Appendix A

Detailed Design Drawings

This page intentionally left blank.

Appendix A1

Smith Pond Rehabilitation

This page intentionally left blank.

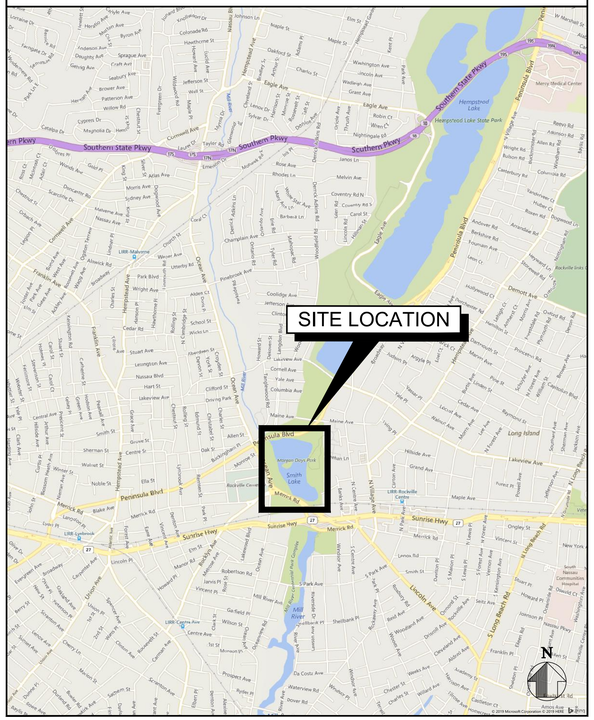
GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) PROGRAM
VILLAGE OF ROCKVILLE CENTRE
BID # XXXXXXXXXXXX
SMITH POND REHABILITATION PROJECT (PROJECT L)

IN THE VILLAGE OF ROCKVILLE CENTRE
LONG ISLAND, NEW YORK

MAYOR
FRANCIS X. MURPHY

BOARD OF TRUSTEES
KATHLEEN BAXLEY, DEPUTY MAYOR
NANCY HOWARD, TRUSTEE
MICHAEL SEPE, TRUSTEE
EMILIO F. GRILLO, TRUSTEE

PROJECT LOCATION PLAN



SCALE: N.T.S.

INDEX OF DRAWINGS

SHEET NO.	DRAWING NO.	DRAWING TITLE
1	G-100	COVER SHEET
2	G-101	GENERAL NOTES AND LEGEND
3	G-102	ESTIMATE OF QUANTITIES
4	G-103	KEY PLAN
5-12	C-101 - C-108	EXISTING CONDITIONS
13-20	C-201 - C-208	REMOVAL PLANS
21-25	C-301 - C-305	SITE PLANS
26-30	C-401 - C-405	GRADING PLANS
31-32	C-501 - C-502	PART PLANS
33-40	C-601 - C-608	SOIL EROSION AND SEDIMENT CONTROL PLANS
41-42	C-701 - C-702	SOIL EROSION AND SEDIMENT CONTROL DETAILS
43-47	CD-101 - CD-105	CONSTRUCTION DETAILS
48	CD-201	FISH LADDER PLAN AND DETAILS
49	CD-301	FLOOD WALL DETAILS
50	CD-401	WEIR IMPROVEMENT DETAILS
51-52	CD-501 - CD-502	BULKHEAD REPLACEMENT PLAN AND DETAILS
53-56	PR-101 - PR-104	FLOOD WALL PROFILE
57	S-001	STRUCTURAL NOTES AND LEGEND
58	S-101	FLOOD GATE FOUNDATION PLANS
59	S-102	FLOOD GATE FOUNDATION DETAILS
60	S-103	STONE HEADWALL RESTORATION
61-68	L-101 - L-108	LANDSCAPING PLANS
69	L-201	LANDSCAPING DETAILS
70	MPT-100	MAINTENANCE AND PROTECTION OF TRAFFIC NOTES AND LEGEND
71-73	MPT-201 - MPT-203	MAINTENANCE AND PROTECTION OF TRAFFIC
74	MPT-301	MAINTENANCE AND PROTECTION OF TRAFFIC DETAIL
75-78	T-101 - T-104	SIGNAGE AND STRIPING PLANS
79-80	T-201 - T-202	SIGNAGE AND STRIPING DETAILS
81	CS-101	CONSTRUCTION STAGING PLAN
82	BL-101	BORING LOCATION PLAN
83-87	BL-102 - BL-106	BORING LOGS
88-91	E-101 - E-104	ELECTRICAL PLANS
92	P-101	PERMIT IMPACT PLAN
93	SP-101	SAMPLING PLAN

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

COVER SHEET

Drawing Number G-100

Sheet 1 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-G100 Cover Sheet.dwg Jul 27, 2020

2. PROPERTY LINE INFORMATION WAS OBTAINED FROM A FINAL PROPERTY BOUNDARY SURVEY CONDUCTED BY LICENSED SURVEYORS GAYRON DE BRUIN LAND SURVEYING AND ENGINEERING IN FEBRUARY 2020.
3. AS INDICATED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" SUFFICIENT CONSTRUCTION WARNING SIGNS ARE TO BE PROVIDED AND MAINTAINED BY CONTRACTORS PERFORMING CONSTRUCTION WORK. SAID SIGNS ARE TO BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETED AND APPROVED BY THE APPROPRIATED VILLAGE INSPECTION PERSONNEL, HEREBY REFERRED TO AS THE ENGINEER.
4. THE CONTRACTOR SHALL PROVIDE SUCH TEMPORARY DRAINAGE, SOIL EROSION, AND DUST CONTROL MEASURES AS MAY BE DIRECTED BY THE ENGINEER OR OTHER AGENCIES OR DEPARTMENTS TO SATISFY ENVIRONMENTAL CONCERNS. ALL SOIL EROSION CONTROL MEASURES MUST BE INSTALLED PRIOR TO THE START OF ANY CONSTRUCTION.
5. LOCATION OF EXISTING INLETS, CATCH BASINS AND MANHOLES MUST BE FIELD VERIFIED BEFORE ANY CONSTRUCTION WORK MAY COMMENCE. ANY CONFLICTING INFORMATION FROM THAT SHOWN SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER.
6. ALL SIGNAGE, STRIPING, PARKING AND TRAFFIC CIRCULATION SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
7. CONTRACTOR SHALL CONTACT NEW YORK ONE CALL FOR A UTILITY MARKING 7-10 DAYS PRIOR TO WORK. ADDITIONALLY, CONTACT ALL UTILITY OPERATORS NOT AFFILIATED WITH ONE CALL IN ORDER TO LOCATE ALL OTHER UTILITIES WITHIN THE PROJECT AREA.
8. THE LOCATION, ELEVATION AND SIZE OF EXISTING UTILITIES SHOWN ON THE CONTRACT DRAWINGS ARE APPROXIMATE. THE FOLLOWING SHALL BE PERFORMED:
   A. VERIFY THE LOCATION OF EXISTING UNDERGROUND UTILITIES WITHIN THE WORK AREA PRIOR TO CONSTRUCTION.
   B. EXERCISE EXTREME CAUTION WHEN WORKING ADJACENT TO EXISTING POWER, COMMUNICATIONS, WATER OR GAS LINES TO PREVENT DAMAGE TO THESE LINES.
   C. IMMEDIATELY REPAIR ANY DAMAGE TO EXISTING UTILITIES IN A MANNER APPROVED BY THE ENGINEER AND AT NO ADDITIONAL COST TO THE VILLAGE.
9. MAINTAIN UTILITIES IN ACTIVE OPERATION AT ALL TIMES. PROVIDE BYPASS PIPING AND PUMPING WHERE REQUIRED. MAKE ALL NEW UTILITY SYSTEMS OPERATIONAL BEFORE ANY EXISTING SYSTEMS ARE ABANDONED OR REMOVED. IF EXISTING UTILITIES ARE TAKEN OUT OF SERVICE FOR CONNECTIONS, THE TIMING SHALL BE AS APPROVED BY THE ENGINEER.
10. PREVENT WATER PONDING RESULTING FROM CONSTRUCTION OPERATIONS. PROMPTLY REMOVE ANY PONDED WATER TO THE SATISFACTION OF THE ENGINEER.
11. MAINTAIN ACCESS AND EGRESS FOR PERSONS, MATERIALS, DELIVERIES AND EQUIPMENT TO ADJACENT PROPERTIES, DRIVEWAYS AND BUILDING ENTRANCES AT ALL TIMES. ENSURE THAT ALL TEMPORARY FACILITIES REQUIRED TO MAINTAIN ACCESS ARE CLEARLY MARKED, SIGNED, SECURED, WELL LIT AND PROTECTED.

PROJECT NOTES:

1. ALL EXCAVATED SOIL SHALL BE REUSED ON SITE, UNLESS OTHERWISE DETAILED HEREIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SOIL STOCKPILING AT A LOCATION AS SHOWN ON THE DRAWINGS AND TO BE APPROVED BY THE ENGINEER. ALL MATERIAL IDENTIFIED FOR OFFSITE DISPOSAL SHALL BE PROPERLY TESTED AND CLASSIFIED FOR DISPOSAL TO A PROPER LICENSED FACILITY THAT IS ACCEPTING OF THE MATERIAL CLASSIFIED. TESTING, CLASSIFICATION AND DISPOSAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. THE CONTRACTOR SHALL CONTROL GROUNDWATER AND SURFACE WATER DURING CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN GROUNDWATER LEVEL AT LEAST 1 FOOT BELOW THE BOTTOM OF EXCAVATION AT ALL TIMES DURING THE CONSTRUCTION AND UNTIL THE SITE IS STABILIZED. IF DEWATERING IS REQUIRED, THE CONTRACTOR SHALL PROVIDE FILTERS NECESSARY TO PREVENT THE ACCUMULATION OF SILT IN THE STORM SEWER SYSTEM. REFER TO NOTE 3 BELOW FOR DEWATERING REQUIREMENTS.
3. IN THE EVENT THAT DEWATERING IS REQUIRED, THE FOLLOWING SHALL APPLY:
   A. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A DEWATERING PLAN FOR APPROVAL MEETING THE MINIMUM REQUIREMENTS SHOWN HERE IN.
   B. DISCHARGE ALL EFFLUENT THROUGH AN APPROVED SEDIMENT FILTRATION SYSTEM TO A LOCATION APPROVED BY THE ENGINEER. EFFLUENT SHALL NOT BE PERMITTED TO BE DISCHARGED THROUGH WETLANDS, PAVEMENT, OR OTHER ADJACENT AREAS.
   C. IF EFFLUENT FROM DEWATERING OPERATIONS EXHIBIT EVIDENCE OF PETROLEUM CONTAMINATION SUCH AS SHEEN, LIQUID-PHASE PRODUCT, ODOR, OR FLOATABLES, THE CONTRACTOR SHALL CEASE DEWATERING OPERATIONS AND PROCEED AS DIRECTED BY THE ENGINEER.
4. DEWATERING IS ANTICIPATED TO ONLY BE REQUIRED AT THE LOCATION OF THE WEIR TO PROVIDE BYPASS OF SURFACE WATER. THE AREA OF THE WEIR, FISH LADDER INSTALLATON, BULKHEAD REPLACMENT AND RECIEVING PAD ENHANCEMENTS SHALL BE DEWATERED TO PROVIDE ADEQUATE DRY CONDITIONS TO PERFORM PROPOSED WORK. NO GROUNDWATER DEWATERING IS ANTICIPATED. ALL DEWATERING SHALL BE DIRECTED THROUGH AN APPROPRIATE SEDIMENT CONTROL FILTER (TANK OR BAG). THE CONTRACTOR SHALL BE LIABLE FOR ALL DEWATERING MEASURES, INCLUDING SIZING OF EQUIPMENT AND PUMPS, TO PROVIDE DRY CONDITIONS TO PERFORM THE PROPOSED WORK. ADDITIONAL DEWATERING LOCATIONS, IF REQUIRED, SHALL RECIEVE APPROVAL BY THE ENGINEER BEFORE PERFORMING.
5. GROUNDWATER WAS FOUND TO BE AS SHALLOW AS 5 FEET BELOW GROUND SURFACE. REFER TO THE GEOTECHNICAL REPORT PROVIDED IN THE TECHNICAL SPECIFICATIONS.
6. ALL SURVEYING IS TO BE FACILITATED BY A LICENSED NEW YORK SURVEYOR.

AND COMPLETENESS OF THIS INFORMATION IS NOT GUARANTEED BY THE ENGINEER. THE CONTRACTOR IS ADVISED TO VERIFY IN THE FIELD ALL THE FACTS CONCERNING THE UTILITY LOCATIONS AND OTHER CONSTRUCTION OBSTACLES PRIOR TO CONSTRUCTION. FURTHER, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING PRIOR TO CONSTRUCTION OF ANY UTILITY CONFLICTS WHICH MAY AFFECT PROJECT DESIGN AND/OR SCOPE.

2. EXISTING STREET SURFACES AND OTHER SURFACES DISTURBED BY THE CONSTRUCTION OF FACILITIES FOR THIS PROJECT SHALL BE RESTORED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND ENGINEER.
3. THE CONTRACTOR SHALL MAINTAIN EXISTING UTILITY SERVICES INDICATED TO REMAIN AND PROTECT THEM AGAINST DAMAGE DURING DEMOLITION OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES SERVING ADJACENT OCCUPIED OR OPERATING FACILITIES. PROVIDE AT LEAST 72 HOURS NOTICE TO VILLAGE IF SHUTDOWN OF SERVICE IS REQUIRED DURING CHANGEOVER.
4. THE FOLLOWING ARE KNOWN TO BE THE UTILITY SUPPLIERS TO THE PROJECT AREA:
   a. ELECTRICITY - PSE&G LONG ISLAND
   b. NATURAL GAS - NATIONAL GRID
   c. SEWER – VILLAGE OF ROCKVILLE CENTRE
   d. WATER – VILLAGE OF ROCKVILLE CENTRE
   e. CABLE – VERIZON

CONSTRUCTION NOISE NOTES:

THE CONTRACTOR SHALL MITIGATE NOISE IMPACTS DURING OPERATIONS BY CONFINING CONSTRUCTION ACTIVITIES TO NORMAL WORKING HOURS AND EMPLOYING NOISE-CONTROLLED CONSTRUCTION EQUIPMENT TO THE EXTENT POSSIBLE. MEASURES TO MITIGATE THESE IMPACTS INCLUDE THE FOLLOWING PROVISIONS:

1. SOURCE CONTROL: ALL CONSTRUCTION EQUIPMENT WILL BE EQUIPPED WITH APPROPRIATE NOISE ATTENUATION DEVICES, SUCH AS MUFFLERS AND ENGINE HOUSINGS. ALL EXHAUST SYSTEMS WILL BE MAINTAINED IN GOOD WORKING ORDER. PROPERLY DESIGNED ENGINE ENCLOSURES AND INTAKE SILENCERS WILL BE EMPLOYED. REGULAR EQUIPMENT MAINTENANCE WILL BE UNDERTAKEN.
2. SITE CONTROL: STATIONARY EQUIPMENT WILL BE PLACED AS FAR AWAY FROM SENSITIVE RECEPTORS AS POSSIBLE. SHIELDING MECHANISMS WILL BE EMPLOYED WHERE POSSIBLE.
3. TIME AND ACTIVITY CONSTRAINTS: OPERATIONS WILL BE SCHEDULED TO COINCIDE WITH PERIODS WHEN PEOPLE WOULD LEAST LIKELY BE AFFECTED. WORK HOURS AND WORKDAYS WILL BE LIMITED TO LESS NOISE-SENSITIVE TIMES.
4. COMMUNITY AWARENESS: PUBLIC NOTIFICATION OF CONSTRUCTION OPERATIONS WILL INCORPORATE NOISE CONSIDERATIONS AND METHODS TO HANDLE COMPLAINTS.

DEMOLITION NOTES – GENERAL:

1. THE CONTRACTOR SHALL REMOVE AND DISPOSE ALL DEMOLITION REMNANTS WITHIN THE PROJECT WORK AREA, UNLESS OTHERWISE NOTED.
2. ALL EXISTING FEATURES INDICATED TO REMAIN SHALL BE PROTECTED DURING DEMOLITION ACTIVITIES. ANY FEATURES OR SURFACES INDICATED TO REMAIN THAT ARE DISTURBED DURING DEMOLITION ACTIVITIES SHALL BE FULLY RESTORED TO MATCH EXISTING CONDITION, UNLESS OTHERWISE DIRECTED.
3. ITEMS INDICATED TO BE SALVAGED FOR REUSE ON THIS CONTRACT SHALL BE REMOVED IN A MANNER TO PROTECT ITEMS. STORAGE AND PROTECTION OF ITEMS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. THE CONTRACTOR SHALL NOT DISTURB AREAS OUTSIDE OF THE PROJECT LIMITS WITHOUT APPROVAL FROM THE ENGINEER.
5. THE CONTRACTOR SHALL REMOVE ALL DEBRIS AND UNFORESEEN SITE FEATURES WHICH ARE IN CONFLICT WITH PROPOSED CONSTRUCTION.
6. REMOVAL OF UPLAND INVASIVE SPECIES SHALL BE PERFORMED IN A METHOD THE MINIMIZES DISTURBANCE TO SURROUNDING AND NATIVE PLANTS TO REMAIN. INVASIVE REMOVAL SHALL BE BY HAND AS MUCH AS POSSIBLE. REMOVAL OF INVASIVE TREE SPECIES IS EXPECTED TO REQUIRE MECHANICAL MACHINERY AND METHODS. ALL METHODS OF REMOVAL SHALL BE SUBMITTED AND APPROVED BY THE ENGINEER PRIOR TO COMMENCEMENT OF OPERATIONS.
7. REMOVAL OF AQUATIC PLANTS SHALL BE BY MECHANICAL METHODS. ACCESS TO THE POND FOR THESE METHODS SHALL BE AS INDICATED ON THE PLANS.
8. LILY PAD REMOVAL AND TREE CLEARING ARE SUBJECT TO TO RESTRICTIONS IDENTIFIED WITHIN THE APPROVED PERMITS.
9. REFER TO SPECIFICATION 313119 - VEGETATION CONTROL FOR DETAILS ON MECHANICAL AQUATIC PLANT REMOVAL AND INVASIVE SPECIES REMOVAL, BY HAND.

SOIL EROSION AND SEDIMENTATION CONTROL PLAN:

1. ALL WORK IS TO BE COMPLETED IN ACCORDANCE WITH NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, LAST UPDATED NOVEMBER 2016.
2. LILY PADS SHALL BE STORED ON THE TEMPORARY VEGETATION STOCK PILE AREA INDICATED ON PLANS. LESS THAN 5% OF DISPOSED MATERIAL SHALL BE SOIL.

SUBMITTALS:

THE CONTRACTOR SHALL SUBMIT THE FOLLOWING DOCUMENTS FOR THE ENGINEER'S REVIEW PRIOR TO CLEARING ACTIVITIES.

1. PROPOSED ENVIRONMENTAL PROTECTION FOR DUST AND NOISE CONTROL MEASURES AS REQUIRED BY LOCAL, STATE AND FEDERAL GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THESE MEASURES.
2. SCHEDULE OF DEMOLITION ACTIVITIES INCLUDING:
   a. DETAILED SEQUENCE DEMOLITION AND REMOVAL WORK, WITH STARTING AND ENDING DATES FOR EACH ACTIVITY;
   b. MAINTENANCE AND PROTECTION OF UTILITY SERVICES TO REMAIN; AND,
   c. LOCATIONS OF TEMPORARY PROTECTION CONTAINERS OR OTHER STORAGE METHODS AND MEANS OF EGRESS FROM THE SITE.
3. PRE-DEMOLITION PHOTOGRAPHS AND/OR VIDEOTAPE WHICH SHOW EXISTING CONDITIONS OF ADJOINING CONSTRUCTION AND SITE IMPROVEMENTS. INCLUDE FINISH SURFACES THAT MIGHT BE MISCONSTRUED AS DAMAGE CAUSED BY DEMOLITION OPERATIONS.
4. LANDFILL RECORDS AND WASTE RECEIPTS TO DOCUMENT ACCEPTANCE OF HAZARDOUS AND NON-HAZARDOUS WASTES BY A LANDFILL FACILITY LICENSED TO ACCEPT DEMOLITION WASTES.
5. NEW WORK, TEMPORARY ENGINEERING, AND SAFETY PROGRAM / SAFE WORK PLAN WITH JOB ANALYSIS BY ACTIVITY IS REQUIRED.

SURVEY NOTES:

1. THE SURVEY WAS PREPARED BY GAYRON DE BRUIN BETWEEN JULY AND AUGUST OF 2019 AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.
2. BOUNDARY SURVEYS WERE PREPARED BY GAYRON DE BRUIN IN JANUARY 2020.
3. HORIZONTAL DATUM IS NAD 83 LONG ISLAND ZONE 3104 ESTABLISHED BY GPS METHOD USING THE NYS RTN NETWORK.
4. VERTICAL DATUM IS NAVD 88, EXPRESSED IN US FEET. ESTABLISHED BY GPS METHOD USING THE NYS RTN NETWORK.
5. TOPOGRAPHIC INFORMATION WAS SUPPLEMENTED WITH USGS DEM LIDAR 1/9 ARC SECOND DATA.

PROPERTY LINE
PROPERTY EASEMENT
PROPERTY ROW
EXISTING GRADES
EDGE OF POND, ORDINARY HIGH WATER LINE
TREE LINE
WETLAND LIMITS
WETLAND APPROX.
100-FOOT WETLAND ADJACENT AREA
FEMA ZONE A 100-YEAR FLOOD BOUNDARY
CHAIN LINK FENCE
STEEL FENCE
CONCRETE CURB
GAS LINE
WATER LINE
POWER POLE
STREET LIGHT
STORMWATER BASIN
GAS VALVE
SIGN
TREE
FULL DEPTH PAVEMENT REMOVAL
CONCRETE PAVEMENT
REMOVAL ASPHALT PATH
CLEAR AND GRUB
MECHANICAL/AQUATIC PLANT REMOVAL
UPLAND INVASIVE SPECIES REMOVAL, BY HAND
GRASS/TOPSOIL REMOVAL
SAWCUT
REMOVE EXISTING FENCE
POROUS PAVEMENT
POROUS PAVEMENT GREENWAY
CONCRETE PAVEMENT
GRAVEL ACCESS ROAD
SPLIT TIMBER RAIL FENCE
STEEL GUIDERAIL
RESET MANHOLE RIM
FLOODWALL
STABILIZED CONSTRUCTION ENTRANCE
LIMIT OF DISTRUBANCE
SILT FENCE
ORANGE CONSTRUCTION FENCE
TURBIDITY BARRIER
HAY BALE
INLET FILTER
COFFER DAM
PUMP
PUMP HOSE
FILTER BAG

LOD
SF SF SF
P
FB

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

GENERAL NOTES
AND LEGEND

Drawing Number G-101

Sheet 2 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-G101 General Notes.dwg Jul 27, 2020

ESTIMATE OF QUANTITIES - BASE BID

ITEM NO.	SPEC NO.	SPECIFICATION SECTION	DESCRIPTION	UNITS	QTY	UNIT COST	TOTAL COST
	DIVISION 01	GENERAL WORK/MOBILIZATION/DEMOBILIZATION/INSURANCE AND BONDING					
1			GENERAL WORK/MOBILIZATION/DEMOBILIZATION	LS	1		
2			BONDS (2%)	LS	1		
3			INSURANCE (5%)	LS	1		
	015000	TEMPORARY FACILITIES AND CONTROLS					
4			TEMPORARY ORANGE CONSTRUCTION FENCE	LF	1320		
5			TURBIDITY BARRIER	LF	45		
6			SILT FENCE	LF	3820		
7			HAY BALES	LF	805		
8			STABILIZED CONSTRUCTION ENTRANCE	EA	3		
9			TEMPORARY TRAFFIC SIGNAGE	EA	12		
10			TRAFFIC DRUMS	EA	29		
	024119	SELECTIVE DEMOLITION					
11			SAWCUT, REMOVAL, AND DISPOSAL OF CONCRETE SIDEWALK, DRIVEWAY APRON, AND CONC	SY	1521		
12			REMOVAL AND DISPOSAL OF WOOD CURB	LF	75		
13			REMOVAL AND DISPOSAL OF TIMBER BULKHEAD	LF	155		
14			REMOVAL AND DISPOSAL OF CONCRETE CURB	LF	236		
15			REMOVAL AND DISPOSAL ASPHALT AND FULL DEPTH PAVEMENT	SY	5717		
16			REMOVAL AND DISPOSAL OF GUIDE RAIL	LF	336		
17			REMOVAL AND DISPOSAL OF CHAIN LINK FENCE	LF	1209		
18			MISCELLANEOUS DEBRIS AND GARBAGE DISPOSAL	ACRE	25.6		
	033000	CAST-IN-PLACE CONCRETE					
19			CONCRETE CLEANING, CHIPPING AND EPOXY GROUT	SY	160		
20			CONCRETE FOOTING FOR LIGHTING BOLLARD	EA	99		
	033000.01	MARINE WORK CONCRETE					
21			REINFORCE MARINE CONCRETE	CY	170		
22			RETROFIT WATERSTOP	LF	25.98		
23			TYPE D WATERSTOP	LF	6.88		
	033000.02	FISH LADDER					
24			WEIR STEP PLATE	EA	9		
	45000	STONE MASONRY RESTORATION AND CLEANING					
25			OUTFALL ENCHANCEMENT	LS	1		
	101400	SIGNAGE					
26			SIGNAGE	EA	7		
27			INTERPRETIVE SIGNAGE	EA	32		
	260543	UNDERGROUND DUCTS AND RACEWAYS FOR ELECTRICAL SYSTEMS					
28			1" SCH 80 PVC CONDUIT	LF	800		
29			2" SCH 80 PVC CONDUIT	LF	5250		
30			2" SCH 80 PVC SECURITY CAMERA CONDUIT	LF	5250		
31			JUNCTION BOXES	EA	112		
	260544	WIRING SYSTEM					
32			#8 AWG COPPER WIRE	LF	22000		
33			#12 AWG COPPER WIRE	LF	2400		
	265600	BOLLARD LIGHTING					
34			LIGHTING BOLLARD	EA	99		
	311000	SITE CLEARING					
35			CLEARING AND GRUBBING	ACRE	0.7		
	312000/315000/321216/321216.01	EARTH MOVING/EXCAVATION SUPPORT AND PROTECTION/ASPHALT PAVING/ASPHALT POROUS PAVING					
36			EXCAVATION, TESTING, AND OFFSITE DISPOSAL OF SEDIMENT - CONTAMINATED	CY	270		
37			EXCAVATION AND REUSE OF EXCESS SOIL TO ACHIEVE SUBGRADE	CY	330		
38			EXCAVATION AND OFF-SITE DISPOSAL - NON-CONTAMINATED	CY	2920		
39			BACKFILL	CY	40		
40			DENSE GRADED ROADWAY AGGREGATE, PLACED AND COMPACTED 8" THICK	SY	610		
41			SUBBASE COURSE, NYSDOT #3 STONE (1-1/2"), 4" THICK	SY	6352		
42			NYSDOT #2 STONE (3/4"), DOUBLE WASH, 8" THICK	SY	1437		
43			NYSDOT #2 STONE (3/4"), DOUBLE WASH, 12" THICK	SY	4696		
44			OPEN GRADED FRICTION COURSE, POROUS PAVEMENT, 1.5" THICK	SY	1437		
45			OPEN GRADED FRICTION COURSE, POROUS PAVEMENT, 3" THICK	SY	4915		
46			PEA GRAVEL, DOUBLE WASH, 3" THICK	SY	6352		
47			AASHTO NO. 57 STONE, DOUBLE WASH, 2" THICK	SY	42		
48			AASHTO NO. 57 STONE, DOUBLE WASH, 4" THICK	SY	1437		
49			AASHTO NO. 57 STONE, DOUBLE WASH, 6" THICK	SY	4663		
50			AASHTO NO. 57 STONE, DOUBLE WASH, 12" THICK	SY	90		
	312319	DEWATERING					
51			DEWATERING	LS	1		
	313119	VEGETATION CONTROL					
52			INVASIVE VEGETATION REMOVAL (HAND)	ACRE	15.9		
53			HERBICIDE APPLICATION	ACRE	15.9		
54			AQUATIC SPECIES REMOVAL (MECHANICAL)	ACRE	5.75		
	316219/352219	TIMBER PILES/HYDRAULIC HEAD GATES					
55			35' FLOODGATE	EA	1		
	099713/316216	COATING OF STEEL H-PILE/STEEL H-PILES					
56			STEEL PILES, HP12x74 @ 20' DEEP	LF	360		
	316223.01	VINYL SHEET PILING FLOODWALL SYSTEM					
57			VINYL SHEET PILE WALL	LF	1960		
	321313/321373	CONCRETE PAVING/CONCRETE PAVING JOINT SEALANTS					
58			CONCRETE CURBS	LF	542		
59			JOINT FILLER SEALANT	LF	25.98		
	321723	PAVEMENT MARKINGS					
60			STRIPING	LS	1		
	323113	FENCES AND GATES					
61			TIMBER SPLIT RAIL FENCE (2 RAIL)	LF	136		
62			6' CHAIN LINK FENCE	LF	1065		
	323323	SITE TRASH AND LITTER RECEPTACLES					
63			TRASH RECEPTACLE AND COVER	EA	27		
	323343.13	SITE SEATING					
64			BENCHES	EA	27		
	329200	TURF AND GRASSES					
65			PERMANENT SEED MIX	ACRE	16.3		
66			PERMANENT STABILIZATION SEED MIX (ANNUAL RYE)	ACRE	1		
	329300	PLANTS					
67			TREES, BALLED AND BURLAPPED	EA	48		
68			TREES & SHRUBS, NO. 2 CONTAINER	EA	750		
	330500	COMMON WORK RESULTS FOR UTILITIES					
69			RESET MANHOLES	EA	2		
	347113.26	VEHICLE GUIDE RAILS					
70			W-BEAM GUIDE RAIL	LF	668		
	352133	TRASH RACKS					
71			FISH LADDER COARSE TRASH RACK	EA	1		
72			FISH LADDER STEEL GRATE COVER	SY	62		
73			OUTFALL TRASH RACK	EA	1		
						TOTAL BID PRICE	

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-G101 General Notes.dwg Jul 27, 2020

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

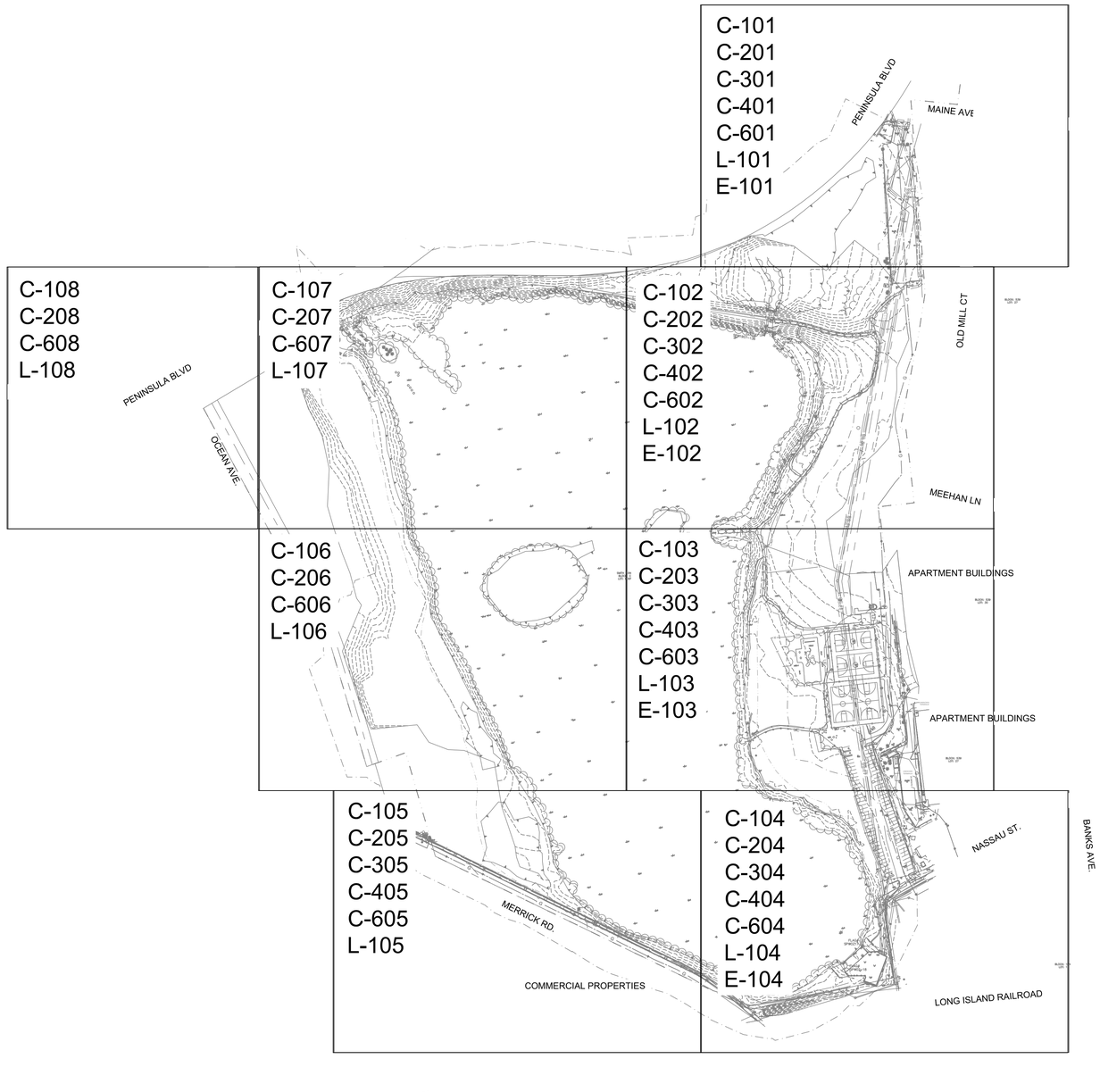
VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

ESTIMATE OF
QUANTITIES

Drawing Number G-102



N

0 150 300

SCALE: 1" = 150'

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

STATE OF NEW YORK · REBECCA DOUGHERTY MAZZOLLA · 100223 · LICENSED PROFESSIONAL ENGINEER

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

KEY PLAN

Drawing Number G-103

Sheet 4 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-G102 Key Plan.dwg Jul 27, 2020

SURFACE EASEMENT GRANTED TO NASSAU COUNTY FOR HIGHWAY OR BOULEVARD PURPOSES
AS SHOWN ON NASSAU COUNTY DEPARTMENT OF PUBLIC WORKS MAP SHOWING EXCHANGE OF LANDS WITH LONG ISLAND STATE PARK COMMISSION AT HEMPSTEAD LAKE STATE PARK, FILE #1187-1
ACCEPTED BY RESOLUTION NO. 221 DATED MARCH 26, 1956

PENINSULA BLVD

MAINE AVE

EX CATCH BASIN
GRATE= 12.58
18" RCP INV= 9.0 (N)

EX SD MH
RIM= 13.80
48" RCP INV= 6.4 (NE)
48" RCP INV= 6.4 (SE)

CONC. CURB

VEGETATION

RECORD SS MH
42" RCP RECORD INV= -1.5 (NW)
42" RCP RECORD INV=-1.5 (SW)

LIMIT OF SURVEY BY GAYRON DE BRUIN

CONC. SIDEWALK

EX SD MH
RIM=11.09
48" RCP INV= 5.0 (NE)
48" RCP INV= 5.0 (SE)

WETLAND LIMIT

100-FOOT WETLAND ADJACENT AREA

LIMIT OF SURVEY BY GAYRON DE BRUIN

GRASS

4' CHAIN LINK

MATCH LINE, SEE DRAWING C-102

0 30 60
SCALE: 1" = 30'

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

EXISTING
CONDITIONS
(1 OF 8)

Drawing Number C-101

Sheet 5 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C101 Existing Conditions.dwg Jul 27, 2020

MATCH LINE, SEE DRAWING C-101

MATCH LINE, SEE DRAWING C-107

WETLAND LIMIT

APPROXIMATE LOCATION OF 6' CHAIN LINK FENCE

VEGETATION

5'X11' BOX CULVERT INLET TO SMITH POND

FLAG# SPW1907-136

FLAG# SPW02-134

FLAG# SPW02-135

FLAG# SPW02-2.4

EX OUTFALL
132" RCP INV = 2.2± (N)

SMITH POND

EDGE OF POND, ORDINARY HIGH WATER LINE

WETLAND LIMIT

FEMA ZONE A 100-YEAR FLOOD LIMIT

6' CHAIN LINK FENCE

EX SS MH
RIM= 14.05
42" RCP INV= -2.4 (NE)
42" RCP INV= -2.4 (SW)

EX SD MH
RIM= 15.83
48" RCP INV= 4.65 (NE)
48" RCP INV= 4.4 (SW)

RECORD SS MH
42" RCP RECORD INV= -2.6 (NE)
42" RCP RECORD INV= -2.6 (SW)

100-FOOT WETLAND ADJACENT AREA

ASPHALT

GRASS

GAS

FENCE

OLD MILL CT

MEEHAN LN

LIMIT OF SURVEY BY GARRISON DE BRUIN

MATCH LINE, SEE DRAWING C-103

N

0 30 60

SCALE: 1" = 30'

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

STATE OF NEW YORK
REBECCA DOUGHERTY MAZZOLLA
100223
LICENSED PROFESSIONAL ENGINEER

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

EXISTING CONDITIONS
(2 OF 8)

Drawing Number C-102

Sheet 6 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C101 Existing Conditions.dwg Jul 27, 2020

MATCH LINE, SEE DRAWING C-102

MATCH LINE, SEE DRAWING C-106

MATCH LINE, SEE DRAWING C-105

MATCH LINE, SEE DRAWING C-104

VEGETATION

EXISTING OBSERVATION AREA

WETLAND LIMIT

SMITH POND ISLAND

POND
C
OOF

WETLAND LIMIT

EDGE OF POND, ORDINARY HIGH WATER LINE

VEGETATION

100-FOOT WETLAND ADJACENT AREA

EXISTING OBSERVATION DECK

FEMA ZONE A 100-YEAR FLOOD LIMIT

VEGETATION

RECORD SS MH
42" RCP RECORD INV= -3.1 (NE)
42" RCP RECORD INV= -3.1 (SE)

RECORD SS MH
42" RCP RECORD INV= -3.7 (NW)
42" RCP RECORD INV= -3.7 (SE)

6' CHAIN LINK FENCE

12' CHAIN LINK FENCE

4' WOOD FENCE

RAISED PLAQUE

BENCH
CONC

FLAG

SEWER EASEMENT AS SHOWN ON NASSAU COUNTY DEPARTMENT OF PUBLIC WORKS MAP SHOWING PERMANENT EASEMENT TO BE ACQUIRED FROM THE LONG ISLAND STATE PARK COMMISSION FOR SANITARY SEWER AND DRAINAGE PURPOSES; FILE NO. 699-7, APPROVED DECEMBER, 1948

DRAINAGE EASEMENT AS SHOWN ON NASSAU COUNTY DEPARTMENT OF PUBLIC WORKS MAP SHOWING PERMANENT EASEMENT TO BE ACQUIRED FOR THE RELIEF OF DRAINAGE OF NORTH VILLAGE AVENUE FROM LAKEVIEW AVENUE SOUTHERLY TO NASSAU STREET; FILE NO. 8188, FILED NOVEMBER 4, 1968

APARTMENT BUILDINGS

BLOCK: 539
LOT: 30

LIMIT OF SURVEY BY GAYRON DE BRUIN

EX CATCH BASIN
GRATE= 12.01
12" CPP INV= 9.1 (S)
10" CPP INV= 8.8 (E)

UNKNOWN TERMINUS

APARTMENT BUILDINGS

EX SS MH
RIM= 12.30
8" PLASTIC INV= 4.3 (N)
10" PLASTIC INV= 4.3 (S)

EX CATCH BASIN
GRATE= 11.98
12" CPP INV= 9.2 (W)
12" CPP INV= 9.2 (N)

EX CATCH BASIN
GRATE= 12.08
12" CPP INV= 9.2 (E)
12" CPP INV= 9.2 (S)

BLOCK: 539
LOT: 27
3-STORY BUILDING

4' METAL FENCE ON CONC. WALL

UNKNOWN TERMINUS

CLAUDE ST.

EX CATCH BASIN

SCALE: 1" = 30'

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C101 Existing Conditions.dwg Jul 27, 2020

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

EXISTING
CONDITIONS
(3 OF 8)

Drawing Number C-103

Sheet 7 of 93

MATCH LINE, SEE DRAWING C-103

MATCH LINE, SEE DRAWING C-105

EDGE OF POND, ORDINARY HIGH WATER LINE

SMITH POND

VEGETATION

RECORD SS MH
36" RCP NO RECORD INV (SW)
36" RCP NO RECORD INV (SE)

RECORD SD MH
48" RCP NO RECORD INV (S)
48" RCP NO RECORD INV (NE)

EX CATCH BASIN
GRATE= 8.77
15" RCP INV= 5.0 (NE)

RECORD SS MH
36" RCP NO RECORD INV (NE)
42" RCP RECORD INV= -4.3 (NW)
54" RCP RECORD INV= -5.1 (SE)

FEMA ZONE A
100-YEAR FLOOD LIMIT

EX SD MH
RIM= 8.90
42" RCP INV= 1.8 (NE)
42" RCP INV= 1.7 (SW)

SMITH POND WEIR

FLAG# SPW0Z17

EDGE OF POND, ORDINARY HIGH WATER LINE

WETLAND LIMIT

EX SS MH
RIM= 9.11
24" RCP INV= -2.3 (W)
24" RCP INV= -2.3 (NE)

EX.CATCH BASIN
GRATE= 8.14
18" RCP INV= 3.9 (NW)

CONC OVERHANG RAMP

OVERPASS

ABOVE GROUND RAIL ROAD LIMITS

LONG ISLAND RAIL ROAD R.O.W.
AS PER VALUATION MAP-V1 44 (RIGHT OF WAY AND TRACK MAP)
DATED JUNE 30, 1916

GRATE= 11.64
12" CPP INV= 8.6 (N)

EX CATCH BASIN
GRATE= 11.45
8" CPP INV= 9.1 (NW)

EX CATCH BASIN
GRATE= 12.10
8" CPP INV= 9.7 (N)

EX SS MH
RIM= 12.12
10" PLASTIC INV= 3.3 (E)
19" PLASTIC INV= 5.9 (N)

EX SS MH
RIM= 12.02
8" UNKNOWN INV= 5.8 (SE)
8" UNKNOWN INV= 5.8(N)

6' METAL FENCE

EX CATCH BASIN
GRATE= 8.77
8" CPP INV= 7.4 (NE)

CONC PAD

8" WATER MAIN

30" GAS MAIN

1-STORY BUILDING

LIMIT OF SURVEY BY GAYRON DE BRUIN

CONC PLATFORM

GRASS

CONC CURB

NASSAU ST.

EX SS MH
RIM= 9.46
24" RCP INV= -2.4 (E)
24" RCP INV= -0.3 (W)

EX SD MH
RIM= 9.25
PARTIALLY FULL OF WATER

EX CATCH BASIN
GRATE= 8.67
18" RCP INV= INACCESSIBLE
12" RCP INV= 5.5 (SE)

EX SS MH
RIM= 9.21
30" RCP INV= -3.1 (N)
30" RCP INV= -2.9 (E)
30" RCP INV= -2.9 (S)

EX SD MH
RIM=9.26
18" RCP INV= 4.3 (SW)
42" RCP INV= 1.3 (NE)
48" RCP INV= 1.3 (SW)
18" RCP INV= 4.7 (E)

ASPHALT

EXISTING 36" & (2) 48" CULVERTS

100-FOOT WETLAND ADJACENT AREA

CONCRETE PAD

RET. WALL

6' CHAIN LINK FENCE

DIRT PATH

12" SS SEWER LINE FROM RECORD

(2) EXISTING 5'X12' BOX CULVERTS

EX SS MH
RIM= 10.53
21" RCC RECORD INV= -5.0 (SW)
54" UNK INV= -5.4 (N)
54" UNK INV= -5.4 (S)

LONG ISLAND RAILROAD

REC SS MH
12" AC RECORD INV= -2.4 (NW)
RECORD INV= -2.4 (SE)
12" ACP RECORD INV= -2.4 (NW)
21" RCC RECORD INV= -2.4 (NE)

BLOCK: 15
LOT: 1

N

0 30 60
SCALE: 1" = 30'

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C101 Existing Conditions.dwg Jul 27, 2020

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

WSP

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

STATE OF NEW YORK
REBECCA DOUGHERTY MAZZOLLA
100223
LICENSED PROFESSIONAL ENGINEER

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

Village of Rockville Centre
Incorporated
1893
New York

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

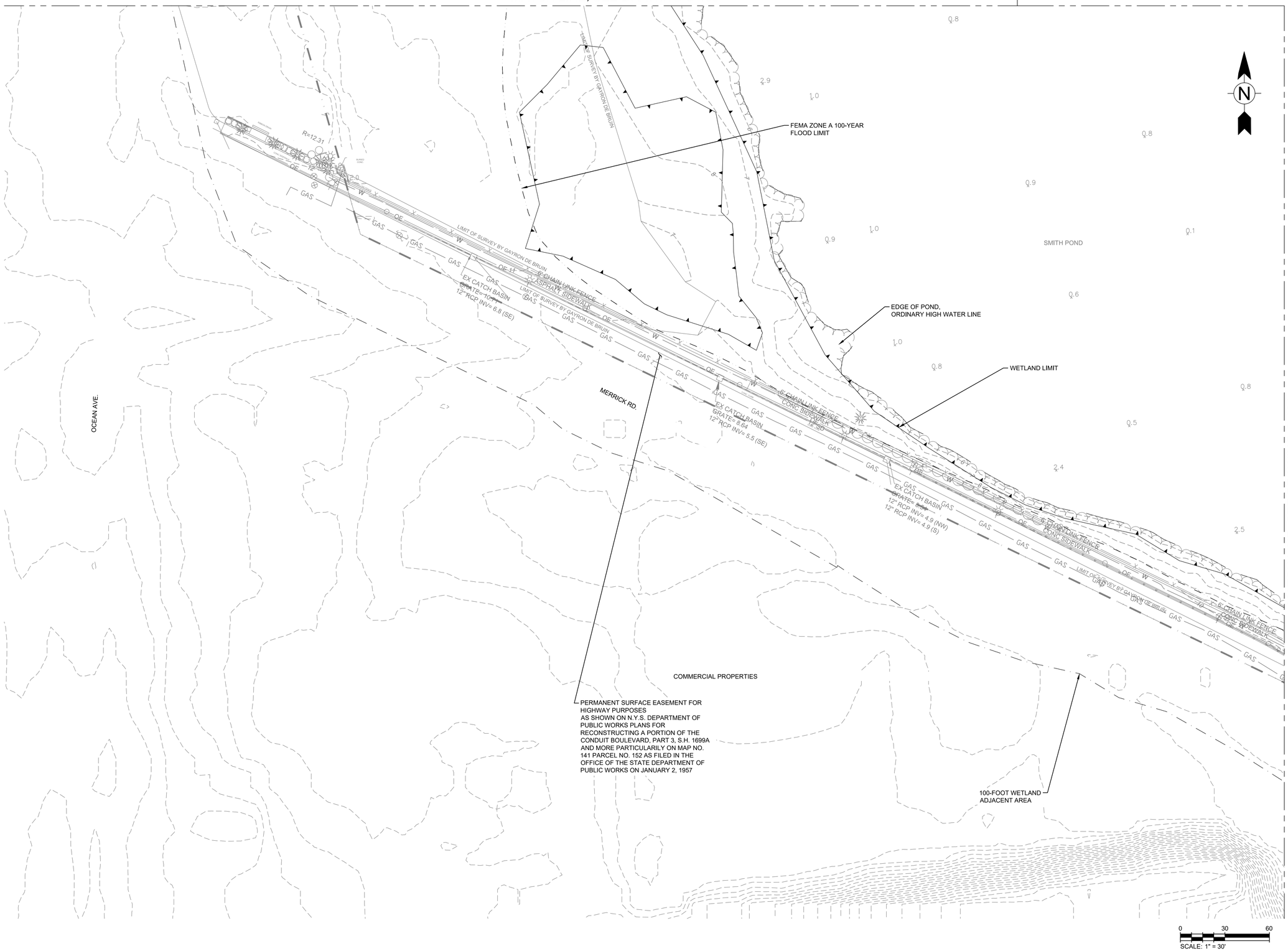
Drawing Title

EXISTING
CONDITIONS
(4 OF 8)

Drawing Number C-104

Sheet 8 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C101 Existing Conditions.dwg Jul 27, 2020



FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

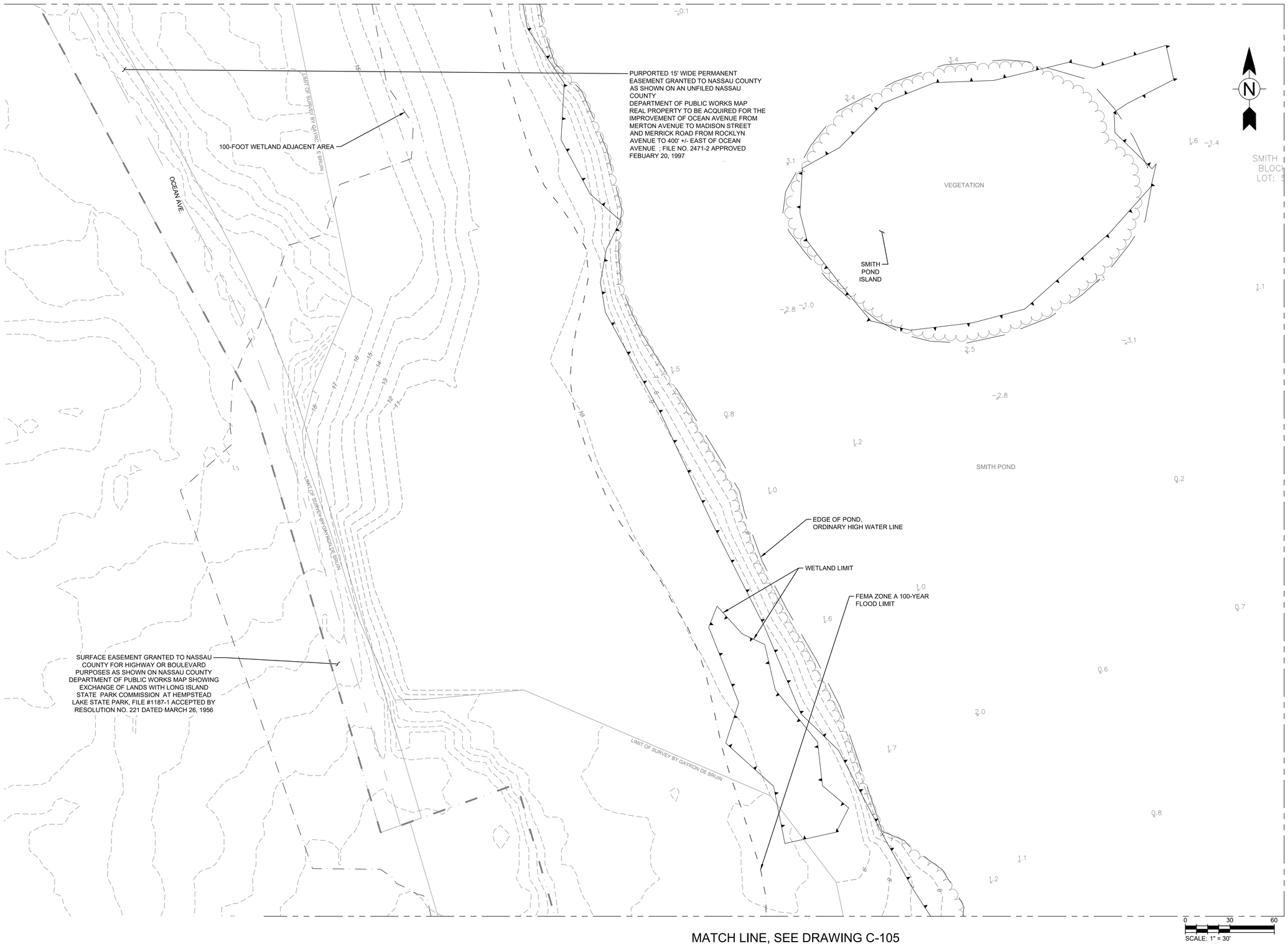
Drawing Title

EXISTING
CONDITIONS
(5 OF 8)

Drawing Number C-105

Sheet 9 of 93

MATCH LINE, SEE DRAWING C-106



MATCH LINE, SEE DRAWING C-103

MATCH LINE, SEE DRAWING C-105

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C101 Existing Conditions.dwg Jul 27, 2020

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

EXISTING
CONDITIONS
(6 OF 8)

Drawing Number C-106

Sheet 10 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C101 Existing Conditions.dwg Jul 27, 2020

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

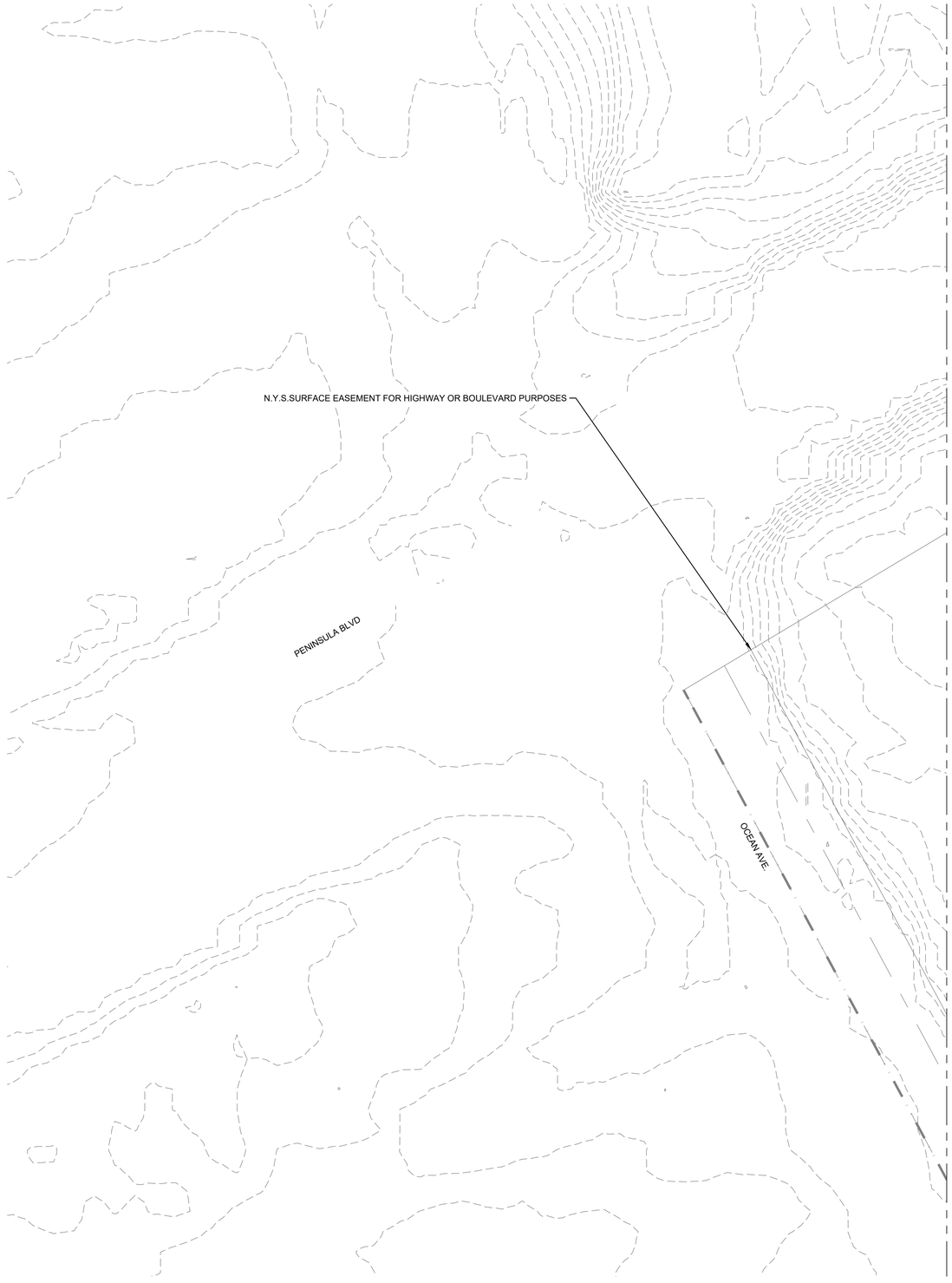
GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

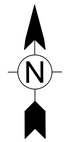
Drawing Title

EXISTING
CONDITIONS
(7 OF 8)

Drawing Number C-107

Sheet 11 of 93





0 30 60
SCALE: 1" = 30'

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

EXISTING
CONDITIONS
(8 OF 8)

Drawing Number C-108

Sheet 12 of 93

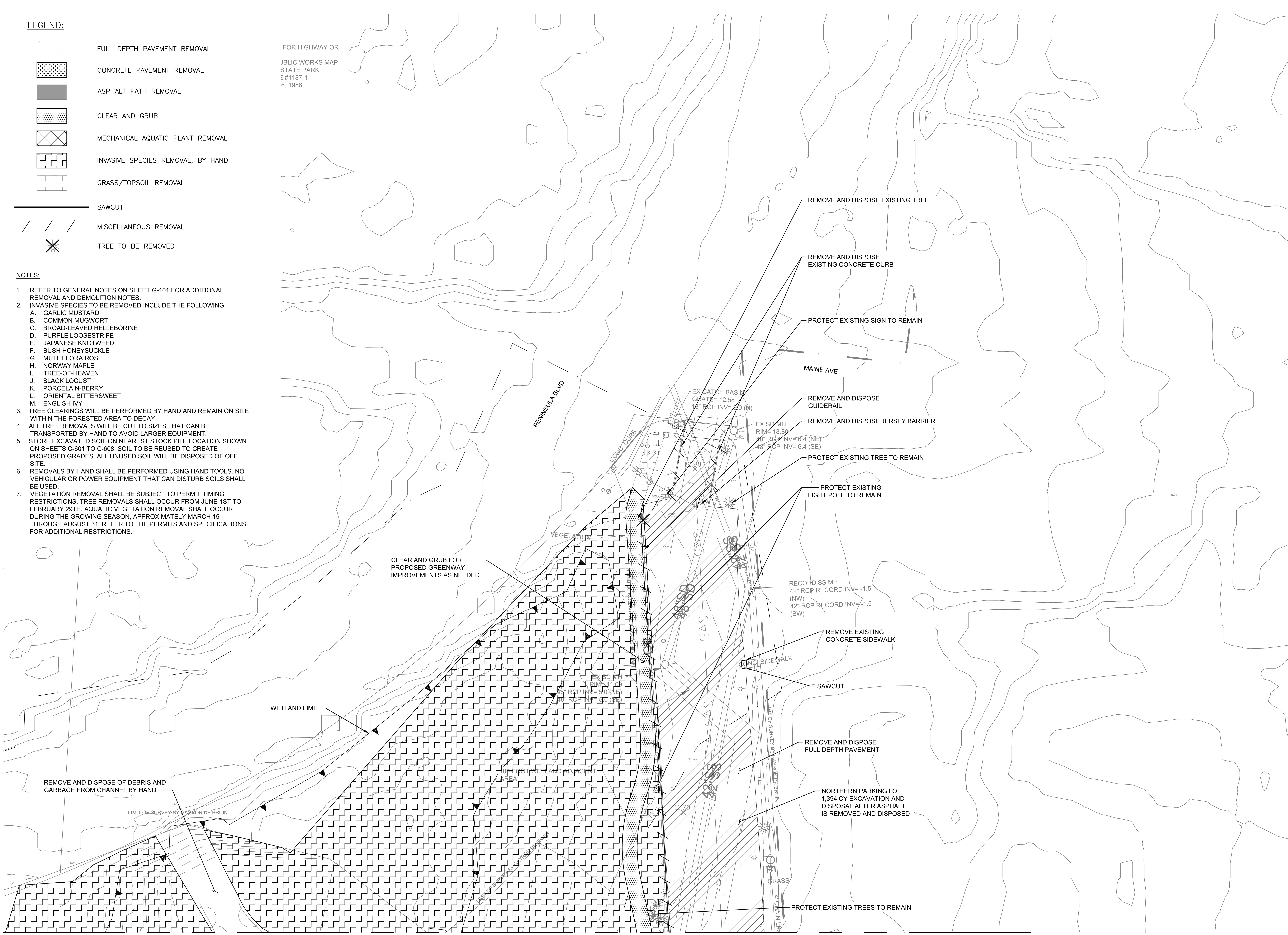
LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C101 Existing Conditions.dwg Jul 27, 2020

LEGEND:

- FULL DEPTH PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL
- ASPHALT PATH REMOVAL
- CLEAR AND GRUB
- MECHANICAL AQUATIC PLANT REMOVAL
- INVASIVE SPECIES REMOVAL, BY HAND
- GRASS/TOPSOIL REMOVAL
- SAWCUT
- MISCELLANEOUS REMOVAL
- TREE TO BE REMOVED

NOTES:

1. REFER TO GENERAL NOTES ON SHEET G-101 FOR ADDITIONAL REMOVAL AND DEMOLITION NOTES.
2. INVASIVE SPECIES TO BE REMOVED INCLUDE THE FOLLOWING:
   A. GARLIC MUSTARD
   B. COMMON MUGWORT
   C. BROAD-LEAVED HELLEBORINE
   D. PURPLE LOOSESTRIFE
   E. JAPANESE KNOTWEED
   F. BUSH HONEYSUCKLE
   G. MUTLIFLORA ROSE
   H. NORWAY MAPLE
   I. TREE-OF-HEAVEN
   J. BLACK LOCUST
   K. PORCELAIN-BERRY
   L. ORIENTAL BITTERSWEET
   M. ENGLISH IVY
3. TREE CLEARINGS WILL BE PERFORMED BY HAND AND REMAIN ON SITE WITHIN THE FORESTED AREA TO DECAY.
4. ALL TREE REMOVALS WILL BE CUT TO SIZES THAT CAN BE TRANSPORTED BY HAND TO AVOID LARGER EQUIPMENT.
5. STORE EXCAVATED SOIL ON NEAREST STOCK PILE LOCATION SHOWN ON SHEETS C-601 TO C-608. SOIL TO BE REUSED TO CREATE PROPOSED GRADES. ALL UNUSED SOIL WILL BE DISPOSED OF OFF SITE.
6. REMOVALS BY HAND SHALL BE PERFORMED USING HAND TOOLS. NO VEHICULAR OR POWER EQUIPMENT THAT CAN DISTURB SOILS SHALL BE USED.
7. VEGETATION REMOVAL SHALL BE SUBJECT TO PERMIT TIMING RESTRICTIONS. TREE REMOVALS SHALL OCCUR FROM JUNE 1ST TO FEBRUARY 29TH. AQUATIC VEGETATION REMOVAL SHALL OCCUR DURING THE GROWING SEASON, APPROXIMATELY MARCH 15 THROUGH AUGUST 31. REFER TO THE PERMITS AND SPECIFICATIONS FOR ADDITIONAL RESTRICTIONS.



MATCH LINE, SEE DRAWING C-202

SCALE: 1" = 30'

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

WSP
412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND REHABILITATION PROJECT (PROJECT L)

VILLAGE OF ROCKVILLE CENTRE, LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

REMOVAL PLANS (1 OF 8)

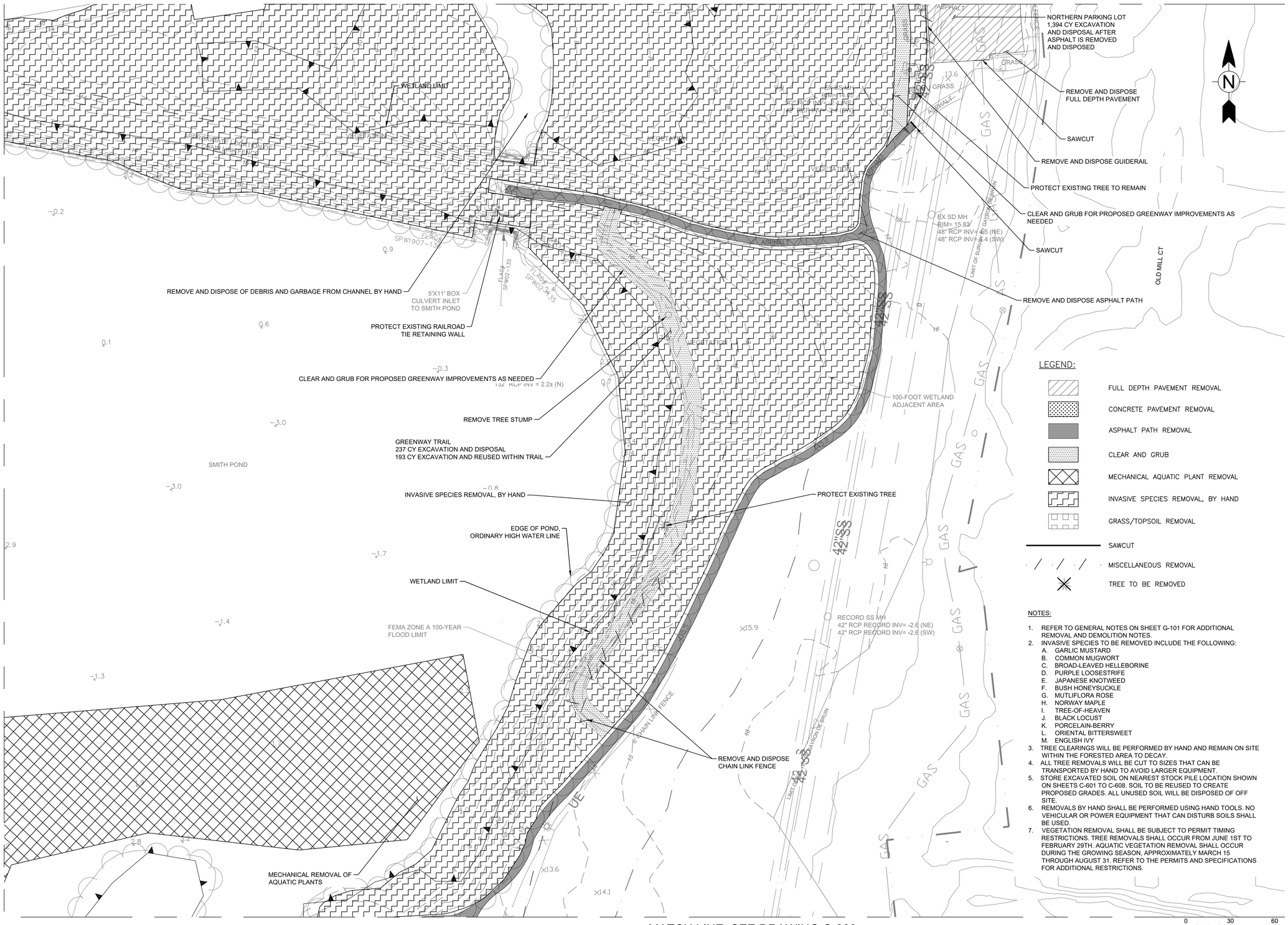
Drawing Number C-201

Sheet 13 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C201 Removal Plan.dwg Jul 27, 2020

MATCH LINE, SEE DRAWING C-201

MATCH LINE, SEE DRAWING C-207



MATCH LINE, SEE DRAWING C-203

NOTES:

1. REFER TO GENERAL NOTES ON SHEET G-101 FOR ADDITIONAL REMOVAL AND DEMOLITION NOTES.
2. INVASIVE SPECIES TO BE REMOVED INCLUDE THE FOLLOWING:
   A. GARLIC MUSTARD
   B. COMMON MUGWORT
   C. BROAD-LEAVED HELLEBORINE
   D. PURPLE LOOSESTRIFE
   E. JAPANESE KNOTWEED
   F. BUSH HONEYSUCKLE
   G. MUTLIFLORA ROSE
   H. NORWAY MAPLE
   I. TREE-OF-HEAVEN
   J. BLACK LOCUST
   K. PORCELAIN-BERRY
   L. ORIENTAL BITTERSWEET
   M. ENGLISH IVY
3. TREE CLEARINGS WILL BE PERFORMED BY HAND AND REMAIN ON SITE WITHIN THE FORESTED AREA TO DECAY.
4. ALL TREE REMOVALS WILL BE CUT TO SIZES THAT CAN BE TRANSPORTED BY HAND TO AVOID LARGER EQUIPMENT.
5. STORE EXCAVATED SOIL ON NEAREST STOCK PILE LOCATION SHOWN ON SHEETS C-601 TO C-608. SOIL TO BE REUSED TO CREATE PROPOSED GRADES. ALL UNUSED SOIL WILL BE DISPOSED OF OFF SITE.
6. REMOVALS BY HAND SHALL BE PERFORMED USING HAND TOOLS. NO VEHICULAR OR POWER EQUIPMENT THAT CAN DISTURB SOILS SHALL BE USED.
7. VEGETATION REMOVAL SHALL BE SUBJECT TO PERMIT TIMING RESTRICTIONS. TREE REMOVALS SHALL OCCUR FROM JUNE 1ST TO FEBRUARY 29TH. AQUATIC VEGETATION REMOVAL SHALL OCCUR DURING THE GROWING SEASON, APPROXIMATELY MARCH 15 THROUGH AUGUST 31. REFER TO THE PERMITS AND SPECIFICATIONS FOR ADDITIONAL RESTRICTIONS.

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

REMOVAL PLANS
(2 OF 8)

Drawing Number C-202

Sheet 14 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C201 Removal Plan.dwg Jul 27, 2020

MATCH LINE, SEE DRAWING C-202

MATCH LINE, SEE DRAWING C-206

MATCH LINE, SEE DRAWING C-205

MATCH LINE, SEE DRAWING C-204

VEGETATION

EXISTING OBSERVATION AREA

SAWCUT

CLEAR AND GRUB FOR PROPOSED GREENWAY IMPROVEMENTS AS NEEDED

WETLAND LIMIT

INVASIVE SPECIES REMOVAL, BY HAND

GREENWAY TRAIL
237 CY EXCAVATION AND DISPOSAL
193 CY EXCAVATION AND REUSED WITHIN TRAIL

TRENCH EXCAVATION FOR UNDERGROUND CONDUITS

SUNKEN POND ISLAND

SEWER EASEMENT AS SHOWN ON NASSAU COUNTY DEPARTMENT OF PUBLIC WORKS MAP SHOWING PERMANENT EASEMENT TO BE ACQUIRED FROM THE LONG ISLAND STATE PARK COMMISSION FOR SANITARY SEWER AND DRAINAGE PURPOSES; FILE NO. 699-7, APPROVED DECEMBER, 1948

APARTMENT BUILDINGS

RECORD SS MH
42" RCP RECORD INV= -3.1 (NE)
42" RCP RECORD INV= -3.1 (SE)

LIMIT OF SURVEY BY GANNON DE BRUIN

6' CHAIN LINK FENCE

FLAG

WETLAND LIMIT

EDGE OF POND, ORDINARY HIGH WATER LINE

MECHANICAL REMOVAL OF AQUATIC PLANTS

EXISTING OBSERVATION DECK

LOOKOUT WETLAND AREA

BENCH

RAISED PLAQUE

EXISTING SIGNS TO REMAIN

INVASIVE SPECIES REMOVAL, BY HAND

REMOVE AND DISPOSE WOOD CURB

REMOVE GUIDERAIL

PROTECT EXISTING LIGHT POLE

RIM= 12.30
8" PLASTIC INV= 4.3 (N)
10" PLASTIC INV= 4.3 (S)

12" CPP INV= 9.2 (W)
12" CPP INV= 9.2 (N)

EX CATCH BASIN
GRATE= 12.08
12" CPP INV= 9.2 (E)
12" CPP INV= 9.2 (S)

3-STORY BUILDING
BLOCK: 539
LOT: 27

SOUTHERN PARKING LOT
1,289 CY EXCAVATION AND DISPOSAL AFTER ASPHALT IS REMOVED AND DISPOSED
137 CY EXCAVATED AND REUSED WITHIN ACCESS ROAD

REMOVE AND DISPOSE CONCRETE CURB

REMOVE AND DISPOSE FULL DEPTH PAVEMENT

CLEAR AND GRUB

CLAUDE ST

METAL FENCE ON CONC. WALL

LEGEND:

- FULL DEPTH PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL
- ASPHALT PATH REMOVAL
- CLEAR AND GRUB
- MECHANICAL AQUATIC PLANT REMOVAL
- INVASIVE SPECIES REMOVAL, BY HAND
- GRASS/TOPSOIL REMOVAL
- SAWCUT
- MISCELLANEOUS REMOVAL
- TREE TO BE REMOVED

NOTES:

1. REFER TO GENERAL NOTES ON SHEET G-101 FOR ADDITIONAL REMOVAL AND DEMOLITION NOTES.
2. INVASIVE SPECIES TO BE REMOVED INCLUDE THE FOLLOWING:
   A. GARLIC MUSTARD
   B. COMMON MUGWORT
   C. BROAD-LEAVED HELLEBORINE
   D. PURPLE LOOSESTRIFE
   E. JAPANESE KNOTWEED
   F. BUSH HONEYSUCKLE
   G. MUTLIFLORA ROSE
   H. NORWAY MAPLE
   I. TREE-OF-HEAVEN
   J. BLACK LOCUST
   K. PORCELAIN-BERRY
   L. ORIENTAL BITTERSWEET
   M. ENGLISH IVY
3. TREE CLEARINGS WILL BE PERFORMED BY HAND AND REMAIN ON SITE WITHIN THE FORESTED AREA TO DECAY.
4. ALL TREE REMOVALS WILL BE CUT TO SIZES THAT CAN BE TRANSPORTED BY HAND TO AVOID LARGER EQUIPMENT.
5. STORE EXCAVATED SOIL ON NEAREST STOCK PILE LOCATION SHOWN ON SHEETS C-601 TO C-608. SOIL TO BE REUSED TO CREATE PROPOSED GRADES. ALL UNUSED SOIL WILL BE DISPOSED OF OFF SITE.
6. REMOVALS BY HAND SHALL BE PERFORMED USING HAND TOOLS. NO VEHICULAR OR POWER EQUIPMENT THAT CAN DISTURB SOILS SHALL BE USED.
7. VEGETATION REMOVAL SHALL BE SUBJECT TO PERMIT TIMING RESTRICTIONS. TREE REMOVALS SHALL OCCUR FROM JUNE 1ST TO FEBRUARY 29TH. AQUATIC VEGETATION REMOVAL SHALL OCCUR DURING THE GROWING SEASON, APPROXIMATELY MARCH 15 THROUGH AUGUST 31. REFER TO THE PERMITS AND SPECIFICATIONS FOR ADDITIONAL RESTRICTIONS.

SCALE: 1" = 30'

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

REMOVAL PLANS
(3 OF 8)

Drawing Number C-203

Sheet 15 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C201 Removal Plan.dwg Jul 27, 2020

MATCH LINE, SEE DRAWING C-205

MATCH LINE, SEE DRAWING C-203

MECHANICAL REMOVAL OF AQUATIC PLANTS

CLEAR AND GRUB FOR PROPOSED GREENWAY IMPROVEMENTS AND FISH LADDER AS NEEDED

EDGE OF POND, ORDINARY HIGH WATER LINE

REMOVE EXISTING CONCRETE SIDEWALK

SAWCUT

SMITH POND

REMOVE AND DISPOSE CONCRETE CURB

GREENWAY TRAIL
237 CY EXCAVATION AND DISPOSAL
193 CY EXCAVATION AND REUSED WITHIN TRAIL

FEMA ZONE A
100-YEAR FLOOD LIMIT

FISH LADDER
240 CY EXCAVATE AND OFFSITE DISPOSAL WITH TESTING FOR DISPOSAL AT PROPER FACILITY

SMITH POND WEIR

FLAG# SPW0Z17

REMOVE AND DISPOSE CHAINLINK FENCE

REMOVE TIMBER PILES AND BULKHEAD

CLEAR AND GRUB

EDGE OF POND, ORDINARY HIGH WATER LINE

WETLAND LIMIT

FLAG# SPW02-18

EX SS MH
RIM= 9.11
24" RCP INV= -2.3 (W)
24" RCP INV= -2.3 (NE)

EX CATCH BASIN
GRATE= 8.14
18" RCP INV= 3.9 (NW)

ABOVE GROUND RAIL ROAD LIMITS

LONG ISLAND RAIL ROAD R.O.W.
AS PER VALUATION MAP-V1.24 (RIGHT OF WAY AND TRACK MAP) DATED JUNE 30, 1916

EX CATCH BASIN
GRATE= 11.64
12" CPP INV= 8.6 (N)

PROTECT EXISTING FENCE

EX CATCH BASIN
GRATE= 11.45

EX CATCH BASIN
GRATE= 12.10
8" CPP INV= 9.7 (N)

PROTECT EXISTING LIGHT POLES

10" PLASTIC INV= 3.3 (E)
10" PLASTIC INV= 5.9 (N)

EX SS MH
RIM= 12.02

SOUTHERN PARKING LOT
1,289 CY EXCAVATION AND DISPOSAL AFTER ASPHALT IS REMOVED AND DISPOSED
137 CY EXCAVATED AND REUSED WITHIN ACCESS ROAD

REMOVE AND DISPOSE WOOD CURB

PROTECT EXISTING UTILITY POLE

REMOVE AND DISPOSE FULL DEPTH PAVEMENT

EXISTING SIGNS TO REMAIN

RECORD SS MH
36" RCP NO RECORD INV (SW)
36" RCP NO RECORD INV (SE)

RECORD SD MH
48" RCP NO RECORD INV (S)
48" RCP NO RECORD INV (NE)

EX SD MH
RIM= 9.25
PARTIALLY FULL OF WATER

EX SS MH
RIM= 9.46
24" RCP INV= -2.4 (E)
24" RCP INV= -0.3 (W)

EX CATCH BASIN
GRATE= 8.67
18" RCP INV=
INACCESSIBLE
12" RCP INV= 5.5 (SE)

REMOVE AND DISPOSE CONCRETE APRON

EX SS MH
RIM= 9.21
30" RCP INV= 3.1 (N)
30" RCP INV= -2.0 (E)
30" RCP INV= -2.9 (S)

REMOVE AND SALVAGE EXISTING STOP SIGN FOR REINSTALLATION

RECORD SS MH
36" RCP NO RECORD INV (NE)
42" RCP RECORD INV= -4.3 (NW)
54" RCP RECORD INV= -5.1 (SE)

EX SD MH
RIM= 8.90
42" RCP INV= 1.8 (NE)
42" RCP INV= 1.7 (SW)

EX SD MH
RIM= 9.26
18" RCP INV= 4.3 (SW)
42" RCP INV= 1.3 (NE)
48" RCP INV= 1.3 (SW)
18" RCP INV= 4.7 (E)

INVASIVE SPECIES REMOVAL, BY HAND
EXISTING 36" & (2) 48" CULVERTS

REMOVE AND DISPOSE CONCRETE

100-FOOT WETLAND ADJACENT AREA

REMOVE TIMBER PILES AND BULKHEAD

REMOVE DEBRIS AND GARBAGE FROM CULVERT OUTFALL AREA BY HAND

EX SS MH
RIM= 10.53
21" RCC RECORD INV= -5.0 (SW)
54" UNK INV= -5.4 (N)
54" UNK INV= -5.4 (S)

(2) EXISTING 5'X12' BOX CULVERTS

REC SS MH
12" AC = SAWCUT = -2.4 (NW)
12" AC RECORD INV= -2.4 (SE)
12" ACP RECORD INV= -2.4 (NW)
21" RCC RECORD INV= -2.4 (NE)

REMOVE AND DISPOSE OF SCREENS OVER CULVERT OPENINGS

LONG ISLAND RAILROAD

NASSAU ST.

LEGEND:

- FULL DEPTH PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL
- ASPHALT PATH REMOVAL
- CLEAR AND GRUB
- MECHANICAL AQUATIC PLANT REMOVAL
- INVASIVE SPECIES REMOVAL, BY HAND
- GRASS/TOPSOIL REMOVAL
- SAWCUT
- MISCELLANEOUS REMOVAL
- TREE TO BE REMOVED

NOTES:

1. REFER TO GENERAL NOTES ON SHEET G-101 FOR ADDITIONAL REMOVAL AND DEMOLITION NOTES.
2. INVASIVE SPECIES TO BE REMOVED INCLUDE THE FOLLOWING:
   A. GARLIC MUSTARD
   B. COMMON MUGWORT
   C. BROAD-LEAVED HELLEBORINE
   D. PURPLE LOOSESTRIFE
   E. JAPANESE KNOTWEED
   F. BUSH HONEYSUCKLE
   G. MUTLIFLORA ROSE
   H. NORWAY MAPLE
   I. TREE-OF-HEAVEN
   J. BLACK LOCUST
   K. PORCELAIN-BERRY
   L. ORIENTAL BITTERSWEET
   M. ENGLISH IVY
3. TREE CLEARINGS WILL BE PERFORMED BY HAND AND REMAIN ON SITE WITHIN THE FORESTED AREA TO DECAY.
4. ALL TREE REMOVALS WILL BE CUT TO SIZES THAT CAN BE TRANSPORTED BY HAND TO AVOID LARGER EQUIPMENT.
5. STORE EXCAVATED SOIL ON NEAREST STOCK PILE LOCATION SHOWN ON SHEETS C-601 TO C-608. SOIL TO BE REUSED TO CREATE PROPOSED GRADES. ALL UNUSED SOIL WILL BE DISPOSED OF OFF SITE.
6. REMOVALS BY HAND SHALL BE PERFORMED USING HAND TOOLS. NO VEHICULAR OR POWER EQUIPMENT THAT CAN DISTURB SOILS SHALL BE USED.
7. VEGETATION REMOVAL SHALL BE SUBJECT TO PERMIT TIMING RESTRICTIONS. TREE REMOVALS SHALL OCCUR FROM JUNE 1ST TO FEBRUARY 29TH. AQUATIC VEGETATION REMOVAL SHALL OCCUR DURING THE GROWING SEASON, APPROXIMATELY MARCH 15 THROUGH AUGUST 31. REFER TO THE PERMITS AND SPECIFICATIONS FOR ADDITIONAL RESTRICTIONS.

0 30 60
SCALE: 1" = 30'

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

STATE OF NEW YORK
REBECCA DOUGHERTY MAZZOLLA
100223
LICENSED PROFESSIONAL ENGINEER

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

REMOVAL PLANS
(4 OF 8)

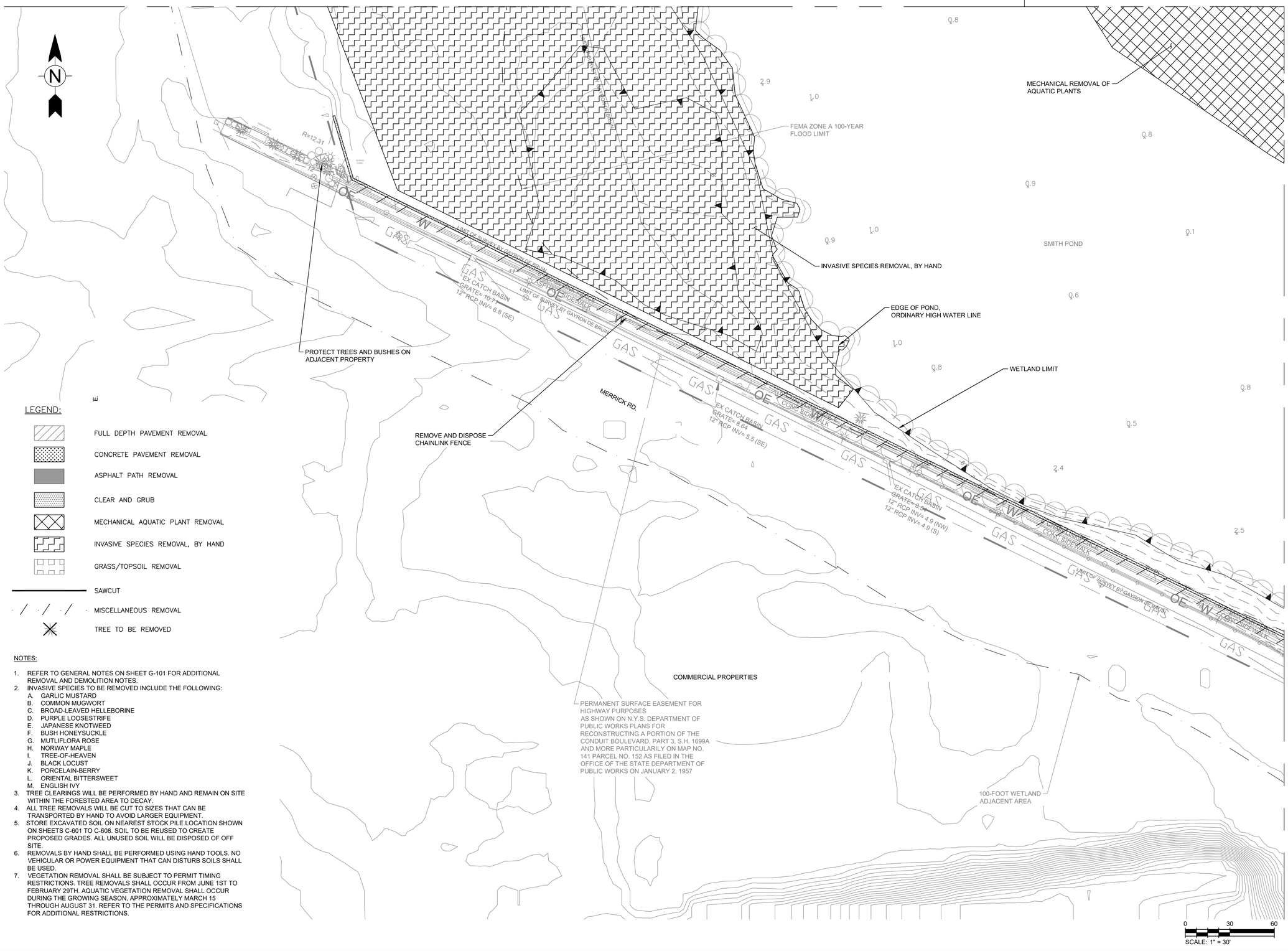
Drawing Number C-204

Sheet 16 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C201 Removal Plan.dwg Jul 27, 2020

MATCH LINE, SEE DRAWING C-206

MATCH LINE, SEE DRAWING C-203



LEGEND:

- FULL DEPTH PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL
- ASPHALT PATH REMOVAL
- CLEAR AND GRUB
- MECHANICAL AQUATIC PLANT REMOVAL
- INVASIVE SPECIES REMOVAL, BY HAND
- GRASS/TOPSOIL REMOVAL
- SAWCUT
- MISCELLANEOUS REMOVAL
- TREE TO BE REMOVED

NOTES:

1. REFER TO GENERAL NOTES ON SHEET G-101 FOR ADDITIONAL REMOVAL AND DEMOLITION NOTES.
2. INVASIVE SPECIES TO BE REMOVED INCLUDE THE FOLLOWING:
   A. GARLIC MUSTARD
   B. COMMON MUGWORT
   C. BROAD-LEAVED HELLEBORINE
   D. PURPLE LOOSESTRIFE
   E. JAPANESE KNOTWEED
   F. BUSH HONEYSUCKLE
   G. MUTLIFLORA ROSE
   H. NORWAY MAPLE
   I. TREE-OF-HEAVEN
   J. BLACK LOCUST
   K. PORCELAIN-BERRY
   L. ORIENTAL BITTERSWEET
   M. ENGLISH IVY
3. TREE CLEARINGS WILL BE PERFORMED BY HAND AND REMAIN ON SITE WITHIN THE FORESTED AREA TO DECAY.
4. ALL TREE REMOVALS WILL BE CUT TO SIZES THAT CAN BE TRANSPORTED BY HAND TO AVOID LARGER EQUIPMENT.
5. STORE EXCAVATED SOIL ON NEAREST STOCK PILE LOCATION SHOWN ON SHEETS C-601 TO C-608. SOIL TO BE REUSED TO CREATE PROPOSED GRADES. ALL UNUSED SOIL WILL BE DISPOSED OF OFF SITE.
6. REMOVALS BY HAND SHALL BE PERFORMED USING HAND TOOLS. NO VEHICULAR OR POWER EQUIPMENT THAT CAN DISTURB SOILS SHALL BE USED.
7. VEGETATION REMOVAL SHALL BE SUBJECT TO PERMIT TIMING RESTRICTIONS. TREE REMOVALS SHALL OCCUR FROM JUNE 1ST TO FEBRUARY 29TH. AQUATIC VEGETATION REMOVAL SHALL OCCUR DURING THE GROWING SEASON, APPROXIMATELY MARCH 15 THROUGH AUGUST 31. REFER TO THE PERMITS AND SPECIFICATIONS FOR ADDITIONAL RESTRICTIONS.

MATCH LINE, SEE DRAWING C-204

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

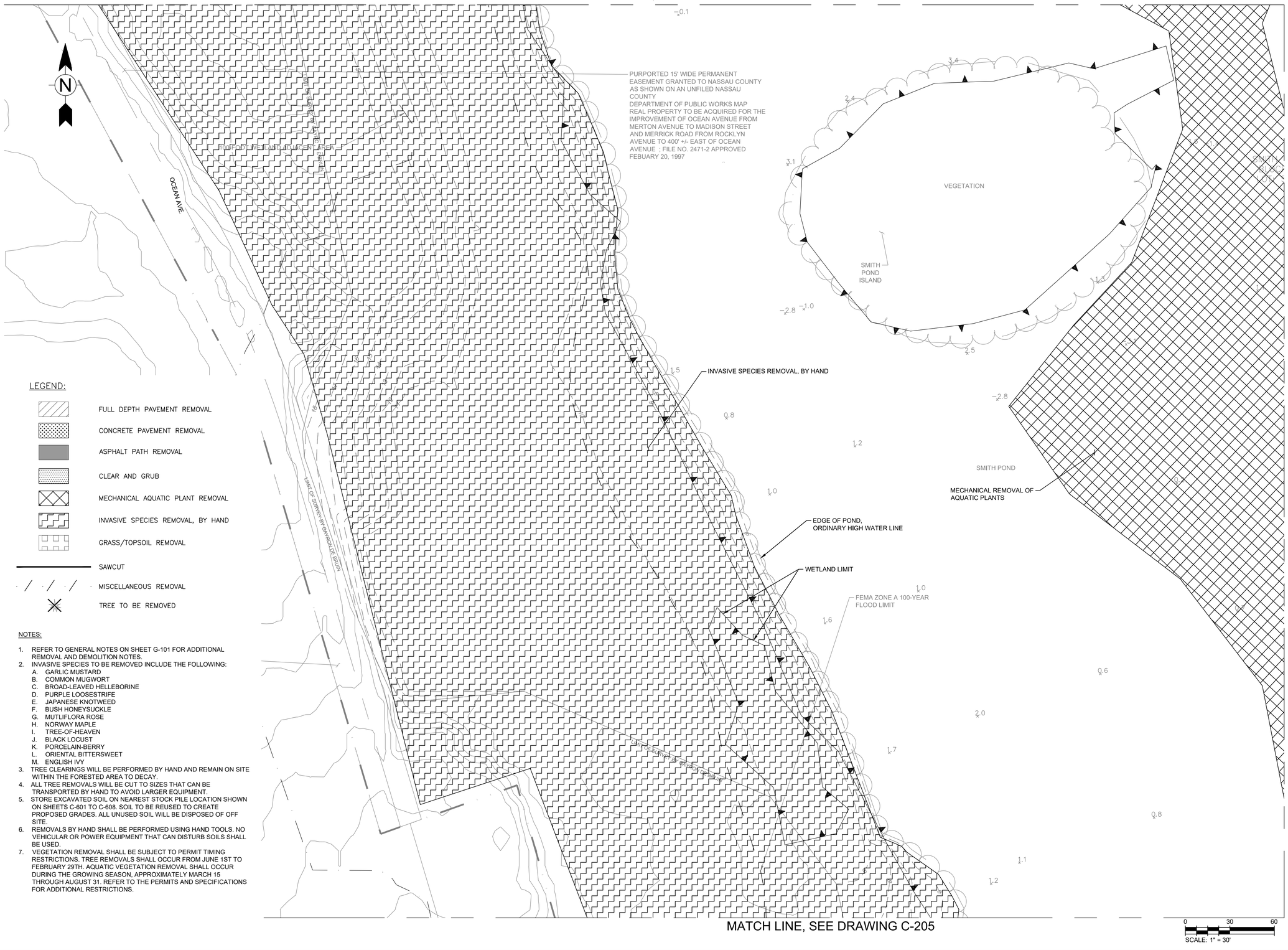
REMOVAL PLANS
(5 OF 8)

Drawing Number C-205

Sheet 17 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C201 Removal Plan.dwg Jul 27, 2020

MATCH LINE, SEE DRAWING C-207



LEGEND:

- FULL DEPTH PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL
- ASPHALT PATH REMOVAL
- CLEAR AND GRUB
- MECHANICAL AQUATIC PLANT REMOVAL
- INVASIVE SPECIES REMOVAL, BY HAND
- GRASS/TOPSOIL REMOVAL
- SAWCUT
- MISCELLANEOUS REMOVAL
- TREE TO BE REMOVED

NOTES:

1. REFER TO GENERAL NOTES ON SHEET G-101 FOR ADDITIONAL REMOVAL AND DEMOLITION NOTES.
2. INVASIVE SPECIES TO BE REMOVED INCLUDE THE FOLLOWING:
   A. GARLIC MUSTARD
   B. COMMON MUGWORT
   C. BROAD-LEAVED HELLEBORINE
   D. PURPLE LOOSESTRIFE
   E. JAPANESE KNOTWEED
   F. BUSH HONEYSUCKLE
   G. MUTLIFLORA ROSE
   H. NORWAY MAPLE
   I. TREE-OF-HEAVEN
   J. BLACK LOCUST
   K. PORCELAIN-BERRY
   L. ORIENTAL BITTERSWEET
   M. ENGLISH IVY
3. TREE CLEARINGS WILL BE PERFORMED BY HAND AND REMAIN ON SITE WITHIN THE FORESTED AREA TO DECAY.
4. ALL TREE REMOVALS WILL BE CUT TO SIZES THAT CAN BE TRANSPORTED BY HAND TO AVOID LARGER EQUIPMENT.
5. STORE EXCAVATED SOIL ON NEAREST STOCK PILE LOCATION SHOWN ON SHEETS C-601 TO C-608. SOIL TO BE REUSED TO CREATE PROPOSED GRADES. ALL UNUSED SOIL WILL BE DISPOSED OF OFF SITE.
6. REMOVALS BY HAND SHALL BE PERFORMED USING HAND TOOLS. NO VEHICULAR OR POWER EQUIPMENT THAT CAN DISTURB SOILS SHALL BE USED.
7. VEGETATION REMOVAL SHALL BE SUBJECT TO PERMIT TIMING RESTRICTIONS. TREE REMOVALS SHALL OCCUR FROM JUNE 1ST TO FEBRUARY 29TH. AQUATIC VEGETATION REMOVAL SHALL OCCUR DURING THE GROWING SEASON, APPROXIMATELY MARCH 15 THROUGH AUGUST 31. REFER TO THE PERMITS AND SPECIFICATIONS FOR ADDITIONAL RESTRICTIONS.

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

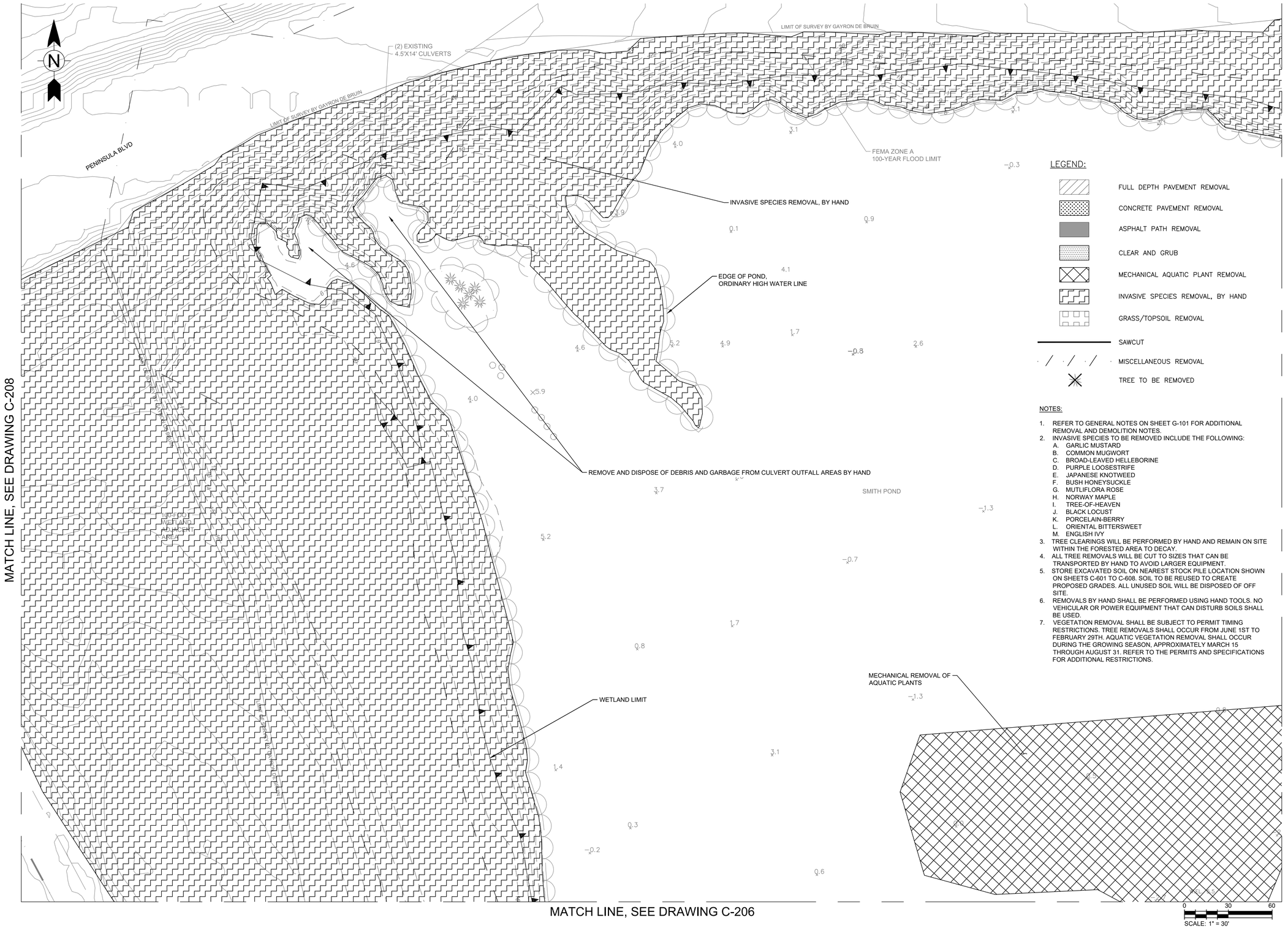
REMOVAL PLANS
(6 OF 8)

Drawing Number C-206

Sheet 18 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C201 Removal Plan.dwg Jul 27, 2020

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C201 Removal Plan.dwg Jul 27, 2020



LEGEND:

- FULL DEPTH PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL
- ASPHALT PATH REMOVAL
- CLEAR AND GRUB
- MECHANICAL AQUATIC PLANT REMOVAL
- INVASIVE SPECIES REMOVAL, BY HAND
- GRASS/TOPSOIL REMOVAL
- SAWCUT
- MISCELLANEOUS REMOVAL
- TREE TO BE REMOVED

NOTES:

1. REFER TO GENERAL NOTES ON SHEET G-101 FOR ADDITIONAL REMOVAL AND DEMOLITION NOTES.
2. INVASIVE SPECIES TO BE REMOVED INCLUDE THE FOLLOWING:
   A. GARLIC MUSTARD
   B. COMMON MUGWORT
   C. BROAD-LEAVED HELLEBORINE
   D. PURPLE LOOSESTRIFE
   E. JAPANESE KNOTWEED
   F. BUSH HONEYSUCKLE
   G. MUTLIFLORA ROSE
   H. NORWAY MAPLE
   I. TREE-OF-HEAVEN
   J. BLACK LOCUST
   K. PORCELAIN-BERRY
   L. ORIENTAL BITTERSWEET
   M. ENGLISH IVY
3. TREE CLEARINGS WILL BE PERFORMED BY HAND AND REMAIN ON SITE WITHIN THE FORESTED AREA TO DECAY.
4. ALL TREE REMOVALS WILL BE CUT TO SIZES THAT CAN BE TRANSPORTED BY HAND TO AVOID LARGER EQUIPMENT.
5. STORE EXCAVATED SOIL ON NEAREST STOCK PILE LOCATION SHOWN ON SHEETS C-601 TO C-608. SOIL TO BE REUSED TO CREATE PROPOSED GRADES. ALL UNUSED SOIL WILL BE DISPOSED OF OFF SITE.
6. REMOVALS BY HAND SHALL BE PERFORMED USING HAND TOOLS. NO VEHICULAR OR POWER EQUIPMENT THAT CAN DISTURB SOILS SHALL BE USED.
7. VEGETATION REMOVAL SHALL BE SUBJECT TO PERMIT TIMING RESTRICTIONS. TREE REMOVALS SHALL OCCUR FROM JUNE 1ST TO FEBRUARY 29TH. AQUATIC VEGETATION REMOVAL SHALL OCCUR DURING THE GROWING SEASON, APPROXIMATELY MARCH 15 THROUGH AUGUST 31. REFER TO THE PERMITS AND SPECIFICATIONS FOR ADDITIONAL RESTRICTIONS.

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

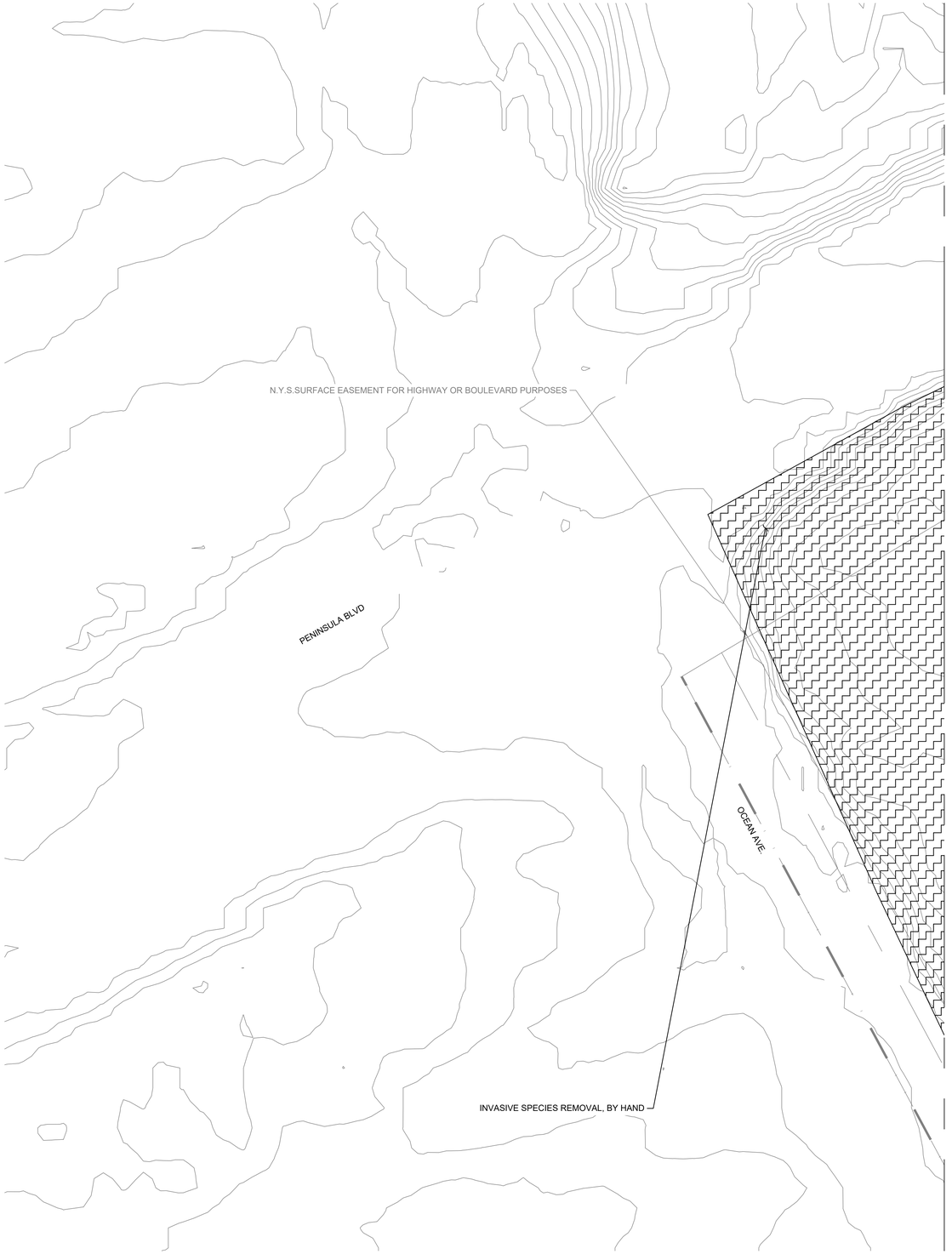
GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

REMOVAL PLANS
(7 OF 8)

Drawing Number C-207

Sheet 19 of 93



N

LEGEND:

- FULL DEPTH PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL
- ASPHALT PATH REMOVAL
- CLEAR AND GRUB
- MECHANICAL AQUATIC PLANT REMOVAL
- INVASIVE SPECIES REMOVAL, BY HAND
- GRASS/TOPSOIL REMOVAL
- SAWCUT
- MISCELLANEOUS REMOVAL
- TREE TO BE REMOVED

NOTES:

1. REFER TO GENERAL NOTES ON SHEET G-101 FOR ADDITIONAL REMOVAL AND DEMOLITION NOTES.
2. INVASIVE SPECIES TO BE REMOVED INCLUDE THE FOLLOWING:
   A. GARLIC MUSTARD
   B. COMMON MUGWORT
   C. BROAD-LEAVED HELLEBORINE
   D. PURPLE LOOSESTRIFE
   E. JAPANESE KNOTWEED
   F. BUSH HONEYSUCKLE
   G. MUTLIFLORA ROSE
   H. NORWAY MAPLE
   I. TREE-OF-HEAVEN
   J. BLACK LOCUST
   K. PORCELAIN-BERRY
   L. ORIENTAL BITTERSWEET
   M. ENGLISH IVY
3. TREE CLEARINGS WILL BE PERFORMED BY HAND AND REMAIN ON SITE WITHIN THE FORESTED AREA TO DECAY.
4. ALL TREE REMOVALS WILL BE CUT TO SIZES THAT CAN BE TRANSPORTED BY HAND TO AVOID LARGER EQUIPMENT.
5. STORE EXCAVATED SOIL ON NEAREST STOCK PILE LOCATION SHOWN ON SHEETS C-601 TO C-608. SOIL TO BE REUSED TO CREATE PROPOSED GRADES. ALL UNUSED SOIL WILL BE DISPOSED OF OFF SITE.
6. REMOVALS BY HAND SHALL BE PERFORMED USING HAND TOOLS. NO VEHICULAR OR POWER EQUIPMENT THAT CAN DISTURB SOILS SHALL BE USED.
7. VEGETATION REMOVAL SHALL BE SUBJECT TO PERMIT TIMING RESTRICTIONS. TREE REMOVALS SHALL OCCUR FROM JUNE 1ST TO FEBRUARY 29TH. AQUATIC VEGETATION REMOVAL SHALL OCCUR DURING THE GROWING SEASON, APPROXIMATELY MARCH 15 THROUGH AUGUST 31. REFER TO THE PERMITS AND SPECIFICATIONS FOR ADDITIONAL RESTRICTIONS.

0 30 60
SCALE: 1" = 30'

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

REMOVAL PLANS
(8 OF 8)

Drawing Number C-208

Sheet 20 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C201 Removal Plan.dwg Jul 27, 2020

LEGEND:

- POROUS PAVEMENT
- POROUS PAVEMENT GREENWAY
- CONCRETE CURB
- STEEL GUIDERAIL
- RESET MANHOLE RIM
- FLOODWALL
- INTERPRETIVE SIGN LOCATION AND ORIENTATION
- BENCH/TRASH RECEPTACLES

"ED TO NASSAU COUNTY FOR HIGHWAY OR

NTY DEPARTMENT OF PUBLIC WORKS MAP
NDS WITH LONG ISLAND STATE PARK
D LAKE STATE PARK, FILE #1187-1
NO. 221 DATED MARCH 26, 1956

CURVE TABLE: GREENWAY

CURVE #	RADIUS	LENGTH	CHORD DIRECTION	START STATION	START EASTING	START NORTHING
C1	30.00'	10.76'	S7° 12' 03"W	0+49.83	1080588.2448	181334.0868
C2	100.00'	37.46'	S6° 54' 29"W	2+04.42	1080596.4968	181179.9570
C3	100.00'	52.36'	S2° 38' 25"W	2+51.41	1080589.1288	181133.9001

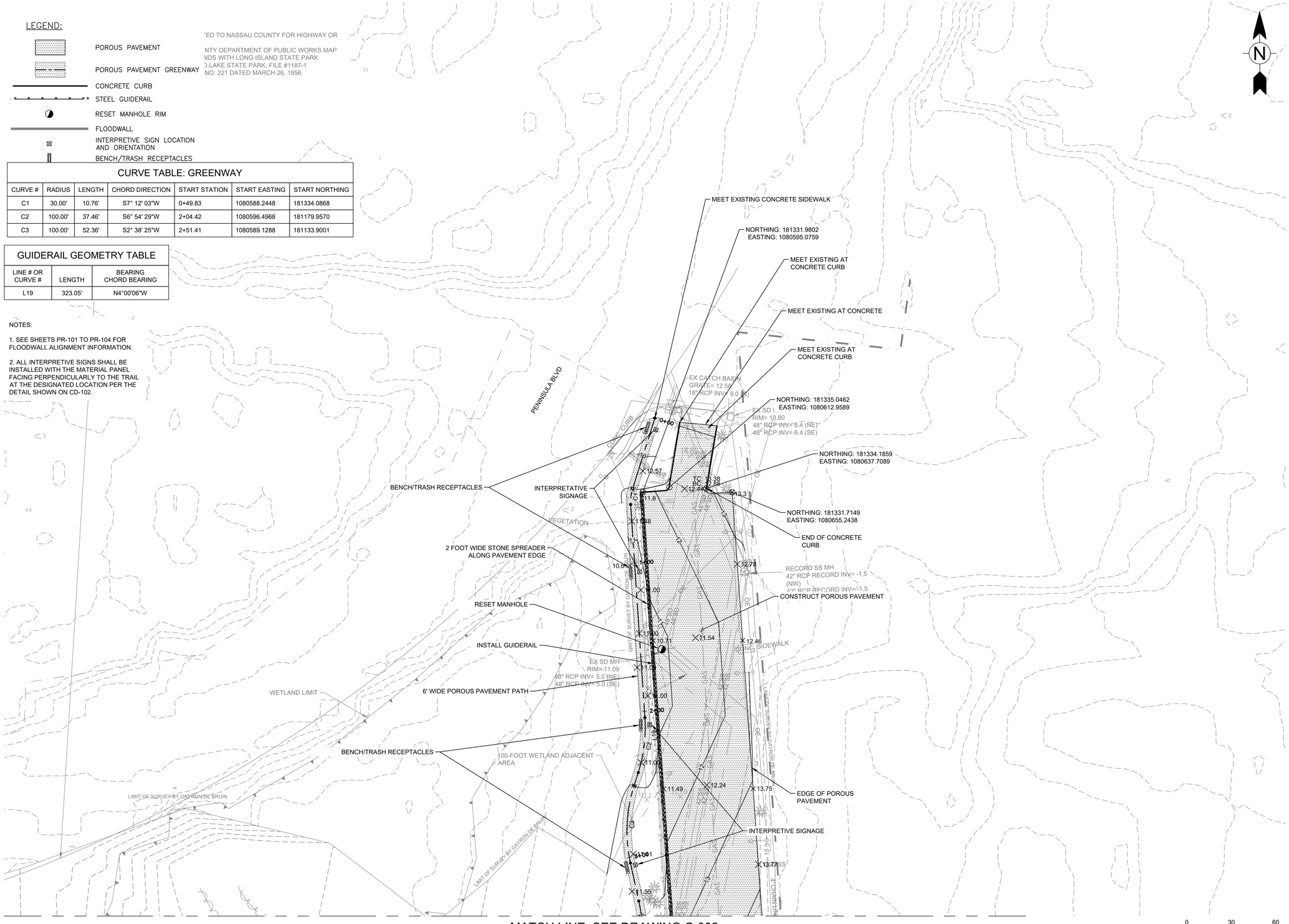
GUIDERAIL GEOMETRY TABLE

LINE # OR CURVE #	LENGTH	BEARING CHORD BEARING
L19	323.05'	N4°00'06"W

NOTES:

1. SEE SHEETS PR-101 TO PR-104 FOR FLOODWALL ALIGNMENT INFORMATION.

2. ALL INTERPRETIVE SIGNS SHALL BE INSTALLED WITH THE MATERIAL PANEL FACING PERPENDICULARLY TO THE TRAIL AT THE DESIGNATED LOCATION PER THE DETAIL SHOWN ON CD-102.



MATCH LINE, SEE DRAWING C-302

0 30 60
SCALE: 1" = 30'

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

STATE OF NEW YORK — REBECCA DOUGHERTY MAZZOLLA — 100223 — LICENSED PROFESSIONAL ENGINEER

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

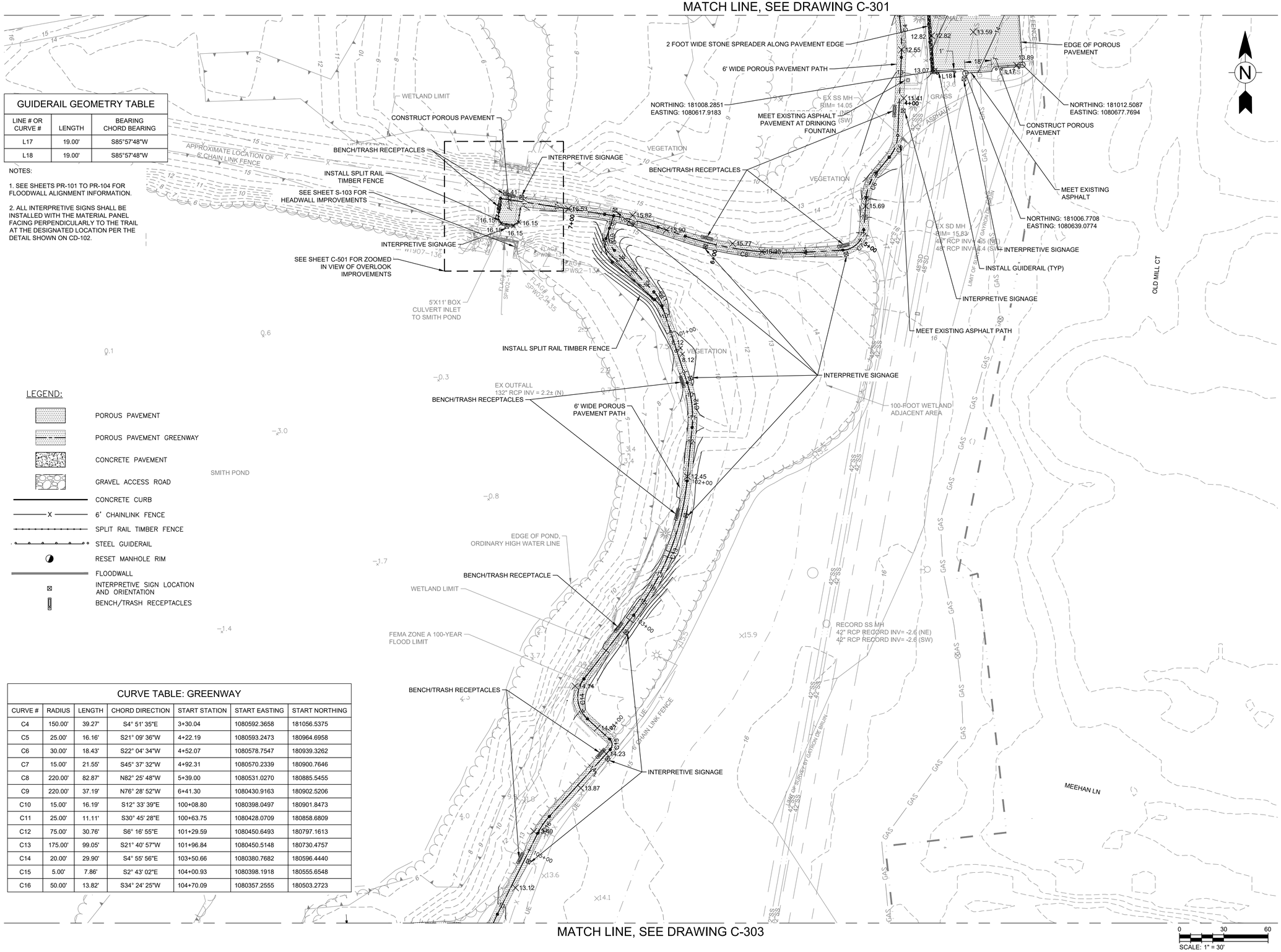
Drawing Title

SITE PLANS
(1 OF 5)

Drawing Number C-301

Sheet 21 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C301 Construction Plan.dwg Jul 27, 2020



GUIDERAIL GEOMETRY TABLE

LINE # OR CURVE #	LENGTH	BEARING CHORD BEARING
L17	19.00'	S85°57'48"W
L18	19.00'	S85°57'48"W

NOTES:

1. SEE SHEETS PR-101 TO PR-104 FOR FLOODWALL ALIGNMENT INFORMATION.

2. ALL INTERPRETIVE SIGNS SHALL BE INSTALLED WITH THE MATERIAL PANEL FACING PERPENDICULARLY TO THE TRAIL AT THE DESIGNATED LOCATION PER THE DETAIL SHOWN ON CD-102.

LEGEND:

- POROUS PAVEMENT
- POROUS PAVEMENT GREENWAY
- CONCRETE PAVEMENT
- GRAVEL ACCESS ROAD
- CONCRETE CURB
- 6' CHAINLINK FENCE
- SPLIT RAIL TIMBER FENCE
- STEEL GUIDERAIL
- RESET MANHOLE RIM
- FLOODWALL
- INTERPRETIVE SIGN LOCATION AND ORIENTATION
- BENCH/TRASH RECEPTACLES

CURVE TABLE: GREENWAY

CURVE #	RADIUS	LENGTH	CHORD DIRECTION	START STATION	START EASTING	START NORTHING
C4	150.00'	39.27'	S4° 51' 35"E	3+30.04	1080592.3658	181056.5375
C5	25.00'	16.16'	S21° 09' 36"W	4+22.19	1080593.2473	180964.6958
C6	30.00'	18.43'	S22° 04' 34"W	4+52.07	1080578.7547	180939.3262
C7	15.00'	21.55'	S45° 37' 32"W	4+92.31	1080570.2339	180900.7646
C8	220.00'	82.87'	N82° 25' 48"W	5+39.00	1080531.0270	180885.5455
C9	220.00'	37.19'	N76° 28' 52"W	6+41.30	1080430.9163	180902.5206
C10	15.00'	16.19'	S12° 33' 39"E	100+08.80	1080398.0497	180901.8473
C11	25.00'	11.11'	S30° 45' 28"E	100+63.75	1080428.0709	180858.6809
C12	75.00'	30.76'	S6° 16' 55"E	101+29.59	1080450.6493	180797.1613
C13	175.00'	99.05'	S21° 40' 57"W	101+96.84	1080450.5148	180730.4757
C14	20.00'	29.90'	S4° 55' 56"E	103+50.66	1080380.7682	180596.4440
C15	5.00'	7.86'	S2° 43' 02"E	104+00.93	1080398.1918	180555.6548
C16	50.00'	13.82'	S34° 24' 25"W	104+70.09	1080357.2555	180503.2723

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

SITE PLANS
(2 OF 5)

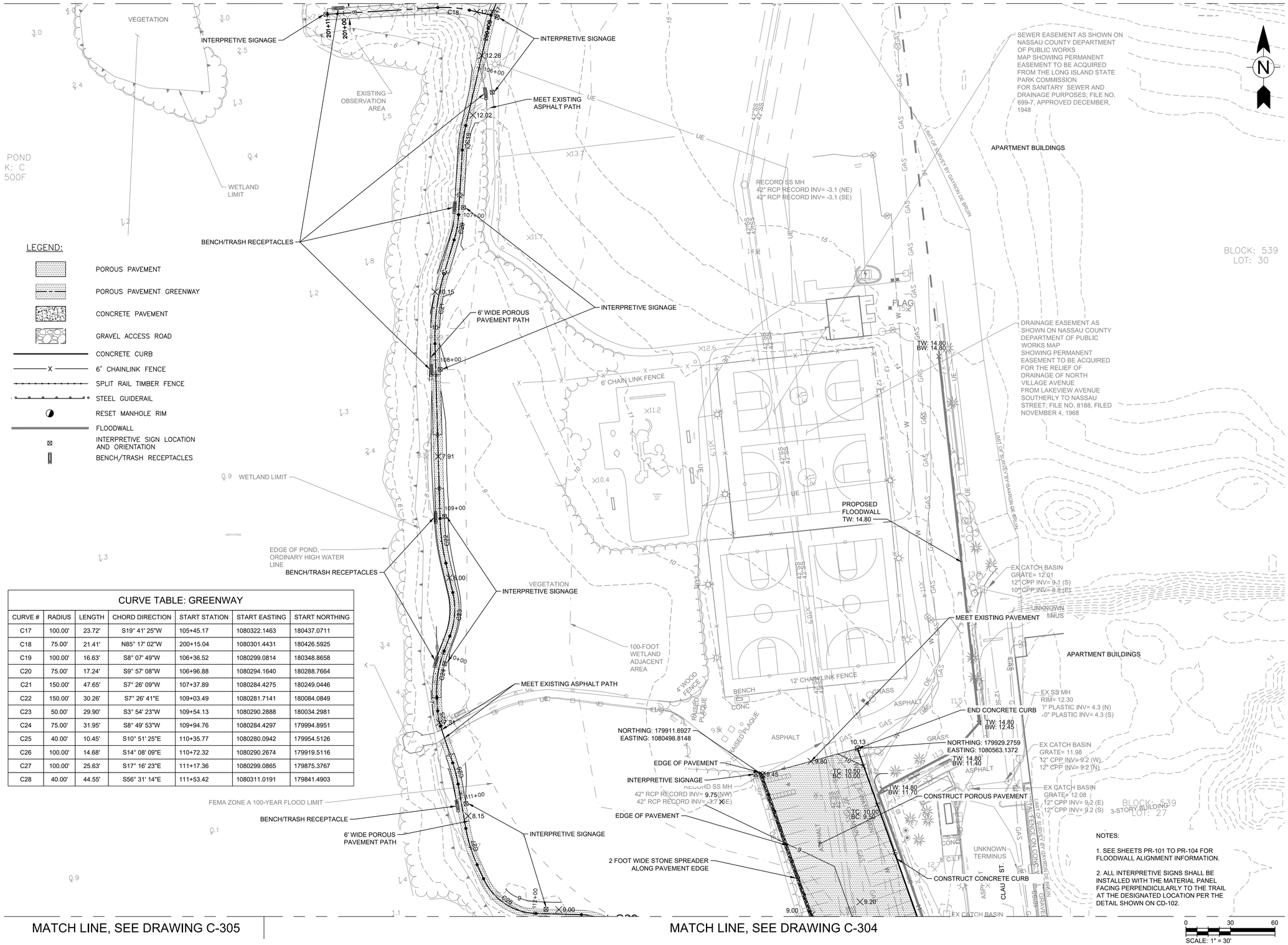
Drawing Number C-302

Sheet 22 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C301 Construction Plan.dwg Jul 27, 2020

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C301 Construction Plan.dwg Jul 27, 2020

MATCH LINE, SEE DRAWING C-302



LEGEND:

- POROUS PAVEMENT
- POROUS PAVEMENT GREENWAY
- CONCRETE PAVEMENT
- GRAVEL ACCESS ROAD
- CONCRETE CURB
- 6' CHAINLINK FENCE
- SPLIT RAIL TIMBER FENCE
- STEEL GUIDERAIL
- RESET MANHOLE RIM
- FLOODWALL
- INTERPRETIVE SIGN LOCATION AND ORIENTATION
- BENCH/TRASH RECEPTACLES

CURVE TABLE: GREENWAY

CURVE #	RADIUS	LENGTH	CHORD DIRECTION	START STATION	START EASTING	START NORTHING
C17	100.00'	23.72'	S19° 41' 25"W	105+45.17	1080322.1463	180437.0711
C18	75.00'	21.41'	N85° 17' 02"W	200+15.04	1080301.4431	180426.5925
C19	100.00'	16.63'	S8° 07' 49"W	106+36.52	1080299.0814	180348.8658
C20	75.00'	17.24'	S9° 57' 08"W	106+96.88	1080294.1640	180288.7664
C21	150.00'	47.65'	S7° 26' 09"W	107+37.89	1080284.4275	180249.0446
C22	150.00'	30.26'	S7° 26' 41"E	109+03.49	1080281.7141	180084.0849
C23	50.00'	29.90'	S3° 54' 23"W	109+54.13	1080290.2888	180034.2981
C24	75.00'	31.95'	S8° 49' 53"W	109+94.76	1080284.4297	179994.8951
C25	40.00'	10.45'	S10° 51' 25"E	110+35.77	1080280.0942	179954.5126
C26	100.00'	14.68'	S14° 08' 09"E	110+72.32	1080290.2674	179919.5116
C27	100.00'	25.63'	S17° 16' 23"E	111+17.36	1080299.0865	179875.3767
C28	40.00'	44.55'	S56° 31' 14"E	111+53.42	1080311.0191	179841.4903

MATCH LINE, SEE DRAWING C-305

MATCH LINE, SEE DRAWING C-304

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

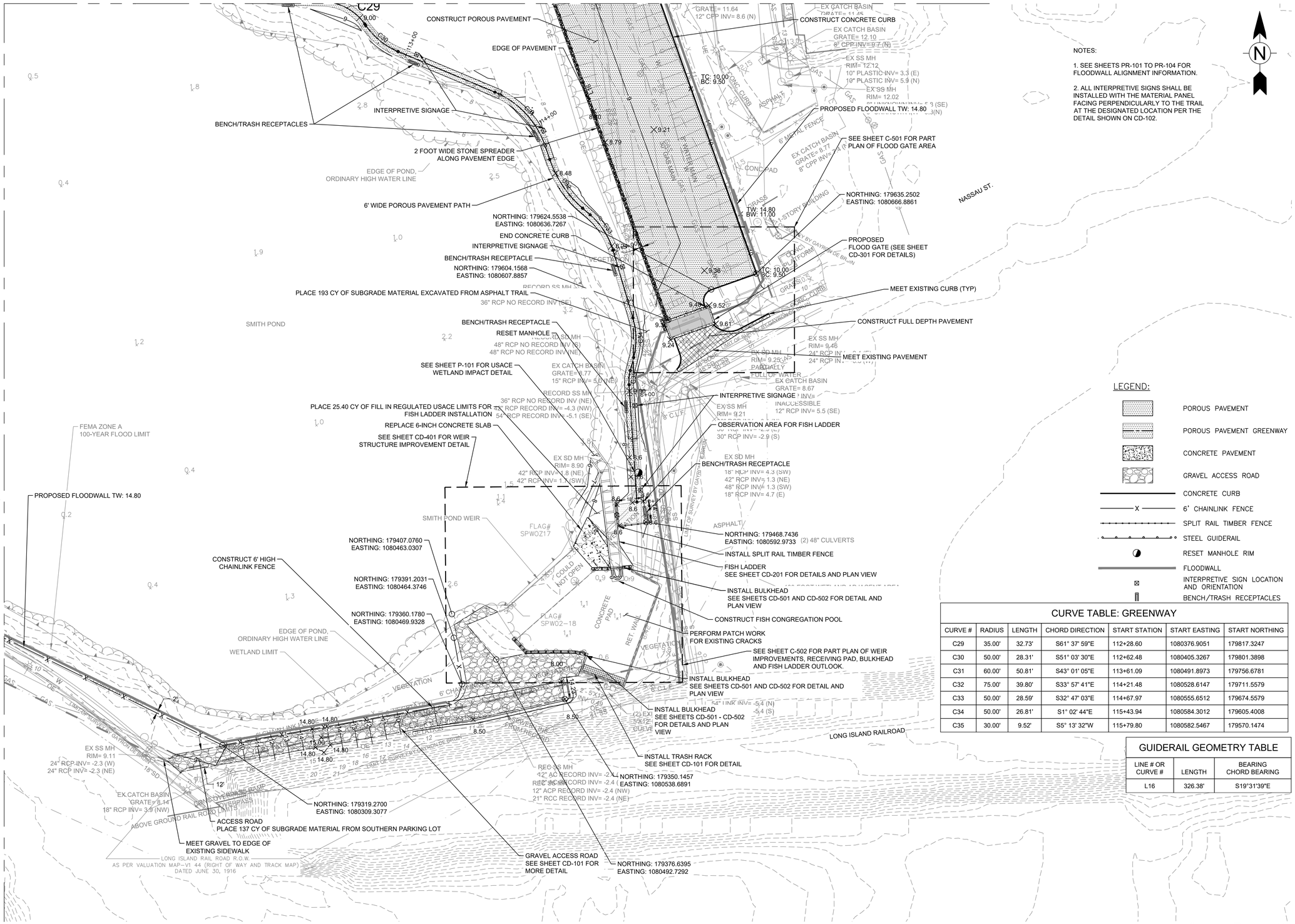
SITE PLANS
(3 OF 5)

Drawing Number C-303

Sheet 23 of 93

MATCH LINE, SEE DRAWING C-303

MATCH LINE, SEE DRAWING C-305



NOTES:

1. SEE SHEETS PR-101 TO PR-104 FOR FLOODWALL ALIGNMENT INFORMATION.

2. ALL INTERPRETIVE SIGNS SHALL BE INSTALLED WITH THE MATERIAL PANEL FACING PERPENDICULARLY TO THE TRAIL AT THE DESIGNATED LOCATION PER THE DETAIL SHOWN ON CD-102.

LEGEND:

- POROUS PAVEMENT
- POROUS PAVEMENT GREENWAY
- CONCRETE PAVEMENT
- GRAVEL ACCESS ROAD
- CONCRETE CURB
- 6' CHAINLINK FENCE
- SPLIT RAIL TIMBER FENCE
- STEEL GUIDERAIL
- RESET MANHOLE RIM
- FLOODWALL
- INTERPRETIVE SIGN LOCATION AND ORIENTATION
- BENCH/TRASH RECEPTACLES

CURVE TABLE: GREENWAY

CURVE #	RADIUS	LENGTH	CHORD DIRECTION	START STATION	START EASTING	START NORTHING
C29	35.00'	32.73'	S61° 37' 59"E	112+28.60	1080376.9051	179817.3247
C30	50.00'	28.31'	S51° 03' 30"E	112+62.48	1080405.3267	179801.3898
C31	60.00'	50.81'	S43° 01' 05"E	113+61.09	1080491.8973	179756.6781
C32	75.00'	39.80'	S33° 57' 41"E	114+21.48	1080528.6147	179711.5579
C33	50.00'	28.59'	S32° 47' 03"E	114+67.97	1080555.6512	179674.5579
C34	50.00'	26.81'	S1° 02' 44"E	115+43.94	1080584.3012	179605.4008
C35	30.00'	9.52'	S5° 13' 32"W	115+79.80	1080582.5467	179570.1474

GUIDERAIL GEOMETRY TABLE

LINE # OR CURVE #	LENGTH	BEARING CHORD BEARING
L16	326.38'	S19°31'39"E

0 30 60
SCALE: 1" = 30'

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND REHABILITATION PROJECT (PROJECT L)

VILLAGE OF ROCKVILLE CENTRE, LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

SITE PLANS (4 OF 5)

Drawing Number C-304

Sheet 24 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C301 Construction Plan.dwg Jul 27, 2020

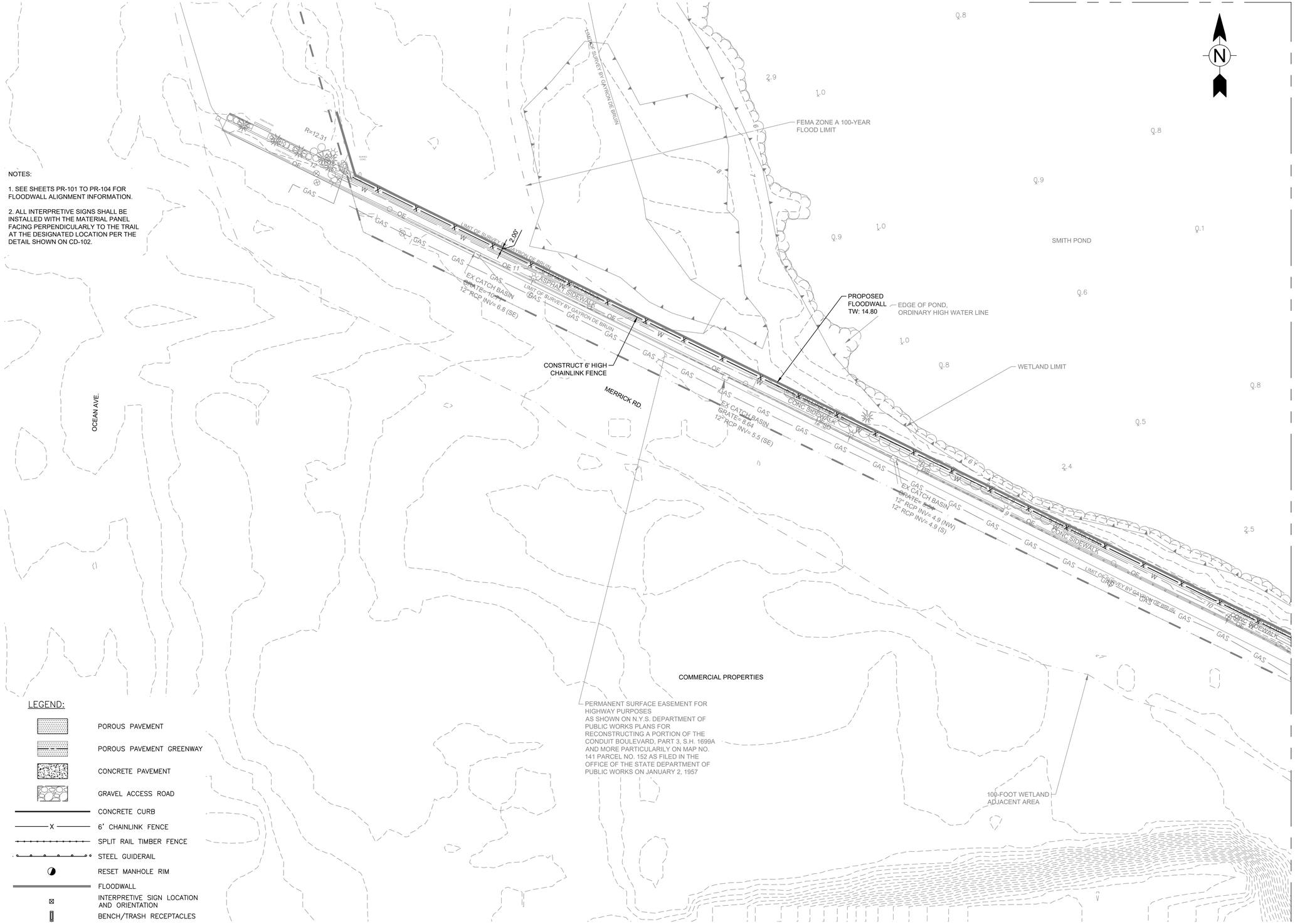
LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C301 Construction Plan.dwg Jul 27, 2020

MATCH LINE, SEE DRAWING C-303

NOTES:

1. SEE SHEETS PR-101 TO PR-104 FOR FLOODWALL ALIGNMENT INFORMATION.

2. ALL INTERPRETIVE SIGNS SHALL BE INSTALLED WITH THE MATERIAL PANEL FACING PERPENDICULARLY TO THE TRAIL AT THE DESIGNATED LOCATION PER THE DETAIL SHOWN ON CD-102.



LEGEND:

- POROUS PAVEMENT
- POROUS PAVEMENT GREENWAY
- CONCRETE PAVEMENT
- GRAVEL ACCESS ROAD
- CONCRETE CURB
- 6' CHAINLINK FENCE
- SPLIT RAIL TIMBER FENCE
- STEEL GUIDERAIL
- RESET MANHOLE RIM
- FLOODWALL
- INTERPRETIVE SIGN LOCATION AND ORIENTATION
- BENCH/TRASH RECEPTACLES

MATCH LINE, SEE DRAWING C-304

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp
412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

STATE OF NEW YORK
REBECCA DOUGHERTY MAZZOLLA
100223
LICENSED PROFESSIONAL ENGINEER

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

SITE PLANS
(5 OF 5)

Drawing Number C-305

Sheet 25 of 93

SURFACE EASEMENT GRANTED TO NASSAU COUNTY FOR HIGHWAY OR BOULEVARD PURPOSES
AS SHOWN ON NASSAU COUNTY DEPARTMENT OF PUBLIC WORKS MAP SHOWING EXCHANGE OF LANDS WITH LONG ISLAND STATE PARK COMMISSION AT HEMPSTEAD LAKE STATE PARK, FILE #1187-1
ACCEPTED BY RESOLUTION NO. 221 DATED MARCH 26, 1956

PENINSULA BLVD

MAINE AVE

EX CATCH BASIN
GRATE= 12.58
18" RCP INV= 9.0 (N)

EX SD MH
RIM= 13.80
48" RCP INV= 6.4 (NE)
48" RCP INV= 6.4 (SE)

CONC. CURB

TC: 13.38
BC: 12.88

VEGETATION

RECORD SS MH
42" RCP RECORD INV= -1.5 (NW)
42" RCP RECORD INV= -1.5 (SW)

CONC. SIDEWALK

EX SD MH
RIM= 11.09
48" RCP INV= 5.0 (NE)
48" RCP INV= 5.0 (SE)

WETLAND LIMIT

100-FOOT WETLAND ADJACENT AREA

LIMIT OF SURVEY BY GAYRON DE BRUIN

4" CHAIN LINK FENCE

MATCH LINE, SEE DRAWING C-402

0 30 60
SCALE: 1" = 30'

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

GRADING PLANS
(1 OF 5)

Drawing Number C-401

Sheet 26 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C401 Grading Plan.dwg Jul 27, 2020

MATCH LINE, SEE DRAWING C-401

WETLAND LIMIT

APPROXIMATE LOCATION OF 6' CHAIN LINK FENCE

VEGETATION

5'X11' BOX CULVERT INLET TO SMITH POND

FLAG# SPW1907-136

FLAG# SPW02-135

FLAG# SPW02-134

FLAG# SPW02-133

EX OUTFALL
132" RCP INV = 2.2± (N)

SMITH POND

EDGE OF POND, ORDINARY HIGH WATER LINE

WETLAND LIMIT

FEMA ZONE A 100-YEAR FLOOD LIMIT

6' CHAIN LINK FENCE

EX SS MH
RIM= 14.05
42" RCP INV= -2.4 (NE)
42" RCP INV= -2.4 (SW)

EX SD MH
RIM= 15.83'
48" RCP INV= 4.65 (NE)
48" RCP INV= 4.4 (SW)

RECORD SS MH
42" RCP RECORD INV= -2.6 (NE)
42" RCP RECORD INV= -2.6 (SW)

100-FOOT WETLAND ADJACENT AREA

LIMIT OF SURVEY

GAYTON DE BRUIN

ASPHALT

GRASS

FENCE

GAS

OLD MILL CT

MEEHAN LN

MATCH LINE, SEE DRAWING C-403

0 30 60
SCALE: 1" = 30'

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

STATE OF NEW YORK
REBECCA DOUGHERTY MAZZOLLA
100223
LICENSED PROFESSIONAL ENGINEER

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

GRADING PLANS
(2 OF 5)

Drawing Number C-402

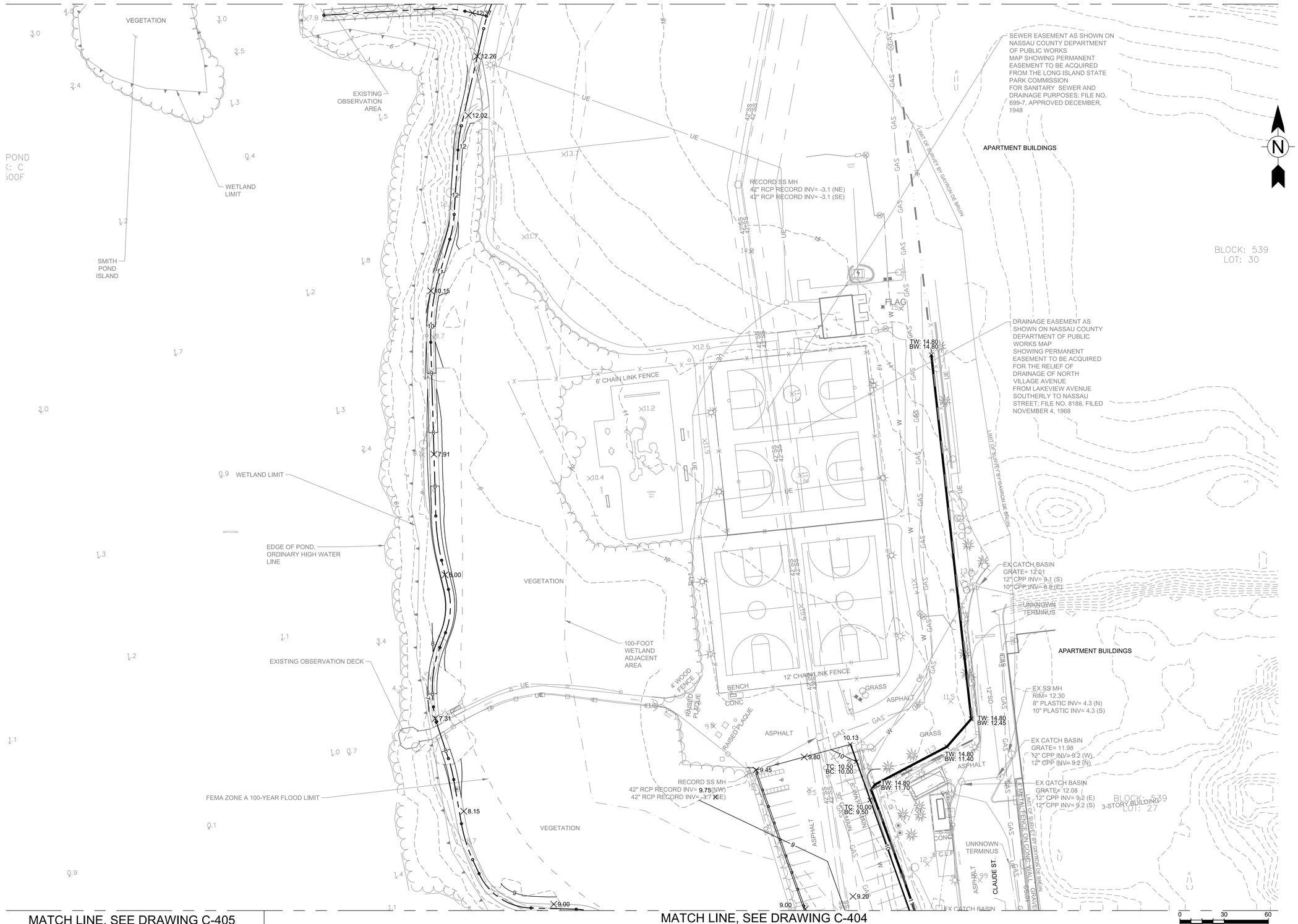
Sheet 27 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C401 Grading Plan.dwg Jul 27, 2020

MATCH LINE, SEE DRAWING C-402

MATCH LINE, SEE DRAWING C-405

MATCH LINE, SEE DRAWING C-404



LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C401 Grading Plan.dwg Jul 27, 2020

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

STATE OF NEW YORK — REBECCA DOUGHERTY MAZZOLLA — 100223 — LICENSED PROFESSIONAL ENGINEER

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

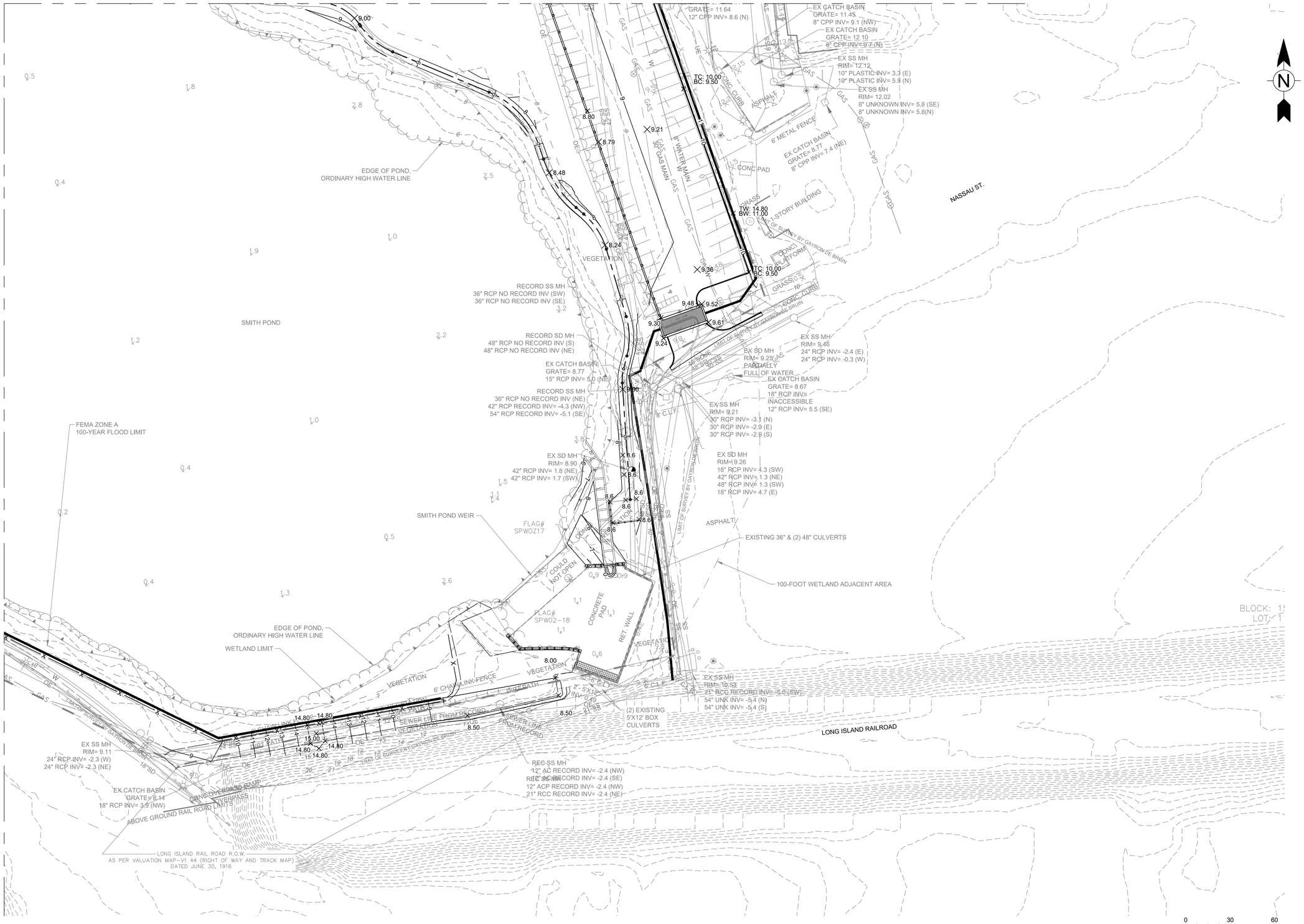
GRADING PLANS
(3 OF 5)

Drawing Number C-403

Sheet 28 of 93

MATCH LINE, SEE DRAWING C-403

MATCH LINE, SEE DRAWING C-405



LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C401 Grading Plan.dwg Jul 27, 2020

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

STATE OF NEW YORK
REBECCA DOUGHERTY MAZZOLLA
100223-1
LICENSED PROFESSIONAL ENGINEER

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

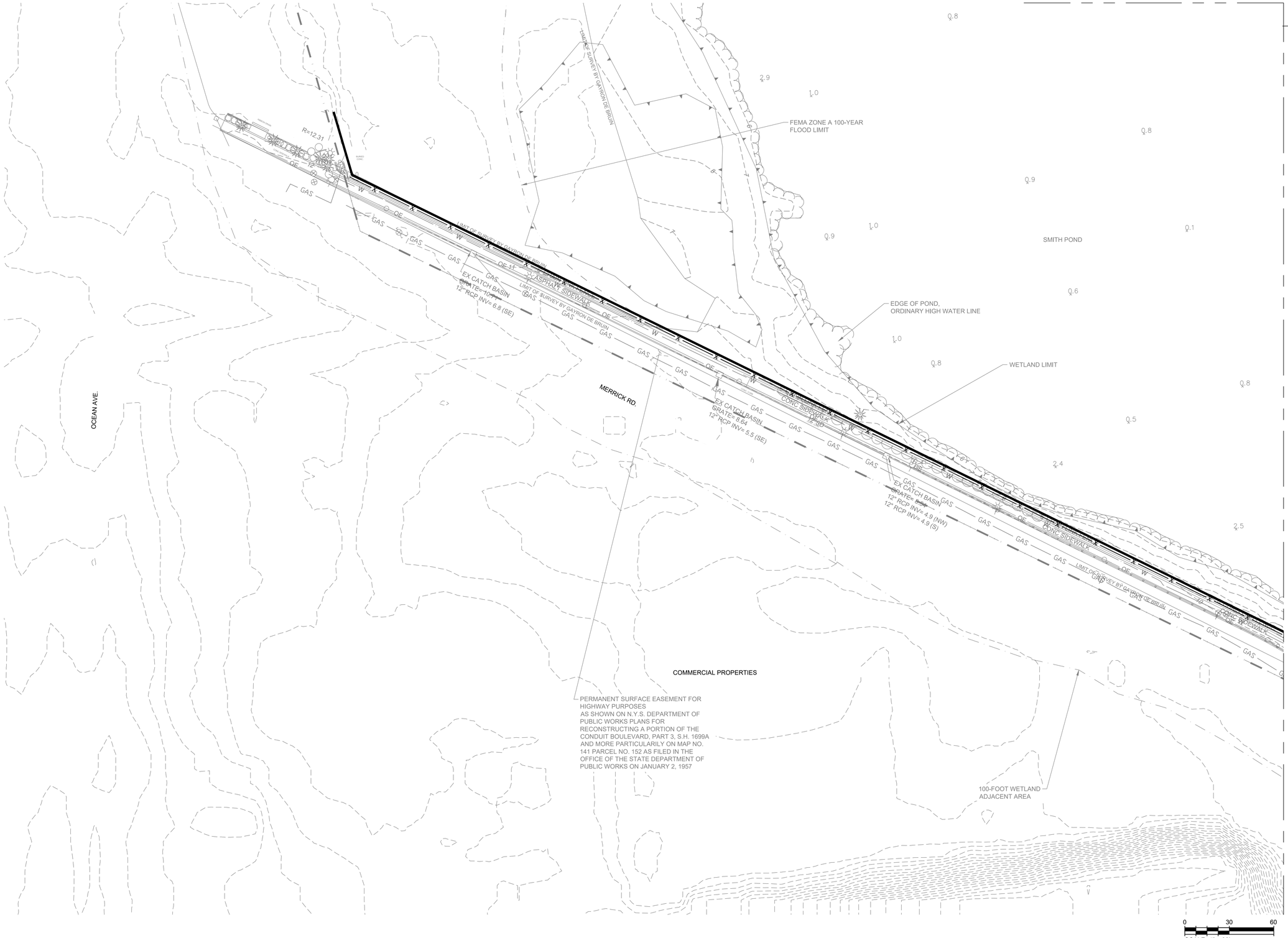
Drawing Title

GRADING PLANS
(4 OF 5)

Drawing Number C-404

Sheet 29 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C401 Grading Plan.dwg Jul 27, 2020



FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

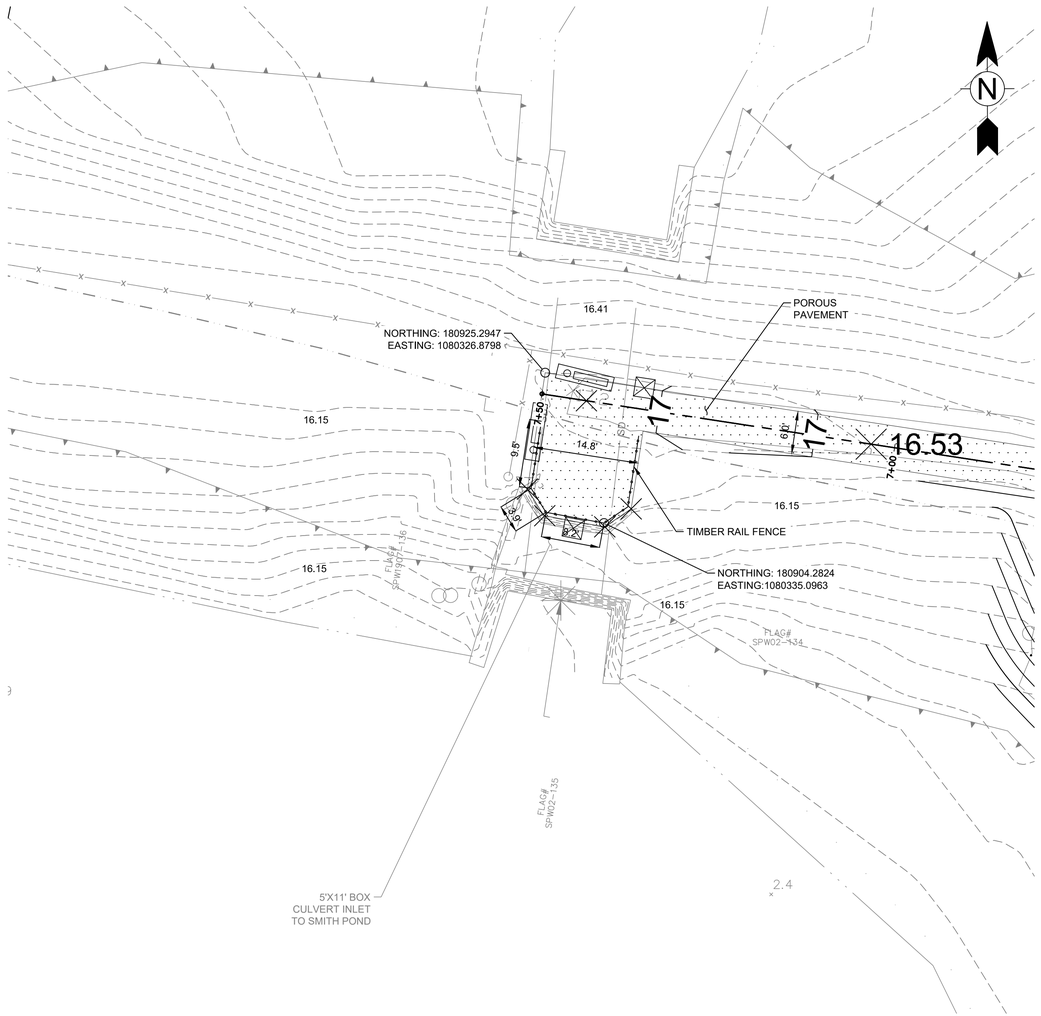
GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

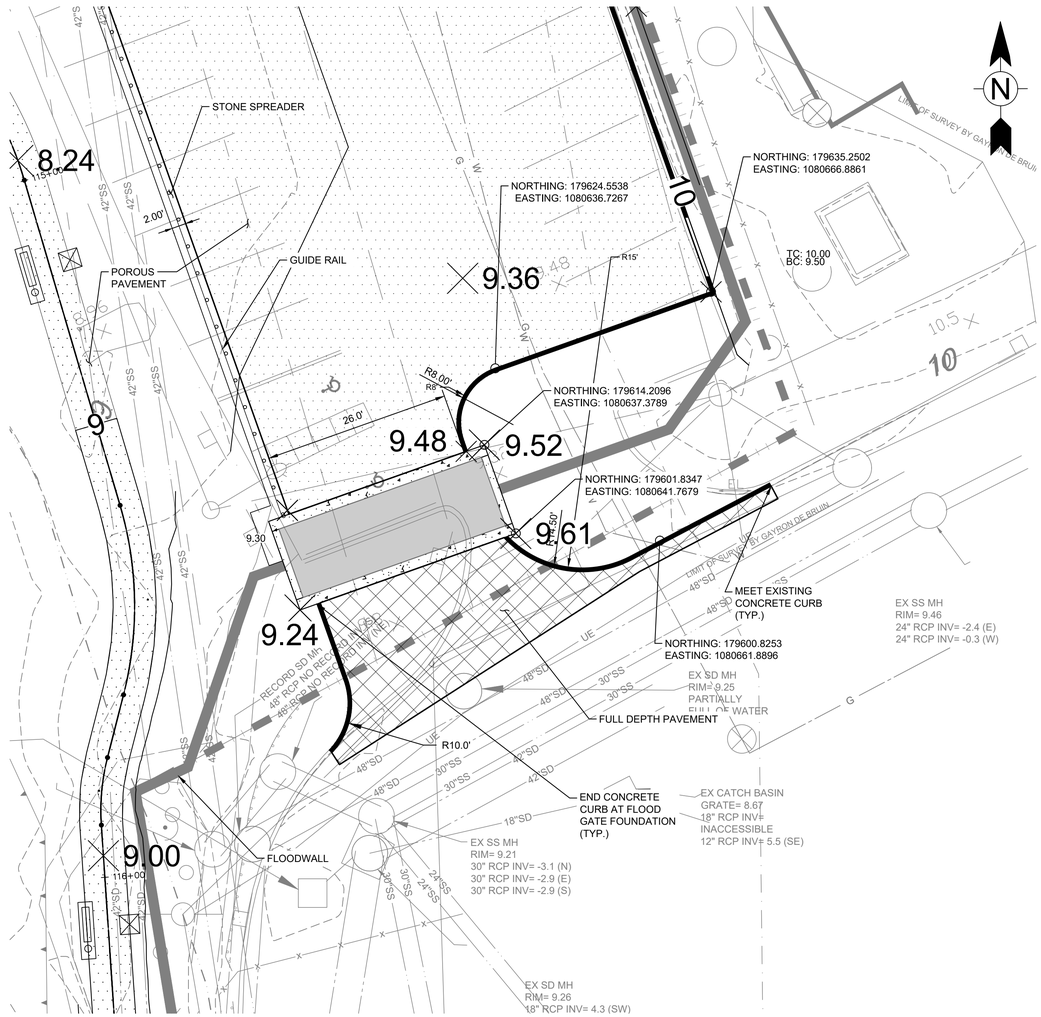
GRADING PLANS
(5 OF 5)

Drawing Number C-405

Sheet 30 of 93



PART PLAN:
NORTH OVERLOOK
SCALE: 1" = 10'



PART PLAN:
EAST FLOOD GATE
SCALE: 1" = 10'

0 10 20
SCALE: 1" = 10'

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

STATE OF NEW YORK
REBECCA DOUGHERTY MAZZOLLA
100223
LICENSED PROFESSIONAL ENGINEER

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

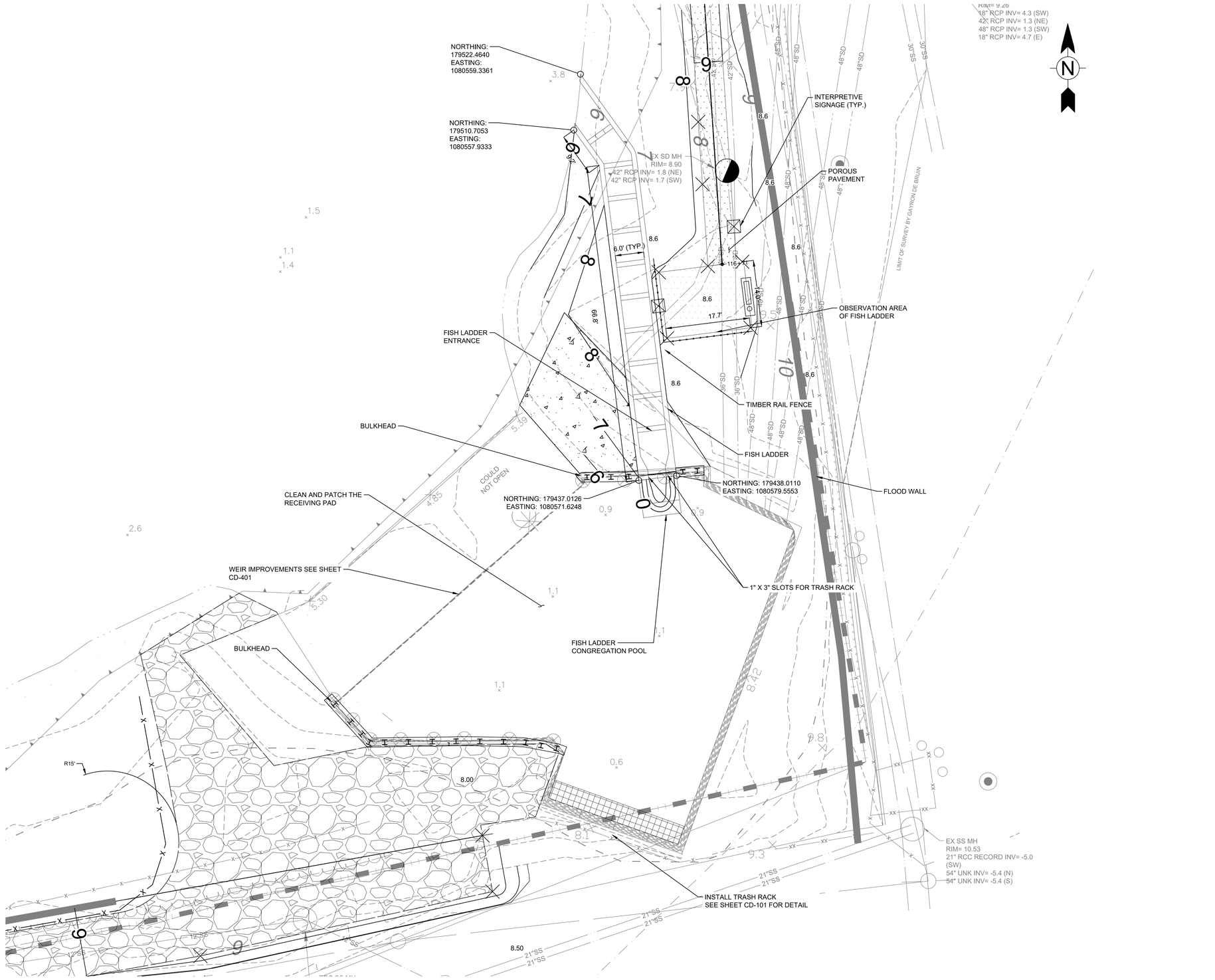
Drawing Title

PART PLANS
(1 OF 2)

Drawing Number C-501

Sheet 31 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\ Jul 27, 2020



PART PLAN:
WEIR IMPROVEMENT, RECEIVING PAD, BULKHEAD AND FISH LADDER OVERLOOK
SCALE: 1" = 10'

0 10 20
SCALE: 1" = 10'

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

PART PLANS
(2 OF 2)

Drawing Number C-502

Sheet 32 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C306 Construction Plan.dwg Jul 27, 2020

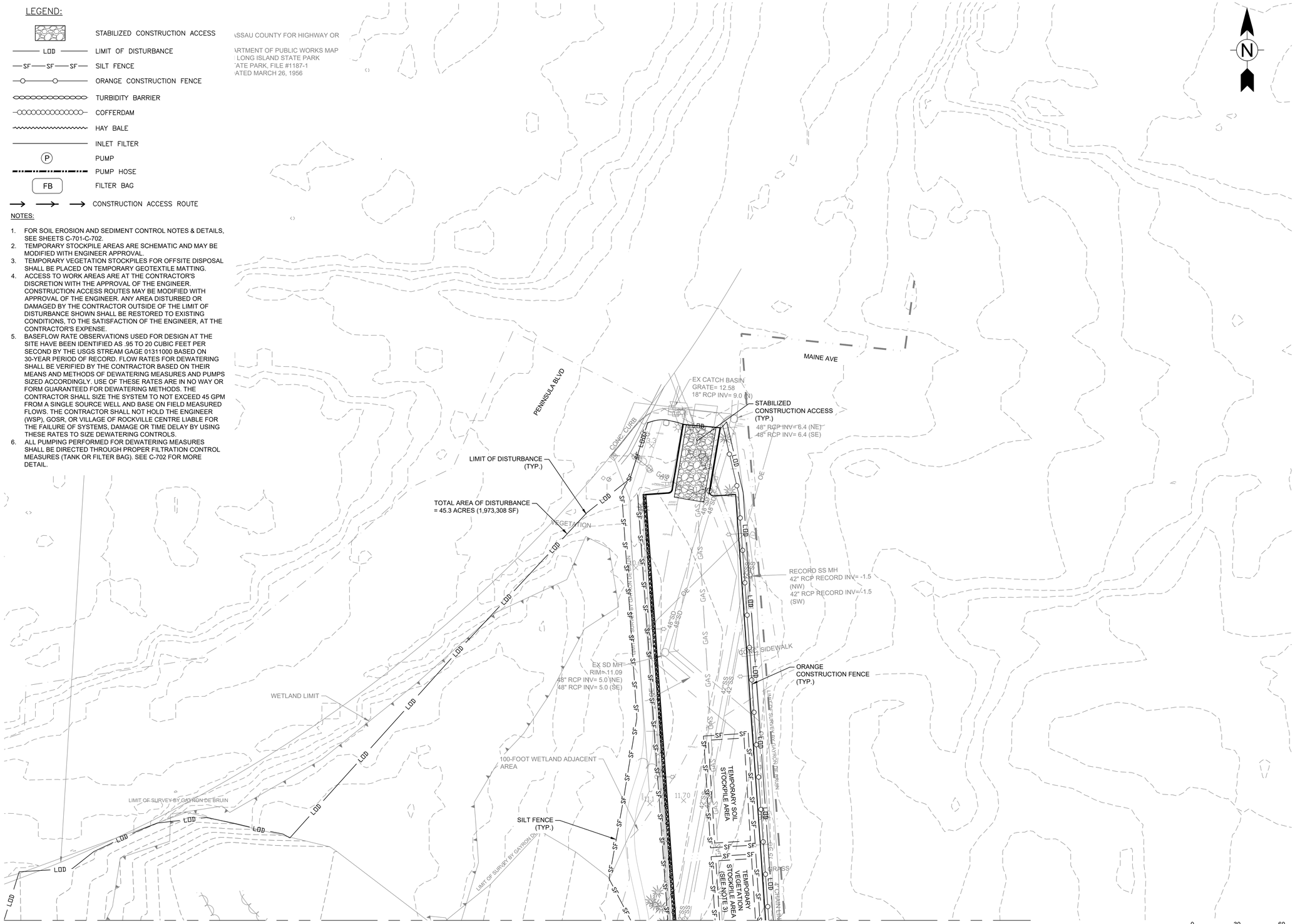
LEGEND:

- STABILIZED CONSTRUCTION ACCESS
- LOD — LIMIT OF DISTURBANCE
- SF — SF — SF — SILT FENCE
- ORANGE CONSTRUCTION FENCE
- TURBIDITY BARRIER
- COFFERDAM
- HAY BALE
- INLET FILTER
- (P) PUMP
- PUMP HOSE
- FB — FILTER BAG
- CONSTRUCTION ACCESS ROUTE

NOTES:

1. FOR SOIL EROSION AND SEDIMENT CONTROL NOTES & DETAILS, SEE SHEETS C-701-C-702.
2. TEMPORARY STOCKPILE AREAS ARE SCHEMATIC AND MAY BE MODIFIED WITH ENGINEER APPROVAL.
3. TEMPORARY VEGETATION STOCKPILES FOR OFFSITE DISPOSAL SHALL BE PLACED ON TEMPORARY GEOTEXTILE MATTING.
4. ACCESS TO WORK AREAS ARE AT THE CONTRACTOR'S DISCRETION WITH THE APPROVAL OF THE ENGINEER. CONSTRUCTION ACCESS ROUTES MAY BE MODIFIED WITH APPROVAL OF THE ENGINEER. ANY AREA DISTURBED OR DAMAGED BY THE CONTRACTOR OUTSIDE OF THE LIMIT OF DISTURBANCE SHOWN SHALL BE RESTORED TO EXISTING CONDITIONS, TO THE SATISFACTION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
5. BASEFLOW RATE OBSERVATIONS USED FOR DESIGN AT THE SITE HAVE BEEN IDENTIFIED AS .95 TO 20 CUBIC FEET PER SECOND BY THE USGS STREAM GAGE 01311000 BASED ON 30-YEAR PERIOD OF RECORD. FLOW RATES FOR DEWATERING SHALL BE VERIFIED BY THE CONTRACTOR BASED ON THEIR MEANS AND METHODS OF DEWATERING MEASURES AND PUMPS SIZED ACCORDINGLY. USE OF THESE RATES ARE IN NO WAY OR FORM GUARANTEED FOR DEWATERING METHODS. THE CONTRACTOR SHALL SIZE THE SYSTEM TO NOT EXCEED 45 GPM FROM A SINGLE SOURCE WELL AND BASE ON FIELD MEASURED FLOWS. THE CONTRACTOR SHALL NOT HOLD THE ENGINEER (WSP), GOSR, OR VILLAGE OF ROCKVILLE CENTRE LIABLE FOR THE FAILURE OF SYSTEMS, DAMAGE OR TIME DELAY BY USING THESE RATES TO SIZE DEWATERING CONTROLS.
6. ALL PUMPING PERFORMED FOR DEWATERING MEASURES SHALL BE DIRECTED THROUGH PROPER FILTRATION CONTROL MEASURES (TANK OR FILTER BAG). SEE C-702 FOR MORE DETAIL.

ASSAU COUNTY FOR HIGHWAY OR
ARTMENT OF PUBLIC WORKS MAP
LONG ISLAND STATE PARK
ATE PARK, FILE #1187-1
ATED MARCH 26, 1956



MATCH LINE, SEE DRAWING C-602

0 30 60
SCALE: 1" = 30'

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

STATE OF NEW YORK — REBECCA DOUGHERTY MAZZOLLA — 100223 — LICENSED PROFESSIONAL ENGINEER

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

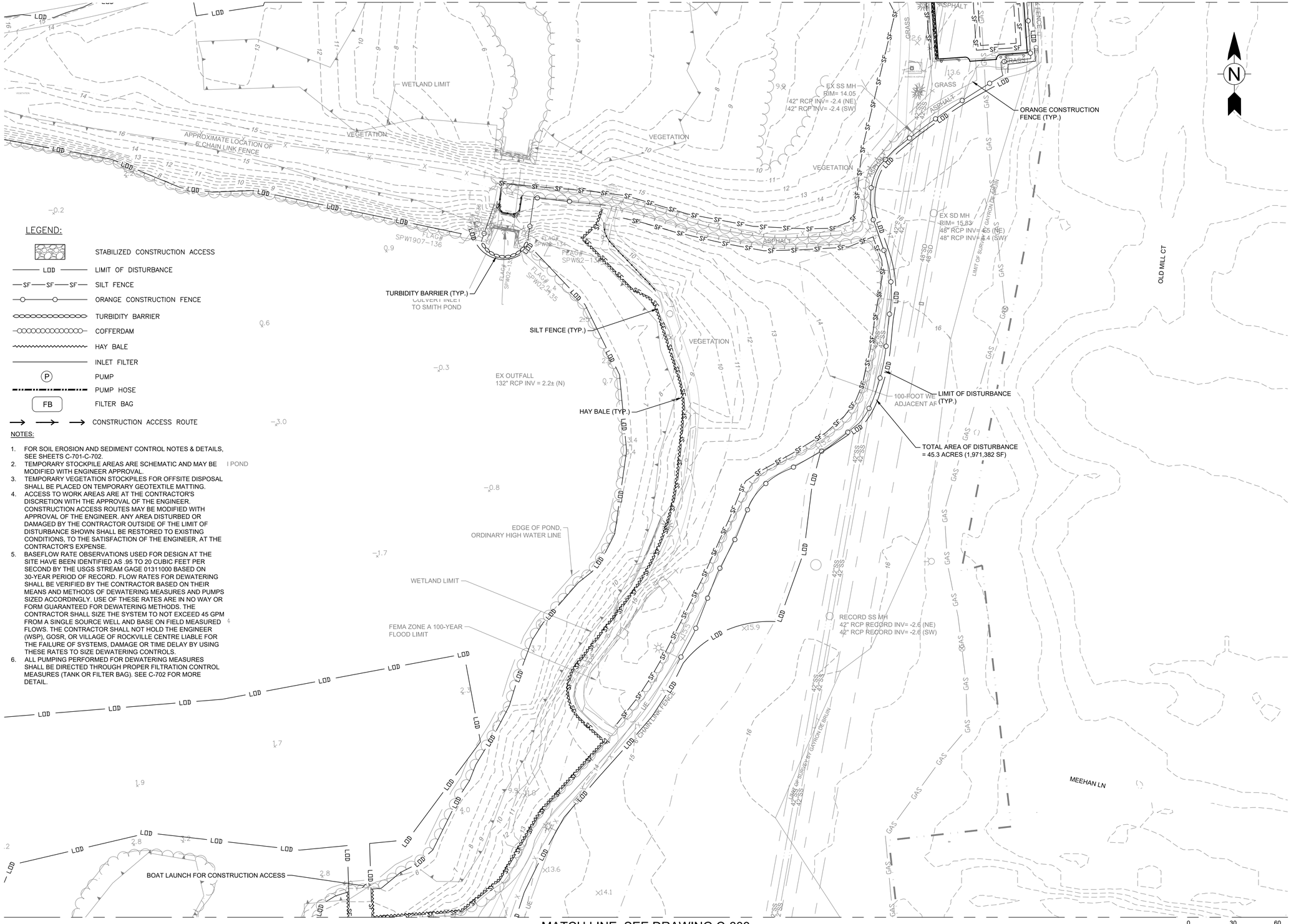
SOIL EROSION
AND SEDIMENT
CONTROL PLANS
(1 OF 8)

Drawing Number C-601

Sheet 33 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C501 SESC Plan.dwg Jul 27, 2020

MATCH LINE, SEE DRAWING C-601



MATCH LINE, SEE DRAWING C-603

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C501 SESC Plan.dwg Jul 27, 2020

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

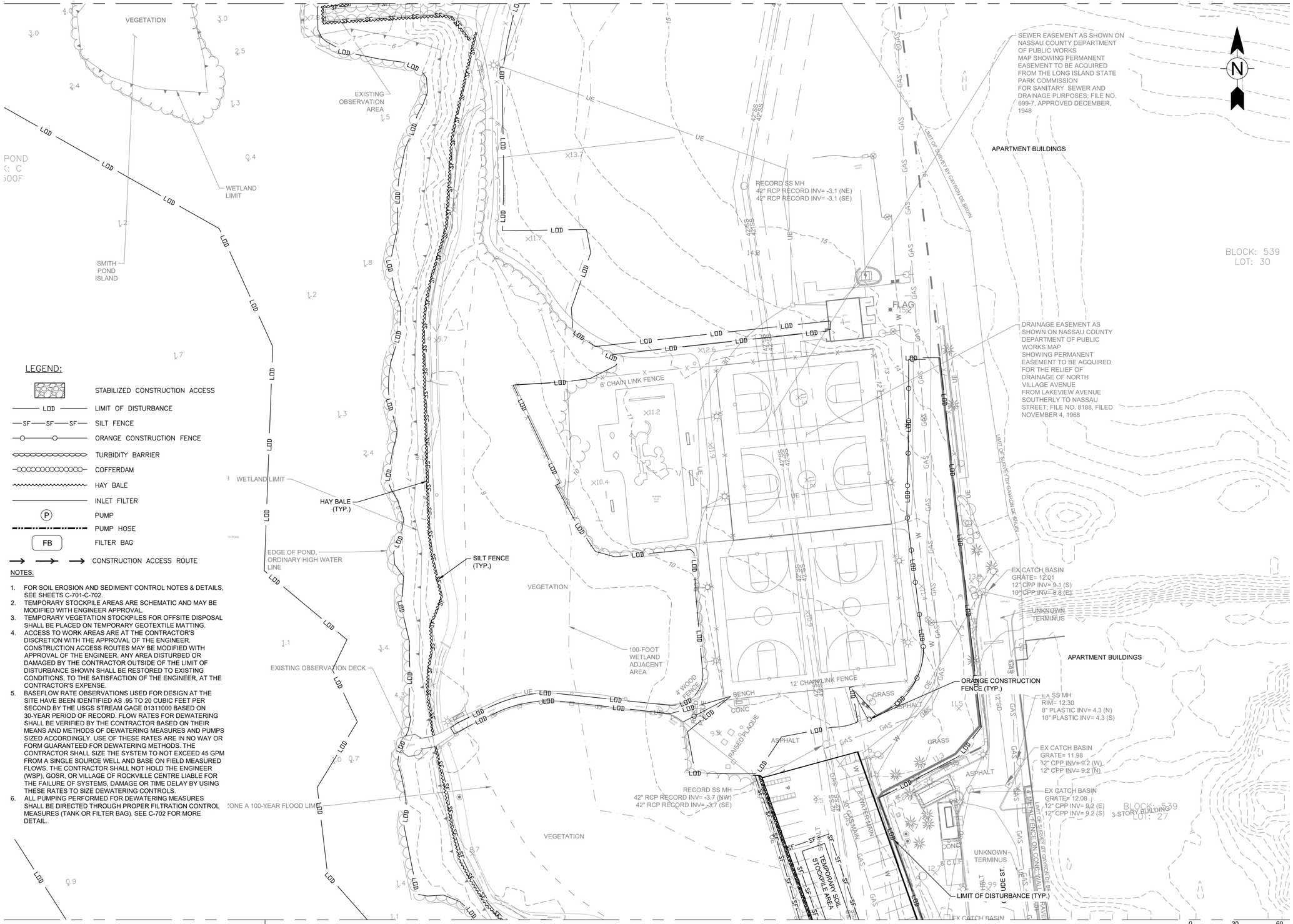
Drawing Title

SOIL EROSION
AND SEDIMENT
CONTROL
PLANS (2 OF 8)

Drawing Number C-602

Sheet 34 of 93

MATCH LINE, SEE DRAWING C-602



LEGEND:

- STABILIZED CONSTRUCTION ACCESS
- LOD — LIMIT OF DISTURBANCE
- SF — SF — SF — SILT FENCE
- ORANGE CONSTRUCTION FENCE
- TURBIDITY BARRIER
- COFFERDAM
- HAY BALE
- INLET FILTER
- (P) PUMP
- PUMP HOSE
- FB FILTER BAG
- CONSTRUCTION ACCESS ROUTE

NOTES:

1. FOR SOIL EROSION AND SEDIMENT CONTROL NOTES & DETAILS, SEE SHEETS C-701-C-702.
2. TEMPORARY STOCKPILE AREAS ARE SCHEMATIC AND MAY BE MODIFIED WITH ENGINEER APPROVAL.
3. TEMPORARY VEGETATION STOCKPILES FOR OFFSITE DISPOSAL SHALL BE PLACED ON TEMPORARY GEOTEXTILE MATTING.
4. ACCESS TO WORK AREAS ARE AT THE CONTRACTOR'S DISCRETION WITH THE APPROVAL OF THE ENGINEER. CONSTRUCTION ACCESS ROUTES MAY BE MODIFIED WITH APPROVAL OF THE ENGINEER. ANY AREA DISTURBED OR DAMAGED BY THE CONTRACTOR OUTSIDE OF THE LIMIT OF DISTURBANCE SHOWN SHALL BE RESTORED TO EXISTING CONDITIONS, TO THE SATISFACTION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
5. BASEFLOW RATE OBSERVATIONS USED FOR DESIGN AT THE SITE HAVE BEEN IDENTIFIED AS .95 TO 20 CUBIC FEET PER SECOND BY THE USGS STREAM GAGE 01311000 BASED ON 30-YEAR PERIOD OF RECORD. FLOW RATES FOR DEWATERING SHALL BE VERIFIED BY THE CONTRACTOR BASED ON THEIR MEANS AND METHODS OF DEWATERING MEASURES AND PUMPS SIZED ACCORDINGLY. USE OF THESE RATES ARE IN NO WAY OR FORM GUARANTEED FOR DEWATERING METHODS. THE CONTRACTOR SHALL SIZE THE SYSTEM TO NOT EXCEED 45 GPM FROM A SINGLE SOURCE WELL AND BASE ON FIELD MEASURED FLOWS. THE CONTRACTOR SHALL NOT HOLD THE ENGINEER (WSP), GOSR, OR VILLAGE OF ROCKVILLE CENTRE LIABLE FOR THE FAILURE OF SYSTEMS, DAMAGE OR TIME DELAY BY USING THESE RATES TO SIZE DEWATERING CONTROLS.
6. ALL PUMPING PERFORMED FOR DEWATERING MEASURES SHALL BE DIRECTED THROUGH PROPER FILTRATION CONTROL MEASURES (TANK OR FILTER BAG). SEE C-702 FOR MORE DETAIL.

MATCH LINE, SEE DRAWING C-605

MATCH LINE, SEE DRAWING C-604

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

SOIL EROSION
AND SEDIMENT
CONTROL PLANS
(3 OF 8)

Drawing Number C-603

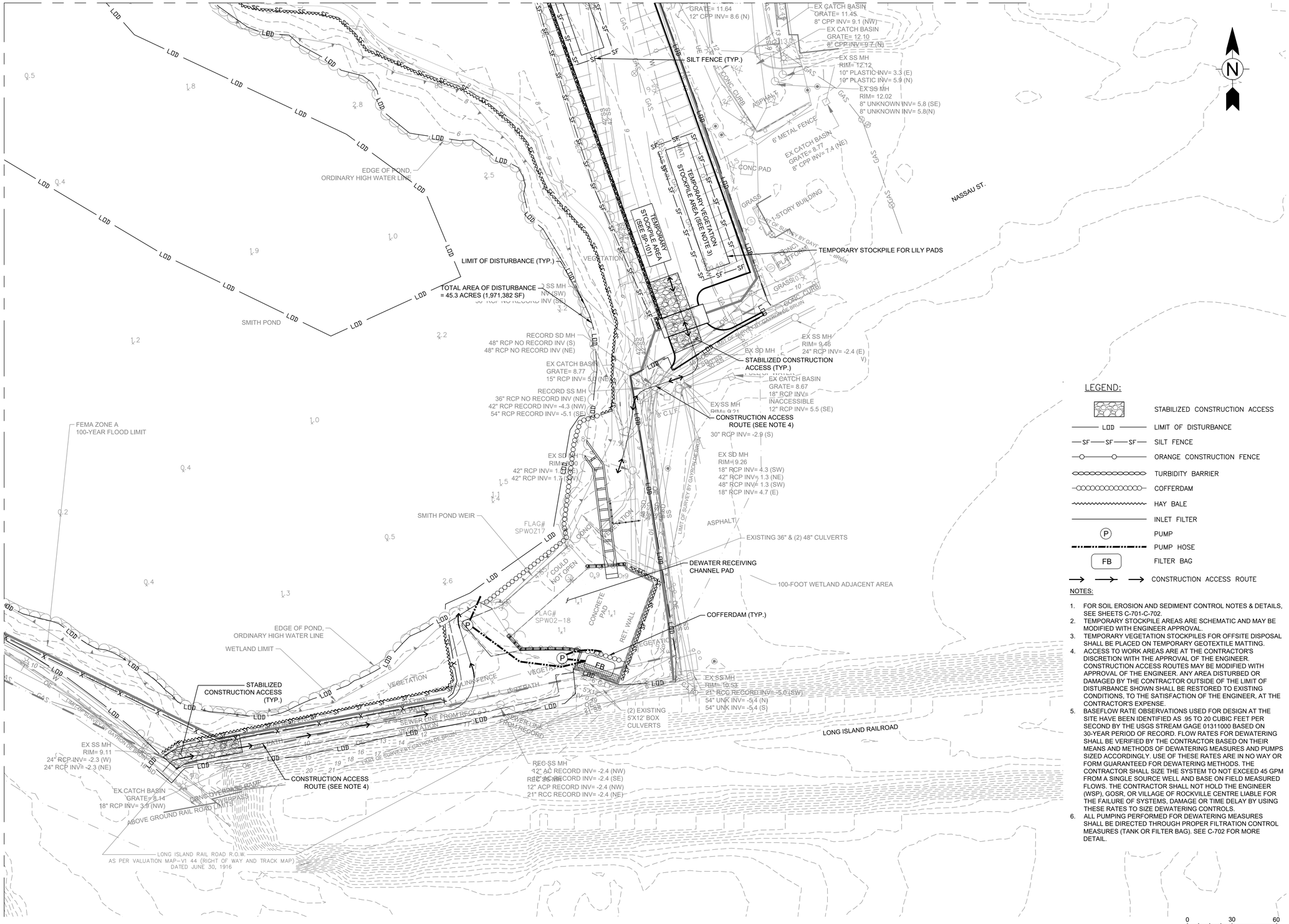
Sheet 35 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C501 SESC Plan.dwg Jul 27, 2020

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C501 SESC Plan.dwg Jul 27, 2020

MATCH LINE, SEE DRAWING C-605

MATCH LINE, SEE DRAWING C-603



LEGEND:

- STABILIZED CONSTRUCTION ACCESS
- LOD — LIMIT OF DISTURBANCE
- SF — SF — SF — SILT FENCE
- ORANGE CONSTRUCTION FENCE
- TURBIDITY BARRIER
- COFFERDAM
- HAY BALE
- INLET FILTER
- P — PUMP
- PUMP HOSE
- FB — FILTER BAG
- CONSTRUCTION ACCESS ROUTE

NOTES:

1. FOR SOIL EROSION AND SEDIMENT CONTROL NOTES & DETAILS, SEE SHEETS C-701-C-702.
2. TEMPORARY STOCKPILE AREAS ARE SCHEMATIC AND MAY BE MODIFIED WITH ENGINEER APPROVAL.
3. TEMPORARY VEGETATION STOCKPILES FOR OFFSITE DISPOSAL SHALL BE PLACED ON TEMPORARY GEOTEXTILE MATTING.
4. ACCESS TO WORK AREAS ARE AT THE CONTRACTOR'S DISCRETION WITH THE APPROVAL OF THE ENGINEER. CONSTRUCTION ACCESS ROUTES MAY BE MODIFIED WITH APPROVAL OF THE ENGINEER. ANY AREA DISTURBED OR DAMAGED BY THE CONTRACTOR OUTSIDE OF THE LIMIT OF DISTURBANCE SHOWN SHALL BE RESTORED TO EXISTING CONDITIONS, TO THE SATISFACTION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
5. BASEFLOW RATE OBSERVATIONS USED FOR DESIGN AT THE SITE HAVE BEEN IDENTIFIED AS .95 TO 20 CUBIC FEET PER SECOND BY THE USGS STREAM GAGE 01311000 BASED ON 30-YEAR PERIOD OF RECORD. FLOW RATES FOR DEWATERING SHALL BE VERIFIED BY THE CONTRACTOR BASED ON THEIR MEANS AND METHODS OF DEWATERING MEASURES AND PUMPS SIZED ACCORDINGLY. USE OF THESE RATES ARE IN NO WAY OR FORM GUARANTEED FOR DEWATERING METHODS. THE CONTRACTOR SHALL SIZE THE SYSTEM TO NOT EXCEED 45 GPM FROM A SINGLE SOURCE WELL AND BASE ON FIELD MEASURED FLOWS. THE CONTRACTOR SHALL NOT HOLD THE ENGINEER (WSP), GOSR, OR VILLAGE OF ROCKVILLE CENTRE LIABLE FOR THE FAILURE OF SYSTEMS, DAMAGE OR TIME DELAY BY USING THESE RATES TO SIZE DEWATERING CONTROLS.
6. ALL PUMPING PERFORMED FOR DEWATERING MEASURES SHALL BE DIRECTED THROUGH PROPER FILTRATION CONTROL MEASURES (TANK OR FILTER BAG). SEE C-702 FOR MORE DETAIL.

0 30 60
SCALE: 1" = 30'

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

SOIL EROSION AND SEDIMENT CONTROL PLANS (4 OF 8)

Drawing Number C-604

Sheet 36 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C501 SESC Plan.dwg Jul 27, 2020

LEGEND:

- STABILIZED CONSTRUCTION ACCESS
- LOD — LIMIT OF DISTURBANCE
- SF — SF — SF — SILT FENCE
- ORANGE CONSTRUCTION FENCE
- TURBIDITY BARRIER
- COFFERDAM
- HAY BALE
- INLET FILTER
- (P) PUMP
- PUMP HOSE
- FB — FILTER BAG
- CONSTRUCTION ACCESS ROUTE

NOTES:

1. FOR SOIL EROSION AND SEDIMENT CONTROL NOTES & DETAILS, SEE SHEETS C-701-C-702.
2. TEMPORARY STOCKPILE AREAS ARE SCHEMATIC AND MAY BE MODIFIED WITH ENGINEER APPROVAL.
3. TEMPORARY VEGETATION STOCKPILES FOR OFFSITE DISPOSAL SHALL BE PLACED ON TEMPORARY GEOTEXTILE MATTING.
4. ACCESS TO WORK AREAS ARE AT THE CONTRACTOR'S DISCRETION WITH THE APPROVAL OF THE ENGINEER. CONSTRUCTION ACCESS ROUTES MAY BE MODIFIED WITH APPROVAL OF THE ENGINEER. ANY AREA DISTURBED OR DAMAGED BY THE CONTRACTOR OUTSIDE OF THE LIMIT OF DISTURBANCE SHOWN SHALL BE RESTORED TO EXISTING CONDITIONS, TO THE SATISFACTION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
5. BASEFLOW RATE OBSERVATIONS USED FOR DESIGN AT THE SITE HAVE BEEN IDENTIFIED AS .95 TO 20 CUBIC FEET PER SECOND BY THE USGS STREAM GAGE 01311000 BASED ON 30-YEAR PERIOD OF RECORD. FLOW RATES FOR DEWATERING SHALL BE VERIFIED BY THE CONTRACTOR BASED ON THEIR MEANS AND METHODS OF DEWATERING MEASURES AND PUMPS SIZED ACCORDINGLY. USE OF THESE RATES ARE IN NO WAY OR FORM GUARANTEED FOR DEWATERING METHODS. THE CONTRACTOR SHALL SIZE THE SYSTEM TO NOT EXCEED 45 GPM FROM A SINGLE SOURCE WELL AND BASE ON FIELD MEASURED FLOWS. THE CONTRACTOR SHALL NOT HOLD THE ENGINEER (WSP), GOSR, OR VILLAGE OF ROCKVILLE CENTRE LIABLE FOR THE FAILURE OF SYSTEMS, DAMAGE OR TIME DELAY BY USING THESE RATES TO SIZE DEWATERING CONTROLS.
6. ALL PUMPING PERFORMED FOR DEWATERING MEASURES SHALL BE DIRECTED THROUGH PROPER FILTRATION CONTROL MEASURES (TANK OR FILTER BAG). SEE C-702 FOR MORE DETAIL.

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp
412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

SOIL EROSION
AND SEDIMENT
CONTROL
PLANS (5 OF 8)

Drawing Number C-605

Sheet 37 of 93

MATCH LINE, SEE DRAWING C-607

LEGEND:

- STABILIZED CONSTRUCTION ACCESS
- LDD — LIMIT OF DISTURBANCE
- SF SF SF — SILT FENCE
- ORANGE CONSTRUCTION FENCE
- TURBIDITY BARRIER
- COFFERDAM
- HAY BALE
- INLET FILTER
- P — PUMP
- PUMP HOSE
- FB — FILTER BAG
- CONSTRUCTION ACCESS ROUTE

NOTES:

1. FOR SOIL EROSION AND SEDIMENT CONTROL NOTES & DETAILS, SEE SHEETS C-701-C-702.
2. TEMPORARY STOCKPILE AREAS ARE SCHEMATIC AND MAY BE MODIFIED WITH ENGINEER APPROVAL.
3. TEMPORARY VEGETATION STOCKPILES FOR OFFSITE DISPOSAL SHALL BE PLACED ON TEMPORARY GEOTEXTILE MATTING.
4. ACCESS TO WORK AREAS ARE AT THE CONTRACTOR'S DISCRETION WITH THE APPROVAL OF THE ENGINEER. CONSTRUCTION ACCESS ROUTES MAY BE MODIFIED WITH APPROVAL OF THE ENGINEER. ANY AREA DISTURBED OR DAMAGED BY THE CONTRACTOR OUTSIDE OF THE LIMIT OF DISTURBANCE SHOWN SHALL BE RESTORED TO EXISTING CONDITIONS, TO THE SATISFACTION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
5. BASEFLOW RATE OBSERVATIONS USED FOR DESIGN AT THE SITE HAVE BEEN IDENTIFIED AS .95 TO 20 CUBIC FEET PER SECOND BY THE USGS STREAM GAGE 01311000 BASED ON 30-YEAR PERIOD OF RECORD. FLOW RATES FOR DEWATERING SHALL BE VERIFIED BY THE CONTRACTOR BASED ON THEIR MEANS AND METHODS OF DEWATERING MEASURES AND PUMPS SIZED ACCORDINGLY. USE OF THESE RATES ARE IN NO WAY OR FORM GUARANTEED FOR DEWATERING METHODS. THE CONTRACTOR SHALL SIZE THE SYSTEM TO NOT EXCEED 45 GPM FROM A SINGLE SOURCE WELL AND BASE ON FIELD MEASURED FLOWS. THE CONTRACTOR SHALL NOT HOLD THE ENGINEER (WSP), GOSR, OR VILLAGE OF ROCKVILLE CENTRE LIABLE FOR THE FAILURE OF SYSTEMS, DAMAGE OR TIME DELAY BY USING THESE RATES TO SIZE DEWATERING CONTROLS.
6. ALL PUMPING PERFORMED FOR DEWATERING MEASURES SHALL BE DIRECTED THROUGH PROPER FILTRATION CONTROL MEASURES (TANK OR FILTER BAG). SEE C-702 FOR MORE DETAIL.

MATCH LINE, SEE DRAWING C-603

MATCH LINE, SEE DRAWING C-605

0 30 60
SCALE: 1" = 30'

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C501 SESC Plan.dwg Jul 27, 2020

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

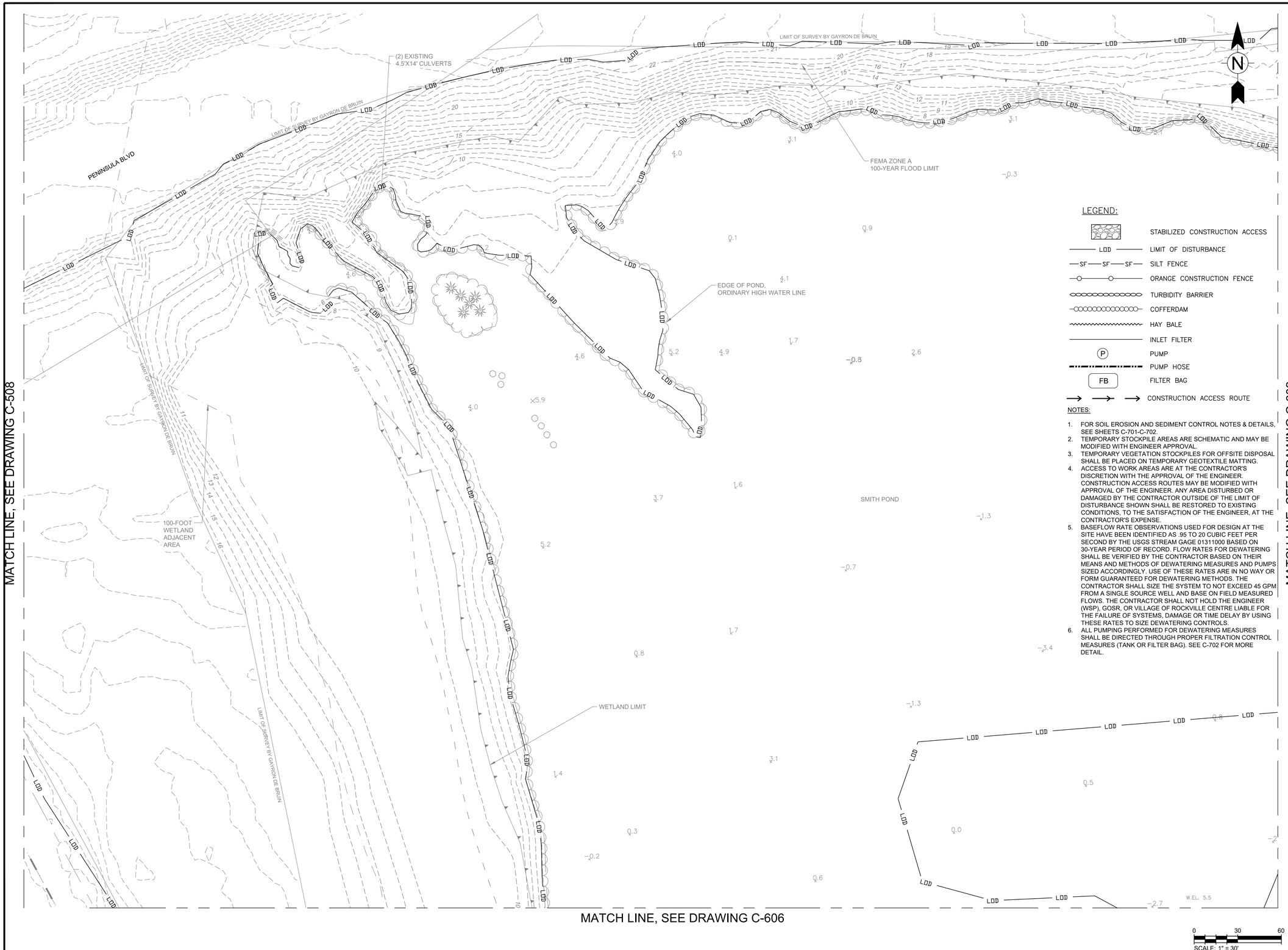
GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

SOIL EROSION
AND SEDIMENT
CONTROL PLANS
(6 OF 8)

Drawing Number C-606

Sheet 38 of 93



MATCH LINE, SEE DRAWING C-508

MATCH LINE, SEE DRAWING C-602

MATCH LINE, SEE DRAWING C-606

LEGEND:

- STABILIZED CONSTRUCTION ACCESS
- LOD — LIMIT OF DISTURBANCE
- SF SF SF — SILT FENCE
- ORANGE CONSTRUCTION FENCE
- TURBIDITY BARRIER
- COFFERDAM
- HAY BALE
- INLET FILTER
- (P) PUMP
- PUMP HOSE
- FB FILTER BAG
- CONSTRUCTION ACCESS ROUTE

NOTES:

1. FOR SOIL EROSION AND SEDIMENT CONTROL NOTES & DETAILS, SEE SHEETS C-701-C-702.
2. TEMPORARY STOCKPILE AREAS ARE SCHEMATIC AND MAY BE MODIFIED WITH ENGINEER APPROVAL.
3. TEMPORARY VEGETATION STOCKPILES FOR OFFSITE DISPOSAL SHALL BE PLACED ON TEMPORARY GEOTEXTILE MATTING.
4. ACCESS TO WORK AREAS ARE AT THE CONTRACTOR'S DISCRETION WITH THE APPROVAL OF THE ENGINEER. CONSTRUCTION ACCESS ROUTES MAY BE MODIFIED WITH APPROVAL OF THE ENGINEER. ANY AREA DISTURBED OR DAMAGED BY THE CONTRACTOR OUTSIDE OF THE LIMIT OF DISTURBANCE SHOWN SHALL BE RESTORED TO EXISTING CONDITIONS, TO THE SATISFACTION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
5. BASEFLOW RATE OBSERVATIONS USED FOR DESIGN AT THE SITE HAVE BEEN IDENTIFIED AS .95 TO 20 CUBIC FEET PER SECOND BY THE USGS STREAM GAGE 01311000 BASED ON 30-YEAR PERIOD OF RECORD. FLOW RATES FOR DEWATERING SHALL BE VERIFIED BY THE CONTRACTOR BASED ON THEIR MEANS AND METHODS OF DEWATERING MEASURES AND PUMPS SIZED ACCORDINGLY. USE OF THESE RATES ARE IN NO WAY OR FORM GUARANTEED FOR DEWATERING METHODS. THE CONTRACTOR SHALL SIZE THE SYSTEM TO NOT EXCEED 45 GPM FROM A SINGLE SOURCE WELL AND BASE ON FIELD MEASURED FLOWS. THE CONTRACTOR SHALL NOT HOLD THE ENGINEER (WSP), GOSR, OR VILLAGE OF ROCKVILLE CENTRE LIABLE FOR THE FAILURE OF SYSTEMS, DAMAGE OR TIME DELAY BY USING THESE RATES TO SIZE DEWATERING CONTROLS.
6. ALL PUMPING PERFORMED FOR DEWATERING MEASURES SHALL BE DIRECTED THROUGH PROPER FILTRATION CONTROL MEASURES (TANK OR FILTER BAG). SEE C-702 FOR MORE DETAIL.

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

STATE OF NEW YORK — REBECCA DOUGHERTY MAZZOLLA — 100223 — LICENSED PROFESSIONAL ENGINEER

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

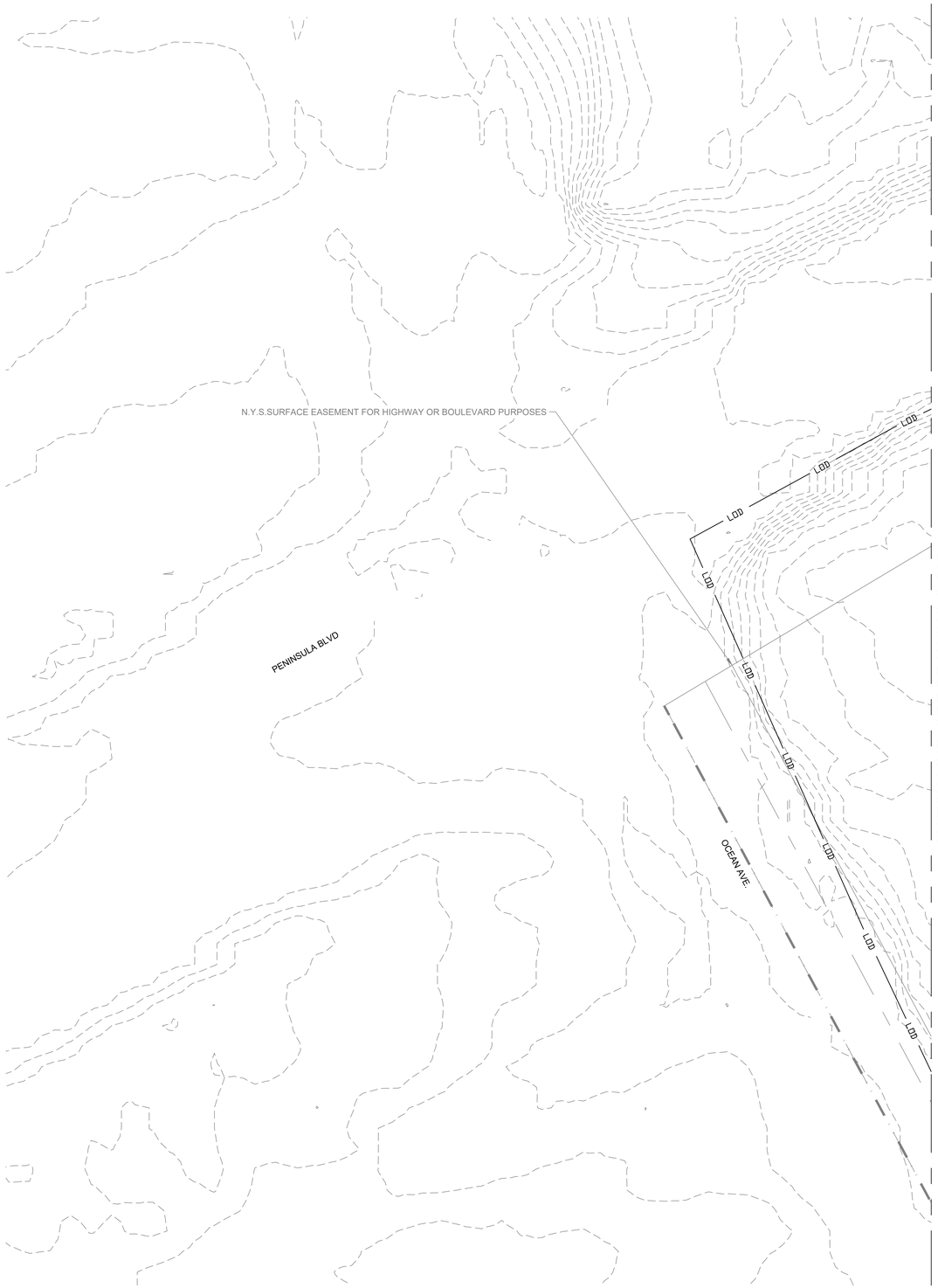
Drawing Title

SOIL EROSION
AND SEDIMENT
CONTROL PLANS
(7 OF 8)

Drawing Number C-607

Sheet 39 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C501 SESC Plan.dwg Jul 27, 2020



N

LEGEND:

- STABILIZED CONSTRUCTION ACCESS
- LOD — LIMIT OF DISTURBANCE
- SF — SF — SF — SILT FENCE
- ORANGE CONSTRUCTION FENCE
- TURBIDITY BARRIER
- COFFERDAM
- HAY BALE
- INLET FILTER
- (P) PUMP
- PUMP HOSE
- FB — FILTER BAG
- CONSTRUCTION ACCESS ROUTE

NOTES:

1. FOR SOIL EROSION AND SEDIMENT CONTROL NOTES & DETAILS, SEE SHEETS C-701-C-702.
2. TEMPORARY STOCKPILE AREAS ARE SCHEMATIC AND MAY BE MODIFIED WITH ENGINEER APPROVAL.
3. TEMPORARY VEGETATION STOCKPILES FOR OFFSITE DISPOSAL SHALL BE PLACED ON TEMPORARY GEOTEXTILE MATTING.
4. ACCESS TO WORK AREAS ARE AT THE CONTRACTOR'S DISCRETION WITH THE APPROVAL OF THE ENGINEER. CONSTRUCTION ACCESS ROUTES MAY BE MODIFIED WITH APPROVAL OF THE ENGINEER. ANY AREA DISTURBED OR DAMAGED BY THE CONTRACTOR OUTSIDE OF THE LIMIT OF DISTURBANCE SHOWN SHALL BE RESTORED TO EXISTING CONDITIONS, TO THE SATISFACTION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
5. BASEFLOW RATE OBSERVATIONS USED FOR DESIGN AT THE SITE HAVE BEEN IDENTIFIED AS .95 TO 20 CUBIC FEET PER SECOND BY THE USGS STREAM GAGE 01311000 BASED ON 30-YEAR PERIOD OF RECORD. FLOW RATES FOR DEWATERING SHALL BE VERIFIED BY THE CONTRACTOR BASED ON THEIR MEANS AND METHODS OF DEWATERING MEASURES AND PUMPS SIZED ACCORDINGLY. USE OF THESE RATES ARE IN NO WAY OR FORM GUARANTEED FOR DEWATERING METHODS. THE CONTRACTOR SHALL SIZE THE SYSTEM TO NOT EXCEED 45 GPM FROM A SINGLE SOURCE WELL AND BASE ON FIELD MEASURED FLOWS. THE CONTRACTOR SHALL NOT HOLD THE ENGINEER (WSP), GOSR, OR VILLAGE OF ROCKVILLE CENTRE LIABLE FOR THE FAILURE OF SYSTEMS, DAMAGE OR TIME DELAY BY USING THESE RATES TO SIZE DEWATERING CONTROLS.
6. ALL PUMPING PERFORMED FOR DEWATERING MEASURES SHALL BE DIRECTED THROUGH PROPER FILTRATION CONTROL MEASURES (TANK OR FILTER BAG). SEE C-702 FOR MORE DETAIL.

0 30 60
SCALE: 1"= 30'

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

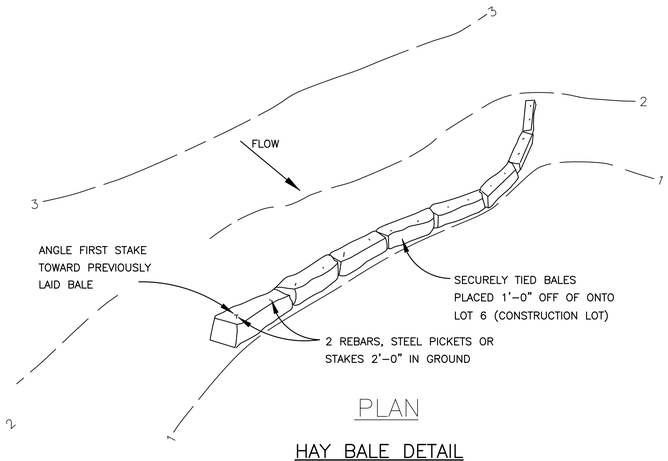
Drawing Title

SOIL EROSION
AND SEDIMENT
CONTROL PLANS
(8 OF 8)

Drawing Number C-608

Sheet 40 of 93

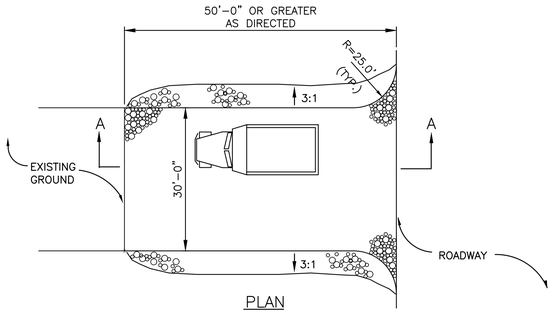
LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C501 SESC Plan.dwg Jul 27, 2020



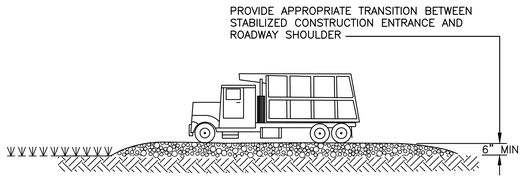
PLAN

HAY BALE DETAIL

N.T.S.



PLAN



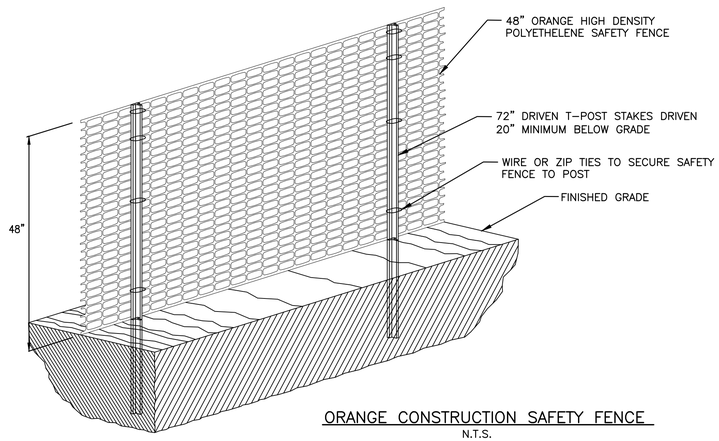
SECTION A–A

PERCENT SLOPE OF ROADWAY	LENGTH OF STONE REQUIRED	
	COURSE GRAINED SOILS	FINE GRAINED SOILS
0 TO 2%	50 FT	100 FT
2 TO 5%	100 FT	200 FT
> 5%	ENTIRE SURFACE STABILIZED WITH FABC BASE COURSE	

NOTE:
MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. AT THE END OF EACH CONSTRUCTION DAY ALL SEDIMENT DEPOSIT ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE.

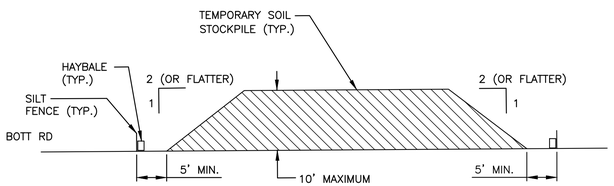
STABILIZED CONSTRUCTION ENTRANCE

N.T.S.



ORANGE CONSTRUCTION SAFETY FENCE

N.T.S.



NOTES:

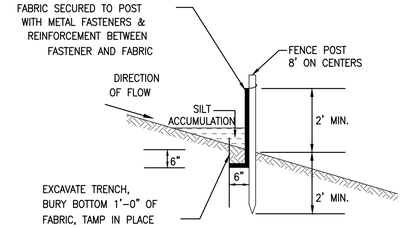
TEMPORARY STOCKPILES OF VEGETATION FOR OFFSITE DESPOSAL SHALL BE PLACED ON TEMPORARY GEOTEXTILE MATTING.

TEMPORARY SOIL STOCKPILE

N.T.S.

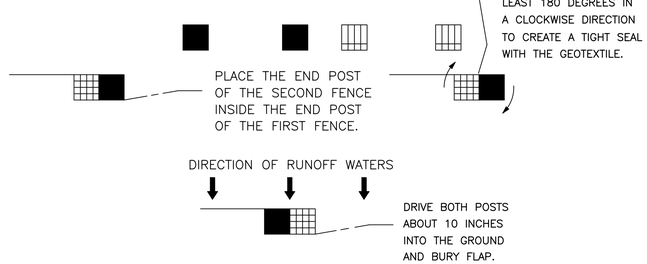
SOIL EROSION AND SEDIMENT CONTROL NOTES

1. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED IN ACCORDANCE WITH THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, LAST UPDATED NOVEMBER 2016, AND WILL BE IN PLACE PRIOR TO ANY MAJOR SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
2. ALL SOIL EROSION AND SEDIMENT CONTROL (SESC) PRACTICES WILL BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
3. PERMANENT VEGETATION WILL BE ESTABLISHED ON ALL EXPOSED AREAS WITHIN 10 DAYS AFTER FINAL GRADING.
4. SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY, THE SITE WILL BE SPRINKLED UNTIL THE SURFACE IS WET, IN ACCORDANCE WITH THE STATE STANDARDS FOR EROSION AND SEDMENT CONTROL.
5. ALL SOIL WASHED, DROPPED, SPILLED OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE, LIMIT OF PROJECT AREA OR ONTO PUBLIC RIGHT-OF-WAYS WILL BE REMOVED IMMEDIATELY.
6. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFFSITE AS A RESULT OF THE CONSTRUCTION OF THE PROJECT.



SILT FENCE

N.T.S.



ATTACHING TWO SILT FENCES

N.T.S.

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND REHABILITATION PROJECT (PROJECT L)

VILLAGE OF ROCKVILLE CENTRE, LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

SOIL EROSION AND SEDIMENT CONTROL DETAILS (1 OF 2)

Drawing Number C-701

Sheet 41 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C507 SESC Details.dwg Jul 27, 2020

APPLICATION NOTES:

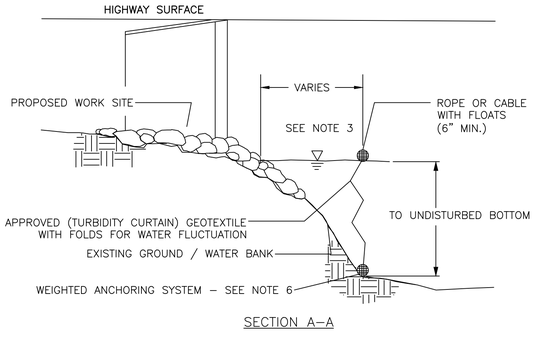
A. THE PURPOSE OF A TURBIDITY CURTAIN IS TO SEPARATE WORK AREAS IN OR ADJACENT TO WATERWAYS, TO PREVENT TURBIDITY FROM ENTERING THE WATERWAY.

B. TURBIDITY CURTAIN SHALL NOT BE PLACED ACROSS A FLOWING WATERWAY.

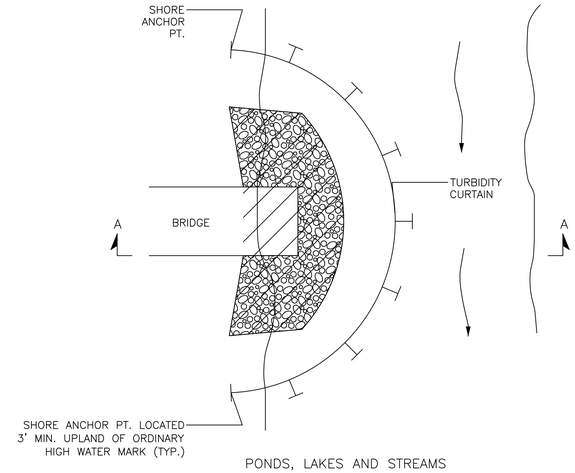
C. CONCENTRATED FLOW OUTLETS SUCH AS CULVERT OUTLETS, DITCHES, ETC. SHALL NOT BE LOCATED BEHIND TURBIDITY CURTAIN.

GENERAL NOTES:

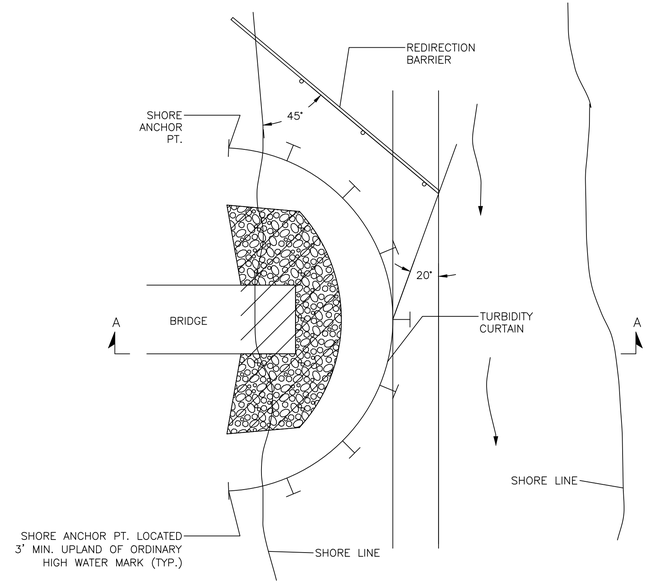
1. THE DETAIL DEPICTS WORK AT A BRIDGE LOCATION, BUT TURBIDITY CURTAIN MAY BE APPLIED AT OTHER LOCATIONS.
2. TURBIDITY CURTAIN SHALL BE A MAXIMUM OF 100' LONG FOR EACH SECTION OF CURTAIN REQUIRED. END SECTIONS SHALL TERMINATE 10' BEYOND THE LIMIT OF DISTURBANCE.
3. THE TURBIDITY CURTAIN SHALL BE PLACED AS CLOSE TO THE WORK AS POSSIBLE WITHOUT INTERFERING WITH CONSTRUCTION OPERATIONS.
4. THE CONTRACTOR SHALL CONTINUALLY MONITOR THE INSTALLATION, TAKING INTO ACCOUNT WEATHER PATTERNS AND PREVAILING WIND DIRECTIONS THAT MAY AFFECT WATER LEVELS, VELOCITY AND MOVEMENT OF THE TURBIDITY CURTAIN.
5. THE TURBIDITY CURTAIN SHALL BE REMOVED BY PULLING TOWARD THE SHORE TO MINIMIZE ESCAPE OF SEDIMENTS INTO THE WATERWAY.
6. THE WEIGHTED ANCHOR SYSTEM SHALL BE A TYPE THAT ALLOWS THE CURTAIN TO CONFORM TO THE CONTOUR OF THE BOTTOM ON THE WATERWAY.
7. FOR FLOW VELOCITIES > 5 FT/SEC, USE A REDIRECTION BARRIER SUCH THAT FLOW EXPANDING AT 20° FROM THE BARRIER WILL REACH THE CURTAIN AT A POINT WHERE THE CURTAIN IS ESSENTIALLY PARALLEL TO STREAM FLOW.
8. THE REDIRECTION BARRIER MAY CONSIST OF CONCRETE BARRIER, PLANKING OR OTHER MATERIAL SUCH THAT IT CAN BE QUICKLY REMOVED OR WASHED OUT IN THE EVENT OF HIGH FLOWS. IT SHOULD NOT BE SUCH THAT IT WILL REMAIN IN PLACE AND BE OVERTOPPED.



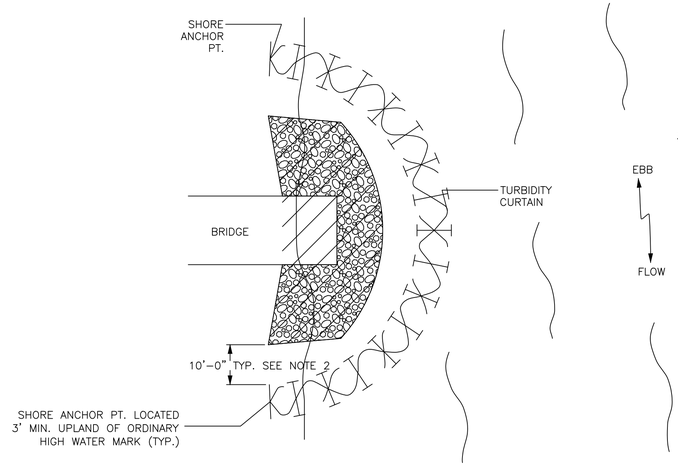
SECTION A–A



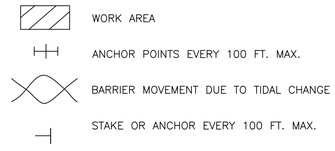
PONDS, LAKES AND STREAMS
FLOW VELOCITY I 5 FT/S



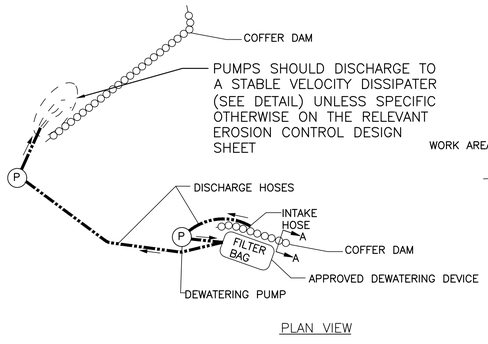
STREAMS, FLOW VELOCITY
> 5 FT/S



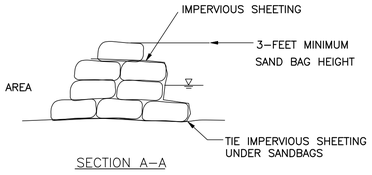
PLAN
TIDAL WATERS
AND/OR HEAVY WIND AND WAVE ACTION



TYPICAL TURBIDITY CURTAIN LAYOUTS
N.T.S.

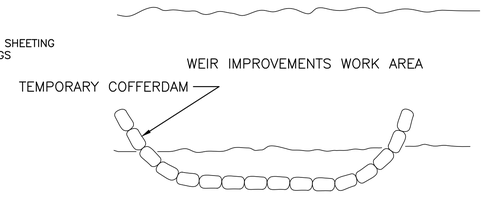


PLAN VIEW

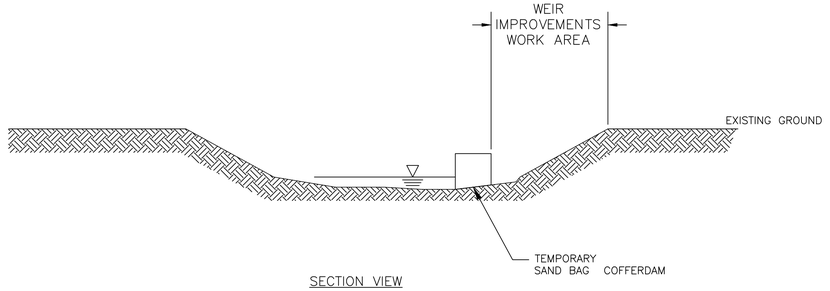


SECTION A–A

PUMP AROUND FOR WEIR DETAIL
N.T.S.



PLAN VIEW



SECTION VIEW

TEMPORARY SAND BAG COFFERDAM DIVERSION

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

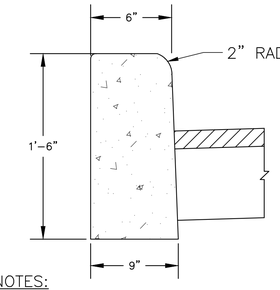
Drawing Title

SOIL EROSION AND SEDIMENT CONTROL DETAILS (2 OF 2)

Drawing Number C-702

Sheet 42 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-C507 SESC Details.dwg Jul 27, 2020

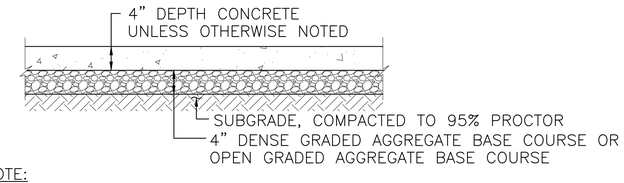


NOTES:

1. CONCRETE TO HAVE 28 DAY COMPRESSIVE STRENGTH OF 4,500 PSI (CLASS A).
2. ALL EXTERIOR CONCRETE TO BE AIR-ENTRAINED.
3. EXPANSION JOINTS 1/2" WIDE SHALL BE INSTALLED IN THE CURBS AT LEAST EVERY 10 FT. APART AND FILLED WITH CELLULAR COMPRESSION MATERIAL AND RECESSED 1/4" FROM FACE AND TOP OF CURB.

CONCRETE CURB DETAIL

N.T.S.

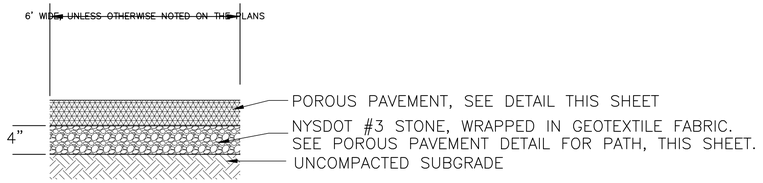


NOTE:

THE LAYOUT OF EXPANSION AND SCORED JOINTS IN THE SIDEWALK AREA SHALL BE EVERY 5 FEET.

CONCRETE SIDEWALK DETAIL

N.T.S.

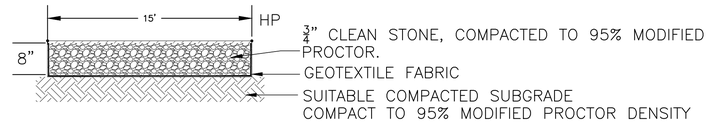


NOTES:

1. ALL AREAS ADJACENT TO ASPHALT PATH SHALL BE FINE GRADED, TOPSOILED, AND STABILIZED TO THE SATISFACTION OF THE ENGINEER.
2. EXCAVATE TOPSOIL BENEATH PATH AND REPLACE WITH PROPOSED SECTION. TOPSOIL TO BE SPREAD AND LEVELED WITHIN THE LIMIT OF DISTURBANCE.
3. SEE POROUS PAVEMENT PATH DETAIL THIS SHEET FOR ADDITIONAL INFORMATION.
4. PATH CROSS SLOPE SHALL BE SLOPED DOWNWARD TOWARDS THE POND, UNLESS OTHERWISE NOTED ON THE PLANS.

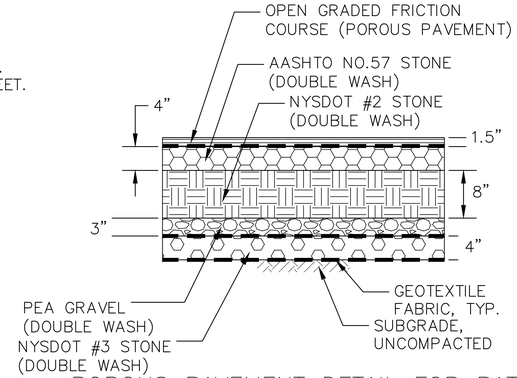
PATH DETAIL

N.T.S.



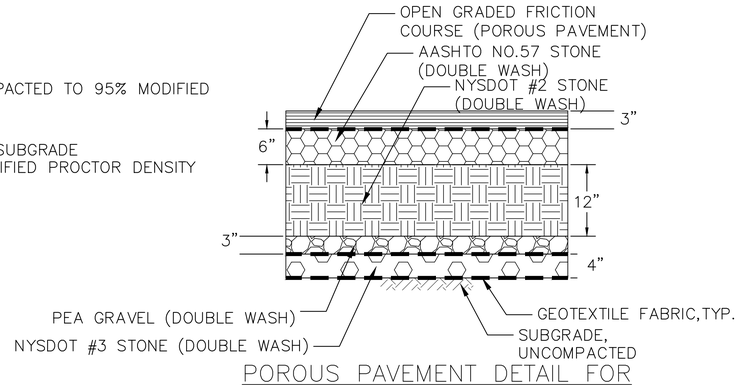
GRAVEL ACCESS ROAD DETAIL

N.T.S.



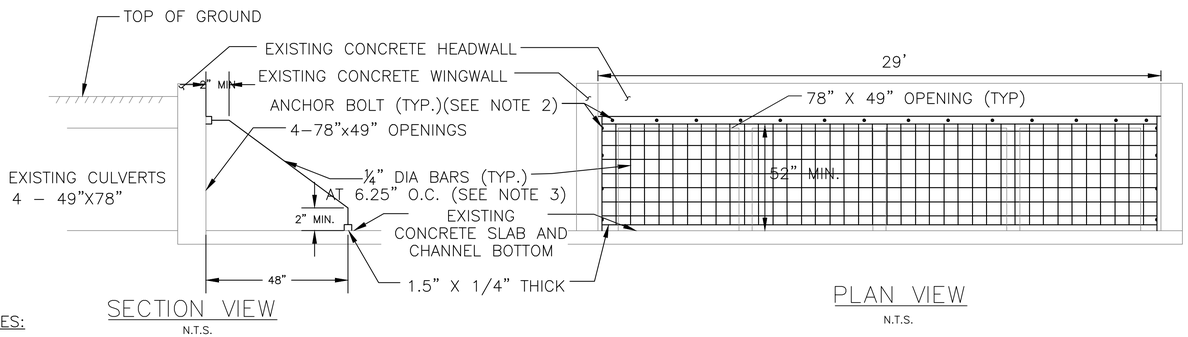
POROUS PAVEMENT DETAIL FOR PATH

N.T.S.



POROUS PAVEMENT DETAIL FOR PARKING LOT

N.T.S.



SECTION VIEW

N.T.S.

PLAN VIEW

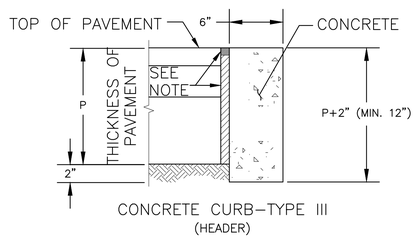
N.T.S.

NOTES:

1. TRASH RACK SHALL BE OF ALUMINUM.
2. TRASH RACK SHALL BE ATTACHED TO CONCRETE HEADWALL WITH ⅜" DIA. ANCHOR BOLTS. ANCHOR BOLTS SHALL BE SPACED AT 12" ON CENTER MAXIMUM AROUND PERIMETER OF TRASH RACK. ANCHOR BOLTS SHALL BE OF HOT DIPPED GALVANIZED STEEL.
3. TRASH RACK BARS SHALL BE PATTERNED WITH A MINIMUM SPACING OF 6 INCHES x 6 INCHES.
4. CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL A FULL SHOP DRAWING PACKAGE OF TRASH RACK INCLUDING ANCHOR BOLTS.

DETAIL OF TRASH RACK FOR 49" X 78" CULVERTS

N.T.S.



CONCRETE CURB-TYPE III
(HEADER)

NOTE:

1. PROVIDE ½" x ½" JOINT SEALANT AND ½" PREMOLDED JOINT FILLER WHEN CONCRETE CURB IS PLACED AGAINST RIGID PAVEMENT

DEPRESSED CURB DETAIL

N.T.S.

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

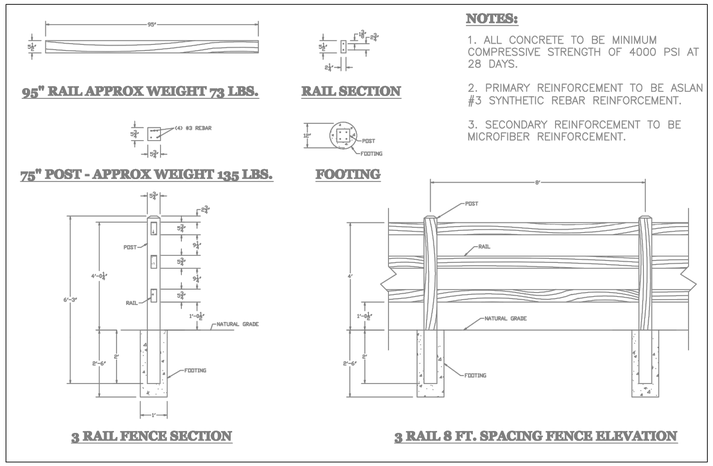
Drawing Title

CONSTRUCTION
DETAILS (1 OF 5)

Drawing Number CD-101

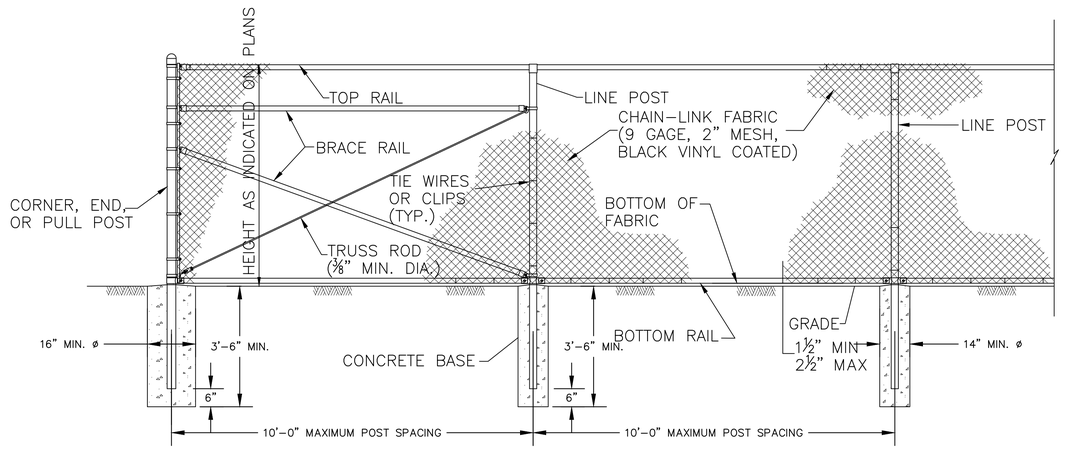
Sheet 43 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-CD101 Construction Details.dwg Jul 27, 2020



SPLIT RAIL FENCE DETAIL

N.T.S.



CHAIN LINK FENCE DETAIL

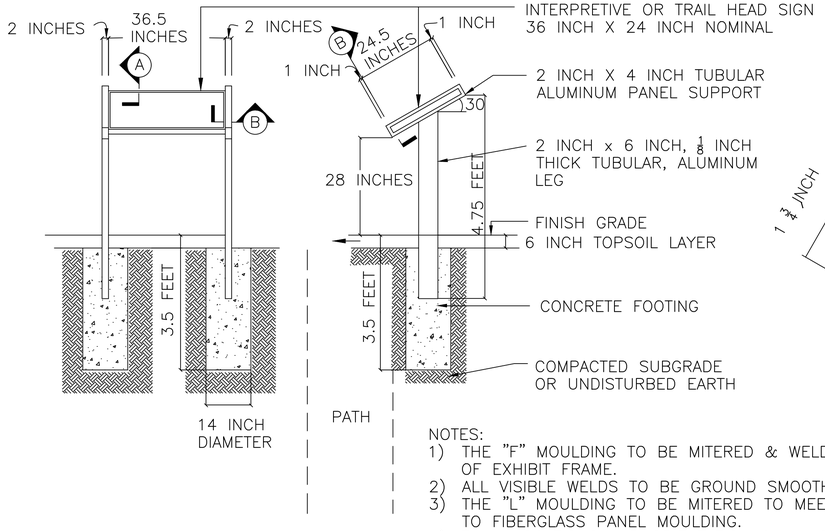
N.T.S.

POST SCHEDULE

POST TYPE	DIAMETER (INCHES) ACTUAL O.D.	WEIGHT (LB./FT)
CORNER, END GATE OR PULL POSTS	4.0	6.56
LINE POSTS	3.5	5.71
TOP, BOTTOM OR BRACE RAILS	1.625	1.84

NOTES:

1. CHAIN–LINK FENCE FABRIC, POSTS, RAILS, TIES, BANDS, BARS, RODS, AND OTHER FITTINGS AND HARDWARE SHALL CONFORM TO AASHTO M 181 FOR TYPES, GRADES AND CLASSES, AND AS NOTED.
2. A BRACE PANEL SHALL BE PROVIDED FOR EVERY 200 FEET OF CONTINUOUS STRAIGHT RUN.
3. CHAIN–LINK FABRIC AND POSTS SHALL BE BLACK VINYL COATED OR PAINTED PER SPECIFICATIONS. PAINT TO BE MARINE GRADE PAINT.
4. FENCE COMPONENTS SHALL NOT UTILIZE ALUMINUM FOR ANY PURPOSE.
5. COMPLY WITH CLFMI'S PRODUCT MANUAL.
6. SUBMIT SHOP DRAWING TO ENGINEER FOR APPROVAL.

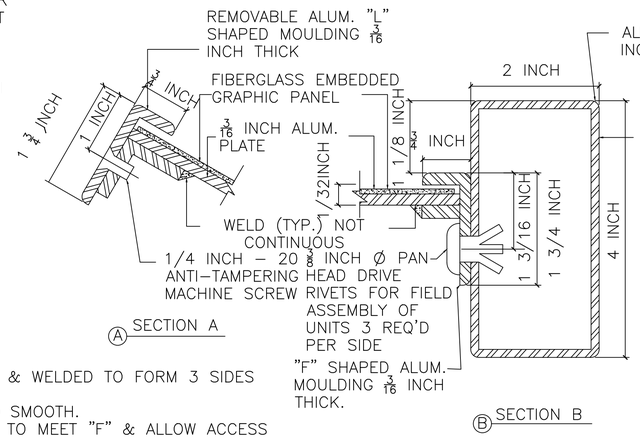


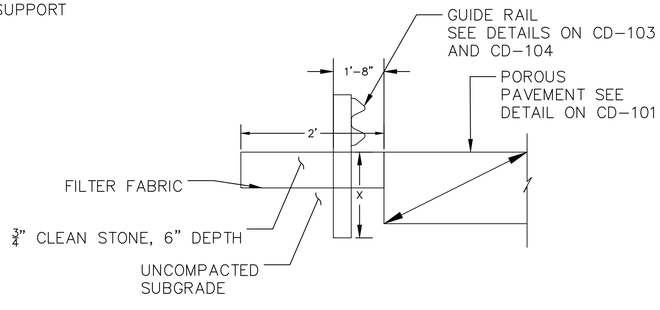
NOTES:

1) THE "F" MOULDING TO BE MITERED & WELDED TO FORM 3 SIDES OF EXHIBIT FRAME.
2) ALL VISIBLE WELDS TO BE GROUND SMOOTH.
3) THE "L" MOULDING TO BE MITERED TO MEET "F" & ALLOW ACCESS TO FIBERGLASS PANEL MOULDING.
4) FINAL LOCATIONS AND ORIENTATION SHALL BE INSTALLED WITH THE 36.5" PANEL FACING THE TRAIL AND/OR AS DIRECTED BY THE ENGINEER AND/OR VILLAGE DURING CONSTRUCTION.
5) SIGN BASE FINISH AND SIGN CONTENT SHALL BE COORDINATED WITH THE VILLAGE FOR EACH SIGN.

INTERPRETIVE SIGN BASES

N.T.S.





STONE EDGE AND GUARD RAIL DETAIL

N.T.S.

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

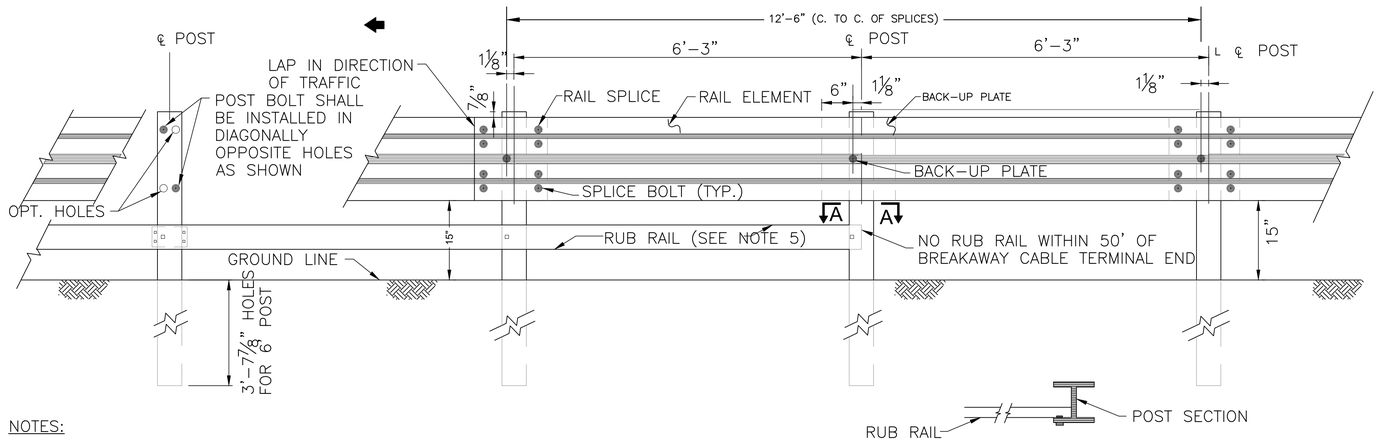
Drawing Title

CONSTRUCTION DETAILS (2 OF 5)

Drawing Number CD-102

Sheet 44 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-CD101 Construction Details.dwg Jul 27, 2020



W-BEAM GUIDE RAIL

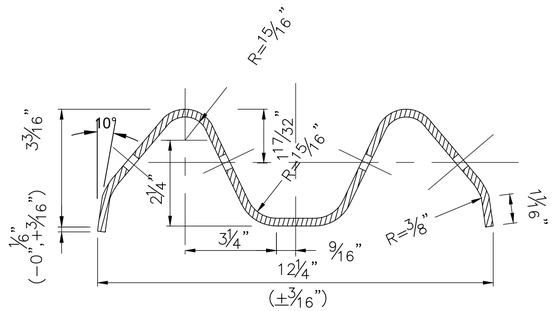
N.T.S.

SECTION A-A

N.T.S.

NOTES:

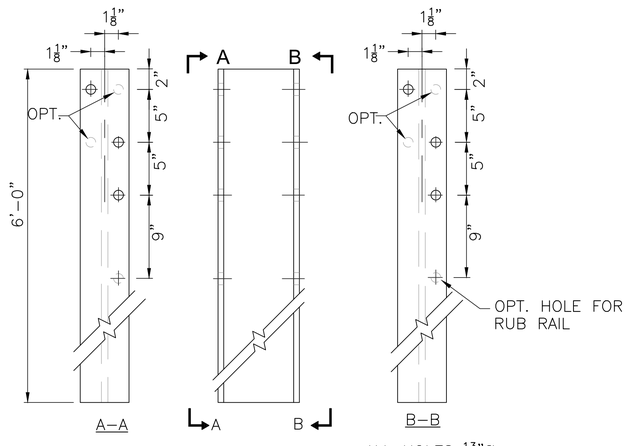
1. SEE SITE PLAN SHEETS C-301 TO C-305 FOR LOCATION OF GUIDE RAILS.
2. ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
3. RAIL ELEMENTS SHALL BE FURNISHED SHOPCURVED, CONCAVE OR CONVEX, FOR RADII LESS THAN 150 FEET.
4. GUIDE RAILS SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 34711.26.
5. WHEN GUIDE RAIL IS INSTALLED ON NON-MOUNTABLE CURB, RUB RAIL IS REQUIRED.



W-BEAM RAIL ELEMENT

N.T.S

RAIL ELEMENTS SHALL BE SUPPLIED IN LENGTHS OF 13'-6½" OR 26'-½ "

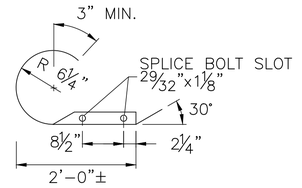


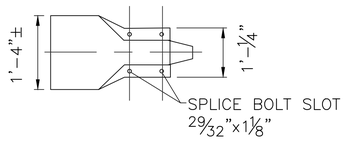
ALL HOLES $\frac{13}{16}$"Ø

6' POST

N.T.S

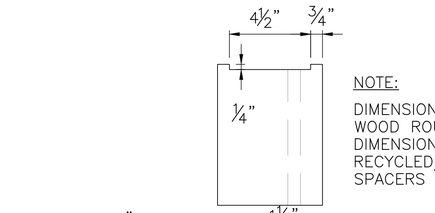
6"x4" STEEL, 8.5# OR 9#





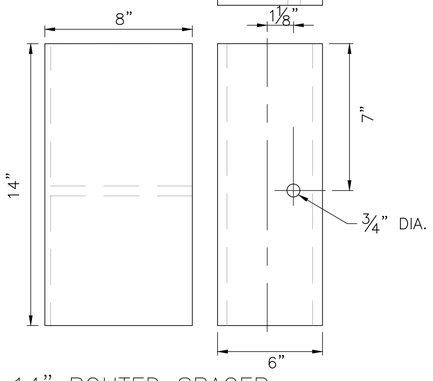
W-BEAM END SECTION (ROUNDED)

N.T.S



NOTE:

DIMENSIONS SHOWN ARE FOR WOOD ROUTED SPACERS. DIMENSIONS FOR RECYCLED/SYNTHETIC SPACERS MAY VARY.



14" ROUTED SPACER

N.T.S

6"X8" WOOD/PLASTIC

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

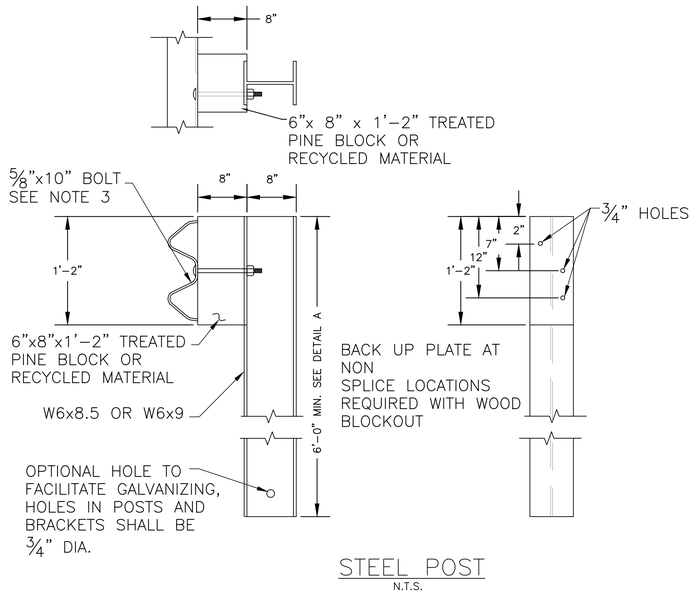
Drawing Title

CONSTRUCTION DETAILS (3 OF 5)

Drawing Number CD-103

Sheet 45 of 93

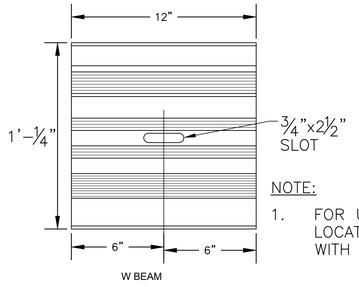
LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-CD101 Construction Details.dwg Jul 27, 2020



STEEL POST
N.T.S.

NOTES:

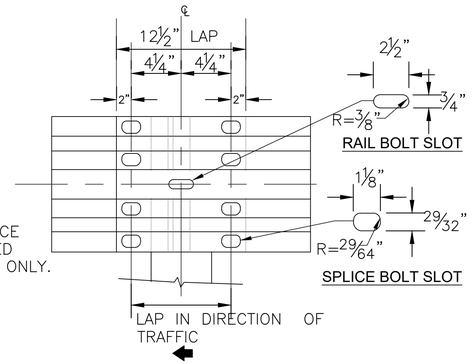
1. ALL BOLTS, NUTS, WASHERS, AND OTHER STEEL ITEMS SHALL BE GALVANIZED.
2. DRIVE NAIL WITHIN 2" OF THE TOP OF BOTTOM OF BLOCKOUT AFTER $\frac{5}{8}$" X 18" BOLT IS INSTALLED.
3. STANDARD WASHER SHALL BE USED ON LAST 50' OF RUN OF END ONLY.



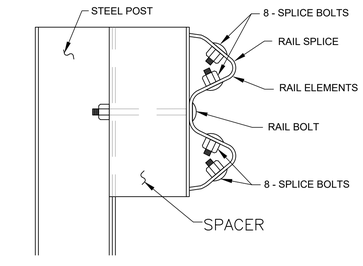
NOTE:

1. FOR USE AT NON SPLICE LOCATIONS. TO BE USED WITH WOOD BLOCKOUT ONLY.

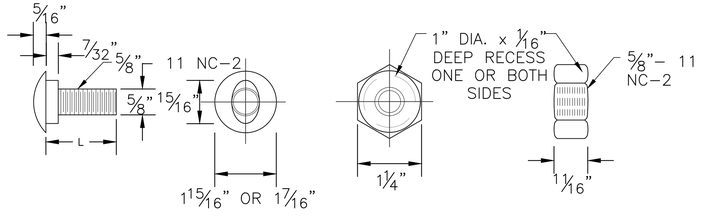
BACK-UP PLATE
N.T.S.



DETAIL OF RAIL SPLICE JOINT
N.T.S.



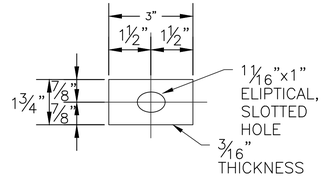
DETAIL OF RAIL POST ASSEMBLY
N.T.S.



DETAIL OF BUTTON HEAD BOLT AND RECESS NUT
N.T.S.

TYPE	L	THREAD LENGTH
SPLICE BOLT	1 1/4"	FULL LENGTH
STEEL POST BOLT	9 1/2"	1 3/4"

STANDARD GUIDE RAIL HARDWARE
N.T.S.



DETAIL OF STANDARD WASHER
N.T.S.

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

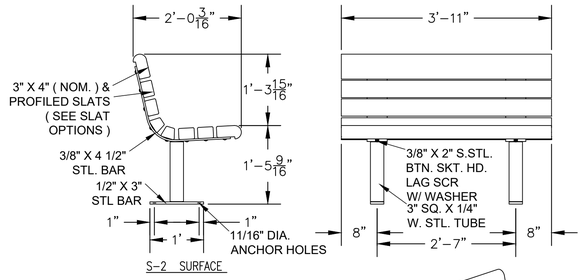
Drawing Title

CONSTRUCTION DETAILS (4 OF 5)

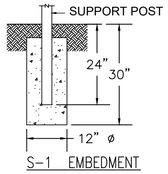
Drawing Number CD-104

Sheet 46 of 93

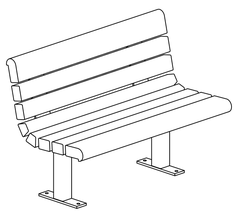
LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-CD101 Construction Details.dwg Jul 27, 2020

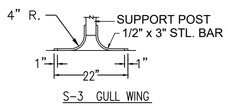


S-2 SURFACE

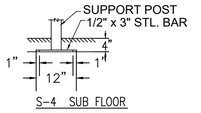


S-1 EMBEDMENT





S-3 GULL WING



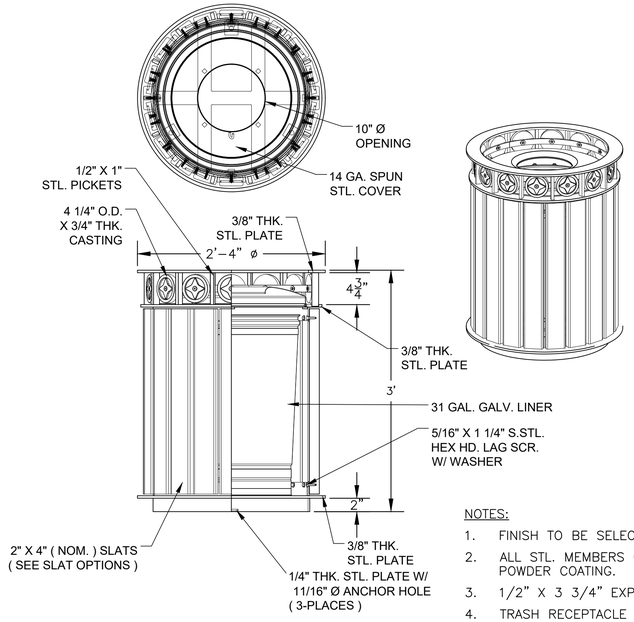
S-4 SUB FLOOR

NOTES:

1. FINISH TO BE SELECTED BY VILLAGE PRIOR TO PURCHASE.
2. ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
3. 1/2" X 3 3/4" EXPANSION ANCHOR BOLTS PROVIDED FOR OPTIONS S-2, S-3, & S-4.
4. USE DUMOR MANUFACTOR BENCH 88-40PL OR APPROVED EQUAL.

DETAIL OF BENCH

N.T.S.

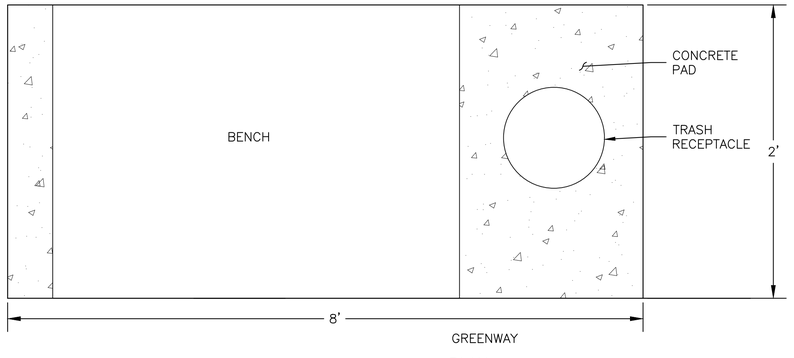


NOTES:

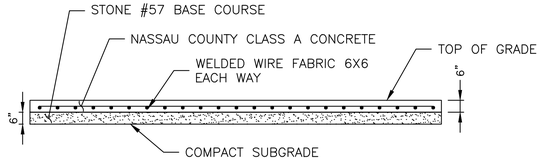
1. FINISH TO BE SELECTED BY VILLAGE PRIOR TO PURCHASE.
2. ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
3. 1/2" X 3 3/4" EXPANSION ANCHOR BOLTS PROVIDED.
4. TRASH RECEPTACLE FULLY ASSEMBLED AT FACTORY.
4. USE DUMOR MANUFACTOR TRASH RECEPTACLE 152-31I AND COVER BT OR APPROVED EQUAL.

DETAIL OF TRASH RECEPTACLE AND COVER

N.T.S.



PLAN
N.T.S.



CONCRETE PAD SECTION
N.T.S.

NOTE:

1. BENCHES AND TRASH RECEPTACLES SHALL BE ANCHORED PER MANUFACTURER'S RECOMMENDATIONS.

DETAIL OF CONCRETE PAD

N.T.S.

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

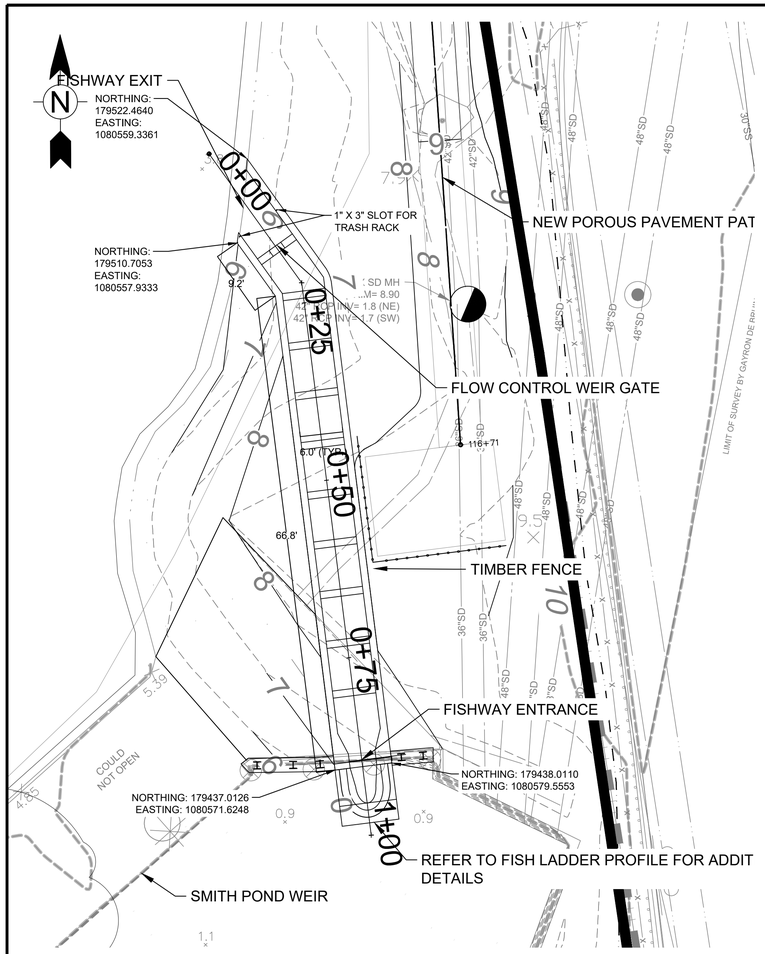
Drawing Title

CONSTRUCTION DETAILS (5 OF 5)

Drawing Number CD-105

Sheet 47 of 93

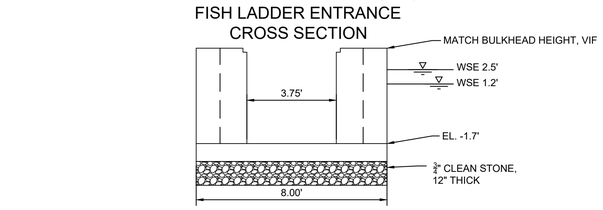
LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-CD101 Construction Details.dwg Jul 27, 2020

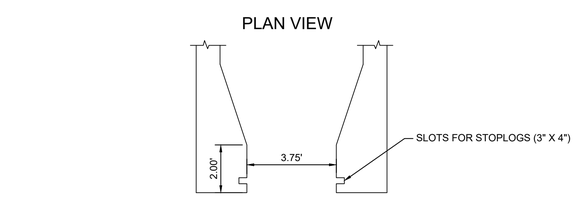


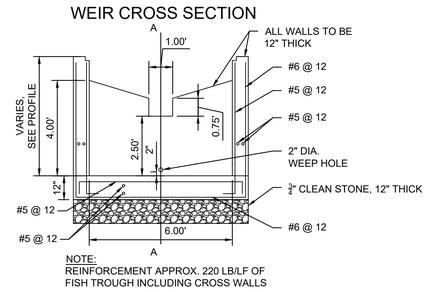
PLAN VIEW OF FISH LADDER

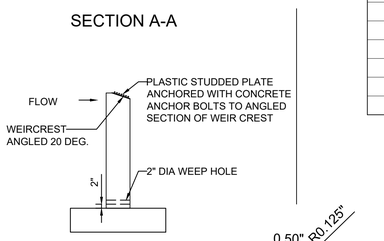
0 10 20

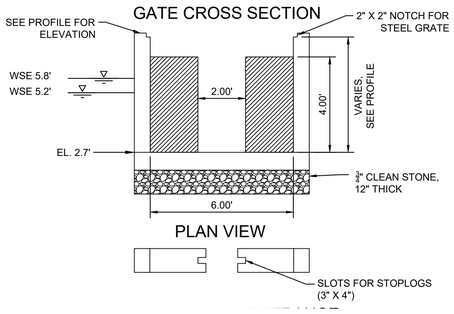
SCALE: 1" = 10'

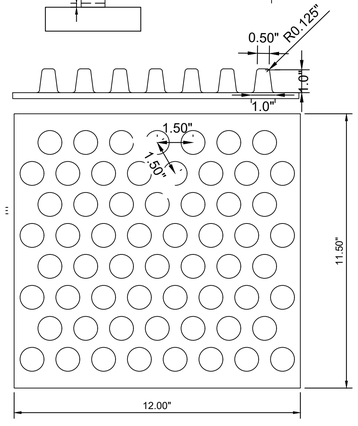




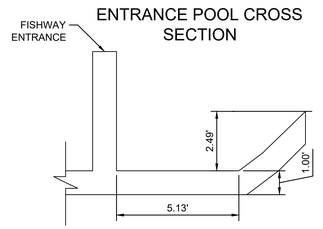








WEIR STUD PLATE



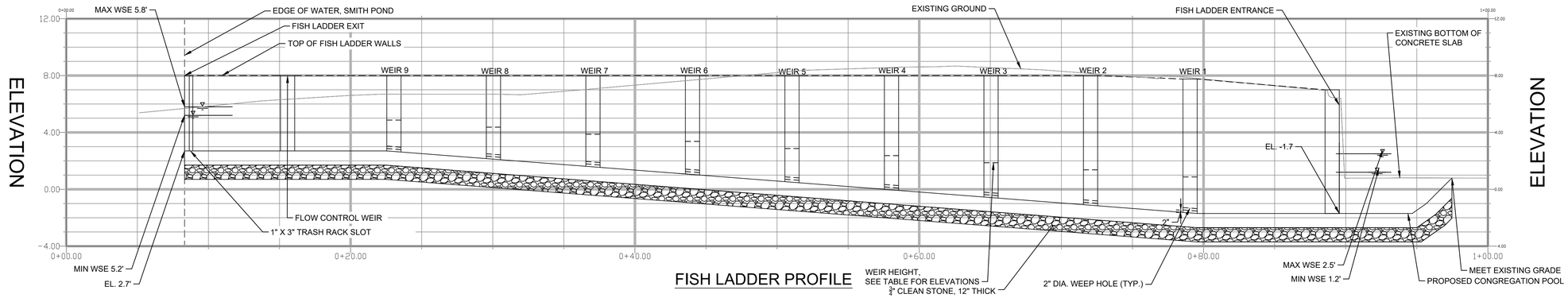
WEIR ELEVATIONS	
WEIR	WEIR CREST ELEVATION (FEET)
1	0.87
2	1.37
3	1.87
4	2.37
5	2.87
6	3.37
7	3.87
8	4.37
9	4.87

FISH LADDER DETAILS

SCALE: 1" = 3'

NOTES:

1. TOP OF WEIRS WILL BE SLOPED DOWNWARD AT A 20-DEGREE ANGLE AND COVERED WITH THE WEIR STUD PLATE TO PROVIDE UPSTREAM EEL PASSAGE.
2. THE FLOOR OF EACH POOL BETWEEN THE WEIRS WILL BE COVERED WITH A 2-INCH LAYER OF NO. 57 STONE STONE TO ALLOW UPSTREAM EEL PASSAGE.
3. DIMENSIONS OF EXIT AND ENTRANCE CHANNELS WILL DEPEND ON SITE SURVEYS AND ACTUAL LOCATION OF SHORELINE.
4. THE BOTTOM OF EACH WEIR WILL HAVE A 2-INCH "WEEP HOLE" PLACED 2-INCHES ABOVE THE STRUCTURE FLOOR TO ALLOW POOLS TO BE DRAINED.
5. THE FISH LADDER EXIT WILL BE EQUIPPED WITH A COARSE TRASHRACK.
6. THE FISH LADDER CONCRETE SLAB AND WALLS WILL BE STRUCTURAL REINFORCED WITH #5 REBAR AT 12-INCH ON CENTER FOR INTERIOR FACES AND #6 REBAR AT 12-INCH ON CENTER FOR OUTER FACES.
7. STANDARD 2" STEEL GRATE WILL BE ADDED TO TOP OF STRUCTURE.



FISH LADDER PROFILE

VERTICAL SCALE: 0 4 8

SCALE: 1" = 4'

HORIZONTAL SCALE: 0 4 8

SCALE: 1" = 4'

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

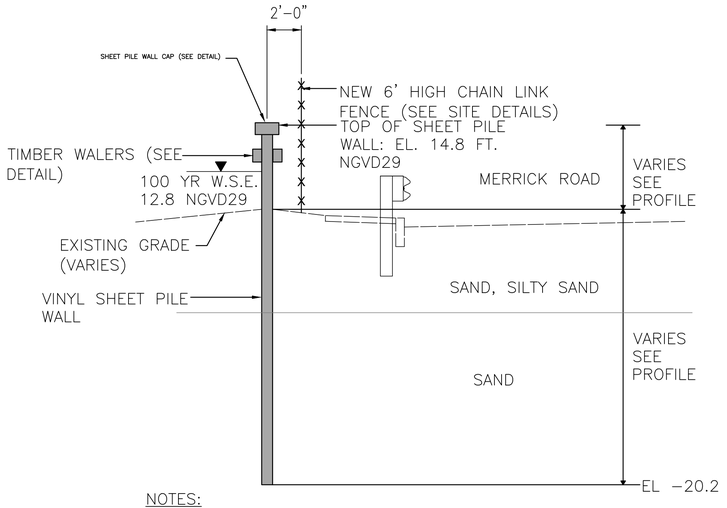
Drawing Title

FISH LADDER PLAN AND DETAILS

Drawing Number CD-201

Sheet 48 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-CD201 Fish Ladder Details.dwg Jul 27, 2020

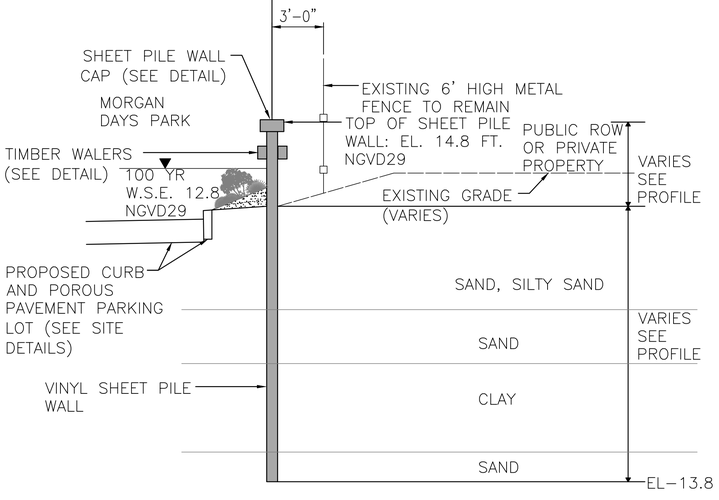


NOTES:

1. REFER TO FLOOD WALL PROFILE SHEETS PR-101 TO PR-104 FOR DETAILED INFORMATION ON HEIGHT OF SHEET PILING ABOVE EXISTING GRADE.
2. REFER TO GEOTECHNICAL REPORT FOR DETAILED INFORMATION ON EXISTING SUBGRADE AND STRATUM.
3. BORING LOG INFORMATION PROVIDED ON SHEETS BL-101 TO BL-106.

VINYL SHEET PILE WALL – WEST FLOOD WALL TYPICAL CROSS SECTION

N.T.S

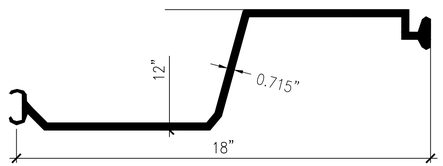


NOTES:

1. REFER TO FLOOD WALL PROFILE SHEETS PR-101 TO PR-104 FOR DETAILED INFORMATION ON HEIGHT OF SHEET PILING ABOVE EXISTING GRADE.
2. REFER TO GEOTECHNICAL REPORT FOR DETAILED INFORMATION ON EXISTING SUBGRADE AND STRATUM.
3. BORING LOG INFORMATION PROVIDED ON SHEETS BL-101 TO BL-106.

VINYL SHEET PILE WALL – EAST FLOOD WALL TYPICAL CROSS SECTION

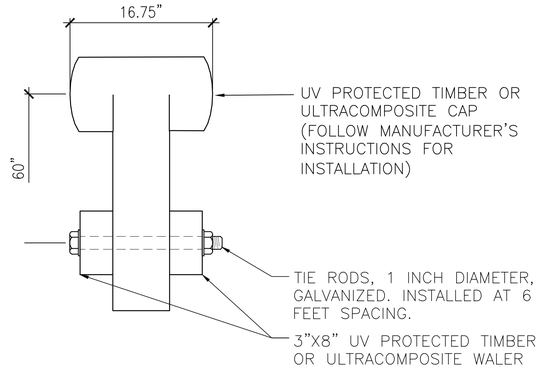
N.T.S



COLOR TO BE BROWN OR APPROVED ALTERNATIVE

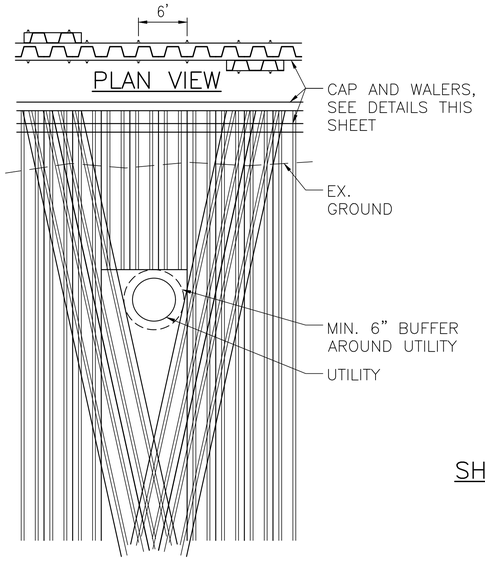
CRANE MATERIALS INTERNATIONAL (CMI), OR EQUIVALENT, SG-950 VINYL SHEET PILE

N.T.S



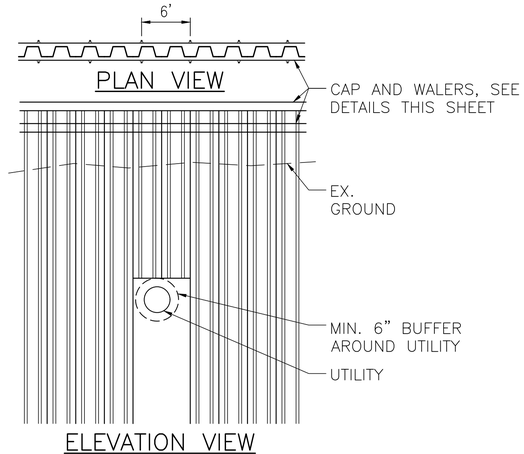
TIMBER WALER AND SHEET PILE WALL CAP TYPICAL CROSS SECTION

N.T.S



ELEVATION VIEW SHEET PILE INSTALLATION WITH UTILITY CROSSING 24" DIA. AND LARGER

N.T.S



ELEVATION VIEW SHEET PILE INSTALLATION WITH UTILITY CROSSING LESS THAN 24" DIA.

N.T.S

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND REHABILITATION PROJECT (PROJECT L)

VILLAGE OF ROCKVILLE CENTRE, LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

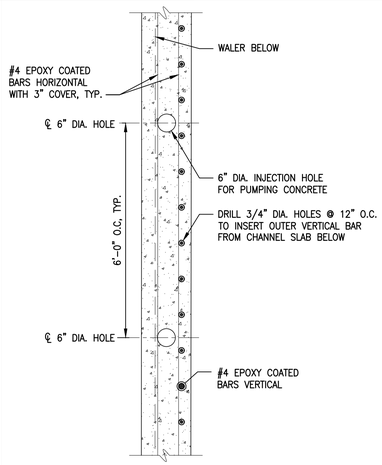
Drawing Title

FLOOD WALL DETAILS

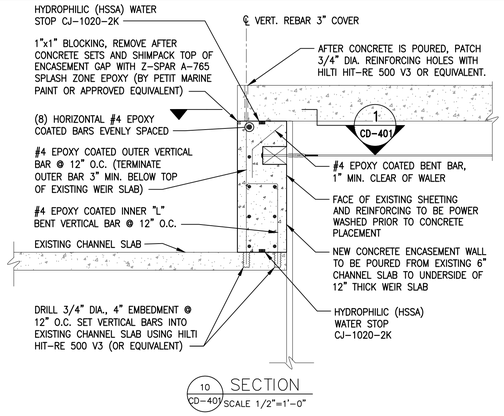
Drawing Number CD-301

Sheet 49 of 93

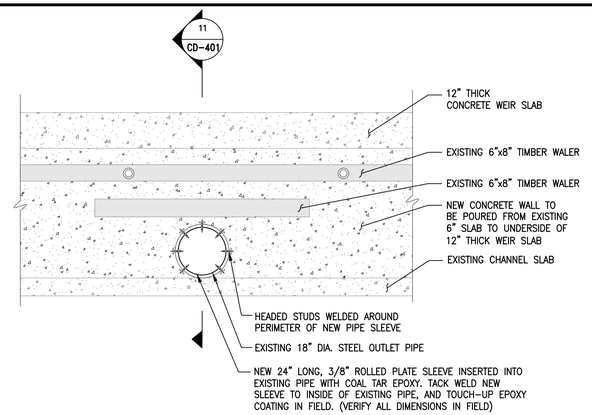
LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-CD301 Floodwall Details.dwg Jul 27, 2020



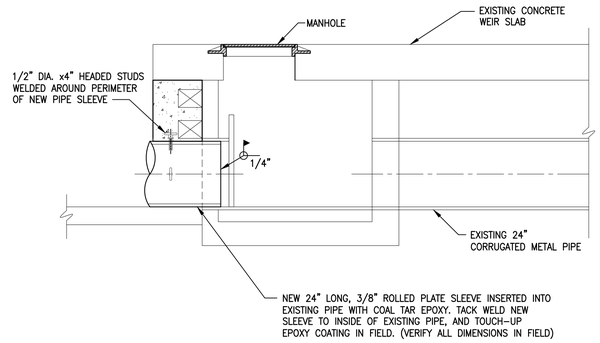
1 CD-401 SECTION (LOOKING DOWN)
SCALE 1/2"=1'-0"



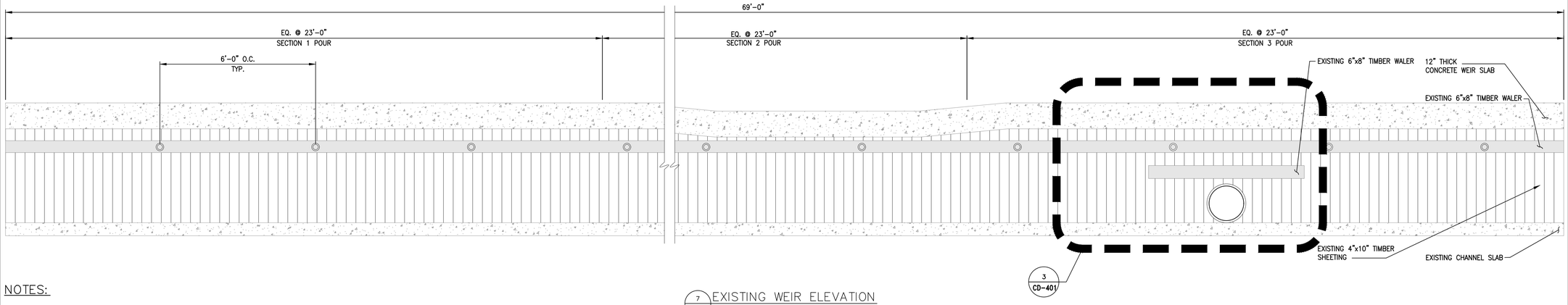
10 CD-401 SECTION
SCALE 1/2"=1'-0"



3 CD-401 DETAIL
SCALE 1/2"=1'-0"



11 CD-401 SECTION
NOT TO SCALE



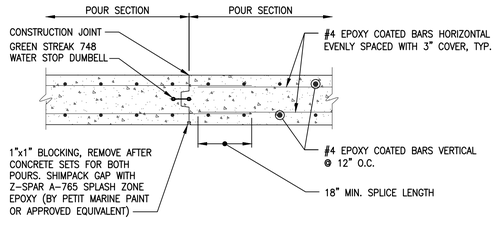
7 CD-401 EXISTING WEIR ELEVATION
SCALE 1/2"=1'-0"

NOTES:

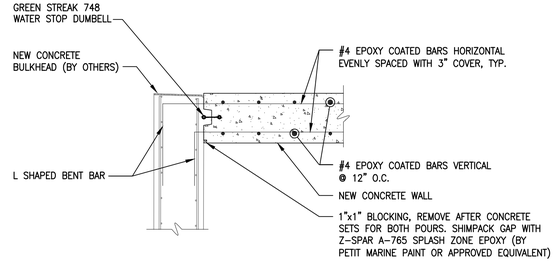
1. WORK SHALL BE DURING LOW TIDE.
2. COORDINATE BYPASS AND DEWATERING CONDITIONS WITH LOW TIDE.

SUGGESTED PROCEDURE:

1. DRILL THROUGH EXISTING TOP CONCRETE CAP SLAB FOR OUTER #6 VERTICAL BARS. DRILL 4" EMBEDMENT INTO EXISTING LOWER CHANNEL SLAB FOR OUTER AND INNER #6 VERTICAL BARS. SET VERTICAL BARS INTO EXISTING CHANNEL SLAB USING HILTI HIT-RE 500 V3 (OR EQUIVALENT). INSTALL HORIZONTAL BARS. DRILL 6" DIA. MIN. INJECTION PORT HOLES IN THE EXISTING TOP CONCRETE SLAB EVERY 6FT ON CENTER, SEE SECTION 1 ON THIS DRAWING.
2. CLEAN ALL EXPOSED REINFORCING AND FACE OF EXISTING TIMBER SHEETING TO REMOVE ALL MARINE GROWTH.
3. FORM FACE OF ENCASEMENT BREAKING THE ENTIRE LENGTH OF THE WEIR INTO 3 DISTINCT PLACEMENT SECTIONS. INSTALL 1"x1" TIMBER BLOCKING AT THE TOP OF THE NEW ENCASEMENT WALL BELOW THE BOTTOM OF THE EXISTING CAP SLAB FOR SHIM PACKING AFTER CONCRETE PLACEMENT (SEE SECTION 10). INSTALL ALL WATER STOPS.
4. START CONCRETE INJECTION AT THE FIRST 6" DIA. INJECTION PORT HOLE IN EACH SECTION AND PLACE AT PRESSURE SO AS NOT TO BLOW OUT BASE FORMWORK AND TO ENSURE AN EVEN AND CONTINUOUS LIFT FROM THE BOTTOM UP IN EACH SECTION. VIBRATE AS NECESSARY TO ENSURE FLUID FLOW AROUND REINFORCING AND FULLY INTO FORMS.
5. ONCE CONCRETE IS NEAR THE BOTTOM OF THE EXISTING TOP CAP SLAB, CONTINUE PUMPING USING EACH ADJACENT INJECTION PORT HOLE UNTIL THE FOLLOWING HOLE EXUDES CONCRETE FROM THE TOP OF THE EXISTING CAP SLAB.
6. UPON COMPLETION OF POUR, PATCH ALL CONCRETE INJECTION HOLES AND REINFORCING HOLES FLUSH WITH EXISTING WIER CAP SLAB WITH HILTI HIT-RE 500 V3 (OR EQUIVALENT).
7. REMOVE FORMWORK AND SHIM PACK TOP OF ENCASEMENT WALL AND VERTICAL JOINTS BETWEEN POUR SECTIONS WITH Z-SPAR A-765 SPLASH ZONE EPOXY (BY PETIT MARINE PAINT OR APPROVED EQUIVALENT).



8 CD-401 TYPICAL CONSTRUCTION JOINT DEATIL
SCALE 1/2"=1'-0"



9 CD-401 DETAIL
SCALE 1/2"=1'-0"

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

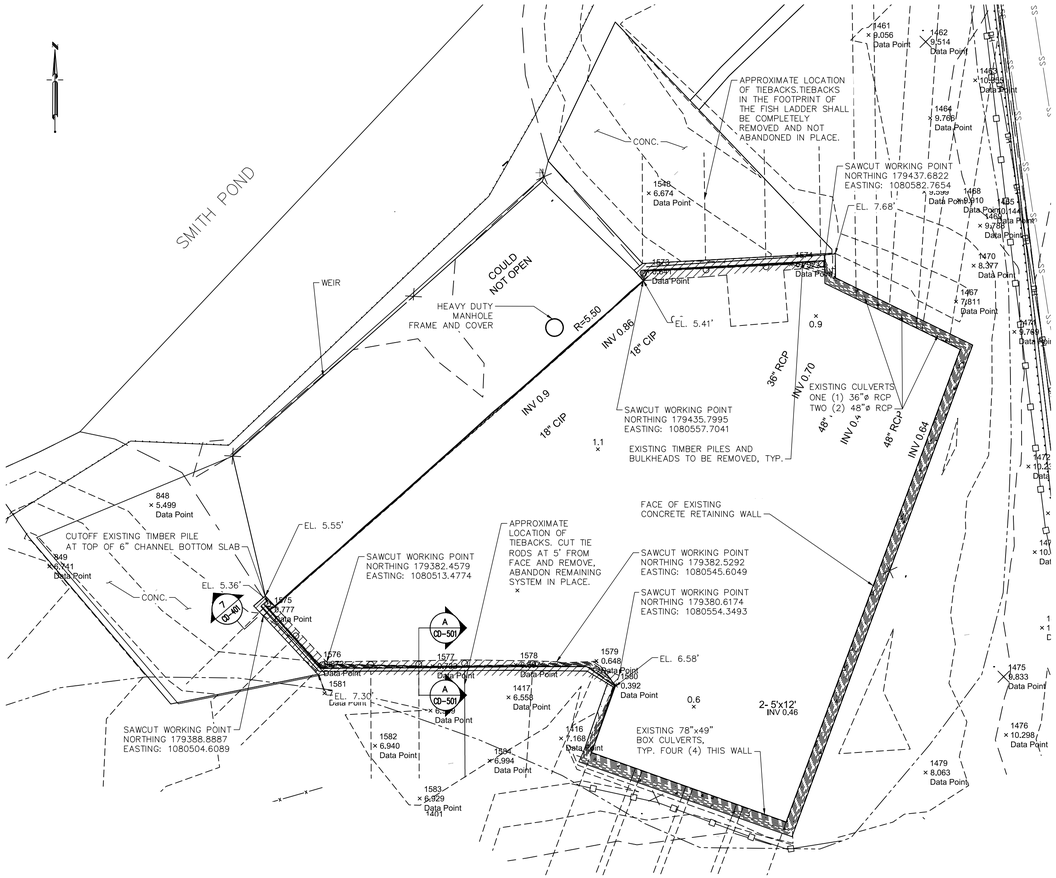
Drawing Title

WEIR IMPROVEMENTS DETAILS

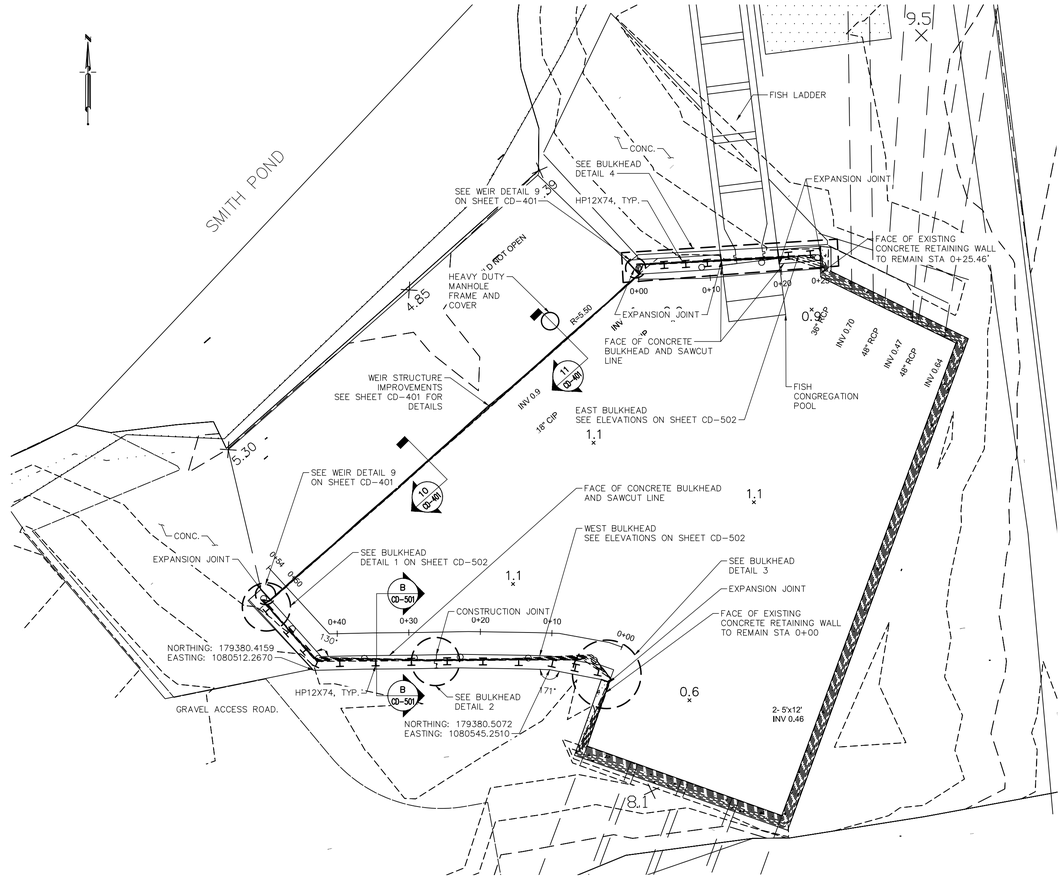
Drawing Number CD-401

Sheet 50 of 93

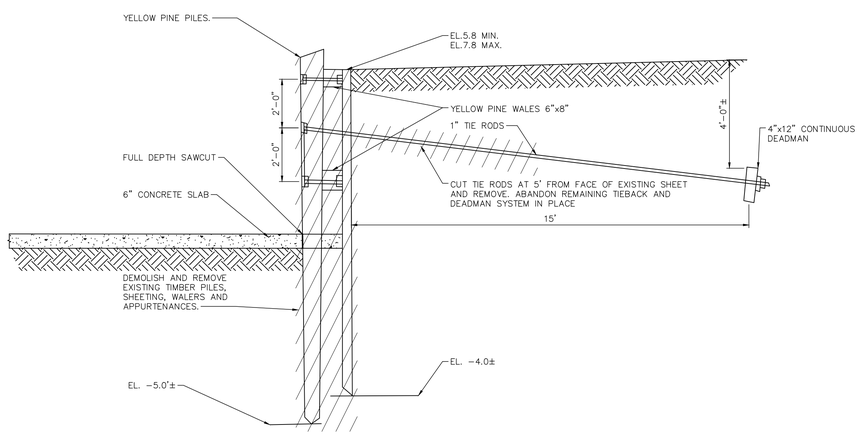
LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SM Jul 27, 2020



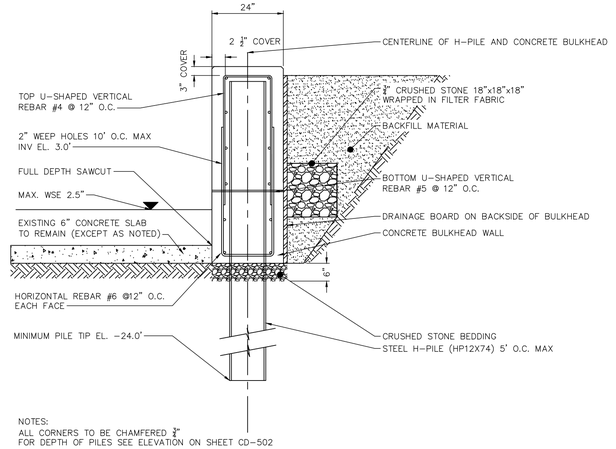
1 CD-501 DEMOLITION PLAN
SCALE 1"=10'



2 CD-501 PROPOSED BULKHEADS PLAN
SCALE 1"=10'



A CD-501 SECTION A–A
SCALE 3/8"=1'-0"



B CD-501 SECTION B–B (PROPOSED)
SCALE 1/2"=1'-0"

NOTE: THIS DRAWING DEPICTS BULKHEAD IMPROVEMENTS ONLY.

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND REHABILITATION PROJECT (PROJECT L)

VILLAGE OF ROCKVILLE CENTRE, LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

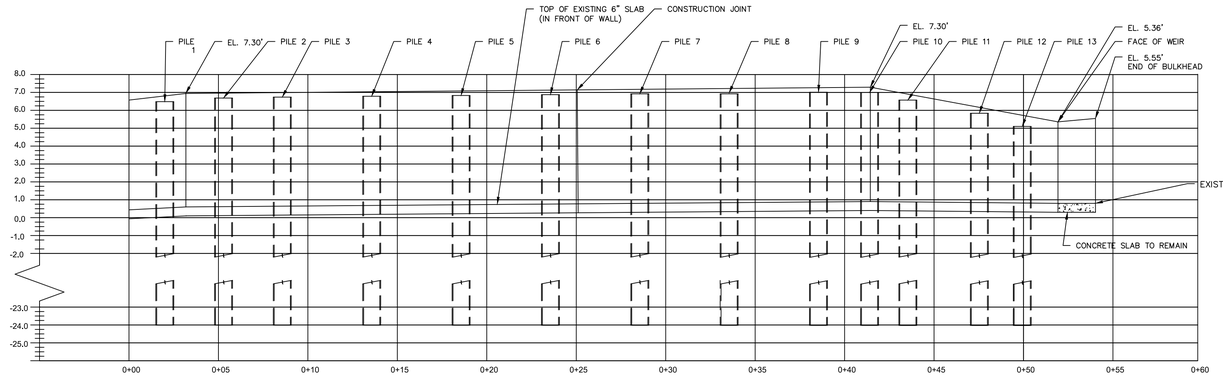
Drawing Title

BULKHEAD REPLACEMENT PLAN AND DETAILS (1 OF 2)

Drawing Number CD-501

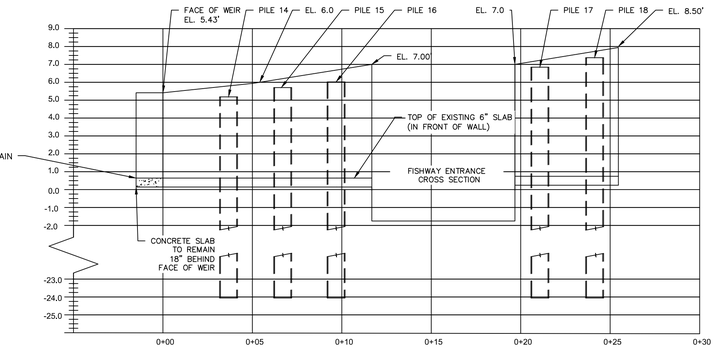
Sheet 51 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\Proposed and Existing Bulkheads.dwg Jul 27, 2020



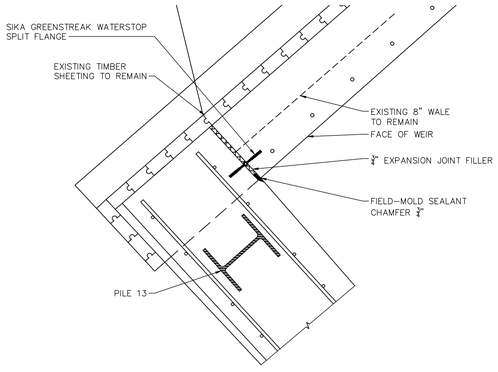
1 CD-502 PROFILE WEST BULKHEAD

SCALE 1/4"=1'-0"



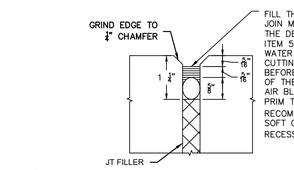
2 CD-502 PROFILE EAST BULKHEAD

SCALE 1/4"=1'-0"



D 1 CD-502 DETAIL 1

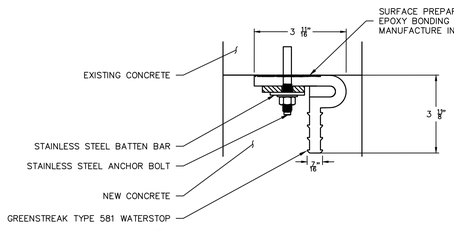
SCALE 3/4"=1'-0"



FILL THE RECESS WITH STRUCTURAL JOIN MATERIAL, SILICONE SEALANT, FROM THE DEPARTMENT'S APPROVED LIST FOR ITEM 567.51——16. IF THE RECESS IS SAW CUT, WATER BLAST IMMEDIATELY FOLLOWING CUTTING TO REMOVE ANY RESIDUAL SLURRY BEFORE IT DRIES. CLEAN THE VERTICAL FACES OF THE RECESS BY ABRASIVE BLAST, AND AIR BLOW THE RESIDUE FROM THE RECESS. PRIM THE VERTICAL FACES WITH THE MANUFACTURE'S RECOMMENDED PRIMER, ALLOW TO DRY. PLACE A ½" DIA. SOFT CLOSED CELL BACKER ROD IN THE BOTTOM OF THE RECESS. OF APPROX. ⅜".

D 6 CD-502 FIELD-MOLDED SEALANT DETAIL

NOT TO SCALE

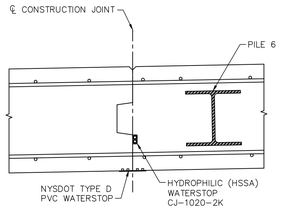


D 5 CD-502 RETROFIT WATERSTOP DETAIL

NOT TO SCALE

PILE SCHEDULE

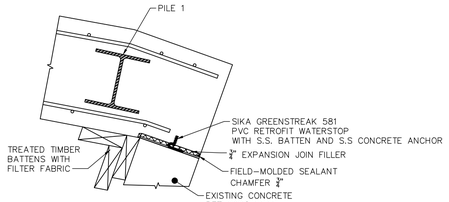
	PILE	STATION	PILE CUT-OFF ELEVATION
	FACE OF EXISTING CONCRETE RETAINING WALL	0+00.0	
	1	0+01.10	6.5'
	2	0+05.1	6.7'
	3	0+08.4	6.8'
	4	0+13.1	6.8'
	5	0+18.1	6.8'
	6	0+23.1	6.9'
	CONSTRUCTION JOINT	0+24.62	
	7	0+28.1	6.0'
WEST BULKHEAD	8	0+33.1	7.0'
	9	0+38.09	7.0'
	10	0+41.31	7.0'
	11	0+43.59	6.6'
	12	0+47.05	5.8'
	13	0+49.9	5.1'
	WEEP HOLE	0+10.0	3.0'
	WEEP HOLE	0+20.0	3.0'
	WEEP HOLE	0+30.0	3.0'
	WEEP HOLE	0+40.0	3.0'
	WEEP HOLE	0+49.0	3.0'
	14	0+3.6	5.2'
	15	0+6.6	5.8'
	16	0+9.6	6.1'
	FISH LADDER	0+11.7	6.5'
	FISH LADDER	0+19.7	7.0'
	17	0+21.1	6.9'
EAST BULKHEAD	18	0+24.1	7.4'
	WEEP HOLE	0+5.0	3.0'
	WEEP HOLE	0+10.0	3.0'
	WEEP HOLE	0+24.1	3.0'
	FACE OF EXISTING CONCRETE RETAINING WALL	0+25.46	



D 2 CD-502 DETAIL 2

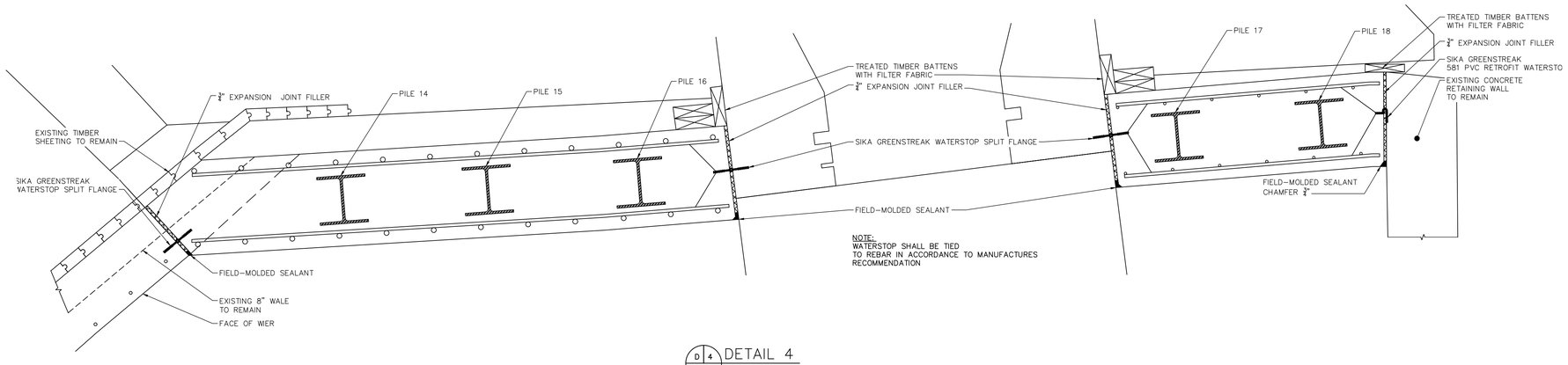
SCALE 3/4"=1'-0"

NOTE:
PAINT JOINT FILLER TO MATCH COLOR OF ADJACENT CONCRETE



D 3 CD-502 DETAIL 3

SCALE 3/4"=1'-0"



NOTE:
WATERSTOP SHALL BE TIED TO REBAR IN ACCORDANCE TO MANUFACTURES RECOMMENDATION

D 4 CD-502 DETAIL 4

SCALE 3/4"=1'-0"

NOTES:

1. CONCRETE BULKHEAD SHALL CONFORM TO SECTION 330000.01 MARINE CONCRETE WORK.
2. STEEL H-PILES SHALL CONFORM TO SECTION 316216.16 STEEL H-PILES
3. DRILLING AND GROUTING OF CONCRETE ANCHORS SHALL CONFORM TO NYSDOT STANDARD SPECIFICATION SECTION 586, EXCEPT FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT.
4. STAINLESS STEEL ANCHORS AT RETROFIT WATERSTOPS SHALL CONFORM TO ASTM F-593 (AISI 316), CONDITION CW WITH 3/8" DIAMETER STAINLESS STEEL (SS) THREADED RODS, OR APPROVED EQUAL. EACH ANCHOR SHALL BE INSTALLED WITH ONE SS FLAT WASHER AND DOUBLE HEX NUTS. STAINLESS STEEL PLATES SHALL CONFORM TO TYPE 316.
5. PVC WATERSTOPS SHALL CONFORM TO NYSDOT STANDARD SPECIFICATION MATERIALS SPECIFICATION 705-11. WATERSTOPS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
6. PREFABRICATED COMPOSITE STRUCTURAL DRAIN (PCSD) SHALL CONFORM TO NYSDOT STANDARD SPECIFICATION MATERIAL SPECIFICATION 737-04.

NOTE: THIS DRAWING DEPICTS BULKHEAD IMPROVEMENTS ONLY.

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

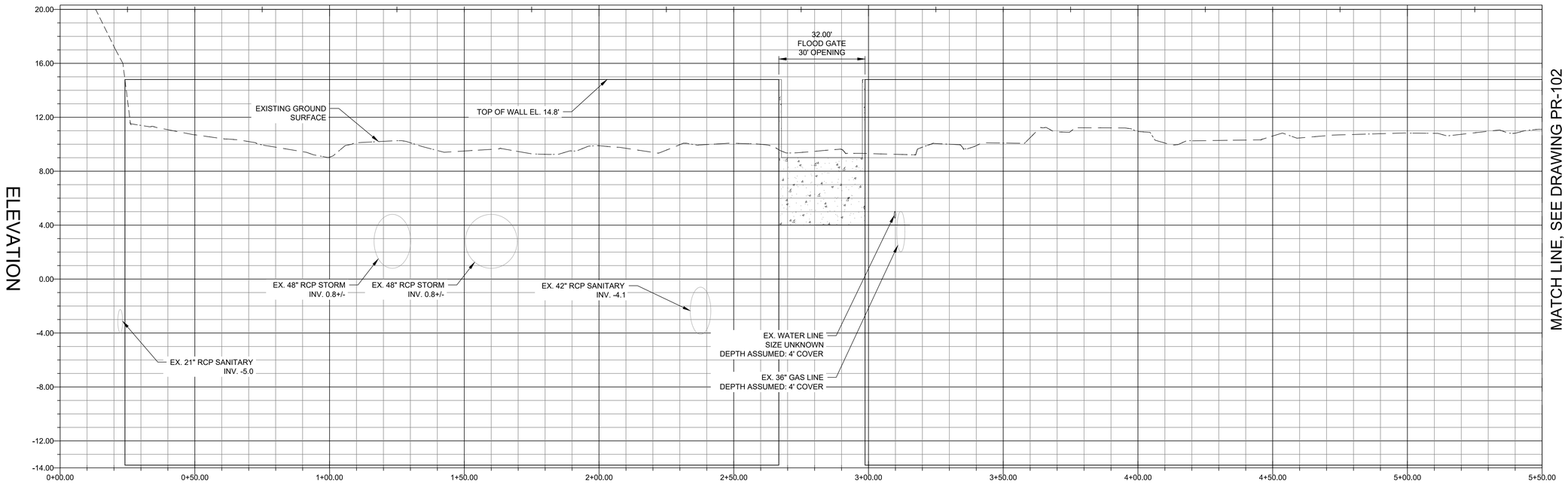
Drawing Title

BULKHEAD
REPLACEMENT
PLAN AND DETAILS
(2 OF 2)

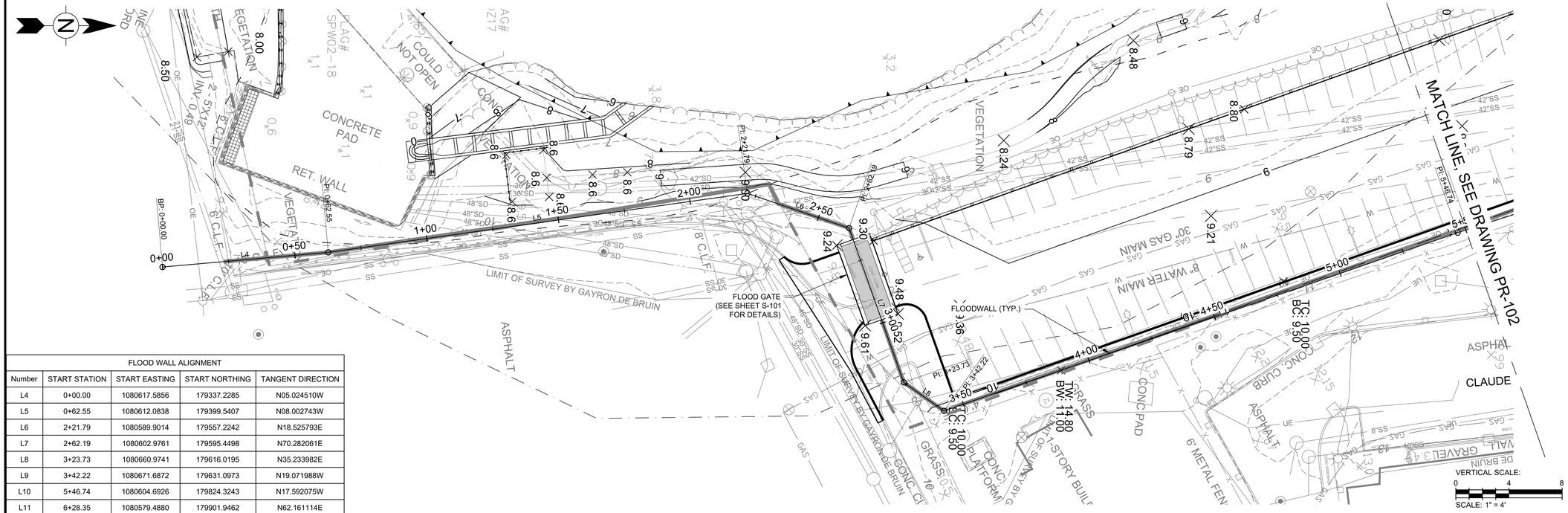
Drawing Number CD-502

Sheet 52 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\Proposed and Existing Bulkheads.dwg Jul 27, 2020



PROFILE OF EAST FLOOD WALL



PLAN VIEW OF EAST FLOOD WALL ALIGNMENT

FLOOD WALL ALIGNMENT				
Number	START STATION	START EASTING	START NORTHING	TANGENT DIRECTION
L4	0+00.00	1080617.5856	179337.2285	N05.024510W
L5	0+62.55	1080612.0838	179399.5407	N08.002743W
L6	2+21.79	1080589.9014	179557.2242	N18.525793E
L7	2+62.19	1080602.9761	179595.4498	N70.282061E
L8	3+23.73	1080660.9741	179616.0195	N35.233982E
L9	3+42.22	1080671.6872	179631.0973	N19.071988W
L10	5+46.74	1080604.6926	179824.3243	N17.592075W
L11	6+28.35	1080579.4880	179901.9462	N62.161114E
L12	6+83.44	1080628.2569	179927.5832	N41.082142E
L13	7+08.48	1080644.7265	179946.4366	N06.144397W

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

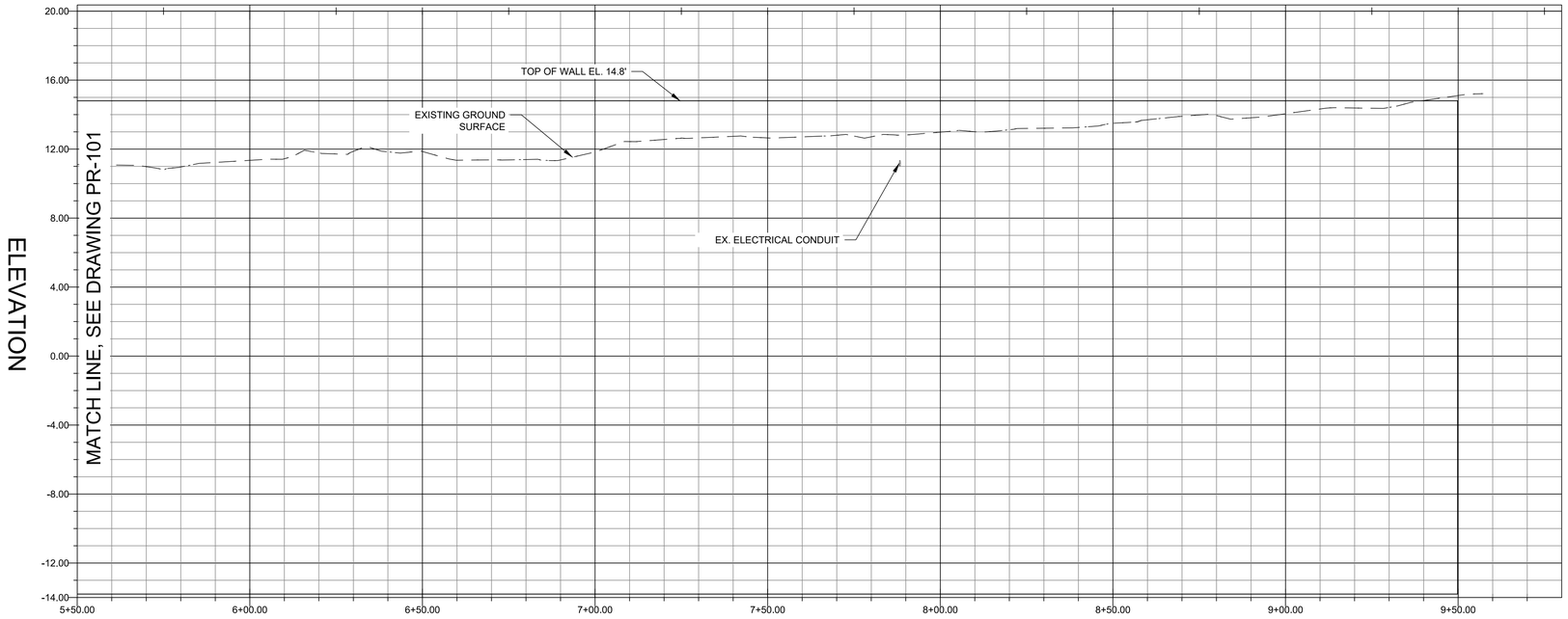
Drawing Title

FLOOD WALL
PROFILE (1 OF 4)

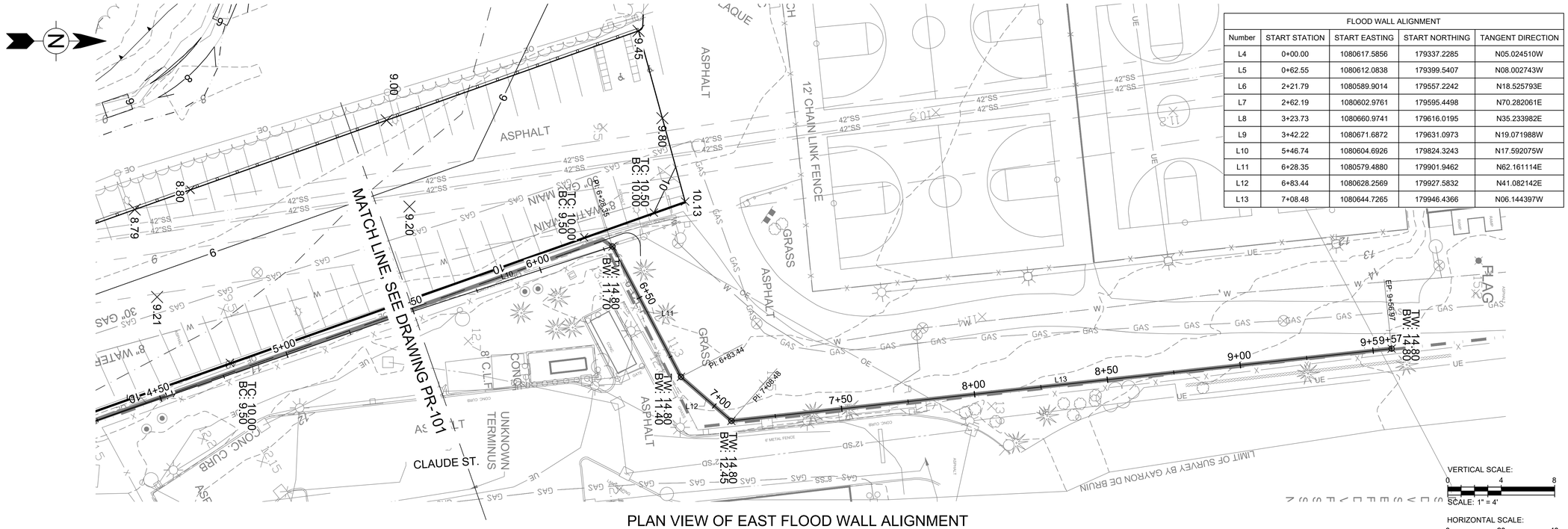
Drawing Number PR-101

Sheet 53 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-PR101-FLOODWALL PROFILES.dwg Jul 27, 2020



PROFILE OF EAST FLOOD WALL



FLOOD WALL ALIGNMENT				
Number	START STATION	START EASTING	START NORTHING	TANGENT DIRECTION
L4	0+00.00	1080617.5856	179337.2285	N05.024510W
L5	0+62.55	1080612.0838	179399.5407	N08.002743W
L6	2+21.79	1080589.9014	179557.2242	N18.525793E
L7	2+62.19	1080602.9761	179595.4498	N70.282061E
L8	3+23.73	1080660.9741	179616.0195	N35.233982E
L9	3+42.22	1080671.6872	179631.0973	N19.071988W
L10	5+46.74	1080604.6926	179824.3243	N17.592075W
L11	6+28.35	1080579.4880	179901.9462	N62.161114E
L12	6+83.44	1080628.2569	179927.5832	N41.082142E
L13	7+08.48	1080644.7265	179946.4366	N06.144397W

PLAN VIEW OF EAST FLOOD WALL ALIGNMENT

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

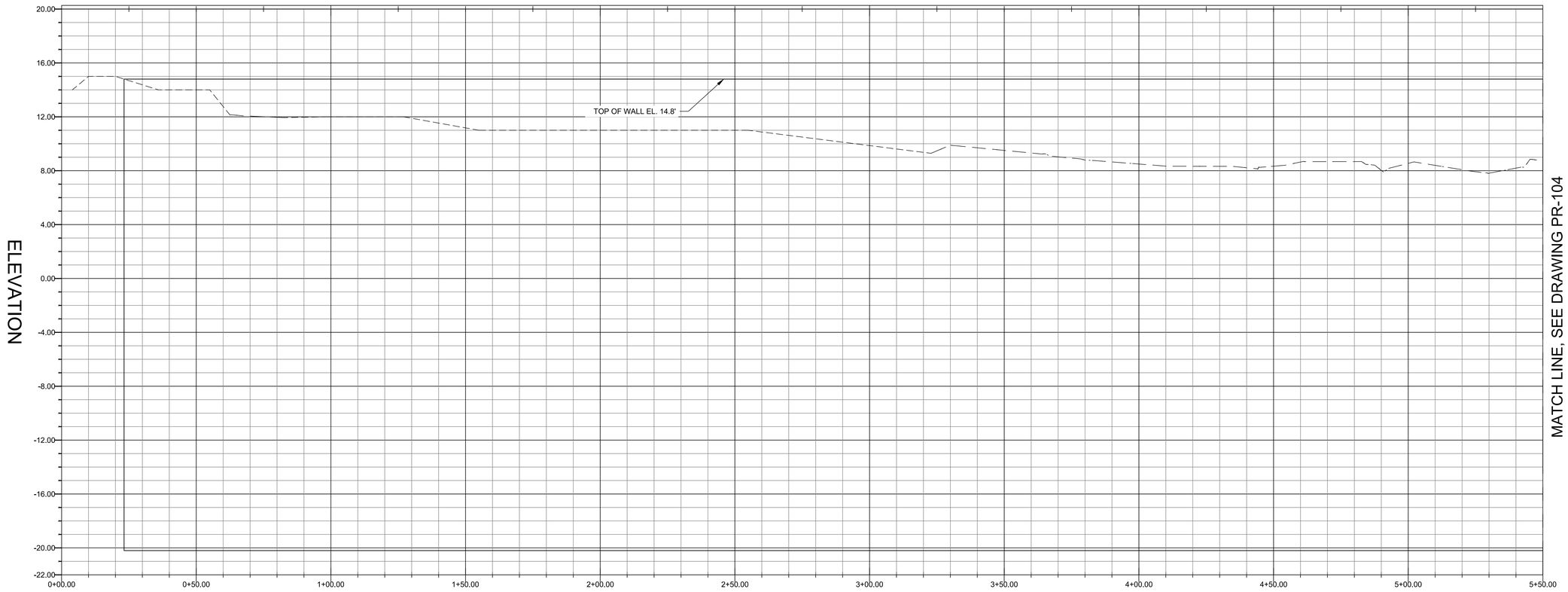
Drawing Title

FLOOD WALL
PROFILE (2 OF 4)

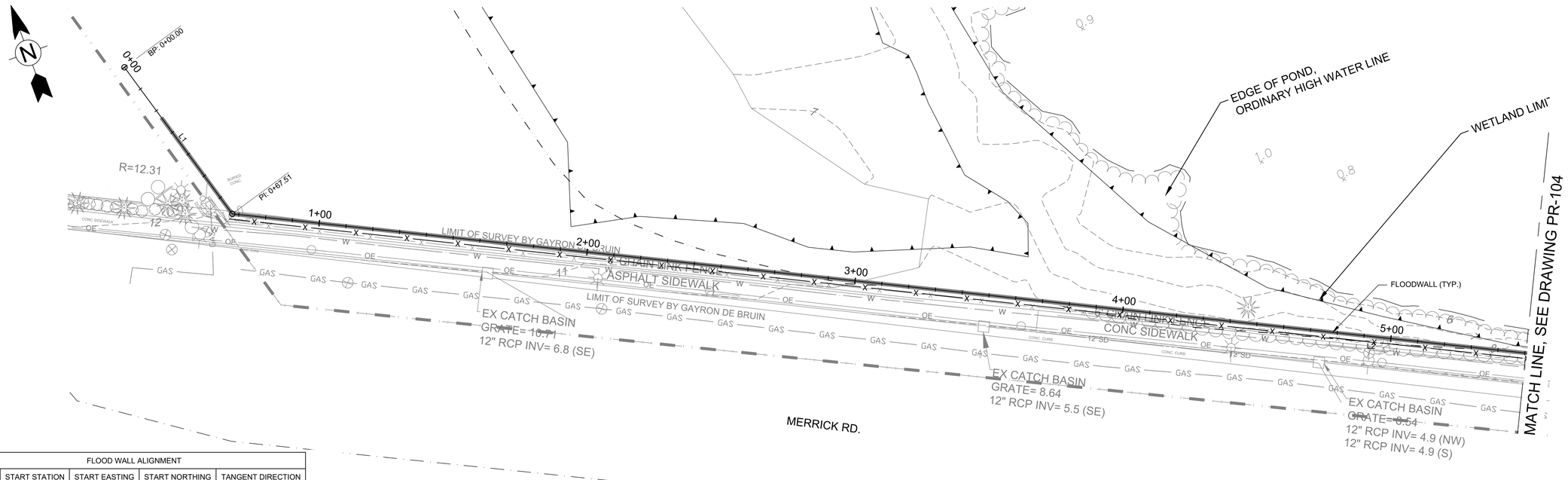
Drawing Number PR-102

Sheet 54 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-PR101-FLOODWALL PROFILES.dwg Jul 27, 2020



PROFILE OF WEST FLOOD WALL



PLAN VIEW OF WEST FLOOD WALL ALIGNMENT

FLOOD WALL ALIGNMENT				
Number	START STATION	START EASTING	START NORTHING	TANGENT DIRECTION
L1	0+00.00	1079518.4047	179765.1145	S16.200642E
L2	0+67.51	1079537.3920	179700.3303	S63.513462E
L3	9+27.70	1080309.6008	179321.3540	N79.521997E

VERTICAL SCALE: 0 4 8
SCALE: 1" = 4'

HORIZONTAL SCALE: 0 20 40
SCALE: 1" = 20'

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

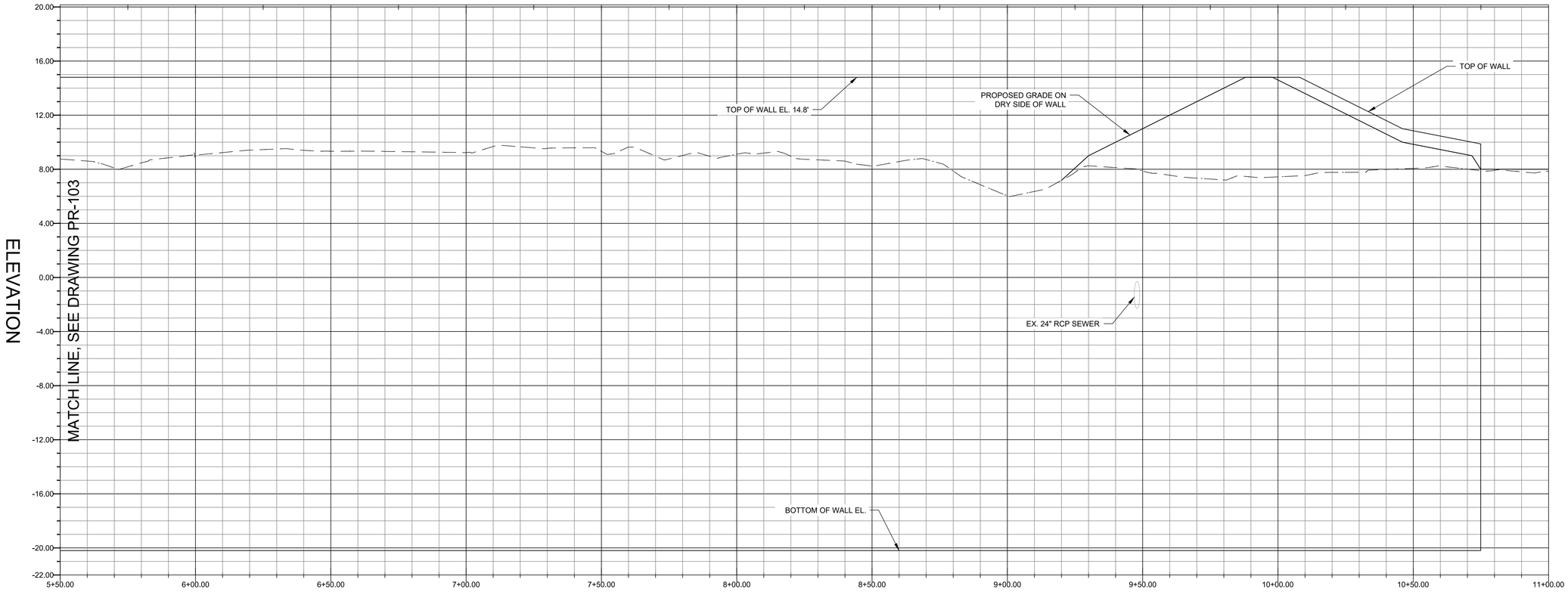
Drawing Title

FLOOD WALL
PROFILE (3 OF 4)

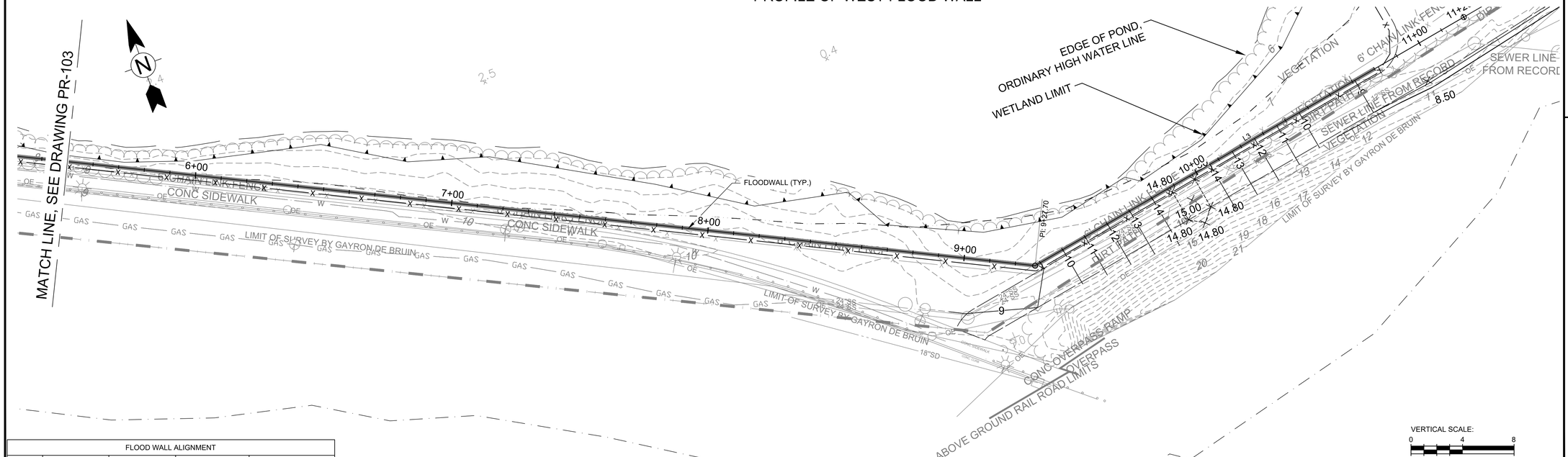
Drawing Number PR-103

Sheet 55 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-PR101-FLOODWALL PROFILES.dwg Jul 27, 2020



PROFILE OF WEST FLOOD WALL



PLAN VIEW OF WEST FLOOD WALL ALIGNMENT

FLOOD WALL ALIGNMENT				
Number	START STATION	START EASTING	START NORTHING	TANGENT DIRECTION
L1	0+00.00	1079518.4047	179765.1145	S16.200642E
L2	0+67.51	1079537.3920	179700.3303	S63.513462E
L3	9+27.70	1080309.6008	179321.3540	N79.521997E

VERTICAL SCALE:
0 4 8
SCALE: 1" = 4'

HORIZONTAL SCALE:
0 20 40
SCALE: 1" = 20'

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

FLOOD WALL
PROFILE (4 OF 4)

Drawing Number PR-104

Sheet 56 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: V:\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-PR101-FLOODWALL PROFILES.dwg Jul 27, 2020

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND- Structural Details & Notes.dwg Jul 27, 2020

GENERAL NOTES

1. THE FOLLOWING REQUIREMENTS TOGETHER WITH THE PROJECT PLANS AND SPECIFICATIONS SHALL APPLY TO THE STRUCTURES IN THIS CONTRACT.
2. EXAMINE CIVIL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR VERIFICATION OF LOCATIONS AND DIMENSIONS OF CHASES, INSERTS, OPENINGS, SLEEVES, WASHES, DRIPS, DEPRESSIONS, AND OTHER PROJECT REQUIREMENTS NOT SHOWN ON THE STRUCTURAL DRAWINGS. STRUCTURAL DRAWINGS MUST BE COORDINATED WITH THE DRAWINGS OF OTHER PROJECT DISCIPLINES. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. SPECIFICATION LANGUAGE SHALL GOVERN IN THE EVENT OF ANY CONFLICT WITH THE INFORMATION SHOWN ON THE GENERAL NOTES.
3. ALL DIMENSIONS AND ELEVATIONS INDICATED ON THE STRUCTURAL DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR AND SHALL BE COORDINATED WITH THOSE INDICATED ON THE CIVIL DRAWINGS. REPORT ALL DISCREPANCIES TO THE ENGINEER FOR RESOLUTION BEFORE PROCEEDING
4. THE CONTRACTOR IS RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION THROUGHOUT THE PROJECT DURATION. HE SHALL PROVIDE ADEQUATE BRACING, SHORING, AND INSTITUTE MEASURES NECESSARY TO PROTECT ALL WORK FROM DAMAGE, BREAKAGE, SETTLEMENT, OR COLLAPSE THAT MAY RESULT FROM THE CONSTRUCTION ACTIVITY.
5. TYPICAL DETAILS AND NOTES SHOWN ON STRUCTURAL TYPICAL DETAIL DRAWINGS SHALL BE APPLICABLE TO ALL PARTS OF THE STRUCTURAL WORK EXCEPT WHERE SPECIFICALLY REQUIRED OTHERWISE BY CONTRACT DOCUMENTS. DETAILS NOT SPECIFICALLY SHOWN SHALL BE SIMILAR TO THOSE SHOWN FOR THE MOST NEARLY SIMILAR CONDITION.
6. THE CONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS TO THE ENGINEER FOR ALL PARTS OF THE WORK INCLUDING DESCRIPTION OF TEMPORARY BRACING, CONSTRUCTION METHODS, AND SEQUENCING WHERE APPLICABLE. NO PERFORMANCE OF THE WORK INCLUDING, BUT NOT LIMITED TO, FABRICATION OR ERECTION OF NEW STRUCTURAL ELEMENTS, SHALL COMMENCE WITHOUT PRIOR REVIEW AND APPROVAL OF THE SHOP DRAWINGS BY THE ENGINEER.

REFERENCED CODES AND STANDARDS

THE DESIGN SHOWN ON THESE DRAWINGS IS BASED ON THE FOLLOWING CODES, SPECIFICATIONS, AND STANDARDS:

1. INTERNATIONAL BUILDING CODE (IBC), 2015
2. AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE 7-2010)
3. AMERICAN CONCRETE INSTITUTE (ACI) BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-2014)

FOUNDATION

1. FOUNDATION DESIGN IS IN ACCORDANCE WITH RECOMMENDATIONS PROVIDED IN GEOTECHNICAL REPORT PREPARED BY DINCER EGIN, WSP DATED AUGUST 2019.
2. VERIFY ALL EXISTING FIELD CONDITIONS THAT MAY AFFECT THE INSTALLATION OF THE FOUNDATION SYSTEM PRIOR TO STARTING WORK. LOCATE AND PROTECT ALL UTILITIES WHICH MAY BE AFFECTED BY THE CONSTRUCTION PROCESS.
3. FOUNDATION SUBGRADE CAPACITY AND FINAL ELEVATIONS SHALL BE INSPECTED AND APPROVED BY A QUALIFIED TESTING LABORATORY AND REVIEWED BY A GEOTECHNICAL ENGINEER REGISTERED IN THE STATE OF NEW YORK PRIOR TO PLACING CONCRETE.
4. DESIGN FROST PENETRATION DEPTH IS 36 INCHES BELOW GRADE.
5. UTILITY LINES SHALL NOT BE PLACED THROUGH OR BELOW FOUNDATIONS WITHOUT APPROVAL OF THE ENGINEER. CONTRACTOR SHALL SUBMIT DETAILED DRAWINGS OF ALL SUCH CONDITIONS PRIOR TO CONSTRUCTION.
6. PROVIDE CONTINUOUS CONTROL OF SURFACE AND SUBSURFACE WATER DURING CONSTRUCTION SUCH THAT FOUNDATION WORK IS PERFORMED IN DRY CONDITIONS AND ON UNDISTURBED SUBGRADE MATERIAL. PROVIDE CONTROL UNTIL SUFFICIENT DEAD LOAD HAS ACCUMULATED TO PREVENT FLOTATION OF ANY PART OF THE STRUCTURE.
7. NO FOUNDATION CONCRETE SHALL BE PLACED INTO OR AGAINST WATER, FROST, ICE, OR FROZEN SUBGRADE MATERIAL.
8. PILES ARE TO BE 8" (TIP) DIAMETER PILES INSTALLED PER THE RECOMMENDATIONS OUTLINED IN THE GEOTECHNICAL REPORT.

CAST-IN-PLACE CONCRETE

1. CAST-IN-PLACE CONCRETE WORK SHALL CONFORM TO "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318-14) AND "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI 301-10). CONCRETE PLACEMENT SHALL CONFORM TO THE LATEST EDITION OF "GUIDE FOR MEASURING, MIXING, TRANSPORTING AND PLACING CONCRETE" (ACI 304). ALL NON-MARINE CONCRETE SHALL BE NASSAU COUNTY CLASS A CONCRETE.
2. ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE. MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE AS FOLLOWS:

   ALL STRUCTURAL CONCRETE 4,000 PSI
3. MAXIMUM WATER-CEMENTITIOUS MATERIALS RATIO SHALL BE AS FOLLOWS:

   ALL STRUCTURAL CONCRETE 0.46
4. ALL CONCRETE SHALL BE AIR-ENTRAINED TO AN AIR CONTENT OF 6.5% ± 1.5%.
5. PROVIDE HORIZONTAL CONSTRUCTION JOINTS AS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS INDICATING THE LOCATIONS OF ALL CONSTRUCTION JOINTS.
6. ALL STEEL PLATES, INSERTS, OR OTHER ITEMS TO BE EMBEDDED IN CONCRETE SHALL BE HOT DIP GALVANIZED AFTER FABRICATION OR SHALL BE STAINLESS STEEL.
7. PRIOR TO PLACING ANY CONCRETE THE CONTRACTOR SHALL SUBMIT COORDINATION DRAWINGS SHOWING THE DIMENSIONED LOCATION OF ALL PENETRATIONS FOR APPROVAL BY THE ENGINEER.
8. EXCEPT WHEN DRAWINGS FOR PIPES OR CONDUITS ARE APPROVED BY THE ENGINEER, CONDUITS OR PIPES EMBEDDED WITHIN A SLAB, WALL, OR BEAM (OTHER THAN THOSE MERELY PASSING THROUGH) SHALL SATISFY THE FOLLOWING:

   A. THEY SHALL NOT BE LARGER THAN 1" OUTSIDE DIAMETER
   B. THEY SHALL NOT BE SPACED CLOSER THAN THREE (3) DIAMETERS OR WIDTHS ON CENTER
9. THE ENGINEER MAY REQUIRE REPOSITIONING OF CONDUIT BASED ON FIELD CONDITIONS WHICH CREATE CONGESTION BEYOND RESTRICTIONS NOTED ABOVE.

REINFORCING STEEL

1. REINFORCEMENT WORK OF DETAILING, FABRICATION, AND ERECTION SHALL CONFORM TO "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318-14) AND THE LATEST EDITION OF "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT" (ACI 315).
2. REINFORCING STEEL SHALL CONFORM TO ASTM A615 (GRADE 60).
3. WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185.
4. PROVIDE AND SCHEDULE ON SHOP DRAWINGS THE NECESSARY ACCESSORIES TO HOLD REINFORCEMENT SECURELY IN POSITION. ALL REINFORCEMENT SHALL BE SECURELY TIED IN PLACE AT THE POSITION SHOWN ON THE DRAWINGS BEFORE POURING CONCRETE.
5. WHERE CONTINUOUS REINFORCEMENT IS CALLED FOR, IT SHALL BE EXTENDED CONTINUOUSLY AROUND CORNERS AND LAPPED AT NECESSARY SPLICES OR HOOKED AT DISCONTINUOUS ENDS. LAPS SHALL BE CLASS B TENSION LAP SPLICES, UNLESS NOTED OTHERWISE.
6. WHERE THERE IS A CONFLICT BETWEEN LOCATIONS OF COLUMN VERTICAL BARS AND BEAM OR SLAB HORIZONTAL BARS, THE COLUMN BARS SHALL REMAIN IN THEIR DESIGNATED POSITIONS AND BEAMS OR SLAB BAR LOCATIONS SHALL BE ADJUSTED.
7. REINFORCING STEEL SPLICES AND ANCHORAGE LENGTHS SHALL BE IN COMPLIANCE WITH ACI 318, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
8. WHERE REQUIRED, DOWELS SHALL MATCH BAR SIZE AND NUMBER OF MAIN REINFORCING, UNLESS NOTED OTHERWISE.
9. WELDED WIRE FABRIC SHALL BE LAPPED TWO (2) FULL MESH PANELS AND SHALL BE TIED SECURELY.
10. REINFORCEMENT SHALL NOT BE TACK WELDED.

TYPICAL REINFORCING BAR COVER TABLE

PROVIDE THE FOLLOWING COVER FOR REINFORCING BARS, UNLESS NOTED OTHERWISE ON THE DRAWINGS:

LOCATION		MINIMUM CLEAR COVER
CONCRETE CAST AGAINST & PERMANENTLY EXPOSED TO EARTH		3"
CONCRETE EXPOSED TO EARTH OR WEATHER		
#6 THROUGH #11 BARS		2"
#5 BARS, 5/8" DIA. WIRES AND SMALLER		1-1/2"
WALLS		1"
SLABS	BOTTOM	1"
	TOP	1-1/2"
BEAM STIRRUPS		1-1/2"
COLUMN TIES		1-1/2"
EXTERIOR FACE OF EXPOSED WALLS		2"

ABBREVIATIONS

&	AND
@	AT
ACI	AMERICAN CONCRETE INSTITUTE
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
ADD'L.	ADDITIONAL
ARCH	ARCHITECT, ARCHITECTURAL
B, BOT.	BOTTOM
BLDG.	BUILDING
BM., BM	BEAM
B.O.	BOTTOM OF
CANT.	CANTILEVER
CJ	CONTROL JOINT
CL	COLUMN LINE
CLR	CLEAR
COL.	COLUMN
CONC.	CONCRETE
CONT.	CONTINUOUS
COORD.	COORDINATE
COR	CONTRACTING OFFICER'S REPRESENTATIVE
"C_"	COLUMN TYPE
db	BAR DIAMETER
DEG	DEGREE
DIAM.	DIAMETER
DN	DOWN
DIMS.	DIMENSIONS
DP.	DEEP
DWGS.	DRAWINGS
EA.	EACH
E.E.	EACH END
E.F.	EACH FACE
ELEC.	ELECTRICAL
EL, ELEV.	ELEVATION
EQ.	EQUAL
EQUIP.	EQUIPMENT
E.S.	EACH SIDE
E.W.	EACH WAY
EXP.	EXPANSION
EXP. JT.	EXPANSION JOINT
EXT.	EXTERIOR
"F_"	FOOTING TYPE
FD	FLOOR DRAIN
FIN.	FINISH
FIN. FL.	FINISHED FLOOR
FL	FLOOR
FT	FOOT, FEET
FTG.	FOOTING
GA, G., g	GAUGE
GALV.	GALVANIZED
GEN	GENERAL
HORIZ.	HORIZONTAL
H.P.	HIGH POINT
INT.	INTERIOR
I.P.	INFLECTION POINT
JT.	JOINT
K	KIP
KSI	KIPS PER SQUARE INCH
L =	LENGTH EQUALS
L	ANGLE
LG.	LONG
LOC.	LOCATION
MAX.	MAXIMUM
MECH.	MECHANICAL
MEP	MECHANICAL, ELECTRICAL AND PLUMBING
MIN.	MINIMUM
MPH	MILES PER HOUR
N.S.	NEAR SIDE
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
OPNG.	OPENING
O.H.	OPPOSITE HAND
PL.	PLATE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
QTY.	QUANTITY
R@	REMAINDER AT
REINF.	REINFORCEMENT
REQ'D	REQUIRED
SCHED.	SCHEDULE, SCHEDULED
SECT.	SECTION
SIM.	SIMILAR
SL	SLEEVE
S.O.G.	SLAB-ON-GRADE
SPECS.	SPECIFICATIONS
SQ.	SQUARE
S.STL.,SS	STAINLESS STEEL
STD.	STANDARD
STL.	STEEL
STR.	STRUCTURAL
STRUCT.	STRUCTURAL
T	TOP
TERM	TERMINATE
T&B	TOP AND BOTTOM
THK.	THICK
T.O.	TOP OF
T.O.C.	TOP OF CONCRETE
T.O.S.	TOP OF SLAB
TYP.	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT.	VERTICAL
VIF	VERIFY IN FIELD
W/	WITH
WD	WIDTH
W/O	WITHOUT
WP	WORK POINT
WWF	WELDED WIRE FABRIC

DRAWING SYMBOLS

CHANGE IN SLAB ELEVATION

SPAN

0 / S-000 — SECTION IDENTIFICATION / SECTION WHERE SHOWN

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	DL
Drawn by	TS
Checked by	BE
Date	7/27/2020

Drawing Title

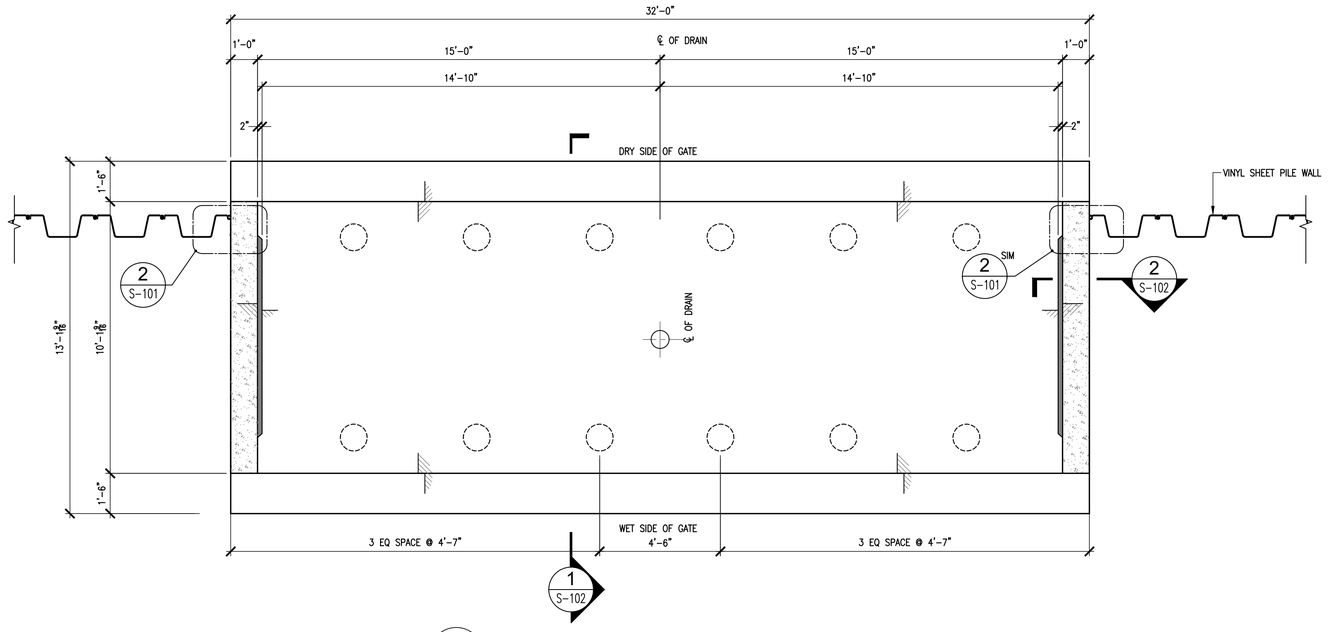
STRUCTURAL
NOTES AND LEGEND

Drawing Number S-001

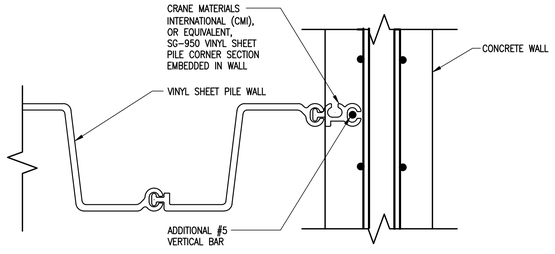
Sheet 57 of 93

NOTES:

1. SEE CIVIL DRAWINGS FOR GATE LOCATIONS AND ELEVATIONS.
2. INSTALL VINYL SHEET PILE BEFORE FLOOD GATE.
3. EMBED VINYL SHEET PILE INTO FLOOD GATE.



1 / S-101 **SCHEMATIC FOUNDATION PLAN 35-FOOT GATE**
SCALE: 3/8"=1'-0"



2 / S-101 **SHEET PILE TO CONCRETE WALL DETAIL**
SCALE: 1-1/2"=1'-0"

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	DL
Drawn by	TS
Checked by	BE
Date	7/27/2020

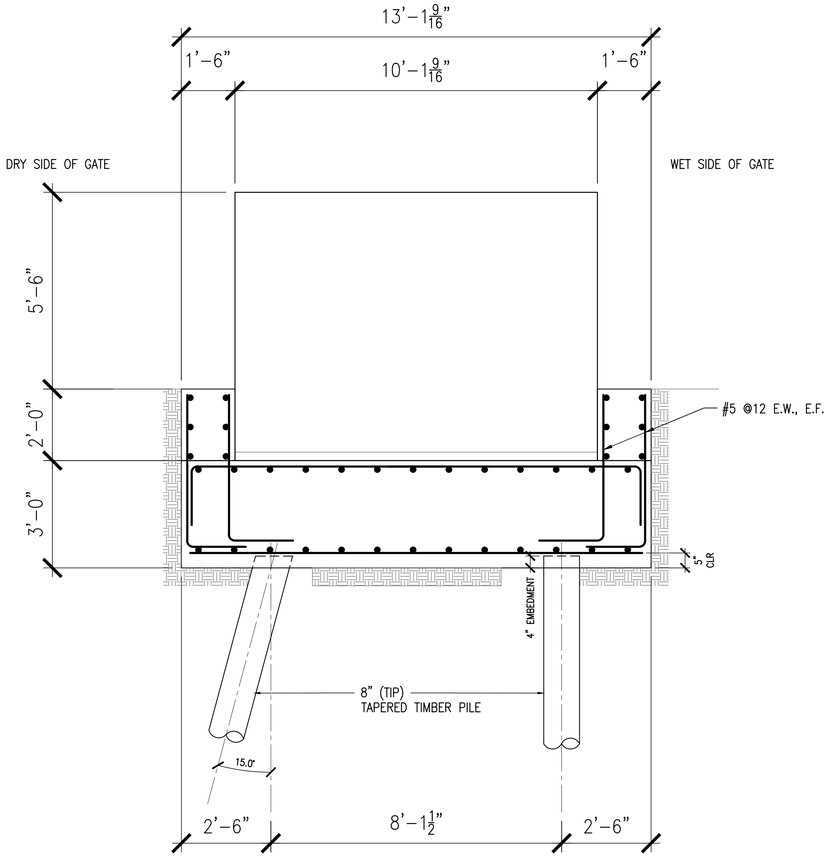
Drawing Title

FLOOD GATE
FOUNDATION PLANS

Drawing Number S-101

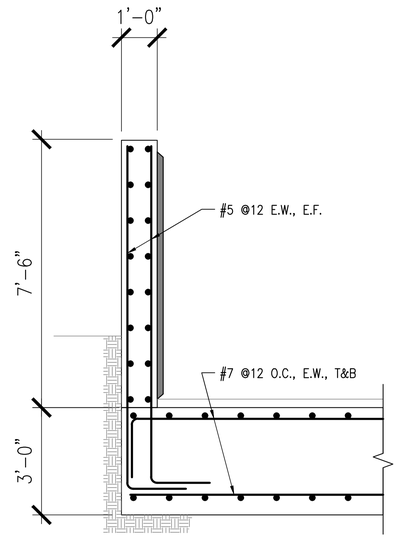
Sheet 58 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND- Structural Details & Notes.dwg Jul 27, 2020



1 / S-102 **SECTION AT GATE JAMB**

SCALE: 1/2"=1'-0"



2 / S-102 **SECTION AT WIPER WALL**

SCALE: 1/2"=1'-0"

NOTES:

1. SEE GEOTECHNICAL ENGINEERING REPORT FOR INFORMATION ON TIMBER PILES.

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	DL
Drawn by	TS
Checked by	BE
Date	7/27/2020

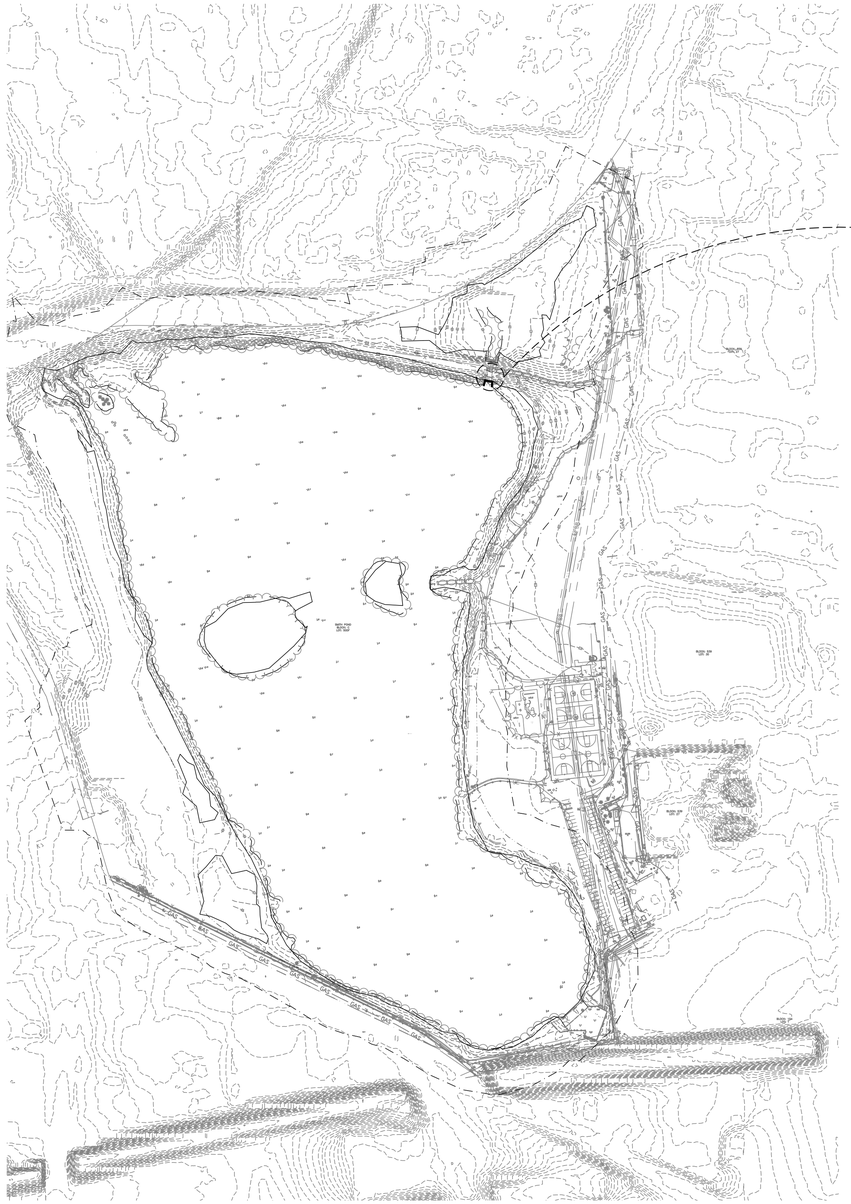
Drawing Title

FLOOD GATE
FOUNDATION DETAILS

Drawing Number S-102

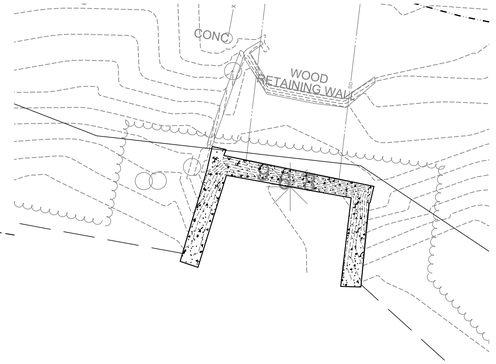
Sheet 59 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.ibgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND- Structural Details & Notes.dwg Jul 27, 2020



1
S-102

OVERALL SITE PLAN
SCALE: 1"=2000'-0"



2
S-102

ENLARGED PLAN
SCALE: 1"=100'-0"

NOTES:

1. STONE MASONRY HEADWALL RESTORATION WORK INCLUDES THE FOLLOWING:
   - A. TUCK-POINTING ALL EXPOSED MORTAR JOINTS.
   - B. STONE REPAIR WHERE SHOWN.
   - C. REPLACEMENT OF WALL CAP.
   - D. STONE CLEANING ALL SURFACES.
   - E. STONE SEALING ALL SURFACES.
   - F. FINAL CLEANING.
2. TUCK-POINTING OF MORTAR JOINTS SHALL INCLUDE:
   - A. RAKING OUT MORTAR JOINTS AS DESCRIBED IN THE SPECIFICATION TO REMOVE UNSOUND MORTAR.
   - B. RE-POINTING OF MASONRY JOINTS WITH JOINT PROFILES TO MATCH THE ORIGINAL JOINT CONDITION.
3. STONE REPAIR AND PATCHING SHALL INCLUDE:
   - A. REMOVAL OF ANY LOOSE STONE FRAGMENTS, PARTICLES AND OTHER DEBRIS.
   - B. REINSTALLATION OF LARGE STONE FRAGMENTS THROUGH ADHESIVE APPLICATION (AND ANCHOR RODS WHERE APPLICABLE) AS OUTLINED IN THE SPECIFICATION.
4. REPLACEMENT OF WALL CAP SHALL INCLUDE:
   - A. REMOVAL OF ALL REMAINING PORTIONS OF THE EXISTING CONCRETE CAP.
   - B. INSTALLATION OF REPLACEMENT CONCRETE CAP. CONCRETE CAP SHALL BE CONSTRUCTED OF 4000 PSI CONCRETE AND SHALL MATCH THE DIMENSIONS AND PROFILE OF ORIGINAL CAP CONSTRUCTION.
5. CLEANING OF EXISTING STONE SHALL BE PERFORMED AS OUTLINED IN THE SPECIFICATION.
6. SEALING OF THE STONE SURFACES SHALL BE PERFORMED AS OUTLINED IN THE SPECIFICATION.
7. AFTER COMPLETION OF REPAIR WORK, A FINAL CLEANING SHALL BE PERFORMED AS OUTLINED IN THE SPECIFICATION.

N

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	DL
Drawn by	TS
Checked by	BE
Date	7/27/2020

Drawing Title

STONE HEADWALL
RESTORATION

Drawing Number S-103

Sheet 60 of 93

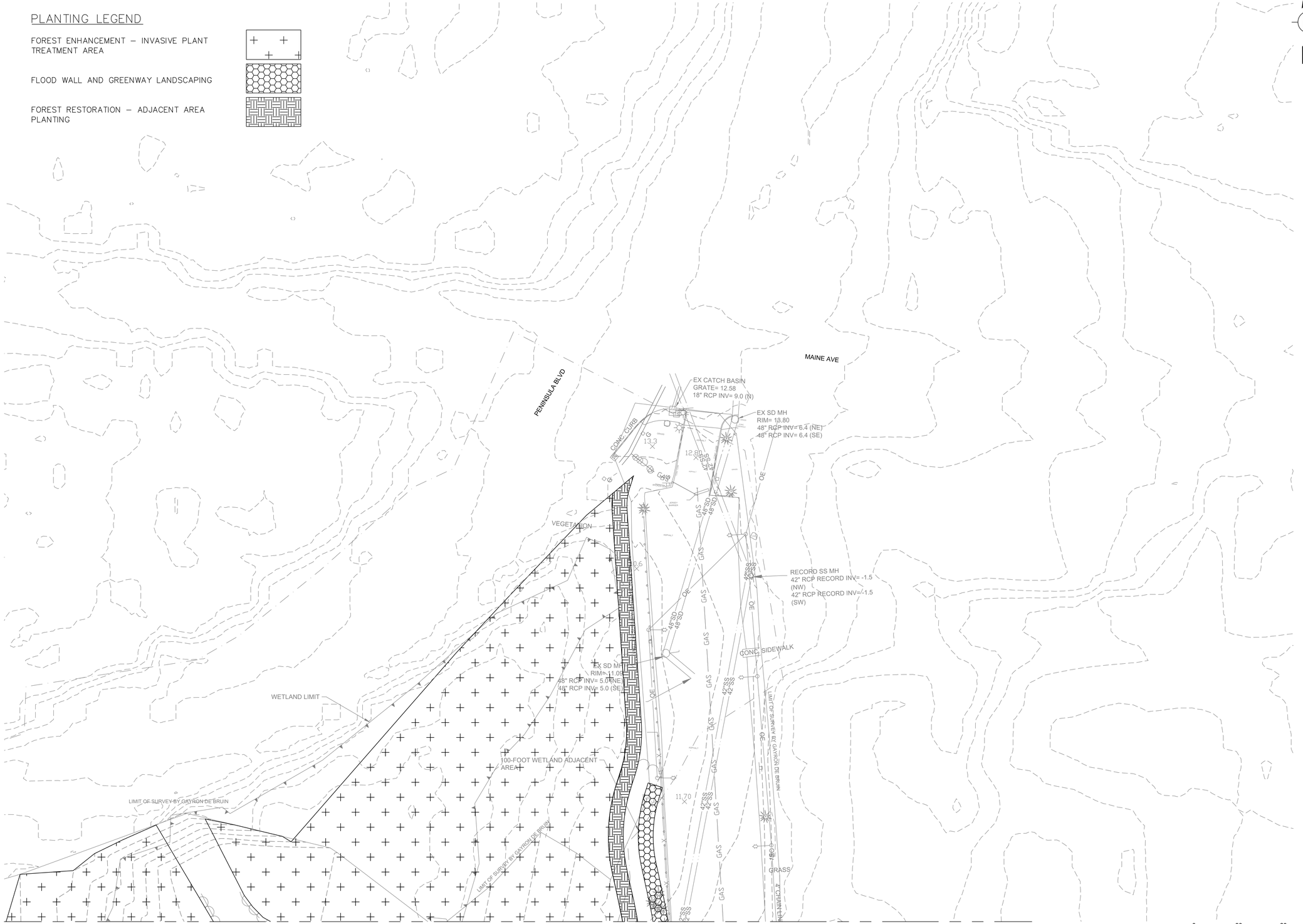
LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND- Structural Details & Notes.dwg Jul 27, 2020

PLANTING LEGEND

FOREST ENHANCEMENT – INVASIVE PLANT TREATMENT AREA

FLOOD WALL AND GREENWAY LANDSCAPING

FOREST RESTORATION – ADJACENT AREA PLANTING



FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

LANDSCAPING PLAN
(1 OF 8)

Drawing Number L-101

Sheet 61 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fa\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-L101 Landscaping Plan.dwg Jul 27, 2020

MATCH LINE, SEE DRAWING L-101

MATCH LINE, SEE DRAWING L-107

MATCH LINE, SEE DRAWING L-103

PLANTING LEGEND

FOREST ENHANCEMENT – INVASIVE PLANT TREATMENT AREA

FLOOD WALL AND GREENWAY LANDSCAPING

FOREST RESTORATION – ADJACENT AREA PLANTING

WETLAND LIMIT

APPROXIMATE LOCATION OF 6' CHAIN LINK FENCE

VEGETATION

5'X11' BOX CULVERT INLET TO SMITH POND

EX OUTFALL
132" RCP INV = 2.2± (N)

EX SS MH
RIM= 14.05
42" RCP INV= -2.4 (NE)
42" RCP INV= -2.4 (SW)

EX SD MH
RIM= 15.83'
48" RCP INV= 4.3 (NE)
48" RCP INV= 4.4 (SW)

100-FOOT WETLAND ADJACENT AREA

EDGE OF POND, ORDINARY HIGH WATER LINE

FEMA ZONE A 100-YEAR FLOOD LIMIT

RECORD SS MH
42" RCP RECORD INV= -2.6 (NE)
42" RCP RECORD INV= -2.6 (SW)

LIMIT OF SURVEY

GAS

ASPHALT

GRASS

OLD MILL CT

MEEHAN LN

N

0 30 60
SCALE: 1" = 30'

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

LANDSCAPING PLAN
(2 OF 8)

Drawing Number L-102

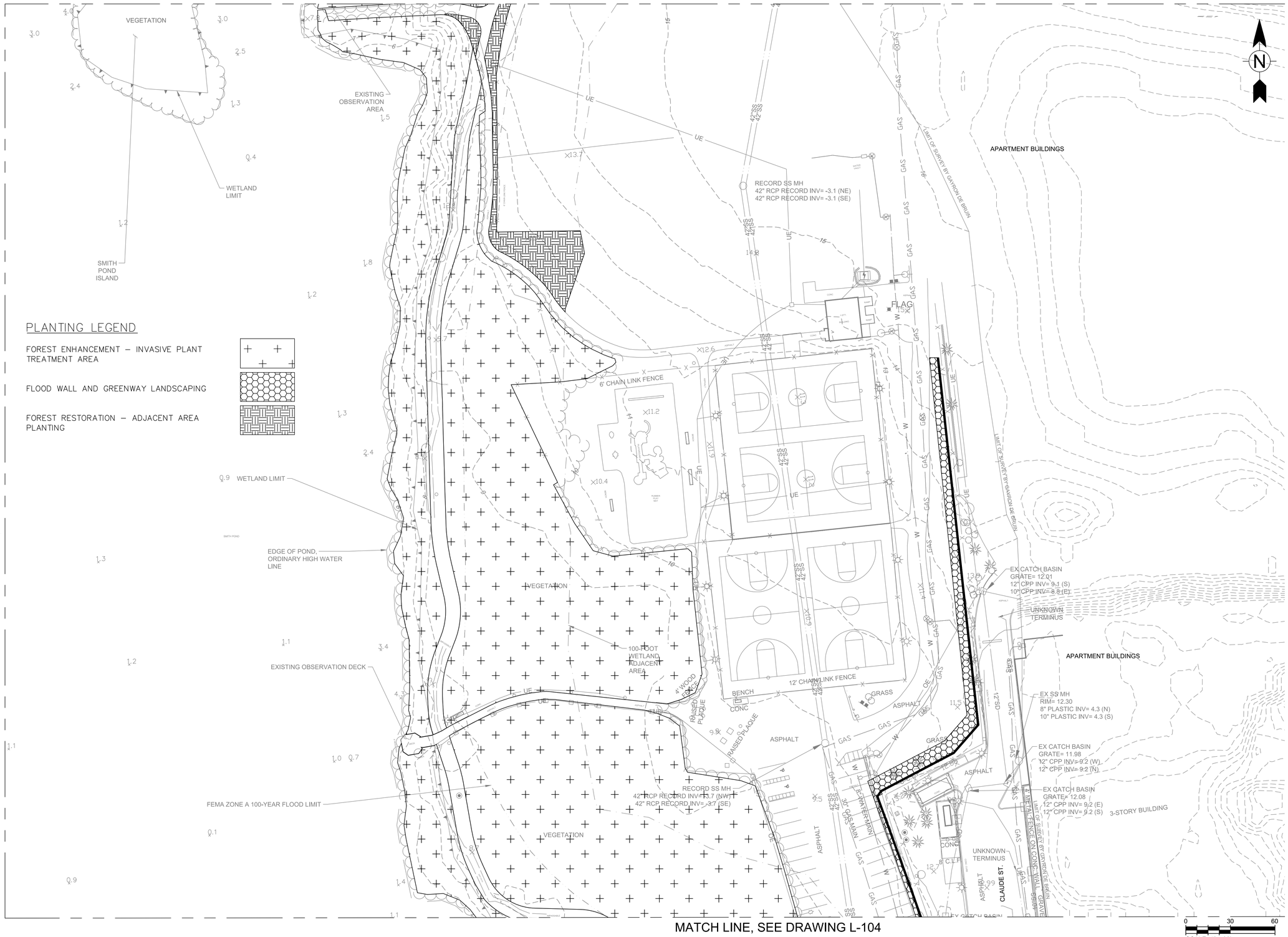
Sheet 62 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-L101 Landscaping Plan.dwg Jul 27, 2020

MATCH LINE, SEE DRAWING L-102

MATCH LINE, SEE DRAWING L-106

MATCH LINE, SEE DRAWING L-104



PLANTING LEGEND

FOREST ENHANCEMENT – INVASIVE PLANT TREATMENT AREA

FLOOD WALL AND GREENWAY LANDSCAPING

FOREST RESTORATION – ADJACENT AREA PLANTING

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

LANDSCAPING PLAN
(3 OF 8)

Drawing Number L-103

Sheet 63 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-L101 Landscaping Plan.dwg Jul 27, 2020

MATCH LINE, SEE DRAWING L-103

MATCH LINE, SEE DRAWING L-105

PLANTING LEGEND

FOREST ENHANCEMENT – INVASIVE PLANT TREATMENT AREA

FLOOD WALL AND GREENWAY LANDSCAPING

FOREST RESTORATION – ADJACENT AREA PLANTING

100-YEAR FLOOD LIMIT

EDGE OF POND, ORDINARY HIGH WATER LINE

WETLAND LIMIT

SMITH POND WEIR

FLAG# SPW0Z17

FLAG# SPW02–18

VEGETATION

GRASS

ASPHALT

CONC CURB

CONC PAD

CONC PLATFORM

1-STORY BUILDING

6' METAL FENCE

6' CHAIN LINK FENCE

DIRT PATH

NASSAU ST.

LONG ISLAND RAILROAD

ABOVE GROUND RAIL ROAD LIMITS

CONC OVERPASS RAMP

CONC OVERPASS

EXISTING 36" & (2) 48" CULVERTS

100-FOOT WETLAND ADJACENT AREA

(2) EXISTING 5'X12' BOX CULVERTS

EX CATCH BASIN
GRATE= 11.64
12" CPP INV= 8.6 (N)

EX CATCH BASIN
GRATE= 11.45
8" CPP INV= 9.1 (NW)

EX CATCH BASIN
GRATE= 12.10
8" CPP INV= 9.7 (N)

EX SS MH
RIM= 12.12
10" PLASTIC INV= 3.3 (E)
19" PLASTIC INV= 5.9 (N)

EX SS MH
RIM= 12.02
8" UNKNOWN INV= 5.8 (SE)
8" UNKNOWN INV= 5.8(N)

EX CATCH BASIN
GRATE= 8.77
8" CPP INV= 7.4 (NE)

RECORD SS MH
36" RCP NO RECORD INV (SW)
36" RCP NO RECORD INV (SE)

RECORD SD MH
48" RCP NO RECORD INV (S)
48" RCP NO RECORD INV (NE)

EX CATCH BASIN
GRATE= 8.77
15" RCP INV= 5.0 (NE)

RECORD SS MH
36" RCP NO RECORD INV (NE)
42" RCP RECORD INV= -4.3 (NW)
54" RCP RECORD INV= -5.1 (SE)

EX SD MH
RIM= 9.25
PARTIALLY FULL OF WATER

EX SS MH
RIM= 9.46
24" RCP INV= -2.4 (E)
24" RCP INV= -0.3 (W)

EX CATCH BASIN
GRATE= 8.67
18" RCP INV= INACCESSIBLE
12" RCP INV= 5.5 (SE)

EX SS MH
RIM= 9.21
30" RCP INV= -3.1 (N)
30" RCP INV= -2.9 (E)
30" RCP INV= -2.9 (S)

EX SD MH
RIM= 8.90
42" RCP INV= 1.8 (NE)
42" RCP INV= 1.7 (SW)

EX SD MH
RIM=9.26
18" RCP INV= 4.3 (SW)
42" RCP INV= 1.3 (NE)
48" RCP INV= 1.3 (SW)
18" RCP INV= 4.7 (E)

EX SS MH
RIM= 10.53
21" RCC RECORD INV= -5.0 (SW)
54" UNK INV= -5.4 (N)
54" UNK INV= -5.4 (S)

REC SS MH
12" AC RECORD INV= -2.4 (NW)
REC SS MH
12" AC RECORD INV= -2.4 (SE)
12" ACP RECORD INV= -2.4 (NW)
21" RCC RECORD INV= -2.4 (NE)

EX SS MH
RIM= 9.11
24" RCP INV= -2.3 (W)
24" RCP INV= -2.3 (NE)

EX CATCH BASIN
GRATE= 8.14
18" RCP INV= 3.9 (NW)

SEWER LINE FROM RECORD

LIMIT OF SURVEY BY GAYRON DE BRUIN

SCALE: 1" = 30'

N

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

LANDSCAPING PLAN
(4 OF 8)

Drawing Number L-104

Sheet 64 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-L101 Landscaping Plan.dwg Jul 27, 2020

MATCH LINE, SEE DRAWING L-106

MATCH LINE, SEE DRAWING L-104

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

LANDSCAPING PLAN
(5 OF 8)

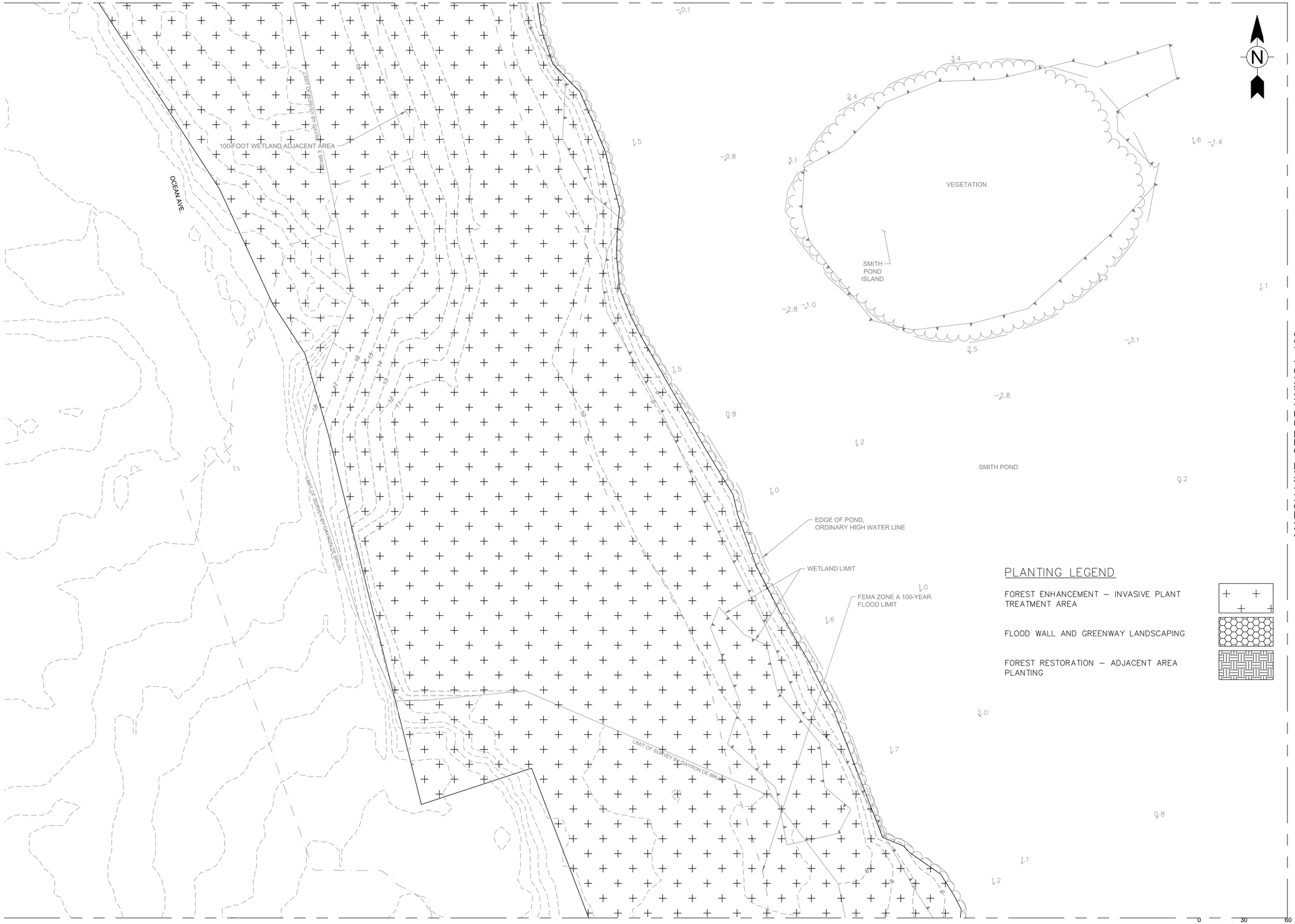
Drawing Number L-105

Sheet 65 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-L101 Landscaping Plan.dwg Jul 27, 2020

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-L101 Landscaping Plan.dwg Jul 27, 2020

MATCH LINE, SEE DRAWING L-107



MATCH LINE, SEE DRAWING L-102

MATCH LINE, SEE DRAWING L-105

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

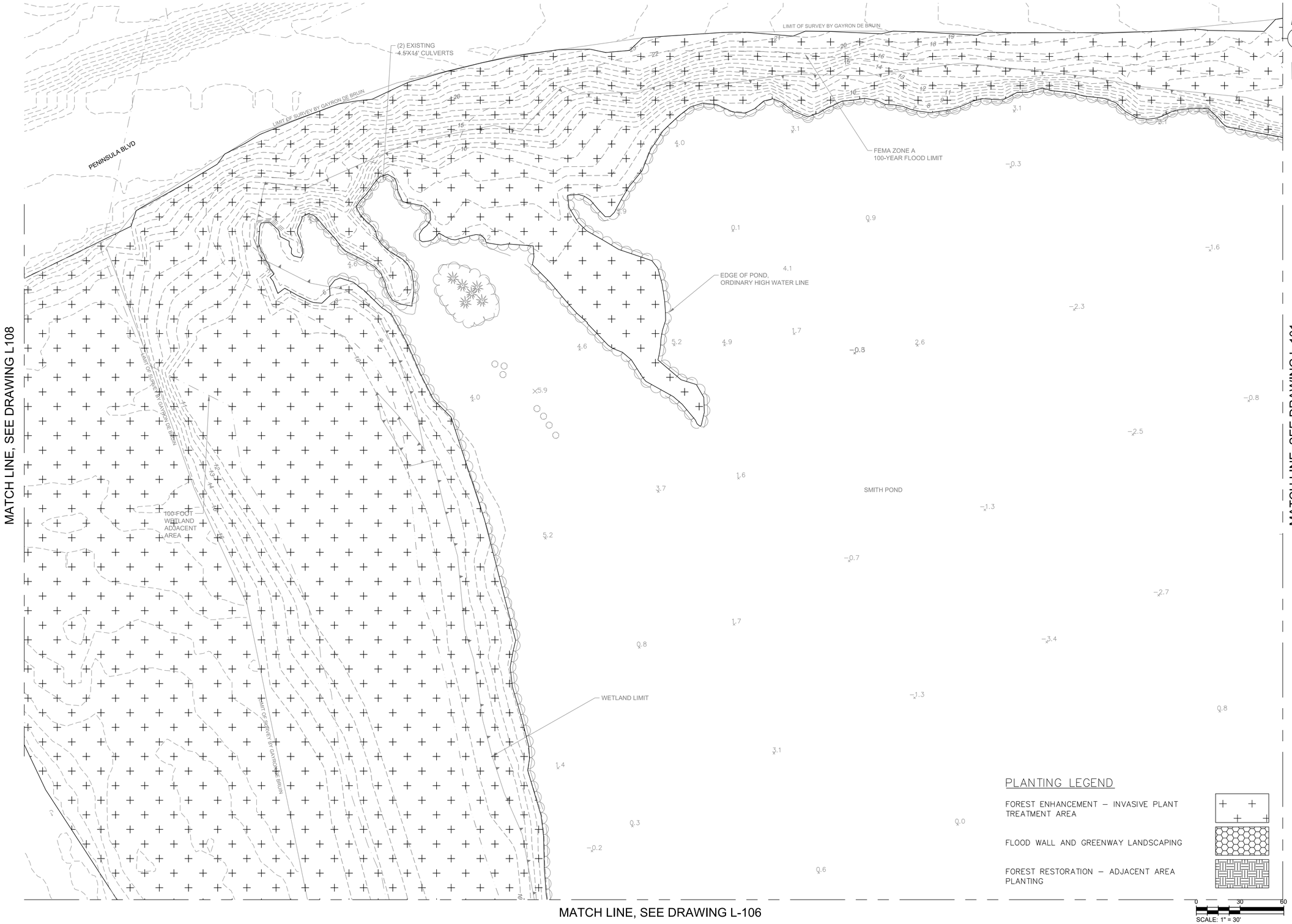
Drawing Title

LANDSCAPING PLAN
(6 OF 8)

Drawing Number L-106

Sheet 66 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-L101 Landscaping Plan.dwg Jul 27, 2020



FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

LANDSCAPING PLAN
(7 OF 8)

Drawing Number L-107

Sheet 67 of 93

PLANTING LEGEND

FOREST ENHANCEMENT – INVASIVE PLANT TREATMENT AREA

FLOOD WALL AND GREENWAY LANDSCAPING

FOREST RESTORATION – ADJACENT AREA PLANTING

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

LANDSCAPING PLAN
(8 OF 8)

Drawing Number L-108

Sheet 68 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-L101 Landscaping Plan.dwg Jul 27, 2020

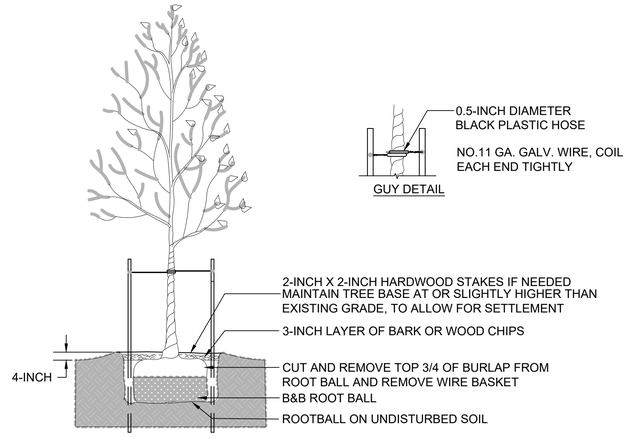
PLANTING NOTES:

1. PLANTINGS WILL OCCUR DURING THE SPRING GROWING SEASON AFTER COMMENCEMENT OF INVASIVE SPECIES TREATMENT.
2. ALL PLANT MATERIAL IN FOREST ENHANCEMENT PLANTING AREAS SHALL BE ESTABLISHED IN A NATURALIZED PATTERN. NATURALIZED PLANTING SHALL RESULT IN A RELATIVELY EVEN DISTRIBUTION OF EACH SPECIES ACROSS THE PLANTING AREA AT THE DENSITY SPECIFIED BY THE ENGINEER.
3. PLANTING LOCATIONS AND SPACING WITHIN PLANTING ZONES MAY BE ALTERED BY ENGINEER TO ADDRESS SITE SPECIFIC CONDITIONS.
4. THE CONTRACTOR SHALL SUBMIT COPIES OF THE PLANT MATERIAL ORDERS TO THE ENGINEER AT LEAST SIX MONTHS PRIOR TO THE PROPOSED PLANTING DATE.
5. ALL PROPOSED CHANGES TO THE PLANTING PLAN SHALL BE MADE IN WRITING TO THE ENGINEER AT LEAST SIX MONTHS PRIOR TO PLANTING. ALL PROPOSED CHANGES MUST BE APPROVED IN WRITING.
6. ALL PLANT STOCK WILL BE INSPECTED ON-SITE PRIOR TO INSTALLATION. PLANTING STOCK NOT MEETING SPECIFICATIONS WILL NOT BE PLANTED AND SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
7. IF BARE ROOT STOCK IS PROPOSED BY THE CONTRACTOR AND ACCEPTED AS A SUBSTITUTE, AS SOLEY DETERMINED BY THE SITE REPRESENTATIVE, ALL BARE ROOT PLANT MATERIAL SHALL BE INOCULATED WITH MYCORRHIZAE FUNGI EITHER AT THE NURSERY OR ON-SITE AT THE TIME OF PLANTING. THE METHOD OF INOCULATION SHALL BE APPROVED IN ADVANCE BY THE SITE REPRESENTATIVE.
8. THE ESTABLISHMENT PERIOD FOR TREES AND SHRUBS IS FROM MARCH 15 TO MAY 15.
9. PLANTING WILL BE SUPERVISED BY A CERTIFIED PROFESSIONAL WETLAND SCIENTIST OR CERTIFIED ECOLOGICAL RESTORATION PROFESSIONAL.
10. HERBACEOUS COMPETITION MAY BE CONTROLLED PRIOR TO PLANTING AND THROUGHOUT THE MAINTENANCE AND MONITORING PERIOD BY ACCEPTABLE MECHANICAL AND/OR CHEMICAL METHODS, AS SOLELY DETERMINED BY THE ENGINEER.
11. WORK WILL INCLUDE BUT IS NOT LIMITED TO THE PREPARATION OF AREAS FOR PLANTING; THE FURNISHING, PLANTING AND WATERING OF SPECIFIED TREES AND SHRUBS; THE MAINTENANCE OF PLANTINGS UNTIL ACCEPTANCE BY THE ENGINEER; AND THE CLEANUP AND RESTORATION OF ANY DISTURBED AREAS TO THE CONDITION PRIOR TO THE CONTRACTORS OPERATIONS.
12. LEGIBLE TAGS SHALL BE ATTACHED TO EACH TREE. TREES THAT FAIL TO MEET REQUIREMENTS WILL BE REJECTED. REJECTED PLANTS SHALL BE REMOVED FROM THE SITE IMMEDIATELY AND APPROVED REPLACEMENT STOCK THAT MEETS REQUIREMENTS WILL BE PLANTED IN THE PRESCRIBED MANNER BY THE CONTRACTOR AT HIS EXPENSE. FINAL WRITTEN ACCEPTANCE OF THE PLANTS WILL BE GIVEN ONLY AFTER THEY HAVE BEEN PLANTED AND AFTER THE REQUIREMENTS ESTABLISHED IN THE SPECIFICATION ARE MET.
13. NO PLANTING HOLES SHALL BE EXCAVATED IN ADVANCE OF PLANTING OPERATIONS. THE PLANTING HOLES MUST BE APPROVED BY THE ENGINEER PRIOR TO THE START OF THE PLANTING OPERATION. EACH PLANT SHALL BE PLANTED IN AN INDIVIDUAL HOLE AS SPECIFIED. ALL PLANTS SHALL BE SET TO ULTIMATE FINISHED GRADE SO THAT THEY WILL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THEY BORE TO THE NATURAL GRADE BEFORE.
14. THE CONTRACTOR SHALL PROVIDE A PLANT GUARANTEE FOR SHRUBS AND TREES.
15. TREE TRUNKS SHALL NOT BE WRAPPED.
16. PRIOR TO BACKFILLING, BALLED AND BURLAPPED TREES SHALL HAVE BURLAP AND TWINE REMOVED FROM AROUND THE TRUNKS, STEMS AND TOPS OF THE BALLS. THE BURLAP SHALL BE PEELED BACK OFF THE TOP OF THE BALL, OR IF BULKY, CUT AWAY AND REMOVED FROM THE UPPER THREE-QUARTERS OF THE SOIL BALL. NO BURLAP SHALL BE PULLED OUT FROM UNDERNEATH THE BALL.
17. AT A MINIMUM, THE UPPER TWO-THIRDS OF THE WIRE BASKET SHALL BE REMOVED FROM THE ROOT BALL AFTER THE TREES ARE SET IN THE PLANTING PIT BY CUTTING WITH ANY TOOL THAT DOES NOT DESTROY THE INTEGRITY OF THE ROOT BALL OR INJURE THE TREE ROOTS. THE REMAINING LOWER SECTION OF THE WIRE BASKET SHALL BE FLATTENED AS MUCH AS POSSIBLE IN THE PLANTING HOLE.
18. ONLY THE PRESCRIBED APPROVED TOPSOIL MAY BE USED TO BACKFILL THE HOLES DURING PLANTING OPERATIONS. UNSUITABLE EXCAVATED MATERIAL, AS DESIGNATED BY THE ENGINEER, SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR AT HIS EXPENSE.
19. THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHEN PLANTING IS COMPLETED AND SHALL REQUEST AN INSPECTION IN ORDER TO DETERMINE WHETHER OR NOT THE PROJECT MEETS THE SPECIFICATIONS CONTAINED HEREIN. IF THE WORK IS ACCEPTABLE, A WRITTEN NOTICE SHALL BE PROVIDED STATING SO. IF DEFICIENCIES ARE FOUND IN THE WORK, A LIST OF ITEMS REQUIRING ATTENTION SHALL BE FURNISHED TO THE CONTRACTOR BY THE ENGINEER, THE CONTRACTOR SHALL CORRECT THE DEFICIENCIES WITHIN TEN (10) DAYS AND A RE-INSPECTION SHALL BE MADE. THIS PROCEDURE WILL CONTINUE UNTIL THE WORK IS FOUND ACCEPTABLE.
20. MEANS AND METHODS FOR PLANTING SHALL BE APPROVED BY THE ENGINEER OF RECORD. PLANTING OPERATIONS SHALL BE PERFORMED UNDER THE INSPECTION OF THE ENGINEER OF RECORD.

PLANTING TABLE

SEEDING NOTES:

1. THE PROPOSED FOREST ENHANCEMENT, FLOOD WALL AND GREENWAY LANDSCAPING, AND FOREST RESTORATION SHALL BE SEEDED WITH THE PERMANENT SEED MIX AT THE SPECIFIED RATE.
2. THE SEEDING SHALL BE CONDUCTED IN THE SPRING BETWEEN MAY 1 AND JUNE 1.
3. THE SEEDING PROGRAM SHALL NOT INCLUDE THE APPLICATION FERTILIZER OR LIME.
4. THE SEED BED IN AREAS WITH COMPACTED SOILS SHALL BE PREPARED BY DISCING TO A DEPTH OF 4 INCHES.
5. SEED SHALL BE EVENLY SPREAD EITHER BY HAND OR MECHANICAL MEANS AT THE SPECIFIED RATE. THE PROPOSED METHOD OF SEEDING IS SUBJECT TO APPROVAL BY THE ENGINEER.
6. IMMEDIATELY FOLLOWING SEEDING, SEED SHALL BE INCORPORATED INTO SOIL 1/4 TO 1/2 INCH USING A RAKE, CHAIN OR TINE HARROW, OR SIMILAR EQUIPMENT. THE EQUIPMENT USED TO COMPLETE THIS TASK IS SUBJECT TO APPROVAL BY THE ENGINEER.
7. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THE SEEDING IS CONDUCTED TO OBTAIN AN EVEN DISTRIBUTION OF SEED WITHIN THE SPECIFIED PLANTING AREA AND ESTABLISHING SUITABLE SEED-SOIL CONTACT.
8. ALL AREAS WITHIN THE LIMIT DISTURBANCE NOT MARKED FOR A PERMANENT SEED MIX SHALL RECEIVE AN APPLICATION OF ANNUAL RYE AT 25 LBS/ACRE AND PERENNIAL RYE AT 25 LBS/ACRE IMMEDIATELY FOLLOWING THE COMPLETION OF WORK IN THE AREA AND AT THE DIRECTION OF THE ENGINEER.



NOTES:

1. DO NOT DAMAGE MAIN ROOTS OR DESTROY ROOT BALL WHEN INSTALLING TREE STAKE.
2. WATER THOROUGHLY AFTER INSTALLATION.
3. REMOVE TREE RINGS AND STAKES TWO YEARS AFTER INSTALLATION.
4. ALL TREES MUST BE TAGGED AND APPROVED BY ENGINEER WITHIN 14 DAYS AFTER INSTALLATION.

BALLED & BURLAP TREE PLANTING (TYP)

PERMANENT SEED MIX

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

LANDSCAPING
DETAILS

Drawing Number L-201

Sheet 69 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-L107 Landscaping Details.dwg Jul 27, 2020

GENERAL MAINTENANCE OF TRAFFIC NOTES

1. ALL TEMPORARY TRAFFIC CONTROL SIGNS, FLASHERS, DRUMS AND OTHER DEVICES SHALL BE IN COMPLIANCE WITH THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND NEW YORK STATE DEPARTMENT OF TRANSPORTATION.
2. THE CONTRACTOR SHALL VERIFY ACCURACY OF ALL EXISTING INFORMATION PRIOR TO THE COMMENCEMENT OF WORK.
3. CONTRACTOR SHOULD ADJUST WORK AREA AS NEEDED TO COMPLETE WORK.
4. CONTRACTOR SHALL COORDINATE ALL LANE CLOSURES WITH NASSAU COUNTY TRAFFIC MANAGEMENT. LANE AND ROAD CLOSURES SHALL BE IN COMPLIANCE WITH NASSAU COUNTY TRAFFIC MANAGEMENT. LANE CLOSURE FORMS ARE AVAILABLE ON THE COUNTY WEBSITE AND MUST BE SUBMITTED BY 3PM PRIOR TO PLANNED CLOSURE.
5. IN ADDITION TO THOSE NOTED ON THE PLANS, ANY SIGNS WHICH COULD CAUSE CONFUSION TO MOTORISTS DURING CONSTRUCTION SHALL BE COVERED BY THE CONTRACTOR WITH OPAQUE MATERIALS, SUCH AS BURLAP OR CANVAS AS DIRECTED BY THE ENGINEER, AND SHALL BE UNCOVERED AT THE END OF THE WORK PERIOD.
6. UPON COMPLETION OF DAILY CONSTRUCTION ACTIVITIES, ALL OPEN TRENCHES AND/OR EXCAVATIONS SHALL BE EITHER BACKFILLED OR COVERED WITH STEEL ROADWAY PLATES BEFORE THE ROADWAYS AND LOADING DOCK AREAS ARE REOPENED TO TRAFFIC.
7. LOCATION OF CONSTRUCTION SIGNS CAN BE MODIFIED TO MEET FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
8. ALL TEMPORARY MAINTENANCE OF TRAFFIC AND WORK AREA PROTECTION SIGN SUPPORTS AND MOUNTINGS SHALL BE SO CONSTRUCTED TO HOLD THE SIGNS IN THEIR PROPER POSITION, TO RESIST SWAYING IN THE WIND OR DISPLACEMENT BY VANDALISM.
9. THE CONTRACTOR SHALL NOT MOVE ANY CONSTRUCTION EQUIPMENT OUTSIDE THE ESTABLISHED WORK AREA IN THE OPPOSITE DIRECTION OF ROADWAY TRAFFIC.
10. ALL CONSTRUCTION VEHICLES AND EQUIPMENT SHALL BE PROPERLY IDENTIFIED WITH A FUNCTIONAL ROTATING YELLOW BEACON LIGHT.
11. EXISTING AND TEMPORARY PEDESTRIAN CROSSWALKS AND SIDEWALKS (MIN. 8 FEET WIDE) THROUGH A CONSTRUCTION AREA, IF IN CONFLICT WITH THE PROGRESS OF CONSTRUCTION, SHALL BE RELOCATED TO AN INTERIM LOCATION AS DETERMINED BY THE ENGINEER.
12. THE TEMPORARY MAINTENANCE OF TRAFFIC AND WORK AREA PROTECTION DEVICE LOCATIONS SHOWN ON THE CONTRACT DRAWINGS ARE SCHEMATIC, EXCEPT AS NOTED. THE EXACT LOCATIONS FOR SAID TRAFFIC CONTROL DEVICES SHALL CONFORM TO EXISTING ROADWAY CONDITIONS OR AS DIRECTED BY THE ENGINEER.
13. UNLESS DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL LIMIT HIS WORK TO ONE CONSTRUCTION STAGE AT A TIME.
14. ALL SIGNS AND OTHER TRAFFIC CONTROL DEVICES REQUIRED FOR MAINTENANCE OF TRAFFIC SHALL BE INSTALLED BY THE CONTRACTOR, AND APPROVED BY THE ENGINEER PRIOR TO COMMENCING WORK.
15. ALL UTILITY MODIFICATIONS/RELOCATIONS/NEW INSTALLATIONS SHALL BE UNDERTAKEN WITHIN THE STAGING LIMITS SHOWN ON THE CONTRACT DRAWING PRIOR TO OR SIMULTANEOUSLY WITH ALL OTHER WORK WITHIN THOSE STAGING LIMITS, EXCEPT AS NOTED.

LEGEND

- ⊘ – PLASTIC DELINEATOR DRUMS @ 20' O.C. UNLESS OTHERWISE NOTED
- – TEMPORARY SIGN LOCATION AND ORIENTATION
- – WORK AREA; SEE CIVIL DRAWINGS FOR LIMITS AND DETAILS
- – LANE/AREA CLOSED
- – DIRECTION OF TRAFFIC FLOW
- N.T.S. – NOT TO SCALE
- TYP. – TYPICAL
- – BREAKAWAY BARRICADE (TYPE III)

SIGN DATA TABLE

MESSAGE & TEXT SIZES	COLORS, SIZE	MUTCD NO.
END ROAD WORK	B/O 36" X 18"	G20-2
ROAD WORK AHEAD	B/O 36" X 36"	W20-1
	B/O 36" X 36"	W4-2R
RIGHT LANE CLOSED AHEAD	B/O 36" X 36"	W20-5R
PARKING LOT CLOSED	B/O 36" X 36"	N/A
WARNING TRUCKS ENTERING AND EXITING	B/O 36" X 36"	N/A
SIDEWALK CLOSED	B/W 24" X 12"	R9-9

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

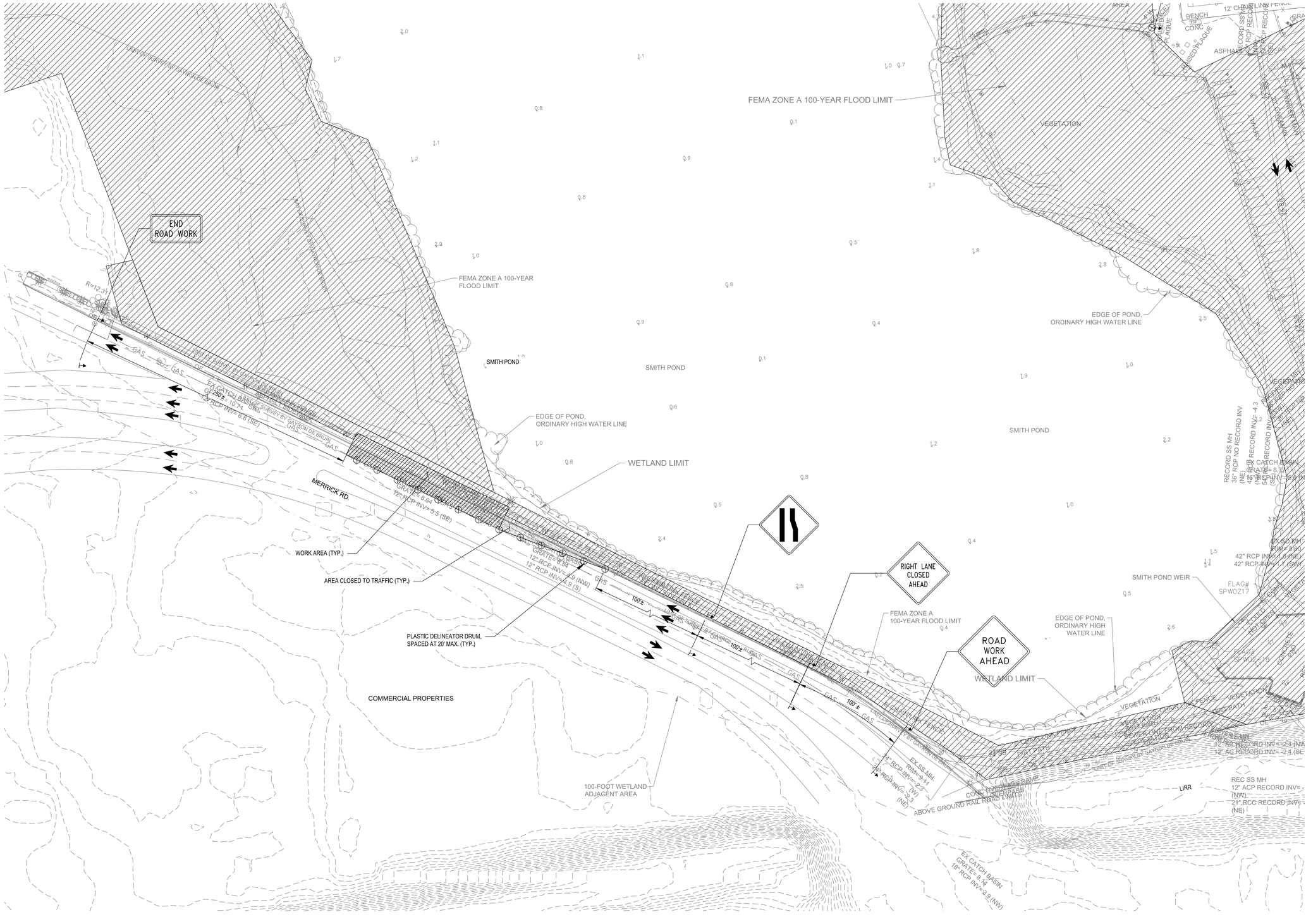
Drawing Title

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES AND LEGEND

Drawing Number MPT-100

Sheet 70 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-MPT Details.dwg Jul 27, 2020



LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-MPT101.dwg Jul 27, 2020

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

STATE OF NEW YORK — REBECCA DOUGHERTY MAZZOLLA — 100223 — LICENSED PROFESSIONAL ENGINEER

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

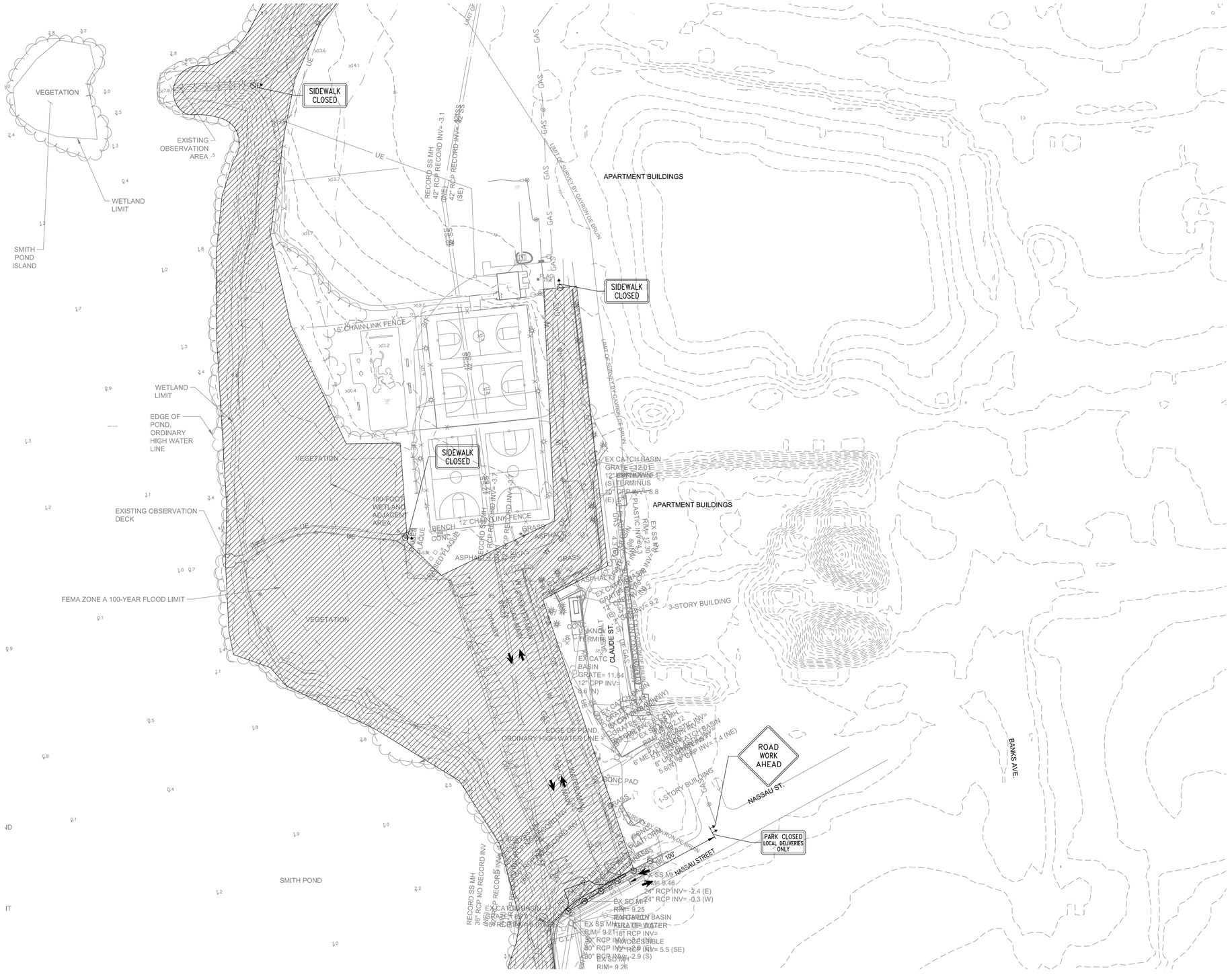
GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

MAINTENANCE AND PROTECTION OF TRAFFIC - MERRICK ROAD

Drawing Number MPT-201

Sheet 71 of 93



FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

STATE OF NEW YORK
REBECCA DOUGHERTY MAZZOLLA
100223
LICENSED PROFESSIONAL ENGINEER

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

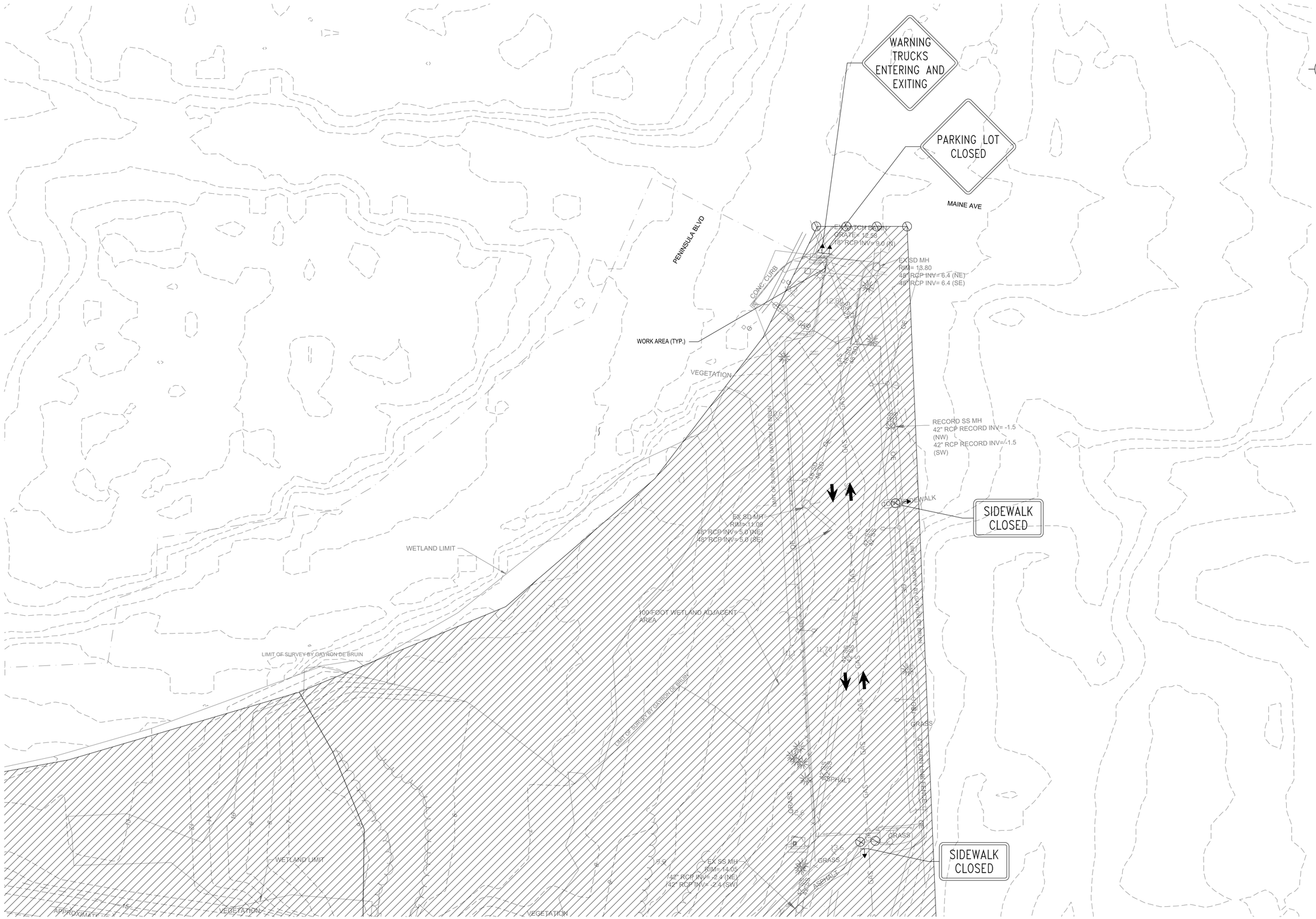
MAINTENANCE AND PROTECTION OF TRAFFIC FOR STAGE 2

Drawing Number MPT-202

Sheet 72 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fa\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-MPT101.dwg Jul 27, 2020

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\lp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-MPT101.dwg Jul 27, 2020



FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

STATE OF NEW YORK
REBECCA DOUGHERTY MAZZOLLA
100223
LICENSED PROFESSIONAL ENGINEER

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

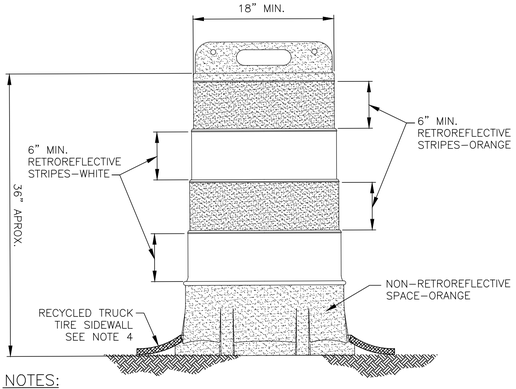
GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

MAINTENANCE PROTECTION OF TRAFFIC FOR STAGE 1

Drawing Number MPT-203

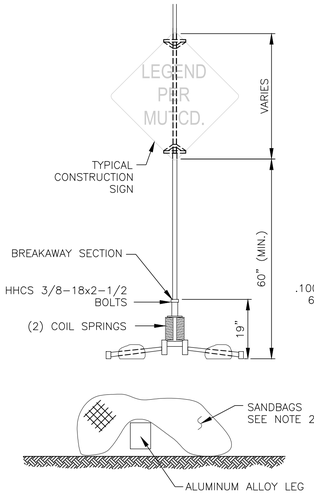
Sheet 73 of 93



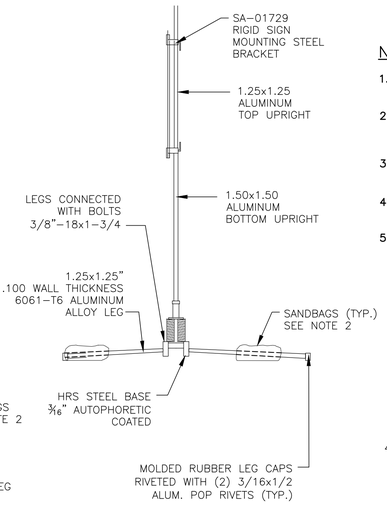
NOTES:

1. THE TOP OF THE DRUM SHALL NOT BE OPEN. DRUMS SHALL BE CONSTRUCTED TO PREVENT ROLLING IF KNOCKED OVER. DRUMS SHALL BE MOLDED WITH INTEGRAL TOP–MOUNTED LIFTING HANDLE WITH 2 BOLT HOLES SUITABLE FOR ATTACHING FLASHER LIGHTS.
2. DRUMS SHALL BE MADE OF ORANGE PLASTIC WITH A MINIMUM OF FOUR ALTERNATE ORANGE AND WHITE RETROREFLECTIVE STRIPES. IF THERE ARE NON–RETROREFLECTIVE SPACES BETWEEN THE STRIPES, THEY SHALL NOT BE MORE THAN 2" WIDE. THE ORANGE AND WHITE RETROFLECTIVE STRIPES SHALL BE 3M CO. FLEXIBLE HIGH INTENSITY GRADE SHEETING SERIES #3810 'SCOTCH–LITE' OR APPROVED EQUAL.
3. TYPICALLY, DRUMS SHALL BE ROUND EXCEPT THAT OTHER SHAPES, WHICH PROVIDE THE SAME VISIBILITY AS AN 18" DIAMETER ROUND DRUM REGARDLESS OF ORIENTATION, MAY BE USED IF APPROVED BY THE ENGINEER.
4. WHEN DRUMS ARE TO REMAIN IN PLACE FOR MORE THAN ONE WORK SHIFT, SAND BAGS, RECYCLED TRUCK TIRE SIDEWALLS OR OTHER NON–RIGID BALLAST IS REQUIRED. THE MAXIMUM WEIGHT OF THE BALLAST SHALL BE 50LBS AND BE LOCATED APPROXIMATELY AT GROUND LEVEL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION. ENCASE DRY SAND BALLAST IN WATERPROOF POLYPROPYLENE BAGS.
5. DRUMS SHALL NOT BE PLACED IN THE ROADWAY WITHOUT ADVANCE WARNING SIGNS.
6. MINOR MANUFACTURER'S VARIATIONS MAY BE ACCEPTABLE UPON APPROVAL OF THE ENGINEER.

D 1 – PLASTIC DELINEATOR DRUMS N.T.S.



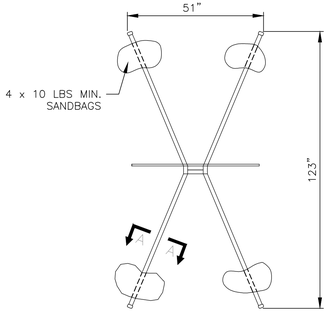
SECTION A–A (TYP.)

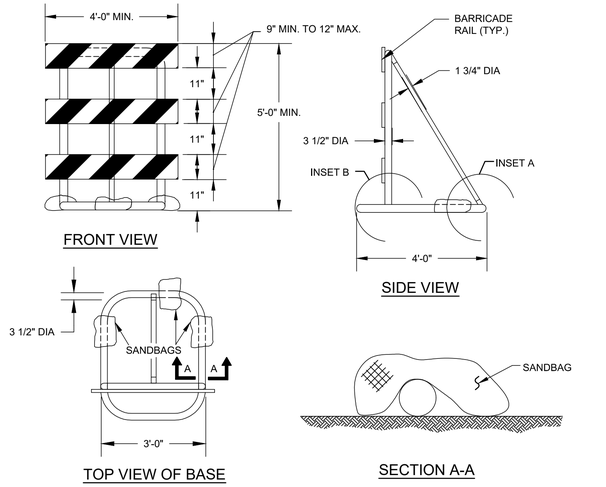


D 2 – X–BASE SIGN STAND DETAIL N.T.S.

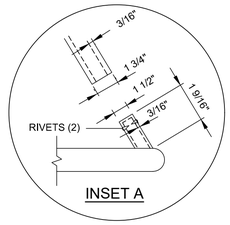
NOTES:

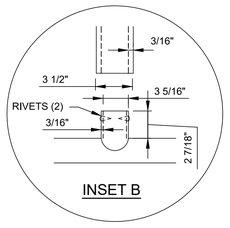
1. SIGN STANDS WITH SIGNS SHALL BE CRASHWORTHY AS PER NCHRP, REPORT 350 CRITERIA.
2. EACH SANDBAG (10 LBS. BY WEIGHT, MINIMUM) SHALL BE FABRICATED AND INSTALLED TO WITHSTAND GALE FORCE WINDS UP TO 70MPH AND VEHICLE GUSTS.
3. THE SANDBAGS SHALL BE FABRICATED AND PLACED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.
4. MINOR MANUFACTURER'S VARIATIONS MAY BE ACCEPTABLE UPON APPROVAL BY THE ENGINEER.
5. FOR CONSTRUCTION SIGNS INSTALLED ON SUPPORTS OTHER THAN X–BASE SIGN STANDS WHERE THERE IS EXPECTED PEDESTRIAN ACTIVITY, MOUNT BOTTOM OF SIGN AT 7' MIN.





D 3 – TYPE III BARRICADE NTS





NOTES:

1. THE BARRICADE RAILS SHALL BE FABRICATED FROM 0.125" MAX. PLASTIC SHEETING AND SHALL BE ATTACHED, 4 PER RAIL, WITH 1" NO. 14 PAN HEAD METAL SCREWS OR PLASTIC RIVETS. ALL CORNERS SHALL BE ROUNDED.
2. ORANGE AND SILVER (OR WHITE) STRIPES SHALL BE RETRO REFLECTIVE SHEETING, ASTM D 4956 TYPE III, AS SHOWN FOR CONSTRUCTION SIGNS. ALTERNATE ORANGE AND SILVER (OR WHITE) STRIPES 6" WIDE SLOPING DOWNWARD AT AN ANGLE OF 45° IN THE DIRECTION TRAFFIC IS TO PASS.
3. THE SANDBAGS SHALL BE FABRICATED AND PLACED ACCORDING TO THE MANUFACTURER'S RECOMMENDATION OR AS DIRECTED BY THE ENGINEER.
4. THE BASE AND UPRIGHT SHALL BE ⅜"Ø ROTATIONALLY MOLDED POLYETHYLENE PLASTIC. THE BRACE SHALL BE 1 3/4" EXTRUDED POLYETHYLENE PLASTIC. POLYETHYLENE PLASTIC SHALL BE WHITE AND SHALL BE ULTRAVIOLET LIGHT STABILIZED.
5. RAIL STRIPE WIDTH SHALL BE 6".
6. THE FRAMING FOR THE BARRICADE PANELS SHALL BE NCHRP 350 CRASH TESTED AND FHWA APPROVED.

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND REHABILITATION PROJECT (PROJECT L)

VILLAGE OF ROCKVILLE CENTRE, LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

MAINTENANCE AND PROTECTION OF TRAFFIC DETAILS

Drawing Number MPT-301

Sheet 74 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-MPT Details.dwg Jul 27, 2020

PARKING SUMMARY:

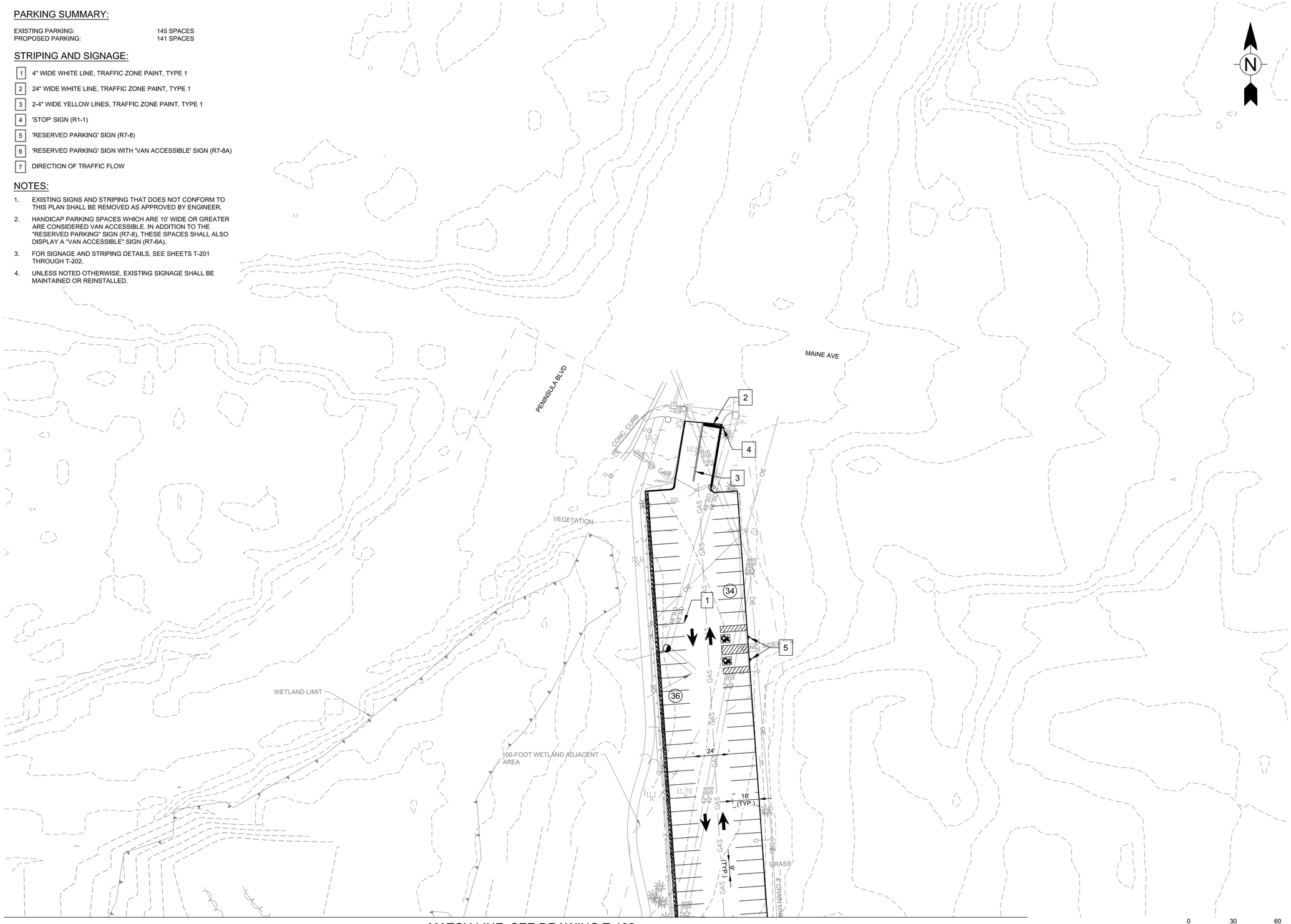
EXISTING PARKING:	145 SPACES
PROPOSED PARKING:	141 SPACES

STRIPING AND SIGNAGE:

1. 4" WIDE WHITE LINE, TRAFFIC ZONE PAINT, TYPE 1
2. 24" WIDE WHITE LINE, TRAFFIC ZONE PAINT, TYPE 1
3. 2-4" WIDE YELLOW LINES, TRAFFIC ZONE PAINT, TYPE 1
4. 'STOP' SIGN (R1-1)
5. 'RESERVED PARKING' SIGN (R7-8)
6. 'RESERVED PARKING' SIGN WITH 'VAN ACCESSIBLE' SIGN (R7-8A)
7. DIRECTION OF TRAFFIC FLOW

NOTES:

1. EXISTING SIGNS AND STRIPING THAT DOES NOT CONFORM TO THIS PLAN SHALL BE REMOVED AS APPROVED BY ENGINEER.
2. HANDICAP PARKING SPACES WHICH ARE 10' WIDE OR GREATER ARE CONSIDERED VAN ACCESSIBLE. IN ADDITION TO THE "RESERVED PARKING" SIGN (R7-8), THESE SPACES SHALL ALSO DISPLAY A "VAN ACCESSIBLE" SIGN (R7-8A).
3. FOR SIGNAGE AND STRIPING DETAILS, SEE SHEETS T-201 THROUGH T-202.
4. UNLESS NOTED OTHERWISE, EXISTING SIGNAGE SHALL BE MAINTAINED OR REINSTALLED.



MATCH LINE, SEE DRAWING T-102

0 30 60
SCALE: 1" = 30'

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

SIGNAGE AND
STRIPING
PLANS (1 OF 4)

Drawing Number T-101

Sheet 75 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\lp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-T101 Signage Striping Plan.dwg Jul 27, 2020

PARKING SUMMARY:

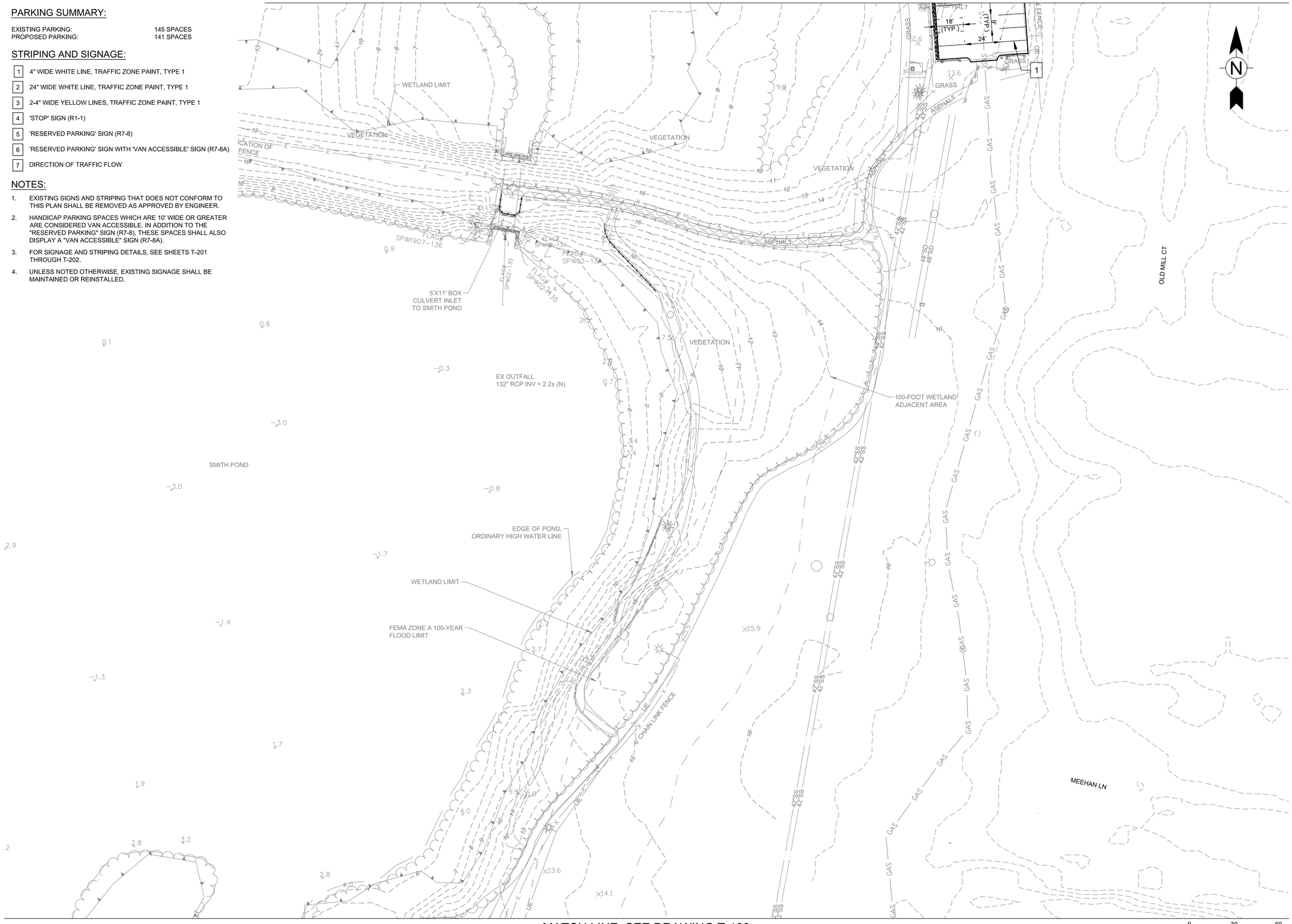
EXISTING PARKING:	145 SPACES
PROPOSED PARKING:	141 SPACES

STRIPING AND SIGNAGE:

1. 4" WIDE WHITE LINE, TRAFFIC ZONE PAINT, TYPE 1
2. 24" WIDE WHITE LINE, TRAFFIC ZONE PAINT, TYPE 1
3. 2-4" WIDE YELLOW LINES, TRAFFIC ZONE PAINT, TYPE 1
4. 'STOP' SIGN (R1-1)
5. 'RESERVED PARKING' SIGN (R7-8)
6. 'RESERVED PARKING' SIGN WITH 'VAN ACCESSIBLE' SIGN (R7-8A)
7. DIRECTION OF TRAFFIC FLOW

NOTES:

1. EXISTING SIGNS AND STRIPING THAT DOES NOT CONFORM TO THIS PLAN SHALL BE REMOVED AS APPROVED BY ENGINEER.
2. HANDICAP PARKING SPACES WHICH ARE 10' WIDE OR GREATER ARE CONSIDERED VAN ACCESSIBLE. IN ADDITION TO THE "RESERVED PARKING" SIGN (R7-8), THESE SPACES SHALL ALSO DISPLAY A "VAN ACCESSIBLE" SIGN (R7-8A).
3. FOR SIGNAGE AND STRIPING DETAILS, SEE SHEETS T-201 THROUGH T-202.
4. UNLESS NOTED OTHERWISE, EXISTING SIGNAGE SHALL BE MAINTAINED OR REINSTALLED.



FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

SIGNAGE AND
STRIPING
PLANS (2 OF 4)

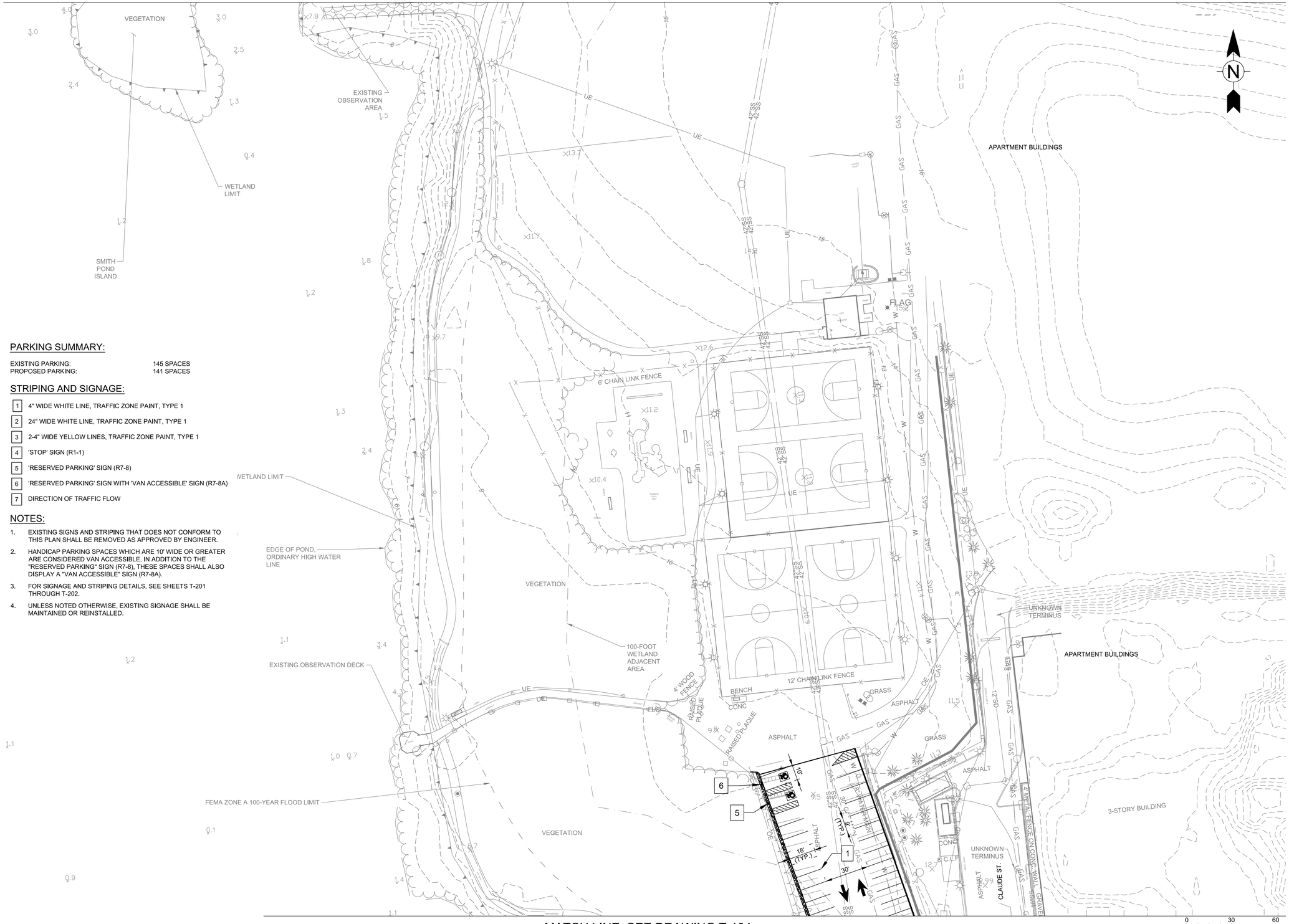
Drawing Number T-102

Sheet 76 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-T101 Signage Striping Plan.dwg Jul 27, 2020

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-T101 Signage Striping Plan.dwg Jul 27, 2020

MATCH LINE, SEE DRAWING T-102



PARKING SUMMARY:

EXISTING PARKING:	145 SPACES
PROPOSED PARKING:	141 SPACES

STRIPING AND SIGNAGE:

1. 4" WIDE WHITE LINE, TRAFFIC ZONE PAINT, TYPE 1
2. 24" WIDE WHITE LINE, TRAFFIC ZONE PAINT, TYPE 1
3. 2-4" WIDE YELLOW LINES, TRAFFIC ZONE PAINT, TYPE 1
4. 'STOP' SIGN (R1-1)
5. 'RESERVED PARKING' SIGN (R7-8)
6. 'RESERVED PARKING' SIGN WITH 'VAN ACCESSIBLE' SIGN (R7-8A)
7. DIRECTION OF TRAFFIC FLOW

NOTES:

1. EXISTING SIGNS AND STRIPING THAT DOES NOT CONFORM TO THIS PLAN SHALL BE REMOVED AS APPROVED BY ENGINEER.
2. HANDICAP PARKING SPACES WHICH ARE 10' WIDE OR GREATER ARE CONSIDERED VAN ACCESSIBLE. IN ADDITION TO THE "RESERVED PARKING" SIGN (R7-8), THESE SPACES SHALL ALSO DISPLAY A "VAN ACCESSIBLE" SIGN (R7-8A).
3. FOR SIGNAGE AND STRIPING DETAILS, SEE SHEETS T-201 THROUGH T-202.
4. UNLESS NOTED OTHERWISE, EXISTING SIGNAGE SHALL BE MAINTAINED OR REINSTALLED.

MATCH LINE, SEE DRAWING T-104

0 30 60
SCALE: 1" = 30'

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

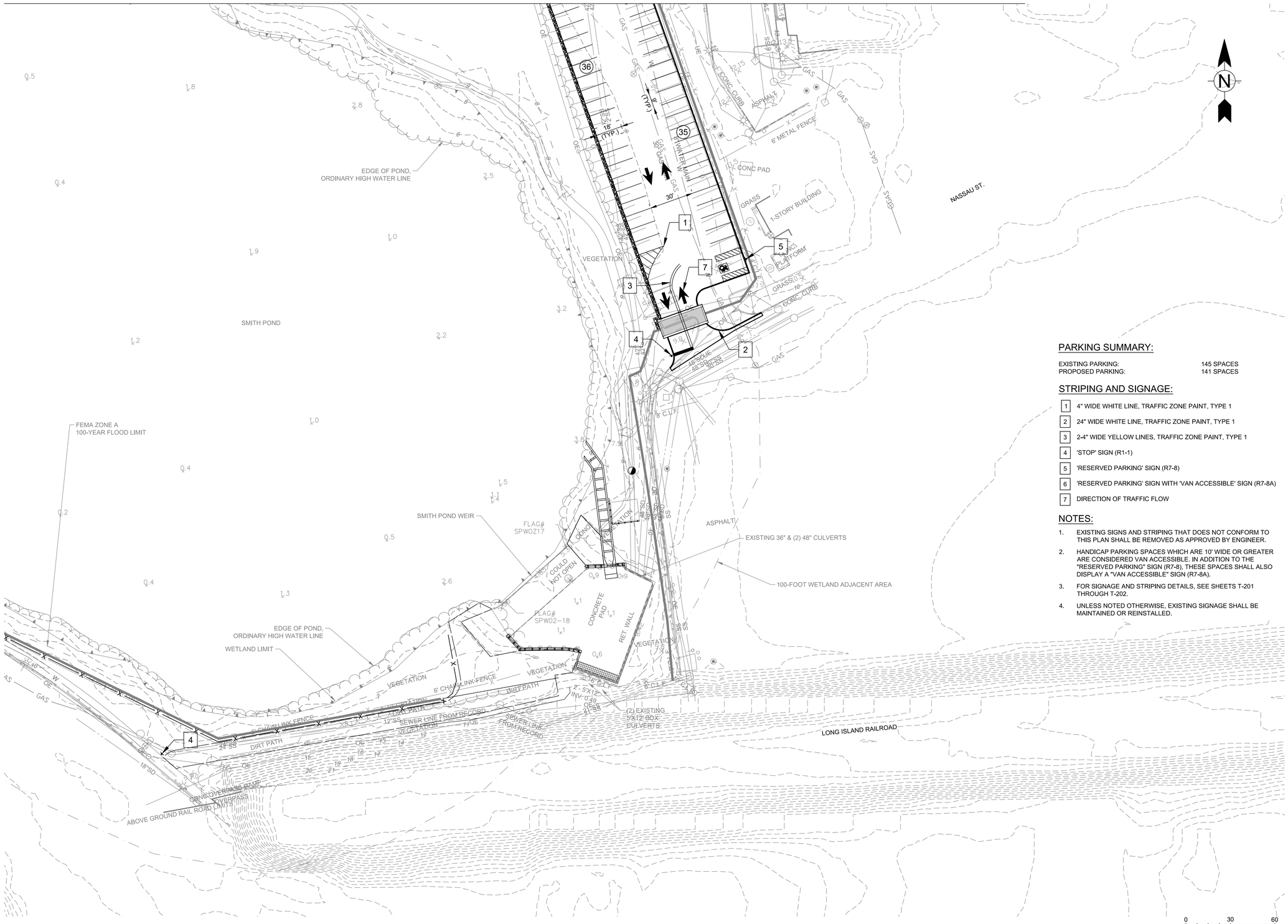
Drawing Title

SIGNAGE AND
STRIPING
PLANS (3 OF 4)

Drawing Number T-103

Sheet 77 of 93

MATCH LINE, SEE DRAWING T-103



PARKING SUMMARY:

EXISTING PARKING:	145 SPACES
PROPOSED PARKING:	141 SPACES

STRIPING AND SIGNAGE:

1. 4" WIDE WHITE LINE, TRAFFIC ZONE PAINT, TYPE 1
2. 24" WIDE WHITE LINE, TRAFFIC ZONE PAINT, TYPE 1
3. 2-4" WIDE YELLOW LINES, TRAFFIC ZONE PAINT, TYPE 1
4. 'STOP' SIGN (R1-1)
5. 'RESERVED PARKING' SIGN (R7-8)
6. 'RESERVED PARKING' SIGN WITH 'VAN ACCESSIBLE' SIGN (R7-8A)
7. DIRECTION OF TRAFFIC FLOW

NOTES:

1. EXISTING SIGNS AND STRIPING THAT DOES NOT CONFORM TO THIS PLAN SHALL BE REMOVED AS APPROVED BY ENGINEER.
2. HANDICAP PARKING SPACES WHICH ARE 10' WIDE OR GREATER ARE CONSIDERED VAN ACCESSIBLE. IN ADDITION TO THE "RESERVED PARKING" SIGN (R7-8), THESE SPACES SHALL ALSO DISPLAY A "VAN ACCESSIBLE" SIGN (R7-8A).
3. FOR SIGNAGE AND STRIPING DETAILS, SEE SHEETS T-201 THROUGH T-202.
4. UNLESS NOTED OTHERWISE, EXISTING SIGNAGE SHALL BE MAINTAINED OR REINSTALLED.

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

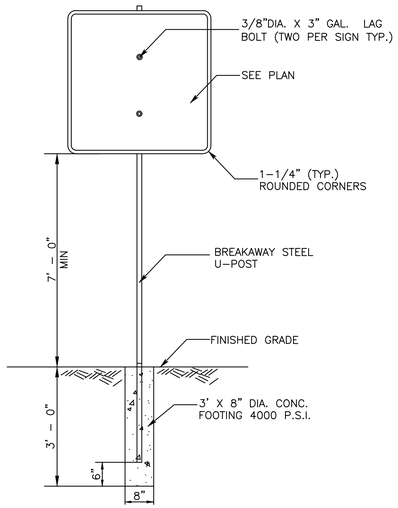
Drawing Title

SIGNAGE AND
STRIPING
PLANS (4 OF 4)

Drawing Number T-104

Sheet 78 of 93

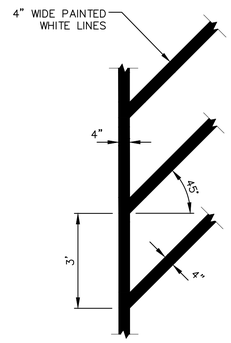
LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-T101 Signage Striping Plan.dwg Jul 27, 2020



NOTES:

1. ALL SIGNS TO CONFORM TO THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
2. OUTSIDE EDGE OF CLOSEST TO PARKING LOT SHALL BE A MINIMUM DISTANCE OF 2'.

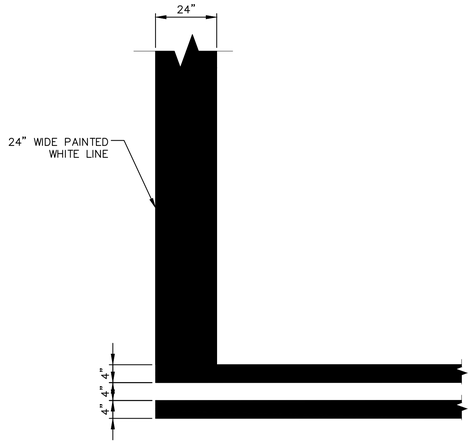
D 1 – SIGN POST DETAIL
N.T.S.



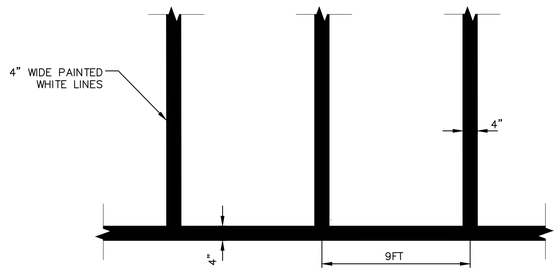
D 2 – CROSS HATCH MARKING DETAIL
N.T.S.

SIGN LEGEND TABLE

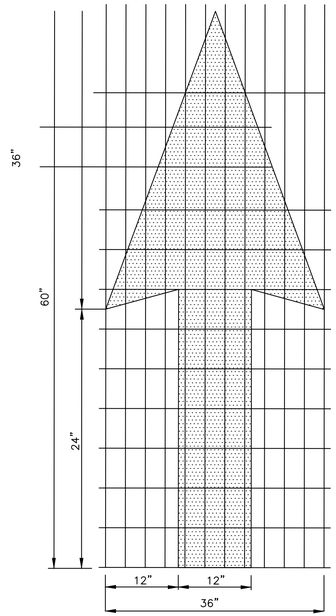
DESIGNATION	SYMBOL	SIZE
R1-1 WHITE ON RED	STOP	30"X30"
R7-8	RESERVED PARKING	12"x18"
R7-8A	VAN ACCESSIBLE	12"x6"



D 3 – DOUBLE YELLOW LINE WITH WHITE STOP LINE DETAIL
N.T.S.



D 4 – PARKING STRIPING DETAIL
N.T.S.



D 5 – ELONGATED ARROWS FOR PAVEMENT MARKINGS DETAIL
N.T.S.

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

SIGNAGE AND STRIPING DETAILS (1 OF 2)

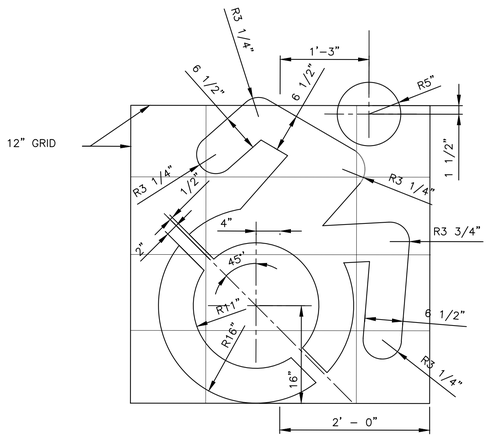
Drawing Number T-201

Sheet 79 of 93

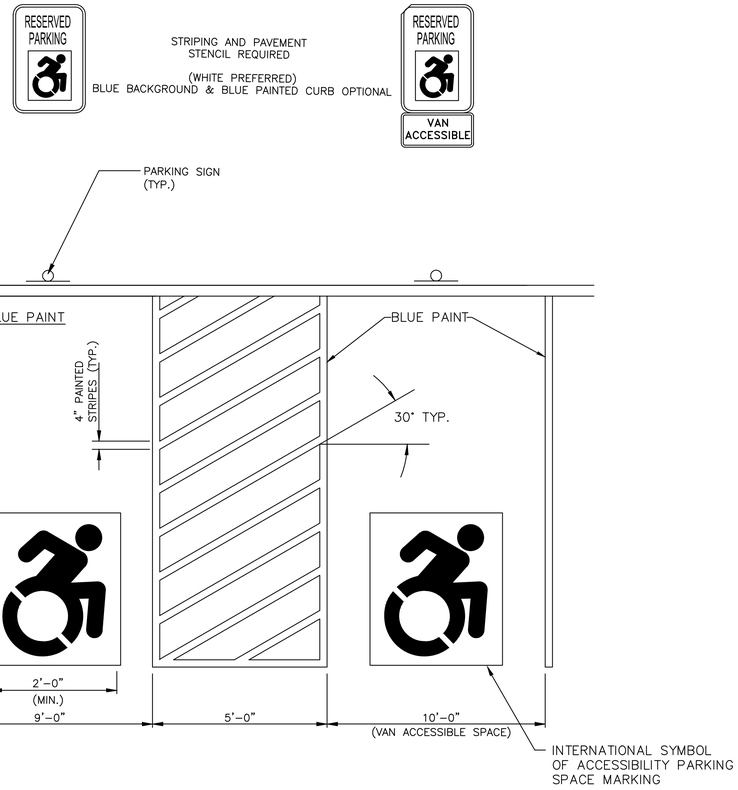
LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-T201 Signage Striping Details.dwg Jul 27, 2020

NOTE:

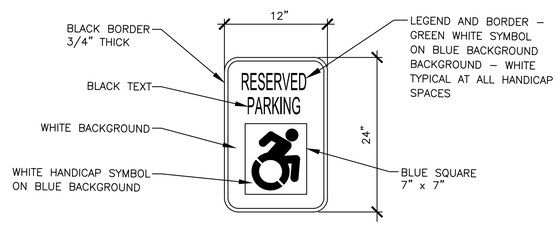
1. HANDICAP SYMBOL SHALL BE WHITE. IT MAY BE INSTALLED ALONE OR WITH A BLUE BACKGROUND WHICH EXTENDS A MINIMUM OF 3 INCHES BEYOND THE SYMBOL. IF MATERIAL THICKNESS OF SYMBOL IS GREATER THAN 20 MILS THE BLUE BACKGROUND MUST BE USED. ANY REDUCTION IN DIMENSIONS MUST BE APPROVED BY THE DEPARTMENT.



D 1 – HANDICAP MARKING DETAIL
N.T.S.



D 2 – ACCESSIBLE STALL DETAIL
N.T.S.



D 3 – HANDICAP PARKING SIGN DETAIL
N.T.S.

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

SIGNAGE AND
STRIPING DETAILS
(2 OF 2)

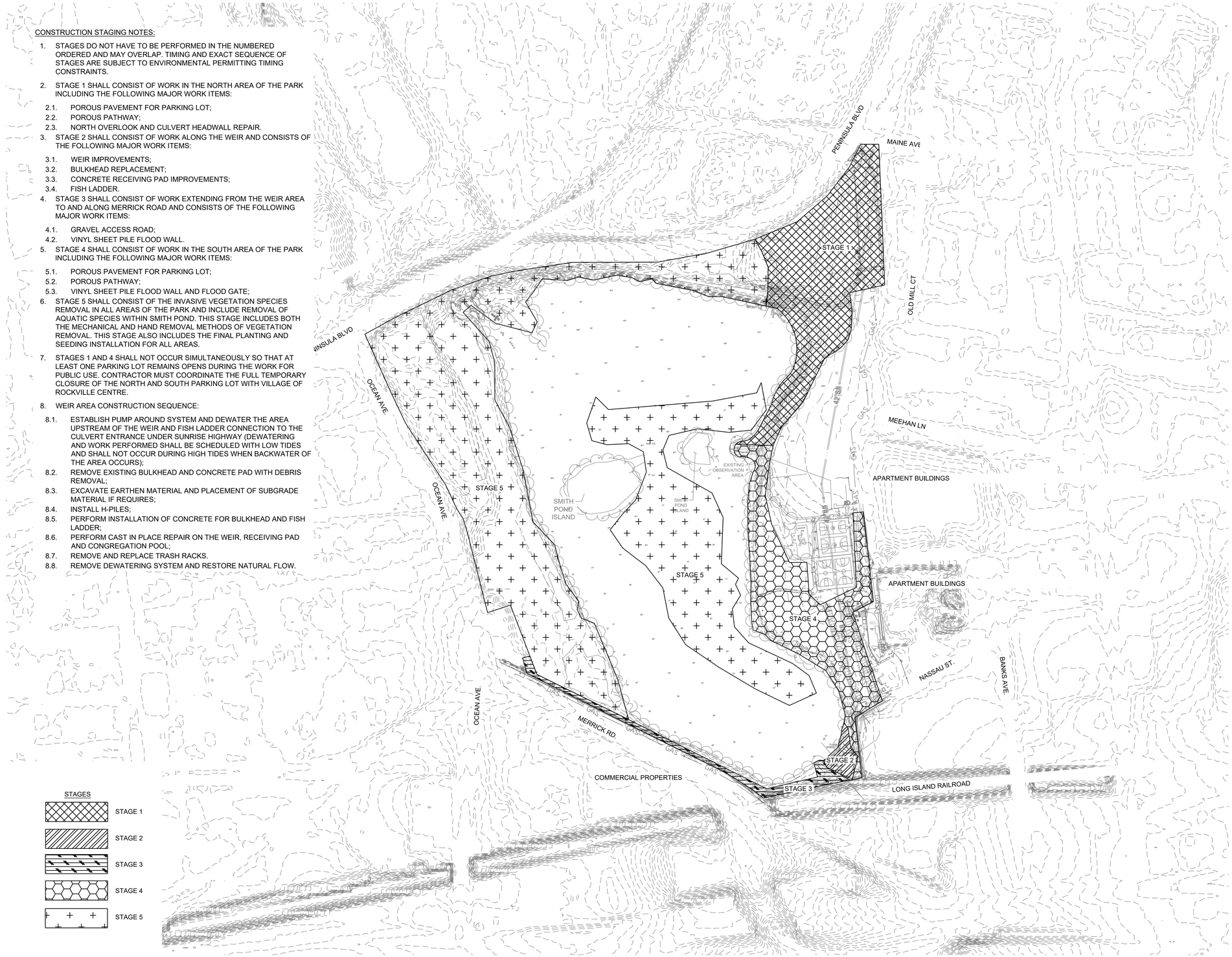
Drawing Number T-202

Sheet 80 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-T201 Signage Striping Details.dwg Jul 27, 2020

CONSTRUCTION STAGING NOTES:

1. STAGES DO NOT HAVE TO BE PERFORMED IN THE NUMBERED ORDERED AND MAY OVERLAP. TIMING AND EXACT SEQUENCE OF STAGES ARE SUBJECT TO ENVIRONMENTAL PERMITTING TIMING CONSTRAINTS.
2. STAGE 1 SHALL CONSIST OF WORK IN THE NORTH AREA OF THE PARK INCLUDING THE FOLLOWING MAJOR WORK ITEMS:
   - 2.1. POROUS PAVEMENT FOR PARKING LOT;
   - 2.2. POROUS PATHWAY;
   - 2.3. NORTH OVERLOOK AND CULVERT HEADWALL REPAIR.
3. STAGE 2 SHALL CONSIST OF WORK ALONG THE WEIR AND CONSISTS OF THE FOLLOWING MAJOR WORK ITEMS:
   - 3.1. WEIR IMPROVEMENTS;
   - 3.2. BULKHEAD REPLACEMENT;
   - 3.3. CONCRETE RECEIVING PAD IMPROVEMENTS;
   - 3.4. FISH LADDER.
4. STAGE 3 SHALL CONSIST OF WORK EXTENDING FROM THE WEIR AREA TO AND ALONG MERRICK ROAD AND CONSISTS OF THE FOLLOWING MAJOR WORK ITEMS:
   - 4.1. GRAVEL ACCESS ROAD;
   - 4.2. VINYL SHEET PILE FLOOD WALL.
5. STAGE 4 SHALL CONSIST OF WORK IN THE SOUTH AREA OF THE PARK INCLUDING THE FOLLOWING MAJOR WORK ITEMS:
   - 5.1. POROUS PAVEMENT FOR PARKING LOT;
   - 5.2. POROUS PATHWAY;
   - 5.3. VINYL SHEET PILE FLOOD WALL AND FLOOD GATE;
6. STAGE 5 SHALL CONSIST OF THE INVASIVE VEGETATION SPECIES REMOVAL IN ALL AREAS OF THE PARK AND INCLUDE REMOVAL OF AQUATIC SPECIES WITHIN SMITH POND. THIS STAGE INCLUDES BOTH THE MECHANICAL AND HAND REMOVAL METHODS OF VEGETATION REMOVAL. THIS STAGE ALSO INCLUDES THE FINAL PLANTING AND SEEDING INSTALLATION FOR ALL AREAS.
7. STAGES 1 AND 4 SHALL NOT OCCUR SIMULTANEOUSLY SO THAT AT LEAST ONE PARKING LOT REMAINS OPENS DURING THE WORK FOR PUBLIC USE. CONTRACTOR MUST COORDINATE THE FULL TEMPORARY CLOSURE OF THE NORTH AND SOUTH PARKING LOT WITH VILLAGE OF ROCKVILLE CENTRE.
8. WEIR AREA CONSTRUCTION SEQUENCE:
   - 8.1. ESTABLISH PUMP AROUND SYSTEM AND DEWATER THE AREA UPSTREAM OF THE WEIR AND FISH LADDER CONNECTION TO THE CULVERT ENTRANCE UNDER SUNRISE HIGHWAY (DEWATERING AND WORK PERFORMED SHALL BE SCHEDULED WITH LOW TIDES AND SHALL NOT OCCUR DURING HIGH TIDES WHEN BACKWATER OF THE AREA OCCURS);
   - 8.2. REMOVE EXISTING BULKHEAD AND CONCRETE PAD WITH DEBRIS REMOVAL;
   - 8.3. EXCAVATE EARTHEN MATERIAL AND PLACEMENT OF SUBGRADE MATERIAL IF REQUIRES;
   - 8.4. INSTALL H-PILES;
   - 8.5. PERFORM INSTALLATION OF CONCRETE FOR BULKHEAD AND FISH LADDER;
   - 8.6. PERFORM CAST IN PLACE REPAIR ON THE WEIR, RECEIVING PAD AND CONGREGATION POOL;
   - 8.7. REMOVE AND REPLACE TRASH RACKS.
   - 8.8. REMOVE DEWATERING SYSTEM AND RESTORE NATURAL FLOW.



FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

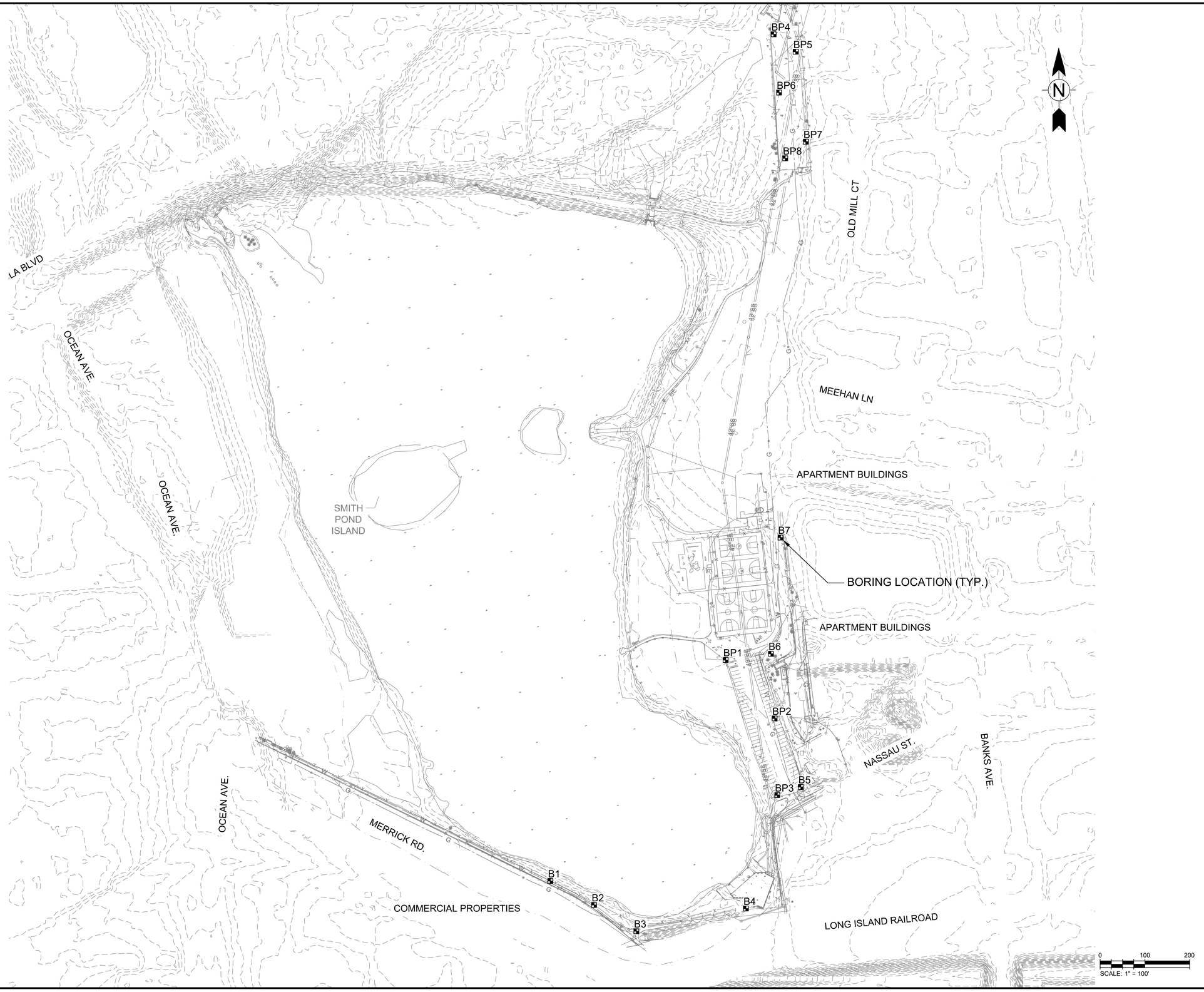
Drawing Title

CONSTRUCTION
STAGING PLAN

Drawing Number CS-101

Sheet 81 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-CS101 Construction Staging Plans.dwg Jul 27, 2020



FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

BORING LOCATION
PLAN

Drawing Number BL-101

Sheet 82 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-BL101 Boring Logs.dwg Jul 27, 2020

Boring Log
Page 1 of 2

BORING NO.: B1

CLIENT:	Governor's Office of Storm Recovery, (GOSR)	**PROJECT NO.:**	2042969
PROJECT:	Smith Pond Rehabilitation	**DATE STARTED:**	5/6/2019
LOCATION:	Rockville Centre, NY	**DATE FINISHED:**	5/7/2019
DRILLING CONTRACTOR:	Land,Air, Water Environmental Service Inc	**DRILLER:**	Ernesto SANTIAGO
DRILLING METHOD:	Direct push/ Hollow stem auger	**SIZE AND TYPE OF BIT:**	3.5" Geoprobe rods
DRILLING EQUIPMENT:	Geoprobe 7822DT	**INSPECTOR:**	Mousa Zeidan
SAMPLER TYPE:	1.375" I.D. Split Spoon	**HAMMER:** Auto **WEIGHT:** 140 lbs	**DROP:** 30 in

BOREHOLE DATA

Diameter (inches):	3 1/2	**Elevation (ft. MSL):** 11	**Northing:** 40.658600°
Total Depth (ft.):	32	**Groundwater Depth [Elevation] (ft.):** 5 [6]	**Easting:** -73.654534°

NOTES:

Elevation (ft. MSL)	Bottom Elevation	Blow Counts	Standard Penetration Resistance N-Value (Blows / ft.)	SPT-N (Blows/ft.)	Recovery (in)	Sample No.	Depth in Feet	Bottom Depth	Lithology	USCS	SOIL DESCRIPTION AND STRATIGRAPHY	NOTES
10	9	GRAB Sample			0	G1	1	2			FILL,Dark Brown, coarse to fine SAND, some Silt, trace fine Gravel, occasional brick fragments, moist.	
		GRAB Sample			0	G2	2				FILL,Dark Brown, coarse to fine SAND, some Silt, trace fine Gravel, occasional brick fragments, very moist.	
	7				0	G3	3			SM	Dark yellowish orange (10YR 6/6), coarse to fine SAND, little Silt, trace fine Gravel, wet.	
5	6	GRAB Sample			18	S1	4	5	▼	SM	Black (N1), medium to fine SAND, and SILT, trace fine Gravel and organic material, moist.	Water table @5'
		w.o.h	w.o.h				5					
	4		4	2	12	S2	6	7		SM	Black (N1), coarse to fine SAND, some Silt, trace fine Gravel, wet.	
			1				7					
	2		1	10	13	S3	8	9		SP	Brown, coarse to fine SAND, trace Silt, trace fine Gravel, wet.	
			2				9					
0	0		5				10	11		SP	Light brown (5YR 6/4), coarse to fine SAND, trace Silt, trace fine Gravel, wet.	
			5				11					
			6				12					
							13					
							14					

Boring Log
Page 2 of 2

BORING NO.: B1

CLIENT: Governor's Office of Storm Recovery, (GOSR) **PROJECT NO.:** 2042969

Elevation (ft. MSL)	Bottom Elevation	Blow Counts	Standard Penetration Resistance N-Value (Blows / ft.)	SPT-N (Blows/ft.)	Recovery (in)	Sample No.	Depth in Feet	Bottom Depth	Lithology	USCS	SOIL DESCRIPTION AND STRATIGRAPHY	NOTES
-5		26 36 37 48	>>73	73	15	S4	16	17		SP	Light brown (5YR 6/4), coarse to fine SAND, trace Silt, trace fine Gravel, wet.	
	-6						17					
							18			SP	Brown, coarse to fine SAND, trace Silt, trace fine Gravel, wet.	
-10	-11	19 20 18 13		38	12	S5	19					
							20					
							21	22		SP	Dark yellowish orange (10YR 6/6), coarse to fine SAND, trace Silt, trace fine Gravel, wet.	
-15	-16	9 9 11 13		20	13	S6	22					
							23					
							24					
							25					
							26					
							27	27		SP	Dark yellowish orange (10YR 6/6), coarse to fine SAND, trace Silt, trace fine Gravel, wet.	
-20	-21	7 9 12 14		21	8	S7	28					
							29					
							30					
							31					
							32	32			Total Depth of Boring 32 feet.	
							33					
							34					
							35					

Boring Log
Page 1 of 2

BORING NO.: B2

CLIENT:	Governor's Office of Storm Recovery, (GOSR)	**PROJECT NO.:**	2042969
PROJECT:	Smith Pond Rehabilitation	**DATE STARTED:**	5/6/2019
LOCATION:	Rockville Centre, NY	**DATE FINISHED:**	5/8/2019
DRILLING CONTRACTOR:	Land,Air, Water Environmental Service Inc	**DRILLER:**	Ernesto SANTIAGO
DRILLING METHOD:	Direct push/ Hollow stem auger	**SIZE AND TYPE OF BIT:**	3.5" Geoprobe rods
DRILLING EQUIPMENT:	Geoprobe 7822DT	**INSPECTOR:**	Mousa Zeidan
SAMPLER TYPE:	1.375" I.D. Split Spoon	**HAMMER:** Auto **WEIGHT:** 140 lbs	**DROP:** 30 in

BOREHOLE DATA

Diameter (inches):	3 1/2	**Elevation (ft. MSL):** 11	**Northing:** 40.658500°
Total Depth (ft.):	22	**Groundwater Depth [Elevation] (ft.):** 5 [6]	**Easting:** -73.654267°

NOTES:

Elevation (ft. MSL)	Bottom Elevation	Blow Counts	Standard Penetration Resistance N-Value (Blows / ft.)	SPT-N (Blows/ft.)	Recovery (in)	Sample No.	Depth in Feet	Bottom Depth	Lithology	USCS	SOIL DESCRIPTION AND STRATIGRAPHY	NOTES
10	9	GRAB Sample			0	G1	1	2			FILL,Dark Brown, coarse to fine SAND, some Silt, trace fine Gravel, occasional brick fragments,Roots, moist.	
		GRAB Sample			0	G2	2				FILL,Dark Brown, coarse to fine SAND, some Silt, trace fine Gravel, occasional brick fragments,Roots, moist.	
	7				0	G3	3	4		SP-SM	Dark yellowish orange (10YR 6/6), coarse to fine SAND, little Silt, trace fine Gravel, wet.	
5	6	GRAB Sample			17	S1	4	5	▼	SP-SM	Dark Brown, medium to fine SAND, some Silt, trace fine Gravel, moist.	Water table @5'
		w.o.h	w.o.h				5					
	4		1	13	8	S2	6	7		SP	Brown, coarse to fine SAND, trace Silt, trace fine Gravel, wet.	
			5				7					
	2		3	12	10	S3	8	9		SP	Brown, coarse to fine SAND, trace Silt, trace fine Gravel, wet.	
			4				9					
0	0		9				10	11		SP	Dark yellowish orange (10YR 6/6), coarse to fine SAND, trace Silt, trace fine Gravel, wet.	
			7				11					
			5				12					
			5				13					
							14					

Boring Log
Page 2 of 2

BORING NO.: B2

CLIENT: Governor's Office of Storm Recovery, (GOSR) **PROJECT NO.:** 2042969

Elevation (ft. MSL)	Bottom Elevation	Blow Counts	Standard Penetration Resistance N-Value (Blows / ft.)	SPT-N (Blows/ft.)	Recovery (in)	Sample No.	Depth in Feet	Bottom Depth	Lithology	USCS	SOIL DESCRIPTION AND STRATIGRAPHY	NOTES
-5		7 17 24 33		41	19	S4	16	17		SP	Dark yellowish orange (10YR 6/6), coarse to fine SAND, trace Silt, trace fine Gravel, wet.	
	-6						17					
							18					
-10	-11	48 27 40 46	>>67	67	14	S5	19					
							20					
							21	22		SP	Dark yellowish orange (10YR 6/6), coarse to fine SAND, trace Silt, trace fine Gravel, wet.	
-15							22					
							23					
							24					
							25					
							26					
							27					
-20							28					
							29					
							30					
							31					
							32					
							33					
							34					
							35					
								22			Total Depth of Boring 22 feet.	

Boring Log
Page 1 of 3

BORING NO.: B3

CLIENT:	Governor's Office of Storm Recovery, (GOSR)	**PROJECT NO.:**	2042969
PROJECT:	Smith Pond Rehabilitation	**DATE STARTED:**	5/6/2019
LOCATION:	Rockville Centre, NY	**DATE FINISHED:**	5/7/2019
DRILLING CONTRACTOR:	Land,Air, Water Environmental Service Inc	**DRILLER:**	Ernesto SANTIAGO
DRILLING METHOD:	Direct push/ Hollow stem auger	**SIZE AND TYPE OF BIT:**	3.5" Geoprobe rods
DRILLING EQUIPMENT:	Geoprobe 7822DT	**INSPECTOR:**	Mousa Zeidan
SAMPLER TYPE:	1.375" I.D. Split Spoon	**HAMMER:** Auto **WEIGHT:** 140 lbs	**DROP:** 30 in

BOREHOLE DATA

Diameter (inches):	3 1/2	**Elevation (ft. MSL):** 11	**Northing:** 40.658325°
Total Depth (ft.):	52	**Groundwater Depth [Elevation] (ft.):** 5 [6]	**Easting:** -73.653912°

NOTES:

Elevation (ft. MSL)	Bottom Elevation	Blow Counts	Standard Penetration Resistance N-Value (Blows / ft.)	SPT-N (Blows/ft.)	Recovery (in)	Sample No.	Depth in Feet	Bottom Depth	Lithology	USCS	SOIL DESCRIPTION AND STRATIGRAPHY	NOTES
10	9	GRAB Sample			0	G1	1	2			FILL,Black, coarse to fine SAND, some Silt, trace fine Gravel, occasional brick fragments,Roots, moist.	
		GRAB Sample			0	G2	2				FILL,Black, coarse to fine SAND, little Silt, trace fine Gravel, occasional brick fragments,Roots, moist.	
	7				0	G3	3	4		SP	Brown, coarse to fine SAND, little medium to fine Gravel, little Silt, wet.	
5	6	GRAB Sample			18	S1	4	5	▼	SP	Brown, coarse to fine SAND, little medium to fine Gravel, little Silt, wet.	Water table @5'
		w.o.h	w.o.h				5					
	4		1	18	11	S2	6	7		SP	Brown, coarse to fine SAND, some medium to fine Gravel, little Silt, wet.	
			7				7					
	2		11	16	8	S3	8	9		SP	Brown, coarse to fine SAND, some medium to fine Gravel, little Silt, wet.	
			11				9					
0	0		9				10	11		SP	Dark yellowish orange (10YR 6/6), coarse to fine SAND, trace Silt, trace fine Gravel, wet.	
			7				11					
			9				12					
			9				13					
							14					

Boring Log
Page 2 of 3

BORING NO.: B3

CLIENT: Governor's Office of Storm Recovery, (GOSR) **PROJECT NO.:** 2042969

Elevation (ft. MSL)	Bottom Elevation	Blow Counts	Standard Penetration Resistance N-Value (Blows / ft.)	SPT-N (Blows/ft.)	Recovery (in)	Sample No.	Depth in Feet	Bottom Depth	Lithology	USCS	SOIL DESCRIPTION AND STRATIGRAPHY	NOTES
-5		13 14 18 20		32	4	S4	16	17		SP	Dark yellowish orange (10YR 6/6), coarse to fine SAND, trace Silt, trace fine Gravel, wet.	
	-6						17					
							18					
-10	-11	31 30 31 33	>>61	61	14	S5	19					
							20					
							21					
							22	22		SP	Brown, coarse to fine SAND, trace Silt, trace fine Gravel, wet.	
-15							23					
							24					
		16 28 30 32		59	12	S6	25					
	-16						26					
							27	27		SP	Brown, coarse to fine SAND, trace Silt, trace fine Gravel, wet.	
-20							28					
							29					
							30					
		11 16 17 18		33	17	S7	31					
	-21						32	32		SP	Brown, coarse to fine SAND, trace Silt, trace fine Gravel, wet.	
							33					
							34					
		9		25	15	S8	35					

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

BORING LOGS
(1 OF 5)

Drawing Number **BL-102**

Sheet 83 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-BL101 Boring Logs.dwg Jul 27, 2020

Boring Log — BORING NO.: B3
Page 3 of 3

CLIENT: Governor's Office of Storm Recovery, (GOSR) **PROJECT NO.:** 2042969

Elevation (ft. MSL)	Bottom Elevation	Blow Counts	Standard Penetration Resistance N-Value (Blows / ft.)	SPT-N (Blows/ft.)	Recovery (in)	Sample No.	Depth in Feet	Bottom Depth	Lithology	USCS	SOIL DESCRIPTION AND STRATIGRAPHY	NOTES
-25	-26	11 14 14	10 20 30 40 50				36			SP	Brown, coarse to fine SAND, trace Silt, trace fine Gravel, wet.	
							37	37		SP	Brown, medium to fine SAND, trace Silt, trace fine Gravel, wet.	
-30	-31	10 14 19 15		33	13	S9	38					
							39					
							40					
							41					
							42	42		SP	Brown, coarse to fine SAND, little Silt, trace fine Gravel, wet.	
-35	-36	13 15 15 16		30	12	S10	43					
							44					
							45					
							46					
							47	47		SM	Light brown (5YR 6/4), medium to fine SAND, some Silt, wet.	
-40	-41	10 11 14 16		25	15	S11	48					
							49					
							50					
							51					
							52	52			Total Depth of Boring 52 feet.	
-45							53					
							54					
							55					
							56					

Boring Log — BORING NO.: B4
Page 1 of 2

CLIENT:	Governor's Office of Storm Recovery, (GOSR)	**PROJECT NO.:**	2042969
PROJECT:	Smith Pond Rehabilitation	**DATE STARTED:**	5/6/2019
LOCATION:	Rockville Centre, NY	**DATE FINISHED:**	5/6/2019
DRILLING CONTRACTOR:	Land,Air, Water Environmental Service Inc	**DRILLER:**	Ernesto SANTIAGO
DRILLING METHOD:	Direct push/ Hollow stem auger	**SIZE AND TYPE OF BIT:**	3.5" Geoprobe rods
DRILLING EQUIPMENT:	Geoprobe 7822DT	**INSPECTOR:**	Mousa Zeidan
SAMPLER TYPE:	1.375" I.D. Split Spoon	**HAMMER:** Auto **WEIGHT:** 140 lbs	**DROP:** 30 in

BOREHOLE DATA

Diameter (inches):	3 1/2	**Elevation (ft. MSL):** 9	**Northing:** 40.658418°
Total Depth (ft.):	22	**Groundwater Depth [Elevation] (ft.):** 3 [6]	**Easting:** -73.652895°

NOTES:

Elevation (ft. MSL)	Bottom Elevation	Blow Counts	Standard Penetration Resistance N-Value (Blows / ft.)	SPT-N (Blows/ft.)	Recovery (in)	Sample No.	Depth in Feet	Bottom Depth	Lithology	USCS	SOIL DESCRIPTION AND STRATIGRAPHY	NOTES
		GRAB Sample	10 20 30 40 50		0	G1	1				FILL,Dark Brown, coarse to fine SAND, some Silt, trace fine Gravel, occasional brick fragments,Roots, moist.	
5		7			0	G2	2	2			FILL,Dark Brown, coarse to fine SAND, little Silt, trace fine Gravel, occasional brick fragments,Roots, wet.	Water table @3'
		GRAB Sample			0	G3	3					
		5					4					
		GRAB Sample		5	20	S1	5	5		SM	FILL,Dark Brown, coarse to fine SAND, little Silt, trace fine Gravel, wet.	
		4					6			SM	Brown, coarse to fine SAND, trace Silt, trace fine Gravel, wet.	
0		2			8	S2	7	7				
		1					8			SP	Brown, coarse to fine SAND, trace Silt, trace fine Gravel, wet.	
		w.o.h			16	S3	9	9				
		1					10			SP	Brown, coarse to fine SAND, trace Silt, trace fine Gravel, wet.	
-5		w.o.h					11	11				
		3					12					
		10					13					
							14					

Boring Log — BORING NO.: B4
Page 2 of 2

CLIENT: Governor's Office of Storm Recovery, (GOSR) **PROJECT NO.:** 2042969

Elevation (ft. MSL)	Bottom Elevation	Blow Counts	Standard Penetration Resistance N-Value (Blows / ft.)	SPT-N (Blows/ft.)	Recovery (in)	Sample No.	Depth in Feet	Bottom Depth	Lithology	USCS	SOIL DESCRIPTION AND STRATIGRAPHY	NOTES
		8 12 24 26	10 20 30 40 50	36	17	S4	16			SP	Brown, coarse to fine SAND, trace Silt, trace fine Gravel, wet.	
-10	-8						17	17		SM	Light brown (5YR 6/4), coarse to fine SAND, little Silt, wet.	
		20 35 50 50	>>85	17	S5		18					
	-13						19					
							20					
-15							21					
							22	22			Total Depth of Boring 22 feet.	
							23					
							24					
							25					
-20							26					
							27					
							28					
							29					
							30					
							31					
							32					
-25							33					
							34					
							35					

Boring Log — BORING NO.: B5
Page 1 of 3

CLIENT:	Governor's Office of Storm Recovery, (GOSR)	**PROJECT NO.:**	2042969
PROJECT:	Smith Pond Rehabilitation	**DATE STARTED:**	7/8/2019
LOCATION:	Rockville Centre, NY	**DATE FINISHED:**	7/8/2019
DRILLING CONTRACTOR:	Land,Air, Water Environmental Service Inc	**DRILLER:**	Ernesto SANTIAGO
DRILLING METHOD:	Direct push/ Hollow stem auger	**SIZE AND TYPE OF BIT:**	3.5" Geoprobe rods
DRILLING EQUIPMENT:	Geoprobe 7822DT	**INSPECTOR:**	Mousa Zeidan
SAMPLER TYPE:	1.375" I.D. Split Spoon	**HAMMER:** Auto **WEIGHT:** 140 lbs	**DROP:** 30 in

BOREHOLE DATA

Diameter (inches):	3 1/2	**Elevation (ft. MSL):** 10	**Northing:** 40.659119
Total Depth (ft.):	42	**Groundwater Depth [Elevation] (ft.):** 5 [5]	**Easting:** -73.652637

NOTES:

Elevation (ft. MSL)	Bottom Elevation	Blow Counts	Standard Penetration Resistance N-Value (Blows / ft.)	SPT-N (Blows/ft.)	Recovery (in)	Sample No.	Depth in Feet	Bottom Depth	Lithology	USCS	SOIL DESCRIPTION AND STRATIGRAPHY	NOTES
	9.75	GRAB				G1	1	0.25		SM	Brownish Black (5YR 2/1), Top 3" Topsoil.	
	8	GRAB					2	2		SM	Light brown (5YR 5/6), coarse to fine SAND, little fine Silt, little fine Gravel, moist.	
	6	GRAB				G2	3				Brownish Black (5YR 2/1), coarse to fine SAND, little fine Silt, little fine Gravel, moist.	
5	5	GRAB				G3	4	4		SP	Orange-Brown, coarse to fine SAND, some medium to fine Gravel, trace Silt, moist.	
	3	5 4 6		10	14	S1	5	5		SP-SM	Orange-Brown, medium to fine SAND, trace Silt, wet.	Water table @5'
	1	6 3 1		6	15	S2	6			SP-SM	Orange-Brown, medium to fine SAND, trace Silt, wet.	
0	-1	18 15 21 24		36	13	S3	7	7				
							8			SW-SM	Medium gray (N5), coarse to fine SAND, little fine Gravel, trace Silt, wet.	
							9	9				
							10			SW-SM	Orange-Brown, coarse to fine SAND, little fine Gravel, trace Silt, wet.	
-5							11	11				
							12					
							13					
							14					

Boring Log — BORING NO.: B5
Page 2 of 3

CLIENT: Governor's Office of Storm Recovery, (GOSR) **PROJECT NO.:** 2042969

Elevation (ft. MSL)	Bottom Elevation	Blow Counts	Standard Penetration Resistance N-Value (Blows / ft.)	SPT-N (Blows/ft.)	Recovery (in)	Sample No.	Depth in Feet	Bottom Depth	Lithology	USCS	SOIL DESCRIPTION AND STRATIGRAPHY	NOTES
		82 66 50/5"	10 20 30 40 50		11	S4	16			SW-SM	Orange-Brown, coarse to fine SAND, little fine Gravel, trace Silt, wet.	
-10	-7						17	17		SW-SM	Moderate brown (5YR 3/4), coarse to fine SAND, little fine Gravel, trace Silt, wet.	Drilles switch to HSA drilling
		21 57 50/4"			19	S5	18					
							19					
-15	-12						20					
		15 16 16 16		32	14	S6	21	22		SW-SM	Moderate brown (5YR 3/4), coarse to fine SAND, little fine Gravel, trace Silt, wet.	
	-17						22					
							23					
							24					
							25					
-20							26					
		15 16 19 24		35	10	S7	27	27		SP	Light brown (5YR 5/6), coarse to fine SAND, trace Silt, wet.	
	-22						28					
							29					
							30					
							31					
							32	32		SP	Light brown (5YR 5/6), coarse to fine SAND, trace Silt, wet.	
-25		9		27	12	S8	33					
							34					
							35					

Boring Log — BORING NO.: B5
Page 3 of 3

CLIENT: Governor's Office of Storm Recovery, (GOSR) **PROJECT NO.:** 2042969

Elevation (ft. MSL)	Bottom Elevation	Blow Counts	Standard Penetration Resistance N-Value (Blows / ft.)	SPT-N (Blows/ft.)	Recovery (in)	Sample No.	Depth in Feet	Bottom Depth	Lithology	USCS	SOIL DESCRIPTION AND STRATIGRAPHY	NOTES
		11 16 17	10 20 30 40 50				36			SP	Light brown (5YR 5/6), coarse to fine SAND, trace Silt, wet.	
-30	-27				19	S9	37	37		SP	Light brown (5YR 5/6), coarse to fine SAND, trace Silt, wet.	
		19 40 50/5"					38					
	-32						39					
							40					
-35							41					
							42	42			Total Depth of Boring 42 feet.	End of bore
							43					
							44					
							45					
							46					
							47					
							48					
-40							49					
							50					
							51					
							52					
							53					
-45							54					
							55					
							56					

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

BORING LOGS
(2 OF 5)

Drawing Number BL-103

Sheet 84 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-BL101 Boring Logs.dwg Jul 27, 2020

Boring Log

Louis Berger

Page 1 of 2

BORING NO.: B6

CLIENT:	Governor's Office of Storm Recovery, (GOSR)	**PROJECT NO.:**	2042969
PROJECT:	Smith Pond Rehabilitation	**DATE STARTED:**	7/8/2019
LOCATION:	Rockville Centre, NY	**DATE FINISHED:**	7/8/2019
DRILLING CONTRACTOR:	Land,Air, Water Environmental Service Inc	**DRILLER:**	Ernesto SANTIAGO
DRILLING METHOD:	Direct push/ Hollow stem auger	**SIZE AND TYPE OF BIT:**	3.5" Geoprobe rods
DRILLING EQUIPMENT:	Geoprobe 7822DT	**INSPECTOR:**	Mousa Zeidan
SAMPLER TYPE:	1.375" I.D. Split Spoon	**HAMMER** Auto **WEIGHT:** 140 lbs	**DROP:** 30 in

BOREHOLE DATA

Diameter (inches):	3 1/2	**Elevation (ft. MSL):** 11	**Northing:** 40.660123
Total Depth (ft.):	32	**Groundwater Depth [Elevation] (ft.):** 4.5 [6.5]	**Easting:** -73.652899

NOTES:

Elevation (ft. MSL)	Bottom Elevation	Blow Counts	Standard Penetration Resistance N-Value (Blows / ft.)	SPT-N (Blows/ft.)	Recovery (in)	Sample No.	Depth in Feet	Bottom Depth	Lithology	USCS	SOIL DESCRIPTION AND STRATIGRAPHY	NOTES
	10.83					G1		0.17			**Black (N1), Top 2" Asphal.**	
10							1				**Moderate brown (5YR 3/4), coarse to fine SAND, little Silt, trace Silt, moist.**	
	9					G2	2	2		SP	**Orange Brown, coarse to fine SAND, trace Silt, trace fine Gravel, moist.**	
	7					G3	3					
	6			14	13	S1	4	4		SP	**Orange Brown, coarse to fine SAND, trace Silt, trace fine Gravel, wet.**	Water table @4.5'
5							5	5		SP	**Orange Brown, coarse to fine SAND, little fine Gravel, trace Silt, wet.**	
	4			26	23	S2	6					
							7	7		SP	**Orange Brown, coarse to fine SAND, little fine Gravel, trace Silt, wet.**	
	2			13	7	S3	8					
							9	9		SP	**Light brown (5YR 5/6), coarse to fine SAND, little fine Gravel, trace Silt, wet.**	
0	0						10					
							11	11		CH	**Dark gray (N3), CLAY, trace fine Sand, moist.**	
							12					
							13					
							14					

Boring Log

Louis Berger

Page 2 of 2

BORING NO.: B6

CLIENT: Governor's Office of Storm Recovery, (GOSR) **PROJECT NO.:** 2042969

Elevation (ft. MSL)	Bottom Elevation	Blow Counts	Standard Penetration Resistance N-Value (Blows / ft.)	SPT-N (Blows/ft.)	Recovery (in)	Sample No.	Depth in Feet	Bottom Depth	Lithology	USCS	SOIL DESCRIPTION AND STRATIGRAPHY	NOTES
-5		1 1 2		3	24	S4	16	17		CH	**Dark gray (N3), CLAY, trace fine Sand, moist.**	
	-6	3					17					
							18			CH	**Dark gray (N3), CLAY, trace fine Sand, wet.**	
-10		1 1 1		2	24	S5	19					
	-11	1					20					
							21					
-15		1 1 1		2	24	S6	22	22		CH	**Dark gray (N3), CLAY, trace fine Sand, wet.**	
	-16	2					23					
							24					
							25					
-20		24			13	S7	26					
		52					27	27		SM	**Dark gray (N3), coarse to fine SAND, little Silt, trace fine Gravel, wet.**	
	-21	50/5"					28					
							29					
							30					
							31					
							32	32			**Total Depth of Boring 32 feet.**	End of Bore
							33					
							34					
							35					

Boring Log

Louis Berger

Page 1 of 3

BORING NO.: B7

CLIENT:	Governor's Office of Storm Recovery, (GOSR)	**PROJECT NO.:**	2042969
PROJECT:	Smith Pond Rehabilitation	**DATE STARTED:**	7/9/2019
LOCATION:	Rockville Centre, NY	**DATE FINISHED:**	7/9/2019
DRILLING CONTRACTOR:	Land,Air, Water Environmental Service Inc	**DRILLER:**	Ernesto SANTIAGO
DRILLING METHOD:	Direct push/ Hollow stem auger	**SIZE AND TYPE OF BIT:**	3.5" Geoprobe rods
DRILLING EQUIPMENT:	Geoprobe 7822DT	**INSPECTOR:**	Mousa Zeidan
SAMPLER TYPE:	1.375" I.D. Split Spoon	**HAMMER** Auto **WEIGHT:** 140 lbs	**DROP:** 30 in

BOREHOLE DATA

Diameter (inches):	3 1/2	**Elevation (ft. MSL):** 15	**Northing:** 40.660772
Total Depth (ft.):	52	**Groundwater Depth [Elevation] (ft.):** 6 [9]	**Easting:** -73.652743

NOTES:

Elevation (ft. MSL)	Bottom Elevation	Blow Counts	Standard Penetration Resistance N-Value (Blows / ft.)	SPT-N (Blows/ft.)	Recovery (in)	Sample No.	Depth in Feet	Bottom Depth	Lithology	USCS	SOIL DESCRIPTION AND STRATIGRAPHY	NOTES
	14.75					G1		0.25		SM	**Brownish Black (5YR 2/1), Top 3" Topsoi.**	
							1				**Brown, coarse to fine SAND, little Silt, little fine Gravel, moist.**	
	13					G2	2	2		SM	**Brown, coarse to fine SAND, little Silt, trace fine Gravel, moist.**	
							3					
	11					G3	4	4		SP	**Orange Brown, coarse to fine SAND, some medium to fine Gravel, trace Silt, moist.**	
10				21	17	S1	5	5		SP	**Orange Brown, coarse to fine SAND, little fine Gravel, trace Silt, wet.**	
	10						6					
				29	9	S2	7	7		SP	**Light brown (5YR 5/6), coarse to fine SAND, little fine Gravel, trace Silt, wet.**	Water table @6'
	8						8					
				28	11	S3	9	9		SP	**Brown, coarse to fine SAND, little fine Gravel, trace Silt, wet.**	
5							10					
	4						11	11		SP	**Orange Brown, coarse to fine SAND, little fine Gravel, trace Silt, wet.**	
0							12					
							13					
							14					

Boring Log

Louis Berger

Page 2 of 3

BORING NO.: B7

CLIENT: Governor's Office of Storm Recovery, (GOSR) **PROJECT NO.:** 2042969

Elevation (ft. MSL)	Bottom Elevation	Blow Counts	Standard Penetration Resistance N-Value (Blows / ft.)	SPT-N (Blows/ft.)	Recovery (in)	Sample No.	Depth in Feet	Bottom Depth	Lithology	USCS	SOIL DESCRIPTION AND STRATIGRAPHY	NOTES
	-2	16 14 15 7		29	10	S4	16	17		SP	**Orange Brown, coarse to fine SAND, little fine Gravel, trace Silt, wet.**	
-5		4 1 1 2		2	17	S5	17			MH	**Dark gray (N3), SILT, little fine Sand, trace fine Gravel, moist.**	
	-7						18					
							19					
-10		1 1 2 2		3	19	S6	20					
	-12						21					
							22	22		CH	**Dark gray (N3), CLAY, trace fine Sand, moist.**	
-15		1 2 1 2		3	19	S7	23					
	-17						24					
							25					
							26					
-20		4		39	20	S8	27	27		CH	**Dark gray (N3), CLAY, trace fine Sand, moist.**	
							28					
							29					
							30					
							31					
							32	32		CH	**Dark gray (N3), CLAY, trace fine Sand, wet.**	
							33					
							34					
							35					

Boring Log

Louis Berger

Page 3 of 3

BORING NO.: B7

CLIENT: Governor's Office of Storm Recovery, (GOSR) **PROJECT NO.:** 2042969

Elevation (ft. MSL)	Bottom Elevation	Blow Counts	Standard Penetration Resistance N-Value (Blows / ft.)	SPT-N (Blows/ft.)	Recovery (in)	Sample No.	Depth in Feet	Bottom Depth	Lithology	USCS	SOIL DESCRIPTION AND STRATIGRAPHY	NOTES
	-22	8 31 30					36					
							37	37		CH	**Dark gray (N3), CLAY, trace fine Sand, wet.**	
-25		14 25 31 30		56	14	S9	38			SW-SM	**Light brown (5YR 5/6), coarse to fine SAND, trace Silt, trace fine GRAVEL, wet.**	
	-27						39					
							40					
							41					
-30		25 43 37 31		>>80	12	S10	42	42		SW-SM	**Light brown (5YR 5/6), coarse to fine SAND, trace Silt, trace fine Gravel, wet.**	
	-32						43					
							44					
							45					
-35		17 19 20 22		39	14	S11	46					
	-37						47	47		SW-SM	**Light brown (5YR 5/6), coarse to fine SAND, trace Silt, trace fine Gravel, wet.**	
							48					
							49					
							50					
							51					
							52	52			**Total Depth of Boring 52 feet.**	End of bore
							53					
							54					
							55					
-40							56					

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

BORING LOGS
(3 OF 5)

Drawing Number **BL-104**

Sheet 85 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-BL101 Boring Logs.dwg Jul 27, 2020

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\p\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-BL101 Boring Logs.dwg Jul 27, 2020

Louis Berger — Boring Log — BORING NO.: BP1

Page 1 of 1

CLIENT:	Governor's Office of Storm Recovery, (GOSR)	PROJECT NO.:	2042969
PROJECT:	Smith Pond Rehabilitation	DATE STARTED:	10/16/2019
LOCATION:	Rockville Centre, NY	DATE FINISHED:	10/16/2019
DRILLING CONTRACTOR:	Land,Air, Water Environmental Service Inc	DRILLER:	Ernesto SANTIAGO
DRILLING METHOD:	Direct push/ Hollow stem auger	SIZE AND TYPE OF BIT:	3.5" Geoprobe rods
DRILLING EQUIPMENT:	Geoprobe 7822DT	INSPECTOR:	LU, SHEENA
SAMPLER TYPE:	1.375" I.D. Split Spoon	HAMMER:Auto	WEIGHT: 140 lbs DROP: 30 in

BOREHOLE DATA

Diameter (inches):	3 1/2	Elevation (ft. MSL):	9	Northing:	40.659948°
Total Depth (ft.):	10	Groundwater Depth [Elevation] (ft.):	6 [3]	Easting:	-73.653036°

NOTES:

Depth in Feet	Bottom Depth	Bottom Elevation	Sample No.	SPT-N (Blows/ft.)	Recovery (in)	Blow Counts	USCS	SOIL DESCRIPTION AND STRATIGRAPHY	NOTES
0	2	7	S1	11	13	9, 6, 5, 6		Moderate yellowish brown (10YR 5/4), FILL, Top 3" Asphalt, Coarse to fine SAND, little Silt, trace coarse to fine Gravel, moist.	
2	4	5	S2	15	17	7, 5, 10, 8	SP	Moderate brown (5YR 3/4), coarse to fine SAND, little coarse to fine Gravel, trace Silt, moist.	
4	6	3	S3	15	15	8, 8, 7, 14	SP	Moderate brown (5YR 3/4), coarse to fine SAND, little coarse to fine Gravel, trace Silt, moist.	
6	8	1	S4	31	24	13, 13, 18, 15	SP	Moderate brown (5YR 3/4), coarse to fine SAND, little coarse to fine Gravel, trace Silt, moist.	
8	10	-1	S5	39	18	12, 18, 21, 19	SP	Moderate brown (5YR 3/4), coarse to fine SAND, some coarse to fine Gravel, trace Silt, moist.	

Total Depth of Boring 10 feet.

Louis Berger — Boring Log — BORING NO.: BP2

Page 1 of 1

CLIENT:	Governor's Office of Storm Recovery, (GOSR)	PROJECT NO.:	2042969
PROJECT:	Smith Pond Rehabilitation	DATE STARTED:	10/16/2019
LOCATION:	Rockville Centre, NY	DATE FINISHED:	10/16/2019
DRILLING CONTRACTOR:	Land,Air, Water Environmental Service Inc	DRILLER:	Ernesto SANTIAGO
DRILLING METHOD:	Direct push/ Hollow stem auger	SIZE AND TYPE OF BIT:	3.5" Geoprobe rods
DRILLING EQUIPMENT:	Geoprobe 7822DT	INSPECTOR:	LU, SHEENA
SAMPLER TYPE:	1.375" I.D. Split Spoon	HAMMER:Auto	WEIGHT: 140 lbs DROP: 30 in

BOREHOLE DATA

Diameter (inches):	3 1/2	Elevation (ft. MSL):	9	Northing:	40.659632°
Total Depth (ft.):	10	Groundwater Depth [Elevation] (ft.):	5 [4]	Easting:	-73.652732°

NOTES:

Depth in Feet	Bottom Depth	Bottom Elevation	Sample No.	SPT-N (Blows/ft.)	Recovery (in)	Blow Counts	USCS	SOIL DESCRIPTION AND STRATIGRAPHY	NOTES
0	2	7	S1	16	18	5, 8, 8, 8		Moderate yellowish brown (10YR 5/4), FILL, Top 3" Asphalt, Coarse to fine SAND, trace Gravel, moist.	
2	4	5	S2	12	12	6, 7, 5, 5	SP	Moderate brown (5YR 3/4), coarse to fine SAND, little fine Gravel, trace Silt, moist.	
4	6	3	S3	10	12	2, 3, 7, 5	SW	Moderate brown (5YR 3/4), coarse to fine SAND, and coarse to medium GRAVEL, trace Silt, wet.	
6	8	1	S4	13	17	5, 7, 6, 8	SP	Moderate brown (5YR 3/4), coarse to fine SAND, trace fine Gravel, trace Silt, wet.	
8	10	-1	S5	4	13	1, 1, 3, 4	SP	Moderate brown (5YR 3/4), coarse to fine SAND, trace fine Gravel, trace Silt, wet.	

Total Depth of Boring 10 feet.

Louis Berger — Boring Log — BORING NO.: BP3

Page 1 of 1

CLIENT:	Governor's Office of Storm Recovery, (GOSR)	PROJECT NO.:	2042969
PROJECT:	Smith Pond Rehabilitation	DATE STARTED:	10/16/2019
LOCATION:	Rockville Centre, NY	DATE FINISHED:	10/16/2019
DRILLING CONTRACTOR:	Land,Air, Water Environmental Service Inc	DRILLER:	Ernesto SANTIAGO
DRILLING METHOD:	Direct push/ Hollow stem auger	SIZE AND TYPE OF BIT:	3.5" Geoprobe rods
DRILLING EQUIPMENT:	Geoprobe 7822DT	INSPECTOR:	LU, SHEENA
SAMPLER TYPE:	1.375" I.D. Split Spoon	HAMMER:Auto	WEIGHT: 140 lbs DROP: 30 in

BOREHOLE DATA

Diameter (inches):	3 1/2	Elevation (ft. MSL):	9	Northing:	40.659223°
Total Depth (ft.):	10	Groundwater Depth [Elevation] (ft.):	7 [2]	Easting:	-73.652700°

NOTES:

Depth in Feet	Bottom Depth	Bottom Elevation	Sample No.	SPT-N (Blows/ft.)	Recovery (in)	Blow Counts	USCS	SOIL DESCRIPTION AND STRATIGRAPHY	NOTES
0	2	7	S1	9	14	4, 4, 5, 4		Moderate yellowish brown (10YR 5/4), FILL, Top 3" Asphalt, Coarse to fine SAND, little Silt, trace fine Gravel, moist.	
2	4	5	S2	7	17	4, 4, 3, 7	SP	Moderate brown (5YR 3/4), coarse to fine SAND, little fine Gravel, trace Silt, moist.	
4	6	3	S3	7	16	3, 4, 3, 3	SP	Moderate yellowish brown (10YR 5/4), coarse to fine SAND, trace Silt, wet.	
6	8	1	S4	5	23	2, 3, 2, 1	SP	Moderate yellowish brown (10YR 5/4), coarse to fine SAND, trace Silt, wet.	
8	10	-1	S5	8	10	1, 2, 6, 4	ML	Dark gray (N3), Clayey SILT, little coarse to fine Sand, trace fine Gravel, wet.	

Total Depth of Boring 10 feet.

Louis Berger — Boring Log — BORING NO.: BP4

Page 1 of 1

CLIENT:	Governor's Office of Storm Recovery, (GOSR)	PROJECT NO.:	2042969
PROJECT:	Smith Pond Rehabilitation	DATE STARTED:	10/16/2019
LOCATION:	Rockville Centre, NY	DATE FINISHED:	10/16/2019
DRILLING CONTRACTOR:	Land,Air, Water Environmental Service Inc	DRILLER:	Ernesto SANTIAGO
DRILLING METHOD:	Direct push/ Hollow stem auger	SIZE AND TYPE OF BIT:	3.5" Geoprobe rods
DRILLING EQUIPMENT:	Geoprobe 7822DT	INSPECTOR:	LU, SHEENA
SAMPLER TYPE:	1.375" I.D. Split Spoon	HAMMER:Auto	WEIGHT: 140 lbs DROP: 30 in

BOREHOLE DATA

Diameter (inches):	3 1/2	Elevation (ft. MSL):	11	Northing:	40.663820°
Total Depth (ft.):	10	Groundwater Depth [Elevation] (ft.):	5 [6]	Easting:	-73.652672°

NOTES:

Depth in Feet	Bottom Depth	Bottom Elevation	Sample No.	SPT-N (Blows/ft.)	Recovery (in)	Blow Counts	USCS	SOIL DESCRIPTION AND STRATIGRAPHY	NOTES
0	2	9	S1	10	16	4, 5, 5, 3		Moderate yellowish brown (10YR 5/4), FILL, Top 3" Asphalt, Coarse to fine SAND, little Silt, trace fine Gravel, moist.	
2	4	7	S2		19	1, w.o.h, 4, 6	SM	Moderate yellowish brown (10YR 5/4), coarse to fine SAND, little Silt, trace fine Gravel, moist.	
4	6	5	S3	16	13	9, 9, 7, 4	SP	Moderate yellowish brown (10YR 5/4), coarse to fine SAND, trace fine Gravel, trace Silt, wet.	
6	8	3	S4	8	19	2, 4, 4, 4	SC-SM	Dark gray (N3), Silty/Clayey SAND, trace medium Gravel, wet.	
8	10	1	S5	2	15	1, 1, 1, 2	CL-ML	Dark gray (N3), CLAY & SILT, wet.	

Total Depth of Boring 10 feet.

Louis Berger — Boring Log — BORING NO.: BP5

Page 1 of 1

CLIENT:	Governor's Office of Storm Recovery, (GOSR)	PROJECT NO.:	2042969
PROJECT:	Smith Pond Rehabilitation	DATE STARTED:	10/16/2019
LOCATION:	Rockville Centre, NY	DATE FINISHED:	10/16/2019
DRILLING CONTRACTOR:	Land,Air, Water Environmental Service Inc	DRILLER:	Ernesto SANTIAGO
DRILLING METHOD:	Direct push/ Hollow stem auger	SIZE AND TYPE OF BIT:	3.5" Geoprobe rods
DRILLING EQUIPMENT:	Geoprobe 7822DT	INSPECTOR:	LU, SHEENA
SAMPLER TYPE:	1.375" I.D. Split Spoon	HAMMER:Auto	WEIGHT: 140 lbs DROP: 30 in

BOREHOLE DATA

Diameter (inches):	3 1/2	Elevation (ft. MSL):	11	Northing:	40.663710°
Total Depth (ft.):	10	Groundwater Depth [Elevation] (ft.):	7 [4]	Easting:	-73.652532°

NOTES:

Depth in Feet	Bottom Depth	Bottom Elevation	Sample No.	SPT-N (Blows/ft.)	Recovery (in)	Blow Counts	USCS	SOIL DESCRIPTION AND STRATIGRAPHY	NOTES
0	2	9	S1	17	18	4, 6, 11, 9		Moderate yellowish brown (10YR 5/4), FILL, Top 1" Asphalt, Coarse to fine SAND, little Silt, trace coarse to fine Gravel, moist.	
2	4	7	S2	11	19	6, 5, 6, 6	SP	Moderate brown (5YR 3/4), coarse to fine SAND, trace medium to fine Gravel, trace Silt, moist.	
4	6	5	S3	11	17	6, 7, 4, 5	SP	Moderate brown (5YR 3/4), coarse to fine SAND, trace medium to fine Gravel, trace Silt, wet.	
6	8	3	S4	10	17	3, 6, 4, 5	SP	Moderate yellowish brown (10YR 5/4), coarse to fine SAND, trace medium to fine Gravel, trace Clayey Silt, wet.	
8	10	1	S5	7	16	4, 3, 4, 6	CL	Moderate yellowish brown (10YR 5/4), CLAY, some coarse to fine Sand, trace Gravel, wet.	

Total Depth of Boring 10 feet.

Louis Berger — Boring Log — BORING NO.: BP6

Page 1 of 1

CLIENT:	Governor's Office of Storm Recovery, (GOSR)	PROJECT NO.:	2042969
PROJECT:	Smith Pond Rehabilitation	DATE STARTED:	10/16/2019
LOCATION:	Rockville Centre, NY	DATE FINISHED:	10/16/2019
DRILLING CONTRACTOR:	Land,Air, Water Environmental Service Inc	DRILLER:	Ernesto SANTIAGO
DRILLING METHOD:	Direct push/ Hollow stem auger	SIZE AND TYPE OF BIT:	3.5" Geoprobe rods
DRILLING EQUIPMENT:	Geoprobe 7822DT	INSPECTOR:	LU, SHEENA
SAMPLER TYPE:	1.375" I.D. Split Spoon	HAMMER:Auto	WEIGHT: 140 lbs DROP: 30 in

BOREHOLE DATA

Diameter (inches):	3 1/2	Elevation (ft. MSL):	11	Northing:	40.663492°
Total Depth (ft.):	10	Groundwater Depth [Elevation] (ft.):	6 [5]	Easting:	-73.652660°

NOTES:

Depth in Feet	Bottom Depth	Bottom Elevation	Sample No.	SPT-N (Blows/ft.)	Recovery (in)	Blow Counts	USCS	SOIL DESCRIPTION AND STRATIGRAPHY	NOTES
0	2	9	S1	19	19	6, 9, 10, 9		Brownish Black (5YR 2/1), FILL, Top 2" Asphalt, Coarse to fine SAND, trace medium to fine Gravel, trace Silt, moist.	
2	4	7	S2	17	23	4, 7, 10, 12	SP	Moderate brown (5YR 4/4), coarse to fine SAND, trace medium to fine Gravel, trace Silt, moist.	
4	6	5	S3	13	22	11, 9, 4, 5	SM	Moderate brown (5YR 4/4), coarse to fine SAND, little Clayey Silt, trace fine Gravel, wet.	
6	8	3	S4	7	23	3, 4, 3, 3	CL	Dark gray (N3), CLAY, trace medium to fine Gravel, wet.	
8	10	1	S5	6	17	3, 3, 3, 4	CL-ML	Dark gray (N3), SILT & CLAY, little fine Sand, wet.	

Total Depth of Boring 10 feet.

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

WSP
412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND REHABILITATION PROJECT (PROJECT L)

VILLAGE OF ROCKVILLE CENTRE, LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

BORING LOGS (4 OF 5)

Drawing Number BL-105

Sheet 86 of 93

Boring Log — BORING NO.: BP7

Louis Berger

Page 1 of 1

CLIENT:	Governor's Office of Storm Recovery, (GOSR)	**PROJECT NO.:**	2042969
PROJECT:	Smith Pond Rehabilitation	**DATE STARTED:**	10/16/2019
LOCATION:	Rockville Centre, NY	**DATE FINISHED:**	10/16/2019
DRILLING CONTRACTOR:	Land,Air, Water Environmental Service Inc	**DRILLER:**	Ernesto SANTIAGO
DRILLING METHOD:	Direct push/ Hollow stem auger	**SIZE AND TYPE OF BIT:**	3.5" Geoprobe rods
DRILLING EQUIPMENT:	Geoprobe 7822DT	**INSPECTOR:**	LU, SHEENA
SAMPLER TYPE:	1.375" I.D. Split Spoon	**HAMMER:** Auto	**WEIGHT:** 140 lbs **DROP:** 30 in

BOREHOLE DATA

Diameter (inches):	3 1/2	**Elevation (ft. MSL):** 11	**Northing:** 40.663279°
Total Depth (ft.):	10	**Groundwater Depth [Elevation] (ft.):** 7 [4]	**Easting:** -73.652479°

NOTES:

Elevation (ft. MSL)	Bottom Elevation	Blow Counts	Standard Penetration Resistance N-Value (Blows / ft.)	SPT-N (Blows/ft.)	Recovery (in)	Sample No.	Depth in Feet	Bottom Depth	Lithology	USCS	SOIL DESCRIPTION AND STRATIGRAPHY	NOTES
10				14	20	S1	1				**Brownish Black (5YR 2/1), FILL, Top 2" Asphalt, Coarse to fine SAND, trace fine Gravel, trace Silt, moist.**	
	9	6 7 7 6		11	18	S2	2	2			**Moderate yellowish brown (10YR 5/4), FILL, Coarse to fine SAND, trace fine Gravel, trace Silt, moist.**	
	7	5 5 6 4		10	17	S3	3 4 5	4		SP-SM	**Moderate yellowish brown (10YR 5/4) to Dark gray (N3), Slitty SAND, trace medium Gravel, moist.**	
5	5	4 6 6 4		11	19	S4	6	6		SP	**Moderate yellowish brown (10YR 5/4), coarse to fine SAND, trace medium Gravel, wet.**	
	3	4 5 2 w.o.h			18	S5	7 8	8		CL	**Dark gray (N3), CLAY, wet.**	
0	1	1 0 0					9 10	10			**Total Depth of Boring 10 feet.**	

Boring Log — BORING NO.: BP8

Louis Berger

Page 1 of 1

CLIENT:	Governor's Office of Storm Recovery, (GOSR)	**PROJECT NO.:**	2042969
PROJECT:	Smith Pond Rehabilitation	**DATE STARTED:**	10/16/2019
LOCATION:	Rockville Centre, NY	**DATE FINISHED:**	10/16/2019
DRILLING CONTRACTOR:	Land,Air, Water Environmental Service Inc	**DRILLER:**	Ernesto SANTIAGO
DRILLING METHOD:	Direct push/ Hollow stem auger	**SIZE AND TYPE OF BIT:**	3.5" Geoprobe rods
DRILLING EQUIPMENT:	Geoprobe 7822DT	**INSPECTOR:**	LU, SHEENA
SAMPLER TYPE:	1.375" I.D. Split Spoon	**HAMMER:** Auto	**WEIGHT:** 140 lbs **DROP:** 30 in

BOREHOLE DATA

Diameter (inches):	3 1/2	**Elevation (ft. MSL):** 11	**Northing:** 40.663064°
Total Depth (ft.):	10	**Groundwater Depth [Elevation] (ft.):** 7 [4]	**Easting:** -73.652626°

NOTES:

Elevation (ft. MSL)	Bottom Elevation	Blow Counts	Standard Penetration Resistance N-Value (Blows / ft.)	SPT-N (Blows/ft.)	Recovery (in)	Sample No.	Depth in Feet	Bottom Depth	Lithology	USCS	SOIL DESCRIPTION AND STRATIGRAPHY	NOTES
10				13	16	S1	1				**Moderate yellowish brown (10YR 5/4), FILL, Top 1" Asphalt, Coarse to fine SAND, trace fine Gravel, trace Silt, moist.**	
	9	6 6 7 4		10	21	S2	2	2		SP	**Moderate yellowish brown (10YR 5/4), coarse to fine SAND, trace coarse to fine Gravel, trace Silt, wet.**	
	7	4 5 6 6		4	15	S3	3 4 5	4		SC-SM	**Dark gray (N3), coarse to fine SAND, some Clay & Silt, trace Gravel, moist.**	
5	5	3 1 1 W.O.H			16	S4	6	6		CL-ML	**Dark gray (N3), SILT & CLAY, trace coarse to fine Sand, wet.**	
	3	0 0 1 W.O.H			23	S5	7 8	8		SM	**Dark gray (N3), Clayey SAND, little Silt, trace medium Gravel, wet.**	
0	1	0 0					9 10	10			**Total Depth of Boring 10 feet.**	

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

STATE OF NEW YORK — REBECCA DOUGHERTY MAZZOLLA — 100223 — LICENSED PROFESSIONAL ENGINEER

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

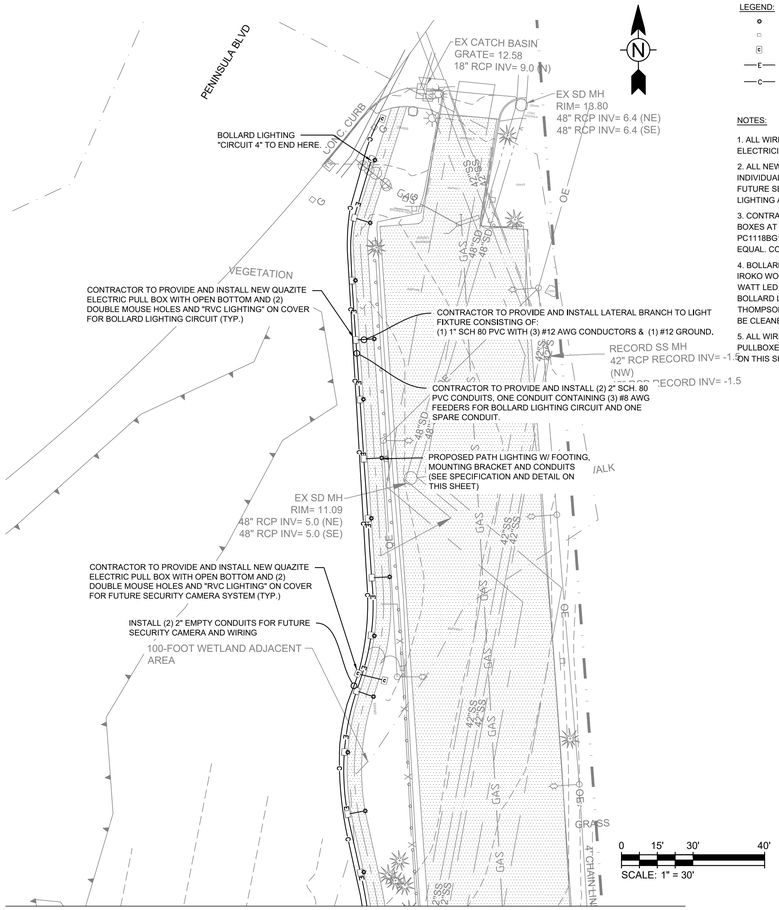
Drawing Title

BORING LOGS
(5 OF 5)

Drawing Number BL-106

Sheet 87 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-BL101 Boring Logs.dwg Jul 27, 2020



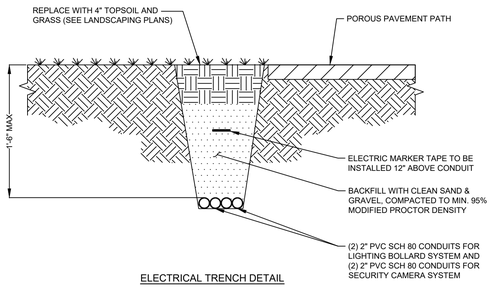
MATCHLINE SEE DRAWING E-102

LEGEND:

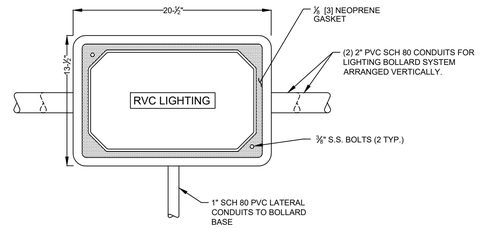
- BOLLARD LIGHT FIXTURE
- PULLBOX FOR LIGHTING BOLLARD
- PULLBOX FOR FUTURE CAMERA INSTALLATION
- —E— ELECTRIC CONDUIT AND WIRES FOR BOLLARD LIGHTING CIRCUIT
- —C— ELECTRIC CONDUIT FOR FUTURE SECURITY CAMERA INSTALLATION

NOTES:

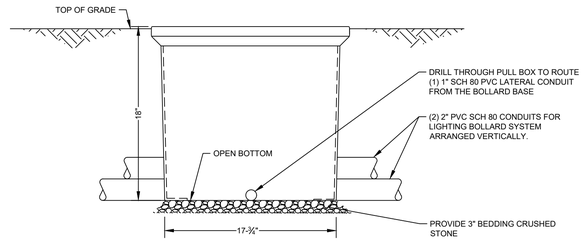
1. ALL WIRING SHALL BE DONE BY A LICENSED VILLAGE OF ROCKVILLE CENTER ELECTRICIAN AND SHALL BE COORDINATED WITH THE RVC ELECTRIC DEPARTMENT.
2. ALL NEW 2 INCH CONDUIT INSTALLATIONS SHOWN SHALL BE MADE UP OF (4) INDIVIDUAL 2 INCH CONDUITS: (1) FOR LIGHTING PLUS (1) SPARE LIGHTING. (2) FOR FUTURE SECURITY CAMERA INSTALLATION. INSTALL SEPARATE PULL BOXES FOR LIGHTING AND SECURITY CONDUIT PAIRS.
3. CONTRACTOR SHALL FURNISH AND INSTALL FIBERGLASS-CEMENT JUNCTION/PULL BOXES AT LOCATIONS SHOWN ON DRAWING. BOXES SHALL BE QUAZITE PC1118BG18 WITH OPEN BOTTOM, (2) MOUSE HOLES AND TIER TWO BOLT COVER OR EQUAL. COVER LOGO SHALL READ "RVC LIGHTING" CAST THEREIN.
4. BOLLARD LIGHT FIXTURES SHALL BE GEMMA LIGHTING MODEL NEPTUNE 5XL110 IN IROKO WOOD. INCLUDE MOUNTING FLANGE KIT P/N FIX0027. FIXTURES SHALL HAVE A 5 WATT LED LIGHT AND OPERATE ON 110 VOLT, 60 Hz POWER. ALL NEW AND EXISTING BOLLARD LIGHT FIXTURES SHALL BE COATED WITH A PROTECTIVE COATING SUCH AS THOMPSON'S CLEAR WATER SEAL OR APPROVED EQUAL. EXISTING BOLLARDS SHALL BE CLEANED PRIOR TO COATING.
5. ALL WIRING, LIGHTING PULL BOXES, LIGHTING BOLLARDS AND SECURITY CAMERA PULLBOXES AND SYMBOLS AS SHOWN ON THE PLANS ARE SCHEMATIC, SEE DETAILS ON THIS SHEET.



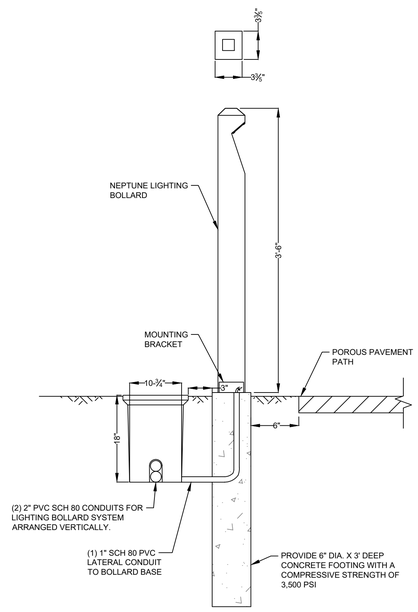
ELECTRICAL TRENCH DETAIL



JUNCTION PULL BOX DETAIL- PLAN VIEW (NTS)



JUNCTION BOX DETAIL- ELEVATION VIEW (NTS)



LIGHTING BOLLARD AND PULLBOXES INSTALLATION DETAIL (NTS)

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp
412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

Hayduk Engineering, LLC
consulting engineers

ISLAND STRUCTURES ENGINEERING, P.C.

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	SH
Drawn by	SH
Checked by	RM
Date	7/27/2020

Drawing Title

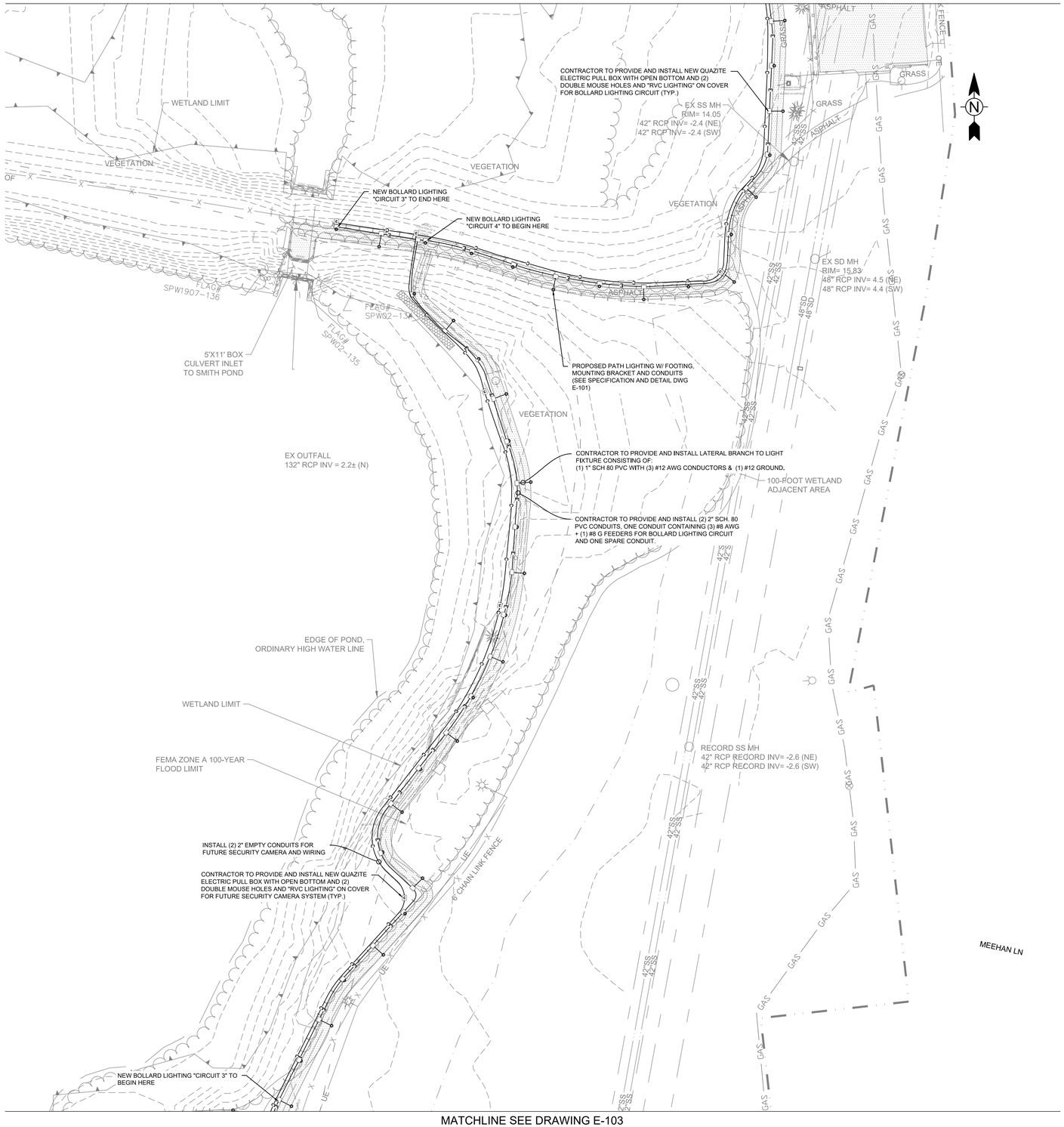
ELECTRICAL PLAN
(1 OF 4)

Drawing Number E-101

Sheet 88 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-100% DESIGN-ELECTRICAL SITE PLAN.dwg Jul 27, 2020

MATCHLINE SEE DRAWING E-101



MATCHLINE SEE DRAWING E-103

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-100% DESIGN-ELECTRICAL SITE PLAN.dwg Jul 27, 2020

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

Hayduk Engineering, LLC
consulting engineers

ISLAND STRUCTURES ENGINEERING, P.C.

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	SH
Drawn by	SH
Checked by	RM
Date	7/27/2020

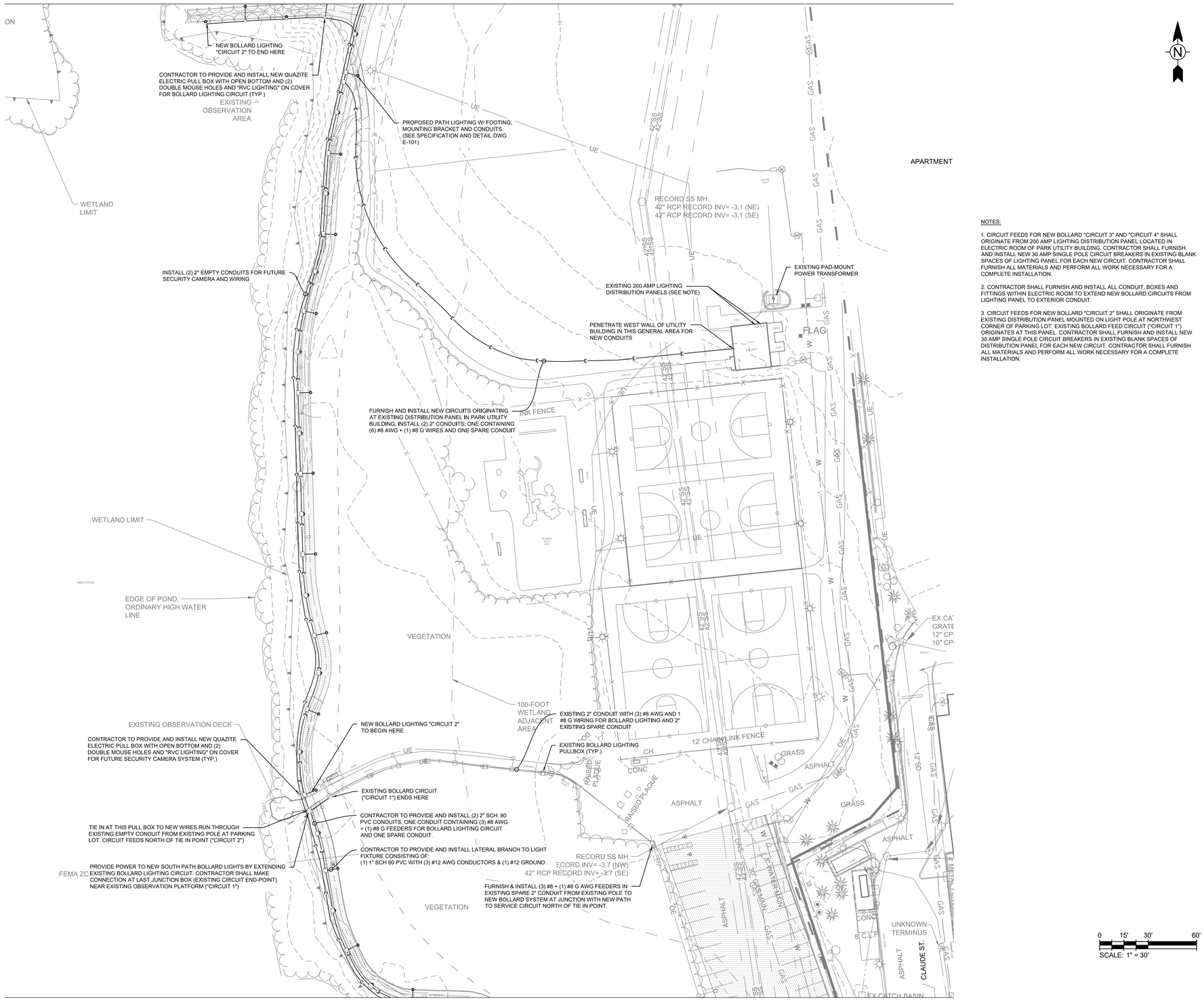
Drawing Title

ELECTRICAL PLAN
(2 OF 4)

Drawing Number E-102

Sheet 89 of 93

MATCHLINE SEE DRAWING E-102



NOTES:

1. CIRCUIT FEEDS FOR NEW BOLLARD "CIRCUIT 3" AND "CIRCUIT 4" SHALL ORIGINATE FROM 200 AMP LIGHTING DISTRIBUTION PANEL LOCATED IN ELECTRIC ROOM OF PARK UTILITY BUILDING. CONTRACTOR SHALL FURNISH AND INSTALL NEW 30 AMP SINGLE POLE CIRCUIT BREAKERS IN EXISTING BLANK SPACES OF LIGHTING PANEL FOR EACH NEW CIRCUIT. CONTRACTOR SHALL FURNISH ALL MATERIALS AND PERFORM ALL WORK NECESSARY FOR A COMPLETE INSTALLATION.

2. CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT, BOXES AND FITTINGS WITHIN ELECTRIC ROOM TO EXTEND NEW BOLLARD CIRCUITS FROM LIGHTING PANEL TO EXTERIOR CONDUIT.

3. CIRCUIT FEEDS FOR NEW BOLLARD "CIRCUIT 2" SHALL ORIGINATE FROM EXISTING DISTRIBUTION PANEL MOUNTED ON LIGHT POLE AT NORTHWEST CORNER OF PARKING LOT. EXISTING BOLLARD FEED CIRCUIT ("CIRCUIT 1") ORIGINATES AT THIS PANEL. CONTRACTOR SHALL FURNISH AND INSTALL NEW 30 AMP SINGLE POLE CIRCUIT BREAKERS IN EXISTING BLANK SPACES OF DISTRIBUTION PANEL FOR EACH NEW CIRCUIT. CONTRACTOR SHALL FURNISH ALL MATERIALS AND PERFORM ALL WORK NECESSARY FOR A COMPLETE INSTALLATION.

MATCHLINE SEE DRAWING E-104

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp
412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

Hayduk Engineering, LLC
consulting engineers

ISLAND STRUCTURES ENGINEERING, P.C.

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	SH
Drawn by	SH
Checked by	RM
Date	7/27/2020

Drawing Title

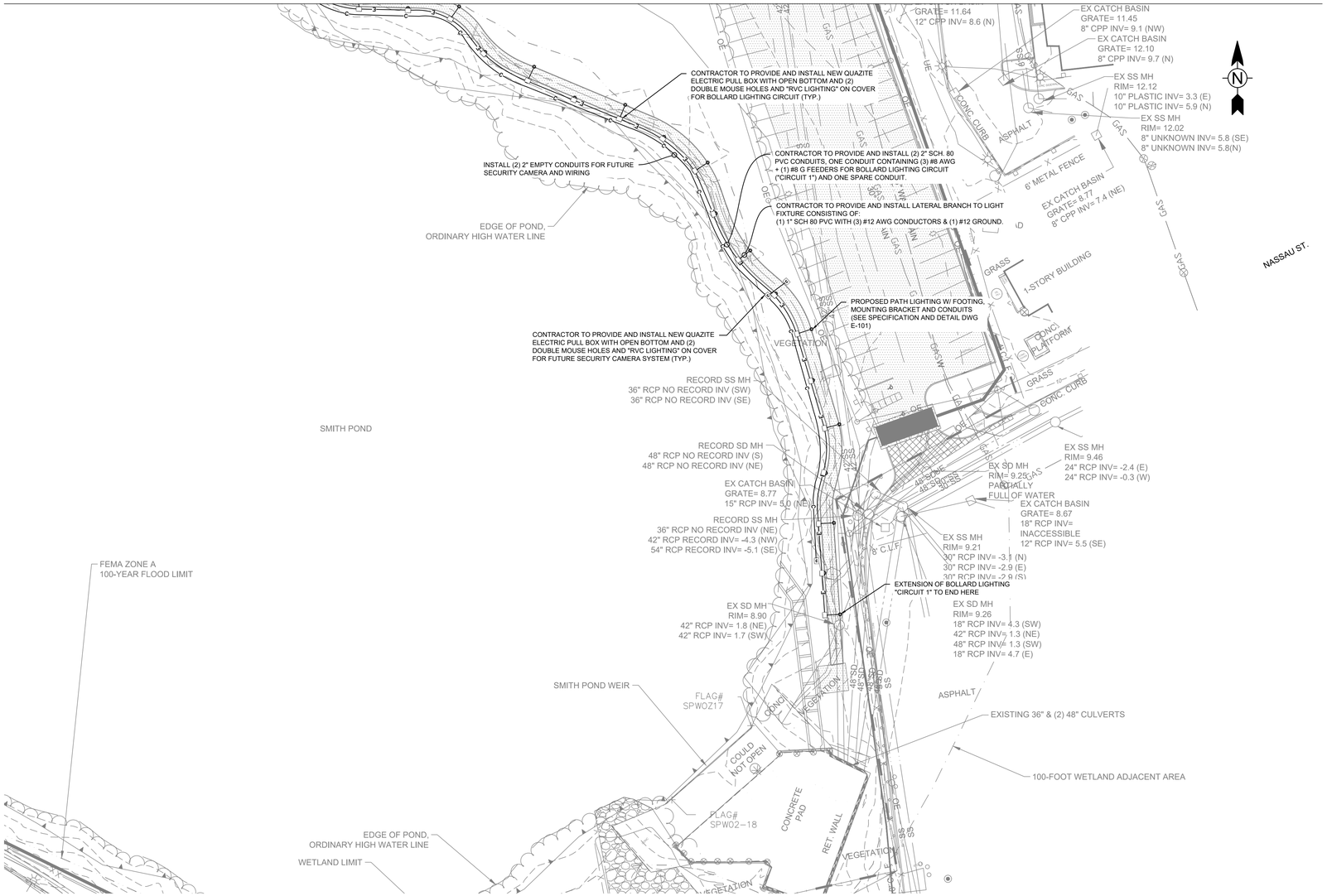
ELECTRICAL PLAN
(3 OF 4)

Drawing Number E-103

Sheet 90 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-100% DESIGN-ELECTRICAL SITE PLAN.dwg Jul 27, 2020

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-100% DESIGN-ELECTRICAL SITE PLAN.dwg Jul 27, 2020



FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

wsp

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

Hayduk Engineering LLC
consulting engineers

ISLAND STRUCTURES ENGINEERING, P.C.

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	SH
Drawn by	SH
Checked by	RM
Date	7/27/2020

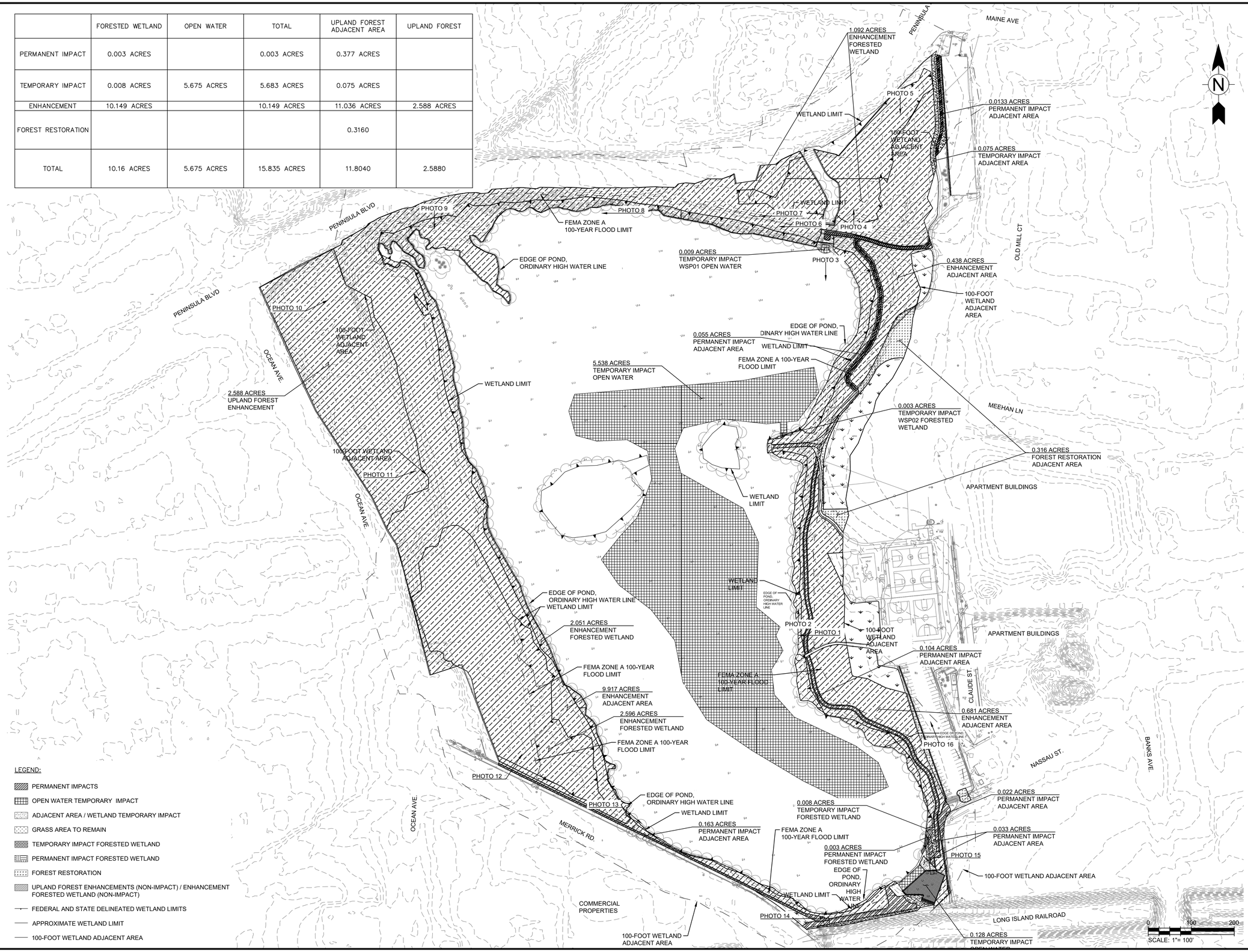
Drawing Title

ELECTRICAL PLAN
(4 OF 4)

Drawing Number E-104

Sheet 91 of 93

	FORESTED WETLAND	OPEN WATER	TOTAL	UPLAND FOREST ADJACENT AREA	UPLAND FOREST
PERMANENT IMPACT	0.003 ACRES		0.003 ACRES	0.377 ACRES	
TEMPORARY IMPACT	0.008 ACRES	5.675 ACRES	5.683 ACRES	0.075 ACRES	
ENHANCEMENT	10.149 ACRES		10.149 ACRES	11.036 ACRES	2.588 ACRES
FOREST RESTORATION				0.3160	
TOTAL	10.16 ACRES	5.675 ACRES	15.835 ACRES	11.8040	2.5880



LEGEND:

- PERMANENT IMPACTS
- OPEN WATER TEMPORARY IMPACT
- ADJACENT AREA / WETLAND TEMPORARY IMPACT
- GRASS AREA TO REMAIN
- TEMPORARY IMPACT FORESTED WETLAND
- PERMANENT IMPACT FORESTED WETLAND
- FOREST RESTORATION
- UPLAND FOREST ENHANCEMENTS (NON-IMPACT) / ENHANCEMENT FORESTED WETLAND (NON-IMPACT)
- FEDERAL AND STATE DELINEATED WETLAND LIMITS
- APPROXIMATE WETLAND LIMIT
- 100-FOOT WETLAND ADJACENT AREA

FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

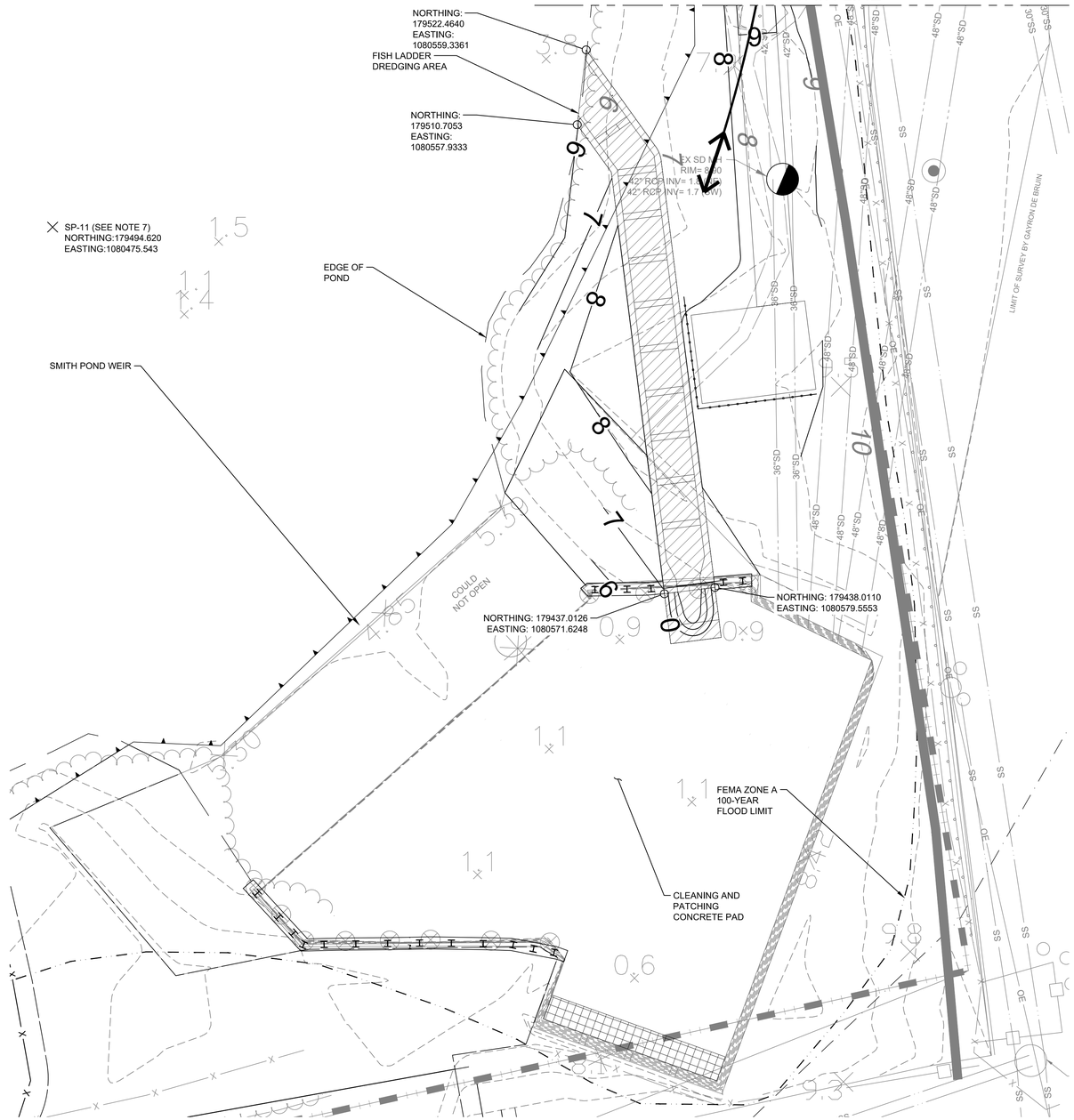
Drawing Title

PERMIT IMPACT PLAN

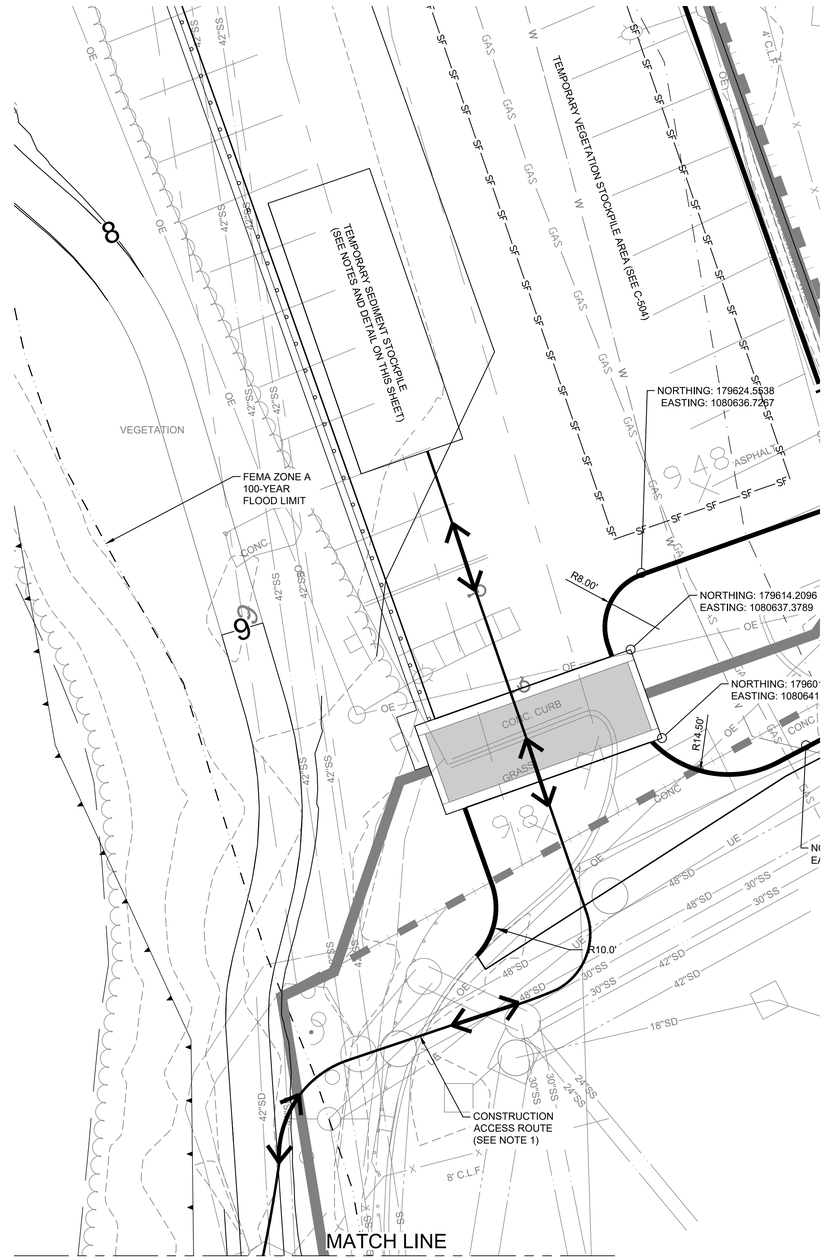
Drawing Number P-101

Sheet 92 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.ibgcorp.com\fp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\Permit Plot\SMITH POND-Permit.dwg Jul 27, 2020



CONCRETE PAD AND FISH LADDER



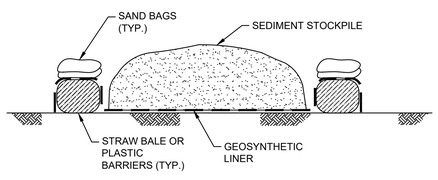
SOIL STOCKPILE AREA, SOUTH PARKING LOT

LEGEND:

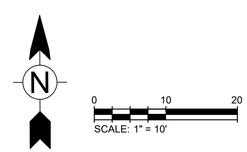
- FEMA ZONE A 100-YEAR FLOOD LIMIT
- WETLAND LIMIT
- LOD — LIMIT OF DISTURBANCE
- EDGE OF POND
- DREDGING AREA

NOTES:

1. ACCESS TO WORK AREAS ARE AT THE CONTRACTOR'S DISCRETION WITH THE APPROVAL OF THE ENGINEER. CONSTRUCTION ACCESS ROUTES MAY BE MODIFIED WITH APPROVAL OF THE ENGINEER. ANY AREA DISTURBED OR DAMAGED BY THE CONTRACTOR OUTSIDE OF THE LIMIT OF DISTURBANCE SHOWN SHALL BE RESTORED TO EXISTING CONDITIONS, TO THE SATISFACTION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
2. THE EXCAVATED MATERIAL SHALL BE STOCKPILED LANDWARD OF THE 100' FRESHWATER WETLAND SETBACK ON A LINED CONTAINMENT AREA DESIGNED TO CAPTURE WATER EFFLUENT FROM THE SEDIMENT. AN ELAP-CERTIFIED LAB MUST THEN PERFORM A 3-5 POINT COMPOSITE SAMPLING.
3. THE REPRESENTATIVE SAMPLE OF THE MATERIAL MUST PASS THE PROTECTION OF GROUNDWATER (POG) SCOS OF 6 NYCRR PART 375-6.8(B).
4. IF ANY ANALYTE(S) EXCEEDS THE POG CONCENTRATION, THE ANALYTE(S) MUST UNDERGO SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP). THE SPLP PROCEDURE MUST BE PERFORMED ACCORDANCE WITH SW-846 METHOD EPA 1312.
5. FOR UPLAND DISPOSAL OF DREDGE SPOIL ON ANY LONG ISLAND LANDFILLS, THE SPLP RESULTS MUST PASS THE AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES OF 6NYCRR PART 703 FOR WATER CLASS GA.
6. THE DREDGED MATERIAL SHALL BE SAMPLED AND TESTED IN ACCORDANCE WITH THE METHODS AND ANALYSIS REQUIRED BY THE SELECTED LANDFILL.
7. SOIL SAMPLE SP-11 WAS ACQUIRED IN A PREVIOUS ENVIRONMENTAL INVESTIGATION THAT INCLUDED SEDIMENT SAMPLING AT 11 LOCATIONS THROUGHOUT THE POND. INITIAL REVIEW OF THE SEDIMENT ANALYSIS REVEALED CONTAMINATION OF LEAD, ARSENIC, AND ELEVATED LEVELS OF MERCURY AND CHRYSENE IN SP-11, THE SAMPLE CLOSEST TO THE PROPOSED EXCAVATED MATERIAL.



SEDIMENT STOCKPILE DETAIL
N.T.S.



FUNDING AGENCY

Governor's Office of Storm Recovery

CONSULTANTS:

412 Mount Kemble Avenue
PO Box 1946
Morristown, NJ 07962

REBECCA DOUGHERTY MAZZOLLA
N.Y. Professional Engineer Lic. No. 100223-1

100% SUBMISSION

No.	Date	Revision

SUBRECIPIENT

Village of Rockville Centre

PROJECT TITLE

SMITH POND
REHABILITATION PROJECT
(PROJECT L)

VILLAGE OF
ROCKVILLE CENTRE,
LONG ISLAND, NEW YORK

GOSR PROJECT NO.	VGOSR000155
WSP Project No.	2042969.001
Designed by	MH
Drawn by	SL
Checked by	RM
Date	7/27/2020

Drawing Title

SAMPLING
PLAN

Drawing Number SP-101

Sheet 93 of 93

LOUIS BERGER, MORRISTOWN, NJ CADD FILE: \\mtn-fs-01.us.lbgcorp.com\lp\Operations\NYS GOSR\Smith Pond-Covert St-Nichols St\08 - Drawings\Smith Pond\PLOTSHEETS\SMITH POND-SP101 Sampling Plan.dwg Jul 27, 2020

Appendix A2

Lister Park Improvements

This page intentionally left blank.

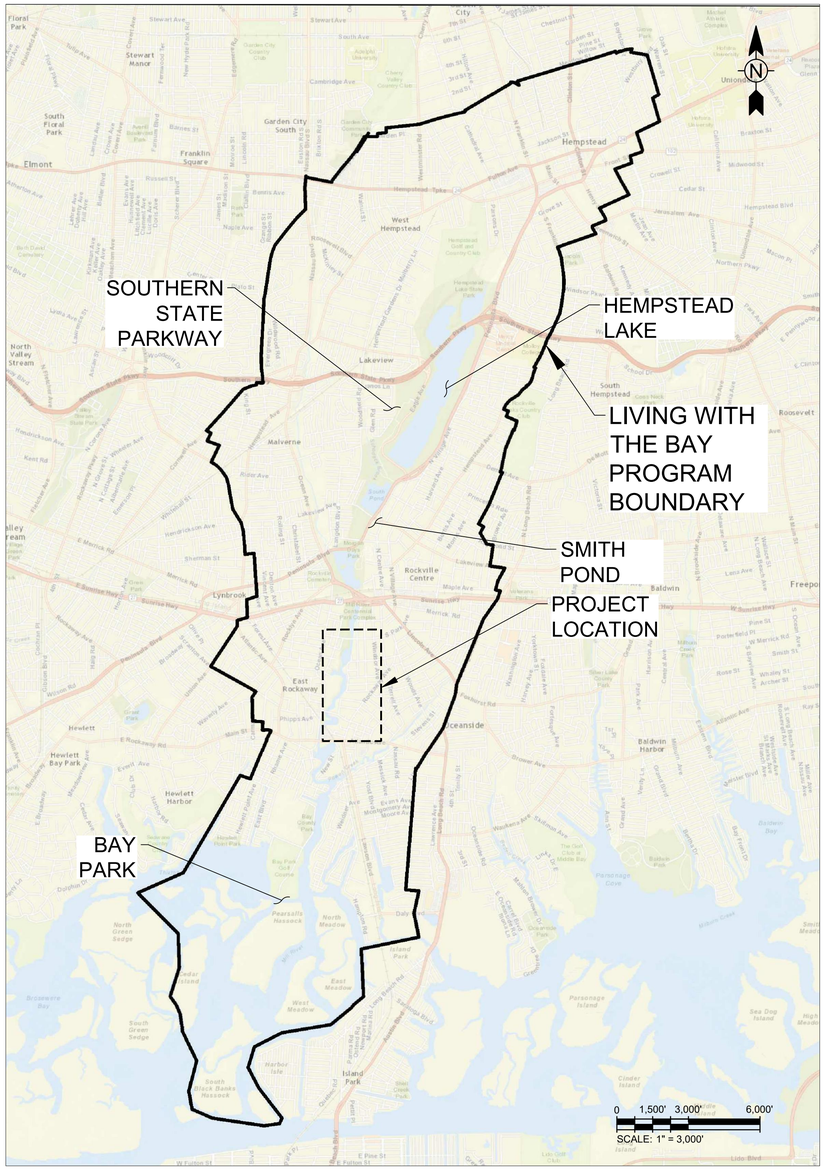
Governor's Office of Storm Recovery

LISTER PARK IMPROVEMENTS

TETRA TECH
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PH: 646.576.4034
www.tetratech.com

TETRA TECH

PROJECT VICINITY:



PROJECT LOCATION:

PROJECT LOCATION:

VILLAGE OF ROCKVILLE CENTRE, NY

CLIENT INFORMATION:

NEW YORK STATE HTFC
500 Bi-County Boulevard
Suite 300
Farmingdale, NY 11735

Tt PROJECT No.:

200-89763-18003

ISSUED:

DRAFT 100% DESIGN SET - NOT FOR CONSTRUCTION 06/26/2020

SHEET INDEX:

SHEET #	SHEET NAME
G-000	COVER SHEET
G-001	LEGEND AND GENERAL NOTES
G-002	OVERALL PROJECT AREA
C-101	TIGHE FIELD - DEMOLITION PLAN
C-102	CENTENNIAL FIELD - DEMOLITION PLAN
C-103	LIVING SHORELINE - DEMOLITION PLAN
C-104	LIVING SHORELINE AND BLIGH FIELD - DEMOLITION PLAN
C-105	LIVING SHORELINE AND BLIGH FIELD - DEMOLITION PLAN
C-201	TIGHE FIELD - PAVEMENT PLAN
C-202	CENTENNIAL FIELD - PAVEMENT PLAN
C-203	TIGHE FIELD - GRADING PLAN
C-204	CENTENNIAL FIELD - GRADING PLAN
C-205	TIGHE FIELD - DRAINAGE PLAN
C-206	CENTENNIAL FIELD - DRAINAGE PLAN
C-207	BLIGH FIELD - SITE PLAN
C-208	BLIGH FIELD - GRADING AND DRAINAGE PLAN
C-301	TIGHE FIELD - SOIL EROSION CONTROL PLAN
C-302	CENTENNIAL FIELD - SOIL EROSION CONTROL PLAN
C-303	LIVING SHORELINE - SOIL EROSION AND SEDIMENT CONTROL PLAN
C-304	LIVING SHORELINE AND BLIGH FIELD - SOIL EROSION AND SEDIMENT CONTROL PLAN
C-305	LIVING SHORELINE AND BLIGH FIELD - SOIL EROSION AND SEDIMENT CONTROL PLAN
C-306	EROSION CONTROL DETAILS AND NOTES
C-401	LIVING SHORELINE PLAN VIEW - NORTHWEST (1 OF 2)
C-402	LIVING SHORELINE PLAN VIEW - NORTHWEST (2 OF 2)
C-403	LIVING SHORELINE PLAN VIEW - NORTHEAST
C-404	LIVING SHORELINE PLAN VIEW - SOUTH (1 OF 2)
C-405	LIVING SHORELINE PLAN VIEW - SOUTH (2 OF 2)
C-406	LIVING SHORELINE NORTHERN CROSS-SECTIONS
C-407	LIVING SHORELINE SOUTHERN CROSS-SECTIONS
C-408	LIVING SHORELINE DETAIL SECTIONS
C-501	DETAILS
C-502	DETAILS
C-503	DETAILS
C-504	DETAILS
C-505	DETAILS
C-506	DETAILS
C-507	DETAILS
S-101	STRUCTURAL PLAN
S-102	STRUCTURAL PLAN
S-501	STRUCTURAL DETAILS
L-101	TIGHE FIELD - LANDSCAPE AND LIGHTING PLAN
L-102	CENTENNIAL FIELD - LANDSCAPE AND LIGHTING PLAN
L-103	BLIGH FIELD - LANDSCAPE AND LIGHTING PLAN
L-104	LANDSCAPE PLAN - LIVING SHORELINE NORTHWEST (1 OF 2)
L-105	LANDSCAPE PLAN - LIVING SHORELINE NORTHWEST (2 OF 2)
L-106	LANDSCAPE PLAN - LIVING SHORELINE NORTHEAST
L-107	LANDSCAPE PLAN - LIVING SHORELINE SOUTH (1 OF 2)
L-108	LANDSCAPE PLAN - LIVING SHORELINE SOUTH (2 OF 2)
L-500	SITE/LANDSCAPING DETAILS
L-501	LIGHTING DETAILS

GENERAL NOTES:

1. ALL LABOR, MATERIALS, AND METHODS OF CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE MINIMUM ENGINEERING AND CONSTRUCTION STANDARDS ADOPTED BY NASSAU COUNTY. WHERE CONFLICTS OR OMISSIONS EXIST, THE NASSAU COUNTY STANDARDS SHALL DICTATE. SUBSTITUTIONS AND DEVIATION FROM PLANS AND SPECIFICATIONS SHALL BE PERMITTED ONLY WHEN WRITTEN APPROVAL HAS BEEN ISSUED BY THE ENGINEER.
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE MOST CURRENT VERSION OF THE CONSTRUCTION SPECIFICATIONS.
3. SHOP DRAWINGS OF ALL MATERIALS BEING USED SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
4. THE CONTRACTOR SHALL FURNISH, INSTALL, TEST AND COMPLETE ALL WORK TO THE SATISFACTION OF THE ENGINEER AND OWNER IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION; AS SUCH, THESE PLANS DO NOT COMPLETELY REPRESENT, NOR ARE THEY INTENDED TO REPRESENT, ALL SPECIFIC INSTRUCTIONS REQUIRED FOR SITEWORK CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE TO CONSTRUCT ALL IMPROVEMENTS DEPICTED ON THESE PLANS IN ACCORDANCE WITH ALL APPLICABLE RULES, REGULATIONS AND LAWS IN EFFECT AT THE TIME OF CONSTRUCTION.
5. THE CONTRACTOR SHALL ACCEPT THE SITE AS IS. THE CONTRACTOR SHALL ASSESS CONDITIONS, AND THE KIND, QUALITY AND QUANTITY OF WORK REQUIRED. THE OWNER AND ENGINEER MAKE NO GUARANTEE IN REGARD TO THE ACCURACY OF ANY INFORMATION THAT WAS OBTAINED DURING INVESTIGATIONS. THE CONTRACTOR SHALL: MAKE A THOROUGH SITE INSPECTION IN ORDER TO FIELD CHECK EXISTING SITE CONDITIONS; CORRELATE CONDITIONS WITH THE DRAWINGS; AND, RESOLVE ANY POSSIBLE CONSTRUCTION CONFLICTS WITH THE OWNER AND ENGINEER PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL PERFORM ADDITIONAL TOPOGRAPHIC AND UTILITY SURVEYS HE/SHE DEEMS NECESSARY, PROVIDED THEY ARE COORDINATED WITH THE OWNER. ANY CONDITIONS DETERMINED BY THE CONTRACTOR THAT DIFFER FROM THE INFORMATION SHOWN ON THE DRAWINGS THAT ARE NOT BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER PRIOR TO THE START OF WORK SHALL NOT BE CONSIDERED GROUNDS FOR ADDITIONAL PAYMENT OR CHANGES TO THE CONTRACT DURATION, OR ANY OTHER CLAIMS AGAINST THE OWNER OR OWNER'S ENGINEER.
6. INFORMATION RELATED TO ELEVATIONS AND PROPOSED UTILITIES (SUCH AS ROADWAY GRADES, INVERT ELEVATIONS, RIM ELEVATIONS, GRATE ELEVATIONS, BUILDING FINISHED FLOOR ELEVATIONS, ETC.) MAY BE FOUND IN MORE THAN ONE LOCATION IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL SUFFICIENTLY REVIEW ALL PLANS, PROFILES AND ANY OTHER INFORMATION IN THE CONTRACT DOCUMENTS FOR CONSISTENCY PRIOR TO BID. ANY INCONSISTENCIES OR DISCREPANCIES THAT ARE FOUND BY THE CONTRACTOR OR HIS ASSIGNS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER IN WRITING, IN THE FORMAT OF AN RFI PRIOR TO BID.
7. THERE ARE ADDITIONAL NOTES, SPECIFICATIONS AND REQUIREMENTS CONTAINED THROUGHOUT THE PLAN SET AS WELL AS REFERENCES TO SPECIFICATIONS FROM APPLICABLE GOVERNING AUTHORITIES AND INDUSTRY STANDARDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN, REVIEW AND ADHERE TO ALL THESE DOCUMENTS.
8. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL REQUIRED PERMITS ARE OBTAINED AND IN HAND BEFORE BEGINNING ANY CONSTRUCTION. NO CONSTRUCTION OR FABRICATION OF ANY ITEM SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED ALL PLANS AND ANY OTHER DOCUMENTATION FROM ALL OF THE PERMITTING AND ANY OTHER REGULATORY AUTHORITIES. ANY PENALTIES, STOP WORK ORDERS OR ADDITIONAL WORK RESULTING FROM THE CONTRACTOR BEING IN VIOLATION OF THE REQUIREMENTS ABOVE, SHALL BE FULLY BORNE BY THE CONTRACTOR.
9. THE LOCATION OF ALL EXISTING UTILITIES AND STORM DRAINAGE SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AT THE TIME RECEIVED AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR INACCURACY. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITIES AND TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATION OF THESE UTILITIES WITH THE OWNER OF THE UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING UNDERGROUND UTILITIES, WHETHER SHOWN ON THE PLAN OR LOCATED BY THE UTILITY COMPANY. ALL UTILITIES WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FIRST. ANY FEES ASSOCIATED WITH UTILITY RELOCATIONS SHALL BE BORNE IN ACCORDANCE WITH RESPECTIVE UTILITY COMPANY STANDARDS. ANY DELAY OR INCONVENIENCE CAUSED TO THE CONTRACTOR BY THE RELOCATION OF THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED.
10. THE SEQUENCE OF CONSTRUCTION SHALL BE SUCH THAT ALL UNDERGROUND INSTALLATIONS OF EVERY KIND SHALL BE PLACED BENEATH THE PAVEMENT AND ITS EDGES PRIOR TO THE CONSTRUCTION OF THE FINAL PAVEMENT LAYER. THE PAVEMENT SHALL NOT BE CUT WITHOUT PRIOR APPROVAL OF THE ENGINEER.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING ANY CONSTRUCTION ACTIVITIES FROM TAKING PLACE OUTSIDE OF THE LIMITS OF CONSTRUCTION SHOWN ON THE PLANS. ANY ON-SITE OR OFFSITE AREAS IMPACTED OR DISTURBED BY CONSTRUCTION ACTIVITIES OR LOADINGS SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
12. EXISTING BOUNDARY, UTILITY AND TOPOGRAPHIC INFORMATION FOR THE SITE OBTAINED FROM SURVEY BY GAYRON DE BRUIN LAND SURVEYING AND ENGINEERING, P.C. DATED DECEMBER 2018, LAST REVISED NOVEMBER 2019 IN THE NORTH AMERICAN VERTICAL DATUM (NAVD88).
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY TESTING TO ASSURE THAT THE PROPER COMPACTION HAS BEEN ACHIEVED ON THE SUBGRADE, BASE, AND ALL OTHER PERTINENT AREAS THAT HAVE BEEN COMPLETED. THE CONTRACTOR SHALL BEAR ALL COSTS ASSOCIATED WITH TESTING AND RETESTING OF THE AREAS AND SHALL PROVIDE THE OWNER AND THE ENGINEER WITH COPIES OF THE CERTIFICATION OF COMPACTION FROM THE TESTING COMPANY. COMPACTION SHALL MEET THE REQUIREMENTS IN SPECIFICATIONS.
14. ALL PROPOSED TRAFFIC SIGNAGE AND PAVEMENT MARKINGS SHALL FOLLOW THE LATEST VERSION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
15. CONTRACTOR TO INSTALL FLOOD PROTECTION AND KNEEWALLS TO DFE AS DETAILED ON THE GRADING DRAWINGS. BERMS TO BE CONSTRUCTED TO DESIGN ELEVATION SPECIFIED TO ACCOUNT FOR SETTLEMENT. AS-BUILT SURVEY SHALL BE PROVIDED VERIFYING THE DESIGN ELEVATION HAVE BEEN MET. IF THE AS-BUILT SURVEY INDICATES ANY PORTION OF THE FLOOD PROTECTION MEASURES ARE BELOW THE DFE, THE CONTRACTOR IS RESPONSIBLE FOR REMEDYING THE SITUATION AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL PROPOSE A METHOD OF REMEDIATION, WHICH WILL BE REVIEWED AND APPROVED BY THE ENGINEER BEFORE BEING CONSTRUCTED.

UTILITY NOTES:

1. ALL ON-SITE UTILITIES SHALL BE UNDERGROUND AS APPLICABLE, UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES WHICH MAY HAVE THEIR UTILITIES IN THE AREA WITHIN THE CONSTRUCTION AREAS TO LOCATE THEIR FACILITIES IN THE FIELD FORTY-EIGHT (48) HOURS PRIOR TO BEGINNING OR EXPECTATION OF CONSTRUCTION.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF ALL SUPPORT OF EXCAVATIONS. CONTRACTOR SHALL SUBMIT METHODS FOR EXCAVATION SUPPORT SIGNED AND SEALED BY ENGINEER LICENSED IN NEW YORK STATE FOR REVIEW BY OWNERS ENGINEER. METHODS SHALL INCLUDE PROCEDURES FOR MONITORING OF UTILITIES AND ADJACENT STRUCTURES DURING THE WORK.
4. CONTRACTOR TO TAKE NECESSARY PRECAUTIONS WHILE WORKING BELOW OR ADJACENT TO OVERHEAD ELECTRICAL LINES.

DEMOLITION:

1. THE CONTRACTOR SHALL INSPECT THE SITE THOROUGHLY AND FIELD VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES. SOME UNDERGROUND UTILITIES MAY BE LOCATED DIFFERENTLY THAN SHOWN ON THESE PLANS. ALL CONTRACTORS USING THESE PLANS FOR DEMOLITION OR CONSTRUCTION SHALL CONFIRM ALL UTILITIES IN THE FIELD TO ESTABLISH LOCATIONS. SIZES, MATERIALS, AND ELEVATIONS ANY DISCREPANCIES SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
2. PRIOR TO COMMENCEMENT OF ANY DEMOLITION WORK. THE CONTRACTOR SHALL INSTALL SOIL EROSION MEASURES NECESSARY FOR STABILIZATION. RECOMMENDATIONS ARE PROVIDED IN THE SOIL EROSION AND SEDIMENT CONTROL PLAN.
3. THE CONTRACTOR SHALL OBTAIN NECESSARY PERMITS AND LICENSES FOR PERFORMING THE DEMOLITION WORK AND SHALL FURNISH A COPY OF SAME TO THE ENGINEER PRIOR TO COMMENCING THE WORK. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE PERMITS.
4. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES OR LOCAL AUTHORITIES FURNISHING GAS, WATER, ELECTRICAL, TELEPHONE, CABLE, FIBER OPTIC OR SEWER SERVICE SO THEY CAN REMOVE, RELOCATE, DISCONNECT, CAP OR PLUG THEIR EQUIPMENT IN ORDER TO FACILITATE DEMOLITION.
5. THE CONTRACTOR SHALL PROTECT ALL UTILITIES AND OTHER IMPROVEMENTS SHOWN ON THESE PLANS AND UTILITIES AND OTHER IMPROVEMENTS NOT SHOWN. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR REPAIRS OF UTILITIES AND OTHER IMPROVEMENTS DAMAGED DURING CONSTRUCTION OR BY CONSTRUCTION LOADINGS AND SHALL MAINTAIN SUFFICIENT PROTECTION FOR ALL UTILITIES IDENTIFIED BY THE SURVEY OR LOCATED IN THE FIELD TO PROTECT THEM FROM DAMAGE AND TO PROTECT THE PUBLIC DURING CONSTRUCTION.
6. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL TREES, STRUCTURES, AND UTILITIES NOT MARKED FOR REMOVAL OR DEMOLITION AND SHALL PROMPTLY REPAIR ANY DAMAGE AS DIRECTED BY THE ENGINEER AT NO COST TO THE OWNER.
7. THE CONTRACTOR SHALL REMOVE ONLY PAVEMENT MARKED FOR DEMOLITION WHICH INCLUDES ALL ASPHALT, CONCRETE, BASE, AND RETAINING WALLS (INCLUDING THE FOOTERS).
8. TREES NOT MARKED FOR REMOVAL SHALL BE PROTECTED IN ACCORDANCE WITH NASSAU COUNTY REGULATIONS.
9. THE CONTRACTOR SHALL REMOVE UNSALVAGEABLE MATERIALS AND YARD WASTE FROM THE SITE IMMEDIATELY AND DISPOSE OF IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.
10. THE CONTRACTOR SHALL SAW-CUT A SMOOTH STRAIGHT EDGE ON ANY PAVEMENT PROPOSED FOR DEMOLITION PRIOR TO ITS REMOVAL. PRIOR TO CONNECTING PROPOSED PAVEMENT TO EXISTING PAVEMENT, THE CONTRACTOR SHALL ENSURE THAT THE EDGE OF THE EXISTING PAVEMENT IS STRAIGHT AND UNIFORM.
11. CONTRACTOR SHALL REMOVE & REPLACE ALL SIGNS, MAILBOXES, FENCING, DRAINAGE STRUCTURES, ETC. AS REQUIRED TO COMPLETE THIS PROJECT. ALL SUCH RESTORATION SHALL BE COMPLETED IMMEDIATELY FOLLOWING PIPE INSTALLATION & BACK FILLING & SHALL BE INCLUDED IN CONTRACTOR'S PRICE FOR PROJECT. NO DISRUPTION OF THE U.S. MAIL IS ALLOWED, TEMPORARY MEASURES FOR MAIL DELIVERY MAY BE REQUIRED.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND PROPER DISPOSAL OF ALL REMOVED/DEMOLISHED PIPE, STRUCTURES, EQUIPMENT, AND APPURTENANCES.
13. ALL PROPERTY OWNERS AFFECTED BY THE WORK SHALL BE NOTIFIED BY THE CONTRACTOR FOR ANY DISRUPTION OF SERVICE OR REQUIRED ACCESS A MINIMUM OF 14 DAYS PRIOR TO SUCH DISRUPTION OR ACCESS.

EARTHWORK, GRADING, STABILIZATION, PAVING AND DRAINAGE:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR ACCEPTING UNFORESEEN SOIL CONDITIONS AND BURIED OBJECTS AND BACKFILLING AS REQUIRED.
2. COMPACT ALL UTILITY TRENCHES AS NOTED IN THE PROJECT SPECIFICATIONS.
3. ALL PAVEMENT MARKINGS SHALL BE REPLACED IN KIND TO EXISTING CONDITION AND IN ACCORDANCE WITH MUTCD, NYSDOT AND NASSAU COUNTY REQUIREMENTS.
4. PLANS AND SPECIFICATIONS REQUIRE THAT COMPACTED BACKFILL BE PLACED ALONG SIDE OF AND OVER ALL UTILITIES, STRUCTURES AND IMPROVEMENTS.
5. THE CONTRACTOR MUST INSTALL AND MAINTAIN GRASS ON EXPOSED SLOPES WITHIN SEVEN DAYS OF COMPLETED FINAL GRADES, AS NOTED ON PLANS, AND AT ANY OTHER TIME AS NECESSARY TO PREVENT EROSION, SEDIMENTATION OR TURBID DISCHARGES TO ANY DOWNSTREAM WATER BODY, WETLAND, OR OFF-SITE PROPERTY. SODDING ON SLOPES 3:1 AND STEEPER SHALL BE STAKED.
6. SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
7. ALL PROPOSED STORM DRAINAGE PIPING SHALL BE TEMPORARILY PROTECTED WITH REQUIRED MINIMUM COVER FOR CONSTRUCTION.
8. SPOT ELEVATIONS SHOWN AT CURB LINES DENOTE PAVEMENT ELEVATIONS.
9. PLAN AND PROFILE STRUCTURES ARE SYMBOLS THAT ARE PROVIDED FOR REFERENCE, AND ARE NOT TO BE USED AS THE BASIS FOR CONSTRUCTION. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF ALL DRAINAGE, SANITARY, AND UTILITY STRUCTURES TO ENGINEER.
10. IMPORTED FILL SHALL CONTAIN NO CONTAMINATION IN EXCEEDENCE OF THE PROJECT STATE ENVIRONMENTAL REVIEW AGENCY STANDARDS AND MEET THE ENVIRONMENTAL REQUIREMENTS FOR THE PROJECT. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION OF COMPLIANCE PRIOR TO DELIVERY OF ANY FILL TO THE SITE.

EROSION AND SEDIMENT CONTROL:

1. TEMPORARY AND PERMANENT SEEDING, SODDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.
2. STABILIZED CONSTRUCTION ENTRANCES AND ROADWAYS SHALL BE MAINTAINED TO PREVENT CLOGGING OF ROCK BEDDING WHICH MAY IMPEDE THE USEFULNESS OF THE STRUCTURE.
3. DISTURB ONLY THE AREA THAT IS NEEDED FOR CONSTRUCTION OR LAYDOWN.
4. ALL DISTURBED AREAS SHOULD BE PERMANENTLY SEEDED OR SODDED WITHIN FOURTEEN (14) DAYS OF CONSTRUCTION COMPLETION.
5. ALL SILT FENCE AND SAFETY BARRIER TO REMAIN IN PLACE UNTIL COMPLETION OF CONSTRUCTION.
6. INSTALL ALL SOIL EROSION CONTROL MEASURES AS SHOWN PRIOR TO ANY LAND DISTURBANCE ACTIVITIES. INSTALL SEDIMENT BARRIERS/SWALES/DITCHES/DIKES AT DOWN SLOPE AREA FROM ALL PROPOSED GRADING OPERATIONS.
7. IF CONSTRUCTION IS SUSPENDED OR COMPLETED, ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED IMMEDIATELY. ALL SLOPES STEEPER THAN ONE OF THREE (V/H) AND PERIMETER TRENCHES AND TRAP EMBANKMENTS SHALL, ON COMPLETION, BE IMMEDIATELY STABILIZED WITH TEMPORARY SEEDING AND MULCHING.
8. AFTER PAVEMENTS ARE INSTALLED AND PERMANENT VEGETATIVE COVER AND PLANTINGS ARE ESTABLISHED, REMOVE SEDIMENT BARRIERS.
9. EROSION AND SEDIMENT CONTROL MEASURES MUST BE MAINTAINED TO BE EFFECTIVE. IN GENERAL, THESE MEASURES MUST BE PERIODICALLY INSPECTED TO ENSURE STRUCTURAL INTEGRITY, TO DETECT VANDALISM DAMAGE, AND FOR CLEANING AND REPAIR WHENEVER NECESSARY.
10. DURING CONSTRUCTION, ALL STRUCTURES SHOULD BE INSPECTED WEEKLY AND AFTER EVERY PRECIPITATION EVENT. REMOVE ACCUMULATED SEDIMENT AND STOCKPILE AND STABILS IN AN AREA NOT SUBJECT TO FURTHER EROSION.

Legend

Manholes
Communications, Drain, Electric, Fiber Optic, Fire Department, Gas, Water High Temperature Hot, Record Only, Sewer, Sewer - Drop, Sewer Cleanout, Traffic, Telephone, Unknown, Water

Utility Hardware
Electric Pullbox (EB), Electric Vault (E), Gas Main Valve, Gas Marker, Gas Meter (G), Gas Service Valve, Gas Test Station (TEST), Gas Vent (G), Hydrant, Hydrant Valve, Irrigation Valve, Monitoring Well, Oil Filler Valve (TV), Pole Riser - Electric (EL), Pole Riser - Telephone, Pole Riser - T.V. (TV), Pole Riser - Traffic (TR), Roof Drain (RD), Sewer Vent (S), Stand Pipe, Traffic Detector, Traffic Loop, Unidentified Vault (V), Unknown Valve, Unknown Pullbox (T), Water Main Valve, Water Meter (W), Water Service Valve

Utility Poles
Guy Wire and Ancor, Light Pole Base, Metal Pole with Light, Metal Pole with Traffic, Pedestrian Signal (P), Wooden Utility Pole, Wooden Utility Pole with Light

Utility Pole Abbreviations

F	Fire Box
P	Pedestrian Signal
T	Traffic

Fences
Guard Rail, Steel Fence, Wooden Fence, Metal Fence, Retaining Wall, Vinyl Fence

Vegetation
Bush, Hedge, Tree (with Size) Located At Center, Tree (with Size) Located At Face, Treeline

Catch Basins
Type "A", Type 1, Type 3, Flush Grate, Round Grate, Small Rectangle Grate, Square Grate

Utility Lines and Paint Marks
Automated Vacuum, Cable (TV), Drain (1" D), Electric (Electric), Electric Offset (Electric), Fiber Optic (Fiber), Fire (Fire), Gas (Gas), Gas offset, Gas Service (Gas), Oil (Oil), Overhead, Sewer (1" S), Sewer (24" Or Greater) (1" S), Sewer House Connection (SHC 6.1" Cov.), Steam, Street Lighting, Telephone (Telephone), Telephone Offset (Telephone), Traffic (Traffic), Unknown Utility, Water (1" Water), Water (24" Or Greater), Water Offset (1" Water), Water Service, Water Chilled (Chilled Water), Water High Temperature Hot

Miscellaneous
Aerial Target, Baseline & Station (0+00, 1+00), Basketball Backboard Post (BB), Bench (B), Benchmark, Bike Rack, Boring, Cellar Door (CD), Column, Communications Pullbox (C), Communications Box - Round, Curb - Concrete, Curb - Belgian Block, Curb - Brick, Curb & Gutter, Edge Of Pavement, First Floor Entrance, Flagpole (FP), Fountain, Garage Entrance, Grill (BBQ), Guardpost (GP), Handicap Ramp, Mailbox (MB), Material Change, Multi-Meter (MM), Parking Meter, Piling, Police Box (P), Sign - Single Post, Sign - Double Post, Steps, Sprinkler (underground) (SPLR), Telephone Booth (TB), Test Hole, Traffic Control Cabinet (TC), Trash Can, Turnstile (TS), WiFi, Yard Light

Property Markers
Cross Cut, Drill Hole, Disk, Iron Pipe, Iron Rod/ Rebar/ Pin, L Cut, Misc. Marker, Monument, Monument - Not Found, PK/Mag Nail, Railroad Spike, Spike, Stake

Property Lines
ROW Line, Lot Lines

Abbreviations

Aband.	Abandoned
Alum.	Aluminum
Apt.	Apartment
Asph.	Asphalt
B.O.P.	Beginning Of Profile
B. Blk.	Belgian Block
B.T.	Blacktop
Bit.	Bituminous
Blk.	Block
Brk.	Brick
CB	Catch Basin
C.O.C.	Center Of Cable
Conc.	Concrete
Ch. Lk. Fe.	Chain Link Fence
C.L.F.	Chain Link Fence
DE	Dead End
D.I.C.B.	Double Inlet Catch Basin
Dilap.	Dilapidated
El	Elevation
EOI	End Of Information
EOP	End Of Profile
Exist.	Existing
FF=7.25	First Floor Elevation
Fr.	Frame
GF=18.30	Garage Floor Elevation
I=1.6	Invert Elevation
Inv.	Invert Elevation
L.	Left
L/C	Left Curb
MH	Manhole
PC	Point Of Curvature
Post And Rail Fence	
Rec.	Record
#107	Residence No. 107
R.	Right
R/C	Right Curb
R=32.65	Rim Elevation Of Manhole
Rim	Rim Elevation Of Manhole
Srw.	Sewer
S.I.C.B.	Single Inlet Catch Basin
SSHC	Sanitary Sewer House Connection
Sla.	Slate
Sta.	Station
Stock. Fe.	Stockade Fence
Sty.	Story
T/G	Top Of Gutter
Th #3	Test Hole
TOP	Top Of Pipe
TW	Top Of Wall
Typ.	Typical
U.G.	Underground
Vac.	Vacant
VPI	Vertical Point Of Intersection
Wd.	Wood

Pipe Material Abbreviations

ACPP	Asbestos Cement Pressure Pipe
ACP	Asbestos Cement Pipe
CI	Cast Iron
CIBS	Cast Iron Bare Steel
CLDI	Cement Lined Ductile Iron
CLMP	Cement Lined Metal Pipe
CMP	Corrugated Metal Pipe
CP	Clay Pipe
CPP	Corrugated Polyethylene Pipe
CS	Carbon Steel
DB	Double Barrel
DI	Ductile Iron
ESVP	Extra Strength Vitrified Pipe
FTRC	Flat Top Reinforced Concrete
FRP	Fiberglass Reinforced Pipe
HERCP	Horizontal Elliptical Reinforced Concrete Pipe
HDPP	High Density Polyethylene Pipe
PE	Polyethylene
PRCP	Precast Reinforced Concrete Pipe
PVC	Polyvinyl Chloride Pipe
RCP	Reinforced Concrete Pipe
SS	Stainless Steel
ST	Steel
VCP	Vitrified Clay Pipe

Directional Abbreviations

(E)	East
(N)	North
(NE)	North East
(NW)	North West
(S)	South
(SE)	South East
(SW)	South West
(W)	West
E/S	East Side
N/S	North Side
S/S	South Side
W/S	West Side

TETRA TECH
www.tetratech.com
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

LISTER PARK PROJECT

LEGEND AND GENERAL NOTES

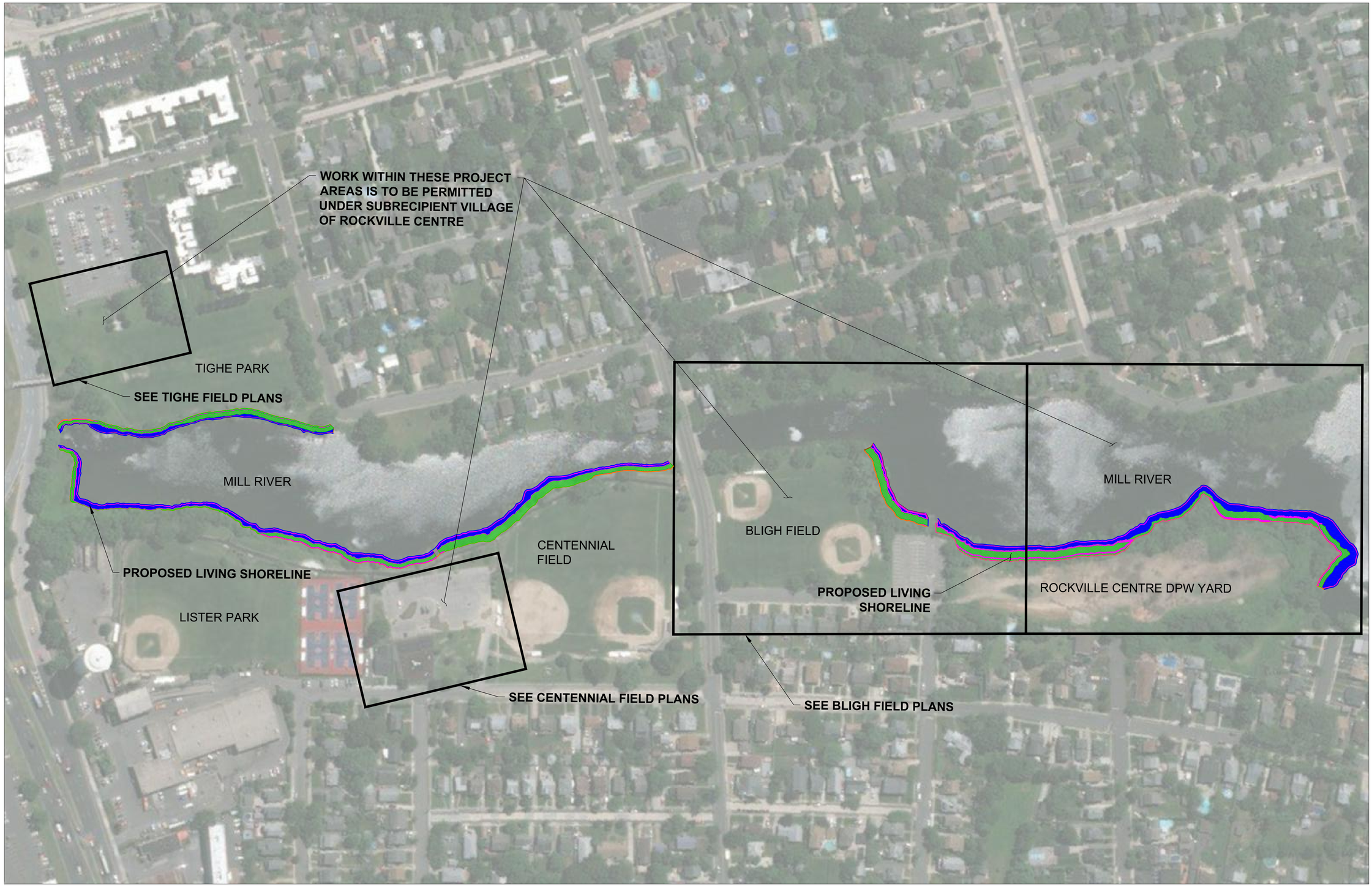
Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

G-001

Copyright: Tetra Tech

Bar Measures 1 inch

6/26/2020 11:36:03 AM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTREG-001 NOTES AND LEGEND.DWG - SUDMAN, ERIC



0 50 100 200
SCALE: 1"=100'

TETRA TECH
www.tetratech.com
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

LISTER PARK PROJECT

OVERALL PROJECT AREA

Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

G-002

Copyright: Tetra Tech

Bar Measures 1 inch

6/26/2020 11:36:40 AM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTRE\G-002 - OVERALL SITE PLAN.DWG - SUDMAN, ERIC

EXISTING CONDITIONS AND DEMOLITION NOTES

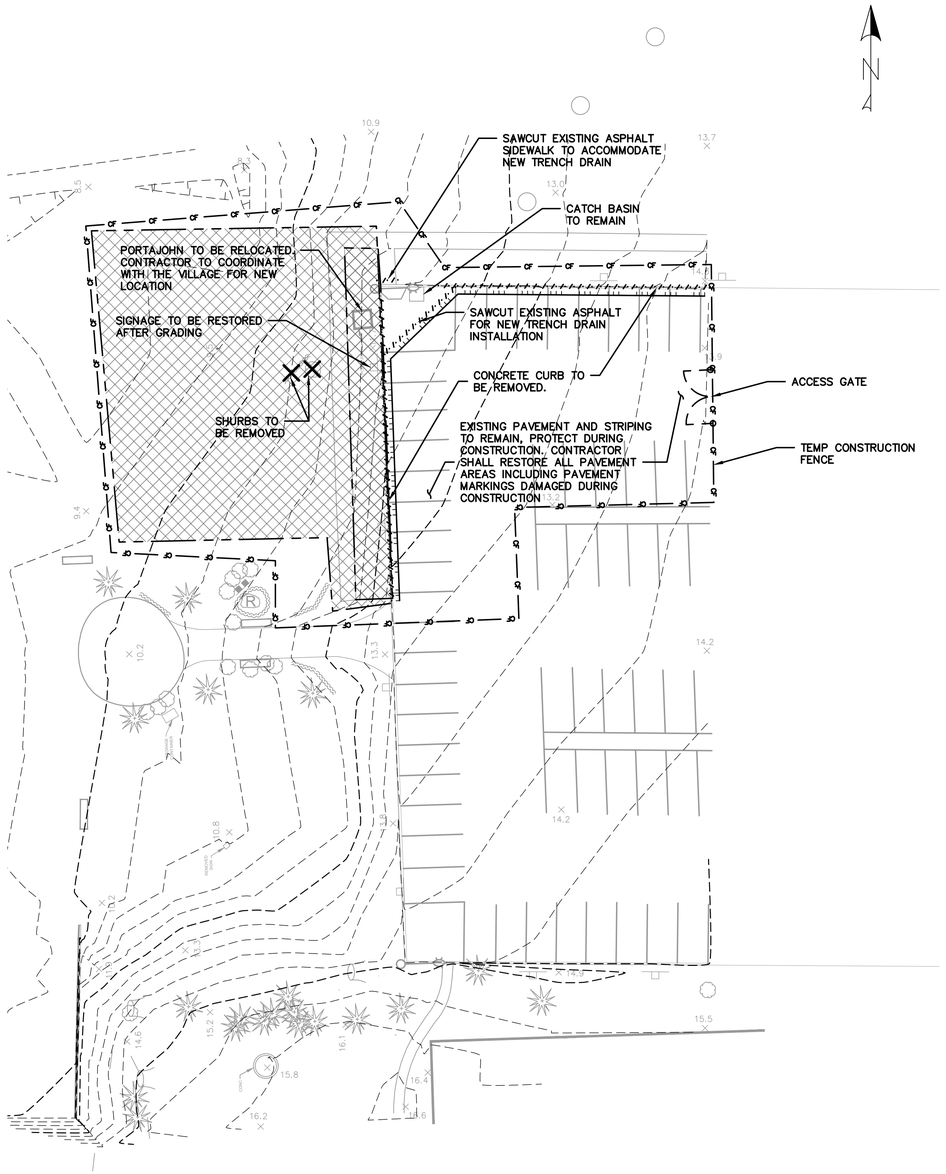
1. ALL MATERIAL"TO REMAIN" SHALL BE PROTECTED DURING CONSTRUCTION.
2. ALL MATERIALS "TO BE REMOVED" SHALL BE TAKEN FROM THE SITE AND DISPOSED PROPERLY AT NO ADDITIONAL COST TO THE OWNER.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SOILS AND COMPACTION TESTING DURING THE COURSE OF CONSTRUCTION UNTIL FINAL ACCEPTANCE.
4. THE CONTRACTOR SHALL CONTACT ALL UTILITY ENTITIES AND OWNER TO VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION ACTIVITY.
5. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL DURING CONSTRUCTION PER THE VILLAGE OF ROCKVILLE CENTRE.
6. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM THE VILLAGE OF ROCKVILLE CENTRE AND STATE PRIOR TO CONSTRUCTION.
7. EXISTING LANDSCAPE AND/ OR IRRIGATION SYSTEM DISTURBED BY CONSTRUCTION SHALL BE REPLACED IN KIND BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE THIS WORK WITH THE OWNER.
8. THE CONTRACTOR SHALL INSTALL AND MAINTAIN FENCING, BARRICADES OR BARRIERS AT ALL TIMES DURING OPERATIONS, COMPLETELY SURROUNDING THE WORK SITE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND THE CONSTRUCTION MANAGER TO ENSURE THE PROTECTION OF PEDESTRIANS, VEHICULAR TRAFFIC, THE PUBLIC, AND THE WORK AREA.
9. CONTRACTOR SHALL RESTORE ALL PAVEMENT AREAS DAMAGED DURING CONSTRUCTION ACTIVITIES.

REFERENCE:

1. THIS PLAN IS BASED ON A TOPOGRAPHIC MAP PREPARED BY GAYRON DE BRUIN LAND SURVEYING AND ENGINEERING, PC "EAST ROCKAWAY HIGH SCHOOL/LISTER PARK PROJECT DATED 11/27/2018
2. THE COORDINATE DATUM IS BASED ON NEW YORK STATE PLANE COORDINATE SYSTEM – LONG ISLAND ZONE, NORTH AMERICAN DATUM NAD 1983 (2011), VERTICAL DATUM IS NAVD88 (NYSNET); SEE TOPOGRAPHIC SURVEY FOR MORE DETAILS.

LEGEND

- LIMIT OF DISTURBANCE/TEMP. CONST. FENCE
- CONCRETE CURB TO BE REMOVED
- TREE/SHRUB TO BE REMOVED
- REMOVAL/EXCAVATION AREA
- EXCAVATION AREA FOR STORMWATER MANAGEMENT PRACTICE
- LOWEST ELEVATION CONTOUR
- SAWCUT EXISTING PAVEMENT/PAVEMENT LIMIT



DEMOLITION PLAN

0 10 20 40
SCALE: 1"=20'

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 1003
NEW YORK, NY 10004
PHONE: (646)576-4034

DRAFT 100% NOT FOR CONSTRUCTION

ANDES
Andes Consulting Engineering & Surveying, pllc
234 Hancox Avenue, Nutley, NJ 07110
(626)727-0656
www.andesces.com

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

EAST ROCKAWAY HIGH SCHOOL/
LISTER PARK PROJECT

TIGHE FIELD
DEMOLITION PLAN

Project No.:	200-89763-18003
Designed By:	JL
Drawn By:	JW
Checked By:	JW,JL

C-101
1

Copyright: Tetra Tech

Bar Measures 1 inch

1/19/2020 12:06:41 PM - D:\ANDESCES\A014-TETRATECH_LISTER & TIGHE:\DWG\CIVIL\C-101-102_DEMO.DWG - ACES

EXISTING CONDITIONS AND DEMOLITION NOTES

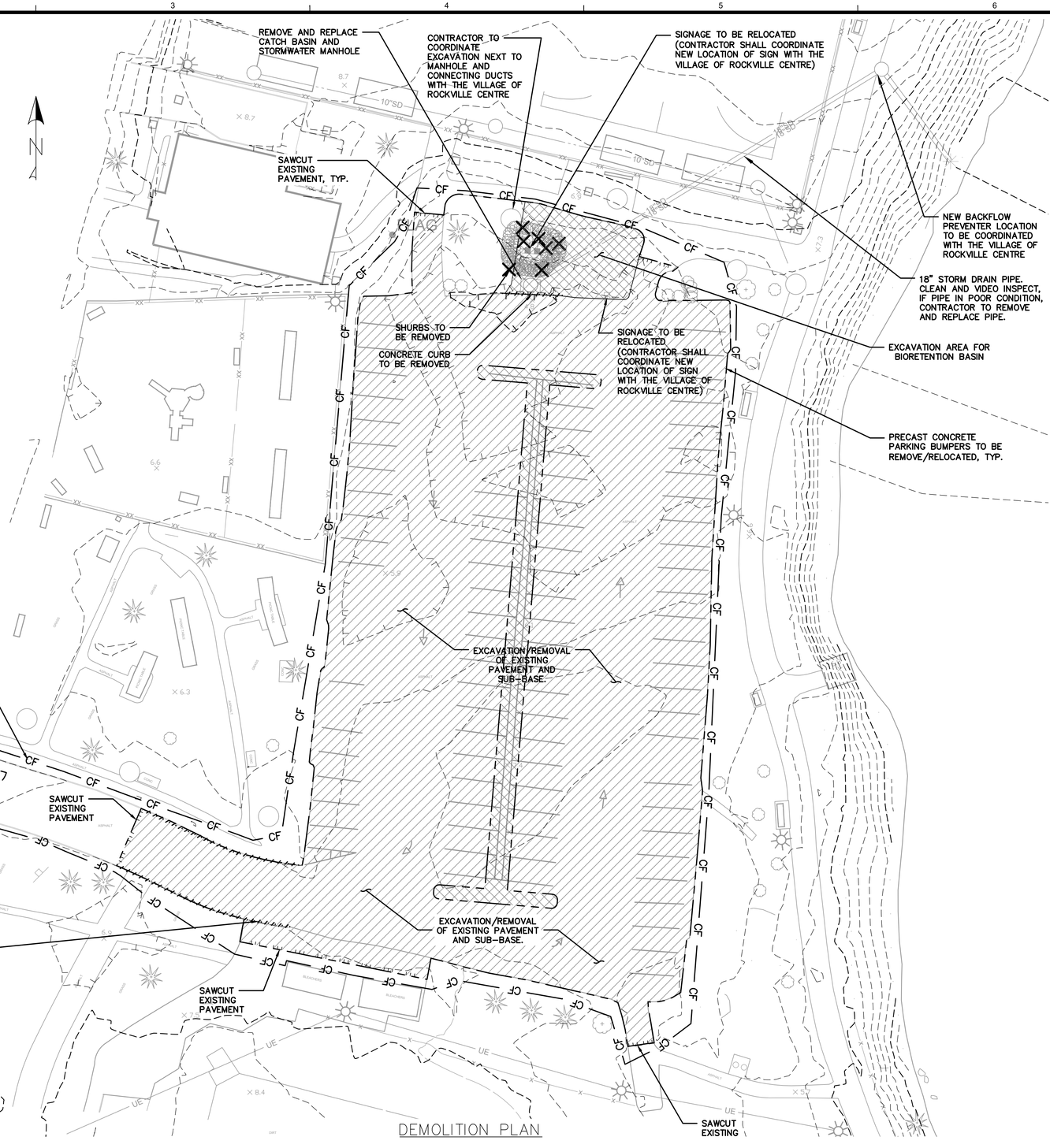
1. ALL MATERIAL"TO REMAIN" SHALL BE PROTECTED DURING CONSTRUCTION.
2. ALL MATERIALS "TO BE REMOVED" SHALL BE TAKEN FROM THE SITE AND DISPOSED PROPERLY AT NO ADDITIONAL COST TO THE OWNER.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SOILS AND COMPACTION TESTING DURING THE COURSE OF CONSTRUCTION UNTIL FINAL ACCEPTANCE.
4. THE CONTRACTOR SHALL CONTACT ALL UTILITY ENTITIES AND OWNER TO VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION ACTIVITY.
5. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL DURING CONSTRUCTION PER THE VILLAGE OF ROCKVILLE CENTRE.
6. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM THE VILLAGE OF ROCKVILLE CENTRE AND STATE PRIOR TO CONSTRUCTION.
7. EXISTING LANDSCAPE AND/ OR IRRIGATION SYSTEM DISTURBED BY CONSTRUCTION SHALL BE REPLACED IN KIND BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE THIS WORK WITH THE OWNER.
8. THE CONTRACTOR SHALL INSTALL AND MAINTAIN FENCING, BARRICADES OR BARRIERS AT ALL TIMES DURING OPERATIONS, COMPLETELY SURROUNDING THE WORK SITE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND THE CONSTRUCTION MANAGER TO ENSURE THE PROTECTION OF PEDESTRIANS, VEHICULAR TRAFFIC, THE PUBLIC, AND THE WORK AREA.
9. CONTRACTOR SHALL RESTORE ALL PAVEMENT AREAS DAMAGED DURING CONSTRUCTION ACTIVITIES.

REFERENCE:

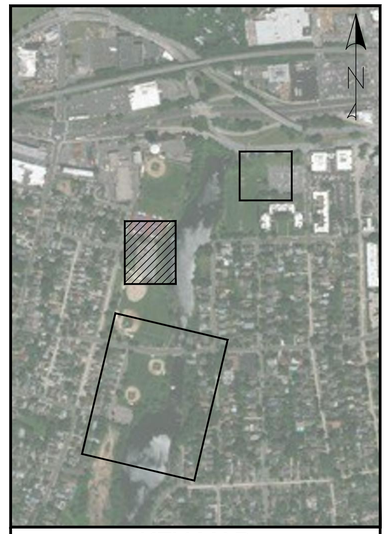
1. THIS PLAN IS BASED ON A TOPOGRAPHIC MAP PREPARED BY GAYRON DE BRUIN LAND SURVEYING AND ENGINEERING, PC "EAST ROCKAWAY HIGH SCHOOL/LISTER PARK PROJECT DATED 11/27/2018
2. THE COORDINATE DATUM IS BASED ON NEW YORK STATE PLANE COORDINATE SYSTEM – LONG ISLAND ZONE, NORTH AMERICAN DATUM NAD 1983 (2011), VERTICAL DATUM IS NAVD88 (NYSNET); SEE TOPOGRAPHIC SURVEY FOR MORE DETAILS.

LEGEND

- CF — LIMIT OF DISTURBANCE/TEMP. CONST. FENCE
- CONCRETE CURB TO BE REMOVED
- TREE/SHRUB TO BE REMOVED
- REMOVAL/EXCAVATION AREA
- EXCAVATION/REMOVAL OF EXISTING PAVEMENT AND SUB-BASE TO A MINIMUM DEPTH OF 15" FOR NEW PAVEMENT SECTION.
- EXCAVATION AREA FOR STORMWATER MANAGEMENT PRACTICE
- LOWEST ELEVATION CONTOUR
- SAWCUT EXISTING PAVEMENT/PAVEMENT LIMIT



DEMOLITION PLAN



KEY MAP SCALE" 1" = 500'

0 10 20 40
SCALE: 1"=20'

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 1003
NEW YORK, NY 10004
PHONE: (646)576-4034

DRAFT 100% NOT FOR CONSTRUCTION

ANDES
Andes Consulting Engineering & Surveying, pllc
234 Hancox Avenue, Nutley, NJ 07110
(626)727-0656
www.andesces.com

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

EAST ROCKAWAY HIGH SCHOOL/
LISTER PARK PROJECT

CENTENNIAL FIELD
DEMOLITION PLAN

Project No.:	200-89763-18003
Designed By:	JL
Drawn By:	JW
Checked By:	JW,JL

C-102
1

Copyright: Tetra Tech

Bar Measures 1 inch

1/19/2020 12:06:47 PM - D:\ANDESCES\A014-TETRATECH_LISTER & TIGHE-DWG\CIVIL\C-101-102_DEMO.DWG - ACES

NOTES:

1. EXISTING TREE SPECIES WITHIN AND CONTIGUOUS TO THE PROPOSED LIVING SHORELINE AREA WAS SURVEYED AND DOCUMENTED DURING A SITE VISIT PERFORMED BY TETRA TECH ON FEBRUARY 14TH, 15TH, 18TH AND 19TH, 2019.

EXISTING TREE SCHEDULE FOR LIVING SHORELINE

Ref. No.	Easting	Northing	Scientific Name	Common Name	DBH[1] (inches)	Crown Radius (feet)	Description
Remove Tree (North East)							
201	1080519.59	178579.66	*Styphnolobium japonicum*	Japanese pagoda tree	5.1	10 ft from river	Lean away from river
202	1080518.55	178584.29	*Styphnolobium japonicum*	Japanese pagoda tree	16.2	20	
204	1080516.33	178552.75	*Styphnolobium japonicum*	Japanese pagoda tree	8.1	12	
205	1080512.74	178541.84	*Ailanthus altissima*	Tree-of-heaven	5.8	10 ft from river	Lean from river
206	1080505.56	178534.04	*Styphnolobium japonicum*	Japanese pagoda tree	11.6	18	
207	1080466.06	178461.55	*Styphnolobium japonicum*	Japanese pagoda tree	6.9	10	
212	1080452.20	178408.57	*Acer platanoides*	Norway maple	14 estimated	30+ ft strong lean over river	Lean over river
213	1080452.64	178398.84	*Acer platanoides*	Norway maple	28.3	30+ ft lean over river	Lean over river; undercut
214	1080467.15	178362.06	*Acer sp.*	Presumed Norway maple	5.1	8 ft toward river	Lean toward river
215	1080465.11	178355.61	*Ailanthus altissima*	Tree-of-heaven	5.2	8 ft toward river	Lean towards river
216	1080465.51	178349.52	*Ailanthus altissima*	Tree-of-heaven	13.6	10 to 12	
217	1080462.50	178346.27	*Ailanthus altissima*	Tree-of-heaven	6.7	10	
218	1080462.83	178347.13	*Ailanthus altissima*	Tree-of-heaven	7.6	10	
227	1080430.49	178160.40	*Ailanthus altissima*	Tree-of-heaven	5.7	8	
228	1080417.13	178134.07	*Albizia julibrissin*	Silk tree	5	12 ft to north	Lean to north
229	1080411.90	178134.90	*Paulownia tomentosa*	Princess tree	5	8	
231	1080388.71	178084.32	*Albizia julibrissin*	Silk tree	8.3	20	
Remove Tree (North West)							
3	1080162.21	178190.66	*Acer negundo*	Boxelder	5.2	6	Tree blown down to south
4	1080167.15	178194.05	*Morus rubra*	Red mulberry	17.3	N/A	Multi trunk x4; blowdown
5	1080193.74	178268.63	*Ailanthus altissima*	Tree-of-heaven	9.3; 5.7; 8.8; 7.2; 6.5	18	Multi trunks x5
161	1080068.37	178047.29	*Morus rubra*	Red mulberry	29	25	Over culvert; split multi trunk x 3
163	1080198.70	178274.79	*Morus rubra*	Red mulberry	6.3; 5.1; 5.3; 5.2	10	Dead or dying; multi trunk x4
164	1080221.25	178304.16	*Ailanthus altissima*	Tree-of-heaven	7.8	10	20 plus saplings surround
172	1080250.17	178419.52	*Morus rubra*	Red mulberry	13.9	N/A	Blowdown to north northeast
183	1080268.89	178553.33	*Ailanthus altissima*	Tree-of-heaven	11.6	9	
188	1080279.81	178552.56	*Ailanthus altissima*	Tree-of-heaven	9.5	24 ft to river	Lean toward river
189	1080275.99	178569.92	*Ailanthus altissima*	Tree-of-heaven	10.2	20	
190	1080274.50	178563.09	*Ailanthus altissima*	Tree-of-heaven	10.2 estimated	12 tp 16 ft radius	
191	1080273.75	178560.32	*Ailanthus altissima*	Tree-of-heaven	5.0 estimated	12 ft to northeast	Lean to northeast
192	1080301.81	178647.30	*Ailanthus altissima*	Tree-of-heaven	5.5; 8; 6.1; 4.7; 3.8	15	Cluster of five
Stabilize Tree (North East)							
198	1080521.64	178617.90	*Acer negundo*	Boxelder	7.7	20 ft towards river	Lean/blowdown towards river
199	1080527.41	178610.15	*Morus rubra*	Red mulberry	9.4	20 ft from river	Lean from river
209	1080457.32	178421.81	*Prunus serotina*	Black cherry	10.2	30 ft toward river	Lean toward river
210	1080449.61	178423.19	*Morus rubra*	Red mulberry	5.3	24 ft toward river	Lean toward river
224	1080457.20	178231.15	*Acer negundo*	Boxelder	11.2	18; 50% lean toward river	Lean toward river
Stabilize Tree (North West)							
157	1080079.35	177675.04	*Morus rubra*	Red mulberry	22.1	18	Undercut
165	1080233.57	178326.45	*Prunus serotina*	Black cherry	11.7	20	Lean to south
171	1080254.51	178418.40	*Morus rubra*	Red mulberry	26	't from tree to river; 10 ft to w	Lean toward river
175	1080260.70	178439.03	*Morus rubra*	Red mulberry	11.1	18 ft toward river	Lean toward river
176	1080265.69	178459.17	*Morus rubra*	Red mulberry	15.2; 19.3	30+ ft toward river	Double trunk; lean toward river
177	1080260.80	178474.98	*Morus rubra*	Red mulberry	9.9	24 ft towards river	Lean toward river
181	1080265.09	178519.84	*Acer rubrum*	Red maple	10.6	30 ft to north	Lean to north
182	1080265.56	178527.93	*Morus rubra*	Red mulberry	10.8	15	Slight lean toward river
186	1080282.88	178579.89	*Morus rubra*	Red mulberry	11.7; 11.2	30 ft towards river	Double trunk; lean toward river
187	1080281.99	178583.03	*Morus rubra*	Red mulberry	11.1	24 ft to northeast	Lean to northeast
Keep Tree (North East)							
197	1080522.72	178636.98	*Morus rubra*	Red mulberry	5.4	8	
200	1080520.38	178599.38	*Morus rubra*	Red mulberry	14.1; 13.8; 9.8; 12.3	24	Cluster of 4
203	1080514.32	178561.06	*Prunus serotina*	Black cherry	7.1	18	
208	1080463.99	178435.94	*Morus rubra*	Red mulberry	14.9	18	
211	1080459.18	178414.23	*Morus rubra*	Red mulberry	12 estimated	20	
219	1080466.81	178303.40	*Juglans nigra*	Black walnut	9.1	10 to 12	
220	1080465.36	178301.47	*Juglans nigra*	Black walnut	7.0	8	
221	1080460.89	178283.74	*Juglans nigra*	Black walnut	9.7	12	
222	1080457.98	178281.88	*Morus rubra*	Red mulberry	7.9; 9.4	12	Double trunk
223	1080466.86	178241.31	*Juglans nigra*	Black walnut	8.9	24	
225	1080464.63	178231.73	*Morus rubra*	Red mulberry	7.7	20	
226	1080450.98	178189.57	*Morus rubra*	Red mulberry	6.2	12	
230	1080411.86	178125.74	*Morus rubra*	Red mulberry	12.8	16	
232	1080393.32	178033.45	*Platanus occidentalis*	American sycamore	30.1	30	
233	1080463.28	178332.78	*Acer negundo*	Boxelder	10.7	12	
Keep Tree (North west)							
1	1080048.39	*177766.8911*	*Morus rubra*	Red mulberry	5.4	8	
2	1080035.42	*177853.3973*	*Morus rubra*	Red mulberry	6.7	8	
6	1080307.77	*178527.9605*	*Acer rubrum*	Red maple	5.5; 3.8	6	Double trunk
150	1080126.32	*177475.9873*	*Platanus occidentalis*	American sycamore	25.5	30	
151	1080118.33	*177397.4902*	*Platanus occidentalis*	American sycamore	5.5 to 10	18	Multi trunk x 7
152	1080120.30	*177384.8996*	*Morus rubra*	Red mulberry	10.1	10	
153	1080117.64	*177544.8079*	*Quercus palustris*	Pin oak	7.5	6 to 8	
154	1080108.42	*177591.1487*	*Platanus occidentalis*	American sycamore	12.3	9	
155	1080098.84	*177619.275*	*Quercus palustris*	Pin oak	6.6	8	
156	1080090.49	*177644.4594*	*Quercus palustris*	Pin oak	5.8	8	
158	1080050.53	*177787.9369*	*Morus rubra*	Red mulberry	16	15	
159	1080020.97	*177905.3143*	*Prunus sp.*	Cherry species	6.2	3	Pruned
160	1080048.92	*177990.8243*	*Ulmus sp.*	Elm species	13.1	12	
162	1080089.57	*178084.6715*	*Prunus serotina*	Black cherry	7.2	6	
166	1080247.94	*178337.2384*	*Morus rubra*	Red mulberry	19.2; 20.7	24	Double trunk
167	1080249.31	*178350.6739*	*Morus rubra*	Red mulberry	13.1	20	
168	1080243.36	*178377.921*	*Morus rubra*	Red mulberry	12.1	15	
169	1080250.47	*178393.0262*	*Morus rubra*	Red mulberry	5.5; 3.9	8 to 10	Double trunk
170	1080248.17	*178401.7369*	*Morus rubra*	Red mulberry	17.1	20+ ft to south	
173	1080257.16	*178434.4681*	*Morus rubra*	Red mulberry	13.7	24 ft biased toward river	
174	1080256.20	*178436.7213*	*Morus rubra*	Red mulberry	9 estimated	12	
178	1080262.98	*178493.8899*	*Morus rubra*	Red mulberry	12.1; 20 estimated	3+	
179	1080264.55	*178502.4215*	*Morus rubra*	Red mulberry	28.6	30	Ivy covered
180	1080267.70	*178514.2067*	*Morus rubra*	Red mulberry	19.2 estimated; 20.1	30	Double trunk
185	1080280.54	*178570.5703*	*Morus rubra*	Red mulberry	9.5	18	
193	1080354.46	*178644.8478*	*Acer negundo*	Boxelder	10.1; 7.7	18	Double trunk
194	1080375.75	*178639.0477*	*Acer negundo*	Boxelder	7.5	10	
196	1080431.49	*178617.3735*	*Acer negundo*	Boxelder	7.1	12	

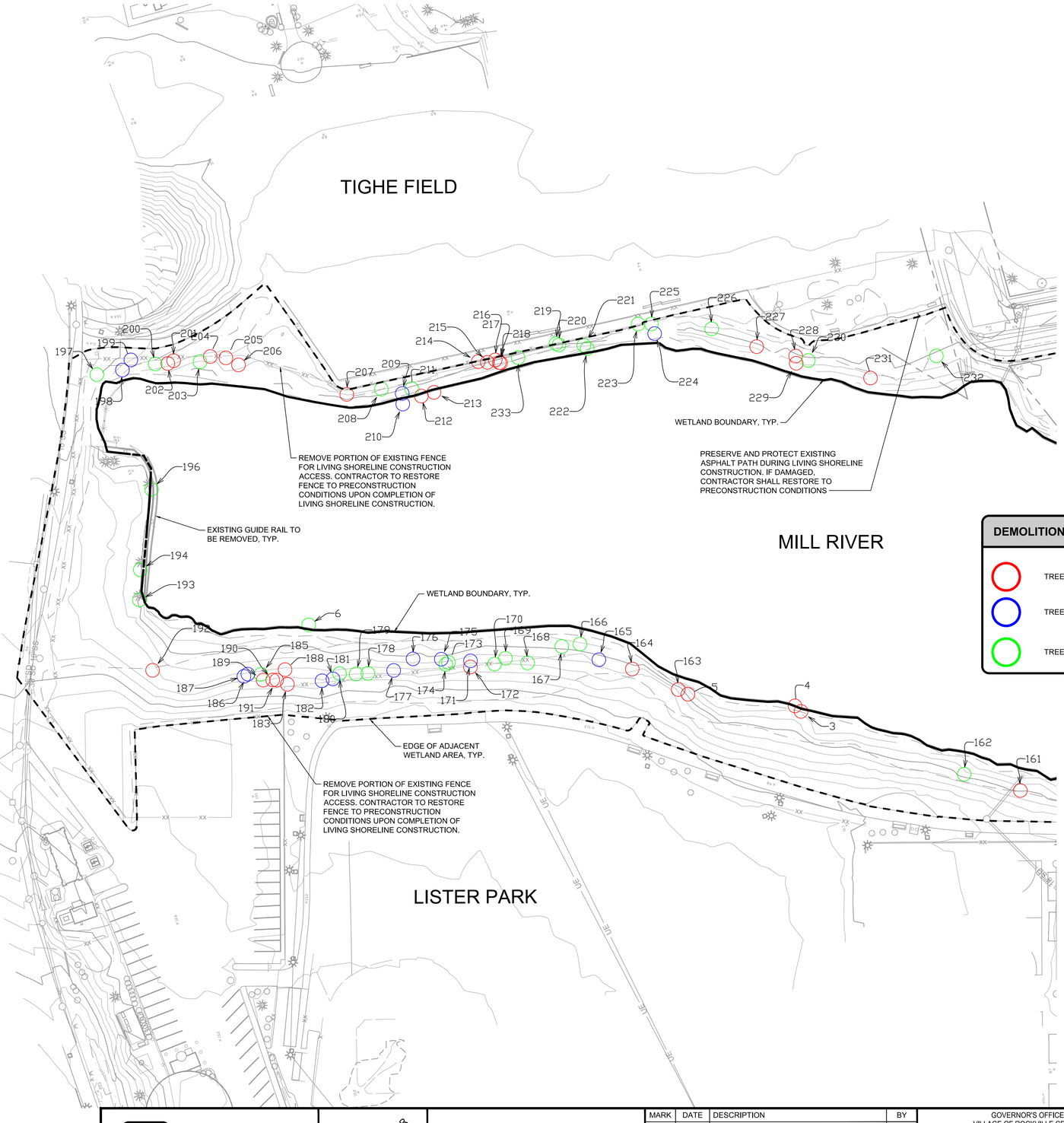
DBH[1] - Diameter at Breast Height

C-103 TREE SCHEDULE SUMMARY

TOTAL NUMBER OF TREES TO BE REMOVED = 30

TOTAL NUMBER OF TRESS TO BE STABILIZED = 15

TOTAL NUMBER OF TREES TO BE KEPT = 43



KEY MAP SCALE" 1" = 750'

DEMOLITION LEGEND

- TREE TO BE REMOVED IN LIVING SHORELINE FOOTPRINT
- TREE TO BE STABILIZED IN LIVING SHORELINE FOOTPRINT
- TREE TO BE PROTECTED IN LIVING SHORELINE FOOTPRINT

TETRA TECH
www.tetratech.com
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

LISTER PARK PROJECT

LIVING SHORELINE - DEMOLITION PLAN

Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

C-103

Copyright: Tetra Tech

Bar Measures 1 inch

6/26/2020 11:38:54 AM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTRE\C-101 DETAILED DEMOLITION PLAN.DWG - SUDMAN, ERIC

NOTES:

1. EXISTING TREE SPECIES WITHIN AND CONTIGUOUS TO THE PROPOSED LIVING SHORELINE AREA WAS SURVEYED AND DOCUMENTED DURING A SITE VISIT PERFORMED BY TETRA TECH ON FEBRUARY 14TH, 15TH, 18TH AND 19TH, 2019.

EXISTING TREE SCHEDULE FOR LIVING SHORELINE

Ref. No.	Easting	Northing	Scientific Name	Common Name	DBH[1] (inches)	Crown Radius (feet)	Description
Remove Tree							
7	1080049.82	176873.23	*Ailanthus altissima*	Tree-of-heaven	11.5	15	
8	1080047.63	176870.39	*Ailanthus altissima*	Tree-of-heaven	7	12	
9	1080044.30	176865.83	*Ailanthus altissima*	Tree-of-heaven	6	12	
Stabilize Tree (North West)							
157	1080079.35	177675.04	*Morus rubra*	Red mulberry	22.1	18	Undercut
Keep Tree (North west)							
1	1080048.39	*177766.8911*	*Morus rubra*	Red mulberry	5.4	8	
2	1080035.42	*177853.3973*	*Morus rubra*	Red mulberry	6.7	8	
150	1080126.32	*177475.9873*	*Platanus occidentalis*	American sycamore	25.5	30	
151	1080118.33	*177397.4902*	*Platanus occidentalis*	American sycamore	5.5 to 10	18	Multi trunk x 7
153	1080117.64	*177544.8079*	*Quercus palustris*	Pin oak	7.5	6 to 8	
154	1080108.42	*177591.1487*	*Platanus occidentalis*	American sycamore	12.3	9	
155	1080098.84	*177619.275*	*Quercus palustris*	Pin oak	6.6	8	
156	1080090.49	*177644.4594*	*Quercus palustris*	Pin oak	5.8	8	
158	1080050.53	*177787.9369*	*Morus rubra*	Red mulberry	16	15	
159	1080020.97	*177905.3143*	*Prunus sp.*	Cherry species	6.2	3	Pruned
160	1080048.92	*177990.8243*	*Ulmus sp.*	Elm species	13.1	12	

DBH[1] - Diameter at Breast Height

KEY MAP SCALE" 1" = 750'

MILL RIVER

WETLAND BOUNDARY, TYP.

PRESERVE AND PROTECT EXISTING GREENWAY DURING LIVING SHORELINE CONSTRUCTION. IF DAMAGED, CONTRACTOR SHALL RESTORE TO PRECONSTRUCTION CONDITIONS

EDGE OF ADJACENT WETLAND AREA, TYP.

EXISTING OVERLOOK DECKING TO BE REPLACED IN-KIND. FOUNDATIONS TO REMAIN, TYP.

CENTENNIAL FIELD

REFER DRAWING C-102 FOR CENTENNIAL FIELD DEMOLITION PLAN

RECONSTRUCT FENCE DAMAGED AS A RESULT OF CONDUIT CONSTRUCTION

REMOVE EXISTING CURBING AND SIDEWALK FOR ADA CURB RAMP CONSTRUCTION

EXISTING TREES/VEGETATION TO BE REMOVED FOR GREENWAY CONSTRUCTION, TYP.

EXISTING FIELDS TO BE PRESERVED AND MAINTAINED

BLIGH FIELD

SOUTH PARK AVENUE

PRESERVE AND MAINTAIN EXISTING GAS LINE AT CROSSING WITH SELF-CLOSING FLOOD BARRIER (PER CORRESPONDENCE WITH NATIONAL GRID, EXISTING 12" LINE HAS APPROXIMATELY 42" OF COVER ATOP THE PIPE)

PRESERVE AND MAINTAIN EXISTING GAS MAIN AND ASSOCIATED APPURTENANCES

EXISTING "STOP" SIGN TO BE RELOCATED OUTSIDE PROPOSED SIDEWALK (SEE DRAWING C-207)

PRESERVE AND MAINTAIN EXISTING GAS MAIN AND ASSOCIATED APPURTENANCES

PRESERVE AND MAINTAIN EXISTING HYDRANT

PRESERVE AND MAINTAIN EXISTING FENCING ADJACENT TO WALL CONSTRUCTION

REMOVE EXISTING SIGNS DURING WALL CONSTRUCTION AND RESTORE UPON CONSTRUCTION COMPLETION

PRESERVE AND MAINTAIN EXISTING ELECTRICAL LINE DURING BERM CONSTRUCTION

EXISTING GAS SERVICE LINE TO BE PRESERVE AND MAINTAINED

EXISTING "NO DOGS GOLF ALLOWED ON THIS FIELD" SIGN TO BE RELOCATED OUTSIDE PROPOSED SIDEWALK (SEE DRAWING C-207)

EXISTING TREE TO BE REMOVED, TYP.

RELOCATE EXISTING BENCH AS SHOWN ON DRAWING C-207

REMOVE EXISTING BASEBALL FIELD FENCING (COORDINATE WORK WITH VILLAGE OF ROCKVILLE CENTER) AND RECONSTRUCT AS SHOWN ON DRAWING C-207

EXISTING SLIDE GATE AND SPLIT-RAIL TO BE REMOVED

EXISTING SPLIT-RAIL TO BE REMOVED

EXISTING TREES TO BE REMOVED, TYP.

EXISTING GAS VENT TO BE PRESERVE AND MAINTAINED

RIVERSIDE ROAD

PRESERVE AND MAINTAIN EXISTING SANITARY SEWER LINE INV. AT SELF-CLOSING FLOOD BARRIER: 2.67± EXISTING GRADE: EL: 6.50 ± APPROXIMATELY 3.16 FEET OF COVER ATOP PIPE

PRESERVE AND MAINTAIN EXISTING WATER LINE AT CROSSING WITH SELF-CLOSING FLOOD BARRIER (EXISTING 6" LINE HAS APPROXIMATELY 48" OF COVER ATOP THE PIPE)

PRESERVE AND MAINTAIN EXISTING SANITARY PIPE DURING WALL CONSTRUCTION TOP OF SANITARY PIPE: -1.86± AT CROSSING BOTTOM OF WALL FOOTING: 3.35 AT CROSSING

PRESERVE AND MAINTAIN EXISTING UTILITY POLE

EXISTING SIDEWALK TO BE REMOVED

EXISTING HYDRANT AND UTILITY STRUCTURES TO BE PRESERVED AND MAINTAINED

EXISTING BLEACHERS TO BE REMOVED, COORDINATE WITH VILLAGE OF ROCKVILLE CENTRE TO DETERMINE IF VILLAGE WOULD LIKE TO RELOCATE BLEACHERS TO OTHER VILLAGE PARK

DEMOLITION LEGEND

- TREE TO BE REMOVED IN LIVING SHORELINE FOOTPRINT
- TREE TO BE STABILIZED IN LIVING SHORELINE FOOTPRINT
- TREE TO BE PROTECTED IN LIVING SHORELINE FOOTPRINT
- EXISTING VEGETATION TO BE REMOVED
- EXISTING TREE TO BE REMOVED

C-104 TREE SCHEDULE SUMMARY

TOTAL NUMBER OF TREES TO BE REMOVED = 4

TOTAL NUMBER OF TRESS TO BE STABILIZED = 1

TOTAL NUMBER OF TREES TO BE KEPT = 11

0 20 40 80

SCALE: 1"=40'

TETRA TECH

www.tetratech.com

498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

LISTER PARK PROJECT

LIVING SHORELINE AND BLIGH FIELD - DEMOLITION PLAN

Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

C-104

Copyright: Tetra Tech

Bar Measures 1 inch

6/26/2020 11:40:10 AM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTRE\C-101 DETAILED DEMOLITION PLAN.DWG - SUDMAN, ERIC

EXISTING TREE SCHEDULE FOR LIVING SHORELINE

Ref. No.	Easting	Northing	Scientific Name	Common Name	DBH[1] (inches)	Crown Radius (feet)	Description
Remove Tree							
10	1080040.84	176857.16	*Ailanthus altissima*	Tree-of-heaven	6.5	10	
12	1079976.55	176838.88	*Ailanthus altissima*	Tree-of-heaven	21.2	24	
16	1079927.29	176845.80	*Ailanthus altissima*	Tree-of-heaven	16.1	18	
24	1079865.31	176783.69	*Acer negundo*	Boxelder	16	12 ft away from river	Blowdown away from river
36	1079749.41	176632.00	*Acer sp.*	Presumed Norway maple	8.1	16	
37	1079744.29	176631.42	*Robinia pseudoacacia*	Black locust	6.4	6 ft away from river	Lean away from river
38	1079742.35	176609.59	*Acer sp.*	Presumed Norway maple	16.1	15 ft towards river	Lean toward river; split trunk x2
43	1079738.36	176597.73	*Acer platanoides*	Norway maple	6.5	9 ft towards river	Slight lean to river
44	1079725.69	176592.13	*Acer platanoides*	Norway maple	8.6; 9.1; 11.2	15	Multi trunk x3
49	1079717.57	176542.80	*Robinia pseudoacacia*	Black locust	9.7	8	Potential dead; lean away from river
50	1079718.09	176539.14	*Robinia pseudoacacia*	Black locust	7.1	8 ft towards river	Lean towards river
51	1079718.36	176526.19	*Robinia pseudoacacia*	Black locust	12	9 ft toward river	Slight lean to river
52	1079715.68	176524.82	*Robinia pseudoacacia*	Black locust	6.3	4 ft radius	Potential dead
53	1079729.07	176516.97	*Robinia pseudoacacia*	Black locust	18.1; 11.1	24 ft over river	Lean toward river; double trunk
55	1079708.06	176493.50	*Acer negundo*	Boxelder	13.9	8 ft toward river	Cut above breast height
56	1079709.45	176496.16	*Robinia pseudoacacia*	Black locust	16.6	18 ft radius mostly to river	Slight lean to river
57	1079708.73	176496.96	*Robinia pseudoacacia*	Black locust	13.7	12 ft away from river	Lean from river
66	1079706.08	176430.70	*Robinia pseudoacacia*	Black locust	8.2	6 ft radius	Split trunk x2
76	1079703.33	176375.95	*Albizia julibrissin*	Silk tree	15.6	20 ft over river	Lean toward river
77	1079692.34	176352.41	*Robinia pseudoacacia*	Black locust	16.5	15 ft radius	
86	1079728.80	176262.12	*Morus rubra*	Red mulberry	16.1	N/A	Tangled mess; blow down
87	1079729.33	176254.70	*Morus rubra*	Red mulberry	12.4	N/A	Blowdown
88	1079702.36	176259.32	*Paulownia tomentosa*	Princess tree	5.4; 4.4	8	Double trunk
89	1079708.90	176233.25	*Acer negundo*	Boxelder	15.7	8	Main trunk dead
90	1079721.11	176227.79	*Acer negundo*	Boxelder	10.1	35 ft to river	Blow down toward river
93	1079712.90	176210.36	*Morus rubra*	Red mulberry	6.8	N/A	Blow down toward river
94	1079724.51	176201.50	*Morus rubra*	Red mulberry	14.8	N/A	Blow down toward river
95	1079732.30	176199.11	*Acer negundo*	Boxelder	10.7	N/A	Blowdown toward river
96	1079711.78	176191.11	*Morus rubra*	Red mulberry	14.2	N/A	Blowdown toward river
97	1079707.82	176182.80	*Morus rubra*	Red mulberry	20 estimated	N/A	Blowdown to south
98	1079718.68	176152.62	*Morus rubra*	Red mulberry	16.9	N/A	Blowdown toward river
99	1079719.80	176157.79	*Morus rubra*	Red mulberry	15.3	N/A	Blowdown toward river
101	1079721.43	176133.43	*Morus rubra*	Red mulberry	14	N/A	Blow down to south
105	1079708.52	176097.74	*Morus rubra*	Red mulberry	10.6	N/A	Blowdown to south
106	1079708.85	176097.45	*Morus rubra*	Red mulberry	9.5	N/A	Blowdown to south
107	1079726.08	176094.23	*Ailanthus altissima*	Tree-of-heaven	5.3; 3.8	15	Double trunk
111	1079733.12	176117.35	*Morus rubra*	Red mulberry	11.3	N/A	Blowdown from river
113	1079736.27	176122.16	*Morus rubra*	Red mulberry	10.5	N/A	Blowdown to river
114	1079737.30	176123.24	*Morus rubra*	Red mulberry	12 estimated	N/A	Blowdown
117	1079763.64	176133.07	*Morus rubra*	Red mulberry	6.7	8	May be dead
118	1079758.84	176134.00	*Morus rubra*	Red mulberry	6.4	6	May be dead
119	1079711.65	176076.96	*Morus rubra*	Red mulberry	11	N/A	Blowdown toward river
122	1079691.70	176045.33	*Acer negundo*	Boxelder	9.3	6	Portion of tree dead
125	1079678.71	176024.25	*Robinia pseudoacacia*	Black locust	7.4	8	
126	1079681.68	176022.42	*Robinia pseudoacacia*	Black locust	10.1	12	
129	1079671.89	175995.00	*Acer platanoides*	Norway maple	7.5	8	
130	1079668.50	175991.55	*Robinia pseudoacacia*	Black locust	10	8	
132	1079665.72	175971.31	*Acer negundo*	Boxelder	6.3	6	Looks diseased
135	1079659.74	175944.77	*Acer platanoides*	Norway maple	11.5; 5.8; 5; 5.4; 8.2; 9.4; 3.5	10	Multi trunk
144	1079591.43	175868.86	*Ailanthus altissima*	Tree-of-heaven	8.9	8	
148	1079615.28	175885.02	*Robinia pseudoacacia*	Black locust	22.6	15	

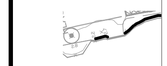
Ref. No.	Easting	Northing	Scientific Name	Common Name	DBH[1] (inches)	Crown Radius (feet)	Description
Stabilize Tree							
15	1079924.61	176841.55	*Acer negundo*	Boxelder	11.6	15	Lean away from water
19	1079885.75	176819.28	*Acer negundo*	Boxelder	12	15	Lean towards river
20	1079881.89	176810.70	*Acer negundo*	Boxelder	5.4	8	Lean toward river
28	1079784.77	176698.14	*Acer negundo*	Boxelder	6.6	12	Lean toward river
30	1079775.63	176696.15	*Acer negundo*	Boxelder	9.4	12	Lean away from river
31	1079765.04	176681.19	*Morus rubra*	Red mulberry	12.4	20	Lean toward river
32	1079764.41	176676.82	*Morus rubra*	Red mulberry	18.7	20	Lean toward river
33	1079766.99	176679.47	*Morus rubra*	Red mulberry	20	24 ft towards river	Lean toward river; split trunk x2
39	1079736.63	176610.37	*Acer sp.*	Presumed Sugar maple	7.4	10 ft toward river	Lean toward river
40	1079743.69	176603.82	*Morus rubra*	Red mulberry	23	24 ft away from river	Lean away from river
45	1079723.46	176570.35	*Morus rubra*	Red mulberry	21.2; 10.5	20 ft, mostly towards river	Slight lean to river
46	1079723.07	176568.54	*Morus rubra*	Red mulberry	10.2	15 ft towards river	Split trunk x2; lean toward river
54	1079708.05	176493.54	*Acer negundo*	Boxelder	16.1	20 ft to south	Lean to south
62	1079702.31	176463.85	*Morus rubra*	Red mulberry	8.5	12 ft away from river	Lean away from river
63	1079702.59	176461.72	*Acer rubrum*	Red maple	7.2	8 ft toward river	Lean to river
64	1079701.54	176462.29	*Acer rubrum*	Red maple	8.6	12 ft from river	Lean from river
67	1079714.10	176428.68	*Morus rubra*	Red mulberry	6.4	15 ft toward river	Lean toward river
68	1079713.66	176411.16	*Acer negundo*	Boxelder	12.4	15 ft mostly to river	Split trunk x2; slight lean to river
69	1079717.44	176407.19	*Acer negundo*	Boxelder	13.2	12	Split trunk x2; slight lean to river
70	1079715.45	176404.62	*Acer negundo*	Boxelder	8.4	12 ft over river	Split trunk x2; lean over river
71	1079712.71	176402.73	*Catalpa bignonioides*	Catalpa	8.1	24 ft over river	Lean toward river
72	1079707.81	176385.37	*Acer sp.*	Presumed Boxelder	8.8	8 ft mainly to river	Moderate lean to river
79	1079703.27	176308.92	*Morus rubra*	Red mulberry	6.7	6 ft to river	Lean to river
84	1079698.75	176273.78	*Morus rubra*	Red mulberry	6.1	10 ft moderate to river	Moderate lean to river
85	1079702.45	176283.28	*Morus rubra*	Red mulberry	5.1	8 foot to river	Lean to river
102	1079707.09	176102.88	*Morus rubra*	Red mulberry	17.6	30 feet to south	Lean to south; cluster of 4
108	1079727.68	176094.22	*Morus rubra*	Red mulberry	10.6	24 ft to river	Lean toward river
109	1079728.75	176091.06	*Morus rubra*	Red mulberry	14.5	20 ft toward river	Lean toward river
112	1079738.06	176121.74	*Morus rubra*	Red mulberry	11.9	30 ft toward river	Lean toward river
115	1079745.88	176119.92	*Morus rubra*	Red mulberry	8	24 ft most to river	Slight lean to river
131	1079672.46	175980.86	*Morus rubra*	Red mulberry	9.3	12	Slight lean to river
133	1079671.47	175956.55	*Acer negundo*	Boxelder	8.5	12 ft over river	Lean toward river
134	1079667.69	175929.82	*Morus rubra*	Red mulberry	16 estimated	20 ft over river	Lean toward river
136	1079658.83	175918.99	*Prunus sp.*	Cherry species	11.2	12 ft radius	Lean toward river
139	1079542.87	175877.76	*Morus rubra*	Red mulberry	6.4; 8.5	10 ft biased toward river	Moderate lean to river
140	1079551.74	175862.03	*Morus rubra*	Red mulberry	6.4	8	Slight lean toward river
141	1079557.49	175865.48	*Morus rubra*	Red mulberry	12.4; 6.1; 7.3; 4.1	15 ft towards river	Lean towards river
143	1079571.99	175868.85	*Morus rubra*	Red mulberry	8.6; 8.4; 11.2	15	Slight lean toward river
147	1079606.26	175876.39	*Morus rubra*	Red mulberry	14.8	30+ ft toward river	Lean toward river
149	1079631.52	175895.34	*Acer negundo*	Boxelder	7.3	12 ft radius	Slight lean to river

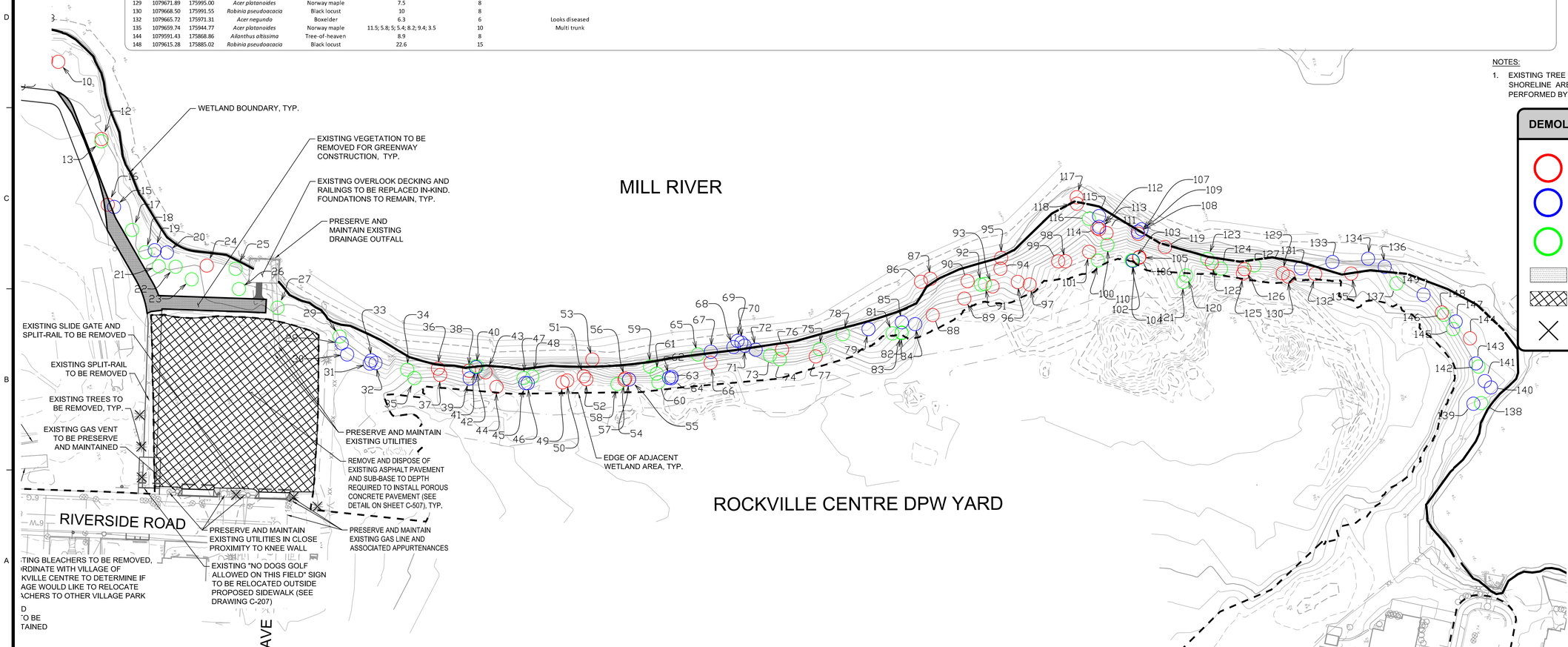
Ref. No.	Easting	Northing	Scientific Name	Common Name	DBH[1] (inches)	Crown Radius (feet)	Description
Keep Tree							
13	1079974.92	176839.48	*Acer negundo*	Boxelder	6.7	10	
17	1079904.50	176832.30	*Acer negundo*	Boxelder	21.2	30	
18	1079885.86	176826.54	*Acer negundo*	Boxelder	27.9	27	
21	1079873.18	176819.03	*Acer negundo*	Boxelder	24.9	18	Split trunk x2
22	1079869.93	176806.79	*Juglans nigra*	Black walnut	11.1	18	
23	1079857.95	176797.21	*Juglans nigra*	Black walnut	8	10	
25	1079857.98	176763.15	*Acer negundo*	Boxelder	7.7	8	
26	1079842.53	176764.20	*Juglans nigra*	Black walnut	8.1	9	
27	1079822.14	176739.07	*Juglans nigra*	Black walnut	9.9	12	
29	1079790.07	176698.63	*Acer negundo*	Boxelder	10.8	18	
34	1079753.93	176654.67	*Morus rubra*	Red mulberry	5.5; 3.5	8	Double trunk
35	1079746.46	176650.89	*Acer saccharum*	Sugar maple	8.3	12	
41	1079744.35	176604.22	*Morus rubra*	Red mulberry	5.4	8	
42	1079743.96	176602.83	*Morus rubra*	Red mulberry	7.4	6	
47	1079727.57	176570.72	*Acer saccharum*	Sugar maple	12.3	12	
48	1079727.07	176564.00	*Acer negundo*	Boxelder	7.4	8	
58	1079706.75	176502.86	*Acer negundo*	Boxelder	7	8	
59	1079713.97	176475.88	*Morus rubra*	Red mulberry	13; 12.7; 12.2	12	Multi trunk x3; 2 of three lean toward river
60	1079700.89	176472.50	*Morus rubra*	Red mulberry	9.3	12	
61	1079707.50	176472.16	*Acer negundo*	Boxelder	10.8	12	
65	1079714.39	176438.69	*Acer negundo*	Boxelder	6.4	10	
73	1079701.15	176385.79	*Morus rubra*	Red mulberry	10.9	12	
74	1079696.57	176379.27	*Morus rubra*	Red mulberry	; 14; 10.7; 9.4; 13.2	24	Multiple trunk x6
75	1079697.07	176348.28	*Morus rubra*	Red mulberry	11.7	15	
78	1079703.99	176328.60	*Ulmus americana*	American elm	30.4; 16.2	30	Double trunk
81	1079695.88	176292.00	*Morus rubra*	Red mulberry	10.4	10	
82	1079694.58	176285.30	*Morus rubra*	Red mulberry	8.4	10	
83	1079694.89	176285.14	*Morus rubra*	Red mulberry	14.2	12	
91	1079716.12	176215.62	*Morus rubra*	Red mulberry	10.2	10	
92	1079716.23	176218.61	*Morus rubra*	Red mulberry	12.1	6	
100	1079713.50	176128.45	*Acer negundo*	Boxelder	9.9	12	
103	1079707.64	176103.14	*Morus rubra*	Red mulberry	17	24+ ft from river	Cluster of 4
104	1079707.62	176103.65	*Morus rubra*	Red mulberry	21.1	24+	Cluster of 4
110	1079723.36	176118.71	*Unidentified*	Unidentified	6.7; 8.4	10	Alternate branching; Double trunk
116	1079745.71	176127.86	*Morus rubra*	Red mulberry	14.9; 9.8	24 ft toward river	Double trunk
120	1079687.14	176066.35	*Acer negundo*	Boxelder	16.3	24+	
121	1079682.76	176069.48	*Acer negundo*	Boxelder	13.8	12	
123	1079695.59	176047.81	*Morus rubra*	Red mulberry	5.4	10	
124	1079685.98	176039.53	*Acer negundo*	Boxelder	9.7	8	
127	1079682.62	176014.47	*Acer negundo*	Boxelder	8	10	
137	1079644.59	175913.30	*Acer negundo*	Boxelder	6 estimated	10	
138	1079541.94	175871.95	*Morus rubra*	Red mulberry	8.1	10	
142	1079569.23	175867.55	*Morus rubra*	Red mulberry	5.5	8	
145	1079601.21	175879.62	*Morus rubra*	Red mulberry	7.8; 6.9	10	Double trunk
146	1079613.36	175883.96	*Morus rubra*	Red mulberry	11.6	15	

[1] DBH - Diameter at Breast Height

NOTES:

1. EXISTING TREE SPECIES WITHIN AND CONTIGUOUS TO THE PROPOSED LIVING SHORELINE AREA WAS SURVEYED AND DOCUMENTED DURING A SITE VISIT PERFORMED BY TETRA TECH ON FEBRUARY 14TH, 15TH, 18TH AND 19TH, 2019.





DEMOLITION LEGEND

- TREE TO BE REMOVED IN LIVING SHORELINE FOOTPRINT
- TREE TO BE STABILIZED IN LIVING SHORELINE FOOTPRINT
- TREE TO BE PROTECTED IN LIVING SHORELINE FOOTPRINT
- EXISTING VEGETATION TO BE REMOVED
- EXISTING ASPHALT PAVEMENT TO BE REMOVED
- EXISTING TREE TO BE REMOVED

C-105 TREE SCHEDULE SUMMARY

TOTAL NUMBER OF TREES TO BE REMOVED = 57

TOTAL NUMBER OF TRESS TO BE STABILIZED = 40

TOTAL NUMBER OF TREES TO BE KEPT = 45

0 20 40 80
SCALE: 1"=40'

TETRA TECH
www.tetratech.com
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

LISTER PARK PROJECT

LIVING SHORELINE AND BLIGH FIELD - DEMOLITION PLAN

Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

C-105

Copyright: Tetra Tech

Bar Measures 1 inch

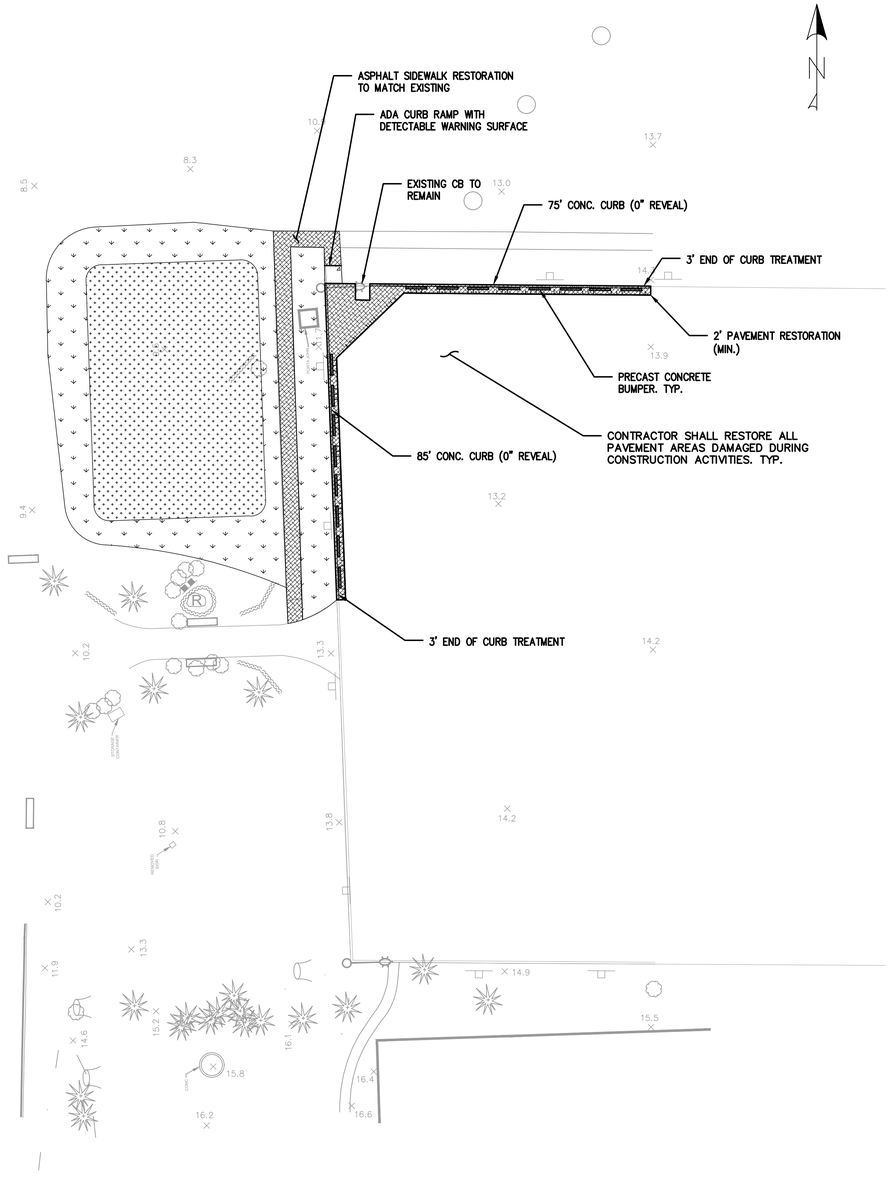
6/26/2020 11:43:05 AM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTRE\C-101 DETAILED DEMOLITION PLAN.DWG - SUDMAN, ERIC

LEGEND

- NEW CONCRETE CURB
- PAVEMENT RESTORATION
- GRADING (GRASS) AREA
- NEW STORMWATER MANAGEMENT PRACTICE
- SAWCUT EXISTING PAVEMENT/PAVEMENT LIMIT

REFERENCE:

1. THIS PLAN IS BASED ON A TOPOGRAPHIC MAP PREPARED BY GAYRON DE BRUIN LAND SURVEYING AND ENGINEERING, PC "EAST ROCKAWAY HIGH SCHOOL/LISTER PARK PROJECT DATED 11/27/2018
2. THE COORDINATE DATUM IS BASED ON NEW YORK STATE PLANE COORDINATE SYSTEM – LONG ISLAND ZONE, NORTH AMERICAN DATUM NAD 1983 (2011), VERTICAL DATUM IS NAVD88 (NYSNET); SEE TOPOGRAPHIC SURVEY FOR MORE DETAILS.



PAVEMENT PLAN

KEY MAP SCALE" 1" = 500'

0 10 20 40
SCALE: 1"=20'

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 1003
NEW YORK, NY 10004
PHONE: (646)576-4034

DRAFT 100% NOT FOR CONSTRUCTION

ANDES
Andes Consulting Engineering & Surveying, pllc
234 Hancox Avenue, Nutley, NJ 07110
(626)727-0656
www.andesces.com

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

EAST ROCKAWAY HIGH SCHOOL/
LISTER PARK PROJECT

TIGHE FIELD
PAVEMENT PLAN

Project No.:	200-89763-18003
Designed By:	JL
Drawn By:	JW
Checked By:	JW,JL

C-201
1

Copyright: Tetra Tech

Bar Measures 1 inch

1/19/2020 12:06:59 PM - D:\ANDESCES\A014-TETRATECH_LISTER & TIGHE:\DWG\CIVIL\C-201-202_PVMT.DWG - ACES

LEGEND

- NEW CONCRETE CURB
- NEW FULL DEPTH PAVEMENT
- PAVEMENT RESTORATION
- GRADING (GRASS) AREA
- NEW STORMWATER MANAGEMENT PRACTICE
- NEW SWALE/LANDSCAPE AREA
- SAWCUT EXISTING PAVEMENT/PAVEMENT LIMIT
- PAVEMENT MARKING ARROW

ABBREVIATIONS

W = WHITE

SIGNAGE AND STRIPING NOTES

1. ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM WITH MUTCD STANDARDS AND SPECIFICATIONS.

REFERENCE:

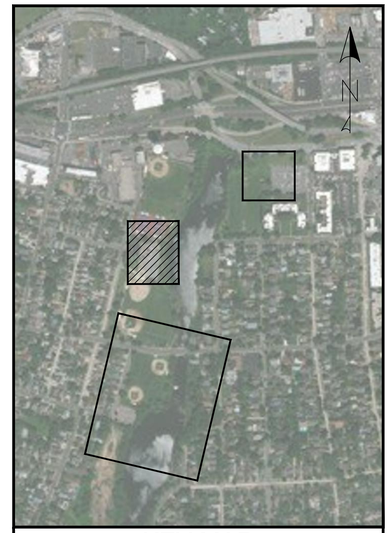
1. THIS PLAN IS BASED ON A TOPOGRAPHIC MAP PREPARED BY GAYRON DE BRUIN LAND SURVEYING AND ENGINEERING, PC "EAST ROCKAWAY HIGH SCHOOL/LISTER PARK PROJECT DATED 11/27/2018
2. THE COORDINATE DATUM IS BASED ON NEW YORK STATE PLANE COORDINATE SYSTEM – LONG ISLAND ZONE, NORTH AMERICAN DATUM NAD 1983 (2011), VERTICAL DATUM IS NAVD88 (NYSNET); SEE TOPOGRAPHIC SURVEY FOR MORE DETAILS.

SIGN SCHEDULE

MUTCD SIGN NO.	SIGN TEXT	SIZE (INCHES)
R5-1	DO NOT ENTER	30x30
R7-1	NO PARKING ANYTIME	12x18
W1-6L	ONE-DIRECTION LARGE ARROW	36x36

NOTES:
1. SEE C-501 FOR ACCESSIBLE PARKING SIGN
2. SEE C-501 FOR PAINTED TRAFFIC ARROWS

PAVEMENT PLAN



KEY MAP SCALE" 1" = 500'

0 10 20 40
SCALE: 1"=20'

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 1003
NEW YORK, NY 10004
PHONE: (646)576-4034

DRAFT 100% NOT FOR CONSTRUCTION

ANDES
Andes Consulting Engineering & Surveying, pllc
234 Hancox Avenue, Nutley, NJ 07110
(626)727-0656
www.andesces.com

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

EAST ROCKAWAY HIGH SCHOOL/
LISTER PARK PROJECT

CENTENNIAL FIELD
PAVEMENT PLAN

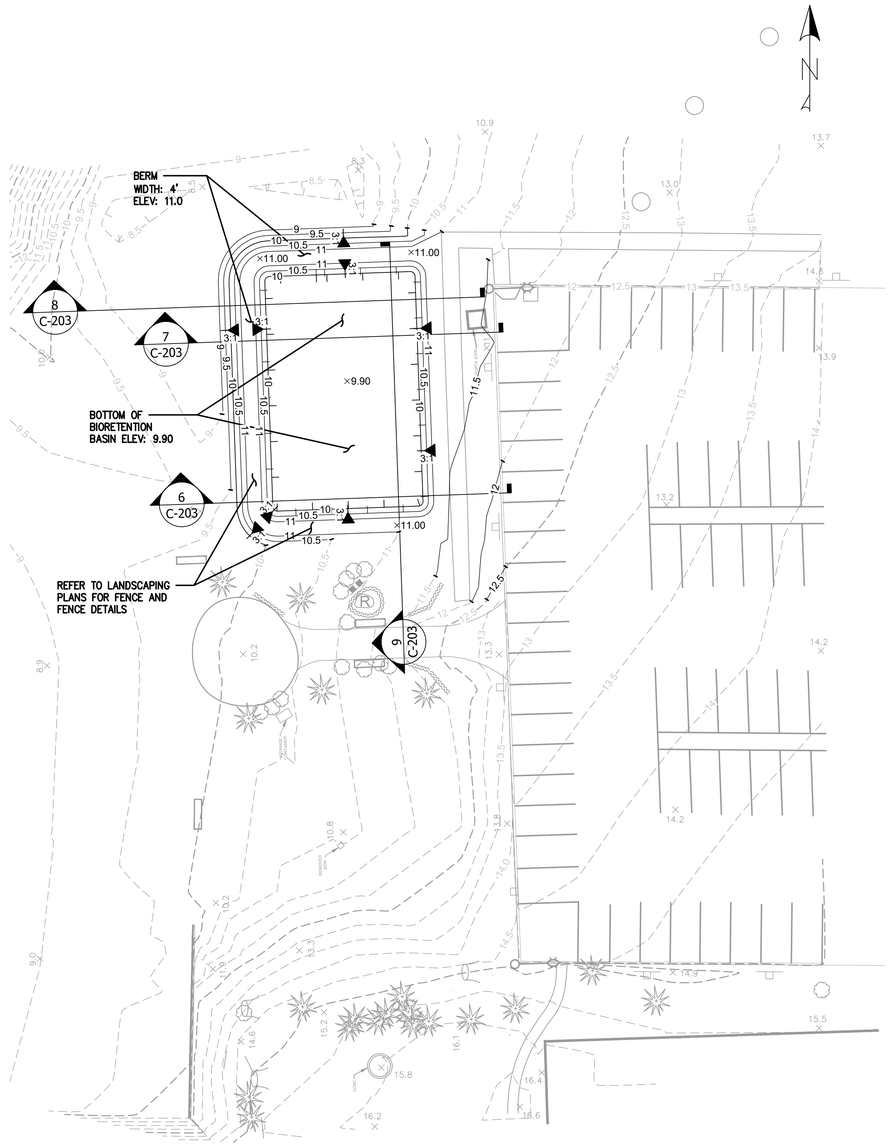
Project No.:	200-89763-18003
Designed By:	JL
Drawn By:	JW
Checked By:	JW,JL

C-202
1

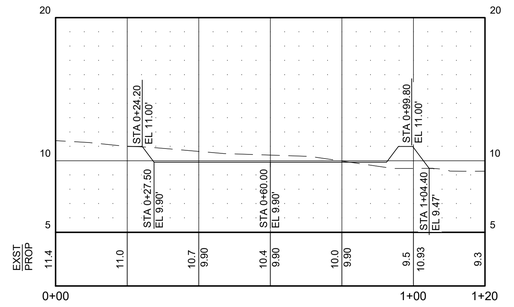
Copyright: Tetra Tech

Bar Measures 1 inch

1/19/2020 12:07:05 PM - D:\ANDESCES\A014-TETRATECH_LISTER & TIGHE=\DWG\CIVIL\C-201-202_PVMT.DWG - ACES

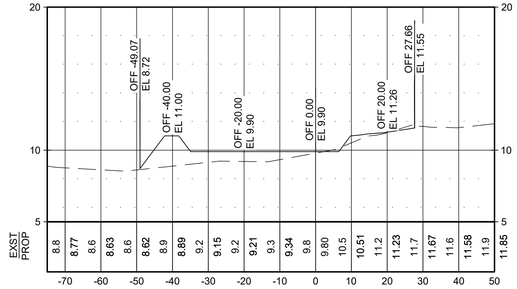


GRADING PLAN



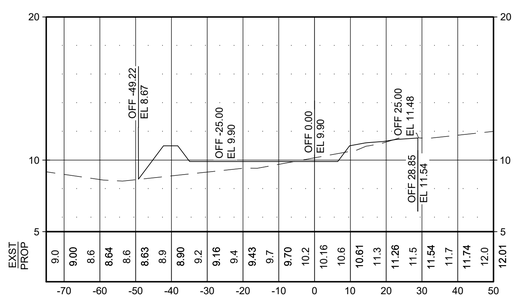
SECTION 9

SCALE:HORIZ 1"=20' VERT:1"=5'



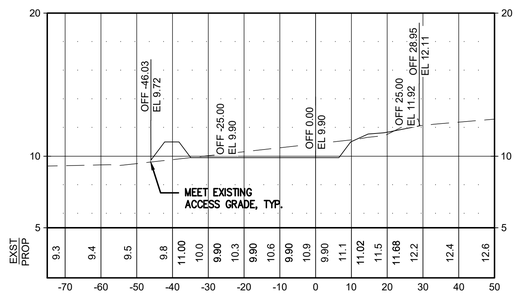
SECTION 8

SCALE:HORIZ 1"=20' VERT:1"=5'



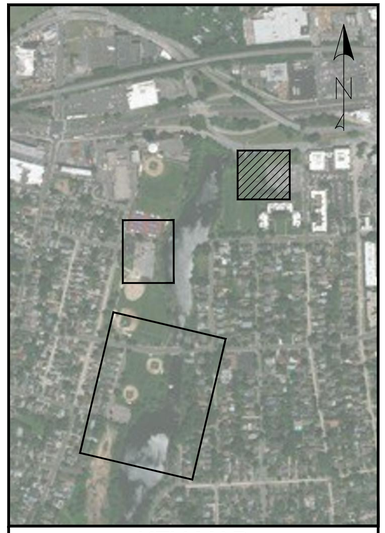
SECTION 7

SCALE:HORIZ 1"=20' VERT:1"=5'



SECTION 6

SCALE:HORIZ 1"=20' VERT:1"=5'



KEY MAP SCALE" 1" = 500'

GRADING AND DRAINAGE NOTES

1. PROPOSED GRADES SHOWN ON THESE PLANS HAVE BEEN PROVIDED AS GUIDANCE FOR THE CONTRACTOR. THESE PROPOSED GRADES MAY REQUIRE ADJUSTMENTS FOR ACTUAL FIELD CONDITIONS IN ORDER TO ESTABLISH POSITIVE DRAINAGE AND/OR MEET EXISTING GRADES. ANY ADDITIONAL REGRADING DUE TO THESE ADJUSTMENTS IS TO BE PAID FOR UNDER THE BID ITEMS. THE COST OF ANY ADDITIONAL SURVEY WORK NEEDED TO MAKE THE ADJUSTMENTS WILL BE INCLUDED IN THE BID ITEMS.
2. ALL SPOT ELEVATIONS ARE FOR TOP OF FINISH WORK UNLESS OTHERWISE NOTED.
3. MINIMUM SLOPE FOR ALL ASPHALT FINISH WORK SHALL BE 0.5%. WATER MUST DRAIN TOWARDS DIRECTION OF FLOW ARROWS AND FOLLOW OVERALL DESIGN INTENT.
4. All AREAS DISTURBED BY GRADING OPERATIONS TO BE FINE GRADED.
5. CONTRACTOR SHALL OBTAIN ALL UTILITY ENTITIES AND OWNER TO VERIFY LOCATION OF EXISTING UTILITY PRIOR TO ANY CONSTRUCTION ACTIVITY.
6. CONTRACTOR TO PROTECT ALL EXCAVATIONS FROM SOIL EROSION AND WATER SATURATION AT ALL TIMES USING APPROPRIATE CONSTRUCTION METHODS. AND LOSS OF SOIL PROFILE DURING CONSTRUCTION SHALL BE REPLACED WITH APPROPRIATE SOIL COMPOSITION AND COMPACTION METHODS TO MATCH LOSS SOIL.

REFERENCE:

1. THIS PLAN IS BASED ON A TOPOGRAPHIC MAP PREPARED BY GAYRON DE BRUIN LAND SURVEYING AND ENGINEERING, PC "EAST ROCKAWAY HIGH SCHOOL/LISTER PARK PROJECT DATED 11/27/2018
2. THE COORDINATE DATUM IS BASED ON NEW YORK STATE PLANE COORDINATE SYSTEM – LONG ISLAND ZONE, NORTH AMERICAN DATUM NAD 1983 (2011), VERTICAL DATUM IS NAVD88 (NYSNET); SEE TOPOGRAPHIC SURVEY FOR MORE DETAILS.

0 10 20 40
SCALE: 1"=20'

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 1003
NEW YORK, NY 10004
PHONE: (646)576-4034

DRAFT 100% NOT FOR CONSTRUCTION

ANDES
Andes Consulting Engineering & Surveying, pllc
234 Hancox Avenue, Nutley, NJ 07110
(626)727-0656
www.andesces.com

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

EAST ROCKAWAY HIGH SCHOOL/
LISTER PARK PROJECT

TIGHE FIELD
GRADING PLAN

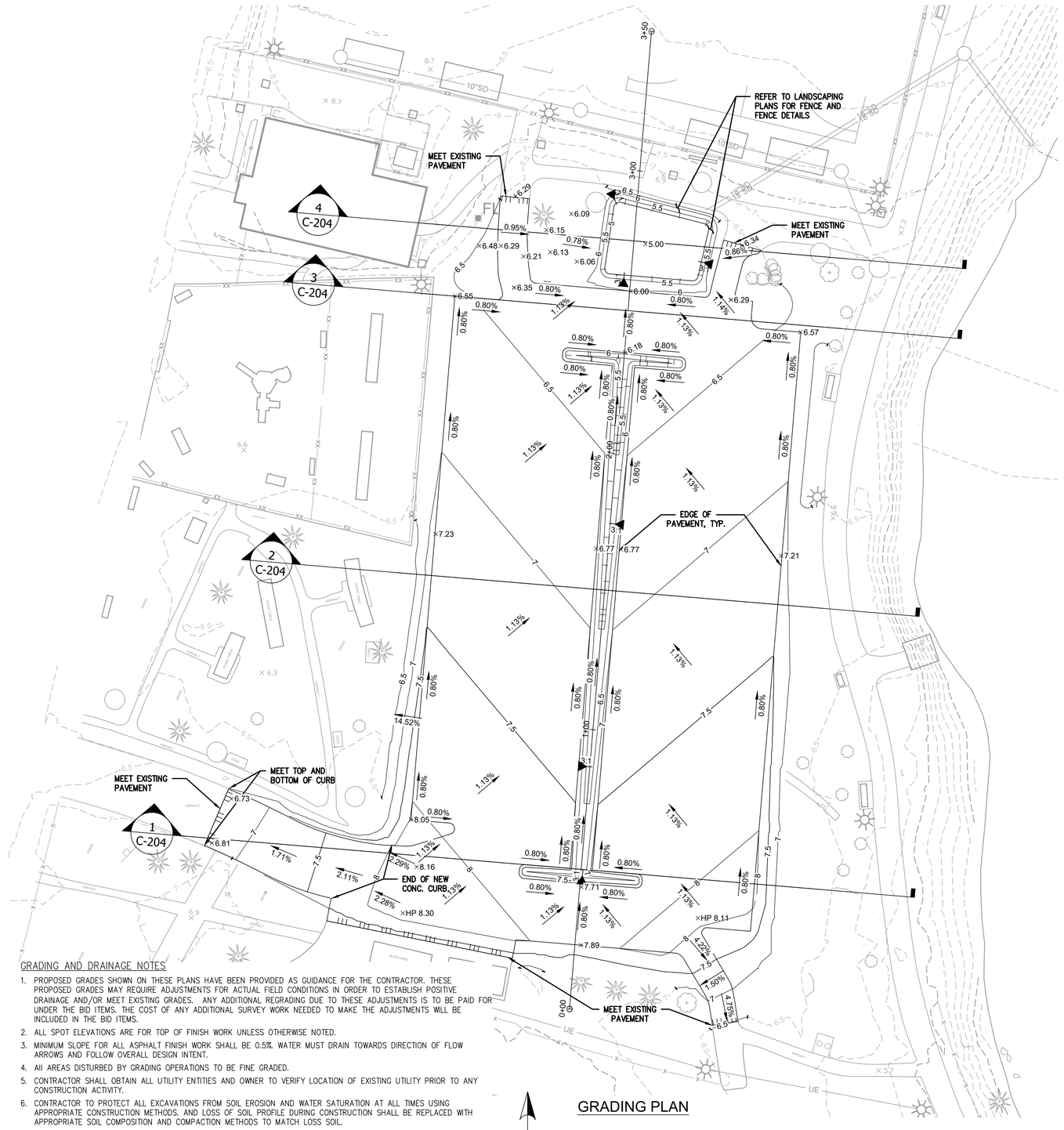
Project No.:	200-89763-18003
Designed By:	JL
Drawn By:	JW,DI
Checked By:	JW,DI,JL

C-203
1

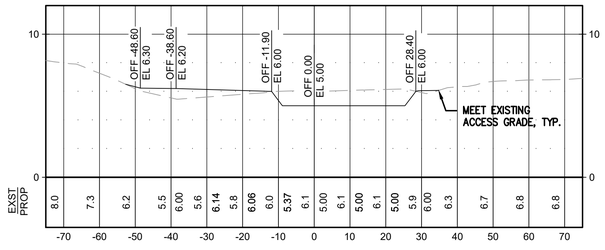
Copyright: Tetra Tech

Bar Measures 1 inch

1/19/2020 12:07:22 PM - D:\ANDESCES\A014-TETRATECH_LISTER & TIGHE\.DWG\CIVIL\C-203-204_GRDG.DWG - ACES

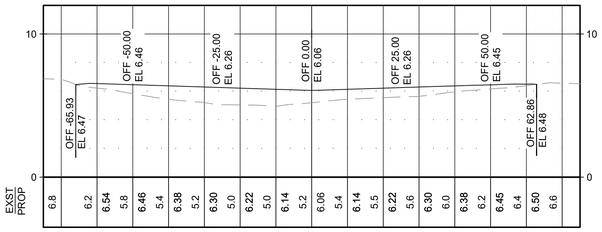


GRADING PLAN



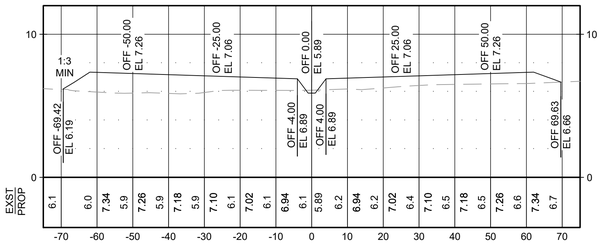
SECTION 4

SCALE:HORIZ 1"=20' VERT:1"=5'



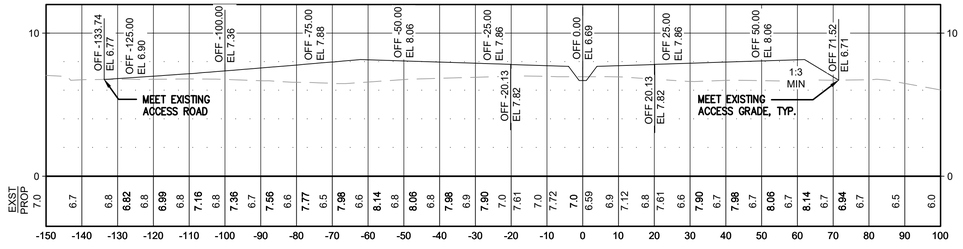
SECTION 3

SCALE:HORIZ 1"=20' VERT:1"=5'



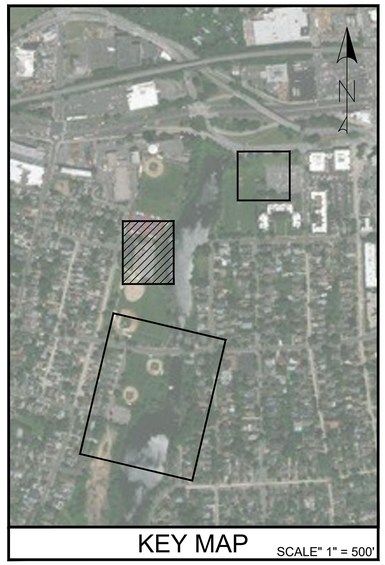
SECTION 2

SCALE:HORIZ 1"=20' VERT:1"=5'



SECTION 1

SCALE:HORIZ 1"=20' VERT:1"=5'



GRADING AND DRAINAGE NOTES

1. PROPOSED GRADES SHOWN ON THESE PLANS HAVE BEEN PROVIDED AS GUIDANCE FOR THE CONTRACTOR. THESE PROPOSED GRADES MAY REQUIRE ADJUSTMENTS FOR ACTUAL FIELD CONDITIONS IN ORDER TO ESTABLISH POSITIVE DRAINAGE AND/OR MEET EXISTING GRADES. ANY ADDITIONAL REGRADING DUE TO THESE ADJUSTMENTS IS TO BE PAID FOR UNDER THE BID ITEMS. THE COST OF ANY ADDITIONAL SURVEY WORK NEEDED TO MAKE THE ADJUSTMENTS WILL BE INCLUDED IN THE BID ITEMS.
2. ALL SPOT ELEVATIONS ARE FOR TOP OF FINISH WORK UNLESS OTHERWISE NOTED.
3. MINIMUM SLOPE FOR ALL ASPHALT FINISH WORK SHALL BE 0.5%. WATER MUST DRAIN TOWARDS DIRECTION OF FLOW ARROWS AND FOLLOW OVERALL DESIGN INTENT.
4. All AREAS DISTURBED BY GRADING OPERATIONS TO BE FINE GRADED.
5. CONTRACTOR SHALL OBTAIN ALL UTILITY ENTITIES AND OWNER TO VERIFY LOCATION OF EXISTING UTILITY PRIOR TO ANY CONSTRUCTION ACTIVITY.
6. CONTRACTOR TO PROTECT ALL EXCAVATIONS FROM SOIL EROSION AND WATER SATURATION AT ALL TIMES USING APPROPRIATE CONSTRUCTION METHODS. AND LOSS OF SOIL PROFILE DURING CONSTRUCTION SHALL BE REPLACED WITH APPROPRIATE SOIL COMPOSITION AND COMPACTION METHODS TO MATCH LOSS SOIL.

REFERENCE:

1. THIS PLAN IS BASED ON A TOPOGRAPHIC MAP PREPARED BY GAYRON DE BRUIN LAND SURVEYING AND ENGINEERING, PC "EAST ROCKAWAY HIGH SCHOOL/LISTER PARK PROJECT DATED 11/27/2018
2. THE COORDINATE DATUM IS BASED ON NEW YORK STATE PLANE COORDINATE SYSTEM – LONG ISLAND ZONE, NORTH AMERICAN DATUM NAD 1983 (2011), VERTICAL DATUM IS NAVD88 (NYSNET); SEE TOPOGRAPHIC SURVEY FOR MORE DETAILS.

IT IS A VIOLATION OF NYS EDUCATION LAW 145, SECTION 7209 FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER SHALL SEAL THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

0 10 20 40
SCALE: 1"=20'

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 1003
NEW YORK, NY 10004
PHONE: (646)576-4034

DRAFT 100% NOT FOR CONSTRUCTION

ANDES
Andes Consulting Engineering & Surveying, pllc
234 Hancox Avenue, Nutley, NJ 07110
(626)727-0656
www.andesces.com

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

EAST ROCKAWAY HIGH SCHOOL/
LISTER PARK PROJECT

CENTENNIAL FIELD
GRADING PLAN

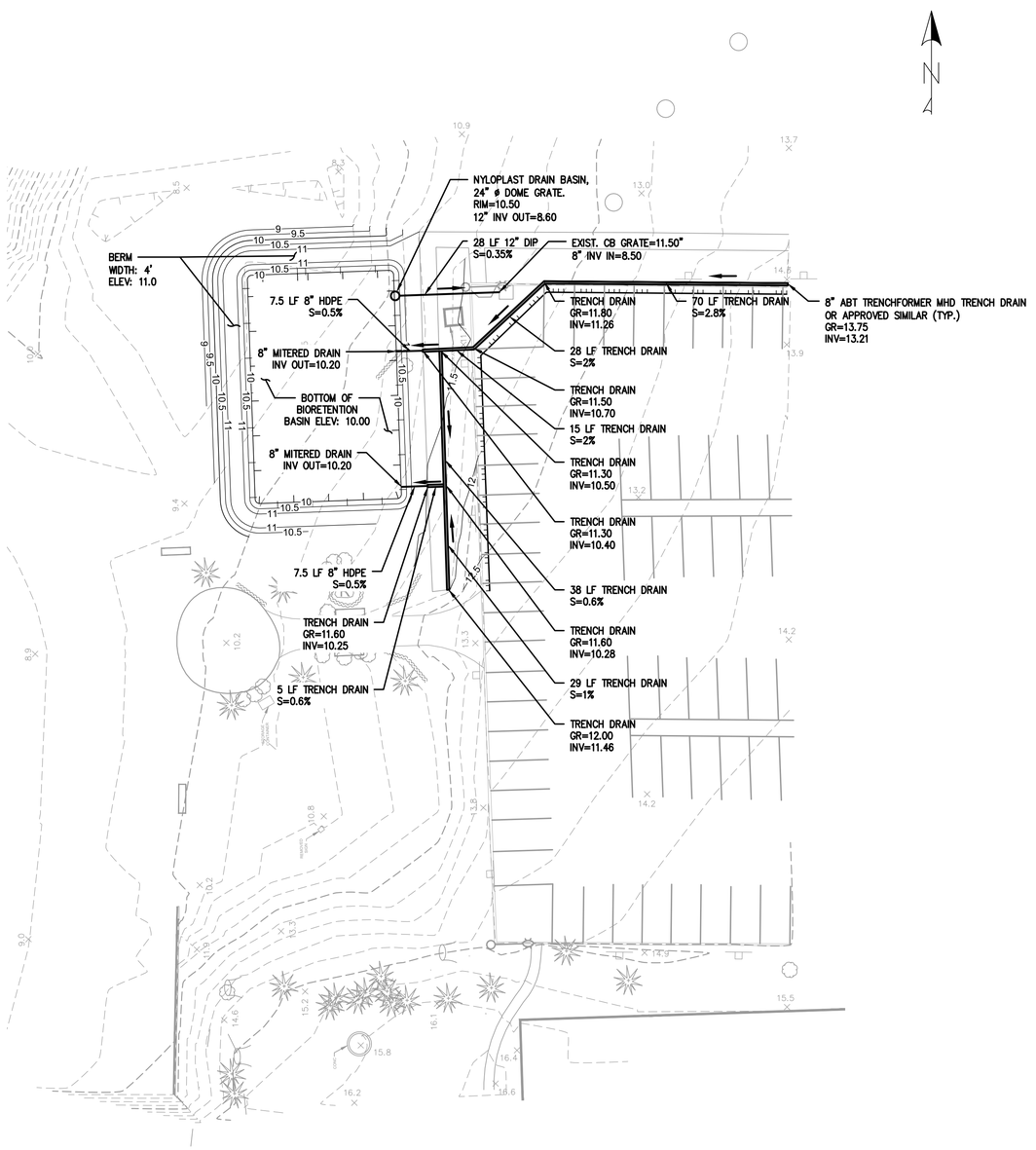
Project No.:	200-89763-18003
Designed By:	JL
Drawn By:	JW,DI
Checked By:	JW,DI,JL

C-204
1

Copyright: Tetra Tech

Bar Measures 1 inch

1/19/2020 12:07:43 PM - D:\ANDESCES\A0114-TETRATECH_LISTER & TIGHE-IDWG\CIVIL\C-203-204_GRDG.DWG - ACES



DRAINAGE PLAN

KEY MAP SCALE" 1" = 500'

GRADING AND DRAINAGE NOTES

1. PROPOSED GRADES SHOWN ON THESE PLANS HAVE BEEN PROVIDED AS GUIDANCE FOR THE CONTRACTOR. THESE PROPOSED GRADES MAY REQUIRE ADJUSTMENTS FOR ACTUAL FIELD CONDITIONS IN ORDER TO ESTABLISH POSITIVE DRAINAGE AND/OR MEET EXISTING GRADES. ANY ADDITIONAL REGRADING DUE TO THESE ADJUSTMENTS IS TO BE PAID FOR UNDER THE BID ITEMS. THE COST OF ANY ADDITIONAL SURVEY WORK NEEDED TO MAKE THE ADJUSTMENTS WILL BE INCLUDED IN THE BID ITEMS.
2. ALL SPOT ELEVATIONS ARE FOR TOP OF FINISH WORK UNLESS OTHERWISE NOTED.
3. MINIMUM SLOPE FOR ALL ASPHALT FINISH WORK SHALL BE 0.5% WATER MUST DRAIN TOWARDS DIRECTION OF FLOW ARROWS AND FOLLOW OVERALL DESIGN INTENT.
4. All AREAS DISTURBED BY GRADING OPERATIONS TO BE FINE GRADED.
5. CONTRACTOR SHALL OBTAIN ALL UTILITY ENTITIES AND OWNER TO VERIFY LOCATION OF EXISTING UTILITY PRIOR TO ANY CONSTRUCTION ACTIVITY.
6. CONTRACTOR TO PROTECT ALL EXCAVATIONS FROM SOIL EROSION AND WATER SATURATION AT ALL TIMES USING APPROPRIATE CONSTRUCTION METHODS. AND LOSS OF SOIL PROFILE DURING CONSTRUCTION SHALL BE REPLACED WITH APPROPRIATE SOIL COMPOSITION AND COMPACTION METHODS TO MATCH LOSS SOIL.

REFERENCE:

1. THIS PLAN IS BASED ON A TOPOGRAPHIC MAP PREPARED BY GAYRON DE BRUIN LAND SURVEYING AND ENGINEERING, PC "EAST ROCKAWAY HIGH SCHOOL/LISTER PARK PROJECT DATED 11/27/2018
2. THE COORDINATE DATUM IS BASED ON NEW YORK STATE PLANE COORDINATE SYSTEM – LONG ISLAND ZONE, NORTH AMERICAN DATUM NAD 1983 (2011), VERTICAL DATUM IS NAVD88 (NYSNET); SEE TOPOGRAPHIC SURVEY FOR MORE DETAILS.

0 10 20 40
SCALE: 1"=20'

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 1003
NEW YORK, NY 10004
PHONE: (646)576-4034

DRAFT 100% NOT FOR CONSTRUCTION

ANDES
Andes Consulting Engineering & Surveying, pllc
234 Hancox Avenue, Nutley, NJ 07110
(626)727-0656
www.andesces.com

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

EAST ROCKAWAY HIGH SCHOOL/
LISTER PARK PROJECT

TIGHE FIELD
DRAINAGE PLAN

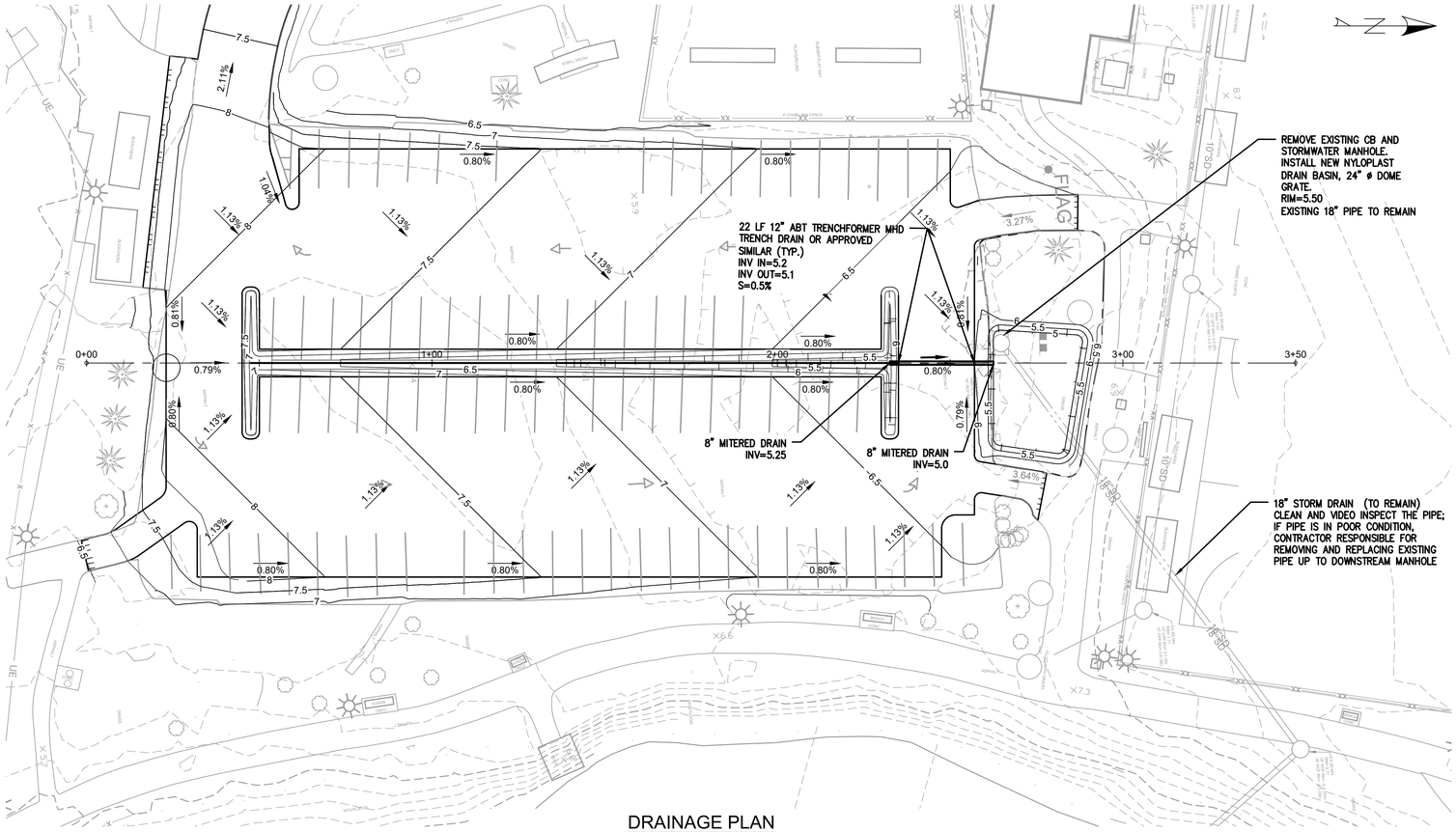
Project No.:	200-89763-18003
Designed By:	JL
Drawn By:	JW
Checked By:	JW,JL

C-205
1

Bar Measures 1 inch

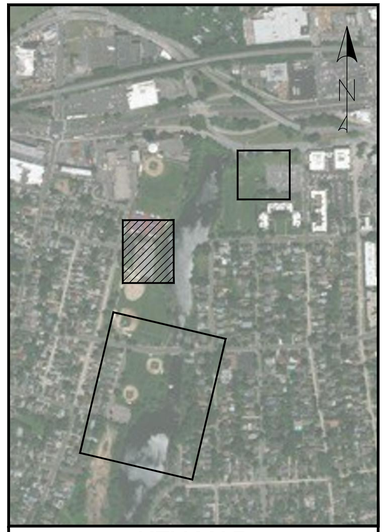
Copyright: Tetra Tech

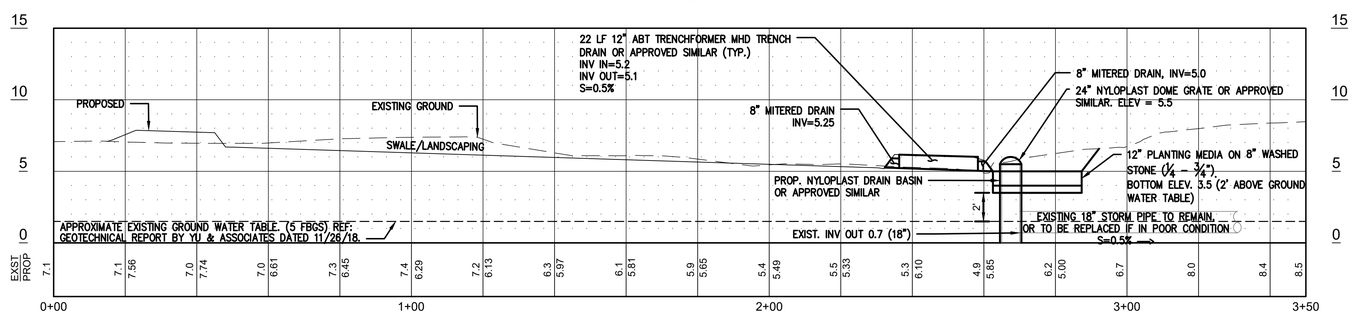
1/19/2020 12:07:57 PM - D:\ANDESCES\A014-TETRATECH_LISTER & TIGHE-IDWG\CIVIL\C-205-206_DRNG.DWG - ACES



DRAINAGE PLAN

1'=20"





PROFILE

H: 1'=20" V: 1"=5'

GRADING AND DRAINAGE NOTES

1. PROPOSED GRADES SHOWN ON THESE PLANS HAVE BEEN PROVIDED AS GUIDANCE FOR THE CONTRACTOR. THESE PROPOSED GRADES MAY REQUIRE ADJUSTMENTS FOR ACTUAL FIELD CONDITIONS IN ORDER TO ESTABLISH POSITIVE DRAINAGE AND/OR MEET EXISTING GRADES. ANY ADDITIONAL REGRADING DUE TO THESE ADJUSTMENTS IS TO BE PAID FOR UNDER THE BID ITEMS. THE COST OF ANY ADDITIONAL SURVEY WORK NEEDED TO MAKE THE ADJUSTMENTS WILL BE INCLUDED IN THE BID ITEMS.
2. ALL SPOT ELEVATIONS ARE FOR TOP OF FINISH WORK UNLESS OTHERWISE NOTED.
3. MINIMUM SLOPE FOR ALL ASPHALT FINISH WORK SHALL BE 0.5%. WATER MUST DRAIN TOWARDS DIRECTION OF FLOW ARROWS AND FOLLOW OVERALL DESIGN INTENT.
4. All AREAS DISTURBED BY GRADING OPERATIONS TO BE FINE GRADED.
5. CONTRACTOR SHALL OBTAIN ALL UTILITY ENTITIES AND OWNER TO VERIFY LOCATION OF EXISTING UTILITY PRIOR TO ANY CONSTRUCTION ACTIVITY.
6. CONTRACTOR TO PROTECT ALL EXCAVATIONS FROM SOIL EROSION AND WATER SATURATION AT ALL TIMES USING APPROPRIATE CONSTRUCTION METHODS. AND LOSS OF SOIL PROFILE DURING CONSTRUCTION SHALL BE REPLACED WITH APPROPRIATE SOIL COMPOSITION AND COMPACTION METHODS TO MATCH LOSS SOIL.

REFERENCE:

1. THIS PLAN IS BASED ON A TOPOGRAPHIC MAP PREPARED BY GAYRON DE BRUIN LAND SURVEYING AND ENGINEERING, PC "EAST ROCKAWAY HIGH SCHOOL/LISTER PARK PROJECT DATED 11/27/2018
2. THE COORDINATE DATUM IS BASED ON NEW YORK STATE PLANE COORDINATE SYSTEM – LONG ISLAND ZONE, NORTH AMERICAN DATUM NAD 1983 (2011), VERTICAL DATUM IS NAVD88 (NYSNET); SEE TOPOGRAPHIC SURVEY FOR MORE DETAILS.

0 10 20 40

SCALE: 1"=20'

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 1003
NEW YORK, NY 10004
PHONE: (646)576-4034

DRAFT 100% NOT FOR CONSTRUCTION

ANDES
Andes Consulting Engineering & Surveying, pllc
234 Hancox Avenue, Nutley, NJ 07110
(626)727-0656
www.andesces.com

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

EAST ROCKAWAY HIGH SCHOOL/
LISTER PARK PROJECT

CENTENNIAL FIELD
DRAINAGE PLAN

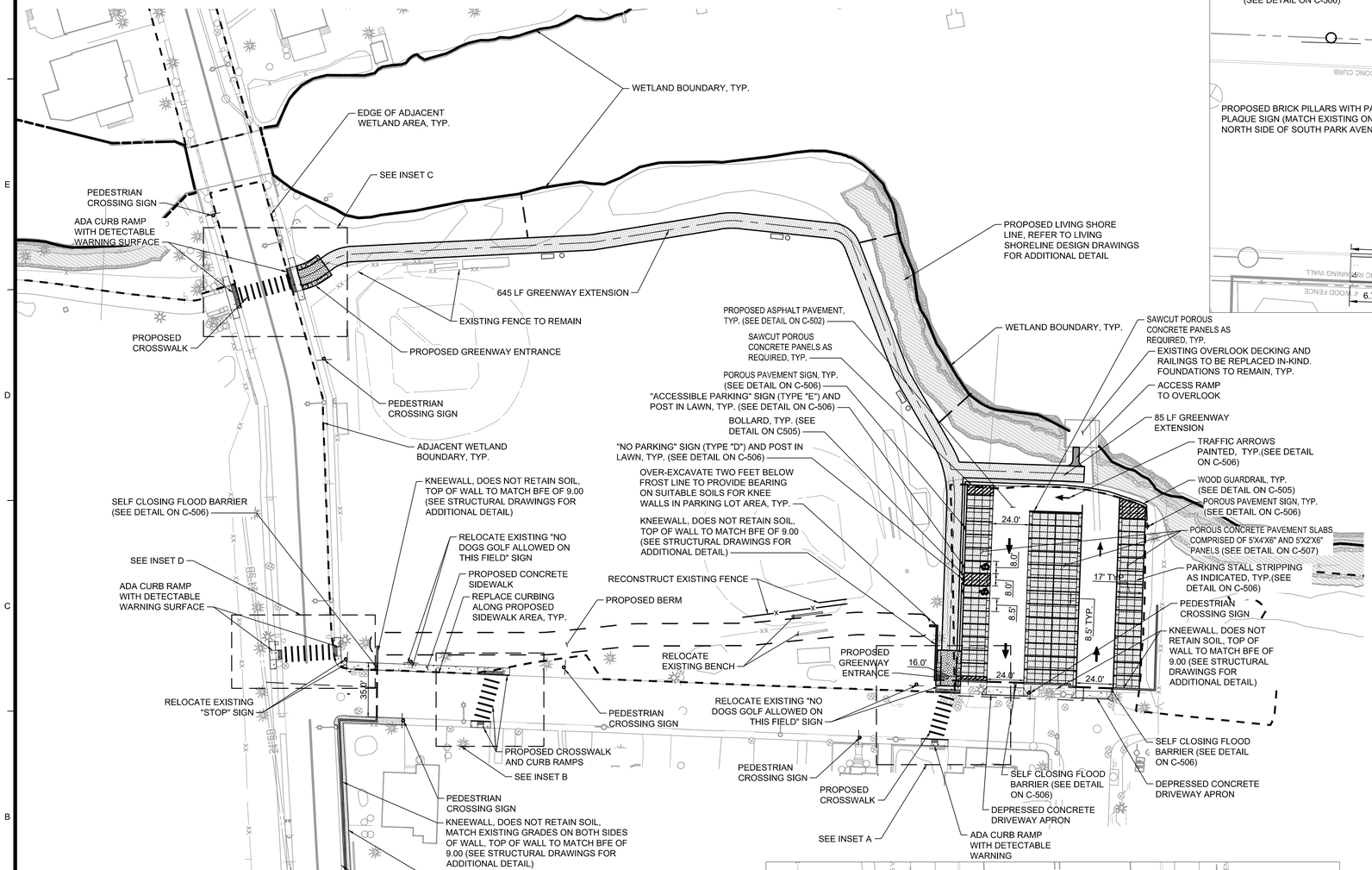
Project No.:	200-89763-18003
Designed By:	JL
Drawn By:	JW
Checked By:	JW,JL

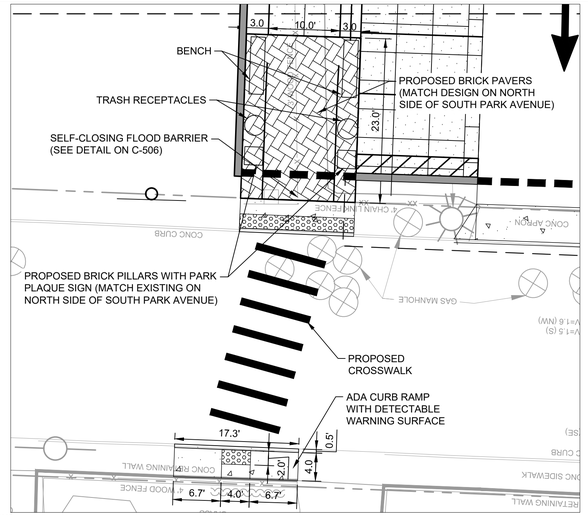
C-206
1

Copyright: Tetra Tech

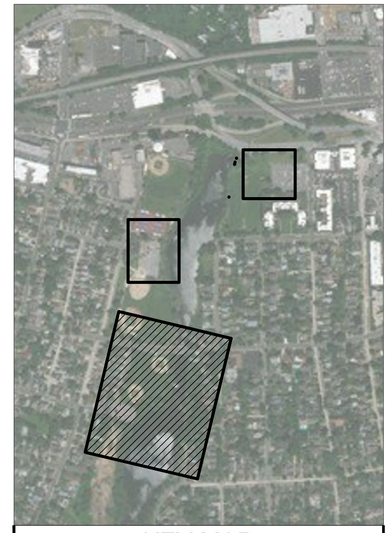
Bar Measures 1 inch

1/19/2020 12:08:07 PM - D:\ANDESCES\A014-TETRATECH_LISTER & TIGHE-IDWG\CIVIL\C-205-206_DRNG.DWG - ACES

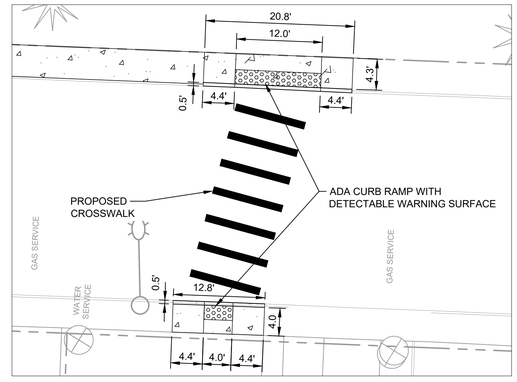




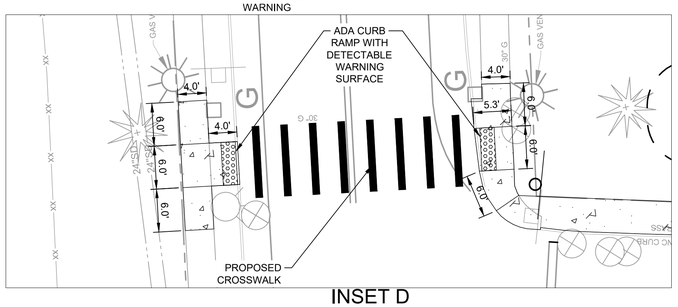
INSET A
SCALE: 1" = 10'



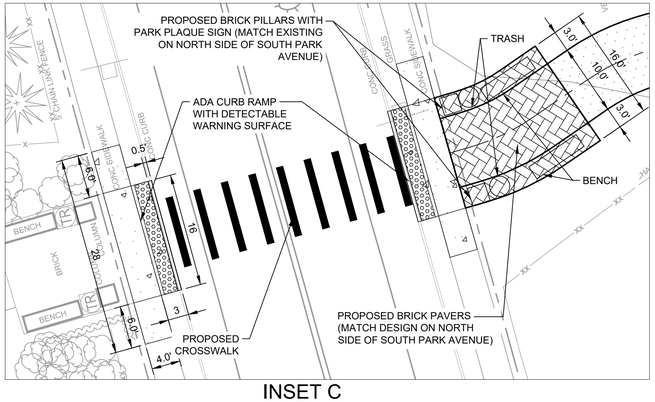
KEY MAP
SCALE" 1" = 500'



INSET B
SCALE: 1" = 10'



INSET D
SCALE: 1" = 10'



INSET C
SCALE: 1" = 10'

0 20 40 80
SCALE: 1"=40'

TETRA TECH
www.tetratech.com
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

LISTER PARK PROJECT

BLIGH FIELD
SITE PLAN

Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JC

C-207

Copyright: Tetra Tech

Bar Measures 1 inch

6/26/2020 2:51:59 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTRE\C-207 - DETAILED SITE PLAN.DWG - CABRERA, CHRISTIAN

WETLAND BOUNDARY, TYP.

EDGE OF ADJACENT WETLAND AREA, TYP.

DRAINAGE RELIEF PIPE AT LOW POINTS ALONG POROUS ASPHALT GREENWAY (SEE DETAIL)

SEE INSET C

DRAINAGE RELIEF PIPE AT LOW POINTS ALONG POROUS ASPHALT GREENWAY (SEE DETAIL)

DRAINAGE RELIEF PIPE AT LOW POINTS ALONG POROUS ASPHALT GREENWAY (SEE DETAIL)

OUTFALL BACK FLOW PREVENTOR (42" RCP, INV.: -1.5)

ADJACENT WETLAND AREA BOUNDARY, TYP.

WETLAND BOUNDARY, TYP.

RE-GRADE FIELD AS REQUIRED TO ACCOUNT FOR BERM CONSTRUCTION, MAINTAIN POSITIVE DRAINAGE

EARTHEN BERM (TOP OF BERM TO BE CONSTRUCTED TO 9.75 TO ACCOUNT FOR APPROXIMATELY 9 INCHES OF SETTLEMENT TO MATCH BFE OF 9.00 AFTER SETTLEMENT)

KNEEWALL, DOES NOT RETAIN SOIL, TOP OF WALL TO MATCH BFE OF 9.00(SEE STRUCTURAL DRAWINGS FOR ADDITIONAL DETAIL)

SEE INSET D

KOR-N-SEAL CONNECTION TO EXISTING DRAIN TO EXISTING 24" PIPE. INVERT AT CONNECTION POINT TO BE VERIFIED IN FIELD.
INVERT AT UPSTREAM STRUCTURE = 4.60.

4" DRAINAGE OUTLET FROM SCFB. SLOPE @ 0.5% FROM CONNECTION TO EXISTING 24" PIPE.

4" DRAINAGE OUTLET FROM SCFB. SLOPE @ 0.5% FROM CONNECTION TO EXISTING 18" PIPE.

SELF CLOSING FLOOD BARRIER (SCFB, SEE DETAIL)

SEE INSET B

SEE INSET A

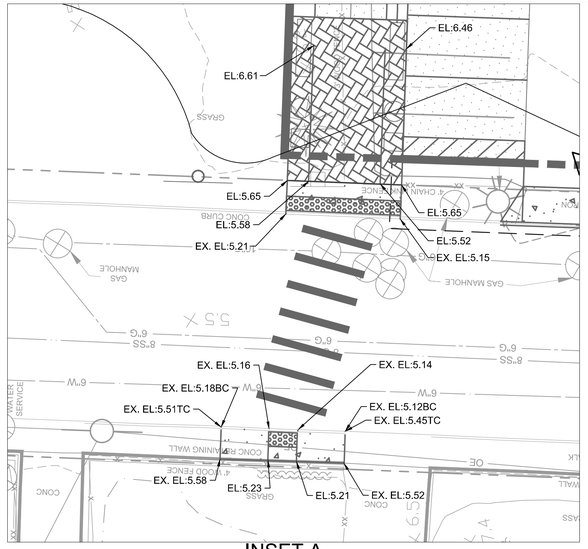
4" DRAINAGE OUTLET FROM SCFB. SLOPE @ 0.5% FROM CONNECTION TO EXISTING 18" PIPE.

KOR-N-SEAL CONNECTION TO EXISTING DRAIN TO EXISTING 18" PIPE MATCH PIPE CROWNS. CROWN OF EXISTING 18" PIPE APPROXIMATELY ELEVATION 3.0 ±

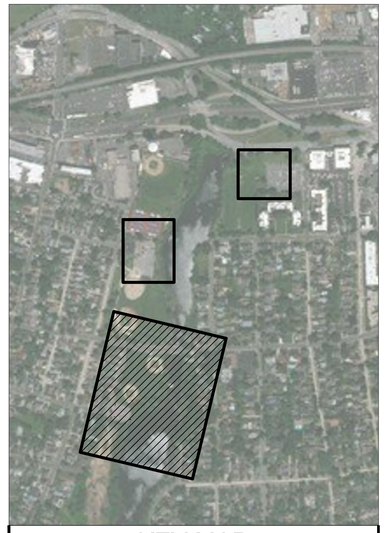
KOR-N-SEAL CONNECTION TO EXISTING DRAIN TO EXISTING 18" PIPE MATCH PIPE CROWNS. CROWN OF EXISTING 18" PIPE APPROXIMATELY ELEVATION 2.3 ±

KNEEWALL, DOES NOT RETAIN SOIL, MATCH EXISTING GRADES ON BOTH SIDES OF WALL, TOP OF WALL TO MATCH BFE OF 9.00 (SEE STRUCTURAL DRAWINGS FOR ADDITIONAL DETAIL)

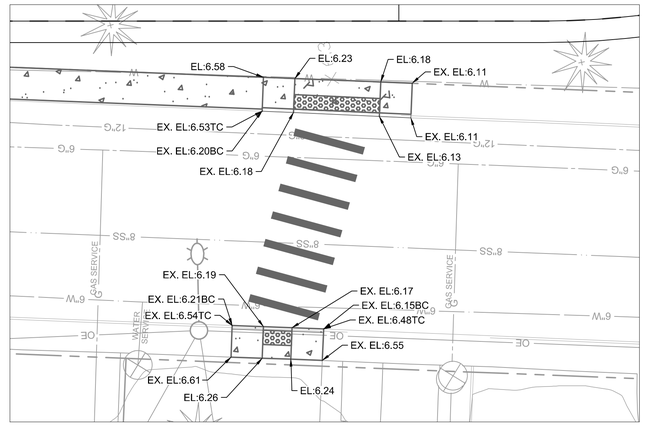
TERMINATE WALL AT ELEVATION 9.00. VERIFY LOCATION IN FIELD.



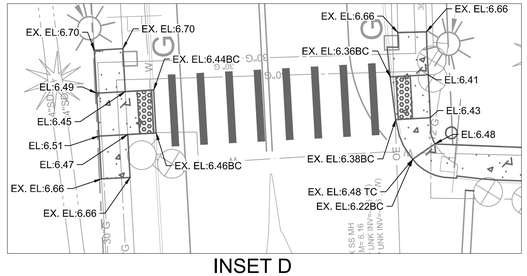
INSET A
SCALE: 1" = 10'



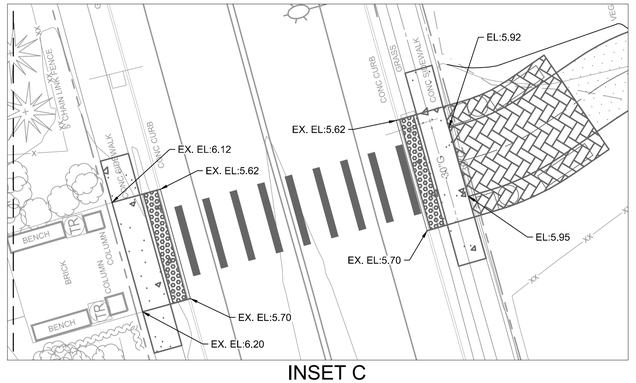
KEY MAP SCALE" 1" = 500'



INSET B
SCALE: 1" = 10'



INSET D
SCALE: 1" = 10'



INSET C
SCALE: 1" = 10'

0 20 40 80
SCALE: 1"=40'

TETRA TECH
www.tetratech.com
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

LISTER PARK PROJECT

BLIGH FIELD
GRADING AND DRAINAGE PLAN

Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

C-208

Copyright: Tetra Tech

Bar Measures 1 inch

6/26/2020 1:21:19 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTRE\C-208 - DETAILED GRADING AND DRAINAGE PLAN.DWG - CABRERA, CHRISTIAN

NOTE:

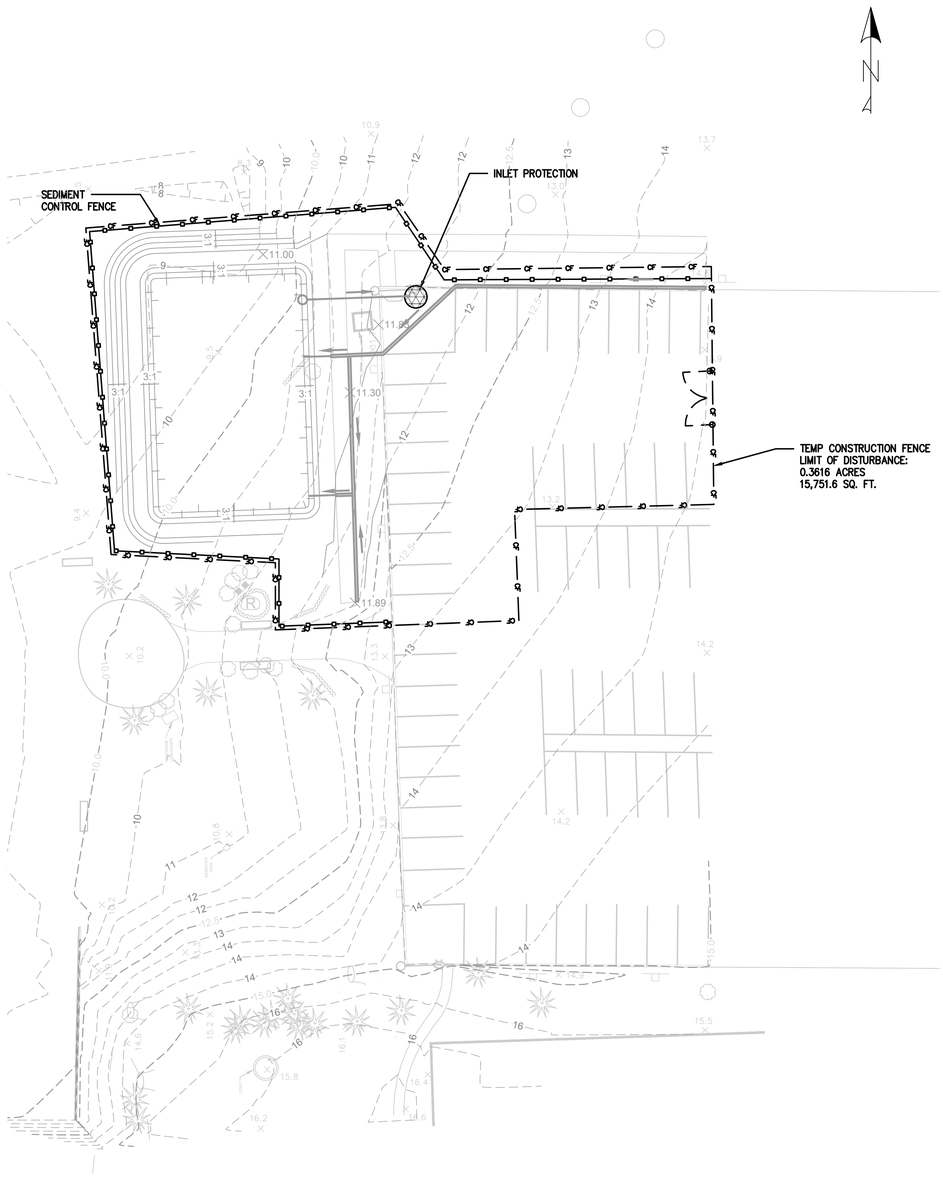
1. REFER TO DRAWING C-304 "EROSION CONTROL NOTES AND DETAILS"

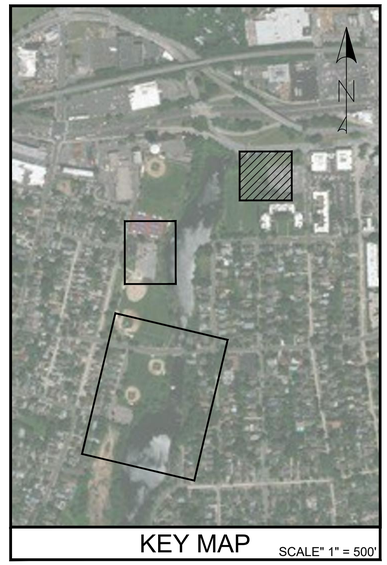
REFERENCE:

1. THIS PLAN IS BASED ON A TOPOGRAPHIC MAP PREPARED BY GAYRON DE BRUIN LAND SURVEYING AND ENGINEERING, PC "EAST ROCKAWAY HIGH SCHOOL/LISTER PARK PROJECT DATED 11/27/2018
2. THE COORDINATE DATUM IS BASED ON NEW YORK STATE PLANE COORDINATE SYSTEM – LONG ISLAND ZONE, NORTH AMERICAN DATUM NAD 1983 (2011), VERTICAL DATUM IS NAVD88 (NYSNET); SEE TOPOGRAPHIC SURVEY FOR MORE DETAILS.

LEGEND

- LIMIT OF DISTURBANCE/TEMP. CONST. FENCE
- SEDIMENT CONTROL FENCE
- TREE PROTECTION
- INLET PROTECTION





KEY MAP SCALE" 1" = 500'

TEMP. SOIL EROSION CONTROL PLAN

0 10 20 40
SCALE: 1"=20'

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 1003
NEW YORK, NY 10004
PHONE: (646)576-4034

DRAFT 100% NOT FOR CONSTRUCTION

ANDES
Andes Consulting Engineering & Surveying, pllc
234 Hancock Avenue, Nutley, NJ 07110
(626)727-0656
www.andesces.com

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

EAST ROCKAWAY HIGH SCHOOL/
LISTER PARK PROJECT

TIGHE FIELD
TEMP. SOIL EROSION CONTROL PLAN

Project No.:	200-89763-18003
Designed By:	JL
Drawn By:	JW
Checked By:	JW,JL

C-301
1

Bar Measures 1 inch

Copyright: Tetra Tech

1/19/2020 12:08:22 PM - D:\ANDESCES\A014-TETRATECH_LISTER & TIGHE-IDWG\CIVIL\C-301-302_304_SE.DWG - ACES

NOTE:

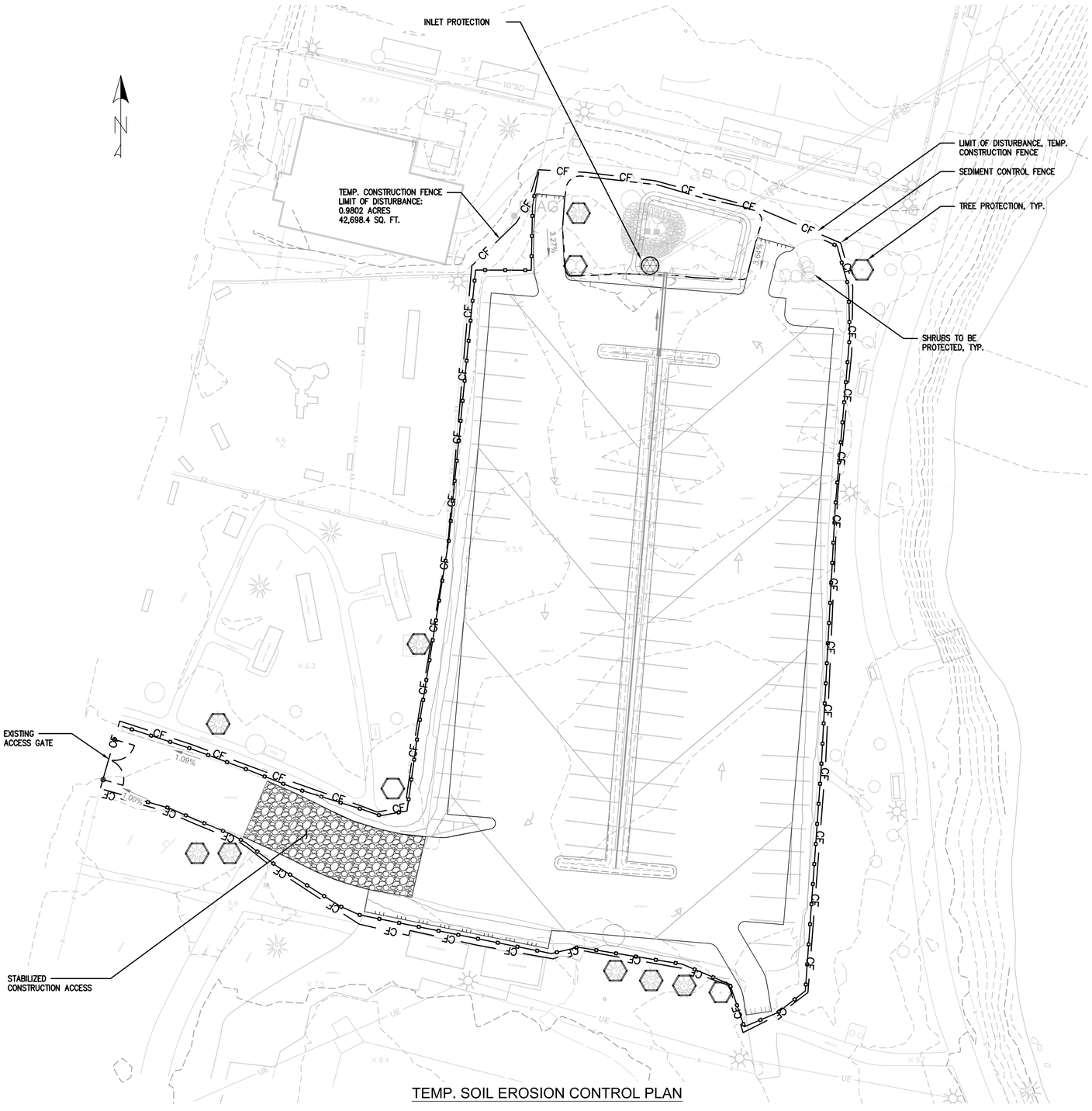
1. REFER TO DRAWING C-304 "EROSION CONTROL NOTES AND DETAILS"

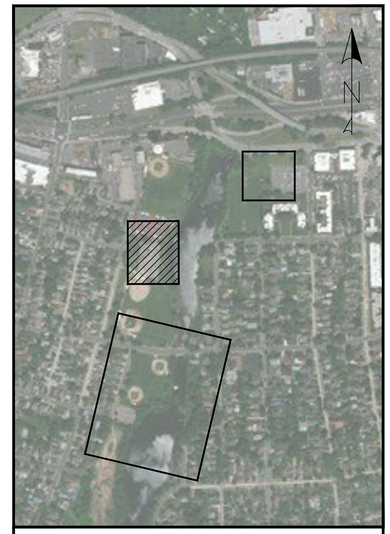
REFERENCE:

1. THIS PLAN IS BASED ON A TOPOGRAPHIC MAP PREPARED BY GAYRON DE BRUIN LAND SURVEYING AND ENGINEERING, PC "EAST ROCKAWAY HIGH SCHOOL/LISTER PARK PROJECT DATED 11/27/2018
2. THE COORDINATE DATUM IS BASED ON NEW YORK STATE PLANE COORDINATE SYSTEM – LONG ISLAND ZONE, NORTH AMERICAN DATUM NAD 1983 (2011), VERTICAL DATUM IS NAVD88 (NYSNET); SEE TOPOGRAPHIC SURVEY FOR MORE DETAILS.

LEGEND

- CF — LIMIT OF DISTURBANCE/TEMP. CONST. FENCE
- SEDIMENT CONTROL FENCE
- TREE PROTECTION
- INLET PROTECTION
- STABILIZED CONSTRUCTION ACCESS





TEMP. SOIL EROSION CONTROL PLAN

0 10 20 40
SCALE: 1"=20'

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 1003
NEW YORK, NY 10004
PHONE: (646)576-4034

DRAFT 100% NOT FOR CONSTRUCTION

ANDES
Andes Consulting Engineering & Surveying, pllc
234 Hancox Avenue, Nutley, NJ 07110
(626)727-0656
www.andesces.com

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

EAST ROCKAWAY HIGH SCHOOL/
LISTER PARK PROJECT

CENTENNIAL FIELD
TEMP. SOIL EROSION CONTROL PLAN

Project No.:	200-89763-18003
Designed By:	JL
Drawn By:	JW
Checked By:	JW,JL

C-302
1

Copyright: Tetra Tech

Bar Measures 1 inch

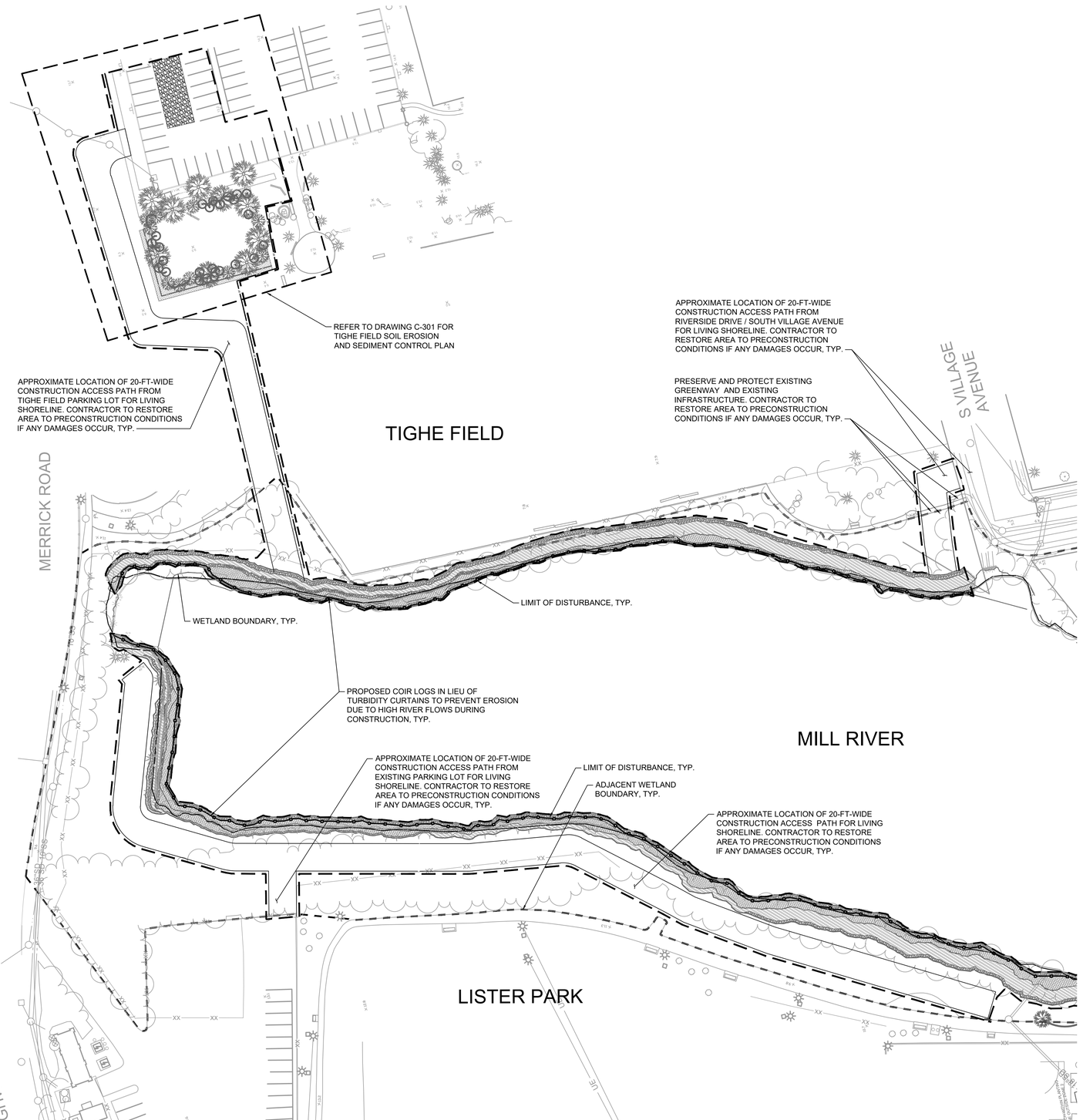
1/19/2020 12:08:30 PM - D:\ANDESCES\A0014-TETRATECH_LISTER & TIGHE-IDWG\CIVIL\C-301-302_304_SE.DWG - ACES

EROSION CONTROL LEGEND

- LIMIT OF DISTURBANCE
- COIR LOGS
- SILT FENCE
- CONSTRUCTION ENTRANCE PAD
- INLET FILTER

TOTAL PROJECT DISTURBANCE

TOTAL PROJECT LIMIT OF DISTURBANCE AREA = 296,460 SF / 6.81 AC



KEY MAP SCALE" 1" = 750'

0 20 40 80
SCALE: 1"=40'

TETRA TECH
www.tetratech.com
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

LISTER PARK PROJECT

LIVING SHORELINE -
SOIL EROSION AND SEDIMENT CONTROL PLAN

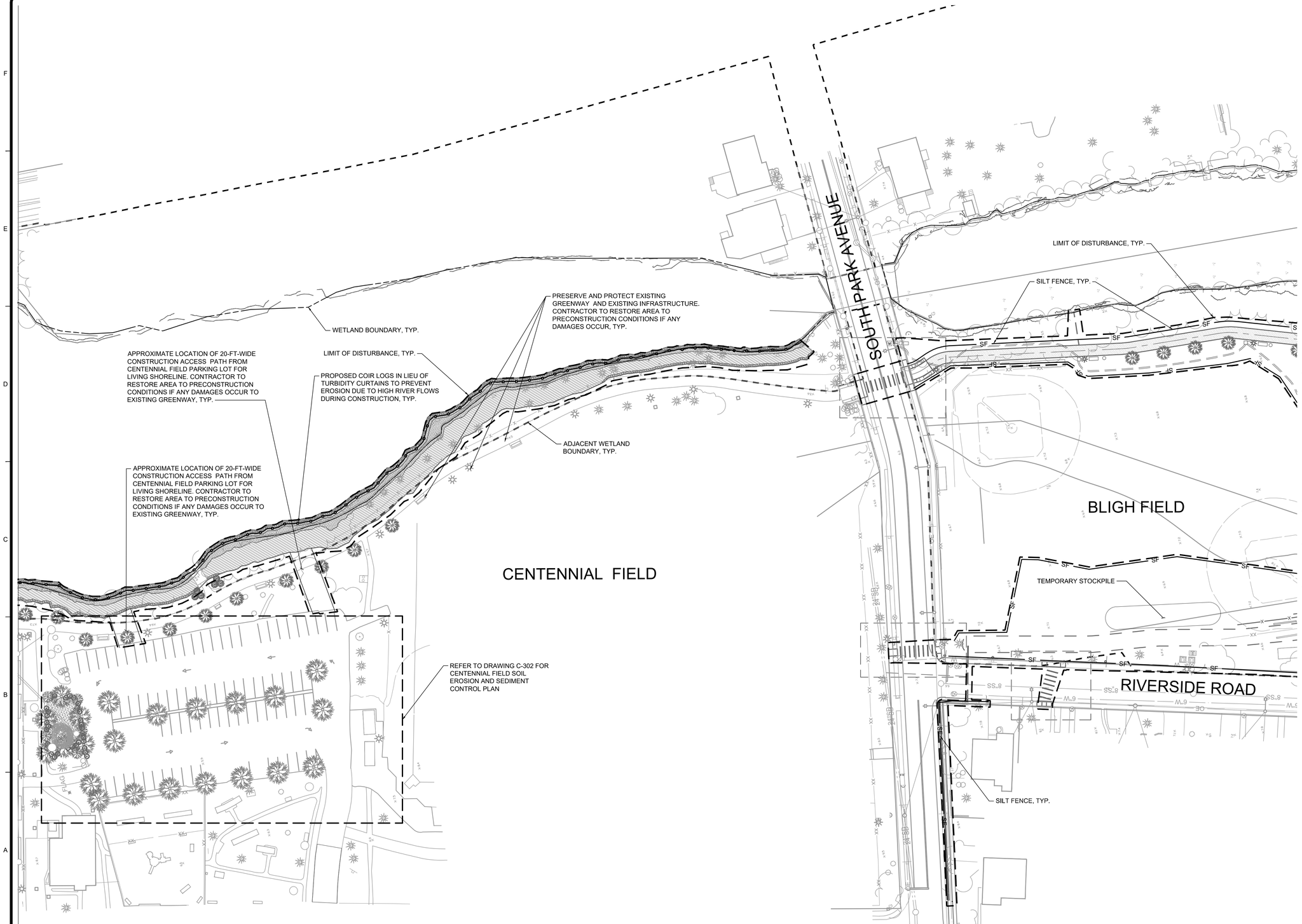
Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

C-303

Bar Measures 1 inch

Copyright Tetra Tech

6/26/2020 1:28:04 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTRE\C-301 - SESC DRAWINGS.DWG - CABRERA, CHRISTIAN



KEY MAP SCALE" 1" = 750'

EROSION CONTROL LEGEND

- LIMIT OF DISTURBANCE
- COIR LOGS
- SILT FENCE
- CONSTRUCTION ENTRANCE PAD
- INLET FILTER

TOTAL PROJECT DISTURBANCE

TOTAL PROJECT LIMIT OF DISTURBANCE AREA = 296,460 SF / 6.81 AC

0 20 40 80
SCALE: 1"=40'

TETRA TECH
www.tetratech.com
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

LISTER PARK PROJECT

LIVING SHORELINE AND BLIGH FIELD -
SOIL EROSION AND SEDIMENT CONTROL PLAN

Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

C-304

Copyright Tetra Tech

Bar Measures 1 inch

6/26/2020 1:29:41 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTRE\C-301 - SESC DRAWINGS.DWG - CABRERA, CHRISTIAN

SHELLBANK PLACE

DEMOTT PLACE

SHELTON COURT

RIVER AVENUE

RIVER AVENUE

MILL RIVER

KEY MAP SCALE" 1" = 750'

EROSION CONTROL LEGEND

- LIMIT OF DISTURBANCE
- COIR LOGS
- SILT FENCE
- CONSTRUCTION ENTRANCE PAD
- INLET FILTER

TOTAL PROJECT DISTURBANCE

TOTAL PROJECT LIMIT OF DISTURBANCE AREA = 296,460 SF / 6.81 AC

LIMIT OF DISTURBANCE, TYP.

WETLAND BOUNDARY, TYP.

ADJACENT WETLAND BOUNDARY, TYP.

PROPOSED COIR LOGS IN LIEU OF TURBIDITY CURTAINS TO PREVENT EROSION DUE TO HIGH RIVER FLOWS DURING CONSTRUCTION, TYP.

STABILIZED CONSTRUCTION ACCESS

SILT FENCE, TYP.

APPROXIMATE LOCATION OF 20-FT-WIDE CONSTRUCTION ACCESS PATH FOR LIVING SHORELINE. CONTRACTOR TO RESTORE AREA TO PRECONSTRUCTION CONDITIONS IF ANY DAMAGES OCCUR, TYP.

CURB INLET FILTER, TYP

ROCKVILLE CENTRE DPW YARD

MILL RIVER AVENUE

OXBURY ROAD

0 20 40 80

SCALE: 1"=40'

TETRA TECH

www.tetratech.com

498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

LISTER PARK PROJECT

LIVING SHORELINE AND BLIGH FIELD -
SOIL EROSION AND SEDIMENT CONTROL PLAN

Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

C-305

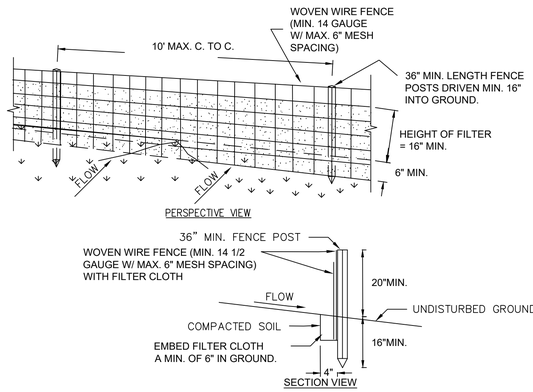
Bar Measures 1 inch

Copyright: Tetra Tech

6/26/2020 1:30:44 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTRE\C-301 - SESC DRAWINGS.DWG - CABRERA, CHRISTIAN

GENERAL EROSION CONTROL FENCE

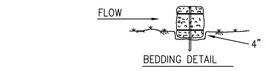
1. ALL SITE WORK SHALL CONFORM TO THE CLEARING, STRIPPING AND EROSION CONTROL REQUIREMENTS OF THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, THE PROJECT S.W.P.P.P., AND ALL STORMWATER PERMITS.
2. THE CONTRACTOR SHALL NOTIFY THE OWNER OF THEIR TIME SCHEDULE IN REGARD TO CLEARING, STRIPPING, MASS GRADING, AND EROSION CONTROL TO PROVIDE FOR PROPER INSPECTION.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING RIM ELEVATIONS IN RELATION TO PROPOSED FINISHED GRADE PRIOR TO INSTALLATION.
4. EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO COMMENCING EARTHWORK. EROSION CONTROL DEVICES SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT THE DURATION OF CONSTRUCTION AND UNTIL PROPER GROUNDCOVER HAS BEEN ESTABLISHED IN ALL DISTURBED AREAS OF THE SITE AND REMOVAL IS APPROVED BY THE OWNER'S REPRESENTATIVE / SWPPP INSPECTOR.
5. INSTALL A STABILIZED CONSTRUCTION ENTRANCE AS DIRECTED BY OWNER'S REPRESENTATIVE.
6. ALL CURB INLETS, FIELD INLETS, END SECTIONS AND OTHER SIMILAR DRAINAGE INLET STRUCTURES SHALL BE PROTECTED FROM SILTATION BY FILTER FABRIC OR OTHER OWNER'S REPRESENTATIVE/SWPPP INSPECTOR APPROVED EROSION CONTROL MEASURE.
7. CLEAR AND GRUB SITE (IF NECESSARY). EXISTING VEGETATION SHALL BE CLEARED FROM THE GRUBBING AREA BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
8. STRIPPED TOPSOIL SHALL BE STOCKPILED IN AREAS AS DIRECTED BY THE OWNER'S REPRESENTATIVE. THE STOCKPILE(S) SHALL BE SEEDED IN ACCORDANCE WITH EROSION CONTROL NOTES PER THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (EROSION CONTROL MANUAL) AND PROTECTED IN CONFORMANCE WITH NYSDEC REQUIREMENTS.
9. DISTURBED AREAS SHALL BE AS SMALL AS PRACTICAL, AND SHALL BE RESTORED, IMPROVED OR TEMPORARILY STABILIZED AS SOON AS POSSIBLE OR WITHIN SEVEN (7) DAYS AFTER DISTURBANCE HAS CEASED.
10. SEQUENCE OF CONSTRUCTION
    - A. CLEARLY IDENTIFY PROJECT WORK LIMITS IDENTIFYING ALL AREAS WHERE CONSTRUCTION DISTURBANCE SHALL NOT BE PERMITTED INCLUDING, BUT NOT LIMITED TO BUFFER AREAS, WETLANDS, SELECT TREES AND ADJOINING PROPERTIES.
    - B. INSTALL A STABILIZED CONSTRUCTION ENTRANCE AS DIRECTED BY SWPPP INSPECTOR OR OWNER.
    - C. INSTALL TREE PROTECTION AND PERIMETER EROSION CONTROL MEASURES. CONSTRUCT TEMPORARY EARTHEN BERMS, DIVERSION SWALES, SEDIMENT CONTROL DAMS AND ASSOCIATED EROSION AND SEDIMENT CONTROL MEASURES AS NECESSARY TO DIVERT RUNOFF FROM ENTERING AREAS OF PLANNED DISTURBANCE.
    - D. ESTABLISH TEMPORARY SEDIMENT BASINS, INCLUDING TEMPORARY VEGETATIVE STABILIZATION PRIOR TO COMMENCING EARTHWORK OPERATIONS.
    - E. CLEAR AND GRUB SITE.
    - F. ALL CLEARED VEGETATION SHALL BE REMOVED AND DISPOSED TO AN APPROVED LANDFILL.
    - G. STRIP AND STOCKPILE TOPSOIL FROM PROPOSED PAVEMENT, STRUCTURAL FILL AND CUT AREAS (STOCKPILE LOCATIONS AS DIRECTED BY OWNER). EXCESS TOPSOIL SHALL BE STOCKPILED AS APPROVED BY THE OWNER.
    - H. ESTABLISH MASS GRADE ELEVATIONS.
    - I. ALL DISTURBED AREAS ARE TO BE MULCHED AND SEEDED FOR TEMPORARY VEGETATIVE COVER IMMEDIATELY FOLLOWING GRADING. ALL TEMPORARY EROSION CONTROL MEASURES NOT INSTALLED PRIOR TO MASS GRADING SHALL BE INSTALLED AT THIS TIME.
    - J. CONSTRUCT STORMWATER MANAGEMENT FEATURES, INCLUDING OUTLET STRUCTURES.
    - K. CONSTRUCT UTILITIES, INFRASTRUCTURE IMPROVEMENTS, ETC.
    - L. MODIFY AND SPREAD TOPSOIL, FINE GRADE AND SEED.
    - M. PROVIDE AS-BUILT RECORD PLANS OF ALL STORMWATER FACILITIES, CERTIFIED BY A LAND SURVEYOR LICENSED IN NEW YORK STATE.
    - N. REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL FEATURES UPON ESTABLISHMENT OF PERMANENT GROUND COVER.
    - O. NOTIFY OWNER OF COMPLETION OF FINAL SITE STABILIZATION.
    - K. CONTRACTOR TO MAINTAIN ALL CONSTRUCTION RECORDS & CERTIFIED REPORTS AS NECESSARY FOR THE NYSDEC SPDES, PHASE II GENERAL PERMIT REQUIREMENTS FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITY. COPIES OF THE RECORDS AND REPORTS MUST BE MAINTAINED BY THE CONTRACTOR ON SITE UNTIL THE NOTICE OF TERMINATION HAS BEEN ACCEPTED BY THE NYSDEC.
11. EROSION CONTROL DEVICES, INCLUDING SEDIMENT BARRIERS (SILT FENCE, STONE FILTERS OR APPROVED EQUAL) TO BE ESTABLISHED PRIOR TO COMMENCING GRUBBING OPERATIONS. ALL EROSION CONTROL DEVICES MUST BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF THE WORK AND UNTIL UPSTREAM GROUNDCOVER HAS BEEN ESTABLISHED AND REMOVAL IS APPROVED BY THE OWNER AND/OR MUNICIPALITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL TEMPORARY AND PERMANENT EROSION CONTROL FEATURES AND ALL STORMWATER MANAGEMENT FACILITIES THROUGHOUT THE DURATION OF CONSTRUCTION.
    - A. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSPECTED BY THE CONTRACTOR'S NYSDEC QUALIFIED PROFESSIONAL AT LEAST EVERY 7 CALENDAR DAYS TO ENSURE THAT ALL CONTROLS ARE MAINTAINED AND PROPERLY FUNCTIONING. ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR WITHIN 24 HOURS OF THE WEEKLY INSPECTION.
    - B. ALL SEDIMENT TRAPPING DEVICES, INLET PROTECTION DEVICES AND STORMWATER MANAGEMENT FACILITIES SHALL BE CLEANED OF ACCUMULATED SILT WHEN STORAGE CAPACITY HAS BEEN REDUCED BY APPROXIMATELY 50% OF THEIR DESIGN CAPACITY OR AS INDICATED ON THE EROSION CONTROL PLANS OR AS DIRECTED BY THE SWPPP INSPECTOR.
    - C. ALL SEDIMENT SHALL BE REMOVED FROM BEHIND SILT FENCE WHEN IT ACCUMULATES TO A MAXIMUM HEIGHT OF 6" DEEP AT THE FENCE OR AS OTHERWISE DIRECTED.
    - D. AFTER VEGETATION HAS BEEN SUBSTANTIALLY ESTABLISHED, EXCAVATE SWALES OF ACCUMULATED SILT, CONSTRUCT DRY SWALES AND RE-ESTABLISH VEGETATION ON DISTURBED AREAS.
    - E. SEDIMENT COLLECTED BY EROSION CONTROL MEASURES SHALL BE DISPOSED OF BY SPREADING ON-SITE OR HAULED OFF-SITE IF DETERMINED TO BE UNSUITABLE FOR FILL.
13. DISTURBED AREAS SHALL BE AS SMALL AS PRACTICAL, AND SHALL BE RESTORED, IMPROVED OR TEMPORARILY STABILIZED AS SOON AS POSSIBLE.
14. THE CONTRACTOR SHALL TAKE THE NECESSARY MEASURES, INCLUDING WATER SPRINKLING, TO PROVIDE DUST CONTROL DURING CONSTRUCTION TO THE SATISFACTION OF THE OWNER. THE CONTRACTOR SHALL NOT DISCHARGE DUST INTO THE ATMOSPHERE OF SUCH QUANTITIES, CHARACTER OR DURATION THAT IT UNREASONABLY INTERFERES WITH THE COMFORTABLE ENJOYMENT OF LIFE AND PROPERTIES OR IS HARMFUL TO PLANTS AND ANIMALS. NO SEDIMENT FROM THE SITE SHALL BE PERMITTED TO WASH ONTO ADJACENT PROPERTIES, WETLANDS OR ROADS.
15. THE CONTRACTOR SHALL MINIMIZE THE AMOUNT OF SEDIMENT ENTERING UTILITIES. ALL MANHOLES, CURB INLETS, FIELD INLETS, END SECTIONS OR OTHER SIMILAR DRAINAGE INLET STRUCTURES SHALL BE PROTECTED FROM SILTATION BY INSTALLING FILTER FABRIC, CRUSHED STONE CHECK DAMS, EXCAVATED INLET PROTECTION AND/OR OTHER OWNER-APPROVED EROSION CONTROL MEASURES. CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL A NOTICE OF TERMINATION HAS BEEN ACCEPTED BY NYSDEC.
16. ALL DISTURBED AREAS THAT WILL NOT BE WORKED WITHIN 14 DAYS MUST BE SEEDED WITHIN 7 DAYS.
17. ALL DISTURBED AND CONSTRUCTED SLOPE AREAS SHALL BE SEEDED IMMEDIATELY AFTER CONSTRUCTION HAS BEEN COMPLETED.
18. THE CONTRACTOR SHALL SWEEP STREETS WEEKLY OR MORE FREQUENTLY AS REQUIRED TO KEEP STREETS FREE OF DEBRIS AND SEDIMENT.
19. CONTRACTOR TO CLEAN/FLUSH STORM SEWER (SEE SWPPP FOR FLUSHING PROCEDURE) BEFORE ACCEPTANCE BY THE OWNER'S Q.C. REPRESENTATIVE OR AS REQUIRED.
20. THE DESIGN PLANS HAVE BEEN PREPARED AS THE MINIMUM REQUIREMENTS FOR EROSION AND SEDIMENT CONTROL. BASED ON FIELD CONDITIONS, THE CONTRACTOR MAY BE REQUIRED TO PROVIDE ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES ON A SITE- SPECIFIC BASIS.
21. ADDITIONAL EROSION CONTROL MEASURES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE MEASURES MAY HAVE TO BE ALTERED DUE TO EVER-CHANGING SITE CONDITIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION AND SEDIMENT CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES OF CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION CONTROL DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE OWNER IMMEDIATELY.
22. ANY FAILURE OF EROSION CONTROL DEVICES FOR ANY REASON SHALL BE REPORTED TO THE OWNER IMMEDIATELY.
23. ALL SLOPES 3:1 OR GREATER SHALL RECEIVE EROSION CONTROL BLANKET MATTING AS OUTLINED IN THE SWPPP.
24. THE STOCKPILED TOPSOIL SHALL BE SPREAD TO A 4" THICKNESS TO BRING THE SITE TO FINISHED GRADE ELEVATIONS IN ALL AREAS TO BE SEEDED IN THE FINAL SITE CONDITION.
25. NO CUT OR FILL OF OVER 1' SHALL BE MADE IN AREAS OF LEACH FIELD INSTALLATIONS.



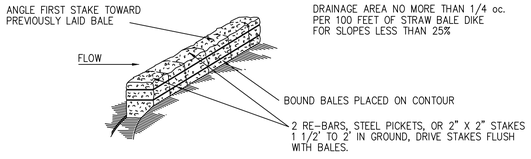
CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SILT FENCE DETAIL
N.T.S.



BEDDING DETAIL

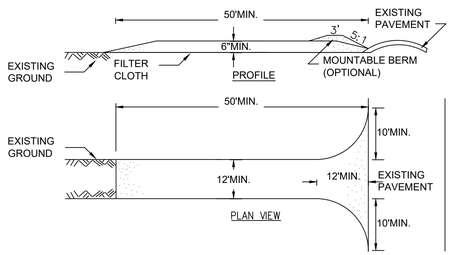


ANCHORING DETAIL

CONSTRUCTION SPECIFICATIONS

1. BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
4. INSPECTION SHALL BE FREQUENT REPAIR AND/OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

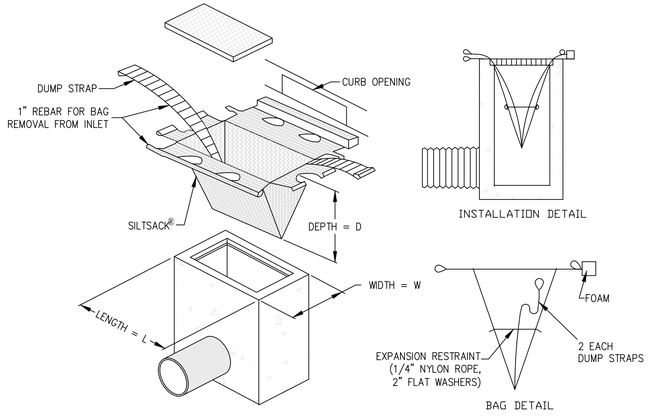
HAY BALE DETAIL N.T.S.



CONSTRUCTION SPECIFICATIONS

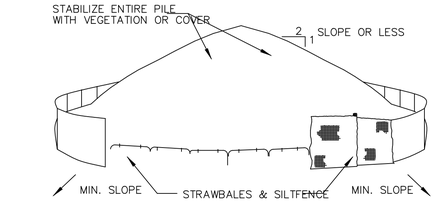
1. STONE SIZE – USE 1-4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH – NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS – NOT LESS THAN SIX (6) INCHES.
4. WIDTH – TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. GEOTEXTILE – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CON-STRUCTION ACCESS SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ACCESS DETAIL
N.T.S.



NOTE:
1. CONTRACTOR IS TO CLEAN INLET FILTER AFTER EVERY STORM.
2. CONTRACTOR SHALL REMOVE FABRIC JUST PRIOR TO PAVING.
3. INLET FILTERS SHALL BE "SILTSACK" AS MANUFACTURED BY ATLANTIC CONSTRUCTION FABRICS OR APPROVED EQUAL. THE FILTER SHALL HAVE SEAMS DOUBLE STITCHED, AND A PERMEABILITY OF 40 GAL./MIN: /SQ.FT.

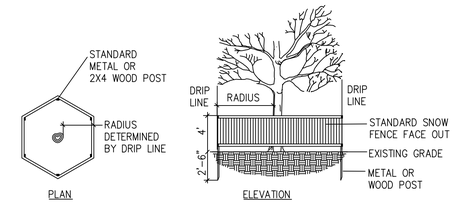
INLET FILTER DETAIL
N.T.S.



INSTALLATION NOTES

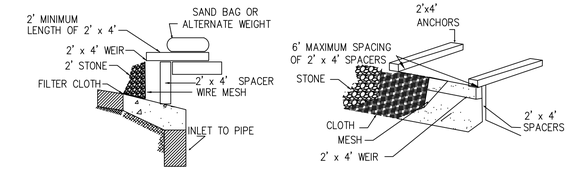
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
3. UPON COMPLETION OF STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING AND STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.

TEMPORARY STOCKPILE AREA DETAIL
N.T.S.



NOTE:
1. THE INTENT IS TO PROTECT THE TREE ROOT SYSTEM. THIS MAY REQUIRE A LARGER FENCE RADIUS IN SPECIAL SITUATIONS.
2. USE THIS FENCE AND POST SPACING FOR ANY LINEAR PROTECTIVE FENCING INDICATED ON THE PLAN.
3. *SILT FENCE IS AN ACCEPTABLE ALTERNATIVE.
4. SIMILAR METHODS TO BE IMPLEMENTED FOR LIGHT POLE AND FIRE HYDRANT PROTECTION AS SHOWN ON PLANS/OR AS NEEDED

TREE PROTECTION DETAIL
N.T.S.



CONSTRUCTION SPECIFICATIONS

1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85.
2. WOODEN FRAME SHALL BE CONSTRUCTED OF 2' x 4' CONSTRUCTION GRADE LUMBER.
3. WIRE MESH ACROSS THROAT SHALL BE A CONTINUOUS PIECE 30 INCH MINIMUM WIDTH WITH A LENGTH 4 FEET LONGER THAN THE THROAT. IT SHALL BE SHAPED AND SECURELY NAILED TO 2' x 4' WEIR.
4. THE WEIR SHALL BE SECURELY NAILED TO 2' x 4' SPACERS 9 INCHES LONG SPACED NO MORE THAN 6 FEET APART.
5. THE ASSEMBLY SHALL BE PLACED AGAINST THE INLET AND SECURED BY 2' x 4' ANCHORS 2 FEET LONG EXTENDING ACROSS THE TOP OF THE INLET AND HELD IN PLACE BY SANDBAGS OR ALTERNATE WEIGHTS.

CURB DROP INLET FILTER DETAIL
N.T.S.

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 1003
NEW YORK, NY 10004
PHONE: (646)576-4034

DRAFT 100% NOT FOR CONSTRUCTION

ANDES
Andes Consulting Engineering & Surveying, pllc
234 Hancox Avenue, Nutley, NJ 07110
(626)727-0656
www.andesces.com

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

EAST ROCKAWAY HIGH SCHOOL/
LISTER PARK PROJECT

EROSION CONTROL DETAILS AND NOTES

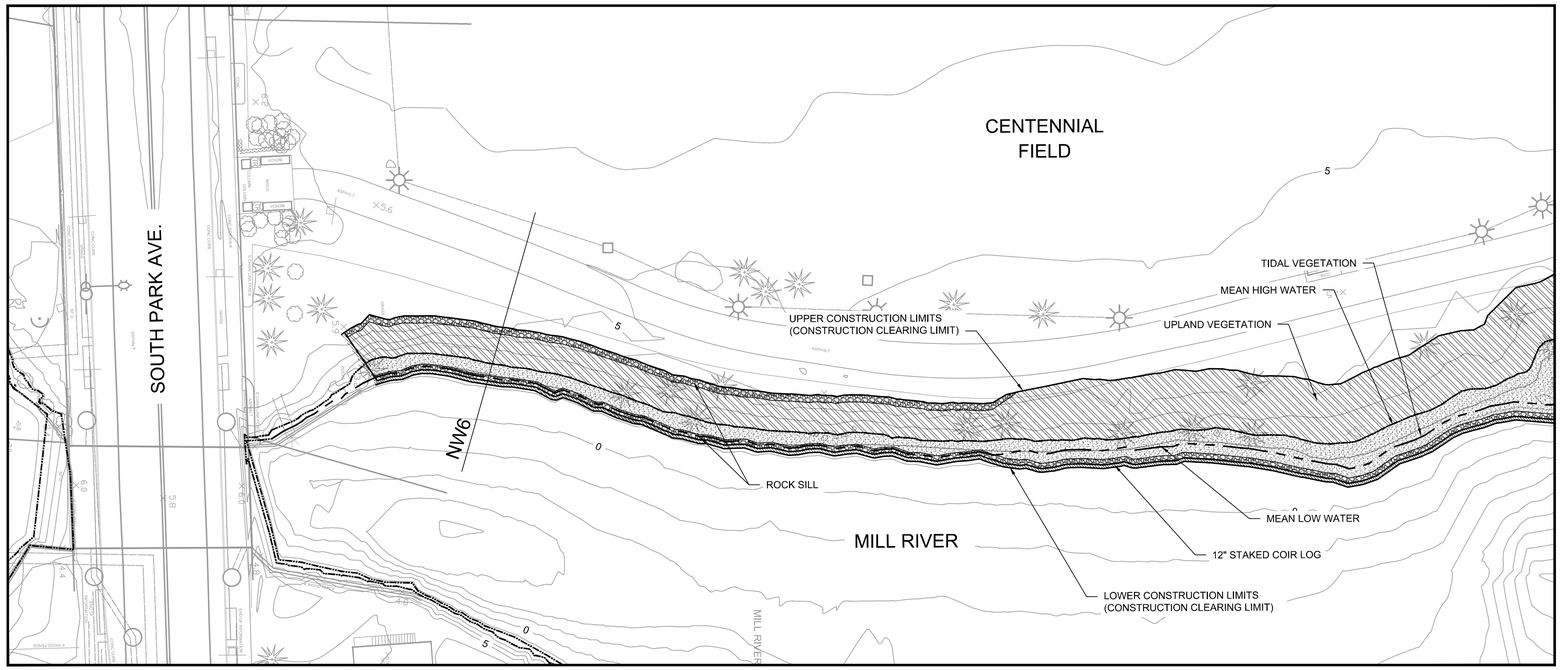
Project No.:	200-89763-18003
Designed By:	JL
Drawn By:	JW
Checked By:	JW,JL

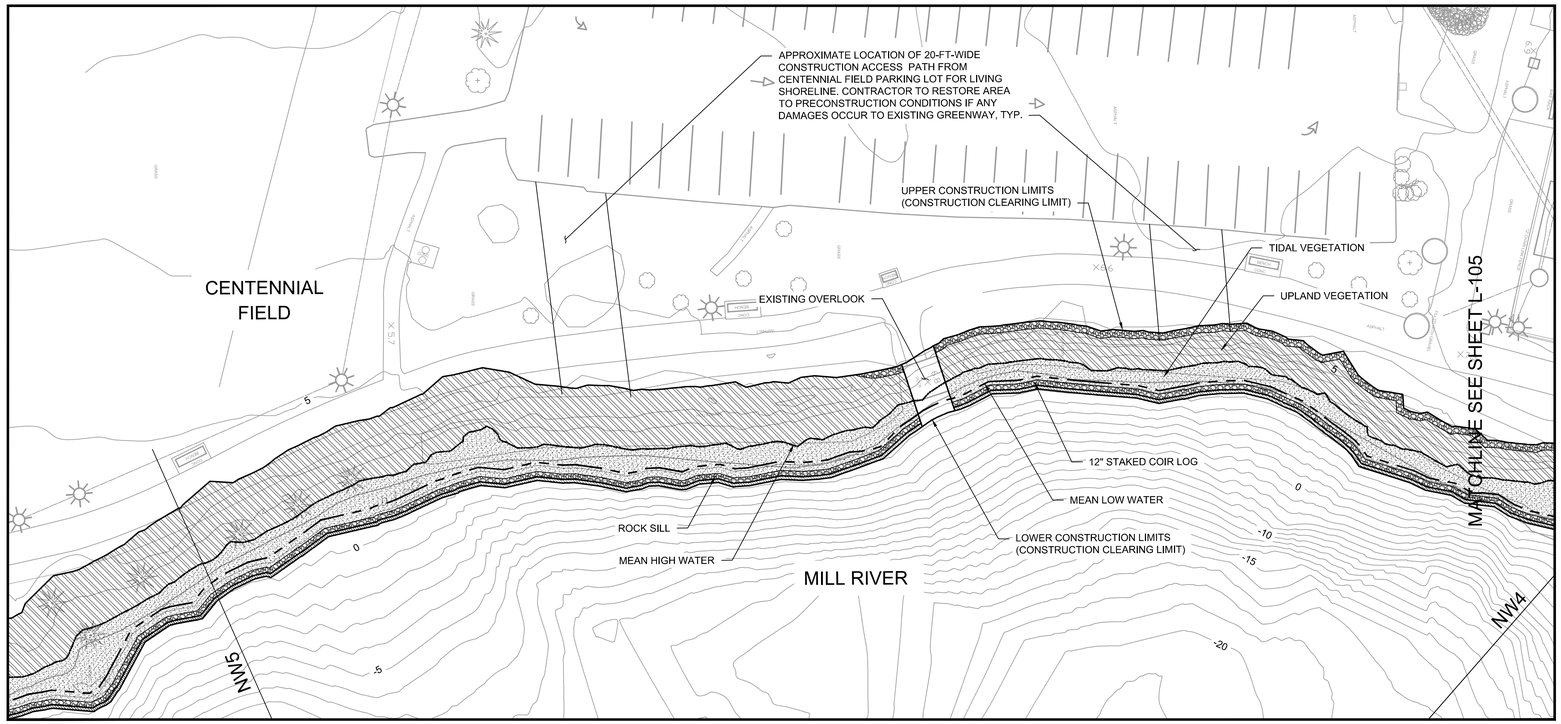
C-306
1

Copyright: Tetra Tech

Bar Measures 1 inch

1/19/2020 12:08:34 PM - D:\ANDESCES\A014-TETRATECH_LISTER & TIGHE-IDW\GIC\CIVIL\C-301-302_304_SIE.DWG - ACES





PLANTING NOTES

1. ROCK SILLS WILL BE CONTINUOUS THROUGHOUT THE AREA AS SHOWN ON THE PLANS, EXCEPT IN THE VICINITY OF STABILIZED AND PRESERVED TREES. CONTRACTOR SHALL MAINTAIN AN UNDISTURBED BUFFER AROUND THE TREE THAT IS DEFINED BY THE LIMITS OF ITS DRIP LINE OR A MINIMUM OF 20 FEET FROM THE TRUNK, WHICHEVER IS LARGER, AROUND TREES MARKED TO REMAIN. AREAS WITH EXPOSED ROOTS AROUND TREES MARKED TO PRESERVE SHALL BE LIMITED TO 3 INCHES OF SOIL PLACEMENT OVER ROOTS. TREES MARKED AS STABILIZED MAY REQUIRE ADDITIONAL BACKFILLING UNDERNEATH THE ROOT STRUCTURE FOR SUPPORT.
2. SOIL PLACEMENT OVER EXISTING TREE ROOTS SHOULD BE LIMITED TO A MAXIMUM OF 3 INCHES. SOILS WITH LOAMY TEXTURE AND GOOD STRUCTURE SHOULD BE USED.
3. SEE NOTES ON CROSS SECTIONS FOR DETAILS OF SHRUBS.

LEGEND

- MEAN HIGH WATER (+2.0 ft NAVD)
- MEAN LOW WATER (+1.3 ft NAVD)
- ROCK SILL
- COIR LOG WITH SCIRPUS CYPERICUS AT 36" O.C.
- UPLAND VEGETATION
- TIDAL VEGETATION

0 10 20 40
SCALE: 1"=20'

THIS SHEET

0 10 20 40
SCALE: 1"=20'

TETRA TECH
www.tetratech.com
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

LISTER PARK PROJECT

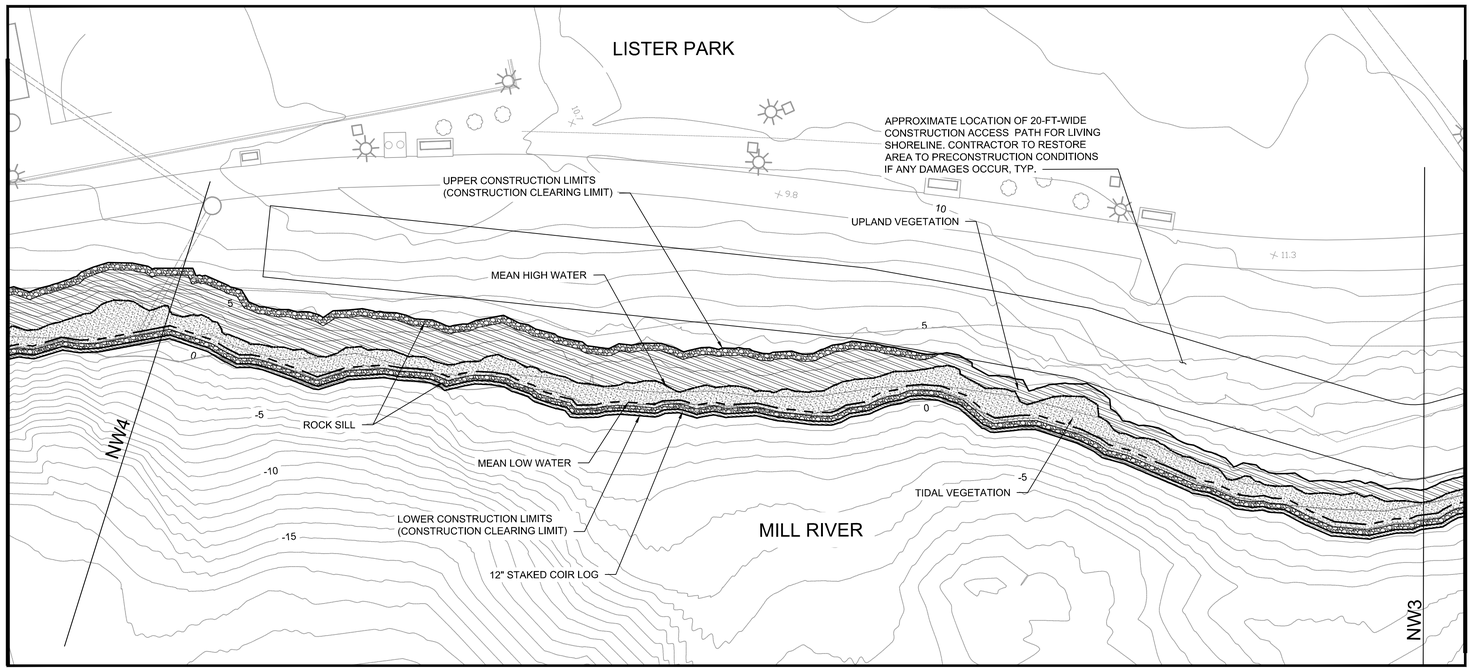
LIVING SHORELINE PLAN VIEW
NORTHWEST (1 OF 2)

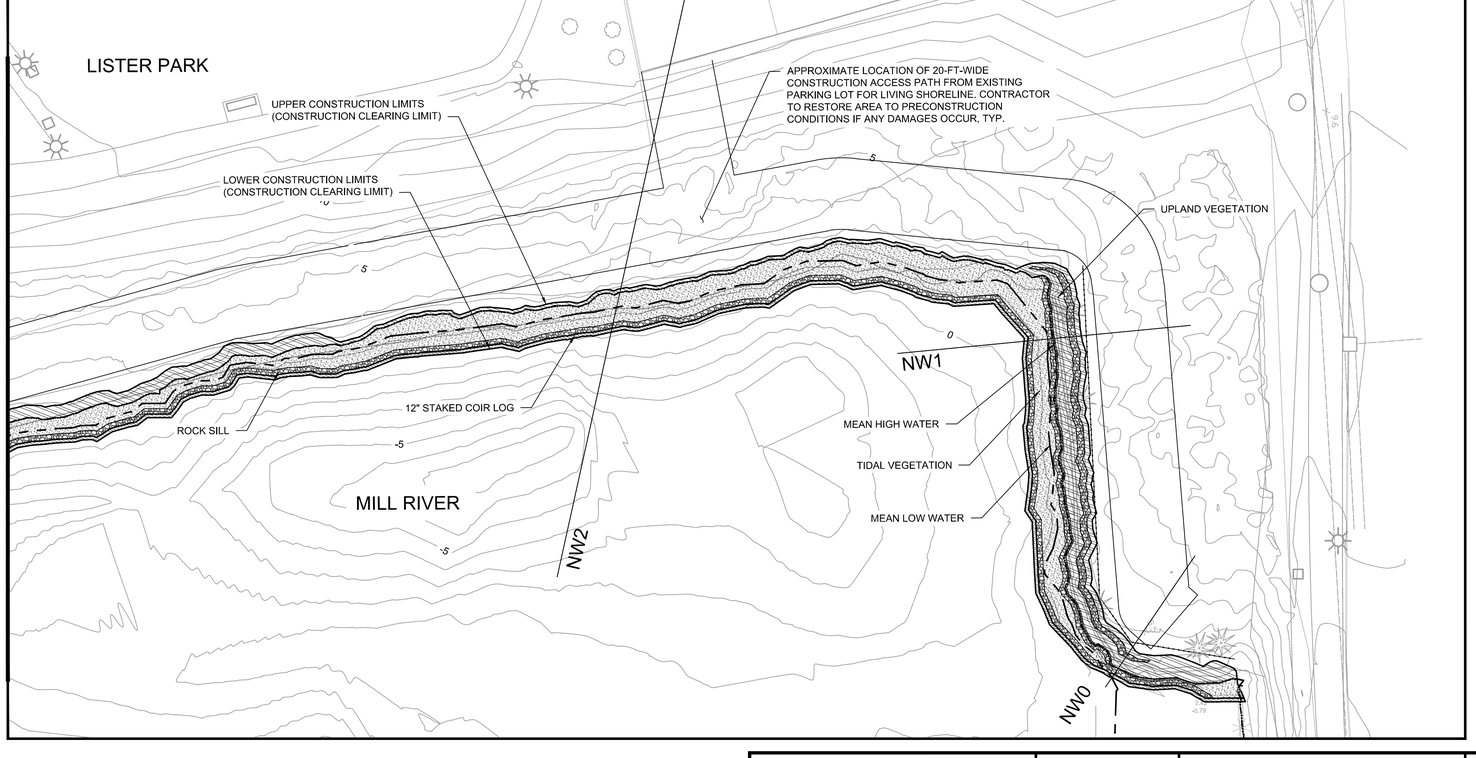
Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

C-401

Copyright Tetra Tech

6/26/2020 1:36:11 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTRE\C-401 LIVING SHORELINE.DWG - CABRERA, CHRISTIAN





PLANTING NOTES

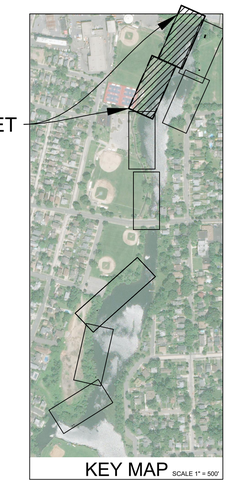
1. ROCK SILLS WILL BE CONTINUOUS THROUGHOUT THE AREA AS SHOWN ON THE PLANS, EXCEPT IN THE VICINITY OF STABILIZED AND PRESERVED TREES. CONTRACTOR SHALL MAINTAIN AN UNDISTURBED BUFFER AROUND THE TREE THAT IS DEFINED BY THE LIMITS OF ITS DRIP LINE OR A MINIMUM OF 20 FEET FROM THE TRUNK, WHICHEVER IS LARGER, AROUND TREES MARKED TO REMAIN. AREAS WITH EXPOSED ROOTS AROUND TREES MARKED TO PRESERVE SHALL BE LIMITED TO 3 INCHES OF SOIL PLACEMENT OVER ROOTS. TREES MARKED AS STABILIZED MAY REQUIRE ADDITIONAL BACKFILLING UNDERNEATH THE ROOT STRUCTURE FOR SUPPORT.
2. SOIL PLACEMENT OVER EXISTING TREE ROOTS SHOULD BE LIMITED TO A MAXIMUM OF 3 INCHES. SOILS WITH LOAMY TEXTURE AND GOOD STRUCTURE SHOULD BE USED.
3. SEE NOTES ON CROSS SECTIONS FOR DETAILS OF SHRUBS.

LEGEND

- MEAN HIGH WATER (+2.0 ft NAVD)
- MEAN LOW WATER (+1.3 ft NAVD)
- ROCK SILL
- COIR LOG WITH SCIRPUS CYPERICUS AT 36" O.C.
- UPLAND VEGETATION
- TIDAL VEGETATION

0 10 20 40
SCALE: 1"=20'

THIS SHEET



0 10 20 40
SCALE: 1"=20'

THE LIVING SHORELINE WORK REPRESENTED BY CROSS-SECTION NW1 RESULTS IN APPROXIMATELY 20 CUBIC YARDS OF CUT LANDWARD OF MHW (REFER TO DRAWING C-406 FOR CROSS-SECTION PROFILE

TETRA TECH
www.tetratech.com
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

LISTER PARK PROJECT

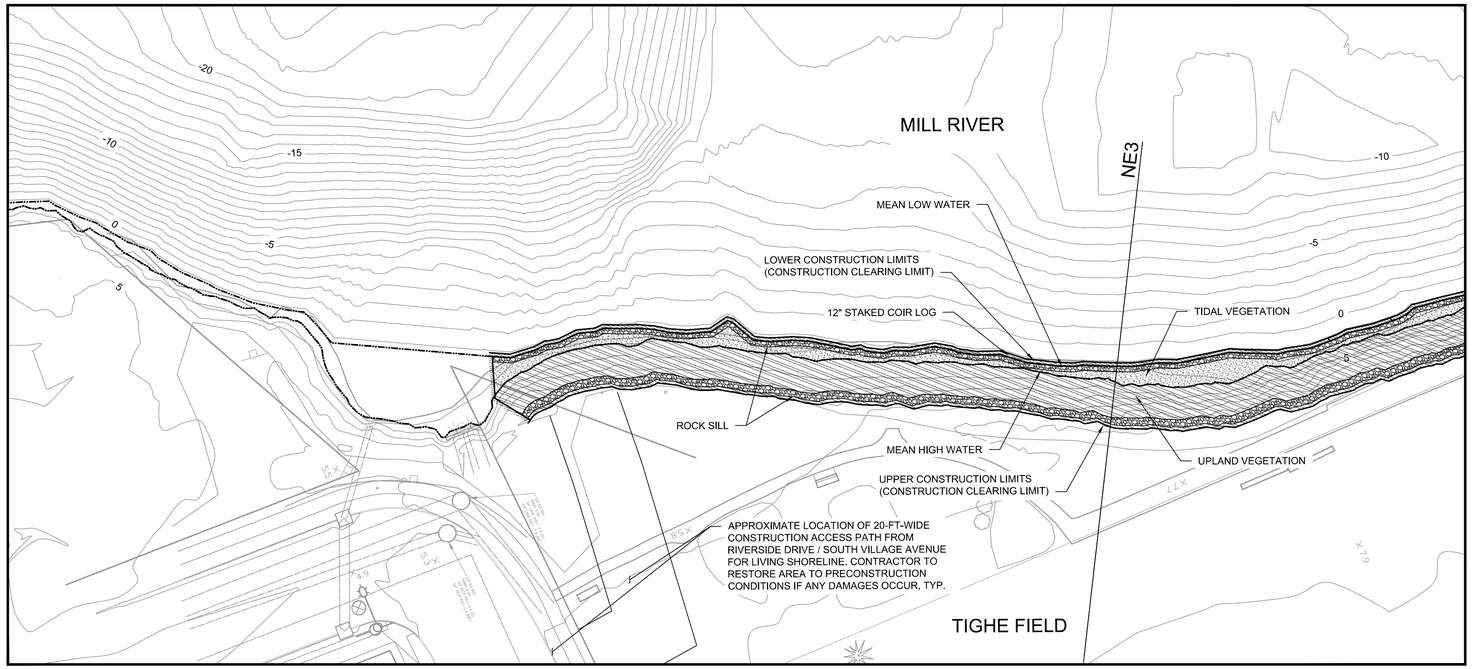
LIVING SHORELINE PLAN VIEW
NORTHWEST (2 OF 2)

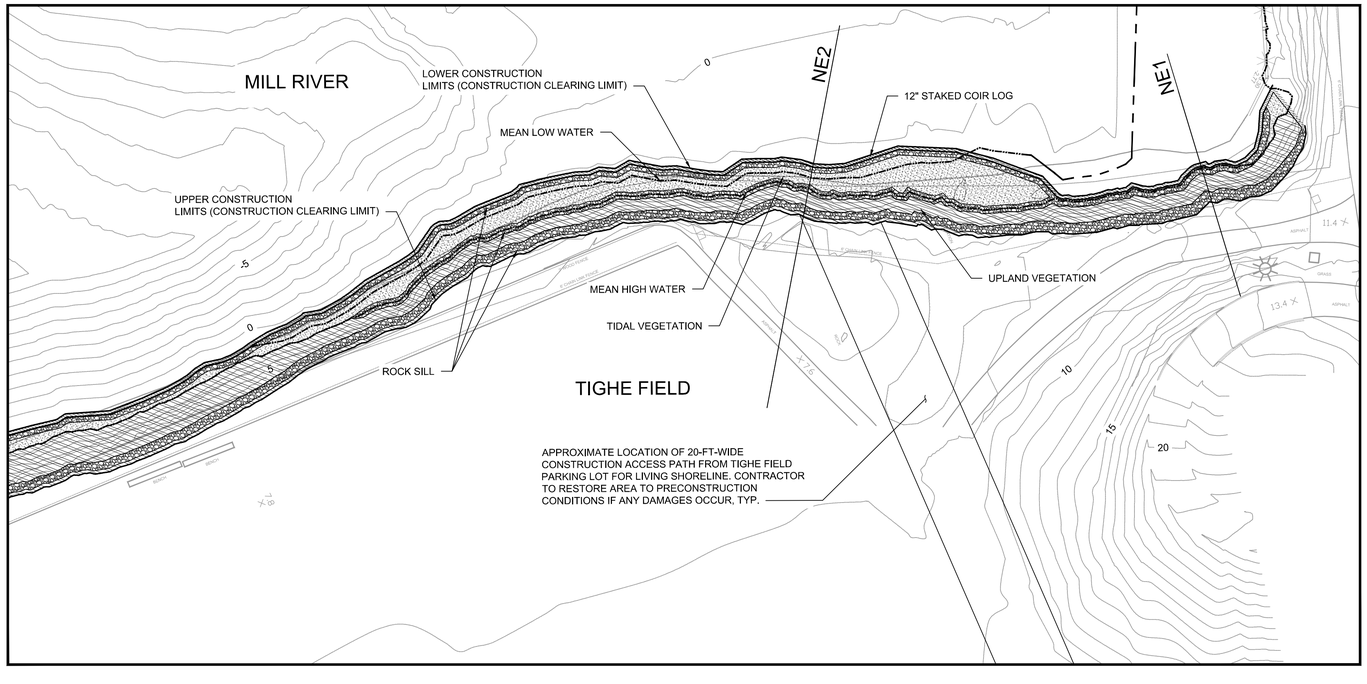
Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

C-402

Copyright: Tetra Tech

6/26/2020 1:37:15 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTRE\C-401 LIVING SHORELINE.DWG - CABRERA, CHRISTIAN





PLANTING NOTES

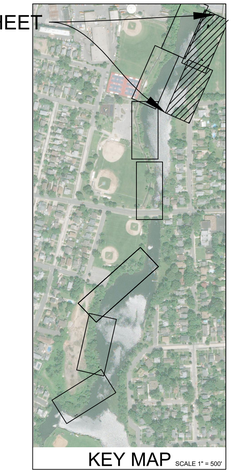
1. ROCK SILLS WILL BE CONTINUOUS THROUGHOUT THE AREA AS SHOWN ON THE PLANS, EXCEPT IN THE VICINITY OF STABILIZED AND PRESERVED TREES. CONTRACTOR SHALL MAINTAIN AN UNDISTURBED BUFFER AROUND THE TREE THAT IS DEFINED BY THE LIMITS OF ITS DRIP LINE OR A MINIMUM OF 20 FEET FROM THE TRUNK, WHICHEVER IS LARGER, AROUND TREES MARKED TO REMAIN. AREAS WITH EXPOSED ROOTS AROUND TREES MARKED TO PRESERVE SHALL BE LIMITED TO 3 INCHES OF SOIL PLACEMENT OVER ROOTS. TREES MARKED AS STABILIZED MAY REQUIRE ADDITIONAL BACKFILLING UNDERNEATH THE ROOT STRUCTURE FOR SUPPORT.
2. SOIL PLACEMENT OVER EXISTING TREE ROOTS SHOULD BE LIMITED TO A MAXIMUM OF 3 INCHES. SOILS WITH LOAMY TEXTURE AND GOOD STRUCTURE SHOULD BE USED.
3. SEE NOTES ON CROSS SECTIONS FOR DETAILS OF SHRUBS.

LEGEND

- MEAN HIGH WATER (+2.0 ft NAVD)
- MEAN LOW WATER (+1.3 ft NAVD)
- ROCK SILL
- COIR LOG WITH SCIRPUS CYPERICUS AT 36" O.C.
- UPLAND VEGETATION
- TIDAL VEGETATION

0 10 20 40
SCALE: 1"=20'

THIS SHEET



KEY MAP SCALE 1" = 500'

THE LIVING SHORELINE WORK REPRESENTED BY CROSS-SECTION NE2 RESULTS IN APPROXIMATELY 15 CUBIC YARDS OF CUT LANDWARD OF MHW (REFER TO DRAWING C-406 FOR CROSS-SECTION PROFILE

0 10 20 40
SCALE: 1"=20'

TETRA TECH
www.tetratech.com
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

LISTER PARK PROJECT

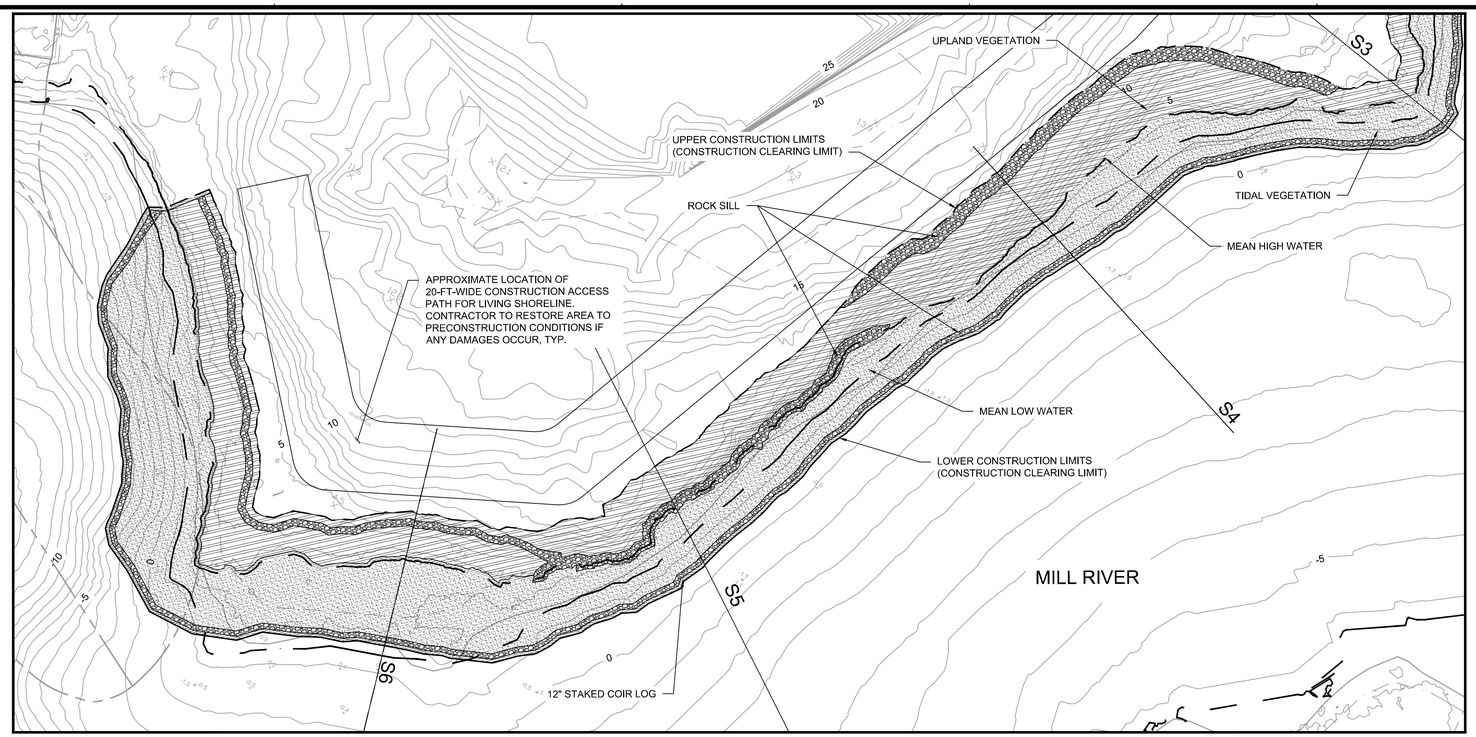
LIVING SHORELINE PLAN VIEW
NORTHEAST

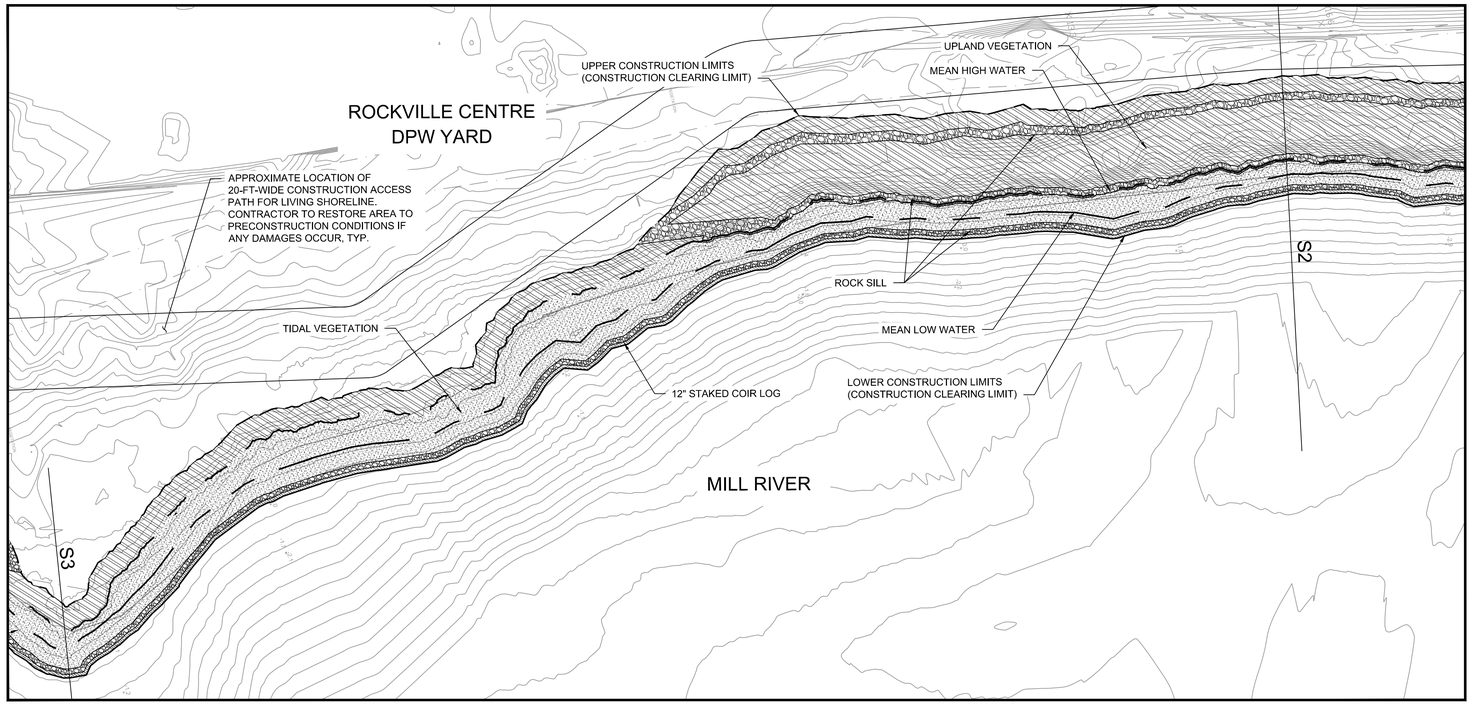
Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

C-403

Copyright: Tetra Tech

6/26/2020 1:38:20 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTRE\C-401 LIVING SHORELINE.DWG - CABRERA, CHRISTIAN





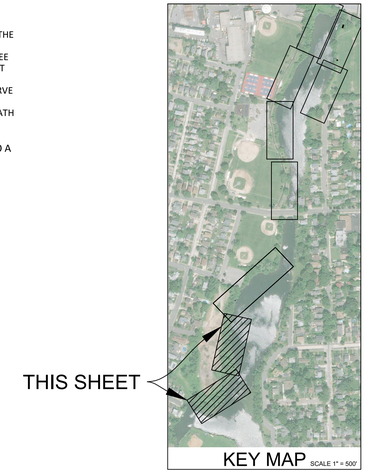
PLANTING NOTES

1. ROCK SILLS WILL BE CONTINUOUS THROUGHOUT THE AREA AS SHOWN ON THE PLANS, EXCEPT IN THE VICINITY OF STABILIZED AND PRESERVED TREES. CONTRACTOR SHALL MAINTAIN AN UNDISTURBED BUFFER AROUND THE TREE THAT IS DEFINED BY THE LIMITS OF ITS DRIP LINE OR A MINIMUM OF 20 FEET FROM THE TRUNK, WHICHEVER IS LARGER, AROUND TREES MARKED TO REMAIN. AREAS WITH EXPOSED ROOTS AROUND TREES MARKED TO PRESERVE SHALL BE LIMITED TO 3 INCHES OF SOIL PLACEMENT OVER ROOTS. TREES MARKED AS STABILIZED MAY REQUIRE ADDITIONAL BACKFILLING UNDERNEATH THE ROOT STRUCTURE FOR SUPPORT.
2. SOIL PLACEMENT OVER EXISTING TREE ROOTS SHOULD BE LIMITED TO A MAXIMUM OF 3 INCHES. SOILS WITH LOAMY TEXTURE AND GOOD STRUCTURE SHOULD BE USED.
3. SEE NOTES ON CROSS SECTIONS FOR DETAILS OF SHRUBS.

LEGEND

- MEAN HIGH WATER (+2.7 ft NAVD)
- MEAN LOW WATER (+1.3 ft NAVD)
- ROCK SILL
- COIR LOG WITH SCIRPUS CYPERICUS AT 36" O.C.
- UPLAND VEGETATION
- TIDAL VEGETATION

0 10 20 40
SCALE: 1"=20'



THE LIVING SHORELINE WORK REPRESENTED BY CROSS-SECTIONS S2, S4, AND S5 RESULTS IN APPROXIMATELY 325 CUBIC YARDS OF CUT LANDWARD OF MHW (REFER TO DRAWING C-407 FOR CROSS-SECTION PROFILE

0 10 20 40
SCALE: 1"=20'

TETRA TECH
www.tetratech.com
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

LISTER PARK PROJECT

LIVING SHORELINE PLAN VIEW
SOUTH (1 OF 2)

Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

C-404

Copyright: Tetra Tech

6/26/2020 1:39:19 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTRE\C-401 LIVING SHORELINE.DWG - CABRERA, CHRISTIAN

PLANTING NOTES

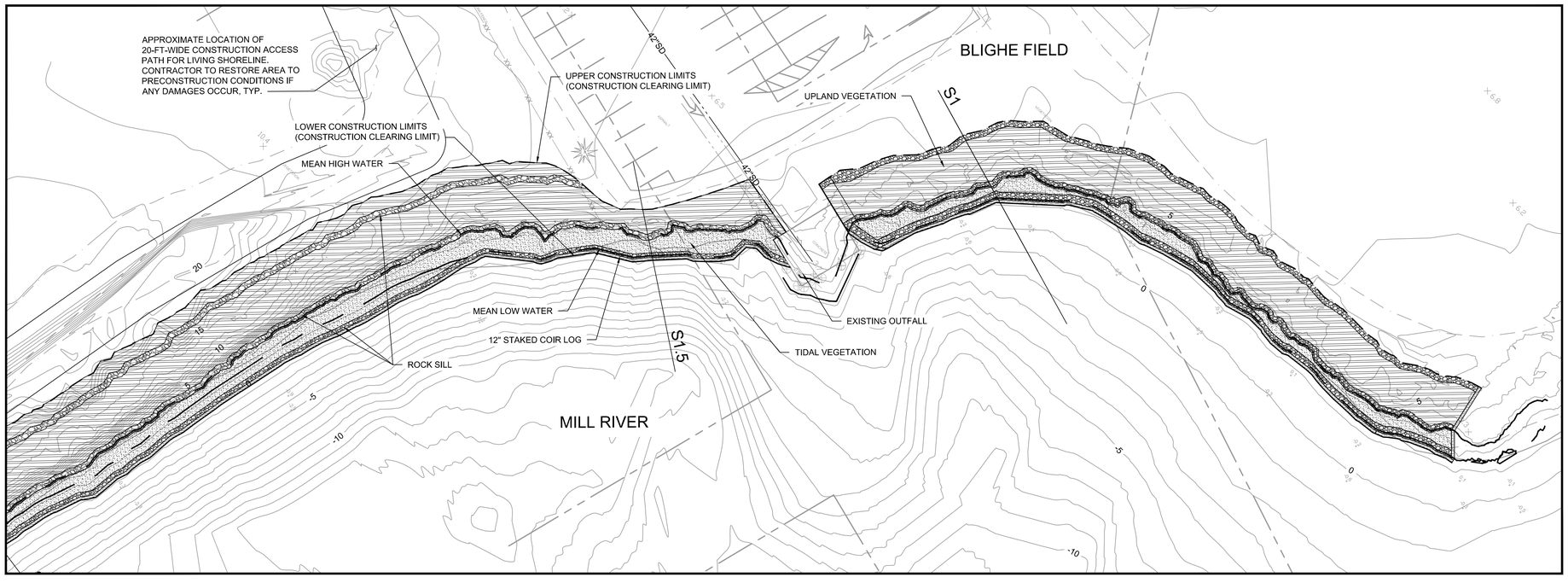
1. ROCK SILLS WILL BE CONTINUOUS THROUGHOUT THE AREA AS SHOWN ON THE PLANS, EXCEPT IN THE VICINITY OF STABILIZED AND PRESERVED TREES. CONTRACTOR SHALL MAINTAIN AN UNDISTURBED BUFFER AROUND THE TREE THAT IS DEFINED BY THE LIMITS OF ITS DRIP LINE OR A MINIMUM OF 20 FEET FROM THE TRUNK, WHICHEVER IS LARGER, AROUND TREES MARKED TO REMAIN. AREAS WITH EXPOSED ROOTS AROUND TREES MARKED TO PRESERVE SHALL BE LIMITED TO 3 INCHES OF SOIL PLACEMENT OVER ROOTS. TREES MARKED AS STABILIZED MAY REQUIRE ADDITIONAL BACKFILLING UNDERNEATH THE ROOT STRUCTURE FOR SUPPORT.
2. SOIL PLACEMENT OVER EXISTING TREE ROOTS SHOULD BE LIMITED TO A MAXIMUM OF 3 INCHES. SOILS WITH LOAMY TEXTURE AND GOOD STRUCTURE SHOULD BE USED.
3. SEE NOTES ON CROSS SECTIONS FOR DETAILS OF SHRUBS.

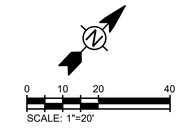
LEGEND

- MEAN HIGH WATER (+2.7 ft NAVD)
- MEAN LOW WATER (+1.3 ft NAVD)
- ROCK SILL
- COIR LOG WITH SCIRPUS CYPERICUS AT 36" O.C.
- UPLAND VEGETATION
- TIDAL VEGETATION

THIS SHEET

KEY MAP SCALE 1" = 500'





TETRA TECH
www.tetratech.com
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

LISTER PARK PROJECT

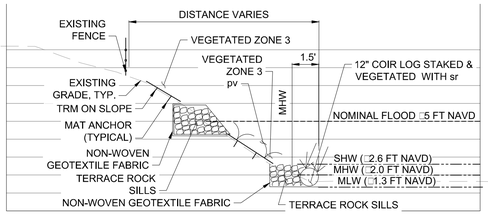
LIVING SHORELINE PLAN VIEW
SOUTH (2 OF 2)

Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

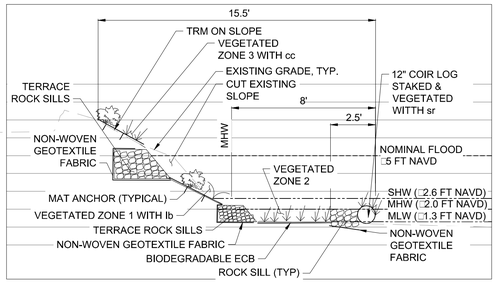
C-405

Copyright: Tetra Tech

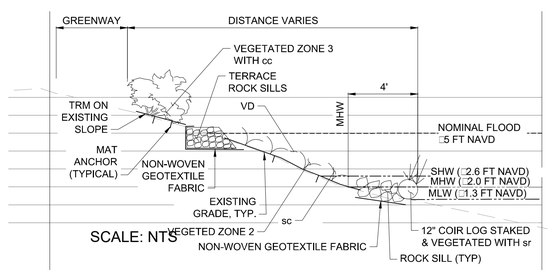
6/26/2020 1:40:09 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTRE\C-401 LIVING SHORELINE.DWG - CABRERA, CHRISTIAN



NE1 - NORTH-EAST LIVING SHORELINE CROSS SECTION
SCALE: NTS

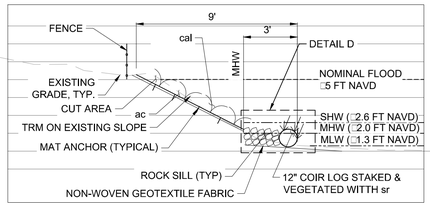


NE2 - NORTH-EAST LIVING SHORELINE CROSS SECTION
SCALE: NTS

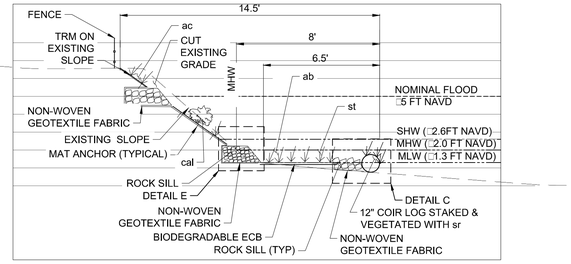


SCALE: NTS

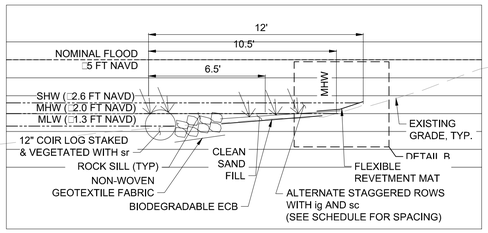
NE3 - NORTH-EAST LIVING SHORELINE CROSS SECTION
SCALE: NTS



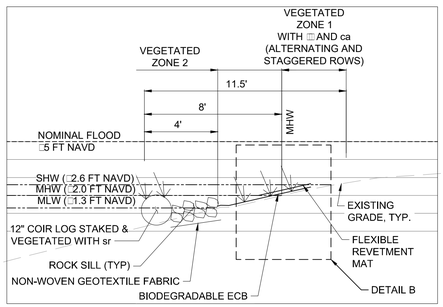
NW0 - NORTH-WEST LIVING SHORELINE CROSS SECTION
SCALE: NTS



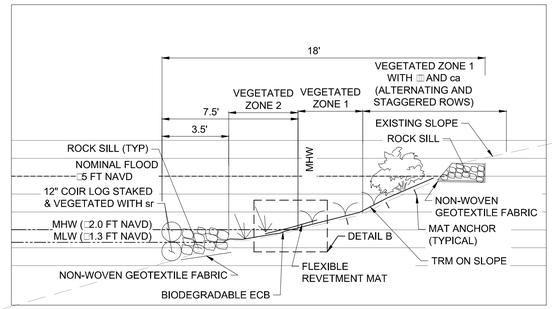
NW1 - NORTH-WEST LIVING SHORELINE CROSS SECTION
SCALE: NTS



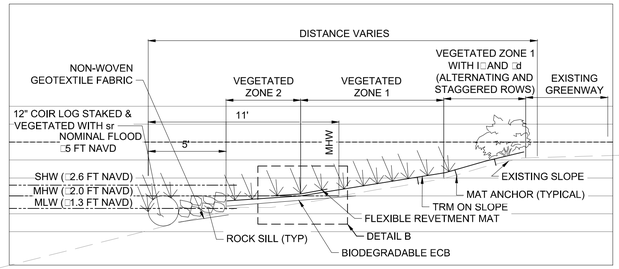
NW2 - NORTH-WEST LIVING SHORELINE CROSS SECTION
SCALE: NTS



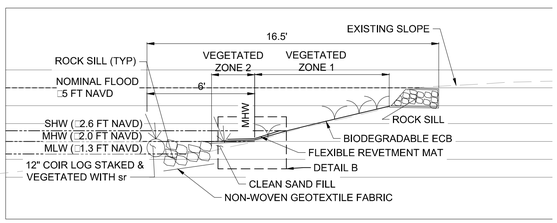
NW3 - NORTH-WEST LIVING SHORELINE CROSS SECTION
SCALE: NTS



NW4 - NORTH-WEST LIVING SHORELINE CROSS SECTION
SCALE: NTS



NW5 - NORTH-WEST LIVING SHORELINE CROSS SECTION
SCALE: NTS



NW6 - NORTH-WEST LIVING SHORELINE CROSS SECTION
SCALE: NTS

NOTE:
1) REFER TO LANDSCAPING PLANS FOR PLANTS / TREE TYPES

0 2 4 8
SCALE: 1"=4'

TETRA TECH
www.tetratech.com
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY
LISTER PARK PROJECT

LIVING SHORELINE
NORTHERN CROSS-SECTIONS

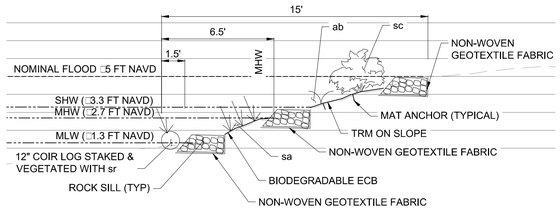
Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

C-406

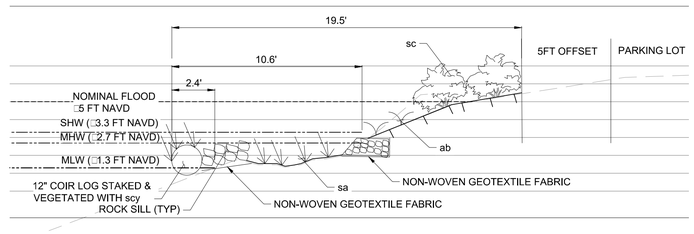
Copyright: Tetra Tech

Bar Measures 1 inch

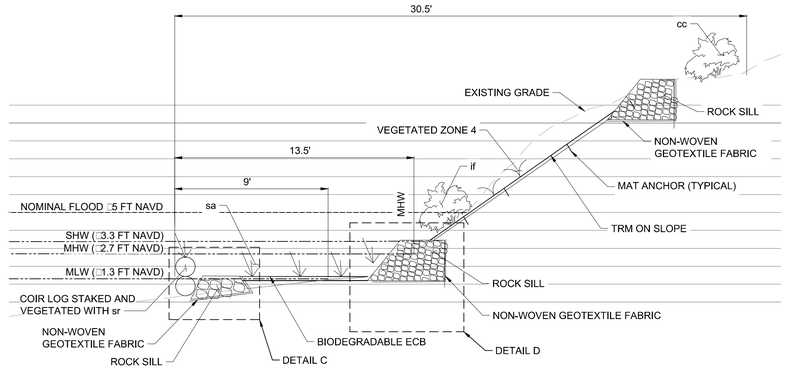
6/26/2020 1:45:01 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTRE\C-403 - LIVING SHORELINE - CROSS SECTIONS.DWG - CABRERA, CHRISTIAN



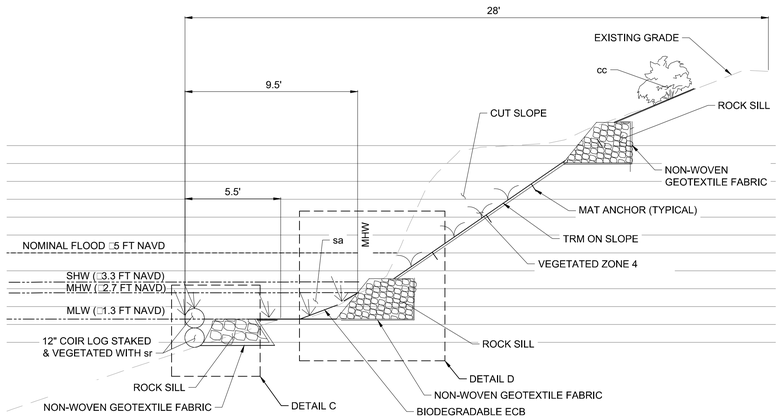
S1 SOUTHERN LIVING SHORELINE CROSS SECTION
SCALE: NTS



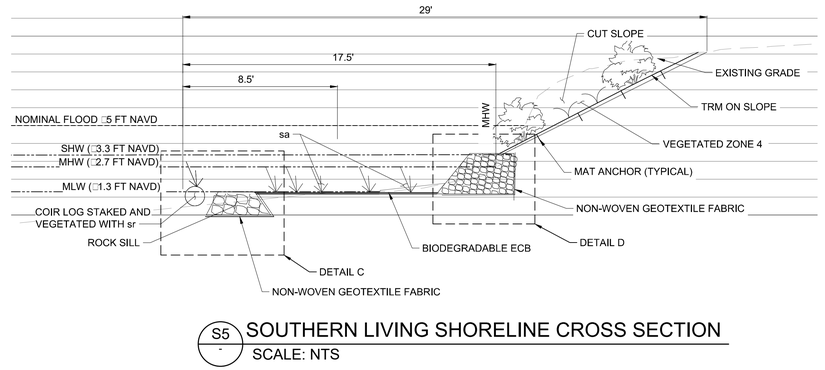
S1A SOUTHERN LIVING SHORELINE CROSS SECTION
SCALE: NTS



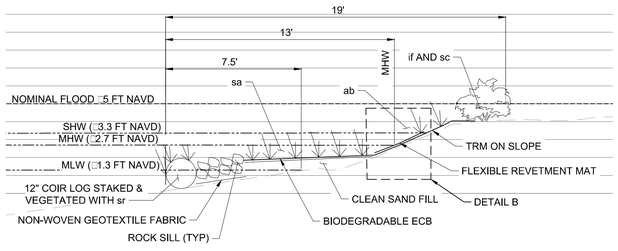
S4 SOUTHERN LIVING SHORELINE CROSS SECTION
SCALE: NTS



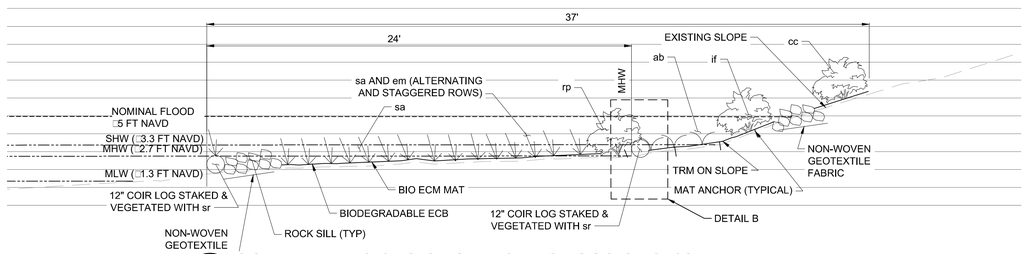
S2 SOUTHERN LIVING SHORELINE CROSS SECTION
SCALE: NTS



S5 SOUTHERN LIVING SHORELINE CROSS SECTION
SCALE: NTS



S3 SOUTHERN LIVING SHORELINE CROSS SECTION
SCALE: NTS



S6 SOUTHERN LIVING SHORELINE CROSS SECTION
SCALE: NTS

NOTE:
1) REFER TO LANDSCAPING PLANS FOR PLANTS / TREE TYPES

0 2 4 8
SCALE: 1"=4'

TETRA TECH
www.tetratech.com
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY
LISTER PARK PROJECT

LIVING SHORELINE
SOUTHERN CROSS-SECTIONS

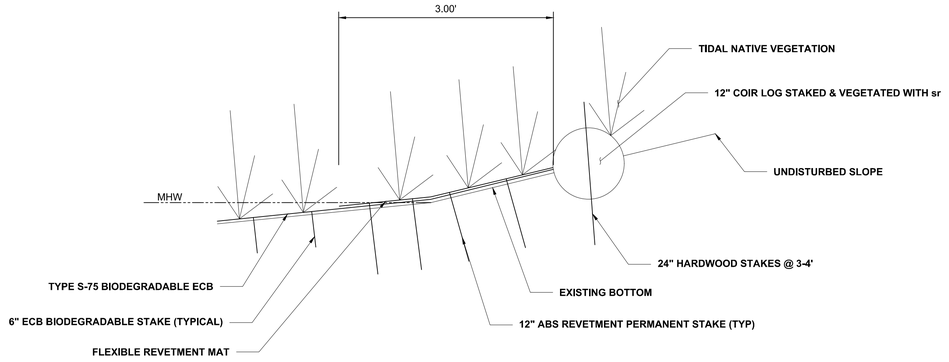
Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

C-407

Copyright Tetra Tech

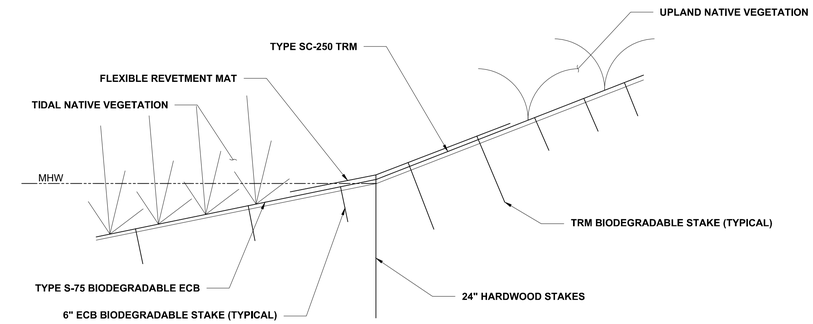
Bar Measures 1 inch

6/26/2020 1:46:11 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTREIC-403 - LIVING SHORELINE - CROSS SECTIONS.DWG - CABRERA, CHRISTIAN



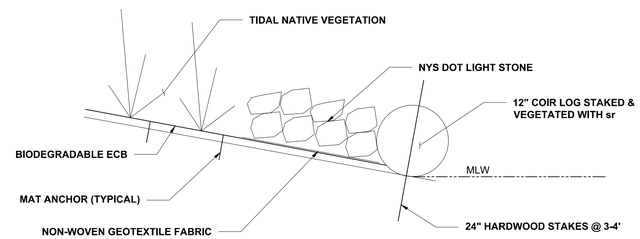
A DETAIL A: REVETMENT MAT
SCALE: 1":1'

NOTES:
1) FLEXIBLE REVETMENT MAT SHALL BE NORTH AMERICAN GREEN SHOREMAX MAT
2) SEE PLANTING SCHEDULE ON LANDSCAPING PLANS FOR TIDAL NATIVE PLANT TYPES AND SPACING
3) SEE ANCHOR PLAN FOR DETAILS OF STAKING FOR ECB AND FLEXIBLE REVETMENT



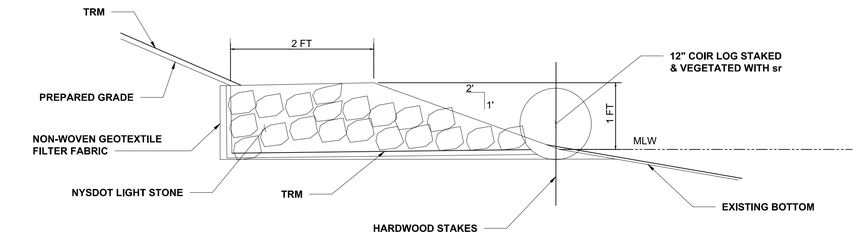
B DETAIL B: REVETMENT MAT
SCALE: 1":1'

NOTES:
1) FLEXIBLE REVETMENT MAT SHALL BE NORTH AMERICAN GREEN SHOREMAX MAT
2) SEE PLANTING SCHEDULE ON LANDSCAPING PLANS FOR TIDAL NATIVE PLANT TYPES AND SPACING
3) SEE ANCHOR PLAN FOR DETAILS OF STAKING FOR ECB, TRM AND FLEXIBLE REVETMENT

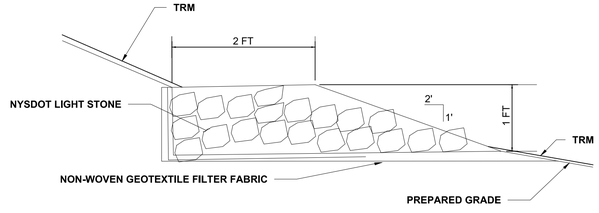


C DETAIL C: SILT BARRIER AT CREATED WETLANDS
SCALE: 1":1'

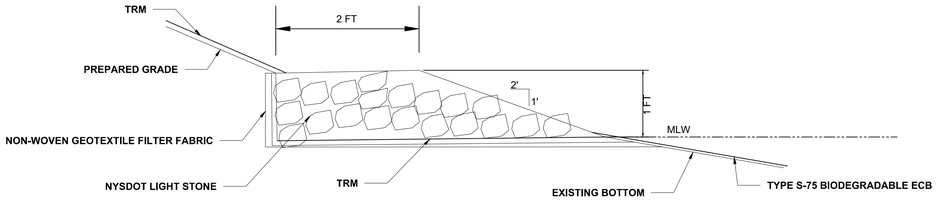
NOTES:
1) LOCATE AND ANCHOR COIR LOG SILT BARRIER BEFORE STARTING ANY OTHER WORK
2) FILTER FABRIC EXTENDS 6" BEYOND EDGE OF STONE
3) SEE PLANTING SCHEDULE ON LANDSCAPING PLANS FOR TYPE AND SPACING OF MARSH PLANTS
4) SEE ANCHORING PLAN (S-) FOR ECB STAKING DETAILS



D DETAIL D: STONE SILL
SCALE: 1":1'



TYP STONE SILL ON SLOPE TYP. SECTION
SCALE: 1":1'



E DETAIL E: STONE SILL
SCALE: 1":1'

0 0.5 1 2
SCALE: 1"=1'

TETRA TECH
www.tetratech.com
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

LISTER PARK PROJECT

LIVING SHORELINE
DETAIL SECTIONS

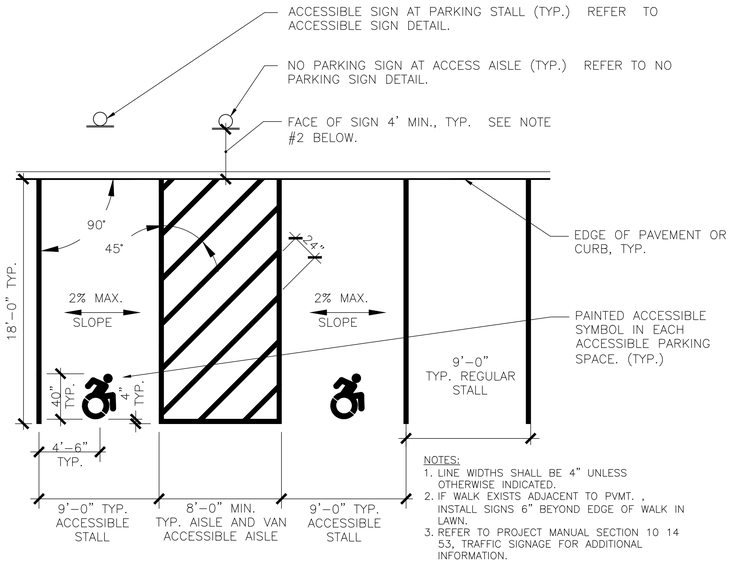
Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

C-408

Copyright: Tetra Tech

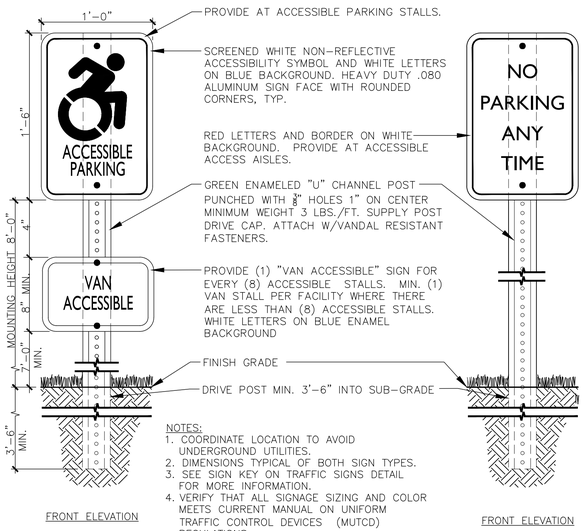
Bar Measures 1 inch

6/26/2020 1:47:29 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTRE\C-403 - LIVING SHORELINE - CROSS SECTIONS.DWG - CABRERA, CHRISTIAN



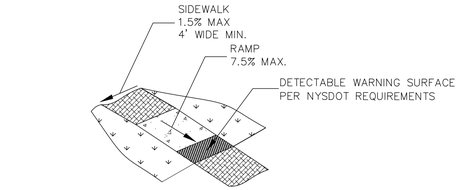
NOTES:
1. LINE WIDTHS SHALL BE 4" UNLESS OTHERWISE INDICATED.
2. IF WALK EXISTS ADJACENT TO PVMT. , INSTALL SIGNS 6" BEYOND EDGE OF WALK IN LAWN.
3. REFER TO PROJECT MANUAL SECTION 10 14 53, TRAFFIC SIGNAGE FOR ADDITIONAL INFORMATION.

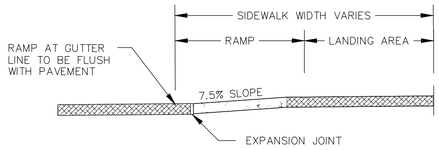
ACCESSIBLE PARKING DETAIL
N.T.S.



NOTES:
1. COORDINATE LOCATION TO AVOID UNDERGROUND UTILITIES.
2. DIMENSIONS TYPICAL OF BOTH SIGN TYPES.
3. SEE SIGN KEY ON TRAFFIC SIGNS DETAIL FOR MORE INFORMATION.
4. VERIFY THAT ALL SIGNAGE SIZING AND COLOR MEETS CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REGULATIONS.

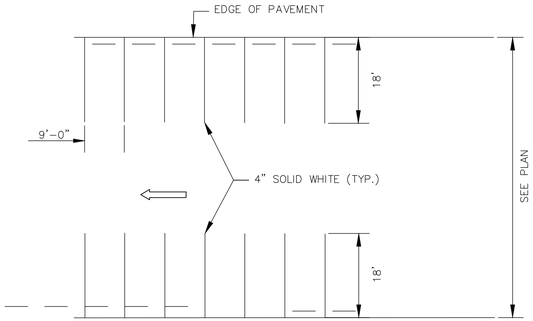
ACCESSIBLE PARKING SIGN
N.T.S.



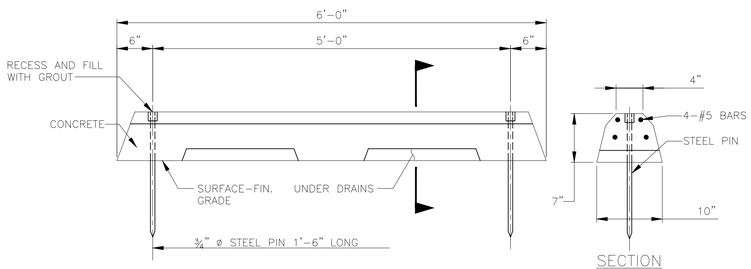


SECTION THROUGH RAMP

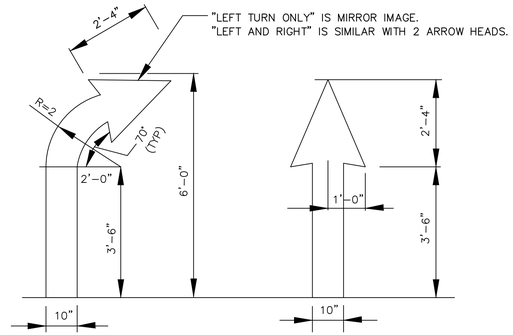
UNCURBED ACCESSIBLE RAMPS
N.T.S.



BOTH SIDES: 90 DEGREE PARKING ONE-WAY TRAFFIC
N.T.S.



PRECAST CONCRETE BUMPER
N.T.S.



PAINTED TRAFFIC ARROWS
N.T.S.

GENERAL NOTES:

1. THE DIMENSIONS AND SLOPES PRESENTED IN THE DETAILS ARE THE MINIMUM NECESSARY TO COMPLY WITH THE ADA AND DOT STANDARDS. ANY DEVIATION LESS THAN THE MINIMUM WIDTH OR GREATER THAN THE MAXIMUM SLOPE FROM THESE STANDARDS MUST BE DOCUMENTED WITH THE STANDARDS BEING MET TO THE GREATEST EXTENT PRACTICABLE AND CONSISTENT WITH THE MOST CURRENT ADAAG
2. CURB RAMPS, LANDINGS AND BLENDED TRANSITIONS MAY REQUIRE THE USE OF DETECTABLE WARNINGS. DETECTABLE WARNINGS ON THIS SHEET ARE SHOWN FOR ILLUSTRATION ONLY. REFER TO THE DETECTABLE WARNINGS DETAILS ON SHEET 4 OF FOR DETAILS ON PLACEMENT, ORIENTATION & DIMENSIONS. REFER TO CHAPTER 18 OF THE HIGHWAY DESIGN MANUAL FOR MORE INFORMATION.

CURB RAMP NOTES:

3. THE MINIMUM WIDTH FOR SIDEWALK CURB RAMPS IS 5'-0".
4. THE RUNNING SLOPE OF A CURB RAMP SHALL BE 1:20 (5%) MINIMUM (PREFERRED) AND 1:12 (8.33%) MAXIMUM.
5. WHERE THE SLOP OF THE ROADWAY EXCEEDS 8.33% THE CURB RAMP LENGTH IS THE LENGTH NECESSARY TO MEET THE EXISTING SIDEWALK. IT IS NOT NECESSARY THAT THE RAMP LENGTH EXCEED 15'-0".
6. THE CROSS SLOPE OF CURB RAMPS SHOULD BE AS FLAT AS POSSIBLE, NOT TO EXCEED 1:50 (2%). THE CROSS SLOPE AT MIDBLOCK CROSSINGS MAY BE WARPED TO MEET STREET OR HIGHWAY GRADE.
7. THE VERTICAL ALIGNMENTS OF A CURB RAMP, EXCLUDING THE FLARES, SHALL BE PLANAR. GRADE BREAKS SHALL BE FLUSH AND PERPENDICULAR TO DIRECTION OF THE RAMP RUN.
8. RAMP TRANSITIONS BETWEEN WALKS, LANDINGS, GUTTER, OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT VERTICAL CHANGES (1/4" MAX).
9. WHERE A PEDESTRIAN CIRCULATION PATH CROSSES THE CURB RAMP, FLARED SIDES WITH A SLOPE OF 10% MAXIMUM, MEASURED PARALLEL TO THE CURB LINE, SHALL BE PROVIDED.

LANDING NOTES:

10. LANDING SHALL HAVE A MINIMUM CLEAR DIMENSION OF A 5'-0" BY 5'-0" EXCEPT AT THE BOTTOM OF RAMPS TYPE 1 & 2 ON SHEET 20F 4.
11. THE RUNNING AND CROSS SLOPES ON LANDINGS AT INTERSECTIONS IS 1:50 (2%) MAXIMUM. THE RUNNING AND CROSS SLOPE AT MIDBLOCK CROSSING MAY BE WARPED TO MEET STREET OR HIGHWAY GRADE.

CURB RAMP WITH SIDE FLARES TYPICAL DIMENSIONING
N.T.S.

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 1003
NEW YORK, NY 10004
PHONE: (646)576-4034

DRAFT 100% NOT FOR CONSTRUCTION

ANDES
Andes Consulting Engineering & Surveying, pllc
234 Hancox Avenue, Nutley, NJ 07110
(626)727-0656
www.andesces.com

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

EAST ROCKAWAY HIGH SCHOOL/
LISTER PARK PROJECT

DETAILS 1 of 3

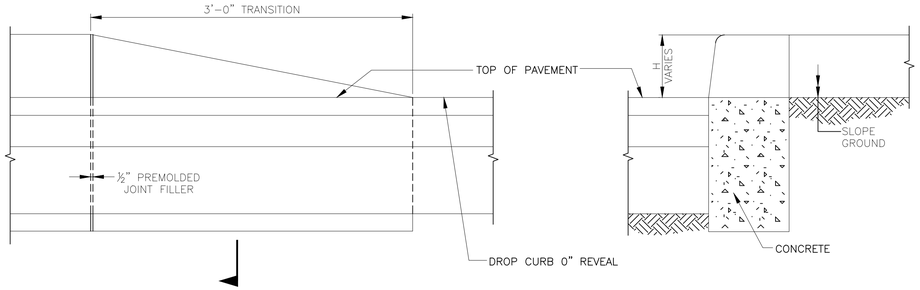
Project No.:	200-89763-18003
Designed By:	JL
Drawn By:	JW
Checked By:	JW,JL

C-501
1

Copyright Tetra Tech

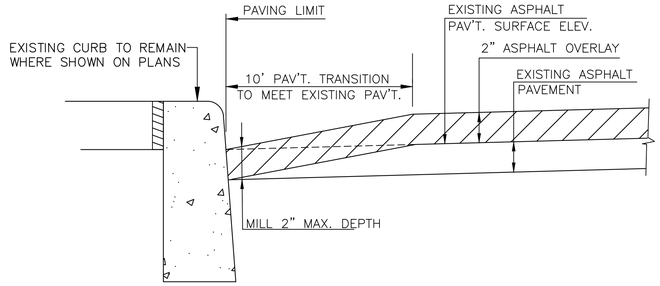
Bar Measures 1 inch

1/19/2020 12:08:42 PM - D:\ANDESCES\A014-TETRATECH_LISTER & TIGHE-IDWG\CIVIL\C-501-502_DTLS.DWG - ACES

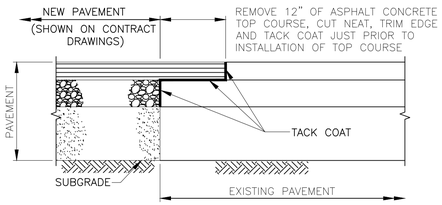


ELEVATION SECTION

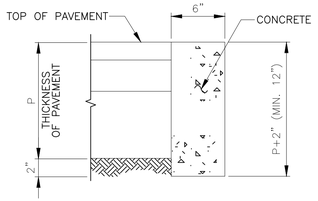
END OF CURB TREATMENT
N.T.S.



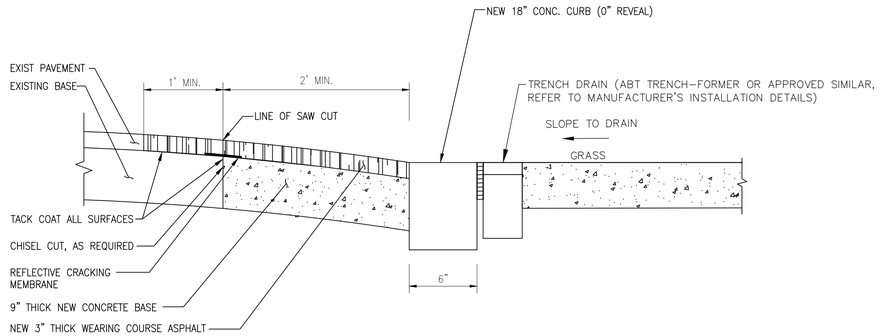
PAVEMENT MILLING TO MEET EXIST. GRADE
N.T.S.



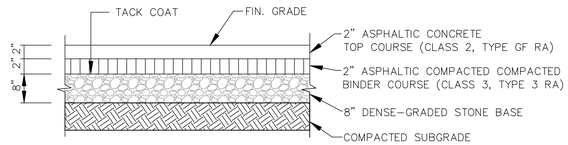
OVERLAY PAVEMENT
N.T.S.



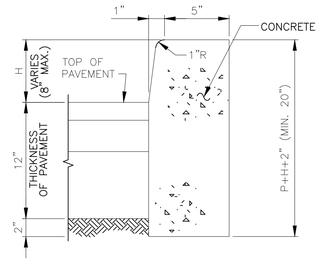
CONCRETE CURB (NO-REVEAL)
N.T.S.



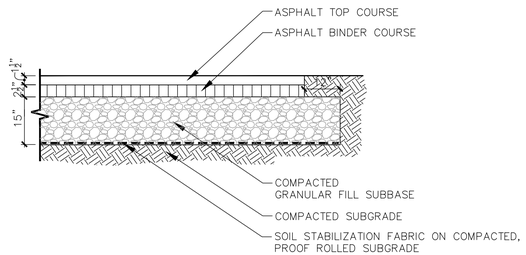
STREET RESTORATION DETAIL (NEW CURB INSTALLATION)
N.T.S.



ASPHALT PAVEMENT
N.T.S.



CONCRETE CURB (NON-MOUNTABLE)
N.T.S.



BITUMINOUS SIDEWALK DETAIL
N.T.S.

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 1003
NEW YORK, NY 10004
PHONE: (646)576-4034

DRAFT 100% NOT FOR CONSTRUCTION

ANDES
Andes Consulting Engineering & Surveying, pllc
234 Hancox Avenue, Nutley, NJ 07110
(626)727-0656
www.andesces.com

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

EAST ROCKAWAY HIGH SCHOOL/
LISTER PARK PROJECT

DETAILS 2 of 3

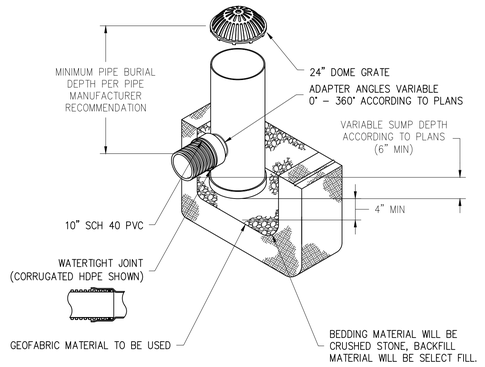
Project No.:	200-89763-18003
Designed By:	JL
Drawn By:	JW
Checked By:	JW,JL

C-502
1

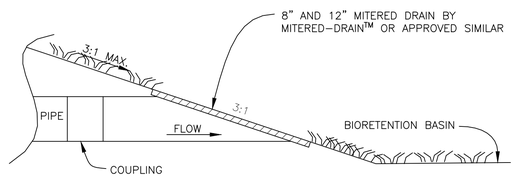
Copyright Tetra Tech

Bar Measures 1 inch

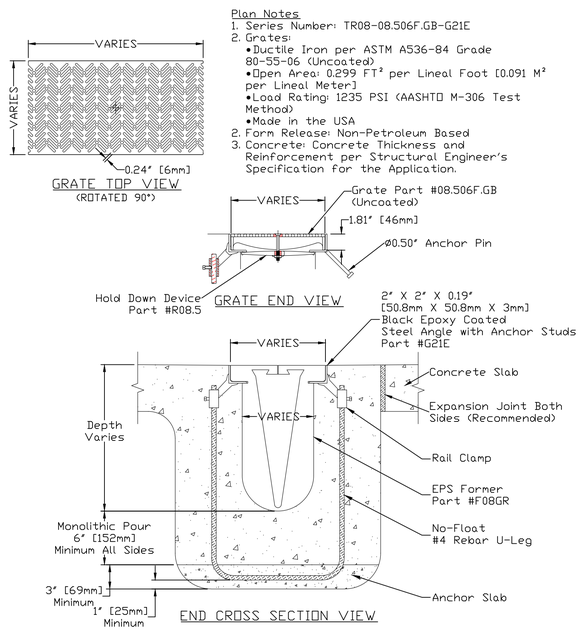
1/19/2020 12:08:48 PM - D:\ANDESCES\A014-TETRATECH_LISTER & TIGHE-IDW\GIVIL\C-501-502_DTLS.DWG - ACES



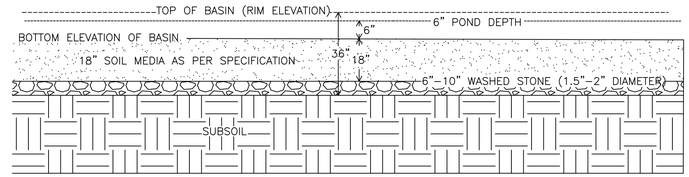
NYLOPLAST DRAIN BASIN WITH DOME GRATE
N.T.S.



MITERED DRAIN
N.T.S.



8" AND 12" ABT TRENCH FORMER SYSTEM
N.T.S.



BIORETENTION BASIN WITH 18" OF FILTER BED

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 1003
NEW YORK, NY 10004
PHONE: (646)576-4034

DRAFT 100% NOT FOR CONSTRUCTION

ANDES
Andes Consulting Engineering & Surveying, pllc
234 Hancox Avenue, Nutley, NJ 07110
(626)727-0656
www.andesces.com

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

EAST ROCKAWAY HIGH SCHOOL/
LISTER PARK PROJECT

DETAILS 3 of 3

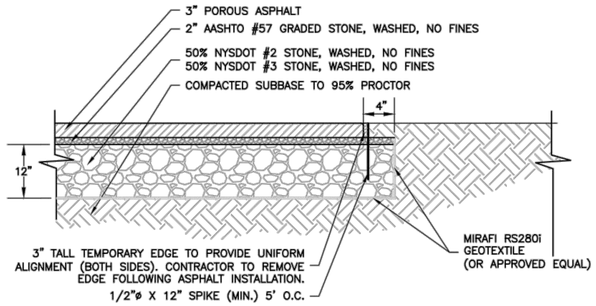
Project No.:	200-89763-18003
Designed By:	JL
Drawn By:	JW
Checked By:	JW,JL

C-503
1

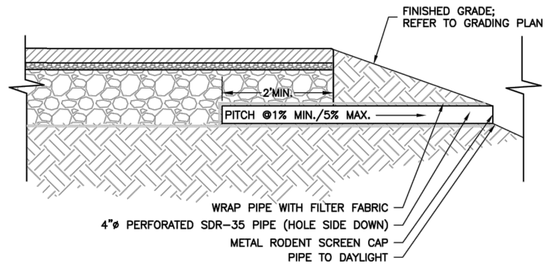
Bar Measures 1 inch

Copyright Tetra Tech

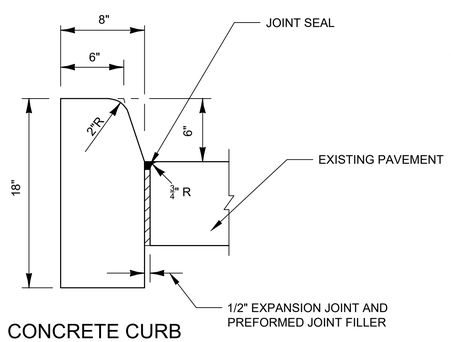
1/19/2020 12:08:53 PM - D:\ANDESCES\A014-TETRATECH_LISTER & TIGHE-IDWG\CIVIL\C-501-502_DTLS.DWG - ACES



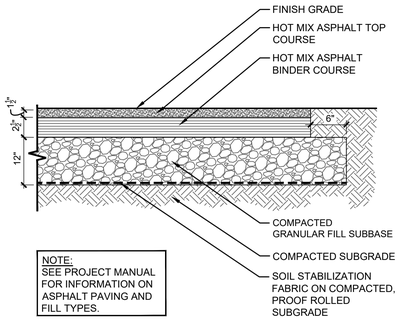
C1 POROUS ASPHALT PAVEMENT
N.T.S.



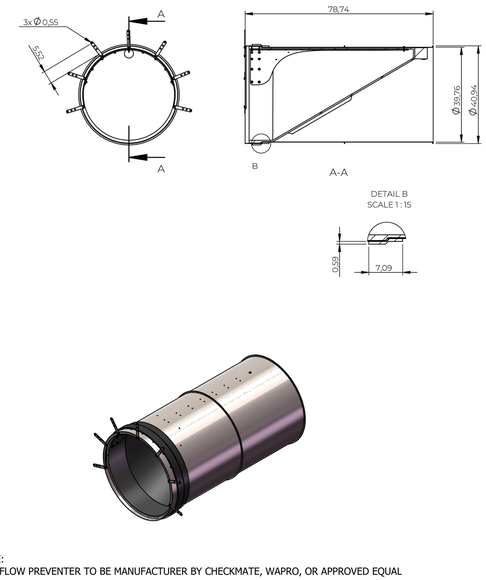
C2 DRAINAGE RELIEF PIPE
N.T.S.



C3 CONCRETE CURB
N.T.S.

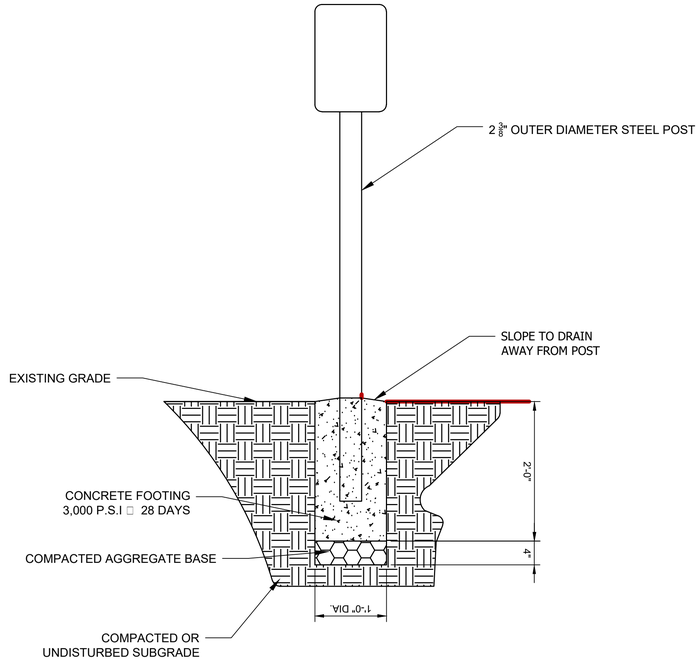


C4 ASPHALT
N.T.S.

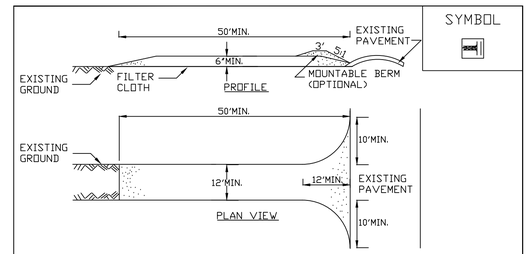


NOTE:
BACKFLOW PREVENTER TO BE MANUFACTURER BY CHECKMATE, WAPRO, OR APPROVED EQUAL

C5 BACKFLOW PREVENTER
N.T.S.



C6 SIGN POST
N.T.S.



CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 1-4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ACCESS SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

ADAPTED FROM DETAILS PROVIDED BY: USDA - NRCS,
NEW YORK STATE DEPARTMENT OF TRANSPORTATION,
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION,
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

C7 STABILIZED CONSTRUCTION ACCESS
N.T.S.

TETRA TECH
www.tetratech.com
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

LISTER PARK PROJECT

DETAILS

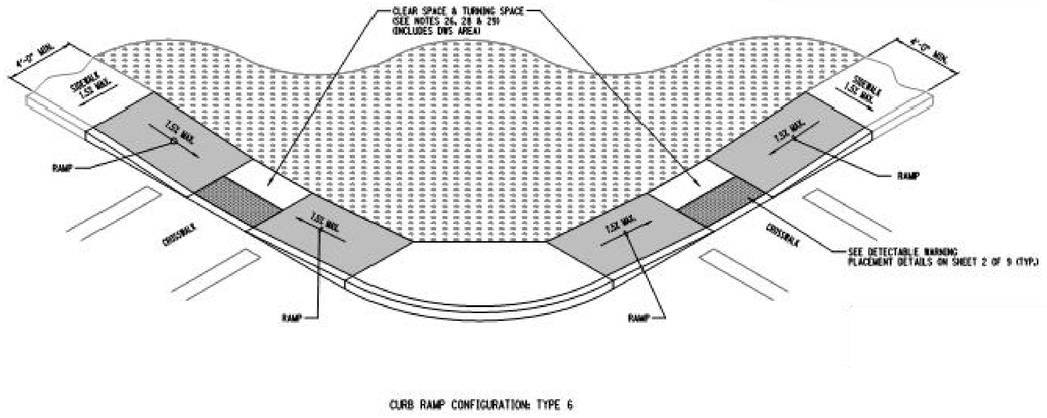
Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

C-504

Copyright: Tetra Tech

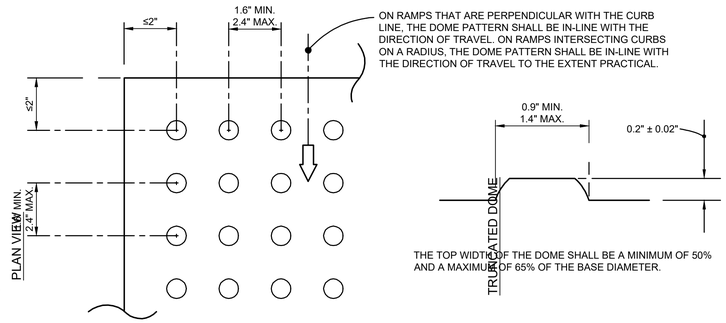
Bar Measures 1 inch

6/26/2020 1:50:09 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTRE\C-500 - CIVIL DETAILS.DWG - CABRERA, CHRISTIAN



CURB RAMP CONFIGURATION: TYPE 6

C8 — ADA ACCESSIBLE CURB RAMP
N.T.S.

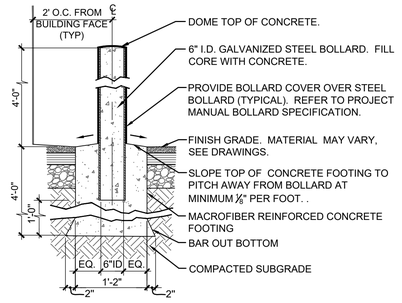


ON RAMPS THAT ARE PERPENDICULAR WITH THE CURB LINE, THE DOME PATTERN SHALL BE IN-LINE WITH THE DIRECTION OF TRAVEL. ON RAMPS INTERSECTING CURBS ON A RADIUS, THE DOME PATTERN SHALL BE IN-LINE WITH THE DIRECTION OF TRAVEL TO THE EXTENT PRACTICAL.

THE TOP WIDTH OF THE DOME SHALL BE A MINIMUM OF 50% AND A MAXIMUM OF 65% OF THE BASE DIAMETER.

ALL SIDEWALK CURB RAMPS SHALL HAVE DETECTABLE WARNING SURFACES THAT EXTEND THE FULL WIDTH OF THE RAMP AND IN THE DIRECTION OF TRAVEL 24 INCHES (610 MM) FROM THE BACK OF CURB.

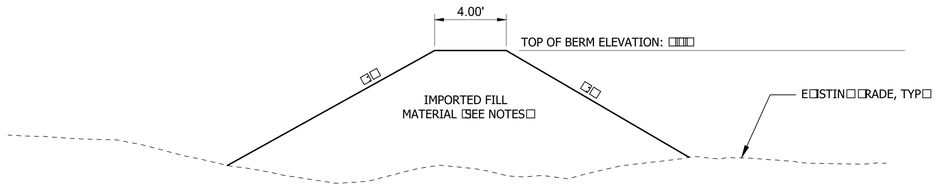
C9 — ADA DETECTABLE WARNING SURFACE
N.T.S.



NOTES:

REFER TO PROJECT MANUAL FOR GALVANIZED STEEL MATERIAL REQUIREMENTS.

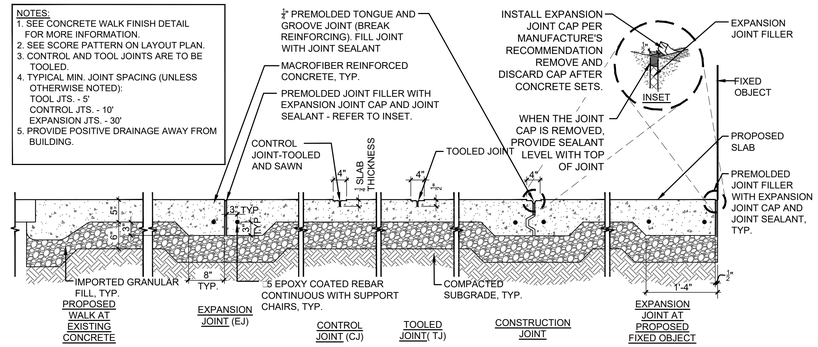
C10 — BOLLARD - STEEL PIPE WITH BOLLARD COVER
N.T.S.



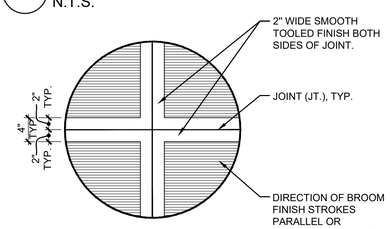
NOTES:
1. FILL MATERIAL USED TO CONSTRUCT THE PROPOSED BERM SHALL CONSIST OF MATERIAL CLASSIFIED AS CL-ML, CL, OR CH IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM.
2. FILL MATERIAL SHALL BE COMPACTED TO 95% STANDARD PROCTOR WITH A MOISTURE CONTENT ±3% OF OPTIMUM MOISTURE CONTENT.
3. FILL MATERIAL SHALL BE PLACED IN 8" LOOSE LIFTS.

C11 — BERM
N.T.S.

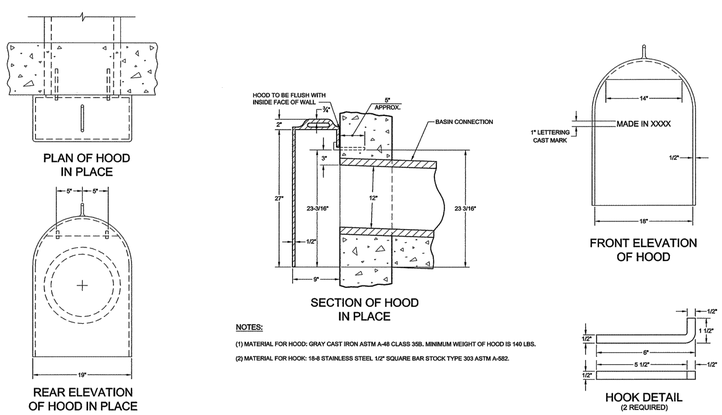
NOTES:
1. SEE CONCRETE WALK FINISH DETAIL FOR MORE INFORMATION.
2. SEE SCORE PATTERN ON LAYOUT PLAN.
3. CONTROL AND TOOL JOINTS ARE TO BE TOOLED.
4. TYPICAL MIN. JOINT SPACING (UNLESS OTHERWISE NOTED):
   TOOL JTS. - 5'
   CONTROL JTS. - 10'
   EXPANSION JTS. - 30'
5. PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDING.



C12 — CONCRETE SIDEWALK
N.T.S.

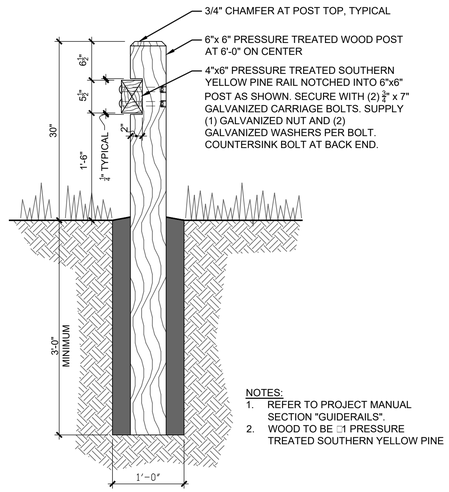


NOTE:
SEE CONCRETE WALK DETAIL FOR ADDITIONAL INFORMATION



NOTES:
(1) MATERIAL FOR HOOD: GRAY CAST IRON ASTM A-48 CLASS 35B. MINIMUM WEIGHT OF HOOD IS 140 LBS.
(2) MATERIAL FOR HOOK: 18-8 STAINLESS STEEL 1/2" SQUARE BAR STOCK TYPE 303 ASTM A-582.

C13 — DRAINAGE HOOD DETAIL
N.T.S.



NOTES:
1. REFER TO PROJECT MANUAL SECTION "GUIDERAILS".
2. WOOD TO BE □1 PRESSURE TREATED SOUTHERN YELLOW PINE

C14 — WOOD GUIDE RAIL
N.T.S.

C15 — CONCRETE FINISH
N.T.S.

TETRA TECH
www.tetratech.com
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

LISTER PARK PROJECT

DETAILS

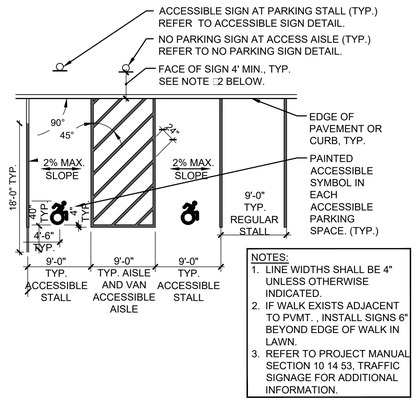
Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

C-505

Copyright Tetra Tech

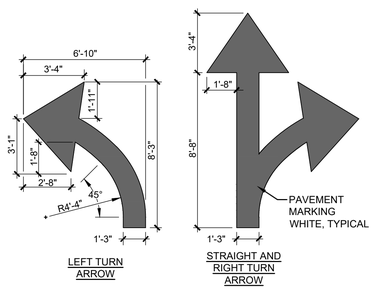
Bar Measures 1 inch

6/26/2020 1:50:51 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTRE\C-500 - CIVIL DETAILS.DWG - CABRERA, CHRISTIAN

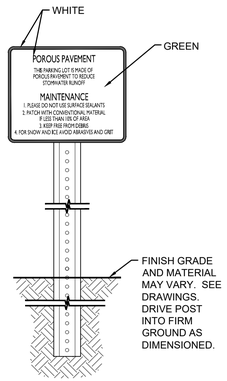


NOTES:
1. LINE WIDTHS SHALL BE 4" UNLESS OTHERWISE INDICATED.
2. IF WALK EXISTS ADJACENT TO PVMT. , INSTALL SIGNS 6" BEYOND EDGE OF WALK IN LAWN.
3. REFER TO PROJECT MANUAL SECTION 10 14 53, TRAFFIC SIGNAGE FOR ADDITIONAL INFORMATION.

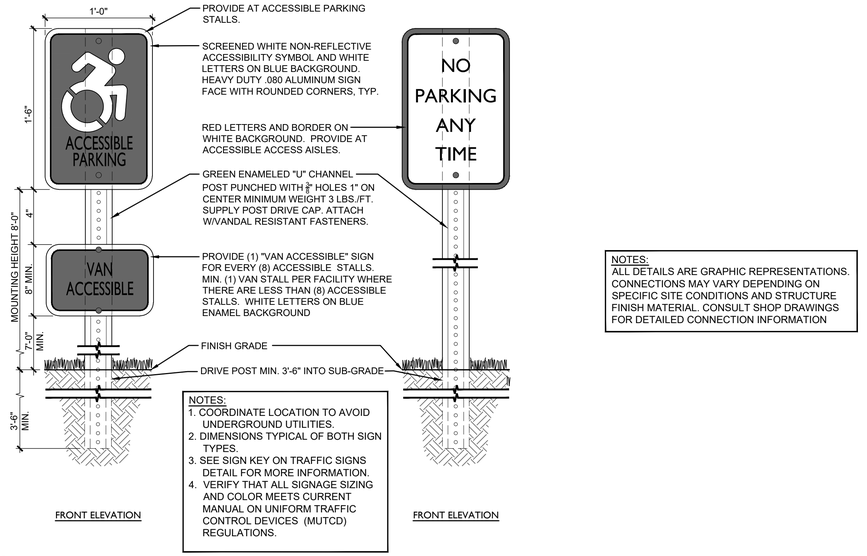
C16 PARKING STALL STRIPING
N.T.S.



C17 TRAFFIC ARROWS - PAINTED
N.T.S.



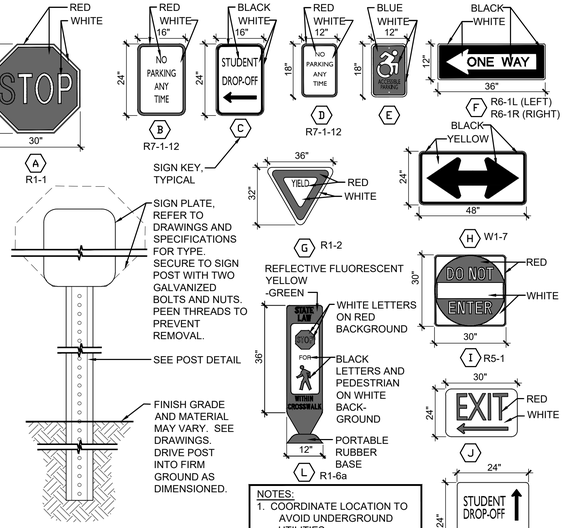
C18 SIGN FOR POROUS PAVEMENT
N.T.S.



NOTES:
1. COORDINATE LOCATION TO AVOID UNDERGROUND UTILITIES.
2. DIMENSIONS TYPICAL OF BOTH SIGN TYPES.
3. SEE SIGN KEY ON TRAFFIC SIGNS DETAIL FOR MORE INFORMATION.
4. VERIFY THAT ALL SIGNAGE SIZING AND COLOR MEETS CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REGULATIONS.

NOTES:
ALL DETAILS ARE GRAPHIC REPRESENTATIONS. CONNECTIONS MAY VARY DEPENDING ON SPECIFIC SITE CONDITIONS AND STRUCTURE FINISH MATERIAL. CONSULT SHOP DRAWINGS FOR DETAILED CONNECTION INFORMATION

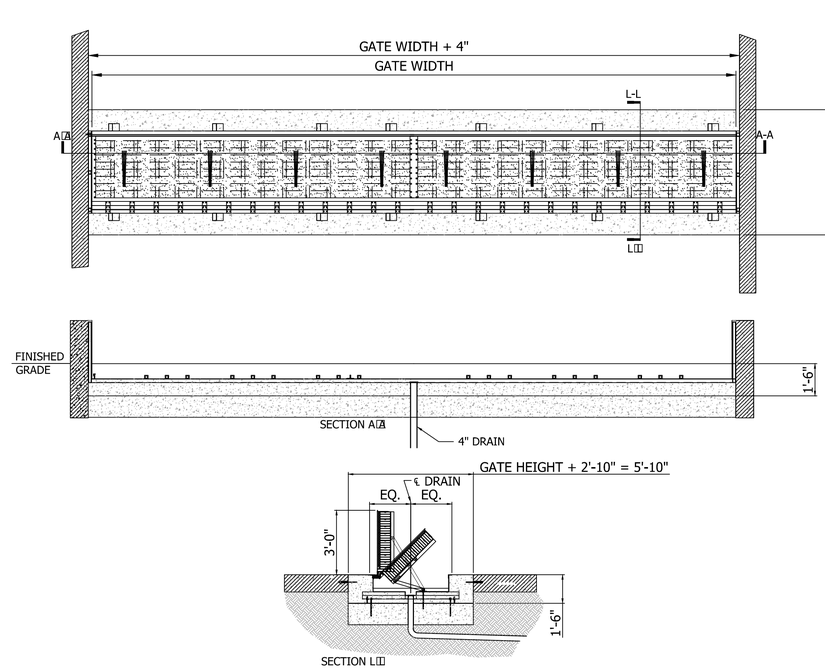
C19 ACCESSIBLE AND NO PARKING SIGN WITH - "U" CHANNEL POST IN LAWN
N.T.S.



NOTES:
1. COORDINATE LOCATION TO AVOID UNDERGROUND UTILITIES.
2. MOUNTING DIMENSIONS TYPICAL FOR SIGNS

C20 TRAFFIC SIGNS
N.T.S.

C21 CROSSWALK
N.T.S.



C22 FLOODBREAK GATE
N.T.S.

TETRA TECH
www.tetratech.com
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY
LISTER PARK PROJECT
DETAILS

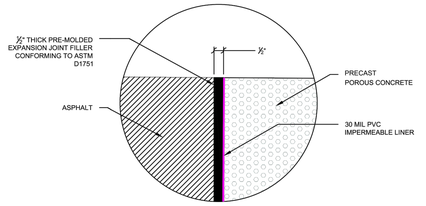
Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

C-506

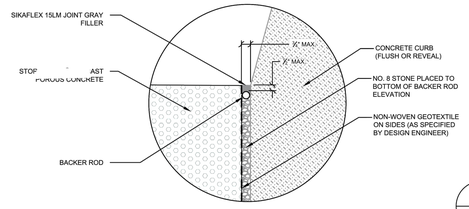
Copyright: Tetra Tech

Bar Measures 1 inch

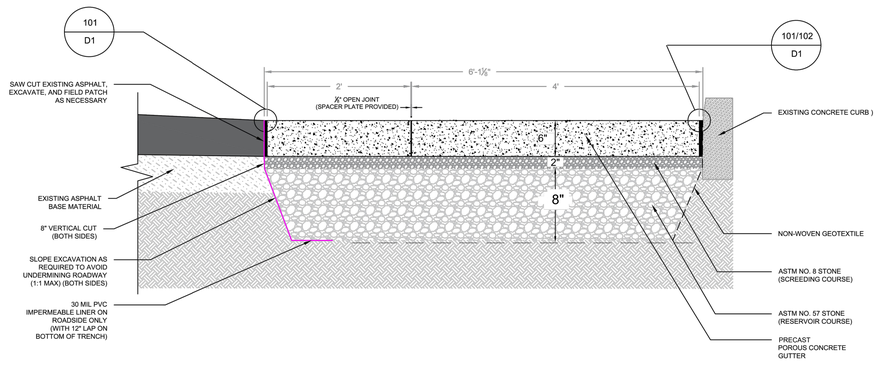
6/26/2020 1:51:20 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTRE\C-500 - CIVIL DETAILS.DWG - CABRERA, CHRISTIAN



101 / D1



102 / D1

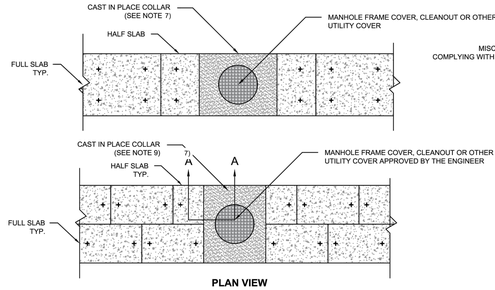


NOTES:

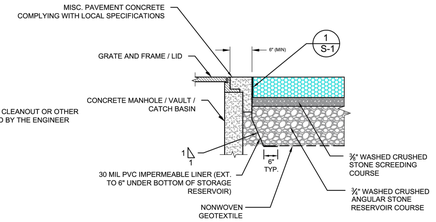
1. PRECAST POROUS CONCRETE SHALL HAVE A CONCRETE AVERAGE UNIT WEIGHT OF 124 LB/CF (.0- 4%) AND A VOID RATIO OF 15-25%WHEN TESTED IN CONFORMANCE WITH ASTM D1754/1754M-12 STANDARD TEST METHOD FOR DENSITY AND VOID CONTENT OF HARDENED PERVIOUSCONCRETE.
2. WASHED CRUSHED STONE RESERVOIR AND SCREEDING COURSE GRADATIONS AND THICKNESS TO BE BASED ON SUBSURFACE CONDITIONS, DEPTH OF FREEZING, TRAFFIC LOADINGS, AND STORM WATER DETENTION/RETENTION REQUIREMENTS AS SPECIFIED BY DESIGN PROFESSIONAL.
3. ADJACENT MATERIAL SHALL NOT BE ALLOWED TO COME INTO DIRECT CONTACT WITH SIDES OF SLAB. PLACE ½" MOLDED BITUMINOUS EXPANSION JOINT MATERIAL IN CONFORMANCE WITH ASTM D1751, STANDARD SPECIFICATION FOR PREFORMED EXPANSION JOINT FILLER FOR CONCRETE PAVING AND STRUCTURAL CONSTRUCTION (NONEXTRUDING AND RESILIENT BITUMINOUS TYPES).
4. REINFORCEMENT TO BE ∃ BASALT FIBER BAR, CONFORMING TO ASTM D7205 (120 KSI)
5. ½" COIL THREAD LIFTING INSERT GALV., A.L.P. SUPPLY PART NUMBER CI6312134P, OR EQUAL.
6. SLABS SHALL BE CUT WITH A DIAMOND BLADE MASONRY SAW. CUT UNITS SHALL BE NO NARROWER THAN 18" AND CUTTING SHALL OCCUR SO THAT A MINIMUM OF 8" IS MAINTAINED BETWEEN LIFTERS EMBEDDED IN SLABS AND CUT EDGES.
7. REFER TO MANUFACTURER'S HANDLING AND INSTALLATION INSTRUCTIONS FOR ADDITIONAL PRODUCT SPECIFIC INFORMATION.
8. PRECAST POROUS CONCRETE PANELS SHALL BE PITCHED TO MATCH THE GRADES SHOWN ON DRAWING C-102 - SITE, GRADING, AND DRAINAGE PLAN.

C23 POROUS CONCRETE PAVEMENT

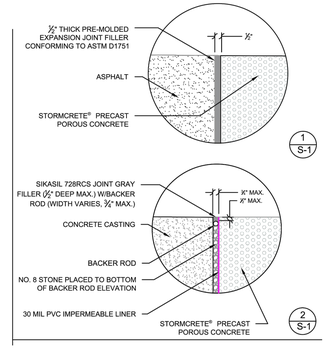
N.T.S.



PLAN VIEW

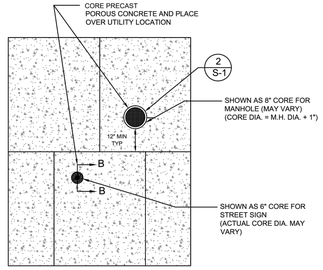


SECTION A-A



S1

CAST POROUS CONCRETE ABUTTING/SURROUNDING UTILITY STRUCTURES



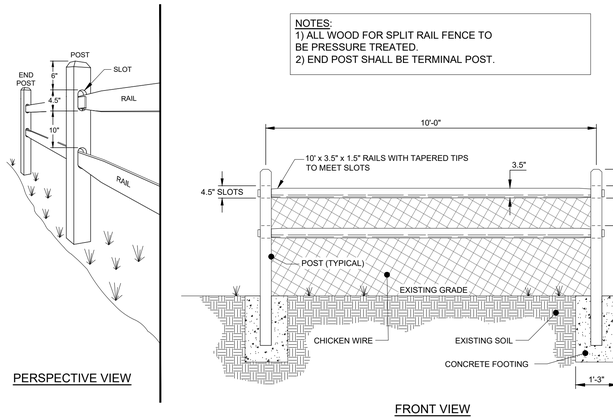
PLAN VIEW

NOTES:

1. PRECAST POROUS CONCRETE SHALL HAVE A CONCRETE AVERAGE UNIT WEIGHT OF 124 LB/CF (.0- 4%) AND A VOID RATIO OF 15-25%WHEN TESTED IN CONFORMANCE WITH ASTM D1754/1754M-12 STANDARD TEST METHOD FOR DENSITY AND VOID CONTENT OF HARDENED PERVIOUSCONCRETE.
2. WASHED CRUSHED STONE RESERVOIR AND SCREEDING COURSE GRADATIONS AND THICKNESS TO BE BASED ON SUBSURFACE CONDITIONS, DEPTH OF FREEZING, TRAFFIC LOADINGS, AND STORM WATER DETENTION/RETENTION REQUIREMENTS AS SPECIFIED BY DESIGN PROFESSIONAL.
3. ADJACENT MATERIAL SHALL NOT BE ALLOWED TO COME INTO DIRECT CONTACT WITH SIDES OF SLAB. PLACE ½" MOLDED BITUMINOUS EXPANSION JOINT MATERIAL IN CONFORMANCE WITH ASTM D1751, STANDARD SPECIFICATION FOR PREFORMED EXPANSION JOINT FILLER FOR CONCRETE PAVING AND STRUCTURAL CONSTRUCTION (NONEXTRUDING AND RESILIENT BITUMINOUS TYPES).
4. PRECAST POROUS CONCRETE SLABS SHALL BE REINFORCED WITH ∃ FIBER REINFORCED PLASTIC (FRP) REINFORCING BARS OR ULTRA-THIN MONOFILAMENT HOMOPOLYMER POLYPROPYLENE FIBERS EQUIVALENT TO MASTERFIBER 100 MANUFACTURED BY BASF CORPORATION., OR APPROVED EQUAL.
5. ½" COIL THREAD LIFTING INSERT GALV., A.L.P. SUPPLY PART NUMBER CI6312134P, OR EQUAL.
6. SLABS SHALL BE CUT WITH A DIAMOND BLADE MASONRY SAW. CUT UNITS SHALL BE NO NARROWER THAN 18" AND CUTTING SHALL OCCUR SO THAT A MINIMUM OF 8" IS MAINTAINED BETWEEN LIFTERS EMBEDDED IN SLABS AND CUT EDGES.
7. SLAB LAYOUTS SHALL BE PLANNED SO AS TO MINIMIZE OR ELIMINATE LOCATIONS WHERE UTILITY STRUCTURES INTERSECT WITH SLAB JOINTS. WHOLE AND HALF SLABS SHALL BE USED IN COMBINATION WITH CAST IN PLACE COLLARS TO SURROUND UTILITIES.
8. REFER TO MANUFACTURER'S HANDLING AND INSTALLATION INSTRUCTIONS FOR ADDITIONAL PRODUCT SPECIFIC INFORMATION.

C24 UTILITY STRUCTURES INSTALLATIONS

N.T.S.



PERSPECTIVE VIEW

FRONT VIEW

NOTES:
1) ALL WOOD FOR SPLIT RAIL FENCE TO BE PRESSURE TREATED.
2) END POST SHALL BE TERMINAL POST.

C25 STANDARD SPLIT RAIL FENCE

N.T.S.

TETRA TECH
www.tetratech.com
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

LISTER PARK PROJECT

DETAILS

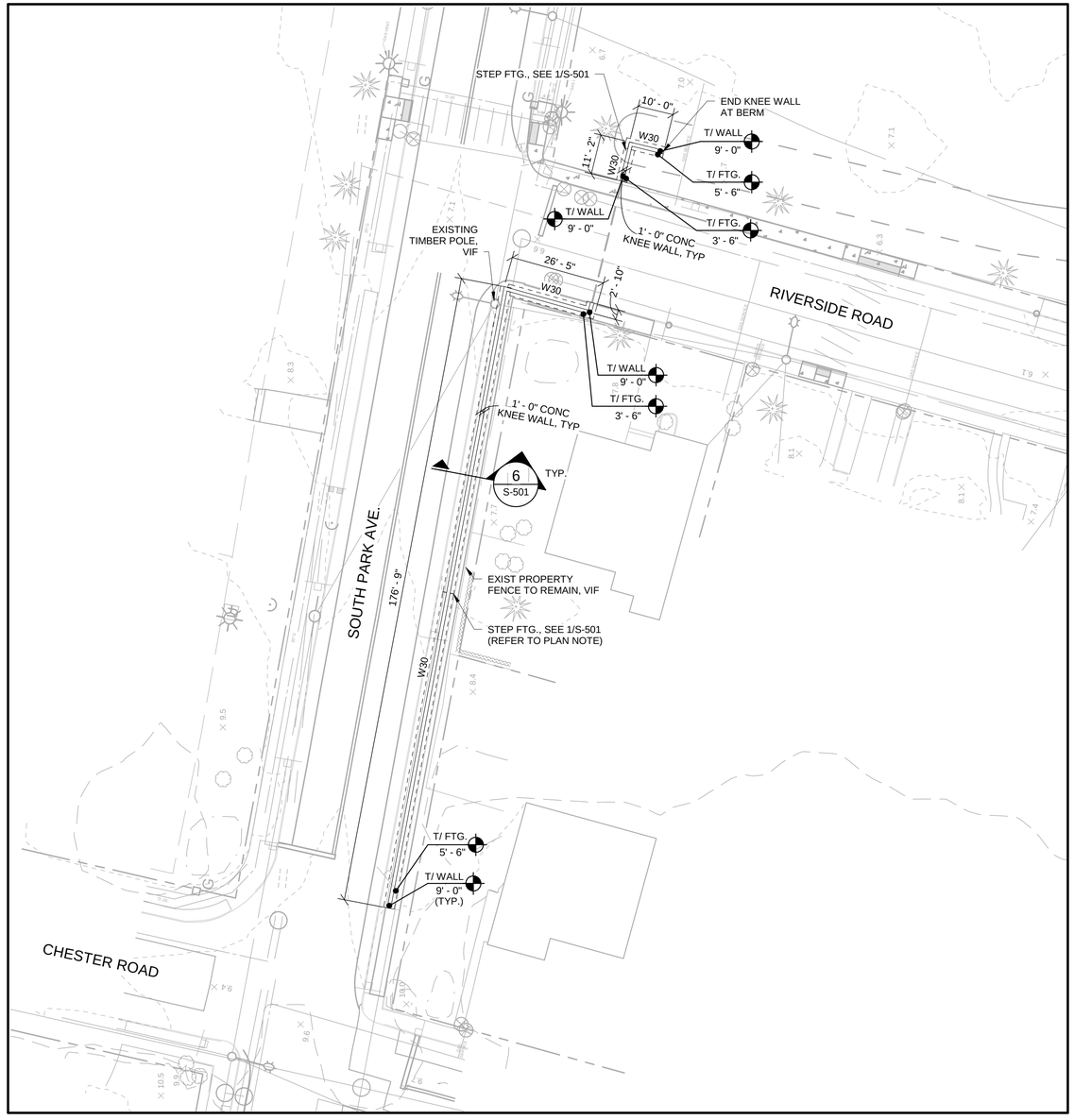
Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

C-507

Copyright: Tetra Tech

Bar Measures 1 inch

6/26/2020 1:53:50 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTRE\C-500 - CIVIL DETAILS.DWG - CABRERA, CHRISTIAN



KNEE WALL AT SOUTH PARK AVE

SCALE: 1" = 20'-0"

NOTE:

1. REFER TO S-001 AND S-501 FOR GENERAL NOTES, DESIGN CRITERIA AND TYPICAL DETAILS.
2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ABOVE AND BELOW GRADE UTILITY LOCATIONS PRIOR TO COMMENCING WORK IN ANY GIVEN AREA.
3. SEE CIVIL DRAWINGS FOR EXACT LOCATIONS AND TOTAL LENGTHS OF NEW KNEE WALLS.

STRUCTURAL FOOTING SCHEDULE				
TYPE	LENGTH	WIDTH	THICKNESS	REINFORCEMENT
W30	CONT.	3'-0"	1'-0"	#5 @ 12" O.C. T&B, E.W.
W40	CONT.	4'-0"	1'-0"	#5 @ 12" O.C. T&B, E.W.

FOUNDATION WALL SCHEDULE		
WALL DESCRIPTION	REINFORCING	NOTES
12" CONCRETE	#5 @ 12" O.C. VERT. EA. FACE, #5 @ 12" O.C. HORIZ EA. FACE	

0 10' 20' 40'

SCALE: 1" = 20'

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 502
NEW YORK, NEW YORK 10004
TEL: (646) 576-4024

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

LISTER PARK

ROCKVILLE CENTER

STRUCTURAL PLAN

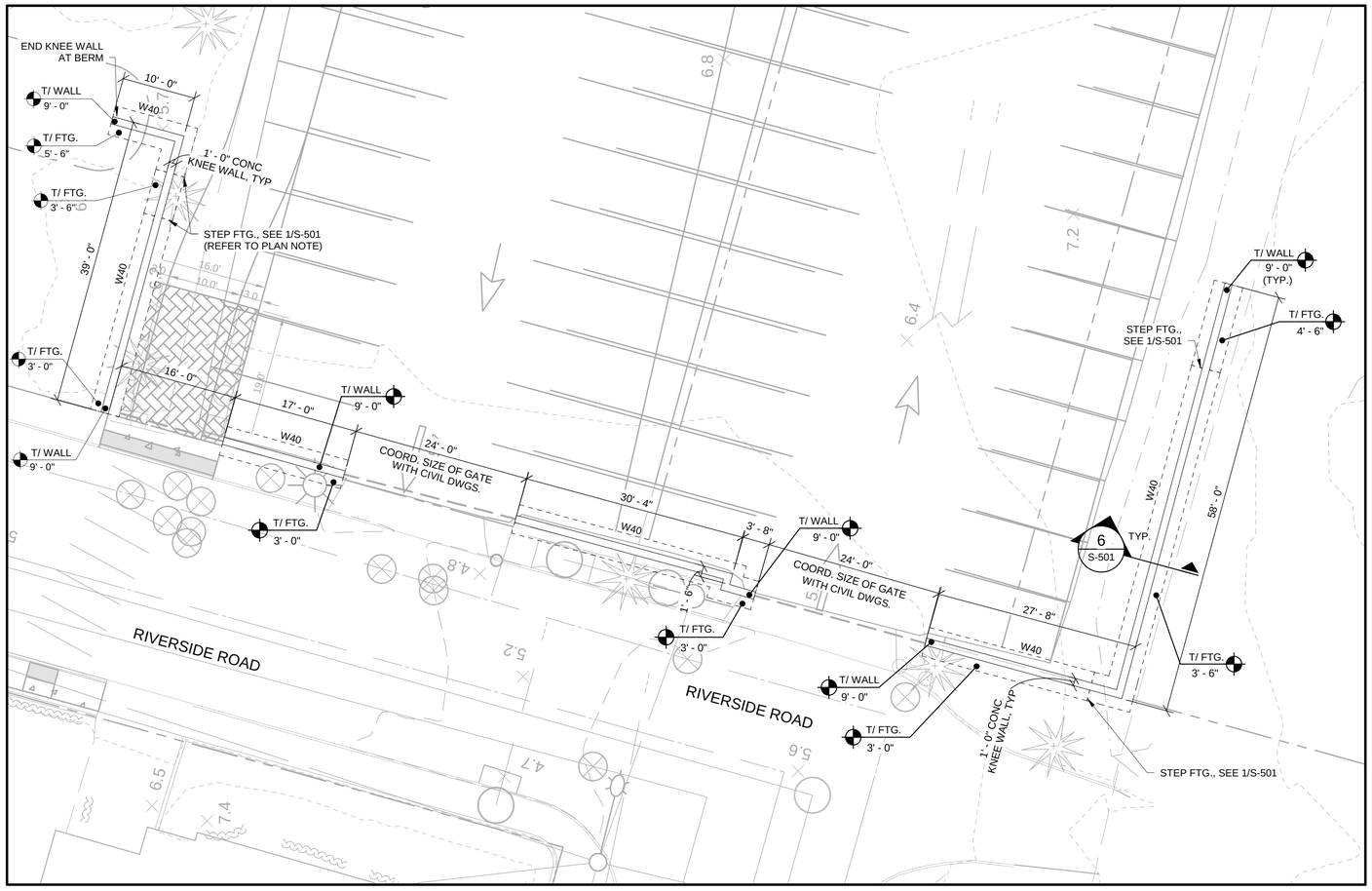
PROJ:	200-89763-18003
DESN:	SPS
DRWN:	BRF
CHKD:	ATC

S-101

Copyright: Tetra Tech

Bar measures 1 inch, otherwise drawing is not to scale

C:\Users\sohan.shetty\Documents\S-LISTER PARK v2019_Sohan.Shetty@tetratech.com.rvt
3/6/2019 8:16:59 AM



KNEE WALL AT RIVERSIDE ROAD

SCALE: 1" = 10'-0"

NOTE:

1. REFER TO S-001 AND S-501 FOR GENERAL NOTES, DESIGN CRITERIA AND TYPICAL DETAILS.
2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ABOVE AND BELOW GRADE UTILITY LOCATIONS PRIOR TO COMMENCING WORK IN ANY GIVEN AREA.
3. SEE CIVIL DRAWINGS FOR EXACT LOCATIONS AND TOTAL LENGTHS OF NEW KNEE WALLS.

STRUCTURAL FOOTING SCHEDULE				
TYPE	LENGTH	WIDTH	THICKNESS	REINFORCEMENT
W30	CONT.	3'-0"	1'-0"	#5 @ 12" O.C. T&B, E.W.
W40	CONT.	4'-0"	1'-0"	#5 @ 12" O.C. T&B, E.W.

FOUNDATION WALL SCHEDULE		
WALL DESCRIPTION	REINFORCING	NOTES
12" CONCRETE	#5 @ 12" O.C. VERT. EA. FACE, #5 @ 12" O.C. HORIZ EA. FACE	

0 5' 10' 20'

SCALE: 1" = 10'

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 502
NEW YORK, NEW YORK 10004
TEL: (646) 576-4024

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

LISTER PARK

ROCKVILLE CENTER

STRUCTURAL PLAN

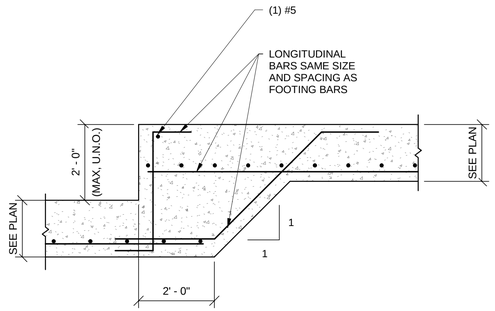
PROJ:	200-89763-18003
DESN:	SPS
DRWN:	BRF
CHKD:	ATC

S-102

Copyright: Tetra Tech

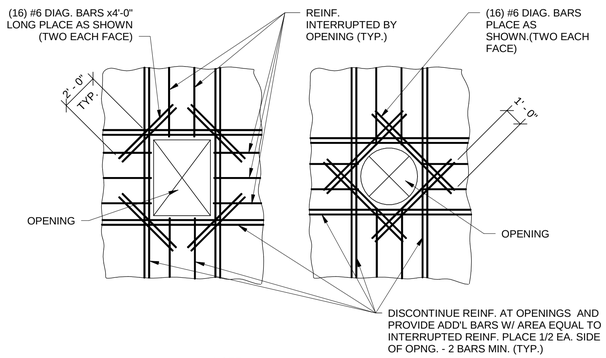
C:\Users\sohan.shetty\Documents\S-LISTER PARK v2019_Sohan.Shetty@tetratech.com.rvt
3/6/2019 8:16:59 AM

Bar measures 1 inch, otherwise drawing is not to scale



1 TYP. STEPPED FOOTING DETAIL

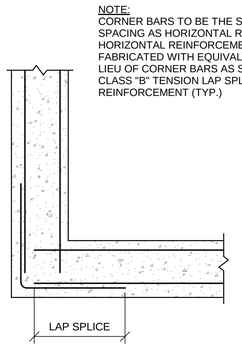
S-501 SCALE: 1/2" = 1'-0"



NOTE:
WHERE REQ'D. LAPS ARE NOT POSSIBLE DUE TO PRESENCE OF ADJACENT HOLES OR CORNERS, PROVIDE STANDARD END HOOK

2 TYP. REINF. STEEL AT OPENING

S-501 SCALE: 1/4" = 1'-0"

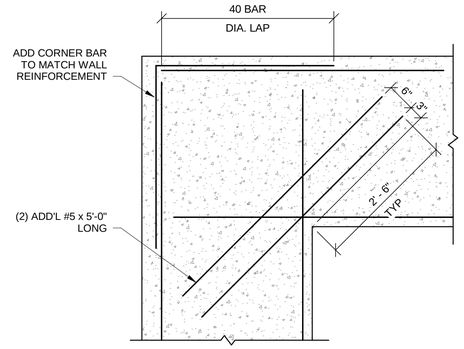


NOTE:
CORNER BARS TO BE THE SAME SIZE AND SPACING AS HORIZONTAL REINFORCEMENT. HORIZONTAL REINFORCEMENT MAY BE FABRICATED WITH EQUIVALENT BENT ENDS IN LIEU OF CORNER BARS AS SHOWN. PROVIDE CLASS "B" TENSION LAP SPLICE ON ALL MAIN REINFORCEMENT (TYP.)

CORNER

3 TYP. WALL CORNERS AT WALLS

S-501 SCALE: 3/4" = 1'-0"

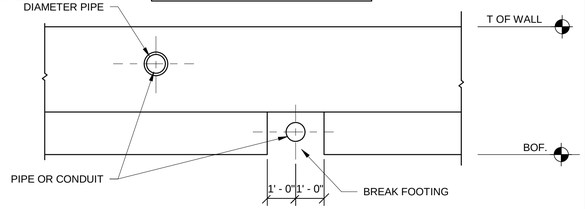


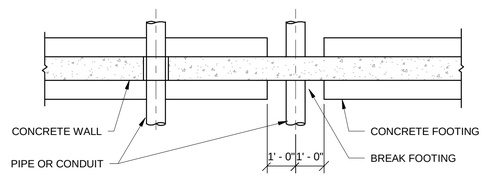
PLAN AT FOOTING CORNER

4 TYP. FOOTING INTERSECTIONS

S-501 SCALE: 3/4" = 1'-0"

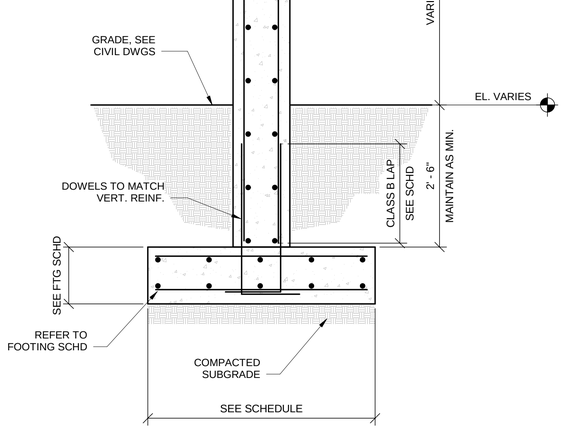
PROVIDE PIPE SLEEVE OR BREAK FOOTING AS APPROPRIATE AT ALL LOCATIONS WHERE PIPE OR CONDUIT PASSES THROUGH FOUNDATION. COORD W/OTHER TRADES





5 TYP. PIPE THROUGH FTG. OR WALL

S-501 SCALE: 3/8" = 1'-0"



6 TYP. WALL SECTION

S-501 SCALE: 3/4" = 1'-0"

0 8" 1'-4" 2'-8" SCALE: 3/4" = 1'-0"

0 1' 2' 4' SCALE: 1/2" = 1'-0"

0 2' 4' 8' SCALE: 1/4" = 1'-0"

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 502
NEW YORK, NEW YORK 10004
TEL: (646) 576-4024

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

LISTER PARK

ROCKVILLE CENTER

STRUCTURAL DETAILS

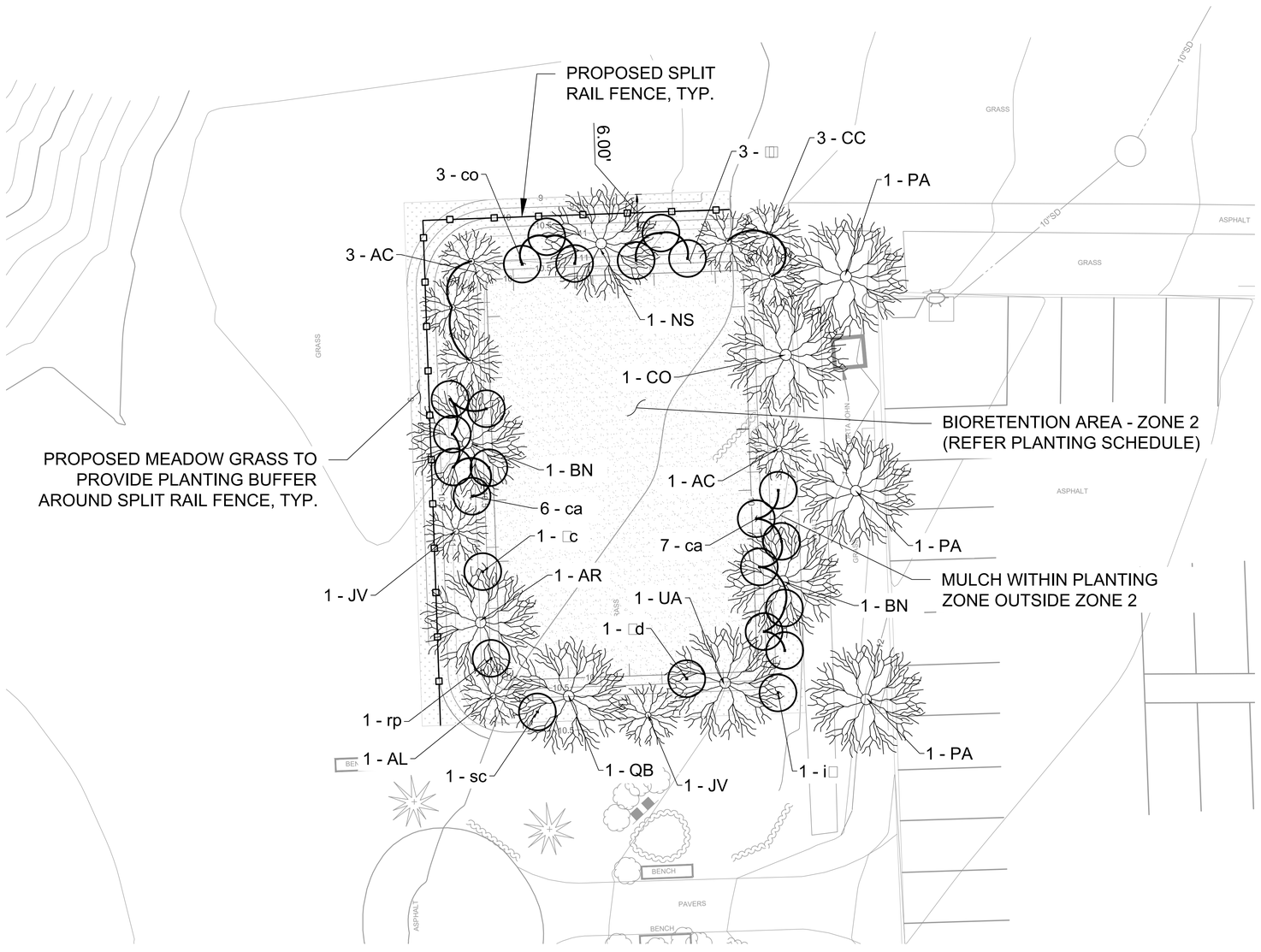
PROJ:	200-89763-18003
DESN:	SPS
DRWN:	BRF
CHKD:	ATC

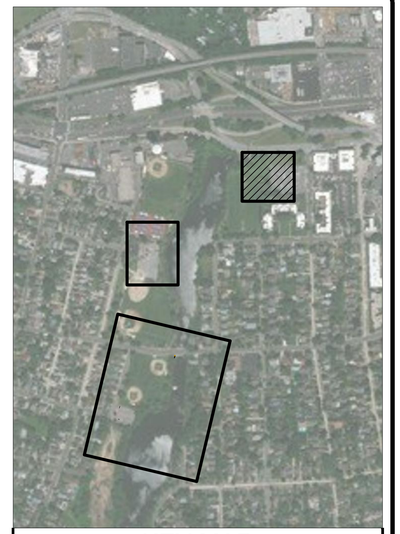
S-501

Copyright: Tetra Tech

Bar measures 1 inch, otherwise drawing is not to scale

C:\Users\sohan.shetty\Documents\S-LISTER PARK v2019_Sohan.Shetty@tetratech.com.rvt
3/6/2019 8:17:00 AM





KEY MAP SCALE" 1" = 500'

PLANTING SCHEDULE

Symbol	Quantity	Key	Scientific Name	Common Name	Size	Spacing	Condition	Notes
	Large Trees							
	1	AR	Acer rubrum 'Red Sunset'	Red Maple	3"-3-1/2" cal.	See Plan	B&B	Strong central leader
	2	BN	Betula nigra 'Heritage'	River birch	12'-14' ht	See Plan	B&B	Multi-stem
	1	CO	Celtis occidentalis	Hackberry	3"-3-1/2" cal.	See Plan	B&B	Strong central leader
	1	NS	Nyssa sylvatica	Black Gum	3"-3-1/2" cal.	See Plan	B&B	Strong central leader
	3	PA	Platanus x acerifolia	London Planetree	3"-3-1/2" cal.	See Plan	B&B	Strong central leader
	1	QB	Quercus bicolor	Swamp White Oak	3"-3-1/2" cal.	See Plan	B&B	Strong central leader
	-	QR	Quercus rubra	Red Oak	3"-3-1/2" cal.	See Plan	B&B	Strong central leader
	-	TA	Tilia americana 'Redmond'	Redmond Linden	3"-3-1/2" cal.	See Plan	B&B	Strong central leader
	-	TD	Taxodium distichum	Bald Cypress	3"-3-1/2" cal.	See Plan	B&B	Branched to ground
	1	UA	Ulmus americana 'Homestead'	Homestead Elm	3"-3-1/2" cal.	See Plan	B&B	Strong central leader
	Small Trees							
	4	AC	Amelanchier canadensis	Serviceberry	8'-10' ht	See Plan	B&B	Multi-stem
	1	AL	Alnus incana	Speckled Alder	8'-10' ht	See Plan	B&B	Multi-stem
	3	CC	Cercis canadensis	Redbud	8'-10' ht	See Plan	B&B	Full
	2	JV	Juniperus virginiana	Eastern Red Cedar	8'-10' ht	See Plan	B&B	Full
	-	MS	Malus sargentii	Sargent Crabapple	8'-10' ht	See Plan	B&B	Full
	Shrubs							
	3	co	Cephalanthus occidentalis	Buttonbush	3 Gallon	5' O.C.	Container	Full
	13	ca	Cornus ammomum	Silky Dogwood	3 Gallon	5' O.C.	Container	Full
	-	rg	Rhus glabra	Smooth Sumac	3 Gallon	4' O.C.	Container	Full
	-	ig	Ilex glabra	Inkberry	3 Gallon	4' O.C.	Container	Full
	1	iv	Ilex verticillata	Winterberry	3 Gallon	5' O.C.	Container	Full
	3	lb	Lindera benzoin	Spicebush	3 Gallon	4' O.C.	Container	Full
	1	rp	Rosa palustris	Swamp Rose	3 Gallon	4' O.C.	Container	Full
	1	sc	Sambuca canadensis	Elderberry	3 Gallon	5' O.C.	Container	Full
	1	vc	Vaccinium corymbosum	Highbush blueberry	3 Gallon	5' O.C.	Container	Full
	1	vd	Viburnum dentatum	Arrowwood Viburnum	3 Gallon	5' O.C.	Container	Full

Biofiltration Areas

Mulch within planting zone (outsize Zone 2)

Seed with wetland seed mix (Refer to Specifications)
Zone 2 Shallow Water Bench use Wetmix. Overplant with plugs 36" O.C. Equal mix of the following:

Carex vulpinoidea	Fox Sedge
Eupatorium maculatum	Spotted Joe Pye Weed
Iris versicolor	Blueflag Iris
Juncus effusus	Soft Rush
Scirpus cypericus	Woolgrass
Panicum virgatum	Switchgrass

N

0 5 10 20
SCALE: 1"=10'

TETRA TECH
www.tetratech.com
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

LISTER PARK PROJECT

TIGHE FIELD
LANDSCAPE PLAN

Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

L-101

Bar Measures 1 inch

Copyright: Tetra Tech

6/26/2020 2:06:29 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTRE\L-101 DETAILED LANDSCAPE AND LIGHTING PLAN.DWG - CABRERA, CHRISTIAN

PLANTING SCHEDULE

Symbol	Quantity	Key	Scientific Name	Common Name	Size	Spacing	Condition	Notes
	Large Trees							
	8	AR	Acer rubrum 'Red Sunset'	Red Maple	3"-3-1/2" cal.	See Plan	B&B	Strong central leader
	1	BN	Betula nigra 'Heritage'	River birch	12'-14' ht	See Plan	B&B	Multi-stem
	2	CO	Celtis occidentalis	Hackberry	3"-3-1/2" cal.	See Plan	B&B	Strong central leader
	1	NS	Nyssa sylvatica	Black Gum	3"-3-1/2" cal.	See Plan	B&B	Strong central leader
	9	PA	Platanus x acerifolia	London Planetree	3"-3-1/2" cal.	See Plan	B&B	Strong central leader
	1	QB	Quercus bicolor	Swamp White Oak	3"-3-1/2" cal.	See Plan	B&B	Strong central leader
	1	QR	Quercus rubra	Red Oak	3"-3-1/2" cal.	See Plan	B&B	Strong central leader
	-	TA	Tilia americana 'Redmond'	Redmond Linden	3"-3-1/2" cal.	See Plan	B&B	Strong central leader
	3	TD	Taxodium distichum	Bald Cypress	3"-3-1/2" cal.	See Plan	B&B	Branched to ground
	8	UA	Ulmus americana 'Homestead'	Homestead Elm	3"-3-1/2" cal.	See Plan	B&B	Strong central leader
	Small Trees							
	1	AC	Amelanchier canadensis	Serviceberry	8'-10' ht	See Plan	B&B	Multi-stem
	1	AL	Alnus incana	Speckled Alder	8'-10' ht	See Plan	B&B	Multi-stem
	7	CC	Cercis canadensis	Redbud	8'-10' ht	See Plan	B&B	Full
	1	JV	Juniperus virginiana	Eastern Red Cedar	8'-10' ht	See Plan	B&B	Full
	1	MS	Malus sargentii	Sargent Crabapple	8'-10' ht	See Plan	B&B	Full
	Shrubs							
	3	co	Cephalanthus occidentalis	Buttonbush	3 Gallon	5' O.C.	Container	Full
	4	ca	Cornus ammomum	Silky Dogwood	3 Gallon	5' O.C.	Container	Full
	-	rg	Rhus glabra	Smooth Sumac	3 Gallon	4' O.C.	Container	Full
	6	ig	Ilex glabra	Inkberry	3 Gallon	4' O.C.	Container	Full
	4	iv	Ilex verticillata	Winterberry	3 Gallon	5' O.C.	Container	Full
	6	lb	Lindera benzoin	Spicebush	3 Gallon	4' O.C.	Container	Full
	3	rp	Rosa palustris	Swamp Rose	3 Gallon	4' O.C.	Container	Full
	1	sc	Sambuca canadensis	Elderberry	3 Gallon	5' O.C.	Container	Full
	3	vc	Vaccinium corymbosum	Highbush blueberry	3 Gallon	5' O.C.	Container	Full
	2	vd	Viburnum dentatum	Arrowwood Viburnum	3 Gallon	5' O.C.	Container	Full

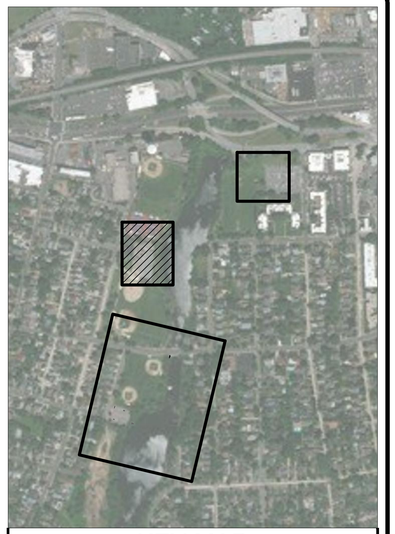
Biofiltration Areas

Mulch within planting zone (outsize Zone 2)

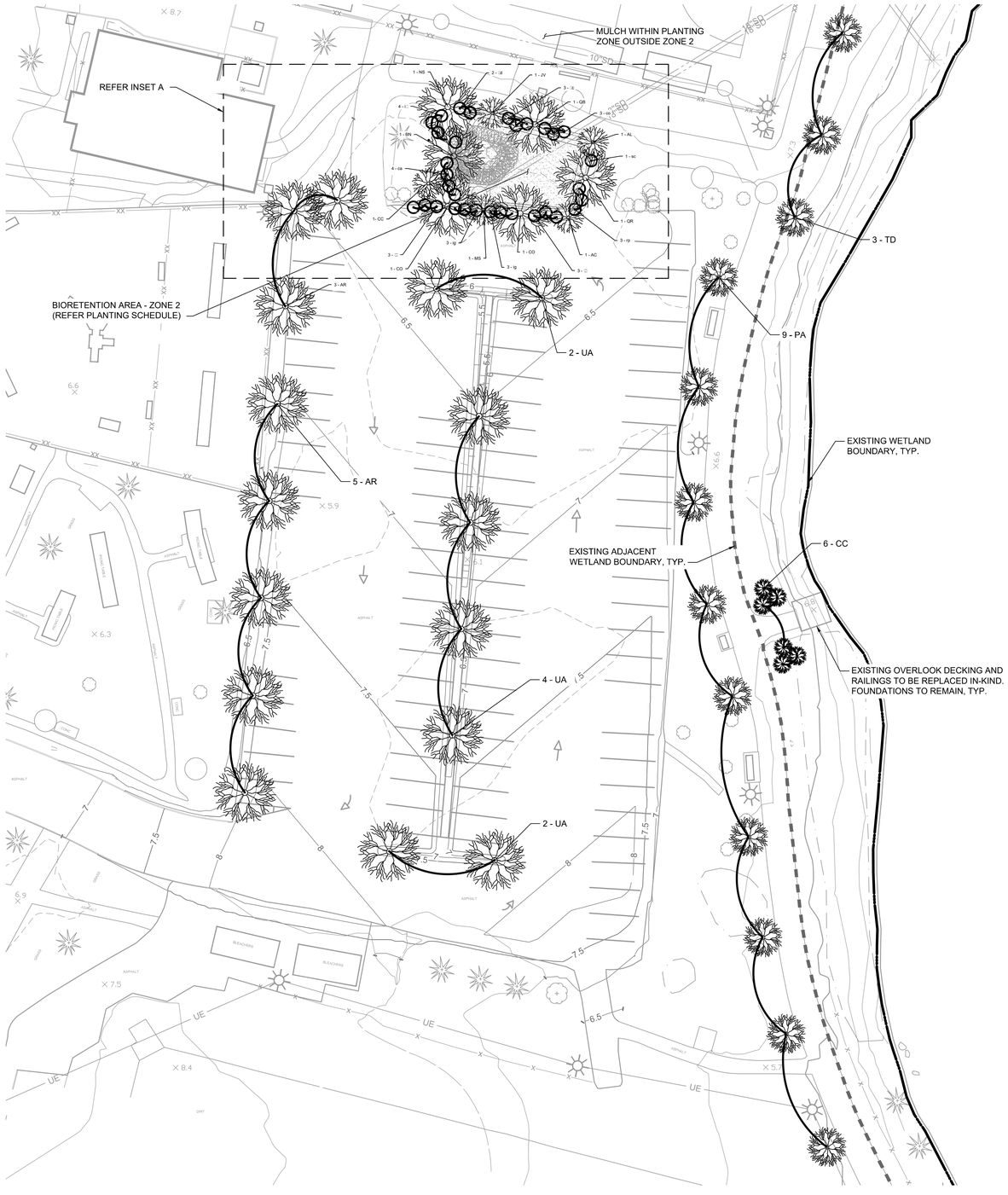
Seed with wetland seed mix (Refer to Specifications)

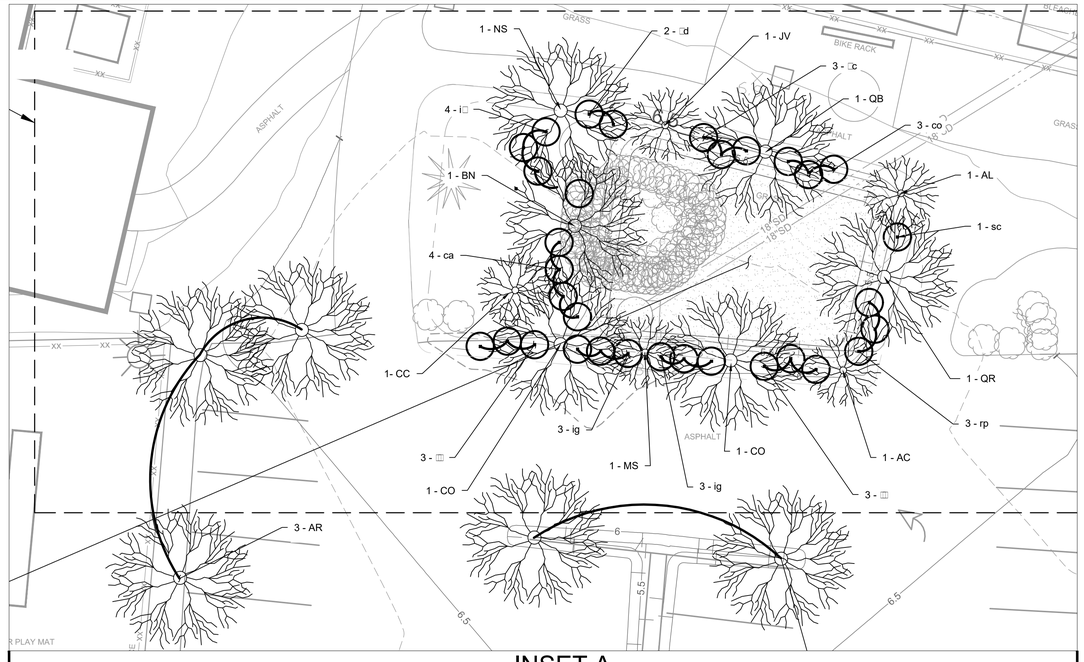
Zone 2 Shallow Water Bench use Wetmix. Overplant with plugs 36" O.C. Equal mix of the following:

Carex vulpinoidea	Fox Sedge
Eupatorium maculatum	Spotted Joe Pye Weed
Iris versicolor	Blueflag Iris
Juncus effusus	Soft Rush
Scirpus cypericus	Woolgrass
Panicum virgatum	Switchgrass



KEY MAP SCALE 1" = 500'





INSET A SCALE: 1" = 10'

N

0 10 20 40

SCALE: 1"=20'

TETRA TECH
www.tetratech.com
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

LISTER PARK PROJECT

CENTENNIAL FIELD
LANDSCAPE PLAN

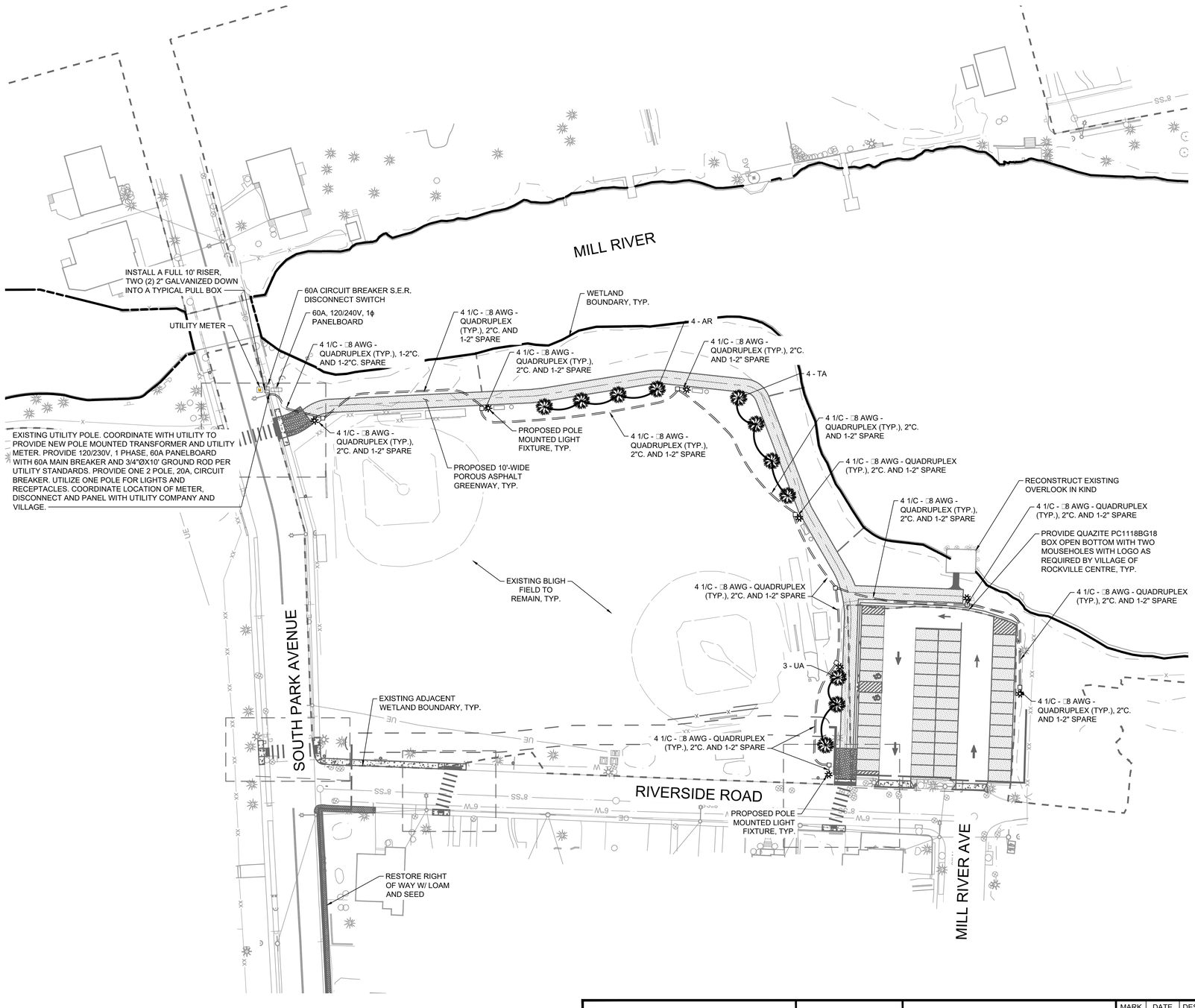
Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

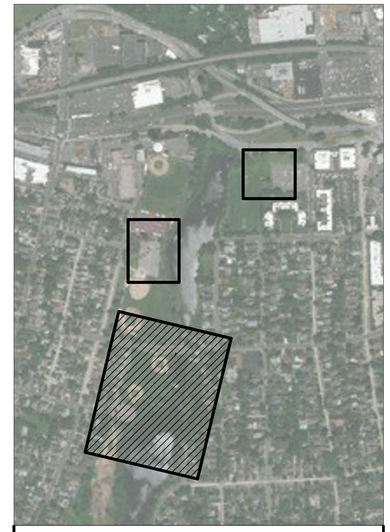
L-102

Bar Measures 1 inch

Copyright: Tetra Tech

6/26/2020 2:07:33 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTREIL-101 DETAILED LANDSCAPE AND LIGHTING PLAN.DWG - CABRERA, CHRISTIAN





KEY MAP SCALE" 1" = 500'

PLANTING SCHEDULE

Symbol	Quantity	Key	Scientific Name	Common Name	Size	Spacing	Condition	Notes
	Large Trees							
	4	AR	Acer rubrum 'Red Sunset'	Red Maple	3"-3-1/2" cal.	See Plan	B&B	Strong central leader
	-	BN	Betula nigra 'Heritage'	River birch	12'-14' ht	See Plan	B&B	Multi-stem
	-	CO	Celtis occidentalis	Hackberry	3"-3-1/2" cal.	See Plan	B&B	Strong central leader
	-	NS	Nyssa sylvatica	Black Gum	3"-3-1/2" cal.	See Plan	B&B	Strong central leader
	-	PA	Platanus x acerifolia	London Planetree	3"-3-1/2" cal.	See Plan	B&B	Strong central leader
	-	QB	Quercus bicolor	Swamp White Oak	3"-3-1/2" cal.	See Plan	B&B	Strong central leader
	-	QR	Quercus rubra	Red Oak	3"-3-1/2" cal.	See Plan	B&B	Strong central leader
	4	TA	Tilia americana 'Redmond'	Redmond Linden	3"-3-1/2" cal.	See Plan	B&B	Strong central leader
	-	TD	Taxodium distichum	Bald Cypress	3"-3-1/2" cal.	See Plan	B&B	Branched to ground
	3	UA	Ulmus americana 'Homestead'	Homestead Elm	3"-3-1/2" cal.	See Plan	B&B	Strong central leader
	Small Trees							
	-	AC	Amelanchier canadensis	Serviceberry	8'-10' ht	See Plan	B&B	Multi-stem
	-	AL	Alnus incana	Speckled Alder	8'-10' ht	See Plan	B&B	Multi-stem
	-	CC	Cercis canadensis	Redbud	8'-10' ht	See Plan	B&B	Full
	-	JV	Juniperus virginiana	Eastern Red Cedar	8'-10' ht	See Plan	B&B	Full
	-	MS	Malus sargentii	Sargent Crabapple	8'-10' ht	See Plan	B&B	Full
	Shrubs							
	-	co	Cephalanthus occidentalis	Buttonbush	3 gallon	5' oc	Container	Full
	-	ca	Cornus ammomum	Silky Dogwood	3 gallon	5' oc	Container	Full
	-	rg	Rhus glabra	Smooth Sumac	3 gallon	4' oc	Container	Full
	-	ig	Ilex glabra	Inkberry	3 gallon	4' oc	Container	Full
	-	iv	Ilex verticillata	Winterberry	3 gallon	5' oc	Container	Full
	-	lb	Lindera benzoin	Spicebush	3 gallon	4' oc	Container	Full
	-	rp	Rosa palustris	Swamp Rose	3 gallon	4' oc	Container	Full
	-	sc	Sambuca canadensis	Elderberry	3 gallon	5' oc	Container	Full
	-	vc	Vaccinium corymbosum	Highbush blueberry	3 gallon	5' oc	Container	Full
	-	vd	Viburnum dentatum	Arrowwood Viburnum	3 gallon	5' oc	Container	Full

NOTES:

1. SEE DRAWING L-501 - LIGHTING DETAILS FOR ADDITIONAL LIGHTING INFORMATION INCLUDING LIGHTING TYPE, POLE HEIGHT, COLOR, ETC.
2. ALL UNDERGROUND DUCTS SHALL BE 2" SCHEDULE 80 PVC CONDUITS AS SPECIFIED ON THE DRAWING.
3. THE WIRE SIZE IS THE VILLAGE OF ROCKVILLE CENTRE STANDARD CONSISTING OF 4 1/C - #8 AWG - QUADRUPLEX UNDERGROUND WIRE. IT IS TO BE SEVEN (7) STRANDED ANNEALED COPPER, RATED 600 VOLTS WITH 45 MILS OF POLYETHYLENE INSULATION IN COMPLIANCE WITH THE LATEST ANSI 76-477 STANDARD. THE NEUTRAL MESSENGER IS TO BE CONCENTRICALLY STRANDED BARE COPPER. ACSR NEUTRAL-MESSENGER WILL NOT BE ACCEPTABLE.

0 20 40 80
SCALE: 1"=40'

TETRA TECH
www.tetratech.com
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

LISTER PARK PROJECT

BLIGH FIELD -
LANDSCAPE AND LIGHTING PLAN

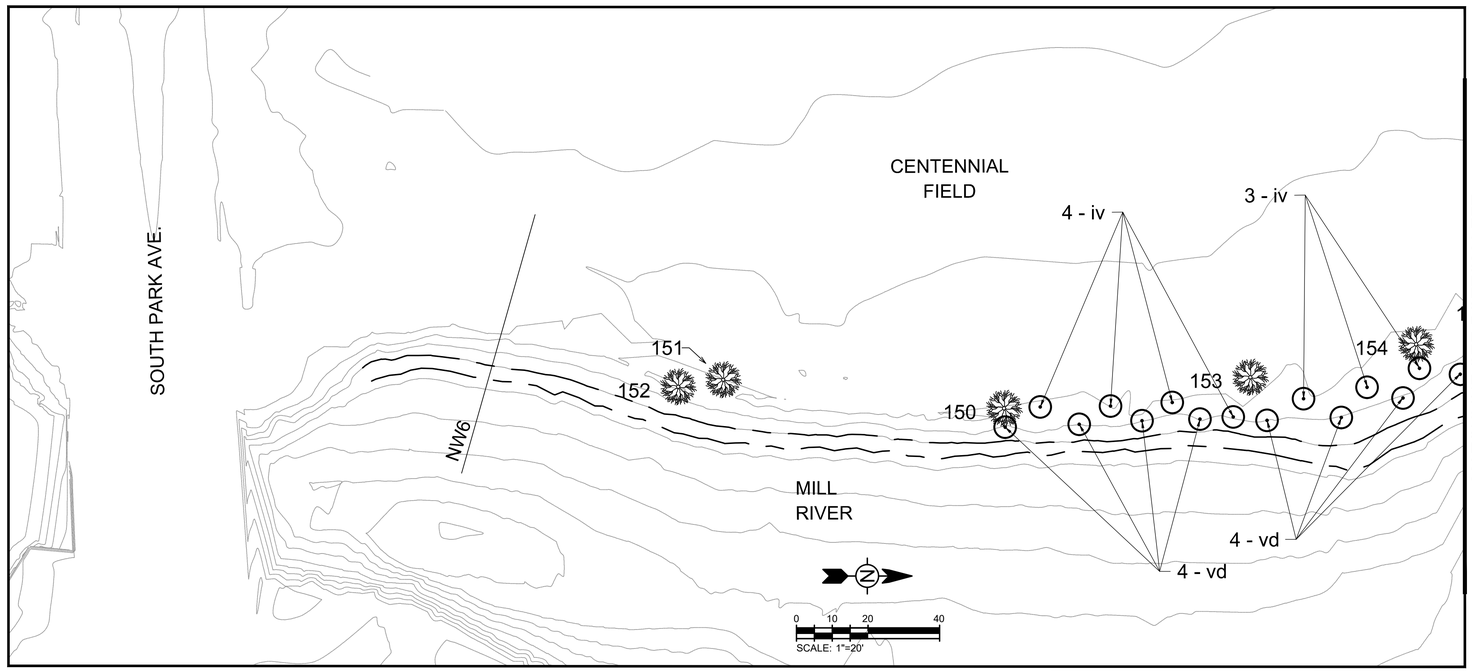
Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

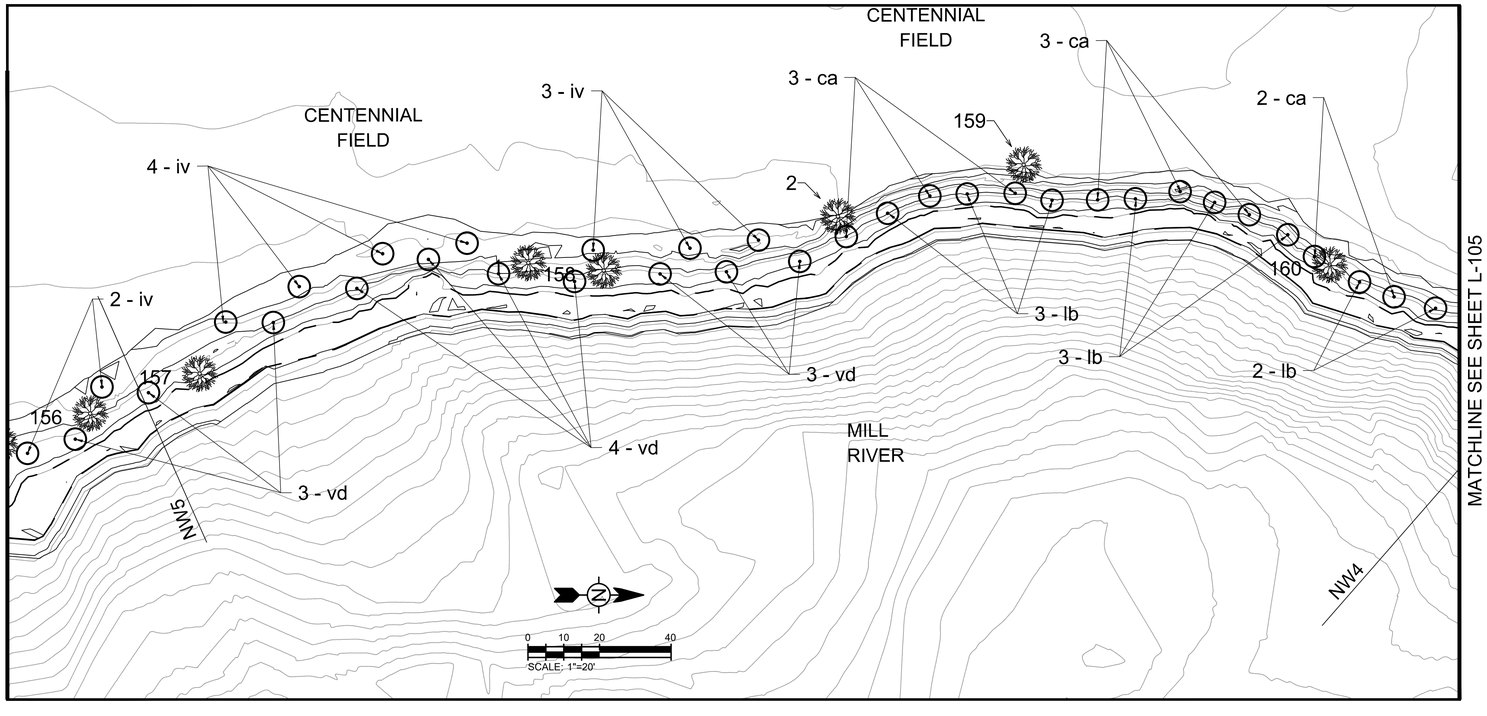
L-103

Copyright Tetra Tech

Bar Measures 1 inch

6/26/2020 1:59:34 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTRE\L-101 DETAILED LANDSCAPE AND LIGHTING PLAN.DWG - CABRERA, CHRISTIAN





PLANTING NOTES

1. ROCK SILLS WILL BE CONTINUOUS THROUGHOUT THE AREA AS SHOWN ON THE PLANS, EXCEPT IN THE VICINITY OF STABILIZED AND PRESERVED TREES. CONTRACTOR SHALL MAINTAIN AN UNDISTURBED BUFFER AROUND THE TREE THAT IS DEFINED BY THE LIMITS OF ITS DRIP LINE OR A MINIMUM OF 20 FEET FROM THE TRUNK, WHICHEVER IS LARGER, AROUND TREES MARKED TO REMAIN. AREAS WITH EXPOSED ROOTS AROUND TREES MARKED TO PRESERVE SHALL BE LIMITED TO 3 INCHES OF SOIL PLACEMENT OVER ROOTS. TREES MARKED AS STABILIZED MAY REQUIRE ADDITIONAL BACKFILLING UNDERNEATH THE ROOT STRUCTURE FOR SUPPORT.
2. SOIL PLACEMENT OVER EXISTING TREE ROOTS SHOULD BE LIMITED TO A MAXIMUM OF 3 INCHES. SOILS WITH LOAMY TEXTURE AND GOOD STRUCTURE SHOULD BE USED.
3. SEE NOTES ON CROSS SECTIONS FOR DETAILS OF SHRUBS.

LEGEND

137
136
PRESERVE TREE
STABLIZE TREE
PS
PROPOSED TREE
MEAN HIGH WATER (+2.0 ft NAVD)
MEAN LOW WATER (+1.3 ft NAVD)
ROCK SILL
COIR LOG WITH SCIRPUS CYPERICUS AT 36" O.C.

PLANTING SCHEDULE

NORTHWEST SECTION (NW)

Symbol	Quantity	Key	Scientific Name	Common Name	Size	Spacing	Condition	Notes
	Large Trees							
	1	NS	Nyssa sylvatica	Black Gum	3"-3-1/2" cal.	See Plan	B&B	Strong central leader
	1	AR	Acer rubrum 'Red Sunset'	Red Maple	3"-3-1/2" cal.	See Plan	B&B	Strong central leader
	1	PS	Prunus serotina	Black Cherry	12'-14'	See Plan	B&B	Strong central leader
	Small Trees							
	2	CC	Cercis canadensis	Redbud	8'-10' ht	See Plan	B&B	Full
	Shrubs							
	27	ca	Cornus ammomum	Silky Dogwood	3 Gallon	See Plan	Container	Full
	22	rg	Rhus glabra	Smooth Sumac	3 Gallon	See Plan	Container	Full
	8	ig	Ilex glabra	Inkberry	3 Gallon	See Plan	Container	Full
	17	iv	Ilex verticillata	Winterberry	3 Gallon	See Plan	Container	Full
	26	lb	Lindera benzoin	Spicebush	3 Gallon	See Plan	Container	Full
	8	sc	Sambuca canadensis	Elderberry	3 Gallon	See Plan	Container	Full
	18	vd	Viburnum dentatum	Arrowwood Viburnum	3 Gallon	See Plan	Container	Full
	Herbs/Grasses							
	9	st	Schoenoplectus tabernaemontanii	Soft-stem Bulrush	Plug	See Plan	Container	Full
	8	ab	Amophila brevigulata fern	Cape' American Beachgrass	Plug	See Plan	Container	Full
	32	rh	Rudbeckia hirta	Black-eyed susan	Quart	See Plan	Container	Full
	*	scy	Scirpus cypericus	Woolgrass	Plug	See Plan	Container	Full
	Zone 1 (above MHW) Plugs 36" O.C. Equal mix of the following:							
			Amophila brevigulata fern	Cape' American Beachgrass		See Plan		
			Panicum virgatum	Switchgrass		See Plan		
			Carex vulpinoidea	Fox Sedge		See Plan		
	Zone 2 (below MHW) Plugs 36" O.C. Equal mix of the following:							
			Iris versicolor	Blueflag Iris		See Plan		
			Juncus effusus	Soft Rush		See Plan		
			Scirpus cypericus	Woolgrass		See Plan		

TETRA TECH
www.tetratech.com
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

LISTER PARK PROJECT

LANDSCAPE PLAN - LIVING SHORELINE
NORTHWEST (1 OF 2)

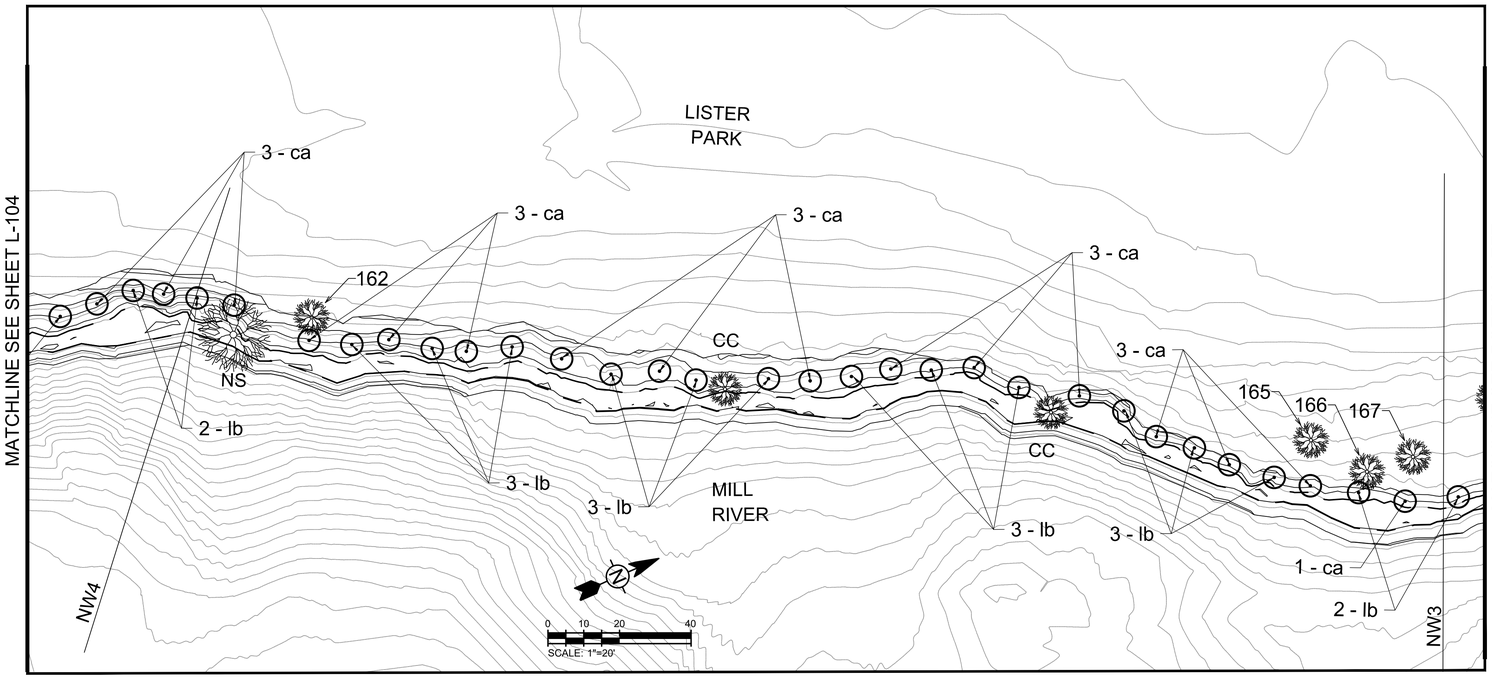
Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

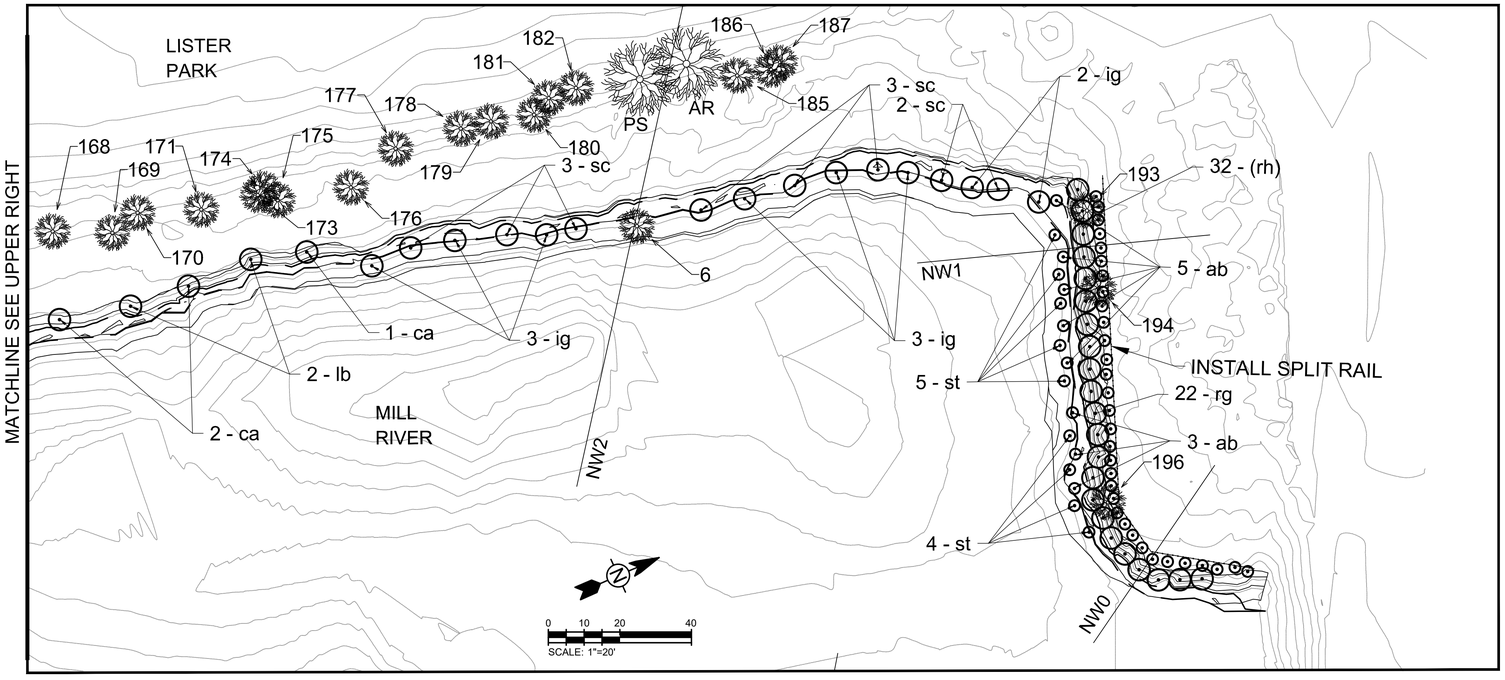
L-104

Bar Measures 1 inch

Copyright Tetra Tech

6/26/2020 2:11:06 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTRE\L-104 LANDSCAPE PLAN - LIVING SHORELINE.DWG - CABRERA, CHRISTIAN





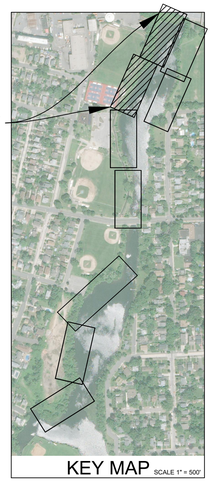
PLANTING NOTES

1. ROCK SILLS WILL BE CONTINUOUS THROUGHOUT THE AREA AS SHOWN ON THE PLANS, EXCEPT IN THE VICINITY OF STABILIZED AND PRESERVED TREES. CONTRACTOR SHALL MAINTAIN AN UNDISTURBED BUFFER AROUND THE TREE THAT IS DEFINED BY THE LIMITS OF ITS DRIP LINE OR A MINIMUM OF 20 FEET FROM THE TRUNK, WHICHEVER IS LARGER, AROUND TREES MARKED TO REMAIN. AREAS WITH EXPOSED ROOTS AROUND TREES MARKED TO PRESERVE SHALL BE LIMITED TO 3 INCHES OF SOIL PLACEMENT OVER ROOTS. TREES MARKED AS STABILIZED MAY REQUIRE ADDITIONAL BACKFILLING UNDERNEATH THE ROOT STRUCTURE FOR SUPPORT.
2. SOIL PLACEMENT OVER EXISTING TREE ROOTS SHOULD BE LIMITED TO A MAXIMUM OF 3 INCHES. SOILS WITH LOAMY TEXTURE AND GOOD STRUCTURE SHOULD BE USED.
3. SEE NOTES ON CROSS SECTIONS FOR DETAILS OF SHRUBS.

LEGEND

137
136
PRESERVE TREE
STABLIZE TREE
PS
PROPOSED TREE
MEAN HIGH WATER (+2.0 ft NAVD)
MEAN LOW WATER (+1.3 ft NAVD)
ROCK SILL
COIR LOG WITH SCIRPUS CYPERICUS AT 36" O.C.

THIS SHEET



PLANTING SCHEDULE

NORTHWEST SECTION (NW)

Symbol	Quantity	Key	Scientific Name	Common Name	Size	Spacing	Condition	Notes
	Large Trees							
	1	NS	Nyssa sylvatica	Black Gum	3"-3-1/2" cal.	See Plan	B&B	Strong central leader
	1	AR	Acer rubrum 'Red Sunset'	Red Maple	3"-3-1/2" cal.	See Plan	B&B	Strong central leader
	1	PS	Prunus serotina	Black Cherry	12'-14'	See Plan	B&B	Strong central leader
	Small Trees							
	2	CC	Cercis canadensis	Redbud	8'-10' ht	See Plan	B&B	Full
	Shrubs							
	27	ca	Cornus ammomum	Silky Dogwood	3 Gallon	See Plan	Container	Full
	22	rg	Rhus glabra	Smooth Sumac	3 Gallon	See Plan	Container	Full
	8	ig	Ilex glabra	Inkberry	3 Gallon	See Plan	Container	Full
	17	iv	Ilex verticillata	Winterberry	3 Gallon	See Plan	Container	Full
	26	lb	Lindera benzoin	Spicebush	3 Gallon	See Plan	Container	Full
	8	sc	Sambuca canadensis	Elderberry	3 Gallon	See Plan	Container	Full
	18	vd	Viburnum dentatum	Arrowwood Viburnum	3 Gallon	See Plan	Container	Full
	Herbs/Grasses							
	9	st	Schoenoplectus tabernaemontanii	Soft-stem Bulrush	Plug	See Plan	Container	Full
	8	ab	Amophila brevigulata fern	Cape' American Beachgrass	Plug	See Plan	Container	Full
	32	rh	Rudbeckia hirta	Black-eyed susan	Quart	See Plan	Container	Full
	*	scy	Scirpus cypericus	Woolgrass	Plug	See Plan	Container	Full
	Zone 1 (above MHW) Plugs 36" O.C. Equal mix of the following:							
			Amophila brevigulata fern	Cape' American Beachgrass		See Plan		
			Panicum virgatum	Switchgrass		See Plan		
			Carex vulpinoidea	Fox Sedge		See Plan		
	Zone 2 (below MHW) Plugs 36" O.C. Equal mix of the following:							
			Iris versicolor	Blueflag Iris		See Plan		
			Juncus effusus	Soft Rush		See Plan		
			Scirpus cypericus	Woolgrass		See Plan		

TETRA TECH
www.tetratech.com
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

LISTER PARK PROJECT

LANDSCAPE PLAN - LIVING SHORELINE
NORTHWEST (2 OF 2)

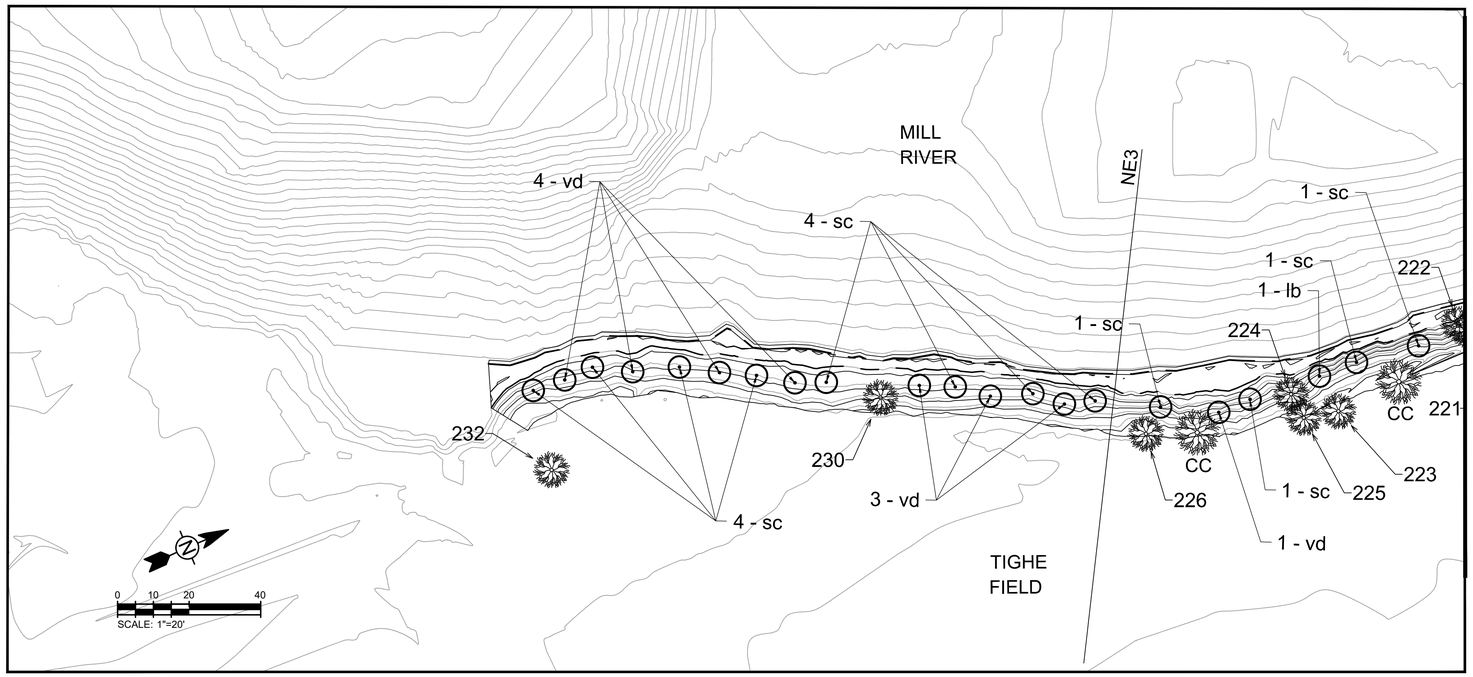
Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

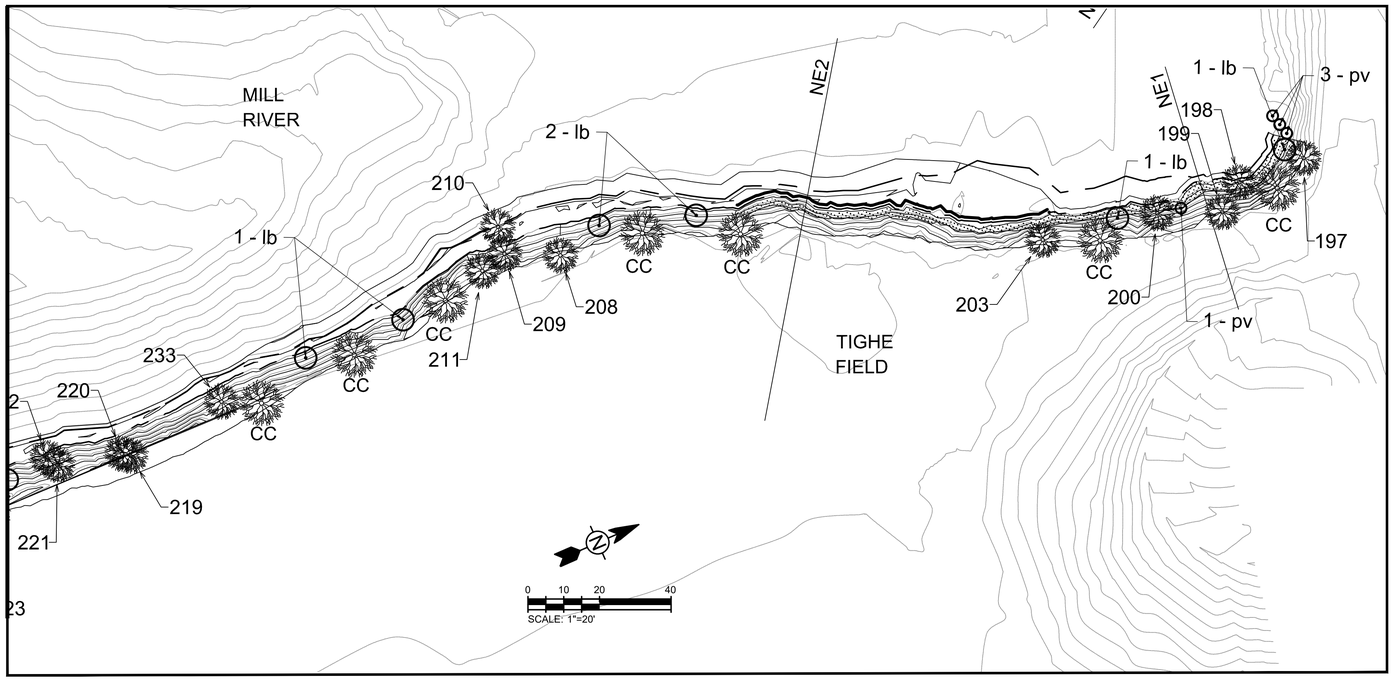
L-105

Bar Measures 1 inch

Copyright: Tetra Tech

6/26/2020 2:12:07 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTRE\L-104 LANDSCAPE PLAN - LIVING SHORELINE.DWG - CABRERA, CHRISTIAN





PLANTING NOTES

1. ROCK SILLS WILL BE CONTINUOUS THROUGHOUT THE AREA AS SHOWN ON THE PLANS, EXCEPT IN THE VICINITY OF STABILIZED AND PRESERVED TREES. CONTRACTOR SHALL MAINTAIN AN UNDISTURBED BUFFER AROUND THE TREE THAT IS DEFINED BY THE LIMITS OF ITS DRIP LINE OR A MINIMUM OF 20 FEET FROM THE TRUNK, WHICHEVER IS LARGER, AROUND TREES MARKED TO REMAIN. AREAS WITH EXPOSED ROOTS AROUND TREES MARKED TO PRESERVE SHALL BE LIMITED TO 3 INCHES OF SOIL PLACEMENT OVER ROOTS. TREES MARKED AS STABILIZED MAY REQUIRE ADDITIONAL BACKFILLING UNDERNEATH THE ROOT STRUCTURE FOR SUPPORT.
2. SOIL PLACEMENT OVER EXISTING TREE ROOTS SHOULD BE LIMITED TO A MAXIMUM OF 3 INCHES. SOILS WITH LOAMY TEXTURE AND GOOD STRUCTURE SHOULD BE USED.
3. SEE NOTES ON CROSS SECTIONS FOR DETAILS OF SHRUBS.

LEGEND

137
136 PRESERVE TREE

STABLIZE TREE

PS PROPOSED TREE

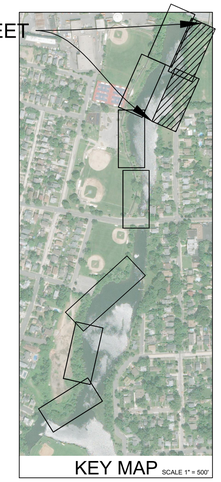
MEAN HIGH WATER (+2.0 ft NAVD)

MEAN LOW WATER (+1.3 ft NAVD)

ROCK SILL

COIR LOG WITH SCIRPUS CYPERICUS AT 36" O.C.

THIS SHEET



PLANTING SCHEDULE

NORTHEAST SECTION (NE)

Symbol	Quantity	Key	Scientific Name	Common Name	Size	Spacing	Condition	Notes
	Small Trees							
	9	CC	Cercis canadensis	Redbud	8'-10' ht	See Plan	B&B	Full
	Shrubs							
	6	lb	Lindera benzoin	Spicebush	3 Gallon	See Plan	Container	Full
	12	sc	Sambuca canadensis	Elderberry	3 Gallon	See Plan	Container	Full
	8	vd	Viburnum dentatum	Arrowwood Viburnum	3 Gallon	See Plan	Container	Full
	Herbs/Grasses							
	*	scy	Scirpus cypericus	Woolgrass	Plug	See Plan	Container	Full
	4	pv	Panicum virgatum	Switchgrass	Plug	36" O.C.	Container	Full
	Zone 1 (above MHW) Plugs 36" O.C. Equal mix of the following:							
			Amophila brevigulata fern	Cape' American Beachgrass				
			Panicum virgatum	Switchgrass				
			Carex vulpinoidea	Fox Sedge				
	Zone 2 (below MHW) Plugs 36" O.C. Equal mix of the following:							
			Iris versicolor	Blueflag Iris				
			Juncus effusus	Soft Rush				
			Scirpus cypericus	Woolgrass				
	Zone 3 Upland Seed Mix							
			Bromus inermis	Smooth Bromegrass				
			Medicago sativa	Alfalfa				

TETRA TECH
www.tetratech.com
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

LISTER PARK PROJECT

LANDSCAPE PLAN - LIVING SHORELINE
NORTHEAST

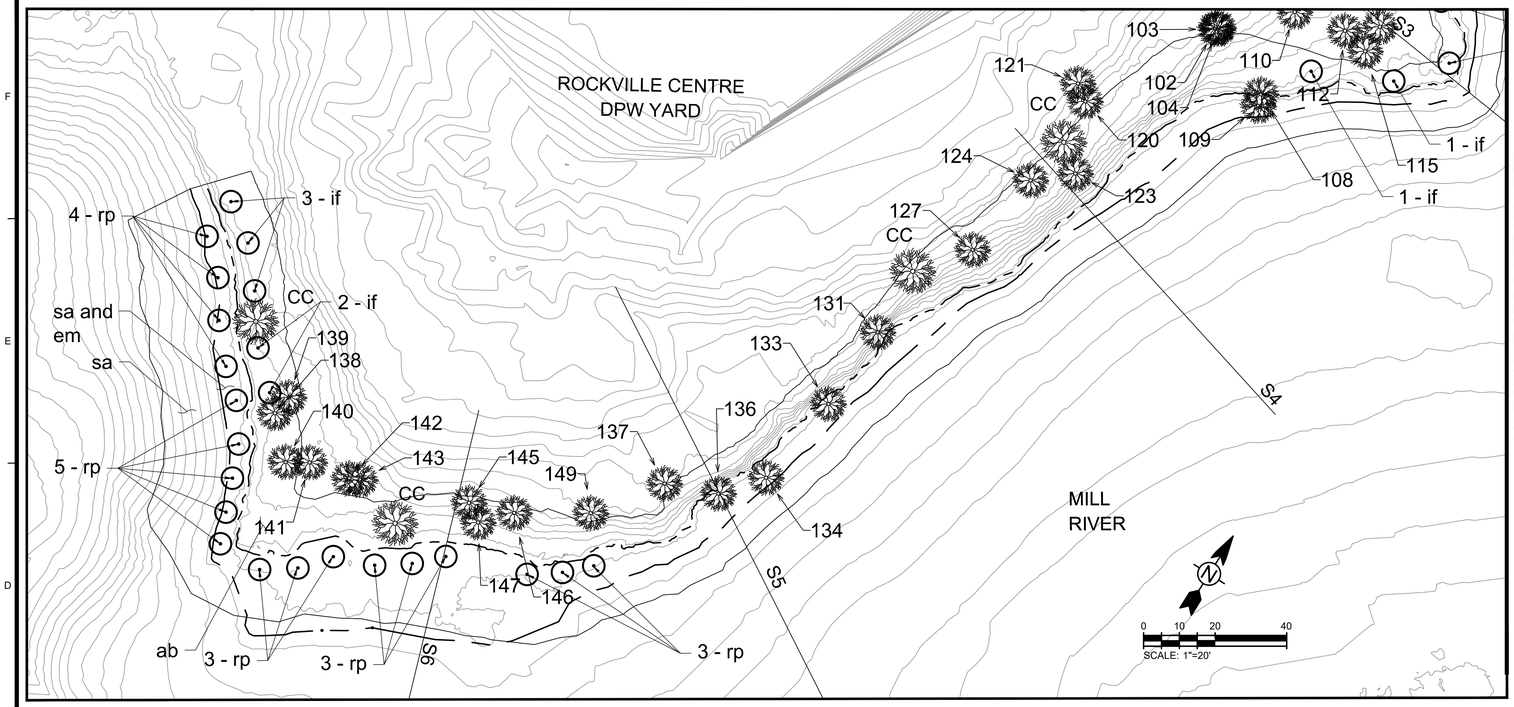
Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

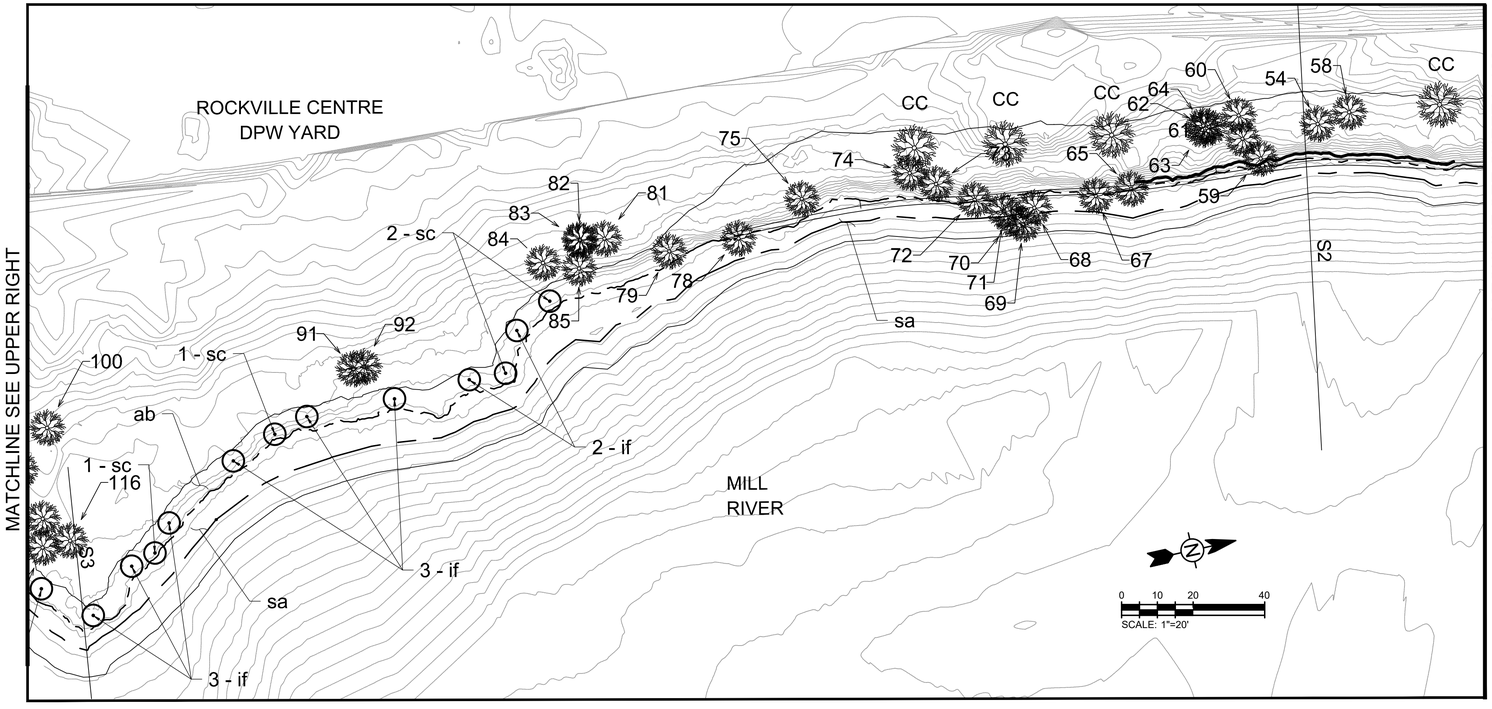
L-106

Copyright: Tetra Tech

Bar Measures 1 inch

6/26/2020 2:13:29 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTRE\LL-104 LANDSCAPE PLAN - LIVING SHORELINE.DWG - CABRERA, CHRISTIAN





PLANTING NOTES

1. ROCK SILLS WILL BE CONTINUOUS THROUGHOUT THE AREA AS SHOWN ON THE PLANS, EXCEPT IN THE VICINITY OF STABILIZED AND PRESERVED TREES. CONTRACTOR SHALL MAINTAIN AN UNDISTURBED BUFFER AROUND THE TREE THAT IS DEFINED BY THE LIMITS OF ITS DRIP LINE OR A MINIMUM OF 20 FEET FROM THE TRUNK, WHICHEVER IS LARGER, AROUND TREES MARKED TO REMAIN. AREAS WITH EXPOSED ROOTS AROUND TREES MARKED TO PRESERVE SHALL BE LIMITED TO 3 INCHES OF SOIL PLACEMENT OVER ROOTS. TREES MARKED AS STABILIZED MAY REQUIRE ADDITIONAL BACKFILLING UNDERNEATH THE ROOT STRUCTURE FOR SUPPORT.
2. SOIL PLACEMENT OVER EXISTING TREE ROOTS SHOULD BE LIMITED TO A MAXIMUM OF 3 INCHES. SOILS WITH LOAMY TEXTURE AND GOOD STRUCTURE SHOULD BE USED.
3. SEE NOTES ON CROSS SECTIONS FOR DETAILS OF SHRUBS.

LEGEND

137
136
PRESERVE TREE
STABLIZE TREE
PS
PROPOSED TREE
MEAN HIGH WATER (+2.7 ft NAVD)
MEAN LOW WATER (+1.3 ft NAVD)
ROCK SILL
COIR LOG WITH SCIRPUS CYPERICUS AT 36" O.C.

PLANTING SCHEDULE

SOUTH SECTION (S)

Symbol	Quantity	Key	Scientific Name	Common Name	Size	Spacing	Condition	Notes
	Small Trees							
	9	CC	Cercis canadensis	Redbud	8'-10' ht	See Plan	B&B	Full
	Shrubs							
	18	rp	Rosa palustris	Swamp Rose	3 Gallon	See Plan	Container	Full
	23	sc	Sambuca canadensis	Elderberry	3 Gallon	See Plan	Container	Full
	15	if	Iva frutescens	High Tide Bush	2 Gallon	See Plan	Container	Full
	Herbs/Grasses							
	*	sa	Spartina alterniflora	Bayshore Smooth Cordgrass	1 Gallon	5' O.C.	Container	Full
	*	ab	Ammophila breviligulata	Cape' American Beachgrass	Plug	18" O.C.	Container	Full
	*	em	Eupatorium maculatum	Spotted Joe Pye Weed	Plug	24" O.C.	Container	Full
	Steep Embankments							
	Zone 4		Seed with Erosion Control Mix (Refer to Specifications)					

TETRA TECH
www.tetratech.com
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

LISTER PARK PROJECT

LANDSCAPE PLAN - LIVING SHORELINE
SOUTH (1 OF 2)

Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

L-107

Copyright: Tetra Tech

6/26/2020 2:14:32 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTRE\L-104 LANDSCAPE PLAN - LIVING SHORELINE.DWG - CABRERA, CHRISTIAN

PLANTING SCHEDULE

SOUTH SECTION (S)

Symbol	Quantity	Key	Scientific Name	Common Name	Size	Spacing	Condition	Notes
	Small Trees							
	9	CC	Cercis canadensis	Redbud	8'-10' ht	See Plan	B&B	Full
	Shrubs							
	18	rp	Rosa palustris	Swamp Rose	3 Gallon	See Plan	Container	Full
	23	sc	Sambuca canadensis	Elderberry	3 Gallon	See Plan	Container	Full
	15	if	Iva frutescens	High Tide Bush	2 Gallon	See Plan	Container	Full
	Herbs/Grasses							
	*	sa	Spartina alterniflora	Bayshore Smooth Cordgrass	1 Gallon	5' O.C.	Container	Full
	*	ab	Ammophila breviligulata	Cape' American Beachgrass	Plug	18" O.C.	Container	Full
	*	em	Eupatorium maculatum	Spotted Joe Pye Weed	Plug	24" O.C.	Container	Full
	Steep Embankments							
	Zone 4		Seed with Erosion Control Mix (Refer to Specifications)					

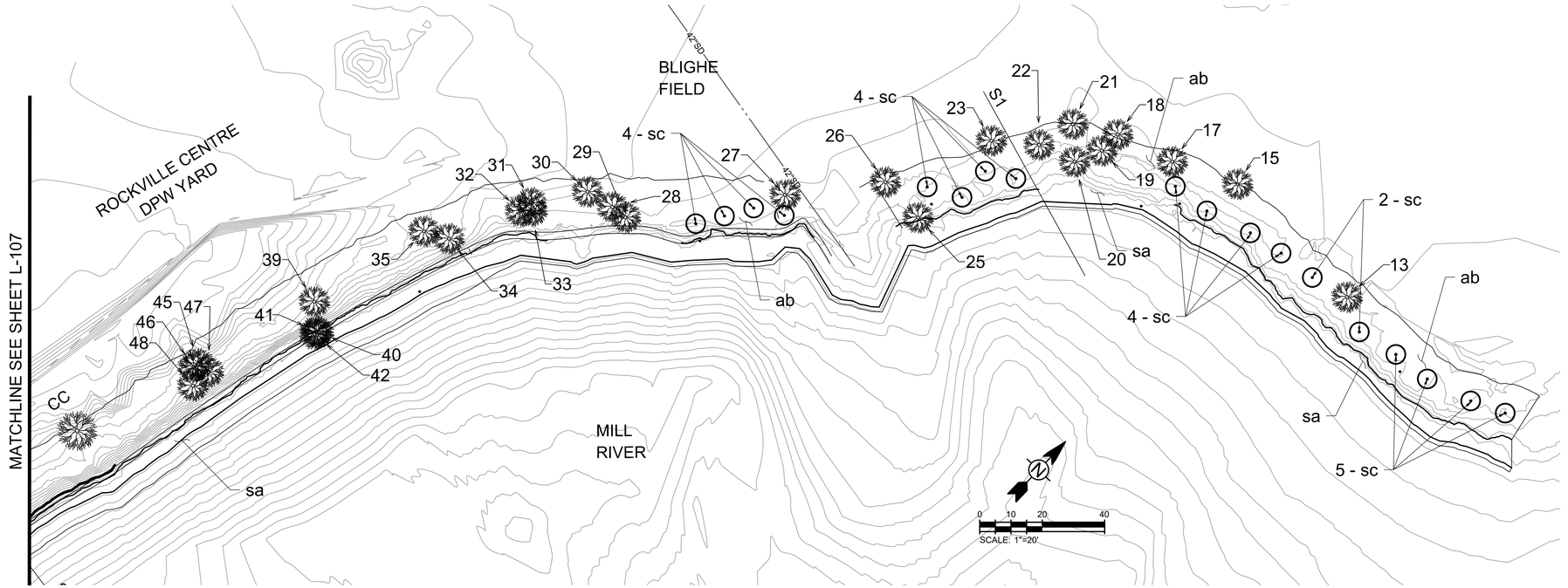
PLANTING NOTES

1. ROCK SILLS WILL BE CONTINUOUS THROUGHOUT THE AREA AS SHOWN ON THE PLANS, EXCEPT IN THE VICINITY OF STABILIZED AND PRESERVED TREES. CONTRACTOR SHALL MAINTAIN AN UNDISTURBED BUFFER AROUND THE TREE THAT IS DEFINED BY THE LIMITS OF ITS DRIP LINE OR A MINIMUM OF 20 FEET FROM THE TRUNK, WHICHEVER IS LARGER, AROUND TREES MARKED TO REMAIN. AREAS WITH EXPOSED ROOTS AROUND TREES MARKED TO PRESERVE SHALL BE LIMITED TO 3 INCHES OF SOIL PLACEMENT OVER ROOTS. TREES MARKED AS STABILIZED MAY REQUIRE ADDITIONAL BACKFILLING UNDERNEATH THE ROOT STRUCTURE FOR SUPPORT.
2. SOIL PLACEMENT OVER EXISTING TREE ROOTS SHOULD BE LIMITED TO A MAXIMUM OF 3 INCHES. SOILS WITH LOAMY TEXTURE AND GOOD STRUCTURE SHOULD BE USED.
3. SEE NOTES ON CROSS SECTIONS FOR DETAILS OF SHRUBS.

LEGEND

- 137 / 136 — PRESERVE TREE
- STABLIZE TREE
- PS — PROPOSED TREE
- MEAN HIGH WATER (+2.7 ft NAVD)
- MEAN LOW WATER (+1.3 ft NAVD)
- ROCK SILL
- COIR LOG WITH SCIRPUS CYPERICUS AT 36" O.C.

THIS SHEET



TETRA TECH www.tetratech.com 498 7TH AVENUE, 15TH FLOOR NEW YORK, NY 10018 PHONE: (646) 576-4034	DRAFT 100% NOT FOR CONSTRUCTION	

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

LISTER PARK PROJECT

LANDSCAPE PLAN - LIVING SHORELINE
SOUTH (2 OF 2)

Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

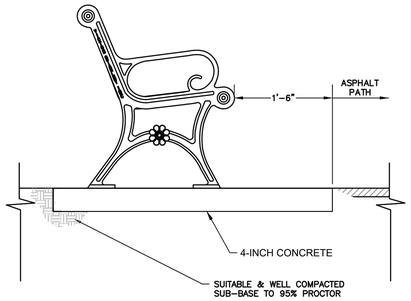
L-108

Copyright: Tetra Tech

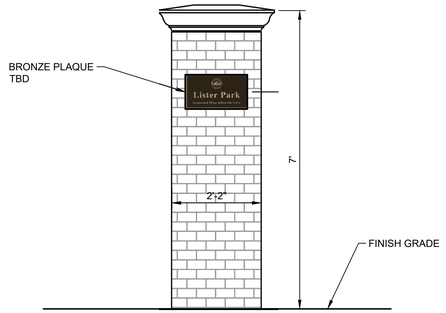
6/26/2020 2:15:26 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTREIL-104 LANDSCAPE PLAN - LIVING SHORELINE.DWG - CABRERA, CHRISTIAN

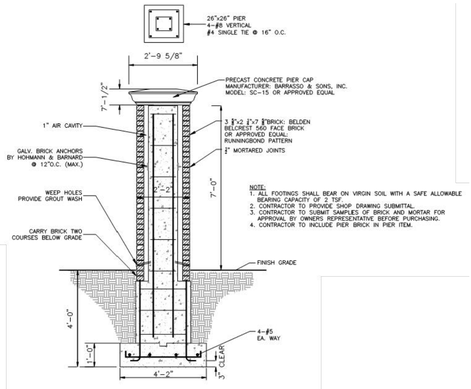
LANDSCAPING NOTES

1. ALL PLANT MATERIAL SHALL MEET OR EXCEED THE NEW YORK CITY PLANTING STANDARDS AND CONSTRUCTION SPECIFICATIONS.
2. ALL PLANT MATERIALS ARE SUBJECT TO APPROVAL BY THE ENGINEER AND/OR THE OWNER BEFORE, DURING AND AFTER INSTALLATION.
3. ALL TREES SHALL BE STAKED AND GUYED AS SHOWN IN PLANTING DETAILS.
4. ALL MULCH AREAS SHALL BE A MINIMUM OF 2" IN DEPTH WITH CYPRESS MULCH.
5. ALL TREES MUST BE FREE OF OPEN WOUNDS AND WOUND SCARES IN THE CLEAR TRUNK AREA.
6. ANY SYNTHETIC BURLAP AND/OR WIRE BASKETS MUST BE TOTALLY REMOVED PRIOR TO INSTALLATION OF PLANT MATERIAL. IF NATURAL BURLAP IS USED, IT MAY BE TURNED DOWN 1/3 OF THE ROOTBALL.
7. THE LANDSCAPING CONTRACTOR IS RESPONSIBLE FOR MAINTAINING, IN FULL, ALL LANDSCAPE PLANTING AREAS, UNTIL THE JOB IS ACCEPTED IN FULL BY THE OWNER AND ENGINEER. "IN FULL" MEANS WATERING, PEST CONTROL, MULCHING, MOWING, FERTILIZING AND RESETTING TREES THAT ARE OUT OF PLUMB.
8. THE LANDSCAPE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL INSTALLED PLANT MATERIAL FOR A PERIOD OF ONE CALENDAR YEAR BEGINNING ON THE DATE OF 100 % COMPLETION. ANY AND ALL REQUIRED PLANT REPLACEMENTS SHALL BE MADE PROMPTLY AND AT NO ADDITIONAL COST TO THE OWNER.
9. THE LANDSCAPE CONTRACTOR SHALL STAKE ALL LOCATIONS OF ALL PLANT MATERIAL AND PLANTING BED LINES TO BE REVIEWED BY THE ENGINEER.
10. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL WRITTEN PLANT QUANTITIES PRIOR TO INSTALLATION OF THE WORK. IN THE EVENT THAT THE PLANS CONTRADICT THE PLANT LIST, THE PLANS RULE.
11. THE LANDSCAPE CONTRACTOR SHALL BE FAMILIAR WITH AND ACCEPT THE EXISTING SITE CONDITIONS PRIOR TO INITIATION OF THE WORK. ANY VARIATION FROM THE SPECIFIED WORK SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.
12. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES, DRAINAGE STRUCTURES, CURBS, SIDEWALKS, AND ANY OTHER OBJECTS WHICH MIGHT BE DAMAGED DURING THE WORK.
13. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ANY AND ALL NECESSARY REPAIRS TO DAMAGE CAUSED BY HIS WORK AT NO ADDITIONAL COST TO THE OWNER.
14. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS, AND FOLLOWING ALL APPLICABLE LOCAL CODES PERTAINING TO THE PROJECT DURING THE COURSE OF HIS WORK.
15. ALL SOD SHALL BE BAHIA (PASPALUM NOTATUM) AND FREE OF WEEDS AND PESTS. UPON INSPECTION, POOR QUALITY SOD WILL BE REFUSED BY TOHO WATER AUTHORITY AND/OR TETRA TECH.
16. CONTRACTOR SHALL GUARANTEE PLANTS FOR ONE YEAR.
17. EXISTING TREES SHOULD BE SELECTIVELY PRUNED AND EXCESS MOSS SHOULD BE REMOVED TO PROVIDE HEALTHY GROWTH (CONTRACTOR TO COORDINATE WITH TREE PRUNING SPECIALIST FOR SELECTIVE PRUNING OPERATIONS)

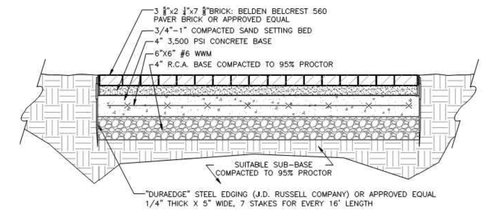


L1 BENCH SECTION
SCALE: NTS

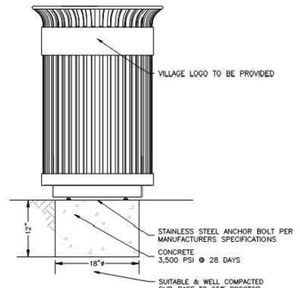




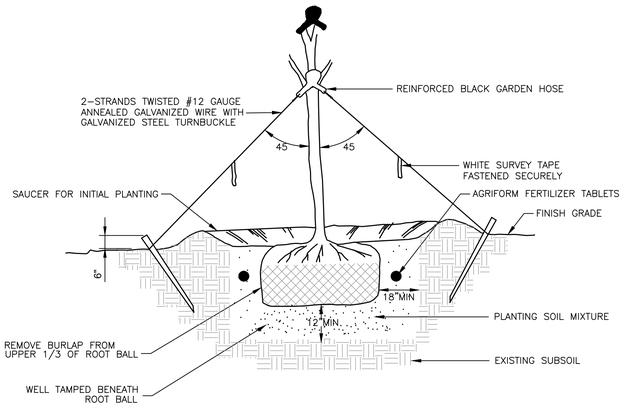
L2 BRICK PIER DETAIL
SCALE: NTS



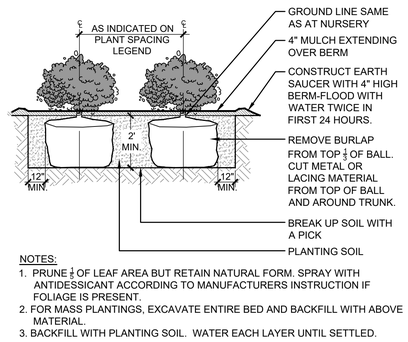
L3 BRICK PAVERS
SCALE: NTS



L4 TRASH RECEPTACLE
SCALE: NTS

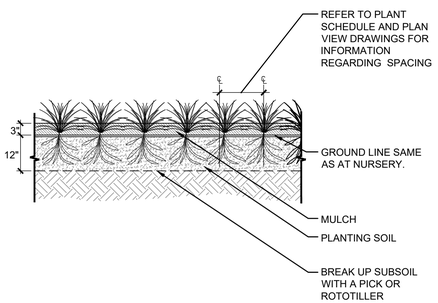


L5 TREE PLANTING DETAIL
SCALE: NTS

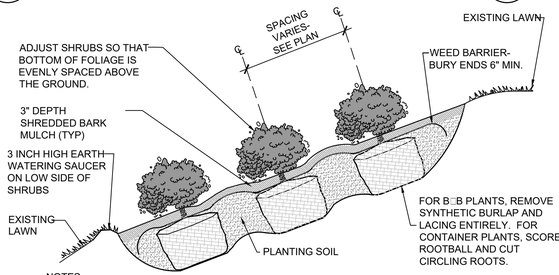


NOTES:
1. PRUNE 1/3 OF LEAF AREA BUT RETAIN NATURAL FORM. SPRAY WITH ANTIDESSICANT ACCORDING TO MANUFACTURERS INSTRUCTION IF FOLIAGE IS PRESENT.
2. FOR MASS PLANTINGS, EXCAVATE ENTIRE BED AND BACKFILL WITH ABOVE MATERIAL.
3. BACKFILL WITH PLANTING SOIL. WATER EACH LAYER UNTIL SETTLED.

L6 SHRUB PLANTING DETAIL
SCALE: NTS

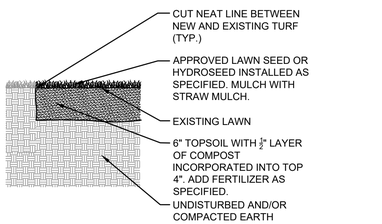


L7 PERENNIAL PLANTING DETAIL
SCALE: NTS



NOTES:
1. PRUNE 1/3 OF LEAF AREA, BUT RETAIN NATURAL FORM. SPRAY WITH ANTIDESSICANT ACCORDING TO MANUFACTURER'S INSTRUCTIONS IF FOLIAGE IS PRESENT.
2. FOR MASS PLANTINGS, EXCAVATE ENTIRE BED.
3. DURING BACKFILL PROCESS, WATER EACH LAYER UNTIL SETTLED.

L8 SHRUB PLANTING ON A SLOPE
SCALE: NTS



L9 LAWN SEEDING DETAIL
SCALE: NTS

TETRA TECH
www.tetratech.com
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

LISTER PARK PROJECT

SITE/LANDSCAPING DETAILS

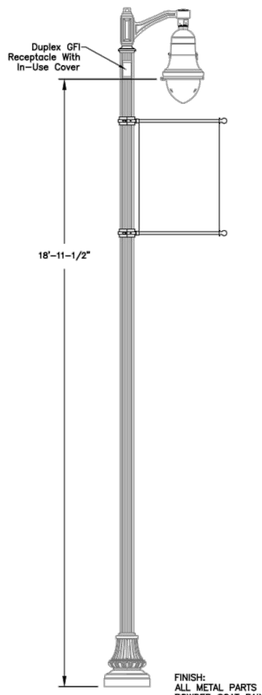
Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

L-500

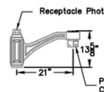
Copyright Tetra Tech

Bar Measures 1 inch

6/26/2020 2:17:55 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTRE\L-500 - LANDSCAPE AND LIGHTING DETAILS.DWG - CABRERA, CHRISTIAN

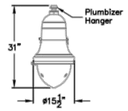


1-Way Crossarm SAL-RCB-1-PLZC-RPC



CONSTRUCTION:
Crossarm to be high-strength A.S.T.M. 356.1 cast aluminum with minimum structural wall thickness no less than 1/4".
LUMINAIRE MOUNTING:
Luminaire has to be mounted to an arm using Plumbizer. Plumbizer Collar is permanently attached to arm. Plumbizer Hanger is part of the Luminaire. Plumbizer assembly allows to adjust vertical position of the luminaire for ± 5°.
MOUNTING:
Crossarm mounts to a ø3" by 7 1/4" tall tenon. (4) 3/8"-16 UNC allen head cup point set screws secure crossarm to tenon.

Luminaire SBCA3-(4)32LEDV18-1.05A-840-2R9G3-PLZH



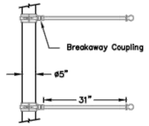
CONSTRUCTION:
ASTM 356.1 cast aluminum and heavy gauge spun aluminum.
OPTICAL: LED module with optics shall produce an asymmetrical distribution.
ELECTRICAL:
Meets U.L. 1598 and 8750 standards for safety. Driver shall provide constant current. The system has a surge protection 10kV/10kA per IEEE/ANSI C62.41.2. Surge current rating = 20,000 Amps using industry standard 8/20 uSec wave. Luminaire has to be grounded.
MOUNTING:
Luminaire has to be mounted to an arm using Plumbizer. Plumbizer Collar is permanently attached to arm. Plumbizer Hanger is part of the Luminaire. Plumbizer assembly allows to adjust vertical position of the luminaire for ± 5°.

LED:
(4)32LEDV18-1.05A 1050mA, 128 Watt
CRI: 80; CCT: 4000K

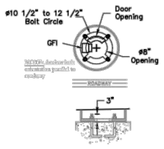
VOLTAGE: 120-277 Volt
Optic: 2R9G3 Type IV

PLZH - Plumbizer Hanger

Banner Arms (2)BARM-5"CO-31"-BAC

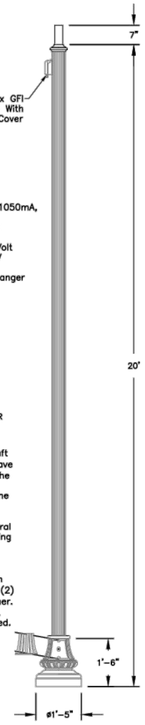


CONSTRUCTION:
Banner arm shall be 6063-T6 extruded aluminum with a 1/4" wall thickness. Decorative finial and pole mating collar shall be solid cast aluminum construction. Decorative finial shall be removable.
Banner arm shall be a clamp on style attachment to the light pole. Banner arm has to be equiped with Breakaway coupling.



Pole: SAL-WL-5H-20'-7"TENON-GFI-IN USE-GFIR

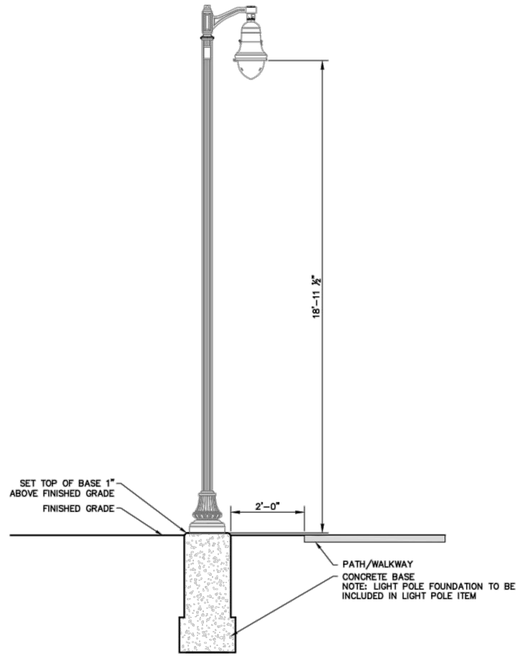
CONSTRUCTION:
The lighting post shall be made of cast and extruded aluminum construction. he upper shaft shall be ø5" with 24 flutes. The base shall have a ø17". There shall be (1) access door in the base. All hardware shall be stainless steel. A grounding provision shall be provided inside one access door.
LUMINAIRE MOUNTING:
A ø3" by 7 1/4" tall tenon shall be an integral part of the pole provided for post top mounting of crossarm.
INSTALLATION:
The lighting pole shall be provided with (4) ø3/4" x 24" long "L-type" anchor bolts. Each anchor bolt shall be supplied assembled with (2) nuts, (2) flat washers and (1) split lock washer. The pole requires a 3" anchor bolt projection. All anchorage hardware shall be fully galvanized.



FINISH:
ALL METAL PARTS SHALL BE FINISHED WITH HIGH GLOSS SUPER DURABLE POLYESTER POWDER COAT PAINT TO BE APPLIED UTILIZING A MULTI-STAGE PROCESS THAT INCLUDES PHOSPHATE PRETREATMENT, ELECTROSTATIC POWDER APPLICATION, AND CONVECTION CURING.

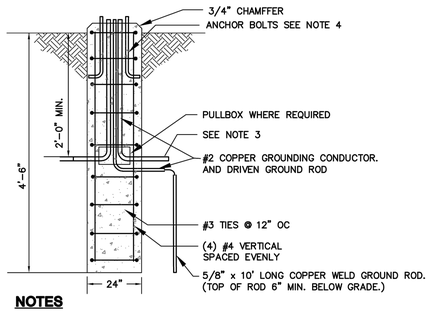
COLOR: BLACK

MANUFACTURER:
SENTRY ELECTRIC, 185 BUFFALO AVENUE, FREEPORT NY 11520
OR APPROVED EQUAL.



L6 - LIGHT POLE DETAIL

SCALE: NTS



NOTES

1. CONCRETE TO BE AIR ENTRAINED 3500 PSI @ 28 DAYS.
2. CONTRACTOR TO VERIFY ANCHOR BOLT PATTERN, PROJECTION AND SIZE PRIOR TO FABRICATION AND INSTALLATION.
3. PROVIDE (2) 2" DIA. SUN RESISTANT SCHEDULE 80 PVC CONDUITS FOR BRANCH CIRCUIT & GROUNDING CONDUCTOR. PROVIDE CONDUIT CAP ON CONDUIT RESERVED FOR FUTURE USE.
4. ANCHOR BOLT ASSEMBLE TO BE PROVIDED BY POLE MANUFACTURER INSTALL ACCORDING TO MANUFACTURER TEMPLATE AND RECOMMENDATIONS.
5. FOOTING DESIGN IS BASED ON A MIN. 2 TON SOIL BEARING CAPACITY TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
6. CONTRACTOR TO INCLUDE LIGHT POLE FOUNDATIONS IN THE LIGHT POLE ITEM.

NOTE:
CONTRACTOR TO PROVIDE SHOP DRAWING SUBMITTAL

L7 - LIGHT POLE FOUNDATION DETAIL

SCALE: NTS

TETRA TECH
www.tetratech.com
498 7TH AVENUE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646) 576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
VILLAGE OF ROCKVILLE CENTRE, EAST ROCKAWAY, NY

LISTER PARK PROJECT

LIGHTING DETAILS

Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

L-501

Copyright: Tetra Tech

Bar Measures 1 inch

6/26/2020 2:18:58 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ROCKVILLE CENTRE\L-500 - LANDSCAPE AND LIGHTING DETAILS.DWG - CABRERA, CHRISTIAN

Appendix A3

East Rockaway High School

This page intentionally left blank.

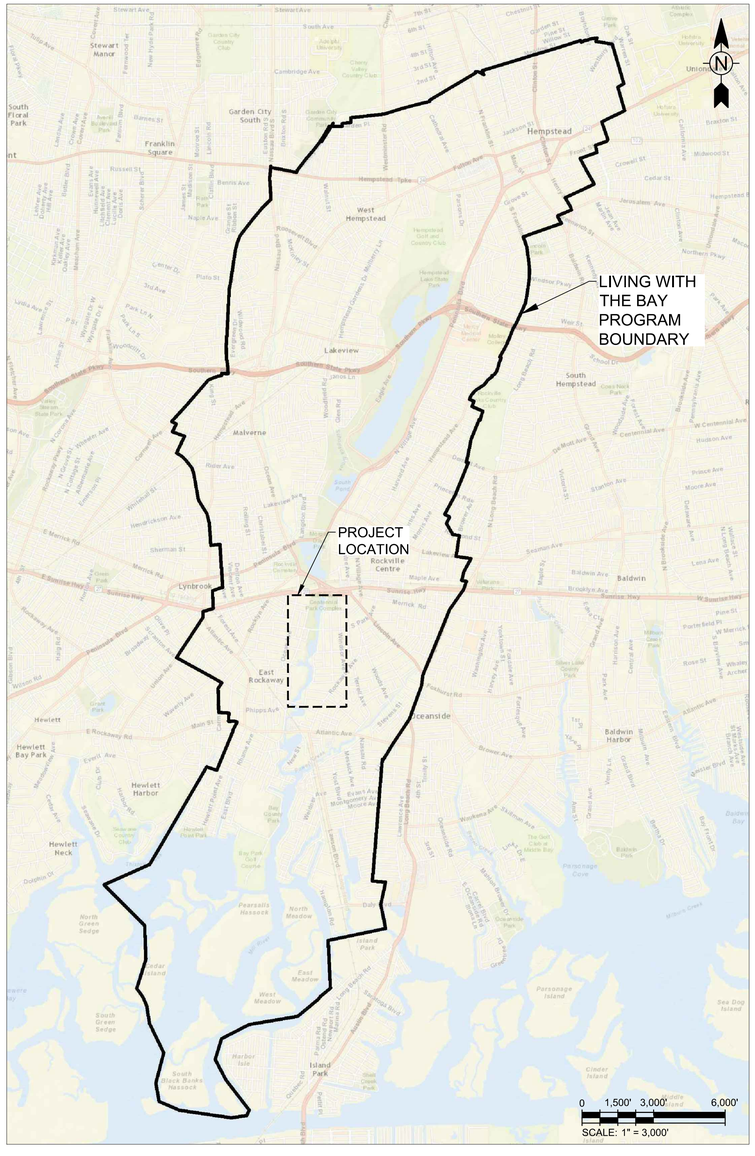
Governor's Office of Storm Recovery

EAST ROCKAWAY HIGH SCHOOL

TETRA TECH
498 SEVENTH AVE, 15TH FLOOR
NEW YORK, NY 100018
PH: 646.576.4034
www.tetratech.com

TETRA TECH

PROJECT VICINITY:



PROJECT LOCATION:

PROJECT LOCATION:

VILLAGE OF EAST ROCKAWAY, NY

CLIENT INFORMATION:

NEW YORK STATE HTFC
500 Bi-County Boulevard
Suite 300
Farmingdale, NY 11735

Tt PROJECT No.:

200-89763-18003

ISSUED:

DRAFT 100% - NOT FOR CONSTRUCTION 06/05/2020

SHEET INDEX:

SHEET #	SHEET NAME
G-000	COVER SHEET
G-001	LEGEND AND GENERAL NOTES
C-101	DEMOLITION PLAN
C-201	SITE PLAN
C-202	DRAINAGE PLAN
C-203	GRADING PLAN
C-301	SOIL EROSION AND SEDIMENT CONTROL PLAN
C-500	CIVIL DETAILS
C-501	CIVIL DETAILS
C-502	CIVIL DETAILS
E-001	ELECTRICAL LEGEND
E-101	ELECTRICAL DEMOLITION PLAN
E-201	ELECTRICAL SITE PLAN
E-202	ELECTRICAL ELEVATIONS
E-203	ELECTRICAL GROUNDING PLANS
E-301	ELECTRICAL SINGLE LINE DIAGRAMS
E-501	ELECTRICAL DETAILS
E-502	ELECTRICAL DETAILS
E-503	ELECTRICAL DETAILS
S-001	STRUCTURAL GENERAL NOTES
S-002	STRUCTURAL GENERAL NOTES-II
S-101	STRUCTURAL FOUNDATION & FRAMING PLAN
S-301	STRUCTURAL FOUNDATION AND FRAMING SECTIONS
S-501	STRUCTURAL TYPICAL DETAILS
SB-001	STRUCTURAL BULKHEAD GENERAL NOTES
SB-101	STRUCTURAL BULKHEAD PLAN SECTIONS
SB-301	STRUCTURAL BULKHEAD SECTIONS
SB-501	STRUCTURAL TYPICAL DETAILS

GENERAL NOTES:

1. ALL LABOR, MATERIALS, AND METHODS OF CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE MINIMUM ENGINEERING AND CONSTRUCTION STANDARDS ADOPTED BY NASSAU COUNTY AND NYS EDUCATION DEPARTMENT. WHERE CONFLICTS OR OMISSIONS EXIST, THE NASSAU COUNTY AND NYS EDUCATION DEPARTMENT STANDARDS SHALL DICTATE. SUBSTITUTIONS AND DEVIATION FROM PLANS AND SPECIFICATIONS SHALL BE PERMITTED ONLY WHEN WRITTEN APPROVAL HAS BEEN ISSUED BY THE ENGINEER.
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE MOST CURRENT VERSION OF THE CONSTRUCTION SPECIFICATIONS.
3. SHOP DRAWINGS OF ALL MATERIALS BEING USED SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
4. THE CONTRACTOR SHALL FURNISH, INSTALL, TEST AND COMPLETE ALL WORK TO THE SATISFACTION OF THE ENGINEER AND OWNER IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION; AS SUCH, THESE PLANS DO NOT COMPLETELY REPRESENT, NOR ARE THEY INTENDED TO REPRESENT, ALL SPECIFIC INSTRUCTIONS REQUIRED FOR SITEWORK CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE TO CONSTRUCT ALL IMPROVEMENTS DEPICTED ON THESE PLANS IN ACCORDANCE WITH ALL APPLICABLE RULES, REGULATIONS AND LAWS IN EFFECT AT THE TIME OF CONSTRUCTION.
5. THE CONTRACTOR SHALL ACCEPT THE SITE AS IS. THE CONTRACTOR SHALL ASSESS CONDITIONS, AND THE KIND, QUALITY AND QUANTITY OF WORK REQUIRED. THE OWNER AND ENGINEER MAKE NO GUARANTEE IN REGARD TO THE ACCURACY OF ANY INFORMATION THAT WAS OBTAINED DURING INVESTIGATIONS. THE CONTRACTOR SHALL: MAKE A THOROUGH SITE INSPECTION IN ORDER TO FIELD CHECK EXISTING SITE CONDITIONS; CORRELATE CONDITIONS WITH THE DRAWINGS; AND, RESOLVE ANY POSSIBLE CONSTRUCTION CONFLICTS WITH THE OWNER AND ENGINEER PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL PERFORM ADDITIONAL TOPOGRAPHIC AND UTILITY SURVEYS HE/SHE DEEMS NECESSARY, PROVIDED THEY ARE COORDINATED WITH THE OWNER. ANY CONDITIONS DETERMINED BY THE CONTRACTOR THAT DIFFER FROM THE INFORMATION SHOWN ON THE DRAWINGS THAT ARE NOT BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER PRIOR TO THE START OF WORK SHALL NOT BE CONSIDERED GROUNDS FOR ADDITIONAL PAYMENT OR CHANGES TO THE CONTRACT DURATION, OR ANY OTHER CLAIMS AGAINST THE OWNER OR OWNER'S ENGINEER.
6. INFORMATION RELATED TO ELEVATIONS AND PROPOSED UTILITIES (SUCH AS ROADWAY GRADES, INVERT ELEVATIONS, RIM ELEVATIONS, GRATE ELEVATIONS, BUILDING FINISHED FLOOR ELEVATIONS, ETC.) MAY BE FOUND IN MORE THAN ONE LOCATION IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL SUFFICIENTLY REVIEW ALL PLANS, PROFILES AND ANY OTHER INFORMATION IN THE CONTRACT DOCUMENTS FOR CONSISTENCY PRIOR TO BID. ANY INCONSISTENCIES OR DISCREPANCIES THAT ARE FOUND BY THE CONTRACTOR OR HIS ASSIGNS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER IN WRITING, IN THE FORMAT OF AN RFI PRIOR TO BID.
7. THERE ARE ADDITIONAL NOTES, SPECIFICATIONS AND REQUIREMENTS CONTAINED THROUGHOUT THE PLAN SET AS WELL AS REFERENCES TO SPECIFICATIONS FROM APPLICABLE GOVERNING AUTHORITIES AND INDUSTRY STANDARDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN, REVIEW AND ADHERE TO ALL THESE DOCUMENTS.
8. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL REQUIRED PERMITS ARE OBTAINED AND IN HAND BEFORE BEGINNING ANY CONSTRUCTION. NO CONSTRUCTION OR FABRICATION OF ANY ITEM SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED ALL PLANS AND ANY OTHER DOCUMENTATION FROM ALL OF THE PERMITTING AND ANY OTHER REGULATORY AUTHORITIES. ANY PENALTIES, STOP WORK ORDERS OR ADDITIONAL RESULTING FROM THE CONTRACTOR BEING IN VIOLATION OF THE REQUIREMENTS ABOVE, SHALL BE FULLY BORNE BY THE CONTRACTOR.
9. THE LOCATION OF ALL EXISTING UTILITIES AND STORM DRAINAGE SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AT THE TIME RECEIVED AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR INACCURACY. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITIES AND TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATION OF THESE UTILITIES WITH THE OWNER OF THE UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING UNDERGROUND UTILITIES, WHETHER SHOWN ON THE PLAN OR LOCATED BY THE UTILITY COMPANY. ALL UTILITIES WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FIRST. ANY FEES ASSOCIATED WITH UTILITY RELOCATIONS SHALL BE BORNE IN ACCORDANCE WITH RESPECTIVE UTILITY COMPANY STANDARDS. ANY DELAY OR INCONVENIENCE CAUSED TO THE CONTRACTOR BY THE RELOCATION OF THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED.
10. THE SEQUENCE OF CONSTRUCTION SHALL BE SUCH THAT ALL UNDERGROUND INSTALLATIONS OF EVERY KIND SHALL BE PLACED BENEATH THE PAVEMENT AND ITS EDGES PRIOR TO THE CONSTRUCTION OF THE FINAL PAVEMENT LAYER. THE PAVEMENT SHALL NOT BE CUT WITHOUT PRIOR APPROVAL OF THE ENGINEER.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING ANY CONSTRUCTION ACTIVITIES FROM TAKING PLACE OUTSIDE OF THE LIMITS OF CONSTRUCTION SHOWN ON THE PLANS. ANY ON-SITE OR OFFSITE AREAS IMPACTED OR DISTURBED BY CONSTRUCTION ACTIVITIES OR LOADINGS SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
12. EXISTING BOUNDARY, UTILITY AND TOPOGRAPHIC INFORMATION FOR THE SITE OBTAINED FROM SURVEY BY GAYRON DE BRUIN LAND SURVEYING AND ENGINEERING, P.C. DATED DECEMBER 2018, LAST REVISED NOVEMBER 2019, IN THE NORTH AMERICAN VERTICAL DATUM (NAVD88).
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY TESTING TO ASSURE THAT THE PROPER COMPACTION HAS BEEN ACHIEVED ON THE SUBGRADE, BASE, AND ALL OTHER PERTINENT AREAS THAT HAVE BEEN COMPLETED. THE CONTRACTOR SHALL BEAR ALL COSTS ASSOCIATED WITH TESTING AND RETESTING OF THE AREAS AND SHALL PROVIDE THE OWNER AND THE ENGINEER WITH COPIES OF THE CERTIFICATION OF COMPACTION FROM THE TESTING COMPANY. COMPACTION SHALL MEET THE REQUIREMENTS IN SPECIFICATIONS.
14. ALL PROPOSED TRAFFIC SIGNAGE AND PAVEMENT MARKINGS SHALL FOLLOW THE LATEST VERSION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

UTILITY NOTES:

1. ALL ON-SITE UTILITIES SHALL BE UNDERGROUND AS APPLICABLE, UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES WHICH MAY HAVE THEIR UTILITIES IN THE AREA WITHIN THE CONSTRUCTION AREAS TO LOCATE THEIR FACILITIES IN THE FIELD FORTY-EIGHT (48) HOURS PRIOR TO BEGINNING OR EXPECTATION OF CONSTRUCTION.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF ALL SUPPORT OF EXCAVATIONS. CONTRACTOR SHALL SUBMIT METHODS FOR EXCAVATION SUPPORT SIGNED AND SEALED BY ENGINEER LICENSED IN NEW YORK STATE FOR REVIEW BY OWNERS ENGINEER. METHODS SHALL INCLUDE PROCEDURES FOR MONITORING OF UTILITIES AND ADJACENT STRUCTURES DURING THE WORK.
4. CONTRACTOR TO TAKE NECESSARY PRECAUTIONS WHILE WORKING BELOW OR ADJACENT TO OVERHEAD ELECTRICAL LINES.

DEMOLITION:

1. THE CONTRACTOR SHALL INSPECT THE SITE THOROUGHLY AND FIELD VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES. SOME UNDERGROUND UTILITIES MAY BE LOCATED DIFFERENTLY THAN SHOWN ON THESE PLANS. ALL CONTRACTORS USING THESE PLANS FOR DEMOLITION OR CONSTRUCTION SHALL CONFIRM ALL UTILITIES IN THE FIELD TO ESTABLISH LOCATIONS. SIZES, MATERIALS, AND ELEVATIONS ANY DISCREPANCIES SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
2. PRIOR TO COMMENCEMENT OF ANY DEMOLITION WORK. THE CONTRACTOR SHALL INSTALL SOIL EROSION MEASURES NECESSARY FOR STABILIZATION. RECOMMENDATIONS ARE PROVIDED IN THE SOIL EROSION AND SEDIMENT CONTROL PLAN.
3. THE CONTRACTOR SHALL OBTAIN NECESSARY PERMITS AND LICENSES FOR PERFORMING THE DEMOLITION WORK AND SHALL FURNISH A COPY OF SAME TO THE ENGINEER PRIOR TO COMMENCING THE WORK. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE PERMITS.
4. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES OR LOCAL AUTHORITIES FURNISHING GAS, WATER, ELECTRICAL, TELEPHONE, CABLE, FIBER OPTIC OR SEWER SERVICE SO THEY CAN REMOVE, RELOCATE, DISCONNECT, CAP OR PLUG THEIR EQUIPMENT IN ORDER TO FACILITATE DEMOLITION.
5. THE CONTRACTOR SHALL PROTECT ALL UTILITIES AND OTHER IMPROVEMENTS SHOWN ON THESE PLANS AND UTILITIES AND OTHER IMPROVEMENTS NOT SHOWN. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR REPAIRS OF UTILITIES AND OTHER IMPROVEMENTS DAMAGED DURING CONSTRUCTION OR BY CONSTRUCTION LOADINGS AND SHALL MAINTAIN SUFFICIENT PROTECTION FOR ALL UTILITIES IDENTIFIED BY THE SURVEY OR LOCATED IN THE FIELD TO PROTECT THEM FROM DAMAGE AND TO PROTECT THE PUBLIC DURING CONSTRUCTION.
6. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL TREES, STRUCTURES, AND UTILITIES NOT MARKED FOR REMOVAL OR DEMOLITION AND SHALL PROMPTLY REPAIR ANY DAMAGE AS DIRECTED BY THE ENGINEER AT NO COST TO THE OWNER.
7. THE CONTRACTOR SHALL REMOVE ONLY PAVEMENT MARKED FOR DEMOLITION WHICH INCLUDES ALL ASPHALT, CONCRETE, BASE, AND RETAINING WALLS (INCLUDING THE FOOTERS).
8. TREES NOT MARKED FOR REMOVAL SHALL BE PROTECTED IN ACCORDANCE WITH NASSAU COUNTY REGULATIONS.
9. THE CONTRACTOR SHALL REMOVE UNSALVAGEABLE MATERIALS AND YARD WASTE FROM THE SITE IMMEDIATELY AND DISPOSE OF IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.
10. THE CONTRACTOR SHALL SAW-CUT A SMOOTH STRAIGHT EDGE ON ANY PAVEMENT PROPOSED FOR DEMOLITION PRIOR TO ITS REMOVAL. PRIOR TO CONNECTING PROPOSED PAVEMENT TO EXISTING PAVEMENT, THE CONTRACTOR SHALL ENSURE THAT THE EDGE OF THE EXISTING PAVEMENT IS STRAIGHT AND UNIFORM.
11. CONTRACTOR SHALL REMOVE & REPLACE ALL SIGNS, MAILBOXES, FENCING, DRAINAGE STRUCTURES, ETC. AS REQUIRED TO COMPLETE THIS PROJECT. ALL SUCH RESTORATION SHALL BE COMPLETED IMMEDIATELY FOLLOWING PIPE INSTALLATION & BACK FILLING & SHALL BE INCLUDED IN CONTRACTOR'S PRICE FOR PROJECT. NO DISRUPTION OF THE U.S. MAIL IS ALLOWED, TEMPORARY MEASURES FOR MAIL DELIVERY MAY BE REQUIRED.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND PROPER DISPOSAL OF ALL REMOVED/DEMOLISHED PIPE, STRUCTURES, EQUIPMENT, AND APPURTENANCES.
13. ALL PROPERTY OWNERS AFFECTED BY THE WORK SHALL BE NOTIFIED BY THE CONTRACTOR FOR ANY DISRUPTION OF SERVICE OR REQUIRED ACCESS A MINIMUM OF 14 DAYS PRIOR TO SUCH DISRUPTION OR ACCESS.

EARTHWORK, GRADING, STABILIZATION, PAVING AND DRAINAGE:

1. CONTRACTOR TO ACCEPT AND REMEDY UNFORESEEN SOIL CONDITIONS DURING EARTHWORK EXCAVATION INCLUDING BURIED OBJECTS PRIOR TO BACKFILLING.
2. COMPACT ALL UTILITY TRENCHES WITHIN ROADWAYS TO 95% OF THE MODIFIED PROCTOR MAXIMUM DENSITY (AASHTO T-180) AND TO 90% WITHIN OTHER AREAS.
3. ALL PAVEMENT MARKINGS SHALL BE REPLACED IN KIND TO EXISTING CONDITION AND IN ACCORDANCE WITH MUTCD, NYSDOT AND NASSAU COUNTY REQUIREMENTS.
4. PLANS AND SPECIFICATIONS REQUIRE THAT COMPACTED BACKFILL BE PLACED ALONG SIDE OF AND OVER ALL UTILITIES, STRUCTURES AND IMPROVEMENTS.
5. THE CONTRACTOR MUST INSTALL AND MAINTAIN GRASS ON EXPOSED SLOPES WITHIN SEVEN DAYS OF COMPLETED FINAL GRADES, AS NOTED ON PLANS, AND AT ANY OTHER TIME AS NECESSARY TO PREVENT EROSION. SEDIMENTATION OR TURBID DISCHARGES TO ANY DOWNSTREAM WATER BODY, WETLAND, OR OFF-SITE PROPERTY. SODDING ON SLOPES 3:1 AND STEEPER SHALL BE STAKED.
6. SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
7. ALL PROPOSED STORM DRAINAGE PIPING SHALL BE TEMPORARILY PROTECTED WITH REQUIRED MINIMUM COVER FOR CONSTRUCTION.
8. SPOT ELEVATIONS SHOWN AT CURB LINES DENOTE PAVEMENT ELEVATIONS.
9. PLAN AND PROFILE STRUCTURES ARE SYMBOLS THAT ARE PROVIDED FOR REFERENCE, AND ARE NOT TO BE USED AS THE BASIS FOR CONSTRUCTION. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF ALL DRAINAGE, SANITARY, AND UTILITY STRUCTURES TO ENGINEER.
10. IMPORTED FILL SHALL CONTAIN NO CONTAMINATION IN EXCEEDENCE OF THE PROJECT STATE ENVIRONMENTAL REVIEW AGENCY STANDARDS AND MEET THE ENVIRONMENTAL REQUIREMENTS FOR THE PROJECT. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION OF COMPLIANCE PRIOR TO DELIVERY OF ANY FILL TO THE SITE.

EROSION AND SEDIMENT CONTROL:

1. TEMPORARY AND PERMANENT SEEDING, SODDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.
2. STABILIZED CONSTRUCTION ENTRANCES AND ROADWAYS SHALL BE MAINTAINED TO PREVENT CLOGGING OF ROCK BEDDING WHICH MAY IMPEDE THE USEFULNESS OF THE STRUCTURE.
3. DISTURB ONLY THE AREA THAT IS NEEDED FOR CONSTRUCTION OR LAYDOWN.
4. ALL DISTURBED AREAS SHOULD BE PERMANENTLY SEEDED OR SODDED WITHIN FOURTEEN (14) DAYS OF CONSTRUCTION COMPLETION.
5. ALL SILT FENCE AND SAFETY BARRIER TO REMAIN IN PLACE UNTIL COMPLETION OF CONSTRUCTION.
6. INSTALL ALL SOIL EROSION CONTROL MEASURES AS SHOWN PRIOR TO ANY LAND DISTURBANCE ACTIVITIES. INSTALL SEDIMENT BARRIERS/SWALES/DITCHES/DIKES AT DOWN SLOPE AREA FROM ALL PROPOSED GRADING OPERATIONS.
7. IF CONSTRUCTION IS SUSPENDED OR COMPLETED, ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED IMMEDIATELY. ALL SLOPES STEEPER THAN ONE OF THREE (V/H) AND PERIMETER TRENCHES AND TRAP EMBANKMENTS SHALL, ON COMPLETION, BE IMMEDIATELY STABILIZED WITH TEMPORARY SEEDING AND MULCHING.
8. AFTER PAVEMENTS ARE INSTALLED AND PERMANENT VEGETATIVE COVER AND PLANTINGS ARE ESTABLISHED, REMOVE SEDIMENT BARRIERS.
9. EROSION AND SEDIMENT CONTROL MEASURES MUST BE MAINTAINED TO BE EFFECTIVE. IN GENERAL, THESE MEASURES MUST BE PERIODICALLY INSPECTED TO ENSURE STRUCTURAL INTEGRITY, TO DETECT VANDALISM DAMAGE, AND FOR CLEANING AND REPAIR WHENEVER NECESSARY.
10. DURING CONSTRUCTION, ALL STRUCTURES SHOULD BE INSPECTED WEEKLY AND AFTER EVERY PRECIPITATION EVENT. REMOVE ACCUMULATED SEDIMENT AND STOCKPILE AND STABILS IN AN AREA NOT SUBJECT TO FURTHER EROSION.

Legend

Manholes
Communications, Drain, Electric, Fiber Optic, Fire Department, Gas, Water High Temperature Hot, Record Only, Sewer, Sewer - Drop, Sewer Cleanout, Traffic, Telephone, Unknown, Water

Utility Hardware
Electric Pullbox (EB), Electric Vault (E), Gas Main Valve, Gas Marker (GM), Gas Meter (G), Gas Service Valve, Gas Test Station (TEST), Gas Vent (G), Hydrant, Hydrant Valve, Irrigation Valve, Monitoring Well, Oil Filler Valve (FV), Pole Riser - Electric (FL), Pole Riser - Telephone (T), Pole Riser - T.V. (TV), Pole Riser - Traffic (TR), Roof Drain (RD), Sewer Vent (S), Stand Pipe, Traffic Detector, Traffic Loop, Unidentified Vault (V), Unknown Valve, Unknown Pullbox (T), Water Main Valve, Water Meter (W), Water Service Valve

Utility Poles
Guy Wire and Ancor, Light Pole Base, Metal Pole with Light, Metal Pole with Traffic, Pedestrian Signal (P), Wooden Utility Pole, Wooden Utility Pole with Light

Utility Pole Abbreviations
F Fire Box
P Pedestrian Signal
T Traffic

Fences
Guard Rail, Chain Link Fence, Wooden Fence, Metal Fence, Retaining Wall, Vinyl Fence

Vegetation
Bush, Hedge, Tree (with Size) Located At Center, Tree (with Size) Located At Face, Treeline

Catch Basins
Type "A", Type 1, Type 3, Flush Grade, Round Grade, Small Rectangle Grade, Square Grade

Utility Lines and Paint Marks
Dead End, End of Information, Automated Vacuum, Cable (TV), Drain (T D), Electric, Electric, Electric Offset, Fiber Optic (Fiber), Fire (Fire), Gas (Gas), Gas offset (Gas), Gas Service (Gas), Oil (Oil), Overhead, Sewer (T S), Sewer (24" Or Greater) (T S), Sewer House Connection (SHC 6.1" Cov.), Steam, Street Lighting, Telephone (Telephone), Telephone Offset (Telephone), Traffic (Traffic), Unknown Utility, Water (T Water), Water (24" Or Greater) (T Water), Water Offset (T Water), Water Service, Water Chilled (Chilled Water), Water High Temperature Hot

Miscellaneous
Aerial Target, Baseline & Station (0+00, 1+00), Basketball Backboard Post, Bench, Benchmark, Bike Rack, Boring, Cellar Door, Column, Communications Pullbox (C), Communications Box - Round, Curb - Concrete, Curb - Belgian Block, Curb - Brick, Curb & Gutter, Edge Of Pavement, First Floor Entrance, Flagpole (FP), Fountain, Garage Entrance, Grill (BBQ), Guardpost (GP), Handicap Ramp, Mailbox (MB), Material Change, Multi-Meter (MM), Parking Meter, Piling, Police Box (P), Sign - Single Post, Sign - Double Post, Steps, Sprinkler (underground) (SPLR), Telephone Booth (TB), Test Hole, Traffic Control Cabinet (TC), Trash Can, Turnstile (TN), WiFi, Yard Light

Property Markers
Cross Cut, Drill Hole, Disk, Iron Pipe, Iron Rod/ Rebar/ Pin, L Cut, Misc. Marker, Monument, Monument - Not Found, PK/Mag Nail, Railroad Spike, Spike, Stake

Property Lines
ROW Line, Lot Lines

Abbreviations

Abandoned	Abandoned
Alum.	Aluminum
Apt.	Apartment
Asph.	Asphalt
B.O.P.	Beginning Of Profile
B. Blk.	Belgian Block
B.T.	Blacktop
Bit.	Bituminous
Blk.	Block
Brk.	Brick
CB	Catch Basin
C.O.C.	Center Of Cable
Conc.	Concrete
Ch. Lk. Fe.	Chain Link Fence
C.L.F.	Chain Link Fence
DE	Dead End
D.I.C.B.	Double Inlet Catch Basin
Dilap.	Dilapidated
El	Elevation
EOI	End Of Information
EOP	End Of Profile
Exist.	Existing
FF=7.25	First Floor Elevation
Fr.	Frame
GF=18.30	Garage Floor Elevation
I=1.6	Invert Elevation
Inv.	Invert Elevation
L.	Left
L/C	Left Curb
MH	Manhole
PC	Point Of Curvature
Rail Fe.	Post And Rail Fence
Rec.	Record
#107	Residence No. 107
R.	Right
R/C	Right Curb
R=32.65	Rim Elevation Of Manhole
Rim	Rim Elevation Of Manhole
Sew.	Sewer
S.I.C.B.	Single Inlet Catch Basin
SSHC	Sanitary Sewer House Connection
Sl.	Slate
Sta.	Station
Stock. Fe.	Stockade Fence
Sty.	Story
T/G	Top Of Gutter
TH #3	Test Hole
TOP	Top Of Pipe
TW	Top Of Wall
Typ.	Typical
U.G.	Underground
Vac.	Vacant
VPI	Vertical Point Of Intersection
Wd.	Wood

Pipe Material Abbreviations

ACPP	Asbestos Cement Pressure Pipe
ACP	Asbestos Cement Pipe
CI	Cast Iron
CIBS	Cast Iron Bare Steel
CLDI	Cement Lined Ductile Iron
CLMP	Cement Lined Metal Pipe
CMP	Corrugated Metal Pipe
CP	Clay Pipe
CPP	Corrugated Polyethylene Pipe
CS	Carbon Steel
DB	Double Barrel
DI	Ductile Iron
ESVP	Extra Strength Vitrified Pipe
FTRC	Flat Top Reinforced Concrete
FRP	Fiberglass Reinforced Pipe
HERCP	Horizontal Elliptical Reinforced Concrete Pipe
HDPE	High Density Polyethylene Pipe
PE	Polyethylene
PRCP	Precast Reinforced Concrete Pipe
PVC	Polyvinyl Chloride Pipe
RCP	Reinforced Concrete Pipe
SS	Stainless Steel
ST	Steel
VCP	Vitrified Clay Pipe

Directional Abbreviations

(E)	East
(N)	North
(NE)	North East
(NW)	North West
(S)	South
(SE)	South East
(SW)	South West
(W)	West
E/S	East Side
N/S	North Side
S/S	South Side
W/S	West Side

TETRA TECH
www.tetratech.com
498 SEVENTH AVE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646)576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
EAST ROCKAWAY SCHOOL DISTRICT, EAST ROCKAWAY, NY

EAST ROCKAWAY HIGH SCHOOL PROJECT

LEGEND AND GENERAL NOTES

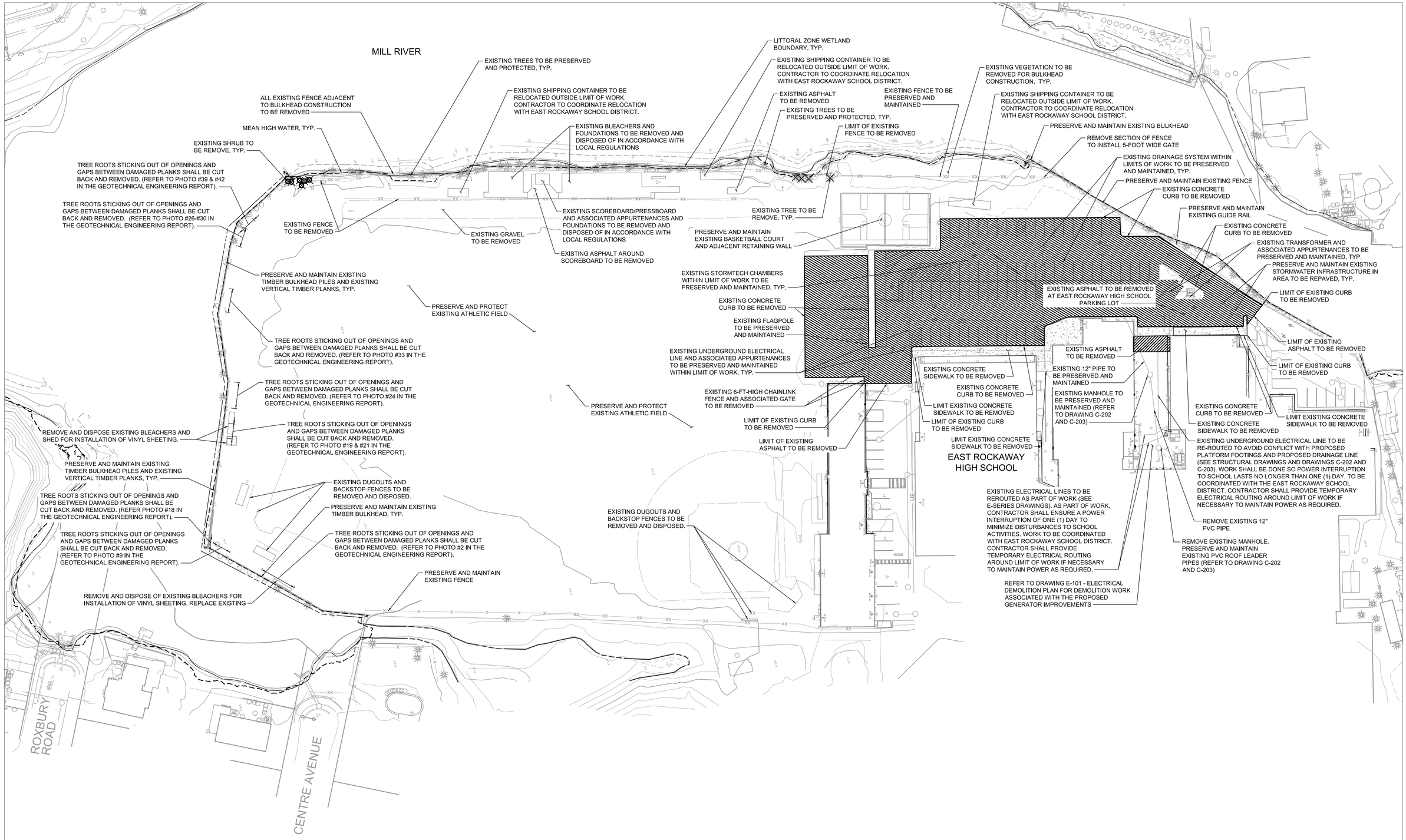
Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

G-001

Copyright: Tetra Tech

Bar Measures 1 inch

6/5/2020 7:22:23 AM - P:\89763\200-89763-18003\CAD\SHEETFILES\ERSD PACKAGE\G-001 LEGEND AND GENERAL NOTES.DWG - SUDMAN, ERIC



0 20 40 80
SCALE: 1"=40'

TETRA TECH
www.tetratech.com
498 SEVENTH AVE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646)576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
EAST ROCKAWAY SCHOOL DISTRICT, EAST ROCKAWAY, NY

EAST ROCKAWAY HIGH SCHOOL PROJECT

DEMOLITION PLAN

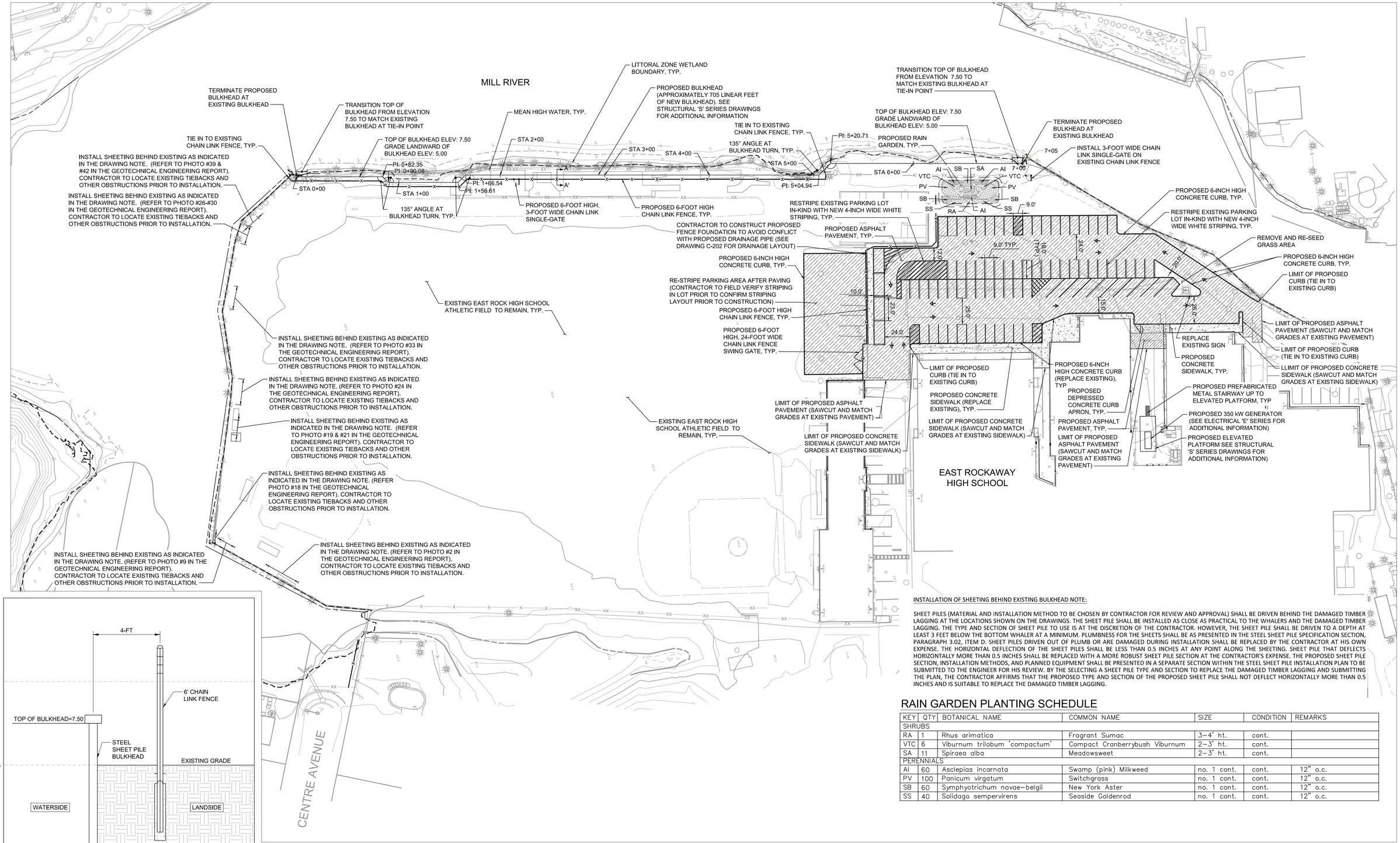
Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

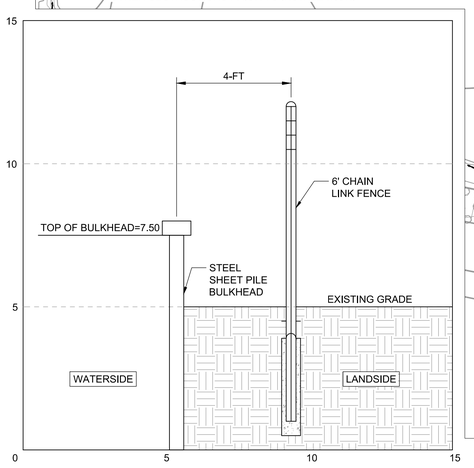
C-101

Copyright: Tetra Tech

Bar Measures 1 inch

6/5/2020 1:19:23 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ERSD PACKAGE\C-101 DETAILED DEMOLITION PLAN.DWG - SUDMAN, ERIC





SECTION A-A'
SCALE: 1"=2.5'

INSTALLATION OF SHEETING BEHIND EXISTING BULKHEAD NOTE:

SHEET PILES (MATERIAL AND INSTALLATION METHOD TO BE CHOSEN BY CONTRACTOR FOR REVIEW AND APPROVAL) SHALL BE DRIVEN BEHIND THE DAMAGED TIMBER LAGGING AT THE LOCATIONS SHOWN ON THE DRAWINGS. THE SHEET PILE SHALL BE INSTALLED AS CLOSE AS PRACTICAL TO THE WHALERS AND THE DAMAGED TIMBER LAGGING. THE TYPE AND SECTION OF SHEET PILE TO USE IS AT THE DISCRETION OF THE CONTRACTOR. HOWEVER, THE SHEET PILE SHALL BE DRIVEN TO A DEPTH AT LEAST 3 FEET BELOW THE BOTTOM WHALER AT A MINIMUM. PLUMBNESS FOR THE SHEETS SHALL BE AS PRESENTED IN THE STEEL SHEET PILE SPECIFICATION SECTION, PARAGRAPH 3.02, ITEM D. SHEET PILES DRIVEN OUT OF PLUMB OR ARE DAMAGED DURING INSTALLATION SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE. THE HORIZONTAL DEFLECTION OF THE SHEET PILES SHALL BE LESS THAN 0.5 INCHES AT ANY POINT ALONG THE SHEETING. SHEET PILE THAT DEFLECTS HORIZONTALLY MORE THAN 0.5 INCHES SHALL BE REPLACED WITH A MORE ROBUST SHEET PILE SECTION AT THE CONTRACTOR'S EXPENSE. THE PROPOSED SHEET PILE SECTION, INSTALLATION METHODS, AND PLANNED EQUIPMENT SHALL BE PRESENTED IN A SEPARATE SECTION WITHIN THE STEEL SHEET PILE INSTALLATION PLAN TO BE SUBMITTED TO THE ENGINEER FOR HIS REVIEW. BY THE SELECTING A SHEET PILE TYPE AND SECTION TO REPLACE THE DAMAGED TIMBER LAGGING AND SUBMITTING THE PLAN, THE CONTRACTOR AFFIRMS THAT THE PROPOSED TYPE AND SECTION OF THE PROPOSED SHEET PILE SHALL NOT DEFLECT HORIZONTALLY MORE THAN 0.5 INCHES AND IS SUITABLE TO REPLACE THE DAMAGED TIMBER LAGGING.

RAIN GARDEN PLANTING SCHEDULE

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	REMARKS
SHRUBS						
RA	1	Rhus arimatica	Fragrant Sumac	3–4' ht.	cont.	
VTC	6	Viburnum trilobum 'compactum'	Compact Cranberrybush Viburnum	2–3' ht.	cont.	
SA	11	Spiraea alba	Meadowsweet	2–3' ht.	cont.	
PERENNIALS						
AI	60	Asclepias incarnata	Swamp (pink) Milkweed	no. 1 cont.	cont.	12" o.c.
PV	100	Panicum virgatum	Switchgrass	no. 1 cont.	cont.	12" o.c.
SB	60	Symphyotrichum novae–belgii	New York Aster	no. 1 cont.	cont.	12" o.c.
SS	40	Solidago sempervirens	Seaside Goldenrod	no. 1 cont.	cont.	12" o.c.

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 502
NEW YORK, NEW YORK 10004
TEL: (646) 576-4024

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

LISTER PARK
ELEVATED GENERATOR PLATFORM
SITE PLAN

Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

C-201

Bar Measures 1 inch

Copyright: Tetra Tech

6/5/2020 4:22:26 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ERSD PACKAGE\C-201 - DETAILED SITE PLAN.DWG - SUDMAN, ERIC

TOP OF PROPOSED BULKHEAD TO TRANSITION DOWN TO MATCH TOP OF EXISTING BULKHEAD ELEVATION AT TIE-IN POINT

MEAN HIGH WATER LINE, TYP.

EL:5.00

157 LF 15" PERFORATED HDPE PIPE @ 0.33%

NEW OUTFALL PIPE FLUSH WITH FACE OF BULKHEAD INVERT AT BULKHEAD EL: 2.70 (INSTALL BACKFLOW PREVENTER AT BULKHEAD FACE)

13 LF 15" HDPE PIPE @ 0.33%

TOP OF PROPOSED BULKHEAD TO BE CONSTRUCTED TO ELEVATION 7.50, TYP.

EL: 5.00

EL:5.00

13 LF 15" HDPE PIPE @ 0.33%

NEW OUTFALL PIPE FLUSH WITH FACE OF BULKHEAD INVERT AT BULKHEAD EL: 2.70 (INSTALL BACKFLOW PREVENTER AT BULKHEAD FACE)

125 LF 15" PERFORATED HDPE PIPE @ 0.33%

EL:5.00

PR. CLEANOUT-6
RIM: 4.90
INV. OUT (15" N): 3.19

TOP OF PROPOSED BULKHEAD TO BE CONSTRUCTED TO ELEVATION 7.50, TYP.

EL:5.20

3 LF 15" HDPE PIPE @ 0.5%

PR. CATCH BASIN-5
GR: 4.70
INV. IN (15" N): 1.45
INV. OUT (WQ UNIT): 1.45
INV. OUT (BYPASS MH): 1.71

TOP OF PROPOSED BULKHEAD TO TRANSITION DOWN TO MATCH TOP OF EXISTING BULKHEAD ELEVATION AT TIE-IN POINT

PR. WQ UNIT-1
AQUA-SWIRL XC-2
RIM: 5.00
INV. IN: 1.44
INV. OUT: 1.44

7+05

7+50

EL:5.20

PROPOSED RAIN GARDEN

4 LF 15" HDPE PIPE @ 0.5%

PR. MANHOLE-2
RIM: 5.00
INV. IN (15" N): 1.42
INV. OUT (15" W): 1.42

PR. CLEANOUT-1
RIM: 4.90
INV. OUT (15" S): 3.27

3' WIDE FRENCH DRAIN WITH 15" PERFORATED HDPE PIPE (SEE DETAILS)

157 LF 15" PERFORATED HDPE PIPE @ 0.33%

PR. CLEANOUT-2
RIM: 4.90
INV. IN: 2.75 (15" N)
INV. IN: 2.75 (15" S)
INV. OUT (15" E): 2.75

PR. CLEANOUT-3
RIM: 4.90
INV. OUT (15" N): 3.00

76 LF 15" PERFORATED HDPE PIPE @ 0.33%

PR. CLEANOUT-4
RIM: 4.90
INV. OUT (15" S: 3.00

PR. CLEANOUT-5
RIM: 4.90
INV. IN: 2.75 (15" N)
INV. IN: 2.75 (15" S)
INV. OUT (15" E): 2.75

76 LF 15" PERFORATED HDPE PIPE @ 0.33%

PR. CATCH BASIN-4
GR: 3.50
INV. OUT (8" W): 1.94

17 LF 8" HDPE PIPE @ 0.5%

30 LF 12" HDPE PIPE @ 0.5%

PR. CATCH BASIN-2
GR: 5.15
INV. IN (12" NW): 2.53
INV. OUT (12" S): 2.53

PR. CATCH BASIN-1
GR: 5.20
INV. OUT (12" S): 2.58

10 LF 12" HDPE PIPE @ 0.5%

52 LF 12" HDPE PIPE @ 0.5%

80 LF 15" HDPE PIPE @ 0.50%

6 LF 15" HDPE PIPE @ 0.50%

PR. CATCH BASIN-3 GR: 4.83
INV. IN (8" E): 1.85
INV. IN (12" NW): 2.12
INV. OUT (15" S): 1.85

PR. MANHOLE-3
RIM: 4.75
INV. IN (15" SE): 1.40
INV. IN (15" NE)
INV. OUT (15" W): 1.40

22 LF 15" HDPE PIPE @ 0.5%

REPLACE GRATED MANHOLE COVER WITH SOLID COVER FOR ALL MANHOLES WITHIN LIMITS OF REPAVING, TYP.

APPROXIMATE LOCATION OF EXISTING SUBSURFACE STORAGE CHAMBERS (TO BE VERIFIED IN FIELD), TYP.

PR. MANHOLE-1
RIM: 5.32
INV. IN (12" N): 2.27
INV. OUT (12" SE): 2.27

EX. MANHOLE-1
RIM: 5.33
PR. INV. IN (15" SE): 1.30
EX. INV. IN (15" SW): 1.40
EX. INV. IN (15" W): 1.30
INV. OUT (15" NE): 1.30

EXISTING THREE (3) GRATED MANHOLE COVERS IN ADJACENT PARKING AREA TO REMAIN. STRUCTURE TO BE PROTECTED THROUGHOUT CONSTRUCTION.

APPROXIMATE LOCATION OF EXISTING SUBSURFACE STORAGE CHAMBERS (TO BE VERIFIED IN FIELD), TYP.

EX. MANHOLE-2
RIM: 7.13
PR. INV. IN (12" W): 3.06
EX. INV. OUT (12" NE): 1.60

32 LF 12" HDPE PIPE @ 1.0%

PR. MANHOLE-5
RIM: 8.10
INV. IN (12" W): 3.48
INV. OUT (12" E): 3.38

42 LF 12" HDPE PIPE @ 1.0%

CONNECT TO EXISTING ROOF LEADER WITH 90° FITTING

27 LF 6" PVC PIPE (PROVIDE POSITIVE SLOPE FROM EXISTING CONNECTIONS TO MANHOLE)

PR. MANHOLE-4
RIM: 8.50
INV. IN (6" SW): 4.00
INV. OUT (12" E): 3.90

CONNECT TO EXISTING ROOF LEADER WITH WYE OR TEE FITTING AS REQUIRED

CONNECT TO EXISTING ROOF LEADER WITH WYE OR TEE FITTING AS REQUIRED

CONNECT TO EXISTING ROOF LEADER WITH 90° FITTING

INSTALL BACKFLOW PREVENTION DEVICE ON 36" PIPE ON OUTLET PIPE IN THE MANHOLE

INSTALL BACKFLOW PREVENTION DEVICE ON 30" PIPE ON OUTLET PIPE IN THE MANHOLE

ROXBURY ROAD

CENTRE AVENUE

SEE DRAWING C-203 FOR DETAILED GRADING INFORMATION

NOTE:

1. CONTRACTOR TO RESET EXISTING MANHOLE FRAMES AND COVERS TO REMAIN TO MATCH PROPOSED GRADES. (REPLACING GRATES WITH COVERS AND FRAMES WILL NEED TO BE ADJUSTED)

SCALE: 1"=40'

TETRA TECH
www.tetratech.com
498 SEVENTH AVE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646)576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
EAST ROCKAWAY SCHOOL DISTRICT, EAST ROCKAWAY, NY

EAST ROCKAWAY HIGH SCHOOL PROJECT

GRADING AND DRAINAGE PLAN

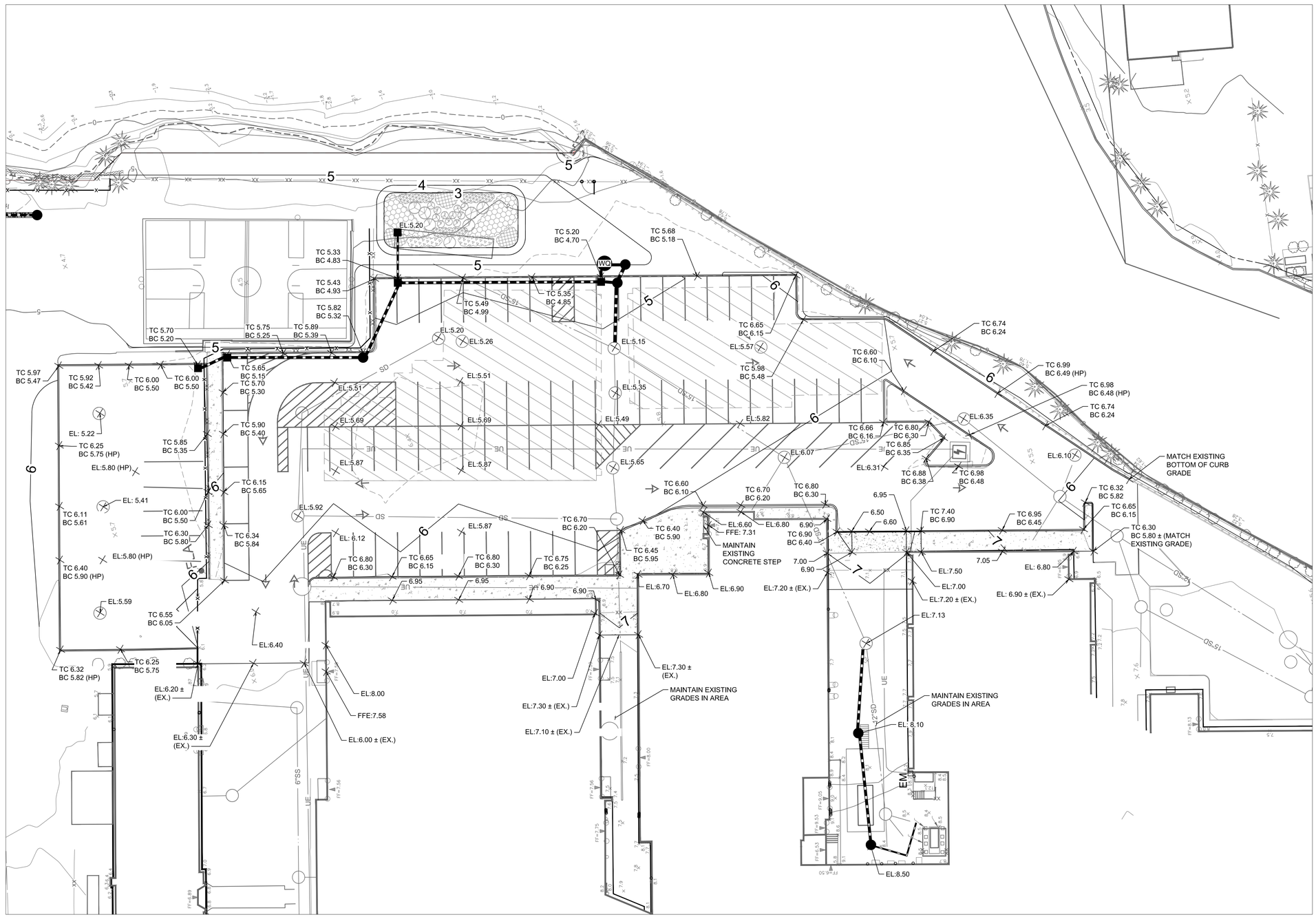
Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

C-202

Bar Measures 1 inch

Copyright: Tetra Tech

6/5/2020 3:07:23 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ERSD PACKAGE\C-202 - GRADING AND DRAINAGE PLAN.DWG - SUDMAN, ERIC



NOTE:

1. CONTRACTOR TO RESET EXISTING MANHOLE FRAMES AND COVERS TO REMAIN TO MATCH PROPOSED GRADES. (REPLACING GRATES WITH COVERS AND FRAMES WILL NEED TO BE ADJUSTED)

0 10 20 40
SCALE: 1"=20'

TETRA TECH
www.tetratech.com
498 SEVENTH AVE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646)576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
EAST ROCKAWAY SCHOOL DISTRICT, EAST ROCKAWAY, NY

EAST ROCKAWAY HIGH SCHOOL PROJECT

GRADING AND DRAINAGE PLAN
ENLARGEMENT AREA

Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

C-203

Copyright: Tetra Tech

Bar Measures 1 inch

6/5/2020 3:02:26 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ERSD PACKAGE\C-203 - GRADING PLAN.DWG - SUDMAN, ERIC

MILL RIVER

MEAN HIGH WATER, TYP.

LIMIT OF DISTURBANCE, TYP.

SILT FENCE, TYP.

STABILIZED CONSTRUCTION ACCESS

SEE INSET FOR ACCESS TO SITE FROM R.O.W

INLET PROTECTION, TYP.

7+05

7+00

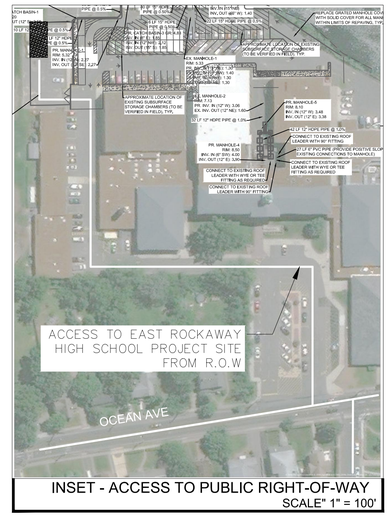
SILT FENCE, TYP.

INLET PROTECTION, TYP.

EAST ROCKAWAY HIGH SCHOOL

LIMIT OF DISTURBANCE, TYP.

CENTRE AVENUE



INSET - ACCESS TO PUBLIC RIGHT-OF-WAY
SCALE" 1" = 100'

0 20 40 80
SCALE: 1"=40'

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 502
NEW YORK, NEW YORK 10004
TEL: (646) 576-4024

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

LISTER PARK
ELEVATED GENERATOR PLATFORM

SOIL EROSION AND SEDIMENT CONTROL PLAN

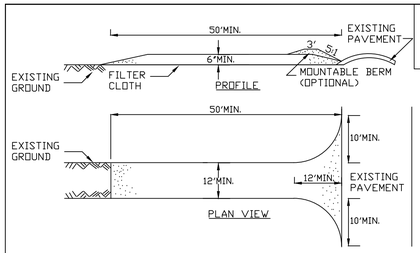
Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

C-301

Copyright: Tetra Tech

Bar Measures 1 inch

6/5/2020 3:55:14 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ERSD PACKAGE\C-301 - SESC DRAWINGS.DWG - SUDMAN, ERIC

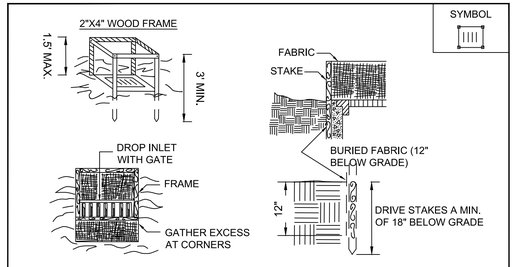


CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 1-4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ACCESS SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

ADAPTED FROM DETAILS PROVIDED BY: USDA - NRCS,
NEW YORK STATE DEPARTMENT OF TRANSPORTATION,
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION,
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

C1 - STABILIZED CONSTRUCTION ACCESS
N.T.S.

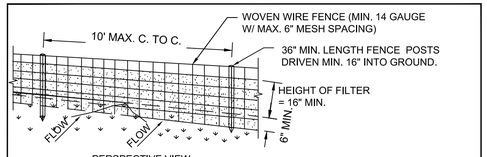


CONSTRUCTION SPECIFICATIONS

1. FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2" x 4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.
MAXIMUM DRAINAGE AREA 1 ACRE

ADAPTED FROM DETAILS PROVIDED BY: USDA - NRCS,
NEW YORK STATE DEPARTMENT OF TRANSPORTATION,
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION,
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

C5 - FABRIC DROP INLET PROTECTION
N.T.S.

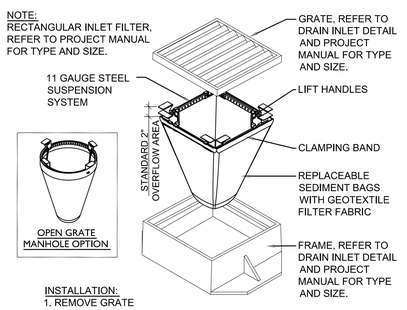


CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

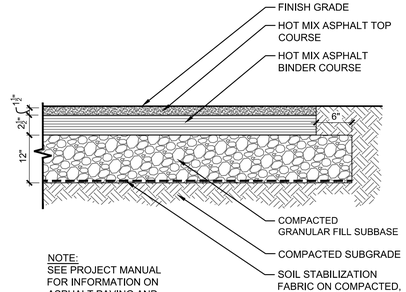
ADAPTED FROM DETAILS PROVIDED BY: USDA - NRCS,
NEW YORK STATE DEPARTMENT OF TRANSPORTATION,
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION,
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

C2 - SILT FENCE
N.T.S.



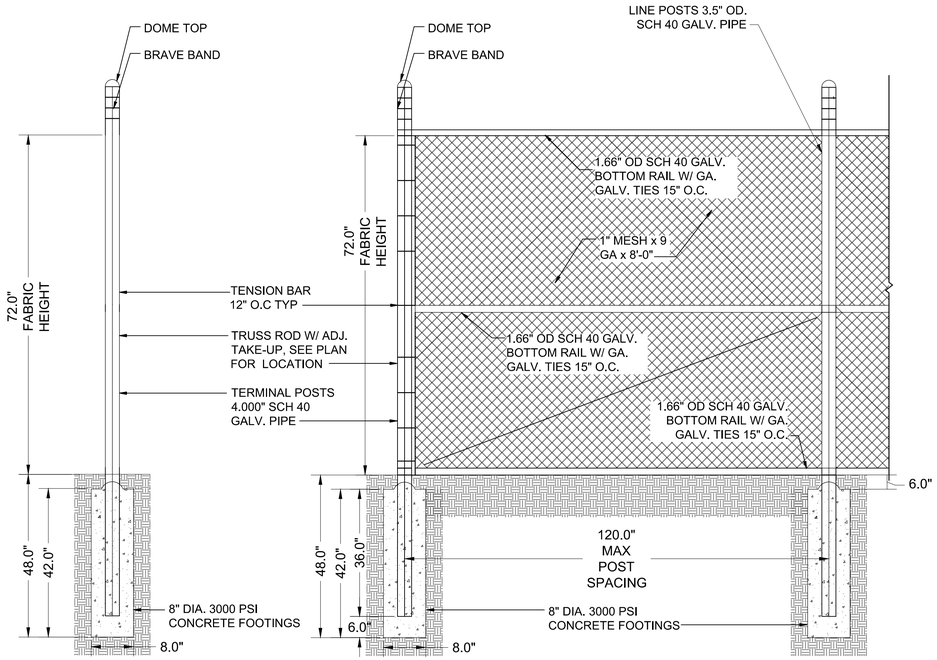
INSTALLATION:
1. REMOVE GRATE
2. DROP INLET FILTER ONTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE
3. REPLACE GRATE

C6 - DROP INLET PROTECTION - DROP IN FILTER
N.T.S.

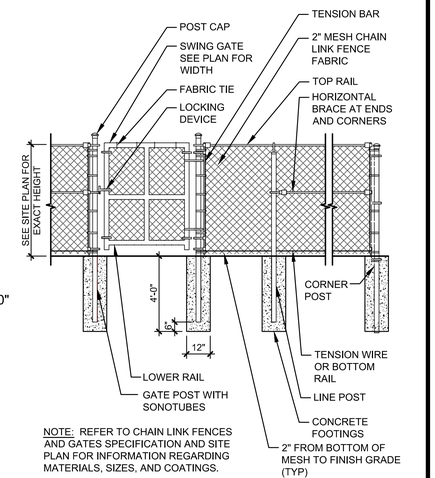


NOTE:
SEE PROJECT MANUAL FOR INFORMATION ON ASPHALT PAVING AND FILL TYPES.

C7 - ASPHALT PAVING
N.T.S.

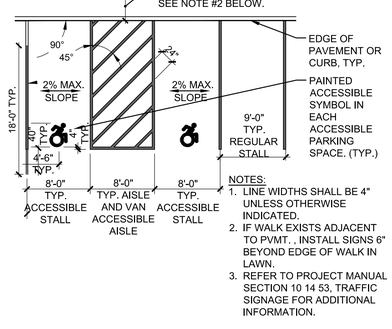


C3 - 6' CHAIN LINK FENCE
N.T.S.



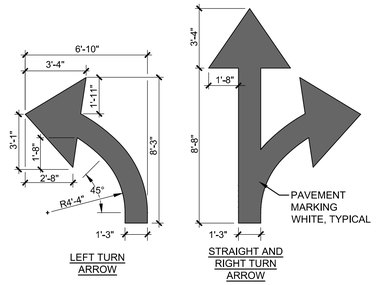
NOTE: REFER TO CHAIN LINK FENCES AND GATES SPECIFICATION AND SITE PLAN FOR INFORMATION REGARDING MATERIALS, SIZES, AND COATINGS.

C4 - CHAINLINK FENCE WITH SINGLE GATES
N.T.S.

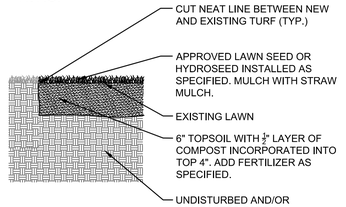


NOTES:
1. LINE WIDTHS SHALL BE 4" UNLESS OTHERWISE INDICATED.
2. IF WALK EXISTS ADJACENT TO PVMT. , INSTALL SIGNS 6" BEYOND EDGE OF WALK IN LAWN.
3. REFER TO PROJECT MANUAL SECTION 10 14 53, TRAFFIC SIGNAGE FOR ADDITIONAL INFORMATION.

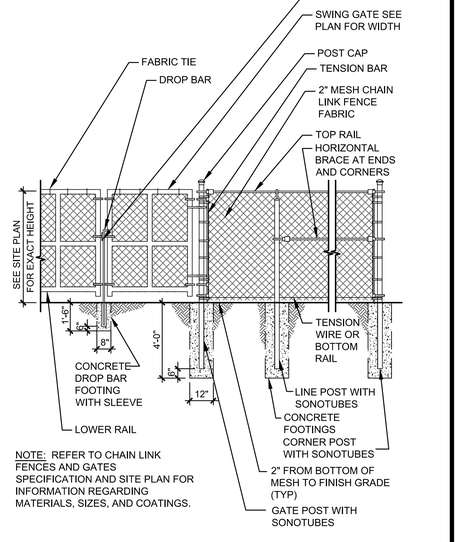
C8 - PARKING STALL STRIPING
N.T.S.



C9 - TRAFFIC ARROWS - PAINTED
N.T.S.



C10 - LAWN AREA - SEEDING DETAIL
N.T.S.



NOTE: REFER TO CHAIN LINK FENCES AND GATES SPECIFICATION AND SITE PLAN FOR INFORMATION REGARDING MATERIALS, SIZES, AND COATINGS.

C11 - CHAINLINK FENCE WITH DOUBLE GATES
N.T.S.

TETRA TECH
www.tetratech.com
498 SEVENTH AVE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646)576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
EAST ROCKAWAY SCHOOL DISTRICT, EAST ROCKAWAY, NY

EAST ROCKAWAY HIGH SCHOOL PROJECT

CIVIL DETAILS

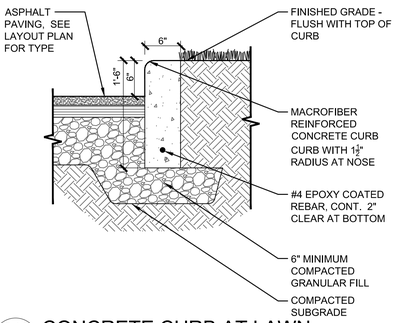
Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

C-500

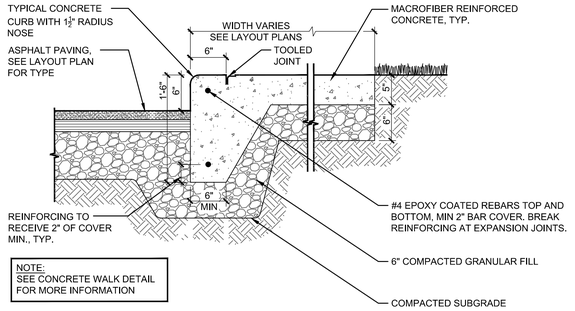
Copyright: Tetra Tech

Bar Measures 1 inch

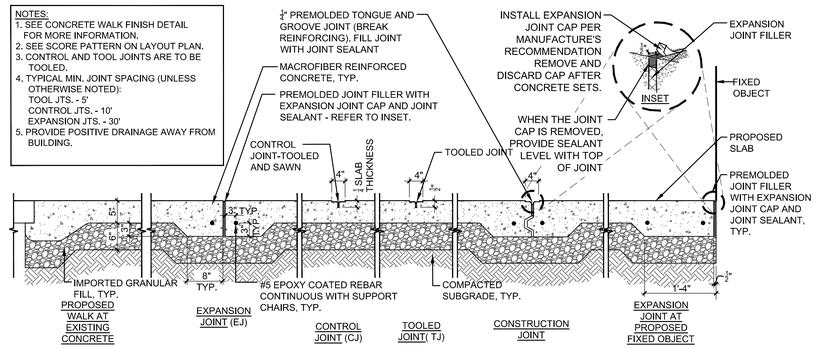
6/5/2020 3:17:27 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ERSD PACKAGE\C-500 - CIVIL DETAILS.DWG - SUDMAN, ERIC



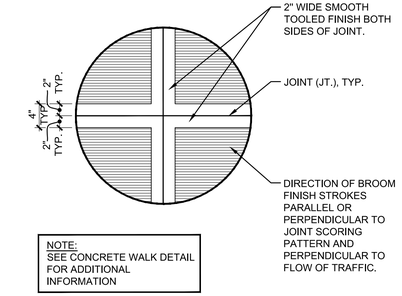
C12 - CONCRETE CURB AT LAWN
N.T.S.



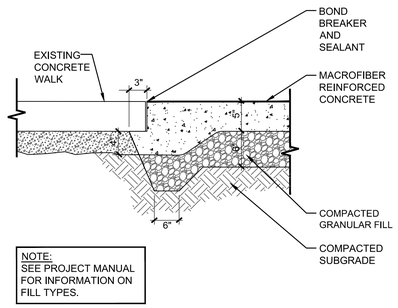
C13 - CONCRETE CURB - INTEGRAL
N.T.S.



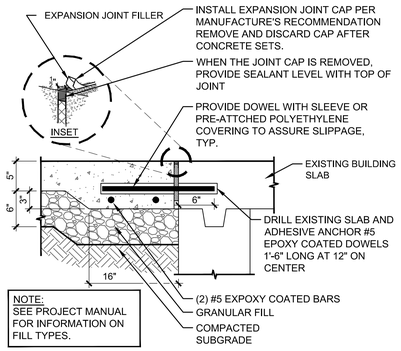
C14 - CONCRETE SIDEWALK
N.T.S.



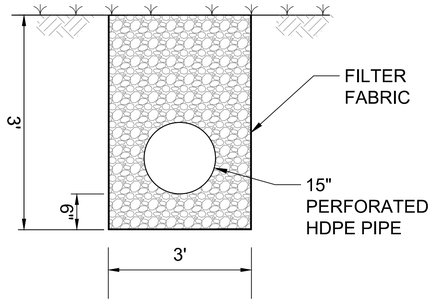
C15 - CONCRETE FINISH
N.T.S.



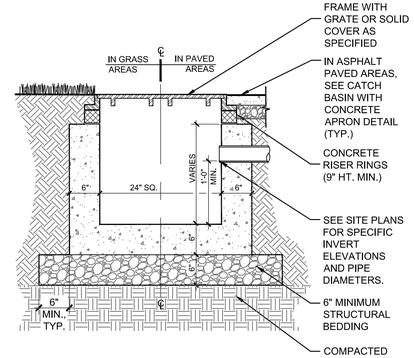
C16 - NEW CONCRETE SIDEWALK AT EXISTING CONCRETE SIDEWALK
N.T.S.



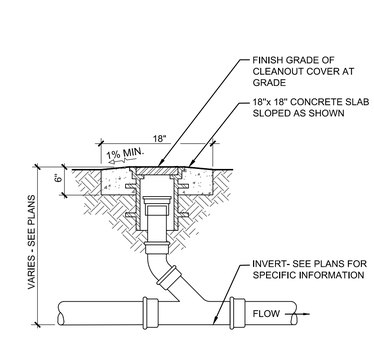
C17 - EXPANSION JOINT AT EXISTING SLAB
N.T.S.



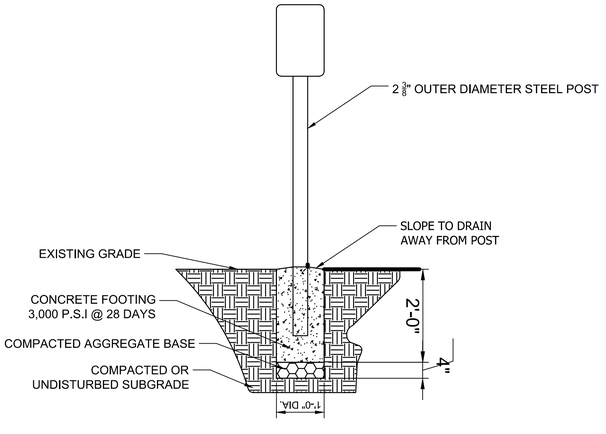
C18 - FRENCH DRAIN
N.T.S.



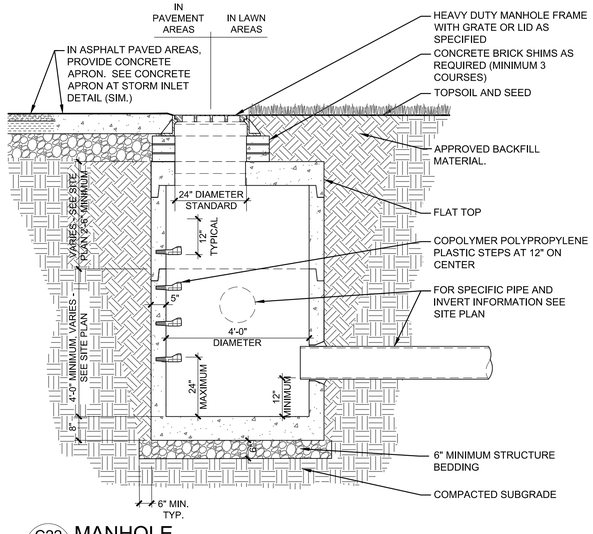
C19 - CATCH BASIN
N.T.S.



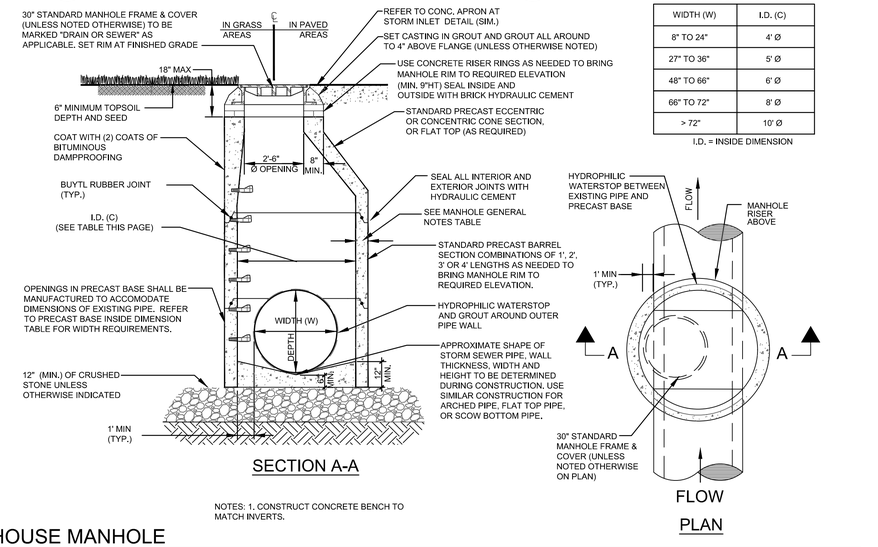
C20 - CLEANOUT
N.T.S.



C21 - SIGN POST



C22 - MANHOLE



PRECAST BASE INSIDE DIMENSION TABLE

WIDTH (W)	I.D. (C)
8" TO 24"	4' Ø
27" TO 36"	5' Ø
48" TO 66"	6' Ø
66" TO 72"	8' Ø
> 72"	10' Ø

I.D. = INSIDE DIMENSION

C23 - DOGHOUSE MANHOLE

TETRA TECH
www.tetratech.com
498 SEVENTH AVE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646)576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
EAST ROCKAWAY SCHOOL DISTRICT, EAST ROCKAWAY, NY

EAST ROCKAWAY HIGH SCHOOL PROJECT

CIVIL DETAILS

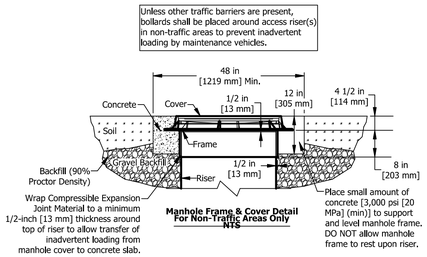
Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

C-501

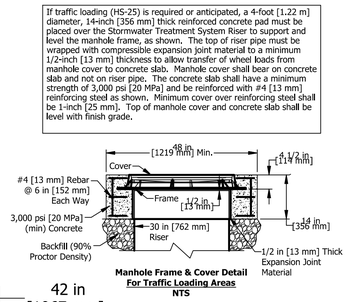
Bar Measures 1 inch

Copyright: Tetra Tech

6/5/2020 3:18:27 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ERSD PACKAGE\C-500 - CIVIL DETAILS.DWG - SUDMAN, ERIC



Manhole Frame & Cover Detail
For Non-Traffic Areas Only
NTS



Manhole Frame & Cover Detail
For Traffic Loading Areas
NTS

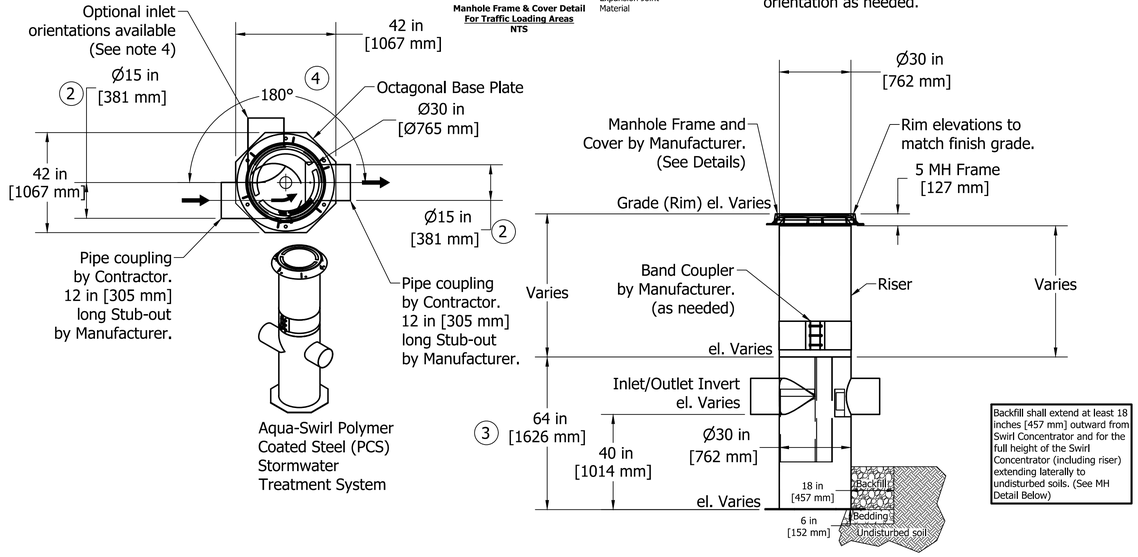
Please see accompanied Aqua-Swirl specification notes. See Site Plan for actual System orientation. Approximate dry (pick) weight: 1000 lbs [500 kg].

As an alternative, 42 in [1067 mm] diameter, HS-20/25 rated precast concrete rings may be substituted. 14 in [356 mm] thickness must be maintained.

(2) XC-2 inlet/outlet pipe size ranges up to 15 in [381 mm].

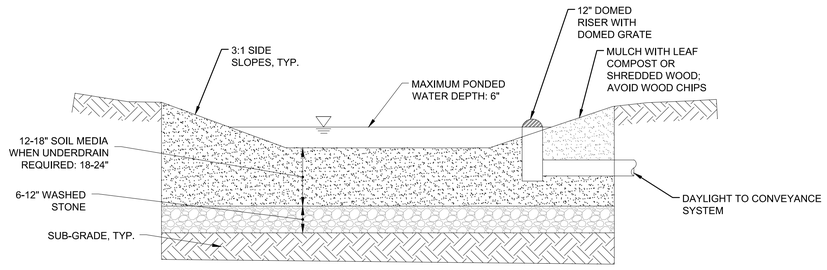
(3) XC-2 chamber height may vary up to 64 in [1626 mm], depending on inlet/outlet pipe size.

(4) Orientation may vary from a minimum of 90° to a maximum of 180°. Clockwise or counterclockwise orientation as needed.

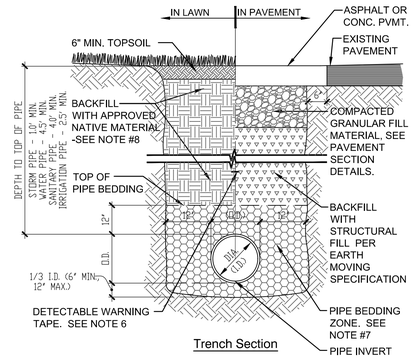


Backfill shall extend at least 18 inches [457 mm] outward from Swirl Concentrator and for the full height of the Swirl Concentrator (including riser) extending laterally to undisturbed soils. (See MH Detail Below)

C24 AQUA-SWIRL XCELERATOR XC-2 WATER QUALITY UNIT
N.T.S.



C26 RAIN GARDEN
N.T.S.



Trench Section

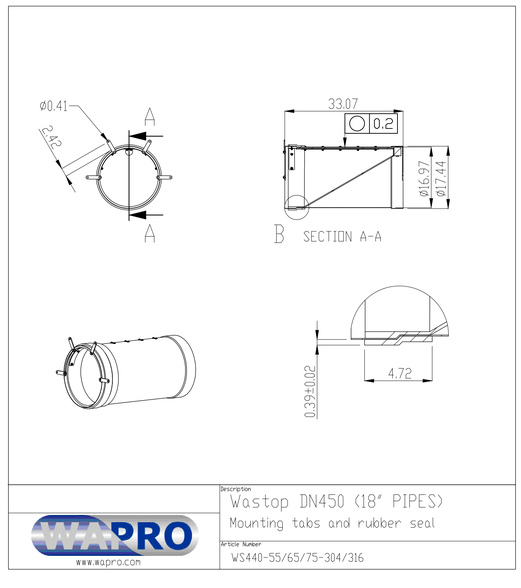
NOTES:

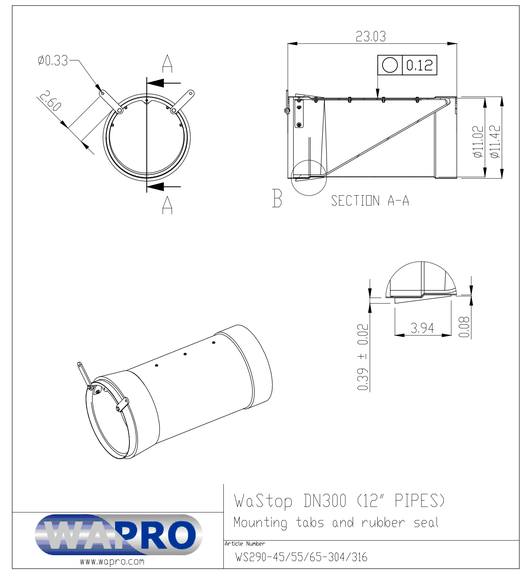
1. PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
2. TRENCHING OPERATIONS SHALL INCLUDE SHORING AND DEWATERING.
3. TRENCH DETAILS ARE ONLY SHOWN FOR PURPOSES OF MATERIAL PLACEMENT AND MAXIMUM PAY LIMITS. THICKNESSES INDICATED ARE MINIMUMS. WHERE EXISTING CONDITIONS EXCEED THOSE SHOWN, MATCH EXISTING.
4. MOVABLE PROTECTIVE TRENCH SHIELDS SHALL BE USED IN UNSHEETED TRENCH AREAS AS REQUIRED BY OSHA REGULATIONS.
5. MINIMUM BURY DEPTHS SHOWN ABOVE APPLY UNLESS OTHERWISE INDICATED.
6. PROVIDE DETECTABLE WARNING TAPE AS SPECIFIED.
7. PIPE BEDDING SHALL BE:

   STORM - USE STRUCTURAL FILL OR APPROVED FILL MATERIAL IN PIPE ZONE.
   SANITARY - USE CRUSHED STONE UTILITY BEDDING IN PIPE ZONE.
   WATER - USE CRUSHED STONE IN PIPE ZONE.
   IRRIGATION - USE SAND IN PIPE ZONE.
   FORCE MAIN - USE SAND OR STRUCTURAL FILL IN PIPE ZONE.

8. NATIVE MATERIAL USED IN TRENCH TO HAVE 6" AND LARGER STONES REMOVED.

C25 PIPE TRENCHING/EXCAVATION
N.T.S.





C27 BACKFLOW PREVENTERS
N.T.S.

TETRA TECH
www.tetratech.com
498 SEVENTH AVE, 15TH FLOOR
NEW YORK, NY 10018
PHONE: (646)576-4034

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

GOVERNOR'S OFFICE OF STORM RECOVERY
EAST ROCKAWAY SCHOOL DISTRICT, EAST ROCKAWAY, NY

EAST ROCKAWAY HIGH SCHOOL PROJECT

CIVIL DETAILS

Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

C-502

Copyright: Tetra Tech

Bar Measures 1 inch

6/5/2020 3:19:15 PM - P:\89763\200-89763-18003\CAD\SHEETFILES\ERSD PACKAGE\IC-500 - CIVIL DETAILS.DWG - SUDMAN, ERIC

BACKGROUND PLAN AND ONE LINE SYMBOLS

SYMBOL	DESCRIPTION
⊙	CONTROL SWITCH (SEL. OR P.B.) SEE CIRCUITS FOR SPECIFIC TYPE
F FL	SEE CIRCUITS FOR SPECIFIC TYPE FLOAT SWITCH - FLOW SWITCH
T M	TEMPERATURE - HUMIDISTAT SWITCH (SUBSCRIPT = NO. OF STAGES)
L P V	LIMIT - PRESSURE - VACUUM SWITCH
ALT	ELECTRICAL OR MECHANICAL ALTERNATOR (SEE WIRING)
OS	OVERLOAD SWITCH OR DEVICE
TB	TERMINAL BOX
⊗	SOLENOID VALVE
PC	PHOTOCELL LINE VOLTAGE
□ —— 30	ITEM NO. INTERCOM EQUIPMENT
A WS LB	INTERCOMMUNICATION SYSTEM AMPLIFIER - WALL STATION - LINE BALANCE
DS	INTERCOMMUNICATION DESK SET
	INTERCOM. SPEAKER (SURFACE MTD.)
	INTERCOM. SPEAKER (CEILING LAY-IN)
	TELEPHONE OUTLET - 1"C.(2)CAT 6 CABLES TO NETWORK RACK
	WELDING RECEPTACLE - NEMA L9-50R 600V, 2P, 3W, SIMPLEX
HS	INTERCOM HANDSET - SURFACE MOUNTED WITH REMOTE SPEAKER AMPLIFIER
VC	INTERCOM VOLUME CONTROL
	INTERCOM SPEAKER - SURFACE MOUNTED
HS	INTERCOM HANDSET - FLUSH MOUNTED WITH REMOTE SPEAKER AMPLIFIER
	AS NOTED (LIGHTING PANEL, CONTROL PANEL, DISTRIBUTION PANEL ETC.) WALL MOUNTED
JB	JUNCTION BOX
	HEATER
	TRANSFORMER
	CONDUIT WITH CONDUIT SEAL FITTING
	CONDUIT EXPOSED
	CONDUIT CONCEALED
—E—	DIRECT BURIED CONDUIT
—UG—	DIRECT BURIED CABLE
—OE—	OVERHEAD LINE
—DB—	UNDERGROUND DUCT BANK
1 2 3 4 5 6	CONCRETE ENCASED DUCT BANK, WITH CABLE LOCATIONS AND SPARE DUCTS AS INDICATED ON DRAWINGS
	CABLE REEL
M	MOTION SENSOR
	GROUND

SYMBOL	DESCRIPTION
	LOW VOLTAGE DISCONNECT SWITCH
	LOW VOLTAGE FUSE (BELOW 600V)
1 RV 2 FVR 3 2S,2W	ALL STARTERS SHALL BE FULL VOLTAGE NON-REVERSING UNLESS OTHERWISE INDICATED (FVR) FULL VOLTAGE REVERSING (RV) REDUCED VOLTAGE (2S,2W) TWO SPEED, TWO WINDING
	600V, 3 POLE MOLDED CASE CIRCUIT BREAKER, FRAME & RATING AS SHOWN
1/2 A-3	SINGLE PHASE, FRACTIONAL HP MOTOR TO LOCATION INDICATED (SEE GEN. NOTE 4)
A	THREE PHASE LOAD WITH IDENTIFICATION
	HIGH VOLTAGE FUSE (ABOVE 600 V)
10	TAG NO. (BALLOON) FOR DEVICE INDICATED
A-3 F 10 MCP OR CP-1	FOR POWER (SEE GEN. NOTE 4) 3/4"C/2/C#18 SHLD.)CONDUIT AND WIRE RUN FROM DEVICE INDICATED TO LOCATION INDICATED
	CAPACITOR, 3 PHASE, SIZE AS INDICATED
F C	DISCONNECT SWITCH (F) = FUSED (C) = CIRCUIT BREAKER
	MAGNETIC STARTER (BACKGROUND DRAWINGS ONLY)
SIZE 2	COMBINATION MAGNETIC STARTER FUSED UNLESS NOTED (CIRCUIT BREAKER)
LC	COMBINATION LIGHTING CONTACTOR WITH HAND-OFF-AUTO SWITCH
F R	MANUAL STARTER (R) = REVERSING
CP	CONTROL PANEL
TCP	TEMPERATURE CONTROL PANEL
1/8 UH-19	UNIT HEATER, 1/8 HORSEPOWER
BUS DUCT	600 VOLT FEEDER BUS DUCT (AMPERAGE AS INDICATED)
	LIGHTNING ARRESTOR
A-3	LOW VOLTAGE HOME RUNS 120/208 V 120/240 V (SEE GEN. NOTE 4)
NEMA 4	WATERTIGHT
NEMA 4X	WATERTIGHT AND CORROSION PROOF
NEMA 7	EXPLOSION PROOF - CLASS I, DIVISION I, GROUP D
NEMA 9	EXPLOSION PROOF - CLASS II, DIVISION 1
K	KEYLOCK
SD	SMOKE DETECTOR
EXIT	EXIT LIGHT
	LIGHT FIXTURE
	WALL MOUNTED LIGHT FIXTURE
	HIGH INTENSITY DISCHARGE LIGHT
EM	EMERGENCY BATTERY PACK
	POLE MOUNTED LIGHT FIXTURE

GENERAL NOTES:

1. ELECTRICAL MATERIALS AND EQUIPMENT ITEMS SHOWN IN LIGHT LINE WEIGHTS ON THE DRAWINGS ARE EXISTING ITEMS TO REMAIN. ELECTRICAL MATERIALS AND EQUIPMENT ITEMS SHOWN IN HEAVY LINE WEIGHTS ARE NEW THIS CONTRACT.

2. ITEMS SHOWN CROSSHATCHED ON THE DRAWINGS ARE EXISTING ITEMS TO BE REMOVED.

3. FOR ITEMS INDICATED AS "FIELD LOCATE" CHECK DRAWINGS OF OTHER TRADES (IN PARTICULAR PIPING AND STRUCTURAL) FOR INTERFERENCE AND FOR LOCATIONS OF MOUNTING FLANGES, CONNECTION POINTS, ETC.

4. INSTALL A SINGLE CONDUCTOR INSULATED (RHW, THHN, OR XHHW) COPPER GROUND WIRE IN EACH CONDUIT, SIZE AS SHOWN ON DRAWINGS OR AS A MINIMUM PER THE NATIONAL ELECTRICAL CODE. THIS GROUND WIRE SHALL BE CONNECTED AT EACH END TO THE EQUIPMENT GROUND. CONDUIT SHALL BE 3/4" MIN.

5. THE FOLLOWING COMPONENT IDENTIFICATION SHALL BE USED AS APPROPRIATE:
   (F) FIELD MOUNTED, NOT AT STARTER OR OTHER CONTROL PANELS.
   (S) STARTER PANEL MOUNTED.
   (MCP) AT MAIN CONTROL PANEL.
   (1) AT CONTROL PANEL NO. 1
   (2) AT CONTROL PANEL NO. 2
   (TCP) AT TEMPERATURE CONTROL PANEL.

CONTROL CIRCUIT & PILOT DEVICE LEGEND

SYMBOL	DESCRIPTION
	PRESS. ACTUATED SWITCH
	FLOAT ACTUATED SWITCH
	FLOW ACTUATED SWITCH
	TEMP. ACTUATED SWITCH
	LIMIT SWITCH-NORMALLY OPEN
	LIMIT SWITCH-NORMALLY CLOSED
	LIMIT SWITCH-NORMALLY CLOSED-HELD OPEN
	LIMIT SWITCH-NORMALLY OPEN-HELD CLOSED
	LATCHING CABLE SWITCH
	TIME-DELAY FUSE
CR	CONTROL RELAY COIL
	CONTROL RELAY CONTACT-NORMALLY OPEN
	CONTROL RELAY CONTACT-NORMALLY CLOSED
CR L CR U	TWO COIL LATCHING RELAY
T	TIMING RELAY COIL
	TIMED CLOSED CONTACT ON ENERGIZATION
	TIMED OPEN CONTACT ON ENERGIZATION
	TIMED OPEN CONTACT ON DE-ENERGIZATION
	TIMED CLOSED CONTACT ON DE-ENERGIZATION
X1 X2	120 VAC TRANSFORMER

SYMBOL	DESCRIPTION
H A	SELECTOR SWITCH OPERATOR WITH FUNCTION SHOWN
	MOMENTARY PUSHBUTTON OPERATOR-NORMALLY OPEN
	MOMENTARY PUSHBUTTON OPERATOR-NORMALLY CLOSED
	PUSHBUTTON OPERATOR WITH MUSHROOM HEAD
(F)	FIELD LOCATED STOP BUTTON
	MAINTAINED PUSH-PULL OPERATOR
	MAINTAINED STOP-START PUSHBUTTON OPERATOR
	SOLENOID OR CLUTCH
R 1	PUSH-TO-TEST INDICATING LIGHT
	MAINTAINED STOP-MOMENTARY START PUSHBUTTON (JOG)
	ZERO SPEED OR ANTI-PLUGGING SWITCH
	LOCAL TERMINALS WITH EXTERNAL WIRING
ET	ELAPSED TIME INDICATOR
TINST. TINST.	TIMING RELAY INSTANTANEOUS CONTACTS

WIRING DEVICE SCHEDULE

SYMBOL	DESCRIPTION	NEMA TYPE
	125V, 2P, SIMPLEX, CLOCK HANGER	1-15 R
	125V, 2P, SIMPLEX, 3W	5-20 R
	125V, 2P, DUPLEX, 3W	5-20 R
	125/250V, 3P, SIMPLEX, 3W, RANGE TYPE	10-50 R
S	20A, 120/277 V SWITCH	SPST
S 2P	20A, 120/277 V SWITCH	2PDT
S 3	20A, 120/277 V SWITCH	3 WAY
S 4	20A, 120/277 V SWITCH	4 WAY
S D	20A, 120/277 V DIMMER SWITCH	
	250V, 2P, SIMPLEX, 3W, 50A	6-50R
	125V, 2P, MULTI-RECEPTACLE	5-15R
	250V, 2P, SIMPLEX, 3W, 20A	6-20R
	600V, 2P, 3W, SIMPLEX WELDING	L9-50R
	208V, 3P, SIMPLEX, 4W, LOCKING	L14-20R
	277V, 2P, DUPLEX, 3W	7-15R
	125V, 2P, DUPLEX, 3W RECEPTACLE INSTALLED ABOVE COUNTERTOP	5-20R
	125V, 2P, QUAD, 3W RECEPTACLE	5-20R
S M	SWITCHBOX MOTION SENSOR WITH MANUAL OVERRIDE	
S MT	SWITCH, MOMENTARY, SPRING RETURN TO CENTER	

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 502
NEW YORK, NEW YORK 10004
TEL: (646) 576-4024

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

LISTER PARK
ELEVATED GENERATOR PLATFORM

ELECTRICAL LEGEND AND ABBREVIATIONS

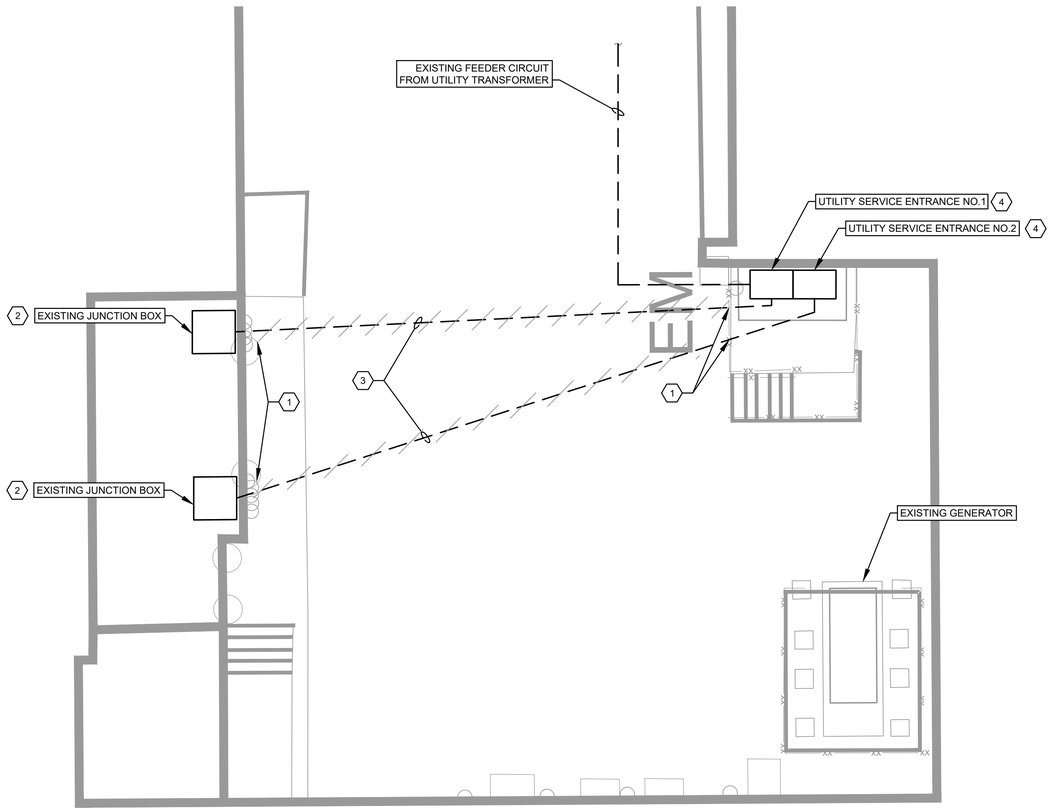
Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

E-001

Copyright Tetra Tech

Bar Measures 1 inch

6/5/2020 5:03:18 PM - \\TT3630FS2.TT.LOCAL\PROJECTS\89763\200-89763-18003\CAD\SHEETFILES\ERSD PACKAGE\E-001 ELECTRICAL DETAILS.DWG - SEIGNORET, JASON



ELECTRICAL DEMOLITION SITE PLAN

SCALE: 1"=5'-0"

DEMOLITION KEY NOTES

1: INTERCEPT EXISTING SERVICE ENTRANCE CONDUITS (4-4" CONDUITS). CONTRACTOR SHALL CUT AND DIG EXISTING ASPHALT SERVICE TO INTERCEPT EXISTING CONDUITS.
2: CUT AND LABEL EXISTING CONDUCTORS IN EXISTING JUNCTION BOX. LEAVE 5' OF EXISTING CONDUCTOR ROLLED UP IN JUNCTION BOX FOR SPLICING NEW CONDUCTORS DURING INSTALLATION.
3: DISCONNECT AND REMOVE CONDUCTORS AND CONDUITS (4-4" CONDUITS). CONDUITS TO BE ABANDONED IN PLACE.
4: EXISTING UTILITY SERVICE ENTRANCE SWITCH. DISCONNECT AND REMOVE EXISTING LOAD SIDE CONDUCTORS. CONTRACTOR TO COORDINATE WITH UTILITY TO DE-ENERGIZE UTILITY SERVICE ENTRANCE SWITCH.

0 2.5' 5' 10'
SCALE: 1" = 5'

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 502
NEW YORK, NEW YORK 10004
TEL: (646) 576-4024

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

LISTER PARK
ELEVATED GENERATOR PLATFORM
ELECTRICAL DEMOLITION PLAN

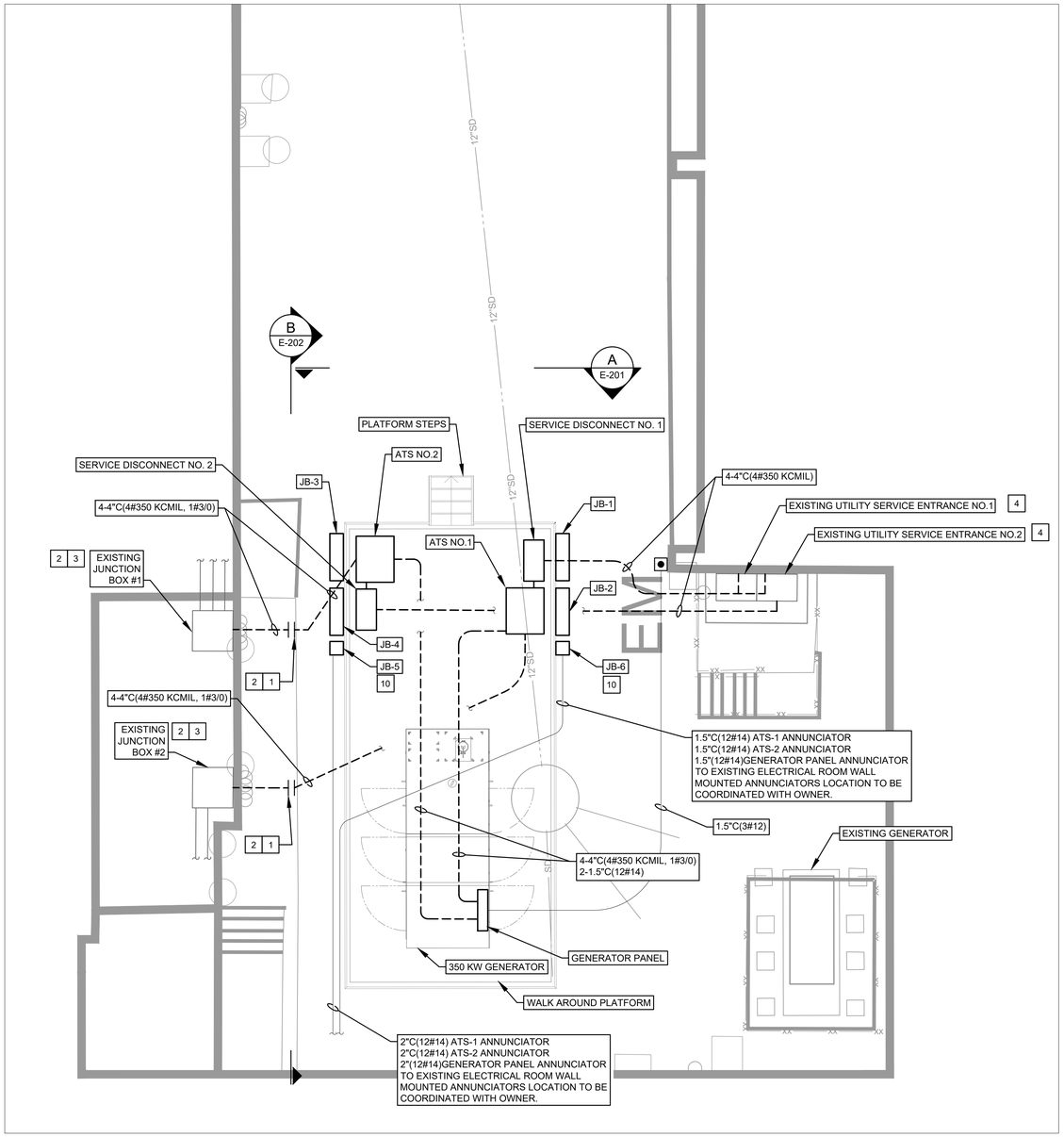
Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

E-101

Copyright: Tetra Tech

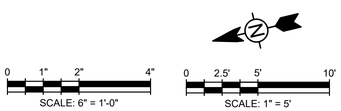
Bar Measures 1 inch

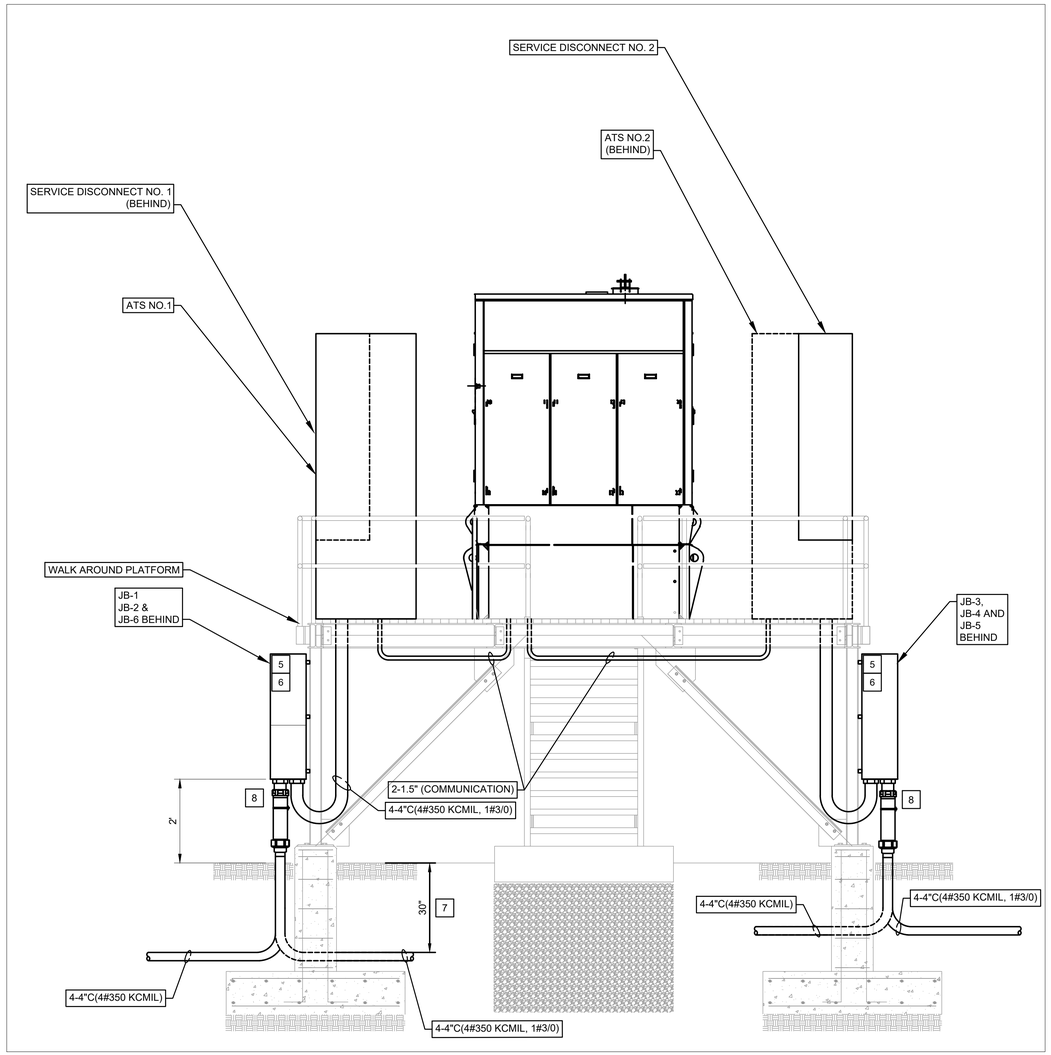
6/5/2020 5:05:41 PM - \\TTS630F52.TT.LOCAL\PROJECTS\89763\200-89763-18003\CAD\SHEETFILES\IERSD PACKAGE\E-101.DWG - SEIGNORET, JASON



PROPOSED ELECTRICAL SITE PLAN

SCALE: 1"=5'-0"





A E-201 GENERATOR ELEVATION

SCALE: 6"=1'-0"

INSTALLATION KEY NOTES X

1: FIELD LOCATE AND INTERCEPT EXISTING CONDUITS. CUT AND PULL EXCESS EXISTING CONDUCTORS TO EXISTING JUNCTION BOXES.
2: PROVIDE UNDERGROUND RATED COUPLING TO SPLICE NEW CONDUIT TO EXISTING CONDUIT WITH APPROPRIATE SEALING COMPOUND.
3: PROVIDE MECHANICAL COMPRESSION SPLICE CONNECTION IN EXISTING JUNCTION BOX TO CONNECT EXISTING FEEDER CIRCUITS TO NEW SERVICE FEEDER.
4: CONNECT TO EXISTING LOAD SIDE OF UTILITY SERVICE ENTRANCE SWITCH. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY FOR CONNECTION INTO SWITCH AND TO ENERGIZE SERVICE.
5: 42"x42"x12" 304SS WITH PAD LOCKABLE HINGED COVER JUNCTION BOXES, UNISTRUT MOUNTED WITH 304SS HARDWARE. TYPICAL OF FOUR.
6: PROVIDE 36" CABLE LOOP INSIDE JUNCTION BOXES TO ALLOW VERTICAL SETTLING OF PLATFORM.
7: ALL UNDERGROUND CONDUITS TO BE A MINIMUM OF 30" BURIAL DEPTH.
8: 4" ALUMINUM EXPANSION COUPLINGS CROUSE-HINDS XJG108 SA BJ108, OR EQUAL.
9: 2" ALUMINUM EXPANSION COUPLINGS CRUISE-HINDS XJG68-SA-BJ68.
10: 12"X12"X12" 304SS JUNCTION BOX WITH PADLOCKABLE HINGED COVER. UNISTRUT MOUNTED WITH 304SS HARDWARE.

GENERAL NOTES

1: CONTRACTOR SHALL INSTALL UTILITY CONNECTIONS, AND ALL OTHER CONNECTIONS GOING TO OR FROM GENERATOR PLATFORM USING FLEXIBLE COUPLINGS TO ACCOMMODATE POTENTIAL SETTLEMENT DUE TO EXISTING SUBSURFACE SOILS CONDITIONS.

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 502
NEW YORK, NEW YORK 10004
TEL: (646) 576-4024

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

LISTER PARK

ELEVATED GENERATOR PLATFORM

ELECTRICAL SITE PLAN

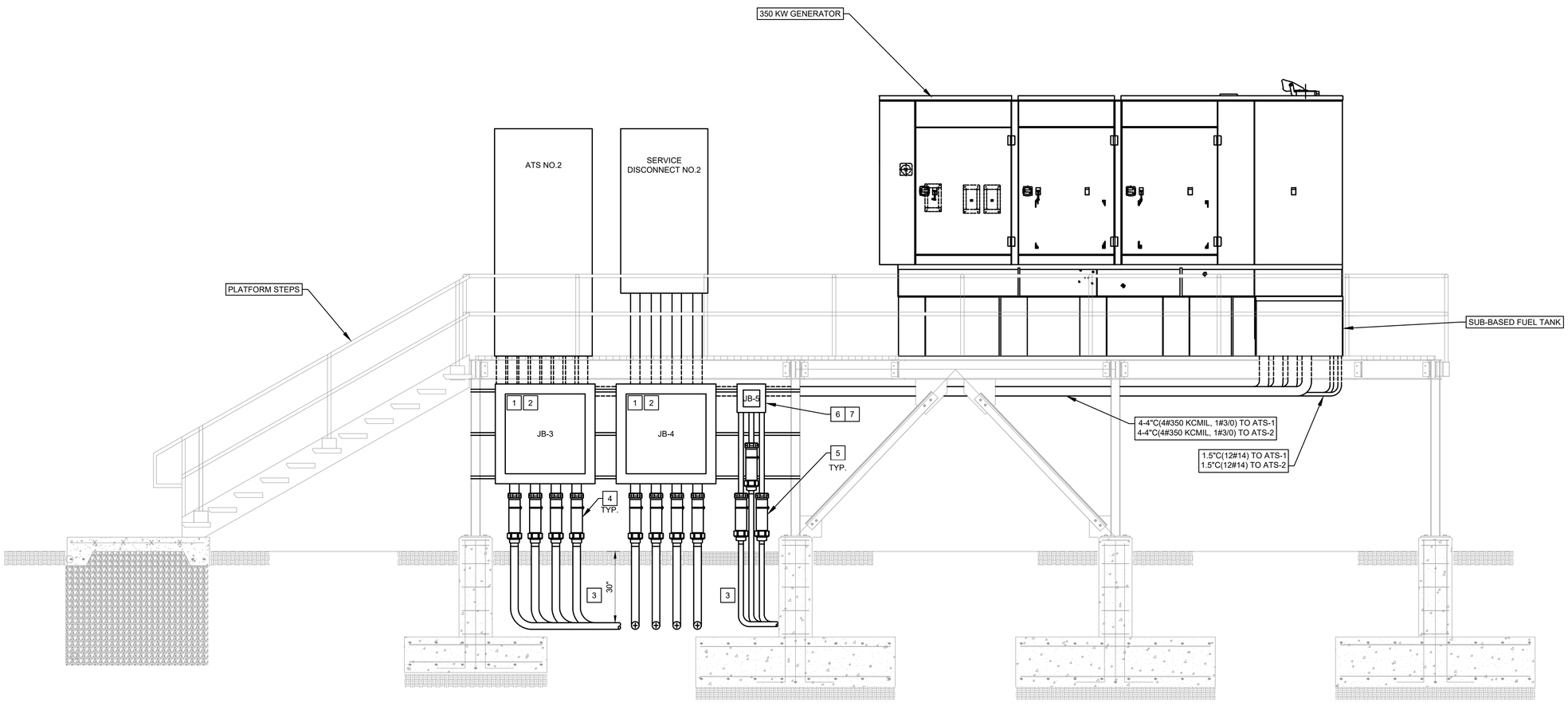
Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

E-201

Copyright: Tetra Tech

Bar Measures 1 inch

6/5/2020 5:06:04 PM - \\TTS630FS2.TT.LOCAL\PROJECTS\89763\200-89763-18003\CAD\SHEETFILES\ERSD PACKAGE\E-201.DWG - SE\IGNORET, JASON



B E-202 GENERATOR ELEVATION

SCALE: 6"=1'-0"

INSTALLATION KEY NOTES [X]

1: 42"x42"x12" NEMA 3R 304SS JUNCTION BOXES WITH PAD LOCKABLE HINGED COVER, UNISTRUT MOUNTED WITH 304SS HARDWARE. TYPICAL OF FOUR.
2: PROVIDE 36" CABLE LOOP INSIDE JUNCTION BOXES #1, #2, #3, AND #4TO ALLOW VERTICAL SETTLING OF PLATFORM.
3: ALL UNDERGROUND CONDUITS TO BE A MINIMUM OF 30" BURIAL DEPTH.
4: 4" ALUMINUM EXPANSION COUPLINGS CROUSE-HINDS XJG108 SA BJ108 OR EQUAL.
5: 2" ALUMINUM EXPANSION COUPLING CROUSE-HINDS XJG685A BJ68 OR EQUAL.
6: 12"x12"x12" NEMA 3R 304SS JUNCTION BOXES WITH PAD LOCKABLE HINGED COVER, UNISTRUT MOUNTED WITH 304SS HARDWARE. TYPICAL OF TWO.
7: PROVIDE 10" CABLE LOOP INSIDE JUNCTION BOXES #5, AND #6 TO ALLOW VERTICAL SETTLING OF PLATFORM.

GENERAL NOTES

1: CONTRACTOR SHALL INSTALL UTILITY CONNECTIONS AND ALL OTHER CONNECTIONS COMING TO OR FROM GENERATOR PLATFORM USING FLEXIBLE COUPLINGS TO ACCOMMODATE POTENTIAL SETTLEMENT DUE TO EXISTING SUBSURFACE SOILS CONDITIONS.

0 1" 2" 4"
SCALE: 6" = 1'-0"

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 502
NEW YORK, NEW YORK 10004
TEL: (646) 576-4024

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

LISTER PARK

ELEVATED GENERATOR PLATFORM

ELECTRICAL GENERATOR ELEVATION

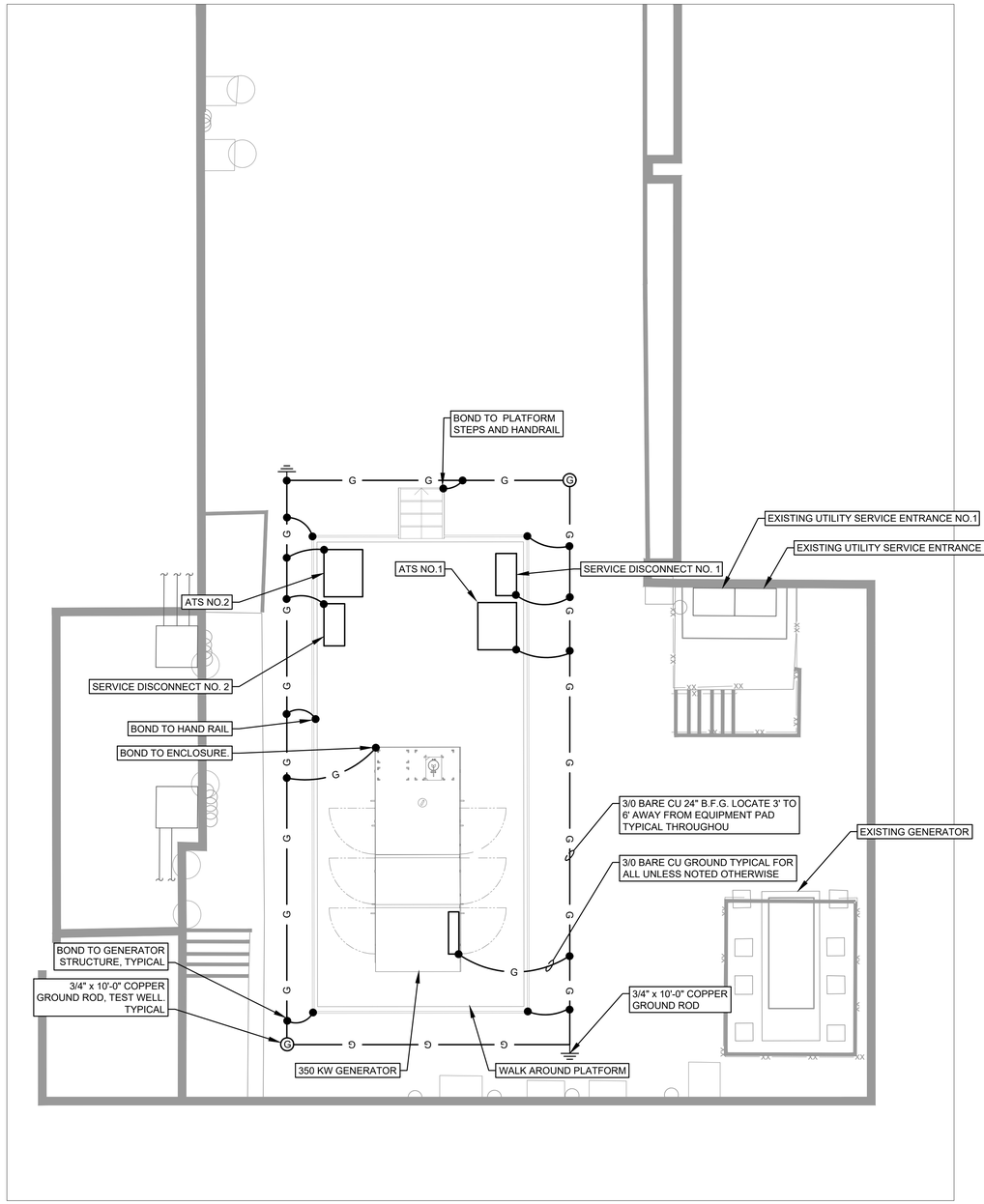
Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

E-202

Copyright: Tetra Tech

Bar Measures 1 inch

6/5/2020 5:06:49 PM - \\TTS630FS2.TT.LOCAL\PROJECTS\89763\200-89763-18003\CAD\SHEETFILES\ERSD PACKAGE\E-202 ELECTRICAL ELEVATIONS.DWG - SE(IGNORET, JASON



PROPOSED ELECTRICAL GROUNDING PLAN

SCALE: 1"=5'-0"

GENERAL NOTES

1: CONNECTIONS SHALL UTILIZE EXOTHERMIC WELD UNLESS NOTED OTHERWISE.

0 2.5' 5' 10'

SCALE: 1" = 5'

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 502
NEW YORK, NEW YORK 10004
TEL: (646) 576-4024

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

LISTER PARK

ELEVATED GENERATOR PLATFORM

ELECTRICAL GROUNDING PLAN

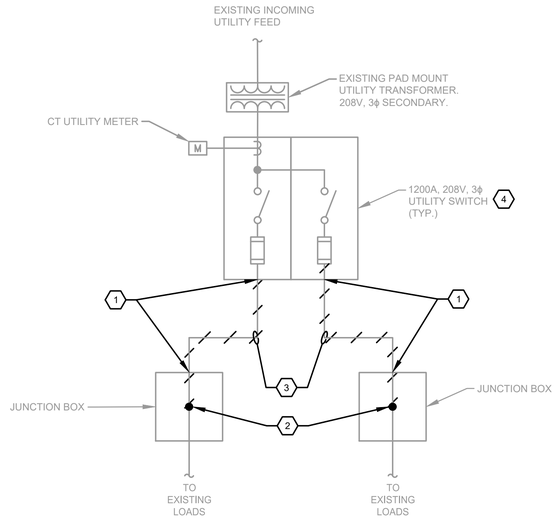
Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

E-203

Copyright Tetra Tech

Bar Measures 1 inch

6/5/2020 5:07:24 PM - \\TTS630F52.TT.LOCAL\PROJECTS\89763\200-89763-18003\CAD\SHEETFILES\ERSD PACKAGE\E-203 ELECTRICAL GROUNDING PLAN.DWG - SEIGNORET, JASON

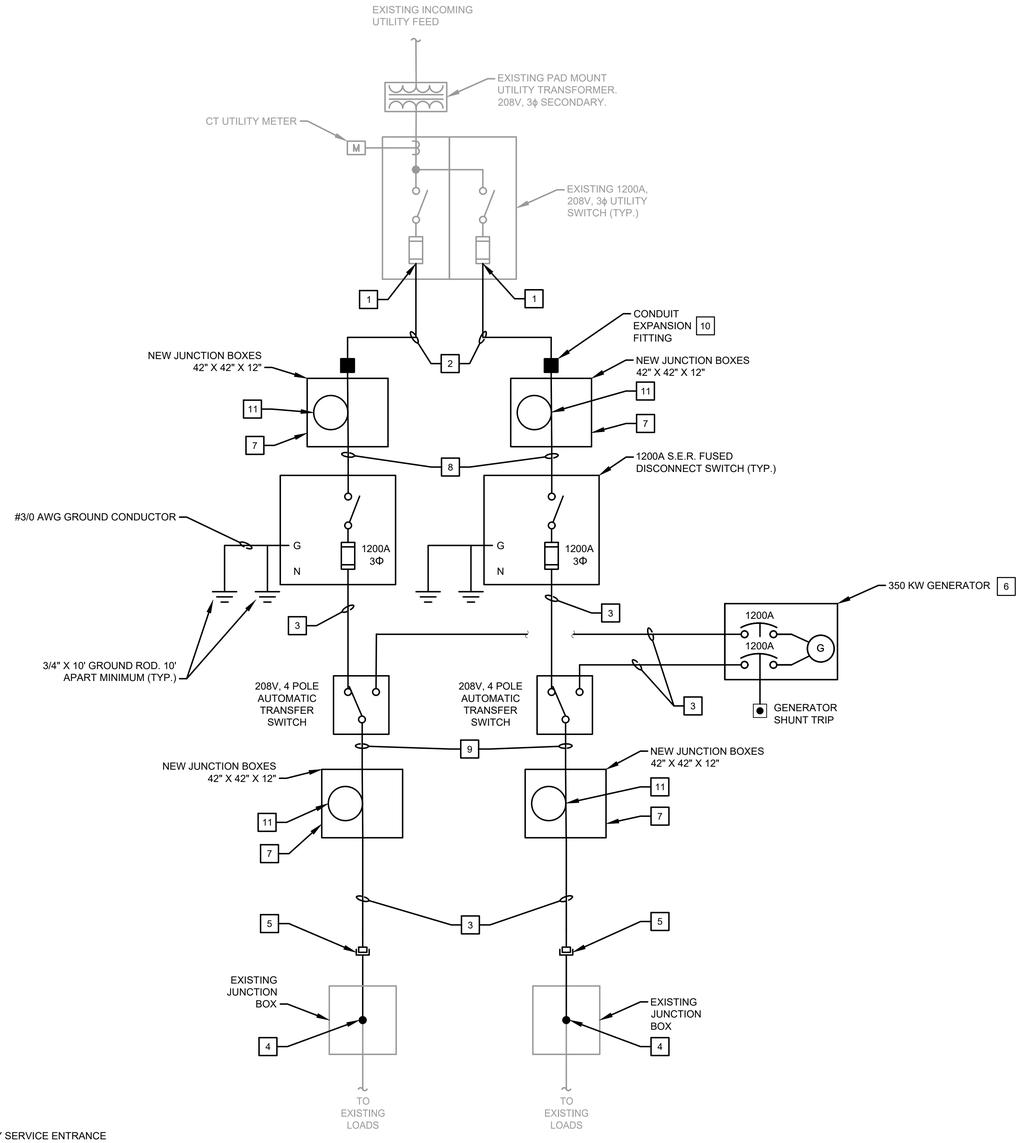


PARTIAL SINGLE LINE DIAGRAM - DEMOLITION

NO SCALE

DEMOLITION KEY NOTES

1: INTERCEPT EXISTING SERVICE ENTRANCE CONDUITS (4-4" CONDUITS). CONTRACTOR SHALL.
2: CUT AND LABEL EXISTING CONDUCTORS IN EXISTING JUNCTION BOX. LEAVE 5' OF CONDUCTOR FOR SPLICING NEW CONDUCTORS DURING INSTALLATION.
3: DISCONNECT AND REMOVE CONDUCTORS AND CONDUITS (4-4" CONDUITS).
4: EXISTING UTILITY SERVICE ENTRANCE SWITCH. DISCONNECT AND REMOVE EXISTING LOAD SIDE CONDUCTORS.



PARTIAL SINGLE LINE DIAGRAM - INSTALLATION

NO SCALE

INSTALLATION KEY NOTES

1: INTERCEPT EXISTING CONDUITS INTO UTILITY SERVICE ENTRANCE SWITCH.
2: 4-4"C(4#350 KCMIL)
3: 4-4"C(4#350 KCMIL, 1#3/0)
4: PROVIDE MECHANICAL COMPRESSION LUGS TO SPLICE EXISTING CONDUCTORS TO EXISTING LOADS.
5: FIELD LOCATE AND INTERCEPT EXISTING CONDUITS. CUT AND PULL EXCESS EXISTING CONDUCTORS TO EXISTING JUNCTION BOXES.
6: 350 KW GENERATOR IN WEATHER PROOF ENCLOSURE WITH SUB-BASED FUEL TANK. PROVIDE WITH DUAL OUTPUT CIRCUIT BREAKERS.
7: 42"x42"x12" 304SS WITH PAD LOCKABLE HINGED COVER JUNCTION BOXES, UNISTRUT MOUNTED WITH 304SS HARDWARE. TYPICAL OF FOUR.
8: 4-4"C(4#350 DLO CABLE KCMIL)
9: 4-4"C(4#350 DLO CABLE, 1#3/0 DLO CABLE)
10: PROVIDE 4" ALUMINUM EXPANSION COUPLINGS CROUSE-HINDS XJG108 SA OR EQUAL. SET THE EXPANSION COUPLINGS TO ALLOW FOR THE CONDUIT TO COMPRESS DUE TO THE WEIGHT OF THE GENERATOR ENCLOSURE AND PLATFORM SETTLEMENT.
11: PROVIDE 36" CABLE LOOP INSIDE JUNCTION BOXES TO ALLOW VERTICAL SETTLING OF PLATFORM.

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 502
NEW YORK, NEW YORK 10004
TEL: (646) 576-4024

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

LISTER PARK
ELEVATED GENERATOR PLATFORM

ELECTRICAL
SINGLE LINE DIAGRAMS

Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

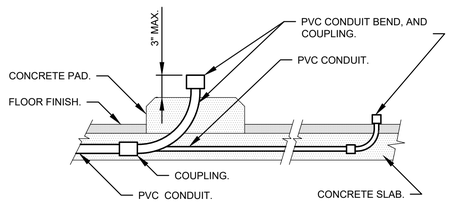
E-301

Copyright: Tetra Tech

Bar Measures 1 inch

6/5/2020 5:07:49 PM - \\TTS630FS2.TT.LOCAL\PROJECTS\89763\200-89763-18003\CAD\SHEETFILES\ERSD PACKAGE\E-301.DWG - SEIGNORET, JASON

CONDUIT STUB-UP



1 / E-501 DETAIL
SCALE: NTS

NOT USED

2 / E-501 DETAIL
SCALE: NTS

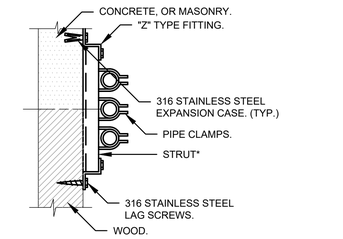
NOT USED

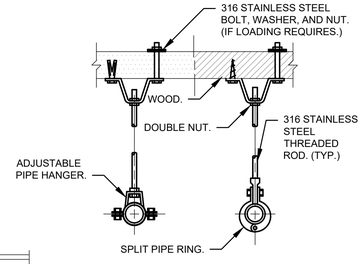
3 / E-501 DETAIL
SCALE: NTS

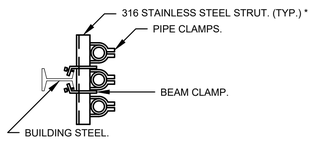
NOT USED

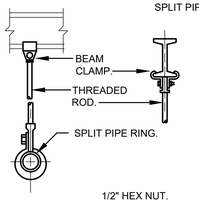
4 / E-501 DETAIL
SCALE: NTS

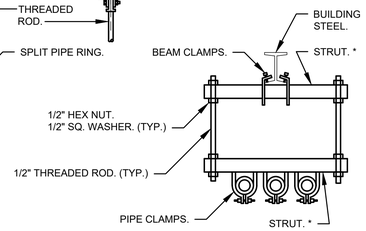
VERTICAL AND HORIZONTAL CONDUIT RACKS AND HANGERS

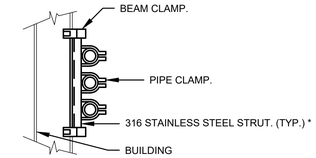


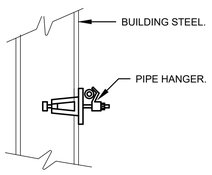


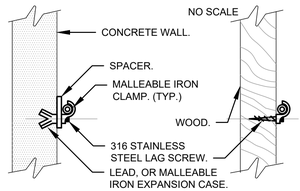












5 / E-501 DETAIL
SCALE: NTS

NOT USED

6 / E-501 DETAIL
SCALE: NTS

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 502
NEW YORK, NEW YORK 10004
TEL: (646) 576-4024

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

LISTER PARK
ELEVATED GENERATOR PLATFORM

ELECTRICAL DETAILS

Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

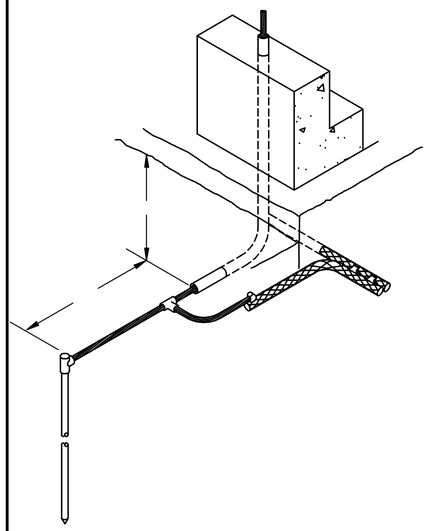
E-501

Copyright: Tetra Tech

Bar Measures 1 inch

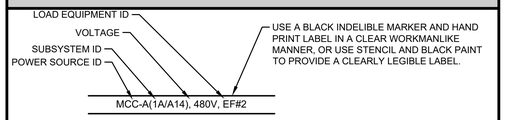
6/5/2020 5:08:53 PM - \\TTS630FS2.TT.LOCAL\PROJECTS\89763\200-89763-18003\CAD\SHEETFILES\ERSD PACKAGE\E-501 ELECTRICAL DETAILS.DWG - SEIGNORET, JASON

DOWNLEAD, REBAR BOND, & GROUND DETAIL



1 E-502 DETAIL
SCALE: NTS

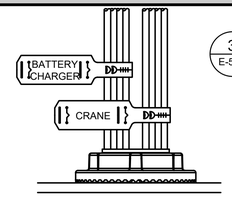
FEEDER BRANCH CIRCUIT RACEWAY LABELS



NOTE:
1. NO LABELING REQUIRED FOR RACEWAYS WITH READILY IDENTIFIABLE TERMINATIONS WITHIN THE SAME ROOM
2. IN ACCESSIBLE CEILING SPACES AND EXPOSED IN UNFINISHED AREAS, LABEL CONDUIT WITH PANEL AND CIRCUIT NUMBERS OF CONDUCTORS ROUTED THROUGH THE CONDUIT. LABEL CONDUIT AT WALL PENETRATIONS AND CONNECTIONS TO ALL PANELS, JUNCTION BOXES, AND EQUIPMENT SERVED.

2 E-502 DETAIL
SCALE: NTS

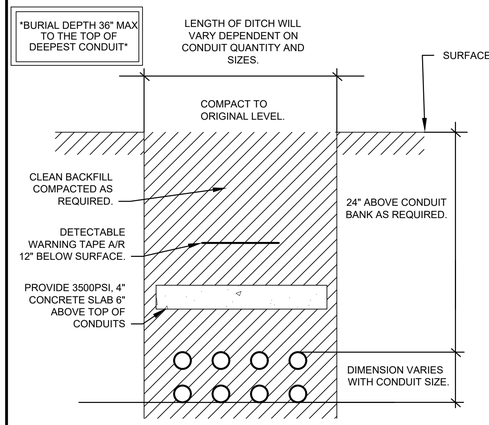
WIRE/CABLE BUNDLE TAG



3 E-502 DETAIL
SCALE: NTS

NOTE:
1. BLACK LETTERING ON WHITE BACKGROUND (POWER)
2. BLACK LETTERING ON YELLOW BACKGROUND (SIGNAL)
3. BUNDLE AND LABEL WIRES/CABLES GOING TO A COMMON PANEL/EQUIPMENT/DEVICE
4. LABEL IN PANELS, MCC, MANHOLES, HAND HOLES, AND BOXES OVER 0.227 CUBIC METERS (8 CUBIC FEET).

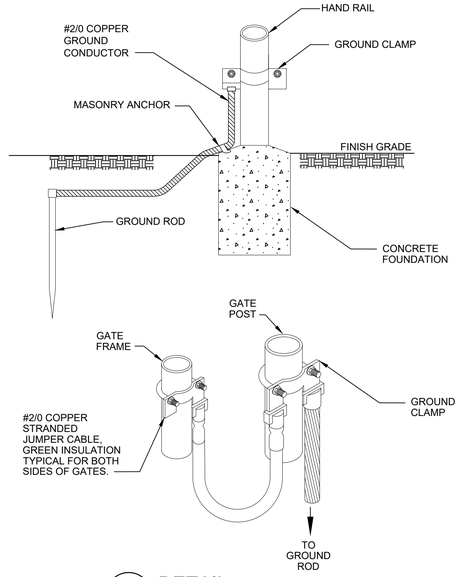
TRENCHING DETAIL



NOTE:
REFERENCE SHEETS E-1106 AND E-1107 FOR ADDITIONAL DETAILS OF INDIVIDUAL DUCT BANK RUNS.

4 E-502 DETAIL
SCALE: NTS

HAND RAIL BONDING DETAIL



5 E-502 DETAIL
SCALE: NTS

NOT USED

6 E-502 DETAIL
SCALE: NTS

NOT USED

7 E-502 DETAIL
SCALE: NTS

NOT USED

8 E-502 DETAIL
SCALE: NTS

NOT USED

9 E-502 DETAIL
SCALE: NTS

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 502
NEW YORK, NEW YORK 10004
TEL: (646) 576-4024

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

LISTER PARK
ELEVATED GENERATOR PLATFORM

ELECTRICAL DETAILS

Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

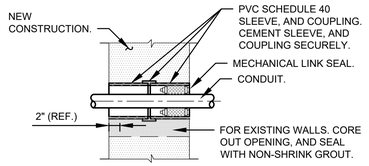
E-502

Copyright Tetra Tech

Bar Measures 1 inch

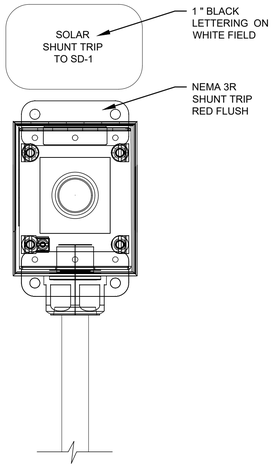
6/5/2020 5:09:20 PM - \\TTS630FS2.TT.LOCAL\PROJECTS\89763\200-89763-18003\CAD\SHEETFILES\ERSD PACKAGE\E-502 ELECTRICAL DETAILS.DWG - SEIGNORET, JASON

EXTERIOR WALL CONDUIT OPENING



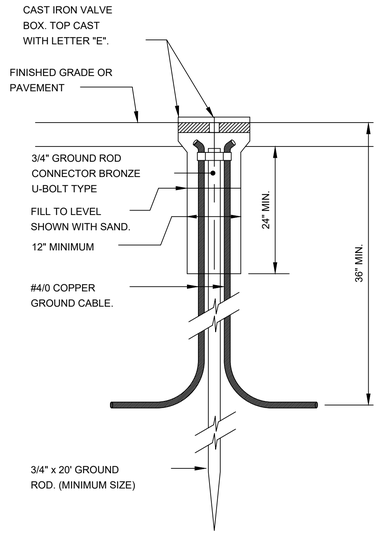
1 E-503 DETAIL
SCALE: NTS

SHUNT TRIP



2 E-503 DETAIL
SCALE: NTS

GROUND WELL DETAIL



3 E-503 DETAIL
SCALE: NTS

NOT USED

4 E-503 DETAIL
SCALE: NTS

NOT USED

5 E-503 DETAIL
SCALE: NTS

NOT USED

6 E-503 DETAIL
SCALE: NTS

NOT USED

7 E-503 DETAIL
SCALE: NTS

NOT USED

8 E-503 DETAIL
SCALE: NTS

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 502
NEW YORK, NEW YORK 10004
TEL: (646) 576-4024

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

LISTER PARK
ELEVATED GENERATOR PLATFORM

ELECTRICAL DETAILS

Project No.:	200-89763-18003
Designed By:	ES
Drawn By:	AB
Checked By:	JO

E-503

Copyright Tetra Tech

Bar Measures 1 inch

6/5/2020 5:09:51 PM - \\TTS630FS2.TT_LOCAL\PROJECTS\89763\200-89763-18003\CAD\SHEETFILES\ERSD PACKAGE\E-503 ELECTRICAL DETAILS.DWG - SEIGNORET, JASON

STRUCTURAL GENERAL NOTES

A. THESE GENERAL NOTES PRESENT AND/OR SUMMARIZE KEY PROJECT INFORMATION FOR THE DRAWING READER'S CONVENIENCE. SEE ALSO INDIVIDUAL DRAWING NOTES AND PROJECT SPECIFICATIONS FOR FURTHER DETAILS AND REQUIREMENTS.

B. ALL REFERENCES TO REFERENCE STANDARDS HEREIN ARE TO MOST RECENT ISSUE IN EFFECT AS OF THE DATE OF THESE DOCUMENTS, UNLESS NOTED OTHERWISE IN PROJECT SPECIFICATIONS OR IN THE DRAWING

C. ALL ELEVATIONS ARE REFERENCED TO CIVIL SITE ELEVATIONS. DATUM ELEV 8.4' = 0'-0". ELEVATIONS SHOWN ON DRAWINGS ARE REFERENCED TO THIS DATUM UNLESS NOTED.

D. DIMENSIONS MARKED WITH A "X" SHALL BE DETERMINED BY EQUIPMENT MANUFACTURER AND COORDINATED BY CONTRACTOR

E. SUBMIT SHOP DRAWINGS, PROJECT DATA AND SAMPLES AS SPECIFIED IN PROJECT SPECIFICATIONS.

F. ABBREVIATIONS

A.B.	ANCHOR BOLT	FLR	FLOOR	PLF	POUNDS PER LINEAR FOOT
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	FND.	FOUNDATION	PSF	POUNDS PER SQUARE FOOT
		FRMG	FRAMING	PSI	POUNDS PER SQUARE INCH
ARCH.	ARCHITECT(URAL)	FT	FOOT	QTY	QUANTITY
B.M.	BEAM	FTG	FOOTING	R	RISER
B.O.	BOTTOM OF	GA	GAGE, GAUGE	RAD.	RADIUS
B.O.F	BOTTOM OF FOOTING	GALV	GALVANIZED	REF	REFERENCE
B.O.S.	BOTTOM OF STEEL	GR.	GRADE	REINF.	REINFORCEMENT
BOT.	BOTTOM	GRTG	GRATING	REQ'D	REQUIRED
C/C	CENTER TO CENTER	H.R.	HAND RAIL	REV	REVISION
CL	CENTER LINE	HORIZ	HORIZONTAL	SCHED	SCHEDULE
CLR	CLEAR	HT	HEIGHT	SF	SQUARE FOOT
COL	COLUMN	I.D.	INSIDE DIAMETER	SHT.	SHEET
CONC	CONCRETE	I.F.	INSIDE FACE	SIM.	SIMILAR
CONST	CONSTRUCTION	I.J.	ISOLATION JOINT	SPEC	SPECIFICATIONS
CONT	CONTINUOUS	IN.	INCH	SQ	SQUARE
COORD	COORDINATE	L	ANGLE	STD	STANDARD
CTR	CENTER	LBS	POUNDS	STL	STEEL
DIA	DIAMETER	LF	LINEAR FOOT (FEET)	STRUCT	STRUCTURE(AL)
DIM	DIMENSION	LLH	LONG LEG HORIZONTAL	SYM	SYMMETRICAL
DN	DOWN	LLV	LONG LEG VERTICAL	T	TREAD
DTL.	DETAIL	LOC	LOCATION	T.O.C.	TOP OF CONCRETE
DWG(S)	DRAWING(S)	MATL	MATERIAL	T/	TOP OF
EA	EACH	MAX	MAXIMUM	THK	THCKNESS
EF	EACH FACE	MECH	MECHANICAL	TOF	TOP OF FOOTING
EL / ELEV.	ELEVATION	MFR	MANUFACTURER	TOS	TOP OF SLAB
ELEC	ELECTRIC(AL)	MID	MIDDLE / MIDPOINT	TRANSV.	TRANSVERE
ENGR	ENGINEER	MIN	MINIMUM, MINUTE	TYP	TYPICAL
EQ	EQUAL	MISC.	MISCELLANEOUS	UNO	UNLESS NOTED OTHERWISE
EQUIP	EQUIPMENT	MTL	METAL	V.I.F.	VERIFY IN FIELD
EW	EACH WAY	N.T.S.	NOT TO SCALE	VERT	VERTICAL
EXIST	EXISTING	O.C.	ON CENTER	W.P.	WORK POINT
FFE	FINISH FLOOR ELEVATION	OPNG	OPENING	W/	WITH
FIN	FINISH (ED)	PL	PLATE	WWF	WELDED WIRE FABRIC
FLG.	FLANGE				

DESIGN CRITERIA

A. REFERENCES:

1. ICC INTERNATIONAL BUILDING CODE, 2018 EDITION
   RISK CATEGORY IV IN ACCORDANCE WITH TABLE 1604.5
2. CODE OF ORDINANCES OF THE CITY OF LONG BEACH, NEW YORK
3. ASCE/SEI 7-16 - MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES

B. DEAD LOADS:

AVAILABLE TO RESIST UPLIFT	= SELF WEIGHT OF STRUCTURAL FRAMING ONLY
FLOOR DEAD LOAD	= SELF WEIGHT
FLOOR COLLATERAL* LOAD	= 5 PSF
GENERATOR DEAD LOAD	= 24,600 LBS MAX

* COLLATERAL LOAD INCLUDES PROVISION FOR HANGING LOADS INCLUDING CONDUITS, PIPING AND OTHER COMPONENTS. REFER TO DRAWINGS FOR CONCENTRATED LOADING.

C. LIVE LOADS (U.N.O.):

WALKWAYS AND ELEVATED PLATFORMS	= 60 PSF

D. FROST DEPTH = 4'-0"

E. ROOF SNOW LOAD:

GROUND SNOW LOAD, Pg	= 25 PSF
FLAT ROOF SNOW LOAD, Pf	= 25.2 PSF
SNOW EXPOSURE FACTOR, Ce	= 1.0
SNOW LOAD IMPORTANCE FACTOR, I	= 1.2
THERMAL FACTOR, Ct	= 1.2

F. WIND LOAD:

ULTIMATE DESIGN WIND SPEED, Vult	= 135 MPH
NOMINAL DESIGN WIND SPEED, Vasd	= 104.6 (Vult*√0.6) MPH
RISK CATEGORY	= IV
WIND EXPOSURE CATEGORY	= C
DIRECTIONALITY FACTOR, Kd	= 0.85
TOPOGRAPHY	= 1.0
BUILDING ENCLOSURE CLASSIFICATION	= OPEN
FOR COMPONENTS & CLADDING PRESSURES,	REFER TO CHART ON S-001

G. SEISMIC DESIGN DATA:

RISK CATEGORY	= IV
SEISMIC IMPORTANCE FACTOR, Ie	= 1.50
SDS	= 0.273
SD1	= 0.090
SS	= 0.257
S1	= 0.056
SITE CLASS	= 'D'
SEISMIC DESIGN CATEGORY	= 'C'
RESPONSE MODIFICATION FACTOR, R	= 3
BASIC SEISMIC FORCE RESISTING SYSTEM	= (STRUCTURAL STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE)
SEISMIC RESPONSE COEFFICIENT, Cs	= 0.137
DESIGN BASE SHEAR:	= 5.81 KIPS (V= 0.137W)
ANALYSIS PROCEDURE:	= EQUIVALENT LATERAL FORCE

FOUNDATIONS

A. SEE GEOTECHNICAL/SUBSURFACE INVESTIGATION REPORT BY YU & ASSOCIATES, DATED JANUARY 15, 2020 :
IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE WHETHER OR NOT ADDITIONAL GEOTECHNICAL INFORMATION IS REQUIRED AND TO PROVIDE SUCH INFORMATION AS THE CONTRACTOR DEEMS NECESSARY.

B. ALLOWABLE SOIL BEARING PRESSURES AS FOLLOWS:

ISOLATED COLUMN FOUNDATIONS = 1500 PSF
SUBGRADE MODULUS = 125 PCI

C. GEOTECHNICAL ENGINEER SHALL BE RETAINED BY OWNER TO PROVIDE OBSERVATION AND TESTING SERVICES DURING THE GRADING AND FOUNDATION PHASE OF CONSTRUCTION. INSPECTION AND TESTING REPORTS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER.

D. PRIOR TO PLACING ENGINEERED FILL, THE SITE SHALL BE STRIPPED AND PROOF ROLLED. ANY SOFT SPOTS ENCOUNTERED SHALL BE REMOVED AND REPLACED WITH ENGINEERED FILL. REFER TO EARTHWORK SPECIFICATION FOR ADDITIONAL INFORMATION.

STRUCTURAL CONCRETE

A. REFERENCES:

1. ACI 318-14 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
2. ACI SP-66 ACI DETAILING MANUAL
3. ACI 301-16 SPECIFICATION FOR STRUCTURAL CONCRETE
4. ACI 117-10 SPECIFICATION FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS
5. CRSI MSP-2-01 MANUAL OF STANDARD PRACTICE
6. CRSI REINFORCING BAR DETAILING
7. CRSI PLACING REINFORCING BARS

B. MATERIALS

1. STRUCTURAL CONCRETE
   a) MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS (f'c).....5000 PSI
   b) ALL CONCRETE EXPOSED TO THE ELEMENTS SHALL BE AIR-ENTRAINED IN ACCORDANCE WITH ASTM C260. SEE SPECIFICATIONS.
   c) ALL CONCRETE AGGREGATE SHALL COMPLY WITH ASTM C33 (NORMAL WEIGHT).
   d) UNLESS NOTED OTHERWISE ON THE PLANS, ALL CONCRETE TO HAVE THE FOLLOWING EXPOSURE CLASSIFICATION AS DEFINED IN ACI 318-14, CHAPTER 19: F3, S0, W1, C2

2. REINFORCEMENT
   a) REINFORCING BARS: ASTM A615, GRADE 60

3. ANCHOR RODS
   a) SHALL BE GALVANIZED, FURNISHED WITH CHAMFERED ENDS, AND SHALL MEET STRENGTH AND DUCTILITY REQUIREMENTS EQUIVALENT ASTM F1554, GR 55 WELDABLE MATERIAL.

4. MECHANICAL (TORQUE-CONTROLLED) ANCHORS
   a) APPROVED SYSTEMS INCLUDE HILTI KWIK BOLT TZ (ICC ESR 1917) OR HILTI KWIK HUS-EZ (ICC ESR 3027) OR EQUAL CONSIDERING LOAD RESISTANCE. MECHANICAL ANCHORS SHALL BE APPROVED FOR USE WITH CRACKED CONCRETE PER AC 193. CURRENT ICC-ESR SHALL BE SUBMITTED. ALL PERSONNEL INSTALLING ANCHORS SHALL BE TRAINED BY THE MANUFACTURER ON PROPER INSTALLATION TECHNIQUE. TRAINING DOCUMENTATION FROM THE MANUFACTURER SHALL BE AVAILABLE ON REQUEST

5. ADHESIVE ANCHORS
   a) APPROVED SYSTEMS INCLUDE HILTI HIT-RE 500 V3 (ICC ESR 3814) OR HILTI HIT-HY 200 ADHESIVE WITH HILTI HAS/HIT-V THREADED ROD WITH SAFESET TECHNOLOGY (ICC ESR 3197) OR EQUAL CONSIDERING LOAD RESISTANCE, IN-SERVICE AND INSTALLATION TEMPERATURE, AVAILABILITY OR COMPREHENSIVE INSTALLATION INSTRUCTIONS, AND CREEP. ADHESIVE ANCHORS SHALL BE APPROVED FOR USE WITH CRACKED CONCRETE PER AC 308. CURRENT ICC-ESR SHALL BE SUBMITTED.
   b) ALL PERSONNEL INSTALLING ANCHORS SHALL BE TRAINED BY THE MANUFACTURER ON PROPER INSTALLATION TECHNIQUE. TRAINING DOCUMENTATION FROM THE MANUFACTURER SHALL BE AVAILABLE ON REQUEST.
   c) HOLE SIZES AND INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII)
   d) ADHESIVE FOR REBAR AND ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS. DESIGN ADHESIVE BOND STRENGTH HAS BEEN BASED ON ACI 355.4 TEMPERATURE CATEGORY A WITH INSTALLATIONS INTO DRY OR WATER SATURATED HOLES DRILLED USING A CARBIDE DRILL BIT INTO CONCRETE THAT HAS BEEN CURED FOR AT LEAST 21 DAYS.
   e) FILL IN ALL ABANDONED HOLES WITHIN 2" OF NEW ANCHOR LOCATIONS.

6. GROUT: HIGH STRENGTH, NON-SHRINK STRUCTURAL GROUT. SEE SPECIFICATIONS.

C. REINFORCEMENT DETAILING

1. ALL REINFORCING STEEL DETAILS SHALL BE IN ACCORDANCE WITH THE ACI CODE REQUIREMENTS (ACI 318 - CURRENT EDITION).
2. REINFORCING STEEL PLACING DRAWINGS AND BAR LISTS SHALL CONFORM TO THE ACI OR CRSI DETAILING MANUALS. ALL BAR SUPPORTS MUST BE CLEARLY DETAILED
3. CONCRETE COVER FOR REINFORCING SHALL BE INDICATED ON THE APPLICABLE REINFORCING STEEL SHOP DRAWINGS. HOWEVER, NO REINFORCING IN AREAS EXPOSED TO EARTH, WEATHER OR WATER SHALL HAVE COVER LESS THAN TWO INCHES.
4. SPECIFIED COVER FOR REINFORCING PER ACI 318 (BUILDING STRUCTURES):
   FOOTINGS (BOTTOM).....3.0" (CAST AGAINST EARTH)
   FOOTINGS.....2.0" (FORMED)
   PIERS/COLUMNS (TIES).....1.5"
   SLAB ON GRADE(REBAR).....2.0" FROM TOP
5. HOOKS AND BENDS SHALL MEET ACI STANDARD UNLESS OTHERWISE INDICATED.
6. SPLICES: CONTINUOUS REINFORCING BARS SHALL BE FURNISHED WITH CLASS 'B' TENSION LAPS SPLICES INCLUDING CORNER BARS, UNLESS NOTED OTHERWISE.
7. MECHANICAL SPLICES SHALL NOT BE PERMITTED UNLESS SHOWN ON THE DRAWINGS OR APPROVED BY THE ENGINEER
8. REINFORCING STEEL FABRICATION AND PLACEMENT SHALL BE IN ACCORDANCE WITH CRSI MANUAL OF STANDARD PRACTICE AND CRSI PLACING REINFORCING BARS (LATEST EDITIONS).
9. REINFORCING STEEL IN FOOTINGS SHALL BE ASSEMBLED IN MAT GRILLES EQUALLY SPACED AND SECURELY WIRED TOGETHER BEFORE THE CONCRETE IS POURED.

STRUCTURAL CONCRETE (CONTINUED)

10. PIER REINFORCEMENT SHALL BE DOWELED TO THE FOOTING. PROVIDE DOWELS EQUAL IN SIZE, NUMBER AND GRADE TO THE PIER REINFORCEMENT UNLESS OTHERWISE INDICATED. DOWELS SHALL BE HOOKED 90 DEGREES AT THE BOTTOM LEVEL OF FOOTING REINFORCEMENT. DOWELS SHALL BE LAPPED WITH THE PIER REINFORCEMENT
11. ALL REINFORCING SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES IN CONCRETE
12. NO REINFORCING STEEL SHALL BE FIELD BENT WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER. FIELD BENDING OF PLAIN REINFORCEMENT, IF PERMITTED, SHALL BE PERFORMED USING AN APPROVED AND APPROPRIATE SIZED PORTABLE HYDRAULIC DEVICE THAT MAKES ACI STANDARD RADIUS BENDS. NO OTHER FIELD BENDING METHOD SHALL BE PERMITTED.
13. WELDING, INCLUDING TACK WELDING, FOR REINFORCING STEEL IS PROHIBITED. WELDING OF REINFORCING STEEL AND HIGH STRENGTH BOLTS, IE. A36, F1554, WILL BE PERMITTED ONLY BY WRITTEN APPROVAL OF THE ENGINEER.

D. FOOTINGS

1. CENTER ALL FOOTINGS ON PIER OR COLUMN ABOVE UNLESS OTHERWISE INDICATED.

E. FORMWORK

1. SEE SPECIFICATIONS
2. RUSTICATION STRIPS, CHAMFERS, DRIPS, MISC. EMBEDS, ETC. SEE DRAWINGS AND/OR ARCHITECTURAL DRAWINGS.
3. PROVIDE 3/4" CHAMFER AT ALL EXPOSED CORNERS.

F. CONCRETE FINISHES: SEE SPECIFICATIONS

1. FORMED SURFACES:
   a) EXPOSED TO VIEW: SMOOTH
   b) COVERED OR AS NOTED ON PLANS: AS-CAST

2. FLATWORK:
   a) EXPOSED TO VIEW: SMOOTH FINISH

G. CURING AND PROTECTION: SEE SPECIFICATIONS.

H. SEE THE MECHANICAL, ELECTRICAL AND SUPPLIERS DRAWINGS AND THE SPECIFICATIONS FOR THE LOCATIONS OF SPECIAL ANCHORS, CHAMFERS, SLEEVES, PIPES, CONDUITS AND OTHER DETAILS NOT SHOWN ON THE STRUCTURAL DRAWINGS.

J. SIZE AND LOCATION OF EQUIPMENT PADS AND ANCHOR BOLTS SHALL BE AS REQUIRED BY THE EQUIPMENT MANUFACTURER. ALL CONDUIT PLACED IN SLAB SHALL BE APPROVED BY STRUCTURAL ENGINEER OF RECORD PRIOR TO INSTALLING CONDUIT AND POURING SLAB.

K. CONTRACTOR SHALL DESIGN, FURNISH, INSTALL, TEST, OPERATE, MONITOR, AND MAINTAIN A DEWATERING SYSTEM TO CONTROL HYDROSTATIC PRESSURE AND GROUND WATER ENTERING THE EXCAVATION.

L. SUBMITTALS

1. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING THE FOLLOWING DOCUMENTS TO THE ENGINEER OF RECORD:
   a) CONCRETE MIX DESIGN
   b) CONCRETE REINFORCING DRAWINGS
   c) MISCELLANEOUS METAL (CONCRETE INSERTS AND POST-INSTALLED ANCHORS)
   d) CONCRETE PLACEMENT PLAN FOR THE SLABS AND FOUNDATIONS

STRUCTURAL STEEL

A. REFERENCES:
1. AISC STEEL CONSTRUCTION MANUAL, 15TH EDITION
2. AWS D1.1 STRUCTURAL WELDING CODE - STEEL

B. MATERIALS:

1. GRADE STEEL
   WIDE FLANGES.....ASTM A992, GRADE 50
   CHANNELS, ANGLES, AND PLATES.....ASTM A36
   SHEAR CONNECTOR PLATES.....ASTM A572, GRADE 50
   SQUARE OR RECTANGLE HSS.....ASTM A500, GRADE C, Fy=46 KSI

2. ANCHOR BOLTS: ASTM F1554, GRADE 55, WELDABLE.
3. STRUCTURAL BOLTS: ASTM A325-N
4. WELDS: E70XX ELECTRODES

C. CONNECTIONS
1. AISC MANUAL STANDARD CONNECTIONS UNLESS NOTED. HIGH-STRENGTH BOLTS: ASTM A325-N, 3/4" UNLESS NOTED OTHERWISE. BEARING TYPE INSTALLED IN CONFORMANCE WITH "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS", RESEARCH COUNCIL ON RIVETED AND BOLTED STRUCTURAL JOINTS. UNLESS NOTED OTHERWISE, STANDARD AISC "USUAL GAGE" DIMENSIONS SHALL BE USED FOR LOCATING HOLES FOR BOLTS, EXPANSION ANCHORS, ETC. IN ALL ANGLES, BEAM FLANGES, ETC.
2. THE ASSEMBLY SURFACE, INCLUDING THOSE ADJACENT TO THE WASHER, SHALL BE FREE OF MILL SCALE, OIL, PAINT OR OTHER COATINGS.
3. ALL HIGH STRENGTH BOLTS SHALL BE TIGHTENED TO A BOLT TENSION NOT LESS THAN THAT SPECIFICATION IN THE AISC MANUAL. FULL TENSIONING SHALL BE BY THE TURN OF NUT METHOD, BY A DIRECT TENSION INDICATOR, OR BY PROPERLY CALIBRATED WRENCHES. PROVIDE HARDENED WASHERS UNDER THE NUT OR BOLT HEAD, WHICHEVER IS THE ELEMENT TURNED IN TIGHTENING.
4. WELDING - PERFORM ALL WELDING IN ACCORDANCE WITH AWS D1.1 CODE, LATEST EDITION, WELDS SHALL BE MADE ONLY BY OPERATORS CERTIFIED BY AWS IN PERFORMING THE TYPE OF WORK INDICATED.

D. TOLERANCES: AISC CODE OF STANDARD PRACTICE (LATEST EDITION)

E. CAMBER: PROVIDE POSITIVE CAMBER AS NOTED ON DRAWINGS. WHERE NO CAMBER IS NOTED, RESIDUAL MILL CAMBER IS TO BE UPWARDS.

F. SHOP DRAWINGS
1. SUBMIT ERECTION AND FABRICATION SHOP DRAWINGS. SEE SPECS.
2. SUBMIT ERECTION PROCEDURES AND TEMPORARY BRACING PLAN FOR A/E REVIEW.
4. SHOP DRAWINGS MUST BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE STRUCTURAL STEEL WILL BE INSTALLED.

G. COATING: ALL STEEL HOT ROLLED MEMBERS SHALL BE HOT DIPPED GALVANIZED(G90)

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 502
NEW YORK, NEW YORK 10004
TEL: (646) 576-4024

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

LISTER PARK

ELEVATED GENERATOR PLATFORM

STRUCTURAL GENERAL NOTES-I

PROJ:	200-89763-18003
DESN:	SPS
DRWN:	BMB
CHKD:	ATC

S-001

Copyright: Tetra Tech

6/4/2020 9:33:07 AM C:\Users\sohan.shetty\Documents\IS-LISTER PARK ELEVATED GENERATOR PLATFORM v2019_Sohan.Shetty@tetratech.com.rvt

Bar measures 1 inch, otherwise drawing is not to scale

SPECIAL INSPECTION REQUIRED

SPECIAL INSPECTIONS REQUIRED FOR THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH NEW YORK BUILDING CODE CHAPTER 17. SPECIAL INSPECTIONS SHALL BE PERFORMED BY AN APPROVED INSPECTION AGENCY U.N.O, EMPLOYED BY THE OWNER.

THE SPECIAL INSPECTOR SHALL BE CERTIFIED BY THE INTERNATIONAL CODE COUNCIL (I.C.C.) TO PERFORM INSPECTION FOR THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK.

THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND THE ENGINEER OF RECORD. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE STRUCTURAL ENGINEER AND TO THE BUILDING OFFICIAL.

THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THIS CODE.

IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROVIDE AT LEAST 48 HOURS ADVANCE NOTICE TO THE OWNER/OWNER'S REPRESENTATIVE WHEN HIS WORK IS READY FOR ANY REQUIRED SPECIAL INSPECTIONS.

SHOP INSPECTION OF STEEL CONSTRUCTION IS NOT REQUIRED WHEN THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. APPROVAL SHALL BE BASED UPON REVIEW OF THE FABRICATOR'S WRITTEN PROCEDURAL AND QUALITY CONTROL MANUALS AND PERIODIC AUDITING OF FABRICATION PRACTICES BY AN APPROVED SPECIAL INSPECTION AGENCY. AT COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.

CONTRACTOR RESPONSIBILITY
EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN WIND- OR SEISMIC-FORCE-RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM OR A WIND- OR SEISMIC-RESISTING COMPONENT LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTION.

OWNER OR OWNER'S REPRESENTATIVE SHALL BE SYNONYMOUS WITH 'BUILDING OFFICIAL' IN THE FOREGOING IF THE PROJECT IS NOT UNDER THE JURISDICTION OF A BUILDING DEPARTMENT.

SPECIAL INSPECTION SHALL BE PROVIDED FOR THE FOLLOWING TYPES OF WORK PERFORMED IN THE FIELD, OR NOT PERFORMED IN AN APPROVED FABRICATION SHOP AS DEFINED ABOVE, UNLESS NOTED AS "N/A".

	SPECIAL INSPECTIONS REQUIRED ("X" = YES "-" = NO)		
	CONTINUOUS	PERIODIC	N/A
REQUIRED VERIFICATION AND INSPECTION OF SOILS (TO BE PERFORMED BY A LICENSED GEOTECHNICAL ENGINEER):			
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	-	X	-
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-	X	-
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	-	X	-
4. PERFORM CLASSIFICATION AND TESTING OF NATIVE SOILS TO VERIFY ANY SOIL PROPERTIES ASSUMED AS PART OF DESIGN FOR THIS PROJECT IN THE ABSENCE OF A SOILS REPORT (SEE SOIL PROPERTIES ON THIS DRAWING). THIS TESTING SHALL BE PERFORMED IN ADVANCE OF ANY CONSTRUCTION. THE STRUCTURAL ENGINEER SHALL BE NOTIFIED IF THE ASSUMED VALUES ARE NOT VALID.	-	-	X
5. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	-	-
6. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-	X	-
CONCRETE CONSTRUCTION:			
1. INSPECTION OF REINFORCING STEEL AND PLACEMENT.	-	X	-
2. INSPECTION OF ANCHORS CAST IN CONCRETE.	-	X	-
3. INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.			
A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATION TO RESIST SUSTAINED TENSION LOADS.	X	-	-
B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4. A.	-	X	-
4. VERIFYING USE OF REQUIRED DESIGN MIX.	-	X	-
5. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR. CONTENT TEST, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	-	-
6. INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	-	-
7. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	X	-
8. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	-	X	-
9. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF CONCRETE MEMBER BEING FORMED.	-	X	-

	SPECIAL INSPECTIONS REQUIRED ("X" = YES "-" = NO)		
	CONTINUOUS	RANDOM	N/A
STEEL CONSTRUCTION (STRUCTURAL STEEL):			
R - INSPECT THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS			
C - INSPECT THESE ITEMS ON A CONTINUOUS BASIS			
1. INSPECTION TASKS PRIOR TO WELDING:			
A. WELDING PROCEDURE SPECIFICATIONS (WPSs) AVAILABLE.	X	-	-
B. MANUFACTURERS CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE.	X	-	-
C. MATERIAL IDENTIFICATION (TYPE/GRADE).	-	X	-
D. WELDER IDENTIFICATION SYSTEM.	-	X	-
E. FIT-UP OF GROOVE WELDS (INCLUDING GEOMETRY). - JOINT PREPARATION. - DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL). - CLEANLINESS (CONDITION OF STEEL SURFACES). - TACKING (TACK WELD QUALITY AND LOCATION). - BACKING TYPE AND FIT (IF APPLICABLE).	-	X	-
F. CONFIGURATION AND FINISH OF ACCESS HOLES.	-	X	-
G. FIT-UP OF FILLET WELDS. - DIMENSIONS (ALIGNMENT, GAPS AT ROOT). - CLEANLINESS (CONDITION OF STEEL SURFACES). - TACKING (TACK WELD QUALITY AND LOCATION)	-	X	-
2. INSPECTION TASKS DURING WELDING			
A. USE OF QUALIFIED WELDERS	-	X	-
B. CONTROL AND HANDLING OF WELDING CONSUMABLES - PACKAGING - EXPOSURE CONTROL	-	X	-
C. NO WELDING OVER CRACKED TACK WELDS	-	X	-
D. ENVIRONMENTAL CONDITIONS - WIND SPEED WITHIN LIMITS - PRECIPITATION AND TEMPERATURE	-	X	-
E. WPS FOLLOWED - SETTINGS ON WELDING EQUIPMENT - TRAVEL SPEED - SELECTED WELDING MATERIALS - SHIELDING GAS TYPE/FLOW RATE - PREHEAT APPLIED - INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.) - PROPER POSITION (F, V, H, OH)	-	X	-
F. WELDING TECHNIQUES - INTERPASS AND FINAL CLEANING - EACH PASS WITHIN PROFILE LIMITATIONS - EACH PASS MEETS QUALITY REQUIREMENTS	-	X	-
3. INSPECTION TASKS AFTER WELDING			
A. WELDS CLEANED	-	X	-
B. SIZE, LENGTH AND LOCATION OF WELDS	X	-	-
C. WELDS MEET VISUAL ACCEPTANCE CRITERIA - CRACK PROHIBITION - WELD/BASE-METAL FUSION - CRATER CROSS SECTION - WELD PROFILES - WELD SIZE - UNDERCUT - POROSITY	X	-	-
D. ARC STRIKES	X	-	-
E. K-AREA - WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3 IN. (75 MM) OF THE WELD	X	-	-
F. BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	X	-	-
G. REPAIR ACTIVITIES	X	-	-
H. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	X	-	-
4. INSPECTION TASKS PRIOR TO BOLTING			
A. MANUFACTURER'S CERTIFICATION AVAILABLE FOR FASTENER MATERIAL.	X	-	-
B. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS.	-	X	-
C. PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FORM SHEAR PLANE).	-	X	-
D. PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL.	-	X	-
E. CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS.	-	X	-
F. PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED.	-	X	-
G. PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS.	-	X	-

	SPECIAL INSPECTIONS REQUIRED ("X" = YES "-" = NO)		
	CONTINUOUS	PERIODIC	N/A
STEEL CONSTRUCTION (STRUCTURAL STEEL CONT.):			
5. INSPECTION TASKS DURING BOLTING.			
A. FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED.	-	X	-
B. JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION.	-	X	-
C. FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FOR ROTATING.	-	X	-
D. FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES.	-	X	-
6. INSPECTION TASKS AFTER BOLTING.			
A. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS.	X	-	-

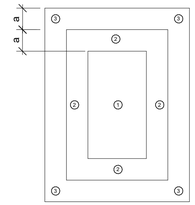
COMPONENTS & CLADDING WIND PRESSURES (GENERATOR PLATFORM)

FACTORED (ULTIMATE) COMPONENTS & CLADDING WIND PRESSURES (PSF)

ROOF			
ROOF ZONES	EFFECTIVE TRIBUTARY AREA*		
	< OR = 9 SF	> 9 < OR=36 SF	> 36 SF
ZONE 1	-32/35	-32/35	-32/35
ZONE 2	-49/52	-49/52	-32/35
ZONE 3	-95/69	-49/52	-32/35

NOTES:

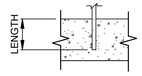
1. EDGE DISTANCE 'a' = 3' - 0"
2. * EFFECTIVE TRIBUTARY AREA: SPAN LENGTH MULTIPLIED BY AN EFFECTIVE WIDTH THAT NEED NOT BE LESS THAN 1/3 THE SPAN LENGTH
3. NEGATIVE VALUE DENOTES PRESSURE ACTING AWAY FROM THE SURFACE
4. UNFACTORED (NOMINAL) COMPONENTS AND CLADDING PRESSURES MAY BE OBTAINED BY MULTIPLYING THE VALUES IN THE TABLE BY 0.60



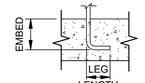
PLATFORM

TENSION DEVELOPMENT / LAP SPLICE SCHEDULE (UNCOATED BARS)

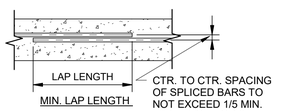
BAR SIZE	DEVELOPMENT / LAP SPLICE LENGTH IN CONCRETE (f'c = 5000 PSI)						
	DEVELOPMENT LENGTH (IN)		CLASS 'B' LAP SPLICE LENGTH (IN)		STD 90 DEG. HOOK (IN)		
	BAR TYPE 1	BAR TYPE 2	BAR TYPE 1	BAR TYPE 2	EMBED	LEG LENGTH	BEND DIA.
4	17	25	22	33	7	8	3
5	21	32	28	41	8	10	3 3/4
6	25	38	33	50	10	12	4 1/2



STRAIGHT BAR



STRAIGHT BAR



MIN. LAP LENGTH

CTR. TO CTR. SPACING OF SPLICED BARS TO NOT EXCEED 1/5 MIN. LAP LENGTH OR 6" WHICHEVER IS LESS

BAR TYPE 1 - CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN Db, CLEAR COVER NOT LESS THAN Db, AND STIRRUPS OR TIES THROUGHOUT Ld NOT LESS THAN CODE MINIMUM

OR

CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN 2"Db AND CLEAR COVER NOT LESS THAN Db.

BAR TYPE 2 - TOP BARS WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW **AND** OTHER CASES

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 502
NEW YORK, NEW YORK 10004
TEL: (646) 576-4024

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

LISTER PARK

ELEVATED GENERATOR PLATFORM

STRUCTURAL GENERAL NOTES-II

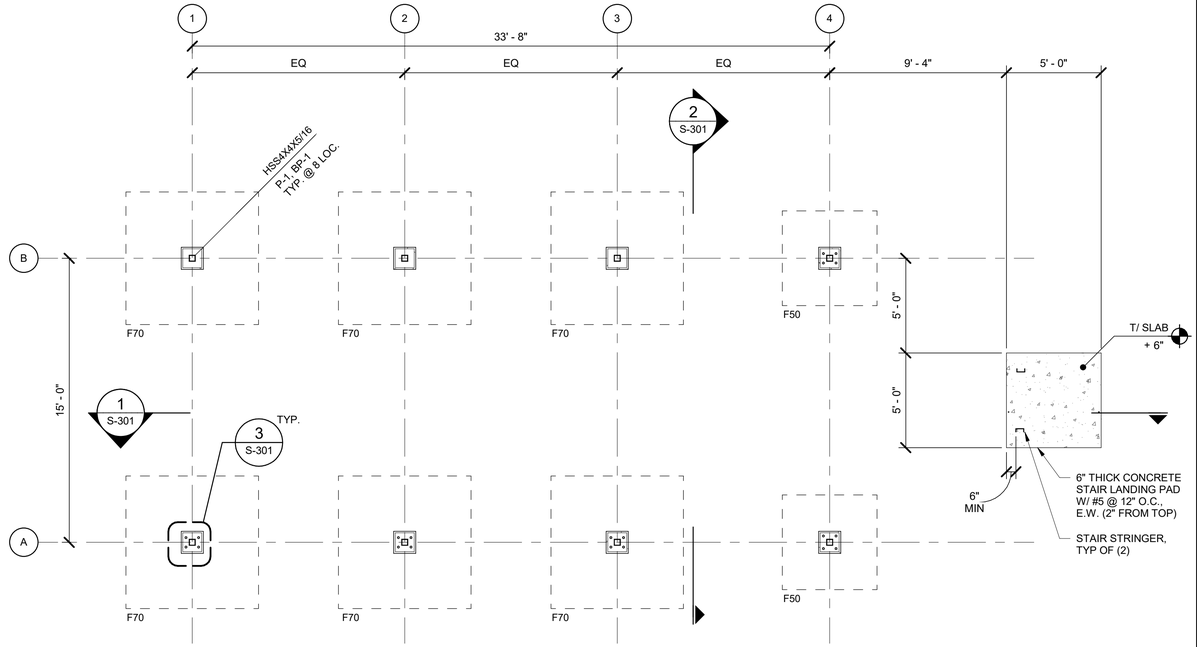
PROJ:	200-89763-18003
DESN:	SPS
DRWN:	BMB
CHKD:	ATC

S-002

Copyright: Tetra Tech

6/4/2020 9:33:07 AM C:\Users\sohan.shetty\Documents\IS-LISTER PARK ELEVATED GENERATOR PLATFORM v2019_Sohan.Shetty@tetratech.com.rvt

Bar measures 1 inch, otherwise drawing is not to scale



1 FOUNDATION PLAN
S-101 SCALE: 1/4" = 1'-0"

FOUNDATION PLAN NOTES:

1. REFER TO S-001 & S-002 FOR GENERAL NOTES AND DESIGN CRITERIA
2. REFER TO S-501 FOR TYPICAL DETAILS NOT CUT IN PLAN.
3. ALL TOP OF FOOTING TO BE ELEV= -3'-0"
4. ALL TOP OF PIER TO BE ELEV = + 0'-6"
5. REFER TO CIVIL DRAWINGS FOR LOCATION OF PLATFORM ON SITE PLAN
6. GENERATOR, ENCLOSURE AND FUEL TANK = 24,600LBS (MAX. WEIGHT). CONTRACTOR SHALL COORDINATE WEIGHT WITH EQUIPMENT MFR PRIOR TO CONCRETE PLACEMENT.

FOUNDATION PLAN LEGENDS:

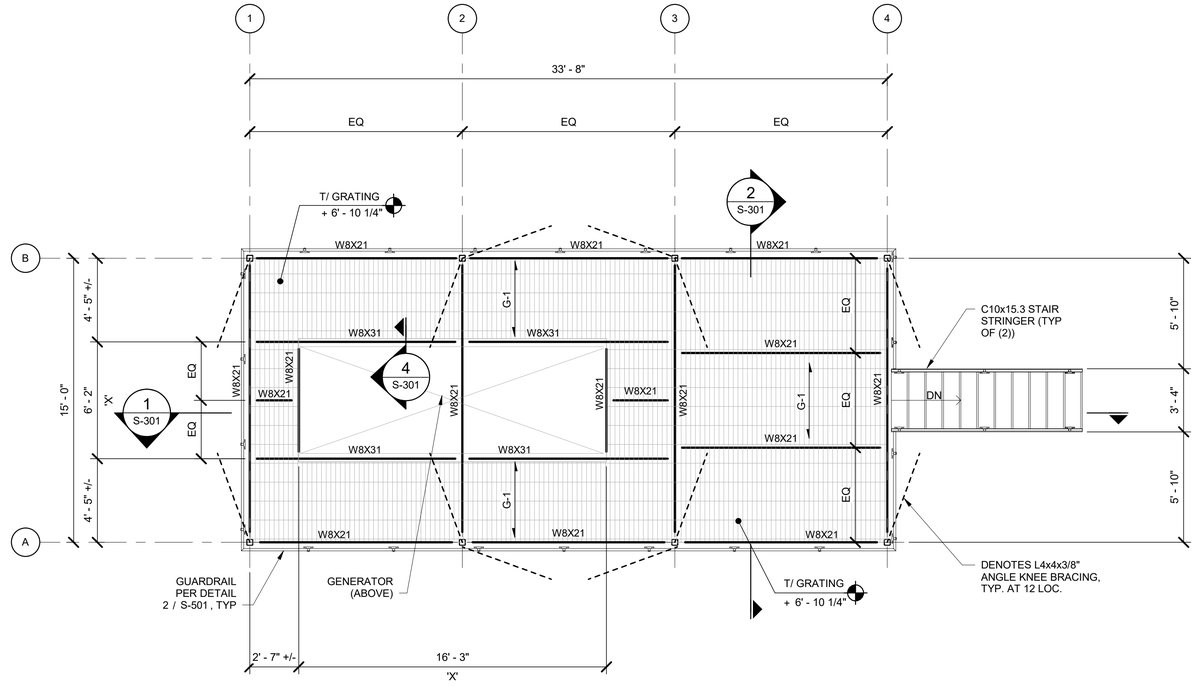
P-# DENOTES PIER DESIGNATION. ALL PIER TO BE 14"x14", SEE 3 / S-301 FOR DETAILS

BP-# DENOTES BASE PLATE DESIGNATION, SEE 1 / S-501 FOR DETAILS

F## DENOTES CONCRETE FOOTING. SEE SCHEDULE BELOW

FOUNDATION SCHEDULE

TYPE	LENGTH	WIDTH	THICKNESS	REINFORCEMENT
F50	5' - 0"	5' - 0"	1' - 3"	(6) #5 E.W. (TOP & BOT)
F70	7' - 0"	7' - 0"	1' - 9"	(9) #6 E.W. (TOP & BOT)



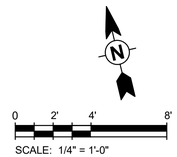
2 FRAMING PLAN
S-101 SCALE: 1/4" = 1'-0"

FRAMING PLAN NOTES:

1. REFER TO S-001 & S-002 FOR GENERAL NOTES AND DESIGN CRITERIA
2. REFER TO S-501 FOR TYPICAL DETAILS NOT CUT IN PLAN.
3. ALL TOP OF STEEL EL = +6' - 8 3/4"
4. ALL STEEL TO BE HOT DIPPED GALV (G90)
5. GRATING TO BE DESIGNED, THROUGH DELEGATED DESIGN PROCESS, FOR DESIGN LOADS MENTIONED ON S-001
6. DIMENSIONS MARKED WITH A "X" SHALL BE DETERMINED BY EQUIPMENT MANUFACTURER AND COORDINATED BY CONTRACTOR
7. GENERATOR, ENCLOSURE AND FUEL TANK = 24,600LBS (MAX. WEIGHT). CONTRACTOR SHALL COORDINATE WEIGHT WITH EQUIPMENT MFR PRIOR TO CONCRETE PLACEMENT.
8. COORDINATE BOLT HOLE LOCATION AND ANCHORAGE WITH EQUIPMENT MANUFACTURER

LEGEND:

G-# DENOTES SPAN OF 1 1/2" THICK STEEL BAR GRATING (GALVANIZED)



SCALE: 1/4" = 1'-0"

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 502
NEW YORK, NEW YORK 10004
TEL: (646) 576-4024

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

LISTER PARK

ELEVATED GENERATOR PLATFORM

STRUCTURAL FOUNDATION & FRAMING PLAN

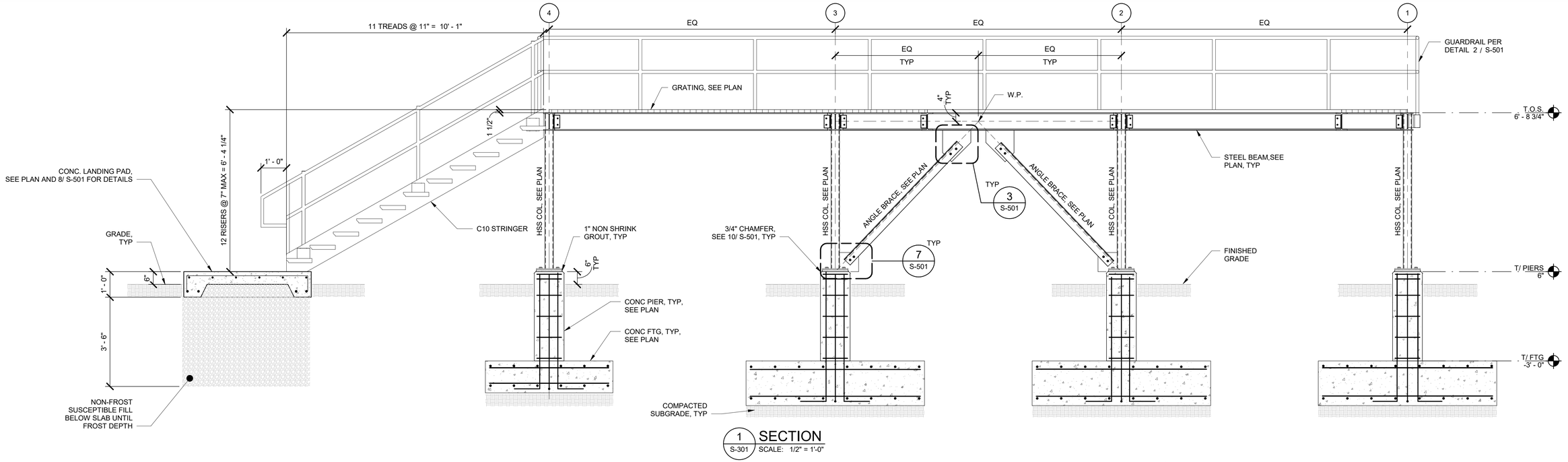
PROJ:	200-89763-18003
DESN:	SPS
DRWN:	BMB
CHKD:	ATC

S-101

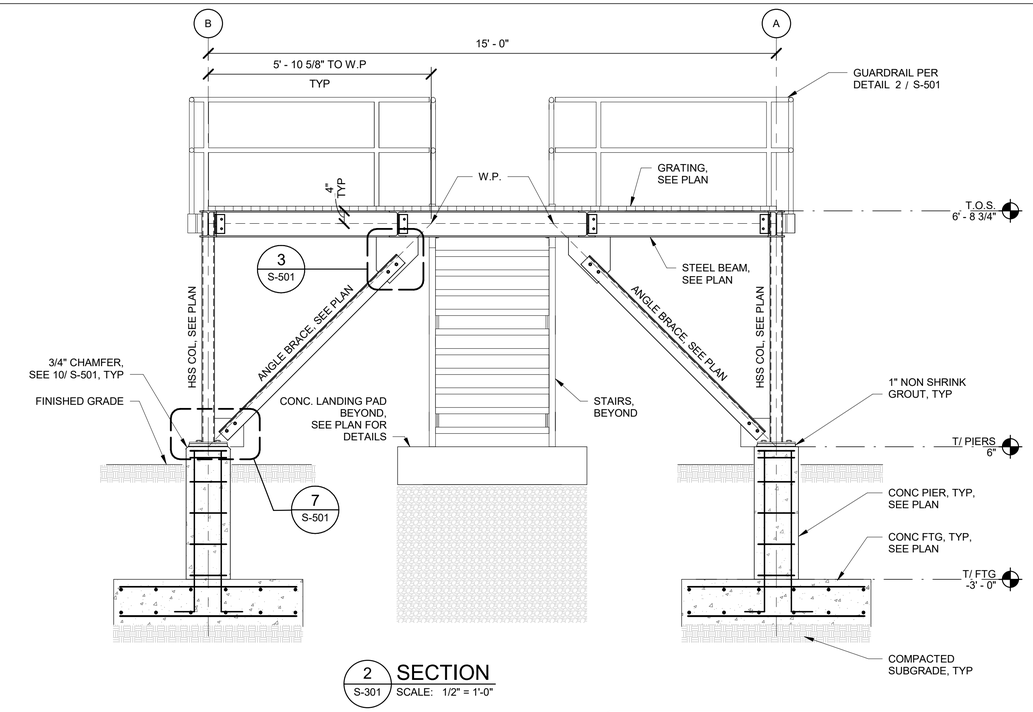
Copyright: Tetra Tech

Bar measures 1 inch, otherwise drawing is not to scale

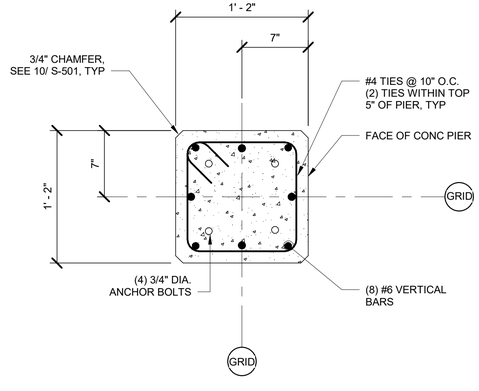
6/4/2020 9:33:07 AM C:\Users\sohan.shetty\Documents\S-LISTER PARK ELEVATED GENERATOR PLATFORM v2019_Sohan.Shetty@tetratech.com.rvt



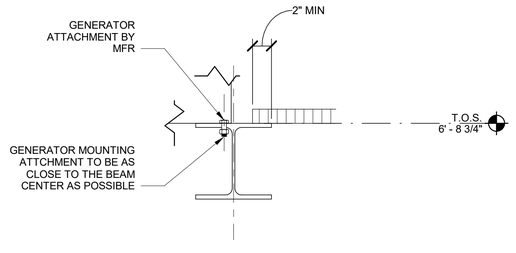
1 S-301 **SECTION** SCALE: 1/2" = 1'-0"



2 S-301 **SECTION** SCALE: 1/2" = 1'-0"



3 S-301 **(P-1) PIER REINFORCING DETAIL** SCALE: 1 1/2" = 1'-0"



4 S-301 **SECTION** SCALE: 1 1/2" = 1'-0"

0 4" 8" 1'-4" SCALE: 1 1/2" = 1'-0"

0 1' 2' 4' SCALE: 1/2" = 1'-0"

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 502
NEW YORK, NEW YORK 10004
TEL: (646) 576-4024

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

LISTER PARK

ELEVATED GENERATOR PLATFORM

STRUCTURAL FOUNDATION AND FRAMING SECTIONS

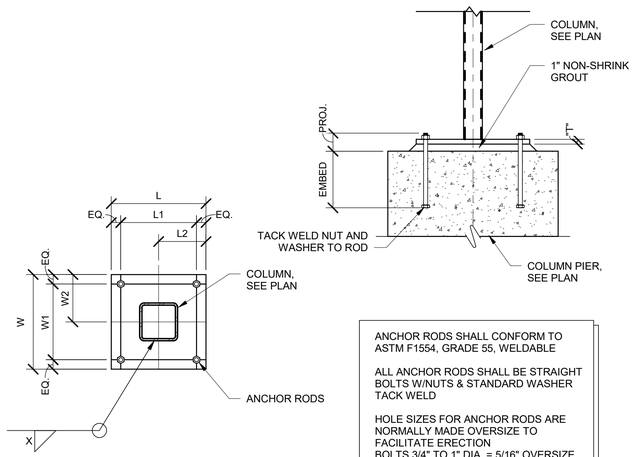
PROJ:	200-89763-18003
DESN:	SPS
DRWN:	BMB
CHKD:	ATC

S-301

Copyright: Tetra Tech

Bar measures 1 inch, otherwise drawing is not to scale

6/4/2020 9:33:08 AM C:\Users\sohan.shetty\Documents\S-LISTER PARK ELEVATED GENERATOR PLATFORM v2019_Sohan.Shetty@tetratech.com.rvt



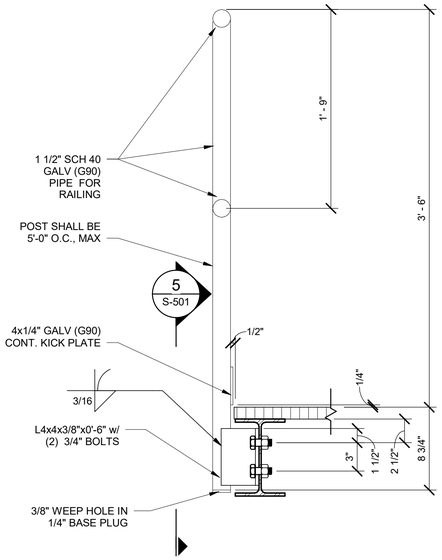
ANCHOR RODS SHALL CONFORM TO ASTM F1554, GRADE 55, WELDABLE

ALL ANCHOR RODS SHALL BE STRAIGHT BOLTS W/NUTS & STANDARD WASHER TACK WELD

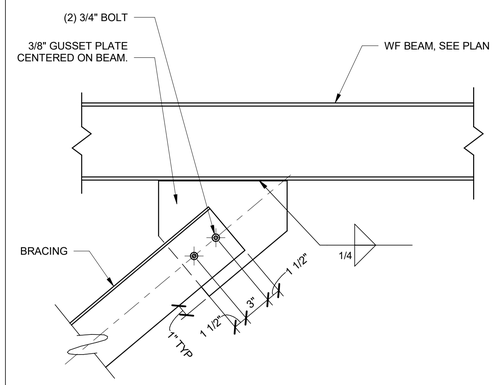
HOLE SIZES FOR ANCHOR RODS ARE NORMALLY MADE OVERSIZE TO FACILITATE ERECTION
BOLTS 3/4" TO 1" DIA. = 5/16" OVERSIZE

BASEPLATE									ANCHOR ROD		
MARK	L	L1	L2	W	W1	W2	"T"	X	SIZE	EMBED.	PROJ.
BP-1	0'-10"	0'-7"	0'-5"	0'-10"	0'-7"	0'-5"	1/2"	1/4	3/4"	12"	4"

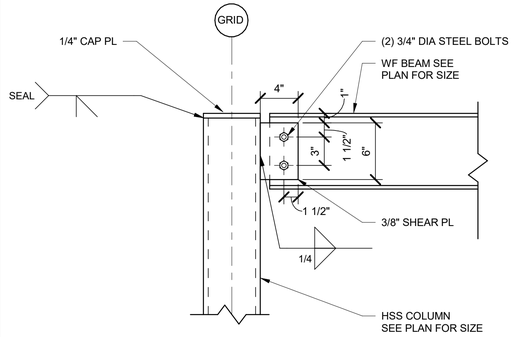
1 / S-501 BASEPLATE DETAIL
SCALE: NTS



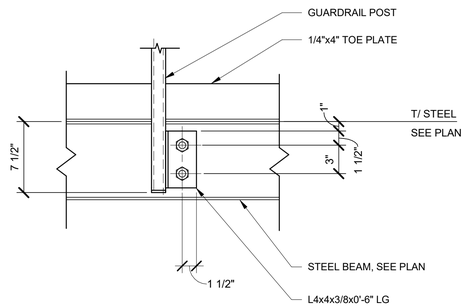
2 / S-501 TYP. STEEL GUARDRAIL DETAIL
SCALE: NTS



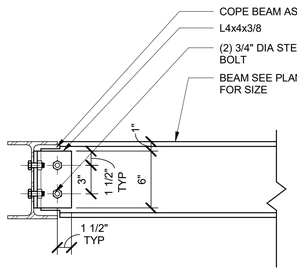
3 / S-501 BRACE TO BEAM CONNECTION
SCALE: NTS



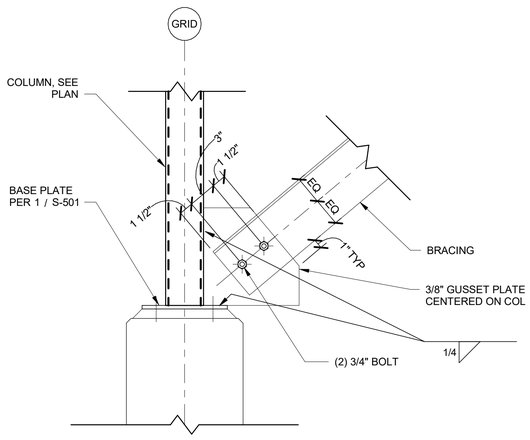
4 / S-501 HSS COL TO BM CONN
SCALE: NTS



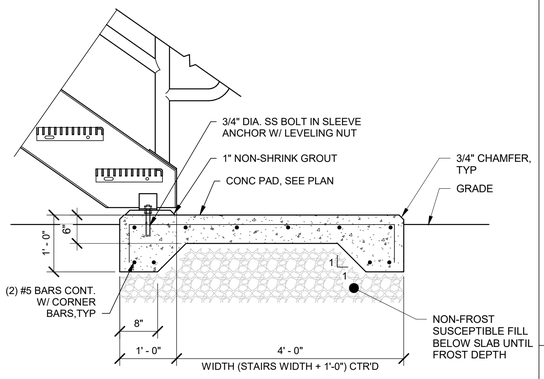
5 / S-501 TYP. SIDEMOUNT GUARDRAIL CONNECTION
SCALE: NTS



6 / S-501 TYP. BEAM CONNECTIONS
SCALE: NTS

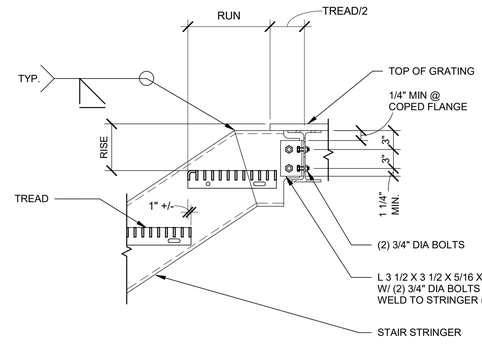


7 / S-501 BRACE TO COLUMN BASE CONNECTION
SCALE: NTS

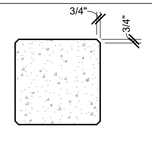


COAT ALL AL. SURFACES IN CONTACT W/ CONC, AND INSTALL ISOLATION SLEEVES AND WASHERS AT DISSIMILAR METALS

8 / S-501 TYP. EXTERIOR CONC. STAIR PAD
SCALE: NTS



9 / S-501 STAIR TOP TO CHANNEL CONNECTION
SCALE: NTS



PEDESTAL PLAN

10 / S-501 CHAMFER DETAILS
SCALE: NTS

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 502
NEW YORK, NEW YORK 10004
TEL: (646) 576-4024

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

LISTER PARK
ELEVATED GENERATOR PLATFORM
STRUCTURAL TYPICAL DETAILS

PROJ:	200-89763-18003
DESN:	SPS
DRWN:	BMB
CHKD:	ATC

S-501

Copyright: Tetra Tech

Bar measures 1 inch, otherwise drawing is not to scale

6/4/2020 9:33:08 AM C:\Users\sohan.shetty\Documents\IS-LISTER PARK ELEVATED GENERATOR PLATFORM v2019_Sohan.Shetty@tetratech.com.rvt

STRUCTURAL GENERAL NOTES

A. THESE GENERAL NOTES PRESENT AND/OR SUMMARIZE KEY PROJECT INFORMATION FOR THE DRAWING READER'S CONVENIENCE. SEE ALSO INDIVIDUAL DRAWING NOTES AND PROJECT SPECIFICATIONS FOR FURTHER DETAILS AND REQUIREMENTS.

B. ALL REFERENCES TO REFERENCE STANDARDS HEREIN ARE TO MOST RECENT ISSUE IN EFFECT AS OF THE DATE OF THESE DOCUMENTS, UNLESS NOTED OTHERWISE IN PROJECT SPECIFICATIONS OR IN THE DRAWING.

C. ALL EXISTING DIMENSIONS SHOWN WITH THE ± SYMBOL ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE FABRICATION AND CONSTRUCTION.

D. SUBMIT SHOP DRAWINGS, PROJECT DATA AND SAMPLES AS SPECIFIED IN PROJECT SPECIFICATIONS.

E. ABBREVIATIONS

AB	ANCHOR BOLT	EF	EACH FACE	MLLW	MEAN LOWER LOW WATER
ADD'L	ADDITIONAL	EL/ ELEV	ELEVATION	MSL	MEAN SEA LEVEL
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	ENGR	ENGINEER	MTL	METAL
		EQ	EQUAL	N	NEW
ALUM	ALUMINUM	EW	EACH WAY	NA	NOT APPLICABLE
APPROX	APPROXIMATE	EXIST	EXISTING	NS	NEAR SIDE
ARCH	ARCHITECT(URAL)	EXP	EXPANSION	NTS	NOT TO SCALE
BFE	BASE FLOOD ELEVATION	EXTG	EXISTING	OC	ON CENTER
BO	BOTTOM OF	FIN	FINISH (ED)	PSF	POUNDS PER SQUARE FOOT
C/C	CENTER TO CENTER	FLG	FLANGE	PSI	POUNDS PER SQUARE INCH
CL	CENTER LINE	FRP	FIBER REINFORCED POLYMER	QTY	QUANTITY
CLG	CEILING			REF	REFERENCE
CLR	CLEAR	FT	FOOT	REINF	REINFORCEMENT
CLSM	CONTROLLED LOW STRENGTH MATERIAL	FTG	FOOTING	REV	REVISION
		GA	GAGE, GAUGE	SCHED	SCHEDULE
CONC	CONCRETE	GALV	GALVANIZED	SF	SQUARE FOOT
CONST	CONSTRUCTION	GR	GRADE	SHT	SHEET
CONT	CONTINUOUS	HK	HOOK	SIM	SIMILAR
COORD	COORDINATE	HORIZ	HORIZONTAL	SPA	SPACE
CTR	CENTER	HR	HAND RAIL	SPEC	SPECIFICATIONS
DEMO	DEMOLISH	IN	INCH	SQ	SQUARE
DIA	DIAMETER	L	ANGLE	STL	STEEL
DIM	DIMENSION	LBS	POUNDS	STRUCT	STRUCTURE(AL)
DIST	DISTANCE	LF	LINEAR FOOT (FEET)	T/	TOP OF
DN	DOWN	MAX	MAXIMUM	THK	THCKNESS
DTL.	DETAIL	MFR	MANUFACTURER	TOC	TOP OF CONCRETE
DWG(S)	DRAWING(S)	MHHW	MEAN HIGHER HIGH WATER	TYP	TYPICAL
DWL	DOWEL	MID	MIDDLE / MIDPOINT	UNO	UNLESS NOTED OTHERWISE
E	EXISTING	MIN	MINIMUM, MINUTE	VERT	VERTICAL
EA	EACH	MISC	MISCELLANEOUS	VIF	VERIFY IN FIELD
				W/	WITH

DESIGN CRITERIA

A. REFERENCES:

1. ICC INTERNATIONAL BUILDING CODE, 2018 EDITION
2. CODE OF ORDINANCES OF THE CITY OF LONG BEACH, NEW YORK
3. ASCE/SEI 7-16 - MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES

B. SOIL PARAMETERS:

STRATUM 1: FILL	MOIST UNIT WEIGHT	= 120 PCF
	INTERNAL FRICTION ANGLE	= 30
	Ko	= 0.50
	Ka	= 0.33
	Kp	= 3.00
STRATUM 2 : PEAT & ORGAINIC SILT/ CLAY	MOIST UNIT WEIGHT	= 70 PCF
	INTERNAL FRICTION ANGLE(c)	= 250 PSF
	Ko	= NA
	Ka	= NA
	Kp	= NA
STRATUM 3 : GLACIAL OUTWASH	MOIST UNIT WEIGHT	= 130 PCF
	INTERNAL FRICTION ANGLE	= 30
	Ko	= 0.44
	Ka	= 0.28
	Kp	= 3.54

C. ATLANTIC WATER ELEVATIONS:

BASE FLOOD ELEVATION	= 7.5'
MEAN HIGHER HIGH WATER	= 2.70'
MEAN SEA LEVEL	= 2.00'
MEAN LOWER LOW WATER	= 1.30'

STRUCTURAL CONCRETE

A. REFERENCES:

1. ACI 350-06 REQUIREMENTS FOR ENVIRONMENTAL ENGINEERING CONCRETE STRUCTURES
2. ACI SP-66 ACI DETAILING MANUAL
3. ACI 301-16 SPECIFICATION FOR STRUCTURAL CONCRETE
4. ACI 117-10 SPECIFICATION FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS
5. CRSI MSP-2-01 MANUAL OF STANDARD PRACTICE
6. CRSI REINFORCING BAR DETAILING
7. CRSI PLACING REINFORCING BARS

B. MATERIALS

1. STRUCTURAL CONCRETE
   a) MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS (f'c).....5000 PSI
   b) ALL CONCRETE EXPOSED TO THE ELEMENTS SHALL BE AIR-ENTRAINED IN ACCORDANCE WITH ASTM C260. SEE SPECIFICATIONS.
   c) ALL CONCRETE AGGREGATE SHALL COMPLY WITH ASTM C33 (NORMAL WEIGHT).
   UNLESS NOTED OTHERWISE ON THE PLANS, ALL CONCRETE TO HAVE THE FOLLOWING EXPOSURE CLASSIFICATION AS DEFINED IN ACI 318-14, CHAPTER 19: F3, S0, W1, C2
2. CONTROLLED LOW STRENGTH MATERIAL(CLSM)
   a) MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS (f'c).....50 PSI
   b) MAXIMUM COMPRESSIVE STRENGTH AT 28 DAYS (f'c).....200 PSI
3. REINFORCEMENT
   a) REINFORCING BARS: ASTM A615, GRADE 60
4. MECHANICAL (TORQUE-CONTROLLED) ANCHORS
   a) APPROVED SYSTEMS INCLUDE HILTI KWIK BOLT TZ (ICC ESR 1917) OR HILTI KWIK HUS-EZ (ICC ESR 3027) OR EQUAL CONSIDERING LOAD RESISTANCE. MECHANICAL ANCHORS SHALL BE APPROVED FOR USE WITH CRACKED CONCRETE PER AC 193. CURRENT ICC-ESR SHALL BE SUBMITTED. ALL PERSONNEL INSTALLING ANCHORS SHALL BE TRAINED BY THE MANUFACTURER ON PROPER INSTALLATION TECHNIQUE. TRAINING DOCUMENTATION FROM THE MANUFACTURER SHALL BE AVAILABLE ON REQUEST
5. ADHESIVE ANCHORS
   a) APPROVED SYSTEMS INCLUDE HILTI HIT-RE 500 V3 (ICC ESR 3814) OR HILTI HIT-HY 200 ADHESIVE WITH HAS/ HIT-V THREADED ROD WITH SAFESET TECHNOLOGY (ICC ESR 3187) OR EQUAL CONSIDERING LOAD RESISTANCE, IN-SERVICE AND INSTALLATION TEMPERATURE, AVAILABILITY OR COMPREHENSIVE INSTALLATION INSTRUCTIONS, AND CREEP. ADHESIVE ANCHORS SHALL BE APPROVED FOR USE WITH CRACKED CONCRETE PER AC 308. CURRENT ICC-ESR SHALL BE SUBMITTED.
   b) ALL PERSONNEL INSTALLING ANCHORS SHALL BE TRAINED BY THE MANUFACTURER ON PROPER INSTALLATION TECHNIQUE. TRAINING DOCUMENTATION FROM THE MANUFACTURER SHALL BE AVAILABLE ON REQUEST.
   c) HOLE SIZES AND INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII)
   d) ADHESIVE FOR REBAR AND ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS. DESIGN ADHESIVE BOND STRENGTH HAS BEEN BASED ON ACI 355.4 TEMPERATURE CATEGORY A/B/C WITH INSTALLATIONS INTO DRY/WATER SATURATED HOLES DRILLED USING A CARBIDE DRILL BIT INTO CONCRETE THAT HAS BEEN CURED FOR AT LEAST 21 DAYS.
   e) ANY ADHESIVE ANCHOR INSTALLED HORIZONTALLY OR IN A VERTICALLY INCLINED PLANE SHALL BE INSTALLED BY CERITIFIED ADHESIVE ANCHOR INSTALLER, PER ACI 318-14 17.8.2.2, AND SHALL BE INSPECTED PER ACI 318-14 17.8.2.4.
   f) FILL IN ALL ABANDONED HOLES WITHIN 2" OF NEW ANCHOR LOCATIONS.
6. GROUT: HIGH STRENGTH, NON-SHRINK STRUCTURAL GROUT. SEE SPECIFICATIONS.

C. REINFORCEMENT DETAILING

1. ALL REINFORCING STEEL DETAILS SHALL BE IN ACCORDANCE WITH THE ACI CODE REQUIREMENTS (ACI 350 - CURRENT EDITIONS).
2. REINFORCING STEEL PLACING DRAWINGS AND BAR LISTS SHALL CONFORM TO THE ACI OR CRSI DETAILING MANUALS. ALL BAR AND MESH SUPPORTS MUST BE CLEARLY DETAILED
3. CONCRETE COVER FOR REINFORCING SHALL BE INDICATED ON THE APPLICABLE REINFORCING STEEL SHOP DRAWINGS. HOWEVER, NO REINFORCING IN AREAS EXPOSED TO EARTH, WEATHER OR WATER SHALL HAVE COVER LESS THAN TWO INCHES.
4. SPECIFIED COVER FOR REINFORCING PER ACI 350:

   PIPE EXTENSION CASING.....3.0"
5. HOOKS AND BENDS SHALL MEET ACI STANDARD UNLESS OTHERWISE INDICATED.
6. SPLICES: CONTINUOUS REINFORCING BARS SHALL BE FURNISHED WITH CLASS 'B' TENSION LAPS SPLICES INCLUDING CORNER BARS, UNLESS NOTED OTHERWISE.
7. MECHANICAL SPLICES SHALL NOT BE PERMITTED UNLESS SHOWN ON THE DRAWINGS OR APPROVED BY THE ENGINEER OF RECORD
8. REINFORCING STEEL FABRICATION AND PLACEMENT SHALL BE IN ACCORDANCE WITH CRSI MANUAL OF STANDARD PRACTICE AND CRSI PLACING REINFORCING BARS (LATEST EDITIONS).
9. ALL REINFORCING SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES IN CONCRETE
10. NO REINFORCING STEEL SHALL BE FIELD BENT WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER. FIELD BENDING OF PLAIN REINFORCEMENT, IF PERMITTED, SHALL BE PERFORMED USING AN APPROVED AND APPROPRIATE SIZED PORTABLE HYDRAULIC DEVICE THAT MAKES ACI STANDARD RADIUS BENDS. NO OTHER FIELD BENDING METHOD SHALL BE PERMITTED.
11. WELDING, INCLUDING TACK WELDING, FOR REINFORCING STEEL IS PROHIBITED. WELDING OF REINFORCING STEEL AND HIGH STRENGTH BOLTS, IE. A36, F1554, WILL BE PERMITTED ONLY BY WRITTEN APPROVAL OF THE ENGINEER.
12. MODIFICATION AND REPAIR TO EXISTING CONCRETE: (A) SEE CONCRETE SPECIFICATIONS FOR COMPLETE EXPLANATION. (B) CONNECTION METHODS - METHOD A - BONDING TO SATURATED SURFACE METHOD B - BONDING BY USING BONDING AGENT METHOD C - DOWELS USING EPOXY BONDING AGENT

D. FORMWORK

1. SEE SPECIFICATIONS
2. PROVIDE 3/4" CHAMFER AT ALL EXPOSED CORNERS OF CONCRET ETC. UNLESS OTHERWISE NOTED.

E. CONCRETE FINISHES: SEE SPECIFICATIONS

1. FORMED SURFACES:
   a) EXPOSED TO VIEW: SMOOTH FORMED FINISH.
   b) COVERED OR AS NOTED ON PLANS: AS-CAST
2. FLATWORK:
   a) EXPOSED TO VIEW: SMOOTH

F. CURING AND PROTECTION: SEE SPECIFICATIONS.

G. SUBMITTALS

1. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING THE FOLLOWING DOCUMENTS TO THE ENGINEER OF RECORD:
   a) CONCRETE MIX DESIGN
   b) CONCRETE REINFORCING DRAWINGS

STRUCTURAL TIMBER

A. SAWN LUMBER:
1. ALL MEMBERS SHALL HAVE THE MINIMUM STRENGTH REQUIREMENTS EQUIVALENT TO SOUTHERN PINE, NO. 2 GRADE AS LISTED IN "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" (NDS), WITH A MAXIMUM MOISTURE CONTENT OF 19%. "STUD" GRADE MATERIAL IS STRICTLY PROHIBITED FROM USE.
2. ALL MEMBERS SHALL BE PRESSURE TREATED IN ACCORDANCE WITH THE MANUAL OF RECOMMENDED PRACTICE OF THE AMERICAN WOOD PRESERVERS' ASSOCIATION STANDARDS (AWPA).
3. CUTTING OR NOTCHING IS NOT ALLOWED WITHOUT WRITTEN APPROVAL FROM THE ENGINEER.

B. MECHANICAL FASTENERS:
1. STRUCTURAL BOLTS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1-1981. HOLES SHALL BE DRILLED NOT MORE THAN 1/16" LARGER THAN BOLT DIAMETER.

C. SUBMITTALS
1. SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR CONSTRUCTION. SHOP DRAWINGS SHALL INCLUDE AN ERECTION PLAN AND FABRICATION DETAILS.

STRUCTURAL STEEL

A. REFERENCES:
1. AISC STEEL CONSTRUCTION MANUAL, 14TH EDITION
2. AWS D1.1 STRUCTURAL WELDING CODE - STEEL

B. MATERIALS:
1. GRADE STEEL
   WIDE FLANGES.....ASTM A992, GRADE 50
   CHANNELS, ANGLES, AND PLATES.....ASTM A36
2. STRUCTURAL BOLTS: STAINLESS STEEL, GRADE 316
3. WELDS: E70XX ELECTRODES

C. CONNECTIONS
1. AISC MANUAL STANDARD CONNECTIONS UNLESS NOTED. HIGH-STRENGTH BOLTS: ASTM A325-N, 3/4" UNLESS NOTED OTHERWISE. BEARING TYPE INSTALLED IN CONFORMANCE WITH "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS", RESEARCH COUNCIL ON RIVETED AND BOLTED STRUCTURAL JOINTS. UNLESS NOTED OTHERWISE, STANDARD AISC "USUAL GAGE" DIMENSIONS SHALL BE USED FOR LOCATING HOLES FOR BOLTS, EXPANSION ANCHORS, ETC. IN ALL ANGLES, BEAM FLANGES, ETC.
2. THE ASSEMBLY SURFACE, INCLUDING THOSE ADJACENT TO THE WASHER, SHALL BE FREE OF MILL SCALE, OIL, PAINT OR OTHER COATINGS.
3. ALL HIGH STRENGTH BOLTS SHALL BE TIGHTENED TO A BOLT TENSION NOT LESS THAN THAT SPECIFICATION IN THE AISC MANUAL. FULL TENSIONING SHALL BE BY THE TURN OF NUT METHOD, BY A DIRECT TENSION INDICATOR, OR BY PROPERLY CALIBRATED WRENCHES. PROVIDE HARDENED WASHERS UNDER THE NUT OR BOLT HEAD, WHICHEVER IS THE ELEMENT TURNED IN TIGHTENING.
4. WELDING - PERFORM ALL WELDING IN ACCORDANCE WITH AWS D1.1 CODE, LATEST EDITION, WELDS SHALL BE MADE ONLY BY OPERATORS CERTIFIED BY AWS IN PERFORMING THE TYPE OF WORK INDICATED.

D. TOLERANCES: AISC CODE OF STANDARD PRACTICE (LATEST EDITION)

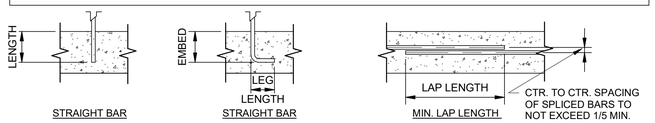
E. CAMBER: PROVIDE POSITIVE CAMBER AS NOTED ON DRAWINGS, WHERE NO CAMBER IS NOTED, RESIDUAL MILL CAMBER IS TO BE UPWARDS.

F. SHOP DRAWINGS
1. SUBMIT ERECTION AND FABRICATION SHOP DRAWINGS. SEE SPECS.

G. ALL STEEL AND ACCESSORIES SHALL BE HOT DIPPED GALVANIZED (G90).

TENSION DEVELOPMENT / LAP SPLICE SCHEDULE (UNCOATED BARS)

BAR SIZE	DEVELOPMENT / LAP SPLICE LENGTH IN CONCRETE (f'c = 5000 PSI)						
	DEVELOPMENT LENGTH (IN)		CLASS 'B' LAP SPLICE LENGTH (IN)		STD 90 DEG. HOOK (IN)		
	BAR TYPE 1	BAR TYPE 2	BAR TYPE 1	BAR TYPE 2	EMBED	LEG LENGTH	BEND DIA.
4	18	27	24	35	7	8	3
5	23	34	30	44	9	10	3 3/4
6	27	41	35	53	10	12	4 1/2



STRAIGHT BAR — STRAIGHT BAR — MIN. LAP LENGTH

BAR TYPE 1 - CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN Db, CLEAR COVER NOT LESS THAN Db, AND STIRRUPS OR TIES THROUGHOUT Ld NOT LESS THAN CODE MINIMUM

OR

CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN 2"Db AND CLEAR COVER NOT LESS THAN Db.

BAR TYPE 2 - TOP BARS WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW **AND** OTHER CASES

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 502
NEW YORK, NEW YORK 10004
(646) 576-4024

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

LISTER PARK

BULKHEADING

STRUCTURAL BULKHEAD GENERAL NOTES

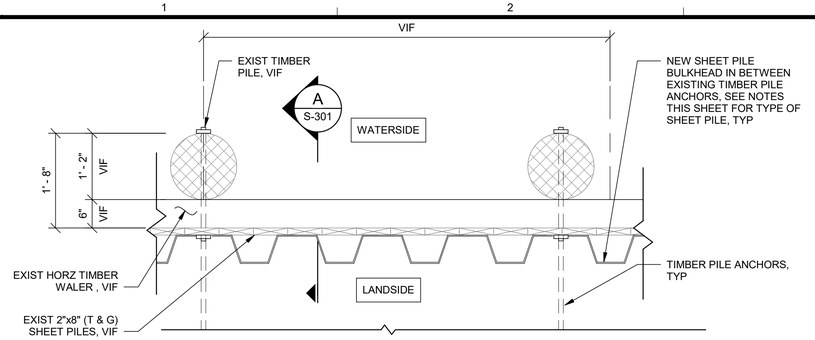
Project No.:	200-89763-18003
Designed By:	PN
Drawn By:	JKS
Checked By:	ATC

SB-001

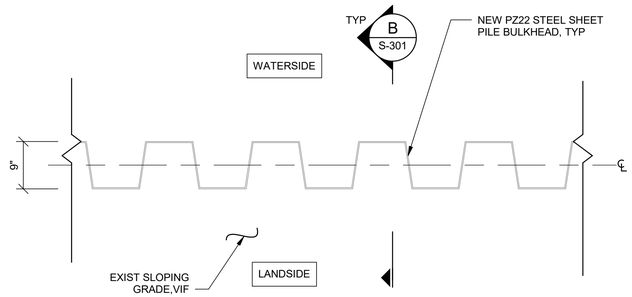
Copyright: Tetra Tech

6/4/2020 10:24:39 AM C:\Users\sohan.shetty\Desktop\Revit working models\New folder\New folder\Lister Park v2017.rvt

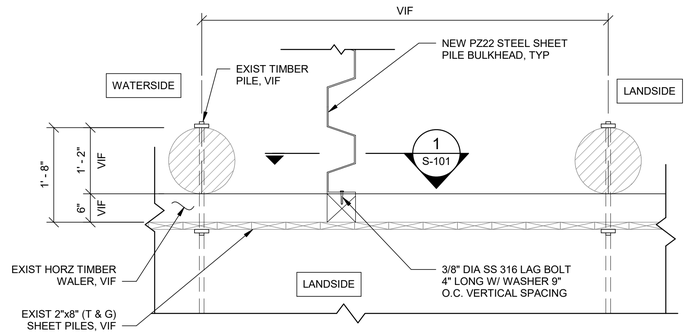
Bar Measures 1 inch



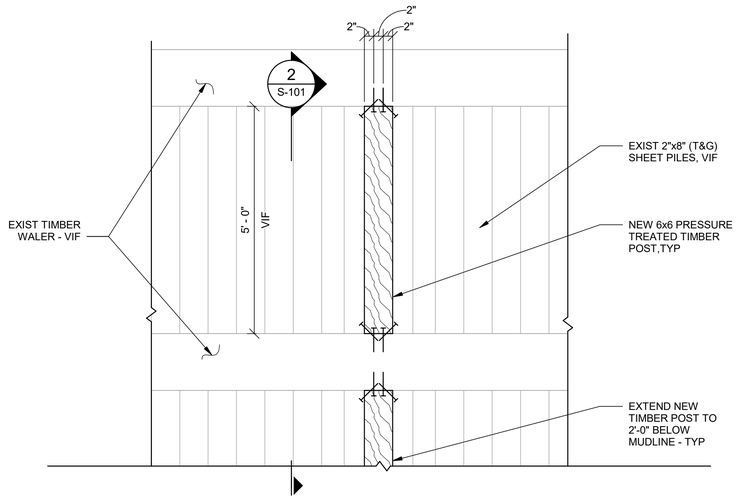
A S-101 TYPICAL NEW SHEET PILE AT EXIST BULKHEAD
SCALE: NTS



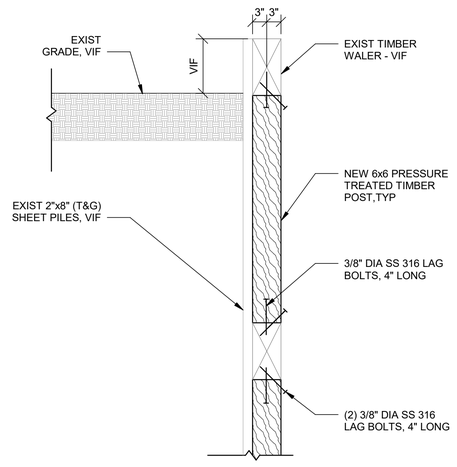
B S-101 NEW STEEL SHEET PILE AT EXIST SLOPING GRADE
SCALE: NTS



C S-101 NEW STEEL SHEET PILE AT EXIST BULKHEAD TIE-IN CONDITION
SCALE: NTS



1 S-101 NEW POST TO WALER CONN
SCALE: NTS



2 S-101 SECTION
SCALE: NTS

PLAN NOTES:

1. SEE S-001 FOR GENERAL NOTES AND DESIGN CRITERIA
2. SEE S-501 FOR DETAILS OF DRAINAGE PIPE, WEEP HOLE AND PILE CAP DETAILS
3. SEE CIVIL DRAWINGS FOR LAYOUT AND LOCATION OF BULKHEADS
4. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS AND EXISTING DIMENSIONS AND NOTIFY ENGINEER IMMEDIATELY IF DISCREPANCIES EXIST BETWEEN IDENTIFIED SCOPE OF WORK AND ACTUAL FIELD CONDITIONS.
5. INSTALL WEEP HOLE SYSTEM IN FACE OF EXISTING AND NEW STEEL BULKHEAD SYSTEM AS INDICATED IN DRAWINGS.
6. INSTALL PILE CAP AS INDICATED ON CONTRACT DOCUMENTS.

NOTES FOR NEW SHEET PILE AT EXISTING BULKHEADS ONLY:

1. SHEET PILES SHALL BE DRIVEN BEHIND THE EXISTING DAMAGED TIMBER LAGGING AT THE LOCATIONS SHOWN ON THE CIVIL DRAWINGS.
2. SHEET PILE SHALL BE INSTALLED AS CLOSE AS PRACTICAL TO THE EXISTING BULKHEAD.
3. THE TYPE AND SECTION OF SHEET PILE TO BE USED IS AT THE DISCRETION OF THE CONTRACTOR. HOWEVER, THE SHEET PILE SHALL BE DRIVEN TO A DEPTH AT LEAST 3 FEET BELOW THE BOTTOM OF EXISTING WHALER AT A MINIMUM.
4. PLUMBNESS FOR THE SHEETS SHALL BE AS PRESENTED IN THE SHEET PILE SPECIFICATION SECTION, PARAGRAPH 3.02, ITEM D.
5. SHEET PILES DRIVEN OUT OF PLUMB OR ARE DAMAGED DURING INSTALLATION SHALL BE REPLACED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
6. THE HORIZONTAL DEFLECTION OF THE SHEET PILES SHALL BE LESS THAN 0.5 INCHES AT ANY POINT ALONG THE SHEETING. SHEET PILE THAT DEFLECTS HORIZONTALLY MORE THAN 0.5 INCHES SHALL BE REPLACED WITH A MORE ROBUST SHEET PILE SECTION AT THE CONTRACTOR'S EXPENSE.
7. THE PROPOSED SHEET PILE SECTION, INSTALLATION METHODS, AND PLANNED EQUIPMENT SHALL BE PRESENTED IN A SEPARATE SECTION WITHIN THE SHEET PILE INSTALLATION PLAN TO BE SUBMITTED TO THE ENGINEER FOR HIS REVIEW AND APPROVAL.
8. BY THE SELECTING A SHEET PILE TYPE AND SECTION TO REPLACE THE DAMAGED TIMBER LAGGING AND SUBMITTING THE PLAN, THE CONTRACTOR AFFIRMS THAT THE PROPOSED TYPE AND SECTION OF THE PROPOSED SHEET PILE SHALL NOT DEFLECT HORIZONTALLY MORE THAN 0.5 INCHES AND IS SUITABLE TO REPLACE THE DAMAGED TIMBER LAGGING.

ASSUMED SEQUENCE AND INSTALLATION PLAN

A. THE FOLLOWING ARE THE ASSUMED SEQUENCE OF INSTALLATION PROCEDURES ASSOCIATED WITH THE WORK REQUIRED . CONTRACTOR TO BE RESPONSIBLE FOR ALL FINAL INSTALLATION PROCEDURES, AS REQUIRED AND/OR MODIFIED FOR ACTUAL VERIFIED FIELD CONDITIONS.
B. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE STABILITY OF THE EXISTING BULKHEADS THROUGH CONSTRUCTION, INCLUDING THE INSTALLATION OF THE NEW BULKHEADS.
C. ONCE TOP OF EXISTING BULKHEAD IS ADEQUATELY SUPPORTED, CONTRACTOR TO BEGIN INSTALLATION OF NEW SHEET PILE BULKHEAD BY STARTING AT ONE END OF PROPOSED NEW BULKHEAD RUN AND WORKING TOWARDS THE OTHER END.
D. AT LEAST 30 DAYS PRIOR TO MOBILIZATION TO THE SITE, THE CONTRACTOR SHALL PREPARE AND SUBMIT A BULKHEAD INSTALLATION PLAN FOR REVIEW. AT A MINIMUM, THIS PLAN SHALL INCLUDE THE FOLLOWING: EQUIPMENT TO BE USED, PROPOSED MATERIALS, PROPOSED STABILIZATION SYSTEM, INSTALLATION SEQUENCE FOR CANTILEVER WALLS. THE PLAN SHALL INCORPORATE AND INCLUDE RECOMMENDATIONS FROM THE SHEET PILE MANUFACTURER. BY SUBMITTING THIS PLAN, THE CONTRACTOR AFFIRMS HE HAS VISITED THE SITE, OBSERVED AND NOTED THE EXISTING CONDITIONS, VERIFIED THE EXISTING DIMENSIONS, AND HAS PROVIDED A STABILIZATION SYSTEM AND INSTALLATION SEQUENCE THAT WILL NOT RESULT IN DEFLECTIONS GREATER THAN 2% OF THE BULKHEAD HEIGHT

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 502
NEW YORK, NEW YORK 10004
(646) 576-4024

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

LISTER PARK

BULKHEADING

STRUCTURAL BULKHEAD PLAN SECTIONS

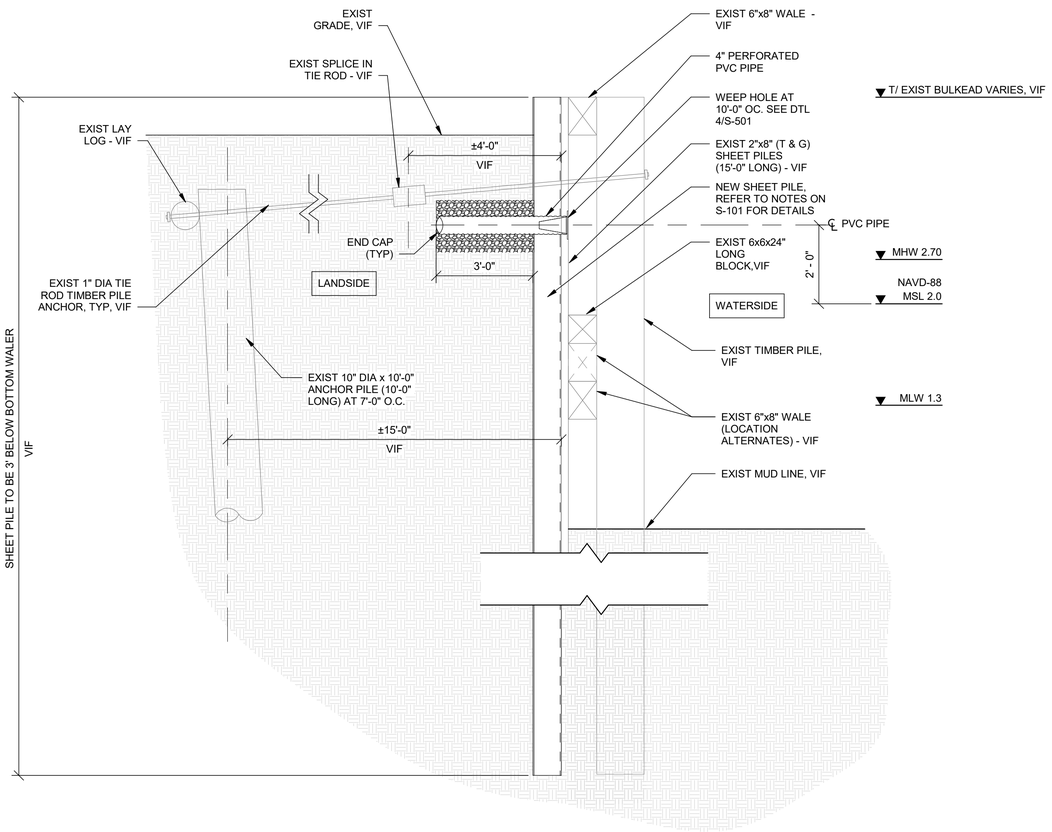
Project No.:	200-89763-18003
Designed By:	PN
Drawn By:	JKS
Checked By:	ATC

SB-101

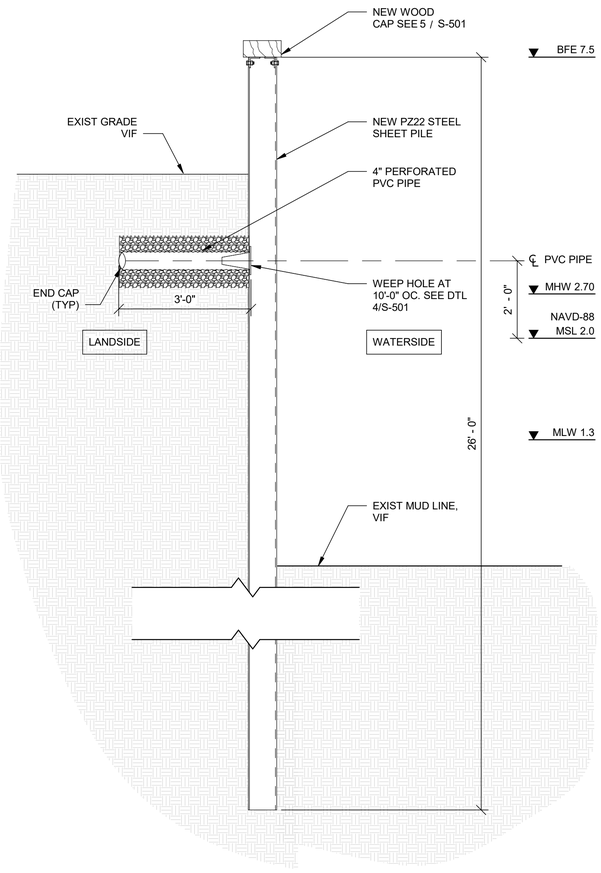
Copyright: Tetra Tech

Bar Measures 1 inch

6/4/2020 10:24:39 AM C:\Users\sohan.shetty\Desktop\Revit working models\New folder\New folder\Lister Park v2017.rvt



A SECTION
S-301 SCALE: NTS



B SECTION
S-301 SCALE: NTS

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 502
NEW YORK, NEW YORK 10004
(646) 576-4024

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

LISTER PARK

BULKHEADING

STRUCTURAL BULKHEAD SECTIONS

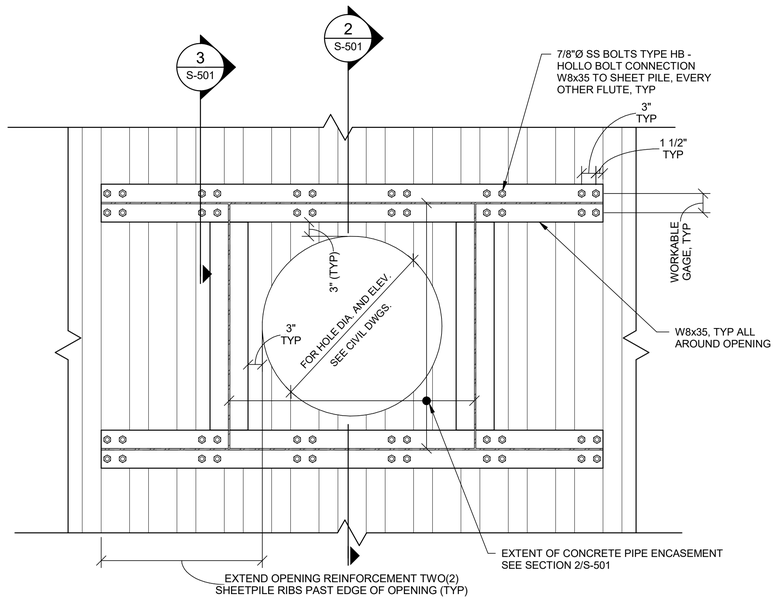
Project No.:	200-89763-18003
Designed By:	PN
Drawn By:	JKS
Checked By:	ATC

SB-301

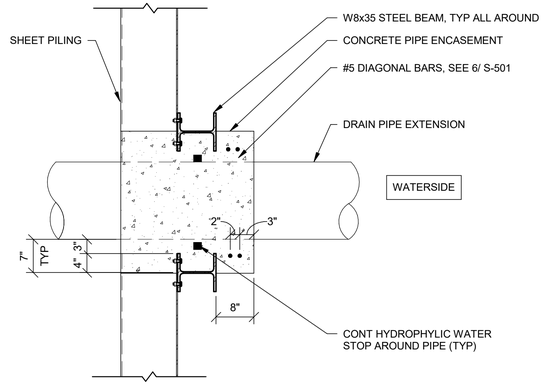
Copyright: Tetra Tech

Bar Measures 1 inch

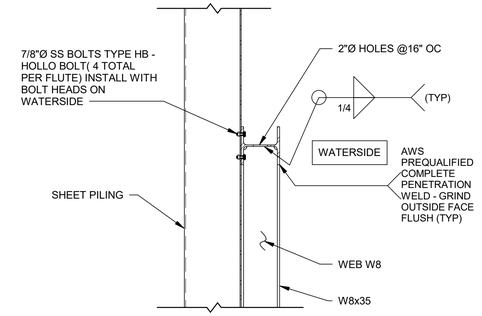
6/4/2020 10:24:40 AM C:\Users\sohan.shetty\Desktop\Revit working models\New folder\New folder\Lister Park v2017.rvt



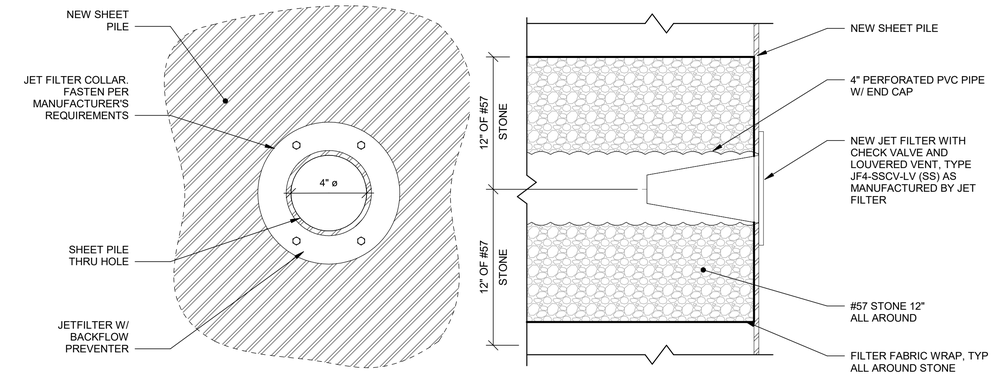
1 S-501 TYPICAL INBOARD ELEVATION AT BULKHEAD PIPE OPENINGS
SCALE: NTS



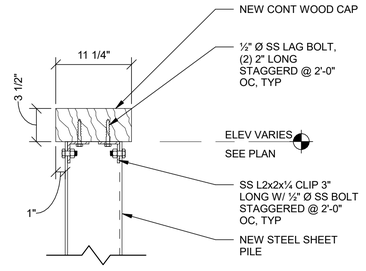
2 S-501 NEW PIPE EXTENSION - SHEET PILE INTERFACE DETAIL
SCALE: NTS



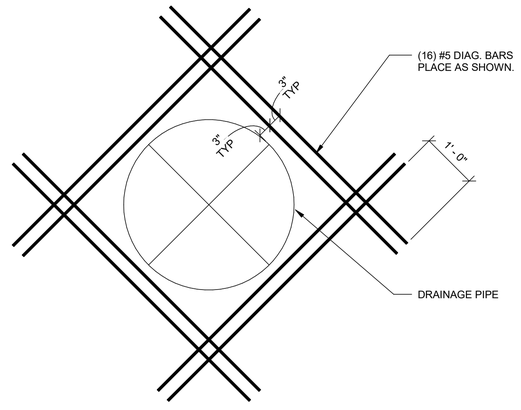
3 S-501 SECTION
SCALE: NTS



4 S-501 WEEP HOLE DETAIL
SCALE: 3" = 1'-0"



5 S-501 TIMBER PILE CAP
SCALE: NTS



6 S-501 REINF. STEEL @ PIPE
SCALE: NTS

TETRA TECH
www.tetratech.com
5 HANOVER SQUARE, SUITE 502
NEW YORK, NEW YORK 10004
(646) 576-4024

DRAFT 100% NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION	BY

LISTER PARK

BULKHEADING

STRUCTURAL TYPICAL DETAILS

Project No.:	200-89763-18003
Designed By:	PN
Drawn By:	JKS
Checked By:	ATC

SB-501

Copyright: Tetra Tech

Bar Measures 1 inch

6/4/2020 10:24:40 AM C:\Users\sohan.shetty\Desktop\Revit working models\New folder\New folder\Lister Park v2017.rvt

Appendix A4

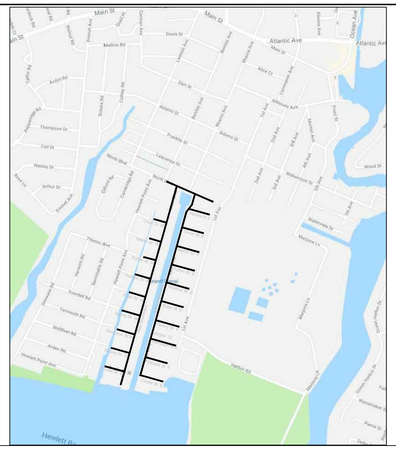
East, North, and West Boulevards – Stormwater Drainage Improvements

This page intentionally left blank.

TOWN OF HEMPSTEAD
DEPARTMENT OF ENGINEERING
NASSAU COUNTY, NEW YORK

CONTRACT DRAWINGS FOR
STORMWATER DRAINAGE AND ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK
MAY 2020

100% SUBMISSION



NOT TO SCALE

LOCATION PLAN

SHADED AREA INDICATES CONTRACT LIMITS

NASSAU COUNTY FILE NO.

NASSAU COUNTY APPROVALS

WARNING - It is a violation of the Education Law for any person, unless acting under the direction of a licensed professional engineer, to alter any item on these plans in any way.

P.W.#

APPROVED BY

DOUGLAS TUMAN, P.E.
COMMISSIONER OF ENGINEERING — DATE

THOMAS TOSCANO
COMMISSIONER OF HIGHWAYS — DATE

JEFFREY M. TIERNEY
COORDINATOR OF DRAINAGE DESIGN — DATE

SUBMITTED FOR APPROVAL BY

JAMES A. GLADYSZ P.E.
LICENSED PROFESSIONAL ENGINEER No.063780 — DATE

BASE MAP LEGEND

MANHOLES
- STORM DRAIN (D)
- ELECTRIC (E)
- GAS (G)
- SANITARY SEWER (S)
- SANITARY SEWER CLEANOUT $^{O}_{SC}$
- TRAFFIC
- TELEPHONE (T)
- UNKNOWN (?)
- WATER (W)

CATCH BASIN INLETS
- COMB.CURB INLET & GRATE
- CURB INLET
- DOUBLE CURB INLET
- FLUSH GRATE
- ROUND GRATE

UTILITIES
- STORM DRAINAGE PIPE — 18" DRAIN
- ELECTRIC — 4"Ø
- GAS MAIN — 4"G
- SANITARY SEWER PIPE — 12"S
- TELEPHONE — T
- TRAFFIC — TR
- WATER — 8"W

UTILITY PAINT
- ELECTRIC — EL
- ELECTRIC OFFSET — EL 2'
- GAS — GM
- GAS OFFSET — GM 2'
- GAS SERVICE — G
- SEWER SERVICE — S
- TELEPHONE — TEL
- TELEPHONE OFFSET — T 2'
- WATER — WM
- WATER SERVICE
- WATER OFFSET — WM 2'

UTILITY HARDWARE
- ELECTRIC VAULT — E
- GAS MAIN VALVE
- GAS SERVICE VALVE
- GAS VENT
- HYDRANT
- HYDRANT VALVE
- OIL FILLER VALVE $^{O}_{FV}$
- SANITARY SEWER VENT
- TRAFFIC DETECTOR
- TRAFFIC LOOP
- UNIDENTIFIED VAULT — V
- UNKNOWN VALVE
- WATER MAIN VALVE
- WATER METER
- WATER SERVICE VALVE

UTILITY POLES
- METAL POLE WITH LIGHT
- METAL POLE WITH TRAFFIC
- PEDESTRIAN STANCHION
- WOODEN UTILITY POLE
- WOODEN UTILITY POLE WITH LIGHT

VEGETATION
- BUSH
- 4' HIGH HEDGE — 4' HEDGE
- 15" DIA. DECIDUOUS TREE — 15"
- EVERGREEN

- GUARD RAIL
- METAL FENCE
- RETAINING WALL
- WOODEN FENC
- VINYL FENCE

BASE MAP LEGEND

MISCELLANEOUS
- BASELINE & STATION — 0+00 … 1+00
- BASKETBALL BACKBOARD POST $^{O}_{BB}$
- CELLAR DOOR — CD
- COLUMN
- CURB
- CURB & GUTTER
- EDGE OF PAVEMENT
- FIRST FLOOR ENTRANCE
- FLAGPOLE $^{O}_{FP}$
- GARAGE ENTRANCE
- GUARDPOST $^{O}_{GP}$
- GUYWIRE & ANCHOR
- HANDICAP RAMP
- LOT LINE
- MAILBOX — MB
- MONUMENT
- PARKING METER
- POLICE BOX — P
- PROPERTY LINE
- ROOF DRAIN $^{O}_{RD}$
- ROADWAY CENTERLINE
- SIGN – SINGLE POST
- SIGN – DOUBLE POST
- TELEPHONE BOOTH — TB
- TEST HOLE

ABBREVIATIONS

ABAND.	ABANDONED
ALUM	ALUMINUM
A.O.B.E.	AS ORDERED BY ENGINEER
APT.	APARTMENT
ASPH.	ASPHALT
BOP	BEGINNING OF PROFILE
B. BLK	BELGIAN BLOCK
B.C.	BOTTOM OF CURB
B.T.	BLACKTOP
BIT	BITUMINOUS
BLK	BLOCK
B.M.	BENCH MARK
BRK	BRICK
B.W.	BACK OF SIDEWALK
CB	CATCH BASIN
CL	CENTERLINE OF ROADWAY
CONC.	CONCRETE
CH. LK. FE.	CHAIN LINK FENCE
D.I.C.B.	DOUBLE INLET CATCH BASIN
DILAP.	DILAPIDATED
(E)	EAST
EL	ELEVATION
EOP	EDGE OF PAVEMENT
EXIST.	EXISTING
FF7.25	FIRST FLOOR ELEVATION
FR	FRAME
F.W.	FRONT OF SIDEWALK
G	GUTTER
GF18.30	GARAGE FLOOR ELEVATION
H.C.R.	HANDICAP RAMP
HP 5.90C	HIGH POINT ELEVATION AT CURB
H.D.P.E.	HIGH DENSITY POLYETHELENE PIPE
INV. = 7.00	INVERT ELEVATION
L.	LEFT
L/C	LEFT CURB
MH	MANHOLE
MID C.L.	MIDCENTERLINE OF ROADWAY
(N)	NORTH
N.I.C.	NOT IN CONTRACT
PC	POINT OF CURVATURE
RAIL FE.	POST AND RAIL FENCE
#107	RESIDENCE NO. 107
RCP	REINFORCED CONCRETE PIPE
R.	RIGHT
R/C	RIGHT CURB
R=32.65	RIM ELEVATION OF MANHOLE
S.I.C.B.	SINGLE INLET CATCH BASIN
SSHC	SANITARY SEWER HOUSE CONNECTION
SLT.	SLATE
(S)	SOUTH
STA	STATION
STOCK FE.	STOCKADE FENCE
STY	STORY
T.B.M.	TEMPORARY BENCH MARK
T.C.	TOP OF CURB
TH #3	TEST HOLE
THEO.	THEORETICAL
TTC	THEORETICAL TOP OF CURB
TYP.	TYPICAL
U.G.	UNDERGROUND
VAC.	VACANT
VPI	VERTICAL POINT OF INTERSECTION
(W)	WEST
WD	WOOD

GENERAL NOTES

GENERAL NOTES:

1. THECONTRACTOR SHALL PROVIDE AND MAINTAIN AN ENGINEER'S FIELD OFFICE FOR THIS PROJECT. THE ENGINEER SHALL APPROVE THE LOCATION OF THE ENGINEER'S FIELD OFFICE.
2. THE CONTRACTOR IS CAUTIONED TO AVOID DISTURBING ANY EXISTING FENCES, HEDGES, SHRUBS, TREES, ETC., THAT ARE ADJACENT TO HIS CONSTRUCTION WITHOUT WRITTEN PERMISSION FROM THE ENGINEER. AS ORDERED BY THE ENGINEER, THE COST OF REPAIRING OR ADJUSTING ANY SUCH DISTURBED AREAS WILL BE AT THE CONTRACTOR'S OWN EXPENSE. IN THE EVENT THAT TREES ARE ENDANGERED, THE CONTRACTOR WLL TAKE ALL PRECAUTIONS TO PROTECT THEM, AS DIRECTED BY THE ENGINEER. PAYMENT FOR ANY NECESSARY WORK, INCLUDING PRUNING, SUPPORTING, SHEETING, ETC., ARE TO BE INCLUDED IN THE VARIOUS CONTRACT ITEMS.
3. INVERT ELEVATIONS MAY BE ADJUSTED IN THE FIELD TO MEET FIELD CONDITIONS OR TO AVOID CONFLICT WITH UTILITIES OR TREES/ROOTS, AS ORDERED BY THE ENGINEER. CONTRACTOR TO COORDINATE HIS ACTIVITIES ACCORDINGLY, AT NO ADDITIONAL COST TO THE OWNER.
4. LOCATIONS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY. CONTRACTOR IS TO FIELD LOCATE ALL UTILITIES PRIOR TO THE START OF ANY UNDERGROUND WORK.
5. WHERE APPLICABLE, UNDER THE BID PRICE FOR THE VARIOUS DRAINAGE ITEMS THE CONTRACTOR SHALL BACKFILL ALL PIPE AND STRUCTURE EXCAVATIONS WITH SUITABLE EXCAVATED MATERIAL AS SPECIFIED.
6. THE CONTRACTOR SHALL INSTITUTE SEDIMENT CONTROL METHODS TO PREVENT SEDIMENT, CONCRETE, OR ANY OTHER MATERIALS OR CONSTRUCTION DEBRIS FROM ENTERING THE DRAINAGE SYSTEM OR ANY WATERWAYS DURING ALL PHASES OF CONSTRUCTION. THE SEDIMENT CONTROL DEVICES AND PROCEDURES TO BE EMPLOYED BY THE CONTRACTOR SHALL MEET CURRENT ESTABLISHED STANDARDS. THE CONTRACTOR SHALL MAINTAIN POSITIVE SURFACE DRAINAGE FLOW AT ALL TIMES DURING CONSTRUCTION. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS CONTRACT ITEMS. SEE TOWN OF HEMPSTEAD SPECIFICATIONS AND STORM WATER POLLUTION CONTROL PLAN AND EROSION CONTROL DETAILS INCLUDED.
7. EXISTING DRAINAGE PIPES, DRAINAGE STRUCTURES AND PIPES SHALL BE REMOVED WHERE SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. THE COST IS TO BE INCLUDED IN THE PRICES BID FOR THE VARIOUS CONTRACT ITEMS.
8. PAYMENT FOR CONNECTING TO EXISTING PIPE OR EXISTING OR NEW STRUCTURES, SHALL BE INCLUDED IN THE PRICES BID FOR THE APPROPRIATE DRAINAGE ITEMS.
9. THE COST OF BULKHEADING, SEALING, ABANDONING, ETC., ANY EXISTING PIPE OR STRUCTURE, AS ORDERED BY THE ENGINEER, SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS CONTRACT DRAINAGE ITEMS.
10. OFFSITE PRECASTING NOTE: THE CONTRACTOR SHALL INFORM THE ENGINEER IN WRITING 48 HOURS IN ADVANCE OF ANY OFFSITE PRECAST CONCRETE OPERATIONS INVOLVING DRAINAGE STRUCTURES, SO THAT ARRANGEMENTS CAN BE MADE TO INSPECT THE PLACEMENT OF STEEL REINFORCING AND CONCRETE DURING OPERATIONS AT THE YARD. THE CONTRACTOR SHALL SUPPLY THE ENGINEER WITH MANUFACTURER'S CERTIFICATIONS ASSERTING THAT ALL MATERIALS USED FOR PRECASTING OPERATIONS COMPLY WITH ALL APPLICABLE SPECIFICATIONS. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY STRUCTURES DELIVERED TO THE JOB SITE SHOULD THE ABOVE REQUIREMENTS BE DISREGARDED BY THE CONTRACTOR.
11. THE CONTRACTOR IS CAUTIONED AGAINST DAMAGING DRAINAGE PIPES DURING CONSTRUCTION. ANY PIPES DAMAGED SHALL BE REMOVED AS ORDERED BY THE ENGINEER AND REPLACED AT THE CONTRACTOR'S EXPENSE.
12. AT ALL APPROACHES TO THE CONSTRUCTION, THE CONTRACTOR SHALL ERECT, MAINTAIN AND REMOVE CONSTRUCTION WARNING DEVICES, A.O.B.E. AND IN ACCORDANCE WITH THE NEW YORK STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AS CURRENTLY REVISED. THE COST SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 102SS–C).
14. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT DUE TO THE NATURE OF THIS PROJECT, THE EXACT EXTENT OF THE WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE DURING THE DESIGN PHASE OF THIS PROJECT. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH THE FIELD CONDITIONS AND AS DIRECTED BY THE ENGINEER.
15. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR (SUCCESSFUL BIDDER) TO COORDINATE THE ACTIVITIES OF ANY SUB–CONTRACTOR, CONTRACTOR, OWNER CONTRACTED TRADESMAN, MUNICIPAL EMPLOYEES, UTILITIES, ETC., INVOLVED IN THE OVERALL SCOPE OF THE PROJECT, AT NO EXTRA COST TO THE OWNER. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE PERFORMANCE OF THE WORK OF ANY SUBCONTRACTOR. ALL SUBCONTRACTORS SHALL BE DEEMED ENGAGED BY THE GENERAL CONTRACTOR AND NOT BY THE OWNER.
16. BECAUSE THE SITE IS CURRENTLY A RESIDENTIAL AREA AND PUBLIC USE AREA (PARKS) THE PROPOSED IMPROVEMENTS ARE TO ENHANCE THE ASPECTS OF THE SITE, THE CONTRACTOR IS NOTIFIED THAT THE GENERAL PUBLIC, SOME OF WHOM MAY BE POTENTIAL VANDALS, WILL BE IN THE AREA AT ANY HOUR. THE CONTRACTOR SHALL PROTECT, AT ALL TIMES, THE PUBLIC AND HIS OWN WORK FROM HARM. THE CONTRACTOR SHALL BEAR ALL RESPONSIBILITY FOR HARM TO THE PUBLIC AND DAMAGE TO HIS OWN EQUIPMENT, TOOLS AND MATERIALS.
17. IF CONSTRUCTION STORAGE YARDS ARE TO BE UTILIZED, THE CONTRACTOR SHALL SUBMIT A COPY OF HIS AGREEMENT WITH THE PROPERTY OWNER. HE SHALL ALSO OBTAIN PRIOR LOCATION APPROVAL FROM THE TOWN TO AVOID VIOLATION OF EXISTING ORDINANCES. THIS APPROVAL WILL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO ADEQUATELY SAFEGUARD THE LOCATION AND PUBLIC FROM HARM. THE CONTRACTOR SHALL BEAR ALL RESPONSIBILITY FOR HARM TO THE PUBLIC AND DAMAGE TO HIS OWN TOOLS, EQUIPMENT AND MATERIALS.
18. THE CONTRACT LIMITS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHOULD BE AWARE THAT THE PLACEMENT OF CONES, SIGNS, AND/OR OTHER MAINTENANCE AND PROTECTION OF TRAFFIC DEVICES THAT ARE NECESSARY, MAY EXTEND BEYOND THESE LIMITS.
19. RESTORATION PAST THE PROPERTY LINE IS TO BE IN KIND AND/OR AS SHOWN ON THE PLANS. THE CONTRACTOR IS TO DO NO WORK ON PRIVATE PROPERTY WITHOUT WRITTEN CONSENT FROM THE PROPERTY OWNER.
20. THE CONTRACTOR SHALL RE–ESTABLISH ALL BENCHMARKS AND BASELINE TIE POINTS AFFECTED BY THE PROPOSED WORK. DESCRIPTIONS OF THESE SHALL BE SUPPLIED TO THE ENGINEER.
21. RELOCATION AND ADJUSTMENT OF WATER, GAS, ELECTRIC AND CABLE UTILITIES, WHERE NECESSARY, WILL BE PERFORMED BY OTHERS. THE CONTRACTOR WILL COORDINATE THE RELOCATION WORK AT NO ADDITIONAL COST TO THE OWNER.
22. IF REQUIRED, ADJUSTMENTS IN ELEVATION OF ANY WATER, GAS OR ELECTRIC UTILITY VALVE BOXES AND/OR METERS WILL BE PERFORMED BY THE CONTRACTOR IN COORDINATION WITH THE OWNING UTILITY. COST TO BE INCLUDED IN THE PRICE BID FOR THE VARIOUS CONTRACT ITEMS.
23. THE CONTRACTOR IS ADVISED THAT THE TOWN OF HEMPSTEAD HAS OBTAINED VARIOUS PERMITS REQUIRED FOR THE WORK COVERED UNDER THIS PROJECT. THE CONTRACTOR SHALL COMPLY AND FOLLOW ALL GENERAL CONDITIONS, ADDITIONAL GENERAL CONDITIONS, PERMITEE OBLIGATIONS, SPECIAL CONDITIONS, AND OTHER REQUIREMNETS INCLUDED IN THE PERMIT(S), AND THE PROJECTS STORMWATER POLLUTION PREVENTION PLAN (SWPPP). THE CONTRACTOR SHALL POST ALL REQUIRED "ON SITE" NOTICES AND NOTIFICATIONS AS REQUIRED BY THE PERMIT(S) AND NOTIFY THE APPROPRIATE GOVERNING AGENCY AS REQUIRED. THE COST OF ALL WORK AND REQUIREMENTS REQUIRED UNDER THE PERMIT SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS CONTRACT ITEMS UNLESS OTHERWISE NOTED.
24. ALL DEBRIS INCLUDING ALL CONCRETE RUBBLE IN PROJECT AREA SHALL BE REMOVED FROM SITE AND LEGALLY DISPOSED OF. COSTS TO BE INCLUDED IN LUMP SUM PRICE.
25. CONSTRUCTION SHALL BE RESTRICTED TO ONE SIDE OF ANY STREET OR INTERSECTION UNTIL THAT SIDE IS COMPLETED AND OPENED TO ALL TRAFFIC.
26. NO SIDEWALK SHALL BE REMOVED WITHIN ANY ONE BLOCK UNTIL COMPLETION OF NEW CURB CONSTRUCTION FOR THAT BLOCK. THE ENGINEER WILL THEN ESTABLISH REMOVAL LIMITS.
27. ALL DRIVEWAY APRONS ARE TO BE CONCRETE EXCEPT AS NOTED ON THE PLANS OR AS ORDERED BY THE ENGINEER.
28. PEDESTRIAN RAMPS SHALL BE INSTALLED AS SHOWN ON THE PLANS OR A.O.B.E. RAMPS SHALL BE CONSTRUCTED TO MEET LATEST FEDERAL REQUIREMENTS.
29. CONTRACTOR MUST NOTIFY NASSAU COUNTY DIVISION OF SANITATION (571–7502) TWO WORKING DAYS PRIOR TO ANY WORK INVOLVING SANITATION SEWER FACILITIES. WORK INVOLVING SANITARY SEWER FACILITIES MUST BE DONE IN THE PRESENCE OF A NASSAU COUNTY SEWER INSPECTOR. SEWER FLOW MUST BE MAINTAINED DURING CONSTRUCTION. COST TO BE INCLUDED IN ALL ITEMS OF CONTRACT.
30. ALL CORNER RADII TO BE 10' UNLESS OTHERWISE SHOWN ON THE PLANS OR A.O.B.E.
31. TWO PROJECT SIGNS ARE TO BE PLACED IN THE PROJECT AREA ACCORDING TO THE SPECIFICATIONS. COST TO BE INCLUDED IN VARIOUS CONTRACT ITEMS.
32. THE CONTRACTOR SHALL MAINTAIN ALL SIGNS IN THE PROJECT AREA FOR THE DURATION OF THE PROJECT. REGULATORY SIGNS MUST BE IN PLACE AT ALL TIMES. ALL SIGNS PLACED IN CONCRETE SIDEWALK MUST BE SET IN A 4" PVC SLEEVE.
33. ALL EXISTING THRU–CURB APPURTENANCES SHALL BE MAINTAINED AND RESTORED BY THE CONTRACTOR. COST TO BE INCLUDED IN VARIOUS ITEMS.
34. AT ALL APPROACHES TO THE CONSTRUCTION AREA, THE CONTRACTOR SHALL ERECT, MAINTAIN, AND REMOVE CONSTRUCTION WARNING DEVICES, A.O.B.E. AND IN ACCORDANCE WITH MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AS CURRENTLY REVISED. THE COST SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 102SS–C.

UTILITY NOTES:

1. THE LOCATIONS AND SIZES OF EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND ARE NOT GUARANTEED. THE CONTRACTOR IS FOREWARNED TO ASCERTAIN AND DETERMINE THE PRECISE LOCATIONS PREPARATORY TO EXCAVATION. "ONE CALL CENTER" TELEPHONE NUMBER IS 1–800–272–4480.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT THE CONTRACT OPERATIONS AND TAKE THE NECESSARY PRECAUTIONS TO PREVENT INTERFERENCE WITH OR DAMAGE TO UTILITIES DURING THE COURSE OF CONSTRUCTION. IN THE EVENT THE CONTRACTOR DAMAGES AN EXISTING UTILITY SERVICE RESULTING IN AN INTERRUPTION TO SAID SERVICE, HE SHALL IMMEDIATELY ARRANGE FOR SERVICE TO BE RESTORED AT HIS OWN EXPENSE.
3. SHOULD UTILITIES BE ENCOUNTERED DURING THE CONSTRUCTION WHICH INTERFERE WITH THE WORK AND FOR WHICH PROVISIONS ARE NOT PROVIDED ON THE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF THE EXISTENCE OF THE UTILITIES AND OF THE EXTENT OF CONFLICT WITH THE WORK. THE CONTRACTOR, IN CONSULTATION WITH THE ENGINEER, SHALL MAKE ARRANGEMENTS WITH THE OWNING UTILITY COMPANY TO MODIFY ITS FACILITY IN ORDER TO ALLOW THE WORK TO PROGRESS.

DRAWING INDEX

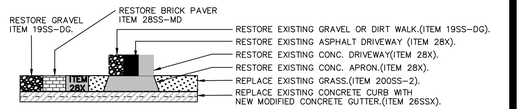
SHEET #	DWG. #	SHEET TITLE
1	–	COVER SHEET
2	G101	LEGENDS, ABBREVIATIONS, NOTES, DRAWING INDEX AND DRAWING INDEX DIAGRAM
3	C201	COMPREHENSIVE DRAINAGE PLAN AND DRAINAGE TABLE
4	V301	SURVEY CONTROL PLAN 1 OF 2
5	V302	SURVEY CONTROL PLAN 2 OF 2
6	C701	EXISTING SIGNAGE PLAN
7	C301	PLAIN & PROFILE – WEST BOULEVARD STA. 1+00 THRU 7+0
8	C302	PLAIN & PROFILE – WEST BOULEVARD STA 7+00 THRU 12+75
9	C303	PLAIN & PROFILE – WEST BOULEVARD STA. 12+75 THRU 18+50
10	C304	PLAIN & PROFILE – WEST BOULEVARD STA. 18+50 THRU 24+50
11	C305	PLAIN & PROFILE – WEST BOULEVARD STA. 24+50 THRU 27+94
12	C306	PLAIN & PROFILE – EAST BOULEVARD STA. 1+00 THRU 7+25
13	C307	PLAIN & PROFILE – EAST BOULEVARD STA. 7+25 THRU 13+50
14	C308	PLAIN & PROFILE – EAST BOULEVARD STA. 13+50 THRU 19+75
15	C309	PLAIN & PROFILE – EAST BOULEVARD STA. 19+75 THRU 25+69
16	C310	PLAIN & PROFILE – COOKE ST. W. STA. 0+76 THRU 3+50/DEWEY ST. W. STA. 0+90 THRU 3+40
17	C311	PLAIN & PROFILE – SAMPSON ST. W. STA. 0+85 THRU 3+25/SPERRY ST. W. STA. 0+90 THRU 3+40
18	C312	PLAIN & PROFILE – EVANS ST. W. STA. 0+92 THRU 3+00/HUDSON ST. W. STA. 0+88 THRU 2+88
19	C313	PLAIN & PROFILE – FULTON ST. W. STA. 0+75 THRU 2+75/MARTIN ST. W. STA. 0+90 THRU 2+65
20	C314	PLAIN & PROFILE – COURT ST. W. STA. 0+95 THRU 2+55/COOKE ST. E. STA. 1+00 THRU 3+75
21	C315	PLAIN & PROFILE – NORTH BOULEVARD STA. 1+00 THRU 7+00 – 1 OF 2
22	C316	PLAIN & PROFILE – NORTH BOULEVARD STA. 7+00 THRU 8+25 – 2 OF 2
23	C601	BIORETENTION WEST BOULEVARD AT EVANS STREET EAST
24	C602	BIORETENTION WEST BOULEVARD AT COURT STREET EAST
25	C603	BIORETENTION WEST BOULEVARD

DRAWING INDEX

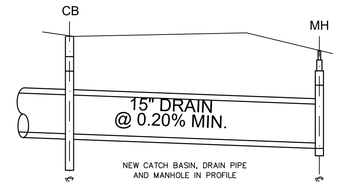
SHEET #	DWG. #	SHEET TITLE
26	C901	MISCELLANEOUS DETAILS
27	C902	MISCELLANEOUS DETAILS
28	C903	MISCELLANEOUS DETAILS
29	C904	MISCELLANEOUS DETAILS
30	C905	MISCELLANEOUS DETAILS
31	C906	MISCELLANEOUS DETAILS
32	C907	MISCELLANEOUS DETAILS
33	C908	STRUCTURE TABLES
34	E201	FLAG POLE LIGHTING PLAN

LEGEND

- MH CB — DEMOLISH EXISTING DRAINAGE STRUCTURES.(ITEM 4BX).
- MH, CB, 15" DRAIN — PROVIDE NEW CATCH BASIN (ITEM 13AX), MANHOLE (ITEM 13BX) AND STORM DRAIN PIPE (ITEM 12AX, 12HDPE, ETC.). SEE PLAN AND PROFILE DRAWINGS FOR TYPES AND SIZES.
- ALTER EXISTING CATCH BASIN TOP SLAB.(ITEM 15X). CONTINUE CONCRETE GUTTER IN FRONT OF CATCH BASIN.(ITEM 26SS).
- S — ADJUST EXISTING SANITARY MANHOLE TO GRADE.(ITEMS 16SS–1 OR 16SS–2).
- D — ADJUST EXISTING DRAINAGE MANHOLE TO GRADE.(ITEMS 16SS–3 OR 16SS–4).
- BULKHEAD EXISTING DRAIN PIPE.(ITEM 18SS–2). DEMOLISH EXISTING CATCH BASIN.(ITEM 4BX).
- CONNECT NEW DRAIN PIPE TO EXISTING STRUCTURE.(ITEM 14X).
- CONNECT NEW MANHOLE TO EXISTING DRAIN PIPE.(ITEM 14X).
- CONNECT NEW DRAIN PIPE TO EXISTING DRAIN PIPE.(ITEM 312–FPC).
- PROVIDE NEW CONCRETE BOTTOM SLAB IN EXISTING CATCH BASIN.(ITEM 18X).
- 27, 28SS — PROVIDE NEW CONCRETE RAMP AT CORNER.(ITEM 28SS). PROVIDE NEW CONCRETE RAMP AT MID BLOCK.(ITEM 27). REPLACE EXISTING CONCRETE WALK.(ITEM 27). REPLACE EXISTING CONCRETE CURB.(ITEM 26C).
- 27, 28SS, 27 — REPLACE EXISTING CONCRETE WALK TO LIMITS SHOWN.(ITEM 27). REPLACE EXISTING CONCRETE DRIVE TO LIMITS SHOWN.(ITEM 28SS). PROVIDE CONCRETE SAWCUT WHERE REQUIRED A.O.B.E.(ITEM 58SS–1).

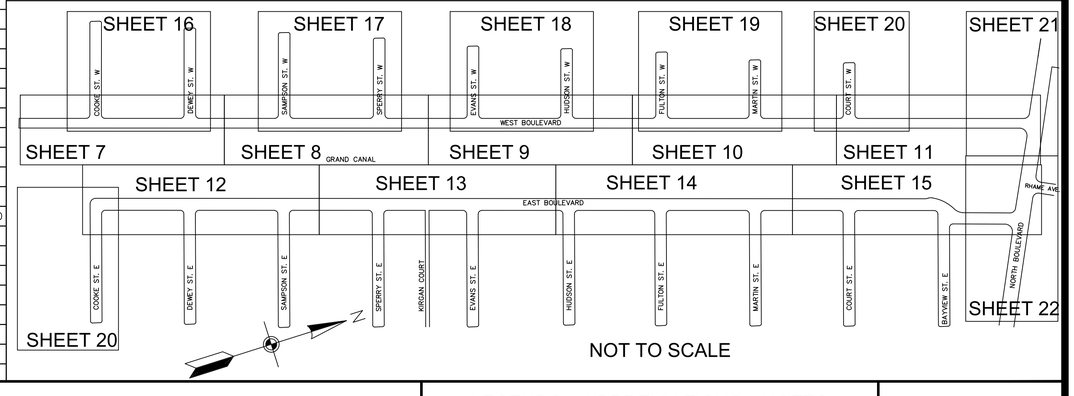


- M — REPLACE EXISTING CONCRETE CURB.(ITEM 26C). RESTORE EXISTING ASPHALT DRIVE.(ITEM 36SS). RESTORE EXISTING DRIVEWAY CURB.(ITEM 26SSX–MSC, OR 26SS–SC).
- 29X — REPLACE EXISTING CONCRETE CURB.(ITEM 26C). RESTORE EXISTING GRAVEL OR DIRT DRIVE.(ITEM 29X).
- REPLACE EXISTING CONCRETE CURB.(ITEM 26C). RESTORE EXISTING MASONRY WALK.(ITEM 27SS–MW).



NEW CATCH BASIN, DRAIN PIPE AND MANHOLE IN PROFILE

DRAWING INDEX DIAGRAM



NOT TO SCALE

NO.	DATE	REVISIONS
1	3–9–20	REVISED AS PER TOWN COMMENTS
2	5–5–20	REVISED AS PER TOWN COMMENTS

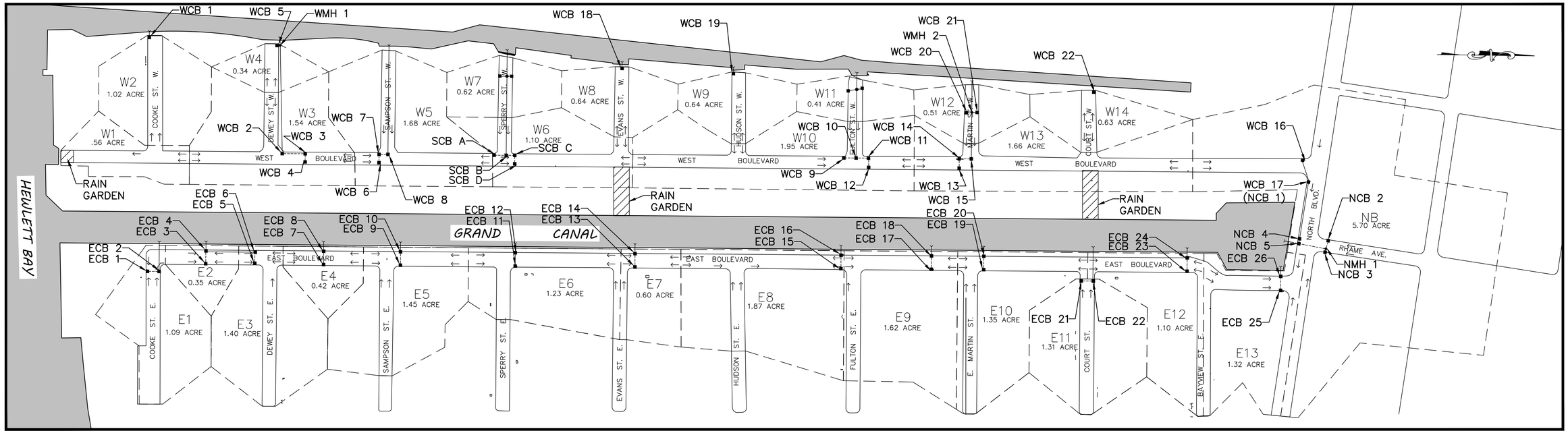
In Charge: –	J.A.G.
Compilation:–	
Design: –	V.L.
Drawn: –	R.J.W
Checked: –	J.A.G.
Reviewed: –	

TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644
Department of Engineering

LEGENDS, ABBREVIATIONS, NOTES DRAWING INDEX AND DRAWING INDEX DIAGRAM

G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

Scale:	
Date:	APRIL 2020
File No.:	18033.100
Dwg No.:	G101
Sheet No.:	2 of 34



NOT TO SCALE

Storm Drain Analysis

East Boulevard / West Boulevard - Project

Town of Hempstead

Job #:

Date: 1/28/2020

Computed By: VLY
Checked By:
Approved By:

Drainage Area	Location From	Location To	Hydrology: Contributary Area (Acre)	Intensity (in/hr)	Run-Off Coefficient	Runoff (cfs)	Impervious Volume Precipitation - 5" (cuft)	Pervious Volume Precipitation - 5" (cuft)	Volume of Contributary Area (cuft)	Hydraulics: Surface Elevation Upper End	Surface Elevation Lower End	Cover (ft) Upper End	Cover (ft) Lower End	Invert Elevation Upper End	Invert Elevation Lower End	Fall (ft)	Length (ft)	Slope %	Pipe Diameter (in)	1.486/.015	a	s	r	Pipe Capacity (cfs)	Full Flow Velocity (fps)	Actual Velocity (fps)	Remarks
W1	Surface	CANAL	0.56	2.50	0.58	0.81	5489.00	1016.48	6,505																		The existing runoff is drained from conc. gutter to canal
W2	CB	CANAL	1.02	2.50	0.58	1.48	9997.82	1851.45	11,849	4.76	5.16	2.26	3.28	0.50	-0.12	0.62	12.00	5.167	24	99.07	3.14	0.05	0.50	44.57	14.19	0.47	
W3+W4	CB	CANAL	1.88	2.50	0.58	2.73	18427.35	3412.47	21,840	5.25	5.15	2.50	3.83	1.50	0.07	1.43	238.50	0.600	15	99.07	1.23	0.01	0.31	4.34	3.53	2.22	
W5	CB	CANAL	1.68	2.50	0.58	2.44	16467.00	3049.44	19,516	5.36	6.20	1.98	3.34	2.13	1.61	0.52	230.00	0.226	15	99.07	1.23	0.00	0.31	2.66	2.17	1.99	
W6	CB	CANAL	1.10	2.50	0.58	1.60	10781.96	1996.66	12,779	4.86	5.05	1.45	4.08	2.16	-0.28	2.44	171.00	1.427	15	99.07	1.23	0.01	0.31	6.69	5.45	1.30	Existing condition to remain
W7	CB	CANAL	0.62	2.50	0.58	0.90	6077.11	1125.39	7,202	4.50	4.80	1.00	3.70	2.25	-0.15	2.40	158.00	1.519	15	99.07	1.23	0.02	0.31	6.90	5.62	0.73	Existing condition to remain
W8	CB	CANAL	0.64	2.50	0.58	0.93	6273.14	1161.69	7,435	5.70	5.61	2.50	3.36	1.95	1.00	0.95	12.00	7.917	15	99.07	1.23	0.08	0.31	15.75	12.84	0.76	
W9	CB	CANAL	0.64	2.50	0.58	0.93	6273.14	1161.69	7,435	4.28	4.25	2.03	2.50	1.00	0.50	0.50	10.00	5.000	15	99.07	1.23	0.05	0.31	12.52	10.20	0.76	
W10	CB	CANAL	1.95	2.50	0.58	2.83	19113.48	3539.53	22,653	4.91	5.19	2.41	3.14	1.25	0.80	0.45	158.00	0.285	15	99.07	1.23	0.00	0.31	2.99	2.43	2.30	
W11	CB	CANAL	0.41	2.50	0.58	0.59	4018.73	744.21	4,763	4.50	4.80	1.00	3.70	2.25	-0.15	2.40	158.00	1.519	15	99.07	1.23	0.02	0.31	6.90	5.62	0.48	
W12+W13	CB	CANAL	2.17	2.50	0.58	3.15	21269.87	3938.87	25,209	5.10	4.85	3.10	3.23	0.75	0.37	0.38	70.00	0.543	15	99.07	1.23	0.01	0.31	4.12	3.36	2.56	
W14	CB	CANAL	0.63	2.50	0.58	0.91	6175.12	1143.54	7,319	5.38	5.62	2.04	2.47	2.09	1.90	0.19	12.00	1.583	15	99.07	1.23	0.02	0.31	7.04	5.74	0.74	
NB	CB	CANAL	5.70	2.50	0.58	8.27	55870.17	10346.33	66,216	4.85	4.63	3.94	4.22	-2.09	-2.59	0.50	80.00	0.625	36	99.07	7.07	0.01	0.75	45.70	6.47	1.17	Existing 36" invert at the outfall to be verified
E13	CB	CANAL	1.32	2.50	0.58	1.91	12938.35	2395.99	15,334	5.08	5.29	2.20	4.27	1.63	-0.23	1.86	14.00	13.286	15	99.07	1.23	0.13	0.31	20.41	16.63	1.56	
E12	CB	CANAL	1.10	2.50	0.58	1.60	10781.96	1996.66	12,779	5.41	6.10	2.20	5.00	1.96	-0.15	2.11	14.00	15.071	15	99.07	1.23	0.15	0.31	21.73	17.71	1.30	
E11	CB	CANAL	1.31	2.50	0.58	1.90	12840.34	2377.84	15,218	5.48	6.20	1.80	3.95	2.43	1.00	1.43	62.00	2.306	15	99.07	1.23	0.02	0.31	8.50	6.93	1.55	
E10	CB	CANAL	1.35	2.50	0.58	1.96	13232.41	2450.45	15,683	5.38	4.35	2.20	4.22	1.93	-1.12	3.05	14.00	21.786	15	99.07	1.23	0.22	0.31	26.13	21.29	1.60	
E9	CB	CANAL	1.62	2.50	0.58	2.35	15878.89	2940.54	18,819	5.33	5.57	2.20	4.26	1.88	0.06	1.82	14.00	13.000	15	99.07	1.23	0.13	0.31	20.19	16.45	1.91	
E8	CB	CANAL	1.87	2.50	0.58	2.71	18329.34	3394.32	21,724	5.32	5.63	2.17	4.23	1.90	0.15	1.75	14.00	12.500	15	99.07	1.23	0.13	0.31	19.79	16.13	2.21	
E7	CB	CANAL	0.60	2.50	0.58	0.87	5881.07	1089.09	6,970	5.64	5.65	2.26	4.23	2.13	0.17	1.96	14.00	14.000	15	99.07	1.23	0.14	0.31	20.95	17.07	0.71	
E6	CB	CANAL	1.23	2.50	0.58	1.78	12056.19	2232.63	14,289	5.16	5.39	1.50	2.50	2.41	1.64	0.77	14.00	5.500	15	99.07	1.23	0.06	0.31	13.13	10.70	1.45	
E5	CB	CANAL	1.45	2.50	0.58	2.10	14212.59	2631.96	16,845	5.04	5.12	2.20	2.99	1.59	0.88	0.71	14.00	5.071	15	99.07	1.23	0.05	0.31	12.61	10.27	1.71	
E4	CB	CANAL	0.42	2.50	0.58	0.61	4116.75	762.36	4,879	5.01	6.80	2.10	4.50	1.66	1.05	0.61	14.00	4.357	15	99.07	1.23	0.04	0.31	11.69	9.52	0.50	
E2+E3	CB	CANAL	1.75	2.50	0.58	2.54	17153.12	3176.50	20,330	5.07	6.75	2.10	4.67	1.72	0.83	0.89	14.00	6.357	15	99.07	1.23	0.06	0.31	14.12	11.50	2.07	
E1	CB	CANAL	1.09	2.50	0.58	1.58	10683.94	1978.51	12,662	5.10	6.80	2.20	4.55	1.65	1.00	0.65	57.00	1.140	15	99.0667	1.23	0.01	0.31	5.98	4.87	1.29	

Rational Method : Qr = ciA

Pipe Discharge : Qp = ((1.49/n) x R^2/3 x S^1/2) x a

Pipe Velocity (full flow): Vp = Qp/a

2.91 Surface Discharge (cfs)

6,178 Surface Runoff Volume (cuft)

15.75 Pipe Discharged Capacity Above Surface Discharged Capacity

Existing Pipe Discharged Capacity Under Surface Discharged Capacity

_ Design Rainfall Frequency for Minor Road: 10 year storm (Standard Handbook Environmental Engineering)

_ Average Pervious Area (Calculated from Aerial Photo) : 40% (TOH - Design Criteria)

_ Average Impervious Area (Calculated from Aerial Photo) : 60% (TOH - Design Criteria)

_ Runoff Coefficient: 0.2 (landscaped and grass areas), 0.9 (pavement & concrete)

c = ((0.20 x Pervious Area) + (0.90 x Impervious Area))/ Total Area

i = 2.5"/hour (TOH - Design Criteria)

A = contributary area in acres

_ R = hydraulic radius (assumed flow in full)

_ S = slope of energy grade line

_ a = the cross-section area of the flow

_ n = Manning's coefficient of roughness

Pipe Velocity (actual flow): Vp = Qr/a

NO.	DATE	REVISIONS
1	3-9-20	REVISED AS PER TOWN COMMENTS
2	5-5-20	REVISED AS PER TOWN COMMENTS

In Charge:	–	J.A.G.
Compilation:	–	
Design:	–	V.L.
Drawn:	–	R.J.W
Checked:	–	J.A.G.
Reviewed:	–	

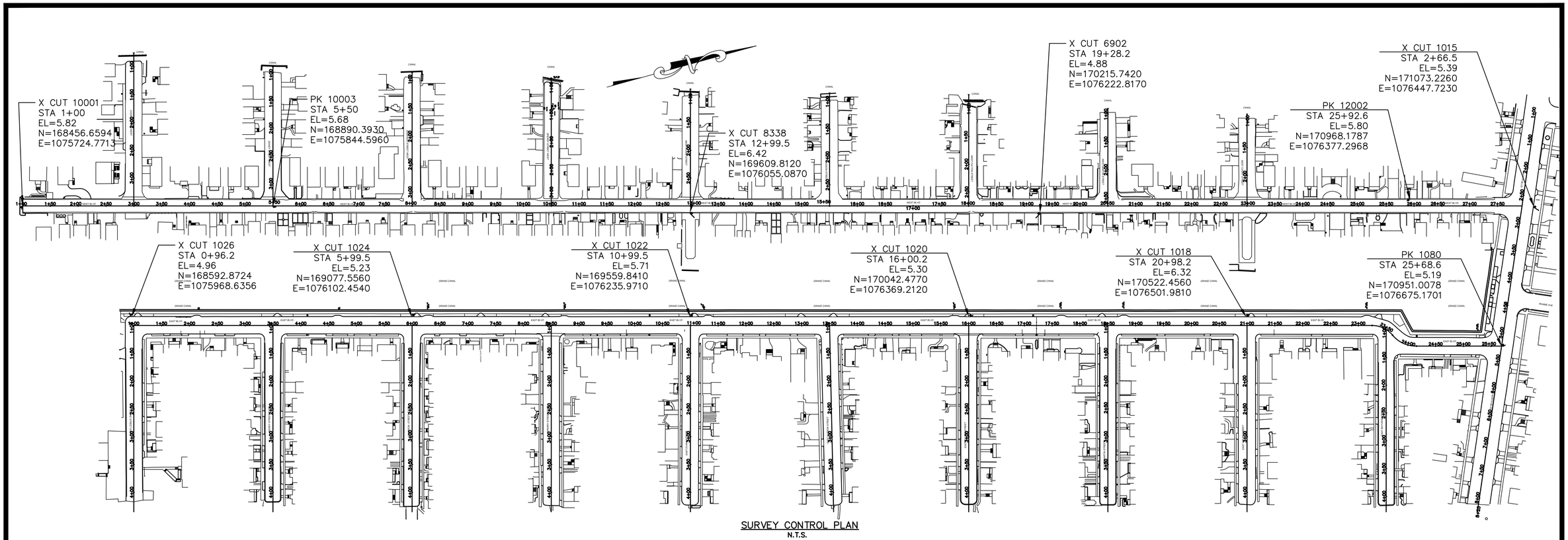
TOWN OF HEMPSTEAD N.Y. FOUNDED 1644

Department of Engineering

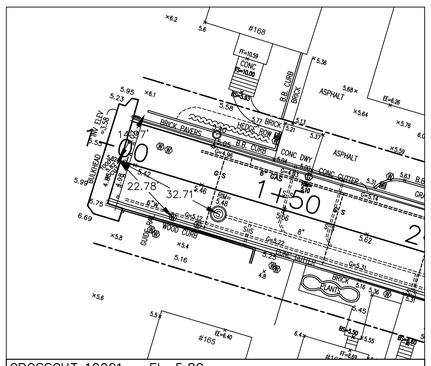
COMPREHENSIVE DRAINAGE PLAN

G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

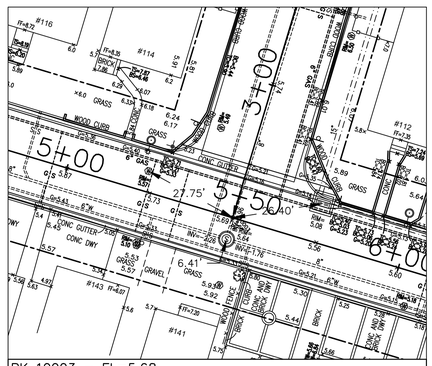
Scale: AS NOTED
Date: APRIL 2020
File No.: 18033.100
Dwg No.: C201
Sheet No.: 3 of 34



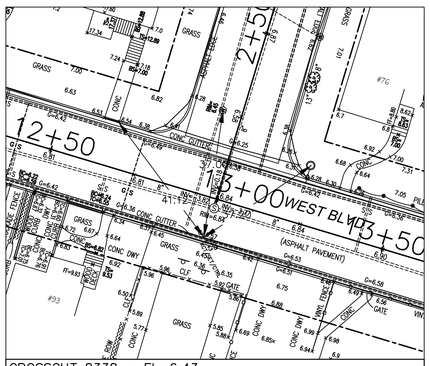
SURVEY CONTROL PLAN
N.T.S.



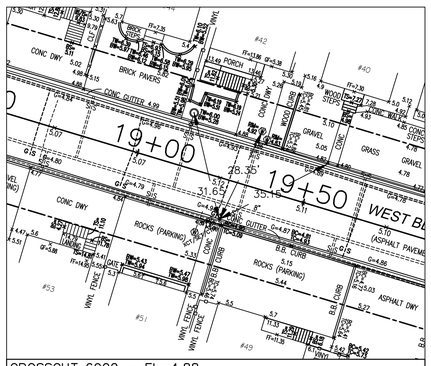
CROSSCUT 10001 – EL=5.82
LOCATION: WEST BLVD. STA 1+00
OFFSET: L 0.00'
SCALE 1:20



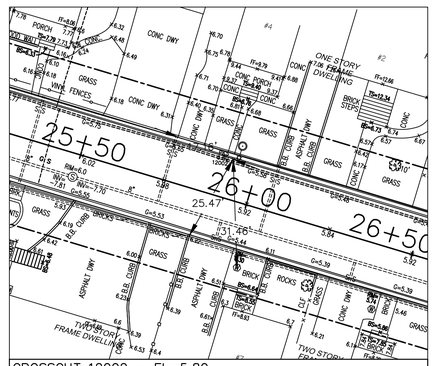
PK 10003 – EL=5.68
LOCATION: WEST BLVD. STA 5+50
OFFSET: R 0.02'
SCALE 1:20



CROSSCUT 8338 – EL=6.43
LOCATION: WEST BLVD. STA 12+99.7
OFFSET: R 11.32'
SCALE 1:20



CROSSCUT 6902 – EL=4.88
LOCATION: WEST BLVD. STA 19+28.19
OFFSET: R 11.74'
SCALE 1:20



CROSSCUT 12002 – EL=5.80
LOCATION: WEST BLVD. STA 25+92.61
OFFSET: L 11.52'
SCALE 1:20

NO.	DATE	REVISIONS
1	3-9-20	REVISED AS PER TOWN COMMENTS
2	5-5-20	REVISED AS PER TOWN COMMENTS

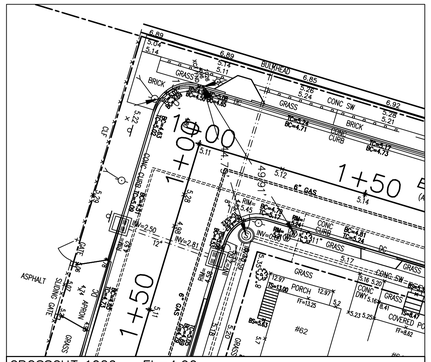
In Charge: –	J.A.G.
Compilation:–	
Design: –	V.L.
Drawn: –	R.J.W
Checked: –	J.A.G.
Reviewed: –	

TOWN OF HEMPSTEAD, N.Y.
FOUNDED 1644
Department of Engineering

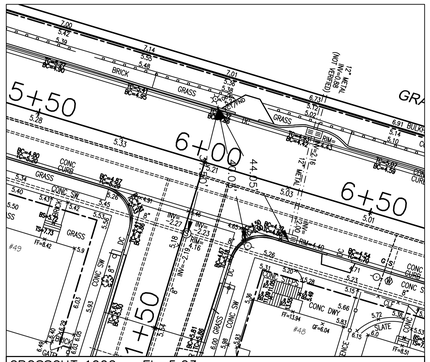
SURVEY CONTROL
EAST & WEST BLVD

G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

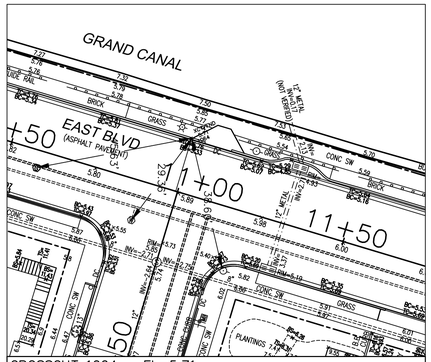
Scale:	AS NOTED
Date:	APRIL 2020
File No.:	18033.100
Dwg No.:	V301
Sheet No.:	4 of 34



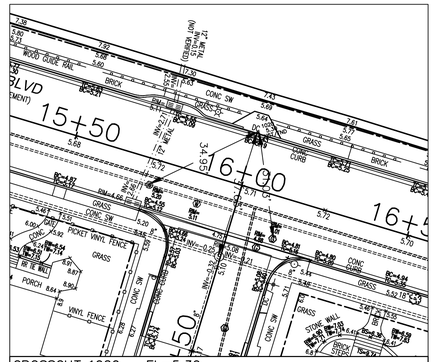
CROSSCUT 1026 – EL=4.96
LOCATION: EAST BLVD. STA 0+96.25
OFFSET: L 16.21'
SCALE 1:20



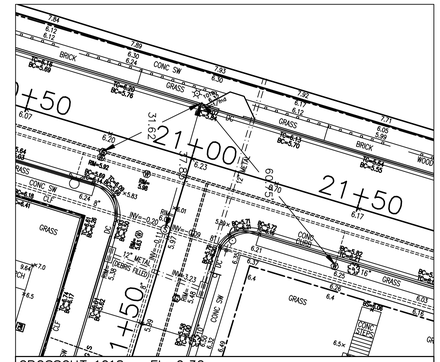
CROSSCUT 1062 – EL=5.23
LOCATION: EAST BLVD. STA 5+99.04
OFFSET: L 16.25'
SCALE 1:20



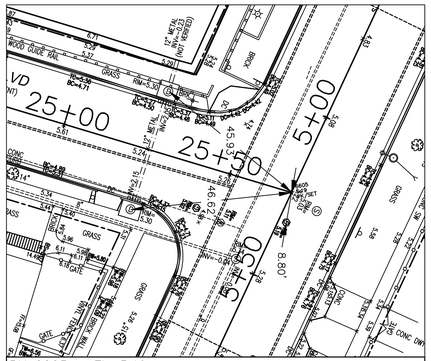
CROSSCUT 1064 – EL=5.71
LOCATION: EAST BLVD. STA 10+99.47
OFFSET: L 15.96'
SCALE 1:20



CROSSCUT 1020 – EL=5.30
LOCATION: EAST BLVD. STA 16+00.16
OFFSET: L 16.02'
SCALE 1:20



CROSSCUT 1018 – EL=6.32
LOCATION: EAST BLVD. STA 21+98.16
OFFSET: L 15.83'
SCALE 1:20



PK 6605 – EL=5.19
LOCATION: EAST BLVD. STA 25+68.56
OFFSET: L 0.00'
SCALE 1:20

NO.	DATE	REVISIONS
1	3-9-20	REVISED AS PER TOWN COMMENTS
2	5-5-20	REVISED AS PER TOWN COMMENTS

In Charge: –	J.A.G.
Compilation:–	
Design: –	V.L.
Drawn: –	R.J.W
Checked: –	J.A.G.
Reviewed: –	

TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644
Department of Engineering

SURVEY CONTROL
EAST & WEST BLVD
G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

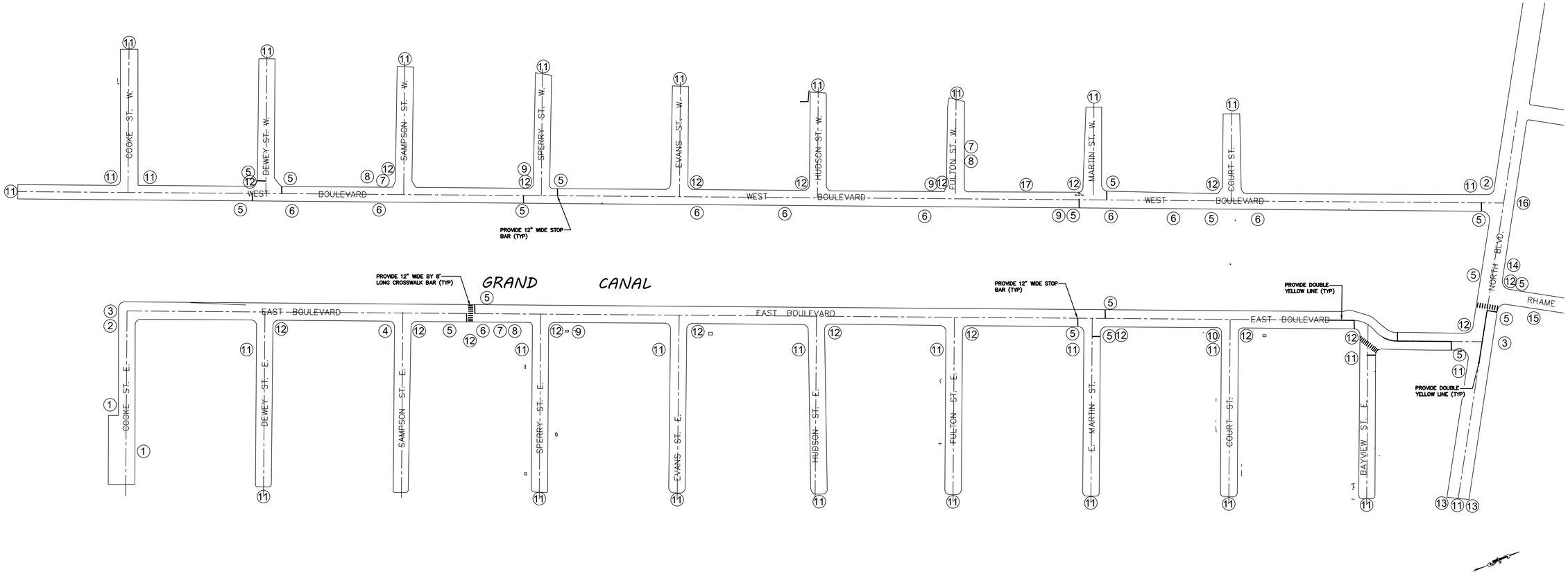
Scale: AS NOTED
Date: APRIL 2020
File No.: 18033.100
Dwg No.: V302
Sheet No.: 5 of 34

SIGN LEGEND

1- NO PARKING 2PM–6AM
2- NO OUTLET
3-
4- AHEAD
5- STOP
6- NO STOPPING ANYTIME
7- HANDICAPPED PERMIT REQUIRED
8- HANDICAPPED PERMIT REQUIRED
9- SPEED LIMIT 30
10- SPEED LIMIT 15
11- DEAD END
12- STREET NAME
13- NO PARKING ANYTIME
14- NO STOPPING ANYTIME
15- NEIGHBORHOOD WATCH COMMUNITY
16-
17- CHILDREN AT PLAY

SIGN NOTES:

1. ALL SIGNS SHOWN ARE EXISTING.
2. NOT ALL EXISTING SIGNS ARE SHOWN. EXISTING SIGNS LOCATED BEYOND THE PROPOSED WORK LIMITS ARE NOT SHOWN OR INDICATED.
3. THE CONTRACTOR SHALL REMOVE, STORE, PROTECT, MAINTAIN AND RESET ALL EXISTING SIGNS AND POSTS AS REQUIRED TO PROVIDE THE NEW WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
4. SIGNS BANDED INTO UTILITY POLES SHALL BE INSTALLED 7'–0" ABOVE NEW TOP OF GUTTER ELEVATION.
5. ALL STRIPING SHOWN IS PROPOSED.
   ITEM 210SS–2



NO.	DATE	REVISIONS
1	3–9–20	REVISED AS PER TOWN COMMENTS
2	5–5–20	REVISED AS PER TOWN COMMENTS

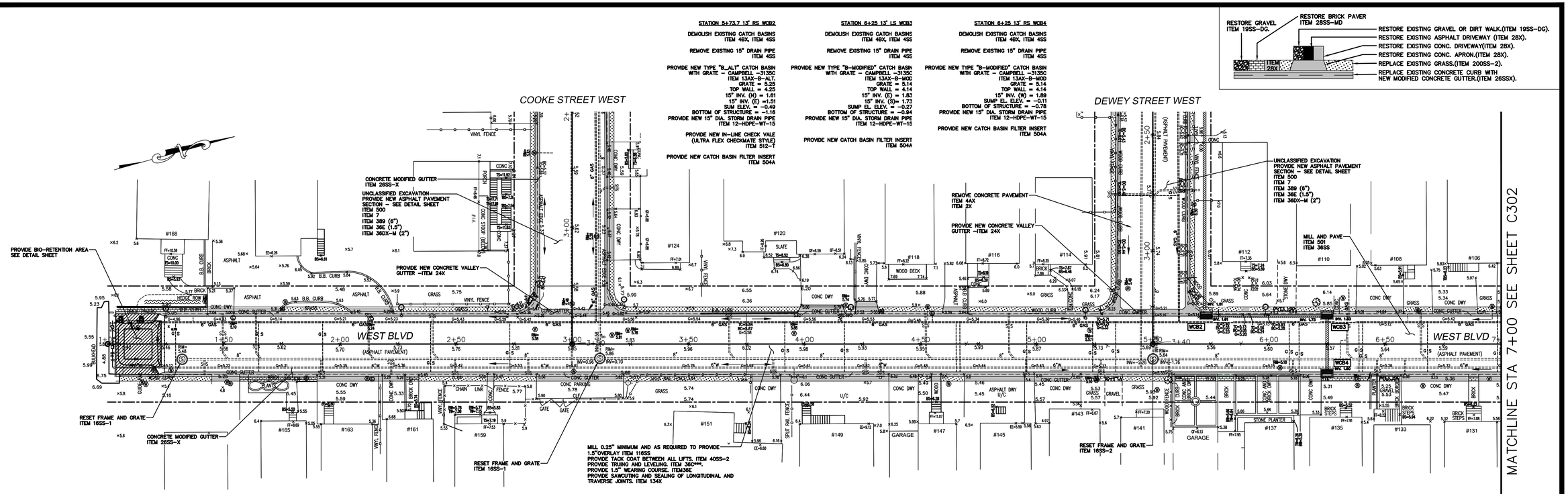
In Charge: –	J.A.G.
Compilation:–	
Design: –	V.L.
Drawn: –	R.J.W
Checked: –	J.A.G.
Reviewed: –	

TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644
Department of Engineering

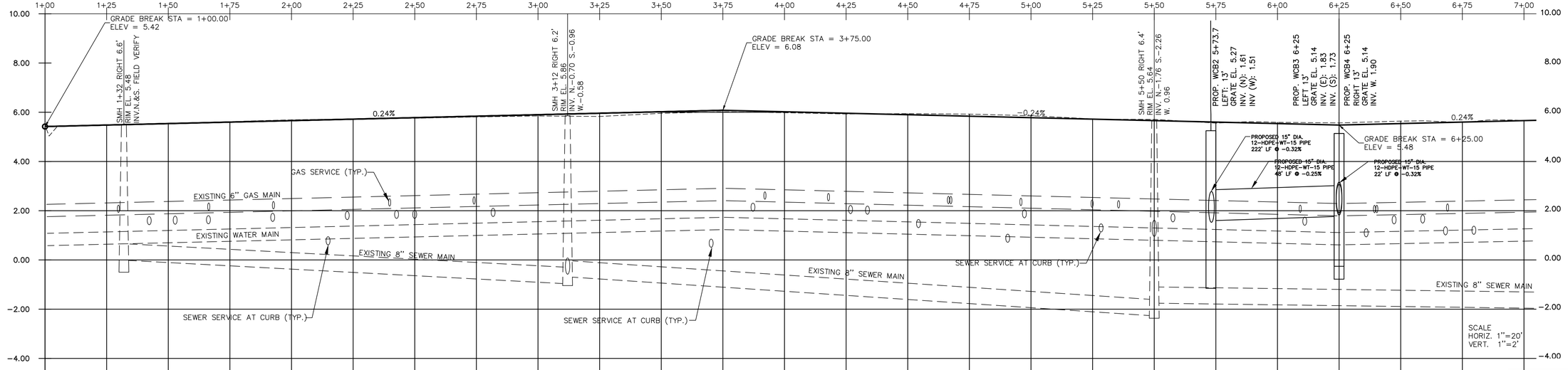
EXISTING SIGN PLAN

G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

Scale:
Date: APRIL 2020
File No.: 18033.100
Dwg No.: C701
Sheet No.: 6 of 34



TG L	5.16	5.22	5.28	5.34	5.40	5.46	5.52	5.58	[illegible]	5.70	5.76	5.82	5.76	5.70	5.64	5.58	5.52	5.46	[illegible]	5.34	5.28	5.25	5.28	5.34	5.40
BG L	5.08	5.14	5.20	5.26	5.32	5.38	5.44	5.50	5.56	5.62	5.68	5.74	5.68	5.62	5.56	5.50	5.44	5.38	5.32	5.26	5.20	5.14	5.20	5.26	5.32
MID L	5.26	5.32	5.38	5.44	5.50	5.56	5.62	5.68	5.74	5.80	5.86	5.92	5.86	5.80	5.74	5.68	5.62	5.56	5.50	5.44	5.38	5.32	5.38	5.44	5.50
CL	5.42	5.48	5.54	5.60	5.66	5.72	5.78	5.84	5.90	5.96	6.02	6.08	6.02	5.96	5.90	5.84	5.78	5.72	5.66	5.60	5.54	5.48	5.54	5.60	5.66
MID R	5.26	5.32	5.38	5.44	5.50	5.56	5.62	5.68	5.74	5.80	5.86	5.92	5.86	5.80	5.74	5.68	5.62	5.56	5.50	5.44	5.38	5.32	5.38	5.44	5.50
BG R	5.08	5.14	5.20	5.26	5.32	5.38	5.44	5.50	5.56	5.62	5.68	5.74	5.68	5.62	5.56	5.50	5.44	5.38	5.32	5.26	5.20	5.14	5.20	5.26	5.32
TG R	5.16	5.22	5.28	5.34	5.40	5.46	5.59	5.61	5.69	5.75	5.76	5.82	[illegible]	5.70	5.64	5.58	5.52	5.46	5.59	5.34	5.28	5.22	5.28	5.34	5.45



NO.	DATE	REVISIONS
1	3–9–20	REVISED AS PER TOWN COMMENTS
2	5–5–20	REVISED AS PER TOWN COMMENTS

In Charge:	–	J.A.G.
Compilation:	–	
Design:	–	V.L.
Drawn:	–	R.J.W
Checked:	–	J.A.G.
Reviewed:	–	

PLAN AND PROFILE NOTES:

1. EXISTING CONDITIONS SHOWN AS OF AUGUST 2018
2. UNDERGROUND UTILITIES SHOWN ARE BASED UPON LIMITED SCHEMATIC INFORMATION PROVIDED BY OTHERS. NOT ALL EXISTING UNDERGROUND UTILITY BRANCHES AND SERVICES ARE SHOWN. PRIVATE UTILITIES, IF EXISTING, ARE NOT SHOWN OR INDICATED
3. NEW CENTERLINE AND EXISTING CENTERLINE OF ROADWAY SHOWN IN PROFILE.
4. NEW CROSS SECTION OF ROADWAY SHALL BE PARABOLIC IN SHAPE EXCEPT WHEN WARPING TO MEET VALLEY GUTTERS AND WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT. NEW CROWN SHALL BE LOCATED AT CENTERLINE OF ROADWAY.
5. HORIZONTAL AND VERTICAL CONTROL DATUM IS IN NASSAU COUNTY DATUM. HORIZONTAL CONTROL NORTH AMERICAN DATUM OF 1983 (NAD83), NEW YORK STATE VERTICAL CONTROL INDICATED IS NGVD (1929), US SURVEY FEET.

TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644
Department of Engineering

PROFILE GRADE LEGEND

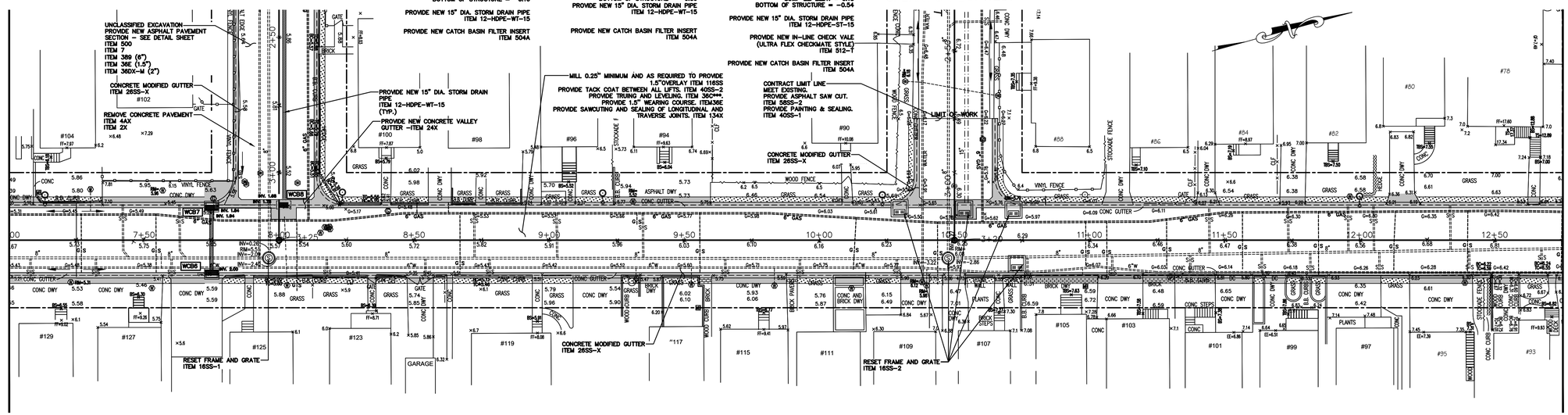
PROPOSED CENTERLINE ———————

EXISTING CENTERLINE – – – – – – – – – –

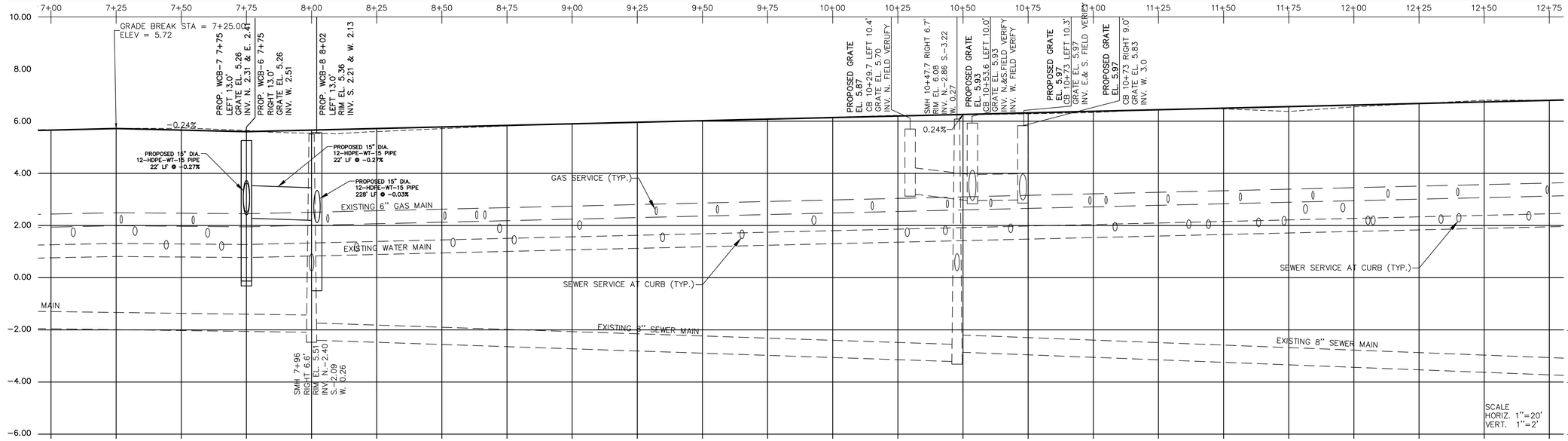
PLAN AND PROFILE WEST BLVD STA 1+00 THRU 7+00

G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

Scale:	AS NOTED
Date:	APRIL 2020
File No.:	18033.100
Dwg No.:	C301
Sheet No.:	7 of 34



TG L	5.40	5.51	5.52	5.34	~~5.40~~	5.46	5.52	5.58	5.64	5.70	5.76	6.12	6.20	6.19	~~6.26~~	6.38	6.12	6.21	6.28	6.30	6.36	6.42	6.48	6.56
BG L	5.32	5.38	5.32	5.26	5.32	5.38	5.44	5.50	5.56	5.62	5.68	5.74	5.80	6.11	6.06	6.30	6.04	6.10	6.16	6.22	6.28	6.34	6.40	6.46
MID L	5.50	5.56	5.50	5.44	5.50	5.56	5.62	5.68	5.74	5.80	5.86	5.92	5.98	6.01	6.03	6.09	6.22	6.28	6.34	6.40	6.46	6.52	6.58	6.64
CL	5.66	5.72	5.66	5.60	5.66	5.72	5.78	5.84	5.90	5.96	6.02	6.08	6.14	6.20	6.26	6.32	6.38	6.44	6.50	6.56	6.62	6.68	6.74	6.80
MID R	5.50	5.56	5.50	5.44	5.50	5.56	5.62	5.68	5.74	5.80	5.86	5.92	5.98	6.04	6.10	6.16	6.22	6.28	6.34	6.40	6.46	6.52	6.58	6.64
BG R	5.32	5.38	5.32	5.26	5.32	5.38	5.44	5.50	5.56	5.62	5.68	5.74	5.80	5.86	5.92	5.98	6.04	6.10	6.16	6.22	6.28	6.34	6.40	6.46
TG R	5.45	5.47	5.42	5.45	5.40	5.49	5.52	5.58	5.64	5.70	5.76	5.83	5.88	5.94	6.29	6.14	6.25	6.23	6.39	6.35	6.36	6.43	6.48	6.59



NO.	DATE	REVISIONS
1	3-9-20	REVISED AS PER TOWN COMMENTS
2	5-5-20	REVISED AS PER TOWN COMMENTS

In Charge:	–	J.A.G.
Compilation:	–	
Design:	–	V.L.
Drawn:	–	R.J.W
Checked:	–	J.A.G.
Reviewed:	–	

PLAN AND PROFILE NOTES:

1. EXISTING CONDITIONS SHOWN AS OF AUGUST 2018
2. UNDERGROUND UTILITIES SHOWN ARE BASED UPON LIMITED SCHEMATIC INFORMATION PROVIDED BY OTHERS. NOT ALL EXISTING UNDERGROUND UTILITY BRANCHES AND SERVICES ARE SHOWN. PRIVATE UTILITIES, IF EXISTING, ARE NOT SHOWN OR INDICATED
3. NEW CENTERLINE AND EXISTING CENTERLINE OF ROADWAY SHOWN IN PROFILE.
4. NEW CROSS SECTION OF ROADWAY SHALL BE PARABOLIC IN SHAPE EXCEPT WHEN WARPING TO MEET VALLEY GUTTERS AND WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT. NEW CROWN SHALL BE LOCATED AT CENTERLINE OF ROADWAY.
5. HORIZONTAL AND VERTICAL CONTROL DATUM IS IN NASSAU COUNTY DATUM. HORIZONTAL CONTROL NORTH AMERICAN DATUM OF 1983 (NAD83), NEW YORK STATE VERTICAL CONTROL INDICATED IS NGVD (1929), US SURVEY FEET.

TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644

Department of Engineering

PROFILE GRADE LEGEND

PROPOSED CENTERLINE ———————

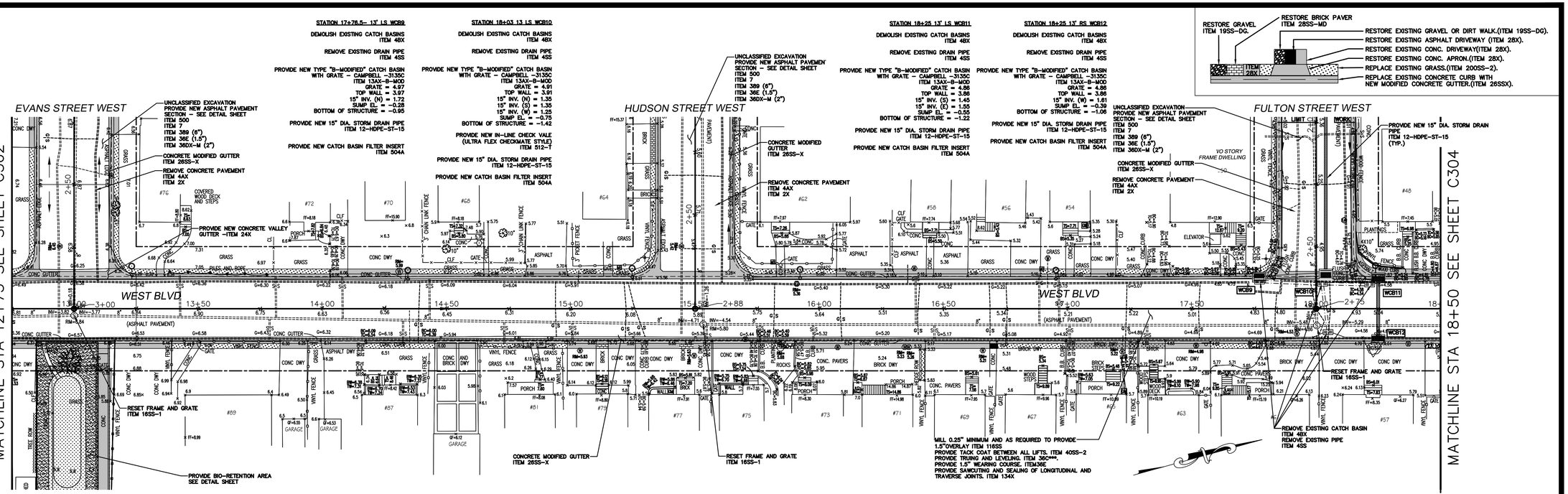
EXISTING CENTERLINE - - - - - - - - - - - - - - - - - -

PLAN AND PROFILE WEST BLVD STA 7+00 THRU 12+75

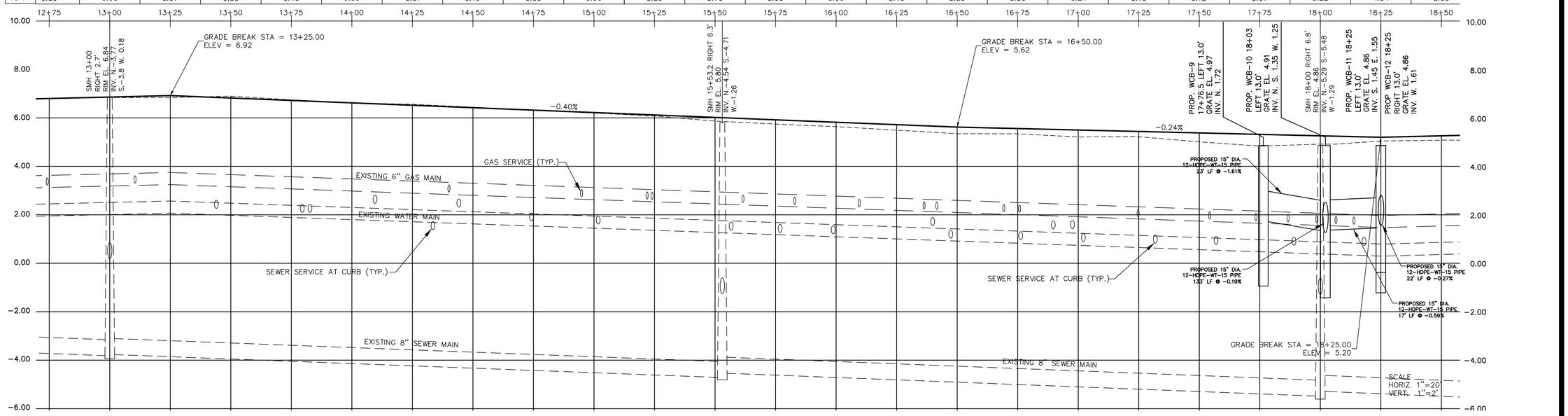
G.O.S.R. STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS EAST BOULEVARD AND WEST BOULEVARD

BAY PARK, NEW YORK 11518

Scale:	AS NOTED
Date:	APRIL 2020
File No.:	18033.100
Dwg No.:	C302
Sheet No.:	8 of 34



TG L	6.56	~~6.50~~	6.66	6.56	6.46	6.36	6.26	6.16	6.06	5.96	5.86	~~5.78~~	5.66	5.56	5.46	5.36	5.30	5.24	5.18	5.12	5.06	~~5.00~~	4.94	5.00
BG L	6.46	6.52	6.58	6.48	6.38	6.28	6.18	6.08	5.98	5.88	5.78	5.68	5.58	5.48	5.38	5.28	5.22	5.16	5.10	5.04	4.98	4.92	4.86	4.92
MID L	6.64	6.70	6.76	6.66	6.56	6.46	6.36	6.26	6.16	6.06	5.96	5.86	5.76	5.66	5.56	5.46	5.40	5.34	5.28	5.22	5.16	5.10	5.04	5.10
CL	6.80	6.86	6.92	6.82	6.72	6.62	6.52	6.42	6.32	6.22	6.12	6.02	5.92	5.82	5.72	5.62	5.56	5.50	5.44	5.38	5.32	5.26	5.20	5.26
MID R	6.64	6.70	6.76	6.66	6.56	6.46	6.36	6.26	6.16	6.06	5.96	5.86	5.76	5.66	5.56	5.46	5.40	5.34	5.28	5.22	5.16	5.10	5.04	5.10
BG R	6.46	6.52	6.58	6.48	6.38	6.28	6.18	6.08	5.98	5.88	5.78	5.68	5.58	5.48	5.38	5.28	5.22	5.16	5.10	5.04	4.98	4.92	4.86	4.92
TG R	6.59	6.60	6.67	6.59	6.46	6.36	6.31	6.16	6.06	5.96	5.86	5.76	5.66	5.56	5.46	5.36	5.30	5.24	5.18	5.12	5.07	5.22	4.94	5.00



NO.	DATE	REVISIONS
1	3–9–20	REVISED AS PER TOWN COMMENTS
2	5–5–20	REVISED AS PER TOWN COMMENTS

In Charge: –	J.A.G.
Compilation:–	
Design: –	V.L.
Drawn: –	R.J.W
Checked: –	J.A.G.
Reviewed: –	

PLAN AND PROFILE NOTES:

1. EXISTING CONDITIONS SHOWN AS OF AUGUST 2018
2. UNDERGROUND UTILITIES SHOWN ARE BASED UPON LIMITED SCHEMATIC INFORMATION PROVIDED BY OTHERS. NOT ALL EXISTING UNDERGROUND UTILITY BRANCHES AND SERVICES ARE SHOWN. PRIVATE UTILITIES, IF EXISTING, ARE NOT SHOWN OR INDICATED
3. NEW CENTERLINE AND EXISTING CENTERLINE OF ROADWAY SHOWN IN PROFILE.
4. NEW CROSS SECTION OF ROADWAY SHALL BE PARABOLIC IN SHAPE EXCEPT WHEN WARPING TO MEET VALLEY GUTTERS AND WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT. NEW CROWN SHALL BE LOCATED AT CENTERLINE OF ROADWAY.
5. HORIZONTAL AND VERTICAL CONTROL DATUM IS IN NASSAU COUNTY DATUM. HORIZONTAL CONTROL NORTH AMERICAN DATUM OF 1983 (NAD83), NEW YORK STATE VERTICAL CONTROL INDICATED IS NGVD (1929), US SURVEY FEET.

TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644

Department of Engineering

PROFILE GRADE LEGEND

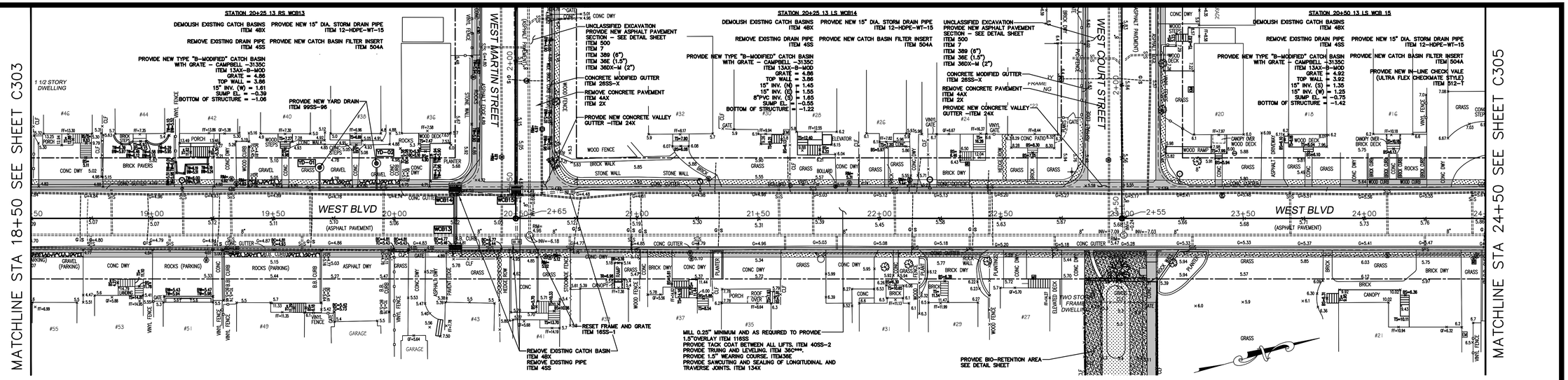
PROPOSED CENTERLINE ———

EXISTING CENTERLINE - - - - - - - - - -

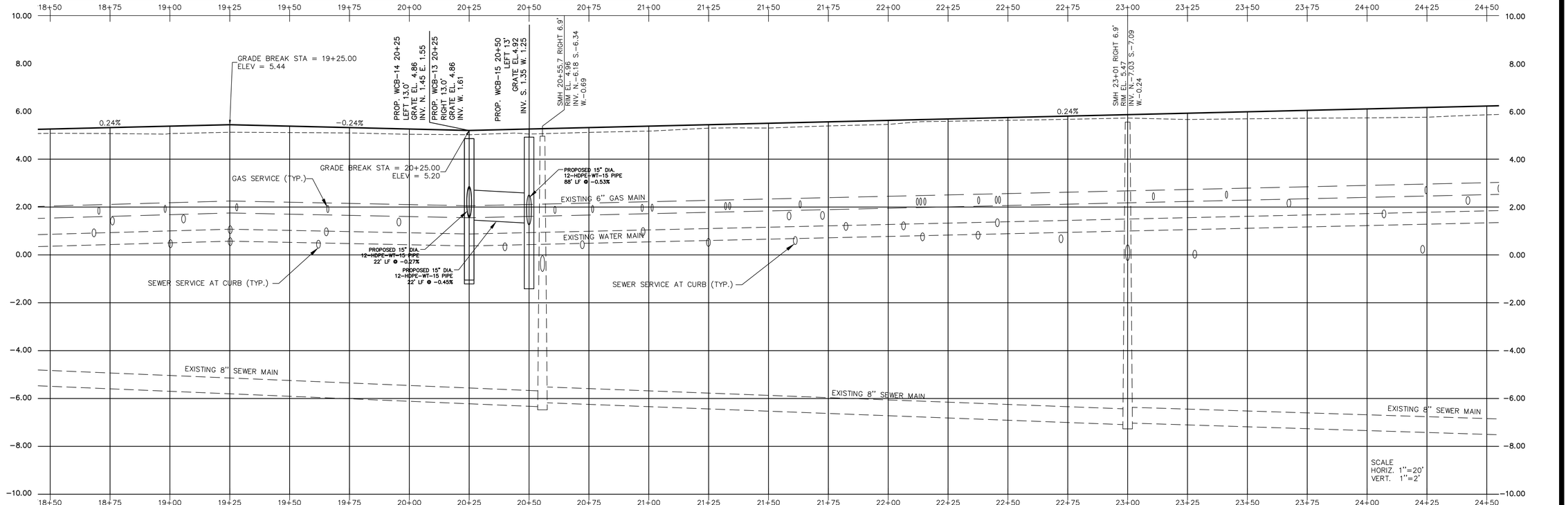
PLAN AND PROFILE
WEST BLVD
STA 12+75 THRU 18+50

G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

Scale:	AS NOTED
Date:	APRIL 2020
File No.:	18033.100
Dwg No.:	C303
Sheet No.:	9 of 34



TG L	5.00	5.06	5.12	5.18	5.12	5.06	5.00	4.94	[illegible]	5.06	5.12	5.18	5.24	5.30	5.36	5.42	5.48	5.54	[illegible]	5.66	5.72	5.78	5.84	5.90	5.96
BG L	4.92	4.98	5.04	5.10	5.04	4.98	4.92	4.86	4.92	4.98	5.04	5.10	5.16	5.22	5.28	5.34	5.40	5.46	5.52	5.58	5.64	5.70	5.76	5.82	5.88
MID L	5.10	5.16	5.22	5.28	5.22	5.16	5.10	5.04	5.10	5.16	5.22	5.28	5.34	5.40	5.46	5.52	5.58	5.64	5.70	5.76	5.82	5.88	5.94	6.00	6.06
CL	5.26	5.32	5.38	5.44	5.38	5.32	5.26	5.20	5.26	5.32	5.38	5.44	5.50	5.56	5.62	5.68	5.74	5.80	5.86	5.92	5.98	6.04	6.10	6.16	6.22
MID R	5.10	5.16	5.22	5.28	5.22	5.16	5.10	5.04	5.10	5.16	5.22	5.28	5.34	5.40	5.46	5.52	5.58	5.64	5.70	5.76	5.82	5.88	5.94	6.00	6.06
BG R	4.92	4.98	5.04	5.10	5.04	4.98	4.92	4.86	4.92	4.98	5.04	5.10	5.16	5.22	5.28	5.34	5.40	5.46	5.52	5.58	5.64	5.70	5.76	5.82	5.88
TG R	5.00	5.06	5.12	5.18	5.12	5.06	5.00	4.94	5.00	5.06	5.12	5.18	5.24	5.30	5.41	5.42	5.48	5.54	5.60	5.66	5.72	5.78	5.84	5.90	5.96



NO.	DATE	REVISIONS
1	3-9-20	REVISED AS PER TOWN COMMENTS
2	5-5-20	REVISED AS PER TOWN COMMENTS

In Charge:	–	J.A.G.
Compilation:-		
Design:	–	V.L.
Drawn:	–	R.J.W
Checked:	–	J.A.G.
Reviewed:	–	

PLAN AND PROFILE NOTES:

1. EXISTING CONDITIONS SHOWN AS OF AUGUST 2018
2. UNDERGROUND UTILITIES SHOWN ARE BASED UPON LIMITED SCHEMATIC INFORMATION PROVIDED BY OTHERS. NOT ALL EXISTING UNDERGROUND UTILITY BRANCHES AND SERVICES ARE SHOWN. PRIVATE UTILITIES, IF EXISTING, ARE NOT SHOWN OR INDICATED
3. NEW CENTERLINE AND EXISTING CENTERLINE OF ROADWAY SHOWN IN PROFILE.
4. NEW CROSS SECTION OF ROADWAY SHALL BE PARABOLIC IN SHAPE EXCEPT WHEN WARPING TO MEET VALLEY GUTTERS AND WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT. NEW CROWN SHALL BE LOCATED AT CENTERLINE OF ROADWAY.
5. HORIZONTAL AND VERTICAL CONTROL DATUM IS IN NASSAU COUNTY DATUM. HORIZONTAL CONTROL NORTH AMERICAN DATUM OF 1983 (NAD83), NEW YORK STATE VERTICAL CONTROL INDICATED IS NGVD (1929), US SURVEY FEET.

TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644
Department of Engineering

PROFILE GRADE LEGEND

PROPOSED CENTERLINE ———————

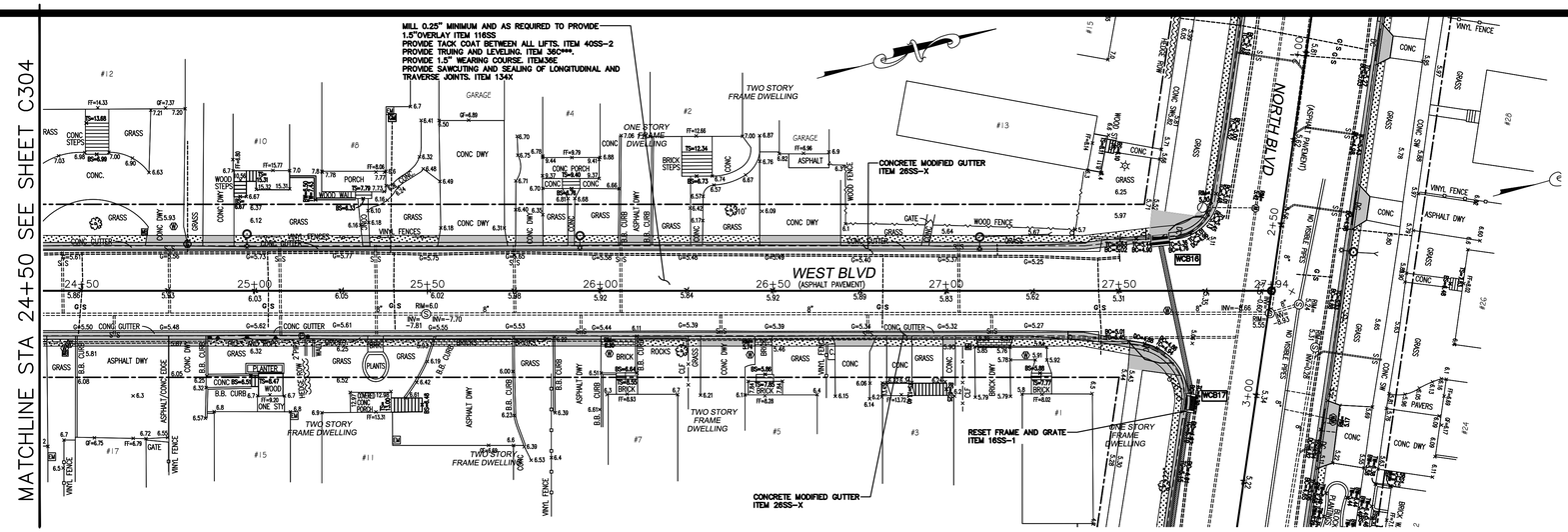
EXISTING CENTERLINE - - - - - - - - - - - - - - - - -

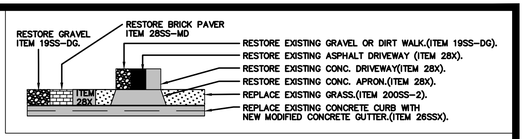
PLAN AND PROFILE
WEST BLVD
STA 18+50 THRU 24+50

G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

Scale:	AS NOTED
Date:	APRIL 2020
File No.:	18033.100
Dwg No.:	C304
Sheet No.:	10 of 34

MATCHLINE STA 24+50 SEE SHEET C304

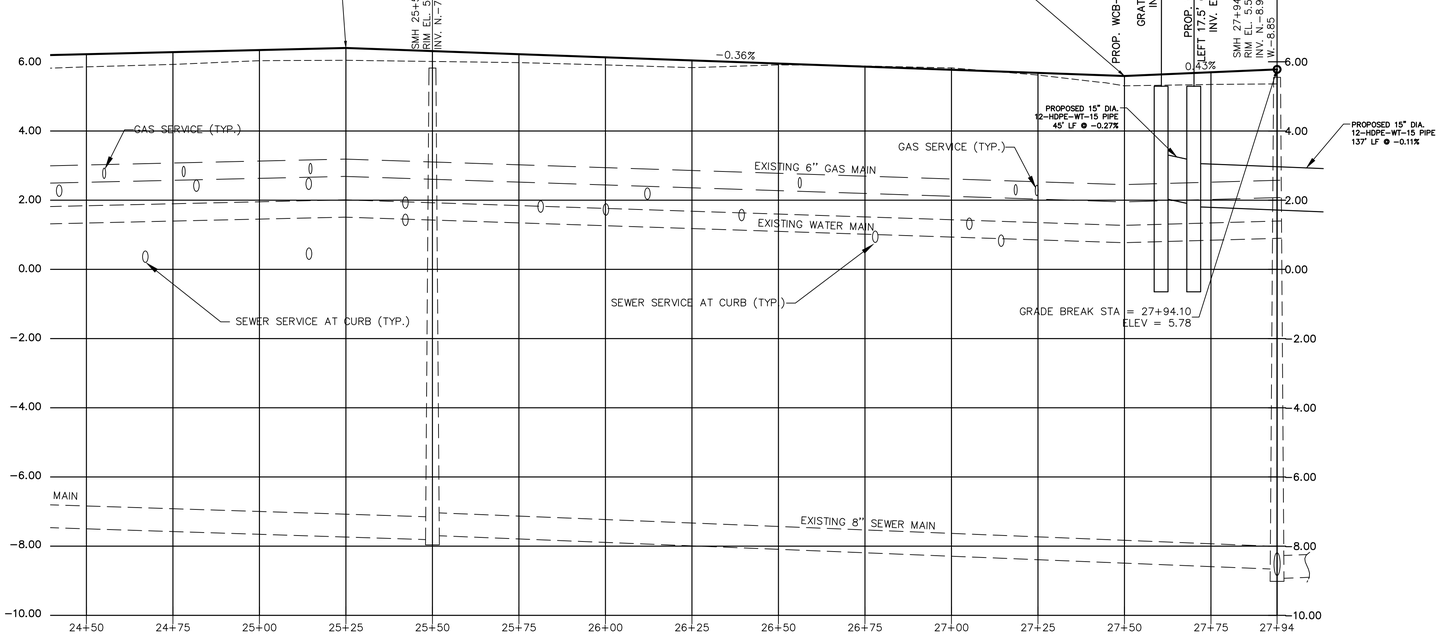




TG L	5.96	6.02	6.08	6.14	6.05	5.96	5.87	5.78	5.69	5.60	5.51	5.42	5.38	~~5.78~~	
BG L	5.88	5.94	6.00	6.06	5.97	5.88	5.79	5.70	5.61	5.52	5.43	5.34	5.30	~~5.70~~	
MID L	6.06	6.12	6.18	6.24	6.15	6.06	5.97	5.88	5.79	5.70	5.61	5.52	5.45	5.32	5.78

CL	6.22	6.28	6.34	6.40	6.31	6.22	6.13	6.04	5.95	5.86	5.77	5.68	5.59	5.31	5.78

MID R	6.06	6.12	6.18	6.24	6.15	6.06	5.97	5.88	5.79	5.70	5.61	5.52	5.45	5.32	5.74
BG R	5.88	5.94	6.00	6.06	5.97	5.88	5.79	5.70	5.61	5.52	5.43	5.34	5.32		
TG R	5.96	6.02	6.08	6.14	6.05	5.96	5.87	5.78	5.69	5.60	5.62	5.59	5.40		



STATION 27+61 14 LS WCB16

DEMOLISH EXISTING CATCH BASINS
ITEM 48X 4SS

REMOVE EXISTING DRAIN PIPE
ITEM 4SS

PROVIDE NEW TYPE "B-MODIFIED" CATCH BASIN
WITH GRATE - CAMPBELL -3135C
ITEM 13AX-B-MOD
GRATE = 5.27
TOP WALL = 4.27
15" INV. (E) = 2.02
SUMP EL. = 0.02
BOTTOM OF STRUCTURE = -0.65
PROVIDE NEW IN-LINE CHECK VALE (ULTRA FLEX CHECKMATE STYLE)
ITEM 512-T

PROVIDE NEW 15" DIA. STORM DRAIN PIPE
ITEM 12-HDPE-ST-15

PROVIDE NEW CATCH BASIN FILTER INSERT
ITEM 504A

STATION 3+08 17.5 RS WCB17

DEMOLISH EXISTING CATCH BASINS
ITEM 48X 4SS

REMOVE EXISTING DRAIN PIPE
ITEM 4SS

PROVIDE NEW TYPE "B-MODIFIED" CATCH BASIN
WITH GRATE - CAMPBELL -3135C
ITEM 13AX-B-MOD
GRATE = 5.27
TOP WALL = 4.27
15" INV. (W) = 1.90
15" INV. (E) = 1.80
SUMP EL. = 0.02
BOTTOM OF STRUCTURE = -0.65
PROVIDE NEW IN-LINE CHECK VALE (ULTRA FLEX CHECKMATE STYLE)
ITEM 512-T

PROVIDE NEW 15" DIA. STORM DRAIN PIPE
ITEM 12-HDPE-ST-15

PROVIDE NEW CATCH BASIN FILTER INSERT
ITEM 504A

SCALE
HORIZ. 1"=20'
VERT. 1"=2'

NO.	DATE	REVISIONS
1	3-9-20	REVISED AS PER TOWN COMMENTS
2	5-5-20	REVISED AS PER TOWN COMMENTS

In Charge:	–	J.A.G.
Compilation:	–	
Design:	–	V.L.
Drawn:	–	R.J.W
Checked:	–	J.A.G.
Reviewed:	–	

PLAN AND PROFILE NOTES:

1. EXISTING CONDITIONS SHOWN AS OF AUGUST 2018
2. UNDERGROUND UTILITIES SHOWN ARE BASED UPON LIMITED SCHEMATIC INFORMATION PROVIDED BY OTHERS. NOT ALL EXISTING UNDERGROUND UTILITY BRANCHES AND SERVICES ARE SHOWN. PRIVATE UTILITIES, IF EXISTING, ARE NOT SHOWN OR INDICATED
3. NEW CENTERLINE AND EXISTING CENTERLINE OF ROADWAY SHOWN IN PROFILE.
4. NEW CROSS SECTION OF ROADWAY SHALL BE PARABOLIC IN SHAPE EXCEPT WHEN WARPING TO MEET VALLEY GUTTERS AND WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT. NEW CROWN SHALL BE LOCATED AT CENTERLINE OF ROADWAY.
5. HORIZONTAL AND VERTICAL CONTROL DATUM IS IN NASSAU COUNTY DATUM. HORIZONTAL CONTROL NORTH AMERICAN DATUM OF 1983 (NAD83), NEW YORK STATE VERTICAL CONTROL INDICATED IS NGVD (1929), US SURVEY FEET.

TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644
Department of Engineering

PROFILE GRADE LEGEND

PROPOSED CENTERLINE ———————

EXISTING CENTERLINE - - - - - - - - - - - - - - - - - -

PLAN AND PROFILE
WEST BLVD
STA 24+50 THRU 27+94

G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

Scale:	AS NOTED
Date:	APRIL 2020
File No.:	18033.100
Dwg No.:	C305
Sheet No.:	11 of 34

STATION 2+12.5– 15" RS ECB3
DEMOLISH EXISTING CATCH BASINS ITEM 48X
REMOVE EXISTING DRAIN PIPE ITEM 4SS
PROVIDE NEW TYPE "B-MODIFIED" CATCH BASIN WITH GRATE – CAMPBELL –3135C ITEM 13AX–B–MOD
GRATE = 5.07
TOP WALL = 4.07
15" INV. (W) = 1.82
SUMP EL. = –0.18
BOTTOM OF STRUCTURE = –0.85
PROVIDE NEW 15" DIA. STORM DRAIN PIPE ITEM 12–HDPE–WT–15
PROVIDE NEW CATCH BASIN FILTER INSERT ITEM 504A

STATION 2+12.5 15 LS ECB4
DEMOLISH EXISTING CATCH BASINS ITEM 48X
REMOVE EXISTING DRAIN PIPE ITEM 4SS
PROVIDE NEW TYPE "B-MODIFIED" CATCH BASIN WITH GRATE – CAMPBELL –3135C ITEM 13AX–B–MOD
GRATE = 5.07
TOP WALL = 4.07
15" INV. (E) = 1.72
15" INV. (N) = 1.23
MATCH EXISTING INVERT 15" INV. (W) = 1.15±
SUMP EL. = –0.65
BOTTOM OF STRUCTURE = –1.32
PROVIDE NEW IN–LINE CHECK VALE (ULTRA FLEX CHECKMATE STYLE) ITEM 512–T
PROVIDE NEW 15" DIA. STORM DRAIN PIPE ITEM 12–HDPE–WT–15
PROVIDE NEW CATCH BASIN FILTER INSERT ITEM 504A

STATION 3+25– 15" RS ECB5
DEMOLISH EXISTING CATCH BASINS ITEM 48X
REMOVE EXISTING DRAIN PIPE ITEM 4SS
PROVIDE NEW TYPE "B-MODIFIED" CATCH BASIN WITH GRATE – CAMPBELL –3135C ITEM 13AX–B–MOD
GRATE = 5.10
TOP WALL = 4.10
15" INV. (W) = 1.85
SUMP EL. = –0.15
BOTTOM OF STRUCTURE = –0.82
PROVIDE NEW 15" DIA. STORM DRAIN PIPE ITEM 12–HDPE–WT–15
PROVIDE NEW CATCH BASIN FILTER INSERT ITEM 504A

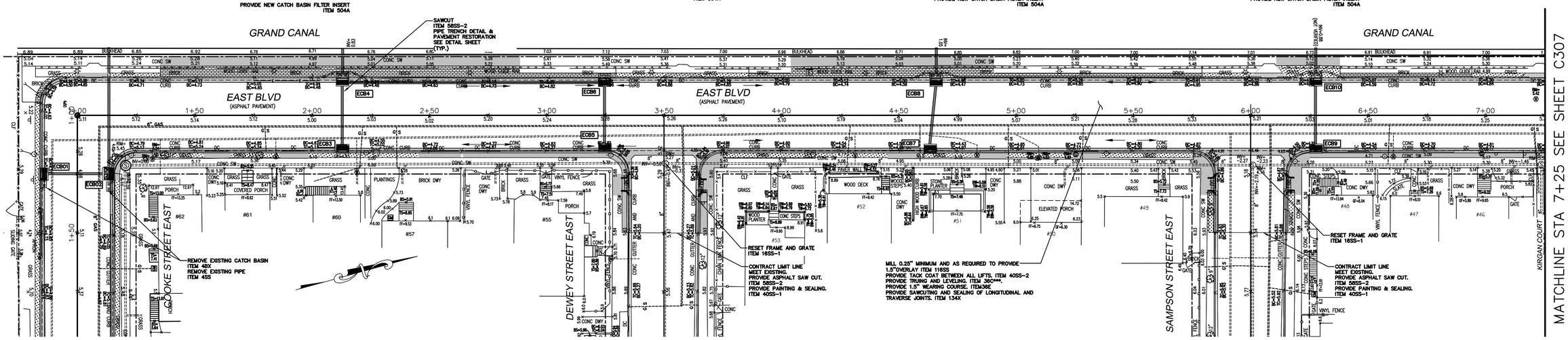
STATION 3+25– 15" LS ECB6
DEMOLISH EXISTING CATCH BASINS ITEM 48X
REMOVE EXISTING DRAIN PIPE ITEM 4SS
PROVIDE NEW TYPE "B-MODIFIED" CATCH BASIN WITH GRATE – CAMPBELL –3135C ITEM 13AX–B–MOD
GRATE = 5.10
TOP WALL = 4.10
15" INV. (E) = 1.75
15" INV. (S) = 1.65
SUMP EL. = –0.15
BOTTOM OF STRUCTURE = –0.82
PROVIDE NEW 15" DIA. STORM DRAIN PIPE ITEM 12–HDPE–WT–15
PROVIDE NEW CATCH BASIN FILTER INSERT ITEM 504A

STATION 4+65– 15" RS ECB7
DEMOLISH EXISTING CATCH BASINS ITEM 48X
REMOVE EXISTING DRAIN PIPE ITEM 4SS
PROVIDE NEW TYPE "B-MODIFIED" CATCH BASIN WITH GRATE – CAMPBELL –3135C ITEM 13AX–B–MOD
GRATE = 5.01
TOP WALL = 4.01
15" INV. (W) = 1.76
SUMP EL. = –0.24
BOTTOM OF STRUCTURE = –0.91
PROVIDE NEW 15" DIA. STORM DRAIN PIPE ITEM 12–HDPE–WT–15
PROVIDE NEW CATCH BASIN FILTER INSERT ITEM 504A

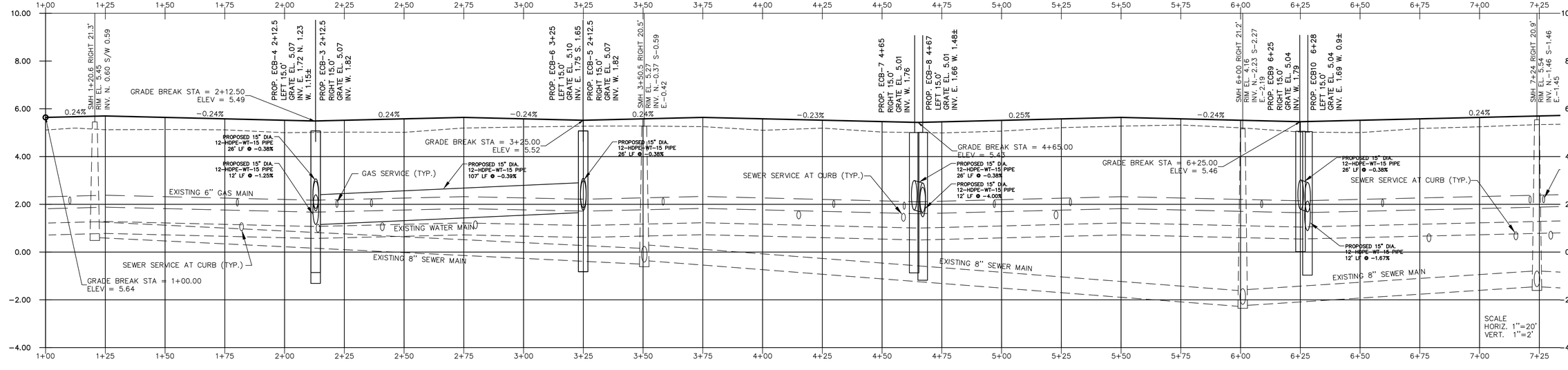
STATION 4+67 15 LS ECB8
DEMOLISH EXISTING CATCH BASINS ITEM 48X
REMOVE EXISTING DRAIN PIPE ITEM 4SS
PROVIDE NEW TYPE "B-MODIFIED" CATCH BASIN WITH GRATE – CAMPBELL –3135C ITEM 13AX–B–MOD
GRATE = 5.01
TOP WALL = 4.01
15" INV. (E) = 1.66
MEET EXISTING INV 15" INV. (W) = 1.48±
SUMP EL. = –0.52
BOTTOM OF STRUCTURE = –1.19
PROVIDE NEW IN–LINE CHECK VALE (ULTRA FLEX CHECKMATE STYLE) ITEM 512–T
PROVIDE NEW 15" DIA. STORM DRAIN PIPE ITEM 12–HDPE–WT–15
PROVIDE NEW CATCH BASIN FILTER INSERT ITEM 504A

STATION 6+25– 15" RS ECB9
DEMOLISH EXISTING CATCH BASINS ITEM 48X
REMOVE EXISTING DRAIN PIPE ITEM 4SS
PROVIDE NEW TYPE "B-MODIFIED" CATCH BASIN WITH GRATE – CAMPBELL –3135C ITEM 13AX–B–MOD
GRATE = 5.04
TOP WALL = 4.04
15" INV. (W) =1.79
SUMP EL. = –0.21
BOTTOM OF STRUCTURE = –0.88
PROVIDE NEW 15" DIA. STORM DRAIN PIPE ITEM 12–HDPE–WT–15
PROVIDE NEW CATCH BASIN FILTER INSERT ITEM 504A

STATION 6+28 15 LS ECB10
DEMOLISH EXISTING CATCH BASINS ITEM 48X
REMOVE EXISTING DRAIN PIPE ITEM 4SS
PROVIDE NEW TYPE "B-MODIFIED" CATCH BASIN WITH GRATE – CAMPBELL –3135C ITEM 13AX–B–MOD
GRATE = 5.04
TOP WALL = 4.04
15" INV. (E) = 1.69
MEET EXISTING INV 15" INV. (W) = 0.9±
SUMP EL. = –0.31
BOTTOM OF STRUCTURE = –0.98
PROVIDE NEW IN–LINE CHECK VALE (ULTRA FLEX CHECKMATE STYLE) ITEM 512–T
PROVIDE NEW 15" DIA. STORM DRAIN PIPE ITEM 12–HDPE–WT–15
PROVIDE NEW CATCH BASIN FILTER INSERT ITEM 504A



TG L	5.30	5.36	5.30	5.24	5.18	5.18	5.24	5.30	5.25	5.38	5.29	5.30	5.24	5.18	5.13	5.12	5.19	5.26	5.30	5.41	5.32	5.19	5.18	5.24	5.30	5.36
BG L	5.22	5.28	5.22	5.16	5.10	5.10	5.16	5.22	5.16	5.10	5.16	5.22	5.16	5.10	5.05	5.04	5.10	5.16	5.22	5.16	5.10	5.04	5.10	5.16	5.22	5.28
MID L	5.44	5.50	5.44	5.38	5.32	5.32	5.38	5.44	5.38	5.32	5.38	5.44	5.38	5.33	5.27	5.26	5.32	5.38	5.44	5.38	5.32	5.26	5.32	5.38	5.44	5.50
CL	5.64	5.70	5.64	5.58	5.52	5.52	5.58	5.64	5.58	5.52	5.58	5.64	5.58	5.52	5.47	5.45	5.52	5.58	5.64	5.58	5.52	5.46	5.52	5.58	5.64	5.70
MID R	5.60	5.50	5.44	5.38	5.32	5.32	5.38	5.44	5.38	5.32	5.38	5.44	5.38	5.33	5.27	5.26	5.32	5.38	5.44	5.38	5.32	5.26	5.32	5.38	5.44	5.50
BG R	5.57	5.28	5.22	5.16	5.10	5.10	5.16	5.22	5.16	5.10	5.16	5.22	5.16	5.10	5.05	5.04	5.10	5.16	5.22	5.16	5.10	5.04	5.10	5.16	5.22	5.28
TG R	[illegible]	5.36	5.30	5.24	5.18	5.18	5.24	5.30	5.27	5.38	[illegible]	5.30	5.24	5.18	5.13	5.12	5.18	5.24	5.30	5.29	[illegible]	5.12	5.18	5.24	5.30	5.36



NO.	DATE	REVISIONS
1	3–9–20	REVISED AS PER TOWN COMMENTS
2	5–5–20	REVISED AS PER TOWN COMMENTS

In Charge:	–	J.A.G.
Compilation:	–	
Design:	–	V.L.
Drawn:	–	R.J.W
Checked:	–	J.A.G.
Reviewed:	–	

PLAN AND PROFILE NOTES:
1. EXISTING CONDITIONS SHOWN AS OF AUGUST 2018
2. UNDERGROUND UTILITIES SHOWN ARE BASED UPON LIMITED SCHEMATIC INFORMATION PROVIDED BY OTHERS. NOT ALL EXISTING UNDERGROUND UTILITY BRANCHES AND SERVICES ARE SHOWN. PRIVATE UTILITIES, IF EXISTING, ARE NOT SHOWN OR INDICATED
3. NEW CENTERLINE AND EXISTING CENTERLINE OF ROADWAY SHOWN IN PROFILE.
4. NEW CROSS SECTION OF ROADWAY SHALL BE PARABOLIC IN SHAPE EXCEPT WHEN WARPING TO MEET VALLEY GUTTERS AND WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT. NEW CROWN SHALL BE LOCATED AT CENTERLINE OF ROADWAY.
5. HORIZONTAL AND VERTICAL CONTROL DATUM IS IN NASSAU COUNTY DATUM. HORIZONTAL CONTROL NORTH AMERICAN DATUM OF 1983 (NAD83), NEW YORK STATE VERTICAL CONTROL INDICATED IS NGVD (1929), US SURVEY FEET.

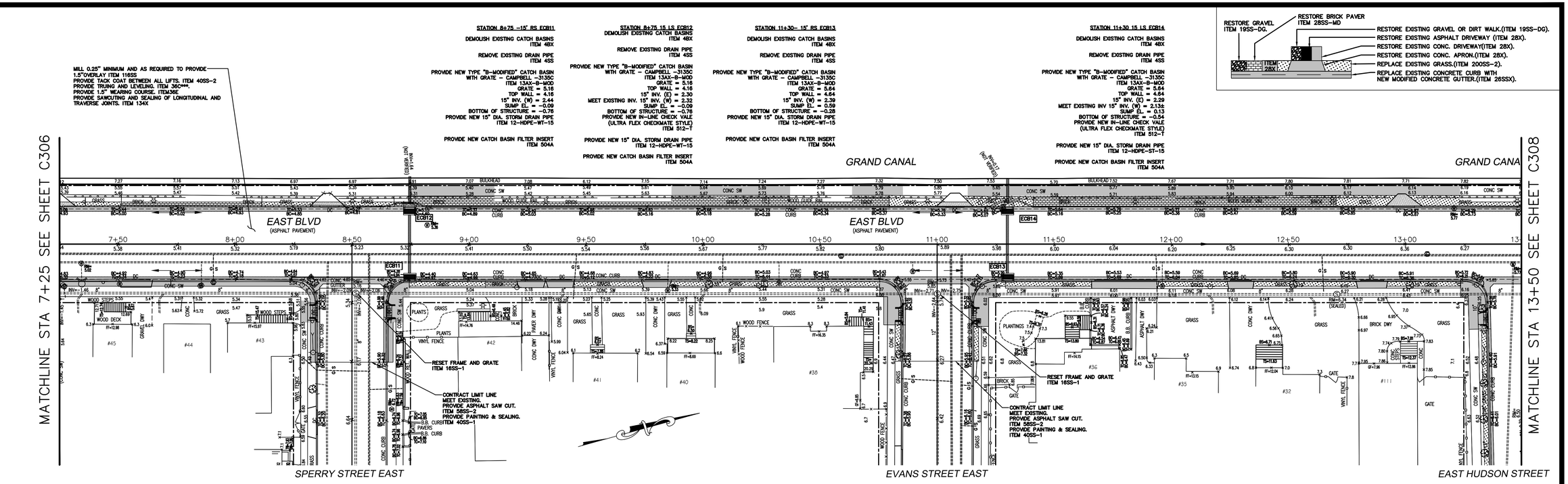
TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644
Department of Engineering

PROFILE GRADE LEGEND
PROPOSED CENTERLINE ——————
EXISTING CENTERLINE – – – – – – – – – –

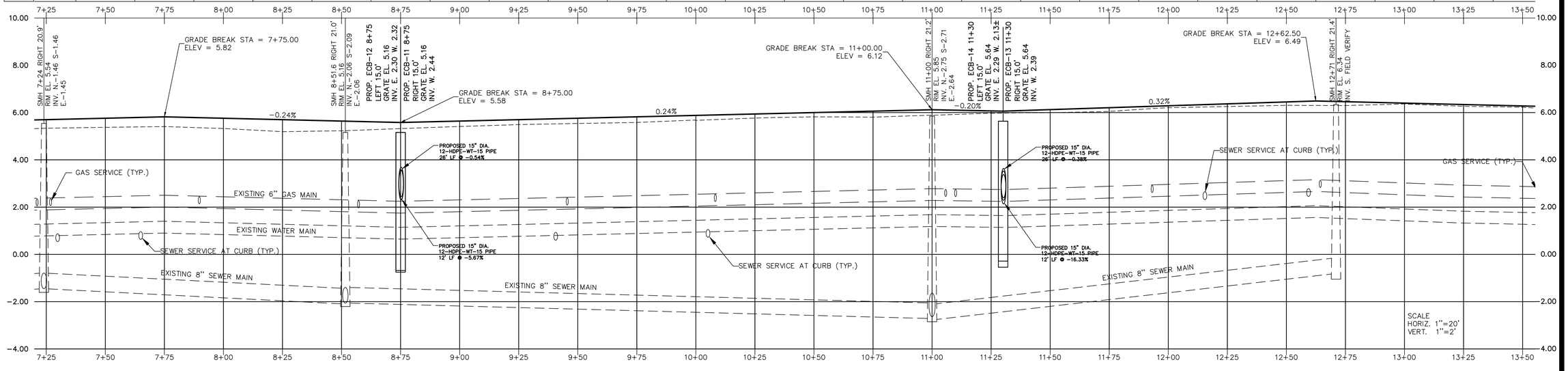
PLAN AND PROFILE EAST BLVD STA 1+00 THRU 7+25

G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

Scale:	AS NOTED
Date:	APRIL 2020
File No.:	18033.100
Dwg No.:	C306
Sheet No.:	12 of 34



TG L	5.36	5.43	5.56	5.42	5.36	5.30	5.31	5.37	5.40	5.46	5.62	5.71	5.73	5.76	5.81	5.78	5.73	5.79	5.87	5.95	6.03	6.11	6.15	6.16	6.29	6.26
BG L	5.28	5.34	5.40	5.34	5.28	5.22	5.16	5.22	5.28	5.34	5.40	5.46	5.52	5.58	5.64	5.70	5.65	5.71	5.79	5.87	5.95	6.03	6.04	5.98	5.92	5.86
MID L	5.50	5.56	5.62	5.56	5.50	5.44	5.38	5.44	5.50	5.56	5.62	5.68	5.74	5.80	5.86	5.92	5.87	5.93	6.01	6.09	6.17	6.25	6.26	6.20	6.14	6.08
CL	5.70	5.76	5.82	5.76	5.70	5.64	5.58	5.64	5.70	5.76	5.82	5.88	5.94	6.00	6.06	6.12	6.07	6.12	6.21	6.29	6.37	6.45	6.46	6.40	6.34	6.28
MID R	5.50	5.56	5.62	5.56	5.50	5.44	5.38	5.44	5.50	5.56	5.62	5.68	5.74	5.80	5.86	6.14	5.87	5.93	6.01	6.09	6.17	6.25	6.26	6.20	6.09	6.06
BG R	5.28	5.34	5.40	5.34	5.28	5.22	5.16	5.22	5.28	5.34	5.40	5.46	5.52	5.58	5.64	6.16	5.65	5.71	5.79	5.87	5.95	6.03	6.04	5.98	5.83	5.82
TG R	5.36	5.42	5.48	5.42	5.36	[illegible]	5.24	5.30	5.36	5.42	5.48	5.54	5.60	5.66	5.72	[illegible]	5.73	5.79	5.87	6.04	6.03	6.23	6.30	6.35	5.95	[illegible]



NO.	DATE	REVISIONS
1	3-9-20	REVISED AS PER TOWN COMMENTS
2	5-5-20	REVISED AS PER TOWN COMMENTS

In Charge:	–	J.A.G.
Compilation:	–	
Design:	–	V.L.
Drawn:	–	R.J.W
Checked:	–	J.A.G.
Reviewed:	–	

PLAN AND PROFILE NOTES:

1. EXISTING CONDITIONS SHOWN AS OF AUGUST 2018
2. UNDERGROUND UTILITIES SHOWN ARE BASED UPON LIMITED SCHEMATIC INFORMATION PROVIDED BY OTHERS. NOT ALL EXISTING UNDERGROUND UTILITY BRANCHES AND SERVICES ARE SHOWN. PRIVATE UTILITIES, IF EXISTING, ARE NOT SHOWN OR INDICATED
3. NEW CENTERLINE AND EXISTING CENTERLINE OF ROADWAY SHOWN IN PROFILE.
4. NEW CROSS SECTION OF ROADWAY SHALL BE PARABOLIC IN SHAPE EXCEPT WHEN WARPING TO MEET VALLEY GUTTERS AND WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT. NEW CROWN SHALL BE LOCATED AT CENTERLINE OF ROADWAY.
5. HORIZONTAL AND VERTICAL CONTROL DATUM IS IN NASSAU COUNTY DATUM. HORIZONTAL CONTROL NORTH AMERICAN DATUM OF 1983 (NAD83), NEW YORK STATE VERTICAL CONTROL INDICATED IS NGVD (1929), US SURVEY FEET.

TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644
Department of Engineering

PROFILE GRADE LEGEND

PROPOSED CENTERLINE ——————

EXISTING CENTERLINE - - - - - - - - - - - - - - - - -

PLAN AND PROFILE EAST BLVD STA 7+25 THRU 13+50

G.O.S.R. STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS EAST BOULEVARD AND WEST BOULEVARD

BAY PARK, NEW YORK 11518

Scale:	AS NOTED
Date:	APRIL 2020
File No.:	18033.100
Dwg No.:	C307
Sheet No.:	13 of 34

STATION 15+75– 15' RS ECB15

DEMOLISH EXISTING CATCH BASINS
ITEM 48X

REMOVE EXISTING DRAIN PIPE
ITEM 4SS

PROVIDE NEW TYPE "B-MODIFIED" CATCH BASIN
WITH GRATE – CAMPBELL –3135C
ITEM 13AX–B–MOD
GRATE = 5.32
TOP WALL = 4.32
15" INV. (W) = 2.07
SUMP EL. = 0.07
BOTTOM OF STRUCTURE = –0.60
PROVIDE NEW 15" DIA. STORM DRAIN PIPE
ITEM 12–HDPE–WT–15

PROVIDE NEW CATCH BASIN FILTER INSERT
ITEM 504A

STATION 15+75 15 LS ECB16

DEMOLISH EXISTING CATCH BASINS
ITEM 48X

REMOVE EXISTING DRAIN PIPE
ITEM 4SS

PROVIDE NEW TYPE "B-MODIFIED" CATCH BASIN
WITH GRATE – CAMPBELL –3135C
ITEM 13AX–B–MOD
GRATE = 5.32
TOP WALL = 4.32
15" INV. (E) = 1.97
15" INV. (W) = 1.87
SUMP EL. = 0.13
BOTTOM OF STRUCTURE = –0.80

PROVIDE NEW IN–LINE CHECK VALE
(ULTRA FLEX CHECKMATE STYLE)
ITEM 512–T

PROVIDE NEW 15" DIA. STORM DRAIN PIPE
ITEM 12–HDPE–WT–15

PROVIDE NEW CATCH BASIN FILTER INSERT
ITEM 504A

STATION 17+62.5– 15' RS ECB17

DEMOLISH EXISTING CATCH BASINS
ITEM 48X

REMOVE EXISTING DRAIN PIPE
ITEM 4SS

PROVIDE NEW TYPE "B-MODIFIED" CATCH BASIN
WITH GRATE – CAMPBELL –3135C
ITEM 13AX–B–MOD
GRATE = 5.33
TOP WALL = 4.33
15" INV. (W) = 2.08
SUMP EL. = 0.08
BOTTOM OF STRUCTURE = –0.59
PROVIDE NEW 15" DIA. STORM DRAIN PIPE
ITEM 12–HDPE–WT–15

PROVIDE NEW CATCH BASIN FILTER INSERT
ITEM 504A

STATION 17+62.5 15 LS ECB18

DEMOLISH EXISTING CATCH BASINS
ITEM 48X

REMOVE EXISTING DRAIN PIPE
ITEM 4SS

PROVIDE NEW TYPE "B-MODIFIED" CATCH BASIN
WITH GRATE – CAMPBELL –3135C
ITEM 13AX–B–MOD
GRATE = 5.33
TOP WALL = 4.33
15" INV. (E) = 1.98
15" INV. (W) = 1.88
SUMP EL. = –0.12
BOTTOM OF STRUCTURE = –0.79
PROVIDE NEW IN–LINE CHECK VALE
(ULTRA FLEX CHECKMATE STYLE)
ITEM 512–T

PROVIDE NEW 15" DIA. STORM DRAIN PIPE
ITEM 12–HDPE–WT–15

PROVIDE NEW CATCH BASIN FILTER INSERT
ITEM 504A

STATION 18+75– 15' RS ECB19

DEMOLISH EXISTING CATCH BASINS
ITEM 48X

REMOVE EXISTING DRAIN PIPE
ITEM 4SS

PROVIDE NEW TYPE "B-MODIFIED" CATCH BASIN
WITH GRATE – CAMPBELL –3135C
ITEM 13AX–B–MOD
GRATE = 5.38
TOP WALL = 4.38
15" INV. (E) = 2.03
15" INV. (W) = 1.93
SUMP EL. = –0.07
BOTTOM OF STRUCTURE = –0.74
PROVIDE NEW IN–LINE CHECK VALE
(ULTRA FLEX CHECKMATE STYLE)
ITEM 512–T

PROVIDE NEW 15" DIA. STORM DRAIN PIPE
ITEM 12–HDPE–WT–15

PROVIDE NEW CATCH BASIN FILTER INSERT
ITEM 504A

STATION 18+78.7 15 LS ECB20

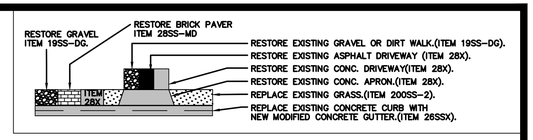
DEMOLISH EXISTING CATCH BASINS
ITEM 48X

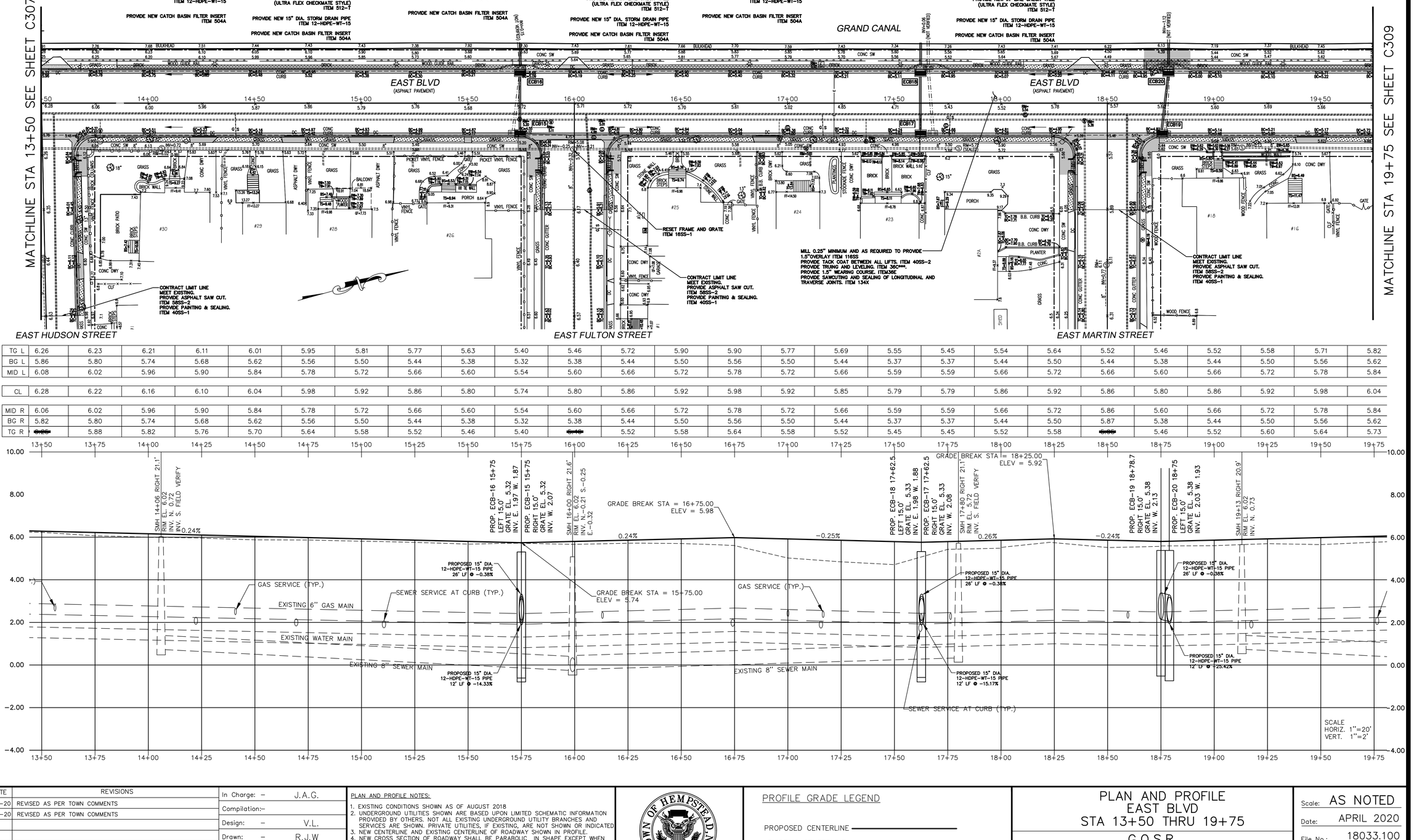
REMOVE EXISTING DRAIN PIPE
ITEM 4SS

PROVIDE NEW TYPE "B-MODIFIED" CATCH BASIN
WITH GRATE – CAMPBELL –3135C
ITEM 13AX–B–MOD
GRATE = 5.38
TOP WALL = 4.38
15" INV. (E) = 2.03
15" INV. (W) = 1.93
SUMP EL. = –0.07
BOTTOM OF STRUCTURE = –0.74
PROVIDE NEW IN–LINE CHECK VALE
(ULTRA FLEX CHECKMATE STYLE)
ITEM 512–T

PROVIDE NEW 15" DIA. STORM DRAIN PIPE
ITEM 12–HDPE–WT–15

PROVIDE NEW CATCH BASIN FILTER INSERT
ITEM 504A





TG L	6.26	6.23	6.21	6.11	6.01	5.95	5.81	5.77	5.63	5.40	5.46	5.72	5.90	5.90	5.77	5.69	5.55	5.45	5.54	5.64	5.52	5.46	5.52	5.58	5.71	5.82
BG L	5.86	5.80	5.74	5.68	5.62	5.56	5.50	5.44	5.38	5.32	5.38	5.44	5.50	5.56	5.50	5.44	5.37	5.37	5.44	5.50	5.44	5.38	5.44	5.50	5.56	5.62
MID L	6.08	6.02	5.96	5.90	5.84	5.78	5.72	5.66	5.60	5.54	5.60	5.66	5.72	5.78	5.72	5.66	5.59	5.59	5.66	5.72	5.66	5.60	5.66	5.72	5.78	5.84
CL	6.28	6.22	6.16	6.10	6.04	5.98	5.92	5.86	5.80	5.74	5.80	5.86	5.92	5.98	5.92	5.85	5.79	5.79	5.86	5.92	5.86	5.80	5.86	5.92	5.98	6.04
MID R	6.06	6.02	5.96	5.90	5.84	5.78	5.72	5.66	5.60	5.54	5.60	5.66	5.72	5.78	5.72	5.66	5.59	5.59	5.66	5.72	5.86	5.60	5.66	5.72	5.78	5.84
BG R	5.82	5.80	5.74	5.68	5.62	5.56	5.50	5.44	5.38	5.32	5.38	5.44	5.50	5.56	5.50	5.44	5.37	5.37	5.44	5.50	5.87	5.38	5.44	5.50	5.56	5.62
TG R	~~5.88~~	5.82	5.76	5.70	5.64	5.58	5.52	5.46	5.40	~~5.46~~	5.52	5.58	5.64	5.58	5.52	5.45	5.45	5.52	5.58	~~5.66~~	5.46	5.52	5.60	5.64	5.73

NO.	DATE	REVISIONS
1	3–9–20	REVISED AS PER TOWN COMMENTS
2	5–5–20	REVISED AS PER TOWN COMMENTS

In Charge:	–	J.A.G.
Compilation:–		
Design:	–	V.L.
Drawn:	–	R.J.W
Checked:	–	J.A.G.
Reviewed:	–	

PLAN AND PROFILE NOTES:

1. EXISTING CONDITIONS SHOWN AS OF AUGUST 2018
2. UNDERGROUND UTILITIES SHOWN ARE BASED UPON LIMITED SCHEMATIC INFORMATION PROVIDED BY OTHERS. NOT ALL EXISTING UNDERGROUND UTILITY BRANCHES AND SERVICES ARE SHOWN. PRIVATE UTILITIES, IF EXISTING, ARE NOT SHOWN OR INDICATED
3. NEW CENTERLINE AND EXISTING CENTERLINE OF ROADWAY SHOWN IN PROFILE.
4. NEW CROSS SECTION OF ROADWAY SHALL BE PARABOLIC IN SHAPE EXCEPT WHEN WARPING TO MEET VALLEY GUTTERS AND WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT. NEW CROWN SHALL BE LOCATED AT CENTERLINE OF ROADWAY.
5. HORIZONTAL AND VERTICAL CONTROL DATUM IS IN NASSAU COUNTY DATUM. HORIZONTAL CONTROL NORTH AMERICAN DATUM OF 1983 (NAD83), NEW YORK STATE VERTICAL CONTROL INDICATED IS NGVD (1929), US SURVEY FEET.

TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644
Department of Engineering

PROFILE GRADE LEGEND

PROPOSED CENTERLINE ——————

EXISTING CENTERLINE – – – – – – – – – –

PLAN AND PROFILE
EAST BLVD
STA 13+50 THRU 19+75

G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

Scale: AS NOTED
Date: APRIL 2020
File No.: 18033.100
Dwg No.: C308
Sheet No.: 14 of 34

STATION 20+84.5– 36.4' RS ECB21
DEMOLISH EXISTING CATCH BASINS ITEM 48X

REMOVE EXISTING DRAIN PIPE ITEM 45S

PROVIDE NEW TYPE "B-MODIFIED" CATCH BASIN WITH GRATE – CAMPBELL –3135C
ITEM 13AX–B–MOD
GRATE = 5.38
TOP WALL = 4.38
15" INV. (N) = 2.63
SUMP EL. = 0.63
BOTTOM OF STRUCTURE = –0.04
PROVIDE NEW 15" DIA. STORM DRAIN PIPE ITEM 12–HDPE–WT–15

PROVIDE NEW CATCH BASIN FILTER INSERT ITEM 504A

STATION 21+15 36.0' RS ECB22

DEMOLISH EXISTING CATCH BASINS ITEM 48X

REMOVE EXISTING DRAIN PIPE ITEM 45S

PROVIDE NEW TYPE "B-MODIFIED" CATCH BASIN WITH GRATE – CAMPBELL –3135C
ITEM 13AX–B–MOD
GRATE = 5.48
TOP WALL = 4.48
15" INV. (S) = 2.53
15" INV. (W) = 2.43
SUMP EL. = 0.43
BOTTOM OF STRUCTURE = –0.24
PROVIDE NEW IN–LINE CHECK VALE (ULTRA FLEX CHECKMATE STYLE) ITEM 512–T

PROVIDE NEW 15" DIA. STORM DRAIN PIPE ITEM 12–HDPE–WT–15

PROVIDE NEW CATCH BASIN FILTER INSERT ITEM 504A

STATION 23+15.5– 15' RS ECB23
DEMOLISH EXISTING CATCH BASINS ITEM 48X

REMOVE EXISTING DRAIN PIPE ITEM 45S

PROVIDE NEW TYPE "B-MODIFIED" CATCH BASIN WITH GRATE – CAMPBELL –3135C
ITEM 13AX–B–MOD
GRATE = 5.41
TOP WALL = 4.41
15" INV. (W) = 2.16
SUMP EL. = 0.16
BOTTOM OF STRUCTURE = –0.51
PROVIDE NEW 15" DIA. STORM DRAIN PIPE ITEM 12–HDPE–WT–15

PROVIDE NEW CATCH BASIN FILTER INSERT ITEM 504A

STATION 23+15.5 15' LS ECB24

DEMOLISH EXISTING CATCH BASINS ITEM 48X

REMOVE EXISTING DRAIN PIPE ITEM 45S

PROVIDE NEW TYPE "B-MODIFIED" CATCH BASIN WITH GRATE – CAMPBELL –3135C
ITEM 13AX–B–MOD
GRATE = 5.41
TOP WALL = 4.41
15" INV. (E) = 2.06
15" INV. (W) = 1.96
SUMP EL. = –0.04
BOTTOM OF STRUCTURE = –0.71
PROVIDE NEW IN–LINE CHECK VALE (ULTRA FLEX CHECKMATE STYLE) ITEM 512–T

PROVIDE NEW 15" DIA. STORM DRAIN PIPE ITEM 12–HDPE–WT–15

PROVIDE NEW CATCH BASIN FILTER INSERT ITEM 504A

STATION 25+25– 15' RS ECB25

DEMOLISH EXISTING CATCH BASINS ITEM 48X

REMOVE EXISTING DRAIN PIPE ITEM 45S

PROVIDE NEW TYPE "B-MODIFIED" CATCH BASIN WITH GRATE – CAMPBELL –3135C
ITEM 13AX–B–MOD
GRATE = 5.08
TOP WALL = 4.08
15" INV. (W) = 1.83
SUMP EL. = –0.17
BOTTOM OF STRUCTURE = –0.84

PROVIDE NEW 15" DIA. STORM DRAIN PIPE ITEM 12–HDPE–WT–15

PROVIDE NEW CATCH BASIN FILTER INSERT ITEM 504A

STATION 25+25 15 LS ECB26

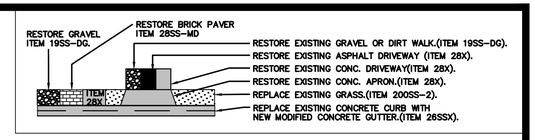
DEMOLISH EXISTING CATCH BASINS ITEM 48X

REMOVE EXISTING DRAIN PIPE ITEM 45S

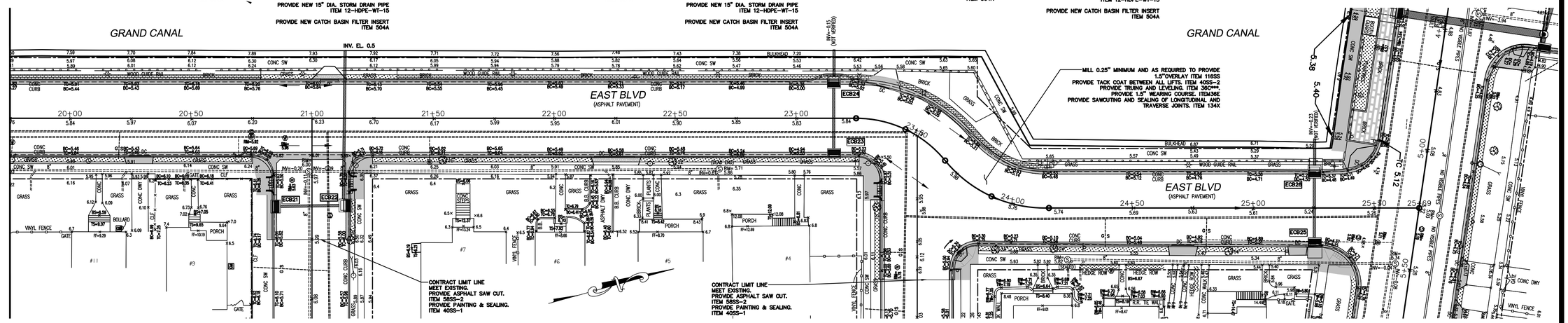
PROVIDE NEW TYPE "B-MODIFIED" CATCH BASIN WITH GRATE – CAMPBELL –3135C
ITEM 13AX–B–MOD
GRATE = 5.08
TOP WALL = 4.08
15" INV. (E) = 1.73
15" INV. (W) = 1.63
SUMP EL. = –0.37
BOTTOM OF STRUCTURE = –1.04
PROVIDE NEW IN–LINE CHECK VALE (ULTRA FLEX CHECKMATE STYLE) ITEM 512–T

PROVIDE NEW 15" DIA. STORM DRAIN PIPE ITEM 12–HDPE–WT–15

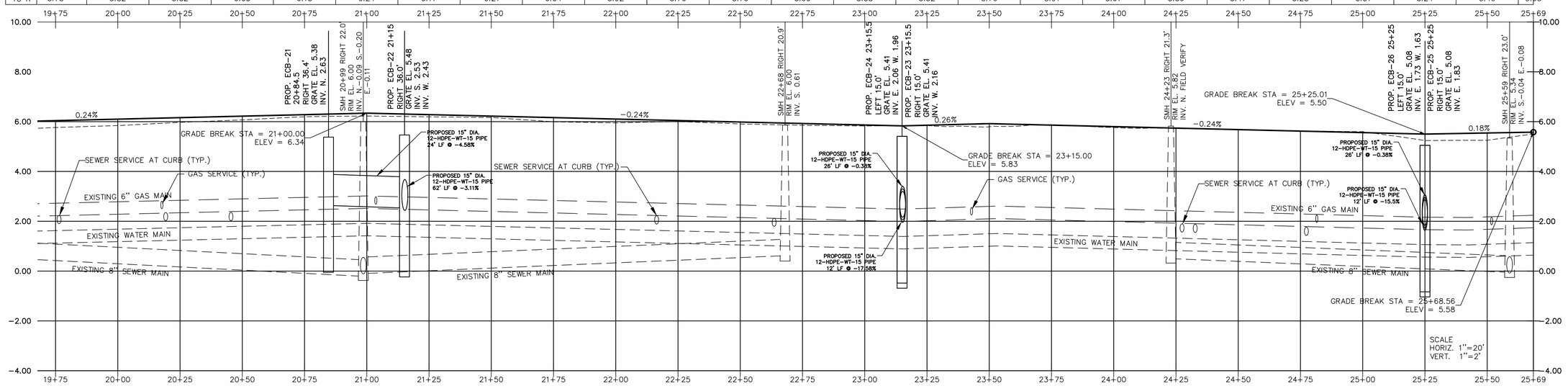
PROVIDE NEW CATCH BASIN FILTER INSERT ITEM 504A



MATCHLINE STA 19+75 SEE SHEET C308



TG L	5.82	5.91	5.93	6.15	6.19	6.08	6.13	5.88	5.96	5.83	5.71	5.65	5.59	5.53	5.52	5.58	5.53	5.47	5.41	5.54	5.56	5.32	5.16	~~5.22~~	~~5.16~~
BG L	5.62	5.68	5.74	5.80	5.86	5.92	5.86	5.80	5.74	5.68	5.62	5.57	5.51	5.45	5.44	5.50	5.45	5.39	5.33	5.27	5.21	5.14	5.08	~~5.13~~	~~5.08~~
MID L	5.84	5.90	5.96	6.02	6.08	6.14	6.08	6.02	5.96	5.90	5.85	5.79	5.73	5.67	5.66	5.72	5.67	5.61	5.55	5.49	5.43	5.36	5.30	~~5.35~~	~~5.30~~
CL	6.04	6.10	6.16	6.22	6.28	6.34	6.28	6.22	6.16	6.10	6.04	5.98	5.92	5.87	5.86	5.92	5.86	5.81	5.75	5.69	5.62	5.56	5.50	5.54	5.58
MID R	5.84	5.90	5.96	6.02	6.08	6.25	6.08	6.02	5.96	5.90	5.85	5.79	5.73	5.67	5.66	5.79	5.76	5.64	5.55	5.49	5.43	5.36	5.30	~~5.41~~	~~5.36~~
BG R	5.62	5.68	5.74	5.80	5.86	6.16	5.86	5.80	5.74	5.68	5.62	5.57	5.51	5.45	5.44	5.68	5.72	5.47	5.33	5.27	5.20	5.14	5.08	~~5.39~~	~~5.34~~
TG R	5.73	5.82	5.82	6.03	6.13	~~6.24~~	6.17	6.21	6.04	5.92	5.70	5.76	5.69	5.53	5.52	~~5.70~~	~~5.68~~	5.67	5.56	5.47	5.28	5.31	5.24	~~5.19~~	~~5.16~~



NO.	DATE	REVISIONS
1	3–9–20	REVISED AS PER TOWN COMMENTS
2	5–5–20	REVISED AS PER TOWN COMMENTS

In Charge:	–	J.A.G.
Compilation:	–	
Design:	–	V.L.
Drawn:	–	R.J.W
Checked:	–	J.A.G.
Reviewed:	–	

PLAN AND PROFILE NOTES:

1. EXISTING CONDITIONS SHOWN AS OF AUGUST 2018
2. UNDERGROUND UTILITIES SHOWN ARE BASED UPON LIMITED SCHEMATIC INFORMATION PROVIDED BY OTHERS. NOT ALL EXISTING UNDERGROUND UTILITY BRANCHES AND SERVICES ARE SHOWN. PRIVATE UTILITIES, IF EXISTING, ARE NOT SHOWN OR INDICATED
3. NEW CENTERLINE AND EXISTING CENTERLINE OF ROADWAY SHOWN IN PROFILE.
4. NEW CROSS SECTION OF ROADWAY SHALL BE PARABOLIC IN SHAPE EXCEPT WHEN WARPING TO MEET VALLEY GUTTERS AND WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT. NEW CROWN SHALL BE LOCATED AT CENTERLINE OF ROADWAY.
5. HORIZONTAL AND VERTICAL CONTROL DATUM IS IN NASSAU COUNTY DATUM. HORIZONTAL CONTROL NORTH AMERICAN DATUM OF 1983 (NAD83), NEW YORK STATE VERTICAL CONTROL INDICATED IS NGVD (1929), US SURVEY FEET.

TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644
Department of Engineering

PROFILE GRADE LEGEND

PROPOSED CENTERLINE ———————

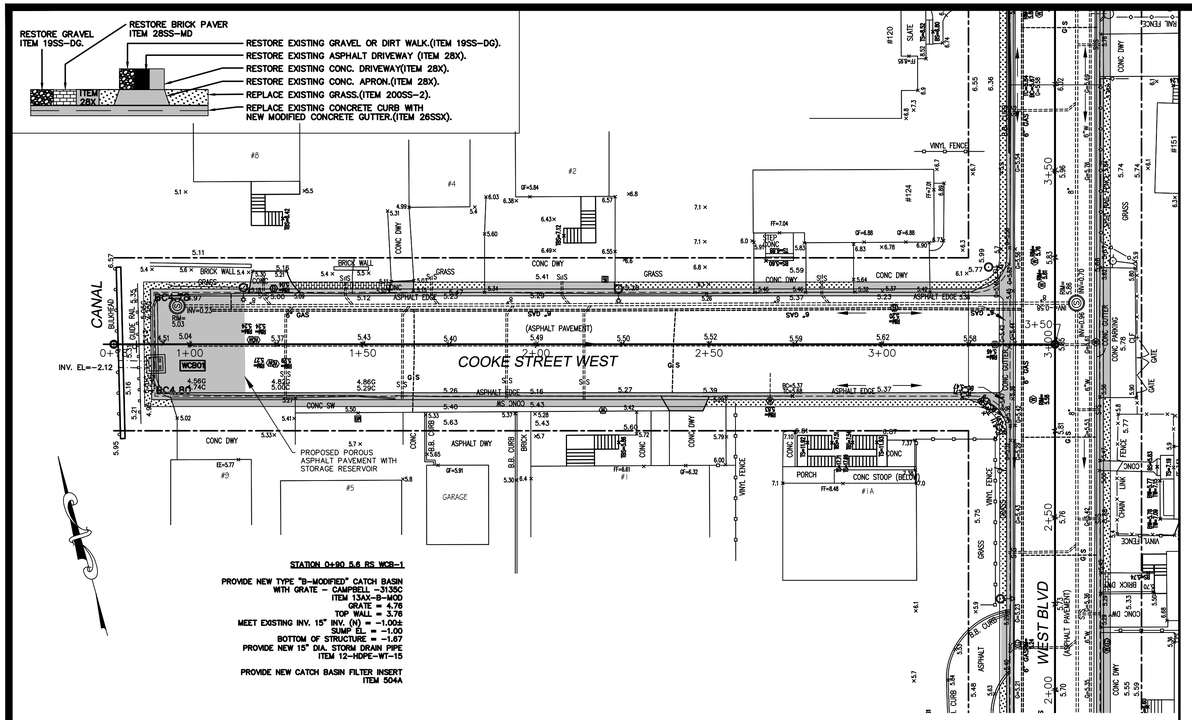
EXISTING CENTERLINE – – – – – – – – – –

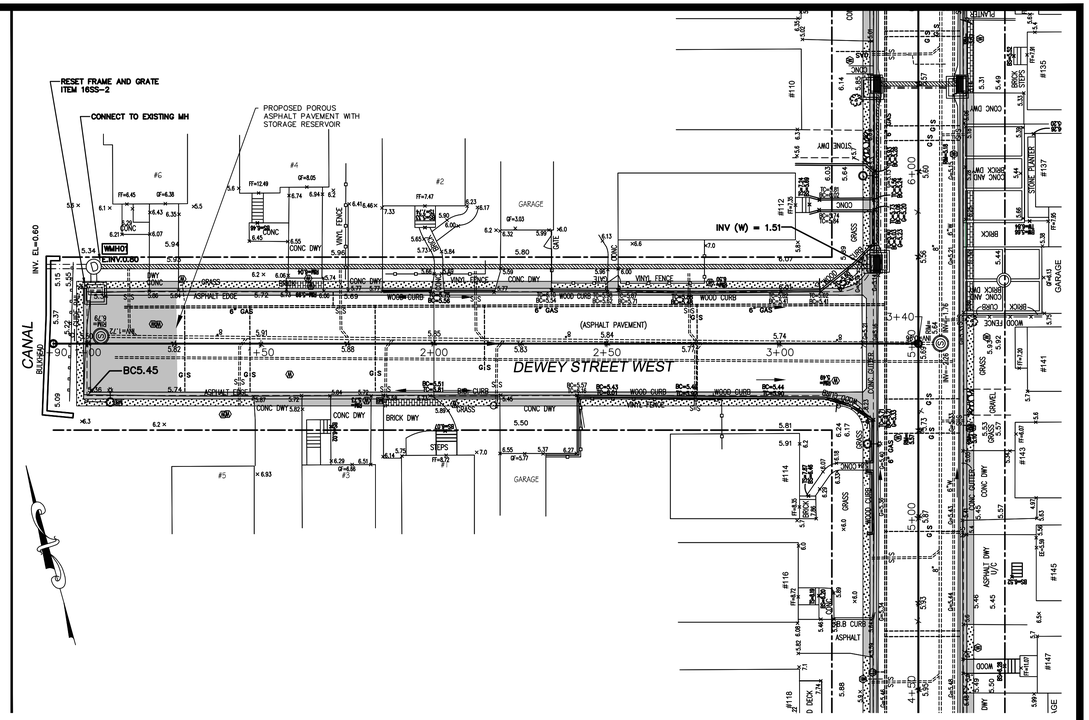
PLAN AND PROFILE EAST BLVD STA 19+75 THRU 25+69

G.O.S.R. STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS EAST BOULEVARD AND WEST BOULEVARD

BAY PARK, NEW YORK 11518

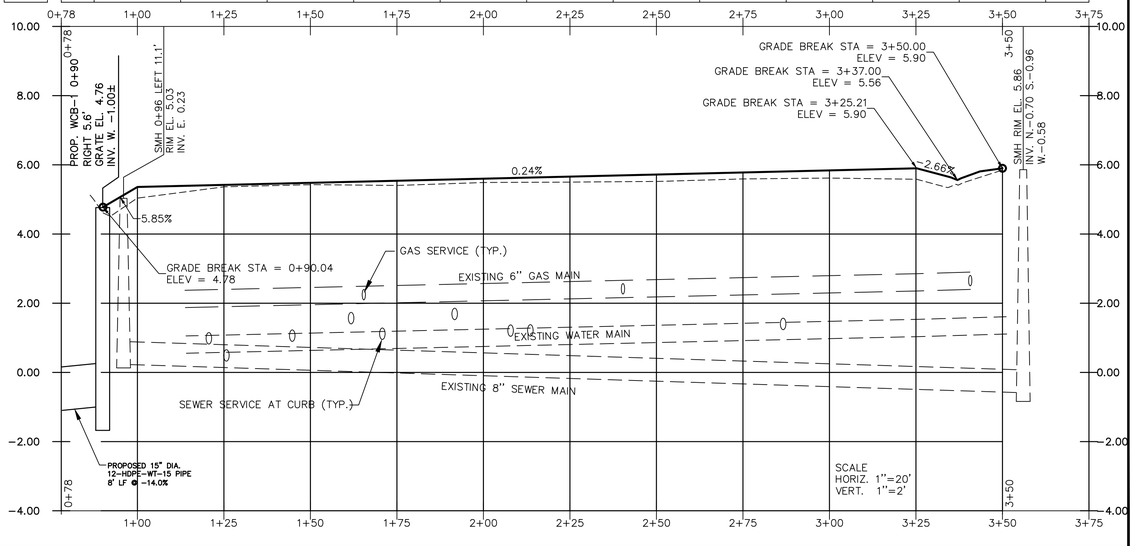
Scale:	AS NOTED
Date:	APRIL 2020
File No.:	18033.100
Dwg No.:	C309
Sheet No.:	15 of 34

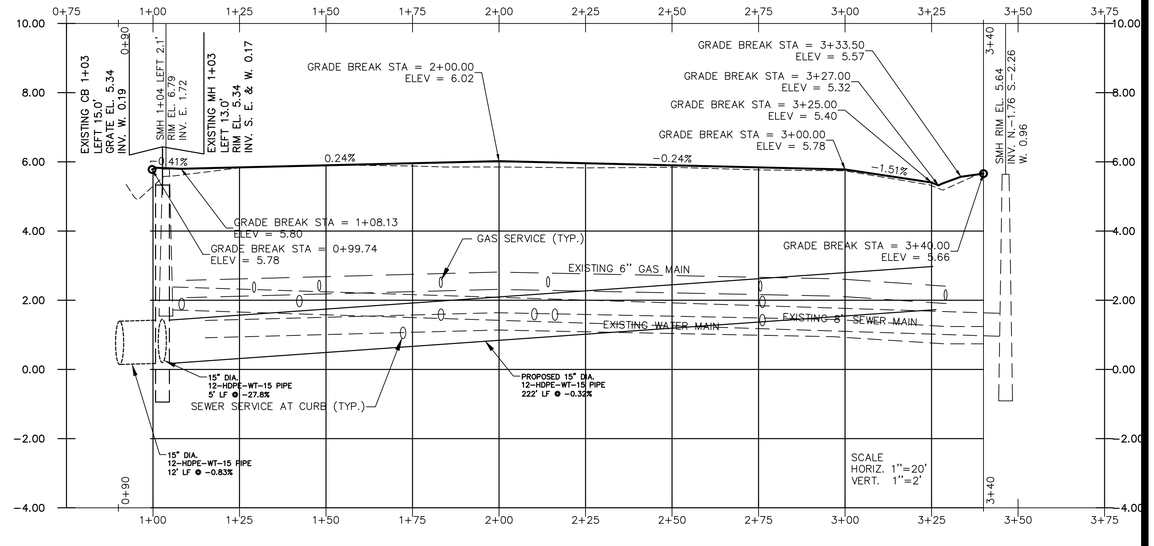




TG L		5.10	5.16	5.12	5.28	5.34	5.40	5.58	5.52	5.58	5.64	~~5.00~~	
BG L		5.02	5.08	5.14	5.20	5.26	5.32	5.38	5.44	5.50	5.56	~~5.00~~	
MID L		5.21	5.27	5.33	5.39	5.45	5.51	5.57	5.62	5.68	5.74	~~5.00~~	
CL		5.36	5.42	5.48	5.54	5.60	5.66	5.72	5.78	5.84	5.90	5.90	
MID R		5.20	5.26	5.32	5.38	5.44	5.50	5.56	5.62	5.68	5.74	~~5.00~~	
BG R		5.02	5.08	5.14	5.20	5.26	5.32	5.38	5.44	5.50	5.56	~~5.00~~	
TG R		5.10	5.16	5.22	5.28	5.34	5.40	5.46	5.52	5.58	5.64	~~5.04~~	

TG L						5.76	5.70	5.64	5.58	5.52	~~5.00~~		
BG L			5.50	5.56	5.62	5.68	5.62	5.56	5.50	5.44	5.34		
MID L		5.54	5.67	5.74	5.80	5.86	5.80	5.74	5.69	5.62	5.38		
CL		5.79	5.84	5.90	5.96	6.02	5.96	5.90	5.84	5.78	5.40		
MID R		5.54	5.68	5.74	5.80	5.86	5.80	5.74	5.69	5.62	5.42		
BG R			5.50	5.56	5.62	5.68	5.62	5.56	5.50	5.44	5.42		
TG R			5.58	5.64	5.70	5.76	5.70	5.64	5.58	5.52	~~5.00~~		





NO.	DATE	REVISIONS
1	3-9-20	REVISED AS PER TOWN COMMENTS
2	5-5-20	REVISED AS PER TOWN COMMENTS

In Charge:	–	J.A.G.
Compilation:	–	
Design:	–	V.L.
Drawn:	–	R.J.W
Checked:	–	J.A.G.
Reviewed:	–	

PLAN AND PROFILE NOTES:

1. EXISTING CONDITIONS SHOWN AS OF AUGUST 2018
2. UNDERGROUND UTILITIES SHOWN ARE BASED UPON LIMITED SCHEMATIC INFORMATION PROVIDED BY OTHERS. NOT ALL EXISTING UNDERGROUND UTILITY BRANCHES AND SERVICES ARE SHOWN. PRIVATE UTILITIES, IF EXISTING, ARE NOT SHOWN OR INDICATED
3. NEW CENTERLINE AND EXISTING CENTERLINE OF ROADWAY SHOWN IN PROFILE.
4. NEW CROSS SECTION OF ROADWAY SHALL BE PARABOLIC IN SHAPE EXCEPT WHEN WARPING TO MEET VALLEY GUTTERS AND WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT. NEW CROWN SHALL BE LOCATED AT CENTERLINE OF ROADWAY.
5. HORIZONTAL AND VERTICAL CONTROL DATUM IS IN NASSAU COUNTY DATUM. HORIZONTAL CONTROL NORTH AMERICAN DATUM OF 1983 (NAD83), NEW YORK STATE VERTICAL CONTROL INDICATED IS NGVD (1929), US SURVEY FEET.

TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644
Department of Engineering

PROFILE GRADE LEGEND

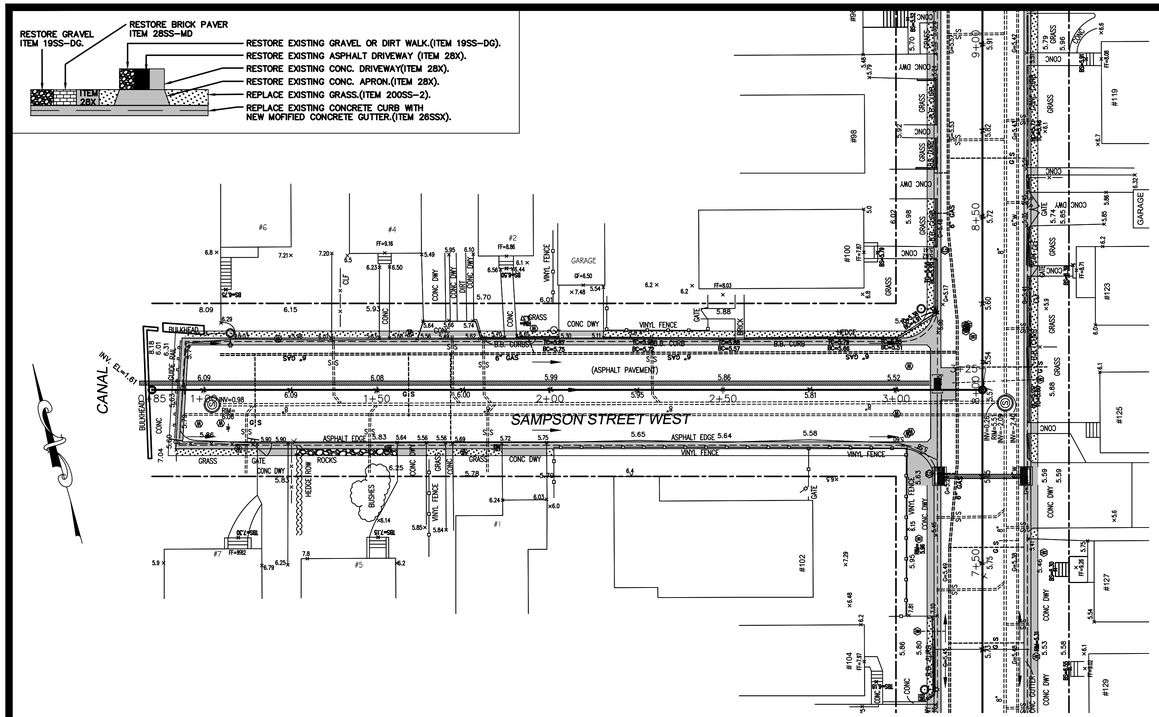
PROPOSED CENTERLINE ———————

EXISTING CENTERLINE - - - - - - - - - - - - - - - - - -

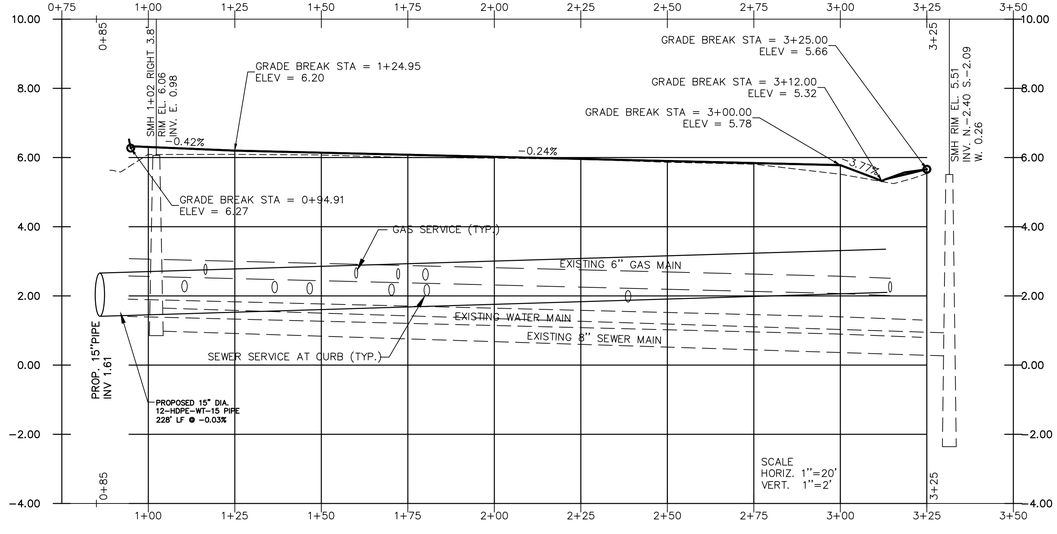
PLAN AND PROFILE
COOKE ST. W. STA 0+78 THRU 3+50
DEWEY ST.W. STA 0+90 THRU 3+40

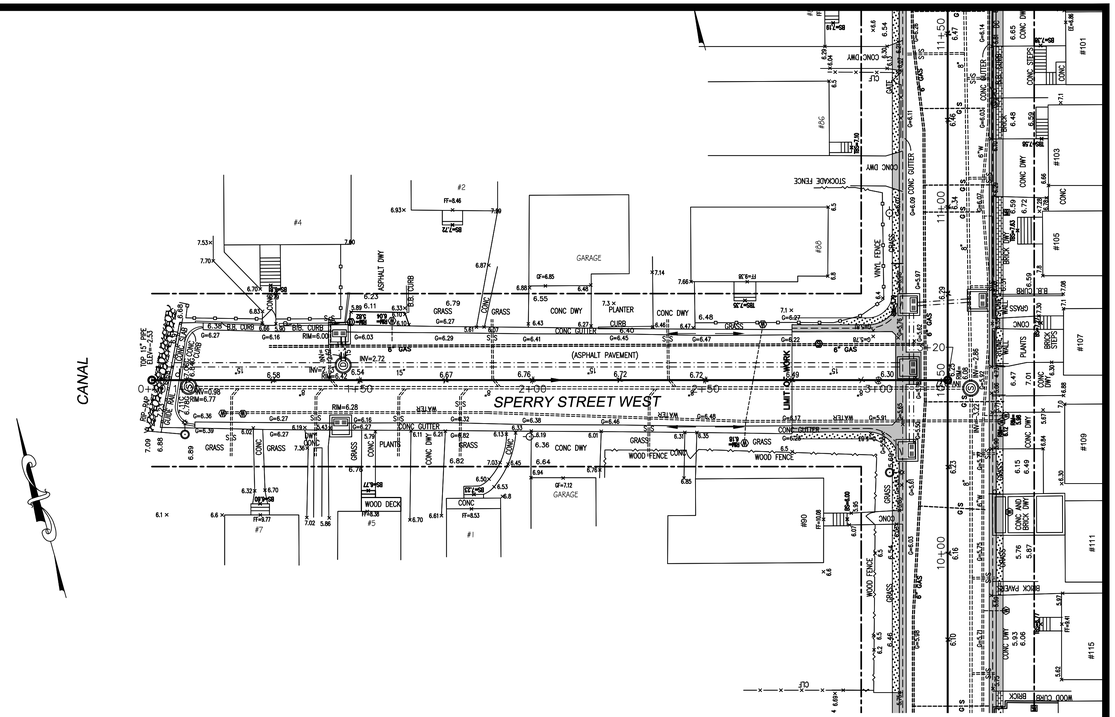
G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

Scale:	AS NOTED
Date:	APRIL 2020
File No.:	18033.100
Dwg No.:	C310
Sheet No.:	16 of 34

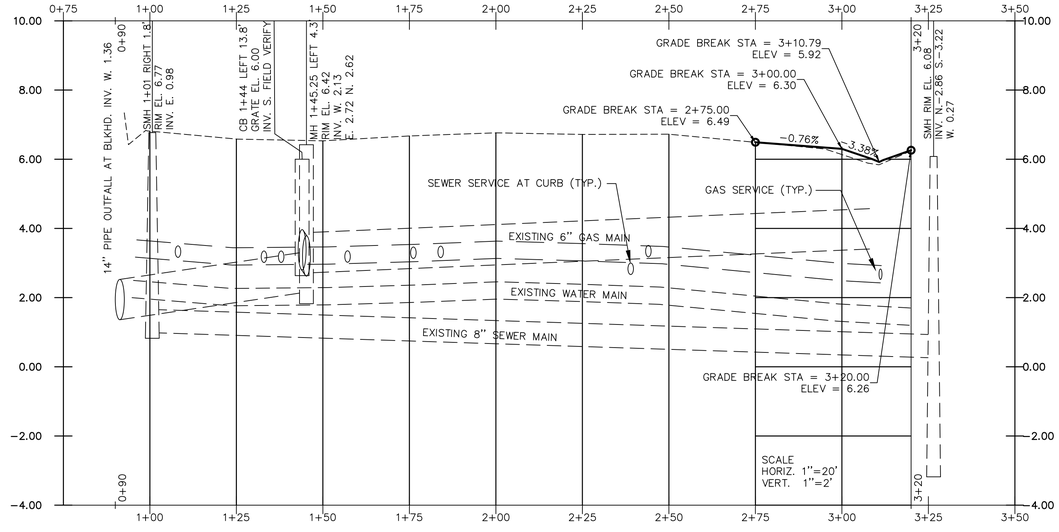


TG L		6.00	5.94	5.88	5.82 (THEO.)	5.76	5.70	5.64	5.58	5.52	
BG L		5.92	5.86	5.80	5.74	5.68	5.62	5.56	5.50	5.44	
MID L		6.14	6.04	5.98	5.92	5.86	5.80	5.74	5.68	5.62	
CL		6.30	6.20	6.14	6.08	6.02	5.96	5.90	5.84	5.78	5.66
MID R		6.14	6.04	5.98	5.92	5.86	5.80	5.74	5.68	5.62	
BG R		5.92	5.86	5.80	5.74	5.68	5.62	5.56	5.50	5.44	
TG R		6.00	5.94	5.88	5.82	5.76	5.70	5.64	5.58	5.52	





TG L										6.30	6.18
BG L										6.22	6.10
MID L										6.37	6.22
CL										6.49	6.30
MID R										6.34	6.12
BG R										6.17	5.91
TG R										6.26	5.99



NO.	DATE	REVISIONS
1	3-9-20	REVISED AS PER TOWN COMMENTS
2	5-5-20	REVISED AS PER TOWN COMMENTS

In Charge:	–	J.A.G.
Compilation:	–	
Design:	–	V.L.
Drawn:	–	R.J.W
Checked:	–	J.A.G.
Reviewed:	–	

PLAN AND PROFILE NOTES:

1. EXISTING CONDITIONS SHOWN AS OF AUGUST 2018
2. UNDERGROUND UTILITIES SHOWN ARE BASED UPON LIMITED SCHEMATIC INFORMATION PROVIDED BY OTHERS. NOT ALL EXISTING UNDERGROUND UTILITY BRANCHES AND SERVICES ARE SHOWN. PRIVATE UTILITIES, IF EXISTING, ARE NOT SHOWN OR INDICATED
3. NEW CENTERLINE AND EXISTING CENTERLINE OF ROADWAY SHOWN IN PROFILE.
4. NEW CROSS SECTION OF ROADWAY SHALL BE PARABOLIC IN SHAPE EXCEPT WHEN WARPING TO MEET VALLEY GUTTERS AND WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT. NEW CROWN SHALL BE LOCATED AT CENTERLINE OF ROADWAY.
5. HORIZONTAL AND VERTICAL CONTROL DATUM IS IN NASSAU COUNTY DATUM. HORIZONTAL CONTROL NORTH AMERICAN DATUM OF 1983 (NAD83), NEW YORK STATE VERTICAL CONTROL INDICATED IS NGVD (1929), US SURVEY FEET.

TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644
Department of Engineering

PROFILE GRADE LEGEND

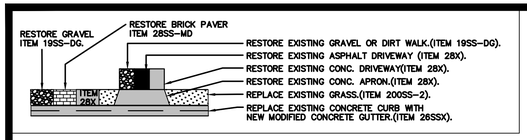
PROPOSED CENTERLINE ——————

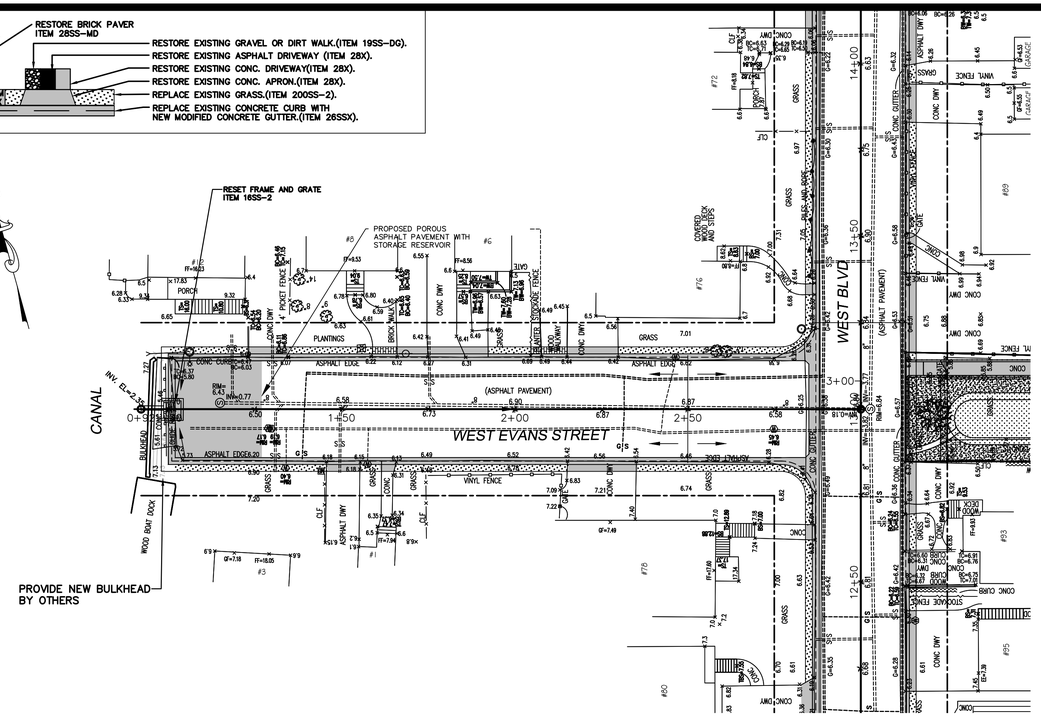
EXISTING CENTERLINE - - - - - - - - - - - - - - - - -

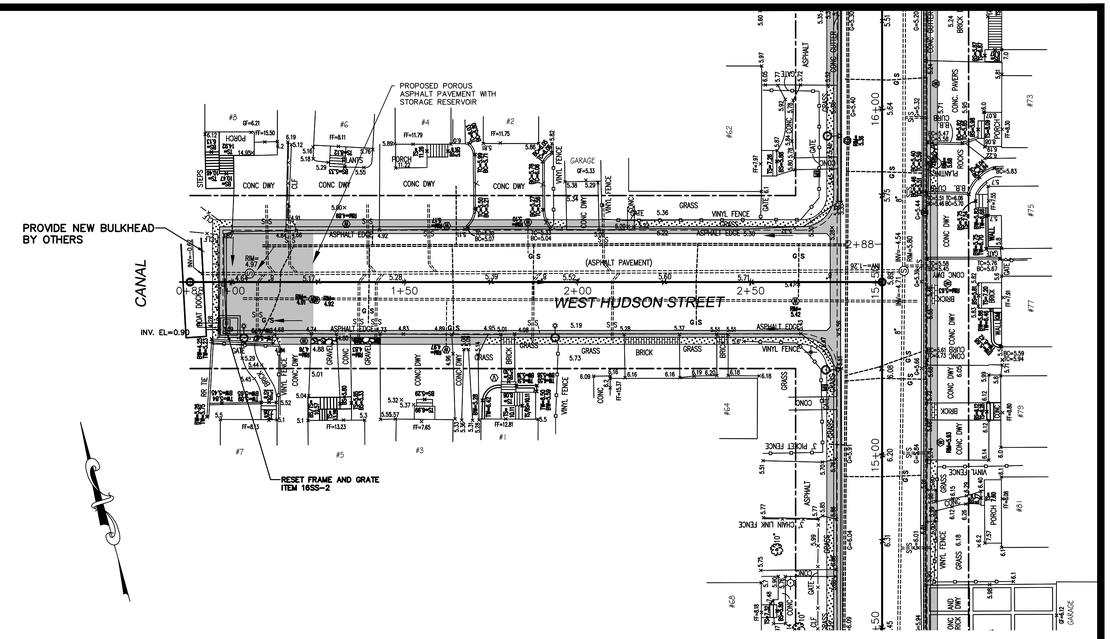
PLAN AND PROFILE
SAMPSON ST. W. STA 0+85 THRU 3+25
SPERRY ST. W. STA 0+90 THRU 3+20

G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

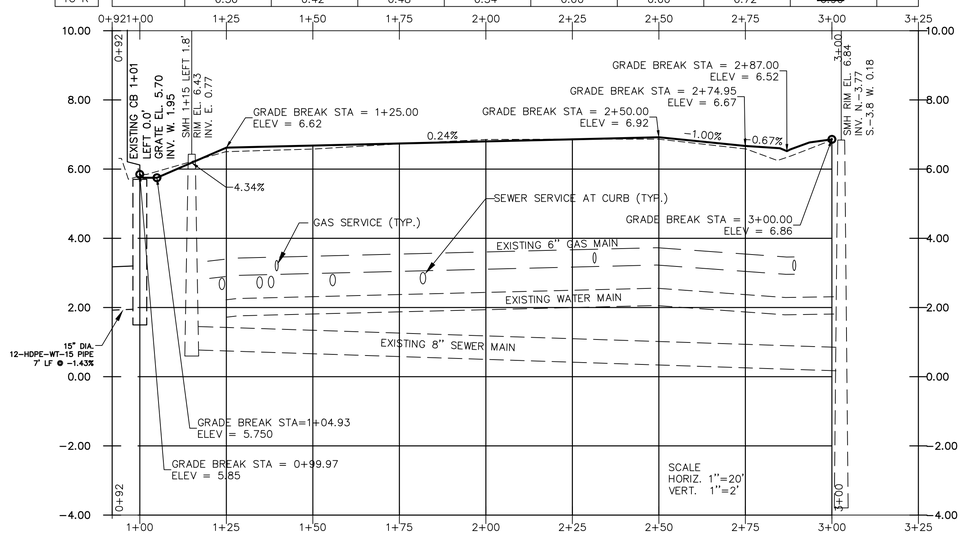
Scale:	AS NOTED
Date:	APRIL 2020
File No.:	18033.100
Dwg No.:	C311
Sheet No.:	17 of 34



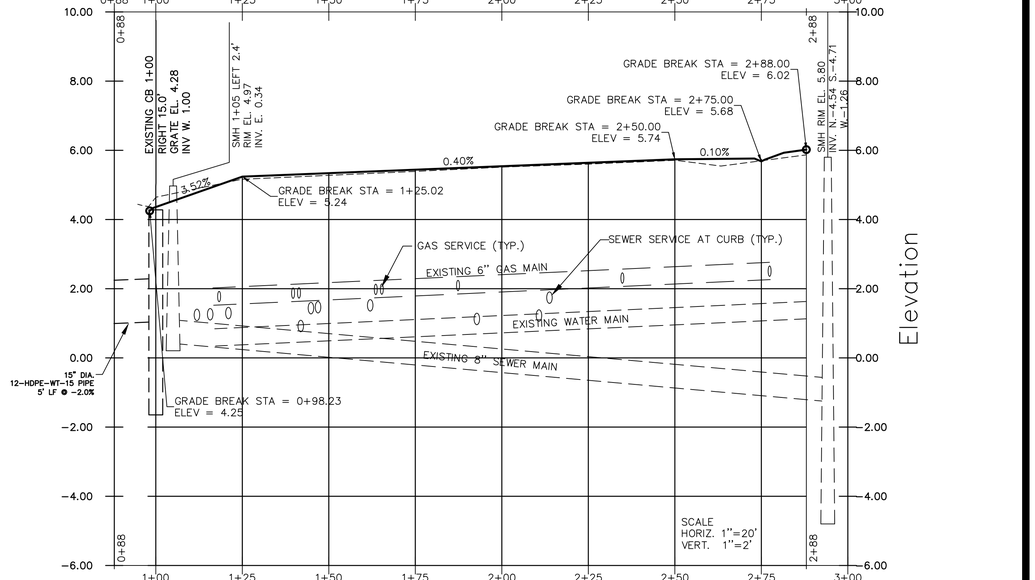




TG L		6.36	6.42	6.48	6.54	6.60	6.66	6.72	~~6.00~~	
BG L		6.28	6.34	6.40	6.46	6.52	6.58	6.64	~~6.00~~	
MID L	5.98	6.48	6.54	6.60	6.66	6.72	6.78	6.70	~~6.00~~	
CL	5.85	6.62	6.68	6.74	6.80	6.86	6.92	6.67	6.86	
MID R	5.98	6.48	6.54	6.60	6.66	6.72	6.78	6.70	~~6.00~~	
BG R		6.28	6.34	6.40	6.46	6.52	6.58	6.64	~~6.00~~	
TG R		6.36	6.42	6.48	6.54	6.60	6.66	6.72	~~6.00~~	



TG L	4.68	4.98	5.13	5.22	5.34	5.46	5.58	~~6.00~~	
BG L	4.43	4.90	5.05	5.14	5.26	5.38	5.50	~~6.00~~	
MID L	~~4.59~~ 4.39	5.10	5.21	5.31	5.42	5.53	5.64	~~6.00~~	
CL	4.36	5.24	5.34	5.44	5.54	5.64	5.74	5.68	
MID R	~~4.62~~ 4.32	5.10	5.24	5.32	5.43	5.55	5.66	~~6.00~~	
BG R	4.28	4.90	5.02	5.14	5.26	5.38	5.50	~~6.00~~	
TG R	4.53	4.98	5.10	5.22	5.34	5.46	5.58	~~6.00~~	



NO.	DATE	REVISIONS
1	3-9-20	REVISED AS PER TOWN COMMENTS
2	5-5-20	REVISED AS PER TOWN COMMENTS

In Charge:	–	J.A.G.
Compilation:	–	
Design:	–	V.L.
Drawn:	–	R.J.W
Checked:	–	J.A.G.
Reviewed:	–	

PLAN AND PROFILE NOTES:

1. EXISTING CONDITIONS SHOWN AS OF AUGUST 2018
2. UNDERGROUND UTILITIES SHOWN ARE BASED UPON LIMITED SCHEMATIC INFORMATION PROVIDED BY OTHERS. NOT ALL EXISTING UNDERGROUND UTILITY BRANCHES AND SERVICES ARE SHOWN. PRIVATE UTILITIES, IF EXISTING, ARE NOT SHOWN OR INDICATED
3. NEW CENTERLINE AND EXISTING CENTERLINE OF ROADWAY SHOWN IN PROFILE.
4. NEW CROSS SECTION OF ROADWAY SHALL BE PARABOLIC IN SHAPE EXCEPT WHEN WARPING TO MEET VALLEY GUTTERS AND WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT. NEW CROWN SHALL BE LOCATED AT CENTERLINE OF ROADWAY.
5. HORIZONTAL AND VERTICAL CONTROL DATUM IS IN NASSAU COUNTY DATUM. HORIZONTAL CONTROL NORTH AMERICAN DATUM OF 1983 (NAD83), NEW YORK STATE VERTICAL CONTROL INDICATED IS NGVD (1929), US SURVEY FEET.

TOWN OF HEMPSTEAD, N.Y.
FOUNDED 1644
Department of Engineering

PROFILE GRADE LEGEND

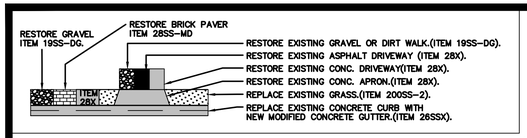
PROPOSED CENTERLINE ——————

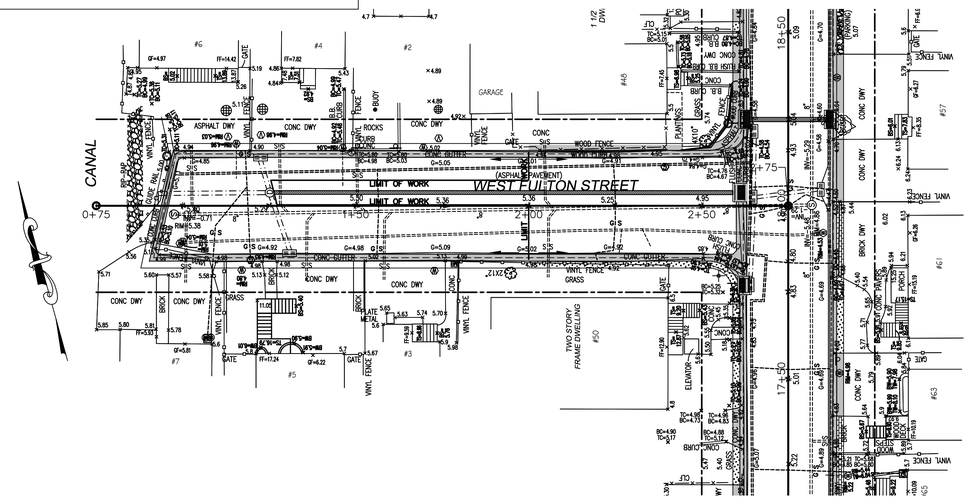
EXISTING CENTERLINE - - - - - - - - - - - - - - - - - -

PLAN AND PROFILE
EVANS ST. W. STA 0+92 THRU 3+00
HUDSON ST. W. STA 0+88 THRU 2+88

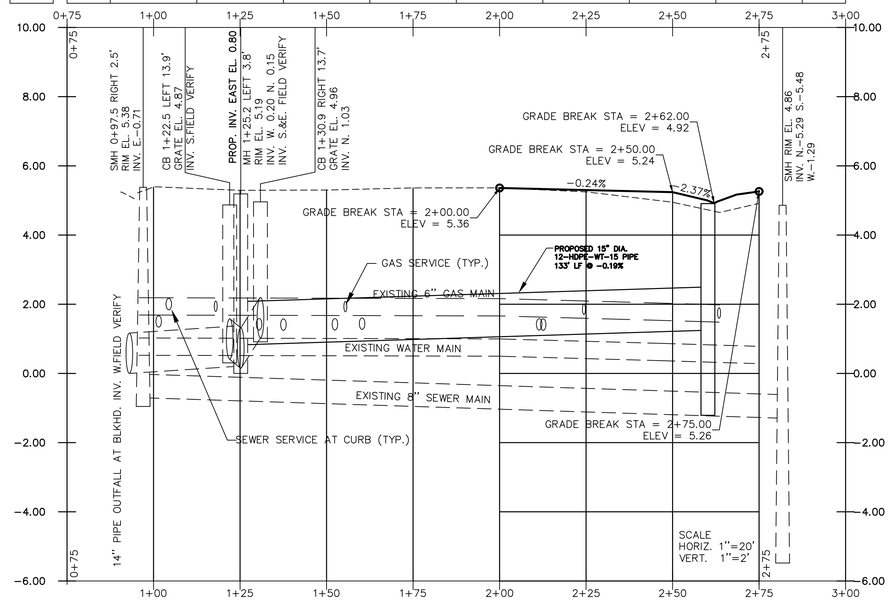
G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

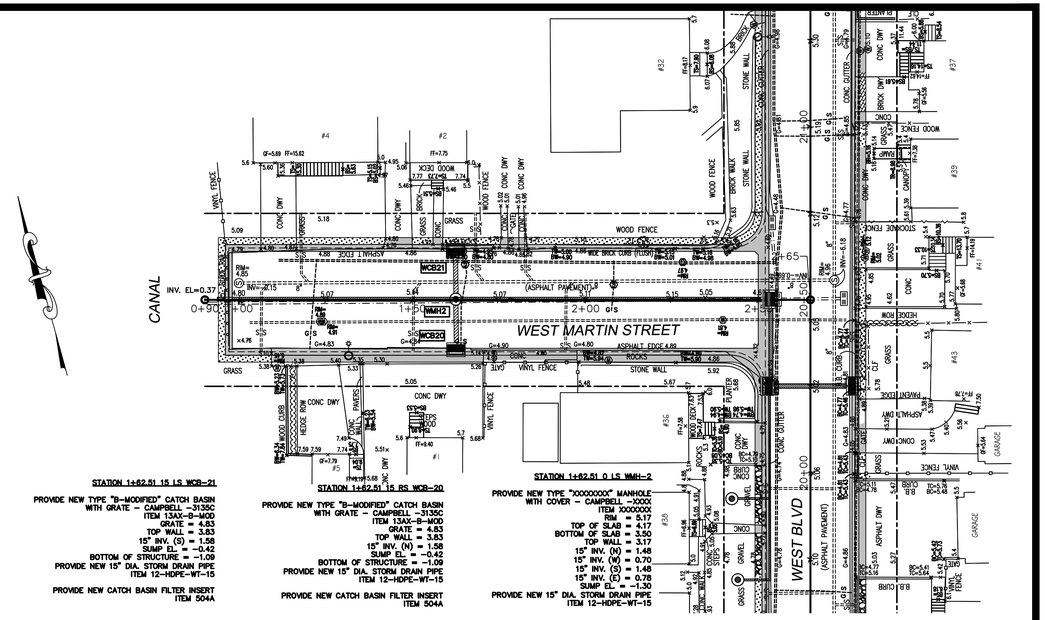
Scale:	AS NOTED
Date:	APRIL 2020
File No.:	18033.100
Dwg No.:	C312
Sheet No.:	18 of 34





TG L						5.10	5.04	4.98	~~5.00~~	
BG L						5.02	4.96	4.90	~~4.98~~	
MID L						5.28	5.14	5.08	~~5.16~~	
CL						5.36	5.30	5.24	5.26	
MID R						5.28	5.14	5.08	~~5.16~~	
BG R						5.02	4.96	4.90	~~4.98~~	
TG R						5.10	5.04	4.98	~~5.00~~	



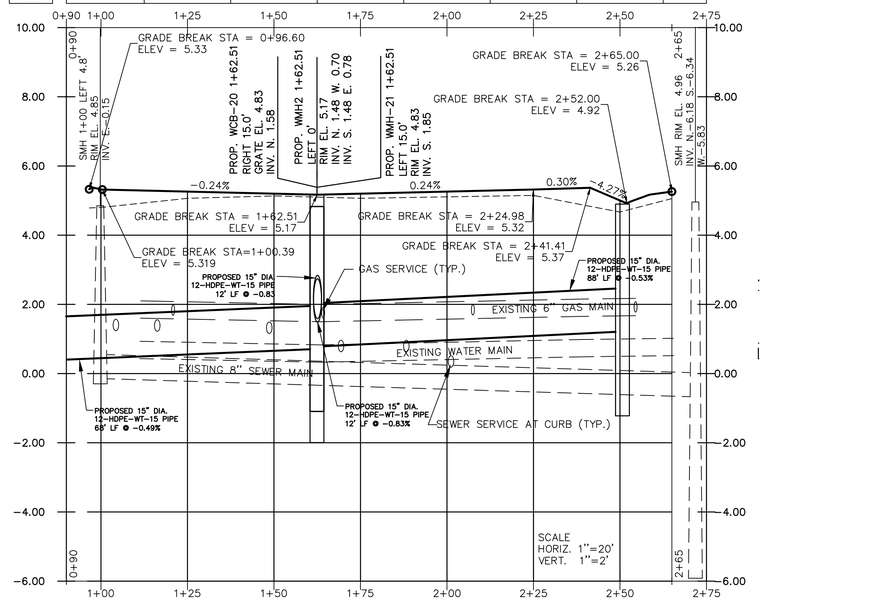


STATION 1+62.51 15 LS WCB-21
PROVIDE NEW TYPE "B-MODIFIED" CATCH BASIN
WITH GRATE - CAMPBELL -3135C
ITEM 13AX-B-MOD
GRATE = 4.83
TOP WALL = 3.83
15" INV. (S) = 1.58
SUMP EL. = -0.42
BOTTOM OF STRUCTURE = -1.09
PROVIDE NEW 15" DIA. STORM DRAIN PIPE
ITEM 12-HDPE-WT-15
PROVIDE NEW CATCH BASIN FILTER INSERT
ITEM 504A

STATION 1+62.51 15 RS WCB-20
PROVIDE NEW TYPE "B-MODIFIED" CATCH BASIN
WITH GRATE - CAMPBELL -3135C
ITEM 13AX-B-MOD
GRATE = 4.83
TOP WALL = 3.83
15" INV. (N) = 1.58
SUMP EL. = -0.42
BOTTOM OF STRUCTURE = -1.09
PROVIDE NEW 15" DIA. STORM DRAIN PIPE
ITEM 12-HDPE-WT-15
PROVIDE NEW CATCH BASIN FILTER INSERT
ITEM 504A

STATION 1+62.51 0 LS WMH-2
PROVIDE NEW TYPE "XXXXXXXX" MANHOLE
WITH COVER - CAMPBELL -XXXX
ITEM XXXXXXX
RIM = 5.17
TOP OF SLAB = 4.17
BOTTOM OF SLAB = 3.50
TOP WALL = 3.17
15" INV. (N) = 1.48
15" INV. (W) = 0.70
15" INV. (S) = 1.48
15" INV. (E) = 0.78
SUMP EL. = -1.30
PROVIDE NEW 15" DIA. STORM DRAIN PIPE
ITEM 12-HDPE-WT-15

TG L	5.22	5.00	4.94	4.94	5.00	5.06	~~5.12~~			
BG L	5.14	4.92	4.86	4.86	4.92	4.98	~~5.04~~			
MID L	5.20	5.10	5.04	5.04	5.10	5.16	~~5.22~~			
CL	5.33	5.26	5.20	5.20	5.26	5.32	5.00			
MID R	5.20	5.10	5.04	5.04	5.10	5.16	~~5.22~~			
BG R	5.13	4.92	4.86	4.86	4.92	4.98	~~5.04~~			
TG R	5.21	5.05	5.10	4.99	5.00	5.06	~~5.12~~			



NO.	DATE	REVISIONS
1	3-9-20	REVISED AS PER TOWN COMMENTS
2	5-5-20	REVISED AS PER TOWN COMMENTS

In Charge:	–	J.A.G.
Compilation:-		
Design:	–	V.L.
Drawn:	–	R.J.W
Checked:	–	J.A.G.
Reviewed:	–	

PLAN AND PROFILE NOTES:

1. EXISTING CONDITIONS SHOWN AS OF AUGUST 2018.
2. UNDERGROUND UTILITIES SHOWN ARE BASED UPON LIMITED SCHEMATIC INFORMATION PROVIDED BY OTHERS. NOT ALL EXISTING UNDERGROUND UTILITY BRANCHES AND SERVICES ARE SHOWN. PRIVATE UTILITIES, IF EXISTING, ARE NOT SHOWN OR INDICATED.
3. NEW CENTERLINE AND EXISTING CENTERLINE OF ROADWAY SHOWN IN PROFILE.
4. NEW CROSS SECTION OF ROADWAY SHALL BE PARABOLIC IN SHAPE EXCEPT WHEN WARPING TO MEET VALLEY GUTTERS AND WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT. NEW CROWN SHALL BE LOCATED AT CENTERLINE OF ROADWAY.
5. HORIZONTAL AND VERTICAL CONTROL DATUM IS IN NASSAU COUNTY DATUM. HORIZONTAL CONTROL NORTH AMERICAN DATUM OF 1983 (NAD83), NEW YORK STATE VERTICAL CONTROL INDICATED IS NGVD (1929), US SURVEY FEET.

TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644

Department of Engineering

PROFILE GRADE LEGEND

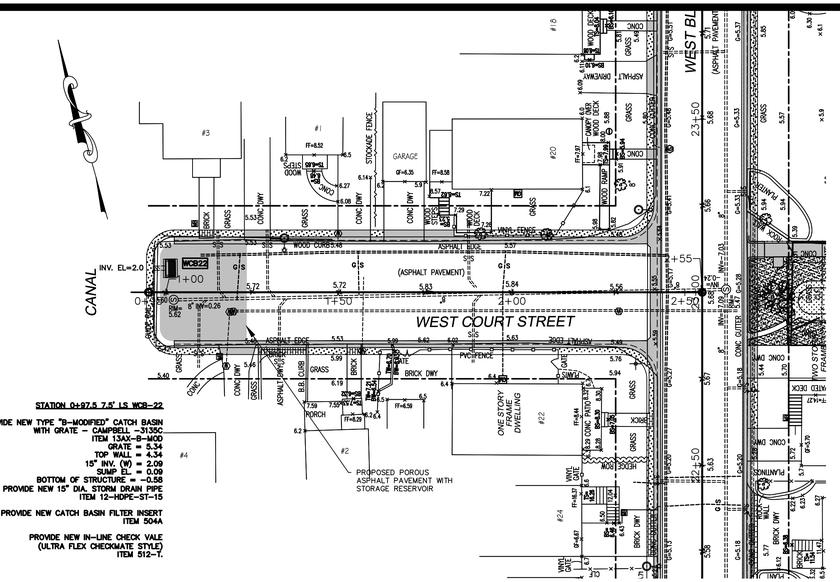
PROPOSED CENTERLINE ———————

EXISTING CENTERLINE - - - - - - - - - - - - - - - - - -

PLAN AND PROFILE
FULTON ST. W. STA 0+75 THRU 2+75
MARTIN ST. W. STA 0+90 THRU 2+65

G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

Scale:	AS NOTED
Date:	APRIL 2020
File No.:	18033.100
Dwg No.:	C313
Sheet No.:	19 of 34



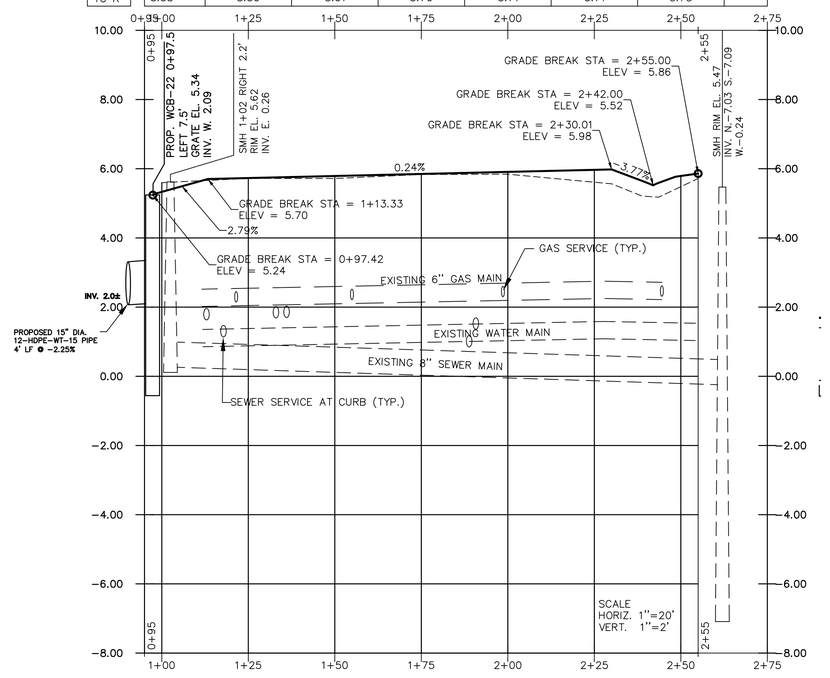
STATION 0+97.5 7.5' LS WCB-22

PROVIDE NEW TYPE "B-MODIFIED" CATCH BASIN WITH GRATE – CAMPBELL –3135C
ITEM 13AX-B-MOD
GRATE = 5.34
TOP WALL = 4.34
15" INV. (W) = 2.09
SUMP EL. = 2.09
BOTTOM OF STRUCTURE = –0.58
PROVIDE NEW 15" DIA. STORM DRAIN PIPE
ITEM 12-HDPE-ST-15

PROVIDE NEW CATCH BASIN FILTER INSERT
ITEM 504A

PROVIDE NEW IN-LINE CHECK VALE
(ULTRA FLEX CHECKMATE STYLE)
ITEM 512-T

TG L		5.49	5.63	5.60	5.66	5.76	~~5.70~~	
BG L		5.40	5.46	5.52	5.58	5.63	~~5.70~~	
MID L	5.33	5.58	5.64	5.70	5.76	5.81	~~5.70~~	
CL	5.33	5.74	5.80	5.86	5.92	5.97	5.74	
MID R	5.37	5.58	5.64	5.70	5.76	5.81	~~5.70~~	
BG R		5.40	5.46	5.52	5.58	5.63	~~5.70~~	
TG R	5.38	5.50	5.61	5.70	5.71	5.71	~~5.70~~	



STATION 1+25– 15' RS ECB1

DEMOLISH EXISTING CATCH BASINS
ITEM 48X

REMOVE EXISTING DRAIN PIPE
ITEM 4SS

PROVIDE NEW TYPE "B-MODIFIED" CATCH BASIN WITH GRATE – CAMPBELL –3135C
ITEM 13AX-B-MOD
GRATE = 5.10
TOP WALL = 4.10
15" INV. (N) = 1.85
SUMP EL. = –0.15
BOTTOM OF STRUCTURE = –0.82

PROVIDE NEW 15" DIA. STORM DRAIN PIPE
ITEM 12-HDPE-ST-15

PROVIDE NEW CATCH BASIN FILTER INSERT
ITEM 504A

STATION 1+25 15 LS ECB2

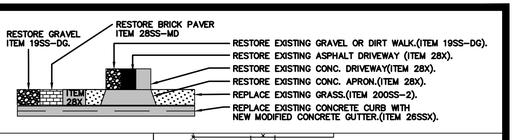
DEMOLISH EXISTING CATCH BASINS
ITEM 48X

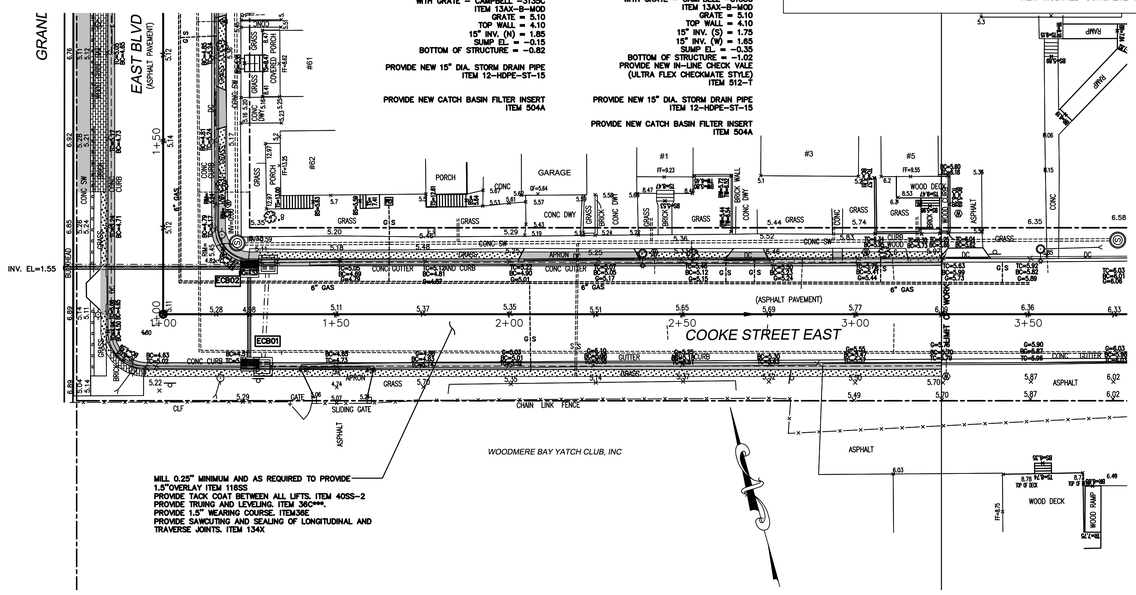
REMOVE EXISTING DRAIN PIPE
ITEM 4SS

PROVIDE NEW TYPE "B-MODIFIED" CATCH BASIN WITH GRATE – CAMPBELL –3135C
ITEM 13AX-B-MOD
GRATE = 5.10
TOP WALL = 4.10
15" INV. (S) = 1.75
15" INV. (W) = 1.65
SUMP EL. = –0.35
BOTTOM OF STRUCTURE = –1.02
PROVIDE NEW IN-LINE CHECK VALE
(ULTRA FLEX CHECKMATE STYLE)
ITEM 512-T

PROVIDE NEW 15" DIA. STORM DRAIN PIPE
ITEM 12-HDPE-ST-15

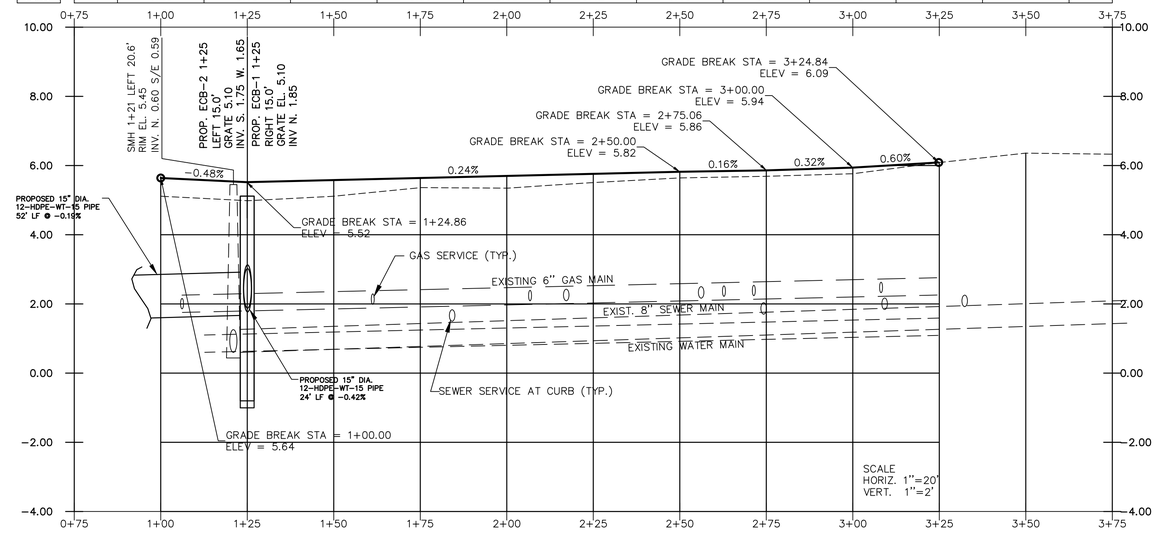
PROVIDE NEW CATCH BASIN FILTER INSERT
ITEM 504A





MILL 0.25" MINIMUM AND AS REQUIRED TO PROVIDE 1.5"OVERLAY ITEM 116SS
PROVIDE TACK COAT BETWEEN ALL LIFTS. ITEM 40SS–2
PROVIDE TRUING AND LEVELING. ITEM 36C***.
PROVIDE 1.5" WEARING COURSE. ITEM36E.
PROVIDE SAWCUTING AND SEALING OF LONGITUDINAL AND TRAVERSE JOINTS. ITEM 134X

TG L		~~5.00~~	5.18	5.24	5.30	5.36	5.42	5.48	5.52	5.60			
BG L		~~5.00~~	5.10	5.16	5.22	5.28	5.34	5.40	5.44	5.52			
MID L		~~5.00~~	5.32	5.38	5.44	5.50	5.56	5.62	5.66	5.74			
CL		5.64	5.52	5.58	5.64	5.70	5.76	5.82	5.86	5.94			
MID R		5.41	5.32	5.38	5.44	5.50	5.56	5.62	5.66	5.74			
BG R		5.15	5.10	5.16	5.22	5.28	5.34	5.40	5.44	5.52			
TG R		5.23	5.18	5.24	5.30	5.36	5.42	5.48	5.61	5.60			



NO.	DATE	REVISIONS
1	3–9–20	REVISED AS PER TOWN COMMENTS
2	5–5–20	REVISED AS PER TOWN COMMENTS

In Charge:	–	J.A.G.
Compilation:–		
Design:	–	V.L.
Drawn:	–	R.J.W
Checked:	–	J.A.G.
Reviewed:	–	

PLAN AND PROFILE NOTES:

1. EXISTING CONDITIONS SHOWN AS OF AUGUST 2018.
2. UNDERGROUND UTILITIES SHOWN ARE BASED UPON LIMITED SCHEMATIC INFORMATION PROVIDED BY OTHERS. NOT ALL EXISTING UNDERGROUND UTILITY BRANCHES AND SERVICES ARE SHOWN. PRIVATE UTILITIES, IF EXISTING, ARE NOT SHOWN OR INDICATED
3. NEW CENTERLINE AND EXISTING CENTERLINE OF ROADWAY SHOWN IN PROFILE.
4. NEW CROSS SECTION OF ROADWAY SHALL BE PARABOLIC IN SHAPE EXCEPT WHEN WARPING TO MEET VALLEY GUTTERS AND WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT. NEW CROWN SHALL BE LOCATED AT CENTERLINE OF ROADWAY.
5. HORIZONTAL AND VERTICAL CONTROL DATUM IS IN NASSAU COUNTY DATUM. HORIZONTAL CONTROL NORTH AMERICAN DATUM OF 1983 (NAD83), NEW YORK STATE VERTICAL CONTROL INDICATED IS NGVD (1929), US SURVEY FEET.

TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644
Department of Engineering

PROFILE GRADE LEGEND

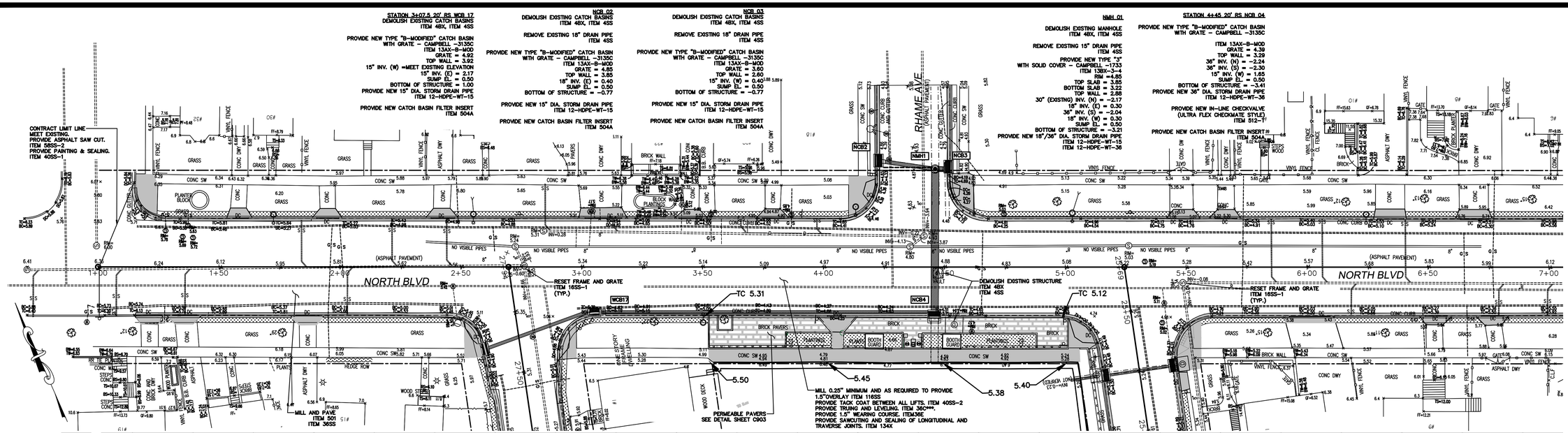
PROPOSED CENTERLINE ———————

EXISTING CENTERLINE – – – – – – – – – –

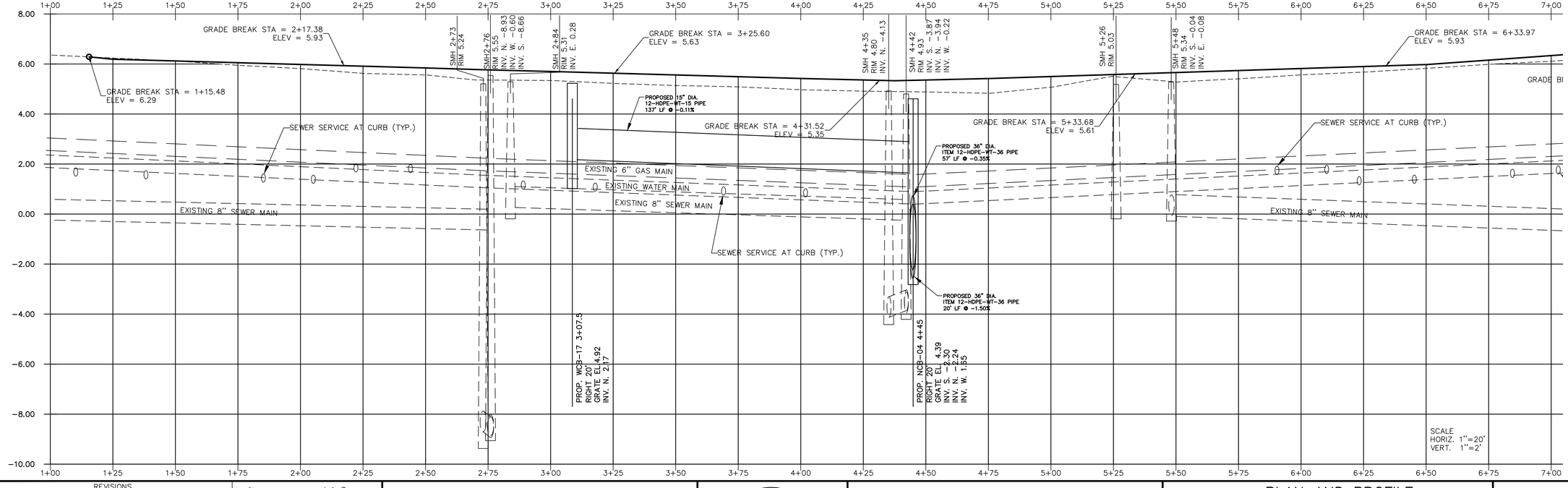
PLAN AND PROFILE
COURT ST. W. STA 0+95 THRU 2+55
COOKE ST. E. STA 1+00 THRU 3+75

G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

Scale:	AS NOTED
Date:	APRIL 2020
File No.:	18033.100
Dwg No.:	C314
Sheet No.:	20 of 34



TG L		5.79	5.81	5.65	5.56	5.49	5.42	5.35	5.28	5.21	5.14	5.07	5.00	[illegible]	[illegible]	5.01	5.08	5.16	5.24	5.32	5.40	5.54	5.62	5.73	5.99
BG L		5.71	5.62	5.55	5.48	5.41	5.34	5.27	5.20	5.13	5.06	4.99	4.92	5.11	5.15	4.93	5.00	5.08	5.16	5.24	5.32	5.40	5.48	5.65	5.84
MID L		5.96	5.88	5.81	5.74	5.68	5.60	5.53	5.46	5.39	5.32	5.25	5.18	5.23	5.26	5.19	5.26	5.34	5.42	5.50	5.58	5.66	5.74	5.92	6.10
CL		6.19	6.12	6.05	5.98	5.91	5.84	5.77	5.70	5.63	5.56	5.49	5.42	5.36	5.36	5.42	5.50	5.58	5.66	5.74	5.82	5.90	5.98	6.15	6.34
MID R		5.95	5.88	5.81	5.74	5.68	5.61	5.53	5.48	5.39	5.32	5.25	5.18	5.12	5.12	5.18	5.26	5.54	5.45	5.50	5.58	5.66	5.74	5.92	6.10
BG R		5.69	5.62	5.55	5.48	5.41	5.38	5.28	5.25	5.13	5.06	4.99	4.92	4.86	4.86	4.92	5.01	5.47	5.25	5.24	5.32	5.40	5.48	5.65	5.84
TG R		5.93	5.87	5.80	5.73	5.66	5.46	[illegible]	5.33	5.38	5.31	5.24	5.17	5.11	5.11	5.17	5.12	[illegible]	[illegible]	5.49	5.57	5.65	5.73	5.90	6.08



NO.	DATE	REVISIONS
1	3-9-20	REVISED AS PER TOWN COMMENTS
2	5-5-20	REVISED AS PER TOWN COMMENTS

In Charge:	–	J.A.G.
Compilation:	–	
Design:	–	V.L.
Drawn:	–	R.J.W
Checked:	–	J.A.G.
Reviewed:	–	

PLAN AND PROFILE NOTES:

1. EXISTING CONDITIONS SHOWN AS OF AUGUST 2018.
2. UNDERGROUND UTILITIES SHOWN ARE BASED UPON LIMITED SCHEMATIC INFORMATION PROVIDED BY OTHERS. NOT ALL EXISTING UNDERGROUND UTILITY BRANCHES AND SERVICES ARE SHOWN. PRIVATE UTILITIES, IF EXISTING, ARE NOT SHOWN OR INDICATED.
3. NEW CENTERLINE AND EXISTING CENTERLINE OF ROADWAY SHOWN IN PROFILE.
4. NEW CROSS SECTION OF ROADWAY SHALL BE PARABOLIC IN SHAPE EXCEPT WHEN WARPING TO MEET VALLEY GUTTERS AND WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT. NEW CROWN SHALL BE LOCATED AT CENTERLINE OF ROADWAY.
5. HORIZONTAL AND VERTICAL CONTROL DATUM IS IN NASSAU COUNTY DATUM. HORIZONTAL CONTROL NORTH AMERICAN DATUM OF 1983 (NAD83), NEW YORK STATE VERTICAL CONTROL INDICATED IS NGVD (1929), US SURVEY FEET.

TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644

Department of Engineering

PROFILE GRADE LEGEND

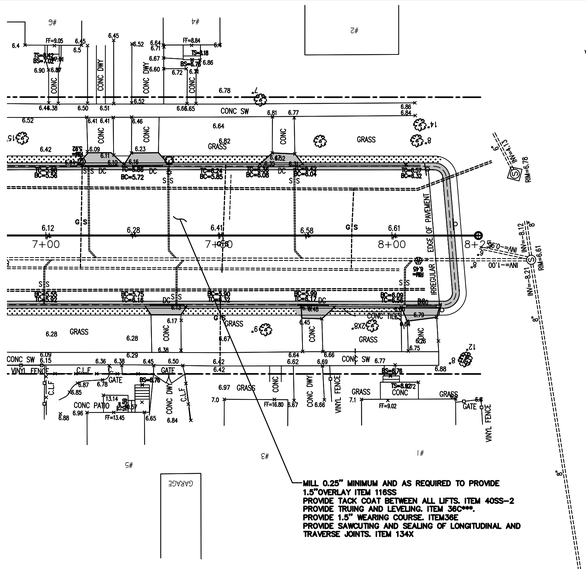
PROPOSED CENTERLINE ———————

EXISTING CENTERLINE - - - - - - - - - - - - - - - - -

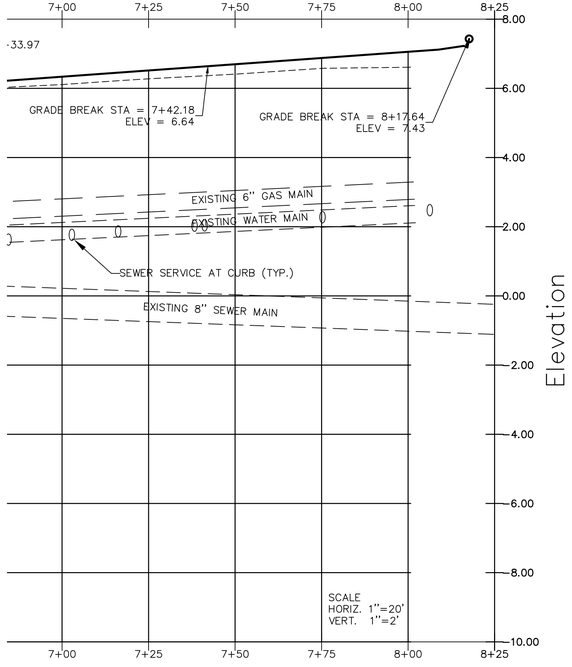
PLAN AND PROFILE
NORTH BLVD
STA 1+00 THRU 7+00

G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

Scale:	AS NOTED
Date:	APRIL 2020
File No.:	18033.100
Dwg No.:	C315
Sheet No.:	21 of 34



	5.99	6.10	6.28	6.46	6.64		TG L
	5.84	6.02	6.20	6.38	6.56		BG L
	6.10	6.28	6.46	6.64	6.82		MID L
	6.34	6.52	6.70	6.88	7.06		CL
	6.10	6.28	6.46	6.64	6.82		MID R
	5.84	6.02	6.20	6.38	6.56		BG R
	6.08	6.26	6.44	6.62	6.80		TG R



NO.	DATE	REVISIONS
1	3-9-20	REVISED AS PER TOWN COMMENTS
2	5-5-20	REVISED AS PER TOWN COMMENTS

In Charge:	–	J.A.G.
Compilation:	–	
Design:	–	V.L.
Drawn:	–	R.J.W
Checked:	–	J.A.G.
Reviewed:	–	

PLAN AND PROFILE NOTES:

1. EXISTING CONDITIONS SHOWN AS OF AUGUST 2018
2. UNDERGROUND UTILITIES SHOWN ARE BASED UPON LIMITED SCHEMATIC INFORMATION PROVIDED BY OTHERS. NOT ALL EXISTING UNDERGROUND UTILITY BRANCHES AND SERVICES ARE SHOWN. PRIVATE UTILITIES, IF EXISTING, ARE NOT SHOWN OR INDICATED
3. NEW CENTERLINE AND EXISTING CENTERLINE OF ROADWAY SHOWN IN PROFILE.
4. NEW CROSS SECTION OF ROADWAY SHALL BE PARABOLIC IN SHAPE EXCEPT WHEN WARPING TO MEET VALLEY GUTTERS AND WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT. NEW CROWN SHALL BE LOCATED AT CENTERLINE OF ROADWAY.
5. HORIZONTAL AND VERTICAL CONTROL DATUM IS IN NASSAU COUNTY DATUM. HORIZONTAL CONTROL NORTH AMERICAN DATUM OF 1983 (NAD83), NEW YORK STATE VERTICAL CONTROL INDICATED IS NGVD (1929), US SURVEY FEET.

TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644

Department of Engineering

PROFILE GRADE LEGEND

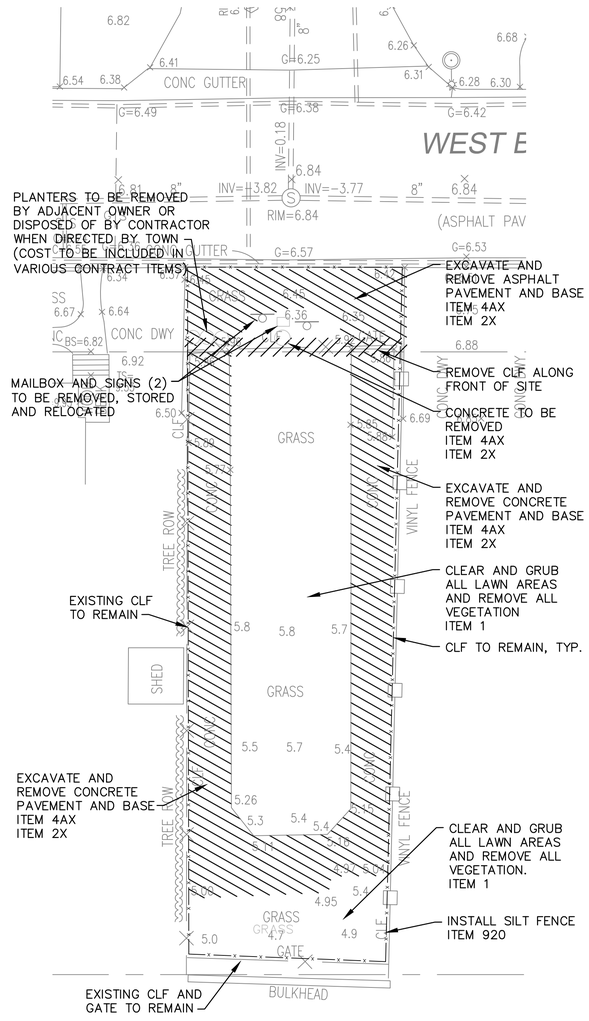
PROPOSED CENTERLINE ———————

EXISTING CENTERLINE - - - - - - - - - - - - - - - - - -

PLAN AND PROFILE
NORTH BLVD
STA 7+00 THRU 8+25

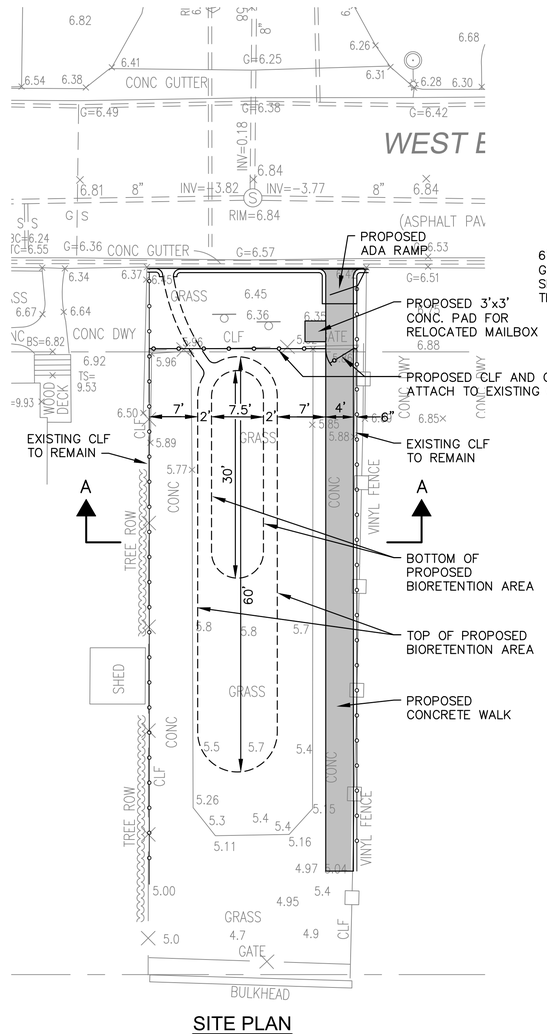
G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

Scale:	AS NOTED
Date:	APRIL 2020
File No.:	18033.100
Dwg No.:	C316
Sheet No.:	22 of 34



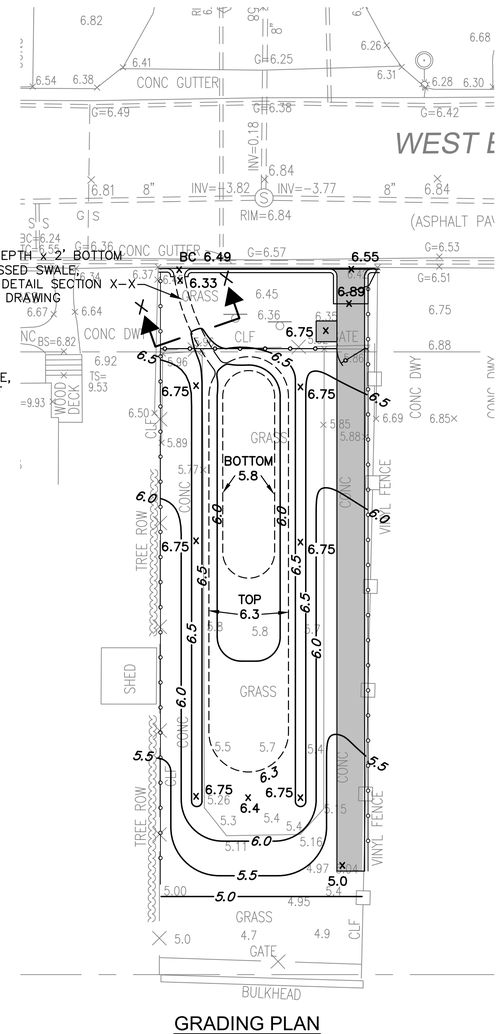
DEMOLITION AND REMOVAL PLAN

SCALE 1" = 10'



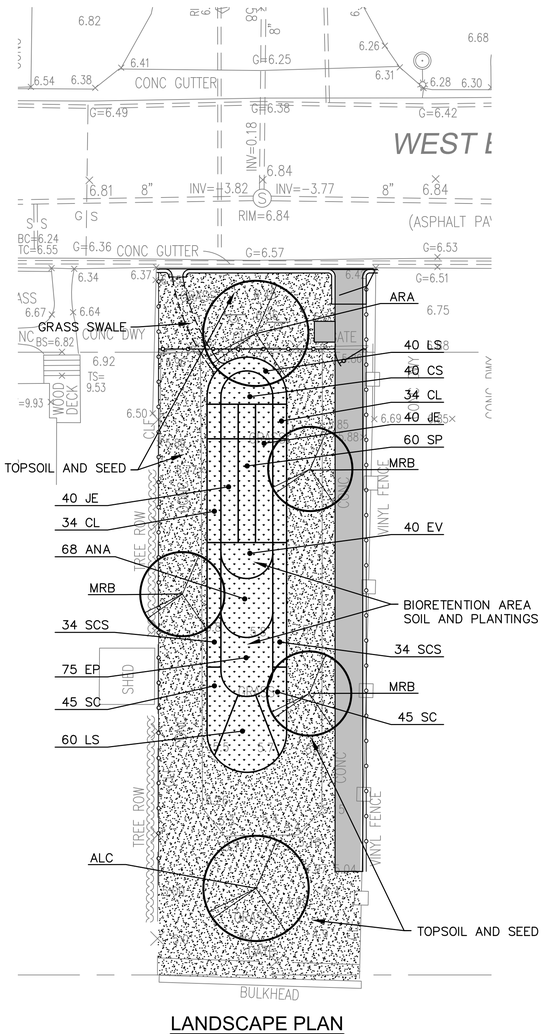
SITE PLAN

SCALE 1" = 10'



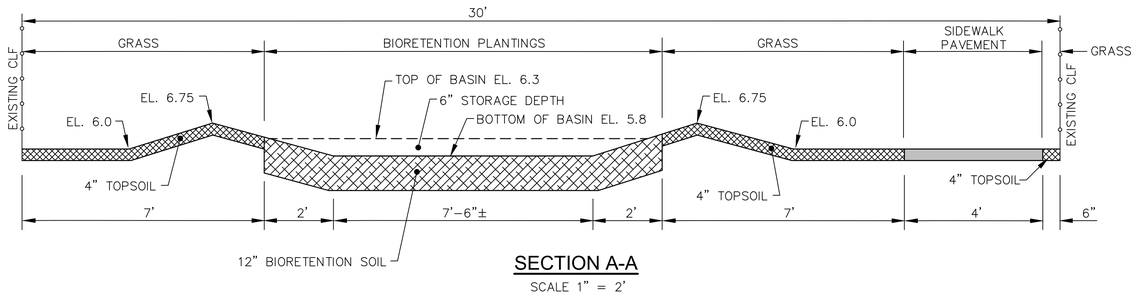
GRADING PLAN

SCALE 1" = 10'



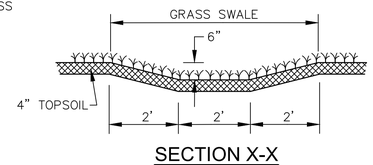
LANDSCAPE PLAN

SCALE 1" = 10'



SECTION A-A

SCALE 1" = 2'



SECTION X-X SWALE DETAIL

SCALE 1" = 2'

Plant List

Quantity	Symbol	Botanical Name	Common Name	Size/ ont	Spacing	Comments
			Trees			
2	ARA	Acer Rubrum 'Autumn Spire'	Autmun Spire Red Maple	3" cal./B&B	as shown	Bowhall or Karpick allowable substitutes
2	ALC	Amelanchier laevis 'Cumulus'	Cumulus Serviceberry	2" cal./B&B	as shown	tree from
6	MRB	Malus 'Red Baron'	Red Baron Crabapple	2 1/2" cal./B&B	as shown	
			Bioretention Basin Bottom			
170	CS	*Carex scoparia*	Broom Sedge	Qt.	12" O.C.	
180	EV	*Elymus virginius*	Virgina Wild Rye	Qt.	12" O.C.	
270	JE	*Juncus effusus*	Soft Rush	Qt.	12" O.C.	
243	SP	*Schoenoplectus (Scirpus) pungens*	Common 3-Square	Qt.	12" O.C.	
			Bioretention Basin Sideslopes			
148	ANA	*Aster (Symphyotrichum) novae - angliae*	New England Aster	Qt.	12" O.C.	
69	CS	*Carex scoparia*	Broom Sedge	Qt.	12" O.C.	
240	CL	*Coreopsis lanceolata*	Lanceleaf Coreopsis	Qt.	12" O.C.	
135	EP	*Eupatorium perfoliatum*	Boneset	Qt.	12" O.C.	
224	LS	*Liatris spicata*	Blazing Star	Qt.	12" O.C.	
170	SCS	*Schizachyrium scoparium*	Little Bluestem	Qt.	12" O.C.	
190	SC	*Solidago candensis*	Canada Goldenrod	Qt.	12" O.C.	

NO.	DATE	REVISIONS
1	3-9-20	REVISED AS PER TOWN COMMENTS
2	5-5-20	REVISED AS PER TOWN COMMENTS

In Charge: –	J.A.G.
Compilation:–	
Design: –	V.L.
Drawn: –	R.J.W
Checked: –	J.A.G.
Reviewed: –	

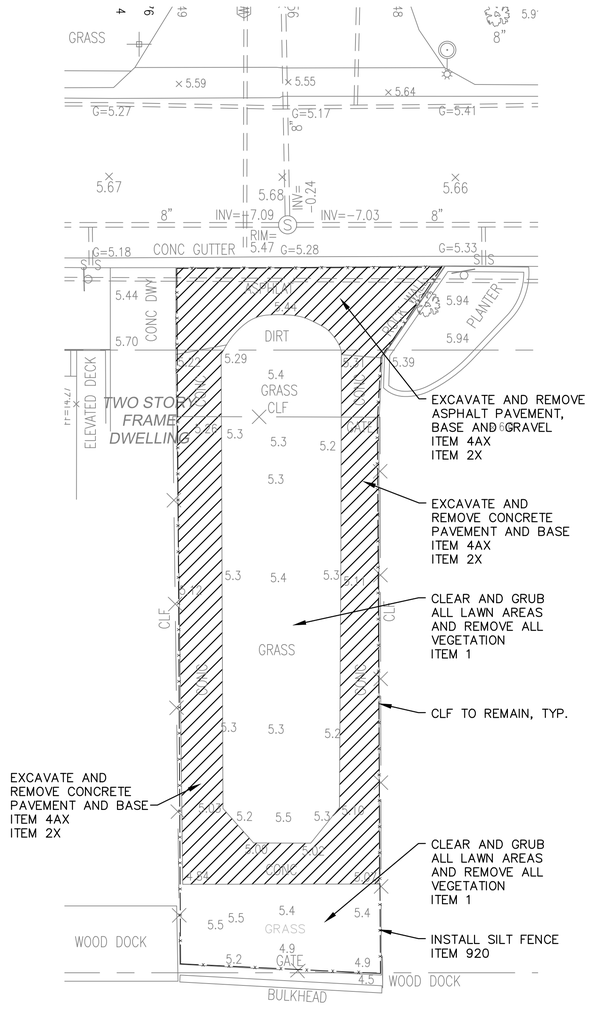
TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644

Department of Engineering

BIORETENTION BASIN WEST BOULEVARD AT EVANS STREET WEST

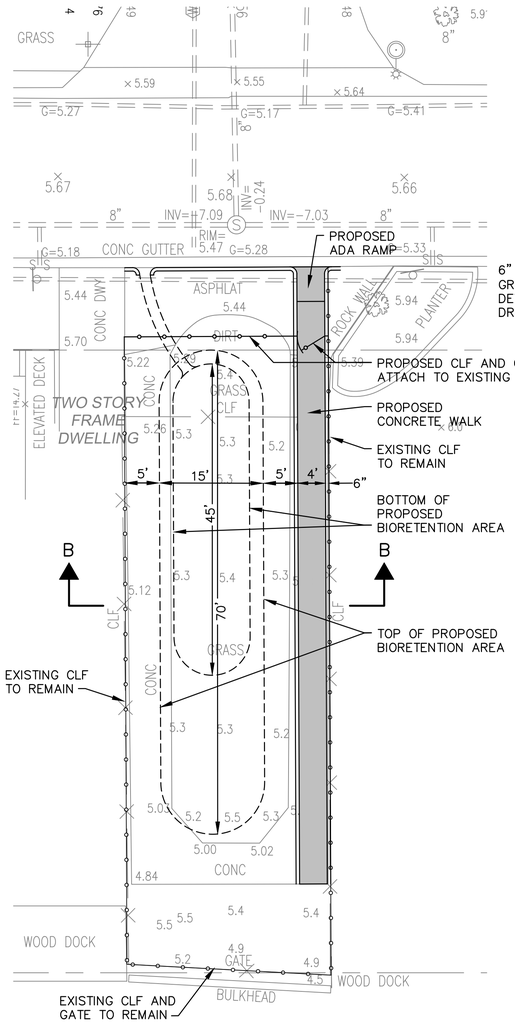
G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

Scale:	AS NOTED
Date:	APRIL 2020
File No.:	18033.100
Dwg No.:	C601
Sheet No.:	23 of 34



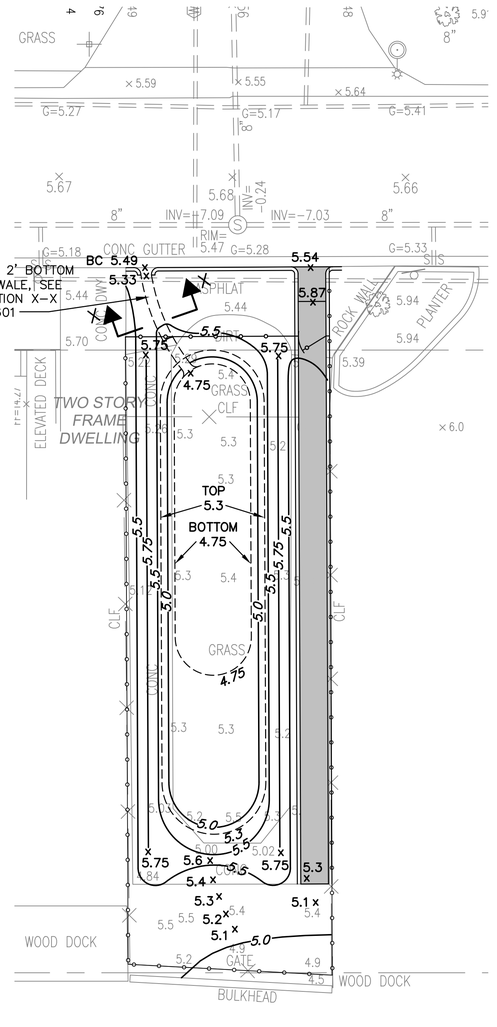
DEMOLITION AND REMOVAL PLAN

SCALE 1" = 10'



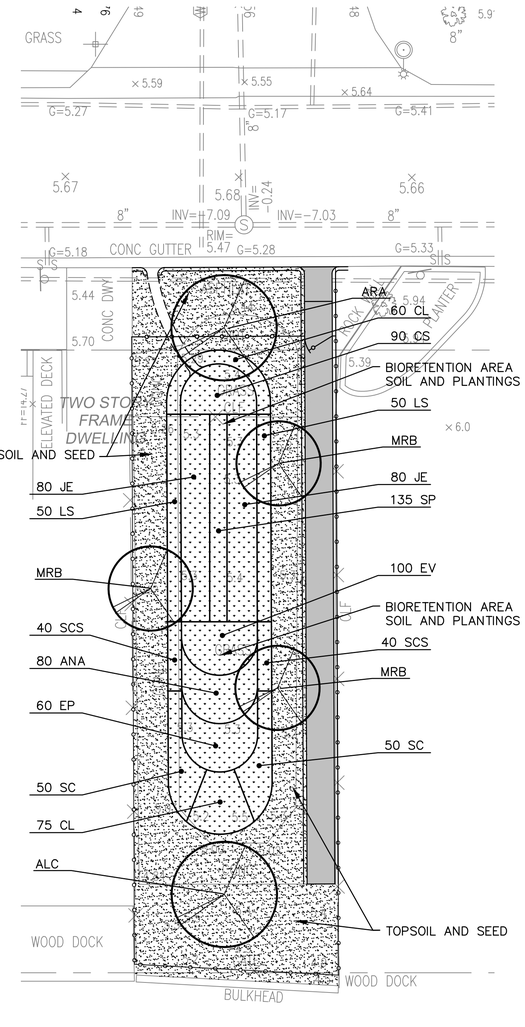
SITE PLAN

SCALE 1" = 10'



GRADING PLAN

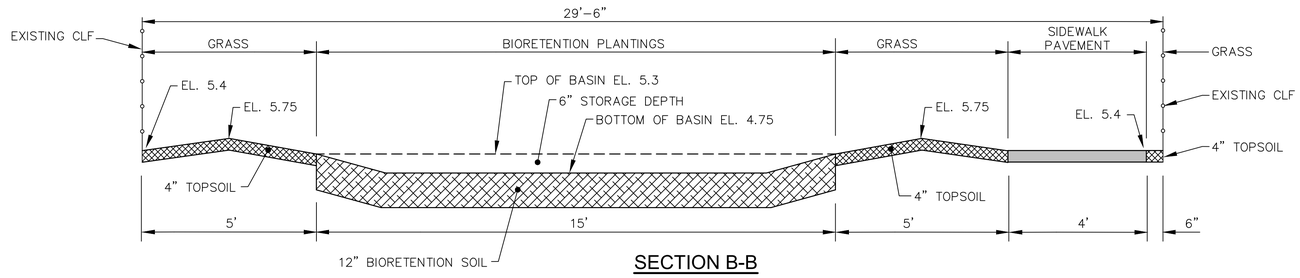
SCALE 1" = 10'



LANDSCAPE PLAN

SCALE 1" = 10'

NOTE:
SEE PLANT LIST DRAWING C601



SECTION B-B

SCALE 1" = 2'

NO.	DATE	REVISIONS
1	3-9-20	REVISED AS PER TOWN COMMENTS
2	5-5-20	REVISED AS PER TOWN COMMENTS

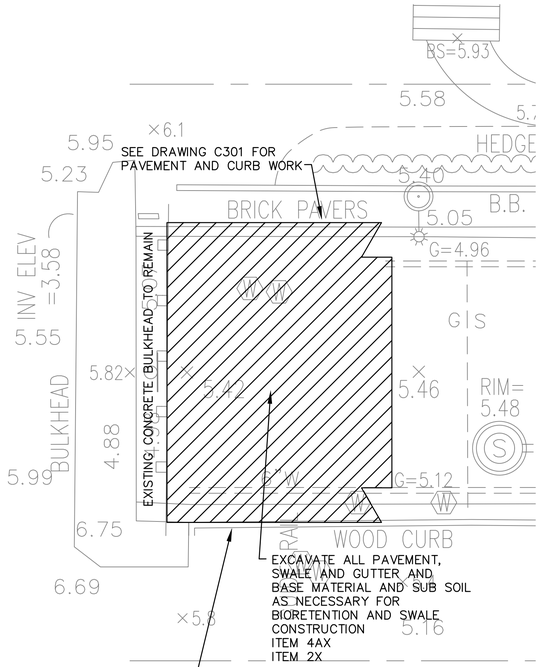
In Charge: –	J.A.G.
Compilation:–	
Design: –	V.L.
Drawn: –	R.J.W
Checked: –	J.A.G.
Reviewed: –	

TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644
Department of Engineering

BIORETENTION BASIN
WEST BOULEVARD
AT COURT STREET WEST

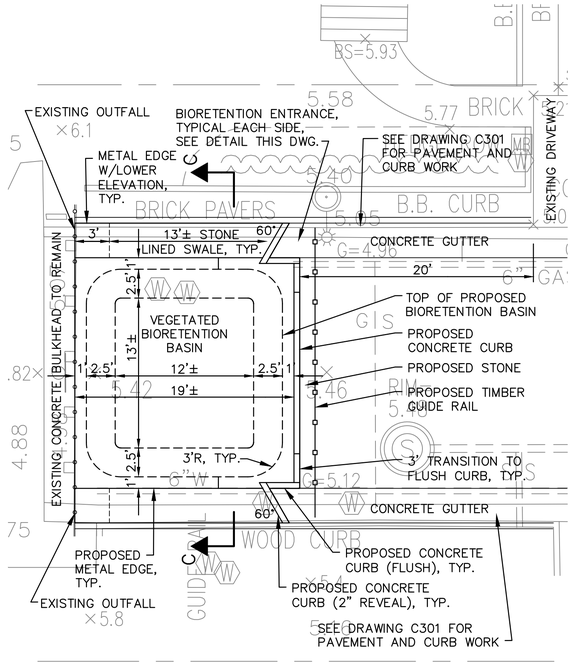
G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

Scale: AS NOTED
Date: APRIL 2020
File No.: 18033.100
Dwg No.: C602
Sheet No.: 24 of 34



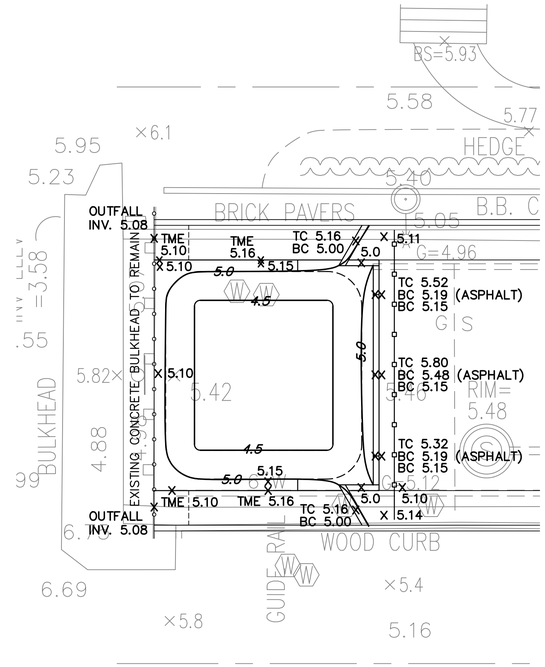
DEMOLITION AND REMOVAL PLAN

SCALE 1" = 10'



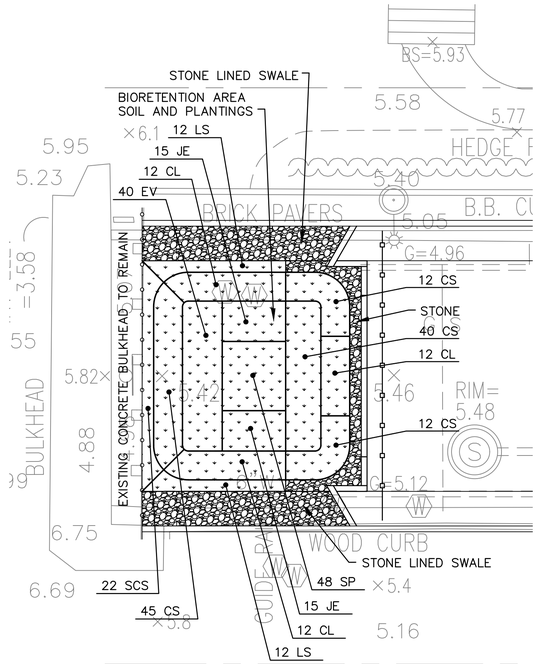
SITE PLAN

SCALE 1" = 10'



GRADING PLAN

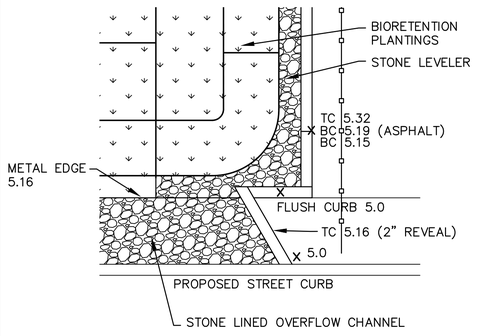
SCALE 1" = 10'



LANDSCAPE PLAN

SCALE 1" = 10'

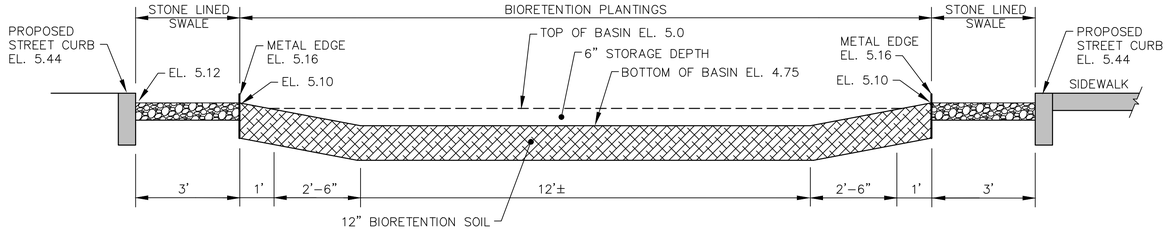
NOTE:
SEE PLANT LIST DRAWING C601



BIORETENTION ENTRANCE DETAIL

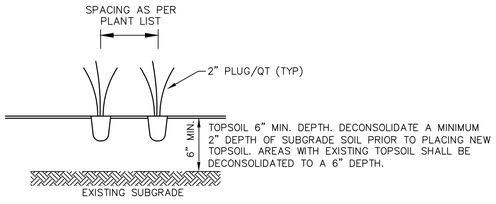
TYPICAL EACH SIDE

NOT TO SCALE



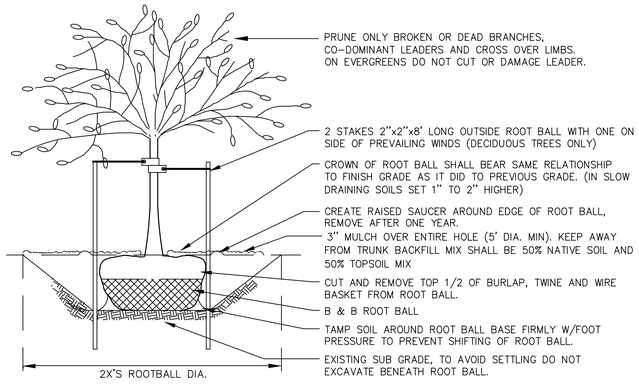
SECTION C-C

SCALE 1" = 2'



TYPICAL PLUG/QUART PLANTING DETAIL

NOT TO SCALE



TREE PLANTING DETAIL

N.T.S.

NOTES:

1. DO NOT DAMAGE MAIN ROOTS OR ROOT BALL WHEN INSTALLING TREE STAKE.
2. WATER THOROUGHLY AFTER EXCAVATION AND AFTER PLANT INSTALLATION.
3. REMOVE SAUCER AND STAKES AFTER FIRST YEAR.
4. NOTIFY ENGINEER IF IMPERVIOUS OR UNACCEPTABLE NATIVE SOIL IS ENCOUNTERED IN TREE PITS.
5. FERTILIZE ALL PLANTS PER SPECIFICATION.

NO.	DATE	REVISIONS
1	3-9-20	REVISED AS PER TOWN COMMENTS
2	5-5-20	REVISED AS PER TOWN COMMENTS

In Charge: –	J.A.G.
Compilation:–	
Design: –	V.L.
Drawn: –	R.J.W
Checked: –	J.A.G.
Reviewed: –	

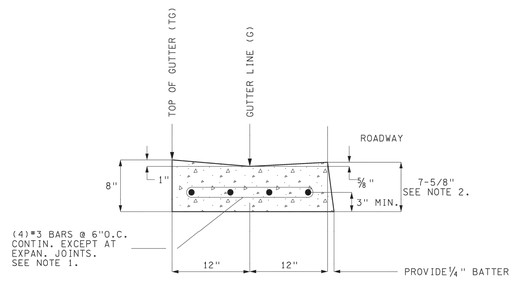
TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644

Department of Engineering

BIORETENTION BASIN
AT WEST BOULEVARD
SOUTH

G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

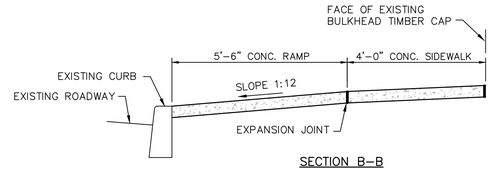
Scale:	AS NOTED
Date:	APRIL 2020
File No.:	18033.100
Dwg No.:	C603
Sheet No.:	25 of 34



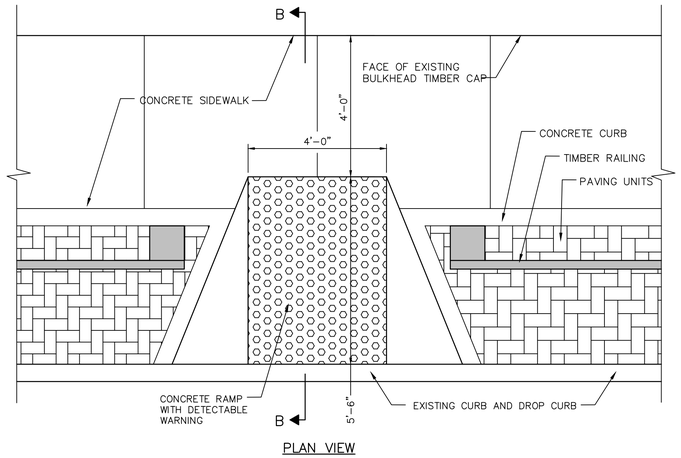
NOTES:

1. WWF 6x6/W4.7xW4.7 REINFORCING MESH MAY BE SUBSTITUTED FOR THE REINFORCING SHOWN (4-#3 BARS) WITH EXPANSION JOINT SPACING OF 20 FEET ON CENTER.
2. PROVIDE 5/8" / FT SLOPE FOR NEW GUTTER EXCEPT WHERE NOTED ON PLANS. SEE PLANS FOR LOCATIONS.

MODIFIED CONCRETE GUTTER DETAIL
ITEM 26SS-X
N.T.S.

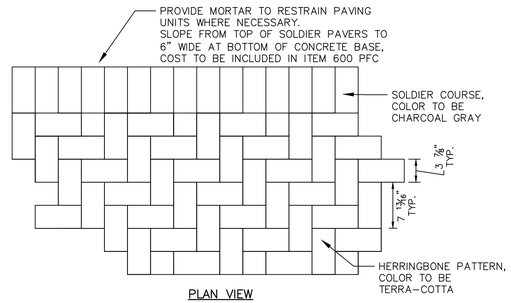


SECTION B-B

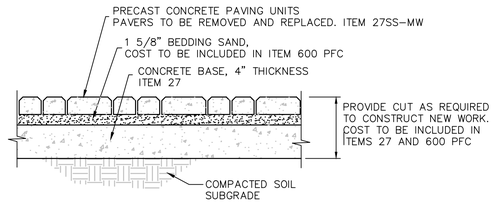


PLAN VIEW

HANDICAP RAMP DETAIL
N.T.S.



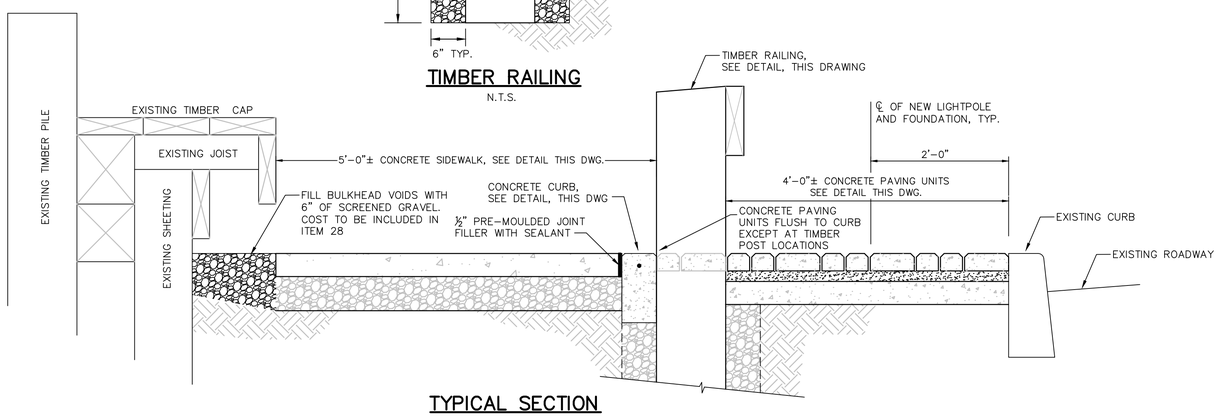
PLAN VIEW



NOTES:
1. PAVERS TO BE REMOVED AND REPLACED. ITEM 27SS-MW
2. PATTERN TO BE AS SHOWN IN PLAN VIEW DETAIL THIS DRAWING
3. CONCRETE BASE SHALL BE IN ACCORDANCE WITH ITEM 27

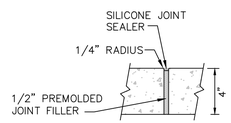
SECTIONAL VIEW

CONCRETE PAVING UNITS
ITEM 600 PFC
N.T.S.

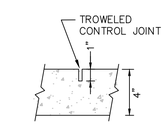


TIMBER RAILING
N.T.S.

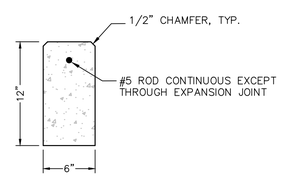
TYPICAL SECTION
N.T.S.



EXPANSION JOINT
N.T.S.



CONTROL JOINT
N.T.S.



ITEM 26C

CONCRETE CURB
N.T.S.

NO.	DATE	REVISIONS
1	3-9-20	REVISED AS PER TOWN COMMENTS
2	5-5-20	REVISED AS PER TOWN COMMENTS

In Charge: -	J.A.G.
Compilation:-	
Design: -	V.L.
Drawn: -	R.J.W
Checked: -	J.A.G.
Reviewed: -	

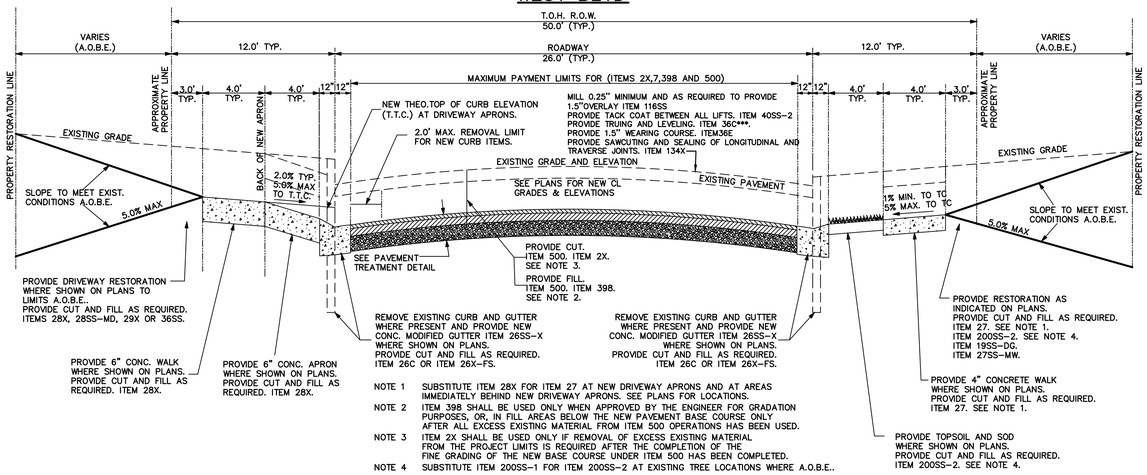
TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644
Department of Engineering

MISCELLANEOUS DETAILS

G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

Scale:	AS NOTED
Date:	APRIL 2020
File No.:	18033.100
Dwg No.:	C901
Sheet No.:	26 of 34

WEST BLVD



NOTE 1 SUBSTITUTE ITEM 28X FOR ITEM 27 AT NEW DRIVEWAY APRONS AND AT AREAS IMMEDIATELY BEHIND NEW DRIVEWAY APRONS. SEE PLANS FOR LOCATIONS.

NOTE 2 ITEM 398 SHALL BE USED ONLY WHEN APPROVED BY THE ENGINEER FOR GRADATION PURPOSES, OR, IN FILL AREAS BELOW THE NEW PAVEMENT BASE COURSE ONLY AFTER ALL EXCESS EXISTING MATERIAL FROM ITEM 500 OPERATIONS HAS BEEN USED.

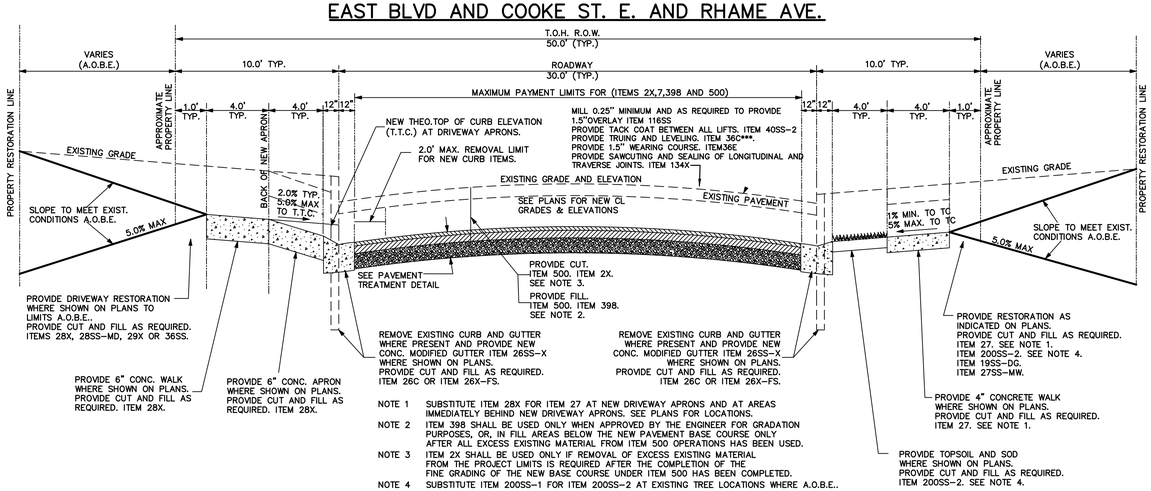
NOTE 3 ITEM 2X SHALL BE USED ONLY IF REMOVAL OF EXCESS EXISTING MATERIAL FROM THE PROJECT LIMITS IS REQUIRED AFTER THE COMPLETION OF THE FINE GRADING OF THE NEW BASE COURSE UNDER ITEM 500 HAS BEEN COMPLETED.

NOTE 4 SUBSTITUTE ITEM 200SS-1 FOR ITEM 200SS-2 AT EXISTING TREE LOCATIONS WHERE A.O.B.E..

CROSS SECTION DETAIL OF TYPICAL PAYMENT LIMITS

NOT TO SCALE

EAST BLVD AND COOKE ST. E. AND RHAME AVE.



NOTE 1 SUBSTITUTE ITEM 28X FOR ITEM 27 AT NEW DRIVEWAY APRONS AND AT AREAS IMMEDIATELY BEHIND NEW DRIVEWAY APRONS. SEE PLANS FOR LOCATIONS.

NOTE 2 ITEM 398 SHALL BE USED ONLY WHEN APPROVED BY THE ENGINEER FOR GRADATION PURPOSES, OR, IN FILL AREAS BELOW THE NEW PAVEMENT BASE COURSE ONLY AFTER ALL EXCESS EXISTING MATERIAL FROM ITEM 500 OPERATIONS HAS BEEN USED.

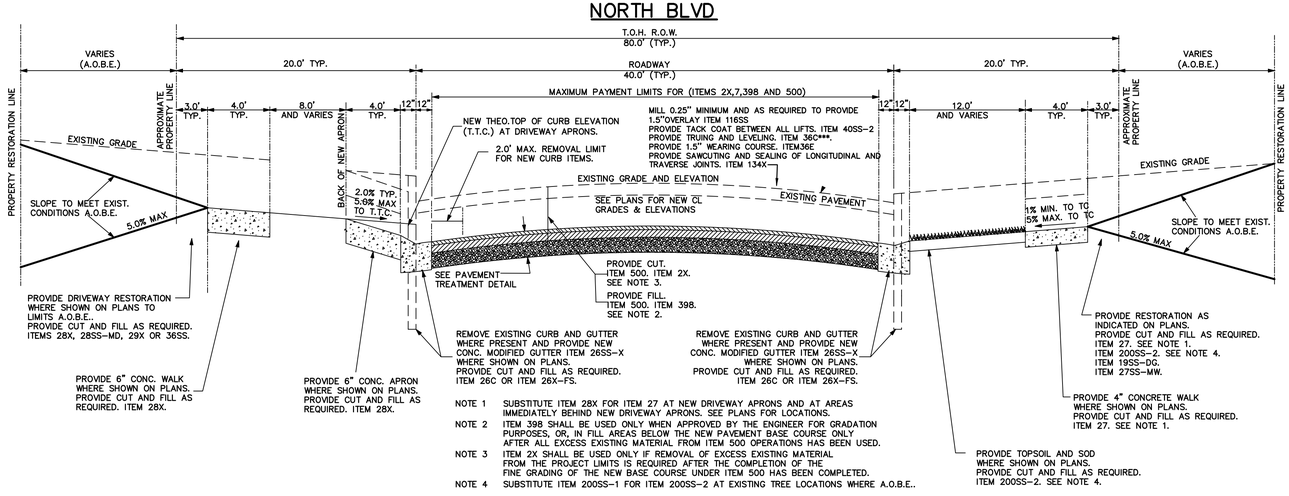
NOTE 3 ITEM 2X SHALL BE USED ONLY IF REMOVAL OF EXCESS EXISTING MATERIAL FROM THE PROJECT LIMITS IS REQUIRED AFTER THE COMPLETION OF THE FINE GRADING OF THE NEW BASE COURSE UNDER ITEM 500 HAS BEEN COMPLETED.

NOTE 4 SUBSTITUTE ITEM 200SS-1 FOR ITEM 200SS-2 AT EXISTING TREE LOCATIONS WHERE A.O.B.E..

CROSS SECTION DETAIL OF TYPICAL PAYMENT LIMITS

NOT TO SCALE

NORTH BLVD



NOTE 1 SUBSTITUTE ITEM 28X FOR ITEM 27 AT NEW DRIVEWAY APRONS AND AT AREAS IMMEDIATELY BEHIND NEW DRIVEWAY APRONS. SEE PLANS FOR LOCATIONS.

NOTE 2 ITEM 398 SHALL BE USED ONLY WHEN APPROVED BY THE ENGINEER FOR GRADATION PURPOSES, OR, IN FILL AREAS BELOW THE NEW PAVEMENT BASE COURSE ONLY AFTER ALL EXCESS EXISTING MATERIAL FROM ITEM 500 OPERATIONS HAS BEEN USED.

NOTE 3 ITEM 2X SHALL BE USED ONLY IF REMOVAL OF EXCESS EXISTING MATERIAL FROM THE PROJECT LIMITS IS REQUIRED AFTER THE COMPLETION OF THE FINE GRADING OF THE NEW BASE COURSE UNDER ITEM 500 HAS BEEN COMPLETED.

NOTE 4 SUBSTITUTE ITEM 200SS-1 FOR ITEM 200SS-2 AT EXISTING TREE LOCATIONS WHERE A.O.B.E..

CROSS SECTION DETAIL OF TYPICAL PAYMENT LIMITS

NOT TO SCALE

NO.	DATE	REVISIONS
1	3-9-20	REVISED AS PER TOWN COMMENTS
2	5-5-20	REVISED AS PER TOWN COMMENTS

In Charge: –	J.A.G.
Compilation:–	
Design: –	V.L.
Drawn: –	R.J.W
Checked: –	J.A.G.
Reviewed: –	

TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644

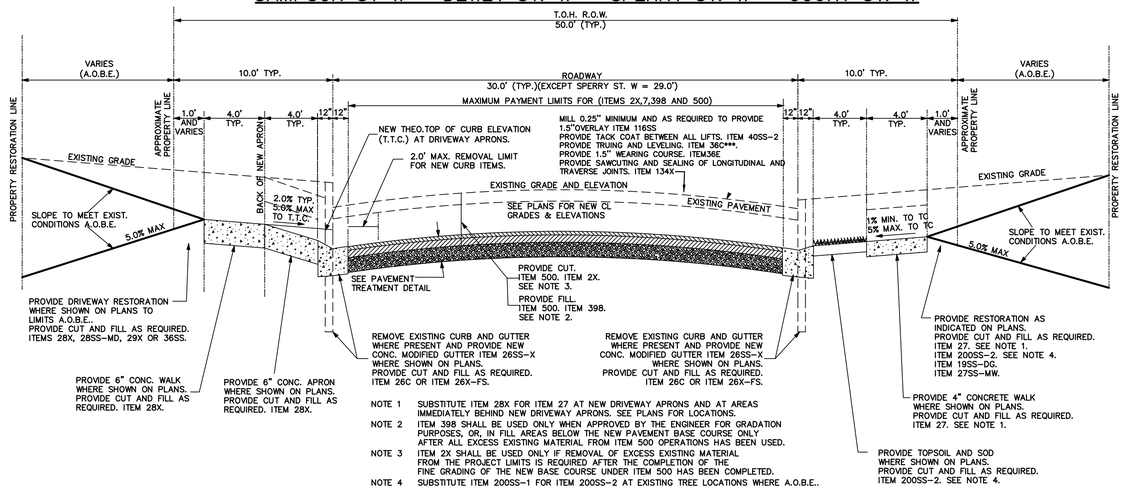
Department of Engineering

MISCELLANEOUS DETAILS

G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

Scale: AS NOTED
Date: APRIL 2020
File No.: 18033.100
Dwg No.: C902
Sheet No.: 27 of 34

COOKE ST. W – MARTIN ST. W – FULTON ST. W – HUDSON ST. W – EVANS ST. W
SAMPSON ST W – DEWEY ST. W – SPERRY ST. W – COURT ST. W



NOTE 1 SUBSTITUTE ITEM 28X FOR ITEM 27 AT NEW DRIVEWAY APRONS AND AT AREAS IMMEDIATELY BEHIND NEW DRIVEWAY APRONS. SEE PLANS FOR LOCATIONS.

NOTE 2 ITEM 398 SHALL BE USED ONLY WHEN APPROVED BY THE ENGINEER FOR GRADATION PURPOSES, OR, IN FILL AREAS BELOW THE NEW PAVEMENT BASE COURSE ONLY AFTER ALL EXCESS EXISTING MATERIAL FROM ITEM 500 OPERATIONS HAS BEEN USED.

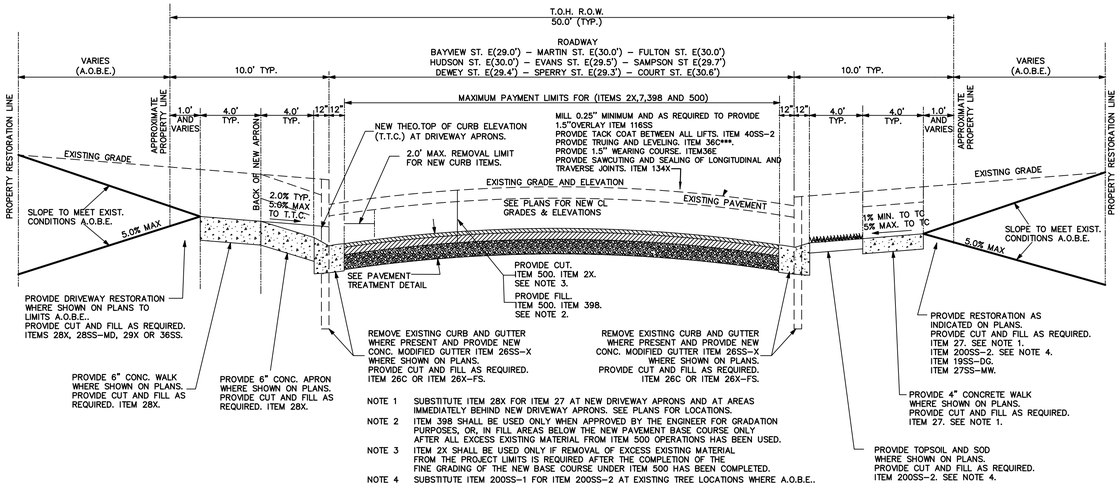
NOTE 3 ITEM 2X SHALL BE USED ONLY IF REMOVAL OF EXCESS EXISTING MATERIAL FROM THE PROJECT LIMITS IS REQUIRED AFTER THE COMPLETION OF THE FINE GRADING OF THE NEW BASE COURSE UNDER ITEM 500 HAS BEEN COMPLETED.

NOTE 4 SUBSTITUTE ITEM 200SS–1 FOR ITEM 200SS–2 AT EXISTING TREE LOCATIONS WHERE A.O.B.E..

CROSS SECTION DETAIL OF TYPICAL PAYMENT LIMITS

NOT TO SCALE

BAYVIEW ST. E – MARTIN ST.W – FULTON ST. E – HUDSON ST. E – EVANS ST. E
SAMPSON ST W – DEWET ST. E – SPERRY ST. E – COURT ST. E



NOTE 1 SUBSTITUTE ITEM 28X FOR ITEM 27 AT NEW DRIVEWAY APRONS AND AT AREAS IMMEDIATELY BEHIND NEW DRIVEWAY APRONS. SEE PLANS FOR LOCATIONS.

NOTE 2 ITEM 398 SHALL BE USED ONLY WHEN APPROVED BY THE ENGINEER FOR GRADATION PURPOSES, OR, IN FILL AREAS BELOW THE NEW PAVEMENT BASE COURSE ONLY AFTER ALL EXCESS EXISTING MATERIAL FROM ITEM 500 OPERATIONS HAS BEEN USED.

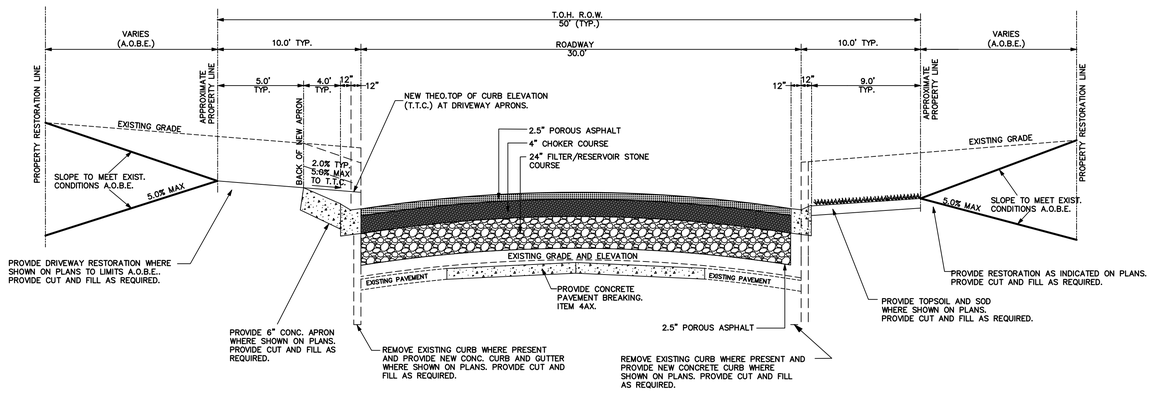
NOTE 3 ITEM 2X SHALL BE USED ONLY IF REMOVAL OF EXCESS EXISTING MATERIAL FROM THE PROJECT LIMITS IS REQUIRED AFTER THE COMPLETION OF THE FINE GRADING OF THE NEW BASE COURSE UNDER ITEM 500 HAS BEEN COMPLETED.

NOTE 4 SUBSTITUTE ITEM 200SS–1 FOR ITEM 200SS–2 AT EXISTING TREE LOCATIONS WHERE A.O.B.E..

CROSS SECTION DETAIL OF TYPICAL PAYMENT LIMITS

NOT TO SCALE

COOKE ST. W – HUDSON ST. W – EVANS ST. W
DEWEY ST. W – COURT ST. W



CROSS SECTION DETAIL OF TYPICAL POROUS PAVEMENT AND UNDER ROADWAY STORAGE

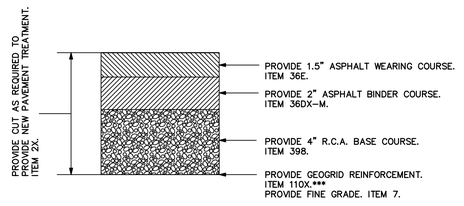
CROWN LAYOUT

$$Y = \frac{4C(D/W)^2}{}$$

WHERE : Y IS VERTICAL OFFSET FROM CROWN IN FEET.
C IS CROWN OF ROAD IN FEET.
D IS HORIZONTAL OFFSET FROM CROWN IN FEET.
W IS WIDTH OF ROAD IN FEET.
ROADWAY WIDTH = 30'
CROWN = .42'

D	Y
1'	.002"
2'	.007"
3'	.014"
4'	.030"
5'	.047"
6'	.067"
7'	.091"
8'	.120"
9'	.151"
10'	.186"
11'	.226"
12'	.269"
13'	.315"
14'	.365"
15'	.420"

SYMMETRICAL CROWN LAYOUT DATA



NEW PAVEMENT TREAMENT DETAIL

ITEM	YIELD (S.Y. / TON / INCH)	YIELD (TONS / C.Y.)
22CX–M–2	17.85	2.02
36DX–M	17.60	2.05
36D	17.35	2.08
36E	17.10	2.11

NOTES
1. YIELDS INDICATED INCLUDE 5% MAXIMUM ALLOWABLE DEVIATION FOR RATE OF PLACEMENT OF EACH ITEM.

ASPHALT PAVEMENT YIELDS

NO.	DATE	REVISIONS
1	3–9–20	REVISED AS PER TOWN COMMENTS
2	5–5–20	REVISED AS PER TOWN COMMENTS

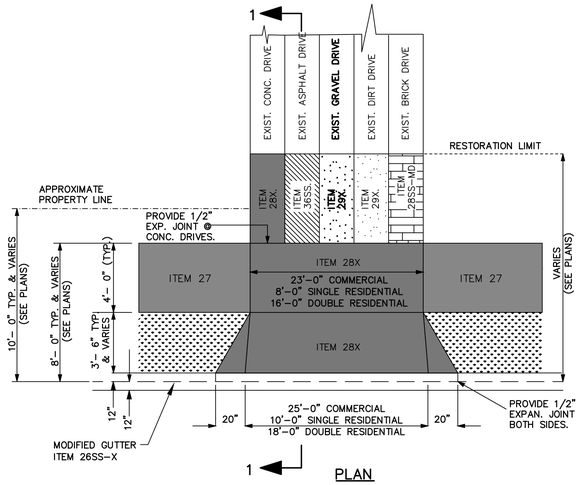
In Charge: –	J.A.G.
Compilation:–	
Design: –	V.L.
Drawn: –	R.J.W
Checked: –	J.A.G.
Reviewed: –	

TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644
Department of Engineering

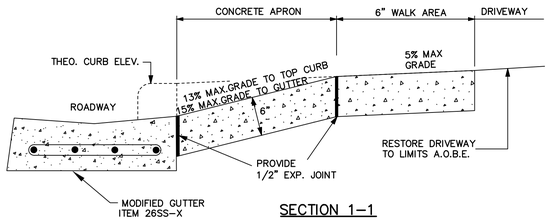
MISCELLANEOUS DETAILS

G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

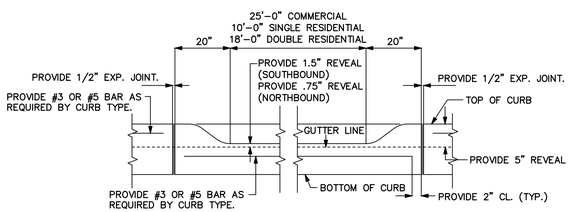
Scale: AS NOTED
Date: APRIL 2020
File No.: 18033.100
Dwg No.: C903
Sheet No.: 28 of 34



PLAN



SECTION 1–1

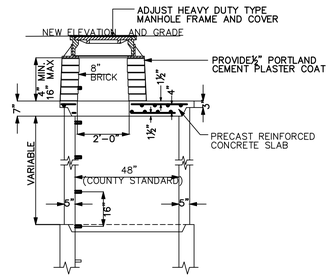


ELEVATION AT DROP CURB

NOTES:
1. PROVIDE 1/2" EXP. JOINT WHERE NEW APRONS MEET EXISTING CONCRETE PAVEMENT.
2. PROVIDE 1/2" EXP. JOINT BETWEEN NEW APRONS AND NEW CONCRETE DRIVES.
3. NEW APRONS AND DRIVES SHALL BE 6" CONCRETE PAVEMENT.
4. REINFORCEMENT WHERE REQUIRED SHALL BE WWF 6 x12 / W4.7 X W4.7. NO SEPARATE PAYMENT SHALL BE MADE FOR REINFORCEMENT. COST OF REINFORCEMENT SHALL BE INCLUDED IN PRICE BID FOR ITEM 28X.

CONCRETE APRON DETAILS ITEM 28X

NOT TO SCALE



SANITARY SEWER NOTES

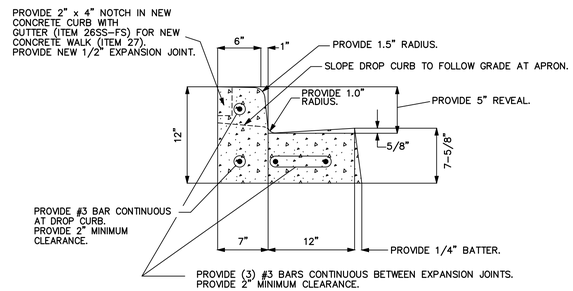
1. THE CONTRACTOR SHALL NOTIFY THE DIVISION OF SANITATION & WATER SUPPLY A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO WORK INVOLVING ANY SANITARY SEWER FACILITIES. NOTIFICATION IS TO BE MADE BY CALLING (516) 571–6840 OR 571–6843.
2. ALL WORK SHALL BE IN ACCORDANCE WITH N.C.D.P.W. STANDARD SPECIFICATIONS AND DETAILS FOR THE CONSTRUCTION OF SANITARY SEWERS, LATEST EDITION (2003). ALL WORK MUST BE PERFORMED IN THE PRESENCE OF A NASSAU COUNTY INSPECTOR. SEWER FLOW MUST BE MAINTAINED DURING CONSTRUCTION. COST TO BE INCLUDED IN ALL ITEMS OF CONTRACT.
3. ALL SANITARY SEWER HOUSE CONNECTIONS AND LATERALS SHALL BE LOCATED PRIOR TO ANY EXCAVATION BY THE CONTRACTOR.
4. THE HORIZONTAL/VERTICAL SEPARATION BETWEEN SEWER AND DRAINAGE PIPES AND SEWER AND WATER MAINS/SERVICE SHALL MEET OR EXCEED THE REQUIREMENTS OUTLINED IN THE RECOMMENDED STANDARDS FOR SEWER WORKS (TEN STATE STANDARDS), LATEST EDITION.
5. WHERE SANITARY OR HOUSE CONNECTION SEWERS CROSS OVER A DRAINAGE TRENCH AREA, THE SEWER SHALL BE REPLACED WITH DUCTILE IRON EXTENDING A MINIMUM OF FIVE (5) FEET EACH SIDE OF CROSSING TO UNDISTURBED SOIL. THE SAME REPLACEMENT SHALL APPLY FOR SEWERS UNDER A DRAINAGE TRENCH AREA WITHIN TWELVE (12) INCHES CLEARANCE, BOTTOM OF DRAIN TO TOP OF SEWER.
6. ALL PIPES, MANHOLES AND APPURTENANCES SHALL HAVE THE COUNTY APPROVAL STAMP THEREON OR WRITTEN CERTIFICATION ACCEPTABLE TO THE COUNTY BEFORE THE MATERIAL CAN BE INSTALLED.
7. WHERE IT IS NECESSARY TO RAISE SANITARY SEWER MANHOLE CASTINGS TO GRADE FOR REPAVING, FIXED FRAME CASTINGS MUST BE RAISED BY ADJUSTING THE HEIGHT OF THE BRICK MASONRY (INSERTS ARE NOT PERMITTED). ADJUSTABLE FRAME TYPE MANHOLES MAY BE RAISED BY ADDING UP TO A MAXIMUM OF TWO (2), ONE (1) INCH ADJUSTMENT RINGS TO ACHIEVE FINAL GRADE.
8. THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS FOR ENTRY INTO A CONFINED SPACE WHENEVER IT IS NECESSARY FOR A CONTRACTOR'S EMPLOYEE TO ENTER A NASSAU COUNTY SANITARY SEWER MANHOLE. THE MINIMUM REQUIREMENTS THE CONTRACTOR MUST COMPLY WITH ARE :

   A. CONTRACTOR ISSUED "ENTRY PERMIT"
   B. CONFINED SPACE ENTRY MONITOR TO TEST FOR TOXIC, EXPLOSIVE AND OXYGEN DEFICIENT ATMOSPHERE
   C. CONFINED SPACE RESCUE AND RETRIEVAL

   THE CONTRACTOR WILL NOT BE PERMITTED TO WORK IN A NASSAU COUNTY SANITARY SEWER MANHOLE UNLESS HE COMPLIES WITH ALL APPLICABLE OSHA REQUIREMENTS.

ADJUSTMENT DETAIL FOR SANITARY SEWER MANHOLES ITEM 16SS–1 OR 16SS–2

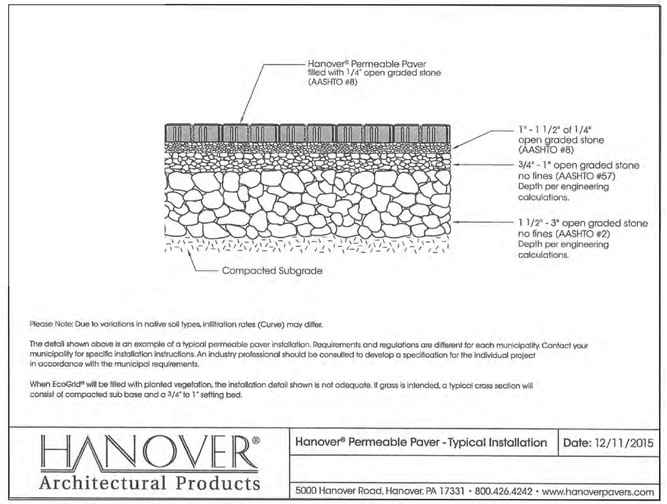
NOT TO SCALE



NOTES:
1. WWF 6x6/W4.7xW4.7 REINFORCEMENT MAY BE SUBSTITUTED FOR REINFORCEMENT SHOWN (3 – #3 BARS). PROVIDE EXPANSION JOINT SPACING OF 20 FEET ON CENTER.

CONCRETE CURB AND GUTTER DETAIL ITEM 26 SS & 26SS–FS

NOT TO SCALE



NO.	DATE	REVISIONS
1	3–9–20	REVISED AS PER TOWN COMMENTS
2	5–5–20	REVISED AS PER TOWN COMMENTS

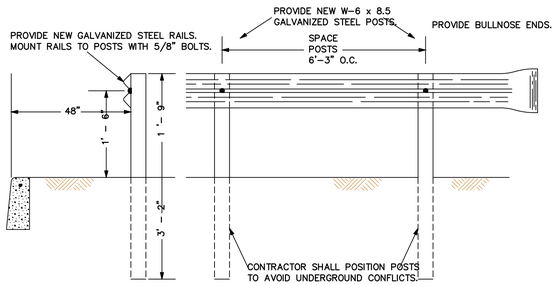
In Charge: –	J.A.G.
Compilation:–	
Design: –	V.L.
Drawn: –	R.J.W
Checked: –	J.A.G.
Reviewed: –	

TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644
Department of Engineering

MISCELLANEOUS DETAILS

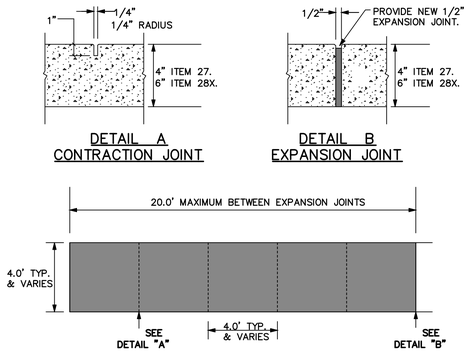
G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

Scale: AS NOTED
Date: APRIL 2020
File No.: 18033.100
Dwg No.: C904
Sheet No.: 29 of 34



CORRUGATED GUIDE RAIL DETAIL
ITEM 203X-1

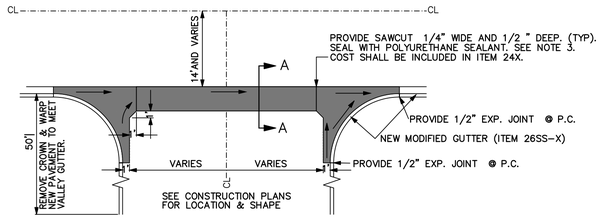
NOT TO SCALE



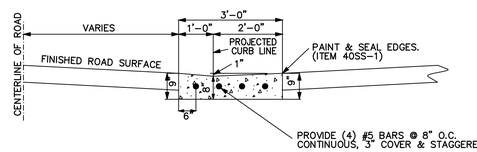
NOTES:
1. SEE SPECIFICATIONS FOR FURTHER LOCATION REQUIREMENTS.

CONCRETE JOINT DETAILS

NOT TO SCALE



PLAN



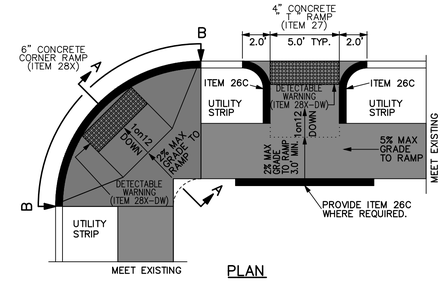
SECTION A-A

NOTES:

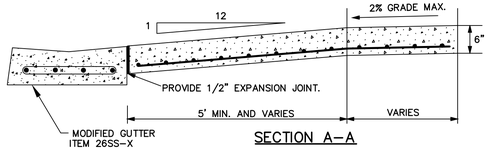
1. VALLEY GUTTER CONSTRUCTION SHALL BE RESTRICTED TO ONE SIDE OF THE INTERSECTION UNTIL THAT SIDE IS COMPLETED AND OPEN TO ALL TRAFFIC.
2. REINFORCEMENT BARS SHALL EXTEND 18" INTO SECOND HALF OF NEW VALLEY GUTTER.
3. POLYURETHANE SEALANT SHALL BE "UREXPAN NR-200" AS BY PECORA CORPORATION.

CONCRETE VALLEY GUTTER DETAIL
ITEM 24X

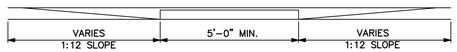
NOT TO SCALE



PLAN



SECTION A-A



ELEVATION B-B

NOTES:

1. PROVIDE COARSE BROOM FINISH TO RAMPS, PERPENDICULAR TO DIRECTION OF SLOPE.
2. NEW CORNER RAMPS SHALL BE 6" CONCRETE PAVEMENT REINFORCED WITH WWF 6x12/W4.7 X W4.7 AND CONSTRUCTED UNDER ITEM 28X. NO SEPARATE PAYMENT SHALL BE MADE FOR REINFORCEMENT. COST OF REINFORCEMENT SHALL BE INCLUDED IN PRICE BID FOR ITEM 28X.
3. NEW " T " RAMPS (NOT LOCATED ON CORNER QUADRANTS) SHALL BE 4" CONCRETE PAVEMENT AND CONSTRUCTED UNDER ITEM 27.
4. PROVIDE 1/2" EXPANSION JOINTS AT LOCATIONS WHERE NEW RAMPS MEET EXISTING CONCRETE PAVEMENT AND WHERE NEW 4" CONCRETE PAVEMENT (ITEM 27) MEETS NEW 6" CONCRETE PAVEMENT (ITEM 28X).
5. PROVIDE DETECTABLE WARNING SURFACE FOR ALL NEW RAMPS. ITEM 28X-DWS.

TYPE "A" SIDEWALK RAMP DETAILS
ITEM 27 AND ITEM 28X

NOT TO SCALE

NO.	DATE	REVISIONS
1	3-9-20	REVISED AS PER TOWN COMMENTS
2	5-5-20	REVISED AS PER TOWN COMMENTS

In Charge: -	J.A.G.
Compilation:-	
Design: -	V.L.
Drawn: -	R.J.W
Checked: -	J.A.G.
Reviewed: -	

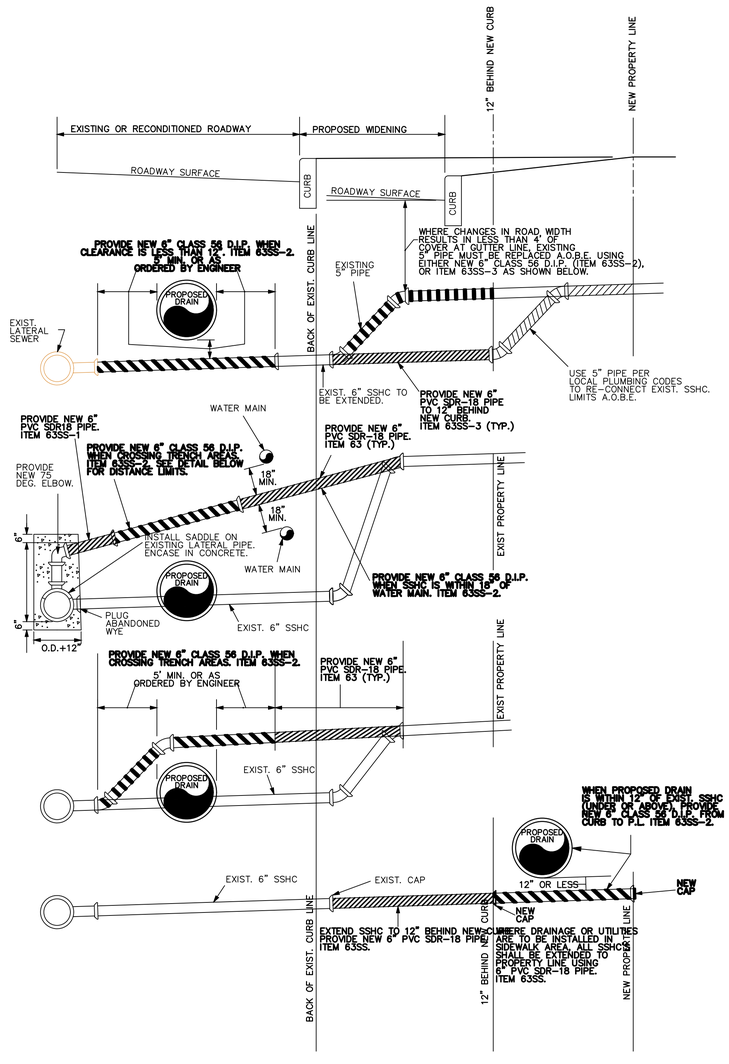
TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644

Department of Engineering

MISCELLANEOUS DETAILS

G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

Scale: AS NOTED
Date: APRIL 2020
File No.: 18033.100
Dwg No.: C905
Sheet No.: 30 of 34

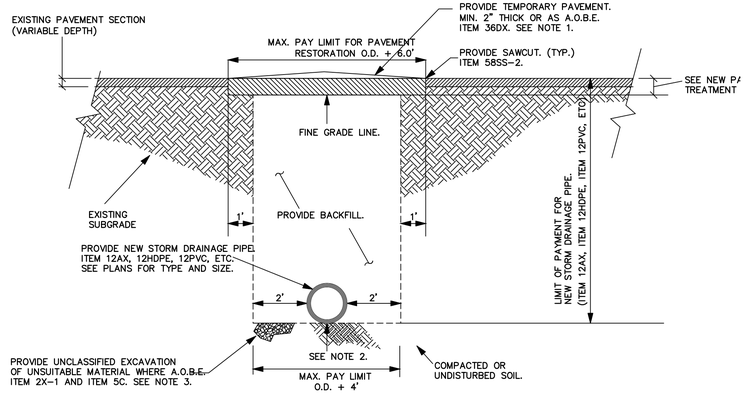


NOTES:

1. THE CONTRACTOR SHALL PROVIDE NEW PVC SDR-18 PIPE FOR ALL EXISTING SSHC PIPE TO BE ALTERED OR EXTENDED UNDER ITEM 63, ITEM 63SS-1 AND ITEM 63SS-3. NO ADDITIONAL OR SEPARATE PAYMENT SHALL BE MADE.
2. THE CONTRACTOR SHALL PROVIDE NEW 6" CLASS 56 DUCTILE IRON PIPE FOR ALL EXISTING SSHC PIPE TO BE ALTERED OR EXTENDED UNDER ITEM 63SS-2. NO ADDITIONAL OR SEPARATE PAYMENT SHALL BE MADE.
3. MECHANICAL COMPACTION IS REQUIRED IN ALL TRENCHS OR AS ORDERED BY THE ENGINEER.

SANITARY SEWER HOUSE CONNECTION ALTERATIONS
ITEM 63, ITEM 63SS, ITEM 63SS-1, ITEM 63 SS-2 AND ITEM 63SS-3

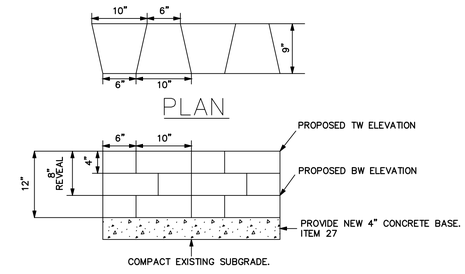
NOT TO SCALE



NOTES: 1. THE COST OF EXCAVATING AND REMOVAL OF EXCESS FILL AND OR TEMPORARY PAVEMENT ABOVE THE FINE GRADE LINE WITHIN PAVEMENT RESTORATION LIMITS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 36DX. 2. A DRY TRENCH SHALL BE MAINTAINED FOR ALL NEW PIPE INSTALLATIONS. THE COST SHALL BE INCLUDED IN THE PRICE BID FOR NEW PIPE (ITEM 12AX, 12HDPE, 12PVC, ETC.) 3. UNSUITABLE MATERIAL ENCOUNTERED WITHIN THE TRENCH SHALL BE EXCAVATEDTO THE LIMITS A.O.B.E. (2.0' MAX.) AND BACKFILLED WITH SELECTED FILL. ITEM 2X-1 AND ITEM 5C.

DETAIL OF TYPICAL STORM DRAINAGE PIPE TRENCH

NOT TO SCALE



ELEVATION

NOTES:
1. PROVIDE SERAFINA WALL PAVING BLOCKS, AS BY NICOLOCK, OR EQUAL APPROVED BY ENGINEER.
2. COLOR SHALL BE "FIRE ISLAND" AS BY NICOLOCK.

BLOCK WALL DETAIL
ITEM 600PFC

NOT TO SCALE

NO.	DATE	REVISIONS
1	3-9-20	REVISED AS PER TOWN COMMENTS
2	5-5-20	REVISED AS PER TOWN COMMENTS

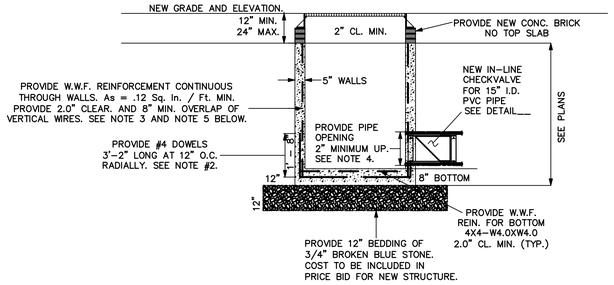
In Charge: –	J.A.G.
Compilation:–	
Design: –	V.L.
Drawn: –	R.J.W
Checked: –	J.A.G.
Reviewed: –	

TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644
Department of Engineering

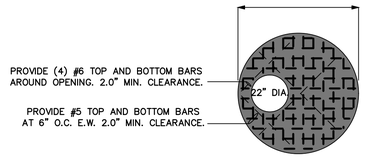
MISCELLANEOUS DETAILS

G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

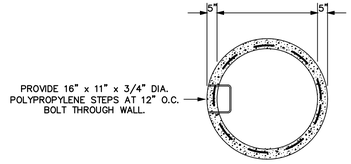
Scale: AS NOTED
Date: APRIL 2020
File No.: 18033.100
Dwg No.: C906
Sheet No.: 31 of 34



ELEVATION SECTION WITH IN-LINE CHECK VALVE



TOP SLAB PLAN



PLAN SECTION

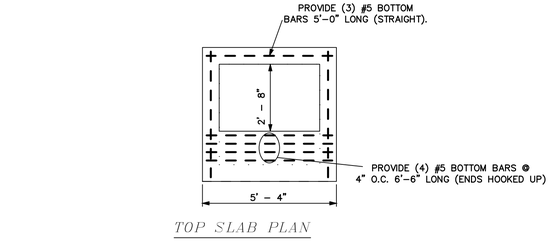
ELEVATION SECTION

ITEM 13BX-3-4 NOTES:
1. CONCRETE SHALL BE NASSAU COUNTY "CLASS A" DESIGN MIX AND 4000 PSI MINIMUM AT 28 DAYS.
2. REBAR SHALL BE GRADE 60 AND CONFORM TO ASTM A-615.
3. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.
4. ALL PIPE OPENINGS SHALL BE PRECAST INTO THE NEW STRUCTURE. KNOCKOUT PANELS SHALL NOT BE PERMITTED. PRECAST OPENINGS SHALL BE ROUND IN SHAPE AND BE OUTSIDE DIAMETER OF NEW PIPE PLUS 6" MINIMUM.
5. ALL PRECAST MANHOLE RISER REINFORCING SHALL COMPLY WITH AREA REQUIREMENTS OF ASTM DESIGNATION C-478.
6. LOADING FOR TOP SLAB SHALL MEET AASHTO HS-20.

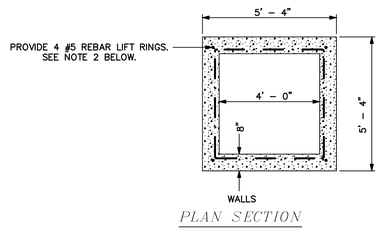
DETAIL OF NEW "TYPE 3" 48" DIAMETER PRECAST CONCRETE DRAIN MANHOLE

ITEM 13BX-3-4

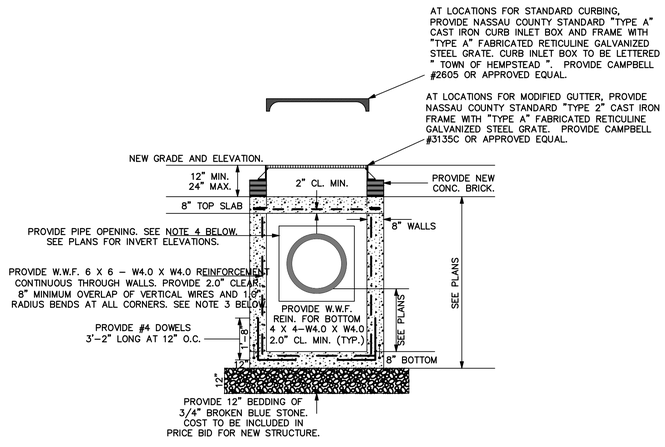
NOT TO SCALE



TOP SLAB PLAN



PLAN SECTION



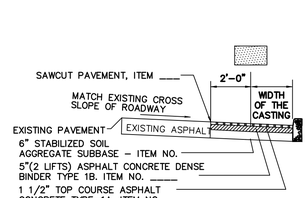
ELEVATION SECTION

ITEM 13AX-B NOTES:
1. CONCRETE SHALL BE NASSAU COUNTY "CLASS A" DESIGN MIX AND 4000 PSI MINIMUM AT 28 DAYS.
2. REBAR SHALL BE GRADE 60 AND CONFORM TO ASTM A-615.
3. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.
4. ALL PIPE OPENINGS SHALL BE PRECAST INTO THE NEW STRUCTURE. KNOCKOUT PANELS SHALL NOT BE PERMITTED. PRECAST OPENINGS SHALL BE SQUARE IN SHAPE AND BE INSIDE DIAMETER OF NEW PIPE PLUS 12".
5. PROVIDE CONTINUOUS 6" P.V.C. WATER STOP IF BOTTOM IS NOT CONSTRUCTED MONOLITHICALLY WITH WALLS.
6. LOADING FOR TOP SLAB SHALL MEET AASHTO HS-20.

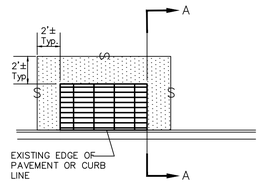
DETAIL OF NEW TYPE "B" PRECAST CONCRETE CATCH BASIN

ITEM 13AX-B.

NOT TO SCALE



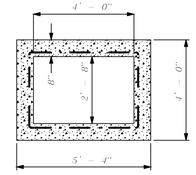
SECTION A-A



PLAN VIEW

PAVEMENT RESTORATION AROUND DRAINAGE STRUCTURES

NOT TO SCALE



PLAN SECTION

ELEVATION SECTION

ITEM 13AX-B-MOD NOTES:
1. CONCRETE SHALL BE NASSAU COUNTY "CLASS A" DESIGN MIX AND 4000 PSI MINIMUM AT 28 DAYS.
2. REBAR SHALL BE GRADE 60 AND CONFORM TO ASTM A-615.
3. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.
4. ALL PIPE OPENINGS SHALL BE PRECAST INTO THE NEW STRUCTURE. KNOCKOUT PANELS SHALL NOT BE PERMITTED. PRECAST OPENINGS SHALL BE SQUARE IN SHAPE AND BE INSIDE DIAMETER OF NEW PIPE PLUS 12".
5. PROVIDE CONTINUOUS 6" P.V.C. WATER STOP IF BOTTOM IS NOT CONSTRUCTED MONOLITHICALLY WITH WALLS.

DETAIL OF NEW TYPE "B-MODIFIED" PRECAST CONCRETE CATCH BASIN

ITEM 13AX-B-MOD.

NOT TO SCALE

NO.	DATE	REVISIONS
1	3-9-20	REVISED AS PER TOWN COMMENTS
2	5-5-20	REVISED AS PER TOWN COMMENTS

In Charge:	-	J.A.G.
Compilation:	-	
Design:	-	V.L.
Drawn:	-	R.J.W
Checked:	-	J.A.G.
Reviewed:	-	

TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644

Department of Engineering

MISCELLANEOUS DETAILS

G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

Scale: AS NOTED
Date: APRIL 2020
File No.: 18033.100
Dwg No.: C907
Sheet No.: 32 of 34

TABLE OF NEW PRECAST CONCRETE STORM DRAINAGE STRUCTURES

STREET NAME	STRUCTURE I.D.	STATION	OFFSET	STRUCTURE TYPE	STRUCTURE ITEM NO.	CASTING TYPE	RIM ELV	TOP SLAB EL	TOP WALL EL	INVERT ELEVATIONS				SUMP EL	BOTTOM EL
										N	S	E	W		
W COOKE ST.	WCB 01	0+90	5.6' R	B MODIFIED	13AX-B-MOD	GRATE	4.76	–	3.76	−1.00±	–	–	–	−1.00	−1.67
WEST BLVD	WCB 02	5+73.7	13' R	B MODIFIED	13AX-B-MOD	GRATE	5.25	–	4.25	1.61	–	1.51	–	−0.49	−1.16
WEST BLVD	WCB 03	6+25	13' L	B MODIFIED	13AX-B-MOD	GRATE	5.14	–	4.14	–	1.73	1.83	–	−0.27	−0.94
WEST BLVD	WCB 04	6+25	13' R	B MODIFIED	13AX-B-MOD	GRATE	5.14	–	4.14	–	–	–	1.89	−0.11	−0.78
~~W DEWEY ST~~	~~WCB 05~~	~~1+03~~	~~14.13' L~~	~~B MODIFIED~~	~~13AX-B-MOD~~	~~GRATE~~	~~5.34~~		~~4.34~~	~~2.08~~				~~0.08~~	~~0.58~~
WEST BLVD	WCB 06	7+75	13' R	B MODIFIED	13AX-B-MOD	GRATE	5.26	–	4.26	–	–	–	2.51	0.51	−0.16
WEST BLVD	WCB 07	7+75	13' L	B MODIFIED	13AX-B-MOD	GRATE	5.26	–	4.26	2.31	–	2.41	–	0.31	−0.36
WEST BLVD	WCB 08	8+02	13' L	B MODIFIED	13AX-B-MOD	GRATE	5.36	–	4.36	–	2.21	–	2.13	0.13	−0.54
WEST BLVD	WCB 09	17+76.5	13' L	B MODIFIED	13AX-B-MOD	GRATE	4.97	–	3.97	1.72	–	–	–	−0.28	−0.95
WEST BLVD	WCB 10	18+03	13' L	B MODIFIED	13AX-B-MOD	GRATE	4.91	–	3.91	1.35	1.35	–	1.25	−0.75	−1.42
WEST BLVD	WCB 11	18+25	13' L	B MODIFIED	13AX-B-MOD	GRATE	4.86	–	3.86	–	1.45	1.55	–	−0.55	−1.22
WEST BLVD	WCB 12	18+25	13' R	B MODIFIED	13AX-B-MOD	GRATE	4.86	–	3.86	–	–	–	1.61	−0.39	−1.06
WEST BLVD	WCB 13	20+25	13' R	B MODIFIED	13AX-B-MOD	GRATE	4.86	–	3.86	–	–	–	1.61	−0.39	−1.06
WEST BLVD	WCB 14	20+25	13' L	B MODIFIED	13AX-B-MOD	GRATE	4.86	–	3.86	1.45	–	1.55	–	−0.55	−1.22
WEST BLVD	WCB 15	20+50	13' L	B MODIFIED	13AX-B-MOD	GRATE	4.92	–	3.92	–	1.35	–	1.25	−0.75	−1.42
WEST BLVD	WCB 16	27+61	14' L	B MODIFIED	13AX-B-MOD	GRATE	5.27	–	4.27	–	–	2.02	–	0.02	−0.65
NORTH BLVD	WCB 17	3+08	17.5' R	B MODIFIED	13AX-B-MOD	GRATE	5.23	–	4.23	–	–	1.80	1.90	0.02	−0.65
~~W EVANS ST~~	~~WCB 18~~	~~1+88~~	~~15' R~~	~~B MODIFIED~~	~~13AX-B-MOD~~	~~GRATE~~	~~5.78~~		~~4.78~~				~~2.15~~	~~0.15~~	~~0.65~~
~~W HUDSON ST~~	~~WCB 19~~	~~1+88~~	~~15' R~~	~~B MODIFIED~~	~~13AX-B-MOD~~	~~GRATE~~	~~4.68~~		~~3.68~~				~~1.00~~	~~1.00~~	~~1.67~~
W MARTIN ST	WCB 20	1+62.51	15' R	B MODIFIED	13AX-B-MOD	GRATE	4.83	–	3.83	1.58	–	–	–	−0.42	−1.09
W MARTIN ST	WCB 21	1+62.51	15' L	B MODIFIED	13AX-B-MOD	GRATE	4.83	–	3.83	–	1.58	–	–	−0.42	−1.09
W COURT ST	WCB 22	0+97.5	7.5' L	B MODIFIED	13AX-B-MOD	GRATE	5.34	–	4.34	–	–	–	2.09	0.09	−0.58
E COOKE ST	ECB 01	1+25	15' R	B MODIFIED	13AX-B-MOD	GRATE	5.10	–	4.10	1.85	–	–	–	−0.15	−0.82
E COOKE ST	ECB 02	1+25	15' L	B MODIFIED	13AX-B-MOD	GRATE	5.10	–	4.10	–	1.75	–	1.65	−0.35	−1.02
EAST BLVD	ECB 03	2+12.5	15' R	B MODIFIED	13AX-B-MOD	GRATE	5.07	–	4.07	–	–	–	1.82	−0.18	−0.85
EAST BLVD	ECB 04	2+12.5	15' L	B MODIFIED	13AX-B-MOD	GRATE	5.07	–	4.07	1.23	–	1.72	1.15±	−0.65	−1.32
EAST BLVD	ECB 05	3+25	15' R	B MODIFIED	13AX-B-MOD	GRATE	5.10	–	4.10	–	–	–	1.85	−0.15	−0.82
EAST BLVD	ECB 06	3+25	15' L	B MODIFIED	13AX-B-MOD	GRATE	5.10	–	4.10	–	1.65	1.75	–	−0.15	−0.82
EAST BLVD	ECB 07	4+65	15' R	B MODIFIED	13AX-B-MOD	GRATE	5.01	–	4.01	–	–	–	1.76	−0.24	−0.91
EAST BLVD	ECB 08	4+67	15' L	B MODIFIED	13AX-B-MOD	GRATE	5.01	–	4.01	–	–	1.66	1.48±	−0.52	−1.19
EAST BLVD	ECB 09	6+25	15' R	B MODIFIED	13AX-B-MOD	GRATE	5.04	–	4.04	–	–	–	1.79	−0.21	−0.88
EAST BLVD	ECB 10	6+28	15' L	B MODIFIED	13AX-B-MOD	GRATE	5.04	–	4.04	–	–	1.69	0.9±	−0.31	−0.98
EAST BLVD	ECB 11	8+75	15' R	B MODIFIED	13AX-B-MOD	GRATE	5.16	–	4.16	–	–	–	2.44	−0.09	−0.76
EAST BLVD	ECB 12	8+75	15' L	B MODIFIED	13AX-B-MOD	GRATE	5.16	–	4.16	–	–	2.30	2.32	−0.09	−0.76
EAST BLVD	ECB 13	11+30	15' R	B MODIFIED	13AX-B-MOD	GRATE	5.64	–	4.64	–	–	–	2.39	0.59	−0.28
EAST BLVD	ECB 14	11+30	15' L	B MODIFIED	13AX-B-MOD	GRATE	5.64	–	4.64	–	–	2.29	2.13±	0.13	−0.54
EAST BLVD	ECB 15	15+75	15' R	B MODIFIED	13AX-B-MOD	GRATE	5.32	–	4.32	–	–	–	2.07	0.07	−0.60
EAST BLVD	ECB 16	15+75	15' L	B MODIFIED	13AX-B-MOD	GRATE	5.32	–	4.32	–	–	1.97	1.87	−0.13	−0.80
EAST BLVD	ECB 17	17+62.5	15' R	B MODIFIED	13AX-B-MOD	GRATE	5.33	–	4.33	–	–	–	2.08	0.08	−0.59
EAST BLVD	ECB 18	17+62.5	15' L	B MODIFIED	13AX-B-MOD	GRATE	5.33	–	4.33	–	–	1.98	1.88	−0.12	−0.79
EAST BLVD	ECB 19	18+75	15' R	B MODIFIED	13AX-B-MOD	GRATE	5.38	–	4.38	–	–	–	2.13	0.13	−0.54
EAST BLVD	ECB 20	18+78.7	15' L	B MODIFIED	13AX-B-MOD	GRATE	5.38	–	4.38	–	–	2.03	1.93	−0.07	−0.74
E COURT ST.	ECB 21	20+84.5	36.4'R	B MODIFIED	13AX-B-MOD	GRATE	5.38	–	4.38	2.63	–	–	–	0.63	−0.04
E COURT ST.	ECB 22	21+15	36.0'R	B MODIFIED	13AX-B-MOD	GRATE	5.48	–	4.48	–	2.53	–	2.43	0.43	−0.24
EAST BLVD	ECB 23	23+15.5	15' R	B MODIFIED	13AX-B-MOD	GRATE	5.41	–	4.41	–	–	–	2.16	0.16	−0.51
EAST BLVD	ECB 24	23+15.5	15' L	B MODIFIED	13AX-B-MOD	GRATE	5.41	–	4.41	–	–	2.06	1.96	−0.04	−0.71
EAST BLVD	ECB 25	25+25	15' L	B MODIFIED	13AX-B-MOD	GRATE	5.08	–	4.08	–	–	–	1.83	−0.17	−0.84
EAST BLVD	ECB 26	25+25	15' L	B MODIFIED	13AX-B-MOD	GRATE	5.08	–	4.08	–	–	1.73	1.63	−0.37	−1.04
~~W DEWEY ST~~	~~WMH 1~~	~~1+03~~	~~22.1' L~~			~~COVER~~	~~5.88~~	~~1.68~~	~~3.88~~			~~2.08~~	~~0.58~~	~~0.78~~	~~1.38~~
W MARTIN ST	WMH 2	1+62.51	0.0' L	–	–	COVER	5.17	4.17	3.17	1.48	1.48	0.78	0.70	−1.30	–
RHAME AVE	NCB 02	4+22.25	44.42' L	B MODIFIED	13AX-B-MOD	GRATE	4.85	–	3.85	–	–	0.40	–	0.50	−0.77
RHAME AVE	NCB 03	4+52	41.27' L	B MODIFIED	13AX-B-MOD	GRATE	4.85	–	3.85	–	–	–	0.40	0.50	−0.77
NORTH BLVD	NCB 04	4+45	20' R	B MODIFIED	13AX-B-MOD	GRATE	4.39	–	3.29	−2.24	−2.30	–	1.65	0.50	−3.41
RHAME AVE	NMH 01	4+46.27	40.6' L	–	–	COVER	4.85	3.85	1.63	−2.17	−2.04	0.30	0.30	0.50	−3.21

TABLE OF NEW STORM DRAINAGE PIPE

STREET NAME	UP STRUCTURE	UP INVERT	DN STRUCTURE	DN INVERT	PIPE DIA	APPROX LENGTH	MIN SLOPE
COOKE ST W	WCB 1	−1.00±	OUTLET	−2.12±	24"	8'	–
WEST BLVD	WCB 4	1.90	WCB 3	1.83	15"	22'	–
WEST BLVD	WCB 3	1.73	WCB 2	1.61	15"	48'	–
DEWEY ST W	WCB 2	1.51	EXIST MH	0.80	15"	222'	–
~~DEWEY ST W~~	~~WMH 1~~	~~0.78~~	~~OUTFALL~~	~~0.68~~	~~15"~~	~~48'~~	
~~DEWEY ST W~~	~~WCB 5~~	~~2.08~~	~~WMH 1~~	~~0.78~~	~~15"~~	~~6'~~	
WEST BLVD	WCB 6	2.00	WCB 7	1.94	15"	22'	–
WEST BLVD	WCB 7	1.84	WCB 8	1.78	15"	22'	–
SAMPSON ST W	WCB 8	1.68	OUTFALL	1.61	15"	228'	–
~~EVANS ST W~~	~~WCB 18~~	~~2.15~~	~~OUTFALL~~	~~2.05~~	~~15"~~	~~7'~~	
~~HUDSON ST W~~	~~WCB 19~~	~~1.00~~	~~OUTFALL~~	~~0.90~~	~~15"~~	~~6'~~	
WEST BLVD	WCB 12	1.61	WCB 11	1.55	15"	22'	–
WEST BLVD	WCB 11	1.45	WCB 10	1.35	15"	17'	–
FULTON ST W	WCB 10	1.25	EXIST MH	1.00±	15"	133'	–
WEST BLVD	WCB 9	1.72	WCB 10	1.35	15"	23'	–
WEST BLVD	WCB 13	1.61	WCB 14	1.55	15"	22'	–
WEST BLVD	WCB 14	1.45	WCB 15	1.35	15"	22'	–
WEST BLVD	WCB 15	1.25	WMH 2	0.78	15"	88'	–
WEST BLVD	WMH 2	0.70	OUTFALL	0.37	15"	68'	–
WEST BLVD	WCB 20	1.58	WMH 2	1.48	15"	12'	–
WEST BLVD	WCB 21	1.58	WMH 2	1.48	15"	12'	–
COURT ST W	WCB 22	2.09	OUTFALL	2.0±	15"	4'	–
WEST BLVD	WCB 16	2.02	WCB 17	1.90	15"	45'	–
NORTH BLVD	WCB 17	1.80	NCB4	1.65	15"	137'	–
RHAME AVE	NCB 4	−2.24	NMH 1	−2.04	36"	57'	–
RHAME AVE	NCB 2	0.40	NMH 1	0.00	18"	20'	–
RHAME AVE	NCB 3	0.40	NMH 1	0.30	18"	3'	–
NORTH BLVD	NCB 4	−2.30	OUTFALL	−2.0±	36"	20'	–
COOKE ST E	ECB 1	1.85	ECB 2	1.75	15"	24'	–
COOKE ST E	ECB 2	1.65	OUTLET	1.55±	15"	52'	–
EAST BLVD	ECB 3	1.82	ECB 4	1.72	15"	26'	–
EAST BLVD	ECB 4	1.15±	OUTLET	1.00±	15"	12'	–
EAST BLVD	ECB 5	1.85	ECB 6	1.75	15"	26'	–
EAST BLVD	ECB 6	1.65	ECB 4	1.23	15"	107'	–
EAST BLVD	ECB 6	1.55±	OUTLET	1.00±	15"	12'	–
EAST BLVD	ECB 7	1.76	ECB 8	1.66	15"	26'	–
EAST BLVD	ECB 8	1.48±	OUTFALL	1.00±	15"	12'	–
EAST BLVD	ECB 9	1.79	ECB 10	1.69	15"	26'	–
EAST BLVD	ECB 10	0.9±	OUTFALL	0.7±	15"	12'	–
EAST BLVD	ECB 11	2.44	ECB 12	2.30	15"	26'	–
EAST BLVD	ECB 12	2.32	OUTFALL	1.64±	15"	12'	–
EAST BLVD	ECB 13	2.39	ECB 14	2.29	15"	26'	–
EAST BLVD	ECB 14	2.13±	OUTFALL	0.17±	15"	12'	–
EAST BLVD	ECB 15	2.07	ECB 16	1.97	15"	26'	–
EAST BLVD	ECB 16	1.87	OUTFALL	0.15±	15"	12'	–
EAST BLVD	ECB 17	2.08	ECB 18	1.98	15"	26'	–
EAST BLVD	ECB 18	1.88	OUTFALL	0.06±	15"	12'	–
EAST BLVD	ECB 19	2.13	ECB 20	2.03	15"	26'	–
EAST BLVD	ECB 20	1.93	OUTFALL	−1.12±	15"	12'	–
COURT ST E	ECB 21	2.63	ECB 22	1.53	15"	24'	–
COURT ST E	ECB 22	2.43	OUTFALL	0.50	15"	62'	–
EAST BLVD	ECB 23	2.16	ECB 24	2.06	15"	26'	–
EAST BLVD	ECB 24	1.96	OUTFALL	−0.15±	15"	12'	–
EAST BLVD	ECB 25	1.83	ECB 26	1.73	15"	26'	–
EAST BLVD	ECB 26	1.63	OUTFALL	−0.23±	15"	12'	–

TABLE OF NEW STORM DRAINAGE YARD DRAIN

STREET NAME	UP STRUCTURE	UP INVERT	DN STRUCTURE	DN INVERT	PIPE DIA	APPROX LENGTH	MIN SLOPE
WEST BLVD	YD-01	1.75	WCB14	1.65	8"	61'	–
WEST BLVD	YD-02	1.75	WCB14	1.71	8"	9'	–

NO.	DATE	REVISIONS
1	3-9-20	REVISED AS PER TOWN COMMENTS
2	5-5-20	REVISED AS PER TOWN COMMENTS

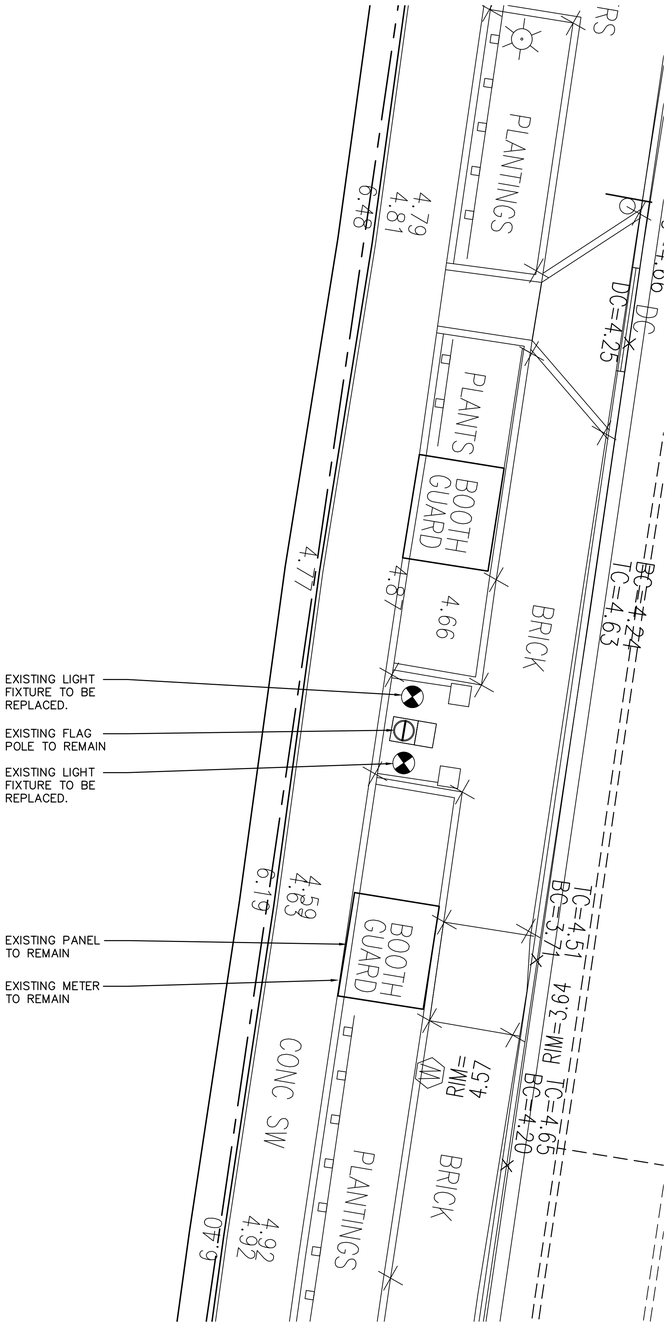
In Charge: – J.A.G.
Compilation:–
Design: – V.L.
Drawn: – R.J.W
Checked: – J.A.G.
Reviewed: –

TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644
Department of Engineering

DRAINAGE SRUCTURE TABLES

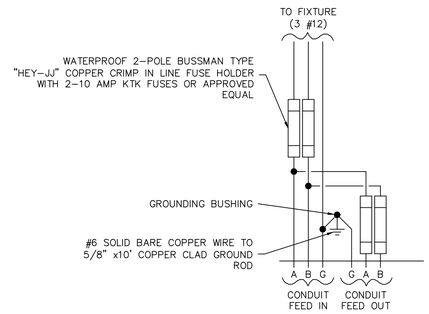
G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

Scale: NA
Date: APRIL 2020
File No.: 18033.100
Dwg No.: C908
Sheet No.: 33 of 34



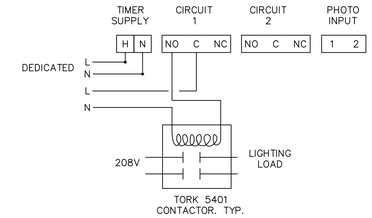
1 / E201 ELECTRIC FLAG POLE LIGHTING PLAN

SCALE: 1" = 5'-0"



UPLIGHT WIRING DIAGRAM (1ø, 240V, 3W)

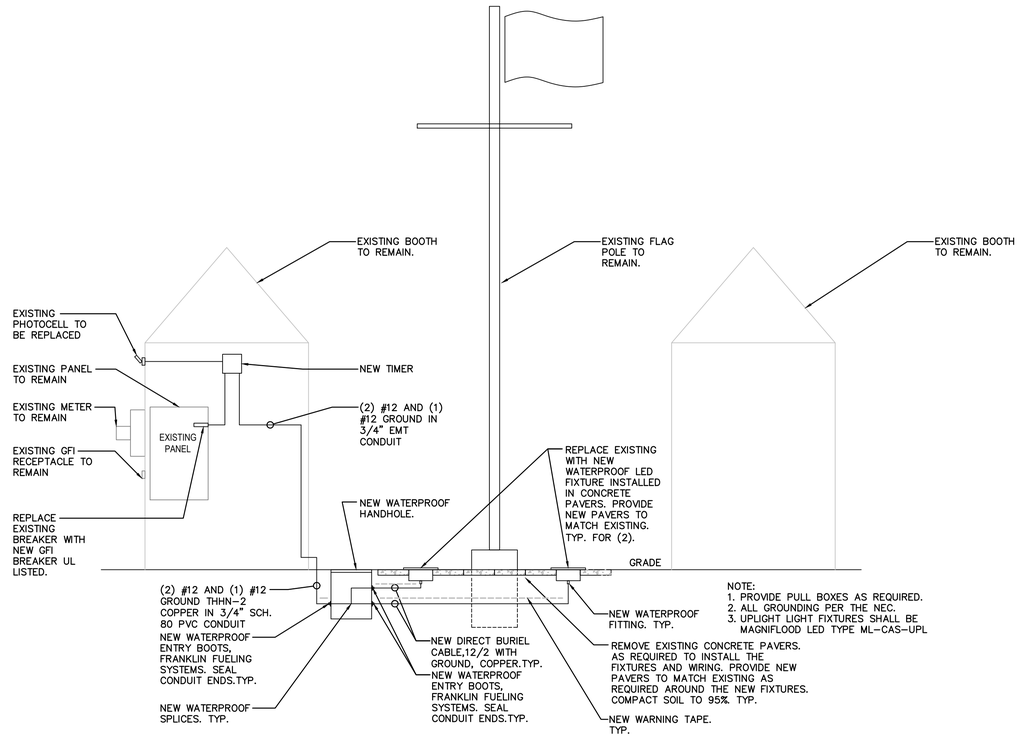
NOT TO SCALE



NOTES:
1. TORK DGLC TIMER OR APPROVED EQUAL.
2. PROVIDE MODEL 5441 CONTACTOR PANELS WHERE MULTIPLE LIGHTING CIRCUITS ARE USED.
3. PROVIDE ALL POWER AND CONTROL WIRE NECESSARY.

TIME CLOCK WIRING DIAGRAM

NOT TO SCALE



NOTE:
1. PROVIDE PULL BOXES AS REQUIRED.
2. ALL GROUNDING PER THE NEC.
3. UPLIGHT LIGHT FIXTURES SHALL BE MAGNIFLOOD LED TYPE ML-CAS-UPL

ONE LINE

SCALE: NTS

NO.	DATE	REVISIONS
1	3-9-20	REVISED AS PER TOWN COMMENTS
2	5-5-20	REVISED AS PER TOWN COMMENTS

In Charge:	–	J.A.G.
Compilation:	–	
Design:	–	V.L.
Drawn:	–	R.J.W
Checked:	–	J.A.G.
Reviewed:	–	

TOWN OF HEMPSTEAD, N.Y. FOUNDED 1644

Department of Engineering

FLAG POLE LIGHTING PLAN NORTH BLVD

G.O.S.R.
STORMWATER DRAINAGE & ROADWAY IMPROVEMENTS
EAST BOULEVARD AND WEST BOULEVARD
BAY PARK, NEW YORK 11518

Scale:	AS NOTED
Date:	APRIL 2020
File No.:	18033.100
Dwg No.:	E201
Sheet No.:	34 of 34

811 Know what's below. Call before you dig.

Appendix A5

Mill River Greenway

This page intentionally left blank.

PROJECT SITE MAP

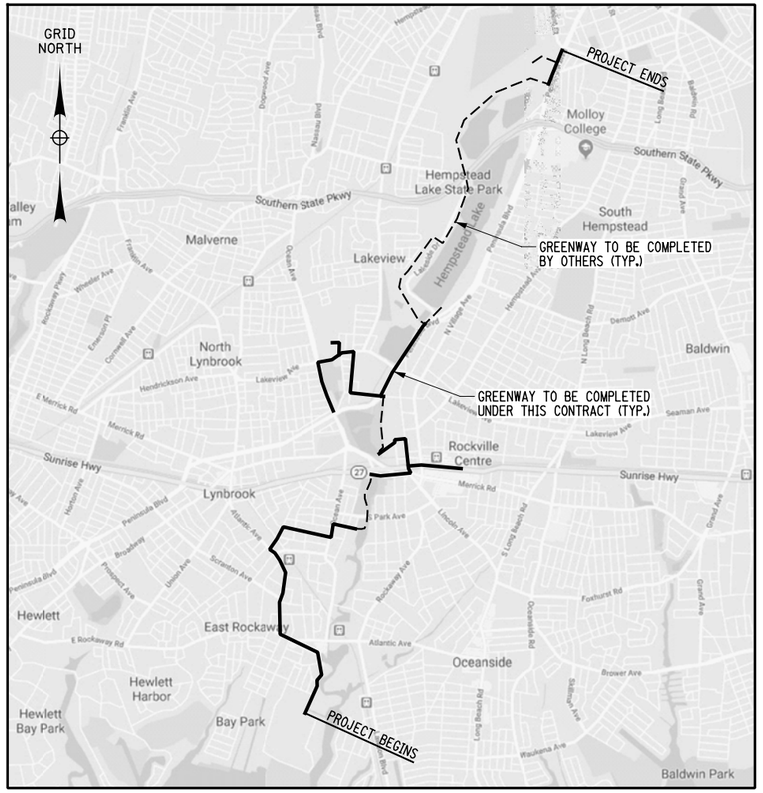
PERMIT SET SUBMISSION
NOT FOR CONSTRUCTION

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
(PROJECT MM)
TOWN OF HEMPSTEAD, NY

JUNE 2020

104 SHEETS

NASSAU COUNTY



PROJECT LOCATION MAP

SCALE: NTS

PROJECT DESCRIPTION:

THIS PROJECT INCLUDES UPGRADING THE MILL RIVER GREENWAY TO CURRENT ADA STANDARDS AND INSTALLING SITE AMENITIES THROUGHOUT THE PROJECT LIMITS. THE SITE AMENITIES INCLUDE DRAINAGE RETENTION DEVICES, SITE FURNISHINGS, TRAILHEAD AND GATEWAYS, SURFACE TREATMENTS, PEDESTRIAN LIGHTING, AND EDUCATIONAL SIGNAGE. THE PROJECT ALSO INCLUDES SIDEWALK ALONG MAINE AVENUE WHILE IMPLEMENTING GREEN INFRASTRUCTURE PRACTICES.

Governor's Office of Storm Recovery

APPROVED BY

XXXX, GOSR

PLANS PREPARED AND RECOMMENDED BY:

JUNE 2020

M.J. ENGINEERING & LAND SURVEYING, P.C. DATE
MICHAEL D. PANICHELLI, NYSPE LIC. NO. 074751

Living with the BAY

Engineering and Land Surveying, P.C.

1533 Crescent Road - Clifton Park, NY 12065

LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD, NY
COUNTY: NASSAU SHEET NO. 1

INDEX ON DWG. NO. ABB-01

DESIGN SUPERVISOR M. PANICHELLI JOB MANAGER B. COOPER DESIGNED BY M. WALSH CHECKED BY C. SWAYNE
DRAFTED BY M. WALSH ESTIMATED BY M. WALSH CHECKED BY C. SWAYNE

FILE NAME = F:\mj1150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\115004_cph_cvr.dgn
DATE/TIME = 6/12/2020 11:29:30 AM
USER = mwalsh

ALIGNMENT	
ABBR.	DESCRIPTION
AH	AHEAD
AZ	AZIMUTH
BK	BACK
℄	BASELINE
BRG	BEARING
℄	CENTERLINE
CS	CURVE TO SPIRAL
e	SUPERELEVATION RATE (CROSS SLOPE)
EQ	EQUALITY
EXT	EXTERNAL
HCL	HORIZONTAL CONTROL LINE
HSD	HEADLIGHT SIGHT DISTANCE
L	LENGTH OF CIRCULAR CURVE
LS	LENGTH OF SPIRAL
LVC	LENGTH OF VERTICAL CURVE
E	CENTER CORRECTION OF VERTICAL CURVE
ML	MAIN LINE
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
POL	POINT ON LINE
PSD	PASSING SIGHT DISTANCE
PT	POINT OF TANGENT
PVC	POINT OF VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENT
R	RADIUS
SC	SPIRAL TO CURVE
SSD	STOPPING SIGHT DISTANCE
ST	SPIRAL TO TANGENT
STA	STATION
T	TANGENT LENGTH
TGL	THEORETICAL GRADE LINE
TS	TANGENT TO SPIRAL
VC	VERTICAL CURVE

UTILITIES	
ABBR.	DESCRIPTION
E	ELECTRIC
EMH	ELECTRIC MANHOLE
G	GAS
GP	GUY POLE
GSB	GAS SERVICE BOX (HOUSE LINE)
GV	GAS VALVE (MAIN LINE)
HYD	HYDRANT
LP	LIGHT POLE
LPG	LOW PRESSURE GAS
PP	POWER POLE
SA	SANITARY SEWER
SMH	SANITARY MANHOLE
ST	STORM SEWER
T	TELEPHONE
TCB	TRAFFIC CONTROL BOX
TELBOX	TELEPHONE BOX
TEL P	TELEPHONE POLE
TMH	TELEPHONE MANHOLE
CTV	CABLE TELEVISION
W	WATER
WSB	WATER SERVICE BOX (HOUSE LINE)
WV	WATER VALVE (MAIN LINE)

TOPOGRAPHY (MISCELLANEOUS)	
ABBR.	DESCRIPTION
ABUT	ABUTMENT
AOBE	AS ORDERED BY ENGINEER
ASPH	ASPHALT
BDY	BOUNDARY
BLDG	BUILDING
BM	BENCH MARK
CC	CENTER TO CENTER
CONC	CONCRETE
CONST	CONSTRUCTION
CR	COUNTY ROAD
D	DEED DISTANCE
DM	DIRECT MEASUREMENT
DWY	DRIVEWAY
EP	EDGE OF PAVEMENT
ES	EDGE OF SHOULDER
FEE	FEE ACQUISITION
FEE WO/A	FEE ACQUISITION WITHOUT ACCESS
FP	FENCE POST
FD	FOUNDATION
FL	FENCE LINE
GAR	GARAGE
GR	GRAVEL
HO	HOUSE
HWY	HIGHWAY
IP	IRON PIN OR IRON PIPE
MB	MAILBOX
MON	MONUMENT
N&W	NAIL AND WASHER
OG	ORIGINAL GROUND
O/H	OVERHEAD
P	PARCEL
PAV'T	PAVEMENT
PE	PERMANENT EASEMENT
PED POLE	PEDESTRIAN POLE
ℙ	PROPERTY LINE
POR	PORCH
RR	RAILROAD
RTE	ROUTE
ROW	RIGHT OF WAY
RW	RETAINING WALL
SH	STATE HIGHWAY
SHLDR	SHOULDER
SPK	SPIKE
ST	STREET
STK	STAKE
STY	STORY
SW	SIDEWALK
TE	TEMPORARY EASEMENT
TO	TEMPORARY OCCUPANCY
U/G	UNDERGROUND
WW	WING WALL

TOPOGRAPHY (DRAINAGE)	
ABBR.	DESCRIPTION
BB	BOTTOM OF BANK (STREAM)
BC	BOTTOM OF CURB
BO	BOTTOM OF OPENING
CAP	CORRUGATED ALUMINUM PIPE
CB	CATCH BASIN
CIP	CAST IRON PIPE
℄ STRM	CENTERLINE OF STREAM
CMP	CORRUGATED METAL PIPE
CP	CONCRETE PIPE
CSP	CORRUGATED STEEL PIPE
CULV	CULVERT
DIA	DIAMETER
DMH	DRAINAGE MANHOLE
DS	DRAINAGE STRUCTURE PIPE
D'XING	DITCH CROSSING
EHW	EXTREME HIGH WATER
EL	ELEVATION
ELEV	ELEVATION
ELW	EXTREME LOW WATER
ES	END SECTION
HW	HEADWALL
INV	INVERT
MH	MANHOLE
MHW	MEAN HIGH WATER
OHW	ORDINARY HIGH WATER
OLW	ORDINARY LOW WATER
RCP	REINFORCED CONCRETE PIPE
SICPP	SMOOTH INTERIOR CORRUGATED PE
TB	TOP OF BANK (STREAM)
TC	TOP OF CURB
TG	TOP OF GRATE
VCP	VITRIFIED CLAY PIPE

SUBSURFACE EXPLORATION	
ABBR.	DESCRIPTION
REPLACE ABBREVIATION "AB" WITH:	
AH	HAND AUGER
CP	CONE PENETROMETER
DA	2½" CASED DRILL HOLE
DM	DRILLING MUD
DN	4" CASED DRILL HOLE
FH	HOLLOW FLIGHT AUGER
PA	POWER AUGER
PH	PROBE
PT	PERCOLATION TEST HOLE
RP	1" SAMPLER (RETRACTABLE PLUG) TO BE DEFINED AT THE TIME OF EXPLORATION
SP	SEISMIC POINT
TP	TEST PIT
REPLACE ABBREVIATION "C" IN CATAGORIES: DA, DM, DN AND FH WITH:	
B	BRIDGE
C	CUT
D	DAM
F	FILL
K	CULVERT
W	WALL
X	TO BE USED IF ONE OF THE ABOVE CANNOT BE DEFINED AT THE TIME THE EXPLORATION IS MADE

STANDARD SYMBOL (PLANS)	ITEM PAYMENT UNIT: ESTIMATE OF QUANTITIES SHEET	EQUIVALENT NOMENCLATURE: (SPECS/PROPOSAL)
"	-	INCHES
'	LF	LINEAR FEET
mi	MI	MILES
ft^2	SF	SQUARE FEET
YD^2	SY	SQUARE YARD
AC	AC	ACRES
YD^3	CY	CUBIC YARD
GAL	GAL	GALLON
lb	LB	POUND
TON	TON	TON

DRAWING INDEX

SHEET	DESCRIPTION	DWG. NO.
1	COVER SHEET & INDEX	-
2	ABBREVIATIONS	ABB-01
3-4	LEGEND	LEG-01 TO LEG-02
5	JURISDICTIONAL AUTHORITY MAP	JP-01
6-10	PROJECT KEY PLAN	KP-01 TO KP-05
11	TYPICAL SECTION	TYP-01
12	GENERAL NOTES	GNN-01
13	WORK ZONE TRAFFIC CONTROL NOTES	WZTN-01
14-21	WORK ZONE TRAFFIC CONTROL DETAILS	WZTD-01 TO WZTD-08
22-24	SURVEY PROJECT CONTROL	BLT-01 TO BLT-03
25-27	MISCELLANEOUS TABLES	MST-01 TO MST-03
28-36	MISCELLANEOUS DETAILS	MSD-01 TO MSD-09
37	EROSION AND SEDIMENT CONTROL NOTES AND TABLES	ECT-01
38	EROSION AND SEDIMENT CONTROL DETAILS	ECD-01
39-92	GENERAL PLAN	GNP-01 TO GNP-54
93	SIGN TABLES	SGT-01
94-95	SIGN PLAN	SGP-01 TO SGP-02
96-98	SIGN DETAILS	SGD-01 TO SGD-03
99-104	LANDSCAPE DETAILS	LSD-01 TO LSD-06

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | CHECK C. SWAYNE | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\mj1150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\1150.04_cph_abb_01.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY

TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN:

BRIDGE

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDEX AND ABBREVIATIONS

CONTRACT NUMBER

DRAWING NO. ABB-01
SHEET NO. 2

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road • Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

ALIGNMENT

STYLE	NAME	DESCRIPTION
	AC	CONTROL (CENTERLINE)
	AD_P	DETOUR
	AT_P	TRANSITION CONTROL

BRIDGE

STYLE	NAME	DESCRIPTION
	BR	RAIL
	BSHT	SHEET PILING

CONTROL

STYLE	NAME	DESCRIPTION
℄	CB	BASELINE
	CBPR	BASELINE, PROJECTION

DRAINAGE

STYLE	NAME	DESCRIPTION
ST	DCP	CULVERT PIPE
ST	DCP_P	CULVERT PIPE (DIR)
	DDG_P	DITCH, GRASS LINED
	DDP_P	DITCH, PAVED INVERT
	DDS_P	DITCH, STONE LINED
	DFL_P	FLOW LINE
	DSSD	SLOTTED DRAIN

ENVIRONMENTAL

STYLE	NAME	DESCRIPTION
S	EBLHS	BALE, HAY/STRAW
	ECT	CURTAIN, TURBIDITY
	EDMC	DAM, COFFER TYPE
	EDMEC_P	DAM, EARTHEN, CHECK
	EDMPC_P	DAM, PREFAB, CHECK
	EDMSC_P	DAM, STONE, CHECK
	EFNS	FENCE, SILT
×	EFNSV	FENCE, SILT/VEGETATION
×	EFNV	FENCE, VEGETATION
AA	EWAA_P	WETLAND, ADJACENT AREA
FW	EWF	WETLAND, FEDERAL
SW FW	EWFS	WETLAND, FEDERAL/STATE
WM	EWM	WETLAND, MITIGATION AREA
SW	EWS	WETLAND, STATE

SIGNS

	SBLB	BILLBOARDS
	SM	MULTIPLE POST

SIGNS - (CONT'D)

STYLE	NAME	DESCRIPTION
	SSO	STRUCTURE, OVERHEAD
	SSOC	STRUCTURE, OVHD. CANTILEVER

LANDSCAPE

	LABL	AREA, BRUSH LINE
	LAHR	AREA, HEDGE ROW
	LAPB	AREA, PLANTING BED
	LAWA	AREA, WOODED AREA OUTLINE
	LAWE	AREA, WATERS EDGE
	LCUT_P	CUT LIMIT
	LFILL_P	FILL LIMIT
	LFNC	FENCE
	LTRC	TREE ROW, CONIFEROUS
	LTRD	TREE ROW, DECIDUOUS
	LWH	WALL, H PILE
RW RW	LWR	WALL, RETAINING
	LWS	WALL, STONE

ROW MAPPING

	MDL	DEED LINE
PE	MEE	EASEMENT, EXISTING
	MEP_P	EASEMENT, PERMANENT
APE	MEPA_P	EASEMENT, PERMANENT, APPROX.
TE	MET_P	EASEMENT, TEMPORARY
ATE	META_P	EASEMENT. TEMPORARY, APPROX.
FEE	MF_P	FEE ACQUISITION, W/ ACCESS
AFEE	MFA_P	FEE ACQUISITION, APPROXIMATE
	MFS_P	FEE ACQUISITION, SHAPE
FEE W/OA	MFWOA_P	FEE ACQUISITION, W/O ACCESS
HB	MHB	HIGHWAY BOUNDARY
AHB	MHBA	HIGHWAY BOUNDARY, APPROX.
	MHBW	HWY BOUNDARY, FACE OF WALL
HB W/OA	MHBWOA	HIGHWAY BOUNDARY, W/O ACCESS
	MJC	JURISDICTION, CITY
	MJCY	JURISDICTION, COUNTY
	MJHD	JURISDICTION, HISTORIC DIST.
	MJLL	JURIS., (MILITARY) LOT LINE
	MJN	JURISDICTION, NATION
	MJPB	JURISDICTION, PUBLIC LANDS
	MJS	JURISDICTION, STATE
	MJT	JURISDICTION, TOWN
	MJV	JURISDICTION, VILLAGE
℄	MPL	PROPERTY LOT LINE
A℄	MPLA	PROPERTY LOT LINE, APPROX.
	MSL	SUB LOT LINE

ROADWAY

STYLE	NAME	DESCRIPTION
	RG	GUIDE RAIL, MISCELLANEOUS
	RGB	GUIDE RAIL, BOX BEAM
	RGBM	GUIDE RAIL, BOX BEAM, MEDIAN
	RGC	GUIDE RAIL, CABLE
	RGCB	GUIDE RAIL, CONC. BARRIER
	RGP_P	GUIDE POST
	RGW	GUIDE RAIL, W BEAM
	RGWM	GUIDE RAIL, W BEAM, MEDIAN
	RPB	PARKING BUMPER
	RRC	RAIL ROAD, CATENARY
3R	RRER	RAIL ROAD, 3RD RAIL
	RRPLS_P	RAIL, PHOTO, LARGE SCALE
	RRPSS	RAIL, PHOTO, SMALL SCALE
	RRS	RUMBLE STRIP
	RRSLS_P	RAIL, SURVEY, LARGE SCALE
	RRSSS	RAIL, SURVEY, SMALL SCALE

STRIPING

	STB•	BROKEN LINE
	STDB•	DOUBLE BROKEN LINE
	STDL•	DOTTED LINE LONG
	STDS•	DOTTED LINE SHORT
	STFB•	FULL BARRIER LINE
	STH•	HATCH LINE
	STPB•	PARTIAL BARRIER LINE
	STRCT	ROUNDABOUT, CAT TRACKS
	STRYL	ROUNDABOUT, YIELD LINE
	STSB	STOP BAR
	STSE	SOLID, EDGE
	STXL•	X WALK, LADDER LINE
		•=W (WHITE) OR Y (YELLOW)

TRAFFIC CONTROL

	TCSW	SIGNAL, SPAN WIRE

TRAFFIC MAINTENANCE

	TMBCD_P	BARRICADES
	TMBCDL_P	BARRICADES, LIGHTED
	TMBT_P	BARRIER, TEMPORARY
	TMBTL_P	BARRIER, TEMP., LIGHTED
	TMDB_P	DEVICE, BARRELS
	TMDBL_P	DEVICE, BARRELS, LIGHTED
	TMDC_P	DEVICE, CONES

UTILITIES

STYLE	NAME	DESCRIPTION
C	UC	CONDUIT, UNDERGROUND
]C[	UCH	CONDUIT, HANGING
OC	UCO	CONDUIT, OVERHEAD
E	UE	ELECTRIC LINE, UNDERGROUND
]E[	UEH	ELECTRIC LINE, HANGING
OE	UEO	ELECTRIC LINE, OVERHEAD
OET	UETO	ELECTRIC TRANSMISSION, O/H
	UESS	ELECTRIC, SUBSTATIONS
FO	UFO	FIBER OPTIC, UNDERGROUND
]FO[	UFOH	FIBER OPTIC, HANGING
OFO	UFOO	FIBER OPTIC, OVERHEAD
G	UG	GAS, UNDERGROUND
]G[	UGH	GAS, HANGING
OG	UGO	GAS, OVERHEAD
IC	UIC	INFORM CABLE, UNDERGROUND
]IC[	UICH	INFORM CABLE, HANGING
O	UO	OIL LINE, UNDERGROUND
]O[	UOH	OIL LINE, HANGING
	UPBP	POLE, BRACE, PUSH BRACE
	UPGW	POLE, GUY WIRE
SA	USA	SANITARY SEWER, UNDERGROUND
]SA[	USAH	SANITARY SEWER, HANGING
SAF	USAF	SANITARY SEWER, FORCE MAIN, UGND
]SAF[	USAFH	SANITARY SEWER, FORCE MAIN, HANG
T	UT	TELEPHONE, UNDERGROUND
]T[	UTH	TELEPHONE, HANGING
OT	UTO	TELEPHONE, OVERHEAD
CTV	UTV	CABLE TV, UNDERGROUND
]CTV[	UTVH	CABLE TV, HANGING
OCTV	UTVO	CABLE TV, OVERHEAD
UU	UUU	UNKNOWN, UNDERGROUND
]UU[	UUH	UNKNOWN, HANGING
OUU	UUO	UNKNOWN, OVERHEAD
W	UW	WATER LINE, UNDERGROUND
]W[	UWH	WATER LINE, HANGING
OW	UWO	WATER LINE, OVERHEAD

1. THE LEGEND ILLUSTRATES MAPPING FEATURES (EXISTING AND PROPOSED).
2. FEATURES ARE SHOWN AS EITHER LINEAR (ROADWAY GUIDERAIL, ROADWAY, SIDEWALK, UTILITY LINES, OR POINT (SIGN, UTILITY POLE, ETC.).
3. FEATURES SHOWN ON THE LEGEND AS EXISTING FEATURES ALSO HAVE CORRESPONDING PROPOSED FEATURES.
4. PROPOSED FEATURE SYMBOLOGY IS IDENTICAL TO EXISTING FEATURE SYMBOLOGY EXCLUDING LINE WEIGHT. LINE WEIGHT FOR PROPOSED FEATURES IS THICKER.
5. MAPPING FEATURES NOT INCLUDED ON THE LEGEND SHEET DO NOT HAVE A UNIQUE SYMBOLOGY (SUCH AS THE PAVEMENT EDGE, PAVEMENT EDGE OF TRAVEL WAY) AND SHOULD BE LABELED ON THE PLANS.
6. FEATURES SHOWN AT THE HEAVIER WEIGHT ARE PROPOSED ONLY AND DO NOT HAVE CORRESPONDING EXISTING FEATURES.

DESIGN SUPERVISOR **M. PANICHELLI** | JOB MANAGER **B. COOPER** | DESIGN **M. WALSH** | CHECK **C. SWAYNE** | DRAFTING **M. WALSH** | CHECK **C. SWAYNE** | PROJECT MANAGER **C. SWAYNE**

FILE NAME = F:\mj\1150\M31150.04 GOSR Mill River Greenway\DGN_Final Design\115004_cph_leg_01.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY

TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN:

BRIDGE

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

LEGEND
LINE SYMBOLOGY

CONTRACT NUMBER

DRAWING NO. LEG-01

SHEET NO. 3

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

ALIGNMENT

CELL	NAME	DESCRIPTION
	ACC	CENTER OF CURVATURE
	ACOGO	COGO
	ACS	CURVE TO SPIRAL
	ADPI_P	DETOUR, POINT OF INTERSECT.
	ADPL_P	DETOUR, POINT ON LINE
	AEQN	EQUATION
	AEQNAHD	EQUATION AHEAD
	AEQNBK	EQUATION BACK
	AEVT	EVENT STATION
	APC	POINT OF CURVATURE
	APCC	POINT OF COMPOUND CURVATURE
	API	POINT OF INTERSECTION
	APOB	POINT OF BEGINNING
	APOC	POINT OF CURVATURE
	APOE	POINT OF END
	APOL	POINT ON LINE
	APOS	POINT ON SPIRAL
	APOT	POINT ON TANGENT
	APOVC	POINT ON VERTICAL CURVE
	APOVT	POINT ON VERTICAL TANGENT
	APORC	POINT ON REVERSE CURVE
	APT	POINT OF TANGENCY
	APVC	POINT OF VERTICAL CURVATURE
	APVCC	POINT OF VERT. CMPND CURVE
	APVI	POINT OF VERT. INTERSECTION
	APVRC	POINT OF VERT. REVERSE CURVE
	APVT	POINT OF VERTICAL TANGENCY
	ASC	SPIRAL TO CURVE
	ASPI	SPIRAL POINT OF INTERSECTION
	ASTS	SPIRAL TO SPIRAL
	AST	SPIRAL TO TANGENT
	ATS	TANGENT TO SPIRAL
	AVEVT	VERTICAL EVENT POINT
	AVHIGH	VERTICAL HIGH POINT
	AVLOW	VERTICAL LOW POINT

BRIDGE

	BSC	BRIDGE, SCUPPER

CONTROL

	CBP	BASELINE, POINT
	CBPOL	BASELINE, POINT ON LINE
	CBSP	BASELINE, SPUR POINT
	CBTP	BASELINE, TIE POINT
	CPBM	BENCHMARK
	CPH	POINT, HORIZ. PHOTOGRAMMETRY
	CPSM	POINT, SURVEY MARKER, PERM.
	CPSV	POINT, VERT., PHOTOGRAMMETRY

DRAINAGE

CELL	NAME	DESCRIPTION
	DINV	INVERT
	DS	STRUCTURE, RECTANGULAR
	DSI	STRUCTURE, INVERT
	DSM	STRUCTURE, MANHOLE
	DSMTXX_P	STRUCTURE, MANHOLE, TYPE "XX" "XX" = 48, 60, 72, 96
	DSR	STRUCTURE, ROUND
	DST"X"CB P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R
	DST"X" P	STRUCTURE, RECT., TYPE "X" "X" = I, K, L, M, O, P, U

ENVIRONMENTAL

CELL	NAME	DESCRIPTION
CULV	EIOP_P	STR., INLET, OUTLET PROT.
GB	EIPGB_P	STR., INLET PROT., GRAVEL BAG
H/S	EIPHS_P	STR., INLET PROT., HAY/STRAW
PRFB	EIPP_P	STR., INLET PROT., PREFAB.
SF	EIPSF_P	STR., INLET PROT., SILT FENCE
	ERCB	RISER, CONCRETE BOX
	ETRS_P	TRAP, SEDIMENT
	EWFG	WETLAND FLAG

GEOTECHNICAL

	GDH	DRILL HOLE

LANDSCAPE

	LELS	ELEVATION, SPOT
P	LFP	FLAG POLE
	LMB	MAILBOX
	LPB	PAPER BOX
	LPST	POST, SINGLE
	LRB	ROCK, BOULDER
	LSHC	SHRUB, CONIFEROUS
	LSHD	SHRUB, DECIDUOUS
	LTC	TREE, CONIFEROUS
	LTD	TREE, DECIDUOUS
	LTS	TREE, STUMP
	LTW P	TREE, WELL OR WALL
	LUKP	UNKNOWN POINT

ITS

CELL	NAME	DESCRIPTION
	IANT P	ANTENNAS
A	IASCTS	ACCOU. SPEED/COUNT SNSR.S
P	ICABPAD	CABINET & PAD
	ICCTV	CCTV SITE
CDPD	ICDPD	CDPD TRANSCEIVER
	ICELLT	CELL PHONE TOWER
	ICJB	CONDUIT JACK OR BORING
	ICNTLCAB	CONTROLLER CABINET
C	ICPB	COMMUNICATION PULL BOX
	ICTD	CONDUIT TURNING DOWN
	ICTU	CONDUIT TURNING UP
C	ICVTRT	COMM. VEH. ROAD TRANSCEIVER
	IDEFAULT	DEFAULT
EZ	IEZR	E-ZPASS READER
EZ-T	IEZTR	TRANSMITTAL READER
XC	IFOXCAB	FIBER OPTIC X-CONNECT CABINET
	IFUSSPL	FUSION SPLICE
	IHARADV	HAR ADVISORY SIGN
H	IHARST	HAR SITE
LC	ILC	LOAD CENTER
	IMECSPL	MECHANICAL SPLICE
PM	IMSCS	PORT. SPEED & COUNT SENSOR
M	IMSCTS	MICRO SPEED & COUNT SENSOR
M	IMT	MICROWAVE TRANSCEIVER
VMS	IOVHVMS	PERM. OVERHEAD VMS
PA	IPASCS	PORT. ACCOU. SPD & CNT. SENSOR
	IPEDS	PEDESTRIAN SIGNAL HEAD
	IPSS	PAVEMENT SURFACE SENSOR
PVMS	IPVMS	PERM. VMS
RM	IRM	RAMP METER
RWIS	IRWIS	RDWY WEATHER INFO. SENSOR
	ISP	SOLAR PANEL
SS	ISST	SPREAD SPECT. TRANSCEIVER
TC	ITDB	TELEPHONE DEMARCATION BLK
TP	ITP	SUBSURFACE TEMP. PROBE
	IVTRT	VEHICLE TO RDWY TRANSCEIVER
WIM	IWIMD	WEIGHT IN MOTION DETECTOR
WVR	IWVR	WIRELESS VIDEO REPEATER
V	IWVRC	WIRELESS VIDEO RECEIVER
V	IWVTT	WIRELESS VIDEO TRANSMITTER

SIGNS

CELL	NAME	DESCRIPTION
	S	SINGLE POST
	S_P	SINGLE POST, PROPOSED
	SB_P	BACK TO BACK, PROPOSED
	SDEL	DELINEATORS
	SPM	PARKING METER
RFM	SRM	REFERENCE MARKERS
	SRSC3	SHLD, CTY, 123 DIG.
	SRSC4	SHLD, CTY, 4 DIG.
	SRSCT2	SHLD, CTY TOUR, 1-2 DIG.
	SRSCT4	SHLD, CTY TOUR, 3-4 DIG.
	SRSI	SHLD, INTERSTATE
	SRSN2	SHLD, NATIONAL, 2 DIG.
	SRSN3	SHLD, NATIONAL, 3 DIG.
	SRSS2	SHLD, STATE, 2 DIG.
	SRSS3	SHLD, STATE, 3 DIG.
	SRSS4	SHLD, STATE, 4 DIG.

TRAFFIC CONTROL

	TCBJ	BOX, JUNCTION
	TCBP	BOX, PULL BOX
	TCBS	BOX, SPLICE
C	TCMC	MICROCOMPUTER CABINET
	TCPP	PED POLE
	TCSH	SIGNAL HEADS
	TCSP	SIGNAL POLE

TRAFFIC WORK ZONE

	TWZAP_P	ARROW PANEL
	TWZAPC_P	ARROW PANEL, CAUTION MODE
	TWZAPT_P	ARROW PANEL, TRAILER OR SUPPORT
	TWZBCD_P	BARRICADE (TYPE III)
	TWZCMS_P	CHANGEABLE MESSAGE SIGN (PVMS)
	TWZFLG_P	FLAGGER
	TWZFT_P	FLAG TREE
	TWZIA_P	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)
	TWZLUM_P	LUMINAIRE (TEMPORARY)
	TWZSDT_P	SYMBOL, DIRECTION OF TRAFFIC
	TWZSDTD_P	SYMBOL, DIRECTION OF TEMPORARY TRAFFIC DETOUR
	TWZSGN_P	SIGN (TEMPORARY)
	TWZSIG_P	SIGNAL, TRAFFIC OR PEDESTRIAN (TEMPORARY)
	TWZWL_P	WARNING LIGHT
	TWZWV_P	WORK VEHICLE
	TWZWVA_P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR

ROW MAPPING

CELL	NAME	DESCRIPTION
	MDL1P	DEED LINE, TYPE 1
	MDL2P	DEED LINE, TYPE 2
	MDL3P	DEED LINE, TYPE 3
	MDL4P	DEED LINE, TYPE 4
	MDL5P	DEED LINE, TYPE 5
	MEEP	EASEMENT, EXISTING
A	MEPAP_P	EASEMENT, PERM., APPROX.
	MEPP_P	EASEMENT, PERM., BACK LINE
	MEPSP_P	EASEMENT, PERM., SHAPE
A	MFAP_P	FEE ACQUISITION, APPROX.
	MFP_P	FEE ACQUISITION, BACK LINE
	MFSP_P	FEE ACQUISITION, SHAPE
	MHBAP	HIGHWAY BNDRY., APPROX.
	MHBCP	HISTORICAL, BLDG. CORNERS
	MHBP	HIGHWAY BNDRY, PT.
	MJCP	PT., JURIS. CITY
	MPBC	PT., BUILDING CORNER
	MPCC	PT., CROSS CUT
	MPDH	PT., DRILL HOLE
	MPF	PT., FENCE LOCATION
	MPIP	PT., IRON PIPE
	MPIR	PT., IRON ROD
	MPM	PT., MONUMENT
	MPMM	PT., MONUMENT, MISC.
	MPN	PT., NAIL
	MPRS	PT., RAILROAD SPIKE
	MPSP	PT., SPIKE
	MPST	PT., STAKE
	MPTW	PT., TREE W/ WIRE
	MPWL	PT., WALL LOCATION

ROW ACQUISITION

M1 P1 FEE	MFS_P_T	FEE ACQUISITION
M1 P1 PE	MEPS_P_T	EASEMENT, PERMANENT
M1 P1 TE	METS_P_T	EASEMENT, TEMPORARY
M1 P1 TO	METS_P_T	OCCUPANCY, TEMPORARY
M1 P1 FEE W/O A	MFS_P_T	FEE ACQUISITION W/O ACCESS

ROADWAY

	RES P	ELEVATION, SPOT
	RGA	GUIDE RAIL, ANCHOR
	RGP	GUIDE POST, SINGLE

UTILITIES

CELL	NAME	DESCRIPTION
E	UEB	ELECTRIC, BOX
E	UEM	ELECTRIC, METER
E	UEMH	ELECTRIC, MANHOLE
	UEPT	ELECTRIC, POLE, TRANS.
G	UGM	GAS, METER
G	UGMH	GAS, MANHOLE
	UGLM	GAS, LINE MARKER
FP	UGP	GAS/FUEL PUMP
	UGV	GAS, VALVE
	UGVT	GAS, VENT
	ULP	LIGHTING, POLE
	ULPM	LIGHTING, POLE, MEDIAN
	ULPP	LIGHTING, POLE, PED.
	UMFC	MISC. FILLER CAP
	UOLM	OIL, LINE MARKER
	UP	POLE, WITH UTILITY
	UPD	POLE, DEAD (NO UTILITY)
	UPL	POLE, WITH LIGHT
S	USMH	SANITARY SEWER MANHOLE
P	UTB	TELEPHONE, BOOTH
	UTLM	TELEPHONE, LINE MARKER
T	UTMH	TELEPHONE, MANHOLE
	UTVLM	CABLE TV, LINE MARKER
C	UTVPB	CABLE TV, PULL BOX
	UUB	UNKNOWN, BOX
	UUJB	UNKNOWN, JUNCTION BOX
	UUMH	UNKNOWN, MANHOLE
	UUPB	UNKNOWN, PULL BOX
	UUVL	UNKNOWN, VALVE
	UUVT	UNKNOWN, VENT
W	UUW	UNKNOWN, WELL
	UWFH	WATER, FIRE HYDRANT
W	UWM	WATER, METER
W	UWMH	WATER, MANHOLE
	UWV	WATER, VALVE
W	UWW	WATER, WELL

1. THE LEGEND ILLUSTRATES MAPPING FEATURES (EXISTING AND PROPOSED).
2. FEATURES ARE SHOWN AS EITHER LINEAR (ROADWAY GUIDERAIL, ROADWAY SIDEWALK, UTILITY LINES, ETC.) OR POINT (SIGN, UTILITY POLE, ETC.).
3. FEATURES SHOWN ON THE LEGEND AS EXISTING FEATURES ALSO HAVE CORRESPONDING PROPOSED FEATURES.
4. PROPOSED FEATURE SYMBOLOGY IS IDENTICAL TO EXISTING FEATURE SYMBOLOGY EXCLUDING LINE WEIGHT. LINE WEIGHT FOR PROPOSED FEATURES IS THICKER (0.015" ON B SIZE DRAWINGS).
5. MAPPING FEATURES NOT INCLUDED ON THE LEGEND SHEET DO NOT HAVE A UNIQUE SYMBOLOGY (SUCH AS THE PAVEMENT EDGE, PAVEMENT EDGE OF TRAVEL WAY) AND SHOULD BE LABELED ON THE PLANS.
6. FEATURES SHOWN AT THE HEAVIER WEIGHT ARE PROPOSED ONLY AND DO NOT HAVE CORRESPONDING EXISTING FEATURES.

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY

TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN:

BRIDGE

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

CONTRACT NUMBER

LEGEND
POINT SYMBOLOGY

DRAWING NO. LEG-02

SHEET NO. 4

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

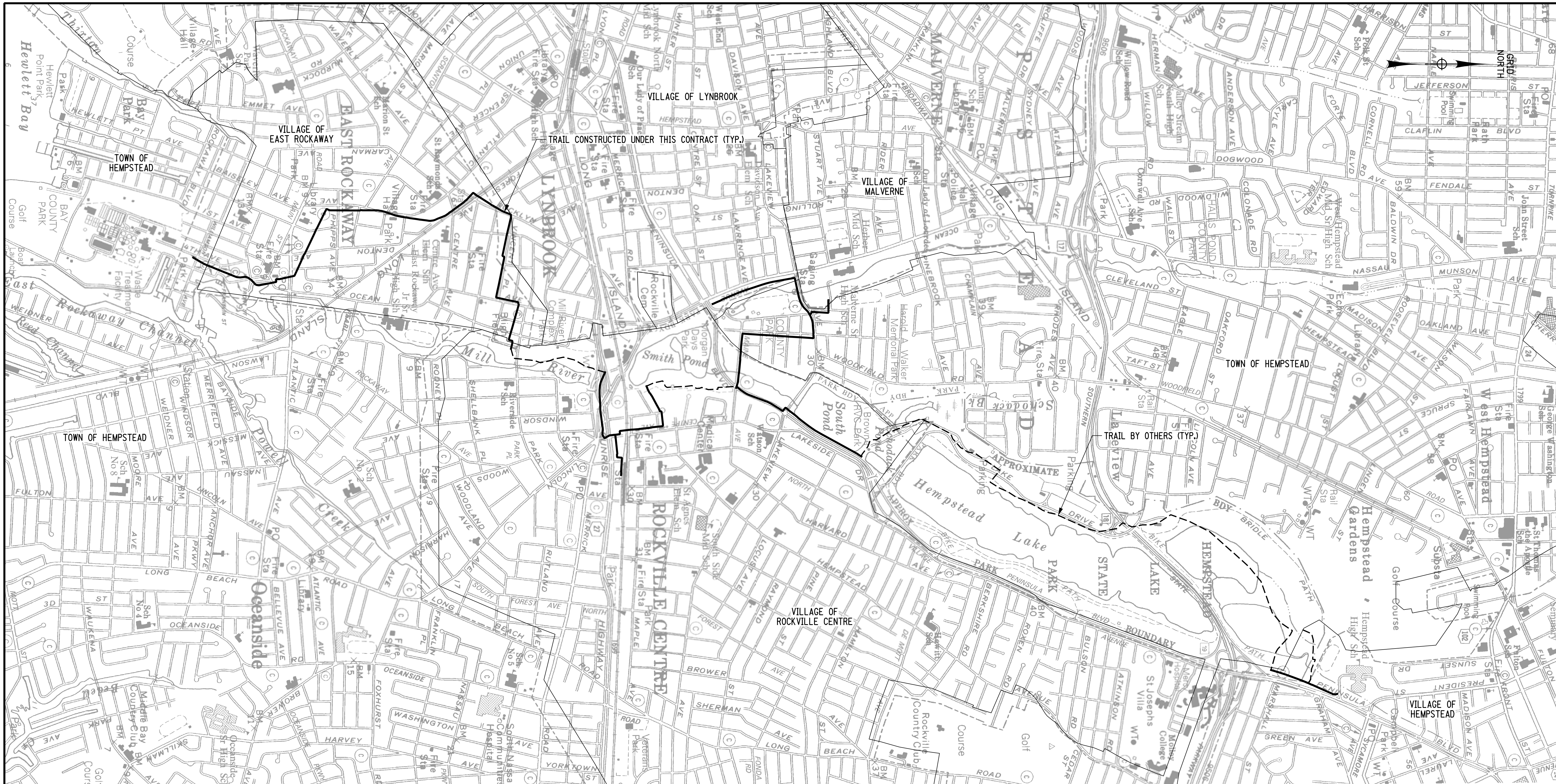
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DRAFTING M. WALSH | DESIGN M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\n_dl150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\1150804_cph_leg_02.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



1000 0 1000 2000 3000 4000'

1" = 2000'

PROJECT MANAGER C. SWAYNE
CHECK C. SWAYNE
DRAFTING M. WALSH
CHECK C. SWAYNE
DESIGN M. WALSH
JOB MANAGER B. COOPER
DESIGN SUPERVISOR M. PANICHELLI

FILE NAME = F:\mj\1150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\115004_cph_jp_01.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

PREPARED BY: MJ ENGINEERING & LAND SURVEYING

ALTERED BY:
ON:

PERMIT SET SUBMISSION
NOT FOR CONSTRUCTION

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN:

BRIDGE

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

JURISDICTIONAL AUTHORITY PLAN

CONTRACT NUMBER

DRAWING NO. JP-01
SHEET NO. 5

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

MJ Engineering and Land Surveying, P.C.
1533 Crescent Road • Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

PROJECT MANAGER C. SWAYNE
CHECK C. SWAYNE
DRAFTING M. WALSH
DESIGN C. SWAYNE
DESIGN M. WALSH
JOB MANAGER B. COOPER
DESIGN SUPERVISOR M. PANICHELLI

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

850 0 850 1700 2550 3400′
1" = 1700′

LEGEND			
———	GREENWAY PATH	- - - -	GREENWAY PATH (NOT IN CONTRACT)
·····	PLAN SHEETS	———	VILLAGE BOUNDARIES

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED PROJECT KEY PLAN	CONTRACT NUMBER DRAWING NO. KP-01 SHEET NO. 6

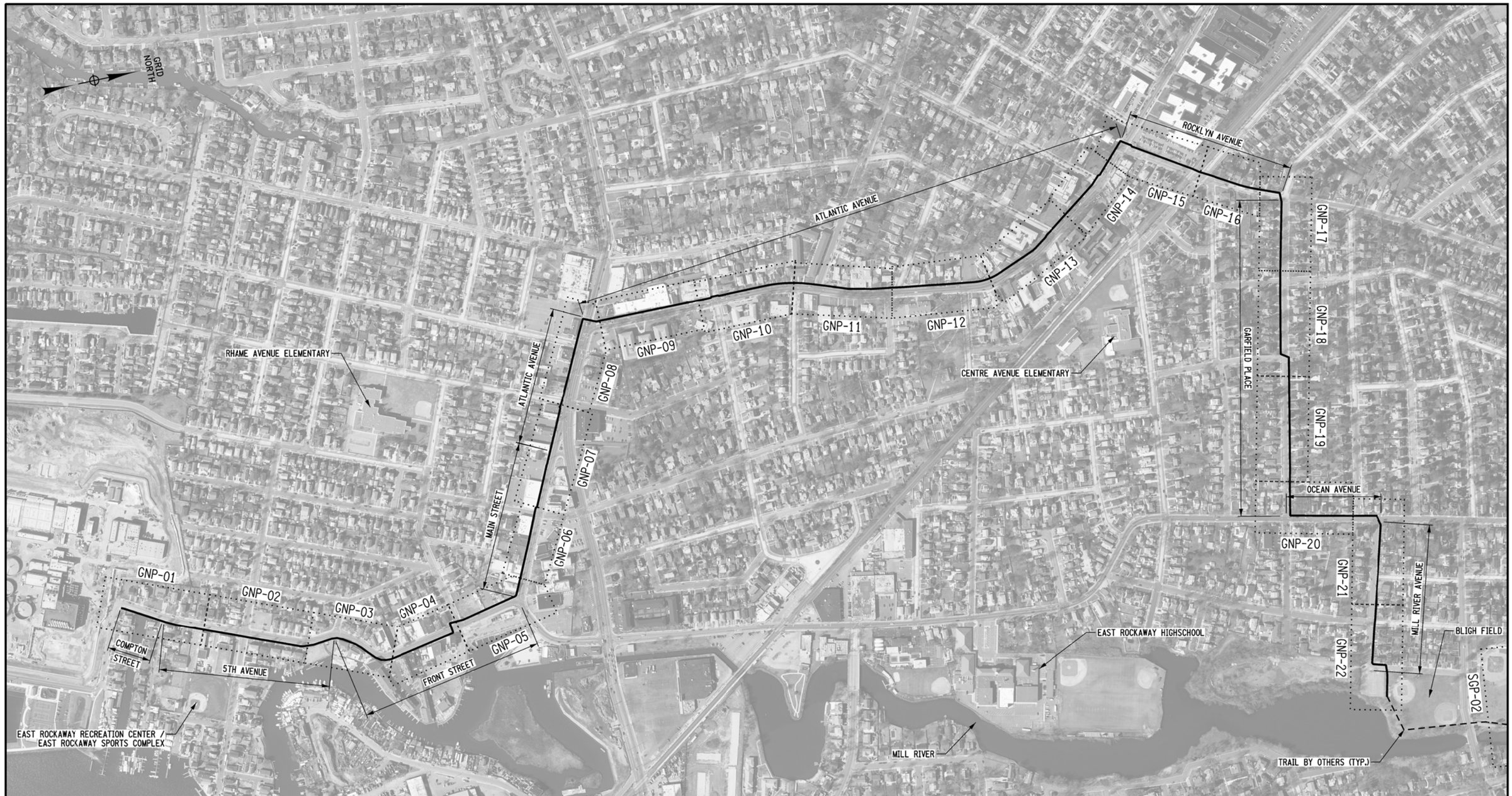
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

FILE NAME = F:\mj\1150\M\1150.04 GOSR Mill River Greenway\100N_Final Design\1150.04_cph_kp_01.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



PROJECT MANAGER C. SWAYNE
CHECK C. SWAYNE
DRAFTING M. WALSH
DESIGN M. WALSH
JOB MANAGER B. COOPER
DESIGN SUPERVISOR M. PANICHELLI
QA/QC C. SWAYNE

FILE NAME = F:\mj\1150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\1150.04_cph_kp_02.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

250 0 250 500 750 1000′
1" = 500′

LEGEND
- GREENWAY PATH
- GREENWAY PATH (NOT IN CONTRACT)
- PLAN SHEETS

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED PROJECT KEY PLAN	CONTRACT NUMBER DRAWING NO. KP-02 SHEET NO. 7

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

100 0 100 200 300 400′

1" = 200′

LEGEND

- GREENWAY PATH
- GREENWAY PATH (NOT IN CONTRACT)
- PLAN SHEETS

PROJECT MANAGER C. SWAYNE
CHECK C. SWAYNE
DRAFTING M. WALSH
DESIGN M. WALSH
JOB MANAGER B. COOPER
DESIGN SUPERVISOR M. PANICHELLI

FILE NAME = F:\mj\1150\MJ1150.04 GOSR Mill River Greenway\CON_Final Design\1150.04_coph_kp_03.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED
LIVING WITH THE BAY - MILL RIVER GREENWAY				PROJECT KEY PLAN
TOWN OF HEMPSTEAD				CONTRACT NUMBER
COUNTY: NASSAU				DRAWING NO. KP-03
				SHEET NO. 8

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

PROJECT MANAGER C. SWAYNE
CHECK C. SWAYNE
DRAFTING M. WALSH
CHECK C. SWAYNE
DESIGN M. WALSH
JOB MANAGER B. COOPER
DESIGN SUPERVISOR M. PANICHELLI

FILE NAME = F:\mj\1150\MJ1150.04 GOSR Mill River Greenway\OGW_Final Design\1150.04_oph_kp_04.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

200 0 200 400 600 800′
1" = 400′

LEGEND	
———	GREENWAY PATH
– – –	GREENWAY PATH (NOT IN CONTRACT)
·····	PLAN SHEETS

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED PROJECT KEY PLAN	CONTRACT NUMBER DRAWING NO. KP-04 SHEET NO. 9

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | CHECK C. SWAYNE | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

100 0 100 200 300 400′
1" = 200′

LEGEND
- GREENWAY PATH
- GREENWAY PATH (NOT IN CONTRACT)
- PLAN SHEETS

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED PROJECT KEY PLAN	CONTRACT NUMBER DRAWING NO. KP-05 SHEET NO. 10

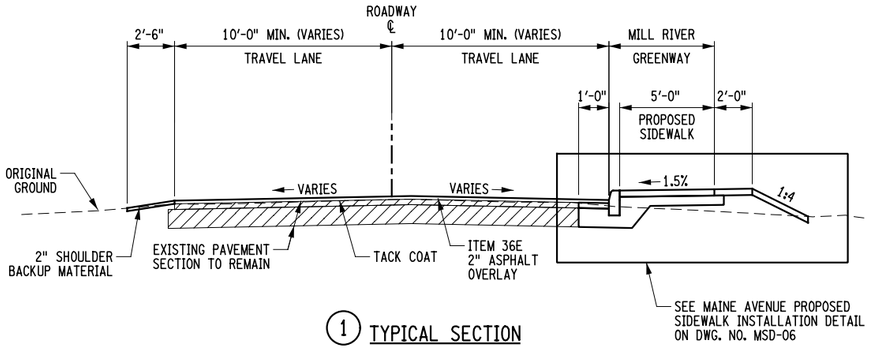
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

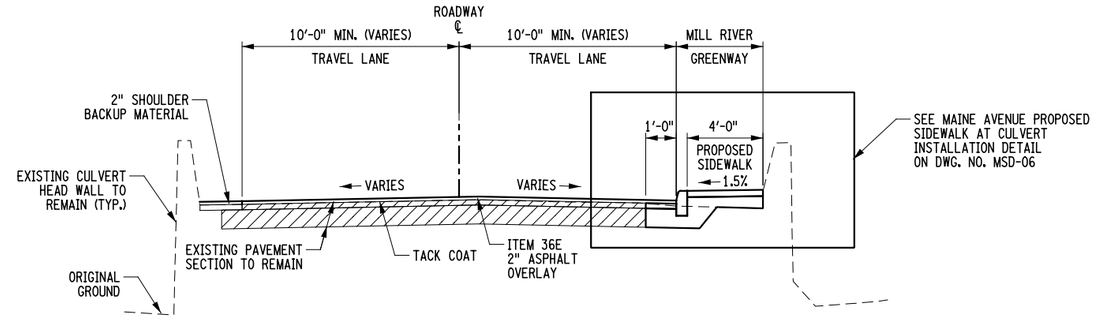
Living with the BAY

FILE NAME = F:\mj\1150\MJ1150.04 GOSR Mill River Greenway\100%Final Design\1150f4_cph_kp_05.dgn
DATE/TIME = 6/22/2020
USER = mwalsh



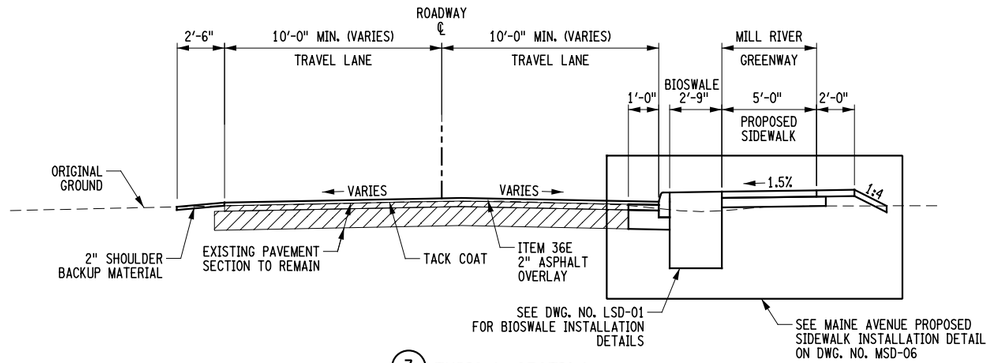
① TYPICAL SECTION
MAINE AVENUE PROPOSED SIDEWALK

TAKEN AT STA. MA 19+02.40
LOOKING UPSTATION
SCALE: 1/8" = 1'



② TYPICAL SECTION
MAINE AVENUE BETWEEN EXISTING CULVERT

TAKEN AT STA. MA 20+22.40
LOOKING UPSTATION
SCALE: 1/8" = 1'



③ TYPICAL SECTION
MAINE AVENUE WITH BIOSWALE

TAKEN AT STA. MA 21+52.40
LOOKING UPSTATION
SCALE: 1/8" = 1'

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

NOTES:

1. TACK COAT SHALL BE APPLIED TO ALL SAWCUTS, MILLED SURFACES, AND BETWEEN PAVEMENT LAYERS.
2. SUBBASE LAYER SHALL EXTEND 4" BEYOND CONCRETE SIDEWALK LAYER.

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	LIVING WITH THE BAY - MILL RIVER GREENWAY					
					TYPICAL SECTIONS	DRAWING NO. TYP-01
	TOWN OF HEMPSTEAD					SHEET NO. 11
	COUNTY: NASSAU					

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\mj1150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\1150.04_cph_typ_01.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

GENERAL NOTES:

1. ALL WORK CONTEMPLATED UNDER THIS CONTRACT SHALL BE PERFORMED IN CONFORMANCE WITH THE CURRENT NASSAU COUNTY SPECIFICATIONS EXCEPT AS MODIFIED IN THESE PLANS.
2. ADDITIONAL NOTES MAY BE FOUND ON SUBSEQUENT DRAWINGS. SUCH NOTES, WHILE PERTAINING TO THE SPECIFIC DRAWING THEY ARE PLACED ON, ALSO SUPPLEMENT THE GENERAL NOTES LISTED HEREIN.
3. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF THE WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO COMMENCEMENT. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH THE FIELD CONDITIONS AND AS DIRECTED BY THE OWNER.
4. THE CONTRACTOR SHALL EXAMINE AND VERIFY IN THE FIELD ALL EXISTING CONDITIONS AND DIMENSIONS WITH THOSE SHOWN ON THE PLANS. IF FIELD CONDITIONS AND DIMENSIONS DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL USE THE FIELD CONDITIONS AND DIMENSIONS, AND MAKE THE APPROPRIATE CHANGES TO THOSE SHOWN ON THE PLANS AS APPROVED BY THE OWNER. THE RESULTS OF THIS CHECK OF CONDITIONS AND DIMENSIONS SHALL BE SO NOTED ON THE DRAWINGS SUBMITTED FOR APPROVAL.
5. THE CONTRACTOR SHOULD NOTE THAT ADDITIONAL WORK MAY BE REQUIRED AS THE CONTRACT PROGRESSES WHICH IS NOT SHOWN OR NOTED ON THE PLANS. THIS WORK SHALL BE PERFORMED BY THE CONTRACTOR AS ORDERED BY THE OWNER.
6. WHENEVER ITEMS IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED AND DISPOSED, THE COST OF SUPPLYING A DISPOSAL AREA AND TRANSPORTATION TO THAT AREA AND SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INCLUDED IN THE PRICE BID FOR THOSE ITEMS.
7. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SUPPORTS, BRACING OR OTHER DEVICES THAT MAY BE REQUIRED OR THAT MAY BE DIRECTED BY THE OWNER TO PROTECT THE SAFETY OF ADJACENT STRUCTURES, ROADWAYS OR THE VARIOUS ITEMS IN THE CONTRACT. NO SEPARATE PAYMENT SHALL BE MADE.
8. PAVED AREAS DISTURBED BY THE CONTRACTOR AS PART OF WORK TO BE PERFORMED UNDER THIS CONTRACT, SHALL BE RESTORED TO ACCEPTABLE CONDITION AS SPECIFIED BY AND SATISFACTORY TO THE OWNER.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR GUARDING AND PROTECTING ALL OPEN EXCAVATIONS. THE COST SHALL BE INCLUDED UNDER VARIOUS ITEMS IN THE CONTRACT.
10. THE CONTRACTOR SHALL PROVIDE SURVEY AND STAKEOUT AS REQUIRED.
11. IF THE OWNER NOTIFIES THE CONTRACTOR OF ANY HAZARDOUS CONSTRUCTION PRACTICES, ALL OPERATIONS IN THE AFFECTED AREA SHALL BE DISCONTINUED AND IMMEDIATE ACTIONS SHALL BE TAKEN TO CORRECT THE SITUATION TO THE SATISFACTION OF THE OWNER BEFORE WORK IS RESUMED.
12. THE CONTRACTOR SHALL BE REQUIRED TO PROTECT THEIR WORKERS AT ALL TIMES IN CONFORMANCE WITH APPLICABLE OSHA REGULATIONS.
13. DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL CONDUCT WORK IN SUCH A MANNER AS TO PREVENT ANY DAMAGE TO THE VARIOUS WATER BODIES FROM POLLUTION BY DEBRIS, SEDIMENT OR OTHER FOREIGN MATERIAL, OR FROM MANIPULATION OF EQUIPMENT AND/OR MATERIALS IN OR NEAR SUCH WATER BODIES. THE CONTRACTOR SHALL NOT RETURN DIRECTLY TO A WATER BODY ANY WATER WHICH HAS BEEN USED FOR WASH PURPOSES OR OTHER SIMILAR OPERATIONS WHICH CAUSE THIS WATER TO BECOME POLLUTED WITH SAND, SILT, CEMENT, OIL OR OTHER IMPURITIES.
14. THE CONTRACTOR SHALL NOTIFY THE OWNER TWO (2) WEEKS PRIOR TO MAKING ANY CHANGES IN WORK DAYS OR WORK HOURS. SUB CONTRACTORS ARE REQUIRED TO WORK WITHIN THE PRIME CONTRACTOR'S CORE HOURS.

SURVEY WORK FOR SIDEWALKS AND CURB RAMPS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL ELEVATIONS AND DIMENSIONS TO ENSURE THAT THE FINAL LAYOUT OF SIDEWALKS AND CURB RAMPS MEET ADA REQUIREMENTS PRIOR TO POURING CONCRETE OR PLACING ASPHALT PAVERS.

DRAINAGE NOTES:

1. AT ALL TIMES, THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE OF SURFACE RUNOFF FROM THE TRAVEL LANES AND CONTROL OF THE RUNOFF TO PREVENT EROSION, POLLUTION, SEDIMENTATION OR OTHER DISCHARGES WHICH WOULD AFFECT PROPERTIES ADJACENT TO THE WORK SITE. ALL MEASURES TAKEN TO PROVIDE POSITIVE DRAINAGE SHALL BE APPROVED BY THE VILLAGE PRIOR TO IMPLEMENTATION. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS ITEMS IN THE CONTRACT.
2. NO STOCKPILING SHALL BE ALLOWED ALONG DRAINAGE FLOW LINES. THE CONTRACTOR SHALL KEEP ALL DRAINAGE FACILITIES, WITHIN THE CONTRACT LIMITS, CLEAN AND FULLY OPERATIONAL AT ALL TIMES (AS DIRECTED BY THE OWNER). THIS WORK SHALL BE INCLUDED UNDER VARIOUS ITEMS IN THE CONTRACT.

ROADWAY MAINTENANCE NOTES:

1. THE CONTRACTOR WILL OBTAIN WRITTEN PERMISSION FROM THE OWNER PRIOR TO USING A SPOIL AREA.
2. TREES/VEGETATION/SHRUBS ARE PRESENT WITHIN THE PROJECT LIMITS AND ARE TO REMAIN IN PLACE. THE CONTRACTOR SHALL TAKE EXTRA PRECAUTIONS NOT TO DAMAGE THESE ITEMS. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ALL DAMAGE CAUSED BY HIS OPERATIONS TO THE EXISTING STRUCTURES OR MATERIALS WHICH ARE NOT INCLUDED AS PART OF THE INTENDED WORK. ALL DAMAGE TO THE EXISTING STRUCTURES OR MATERIALS WHICH ARE NOT PART OF THE INTENDED WORK SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR WITHOUT COST TO THE OWNER AND TO THE SATISFACTION OF THE OWNER.

UTILITY NOTES:

1. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT THERE ARE BURIED UNDERGROUND UTILITIES WITHIN THE PROJECT AREA. EXTREME CAUTION SHOULD BE USED DURING THE CONSTRUCTION OF THIS PROJECT. IN THE EVENT CONFLICTS ARE IDENTIFIED WITH ANY TYPE OF INSTALLATION, THE LOCATION OF THE PROPOSED INSTALLATION SHALL BE ADJUSTED TO AVOID THE CONFLICT OR THE EXISTING UTILITY RELOCATED (AS DIRECTED BY THE OWNER).
2. PRIOR TO ANY EXCAVATION, CALL 811 DIG SAFELY NEW YORK - UNDERGROUND PROTECTION ORGANIZATION.
3. VERIFY ALL CONDITIONS IN THE FIELD PRIOR TO COMMENCEMENT OF WORK AND NOTIFY THE OWNER OF ANY DISCREPANCIES. EXAMINE THE SITE AND INCLUDE THE AFFECT OF ALL EXISTING CONDITIONS ON THE WORK.
4. THROUGHOUT THE DURATION OF CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RESTORE ALL DISTURBED AREAS AS DIRECTED BY THE OWNER.
5. THE CONTRACTOR WILL BE HELD LIABLE FOR ANY DAMAGES TO EXISTING UTILITIES. ANY SUCH DAMAGES SHALL BE SATISFACTORILY REPAIRED AND COORDINATED WITH THE UTILITY COMPANY AT NO ADDITIONAL COST TO THE OWNER.

PERMITS:

1. THE CONTRACTOR SHALL OBTAIN ANY HIGHWAY WORK PERMITS REQUIRED FROM THE TOWN OF HEMPSTEAD. ANY COSTS FOR THESE PERMITS SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS ITEMS IN THE CONTRACT.

RIGHT-OF-WAY NOTES:

1. ALL WORK TO BE PERFORMED UNDER THIS CONTRACT WILL BE WITHIN THE PUBLIC RIGHT-OF-WAY (ROW). THE CONTRACTOR IS TO ASSURE THAT ALL WORK IS BEING PERFORMED WITHIN THE ROW, INCLUDING BUT NOT LIMITED TO VEHICLE ACCESS; STORAGE OF EQUIPMENT, MATERIALS, DEBRIS AND WASTE; LANDSCAPING; VEGETATION REMOVAL AND MANAGEMENT; GRADING, SEEDING AND THE INSTALLATION OF TURF; AND THE INSTALLATION OF ANY FENCES OR PROTECTIVE BARRIER.
2. IF THE CONTRACTOR IS UNABLE TO IDENTIFY THE LIMITS OF THE RIGHT-OF-WAY WHEN THE CONTRACT CALLS FOR WORK IN THOSE VICINITIES, THE CONTRACTOR MUST CONTACT THE OWNER FOR DEFINITIVE BOUNDARY DETERMINATIONS BEFORE ANY WORK MAY BE INITIATED AT THOSE LOCATIONS.
3. RELEASES FOR ANY NON-ESSENTIAL CONTRACT WORK OUTSIDE OF THE EXISTING RIGHT-OF-WAY, INCLUDING PLANTINGS, LANDSCAPING OR DRIVEWAY ENHANCEMENT, WILL BE PROVIDED BY THE OWNER AND IN NO INSTANCE ARE TO BE SECURED BY THE CONTRACTOR. THE CONTRACTOR SHALL NOT INVADE UPON PRIVATE PROPERTIES, LANDS OR BUILDINGS OUTSIDE OF THE RIGHT-OF-WAY FOR ANY REASON WITHOUT FIRST SECURING WRITTEN PERMISSION FROM THE PROPERTY OWNER.
4. THE CONTRACTOR WILL BE HELD LIABLE FOR ANY DAMAGES THAT MAY HAPPEN OUTSIDE OF THE ROADWAY OF AUTHORITY HAVING JURISDICTION RIGHT-OF-WAY. ANY SUCH DAMAGES SHALL BE SATISFACTORILY REPAIRED OR ITEMS REPLACED AT THE EXPENSE OF THE CONTRACTOR.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED GENERAL NOTES	CONTRACT NUMBER DRAWING NO. GNN-01 SHEET NO. 12

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE | CHECK C. SWAYNE

FILE NAME = F:\m_J\1150\J1150.04 GOSR Mill River Greenway\GGN_Final Design\J115004_cph_gnn_01.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

WORK ZONE TRAFFIC CONTROL NOTES

A. GENERAL NOTES:

1. ALL TRAFFIC CONTROL DEVICES AND SCHEMES USED FOR WORK ZONE TRAFFIC CONTROL SHALL CONFORM TO THE APPLICABLE SPECIFICATIONS AS SET FORTH IN THE CURRENT VERSIONS OF THE NATIONAL MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (NMUTCD), THE NYS SUPPLEMENT AND IN SECTION 619, WORK ZONE TRAFFIC CONTROL, OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, (US CUSTOMARY) AS AMENDED, OR AS AMENDED BY THESE PLANS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE AND MAKING SURE ALL SIGNS, CONES, LIGHTING, BARRICADES, ETC. ARE IN PLACE AND IN GOOD CONDITION. THE SOLE JUDGE OF THE EFFECTIVENESS OF THE CONTRACTOR'S EFFORTS TOWARD PROTECTION OF TRAFFIC SHALL BE THE ENGINEER. IF THE ENGINEER NOTIFIES THE CONTRACTOR OF ANY HAZARDOUS CONSTRUCTION PRACTICE, ALL OPERATIONS IN THAT AREA SHALL BE DISCONTINUED AND IMMEDIATE REMEDIAL ACTION SHALL BE TAKEN TO CORRECT THE SITUATION TO THE SATISFACTION OF THE ENGINEER.
3. THE CONTRACTOR SHALL PROVIDE A FLAGGER AND APPROPRIATE SIGNING WHENEVER OPERATIONS INTERFERE WITH TRAFFIC, AS DIRECTED BY THE ENGINEER. EXAMPLES INCLUDE, BUT ARE NOT LIMITED TO, DELIVERING OR REMOVING MATERIALS, LIFTING OPERATIONS, DIRECTING DRIVEWAY OR CROSS STREET TRAFFIC, AND, ANY ACTIVITIES AS ORDERED BY THE ENGINEER. THE SOLE DUTY OF ANY FLAGGERS SHALL BE TO DIRECT TRAFFIC PROPERLY AT ALL TIMES. THESE FLAGGERS SHALL BE POSITIONED APPROPRIATELY IN ADVANCE OF THE WORK.
4. ALL EXISTING ROADWAYS INTERSECTING THE WORK AREA SHALL REMAIN OPEN TO TWO-WAY TRAFFIC AT ALL TIMES UNLESS OTHERWISE NOTED IN THE PLANS OR AUTHORIZED BY THE ENGINEER.
5. WHEN FLAGGING THROUGH A SIGNALIZED INTERSECTION THE SIGNAL SHALL BE TURNED OFF FOR THE DURATION OF THE CLOSURE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
6. PEDESTRIAN AND BICYCLE ACCESS SHALL BE MAINTAINED AT ALL TIMES FOR THE DURATION OF CONSTRUCTION.
7. THE TOWN SHALL BE RESPONSIBLE FOR ROUTINE CONTROL OF SNOW AND ICE IN ALL TRAVEL LANES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF SNOW AND ICE OF ALL OTHER AREA WITHIN THE CONTRACT LIMITS. THE CONTRACTOR SHALL RESPOND WITHIN 24 HOURS OF ALL 3 INCH OR GREATER SNOWFALL EVENTS, OR AS DIRECTED BY THE ENGINEER.
8. CONSTRUCTION OPERATIONS AND SEQUENCING SHALL BE CONSISTENT WITH THE REQUIREMENTS SET FORTH IN THE STORMWATER POLLUTION PREVENTION PLAN FOR THIS PROJECT.
9. THE CONTRACTOR SHALL PROVIDE FLAGGING OPERATIONS IN ACCORDANCE WITH THE NYSDOT STANDARD SHEETS. SCHEDULE OF FLAGGING OPERATIONS SHALL BE APPROVED BY THE ENGINEER.

B. CHANGES TO WORK ZONE TRAFFIC CONTROL (WZTC) PLANS:

1. THE WORK ZONE TRAFFIC CONTROL PLANS SHOWN ARE CONSIDERED TO BE THE MINIMUM REQUIREMENTS. ADDITIONAL SIGNS AND/OR TRAFFIC CONTROL DEVICES MAY BE REQUIRED AS DETERMINED BY THE ENGINEER AND MUST BE PROVIDED WHERE SPECIAL COMPLEXITIES AND HAZARD PREVAIL.
2. ANY PROPOSED TRAFFIC CONTROL SCHEME WHICH WOULD DEVIATE FROM THE WORK ZONE TRAFFIC CONTROL DRAWINGS, INCLUDING THE RESTRICTIONS STATED THEREIN, SHALL BE APPROVED BY THE ENGINEER.

C. WZTC RESTRICTIONS:

1. PRIOR TO ANY REDUCTION IN EXISTING ROADWAY WIDTH(S) (LONG TERM), THE CONTRACTOR SHALL PROVIDE THE ENGINEER A WRITTEN NOTICE TWENTY-ONE (21) DAYS PRIOR SO HE/SHE MAY INFORM THE TOWN OF THE WIDTH REDUCTIONS) IN A TIMELY MANNER. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY UPON THE REMOVAL OF THE LANE WIDTH RESTRICTION SO THE ENGINEER MAY NOTIFY THE TOWN.

D. WZTC COORDINATION:

1. THERE SHALL BE NO WORK OPERATIONS ALLOWED BEFORE DAWN OR AFTER SUNSET WITHOUT AN APPROVED LIGHTING PLAN. THE LIGHTING PLAN SHALL BE APPROVED PRIOR TO START OF WORK BY THE ENGINEER.
2. NO TEMPORARY LANE CLOSURES SHALL BE ALLOWED WHEN EITHER VISIBILITY OR PAVEMENT CONDITION ARE JUDGED TO BE INADEQUATE BY THE ENGINEER.
3. FLAGGERS WITH FLAGGER SIGNS (W20-7a) SHALL BE LOCATED AT ALL ACTIVE WORK AREAS AND AT ANY OTHER LOCATIONS WITHIN A WORK AREA WHERE A RESTRICTED SIGHT DISTANCE IMPEDES THE FLOW OF TRAFFIC.
4. THE CONTRACTOR SHALL SCHEDULE AND PROGRESS THE CONTRACT WORK IN A MANNER THAT MINIMIZES THE DURATION OF LANE CLOSURES. LANE CLOSURES SHALL BE USED ONLY WHEN WORK IS ACTUALLY IN PROGRESS.
5. MOST WORK SHALL BE COMPLETED DURING THE HOURS BETWEEN 6 AM TO 6 PM. WHEN NIGHT WORK IS REQUIRED, CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING 2 WEEKS PRIOR AND RECEIVE WRITTEN AUTHORIZATION OF THE APPROVAL.
6. DURING WZTC STAGING, SUBBASE USED FOR VEHICULAR TRAFFIC SHALL BE LIMITED TO 5 CONSECUTIVE WORKING DAYS. ANY EXPOSED SUBBASE SHALL BE PAVED PRIOR TO ANY WEEKEND UTILIZING EITHER TEMPORARY OR PERMANENT PAVEMENT AS APPROVED BY THE ENGINEER.
7. ALL LOCATIONS

   NO TEMPORARY LANE CLOSURES (HOLIDAY RESTRICTIONS)

2020					
NEW YEARS DAY	6:00 AM	DECEMBER 31 (2019)	TO	6:00 AM	JANUARY 2
MEMORIAL DAY	6:00 AM	MAY 22	TO	6:00 AM	MAY 26
INDEPENDENCE DAY	6:00 AM	JULY 2	TO	6:00 AM	JULY 6
LABOR DAY	6:00 AM	SEPTEMBER 4	TO	6:00 AM	SEPTEMBER 8
THANKSGIVING	6:00 AM	NOVEMBER 25	TO	6:00 AM	NOVEMBER 30
CHRISTMAS	6:00 AM	DECEMBER 24	TO	6:00 AM	DECEMBER 28

2021					
NEW YEARS DAY	6:00 AM	DECEMBER 31 (2020)	TO	6:00 AM	JANUARY 4
MEMORIAL DAY	6:00 AM	MAY 28	TO	6:00 AM	JUNE 1
INDEPENDENCE DAY	6:00 AM	JULY 2	TO	6:00 AM	JULY 6
LABOR DAY	6:00 AM	SEPTEMBER 3	TO	6:00 AM	SEPTEMBER 7
THANKSGIVING	6:00 AM	NOVEMBER 24	TO	6:00 AM	NOVEMBER 29
CHRISTMAS	6:00 AM	DECEMBER 23	TO	6:00 AM	DECEMBER 27

2022					
NEW YEARS DAY	6:00 AM	DECEMBER 30 (2021)	TO	6:00 AM	JANUARY 3
MEMORIAL DAY	6:00 AM	MAY 27	TO	6:00 AM	MAY 31
INDEPENDENCE DAY	6:00 AM	JULY 1	TO	6:00 AM	JULY 5
LABOR DAY	6:00 AM	SEPTEMBER 2	TO	6:00 AM	SEPTEMBER 6
THANKSGIVING	6:00 AM	NOVEMBER 23	TO	6:00 AM	NOVEMBER 28
CHRISTMAS	6:00 AM	DECEMBER 23	TO	6:00 AM	DECEMBER 27

E. WZTC SIGNING AND DEVICES:

1. THE SIGN AND APPURTENANCE DISTANCES SHOWN ON THE WORK ZONE TRAFFIC CONTROL PLANS ARE APPROXIMATE. THE DISTANCES MAY BE AMENDED BY THE ENGINEER TO BETTER MEET FIELD CONDITIONS.
2. THE CONSTRUCTION AND REGULATORY SIGNS FOR A PARTICULAR WORK ZONE TRAFFIC CONTROL STAGE SHALL BE IN PLACE PRIOR TO THE START OF THAT STAGE. ALL CONSTRUCTION SIGNS SHALL EITHER BE REMOVED OR COVERED COMPLETELY WITH OPAQUE MATERIAL WHEN THE WORK TO WHICH THEY PERTAIN IS NOT IN PROGRESS.
3. ALL SIGNS, INCLUDING ALL GUIDE SIGNS, SHALL INDICATE THE ACTUAL CONDITIONS AT ALL TIMES. SIGNS SHALL BE COVERED, REPOSITIONED, OR CHANGED IMMEDIATELY AS DIRECTED BY THE ENGINEER. NO SIGN SHALL BE PLACED AT ANY LOCATION WHERE IT COULD BE OBSCURED BY TEMPORARY OR PERMANENT OBJECTS.
4. ANY WORK ZONE TRAFFIC CONTROL PLAN WHICH WILL BE UTILIZED OR REMAIN IN PLACE DURING NIGHT TIME (DUSK TO DAWN) HOURS SHALL UTILIZE CONSTRUCTION DRUMS OR AN APPROVED ALTERNATE NIGHT TIME CHANNELIZING DEVICE (TUBULAR MARKERS CONFORMING TO 729-03, OR TYPE III BARRICADES). CONES MAY BE SUBSTITUTED FOR DRUMS OR OTHER ALTERNATE CHANNELIZING DEVICES FOR DAYTIME (DAWN TO DUSK) WORK ZONE TRAFFIC CONTROL PLANS, BUT SHALL NOT BE UTILIZED FOR NIGHT TIME WORK ZONE TRAFFIC CONTROL PLANS OR FOR PLANS WHICH WILL REMAIN IN PLACE OVERNIGHT. IF THE CONTRACTOR ELECTS TO UTILIZE ALTERNATE CHANNELIZING DEVICES (TUBULAR MARKERS OR TYPE III BARRICADES).

F. CONSTRUCTION VEHICLES:

1. WITHIN THE PROJECT LIMITS, VEHICLES BELONGING TO THE CONTRACTOR OR THE CONTRACTOR'S EMPLOYEES SHALL NOT BE PARKED WITHIN 30 FT OF THE EDGE OF PAVEMENT.
2. DRIVING AGAINST TRAFFIC, REGARDLESS OF WHETHER THE AREA HAS BEEN CLOSED TO TRAFFIC, SHALL NOT BE ALLOWED AT ANYTIME, EXCEPT FOR TRAFFIC CONE PICKUP AND ON CLOSED RAMPS AND AS SPECIFICALLY PERMITTED BY THE ENGINEER.
3. WHEN REOPENING DRIVING LANES TO TRAFFIC, THE CONTRACTOR SHALL START BY REMOVING THE CONES AT THE FAR END OF THE LANE CLOSURE AND WORK TOWARDS THE SIGNS AT THE BEGINNING OF THE LANE CLOSURE. THE SIGNS ARE NOT TO BE TAKEN DOWN UNTIL ALL TRAFFIC CONTROL DEVICES HAVE BEEN REMOVED.
4. ESCORT VEHICLES EQUIPPED WITH AN APPROVED ROTATING AMBER WARNING LIGHT SHALL BE REQUIRED WHEN TRANSPORTING SLOW MOVING CONSTRUCTION EQUIPMENT ALONG ANY PORTION OF THE ROADWAY THAT IS OPEN TO TRAFFIC.
5. ALL VEHICLES THAT WILL MOVE INTO AND OUT OF TRAFFIC AT WORK AREAS SHALL BE EQUIPPED WITH AN APPROVED ROTATING AMBER WARNING LIGHT THAT SHALL BE MOUNTED SO AS TO BE EASILY SEEN BY APPROACHING TRAFFIC.
6. TO PREVENT THE ACCIDENTAL INTRODUCTION OF INVASIVE PLANTS DURING CONSTRUCTION ACTIVITIES, ALL TRACKED EQUIPMENT INVOLVED IN EARTHWORK WILL BE CLEANED AS APPROPRIATE, E.G. TRACKS, BUCKETS, PRIOR TO ARRIVAL ON-SITE TO REMOVE PLANTS, SEEDS AND PROPAGULES THAT MAY BE ATTACHED. CLEANING SHALL CONSIST OF USING PHYSICAL MEANS AND HAND TOOLS, SUCH AS BRUSHES, BROOMS, RAKES OR SHOVELS, ON ALL TRACK AND BUCKET/BLADE COMPONENTS TO ADEQUATELY REMOVE ALL VISIBLE DIRT AND PLANT DEBRIS. IF WATER IS USED, THE WATER/SLURRY SHALL BE CONTAINED SO AS TO RESTRICT INTRODUCTION OF INVASIVE PLANTS, SEEDS AND PROPAGULES INTO THE PROJECT OR OFF-SITE THROUGH FUTURE SURPLUS MATERIAL DISPOSAL.

G. RESPONSIBILITY FOR EMERGENCY REPAIRS:

1. THE CONTRACTOR SHALL SUBMIT, IN WRITING, TO THE ENGINEER WHO IN TURN WILL SUBMIT TO THE OWNER, THE NEW YORK STATE POLICE, AND THE LOCAL POLICE, THE NAMES ADDRESSES, AND TELEPHONE NUMBERS OF HIS/HER AND THE CONTRACTOR'S STAFF WHO ARE AUTHORIZED TO SECURE LABOR, MATERIALS, AND EQUIPMENT FOR EMERGENCY REPAIRS OUTSIDE NORMAL WORKING HOURS.

H. ROADSIDE HAZARDS:

1. EXCAVATIONS THAT PRODUCE A DROP OFF ON BOTH SIDES OF THE TRAVEL LANES SHALL NOT BE PERMITTED, UNLESS PROTECTED WITH CONCRETE BARRIER. SEE SECTION 619 IN THE STANDARD SPECIFICATIONS FOR REQUIRED TREATMENT OF PAVEMENT EDGE DROP-OFFS AND DELINEATION.
2. WHEN NOT IN USE, THE CONTRACTOR SHALL NOT STORE ANY CONSTRUCTION EQUIPMENT, SIGNS, TRAFFIC CONTROL DEVICES, MATERIALS OR ANY OTHER APPURTENANCES ALONG THE ROADWAY WITHIN THE CLEAR ZONE.

I. CHANGING WZTC SCHEMES:

1. WHEN IT IS NECESSARY TO CHANGE THE LANES THAT ARE CLOSED TO TRAFFIC, THE CONTRACTOR SHALL BE REQUIRED TO FIRST REMOVE ALL DRUMS, CONES, SIGNS, ARROWS, AND THE LIKE SO THAT ALL LANES ARE OPEN BEFORE THE NEW SCHEME IS SET IN PLACE. THIS METHOD MAY BE MODIFIED BY THE ENGINEER, AS NECESSARY.

J. ROAD CLOSURE NOTES:

1. THE CONTRACTOR SHALL BE ALLOWED ROAD CLOSURES DURING CONSTRUCTION AS WHEN AUTHORIZED BY THE ENGINEER.
2. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING AT LEAST THREE WEEKS PRIOR TO THE REQUESTED CLOSURE DATES TO ALLOW SUFFICIENT TIME TO COORDINATE WITH THE EMERGENCY SERVICE PROVIDERS IN THE AREA AND OBTAIN APPROVAL FROM THE TOWN.
3. THE EXACT TIMES OF THE CLOSURES SHALL BE INCLUDED IN THE NOTIFICATION TO THE ENGINEER OF THE DESIRED CLOSURE DATES.
4. PVMS BOARDS SHALL BE IN PLACE AT LEAST SEVEN (7) CALENDAR DAYS PRIOR TO THE START OF THE CLOSURE WITH A MESSAGE APPROVED BY THE ENGINEER.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED WORK ZONE TRAFFIC CONTROL NOTES	CONTRACT NUMBER DRAWING NO. WZTN-01 SHEET NO. 13

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

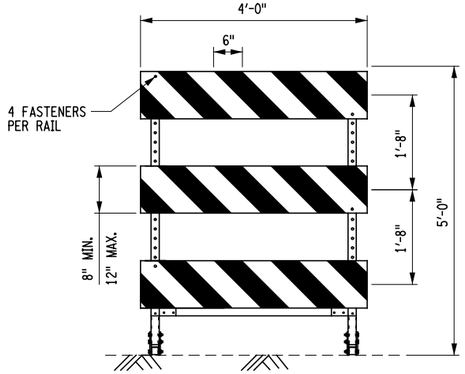
Engineering and Land Surveying, P.C.
1533 Crescent Road • Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

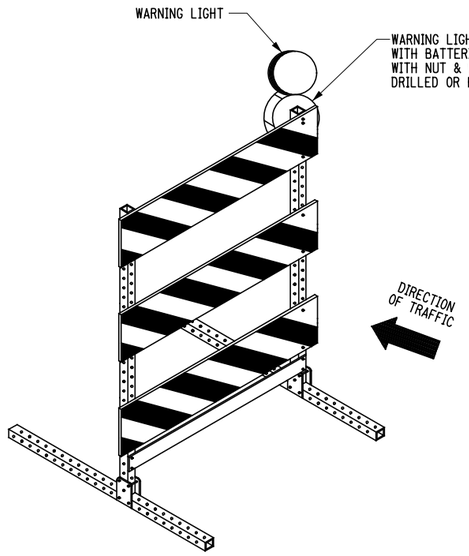
Living BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | CHECK C. SWAYNE | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

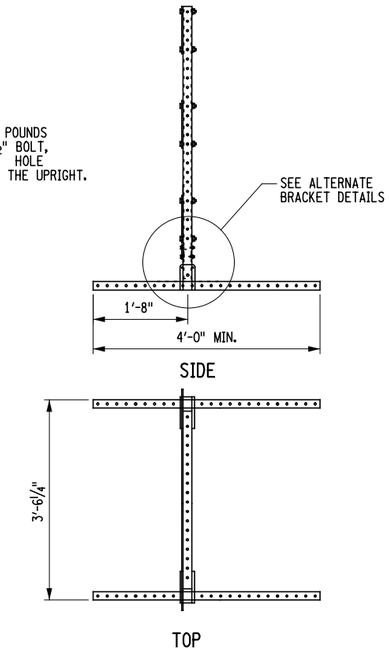
FILE NAME = F:\mjl150\MJ1150.04 GOSR Mill River Greenway\100N_Final Design\1150804_cph_wztn_01.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



ELEVATION
SCALE: 3/8" = 1'-0"



DETAIL FOR FASTENING LIGHT ON TAP OF BARRICADE
SCALE: 3/8" = 1'-0"



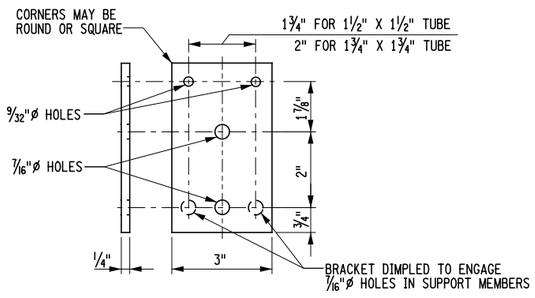
TYPE III CONSTRUCTION BARRICADE ALTERNATE "M"
SCALE: 3/8" = 1'-0"

NOTES:

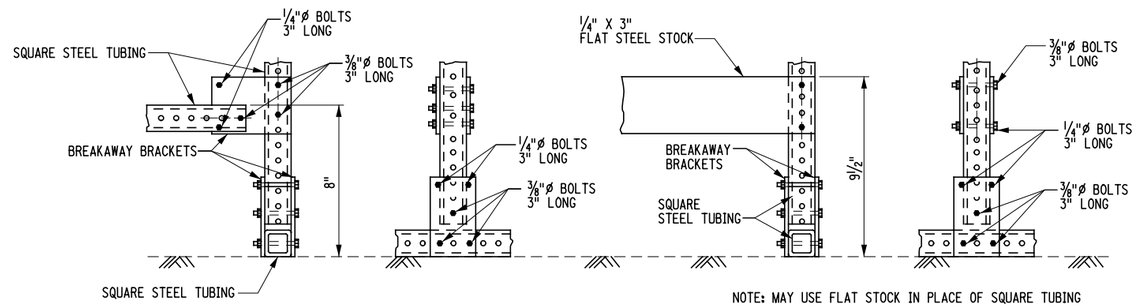
1. THE DETAILS AND MATERIALS FOR TYPE III CONSTRUCTION BARRICADES ARE NCHRP 350 APPROVED. IF THE CONTRACTOR ELECTS TO USE AN ALTERNATE DESIGN OR MATERIALS, THE ALTERNATIVE SHALL BE NCHRP 350 APPROVED.
2. THE ALTERNATES SHOWN ON THIS SHEET ARE EQUALLY ACCEPTABLE AND THE CONTRACTOR MAY USE ANY ONE OR A MIXTURE OF TYPES.
3. PANELS SHALL HAVE 6" WIDE REFLECTORIZED ORANGE AND WHITE DIAGONAL STRIPES OF TYPE I OR TYPE III SHEETING SLOPING AT AN ANGLE OF 45n, IN ACCORDANCE WITH y729-08. THE STRIPES SHALL SLOPE DOWNWARD TOWARD THE SIDE ON WHICH TRAFFIC IS TO PASS.
4. BALLAST MAY BE PLACED ON THE BASE MEMBERS OF THE BARRICADE. BALLAST SHALL NOT EXTEND INTO THE ACCESSIBLE PASSAGE WIDTH OF 5' WHERE BARRICADES ARE USED TO CHANNELIZE PEDESTRIANS.
5. PANELS FOR BARRICADES MAY BE WOOD, PLASTIC, OR ALUMINUM.
6. WHEN THE BATTERY AND LIGHT WEIGH MORE THAN 7 LBS, THE BATTERY SHALL BE MOUNTED AT THE BOTTOM OF THE BARRICADE.
7. ALTERNATE "M" BARRICADES SHALL BE EXTENDED WITH INTERNAL SPLICE MEMBERS. THE INTERNAL SPLICE MEMBERS SHALL BE ONE 1 FOOT LENGTHS OF SQUARE STEEL TUBING INSERTED 6" INTO EACH UPRIGHT. THE EXTENSION SHALL THEN BE PLACED OVER THE TOP OF THE INTERNAL SPLICE MEMBER. THE EXTENSION AND INTERNAL SPLICE MEMBER SHALL BE HELD IN PLACE WITH 3/8" BOLTS WITH NUTS AND WASHERS PLACED 4"(1") ABOVE AND BELOW THE JOINT FORMED BY THE EXTENSION. THE INTERNAL SPLICE MEMBERS SHALL BE ONE OF THE FOLLOWING SIZES DEPENDING UPON THE TUBING USED TO FABRICATE THE BARRICADE. GAUGES FOR SQUARE TUBES SHALL BE UNITED STATES STANDARD GAUGE.

BARRICADE MEMBERS	INTERNAL SPLICE MEMBERS
12 GAUGE 1 3/4" X 1 3/4"	12 GAUGE 1 1/2" X 1 1/2"
14 GAUGE 1 3/4" X 1 3/4"	14 GAUGE 1 1/2" X 1 1/2"
12 GAUGE 1 1/2" X 1 1/2"	12 GAUGE 1 1/4" X 1 1/4"

8. IF BARRICADES ARE USE TO TEMPORALLY CHANNELIZE PEDESTRIANS, THERE SHALL BE CONTINUOUS DETECTABLE BOTTOM AND TOP RAILS WITH NO GAP BETWEEN INDIVIDUAL BARRICADES, TO BE DETECTABLE TO BLIND OR VISUALLY IMPAIRED USERS OF LONG CANES. THE BOTTOM OF THE BOTTOM RAIL SHALL BE NO LOWER THAN 6" ABOVE THE GROUND SURFACE. THE TOP OF THE TOP RAIL SHALL BE NO LOWER THAN 3' ABOVE THE GROUND SURFACE.



BRACKET DETAIL
SCALE: 3" = 1'-0"



NOTE: MAY USE FLAT STOCK IN PLACE OF SQUARE TUBING

ALTERNATE BRACKET DETAIL
SCALE: 1 1/2" = 1'-0"

NOTE: SQUARE STEEL TUBING SHALL MEET ONE OF THE FOLLOWING MATERIAL REQUIREMENTS:

12 GAUGE 1 3/4" X 1 3/4", ASTM A653
12 GAUGE 1 1/2" X 1 1/2", ASTM A653
14 GAUGE 1 3/4" X 1 3/4", ASTM A1011
ALL BOLTS ARE A325 OR EQUIVALENT BOLTS

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN:

BRIDGE

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

CONTRACT NUMBER

WORK ZONE TRAFFIC CONTROL MISCELLANEOUS DETAILS

DRAWING NO. WZTD-01

SHEET NO. 14

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

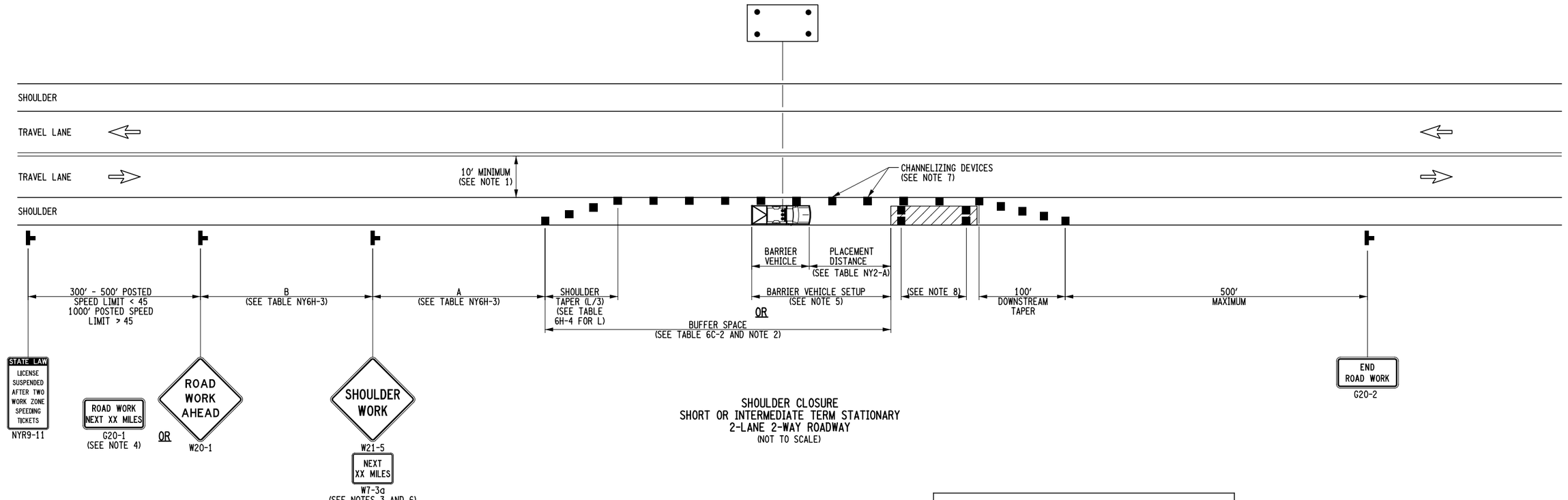
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DRAFTING M. WALSH | DESIGN M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE | CHECK C. SWAYNE

FILE NAME = F:\mj1150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\1150.04_cph_wztd_01.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



SHOULDER CLOSURE
SHORT OR INTERMEDIATE TERM STATIONARY
2-LANE 2-WAY ROADWAY
(NOT TO SCALE)

NOTES:

1. WHEN THE MINIMUM LANE WIDTH OF 10' CANNOT BE MAINTAINED DUE TO A SHOULDER CLOSURE, USE THE DETAIL FOR SHORT OR INTERMEDIATE TERM STATIONARY FLAGGING OPERATION.
2. NO WORK ACTIVITY OR STORAGE OF EQUIPMENT, VEHICLES, OR MATERIAL SHOULD OCCUR WITHIN A BUFFER SPACE.
3. WHEN THE DISTANCE BETWEEN THE ADVANCE WARNING SIGNS AND WORK IS 2 MILES TO 5 MILES, A SUPPLEMENTAL DISTANCE PLAQUE (W7-3a) SHOULD BE USED WITH THE SHOULDER WORK SIGN (W21-5).
4. THE ROAD WORK NEXT XX MILES SIGN (G20-1) MAY BE USED INSTEAD OF THE ROAD WORK AHEAD SIGN (W20-1) IF WORK LOCATIONS OCCUR OVER A DISTANCE OF MORE THAN 2 MILES.
5. FOR BARRIER VEHICLE USE REQUIREMENTS SEE TABLES NY1-A AND NY2-A ON THE STANDARD SHEET TITLED "WORK ZONE TRAFFIC CONTROL LEGENDS AND NOTES".
6. IN THOSE SITUATIONS WHERE MULTIPLE WORK LOCATIONS EXIST WITHIN A LIMITED DISTANCE MAKE IT PRACTICAL TO PLACE STATIONARY SIGNS, THE DISTANCE BETWEEN THE ADVANCE WARNING SIGN AND WORK SHALL NOT EXCEED 5 MILES.
7. CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL NOT EXCEED 40' IN THE ACTIVE WORK SPACE.
8. TRANSVERSE DEVICES SHALL BE REQUIRED (AS PER 619 STANDARD SPECIFICATIONS) WHEN A PAVED SHOULDER HAVING A WIDTH OF 8' OR GREATER IS CLOSED FOR A DISTANCE GREATER THAN 1500'.

TABLE NY6H-3
ADVANCE WARNING SIGN SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS			SIGN LEGEND	
	A (FT.)	B (FT.)	C (FT.)	XX	YY
URBAN (≥ 30 MPH•)	100	100	100	AHEAD	AHEAD
URBAN (35-40 MPH•)	200	200	200	AHEAD	AHEAD
URBAN (≤ 45 MPH•)	350	350	350	1000 FT.	AHEAD
RURAL	500	500	500	1500 FT.	1000 FT.
EXPRESSWAY / FREEWAY	1000	1500	2640	1 MILE	½ MILE

• PRECONSTRUCTION POSTED SPEED LIMIT

URBAN: (MEETS MORE THAN 1 OF THE FOLLOWING CRITERIA) SIDEWALKS, BICYCLE USAGE, CURBING, CLOSED DRAINAGE SYSTEMS, DRIVEWAY DENSITIES GREATER THAN 24 DRIVEWAYS PER MILE, MINOR COMMERCIAL DRIVEWAY DENSITIES OF 10 DRIVEWAYS PER MILE OR GREATER, MAJOR COMMERCIAL DRIVEWAYS, NUMEROUS RIGHT OF WAY CONSTRAINTS, HIGH DENSITY OF CROSS STREETS, 85TH PERCENTILE SPEEDS OF 45 MPH OR LESS.

RURAL: ANY AREA NOT EXHIBITING MORE THAN ONE OF THE ABOVE CHARACTERISTICS.

EXPRESSWAY: DIVIDED HIGHWAYS FOR TRAFFIC WITH FULL OR PARTIAL CONTROL OF ACCESS AND GENERALLY WITH GRADE SEPARATIONS AT MAJOR CROSSROADS.

FREEWAYS/INTERSTATE: LOCAL OR INTER REGIONAL HIGH-SPEED, DIVIDED, HIGH-VOLUME FACILITIES WITH FULL OR PARTIAL CONTROL OF ACCESS.

TABLE NY2-A
PLACEMENT DISTANCE FOR BARRIER VEHICLES

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	PLACEMENT DISTANCE (FT.) BARRIER VEHICLES• (18000 LBS.) MINIMUM	(18000 LBS.) MAXIMUM	(24000 LBS.) MINIMUM	(24000 LBS.) MAXIMUM
> 55	100 FT.	200 FT.	100 FT.	200 FT.
45 - 55	100 FT.	200 FT.	85 FT.	165 FT.
< 45	85 FT.	165 FT.	50 FT.	100 FT.

TABLE 6C-2
LONGITUDINAL BUFFER SPACE

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	DISTANCE
25	155 FT.
30	200 FT.
35	250 FT.
40	305 FT.
45	360 FT.
50	425 FT.
55	495 FT.
60	570 FT.
65	645 FT.

TABLE 619-4
FLARE RATES FOR POSITIVE BARRIER

TYPE OF POSITIVE BARRIER	POSTED SPEED LIMIT 30 MPH	40 MPH	50 MPH	55 MPH	65 MPH
TEMPORARY CONCRETE BARRIER	8:1	11:1	14:1	16:1	20:1
BOX BEAM OR HEAVY POST CORRUGATED BEAM	7:1	9:1	11:1	12:1	15:1

TABLE 6H-4 FORMULAS FOR DETERMINING TAPER LENGTHS

SPEED LIMIT (S) (MPH)	TAPER LENGTH (L) (FT.)
(40 MPH) OR LESS	$L = WS^2/60$
(45 MPH) OR MORE	$L = WS$

L = TAPER LENGTH
W = WIDTH OF OFFSET (FT.)
S = PRECONSTRUCTION POSTED SPEED LIMIT (MPH)

STANDARD TAPER LENGTHS

LATERAL SHIFT OF TRAFFIC FLOW PATH	TEMPORARY TRAFFIC CONTROL ZONE POSTED SPEED LIMIT (25 MPH)	(30 MPH)	(35 MPH)	(40 MPH)	(45 MPH)	(50 MPH)	(55 MPH)	(60 MPH)	(65 MPH)	(70 MPH)
4	45	60	85	110	180	200	220	240	260	280
5	55	75	105	135	225	250	275	300	325	350
6	65	90	125	160	270	300	330	360	390	420
7	75	105	145	190	315	350	385	420	455	490
8	85	120	165	215	360	400	440	480	520	560
9	95	135	185	240	405	450	495	540	585	630
10	105	150	205	270	450	500	550	600	650	700
11	115	165	225	295	495	550	605	660	715	770
12	125	180	245	320	540	600	660	720	780	840

PREPARED BY: MJ ENGINEERING & LAND SURVEYING | ALTERED BY: ON:

PERMIT SET SUBMISSION
NOT FOR CONSTRUCTION

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN:

BRIDGE

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

WORK ZONE TRAFFIC CONTROL MISCELLANEOUS DETAILS

CONTRACT NUMBER

DRAWING NO. WZTD-02
SHEET NO. 15

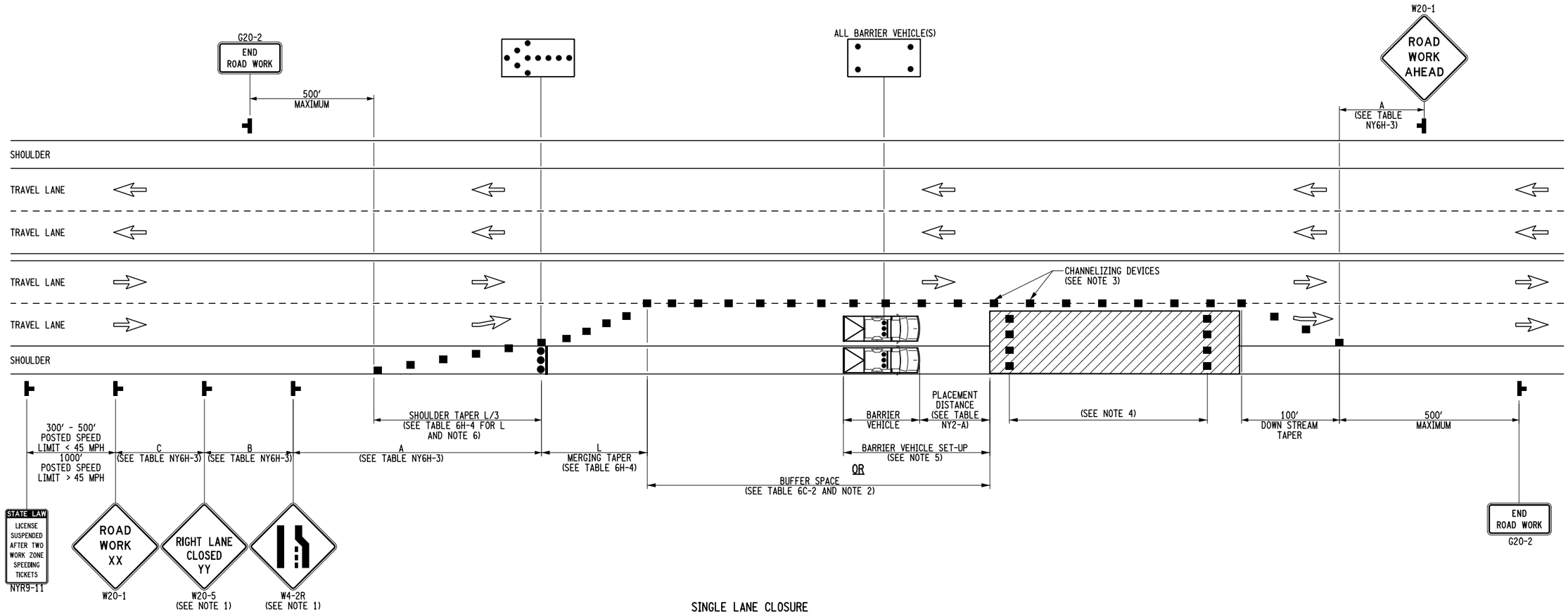
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\mj1150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\1150f04_cph_wztd_02.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



SINGLE LANE CLOSURE
SHORT OR INTERMEDIATE TERM STATIONARY
MULTI LANE HIGHWAY (UNDIVIDED)
(NOT TO SCALE)

NOTES:

1. LEFT LANE CLOSURES ARE SYMMETRICAL TO RIGHT LANE CLOSURES. SUBSTITUTE LEFT LANE CLOSED SIGN (W20-5) AND THE CORRESPONDING LANE ENDS SIGN (W4-2L).
2. NO WORK ACTIVITY, EQUIPMENT, OR STORAGE OF VEHICLES, OR MATERIAL SHALL OCCUR WITHIN THE BUFFER SPACE AT ANY TIME.
3. CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL NOT EXCEED 40' IN THE ACTIVE WORK SPACE.
4. TRANSVERSE DEVICES SHALL BE REQUIRED (AS PER 619 STANDARD SPECIFICATIONS) WHEN A PAVED SHOULDER HAVING A WIDTH OF 8' OR GREATER IS CLOSED FOR A DISTANCE GREATER THAN 1500'.
5. FOR BARRIER VEHICLE USE REQUIREMENTS SEE TABLES NY1-A AND NY2-A ON THE STANDARD SHEET TITLED "WORK ZONE TRAFFIC CONTROL LEGENDS AND NOTES".
6. WHEN PAVED SHOULDERS HAVING A WIDTH OF 8' OR MORE ARE CLOSED, CHANNELIZING DEVICES SHALL BE USED TO CLOSE THE SHOULDER IN ADVANCE TO DELINEATE THE BEGINNING OF THE WORK SPACE AND TO DIRECT VEHICULAR TRAFFIC TO REMAIN IN THE TRAVELED WAY.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED WORK ZONE TRAFFIC CONTROL MISCELLANEOUS DETAILS	CONTRACT NUMBER DRAWING NO. WZTD-03 SHEET NO. 16

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road • Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

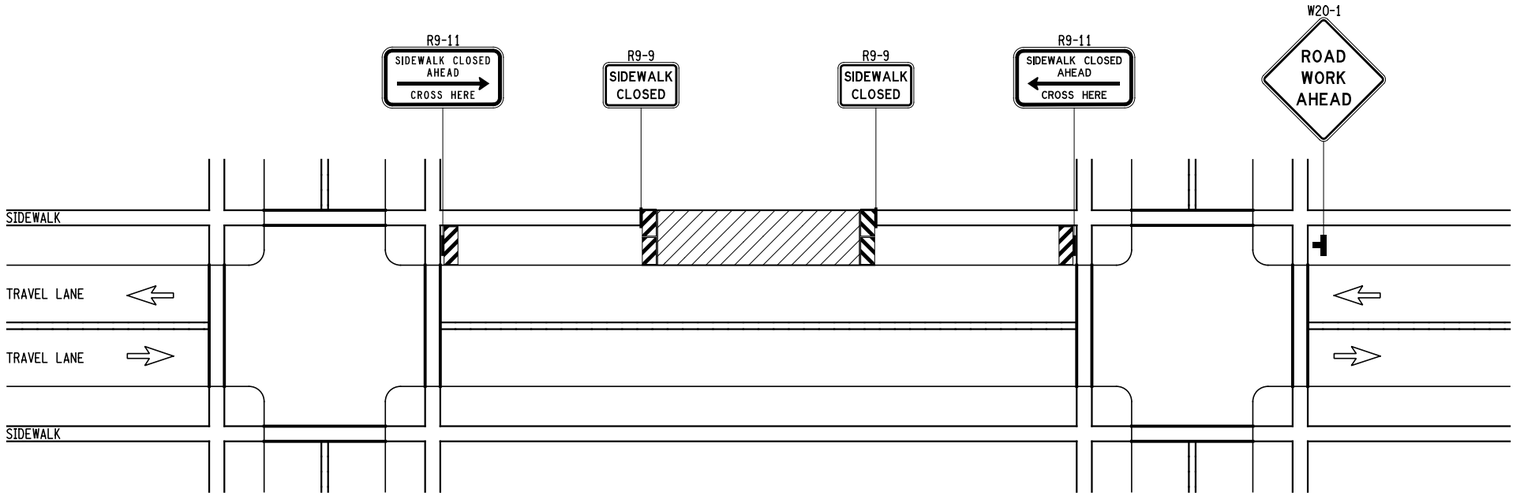
Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | CHECK C. SWAYNE | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

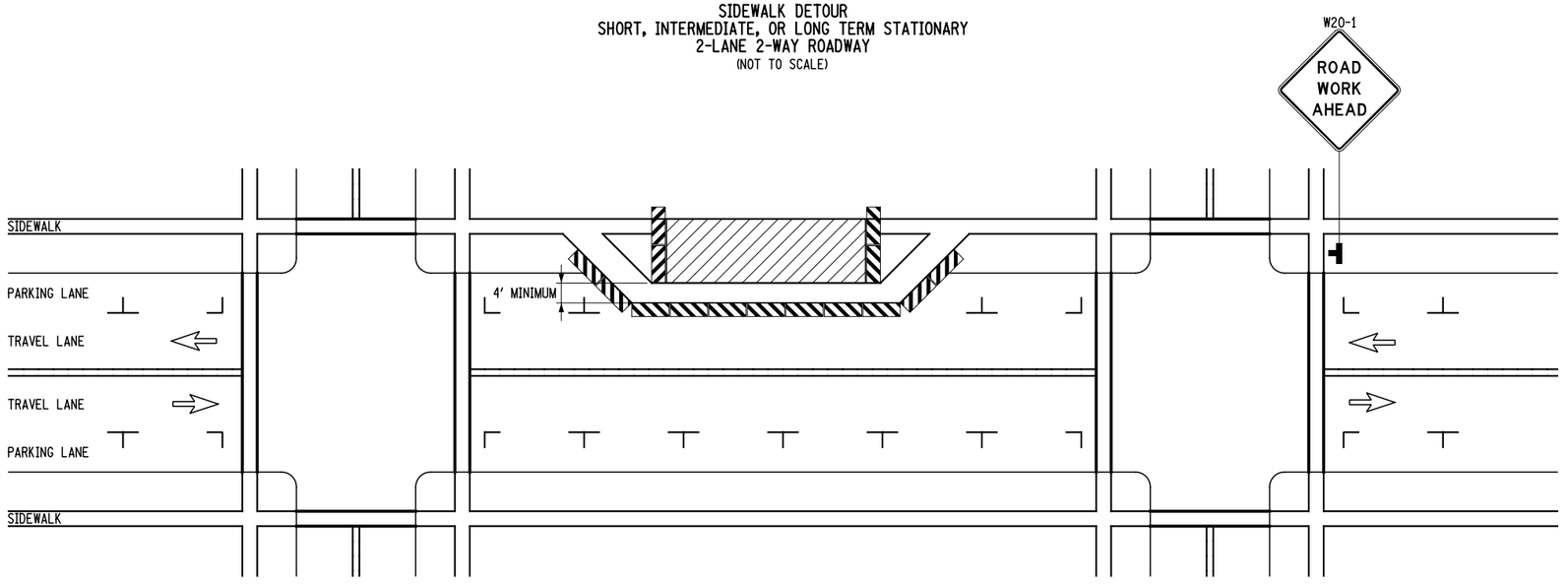
FILE NAME = F:\mj\1150\MJ1150.04 GOSR Mill River Greenway\GGN_Final Design\1150B4_cph_wztd_03.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

NOTES:

1. WHEN CROSSWALKS OR OTHER PEDESTRIAN FACILITIES ARE CLOSED OR RELOCATED, TEMPORARY FACILITIES SHALL BE DETECTABLE AND SHALL INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH THE FEATURES PRESENT IN THE EXISTING FACILITY.
2. WHERE HIGH SPEEDS ARE ANTICIPATED, A TEMPORARY TRAFFIC BARRIER AND TEMPORARY IMPACT ATTENUATOR SHOULD BE USED TO SEPARATE THE TEMPORARY SIDEWALKS FROM VEHICULAR TRAFFIC.
3. ONLY THE WORK ZONE TRAFFIC CONTROL DEVICES RELATED TO PEDESTRIANS ARE SHOWN. OTHER DEVICES, SUCH AS LANE CLOSURE SIGNING OR ROAD NARROWS SIGNS (W5-4), MAY BE USED TO CONTROL VEHICULAR TRAFFIC.
4. FOR NIGHTTIME CLOSURES, FLASHING WARNING LIGHTS SHALL BE USED ON BARRICADES SUPPORTING SIGNS AND CLOSING SIDEWALKS.
5. SIGNS SUCH AS KEEP RIGHT (LEFT) SHALL BE PLACED ALONG A TEMPORARY SIDEWALK, WHERE APPLICABLE AND ACCORDING TO AMERICAN WITH DISABILITIES STANDARDS, TO GUIDE OR DIRECT PEDESTRIANS.
6. TYPE II BARRICADES MAY BE SUBSTITUTED FOR TYPE III BARRICADES AS PER 619 STANDARD SPECIFICATIONS.



SIDEWALK DETOUR
SHORT, INTERMEDIATE, OR LONG TERM STATIONARY
2-LANE 2-WAY ROADWAY
(NOT TO SCALE)



SIDEWALK DIVERSION
SHORT, INTERMEDIATE, OR LONG TERM STATIONARY
2-LANE 2-WAY ROADWAY
(NOT TO SCALE)

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED WORK ZONE TRAFFIC CONTROL MISCELLANEOUS DETAILS	CONTRACT NUMBER DRAWING NO. WZTD-04 SHEET NO. 17

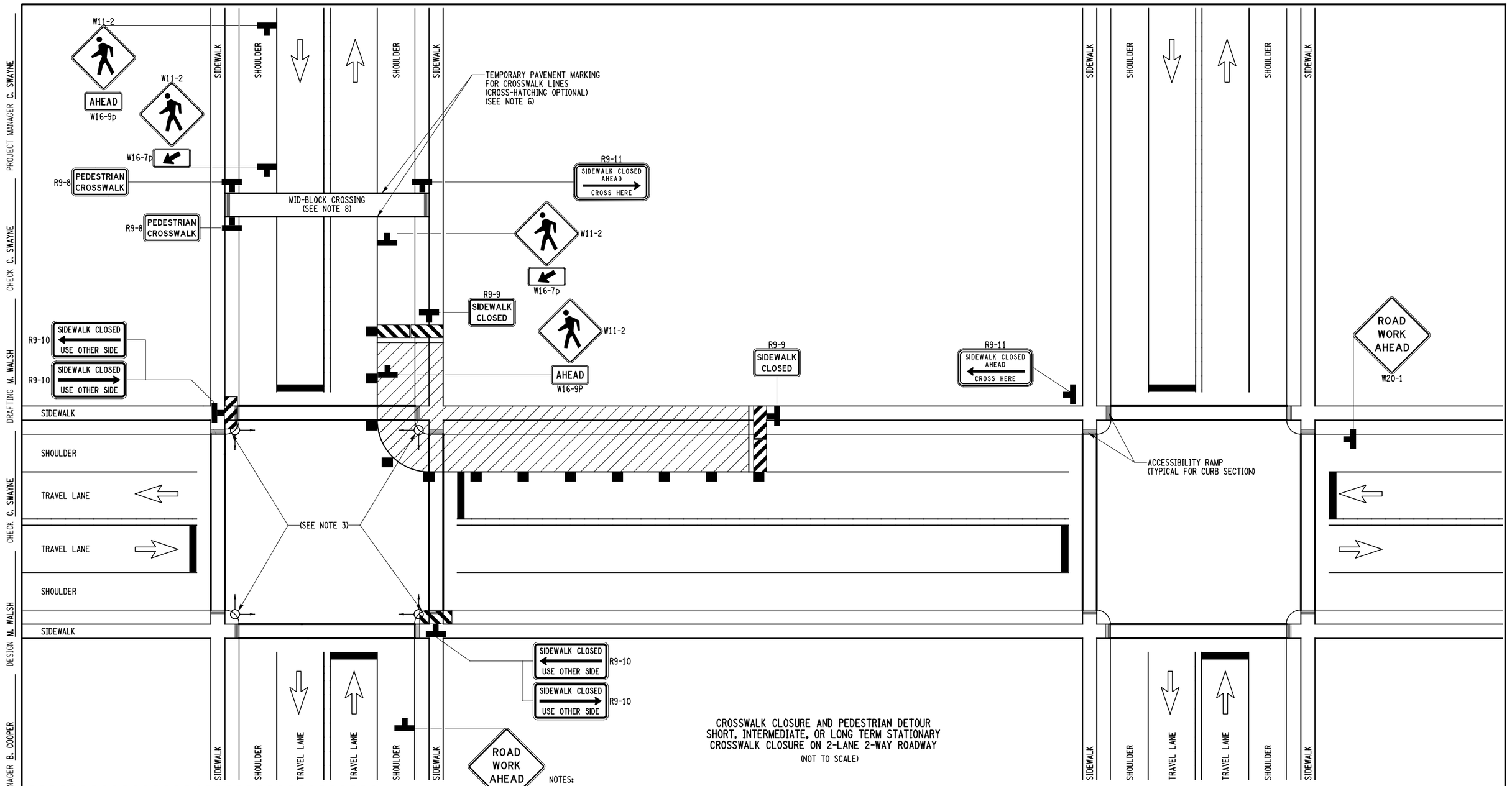
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road • Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\mj\150\MJ150.04 GOSR Mill River Greenway\DGN_Final Design\150804_cph_wztd_04.dgn
DATE/TIME = 6/22/2020
USER = mwalsh



CROSSWALK CLOSURE AND PEDESTRIAN DETOUR
SHORT, INTERMEDIATE, OR LONG TERM STATIONARY
CROSSWALK CLOSURE ON 2-LANE 2-WAY ROADWAY
(NOT TO SCALE)

NOTES:

1. WHEN CROSSWALKS OR OTHER PEDESTRIAN FACILITIES ARE CLOSED OR RELOCATED, TEMPORARY FACILITIES SHALL BE DETECTABLE AND SHALL INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH THE FEATURES PRESENT IN THE EXISTING FACILITY.
2. CURB PARKING SHALL BE PROHIBITED FOR AT LEAST 50' IN ADVANCE OF THE MID-BLOCK CROSSWALK.
3. PEDESTRIAN TRAFFIC SIGNAL DISPLAYS CONTROLLING CLOSED CROSSWALKS SHOULD BE COVERED OR DEACTIVATED.
4. ONLY THE WORK ZONE TRAFFIC CONTROL DEVICES RELATED TO PEDESTRIANS ARE SHOWN. OTHER DEVICES, SUCH AS LANE CLOSURE SIGNING OR ROAD NARROWS SIGNS (W5-4), MAY BE USED TO CONTROL VEHICULAR TRAFFIC.
5. FOR NIGHTTIME CLOSURES, FLASHING WARNING LIGHTS SHALL BE USED ON BARRICADES SUPPORTING SIGNS AND CLOSING SIDEWALKS.
6. FOR LONG-TERM STATIONARY WORK, THE DOUBLE YELLOW CENTERLINE AND/OR LANE LINES SHOULD BE REMOVED BETWEEN THE TEMPORARY CROSSWALK LINES.
6. AREA SHALL BE RECONSTRUCTED TO BE ACCESSIBLE TO PEDESTRIANS.
7. ALL MID-BLOCK CROSSINGS REQUIRE THE APPROVAL OF THE REGIONAL DIRECTOR OR HIS/HER DESIGNEE.
8. TYPE II BARRICADES MAY BE SUBSTITUTED FOR TYPE III BARRICADES AS PER 619 STANDARD SPECIFICATIONS.

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\nj\1150\M\1150.04 GOSR Mill River Greenway\DGN_Final Design\1150004_cph_wztd_05.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

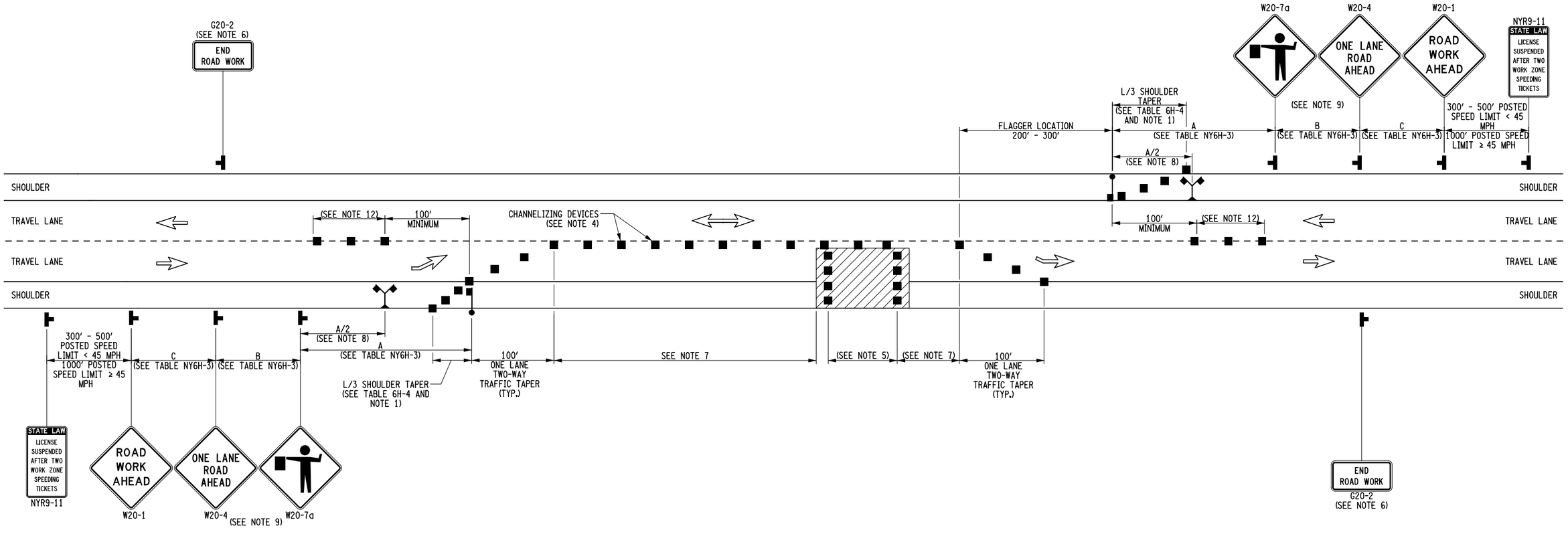
AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED
LIVING WITH THE BAY - MILL RIVER GREENWAY				CONTRACT NUMBER
				WORK ZONE TRAFFIC CONTROL MISCELLANEOUS DETAILS
TOWN OF HEMPSTEAD				DRAWING NO. WZTD-05
COUNTY: NASSAU				SHEET NO. 18

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY



FLAGGING OPERATION
SHORT OR INTERMEDIATE TERM STATIONARY
LANE CLOSURE ON 2-LANE 2-WAY ROADWAY
(NOT TO SCALE)

NOTES:

1. WHEN PAVED SHOULDERS HAVING A WIDTH OF 8′ OR MORE ARE CLOSED, CHANNELIZING DEVICES SHALL BE USED TO CLOSE THE SHOULDER IN ADVANCE TO DELINEATE THE BEGINNING OF THE WORK AREA AND DIRECT VEHICULAR TRAFFIC TO REMAIN IN THE TRAVEL WAY.
2. WHEN A SIDE ROAD OR DRIVEWAY INTERSECTS THE ROADWAY WITHIN A WORK ZONE TRAFFIC CONTROL AREA, ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES AND/OR FLAGGERS SHALL BE PLACED AS NEEDED. ADDITIONAL FLAGGERS SHALL BE LOCATED AT ALL INTERSECTIONS AND COMMERCIAL DRIVEWAYS LOCATED WITHIN OR NEAR THE ACTIVE WORK SPACE.
3. NO WORK ACTIVITY, EQUIPMENT, OR STORAGE OF VEHICLES, OR MATERIAL SHALL OCCUR WITHIN THE BUFFER SPACE AT ANY TIME.
4. CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL NOT EXCEED 40′ IN THE ACTIVE WORK SPACE.
5. TRANSVERSE DEVICES SHALL BE REQUIRED (AS PER 619 STANDARD SPECIFICATIONS) WHEN A PAVED SHOULDER HAVING A WIDTH OF 8′ OR GREATER IS CLOSED FOR A DISTANCE GREATER THAN 1500′.
6. THE END ROAD WORK SIGN (G20-2) SHALL BE PLACED A MAXIMUM OF 500′ PAST THE END OF THE WORK SPACE.
7. WHERE DIRECTED BY THE ENGINEER, A BUFFER SPACE SHALL BE PROVIDED IN ORDER TO LOCATE THE ONE-LANE, TWO-WAY TRAFFIC TAPER PRIOR TO ANY HORIZONTAL OR VERTICAL CURVE, IN ORDER TO PROVIDE ADEQUATE SIGHT DISTANCE FOR THE FLAGGERS AND/OR A QUEUE OF STOPPED VEHICLES.
8. THE FLAG TREE SHALL BE LOCATED ON THE SHOULDER, AT APPROXIMATELY ½ THE DISTANCE BETWEEN THE FLAGGER SIGN (W20-7a) AND THE FLAGGER.
9. FLAGGER SIGN (W20-7a) AND ONE LANE ROAD AHEAD SIGN (W20-4) SHALL BE REMOVED, COVERED OR TURNED AWAY FROM ROAD USERS WHEN FLAGGING OPERATIONS ARE NOT OCCURRING.
10. FLAGGER AND FLAG TREE SHALL BE ILLUMINATED TO LEVEL II ILLUMINATION DURING NIGHT TIME OPERATIONS.
11. ALL FLAGGERS SHALL USE 24" (MIN.) OCTAGON SHAPED STOP/SLOW PADDLES HAVING 6′ STAFF.
12. CENTERLINE CHANNELIZING DEVICES ARE OPTIONAL AND MAY BE ELIMINATED WHERE SPACE CONSTRAINTS EXIST.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED WORK ZONE TRAFFIC CONTROL MISCELLANEOUS DETAILS	CONTRACT NUMBER DRAWING NO. WZTD-06 SHEET NO. 19

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

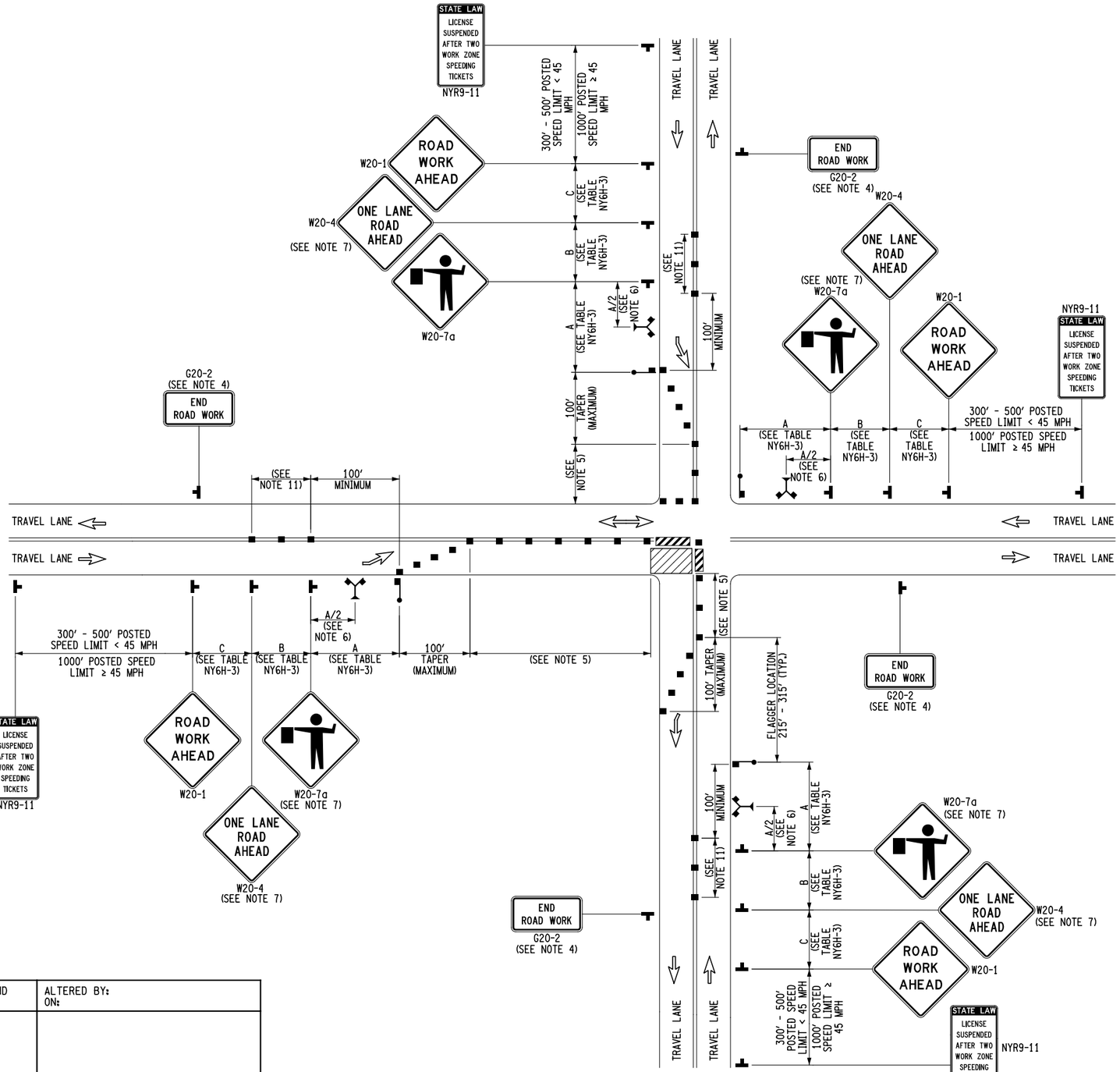
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DRAFTING M. WALSH | DESIGN M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE | CHECK C. SWAYNE

FILE NAME = F:\nj1150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\1150.04_cph_wztd_06.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



NOTES:

1. AT SIGNALIZED INTERSECTIONS, SIGNALS SHALL BE TURNED OFF FOR ANY FLAGGING OPERATIONS, UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.
2. WHEN PAVED SHOULDERS HAVING A WIDTH OF 8' OR MORE ARE CLOSED, CHANNELIZING DEVICES SHALL BE USED TO CLOSE THE SHOULDER IN ADVANCE TO DELINEATE THE BEGINNING OF THE WORK AREA AND DIRECT VEHICULAR TRAFFIC TO REMAIN IN THE TRAVEL WAY.
3. CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL NOT EXCEED 40' IN THE ACTIVE WORK SPACE.
4. THE END ROAD WORK SIGN (G20-2) SHALL BE PLACED A MAXIMUM OF 500' PAST THE END OF THE WORK SPACE.
5. WHERE DIRECTED BY THE ENGINEER, A BUFFER SPACE SHALL BE PROVIDED IN ORDER TO LOCATE THE ONE-LANE, TWO-WAY TRAFFIC TAPER PRIOR TO ANY HORIZONTAL OR VERTICAL CURVE, IN ORDER TO PROVIDE ADEQUATE SIGHT DISTANCE FOR THE FLAGGERS AND/OR A QUEUE OF STOPPED VEHICLES.
6. THE FLAG TREE SHALL BE LOCATED ON THE SHOULDER, AT APPROXIMATELY ½ THE DISTANCE BETWEEN THE FLAGGER SIGN (W20-7a) AND THE FLAGGER.
7. FLAGGER SIGN (W20-7a) AND ONE LANE ROAD AHEAD SIGN (W20-4) SHALL BE REMOVED, COVERED OR TURNED AWAY FROM ROAD USERS WHEN FLAGGING OPERATIONS ARE NOT OCCURRING.
8. FLAGGER AND FLAG TREE SHALL BE ILLUMINATED TO LEVEL II ILLUMINATION DURING NIGHT TIME OPERATIONS.
9. ALL FLAGGERS SHALL USE 24" (MIN.) OCTAGON SHAPED STOP/SLOW PADDLES HAVING 6' STAFF.
10. ADDITIONAL FLAGGERS SHALL BE LOCATED AT ALL INTERSECTIONS AND COMMERCIAL DRIVEWAYS LOCATED WITHIN OR NEAR THE ACTIVE WORK AREA.
11. CENTERLINE CHANNELIZING DEVICES ARE OPTIONAL AND MAY BE ELIMINATED WHERE SPACE CONSTRAINTS EXIST.
12. NO WORK ACTIVITY, EQUIPMENT, OR STORAGE OF VEHICLES, OR MATERIAL SHALL OCCUR WITHIN THE BUFFER SPACE AT ANY TIME.
13. FOR PEDESTRIAN DETOUR ACCOMMODATIONS REFER TO THE STANDARD SHEETS TITLED "SIDEWALK DETOUR OR DIVERSION" AND "CROSSWALK CLOSURE AND PEDESTRIAN DETOUR".

FLAGGING OPERATION
SHORT OR INTERMEDIATE TERM STATIONARY
LANE CLOSURE AT OR NEAR INTERSECTION
(NOT TO SCALE)

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\mj1150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\1150004_cph_wztd_07.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED WORK ZONE TRAFFIC CONTROL MISCELLANEOUS DETAILS	CONTRACT NUMBER DRAWING NO. WZTD-07 SHEET NO. 20

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

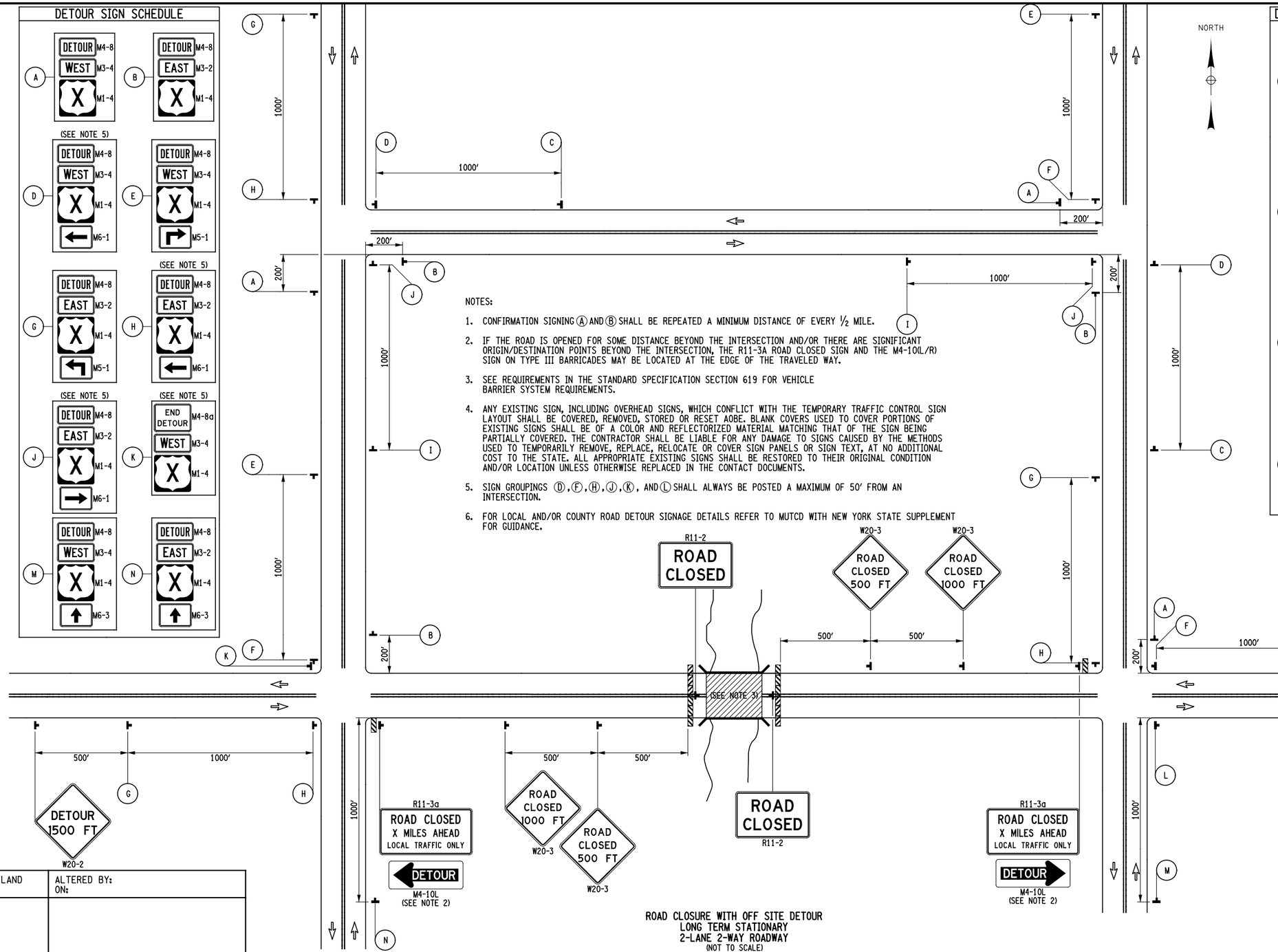
GOVERNOR'S OFFICE OF STORM RECOVERY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\mj1150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\1150804_cph_wztd_08.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

DETOUR SIGN SCHEDULE

A	DETOUR M4-8 / WEST M3-4 / X M1-4	
B	DETOUR M4-8 / EAST M3-2 / X M1-4	
D	(SEE NOTE 5) DETOUR M4-8 / WEST M3-4 / X M1-4 / M6-1	
E	DETOUR M4-8 / WEST M3-4 / X M1-4 / M5-1	
G	(SEE NOTE 5) DETOUR M4-8 / EAST M3-2 / X M1-4 / M5-1	
H	DETOUR M4-8 / EAST M3-2 / X M1-4 / M6-1	
J	(SEE NOTE 5) DETOUR M4-8 / EAST M3-2 / X M1-4 / M6-1	
K	(SEE NOTE 5) END DETOUR M4-8a / WEST M3-4 / X M1-4	
M	(SEE NOTE 5) DETOUR M4-8 / WEST M3-4 / X M1-4 / M6-3	
N	DETOUR M4-8 / EAST M3-2 / X M1-4 / M6-3	



NOTES:

1. CONFIRMATION SIGNING Ⓐ AND Ⓑ SHALL BE REPEATED A MINIMUM DISTANCE OF EVERY ½ MILE.
2. IF THE ROAD IS OPENED FOR SOME DISTANCE BEYOND THE INTERSECTION AND/OR THERE ARE SIGNIFICANT ORIGIN/DESTINATION POINTS BEYOND THE INTERSECTION, THE R11-3A ROAD CLOSED SIGN AND THE M4-10(L/R) SIGN ON TYPE III BARRICADES MAY BE LOCATED AT THE EDGE OF THE TRAVELED WAY.
3. SEE REQUIREMENTS IN THE STANDARD SPECIFICATION SECTION 619 FOR VEHICLE BARRIER SYSTEM REQUIREMENTS.
4. ANY EXISTING SIGN, INCLUDING OVERHEAD SIGNS, WHICH CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL SIGN LAYOUT SHALL BE COVERED, REMOVED, STORED OR RESET AOBE. BLANK COVERS USED TO COVER PORTIONS OF EXISTING SIGNS SHALL BE OF A COLOR AND REFLECTORIZED MATERIAL MATCHING THAT OF THE SIGN BEING PARTIALLY COVERED. THE CONTRACTOR SHALL BE LIABLE FOR ANY DAMAGE TO SIGNS CAUSED BY THE METHODS USED TO TEMPORARILY REMOVE, REPLACE, RELOCATE OR COVER SIGN PANELS OR SIGN TEXT, AT NO ADDITIONAL COST TO THE STATE. ALL APPROPRIATE EXISTING SIGNS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND/OR LOCATION UNLESS OTHERWISE REPLACED IN THE CONTACT DOCUMENTS.
5. SIGN GROUPINGS Ⓓ, Ⓕ, Ⓗ, Ⓙ, Ⓚ, AND Ⓛ SHALL ALWAYS BE POSTED A MAXIMUM OF 50′ FROM AN INTERSECTION.
6. FOR LOCAL AND/OR COUNTY ROAD DETOUR SIGNAGE DETAILS REFER TO MUTCD WITH NEW YORK STATE SUPPLEMENT FOR GUIDANCE.

NORTH

DETOUR SIGN SCHEDULE

C	DETOUR M4-8 / WEST M3-4 / X M1-4 / M5-1
F	(SEE NOTE 5) DETOUR M4-8 / WEST M3-4 / X M1-4 / M6-1
I	DETOUR M4-8 / EAST M3-2 / X M1-4 / M5-1
L	(SEE NOTE 5) END DETOUR M4-8a / EAST M3-2 / X M1-4

ROAD CLOSURE WITH OFF SITE DETOUR
LONG TERM STATIONARY
2-LANE 2-WAY ROADWAY
(NOT TO SCALE)

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED
LIVING WITH THE BAY - MILL RIVER GREENWAY				WORK ZONE TRAFFIC CONTROL MISCELLANEOUS DETAILS
TOWN OF HEMPSTEAD				
COUNTY: NASSAU				

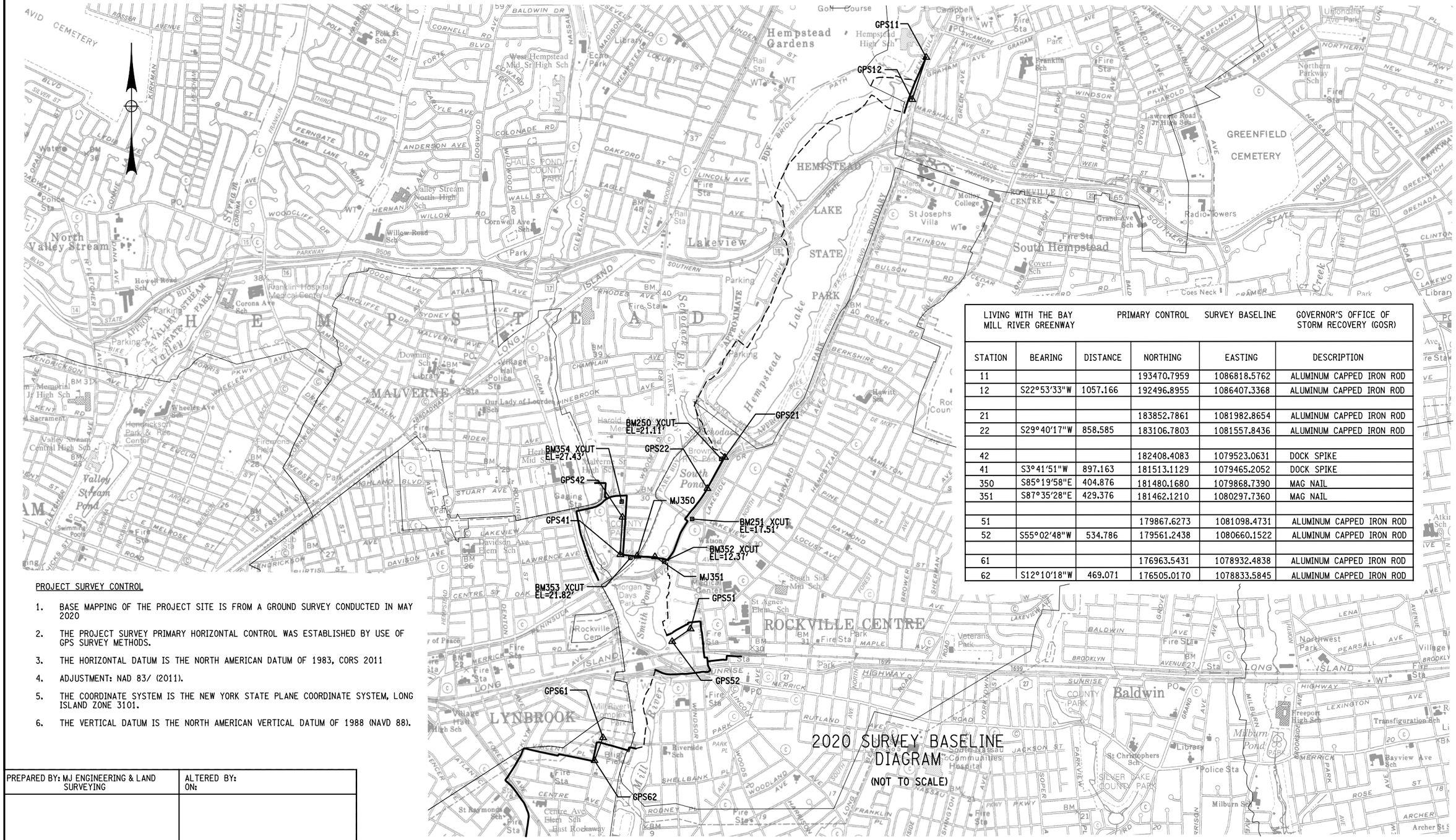
CONTRACT NUMBER

DRAWING NO. WZTD-08
SHEET NO. 21

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY
Living with the BAY



2020 SURVEY BASELINE DIAGRAM

(NOT TO SCALE)

PROJECT SURVEY CONTROL

1. BASE MAPPING OF THE PROJECT SITE IS FROM A GROUND SURVEY CONDUCTED IN MAY 2020
2. THE PROJECT SURVEY PRIMARY HORIZONTAL CONTROL WAS ESTABLISHED BY USE OF GPS SURVEY METHODS.
3. THE HORIZONTAL DATUM IS THE NORTH AMERICAN DATUM OF 1983, CORS 2011
4. ADJUSTMENT: NAD 83/ (2011).
5. THE COORDINATE SYSTEM IS THE NEW YORK STATE PLANE COORDINATE SYSTEM, LONG ISLAND ZONE 3101.
6. THE VERTICAL DATUM IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

LIVING WITH THE BAY MILL RIVER GREENWAY | PRIMARY CONTROL | SURVEY BASELINE | GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)

STATION	BEARING	DISTANCE	NORTHING	EASTING	DESCRIPTION
11			193470.7959	1086818.5762	ALUMINUM CAPPED IRON ROD
12	S22°53'33"W	1057.166	192496.8955	1086407.3368	ALUMINUM CAPPED IRON ROD
21			183852.7861	1081982.8654	ALUMINUM CAPPED IRON ROD
22	S29°40'17"W	858.585	183106.7803	1081557.8436	ALUMINUM CAPPED IRON ROD
42			182408.4083	1079523.0631	DOCK SPIKE
41	S3°41'51"W	897.163	181513.1129	1079465.2052	DOCK SPIKE
350	S85°19'58"E	404.876	181480.1680	1079868.7390	MAG NAIL
351	S87°35'28"E	429.376	181462.1210	1080297.7360	MAG NAIL
51			179867.6273	1081098.4731	ALUMINUM CAPPED IRON ROD
52	S55°02'48"W	534.786	179561.2438	1080660.1522	ALUMINUM CAPPED IRON ROD
61			176963.5431	1078932.4838	ALUMINUM CAPPED IRON ROD
62	S12°10'18"W	469.071	176505.0170	1078833.5845	ALUMINUM CAPPED IRON ROD

PREPARED BY: MJ ENGINEERING & LAND SURVEYING | ALTERED BY: ON:

PERMIT SET SUBMISSION
NOT FOR CONSTRUCTION

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN: | BRIDGE | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

SURVEY PROJECT CONTROL
SURVEY BASELINE DIAGRAM

CONTRACT NUMBER

DRAWING NO. BLT-01
SHEET NO. 22

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

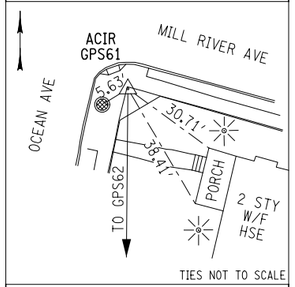
Engineering and Land Surveying, P.C.
1533 Crescent Road • Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | CHECK C. SWAYNE | DRAFTING M. WALSH | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\mj\1150\M1150_04 GOSR Mill River Greenway\DGN\Final Design\1150_04_cph_blt_01.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

2020 SURVEY CONTROL BASELINE TIE



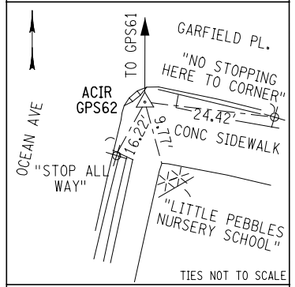
GPS-61

ALUMINUM CAPPED IRON ROD SET ON SOUTHEAST CORNER OF MILL RIVER AVE. AND OCEAN AVE. AT POINT OF INTERSECTION BACK OF WALKWAYS.

NYSPCS LONG ISLAND ZONE
NAD 83/2011

N: 176963.5431
E: 1078932.4838
NAVD 88 EL: 15.55'

2020 SURVEY CONTROL BASELINE TIE



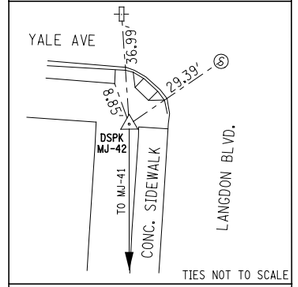
GPS-62

ALUMINUM CAPPED IRON ROD SET ON SOUTH EAST CORNER OF GARFIELD PLACE AND OCEAN AVENUE AT POINT OF INTERSECTION ON CONC. WALKWAYS.

NYSPCS LONG ISLAND ZONE
NAD 83/2011

N: 1765505.0170
E: 1078833.5845
NAVD 88 EL: 14.16'

2020 SURVEY CONTROL BASELINE TIE



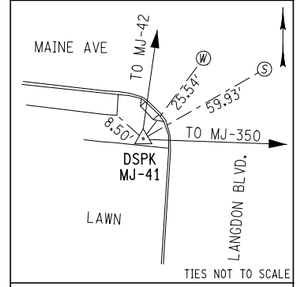
MJ-42

DOCK SPIKE SET 8.2' +/- FROM THE PAVEMENT EDGE YALE AVENUE AND 6.3' +/- WEST OF LANGDON BLVD. AND YALE AVENUE.

NYSPCS LONG ISLAND ZONE
NAD 83/2011

N: 182408.4083
E: 1079523.0631
NAVD 88 EL: 22.79'

2020 SURVEY CONTROL BASELINE TIE



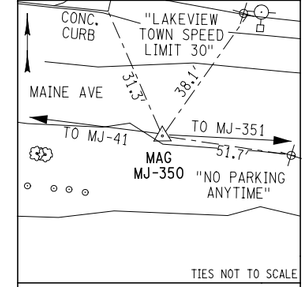
MJ-41

DOCK SPIKE SET 6.9' +/- FROM THE PAVEMENT EDGE LANGDON BLVD. ON THE SOUTHWEST CORNER WITH MAINE AVENUE.

NYSPCS LONG ISLAND ZONE
NAD 83/2011

N: 181513.1129
E: 1079465.2052
NAVD 88 EL: 16.11'

2020 SURVEY CONTROL BASELINE TIE



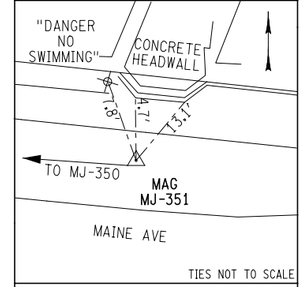
MJ-350

MAG NAIL SET 427' +/- EAST OF THE CONCRETE HEADWALL ON THE SOUTH SIDE OF MAINE AVE.

NYSPCS LONG ISLAND ZONE
NAD 83/2011

N: 181480.1680
E: 1079868.7390
NAVD 88 EL: 17.90'

2020 SURVEY CONTROL BASELINE TIE



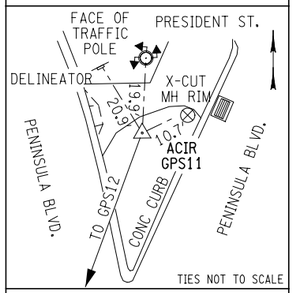
MJ-351

MAG NAIL SET 5.2' +/- SOUTH OF THE CONCRETE HEADWALL ON THE NORTH SIDE OF MAINE AVE.

NYSPCS LONG ISLAND ZONE
NAD 83/2011

N: 181462.1210
E: 1080297.7360
NAVD 88 EL: 10.04'

2020 SURVEY CONTROL BASELINE TIE



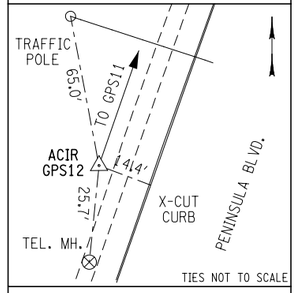
GPS-11

ALUMINUM CAPPED IRON ROD SET IN AN ISLAND 41' +/- SOUTH OF THE INTERSECTION OF PRESIDENT ST. AND PENINSULA BLVD.

NYSPCS LONG ISLAND ZONE
NAD 83/2011

N: 193470.7959
E: 1086818.5762
NAVD 88 EL: 47.72'

2020 SURVEY CONTROL BASELINE TIE



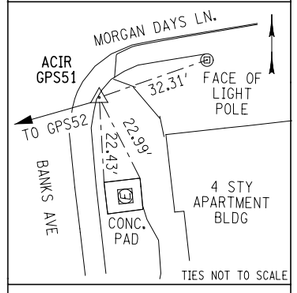
GPS-12

ALUMINUM CAPPED IRON ROD SET ON THE NORTHWEST SIDE OF PENINSULA BLVD. 400' +/- SOUTH OF THE ENTRANCE TO HEMPSTEAD HIGH SCHOOL ON PENINSULA BLVD.

NYSPCS LONG ISLAND ZONE
NAD 83/2011

N: 192496.8955
E: 1086407.3368
NAVD 88 EL: 50.61'

2020 SURVEY CONTROL BASELINE TIE



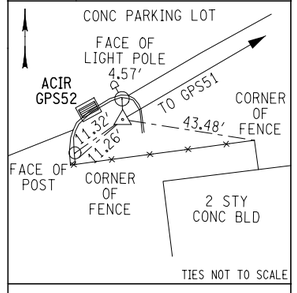
GPS-51

ALUMINUM CAPPED IRON ROD SET 5.8' +/- FROM THE PAVEMENT EDGE ON THE SOUTHEAST CORNER OF BANKS AVE AND MORGAN DAYS LANE

NYSPCS LONG ISLAND ZONE
NAD 83/2011

N: 179867.6273
E: 1081098.4731
NAVD 88 EL: 11.71'

2020 SURVEY CONTROL BASELINE TIE



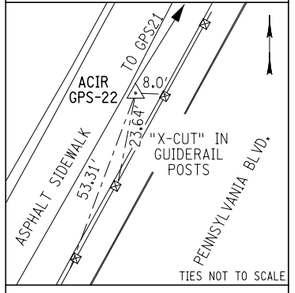
GPS-52

ALUMINUM CAPPED IRON ROD IN LAWN AREA AT WEST END OF NASSAU ST. +/- 5' SOUTH OF PAVEMENT EDGE

NYSPCS LONG ISLAND ZONE
NAD 83/2011

N: 179561.2438
E: 1080660.1522
NAVD 88 EL: 9.98'

2020 SURVEY CONTROL BASELINE TIE



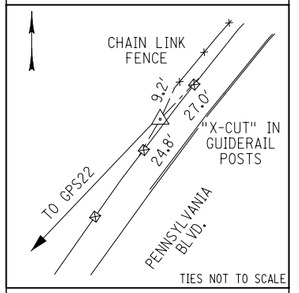
GPS-22

ALUMINUM CAPPED IRON ROD SET ON THE NORTHWEST SIDE OF PENNSYLVANIA BLVD. 860' +/- NORTH OF THE INTERSECTION OF LAKEVIEW AVE. AND PENNSYLVANIA BLVD.

NYSPCS LONG ISLAND ZONE
NAD 83/2011

N: 183106.7803
E: 1081557.8436
NAVD 88 EL: 20.56'

2020 SURVEY CONTROL BASELINE TIE



GPS-21

ALUMINUM CAPPED IRON ROD SET 760' +/- EAST FROM THE INTERSECTION NORTH QUARRY ROAD AND 25' +/- NORTH FROM THE CENTERLINE OF ROUTE 22.

NYSPCS LONG ISLAND ZONE
NAD 83/2011

N: 183852.7861
E: 1081982.8654
NAVD 88 EL: 22.24'

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED
LIVING WITH THE BAY - MILL RIVER GREENWAY				SURVEY PROJECT CONTROL SURVEY BASELINE TIES
TOWN OF HEMPSTEAD				DRAWING NO. BLT-02
COUNTY: NASSAU				SHEET NO. 23

CONTRACT NUMBER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

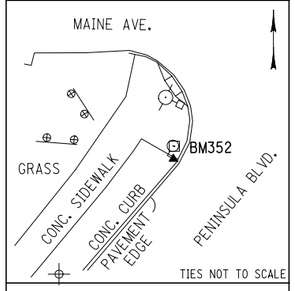
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\mj1150\MJ1150_04 GOSR Mill River Greenway\DGN_Final Design\1150_04_cph_blt_02.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

2020 SURVEY CONTROL
BENCHMARK TIE

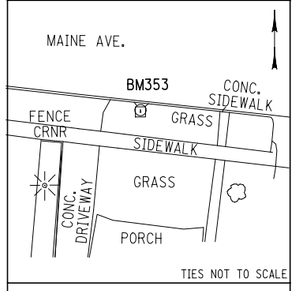


BM-352

X-CUT SET ON A BOLT ON THE NORTHEAST CORNER OF UTILITY POLE ON THE SOUTHWEST CORNER OF MAINE AVE. AND PENINSULA BLVD.

NAVD 88
EL: 12.37′

2020 SURVEY CONTROL
BENCHMARK TIE

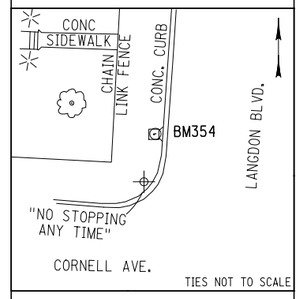


BM-353

X-CUT SET ON BOLT LABELED "MUELLER" ON SOUTH SIDE OF HYDRANT ON SOUTH SIDE OF MAINE AVE. ACROSS THE STREET FROM LAWRENCE AVE.

NAVD 88
EL: 21.82′

2020 SURVEY CONTROL
ENCHMARK TIE

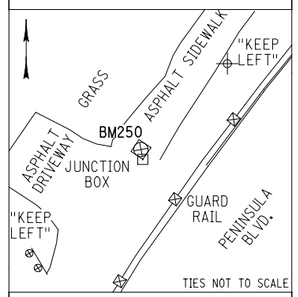


BM-354

X-CUT SET ON BOLT LABELED "MUELLER" ON WEST SIDE OF HYDRANT ON NORTHWEST CORNER OF INTERSECTION OF CORNELL AVE. AND LANGDON BLVD.

NAVD 88
EL: 27.43′

2020 SURVEY CONTROL
BENCHMARK TIE

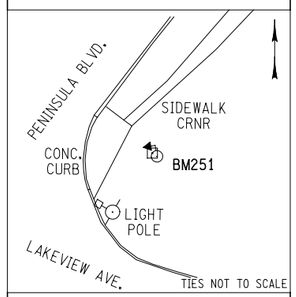


BM-250

X-CUT SET ON RIM OF A UTILITY JUNCTION BOX ON THE NORTHWEST SIDE OF PENINSULA BLVD.

NAVD 88
EL: 21.11′

2020 SURVEY CONTROL
BENCHMARK TIE



BM-251

X-CUT SET AT TOP OF WEST BOLT COVER ON TRAFFIC SIGNAL POLE AT NORTHEAST CORNER OF LAKEVIEW AND PENINSULA

NAVD 88
EL: 17.51′

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN:

BRIDGE

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

SURVEY PROJECT CONTROL
SURVEY BENCHMARK TIES

CONTRACT NUMBER

DRAWING NO. BLT-03
SHEET NO. 24

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road • Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\mjl150\MJ1150.04 GOSR Mill River Greenway\LDGN_Final Design\1150804_cph_blt_03.dgn
DATE/TIME = 6/22/2020
USER = mwalsh

SIDEWALK INSTALLATION ("S" DESIGNATION)

SHEET NO.	DESIGNATION	START STATION	END STATION	SIDE	WIDTH (FT)	LENGTH (FT)
GNP-01	S 1-1	FS 12+22	FS 12+40	RT	4	18
GNP-01	S 1-2	FS 12+88	FS 13+39	RT	4	51
GNP-02	S 2-1	FS 14+83	FS 15+24	RT	4	41
GNP-02	S 2-2	FS 17+32	FS 17+79	RT	4	47
GNP-02	S 2-3	FS 18+30	FS 18+80	RT	4	50
GNP-02	S 2-4	FS 19+85	FS 20+07	RT	4	22
GNP-08	S 8-1	MS 25+31	MS 25+41	LT	4	10
GNP-10	S 10-1	AA 17+06	AA 22+03	LT	4	497
GNP-12	S 12-1	AA 27+98	AA 28+16	LT	4	18
GNP-12	S 12-2	AA 28+87	AA 29+11	LT	4	24
GNP-12	S 12-3	AA 30+62	AA 31+96	LT	4	134
GNP-13	S 13-1	AA 32+41	AA 32+65	LT	4	24
GNP-13	S 13-2	AA 33+41	AA 33+74	LT	4	33
GNP-13	S 13-3	AA 33+89	AA 34+26	LT	4	37
GNP-13	S 13-4	AA 35+97	AA 36+61	LT	4	64
GNP-14	S 14-1	AA 37+88	AA 38+95	LT	4	107
GNP-15	S 15-1	RA 13+38	RA 13+86	LT	4	48
GNP-16	S 16-1	RA 14+93	RA 18+64	LT	4	371
GNP-17	S 17-1	GP 11+73	GP 11+85	RT	4	12
GNP-18	S 18-1	GP 15+27	GP 16+10	RT	4	83
GNP-20	S 20-1	01 11+22	01 14+47	LT	4	325
GNP-21	S 21-1	01 15+08	01 15+72	LT	4	64
GNP-21	S 21-2	MI 10+30	MI 10+70	LT	4	40
GNP-21	S 21-3	MI 11+79	MI 12+23	LT	4	44
GNP-21	S 21-4	MI 13+25	MI 15+20	LT	4	95
GNP-22	S 22-1	MI 15+67	RR 10+77	RT	4	203
GNP-22	S 22-2	N/A	N/A	N/A	5	120
GNP-22	S 22-3	N/A	N/A	N/A	8	16
GNP-24	S 24-1	MR 10+47	MR 10+75	RT	8.5	28
GNP-26	S 26-1	MR 20+42	MR 20+85	RT	8.5	43
GNP-26	S 26-2	MR 21+56	MR 21+77	RT	6.5	21
GNP-29	S 29-1	NA 15+82	NA 16+86	LT	5	104
GNP-29	S 29-2	NA 17+23	NA 19+07	LT	5	184
GNP-30	S 30-1	NA 20+29	NA 21+64	LT	6	135
GNP-32	S 32-1	NS 13+65	NS 13+85	RT	5	20
GNP-32	S 32-2	NS 14+05	NS 14+42	RT	5	37
GNP-32	S 32-3	NS 15+05	NS 15+41	RT	5	36
GNP-34	S 34-1	02 18+49	02 28+78	RT	5	1029
GNP-36	S 36-1	LA 11+41	LA 19+28	RT	4 MIN. / 5 MAX.	787
GNP-38	S 38-1	LA 20+10	LA 23+48	RT	4	338
GNP-39	S 39-1	HS 12+58	HS 13+87	RT	4	129
GNP-39	S 39-2	HE 10+30	HE 12+40	LT	4	210
GNP-40	S 40-1	LB 10+99	LB 11+11	LT	4	12
GNP-40	S 40-2	LB 11+88	LB 11+98	LT	4	10
GNP-40	S 40-3	LB 12+69	LB 13+14	LT	4	45
GNP-40	S 40-4	LB 13+68	LB 15+64	LT	4	196
GNP-41	S 41-1	LB 16+26	LB 16+33	LT	4	7
GNP-41	S 41-2	LB 17+75	LB 18+14	LT	4	39
GNP-41	S 41-3	LB 18+73	LB 19+28	LT	4	55
GNP-42	S 42-1	LB 21+22	LB 24+63	LT	4	341
GNP-42	S 42-2	MA 10+37	MA 11+77	LT	5	140
GNP-44	S 44-1	MA 14+95	MA 22+23	RT	5	728
GNP-46	S 46-1	MA 23+81	P1 21+36	RT	5	954
GNP-47	S 47-1	P1 22+16	P1 39+71	LT	5	1755
GNP-51	S 51-1	P2 10+69	P2 18+48	LT	5	779
GNP-52	S 52-1	P2 19+49	P2 24+84	LT	5	535

BRONZE SIDEWALK PLAQUE MARKERS

STATION	SIDE	STATION	SIDE
MR 9+58	RT	P1 13+26	RT
MR 10+51	RT	P1 13+99	RT
MR 11+25	RT	P1 14+74	RT
MR 11+94	RT	P1 15+49	RT
MR 12+76	RT	P1 16+24	RT
MR 13+50	RT	P1 16+99	RT
MR 14+24	RT	P1 17+74	RT
MR 14+99	RT	P1 18+49	RT
MR 15+73	RT	P1 19+29	RT
MR 18+24	RT	P1 20+08	RT
SH 11+67	LT	P1 20+88	RT
SH 12+42	LT	P1 22+96	LT
SH 13+17	LT	P1 23+71	LT
SH 15+97	RT	P1 24+45	LT
NA 14+20	LT	P1 25+21	LT
NA 20+40	RT	P1 25+96	LT
NA 21+15	RT	P1 26+71	LT
MD 10+69	LT	P1 27+46	LT
MD 11+44	LT	P1 28+22	LT
MD 12+19	LT	P1 28+98	LT
MD 12+94	LT	P1 29+73	LT
NS 11+04	RT	P1 30+49	LT
NS 11+79	RT	P1 31+24	LT
NS 12+54	RT	P1 31+99	LT
02 12+47	RT	P1 32+74	LT
02 14+67	RT	P1 33+49	LT
02 15+42	RT	P1 34+34	LT
02 16+17	RT	P1 34+99	LT
02 19+19	RT	P1 35+74	LT
02 19+94	RT	P1 36+49	LT
02 20+68	RT	P1 37+24	LT
02 21+45	RT	P1 37+99	LT
02 22+21	RT	P1 38+72	LT
02 22+98	RT	P2 11+52	LT
02 23+74	RT	P2 12+26	LT
02 24+50	RT	P2 13+01	LT
02 25+26	RT	P2 13+76	LT
02 26+01	RT	P2 14+51	LT
02 26+76	RT	P2 15+25	LT
02 27+51	RT	P2 16+00	LT
02 28+26	RT	P2 16+75	LT
LA 12+19	RT	P2 17+50	LT
LA 12+93	RT	P2 18+24	LT
LA 13+67	RT	P2 20+27	LT
LA 14+43	RT	P2 21+01	LT
LA 15+18	RT	P2 21+77	LT
LA 15+90	RT	P2 22+52	LT
LA 16+63	RT	P2 23+27	LT
LA 17+35	RT	P2 24+02	LT
LA 18+08	RT		
LA 18+85	RT		
LA 20+91	RT		
LA 21+69	RT		
LA 22+44	RT		
LA 23+19	RT		
MA 15+72	RT		
MA 16+47	RT		
MA 17+22	RT		
MA 17+96	RT		
MA 18+71	RT		
MA 19+46	RT		
MA 20+21	RT		
MA 20+96	RT		
MA 21+71	RT		
P1 12+56	RT		

CURB RAMP NOTES:

1. REFER TO DWG. NO. MSD-03 FOR BRONZE SIDEWALK PATH MARKER DETAIL.

CURB RAMP INSTALLATION ("R" DESIGNATION) - SEE NOTES THIS PAGE

SHEET NO.	DESIGNATION	STATION	SIDE	SHEET NO.	DESIGNATION	STATION	SIDE
GNP-01	R 1-1	FS 10+34	RT	GNP-26	R 26-7	NA 10+92	RT
GNP-01	R 1-2	FS 12+49	RT	GNP-26	R 26-8	NA 11+24	RT
GNP-01	R 1-3	FS 12+77	RT	GNP-26	R 26-9	NA 12+06	RT
GNP-01	R 1-4	FS 14+27	RT	GNP-26	R 26-10	NA 13+02	RT
GNP-01	R 1-5	FS 14+72	RT	GNP-26	R 26-11	NA 13+06	LT
GNP-01	R 1-6	FS 10+21	LT	GNP-26	R 26-12	SH 10+84	LT
GNP-02	R 2-1	FS 16+76	RT	GNP-27	R 27-1	SH 14+27	LT
GNP-02	R 2-2	FS 17+22	RT	GNP-27	R 27-2	SH 14+93	LT
GNP-04	R 4-1	FS 28+69	RT	GNP-27	R 27-3	SH 14+95	RT
GNP-04	R 4-2	FS 28+78	LT	GNP-28	R 28-1	SH 16+91	RT
GNP-05	R 5-1	FS 29+26	LT	GNP-28	R 28-2	SH 17+15	RT
GNP-06	R 6-1	MS 15+62	LT	GNP-28	R 28-3	SH 17+95	RT
GNP-06	R 6-2	MS 15+99	LT	GNP-28	R 28-4	SH 18+42	RT
GNP-07	R 7-1	MS 21+59	LT	GNP-29	R 29-1	NA 15+35	LT
GNP-08	R 8-1	MS 22+03	LT	GNP-29	R 29-2	NA 15+74	LT
GNP-08	R 8-2	MS 24+70	LT	GNP-29	R 29-3	NA 16+94	LT
GNP-08	R 8-3	MS 25+14	LT	GNP-29	R 29-4	NA 17+15	LT
GNP-08	R 8-4	MS 26+40	LT	GNP-29	R 29-5	NA 19+16	LT
GNP-08	R 8-5	AA 10+43	LT	GNP-30	R 30-1	NA 19+51	LT
GNP-10	R 10-1	AA 16+68	LT	GNP-31	R 31-1	BA 11+66	LT
GNP-10	R 10-2	AA 17+08	LT	GNP-31	R 31-2	NS 10+17	RT
GNP-11	R 11-1	AA 22+12	LT	GNP-32	R 32-1	NS 13+19	RT
GNP-11	R 11-2	AA 22+55	LT	GNP-32	R 32-2	NS 13+63	RT
GNP-12	R 12-1	AA 26+39	LT	GNP-32	R 32-3	NS 13+96	RT
GNP-12	R 12-2	AA 26+84	LT	GNP-32	R 32-4	NS 14+53	RT
GNP-13	R 13-1	AA 35+40	LT	GNP-32	R 32-5	NS 14+97	RT
GNP-13	R 13-2	AA 35+84	LT	GNP-33	R 33-1	02 11+45	RT
GNP-14	R 14-1	AA 39+02	LT	GNP-33	R 33-2	02 13+38	RT
GNP-14	R 14-2	AA 39+47	LT	GNP-33	R 33-3	02 13+84	RT
GNP-15	R 15-1	AA 41+81	LT	GNP-36	R 36-1	02 28+90	RT
GNP-15	R 15-2	RA 10+32	LT	GNP-38	R 38-1	LA 19+24	LT
GNP-16	R 16-1	RA 14+33	LT	GNP-38	R 38-2	LA 19+37	RT
GNP-16	R 16-2	RA 14+83	LT	GNP-38	R 38-3	LA 19+53	RT
GNP-17	R 17-1	RA 18+75	LT	GNP-38	R 38-4	LA 20+00	RT
GNP-17	R 17-2	GP 10+69	RT	GNP-39	R 39-1	HS 13+96	RT
GNP-18	R 18-1	GP 14+77	RT	GNP-39	R 39-2	HS 14+02	LT
GNP-18	R 18-2	GP 15+18	RT	GNP-40	R 40-1	LA 23+61	RT
GNP-18	R 18-3	GP 18+85	RT	GNP-40	R 40-2	LA 24+29	RT
GNP-18	R 18-4	GP 18+85	LT	GNP-40	R 40-3	LB 13+24	LT
GNP-21	R 21-1	01 14+57	LT	GNP-40	R 40-4	LB 13+61	LT
GNP-21	R 21-2	01 15+00	LT	GNP-41	R 41-1	LB 15+73	LT
GNP-21	R 21-3	01 15+81	LT	GNP-41	R 41-2	LB 16+16	LT
GNP-21	R 21-4	MI 10+20	LT	GNP-41	R 41-3	LB 18+23	LT
GNP-21	R 21-5	MI 12+84	LT	GNP-41	R 41-4	LB 18+65	LT
GNP-21	R 21-6	MI 13+17	LT	GNP-41	R 41-5	LB 20+72	LT
GNP-22	R 22-1	MI 15+23	LT	GNP-42	R 42-1	LB 21+14	LT
GNP-22	R 22-2	MI 15+58	LT	GNP-42	R 42-2	LB 24+73	LT
GNP-22	R 22-3	RR 11+50	LT	GNP-42	R 42-3	LB 25+17	RT
GNP-22	R 22-4	RR 11+50	RT	GNP-42	R 42-4	MA 11+80	LT
GNP-25	R 25-1	MR 16+40	RT	GNP-42	R 42-5	MA 10+35	LT
GNP-25	R 25-2	MR 16+84	RT	GNP-45	R 45-1	MA 22+31	RT
GNP-25	R 25-3	MR 19+90	RT	GNP-45	R 45-2	MA 23+33	RT
GNP-26	R 26-1	MR 20+32	RT	GNP-46	R 46-1	MA 23+69	LT
GNP-26	R 26-2	MR 20+95	RT	GNP-47	R 47-1	P1 21+49	RT
GNP-26	R 26-3	MR 21+46	RT	GNP-47	R 47-2	P1 21+51	LT
GNP-26	R 26-4	MR 21+85	RT	GNP-47	R 47-3	P1 22+11	LT
GNP-26	R 26-5	NA 9+86	RT	GNP-52	R 52-1	P2 18+58	LT
GNP-26	R 26-6	NA 10+75	RT	GNP-52	R 52-2	P2 19+39	LT

CURB RAMP NOTES:

1. ALL CURB RAMPS SHALL BE COLORED AND STAMPED CONCRETE.
   A. STAMP PATTERN: FOREST FLOOR, BY DECOCRETE (OR APPROVED EQUAL)
   B. CONCRETE COLOR: HOUSEPLANT GREEN, BY: BRICKFORM (OR APPROVED EQUAL)
2. COST TO COLOR AND STAMP THE CONCRETE IS INCLUDED IN ITEM 28MCR.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING

ALTERED BY:
ON:

PERMIT SET SUBMISSION
NOT FOR CONSTRUCTION

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY

TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN:

BRIDGE

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

CONTRACT NUMBER

MISCELLANEOUS TABLES

DRAWING NO. MST-01

SHEET NO. 25

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE | CHECK C. SWAYNE

FILE NAME = F:\nj\11580\MJ11580.04 GOSR Mill River Greenway\DGN_Final Design\11580l4_cph_mst_01.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

CROSSWALK INSTALLATION ("C" DESIGNATION)			
SHEET NO.	DESIGNATION	STATION	SIDE
GNP-01	C 1-1	FS 12+63	RT
GNP-01	C 1-2	FS 14+49	RT
GNP-01	C 1-3	FS 10+24	-
GNP-02	C 2-1	FS 16+99	RT
GNP-04	C 4-1	FS 28+76	-
GNP-04	C 4-2	FS 29+05	LT
GNP-06	C 6-1	MS 15+79	LT
GNP-07	C 7-1	MS 21+78	LT
GNP-08	C 8-1	MS 24+91	LT
GNP-08	C 8-2	MS 26+38	-
GNP-10	C 10-1	AA 16+87	LT
GNP-11	C 11-1	AA 22+32	LT
GNP-12	C 12-1	AA 26+60	LT
GNP-13	C 13-1	AA 35+62	LT
GNP-14	C 14-1	AA 39+22	LT
GNP-15	C 15-1	AA 41+75	-
GNP-16	C 16-1	RA 14+56	LT
GNP-17	C 17-1	RA 18+81	-
GNP-18	C 18-1	GP 14+96	RT
GNP-18	C 18-2	GP 18+88	-
GNP-21	C 21-1	O1 14+79	LT
GNP-21	C 21-2	O1 15+83	-
GNP-21	C 21-3	MI 13+01	LT
GNP-22	C 22-1	MI 15+41	LT
GNP-22	C 22-2	RR 11+47	-
GNP-25	C 25-1	MR 16+62	RT
GNP-25	C 25-2	MR 20+12	RT
GNP-26	C 26-1	MR 21+22	RT
GNP-26	C 26-2	NA 10+09	RT
GNP-26	C 26-3	NA 10+32	RT
GNP-26	C 26-4	NA 12+55	RT
GNP-26	C 26-5	NA 13+07	-
GNP-27	C 27-1	SH 14+61	RT
GNP-27	C 27-2	SH 14+96	-
GNP-29	C 29-1	NA 15+54	LT
GNP-31	C 31-1	BA 11+69	-
GNP-32	C 32-1	NS 13+40	RT
GNP-38	C 38-1	LA 19+29	-
GNP-38	C 38-2	LA 19+80	RT
GNP-39	C 39-1	HS 13+99	-
GNP-40	C 40-1	LA 23+96	RT
GNP-40	C 40-2	LB 13+45	LT
GNP-41	C 41-1	LB 15+94	LT
GNP-41	C 41-2	LB 18+44	LT
GNP-41	C 41-3	LB 20+90	LT
GNP-42	C 42-1	LB 24+97	LT
GNP-42	C 42-2	LB 24+70	-
GNP-45	C 45-1	MA 22+74	RT
GNP-45	C 45-2	MA 23+48	-
GNP-47	C 47-1	P1 21+52	-
GNP-47	C 47-2	P1 21+86	LT

BIOSWALE INSTALLATION ("B" DESIGNATION)					
SHEET NO.	DESIGNATION	START STATION	END STATION	SIDE	LENGTH
GNP-31	B 31-1	NS 10+37	NS 10+55	RT	18
GNP-31	B 31-2	MS 10+59	NS 10+82	RT	22
GNP-31	B 31-3	NS 10+91	NS 11+04	RT	13
GNP-31	B 31-4	NS 11+09	NS 11+35	RT	26
GNP-31	B 31-5	NS 11+44	NS 11+54	RT	10
GNP-31	B 31-6	NS 11+58	NS 11+85	RT	26
GNP-31	B 31-7	NS 11+94	NS 12+04	RT	10
GNP-31	B 31-8	NS 12+08	NS 12+29	RT	21
GNP-31	B 31-9	NS 12+38	NS 12+54	RT	15
GNP-31	B 31-10	NS 12+58	NS 12+82	RT	24
GNP-32	B 32-1	NS 12+91	NS 13+07	RT	15
GNP-42	B 42-1	MA 11+32	MA 11+72	LT	40
GNP-42	B 42-2	MA 10+43	MA 11+02	LT	59
GNP-44	B 44-1	MA 16+13	MA 17+52	RT	140
GNP-45	B 45-1	MA 20+63	MA 22+21	RT	160

POLLINATOR GARDEN INSTALLATION ("P" DESIGNATION)					
SHEET NO.	DESIGNATION	START STATION	END STATION	SIDE	LENGTH
GNP-22	P 22-1	MI 18+00	MI 18+29	LT	29
GNP-22	P 22-2	MI 18+02	MI 19+33	-	365
GNP-23	P 23-1	-	-	-	86
GNP-23	P 23-2	-	-	-	503
GNP-24	P 24-1	MR 12+50	MR 16+27	RT	383
GNP-30	P 30-1	MD 10+66	MD 13+03	LT	237
GNP-40	P 40-1	LB 11+40	LB 12+83	-	144
GNP-40	P 40-2	LB 14+04	LB 15+33	-	130
GNP-41	P 41-1	LB 16+54	LB 17+82	-	130
GNP-41	P 41-2	LB 19+04	LB 20+33	-	130
GNP-42	P 42-1	LB 21+54	LB 24+33	-	280
GNP-42	P 42-2	LB 25+55	LB 27+99	-	245
GNP-50	P 50-1	P1 39+26	P1 38+99	-	88
GNP-51	P 51-1	P2 10+74	P2 16+18	LT	545
GNP-52	P 52-1	P2 16+30	P2 18+56	LT	220
GNP-52	P 52-2	P2 19+39	P2 23+92	LT	445

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE | CHECK C. SWAYNE

FILE NAME = F:\mj\1150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\1150.04_cph_mst_02.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN:

BRIDGE

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

MISCELLANEOUS TABLES

CONTRACT NUMBER

DRAWING NO. MST-02

SHEET NO. 26

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

BENCH SCHEDULE

MODEL NO.: WDB2-8-RP (OR APPROVED EQUAL)
DESCRIPTION: WALDEN II BENCH, RECYCLED PLASTIC

SEAT MATERIAL: RECYCLED PLASTIC WEATHERED REDWOOD
INSTALLATION METHOD: SURFACE MOUNT
METAL FINISH: LEXINGTON GREEN POWDER-COATED ESTEELE

NOTE: SEE DWG. MSD-01 FOR BENCH DETAIL AND GNP DRAWINGS FOR LOCATIONS.

SHEET NO.	STATION	SIDE	QUANTITY	DESCRIPTION
GNP-22	MI 18+42	LT	1	BLIGH FIELD
GNP-22	MI 18+63	LT	1	BLIGH FIELD
GNP-22	MI 18+76	LT	1	BLIGH FIELD
GNP-22	MI 18+96	LT	1	BLIGH FIELD
GNP-32	NS 15+38	RT	1	SMITH POND
GNP-32	NS 15+37	RT	1	SMITH POND
GNP-48	P1 25+36	LT	1	ALONG PENINSULA BOULEVARD
GNP-49	P1 30+18	LT	1	ALONG PENINSULA BOULEVARD
GNP-49	P1 34+51	LT	1	ALONG PENINSULA BOULEVARD
GNP-50	P1 39+19	LT	1	HEMPSTEAD LAKE STATE PARK
GNP-50	P1 39+24	LT	1	HEMPSTEAD LAKE STATE PARK
GNP-50	P1 39+27	LT	1	HEMPSTEAD LAKE STATE PARK
GNP-54	MP 10+14	LT	1	MORGAN DAYS PARK
GNP-54	MP 10+32	LT	1	MORGAN DAYS PARK
		TOTAL	14	

CHECKERS TABLE SCHEDULE

MODEL NO.: T71002 (OR APPROVED EQUAL)
DESCRIPTION: SQUARE PEDESTAL TABLE SET WITH TWO STOOLS AND CHECKBOARD TABLE ACCESSORY (MODEL NO. T6060)

STANDARD FINISH: SB6
INSTALLATION METHOD: ANCHORED

NOTE: SEE DWG. MSD-03 FOR CHECKERS TABLE DETAIL AND GNP DRAWINGS FOR LOCATIONS.

SHEET NO.	STATION	SIDE	QUANTITY	DESCRIPTION
GNP-54	MP 11+84	LT	1	MORGAN DAYS PARK
		TOTAL	1	

DOMINOES TABLE SCHEDULE

MODEL NO.: T7102D (OR APPROVED EQUAL)
DESCRIPTION: SQUARE PEDESTAL TABLE SET WITH TWO STOOLS AND DOMINOES TABLE TOP

STANDARD FINISH: SB6
INSTALLATION METHOD: ANCHORED

NOTE: SEE DWG. MSD-03 FOR DOMINOES TABLE DETAIL AND GNP DRAWINGS FOR LOCATIONS.

SHEET NO.	STATION	SIDE	QUANTITY	DESCRIPTION
GNP-54	MP 11+83	LT	1	MORGAN DAYS PARK
		TOTAL	1	

BICYCLE RACK SCHEDULE

MODEL NO.: HW23338-7-IG(SF) (OR APPROVED EQUAL)
DESCRIPTION: HEAVY DUTY WINDER BIKE RACK, 7 BIKE CAPACITY

INSTALLATION METHOD: SURFACE MOUNT
METAL FINISH: LEXINGTON GREEN POWDER-COATE

NOTE: SEE DWG. MSD-03 FOR BICYCLE RACK DETAIL AND GNP DRAWINGS FOR LOCATIONS.

SHEET NO.	STATION	SIDE	QUANTITY	DESCRIPTION
GNP-22	MI 18+23	LT	1	BLIGH FIELD
GNP-32	NS 15+31	RT	1	SMITH POND
GNP-50	P1 39+25	LT	1	HEMSPTEAD LAKE STATE PARK
GNP-50	P1 39+30	LT	1	HEMSPTEAD LAKE STATE PARK
GNP-54	MP 10+56	LT	1	MORGAN DAYS PARK
		TOTAL	5	

GRILL SCHEDULE

ITEM NO.: 398-1028 (OR APPROVED EQUAL)
DESCRIPTION: 1008 SQ. BI-LEVEL GROUP GRILL WITH UTILITY SHELF

INSTALLATION METHOD: SURFACE MOUNT

NOTE: SEE DWG. MSD-01 FOR GRILL DETAIL AND GNP DRAWINGS FOR LOCATIONS.

SHEET NO.	STATION	SIDE	QUANTITY	DESCRIPTION
GNP-54	MP 10+99	LT	1	MORGAN DAYS PARK
GNP-54	MP 11+16	LT	1	MORGAN DAYS PARK
GNP-54	MP 11+33	LT	1	MORGAN DAYS PARK
GNP-54	MP 11+50	LT	1	MORGAN DAYS PARK
		TOTAL	4	

LIGHT SCHEDULE

DESCRIPTION: URB FIXTURE (OR APPROVED EQUAL)

METAL FINISH: GREEN

NOTE: SEE DWG. MSD-02 FOR GRILL DETAIL AND GNP DRAWINGS FOR LOCATIONS.

SHEET NO.	STATION	SIDE	QUANTITY	DESCRIPTION
GNP-22	MI 18+00	LT	1	BLIGH FIELD
GNP-22	MI 18+50	LT	1	BLIGH FIELD
GNP-22	MI 19+10	LT	1	BLIGH FIELD
GNP-32	NS 15+00	RT	1	SMITH POND
GNP-32	NS 15+34	RT	1	SMITH POND
GNP-44	MA 15+44	RT	1	MAINE AVENUE
GNP-44	MA 16+43	RT	1	MAINE AVENUE
GNP-44	MA 17+67	RT	1	MAINE AVENUE
GNP-44	MA 18+43	RT	1	MAINE AVENUE
GNP-45	MA 19+43	RT	1	MAINE AVENUE
GNP-45	MA 20+43	RT	1	MAINE AVENUE
GNP-45	MA 21+44	RT	1	MAINE AVENUE
GNP-45	MA 22+26	RT	1	MAINE AVENUE
GNP-54	MP 10+00	LT	1	MORGAN DAYS PARK
GNP-54	MP 10+67	LT	1	MORGAN DAYS PARK
GNP-54	MP 11+29	LT	1	MORGAN DAYS PARK
GNP-54	MP 11+95	LT	1	MORGAN DAYS PARK
		TOTAL	17	

PICNIC TABLE SCHEDULE

MODEL NO.: WDTP-8HCS (OR APPROVED EQUAL)
DESCRIPTION: WALDEN HANDICAP PICNIC TABLE - 8 FT TOP, 6 FT SEATS

SEAT MATERIAL: RECYCLED PLASTIC WEATHERED REDWOOD
INSTALLATION METHOD: SURFACE MOUNT
METAL FINISH: LEXINGTON GREEN POWDER-COATED ESTEELE

NOTE: SEE DWG. MSD-02 FOR PICNIC TABLE DETAIL AND GNP DRAWINGS FOR LOCATIONS.

SHEET NO.	STATION	SIDE	QUANTITY	DESCRIPTION
GNP-22	MI 18+52	LT	1	BLIGH FIELD
GNP-22	MI 18+85	LT	1	BLIGH FIELD
GNP-50	P1 39+09	LT	1	HEMPSTEAD LAKE STATE PARK
GNP-50	P1 39+11	LT	1	HEMPSTEAD LAKE STATE PARK
GNP-50	P1 39+12	LT	1	HEMPSTEAD LAKE STATE PARK
GNP-54	MP 11+00	LT	1	MORGAN DAYS PARK
GNP-54	MP 11+19	LT	1	MORGAN DAYS PARK
GNP-54	MP 11+34	LT	1	MORGAN DAYS PARK
GNP-54	MP 11+51	LT	1	MORGAN DAYS PARK
		TOTAL	9	

TRASH RECEPTACLE SCHEDULE

MODEL NO.: WDTR-332 (OR APPROVED EQUAL)
DESCRIPTION: WALDEN TRASH RECEPTACLE 32 GAL.

OUTISDE MATERIAL: RECYCLED PLASTIC WEATHERED REDWOOD
INSTALLATION METHOD: SURFACE MOUNT
METAL FINISH: LEXINGTON GREEN POWDER-COATED ESTEELE
LID: FLAT LID

NOTE: SEE DWG. MSD-02 FOR TRASH RECEPTACLE DETAIL AND GNP DRAWINGS FOR LOCATIONS.

SHEET NO.	STATION	SIDE	QUANTITY	DESCRIPTION
GNP-22	MI 18+70	LT	1	BLIGH FIELD
GNP-32	NS 15+25	RT	1	SMITH POND
GNP-48	P1 25+27	LT	1	ALONG PENINSULA BOULEVARD
GNP-49	P1 30+09	LT	1	ALONG PENINSULA BOULEVARD
GNP-49	P1 34+42	LT	1	ALONG PENINSULA BOULEVARD
GNP-50	P1 39+19	LT	1	HEMSPTEAD LAKE STATE PARK
GNP-50	P1 39+23	LT	1	HEMSPTEAD LAKE STATE PARK
GNP-54	MP 10+06	LT	1	MORGAN DAYS PARK
GNP-54	MP 11+08	LT	1	MORGAN DAYS PARK
GNP-54	MP 11+25	LT	1	MORGAN DAYS PARK
GNP-54	MP 11+42	LT	1	MORGAN DAYS PARK
		TOTAL	11	

GREENWAY PATH LOCATIONS

START STATION	END STATION
FS 10+25	MI 19+23
MR 9+46	NS 15+41
SH 10+46	SH 18+45
02 11+39	P1 39+67
HE 10+30	HS 10+57
P2 10+69	P2 24+82

PREPARED BY: MJ ENGINEERING & LAND SURVEYING

ALTERED BY:
ON:

PERMIT SET SUBMISSION
NOT FOR CONSTRUCTION

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN:

BRIDGE

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

MISCELLANEOUS TABLES

CONTRACT NUMBER

DRAWING NO. MST-03
SHEET NO. 27

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

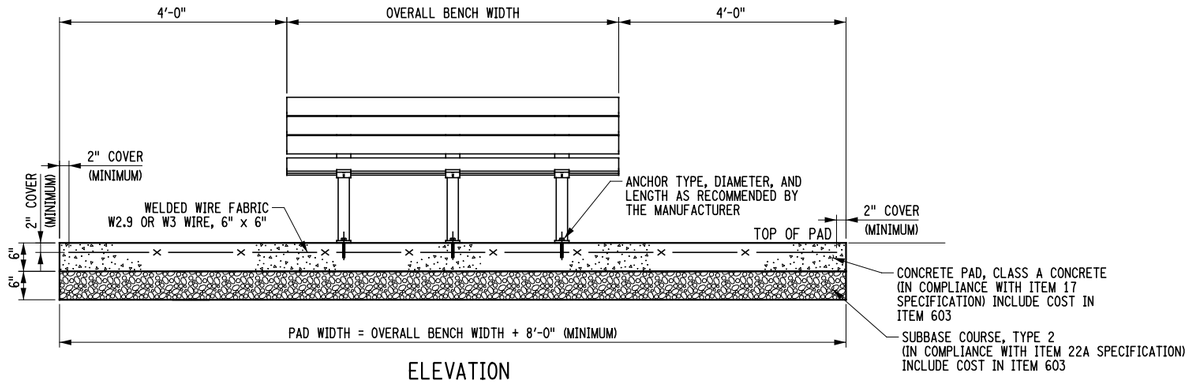
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

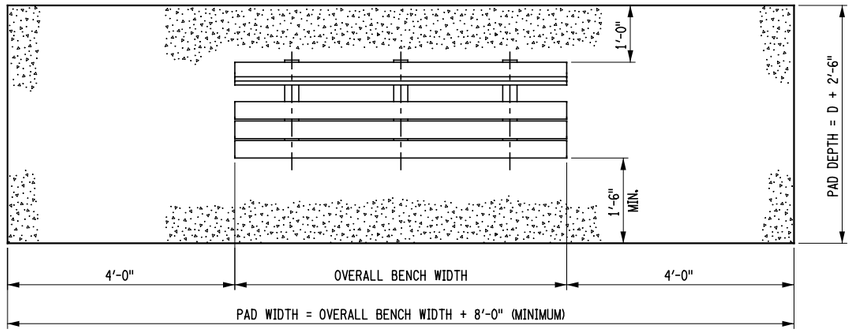
Living with the BAY

PROJECT MANAGER C. SWAYNE
CHECK C. SWAYNE
DRAFTING M. WALSH
CHECK C. SWAYNE
DESIGN M. WALSH
JOB MANAGER B. COOPER
DESIGN SUPERVISOR M. PANICHELLI

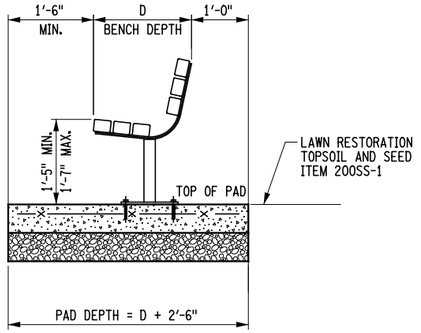
FILE NAME = F:\mj1150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\1150.04_cph_mst_03.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



ELEVATION



PLAN



SIDE ELEVATION

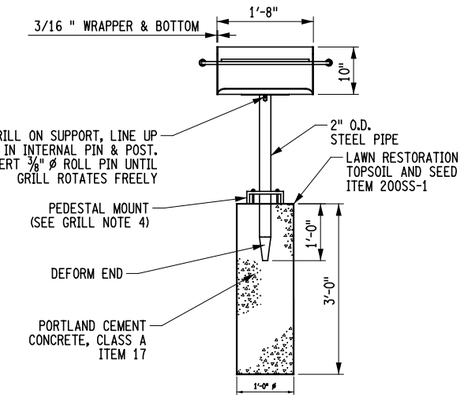
BENCH NOTES:

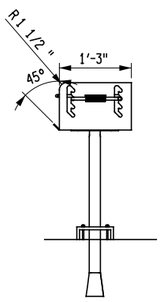
1. THE ELEVATION OF THE TOP OF THE CONCRETE PAD SHALL MATCH THE SURROUNDING SURFACE. (GROUND, PAVERS, WALKWAY, ETC.)
2. THE ENTIRE CONCRETE PAD SHALL BE PLACED IN ONE POUR.
3. THE BENCH FRAME SHALL BE POWDER COATED GREEN, UNLESS OTHERWISE SPECIFIED IN THE PLANS.
4. THE BENCH MODEL CHOSEN SHALL HAVE A MINUMUM 50-YEAR DESIGN LIFE.
5. INCLUDE COST FOR FASTENERS AND INSTALLATION UNDER THE APPLICABLE BENCH ITEM NUMBER. ALSO INCLUDE CONCRETE REINFORCEMENT, PAD, EXCAVATION, AND SUBBASE MATERIAL FOR ITEM 603.
6. SEE DWG. NO. MST-03 FOR BENCH SCHEDULE.

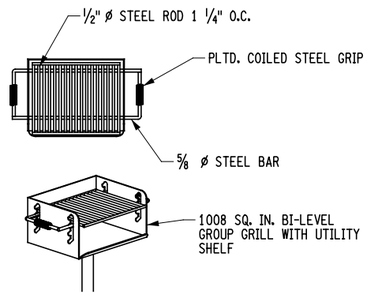
(1) ADA COMPLIANT BENCH

ITEM 603 - BENCHS
SCALE: 3/4" = 1'-0"

THOMAS STEELE
PRODUCT: WDB2-L-RP
DESCRIPTION: WALDEN II BENCH, RECYCLED PLASTIC (OR APPROVED EQUAL)







GRILL NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. GRILL FINISHED W/ HEAT RESISTANT BLACK ENAMEL.
3. CONC. FOOTINGS FOR PARK GRILL TO BE INCLUDED IN BID PRICE.
4. PEDESTAL MOUNT WHERE SPECIFIED.
5. SEE DWG. NO. MST-03 FOR GRILL SCHEDULE.

(2) GRILL

ITEM XXX - GRILL
SCALE: 3/4" = 1'-0"

thepart
ITEM NO: 398-1027
DESCRIPTION: 1008 SQ. IN. BI-LEVEL GROUP GRILL WITH UTILITY SHELF (OR APPROVED EQUAL)

NOTE:
SEE DWG. NO. MST-03 FOR AMENITY SCHEDULES.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:					
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION						
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	LIVING WITH THE BAY - MILL RIVER GREENWAY					
					MISCELLANEOUS DETAILS	DRAWING NO. MSD-01
	TOWN OF HEMPSTEAD					SHEET NO. 28
	COUNTY: NASSAU					

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

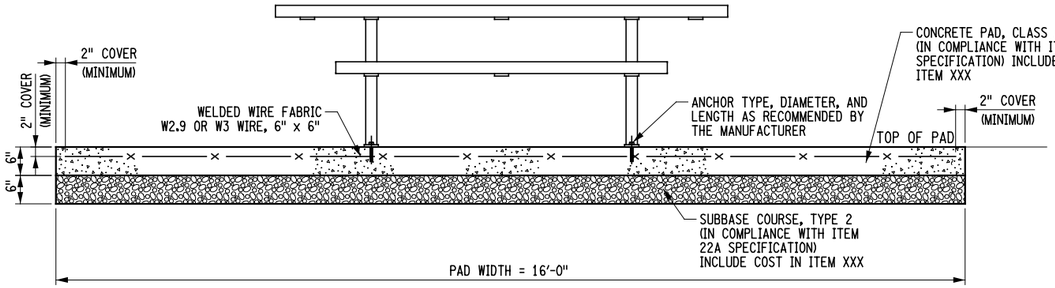
Engineering and Land Surveying, P.C.
1533 Crescent Road • Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

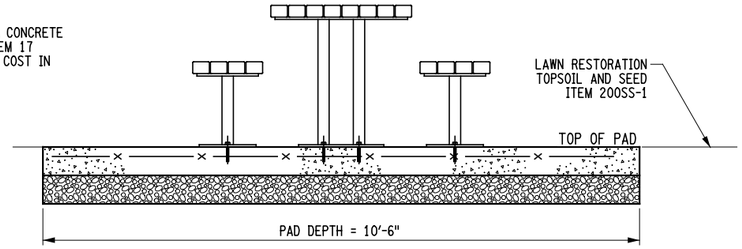
Living BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

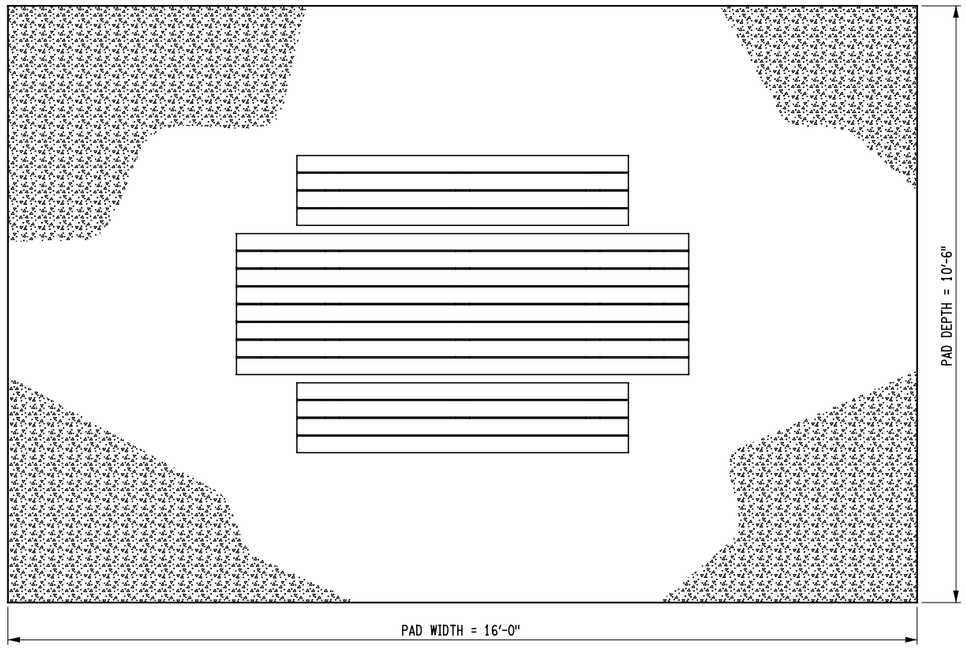
FILE NAME = F:\mjl150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\1150804_cph_msd_01.dgn
DATE/TIME = 6/22/2020
USER = mwalsh



ELEVATION



SIDE ELEVATION



PLAN

(1) ADA COMPLIANT PICNIC TABLE

ITEM XXX - PICNIC TABLE
SCALE: 3/4" = 1'-0"

THOMAS STEELE PRODUCT: WDTP-8HC-WI-SF(IG)
DESCRIPTION: WALDEN HANDICAP PICNIC TABLE
(OR APPROVED EQUAL)

PICNIC TABLE NOTES:

1. INCLUDE COST FOR EXCAVATION, SUBBASE, CONCRETE, FASTENERS AND INSTALLATION UNDER THE APPLICABLE PICNIC TABLE ITEM NUMBER.
2. THE PICNIC TABLE SHALL BE CENTERED ON THE CONCRETE PAD.
3. SEE DWG. NO. MST-03 FOR PICNIC TABLE SCHEDULE.

TRASH RECEPTACLE NOTES:

1. INCLUDE COST FOR EXCAVATION, SUBBASE, CONCRETE, FASTENERS AND INSTALLATION UNDER TRASH RECEPTACLE ITEM 603SS-1.
2. INSTALL PER MANUFACTUER'S SPECIFICATIONS.
3. SEE DWG. NO. MST-03 FOR TRASH RECEPTACLE SCHEDULE.

THOMAS STEELE PRODUCT: WDTR-32
DESCRIPTION: WALDEN TRASH RECEPTACLE 32 GAL.
(OR APPROVED EQUAL)

(2) TRASH RECEPTACLE

ITEM 603SS-1 - TRASH RECEPTACLES
SCALE: 3/4" = 1'-0"

EXAMPLE ORNAMENTAL LIGHT FIXTURE PHOTO

STREET LIGHT NOTES:

1. INCLUDE COST FOR FASTENERS, CONCRETE AND SUBBASE UNDER ITEM E-SL. LIGHT TO BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.
2. SEE DWG. NO. MST-03 FOR LIGHT SCHEDULE.

SEPCO PRODUCT DESCRIPTION: URB FIXTURE
FINISH: GREEN
(OR APPROVED EQUAL)

(3) ORNAMENTAL SOLAR STREET LIGHT

ITEM E-SL - STREET LIGHTING
SCALE: 3/8" = 1'-0"

NOTE:
SEE DWG. NO. MST-03 FOR AMENITY SCHEDULES.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:					
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION						
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	LIVING WITH THE BAY - MILL RIVER GREENWAY				MISCELLANEOUS DETAILS	
	TOWN OF HEMPSTEAD					DRAWING NO. MSD-02
	COUNTY: NASSAU					SHEET NO. 29

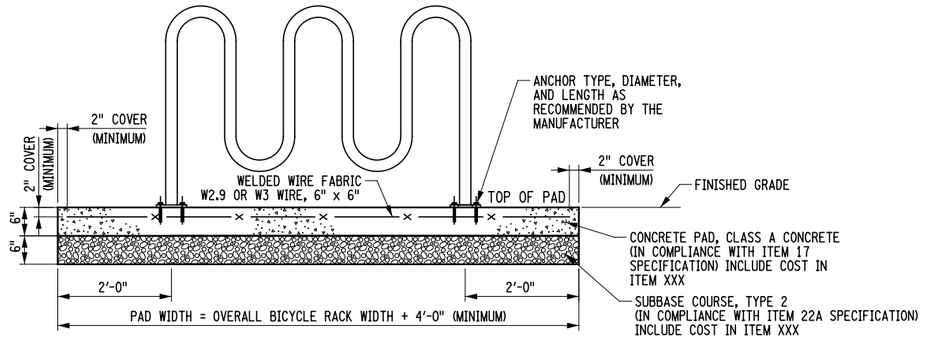
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

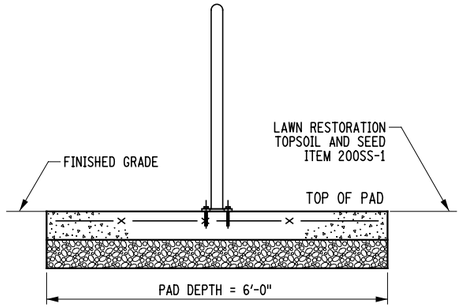
GOVERNOR'S OFFICE OF STORM RECOVERY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | CHECK C. SWAYNE | DRAFTING M. WALSH | PROJECT MANAGER C. SWAYNE

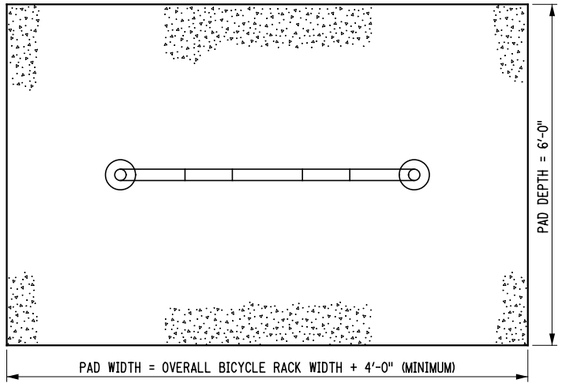
FILE NAME = F:\nj\1150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\1150004_oph_msd_02.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



BICYCLE RACK ELEVATION



BICYCLE RACK ELEVATION



BICYCLE RACK PLAN

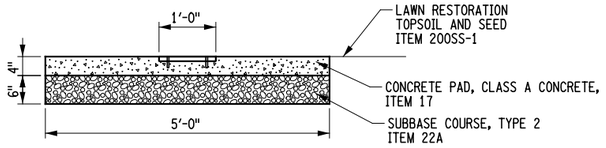
1 BICYCLE RACK

ITEM XXX - BICYCLE RACK
SCALE: 3/4" = 1'-0"

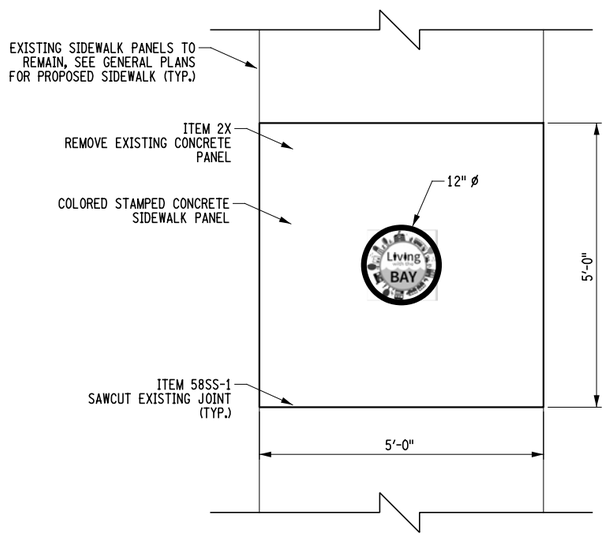
MADRAX
PRODUCT: HW238-7-IG(SF)
DESCRIPTION: HEAVY DUTY WINDER BIKE RACK, 7 BIKES (OR APPROVED EQUAL)

BICYCLE RACK NOTES:

1. INCLUDE COST FOR EXCAVATION, SUBBASE, CONCRETE, FASTENERS AND INSTALLATION UNDER THE APPLICABLE BIKE RACK ITEM NUMBER.
2. THE BICYCLE RACK SHALL BE CENTERED ON THE CONCRETE PAD.
3. SEE DWG. NO. MST-03 FOR BICYCLE RACK SCHEDULE.



SIDEWALK PATH MARKER ELEVATION



SIDEWALK PATH MARKER PLAN

SIDEWALK PATH MARKER NOTES:

1. 12" DIAMETER MARKERS SHALL BE MADE OF BRONZE AND SET FLUSH INTO CONCRETE SIDEWALK PANELS AT LOCATIONS SHOWN IN THE GENERAL PLANS.
2. MARKERS ARE INSTALLED IN THE CENTER OF THE CONCRETE PANELS WITH ATTACHED 1.5" STUDS ON THE BACK FACE.
3. MARKERS ARE TO BE LOCATED IN NON RESIDENTIAL AREAS APPROXIMATELY 75 FEET APART. SEE SIDEWALK MARKER TABLE ON MST-01 FOR LOCATIONS.
4. CONCRETE STAMP
   A. PATTERN: FOREST FLOOR
   B. STAMP SIZE: 60" X 60"
   C. TYPE: SEAMLES STAMP
   BY: DECOCRETE (OR APPROVED EQAUL)
5. CONCRETE COLOR
   A. COLOR: HOUSEPLANT GREEN
   BY: BRICKFORM (OR APPROVED EQUAL)
6. BRONZE MARKER
   A. 12" DIAMETER BRONZE PLAQUE
   BY: BRONZE MEMORIALS, INC. (OR APPROVED EQUAL)
7. COST OF MARKER AND INSTALLATION SHALL BE PAID UNDER ITEM XXX

2 BRONZE SIDEWALK PATH MARKER

ITEM XXX - BRONZE SIDEWALK PATH MARKER
N.T.S.

NOTE:
SEE DWG. NO. MST-03 FOR AMENITY SCHEDULES.

3 DOMINOES TABLE

ITEM XXX - DOMINOES TABLE
SCALE: 3/4" = 1'-0"

DOMINOES TABLE NOTES:

1. AS SHOWN: SQUARE PEDESTAL TABLE SET WITH TWO STOOLS AND DOMINOES TABLE TOP (MODEL NO. T7102D), OR APPROVED EQUAL.
2. INCLUDE COST FOR EXCAVATION, SUBBASE, CONCRETE, FASTENERS AND INSTALLATION UNDER THE APPLICABLE DOMINOES TABLE ITEM NUMBER.
3. INSTALLATION PER MANUFACTURER'S INSTRUCTIONS.
4. SEE DWG. NO. GNP-54 FOR LOCATION AND DWG. NO. MST-03 FOR DOMINOES TABLE SCHEDULE.

Doty & Sons Concrete Products
ITEM NO.: T7102D
DESCRIPTION: SQUARE PEDESTAL TABLE SET WITH TWO STOOLS & DOMINOES TABLE TOP (OR APPROVED EQUAL)

4 CHECKERS TABLE

ITEM XXX - CHECKERS TABLE
SCALE: 3/4" = 1'-0"

CHECKERS TABLE NOTES:

1. AS SHOWN: SQUARE PEDESTAL TABLE SET WITH CHECKERBOARD PATTERN WITH TWO STOOLS (MODEL NO. T7102), OR APPROVED EQUAL.
2. INCLUDE COST FOR EXCAVATION, SUBBASE, CONCRETE, FASTENERS AND INSTALLATION UNDER THE APPLICABLE CHECKERS TABLE ITEM NUMBER.
3. INSTALLATION PER MANUFACTURER'S INSTRUCTIONS.
4. SEE DWG. NO. GNP-54 FOR LOCATION AND DWG. NO. MST-03 FOR CHECKERS TABLE SCHEDULE.

Doty & Sons Concrete Products
ITEM NO.: T7102 & T6060
DESCRIPTION: SQUARE PEDESTAL TABLE SET WITH TWO STOOLS & CHECKBOARD TABLE ACCESSORY (OR APPROVED EQUAL)

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED MISCELLANEOUS DETAILS	CONTRACT NUMBER DRAWING NO. MSD-03 SHEET NO. 30

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

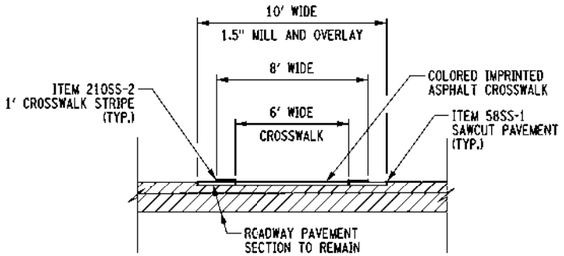
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | CHECK C. SWAYNE | DRAFTING M. WALSH | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\mj1150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\1150.04-cph_msd_03.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



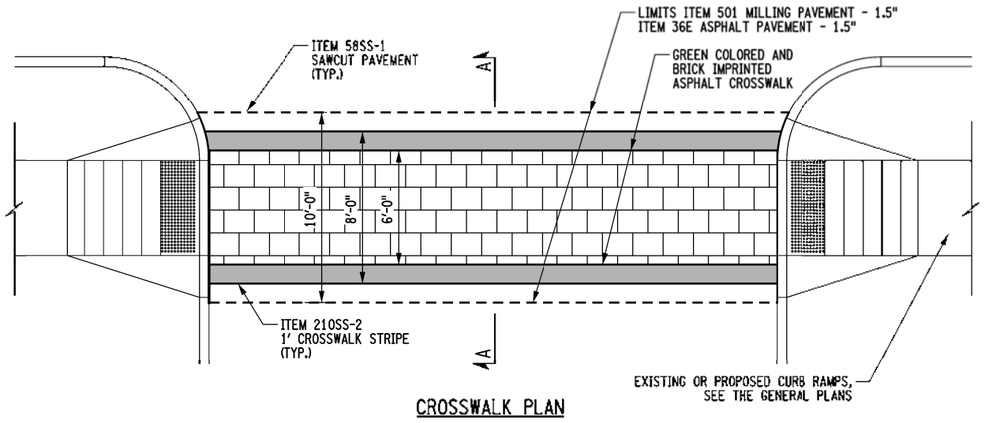
SECTION A-A

CROSSWALK NOTES:

1. STAMPLED ASPHALT CABLE STAMPING PATTERN
   - A. PATTERN: BELGIN BLOCK
   - B. ITEM NO. CSTA-BB
   - C. BRICK SIZE: 6" X 12"
   - D. CABLE SIZE: 0.325"
2. STAMPED ASPHALT COLOR
   - A. COLOR: FOREST GREEN

Pattern Paving Products™

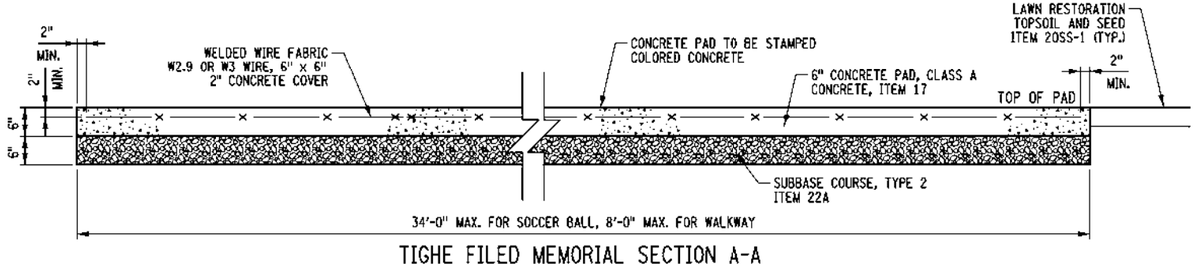
(OR APPROVED EQUAL)



CROSSWALK PLAN

(2) COLORED STAMPED ASPHALT CROSSWALK

SCALE: 1/8" = 1'

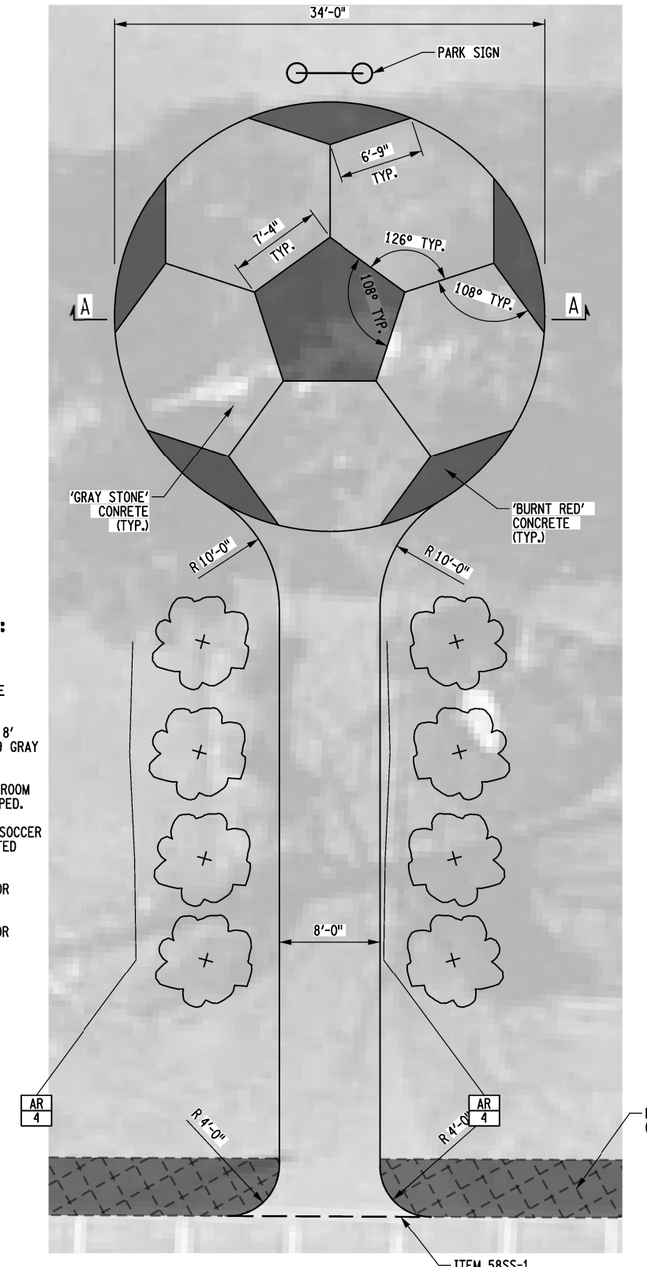


TIGHE FILED MEMORIAL SECTION A-A

SCALE: 3/8" = 1'-0"

TIGHE FIELD NOTES:

1. SOCCER BALL CONCRETE
   CHROMIX P ADMIXTURES
   COLOR: C-38 BURNT RED
   COLOR: C-19 GRAY STONE
   (OR APPROVED EQUAL)
2. COLORED CONCRETE FOR 8' WALKWAY SHALL BE C-19 GRAY STONE.
3. 8' WALKWAY SHALL BE BROOM FINISHED AND NOT STAMPED.
4. EXISTING WALKWAY AND SOCCER BALL SHALL BE EXCAVATED UNDER ITEM 2X.
5. SEE DWG. NO. LSD-01 FOR PLANTING DETAILS.
6. SEE DWG. NO. LSD-03 FOR PLANTING SCHEDULE.



PLAN

SCALE: 3/32" = 1'-0"

(1) TIGHE FIELD MEMORIAL

SEE DWG. NO. GNP-23

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:					
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED MISCELLANEOUS DETAILS

CONTRACT NUMBER

DRAWING NO. MSD-04

SHEET NO. 31

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1633 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

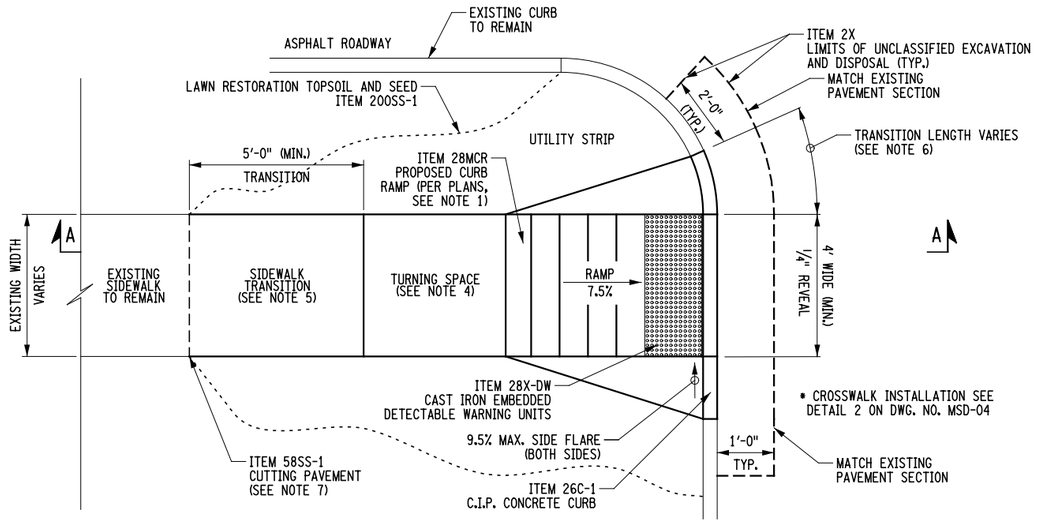
Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

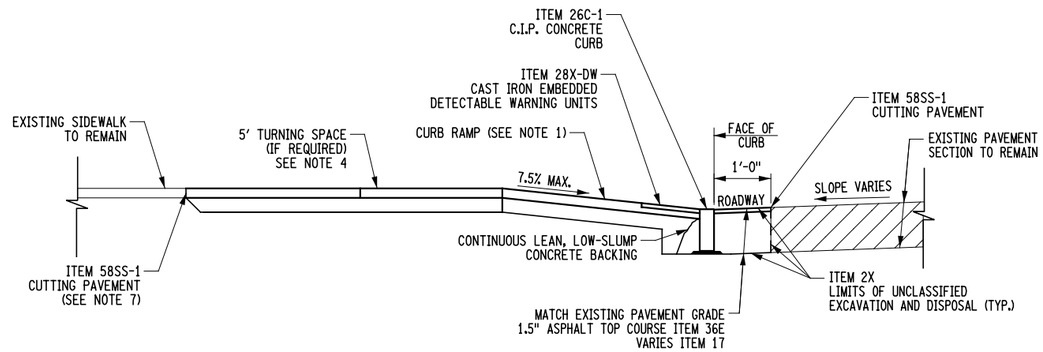
FILE NAME = F:\nj\1150\04 GOSR Mill River Greenway\GGM Final Design\1150804_cph_msd_04.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

CURB RAMP NOTES:

1. SEE DWG. NO. MST-01 FOR CURB RAMP LOCATIONS.
2. IF A CURB RAMP IS BEING RELOCATED TO A NEW LOCATION, THE CONTRACTOR SHALL REPLACE ANY EXISTING DROP CURB NO LONGER REQUIRED AND MATCH THE EXISTING CURB AT THE TIE-INS. THE CONTRACTOR SHALL ALSO REPLACE THE CONCRETE AT THE OLD RAMP LOCATION TO MATCH THE NEW TOP OF CURB.
3. ALL CURB RAMPS WILL BE INSPECTED AT THE END OF THE CONTRACT TO ENSURE THEY MEET CURRENT ADA SPECIFICATIONS. ANY RAMPS THAT DO NOT MEET CURRENT ADA SPECIFICATIONS SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
4. WHERE A CHANGE IN DIRECTION IS REQUIRED TO UTILIZE A CURB RAMP, A TURNING SPACE SHALL BE PROVIDED AT THE BASE OR TOP OF CURB RAMP AS APPLICABLE. A MINIMUM TURNING SPACE OF 4' X 4' CAN BE USED WHEN THERE ARE NO CONSTRAINTS (I.E. FENCE, RETAINING WALL, ETC.) AT THE BACK OF THE SIDEWALK. IF THERE IS A CONSTRAINT AT THE BACK OF THE SIDEWALK, A MINIMUM TURNING SPACE OF 5' X 5' MUST BE USED.
5. A SIDEWALK TRANSITION SEGMENT MAY BE REQUIRED TO MATCH EXISTING SIDEWALK CROSS SLOPE, ELEVATION, AND WIDTH.
6. CURB TRANSITION LENGTH SHALL BE DETERMINED BY THE HEIGHT OF THE EXISTING CURB AND THE ALLOWABLE SIDE FLARE SLOPE.
7. SAW CUT CONCRETE SIDEWALKS AT EXISTING JOINTS TO REMOVE THE ENTIRE PANEL. PARTIAL PANEL REMOVALS SHALL NOT BE PERMITTED UNLESS APPROVED BY THE OWNER.



1 CURB RAMP INSTALLATION (PLAN)
SCALE: 3/8"=1'-0"



CURB RAMP INSTALLATION (SECTION A-A)
SCALE: 3/8" = 1'-0"

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED MISCELLANEOUS DETAILS	CONTRACT NUMBER DRAWING NO. MSD-5 SHEET NO. 32

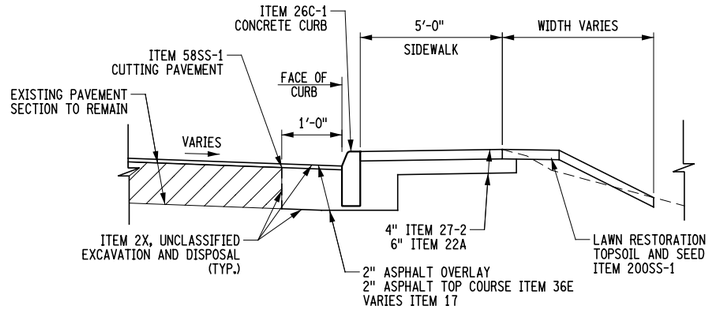
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

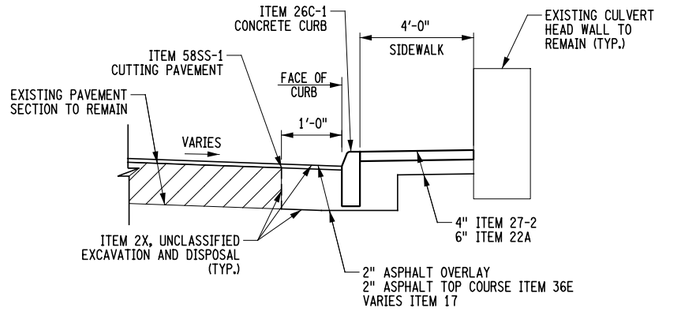
DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | CHECK C. SWAYNE | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\mj1150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\1150.04_cph_msd_05.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



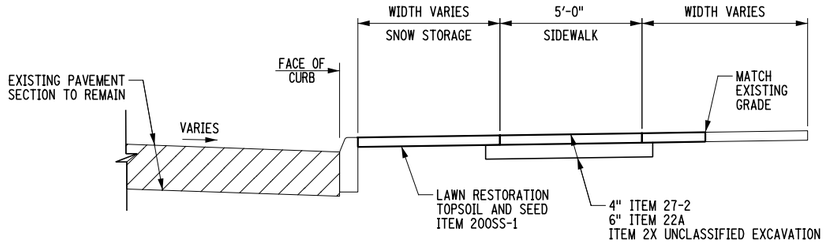
1 MAINE AVENUE PROPOSED SIDEWALK INSTALLATION DETAIL

SCALE: 3/16" = 1'-0"



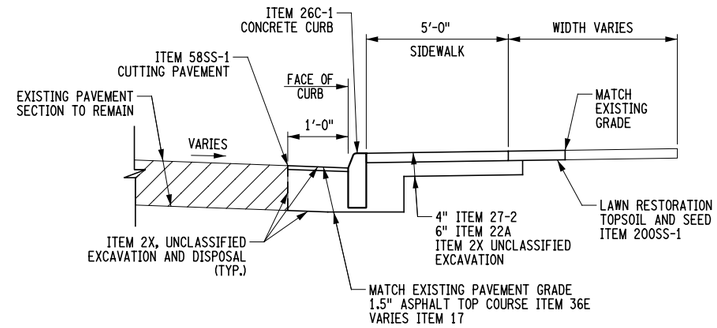
2 MAINE AVENUE PROPOSED SIDEWALK AT CULVERT INSTALLATION DETAIL

SCALE: 3/16" = 1'-0"



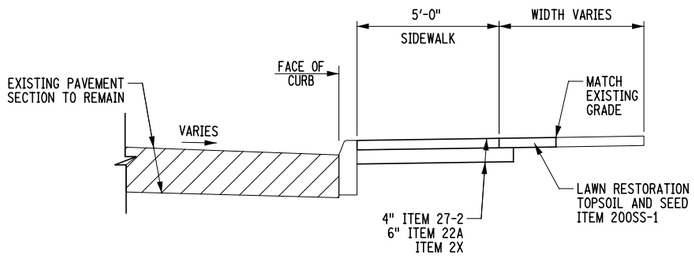
3 SIDEWALK INSTALLATION WITH SNOW STORAGE DETAIL

SCALE: 3/16" = 1'-0"



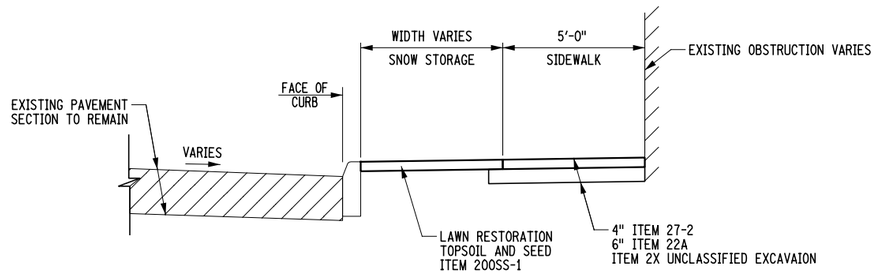
4 SIDEWALK INSTALLATION WITH CURB DETAIL

SCALE: 3/16" = 1'-0"



5 SIDEWALK INSTALLATION WITHOUT CURB DETAIL

SCALE: 3/16" = 1'-0"



6 SIDEWALK REPLACEMENT AT OBSTRUCTION INSTALLATION DETAIL

SCALE: 3/16" = 1'-0"

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED MISCELLANEOUS DETAILS	CONTRACT NUMBER DRAWING NO. MSD-06 SHEET NO. 33

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

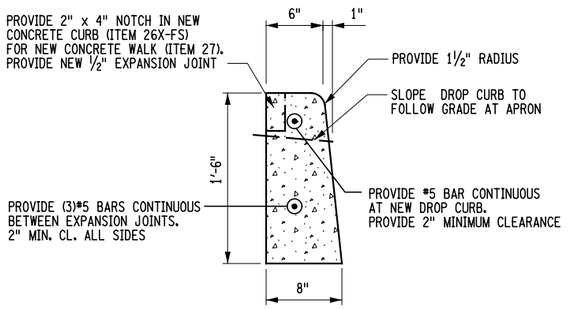
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE | CHECK C. SWAYNE

FILE NAME = F:\mj1150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\1150004_cph_msd_06.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



CONCRETE CURB DETAIL ITEM 26C & 26X-FS

SCALE: ¾" = 1'-0"

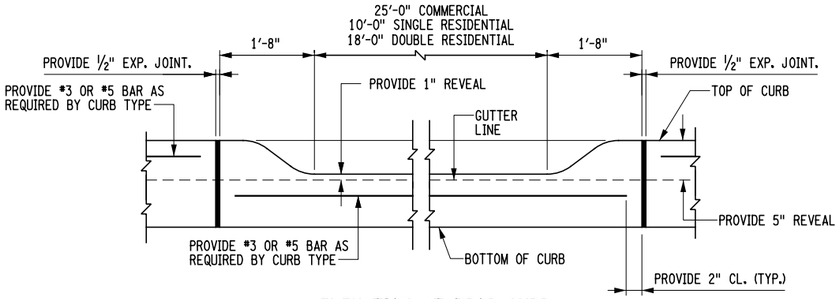
ITEM	YIELD (S.Y. / TON / INCH)	YIELD (TONS / C.Y.)
22CX-M-2	17.85	2.02
36DX-M	17.60	2.02
36D	17.60	2.02
36E	17.60	2.02

NOTES:

1. YIELDS INDICATED INCLUDE 5% MAXIMUM ALLOWABLE DEVIATION FOR RATE OF PLACEMENT OF EACH ITEM.

ASPHALT PAVEMENT YIELDS

SCALE: ½" = 1'-0"



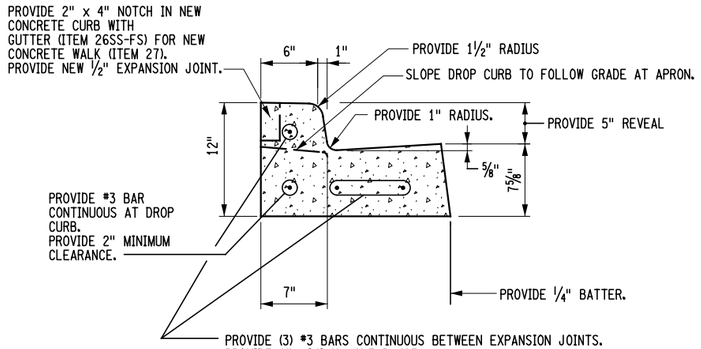
ELEVATION AT DROP CURB

NOTES:

1. PROVIDE ½" EXP. JOINT WHERE NEW APRONS MEET EXISTING CONCRETE PAVEMENT.
2. PROVIDE ½" EXP. JOINT BETWEEN NEW APRONS AND NEW CONCRETE DRIVES.
3. NEW APRONS AND DRIVES SHALL BE 6" CONCRETE PAVEMENT.
4. REINFORCEMENT WHERE REQUIRED SHALL BE WWF 6 x12 / W4.7 X W4.7. NO SEPARATE PAYMENT SHALL BE MADE FOR REINFORCEMENT. COST OF REINFORCEMENT SHALL BE INCLUDED IN PRICE BID FOR ITEM 28X.

CONCRETE APRON DETAILS ITEM 28X

SCALE: ⅜" = 1'-0"

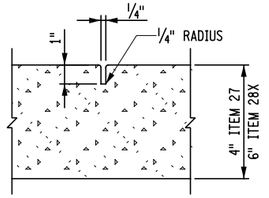


NOTES:

1. WWF 6x6/W4.7xW4.7 REINFORCEMENT MAY BE SUBSTITUTED FOR REINFORCEMENT SHOWN (3 - #3 BARS). PROVIDE EXPANSION JOINT SPACING OF 20 FEET ON CENTER.

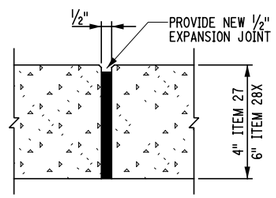
CONCRETE CURB AND GUTTER DETAIL ITEM 26 SS & 26SS-FS

SCALE: ¾" = 1'-0"



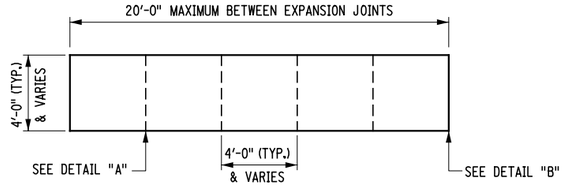
DETAIL A CONTRACTION JOINT

SCALE: 1½" = 1'-0"



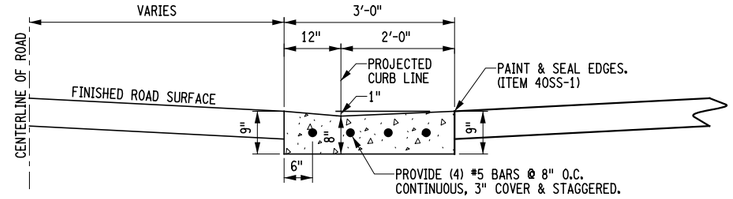
DETAIL B EXPANSION JOINT

SCALE: 1½" = 1'-0"



CONCRETE JOINT DETAILS

SCALE: ⅛" = 1'-0"



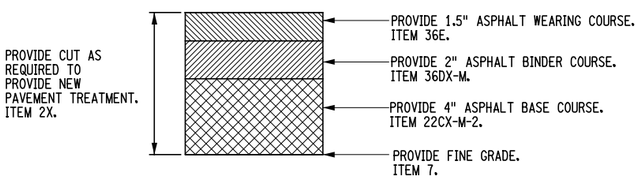
SECTION A-A

NOTES:

1. VALLEY GUTTER CONSTRUCTION SHALL BE RESTRICTED TO ONE SIDE OF THE INTERSECTION UNTIL THAT SIDE IS COMPLETED AND OPEN TO ALL TRAFFIC.
2. REINFORCEMENT BARS SHALL EXTEND 18" INTO SECOND HALF OF NEW VALLEY GUTTER.
3. POLYURETHANE SEALANT SHALL BE "UREXPAN NR-200" AS BY PECORA CORPORATION.

CONCRETE VALLEY GUTTER DETAIL ITEM 24X

SCALE: ⅜" = 1'-0"

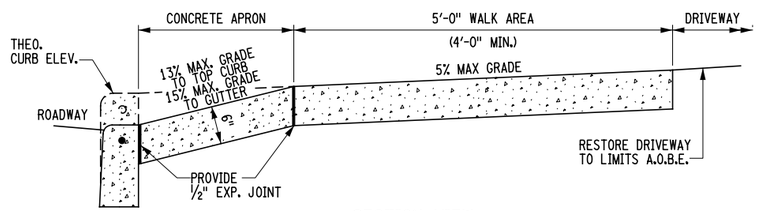


NEW PAVEMENT TREATMENT DETAIL

SCALE: 1½" = 1'-0"

NOTES:

1. SEE SPECIFICATIONS FOR FURTHER LOCATION REQUIREMENTS.



SECTION VIEW

SCALE: ½" = 1'-0"

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	LIVING WITH THE BAY - MILL RIVER GREENWAY				MISCELLANEOUS DETAILS	
						DRAWING NO. MSD-07
	TOWN OF HEMPSTEAD					SHEET NO. 34
	COUNTY: NASSAU					

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

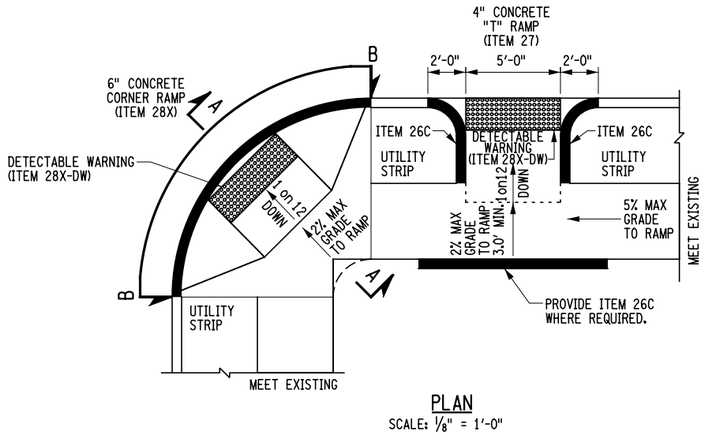
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

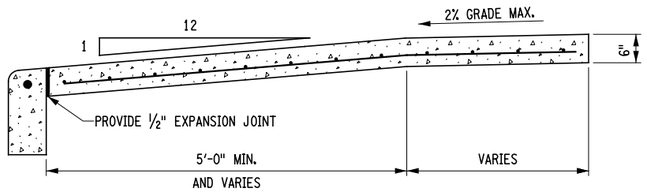
PROJECT MANAGER C. SWAYNE
CHECK C. SWAYNE
DRAFTING M. WALSH
DESIGN M. WALSH
JOB MANAGER B. COOPER
DESIGN SUPERVISOR M. PANICHELLI

FILE NAME = F:\mj1150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\1150D4_cph_msd_07.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

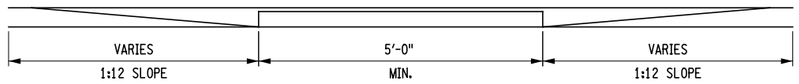


PLAN

SCALE: 1/8" = 1'-0"



SECTION A-A



ELEVATION B-B

NOTES:

1. PROVIDE COARSE BROOM FINISH TO RAMPS, PERPENDICULAR TO DIRECTION OF SLOPE.
2. NEW CORNER RAMPS SHALL BE 6" CONCRETE PAVEMENT REINFORCED WITH WWF 6x12/W4.7 X W4.7 AND CONSTRUCTED UNDER ITEM 28X. NO SEPARATE PAYMENT SHALL BE MADE FOR REINFORCEMENT. COST OF REINFORCEMENT SHALL BE INCLUDED IN PRICE BID FOR ITEM 28X.
3. NEW " T " RAMPS (NOT LOCATED ON CORNER QUADRANTS) SHALL BE 4" CONCRETE PAVEMENT AND CONSTRUCTED UNDER ITEM 27.
4. PROVIDE 1/2" EXPANSION JOINTS AT LOCATIONS WHERE NEW RAMPS MEET EXISTING CONCRETE PAVEMENT AND WHERE NEW 4" CONCRETE PAVEMENT (ITEM 27) MEETS NEW 6" CONCRETE PAVEMENT (ITEM 28X).
5. PROVIDE DETECTABLE WARNING SURFACE FOR ALL NEW RAMPS. ITEM 28X-DWS.

TYPE "A" SIDEWALK RAMP DETAILS
ITEM 27 AND ITEM 28X

SCALE: 3/8" = 1'-0"

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	LIVING WITH THE BAY - MILL RIVER GREENWAY					
					MISCELLANEOUS DETAILS	DRAWING NO. MSD-08
	TOWN OF HEMPSTEAD					SHEET NO. 35
	COUNTY: NASSAU					

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

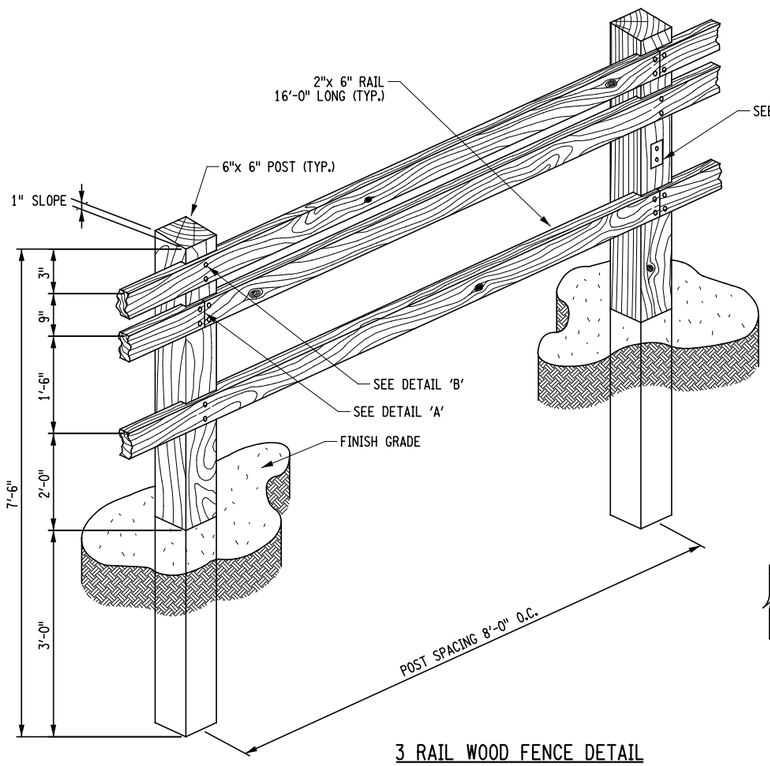
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

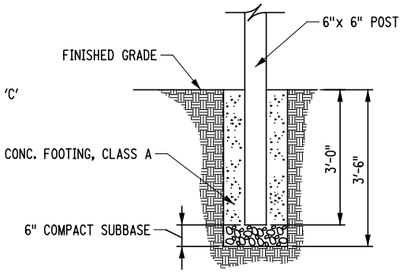
DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE | CHECK C. SWAYNE

FILE NAME = F:\mj\1150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\1150004_oph_msd_08.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



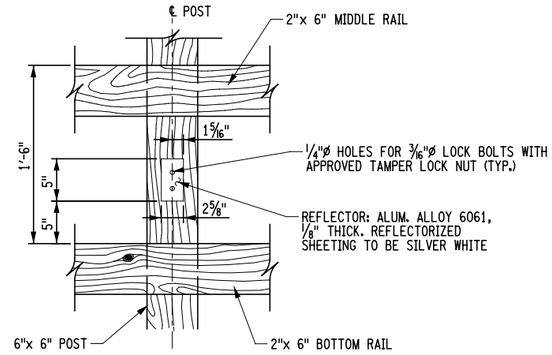
3 RAIL WOOD FENCE DETAIL

SEE DWG. NOS. GNP-45 & GNP-54 FOR PLACEMENT LOCATION
ITEM 94BX
N.T.S.



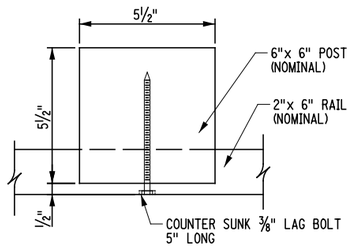
FOUNDATION DETAIL

N.T.S.

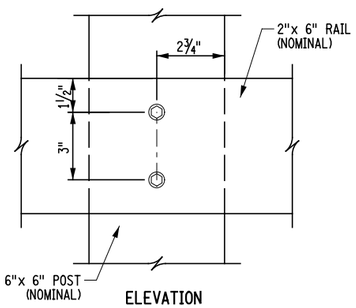


DETAIL 'C'

N.T.S.



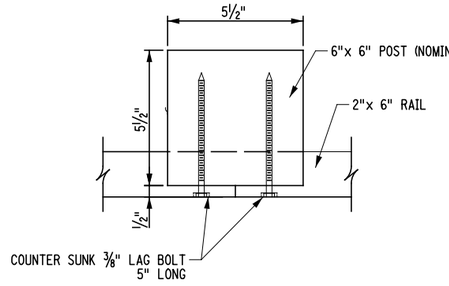
PLAN



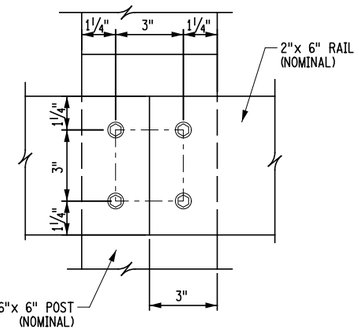
ELEVATION

DETAIL 'B'

N.T.S.



PLAN



ELEVATION

DETAIL 'A'

N.T.S.

NOTES:

1. RAIL TO BE PROVIDED IN 16'-0" LENGTHS.
2. SPLICES SHALL BE STAGGERED SO THAT NO MORE THAN TWO RAILS ARE DISCONTINUOUS AT ANY GIVEN POST.
3. ALL WOOD SHALL BE PRESSURE TREATED.
4. ONLY ONE WOOD TYPE SHALL BE USED IN THE FENCE.
5. CONTRACTOR SHALL INSTALL REFLECTORS ONLY ON EACH POST OF PROPOSED WOOD FENCE THAT IS BORDERING A CURVE OR PARKING LOIT.
6. 3-RAIL WOOD FENCE SHALL BE PLACED A MINIMUM OF 2'-0" FROM THE EDGE OF TRAIL OR PARKING LOT.
7. POST AND RAIL SIZES ARE INDICATED WITH NOMINAL DIMENSIONS.
8. INCLUDE THE COST OF THE CONCRETE FOOTING WORK IN THE COST FOR BID FOR THE FENCE.

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\mj\150\M1150.04 GOSR Mill River Greenway\OGN_Final Design\1150B4_cph_msd_09.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED MISCELLANEOUS DETAILS	CONTRACT NUMBER DRAWING NO. MSD-09 SHEET NO. 36

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road • Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

GENERAL EROSION CONTROL NOTES

1. THE CONTRACTOR WILL BE REQUIRED TO PERFORM ALL CONSTRUCTION OPERATIONS IN A MANNER SO AS TO MINIMIZE SOIL EROSION AND ENSURE SEDIMENT CONTROL. EROSION CONTROL MEASURES ARE ITEMS OR ACTIONS THAT MINIMIZE THE LOSS OF SOIL DUE TO THE DESTRUCTIVE EFFECTS OF WIND AND WATER ON SURFACE SOIL. SEDIMENT CONTROL MEASURES ARE ITEMS OR ACTIONS USED TO MINIMIZE SUSPENDED SOLID MATERIAL TRANSPORT BY WATER. EFFECTIVE SOIL EROSION AND SEDIMENT CONTROL CAN BE ACCOMPLISHED BY LIMITING THE AREA OF UNPROTECTED SOIL. PROTECTED IS DEFINED AS HAVING TEMPORARY OR PERMANENT SOIL EROSION AND SEDIMENT CONTROL MEASURES IN PLACE.

2. THE CONTRACTOR SHALL COMPLY WITH THE PROVISIONS OF ALL ENVIRONMENTAL PERMITS ISSUED FOR THIS PROJECT. THESE PLANS REFLECT THE PROVISIONS AND REQUIREMENTS OF SAID PERMIT(S). PERMIT(S) WILL BE AVAILABLE FROM THE E.I.C. PRIOR TO THE START OF CONSTRUCTION.

3. ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO PREVENT DIRECT OR INDIRECT CONTAMINATION OF ALL WATER BODIES (INCLUDING WETLANDS) BY SILT, SEDIMENT, FUELS, SOLVENTS, LUBRICANTS, EPOXY COATINGS, CONCRETE LEACHATE, OR ANY OTHER POLLUTANT ASSOCIATED WITH CONSTRUCTION PROCEDURES. DURING CONSTRUCTION, NO WET OR FRESH CONCRETE OR LEACHATE SHALL BE ALLOWED TO ESCAPE DIRECTLY OR INDIRECTLY INTO ANY WATER BODIES (INCLUDING WETLANDS), NOR SHALL WASHINGS FROM CONCRETE TRUCKS, MIXERS, OR OTHER DEVICES BE ALLOWED TO ESCAPE DIRECTLY OR INDIRECTLY INTO ANY WATER BODIES (INCLUDING WETLANDS).

4. ANY DEBRIS OR EXCESS MATERIALS FROM CONSTRUCTION OF THIS PROJECT SHALL BE IMMEDIATELY AND COMPLETELY REMOVED FROM THE BED AND BANKS OF ALL WATER BODIES (INCLUDING WETLANDS) AND SHALL BE DISPOSED OF AWAY FROM WETLANDS, WATER COURSES, OR OTHER BODIES OF WATER.

5. ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF AND BE PROTECTED SO THAT IT CANNOT DIRECTLY OR INDIRECTLY RE-ENTER ANY WATER BODY OR WETLAND AREA.

6. ALL DE-WATERING OPERATIONS INVOLVING TURBID WATER SHALL BE ACCOMPLISHED BY PUMPING TO A VEGETATED AREA (NOT INCLUDING WETLANDS) OR TO A SEDIMENT TRAP, OR A MANUFACTURED SEDIMENT CONTROL SYSTEM. WHEN THE WATER BEING DISCHARGED IS AS FREE AND CLEAR OF SEDIMENT AS THE ADJACENT STREAM OR WATER BODY, THE WATER CAN BE PUMPED DIRECTLY INTO THE STREAM OR WATERBODY. DE-WATERING OPERATIONS OF TURBID WATER SHALL NOT DIRECTLY OR INDIRECTLY DISCHARGE TO ANY WATER BODIES (INCLUDING WETLANDS). LOCATIONS AND DESIGNS NOT SHOWN ON THE PLANS SHALL BE APPROVED BY THE ENGINEER-IN-CHARGE.

7. TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AS PER DETAILS AND SPECIFICATIONS. ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED BY THE CONTRACTOR DAILY AFTER EACH STORM EVENT THAT GENERATES RUNOFF. DEFICIENCIES SHALL IMPLEMENT CORRECTIVE ACTIONS WITHIN ONE (1) BUSINESS DAY.

GENERAL EROSION CONTROL NOTES (CONTINUED)

9. PERIMETER SEDIMENT CONTROL MEASURES AND VEGETATION PROTECTION FENCE SHALL BE PLACED PRIOR TO STARTING CLEARING AND GRUBBING OPERATIONS. THESE MEASURES SHALL REMAIN IN PLACE UNTIL ALL DISTURBED AREAS ARE PERMANENTLY PROTECTED WITH EROSION CONTROL MEASURES.

10. TEMPORARY STOCKPILES OF SOIL SHALL BE PROTECTED AS PER THE SOIL EROSION AND SEDIMENT CONTROL DETAILS. AT A MINIMUM TEMPORARY STOCKPILES SHALL BE RINGED WITH SILT FENCE. STOCKPILES AND AREA OF STOCKPILES LEFT INACTIVE FOR LONGER THAN 14 DAYS SHALL HAVE TEMPORARY SEED AND MULCH APPLIED OR BE COVERED IN A MANNER THAT WILL PREVENT EROSION. ANY MEASURES USED TO COVER STOCKPILES SHALL BE SECURED TO MAINTAIN THEIR EFFECTIVENESS.

11. A STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROVIDED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A MAINTAINED ROADWAY.

12. EMPHASIS MUST BE PLACED ON PREVENTING EROSION AT THE SOURCE, NOT CATCHING SEDIMENT AT THE BOTOM OF THE SLOPE OR IN THE CHANNEL. SLOPES THAT ARE STABILIZED WILL REDUCE EROSION SIGNIFICANTLY, AND REDUCE THE EFFORT REQUIRED FOR THE MAINTENANCE OF CONTROL MEASURES. STEEP (3H:1V OR STEEPER FOR TEMPORARY SLOPES AND STEEPER THAN 3H:1V FOR FINAL GRADES) SLOPES THAT CANNOT BE STABLIZED IMMEDIANTLY, DUE TO THE WEATHER OR OTHER CONSTRAINTS, SHALL BE COVERED WITH ROLLED EROSION CONTROL MATERIALS AS DETAILED IN THESE PLANS.

EROSION AND SEDIMENT CONTROL GENERAL CONSTRUCTION PROCEDURE

THE EROSION CONTROL PLAN STAGES SHALL BE ESTABLISHED BASED ON THE FOLLOWING:

- DIVERT ALL CLEAN WATER AWAY FROM OR FLUMED THROUGH THE WORK AREA PRIOR TO COMMENCING WORK
- SEQUENCE OF CONSTRUCTION SHALL BE LOGICAL AND CONSTRUCTABLE
- ENSURE THAT THE AMOUNT OF UNPROTECTED EARTH MATERIAL EXPOSED AT ONE TIME IS LIMITED TO THE MINIMUM AMOUNT NECESSARY TO CONSTRUCT A PARTICULAR STAGE

THE GENERAL CONSTRUCTION PROCEDURE FOR THE EARTHWORK OPERATIONS ON THIS PROJECT SHOULD BE AS FOLLOWS FOR EROSION CONTROL AREAS IDENTIFIED:

PRIOR TO STARTING ANY CONSTRUCTION OPERATION, THE CONTRACTOR SHALL REVIEW CONSTRUCTION SEQUENCE AND EROSION CONTROL METHODS WITH THE E.I.C.

FILL SECTION

- INSTALL TOE OF FILL SILT FENCE AND ANY IDENTIFIED TEMPORARY DRAINAGE STRUCTURES AND OTHER EROSION CONTROL MEASURES IDENTIFIED
- LIMIT DISTURBANCE TO EROSION PROTECTED AREAS
- ADHERE TO SLOPE PROTECTION DETAILS INCLUDED IN THE CONTRACT PLANS
- FINAL GRADE SLOPES AND PLACE TURF ESTABLISHMENT MATERIAL
- MAINTAIN EROSION CONTROL MEASURES UNTIL TURF IS ESTABLISHED

CUT SECTIONS

- SEED AND MULCH ALL DISTURBED AREAS
- ADHERE TO SLOPE PROTECTION DETAILS INCLUDED IN THE CONTRACT PLANS
- FINAL GRADE SLOPES AND PLACE TURF ESTABLISHMENT MATERIAL
- MAINTAIN EROSION CONTROL MEASURES UNTIL TURF IS ESTABLISHED

SILT FENCE - TEMPORARY

NO.	DESCRIPTION OF LOCATION	TOTAL QUANTITY (LF)
44-1	STA. MA 15+37 TO STA. MA 16+33, RT	96
44-2	STA. MA 16+32 TO STA. MA 17+59, RT	128
44-3	STA. MA 17+59 TO STA. MA 18+55, RT	98
45-1	STA. MA 15+55 TO STA. MA 19+59, RT	96
45-2	STA. MA 19+48 TO STA. MA 20+09, RT	63
45-3	STA. MA 20+31 TO STA. MA 21+25, RT	96
45-4	STA. MA 21+25 TO STA. MA 22+09, RT	88
	TOTAL	665

PROJECT MANAGER C. SWAYNE
CHECK C. SWAYNE
DRAFTING M. WALSH
CHECK C. SWAYNE
DESIGN SUPERVISOR M. PANICHELLI
JOB MANAGER B. COOPER
DESIGN M. WALSH
CHECK C. SWAYNE

FILE NAME = F:\mj\2150\MJ2150.04 GOSR Mill River Greenway\DGN_Final Design\2150.04_cph_ect_01.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

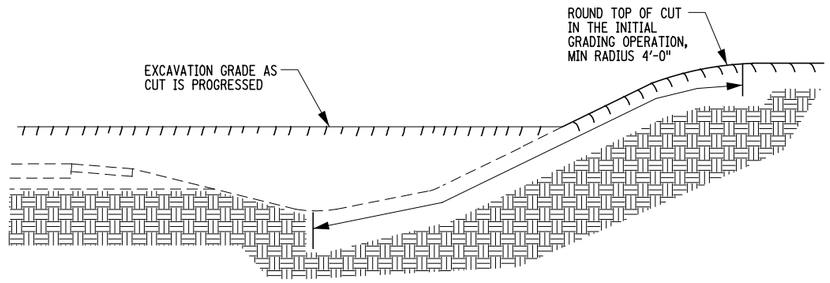
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED EROSION AND SEDIMENT CONTROL NOTES AND TABLES	CONTRACT NUMBER DRAWING NO. ECT-01 SHEET NO. 37

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY



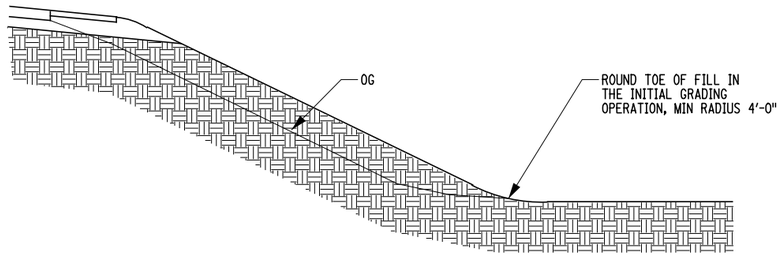
TEMPORARY SEEDING AND MULCHING GUIDES - CUT SLOPES

SEE SLOPE PROTECTION NOTES

TEMPORARY SLOPE TREATMENT TABLE SEE SLOPE PROTECTION NOTES		
CRITERIA	FLAT SLOPES LESS THAN 1 ON 3	STEEP SLOPES 1 ON 3 OR STEEPER
*1 PRIOR TO ANY ANTICIPATED PRECIPITATION	TEMPORARY MULCH	TEMPORARY MULCH
*2 NO WORK ON SLOPES FOR UP TO 3-14 CONSECUTIVE DAYS	TEMPORARY MULCH	TEMPORARY MULCH
*3 NO WORK ON SLOPES FOR OVER 14 DAYS - 60 DAYS	TEMPORARY SEED AND MULCH	TEMPORARY SEED AND MULCH AND ROLLED EROSION CONTROL PRODUCT CLASS II TYPE A
*4 OVER 60 DAYS (WINTER OVER)	TEMPORARY SEED AND MULCH, AND ROLLED EROSION CONTROL PRODUCT CLASS II TYPE A	TEMPORARY SEED AND MULCH AND ROLLED EROSION CONTROL PRODUCT CLASS II TYPE C

SLOPE PROTECTION NOTES

1. ALL SLOPES SHALL BE BROUGHT TO FINISHED GRADE AND TRIMMED AS SOON AS POSSIBLE.
2. PERMANENT EROSION CONTROL MEASURES OF SEEDING AND MULCHING (SEED ONLY WITHIN SEEDING DATES) SHALL BE CARRIED OUT ONCE THE SLOPES HAVE REACHED FINAL GRADE. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN IN THE TEMPORARY SLOPE TREATMENT TABLE SHALL BE EMPLOYED AS INDICATED OR IN THE TEMPORARY MULCH NOTE.
3. IF THE DITCH CANNOT BE COMPLETED BECAUSE PAVING IS REQUIRED OR FOR OTHER REASONS, THEN THE EROSION CONTROL MEASURES SHOULD BE COMPLETED TO THE TOP OF THE DITCH BACKSLOPE.



TEMPORARY SEEDING AND MULCHING GUIDES - FILL SLOPES

SEE SLOPE PROTECTION NOTES

MAINTENANCE OF SLOPE PROTECTION NOTES

1. MAINTENANCE OF MULCHED AREAS SHALL INCLUDE RE-MULCHING OF AREAS IN WHICH SOIL BECOMES EXPOSED TO VIEW. ANY AREAS THAT BECOME SETTLED OR GULLIED DURING MULCHING OPERATIONS SHALL BE REPAIRED WITHIN 3 DAYS OR THE ONSET OF INCLEMENT WEATHER.
2. MULCH ANCHORAGE (TACK) SHALL BE APPLIED TO HOLD MULCH IN PLACE.
3. MAINTENANCE OF TEMPORARY SEEDED AREAS SHALL INCLUDE RE-SEEDING AS NEEDED (OR AOBE) TO ESTABLISH A SATISFACTORY STAND OF TURF. THE COST OF RESEEDING SHALL BE AT THE CONTRACTOR'S EXPENSE.
4. ALL TEMPORARY TREATMENT SHALL BE MAINTAINED THROUGHOUT THE LIFE OF THE EROSION CONTROL MEASURE.
5. MAINTENANCE OF ROLLED EROSION CONTROL PRODUCT SHALL INCLUDE RE-GRADING OF AREAS THAT BECOME SETTLED OR GULLIED DURING INSTALLATION. ANY EDGES THAT BECOME LOOSE OR EXPOSED SHALL BE RE-INSTALLED.

TEMPORARY MULCH

1. UNDER NO CONDITION, SHALL ANY AREA OF UNPROTECTED ERODIBLE EARTH MATERIAL EXPOSED BY CLEARING AND GRUBBING, EXCAVATION, BORROW, FILL, OR OTHER WORK WITHIN THE R.O.W. BE LEFT IN AN UNPROTECTED CONDITION. ANY PORTION OF AN AREA ON WHICH CLEARING AND GRUBBING, EXCAVATION, BORROW, FILL, OR OTHER WORK WITHIN THE R.O.W. HAD PERMANENTLY CEASED SHALL BE STABILIZED, BY EITHER TEMPORARY OR PERMANENT MEANS. THE CONTRACTOR WILL ALSO BE AWARE OF IMPENDING WEATHER CONDITIONS AND THE NEED TO APPLY MULCH ON AREAS THAT WORK IS PROGRESSING.
2. THE CONTRACTOR MUST CONTINUALLY BE PREPARED TO REPAIR AND REMULCH DISTURBED SOIL AREAS TO PROVIDE NECESSARY COVERAGE TO LOCATIONS THAT HAVE BEEN DAMAGED BY STORMS OR EQUIPMENT. SHOULD THE ENGINEER DETERMINE AT ANY TIME THAT THE MULCH HAS NOT STABILIZED THE PROJECT AREA, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMULCHING AND ALL ADDITIONAL WORK NECESSARY TO CORRECT THE PROBLEM SHALL BE AT THE CONTRACTOR'S EXPENSE. THIS WORK WILL BE REQUIRED FOR ALL AREAS ASSOCIATED WITH THE PROJECT AND WITHIN THE PROJECT LIMITS. THE CONTRACTOR WILL BE RESPONSIBLE TO MAINTAIN THE SAME STANDARDS FOR ALL OFF SITE AREAS ASSOCIATED WITH THE PROJECT. THE COST OF THAT WORK SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.
3. MULCHING IS THE PRIMARY EROSION PREVENTION METHOD TO BE USED, AND WAS INCLUDED IN THE PROJECT TO SATISFY THE REQUIREMENTS IN THE STANDARD SPECIFICATIONS, LAWS, REGULATIONS AND/OR OTHER PERMIT CONDITIONS NEEDED TO COMPLETE THE WORK PROPOSED IN THIS PROJECT. MULCHING PLAYS A MAJOR ROLE IN MAINTAINING THE WATER QUALITY OF WATER BODIES AND WETLANDS. MULCH SHALL BE APPLIED AT A RATE OF APPROXIMATELY 2 TONS/ACRE AND SHOULD CONSIST OF HIGH QUALITY STRAW PRODUCTS.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN:

BRIDGE

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

CONTRACT NUMBER

EROSION AND SEDIMENT CONTROL DETAILS

DRAWING NO. ECD-01

SHEET NO. 38

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

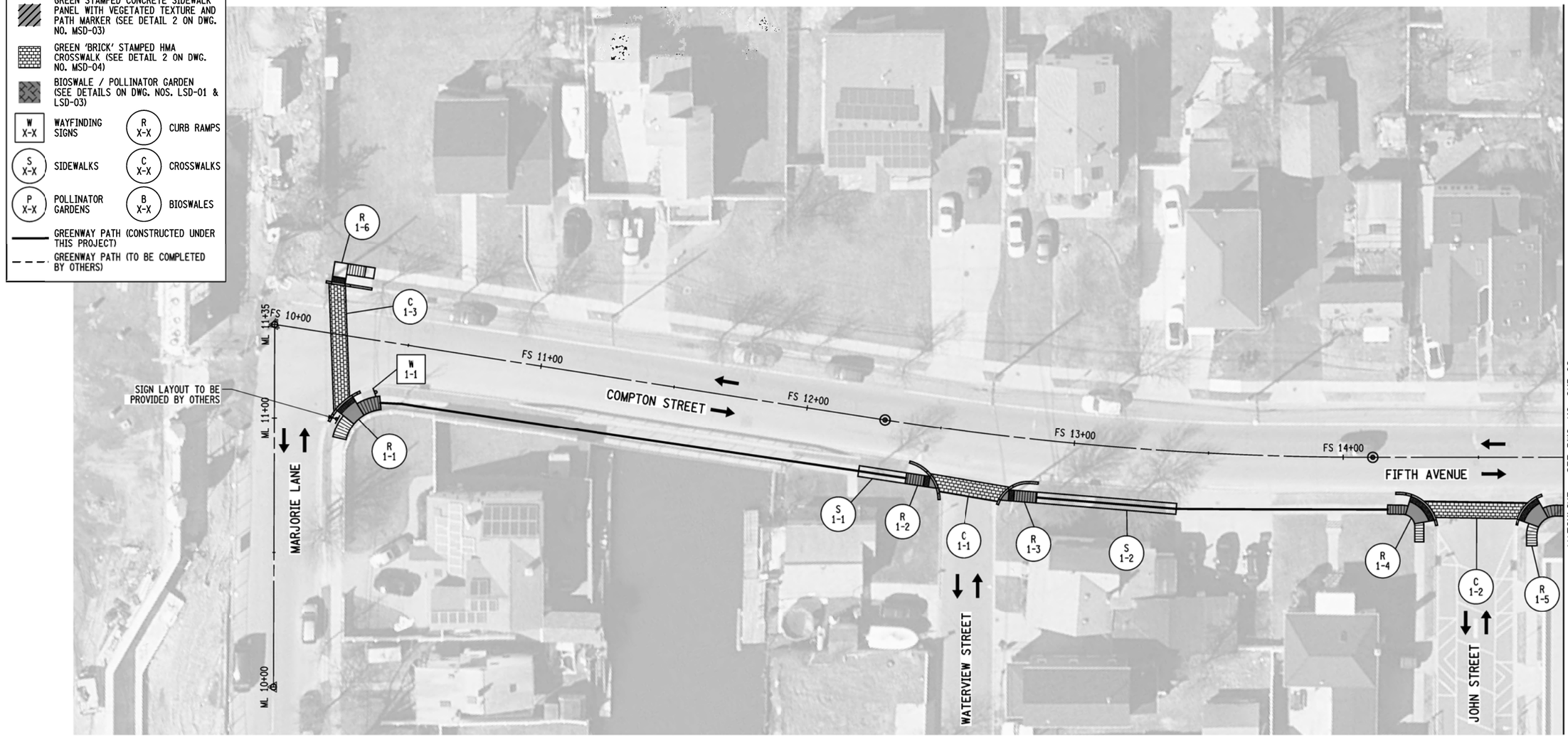
Engineering and Land Surveying, P.C.
1533 Crescent Road • Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\mj1150\MJ1150.04 GOSR Mill River Greenway\DGN\Final Design\1150D4_cph_ecd_01.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



NOTES:

1. REFER TO DWG. NOS. KP-01 THRU KP-05 FOR KEY PLANS.
2. REFER TO DWG. NO. TYP-01 FOR TYPICAL SECTIONS.
3. REFER TO DWG. NOS. MST-01 THRU MST-03 FOR MISCELLANEOUS TABLES.
4. REFER TO DWG. NOS. MSD-01 THRU MSD-09 FOR MISCELLANEOUS DETAILS.
5. REFER TO DWG. NO. ECT-01 AND ECD-01 FOR EROSION & SEDIMENT CONTROL NOTES, TABLES, AND DETAILS.
6. REFER TO DWG. NOS. SGT-01 AND SGD-01 THRU SGD-03 FOR SIGN TABLES AND DETAILS.
7. REFER TO DWG. NOS. LSD-01 THRU LSD-06 FOR LANDSCAPING DETAILS.
8. REFER TO DWG. NOS. WZTN-01 AND WZTC-01 THRU WZTD-08 FOR WORK ZONE TRAFFIC CONTROL NOTES AND DETAILS.

20 0 20 40 60 80'
1" = 40'

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)	PIN:	BRIDGE	CULVERTS
LIVING WITH THE BAY - MILL RIVER GREENWAY			
TOWN OF HEMPSTEAD			
COUNTY: NASSAU			

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GENERAL PLAN - 01

CONTRACT NUMBER

DRAWING NO. GNP-01
SHEET NO. 39

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

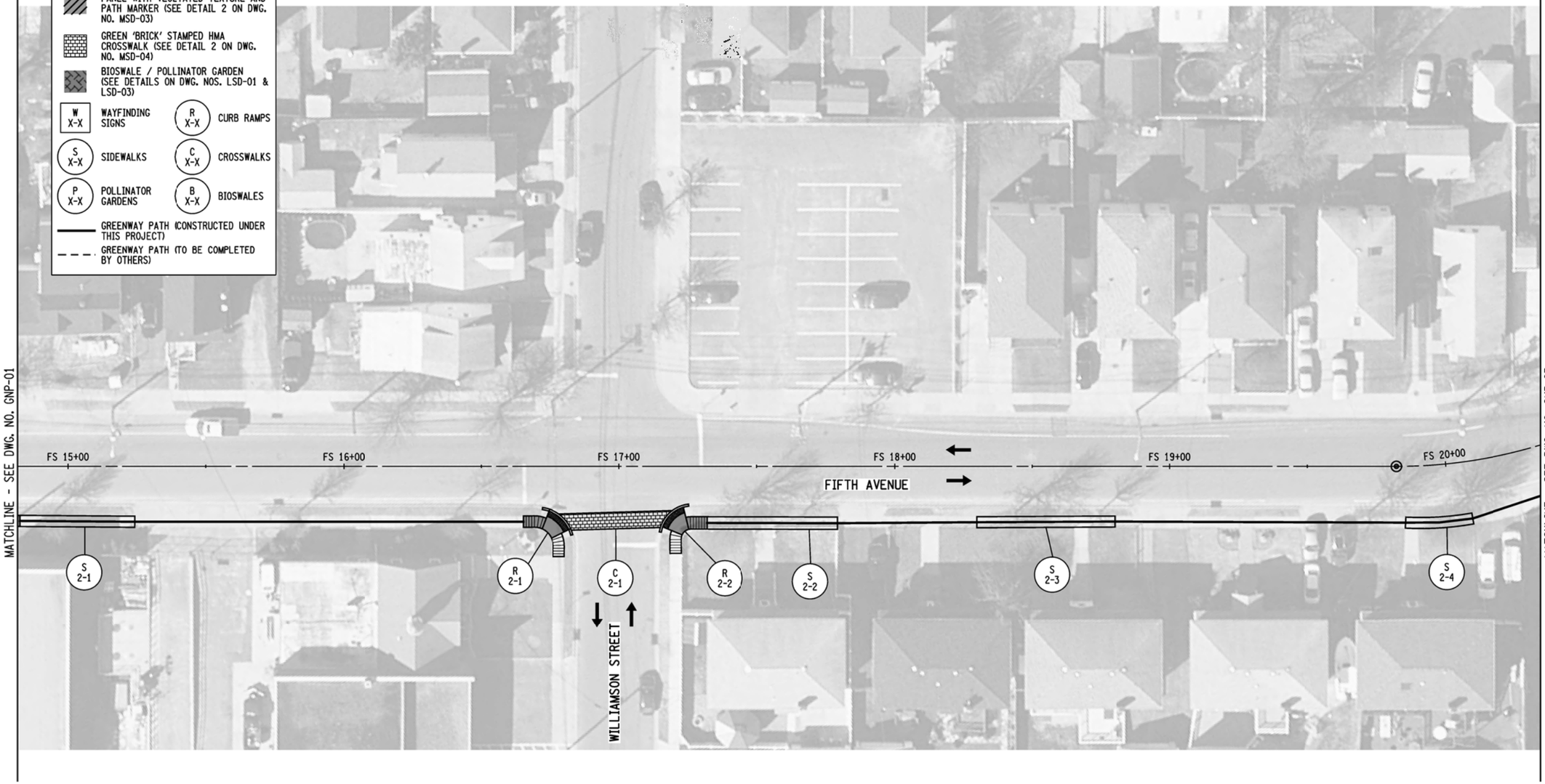
DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\nj\1150\d\1150.04 GOSR Mill River Greenway\GOW-Final Design\1150804_cph-gnp_01.dgn
DATE/TIME = 6/22/2020
USER = mwalsh

LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

GRID NORTH



PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

20 0 20 40 60 80'
1" = 40'

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED GENERAL PLAN - 02	CONTRACT NUMBER DRAWING NO. GNP-02 SHEET NO. 40

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

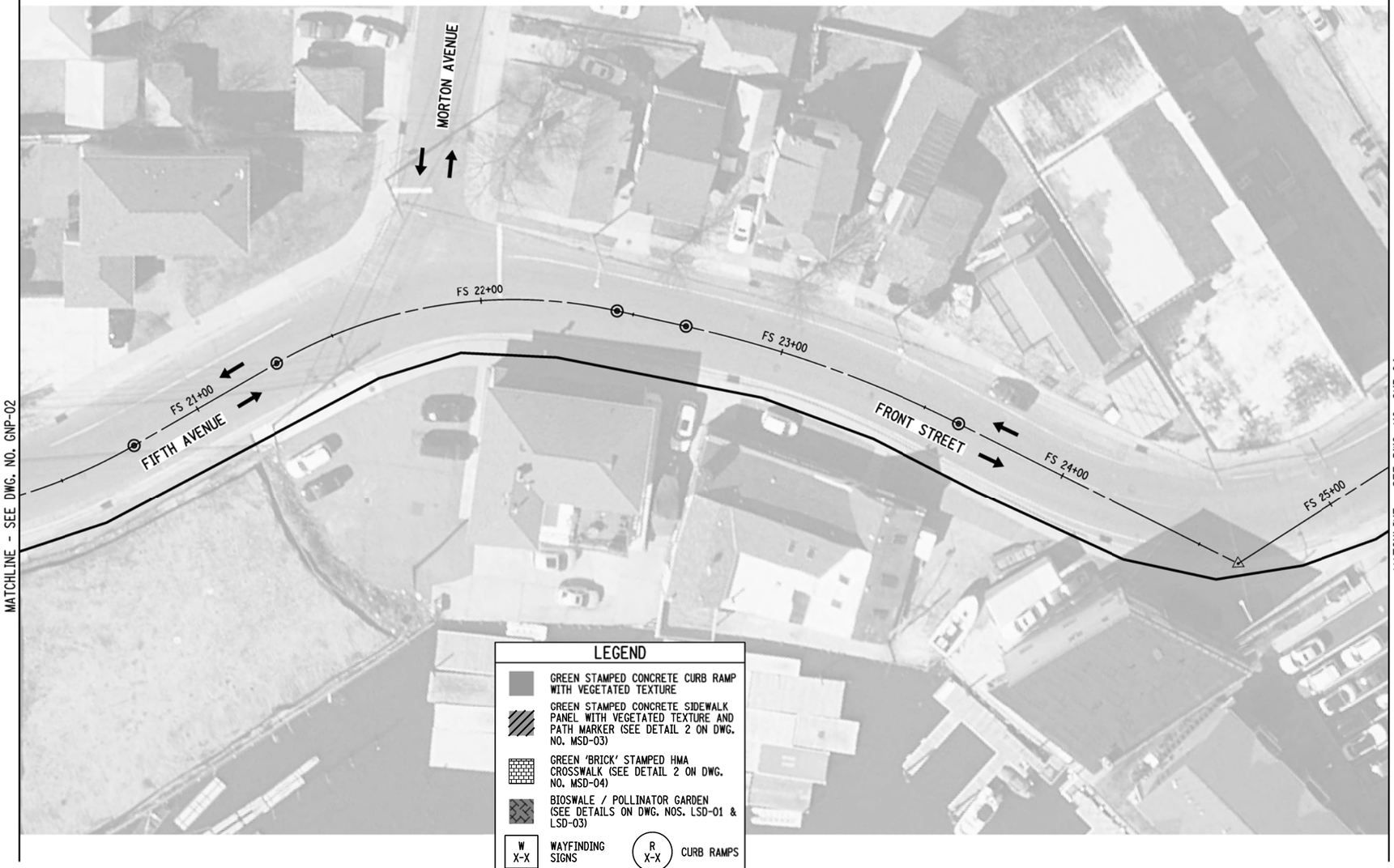
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\mj\1150\M1150.04 GOSR Mill River Greenway\LOGW Final Design\1150.04-cph-grp-02.dgn
DATE/TIME = 6/12/2020
USER = cswayne



GRID NORTH

LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

20 0 20 40 60 80'
1" = 40'

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.
2. NO WORK PROPOSED ON THIS SHEET.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN: | BRIDGE | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GENERAL PLAN - 03

CONTRACT NUMBER

DRAWING NO. GNP-03
SHEET NO. 41

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

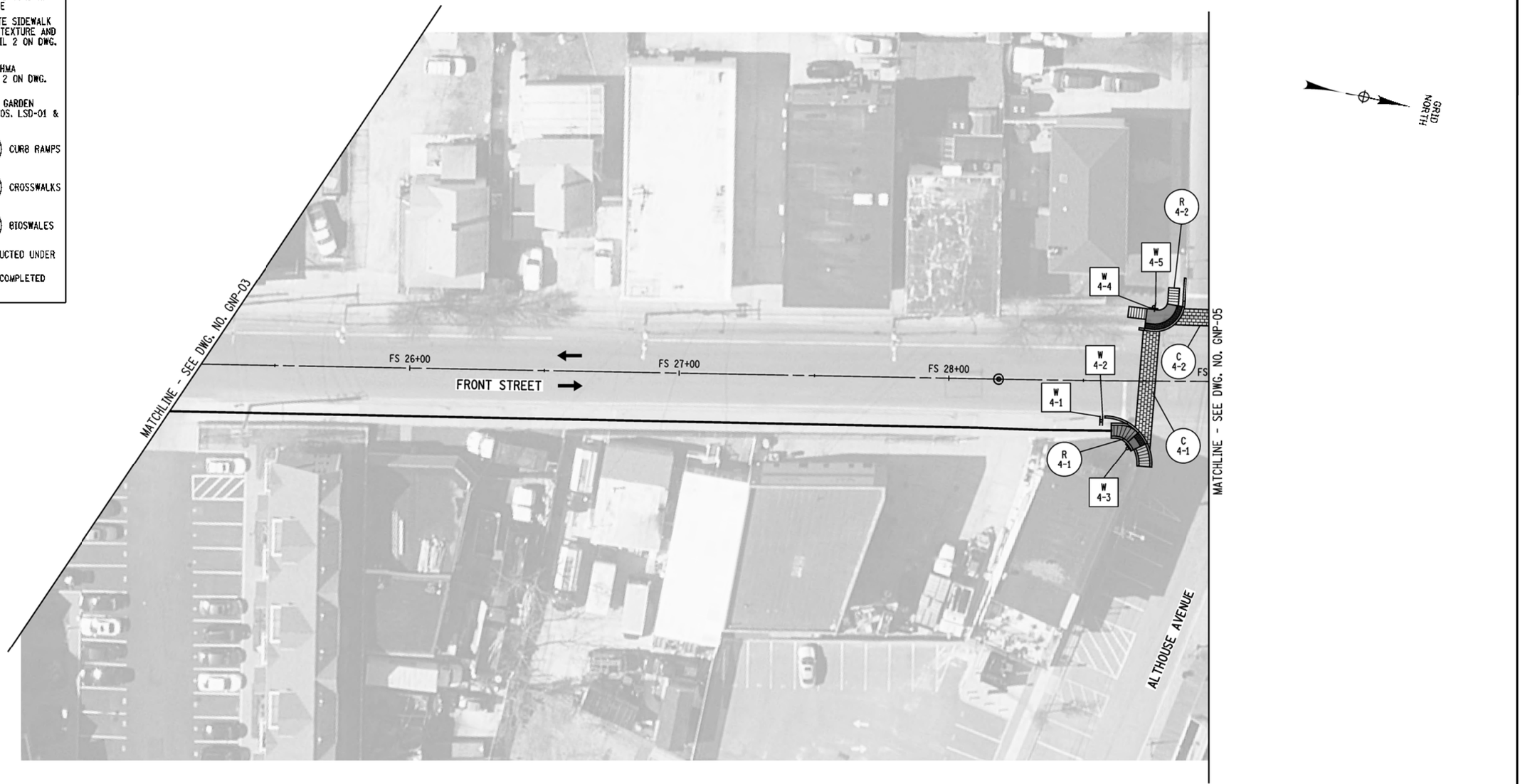
Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\n1150\04\1150804 GOSR Mill River Greenway\GOSR Final Design\1150804_cph_gnp_03.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. WSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. WSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)



PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.

20 0 20 40 60 80'
1" = 40'

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED GENERAL PLAN - 04	CONTRACT NUMBER DRAWING NO. GNP-04 SHEET NO. 42

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

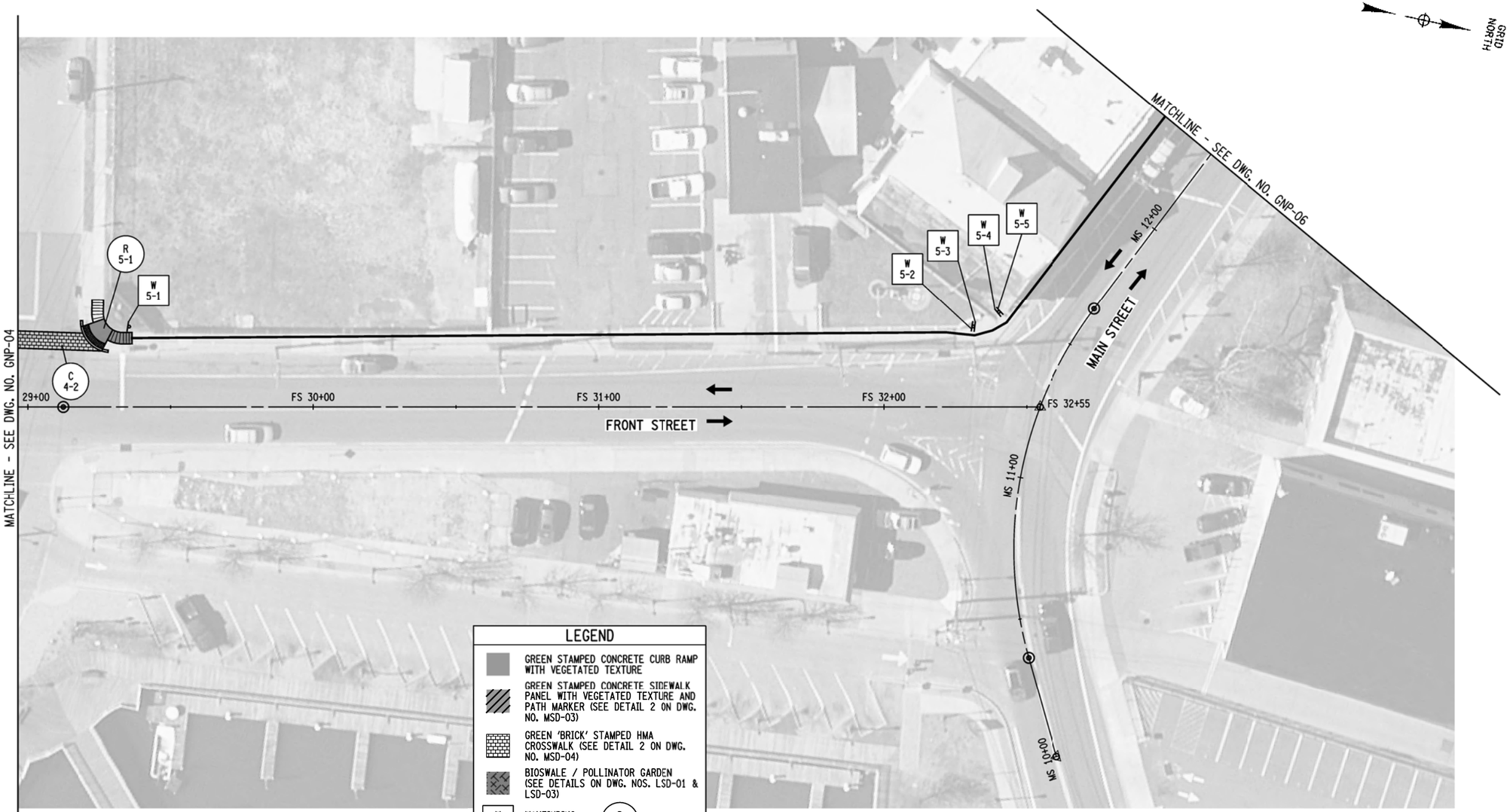
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE | CHECK C. SWAYNE

FILE NAME = F:\nj\1150\M-1150.04 GOSR Mill River Greenway\CON-Final Design\1150.04_cph_grp_04.dgn
DATE/TIME = 6/12/2020
USER = cwelsh



LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

20 0 20 40 60 80'
1" = 40'

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN: | BRIDGE | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GENERAL PLAN - 05

CONTRACT NUMBER

DRAWING NO. GNP-05
SHEET NO. 43

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

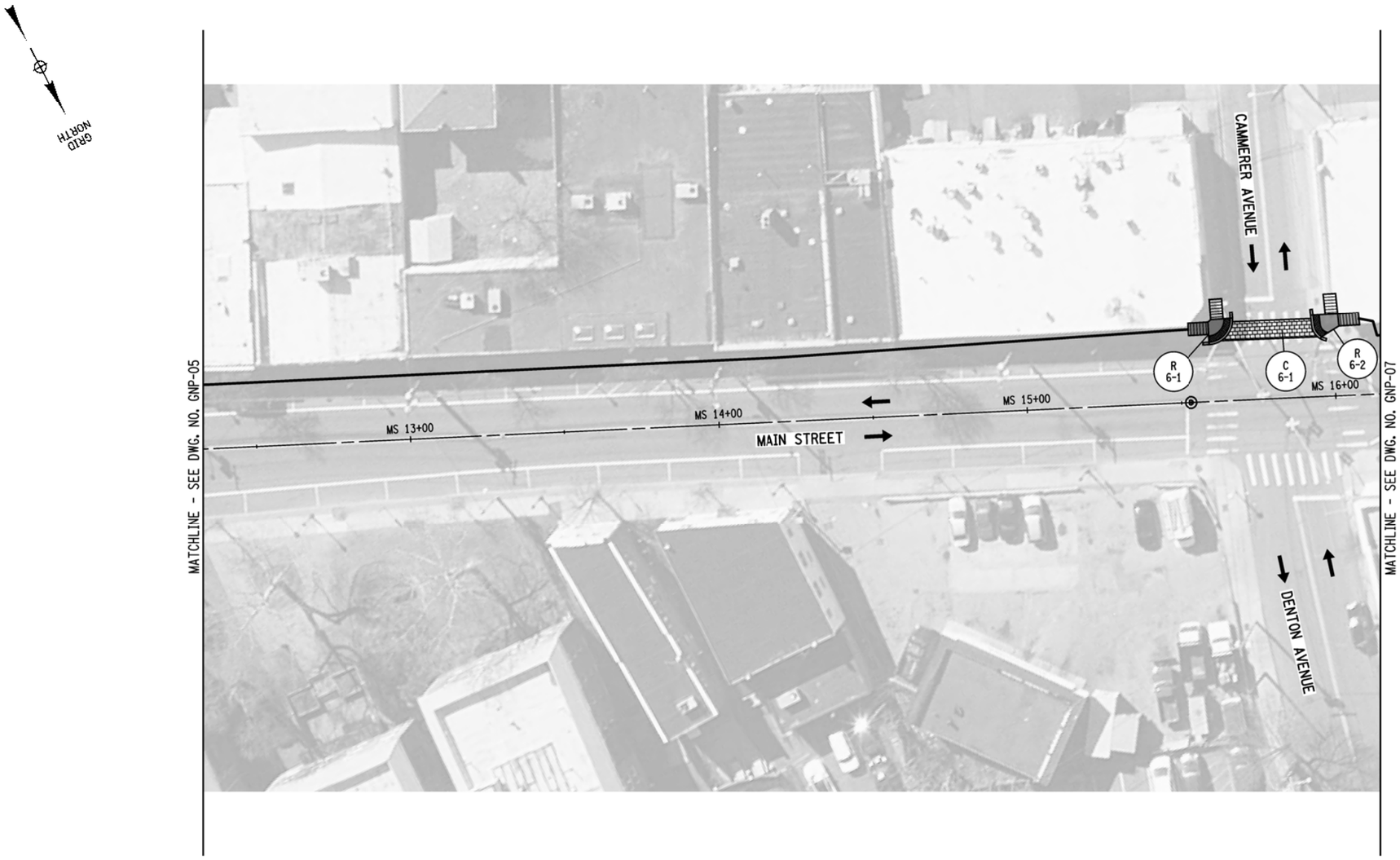
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the Bay

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK G. SWAYNE | PROJECT MANAGER G. SWAYNE | CHECK G. SWAYNE

FILE NAME = F:\nj\1150\M1150.04 GOSR Mill River Greenway\GGN Final Design\1150.04_cph_grp_05.dgn
DATE/TIME = 6/12/2020
USER = cwelsh



LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

20 0 20 40 60 80'
1" = 40'

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN: | BRIDGE | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GENERAL PLAN - 06

CONTRACT NUMBER

DRAWING NO. GNP-06
SHEET NO. 44

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

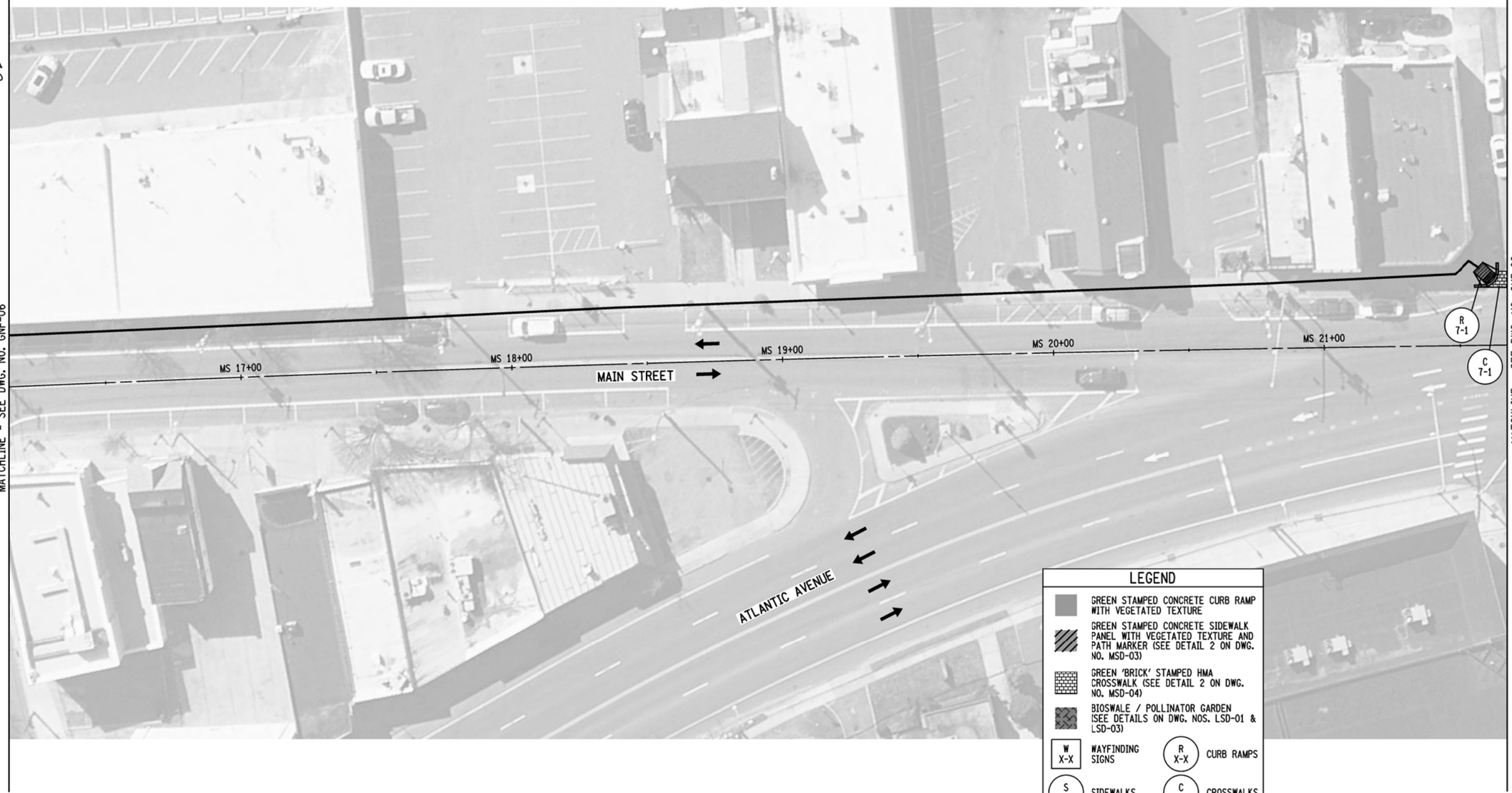
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE | CHECK C. SWAYNE

FILE NAME = F:\mj\1150\x\1150.04 GOSR Mill River Greenway\DGN\Final Design\1150.04_cph_gnp_06.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

20 0 20 40 60 80'
1" = 40'

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN: | BRIDGE | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GENERAL PLAN - 07

CONTRACT NUMBER

DRAWING NO. GNP-07
SHEET NO. 45

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

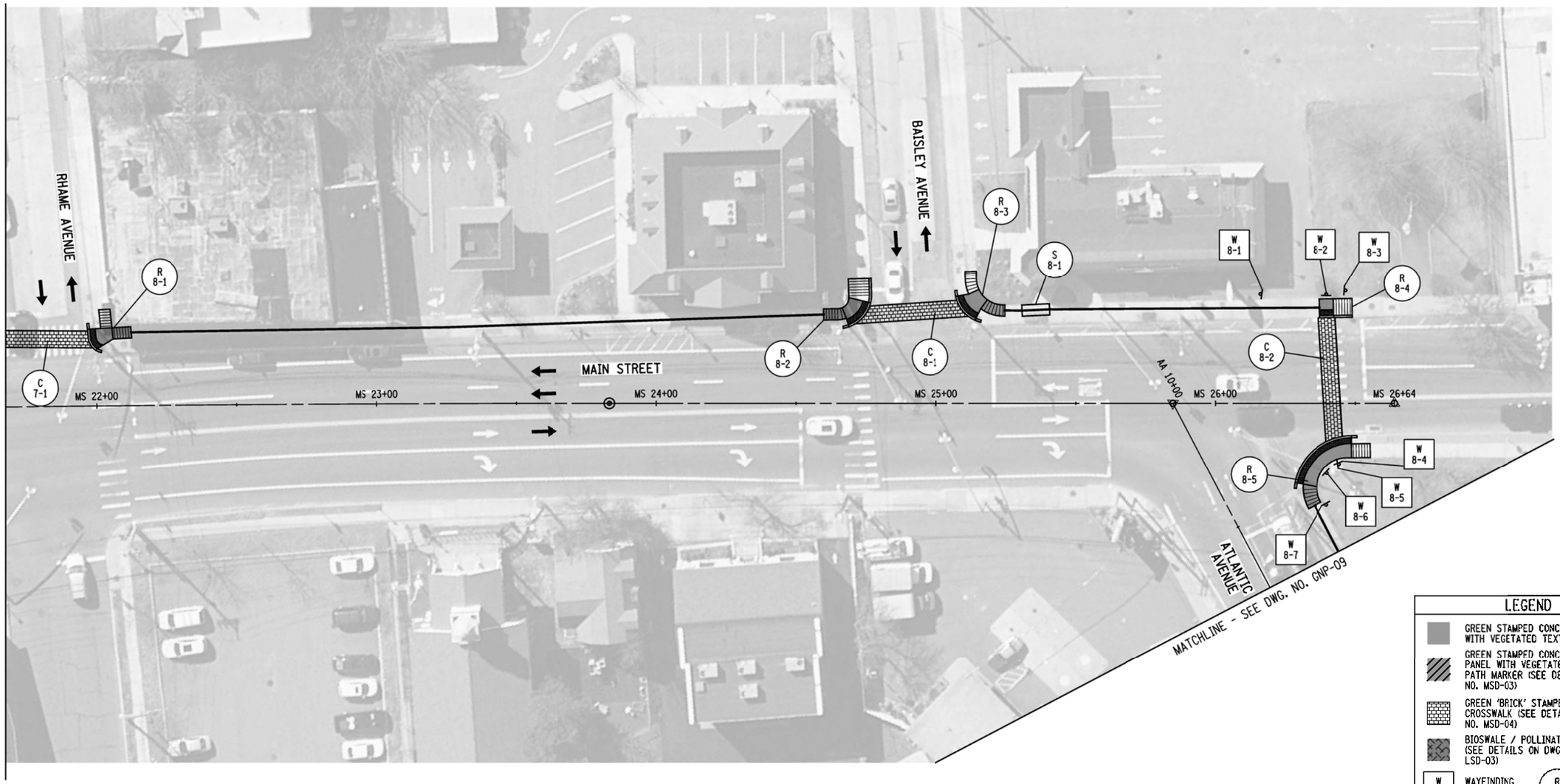
GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the Bay

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK G. SWAYNE | PROJECT MANAGER G. SWAYNE

CHECK G. SWAYNE

FILE NAME = F:\nj\1150\M\1150.04 GOSR Mill River Greenway\CON-Final Design\1150.04_cph_grp_07.dgn
DATE/TIME = 6/12/2020
USER = rswalsh



LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

20 0 20 40 60 80'
1" = 40'

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	LIVING WITH THE BAY - MILL RIVER GREENWAY					
					GENERAL PLAN - 08	DRAWING NO. GNP-08
	TOWN OF HEMPSTEAD					SHEET NO. 46
	COUNTY: NASSAU					

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE | CHECK C. SWAYNE

FILE NAME = F:\nj\1150\NJ1150.84 GOSR Mill River Greenway\GGW Final Design\1150804_cph_grp_B8.dgn
DATE/TIME = 6/12/2020
USER = cswayne

GRID NORTH

LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X WAYFINDING SIGNS
- R X-X CURB RAMPS
- S X-X SIDEWALKS
- C X-X CROSSWALKS
- P X-X POLLINATOR GARDENS
- B X-X BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

20 0 20 40 60 80'
1" = 40'

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN: | BRIDGE | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GENERAL PLAN - 09

CONTRACT NUMBER

DRAWING NO. GNP-09
SHEET NO. 47

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

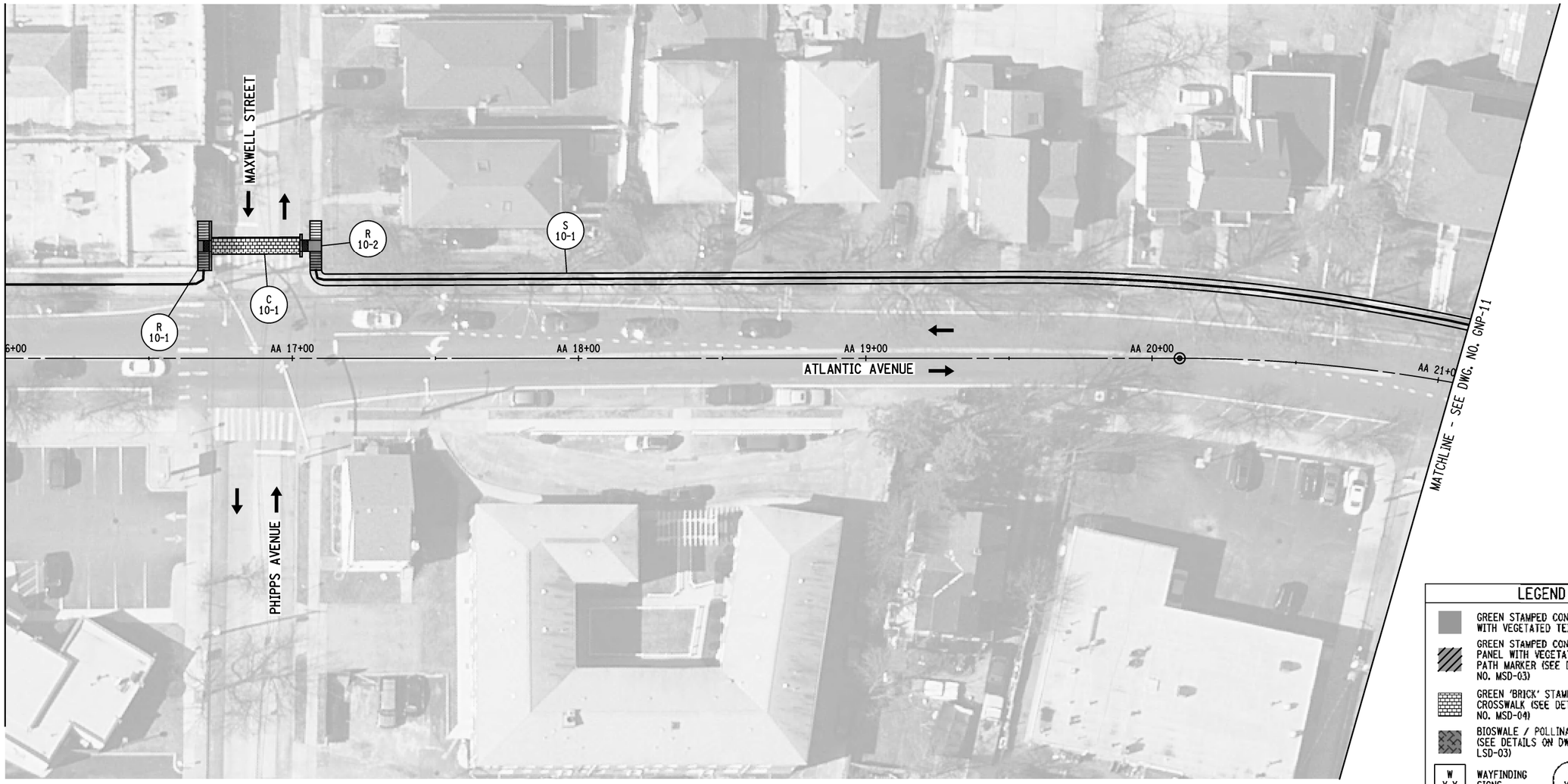
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | CHECK C. SWAYNE | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\nj\1150\M1150.04 GOSR Mill River Greenway\GGW_Final Design\1150004_cph_grp_09.dgn
DATE/TIME = 6/12/2020
USER = cwelsh



LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X WAYFINDING SIGNS
- R X-X CURB RAMPS
- S X-X SIDEWALKS
- C X-X CROSSWALKS
- P X-X POLLINATOR GARDENS
- B X-X BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

20 0 20 40 60 80'
1" = 40'

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN: | BRIDGE | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GENERAL PLAN - 10

CONTRACT NUMBER

DRAWING NO. GNP-10
SHEET NO. 48

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

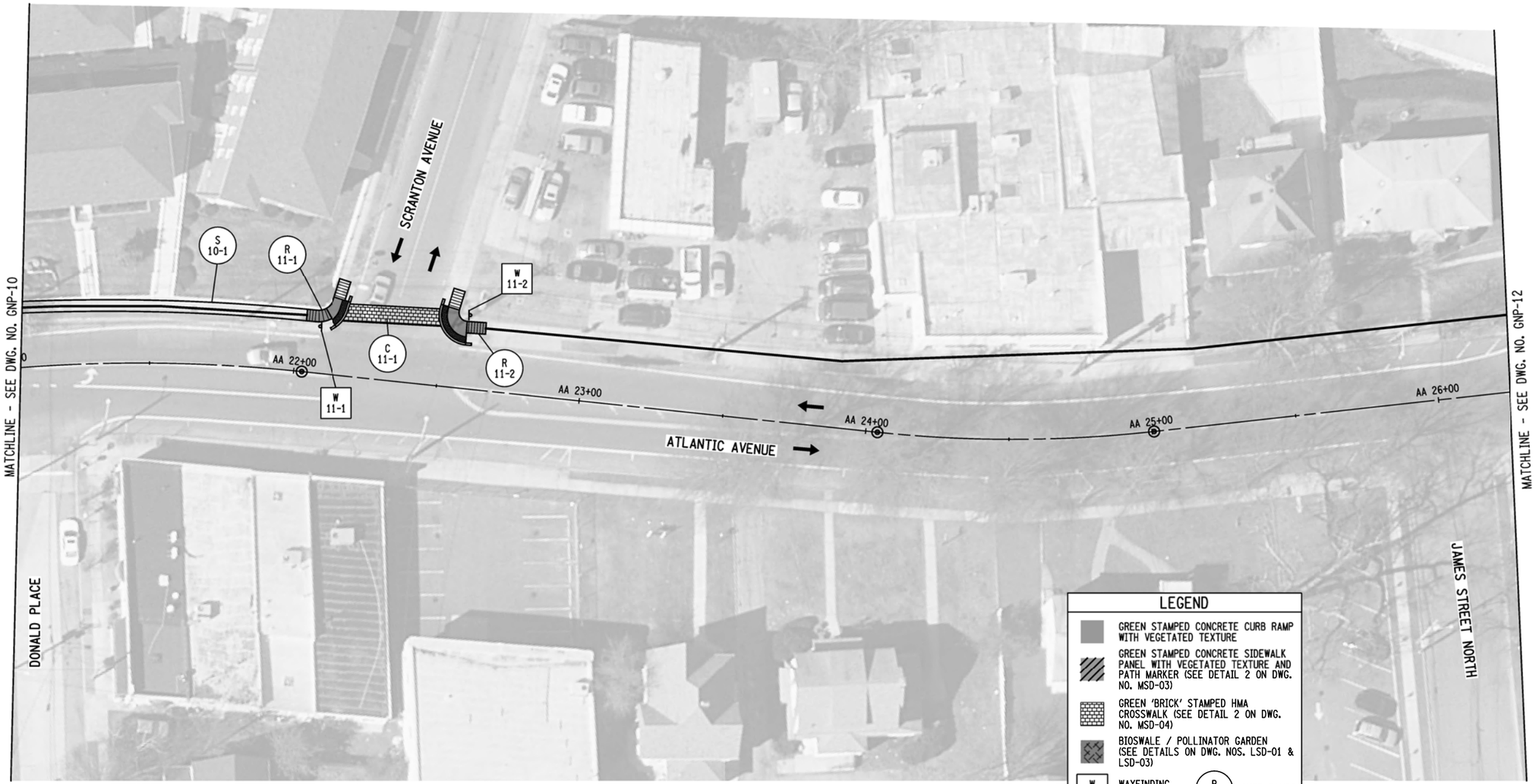
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK G. SWAYNE | PROJECT MANAGER G. SWAYNE | CHECK G. SWAYNE

FILE NAME = F:\nj\1150\M\1150.04 GOSR Mill River Greenway\GOSR Final Design\1150.04_cph_grp_10.dgn
DATE/TIME = 6/12/2020
USER = cwelsh



LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- CREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

20 0 20 40 60 80'
1" = 40'

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	LIVING WITH THE BAY - MILL RIVER GREENWAY				GENERAL PLAN - 11	
						DRAWING NO. GNP-11
	TOWN OF HEMPSTEAD					SHEET NO. 49
	COUNTY: NASSAU					

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

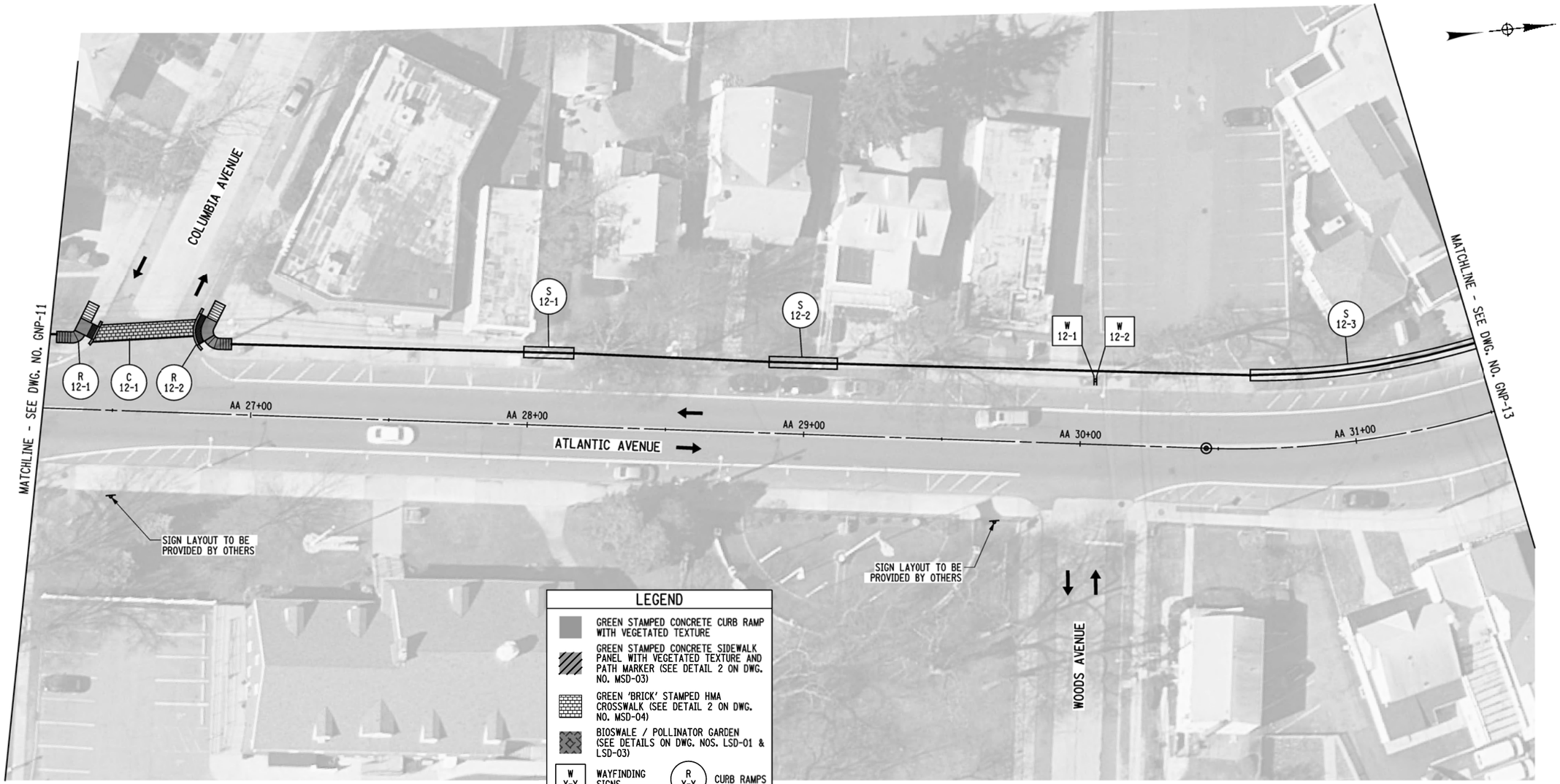
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | CHECK C. SWAYNE | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\nj\150\04\0150404 GOSR Mill River Greenway\DGN\Final Design\0150404_cph-gnp_11.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.

20 0 20 40 60 80'
1" = 40'

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN:

BRIDGE

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GENERAL PLAN - 12

CONTRACT NUMBER

DRAWING NO. GNP-12
SHEET NO. 50

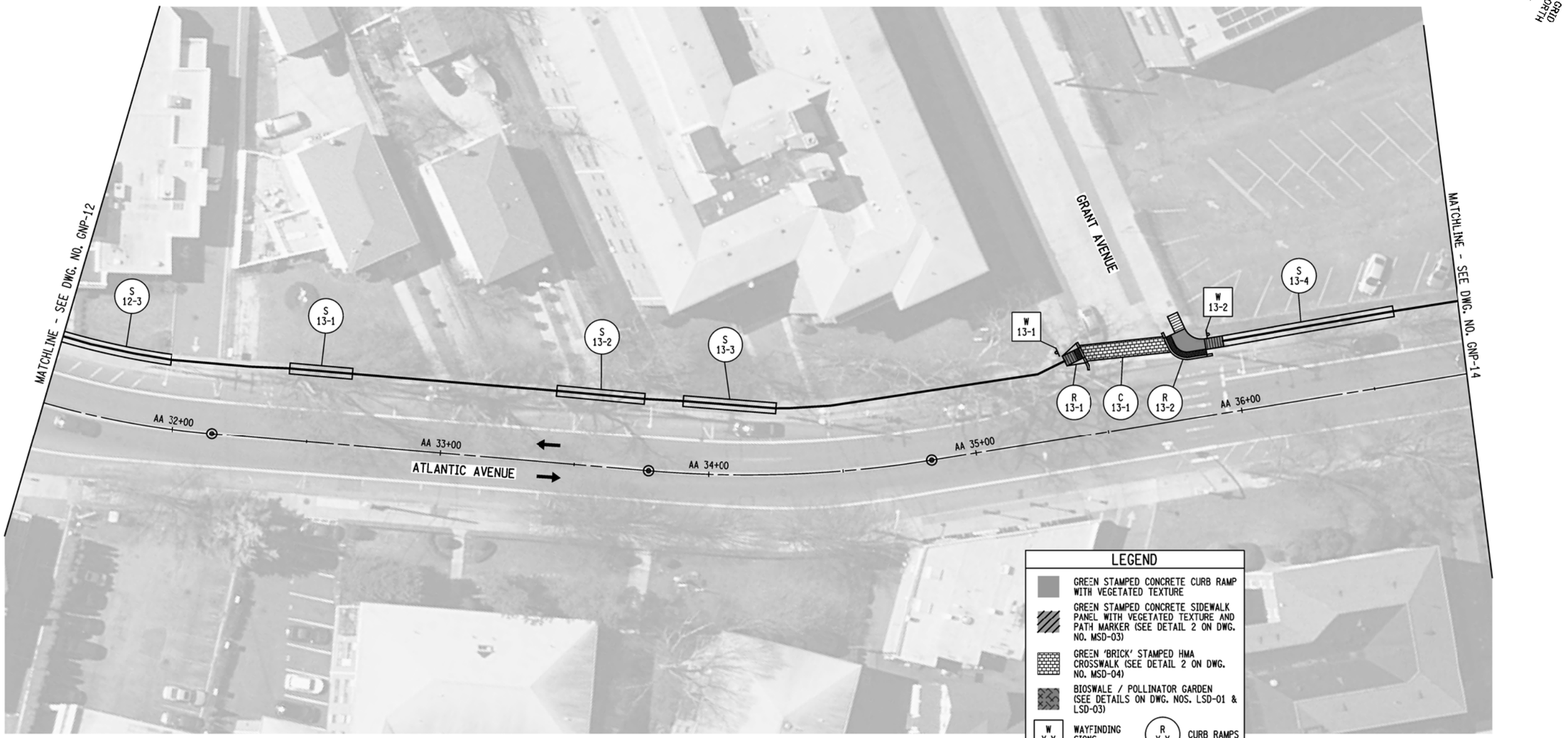
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1633 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK G. SWAYNE | CHECK G. SWAYNE | PROJECT MANAGER G. SWAYNE

FILE NAME = F:\nj\1150\dgn\1150184 GOSR Mill River Greenway\GOSR Final Design\1150184_cph_gnp_12.dgn
DATE/TIME = 5/12/2020
USER = mwalsh



LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

20 0 20 40 60 80'
1" = 40'

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN:

BRIDGE

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GENERAL PLAN - 13

CONTRACT NUMBER

DRAWING NO. GNP-13
SHEET NO. 51

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

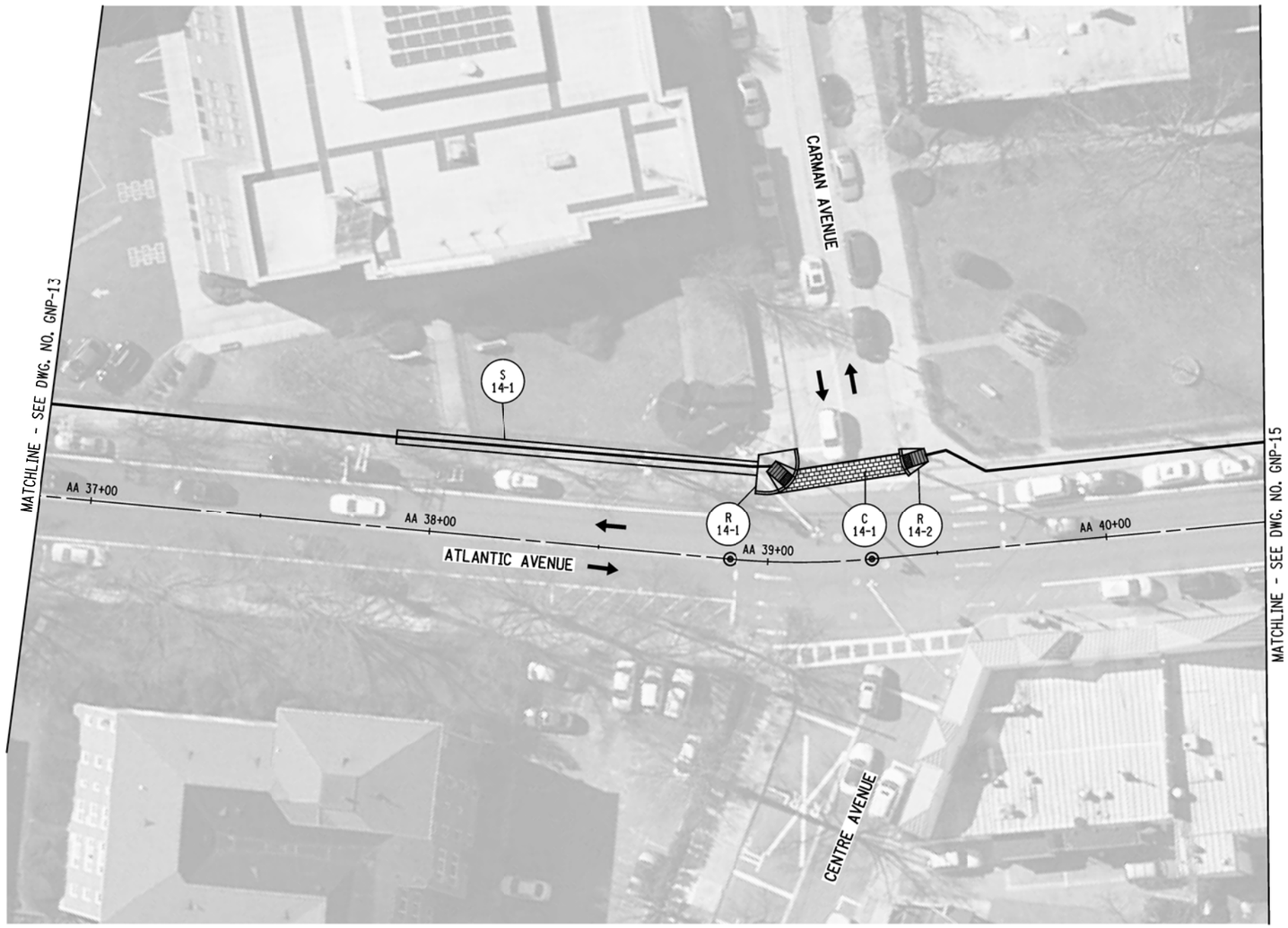
Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | CHECK G. SWAYNE | DRAFTING M. WALSH | CHECK G. SWAYNE | PROJECT MANAGER G. SWAYNE

FILE NAME = F:\nyl1150\MJ\1150.84 GOSR Mill River Greenway\CON\Final Design\1150084_cph_gnp_13.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. WSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. WSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)



20 0 20 40 60 80'
1" = 40'

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN: | BRIDGE | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GENERAL PLAN - 14

CONTRACT NUMBER

DRAWING NO. GNP-14
SHEET NO. 52

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1633 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | CHECK C. SWAYNE | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

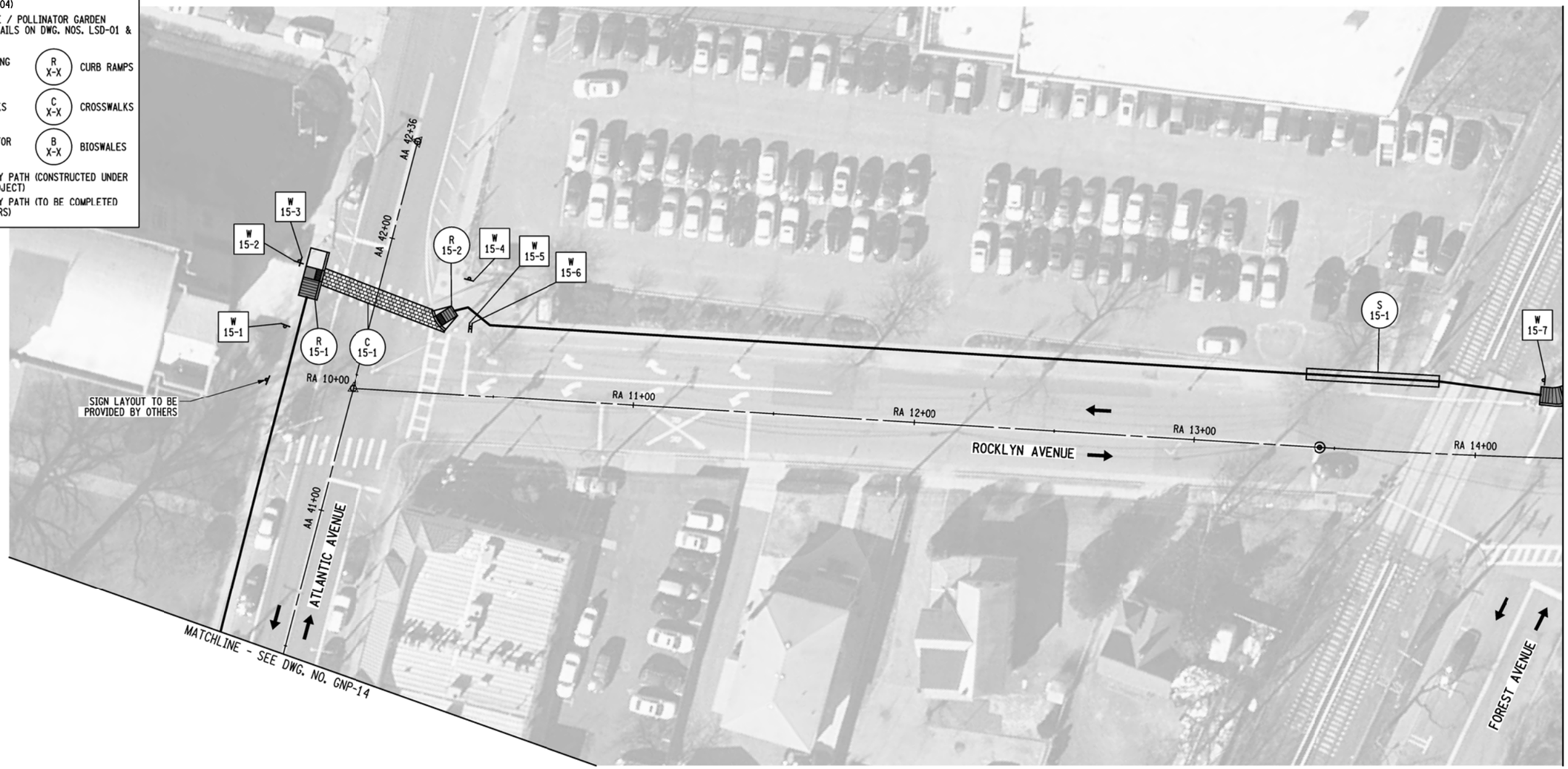
FILE NAME = F:\u1150\d1150804 GOSR Mill River Greenway\GOSR Final Design\1150804_cph_gnp_14.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | CHECK C. SWAYNE | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\nj\1150\MJ1150.84 GOSR Mill River Greenway\GGN Final Design\1150.84_cph_gnp_15.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)



PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.

20 0 20 40 60 80'
1" = 40'

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	LIVING WITH THE BAY - MILL RIVER GREENWAY				GENERAL PLAN - 15	
	TOWN OF HEMPSTEAD					DRAWING NO. GNP-15
	COUNTY: NASSAU					SHEET NO. 53

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the Bay

LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

20 0 20 40 60 80′
1" = 40′

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	LIVING WITH THE BAY - MILL RIVER GREENWAY				GENERAL PLAN - 16	
	TOWN OF HEMPSTEAD					DRAWING NO. GNP-16
	COUNTY: NASSAU					SHEET NO. 54

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE | CHECK C. SWAYNE

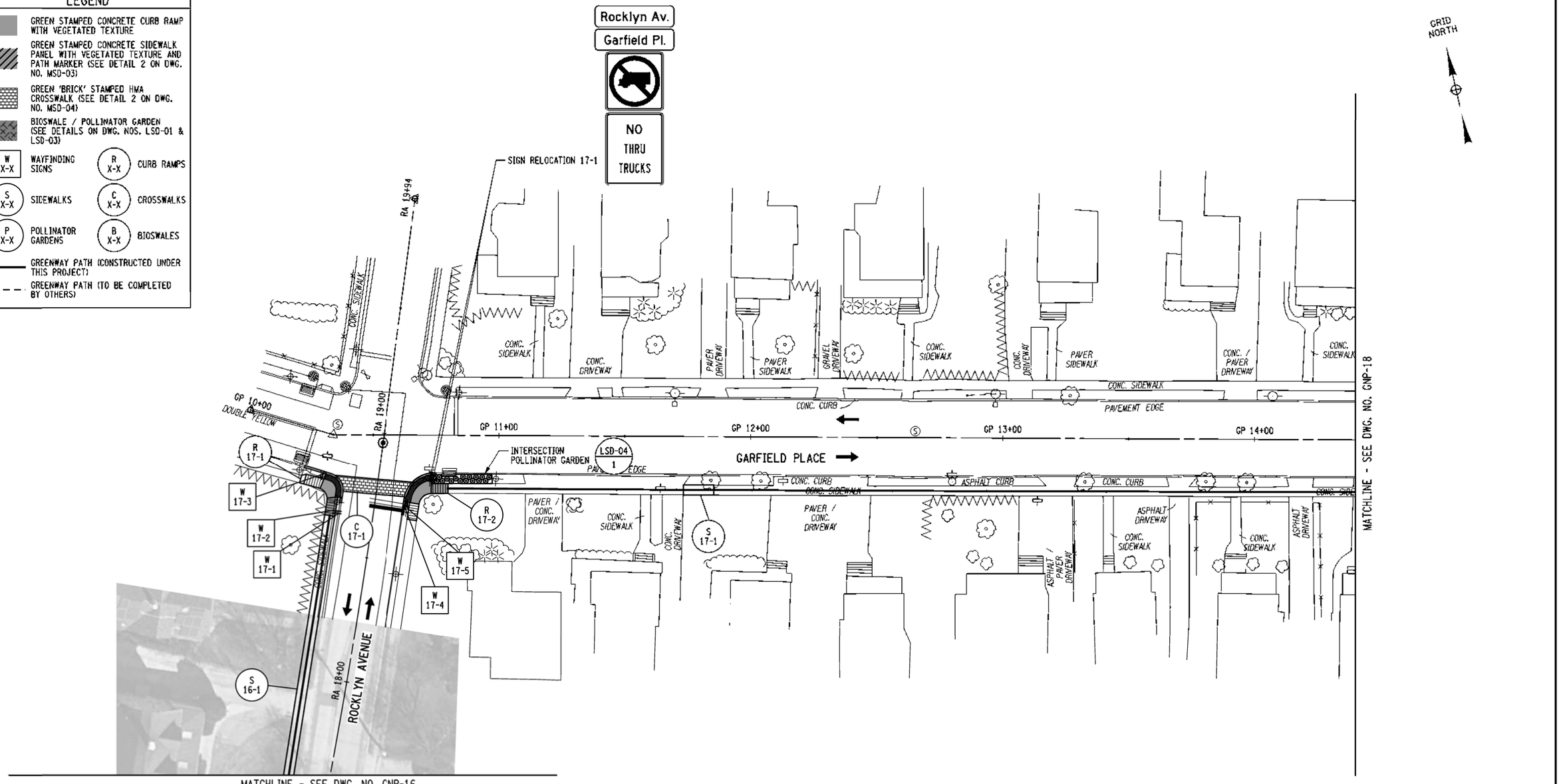
FILE NAME = F:\mj\1150\M1150.04 GOSR Mill River Greenway\GOSR Final Design\1150.04_cph_grp_16.dgn
DATE/TIME = 6/12/2020
USER = cwelsh

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\n\1150\d\1150.04 GOSR Mill River Greenway\GDM Final Design\1150.04_cph-gnp-17.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)



PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.
2. OVERHEAD UTILITY LINES NOT SHOWN FOR CLARITY.

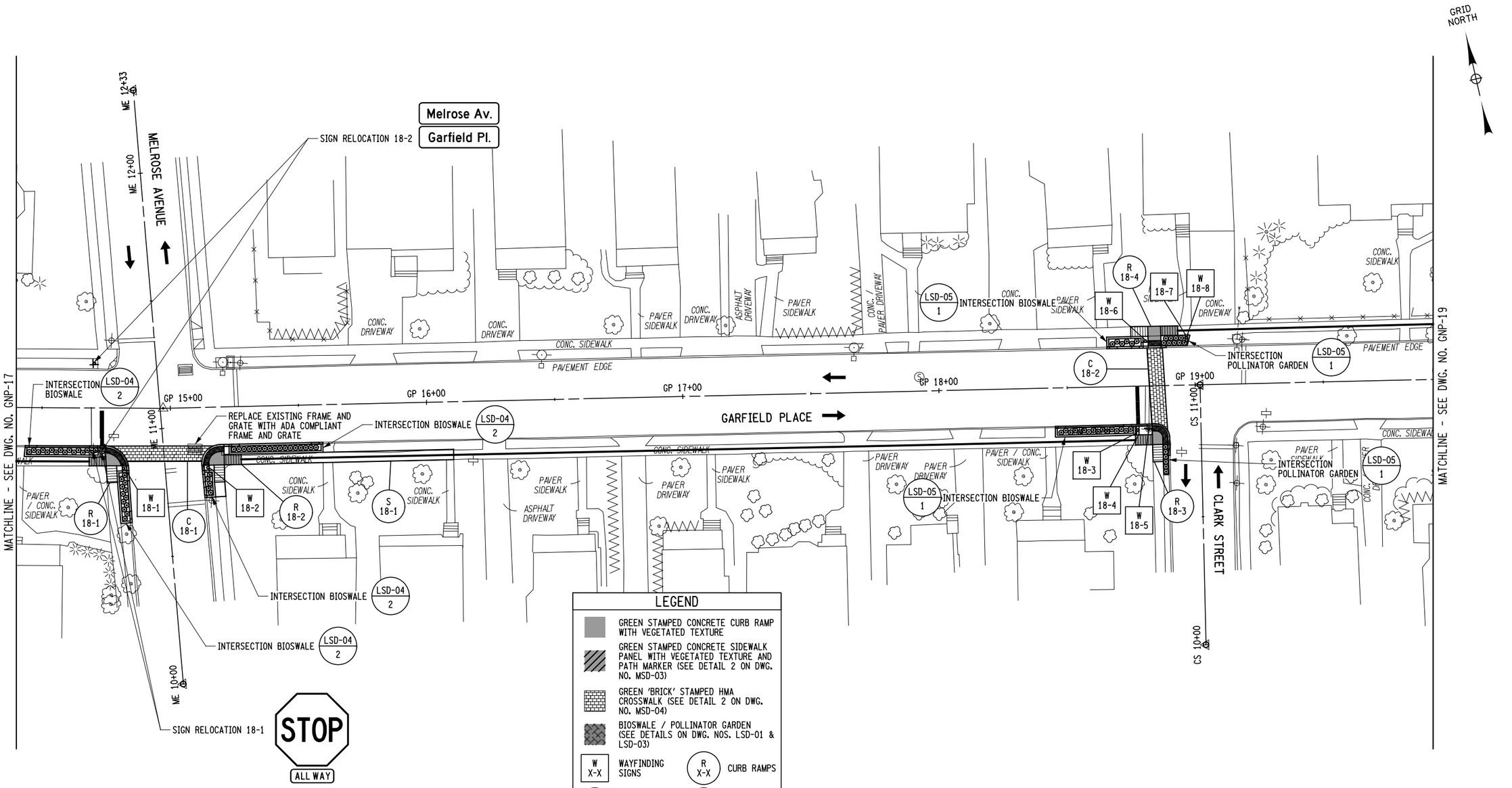
20 0 20 40 60 80'
1" = 40'

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	LIVING WITH THE BAY - MILL RIVER GREENWAY				GENERAL PLAN - 17	DRAWING NO. GNP-17
	TOWN OF HEMPSTEAD					SHEET NO. 55
	COUNTY: NASSAU					

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1633 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY



LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

20 0 20 40 60 80′
1" = 40′

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.
2. OVERHEAD UTILITY LINES NOT SHOWN FOR CLARITY.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN:

BRIDGE

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GENERAL PLAN - 18

CONTRACT NUMBER

DRAWING NO. GNP-18
SHEET NO. 56

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

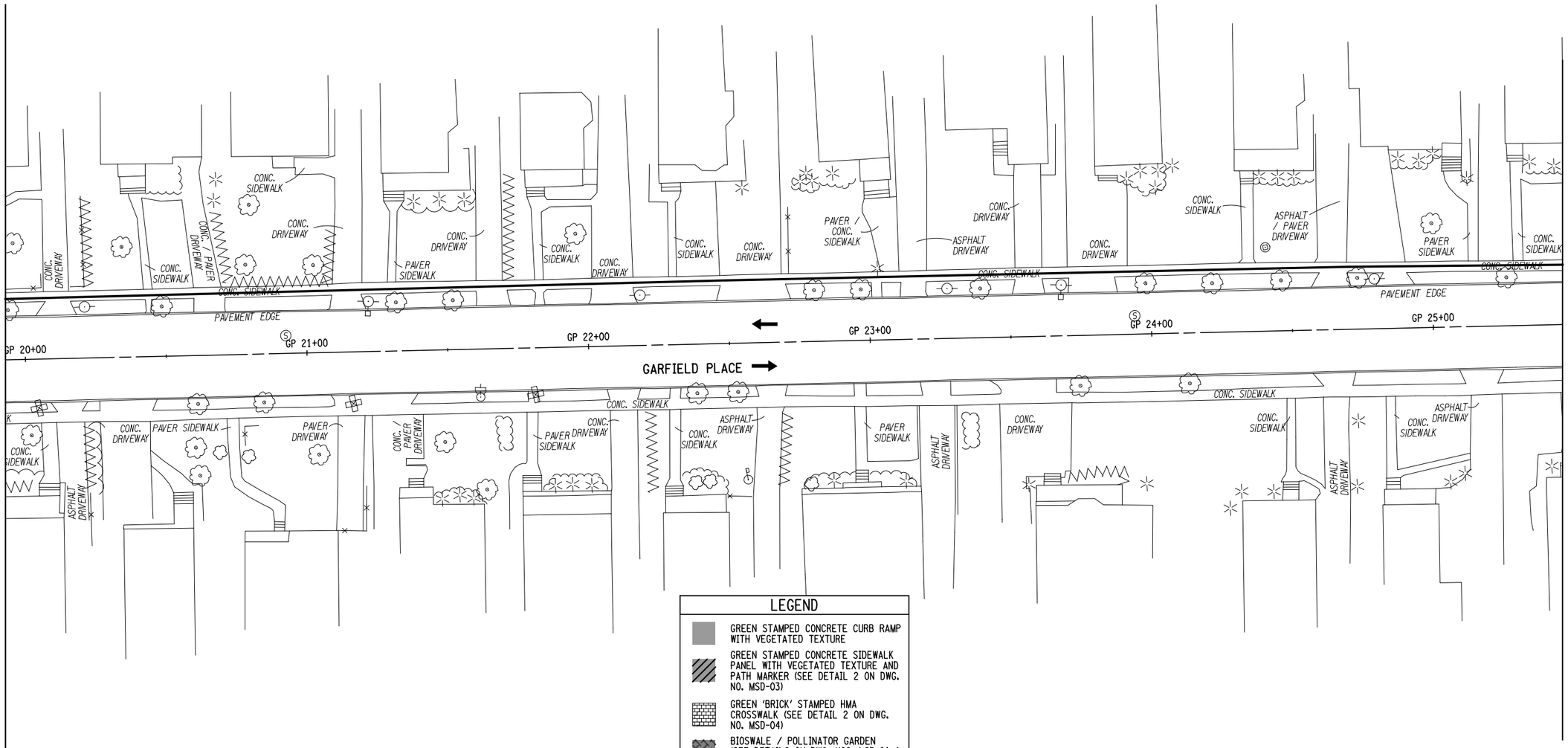
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI
JOB MANAGER B. COOPER
DESIGN M. WALSH
DRAFTING M. WALSH
CHECK C. SWAYNE
PROJECT MANAGER C. SWAYNE
CHECK C. SWAYNE

FILE NAME = F:\mj\1150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\1150004_cph_gnp_18.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.
2. OVERHEAD UTILITY LINES NOT SHOWN FOR CLARITY.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED GENERAL PLAN - 19	CONTRACT NUMBER DRAWING NO. GNP-19 SHEET NO. 57

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

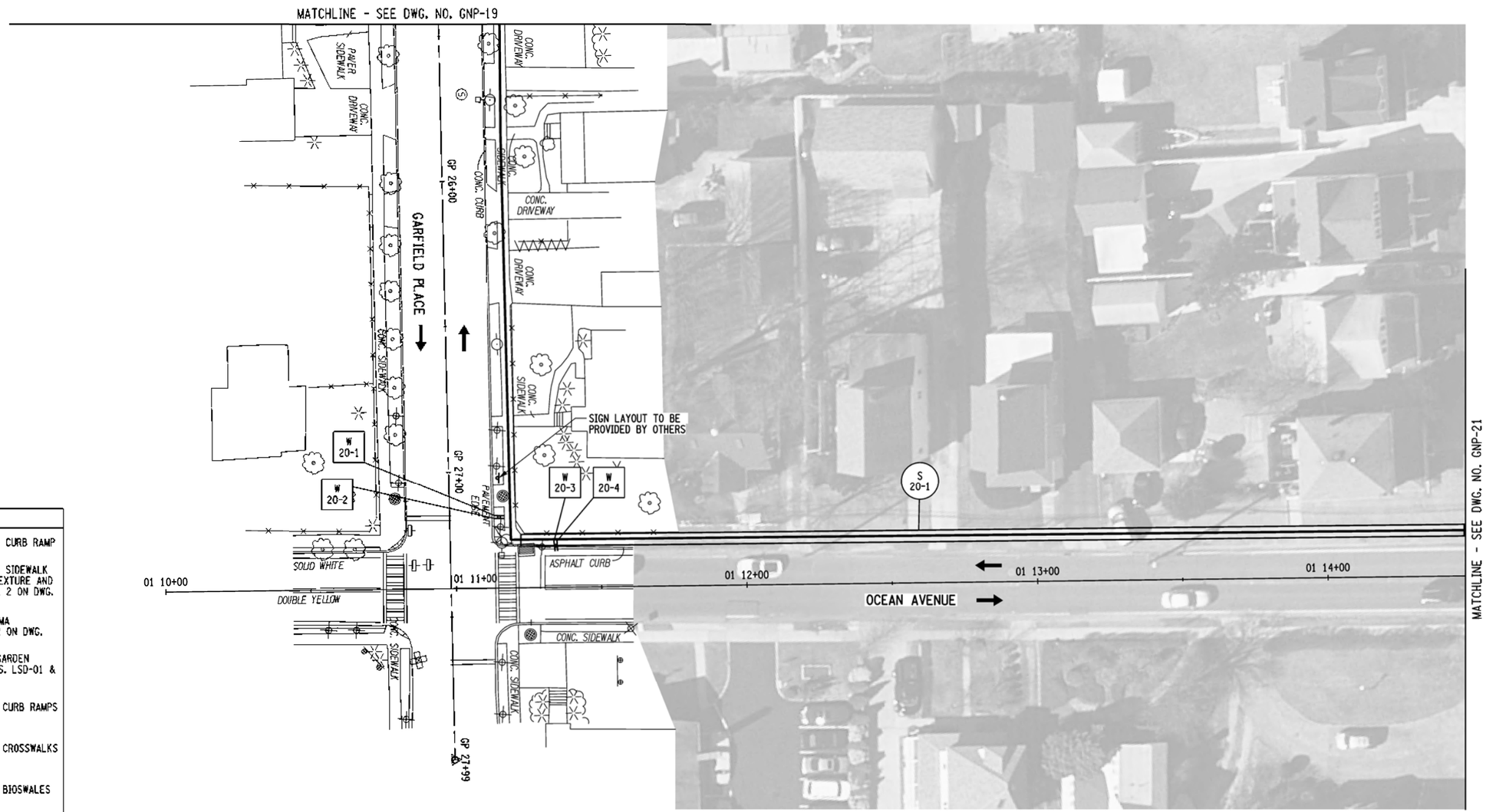
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE | CHECK C. SWAYNE

FILE NAME = F:\m_dl150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\1150104_cph_gnp_19.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.
2. OVERHEAD UTILITY LINES NOT SHOWN FOR CLARITY.

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	LIVING WITH THE BAY - MILL RIVER GREENWAY				GENERAL PLAN - 20	
	TOWN OF HEMPSTEAD					DRAWING NO. GNP-20
	COUNTY: NASSAU					SHEET NO. 58

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1633 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

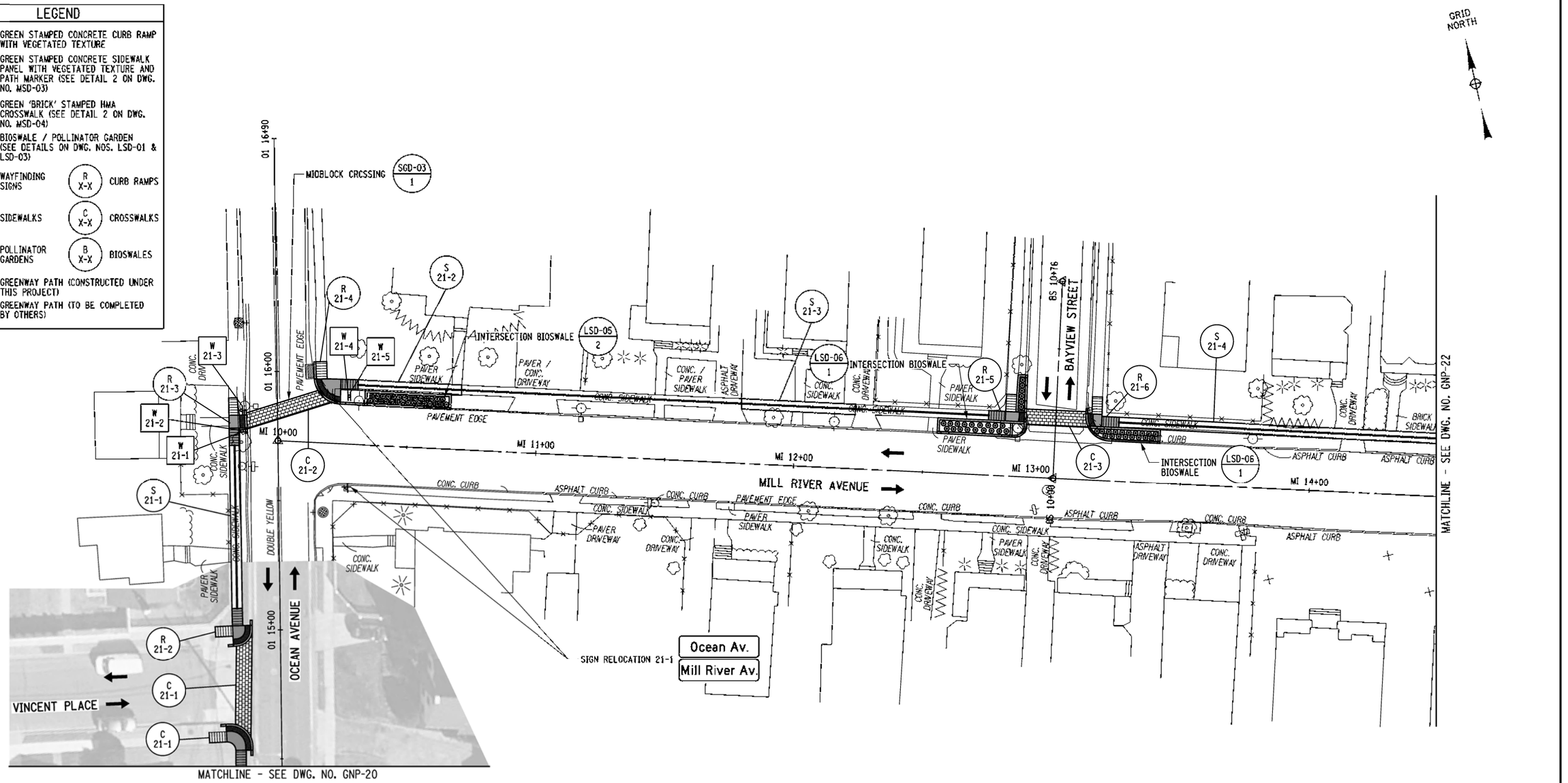
Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE | CHECK C. SWAYNE

FILE NAME = F:\u115804\u115804 GOSR Mill River Greenway\GOSR Final Design\115804_cph_gnp_20.dgn
DATE/TIME = 5/12/2020
USER = mwalsh

LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)



20 0 20 40 60 80'
1" = 40'

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.
2. OVERHEAD UTILITY LINES NOT SHOWN FOR CLARITY.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:	AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION			LIVING WITH THE BAY - MILL RIVER GREENWAY				GENERAL PLAN - 21	DRAWING NO. GNP-21
			TOWN OF HEMPSTEAD					SHEET NO. 59
			COUNTY: NASSAU					

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

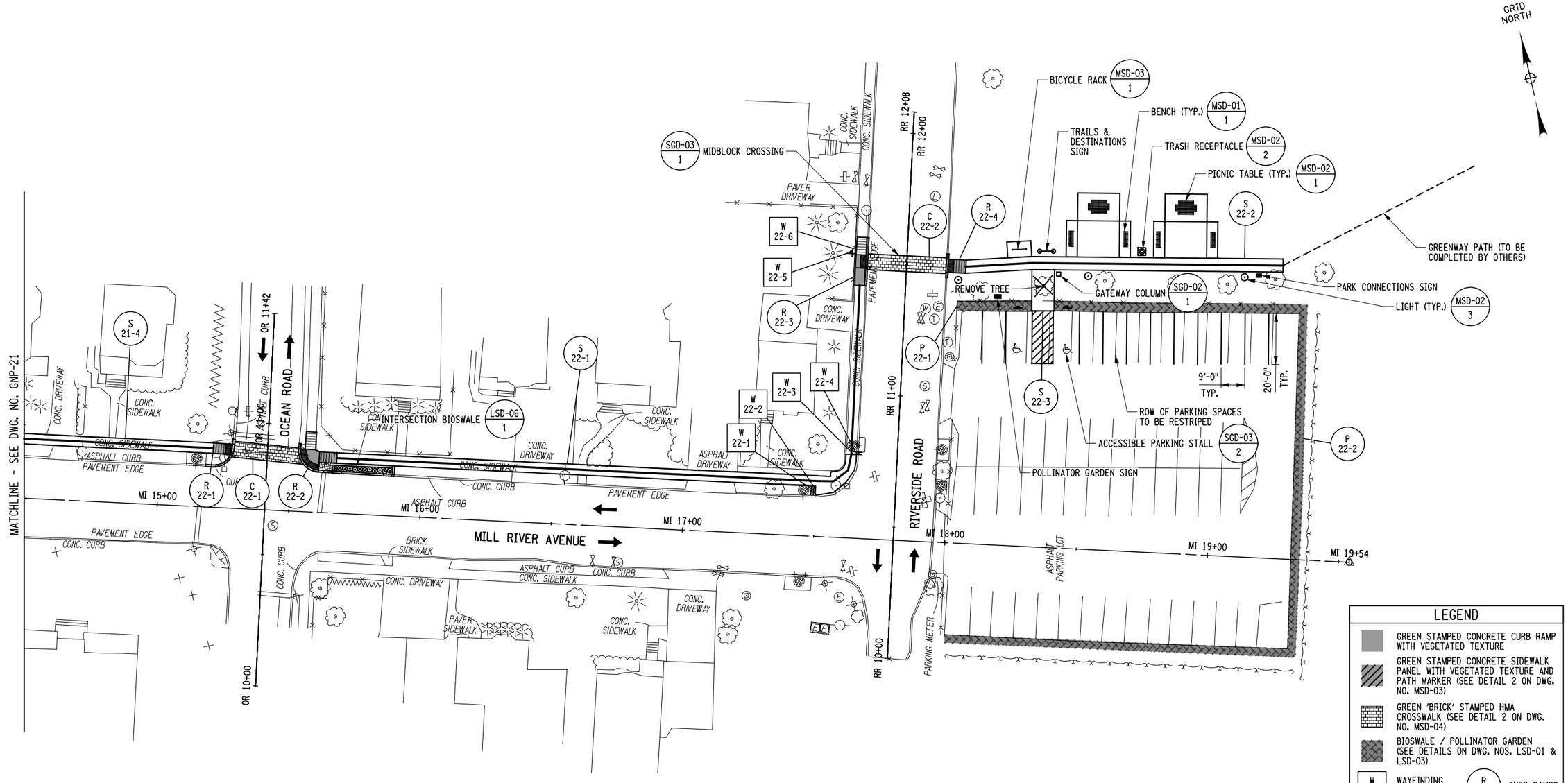
Engineering and Land Surveying, P.C. 1033 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | CHECK C. SWAYNE | DRAFTING M. WALSH | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\nj1150\x\M1150.84 GOSR Mill River Greenway\DGN\Final Design\1150804_cph_gnp_21.dgn
DATE/TIME = 6/27/2020
USER = mwalsh



LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X WAYFINDING SIGNS
- R X-X CURB RAMPS
- S X-X SIDEWALKS
- C X-X CROSSWALKS
- P X-X POLLINATOR GARDENS
- B X-X BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

20 0 20 40 60 80′
1" = 40′

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.
2. OVERHEAD UTILITY LINES NOT SHOWN FOR CLARITY.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	LIVING WITH THE BAY - MILL RIVER GREENWAY				GENERAL PLAN - 22	
	TOWN OF HEMPSTEAD					DRAWING NO. GNP-22
	COUNTY: NASSAU					SHEET NO. 60

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road • Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE | CHECK C. SWAYNE

FILE NAME = F:\mjl150\MJ1150.04 GOSR Mill River Greenway\GDN_Final Design\1150.04_cph-gnp_22.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

MATCHLINE - SEE DWG. NO. GNP-24

MATCHLINE - SEE DWG. NO. GNP-25

MILL RIVER

POLLINATOR GARDEN SIGN

P 23-2

P 23-1

RESET EXISTING STEPHEN E. TIGHE MEMORIAL PARK SIGN

TIGHE FIELD MEMORIAL

MSD-04 1

GRID NORTH

WINDSOR AVENUE

LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

20 0 20 40 60 80'

1" = 40'

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:	AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED GENERAL PLAN - 23	CONTRACT NUMBER DRAWING NO. GNP-23 SHEET NO. 61

PERMIT SET SUBMISSION
NOT FOR CONSTRUCTION

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

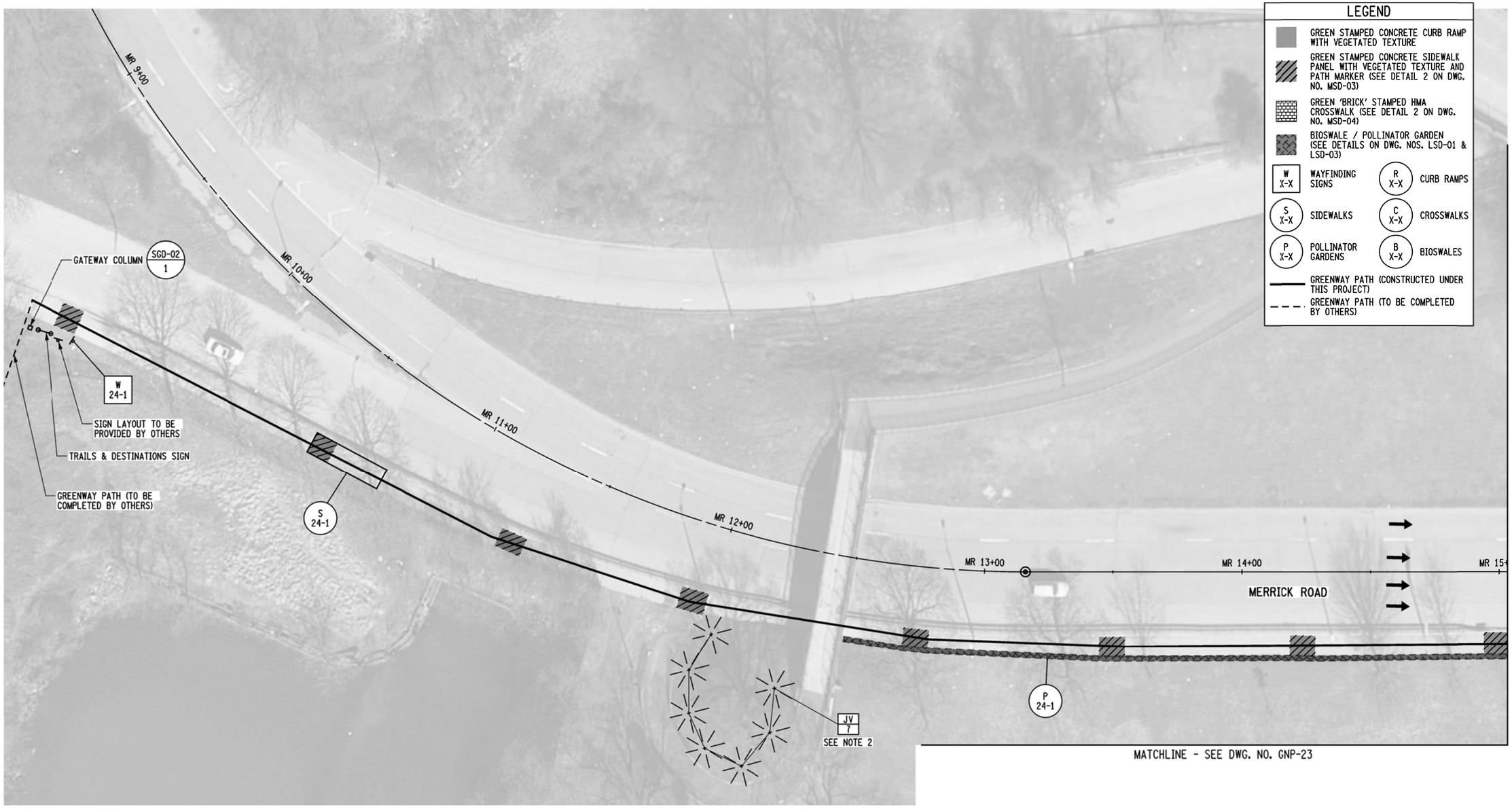
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\n\115084\115084 GOSR Mill River Greenway\GGN_Final Design\115084_cph_gnp_23.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

GRID NORTH

20 0 20 40 60 80'
1" = 40'

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.
2. SEE DWG. NO. LSD-03 FOR PLANT SCHEDULE.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:					
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED GENERAL PLAN - 24
						CONTRACT NUMBER DRAWING NO. GNP-24 SHEET NO. 62

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C. 1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | CHECK C. SWAYNE | DRAFTING M. WALSH | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\n\115084\115084 GOSR Mill River Greenway\GOSR_Final Design\115084_oph_gnp_24.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

20 0 20 40 60 80'
1" = 40'

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:					
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED GENERAL PLAN - 25
						CONTRACT NUMBER DRAWING NO. GNP-25 SHEET NO. 63

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

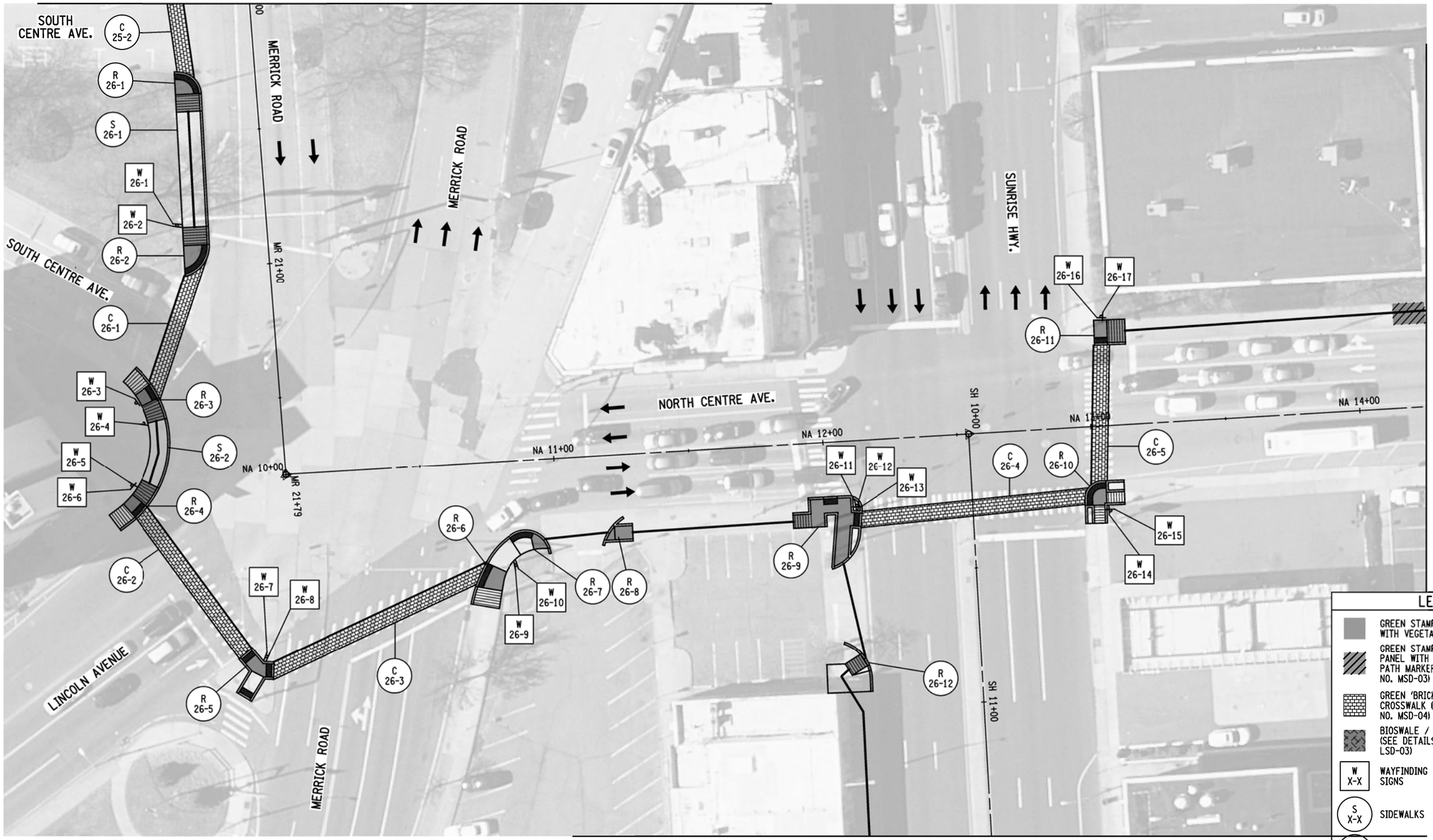
Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | CHECK C. SWAYNE | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\n\1150\41150.84 GOSR Mill River Greenway\GOSR Final Design\1150884_cph-gnp-25.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

MATCHLINE - SEE DWG. NO. GNP-25

GRID NORTH



MATCHLINE - SEE DWG. NO. GNP-29

MATCHLINE - SEE DWG. NO. GNP-27

LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

20 0 20 40 60 80′

1" = 40′

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN:

BRIDGE

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GENERAL PLAN - 26

CONTRACT NUMBER

DRAWING NO. GNP-26

SHEET NO. 64

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

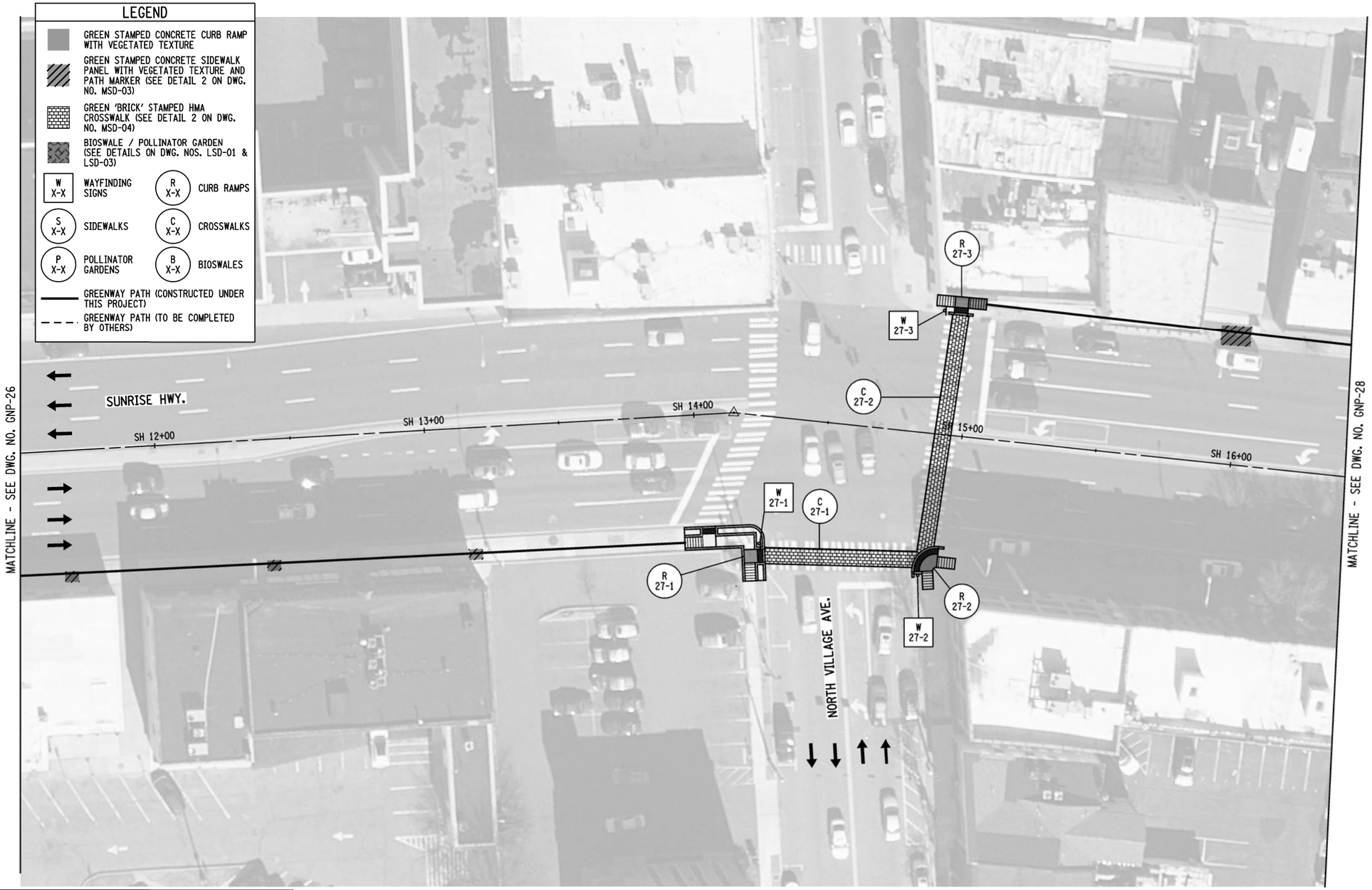
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | DRAFTING M. WALSH | JOB MANAGER B. COOPER | DESIGN M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\nj\150\d\150104 GOSR Mill River Greenway\GGN\Final Design\150804_cph-gnp_26.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.

20 0 20 40 60 80'
1" = 40'

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED GENERAL PLAN - 27	CONTRACT NUMBER DRAWING NO. GNP-27 SHEET NO. 65

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

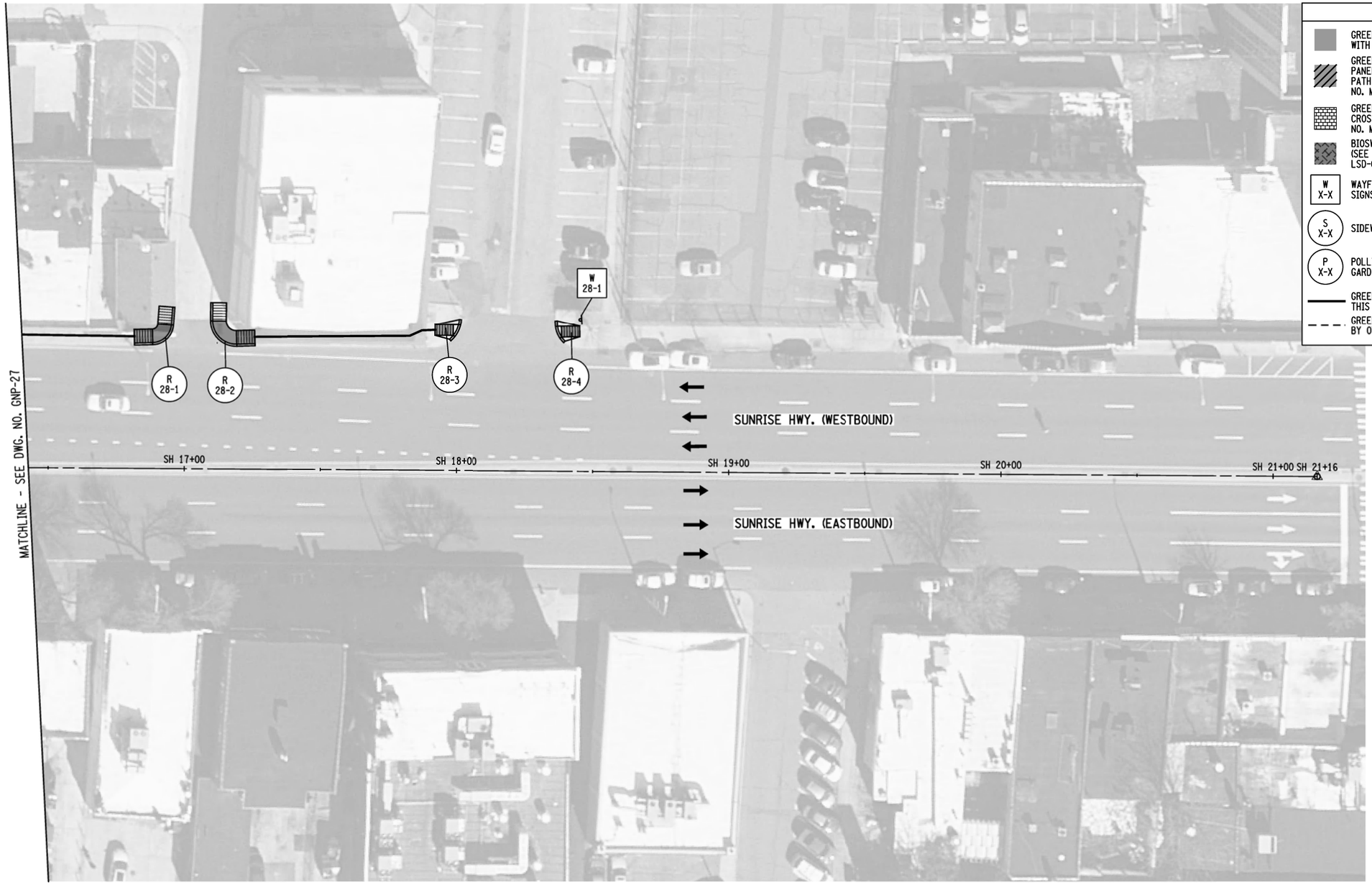
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE | CHECK C. SWAYNE

FILE NAME = F:\mj\1150\M-1150.04 GOSR Mill River Greenway\DGN Final Design\1150.04_cph_gnp-27.dgn
DATE/TIME = 6/12/2020
USER = cwelsh



PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.

20 0 20 40 60 80'
1" = 40'

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED GENERAL PLAN - 28	CONTRACT NUMBER DRAWING NO. GNP-28 SHEET NO. 66

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

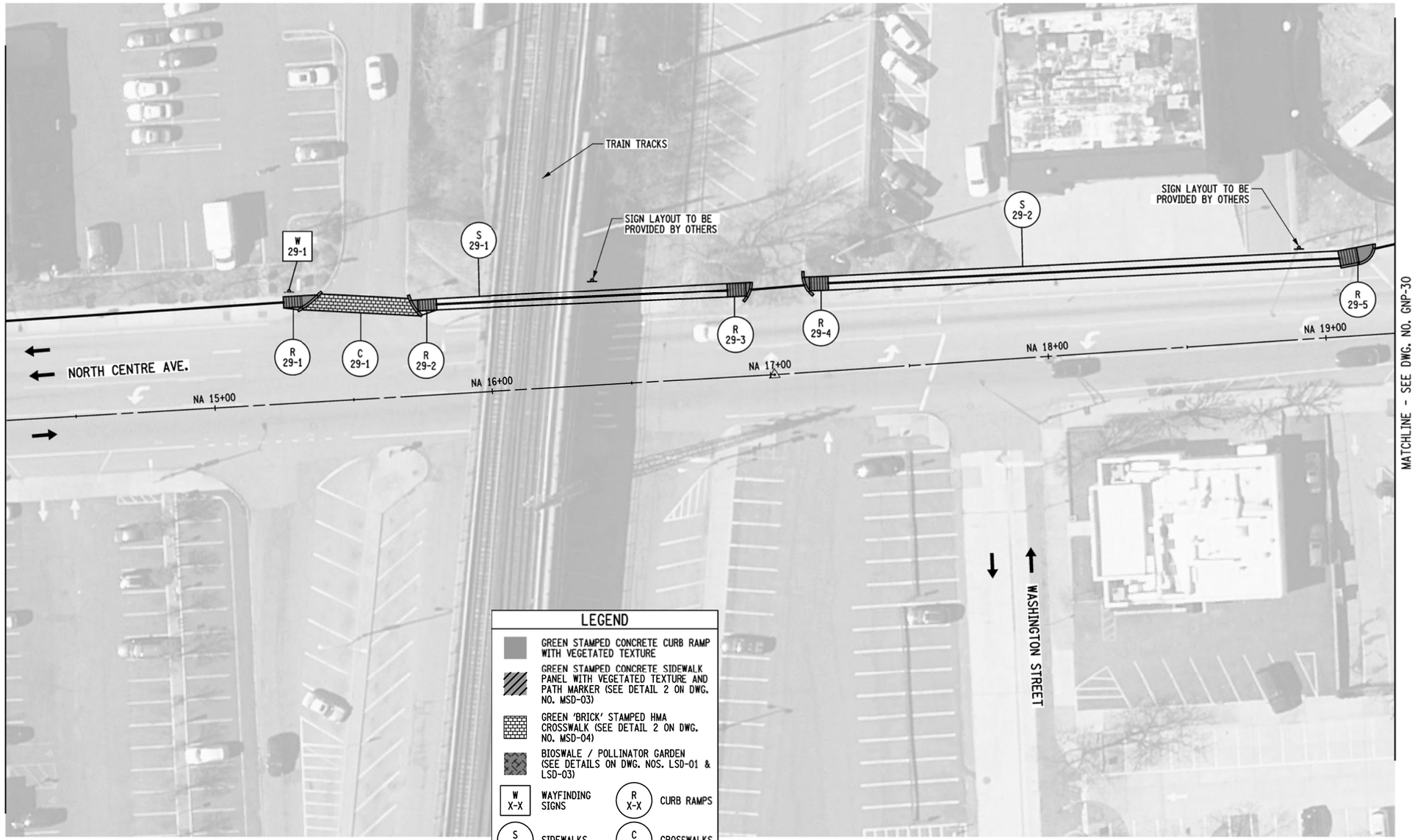
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\nj\150\x\1150.64 GOSR Mill River Greenway\GGW-Final Design\1150804_cph_gnp_28.dgn
DATE/TIME = 6/27/2020
USER = mwalsh



LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.

20 0 20 40 60 80'
1" = 40'

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN: | BRIDGE | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GENERAL PLAN - 29

CONTRACT NUMBER

DRAWING NO. GNP-29
SHEET NO. 67

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the Bay

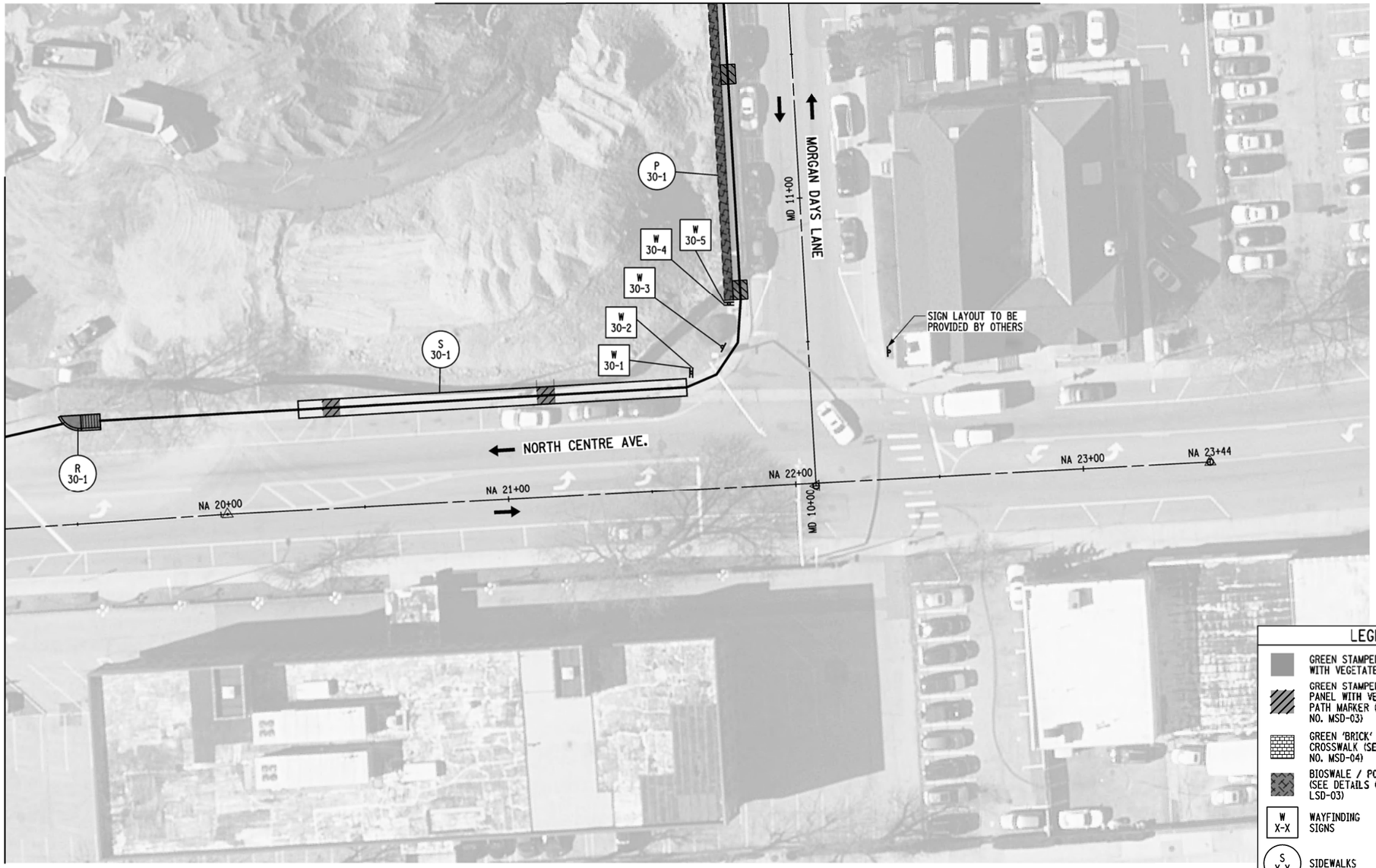
DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\nj\1150\ni1150804 GOSR Mill River Greenway\GDN_Final Design\i1150804_cph_gnp_29.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE | CHECK C. SWAYNE
FILE NAME = F:\mj\1150\mj1150104 GOSR Mill River Greenway\CDM\Final Design\1150104_cph_grp_30.dgn
DATE/TIME = 6/12/2020
USER = emalish

GRID NORTH

MATCHLINE - SEE DWG. NO. GNP-31



MATCHLINE - SEE DWG. NO. GNP-29

20 0 20 40 60 80'
1" = 40'

LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN:

BRIDGE

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

CONTRACT NUMBER

GENERAL PLAN - 30

DRAWING NO. GNP-30

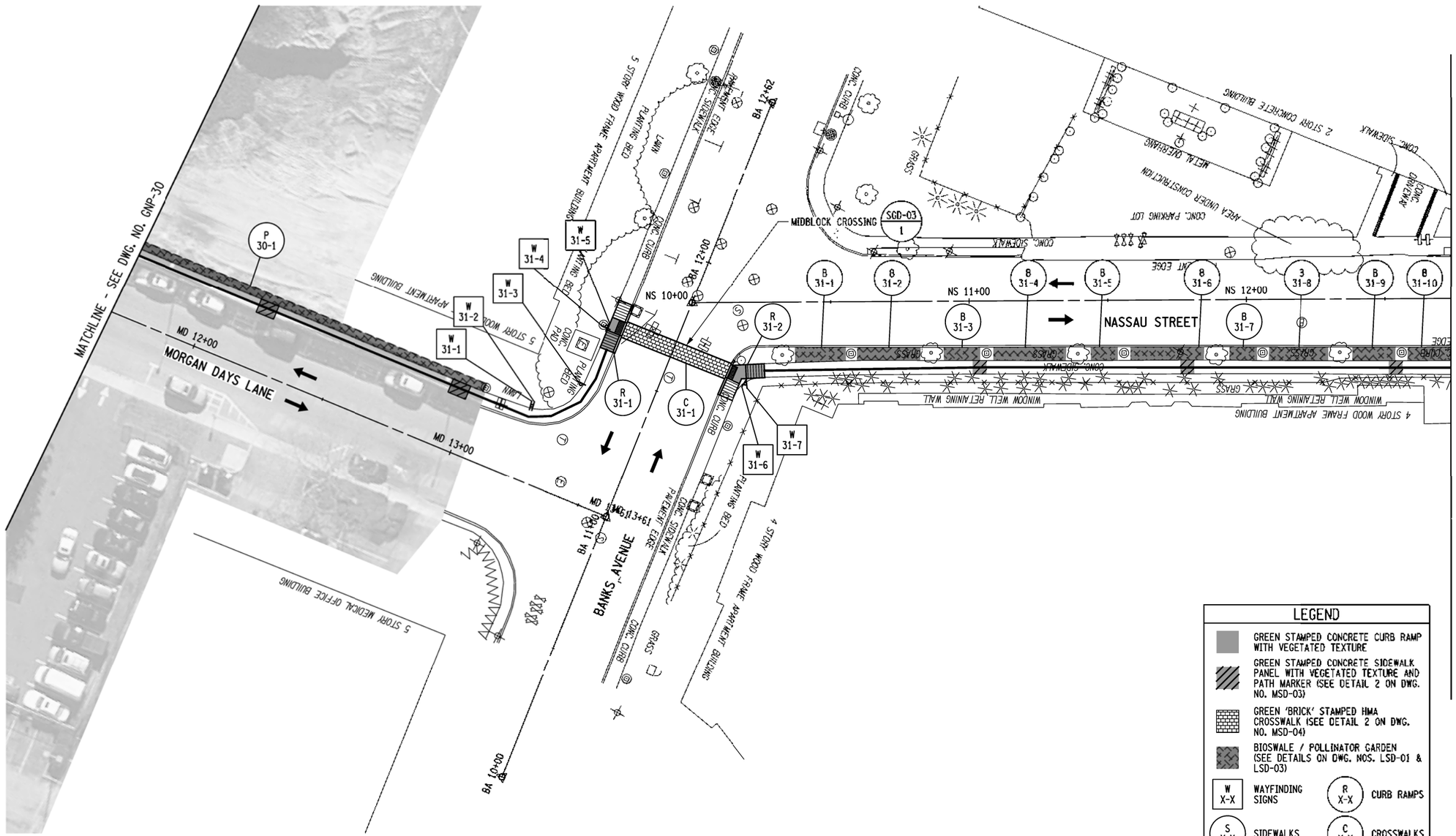
SHEET NO. 68

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1633 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY



LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

20 0 20 40 60 80'
1" = 40'

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.
2. OVERHEAD UTILITY LINES NOT SHOWN FOR CLARITY.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN: | BRIDGE | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

CONTRACT NUMBER

GENERAL PLAN - 31

DRAWING NO. GNP-31
SHEET NO. 69

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

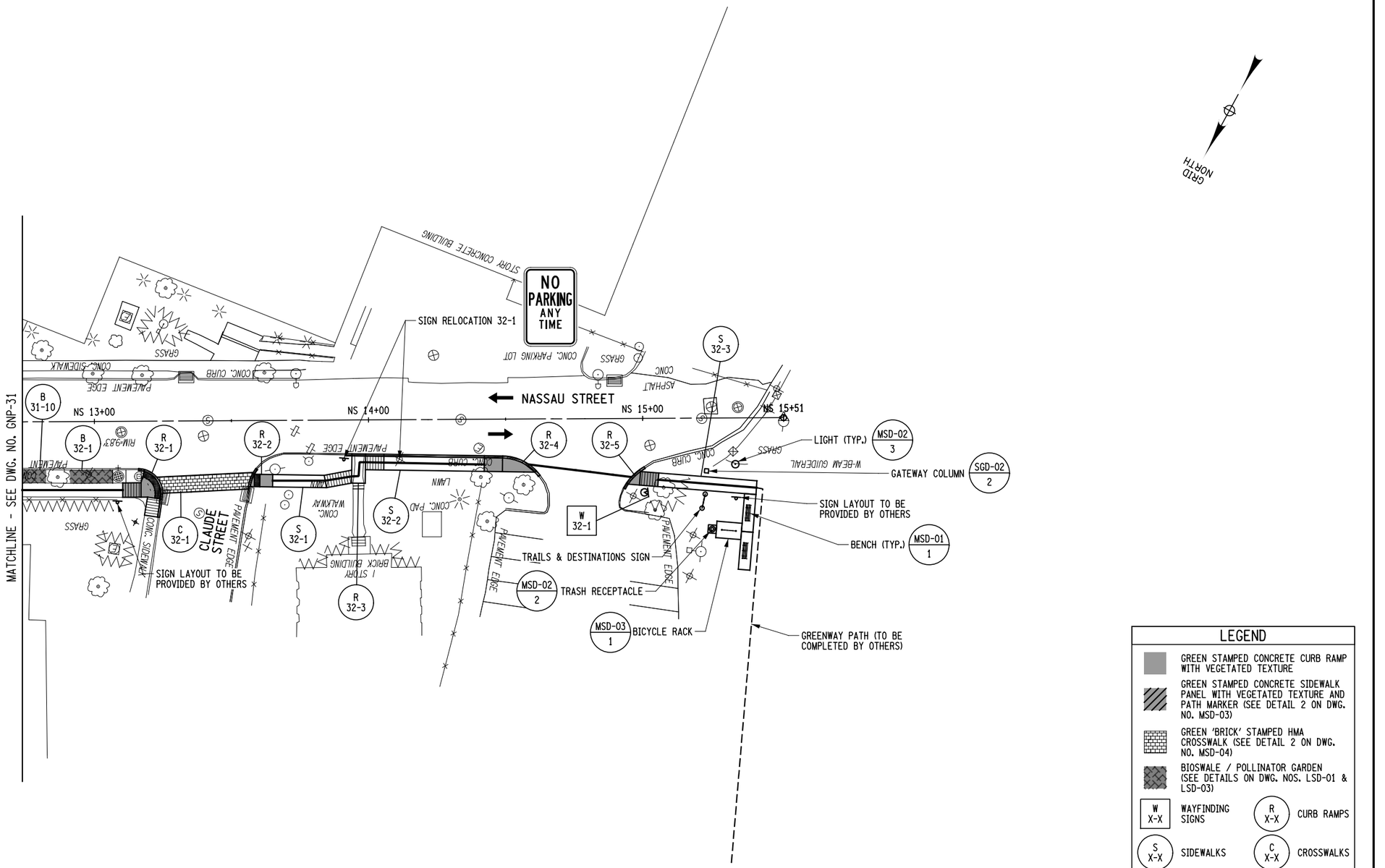
Engineering and Land Surveying, P.C.
1633 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE | CHECK C. SWAYNE

FILE NAME = F:\nj\1150\04\1150.04 GOSR Mill River Greenway\OGM_Final Design\1150.04_cph_gnp_31.dgn
DATE/TIME = 5/12/2020
USER = mwalsh



LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

20 0 20 40 60 80′
1" = 40′

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.
2. OVERHEAD UTILITY LINES NOT SHOWN FOR CLARITY.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN:

BRIDGE

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

CONTRACT NUMBER

GENERAL PLAN - 32

DRAWING NO. GNP-32
SHEET NO. 70

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

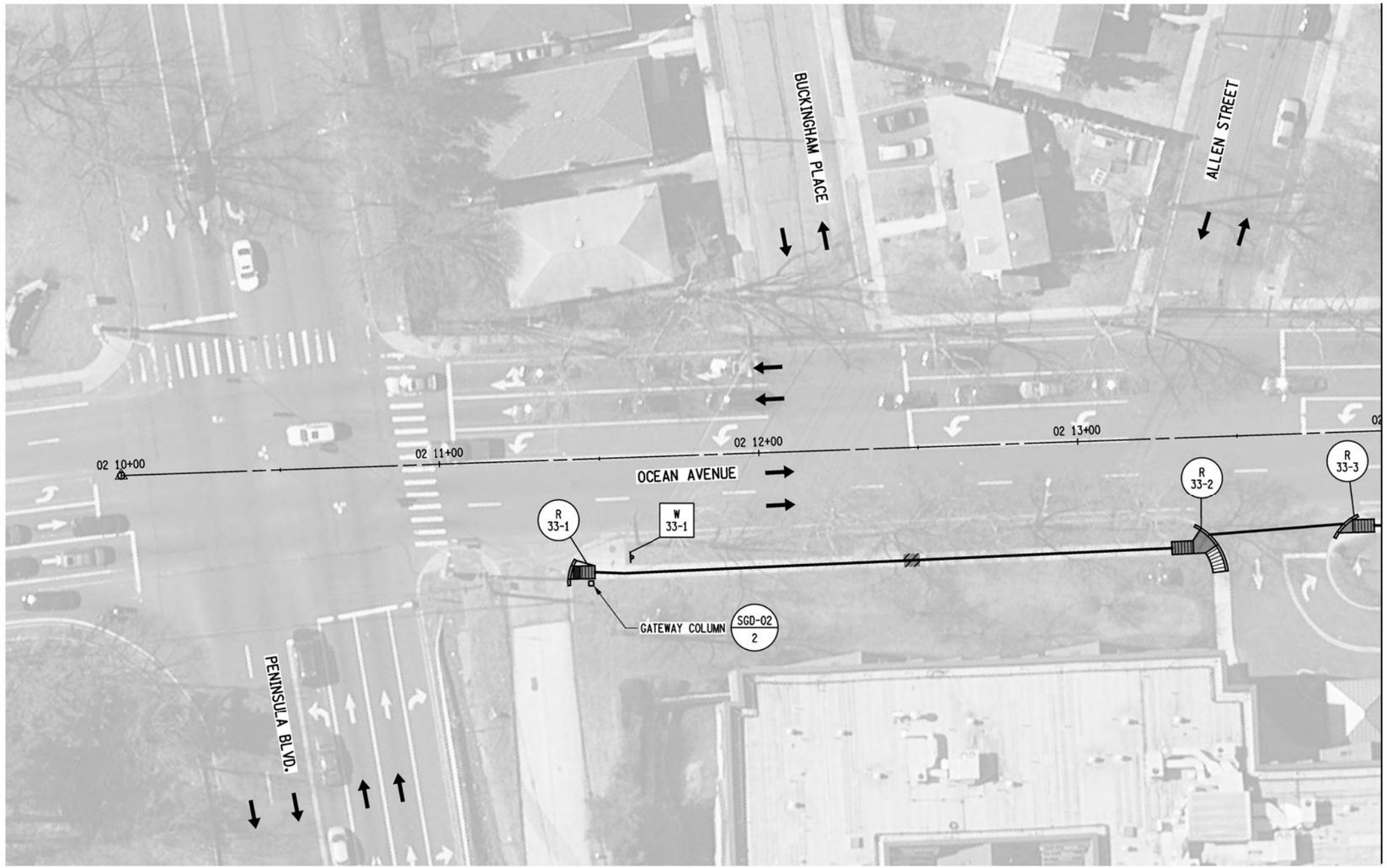
GOVERNOR'S OFFICE OF STORM RECOVERY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE | CHECK C. SWAYNE

FILE NAME = F:\mj1150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\1150004_cph_gnp_32.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)



GRID NORTH

MATCHLINE - SEE DWG. NO. GNP-34

20 0 20 40 60 80'
1" = 40'

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN:

BRIDGE

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GENERAL PLAN - 33

CONTRACT NUMBER

DRAWING NO. GNP-33
SHEET NO. 71

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

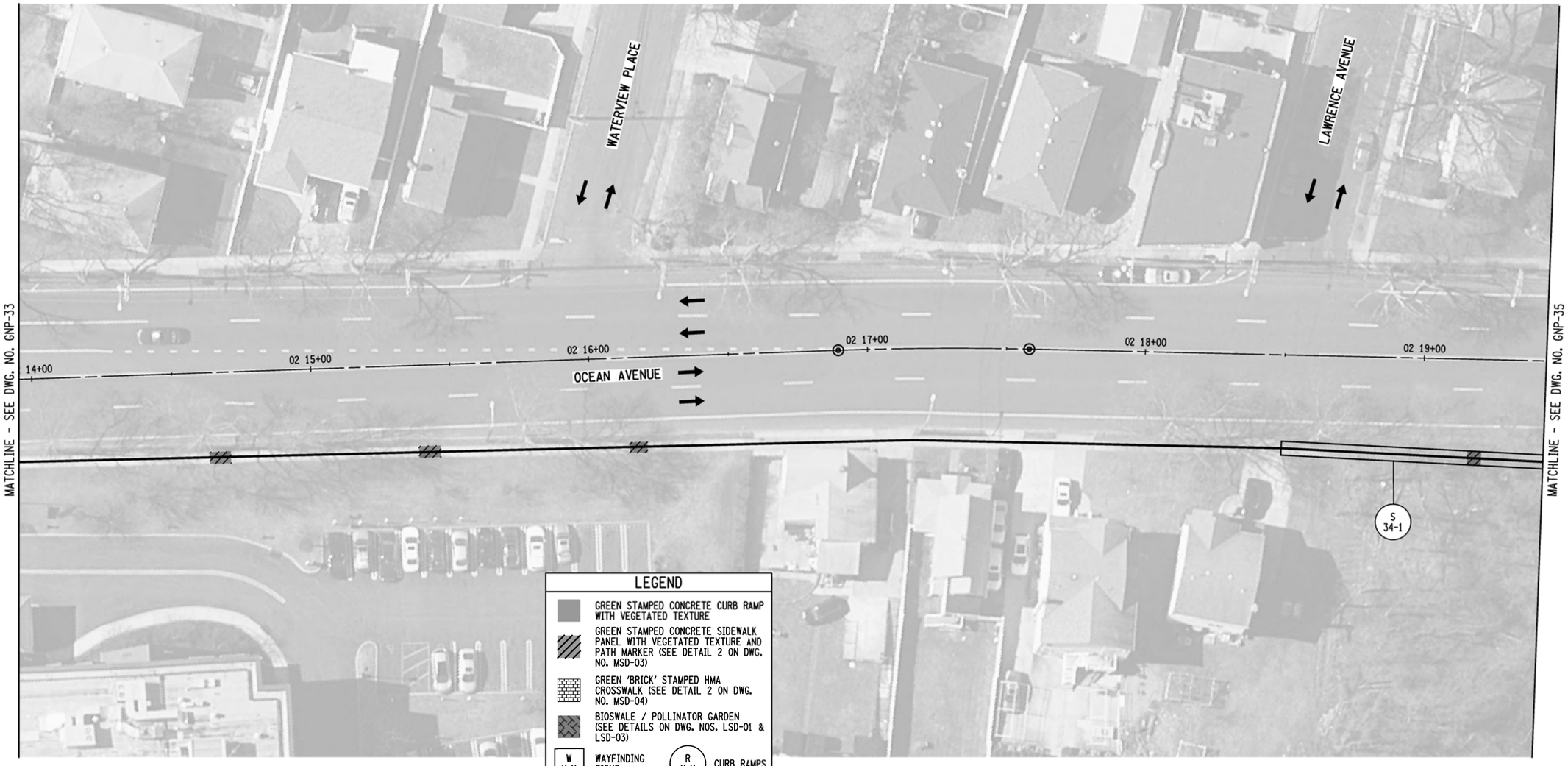
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE | CHECK C. SWAYNE

FILE NAME = F:\mj\1150\x\1150.04 GOSR Mill River Greenway\DGN\Final Design\1150.04_cph_grp_33.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

20 0 20 40 60 80'
1" = 40'

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN:

BRIDGE

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GENERAL PLAN - 34

CONTRACT NUMBER

DRAWING NO. GNP-34
SHEET NO. 72

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

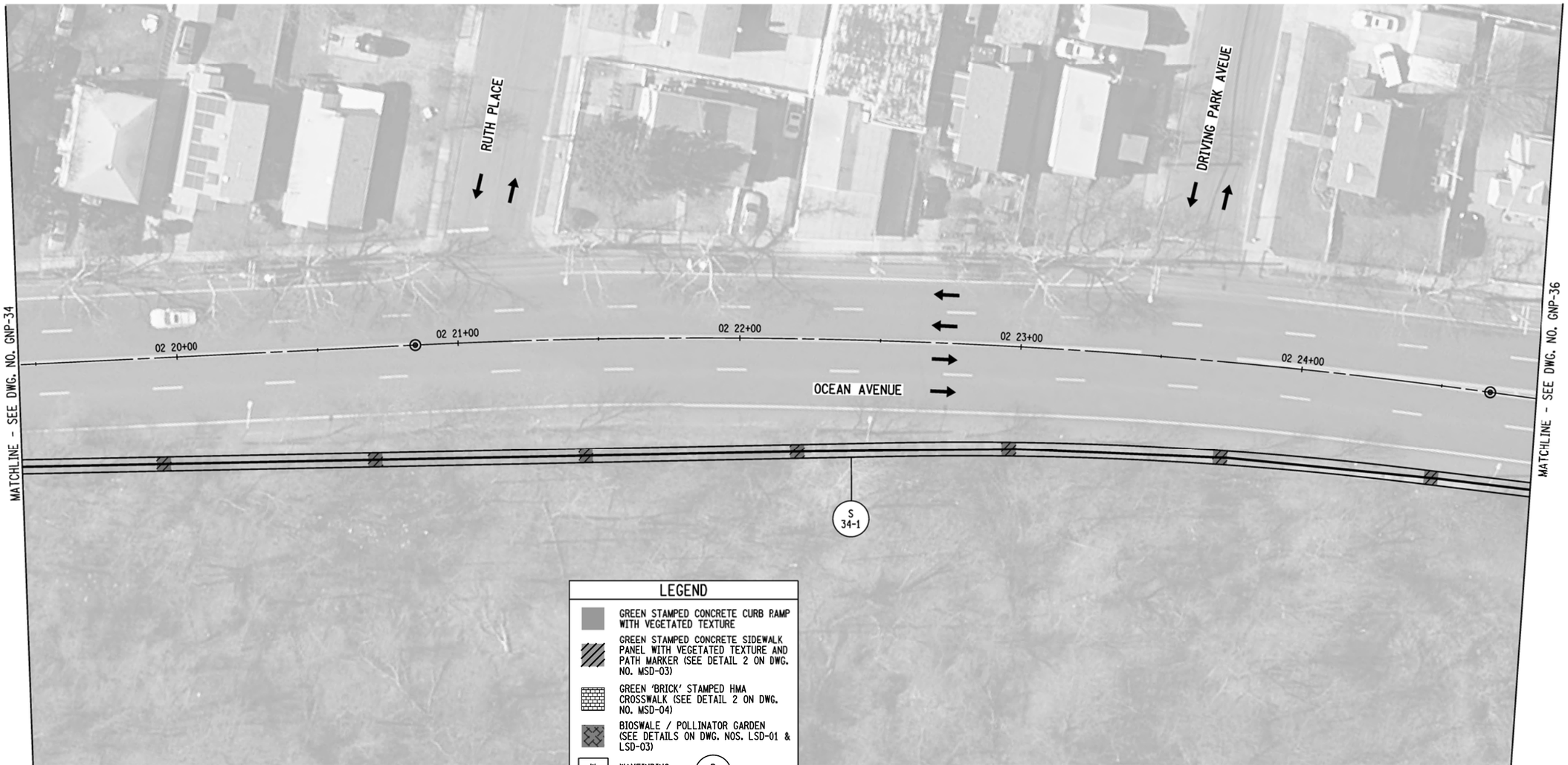
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK G. SWAYNE | PROJECT MANAGER G. SWAYNE

FILE NAME = F:\nj\1150\4\1150104 GOSR Mill River Greenway\GDN\Final Design\1150104_cph-gnp_34.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

20 0 20 40 60 80'
1" = 40'

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN: | BRIDGE | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GENERAL PLAN - 35

CONTRACT NUMBER

DRAWING NO. GNP-35
SHEET NO. 73

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

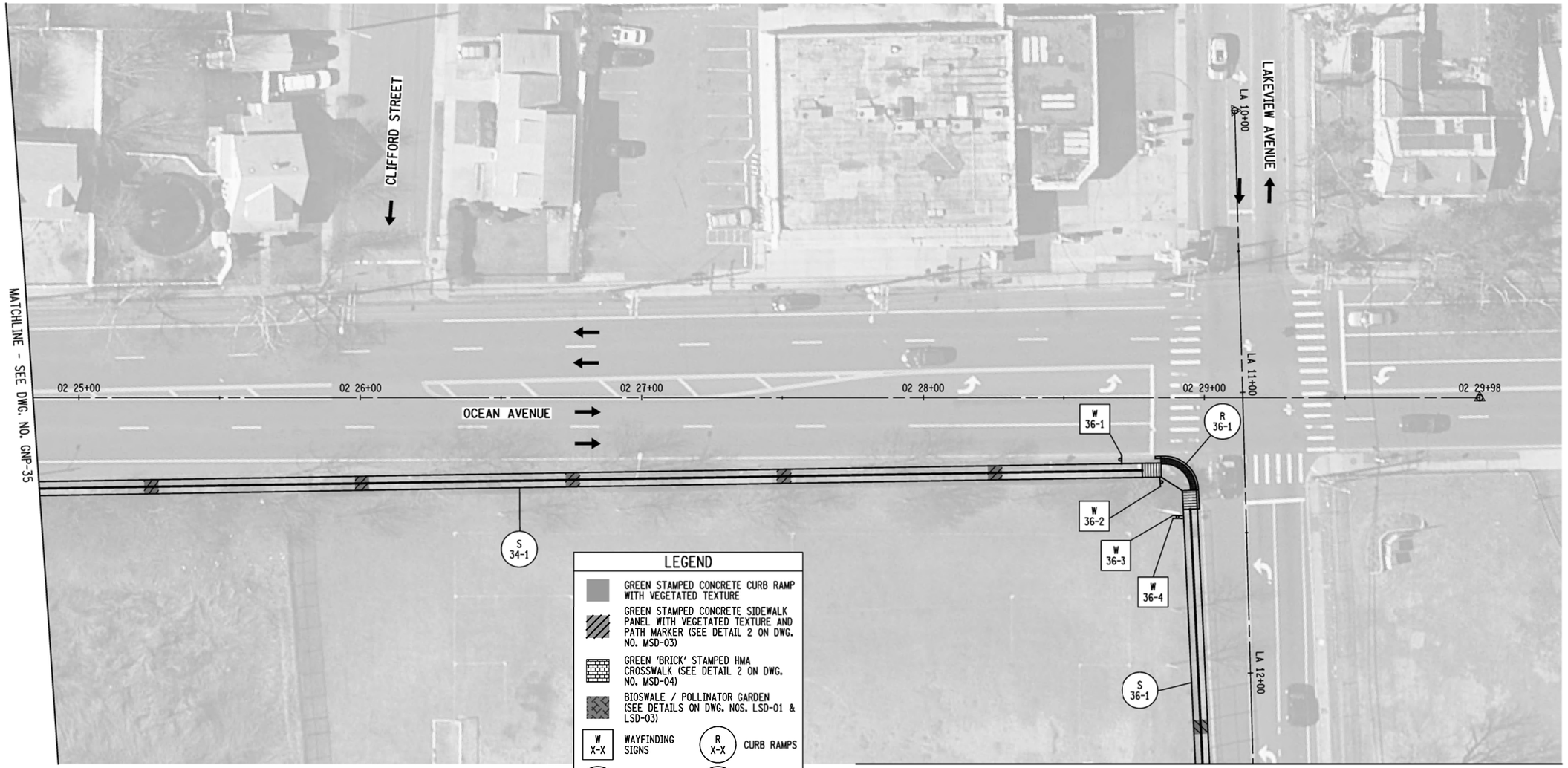
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | CHECK C. SWAYNE | DRAFTING M. WALSH | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\nj\1150\MJ1150.84 GOSR Mill River Greenway\GGN Final Design\1150.84_cph_grp_35.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

20 0 20 40 60 80'
1" = 40'

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN:

BRIDGE

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GENERAL PLAN - 36

CONTRACT NUMBER

DRAWING NO. GNP-36
SHEET NO. 74

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

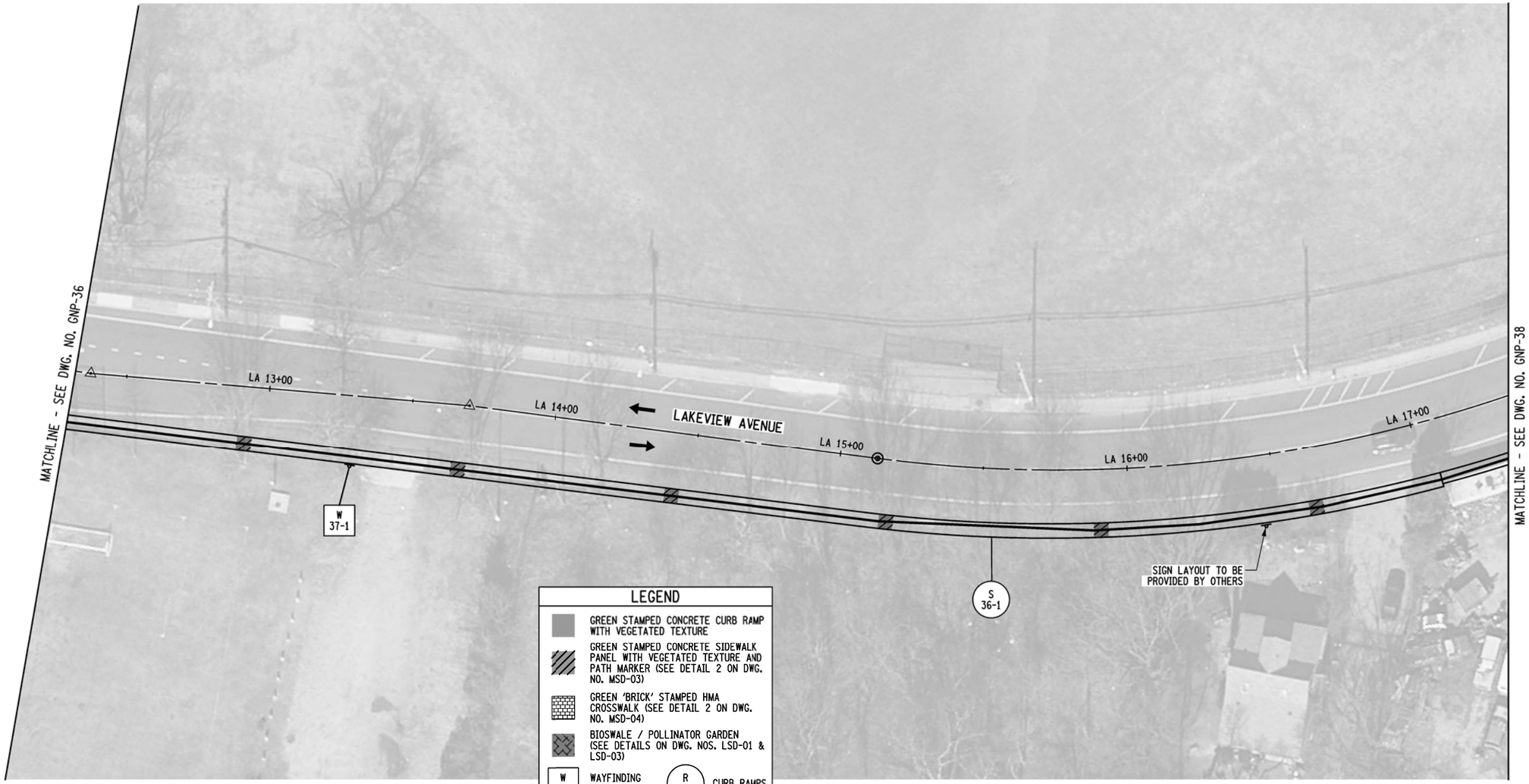
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | CHECK C. SWAYNE | DRAFTING M. WALSH | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\n\11508\d11508d04 GOSR Mill River Greenway\GOSR Final Design\11508d04_cph-gnp_36.dgn
DATE/TIME = 5/12/2020
USER = mwalsh



LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.

20 0 20 40 60 80'
1" = 40'

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN: | BRIDGE | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GENERAL PLAN - 37

CONTRACT NUMBER

DRAWING NO. GNP-37
SHEET NO. 75

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

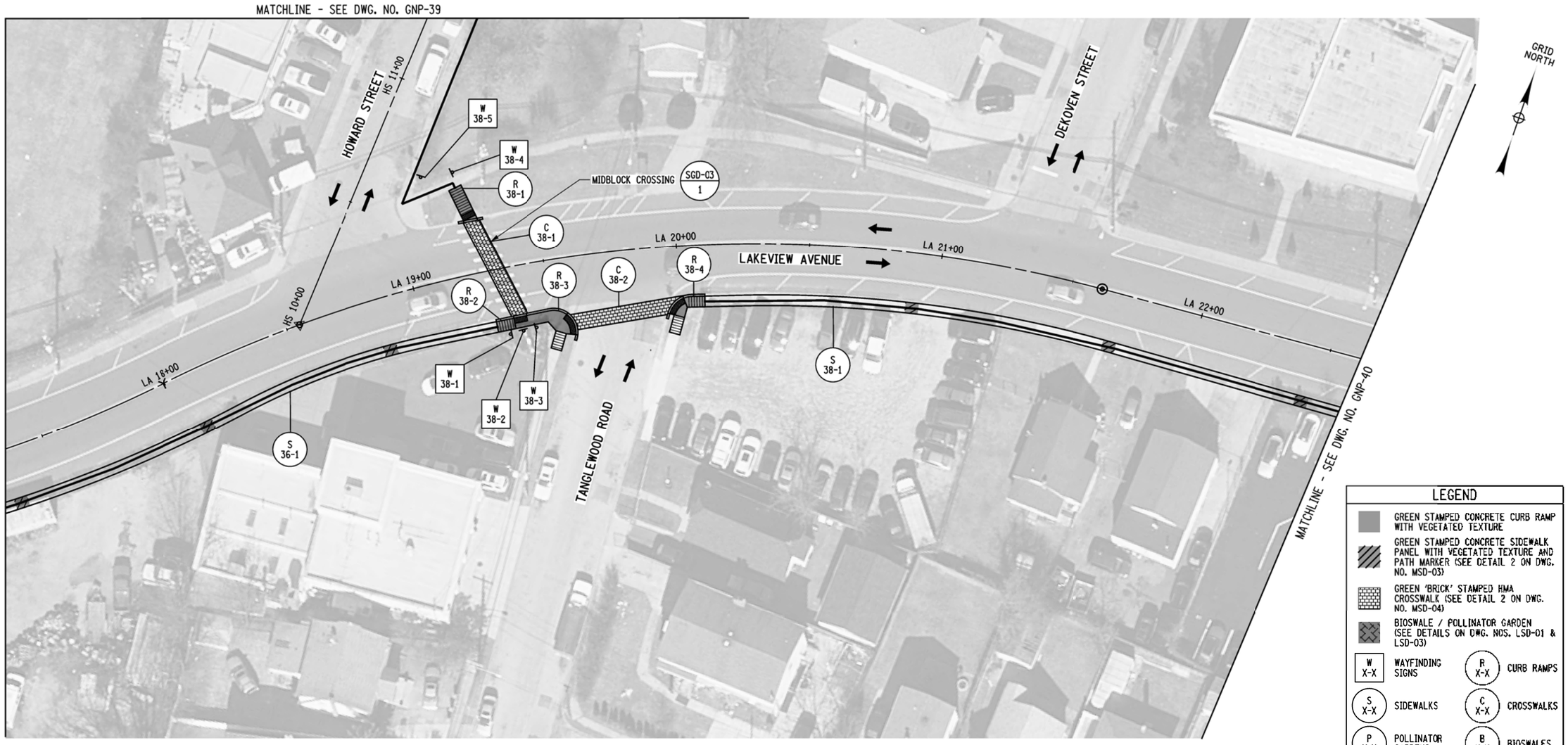
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK G. SWAYNE | PROJECT MANAGER G. SWAYNE | CHECK G. SWAYNE

FILE NAME = F:\nj\1150\M-1150.04 GOSR Mill River Greenway\DGN\Final Design\1150.04_cph_gnp_37.dgn
DATE/TIME = 6/12/2020
USER = cwelsh



LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

20 0 20 40 60 80'
1" = 40'

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:					
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED GENERAL PLAN - 38
						CONTRACT NUMBER DRAWING NO. GNP-38 SHEET NO. 76

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK G. SWAYNE | PROJECT MANAGER G. SWAYNE | CHECK G. SWAYNE

FILE NAME = F:\nj\1150\4\1150.04 GOSR Mill River Greenway\GOSR-Final Design\1150804_cph-gnp_38.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.

20 0 20 40 60 80'
1" = 40'

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	LIVING WITH THE BAY - MILL RIVER GREENWAY					
					GENERAL PLAN - 39	DRAWING NO. GNP-39
	TOWN OF HEMPSTEAD					SHEET NO. 77
	COUNTY: NASSAU					

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

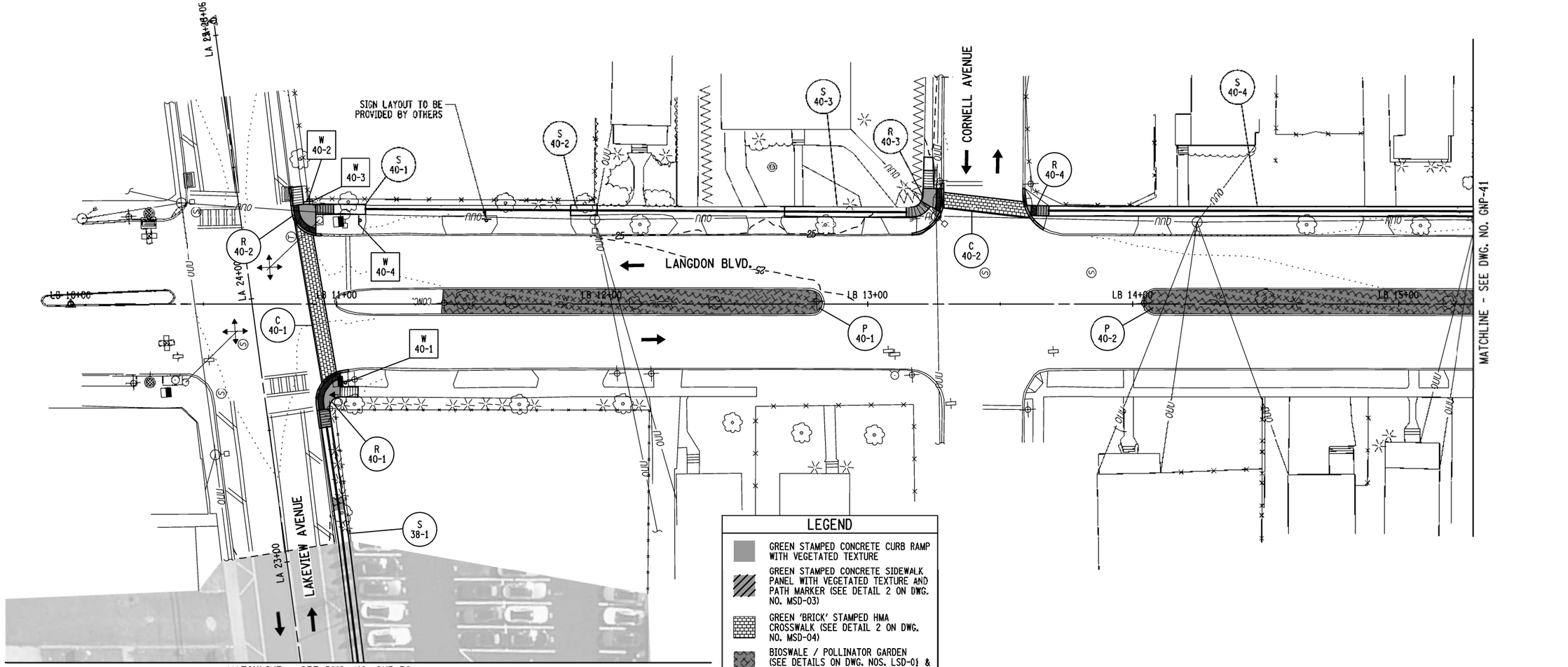
Engineering and Land Surveying, P.C. 1033 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\nj\150\x\M1150.04 GOSR Mill River Greenway\GOM_Final Design\115004_cph_gnp_39.dgn
DATE/TIME = 6/27/2020
USER = mwalsh



LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

20 0 20 40 60 80'
1" = 40'

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.
2. OVERHEAD UTILITY LINES NOT SHOWN FOR CLARITY.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN: | BRIDGE | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GENERAL PLAN - 40

CONTRACT NUMBER

DRAWING NO. GNP-40
SHEET NO. 78

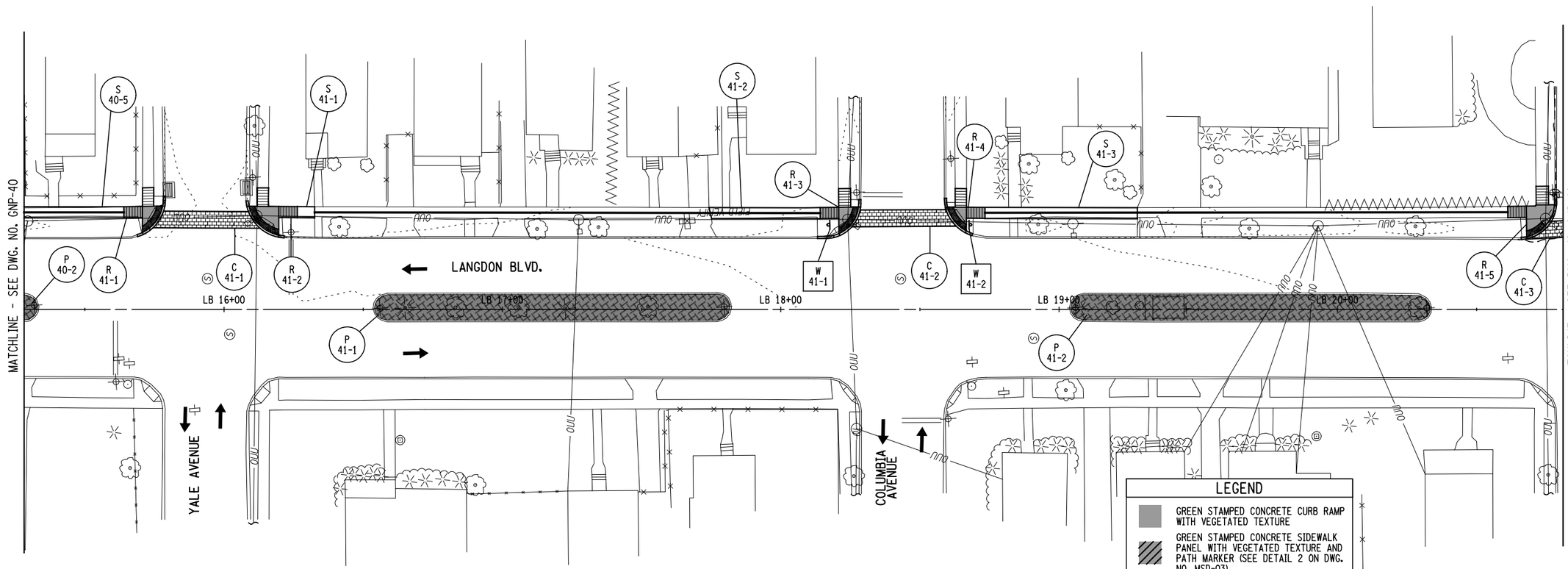
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1633 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK G. SWAYNE | PROJECT MANAGER G. SWAYNE | CHECK G. SWAYNE

FILE NAME = F:\nj\1150\dgn\1150804 GOSR Mill River Greenway\GGN_Final Design\1150804_cph_gnp_40.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

20 0 20 40 60 80'
1" = 40'

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.
2. OVERHEAD UTILITY LINES NOT SHOWN FOR CLARITY.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN:

BRIDGE

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

CONTRACT NUMBER

GENERAL PLAN - 41

DRAWING NO. GNP-41
SHEET NO. 79

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

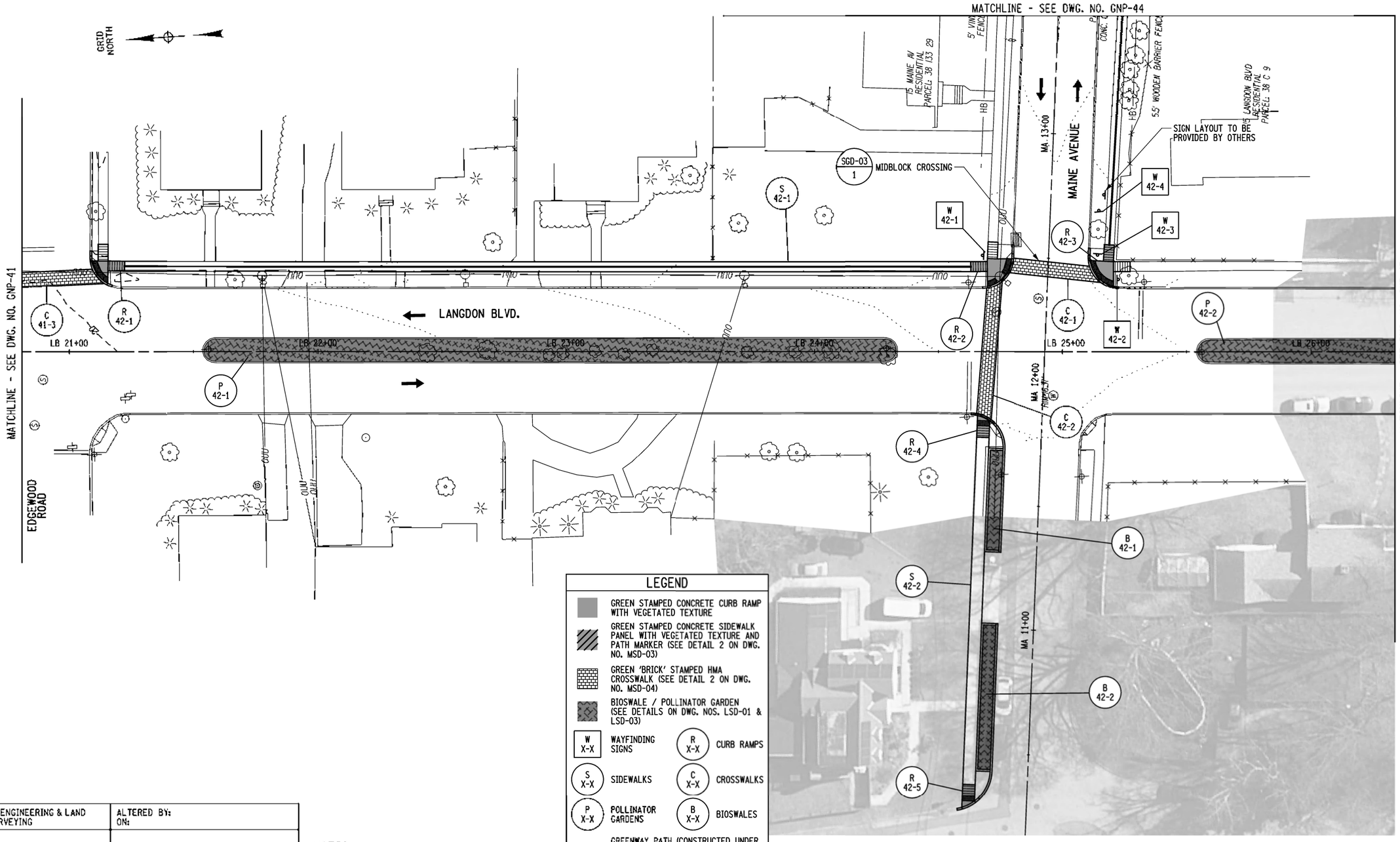
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\mj\1150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\1150.04_cph_gnp_41.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

20 0 20 40 60 80′
1" = 40'

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.
2. OVERHEAD UTILITY LINES NOT SHOWN FOR CLARITY.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN: | BRIDGE | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GENERAL PLAN - 42

CONTRACT NUMBER

DRAWING NO. GNP-42
SHEET NO. 80

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

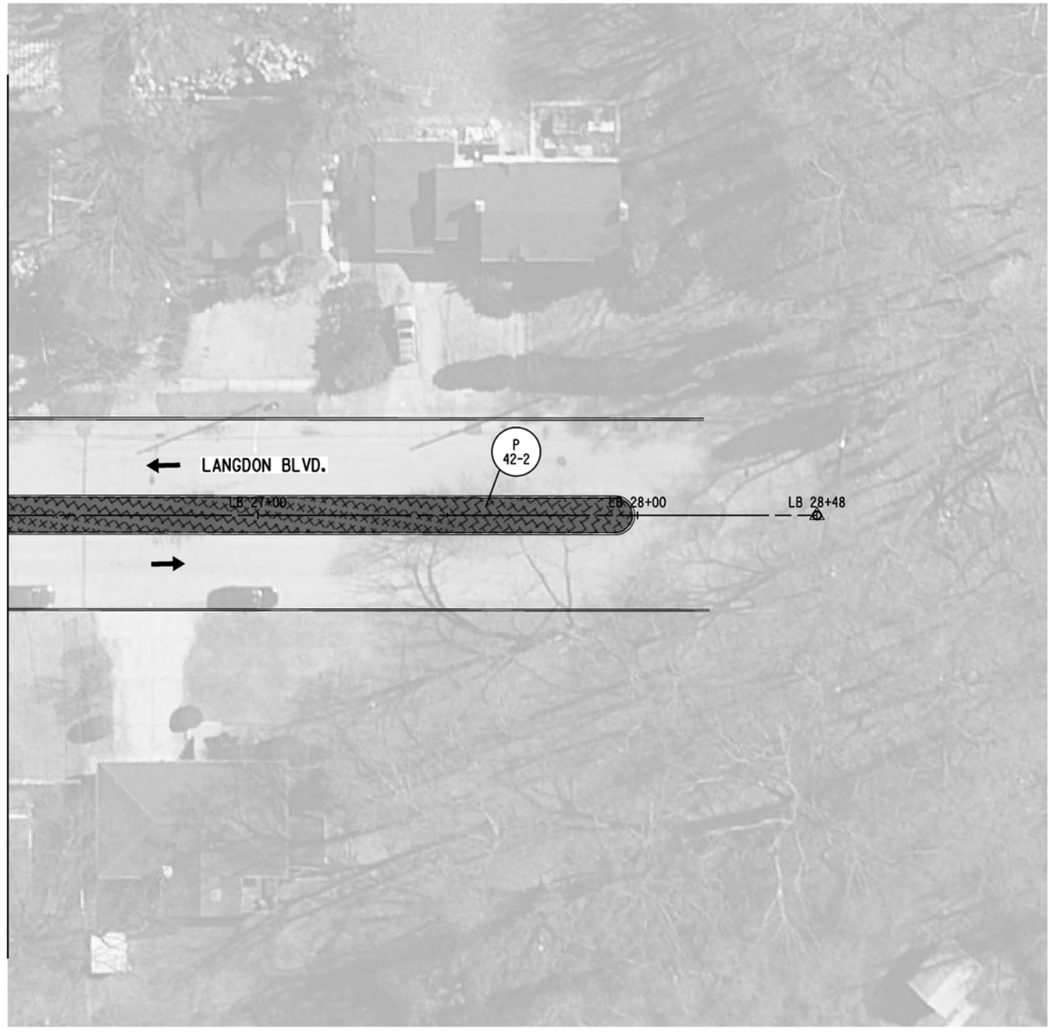
DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\nj\1150\M1150.04 GOSR Mill River Greenway\GOW_Final Design\1150.04_cph_gnp_42.dgn
DATE/TIME = 6/12/2020
USER = cwelsh

LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

GRID NORTH



PROJECT MANAGER C. SWAYNE
CHECK C. SWAYNE
DRAFTING M. WALSH
DESIGN M. WALSH
JOB MANAGER B. COOPER
DESIGN SUPERVISOR M. PANICHELLI
CHECK C. SWAYNE

FILE NAME = F:\nj\115804\115804 GOSR Mill River Greenway\GGN-Final Design\115804-cph-gnp-43.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.

20 0 20 40 60 80'
1" = 40'

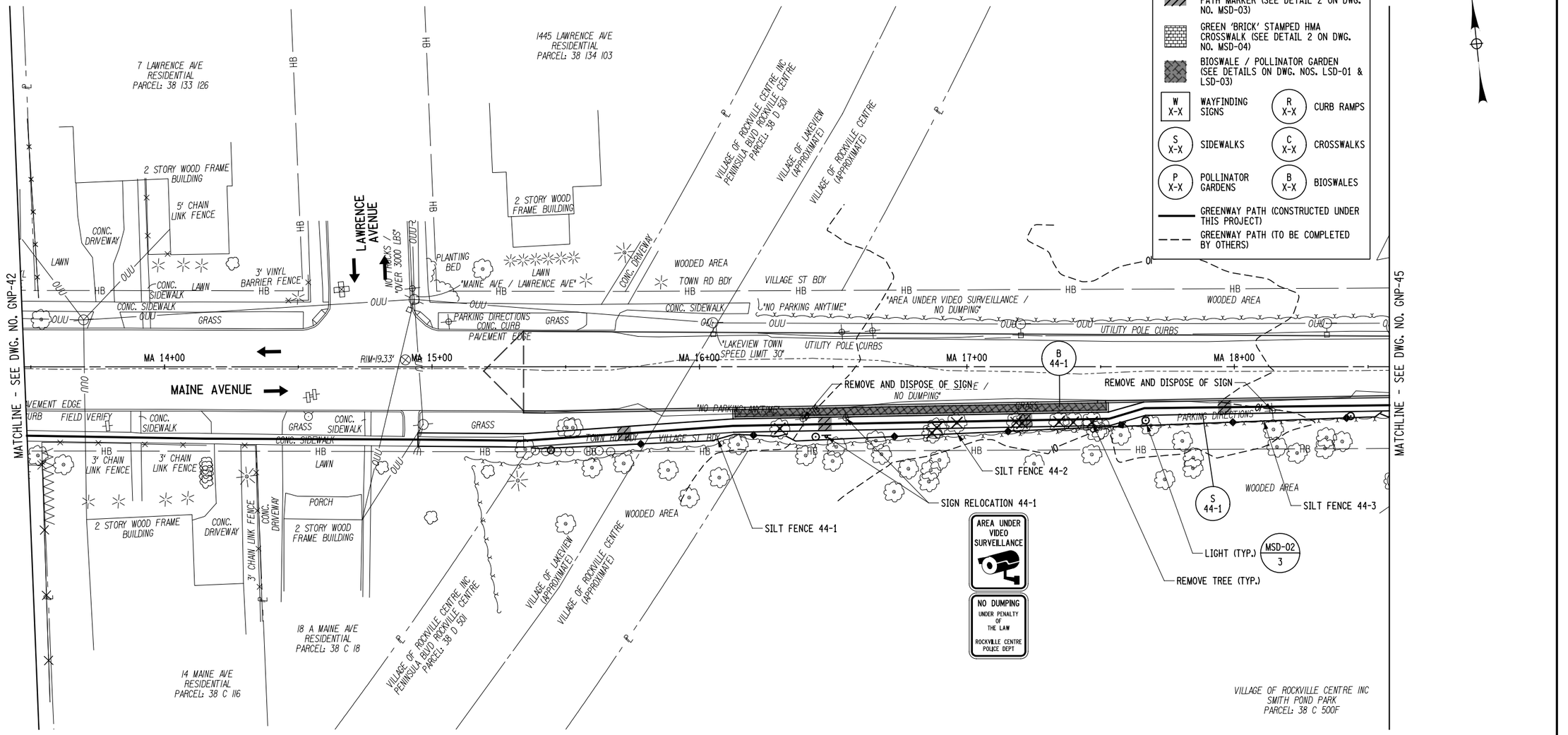
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED GENERAL PLAN - 43	CONTRACT NUMBER DRAWING NO. GNP-43 SHEET NO. 81

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY



PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.
2. OVERHEAD UTILITY LINES NOT SHOWN FOR CLARITY.
3. TREE PRUNING TO BE PERFORMED PER OWNERS REQUEST.

20 0 20 40 60 80'
1" = 40'

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED GENERAL PLAN - 44	CONTRACT NUMBER DRAWING NO. GNP-44 SHEET NO. 82

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

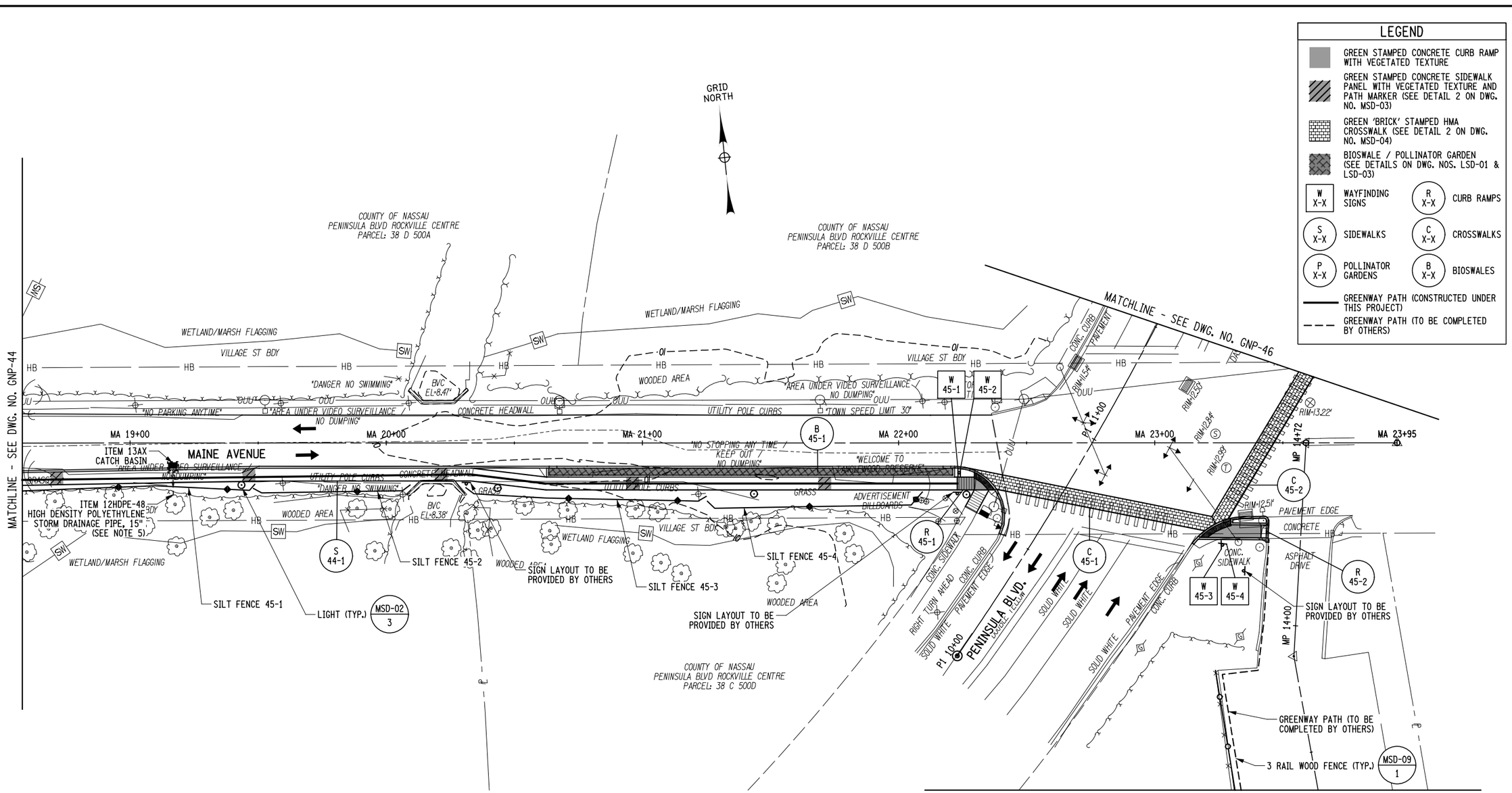
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE | CHECK C. SWAYNE

FILE NAME = F:\mj1150\MJ1150.04 GOSR Mill River Greenway\DGN.Final Design\1150004-cph_gnp-44.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.
2. OVERHEAD UTILITY LINES NOT SHOWN FOR CLARITY.
3. REFER TO DWG. NO. GNP-54 FOR MORGAN DAYS PARK AMENITIES LAYOUT.
4. TREE PRUNING TO BE PERFORMED PER OWNERS REQUEST.
5. PIPE SHALL OUTLET TO POND.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN:

BRIDGE

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GENERAL PLAN - 45

CONTRACT NUMBER

DRAWING NO. GNP-45

SHEET NO. 83

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE | CHECK C. SWAYNE

FILE NAME = F:\mj1150\MJ1150.04 GOSR Mill River Greenway\CDN_Final Design\1150404_cph_gnp_45.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

PROJECT MANAGER C. SWAYNE
CHECK C. SWAYNE
DRAFTING M. WALSH
DESIGN M. WALSH
JOB MANAGER B. COOPER
DESIGN SUPERVISOR M. PANICHELLI

FILE NAME = F:\nj150\dgn\11150.84 GOSR Mill River Greenway\GOSR Final Design\115084_cph_gnp_46.dgn
DATE/TIME = 6/27/2020
USER = mwalsh

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.
2. OVERHEAD UTILITY LINES NOT SHOWN FOR CLARITY.

20 0 20 40 60 80'
1" = 40'

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED GENERAL PLAN - 46	CONTRACT NUMBER DRAWING NO. GNP-46 SHEET NO. 84

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

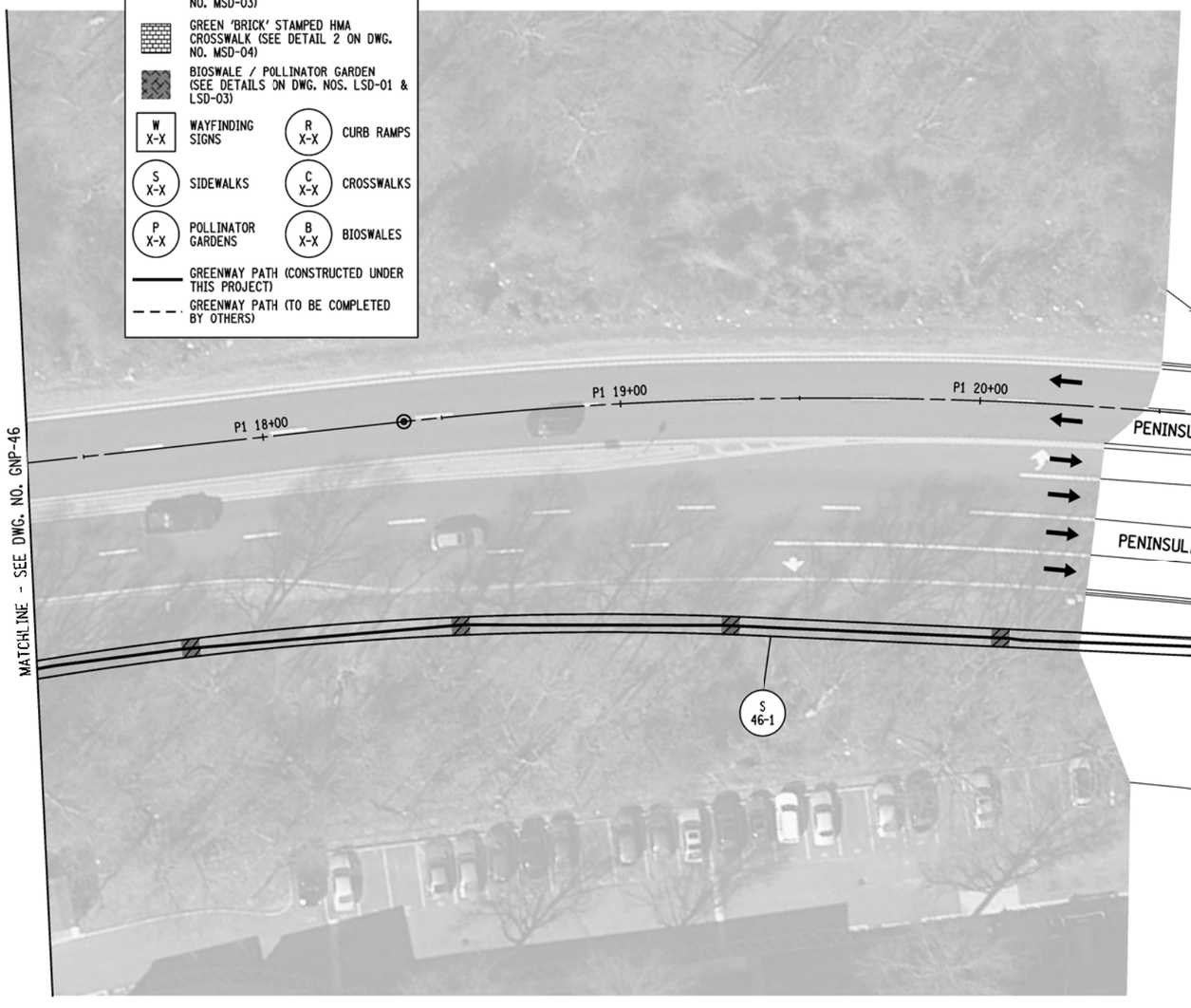
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

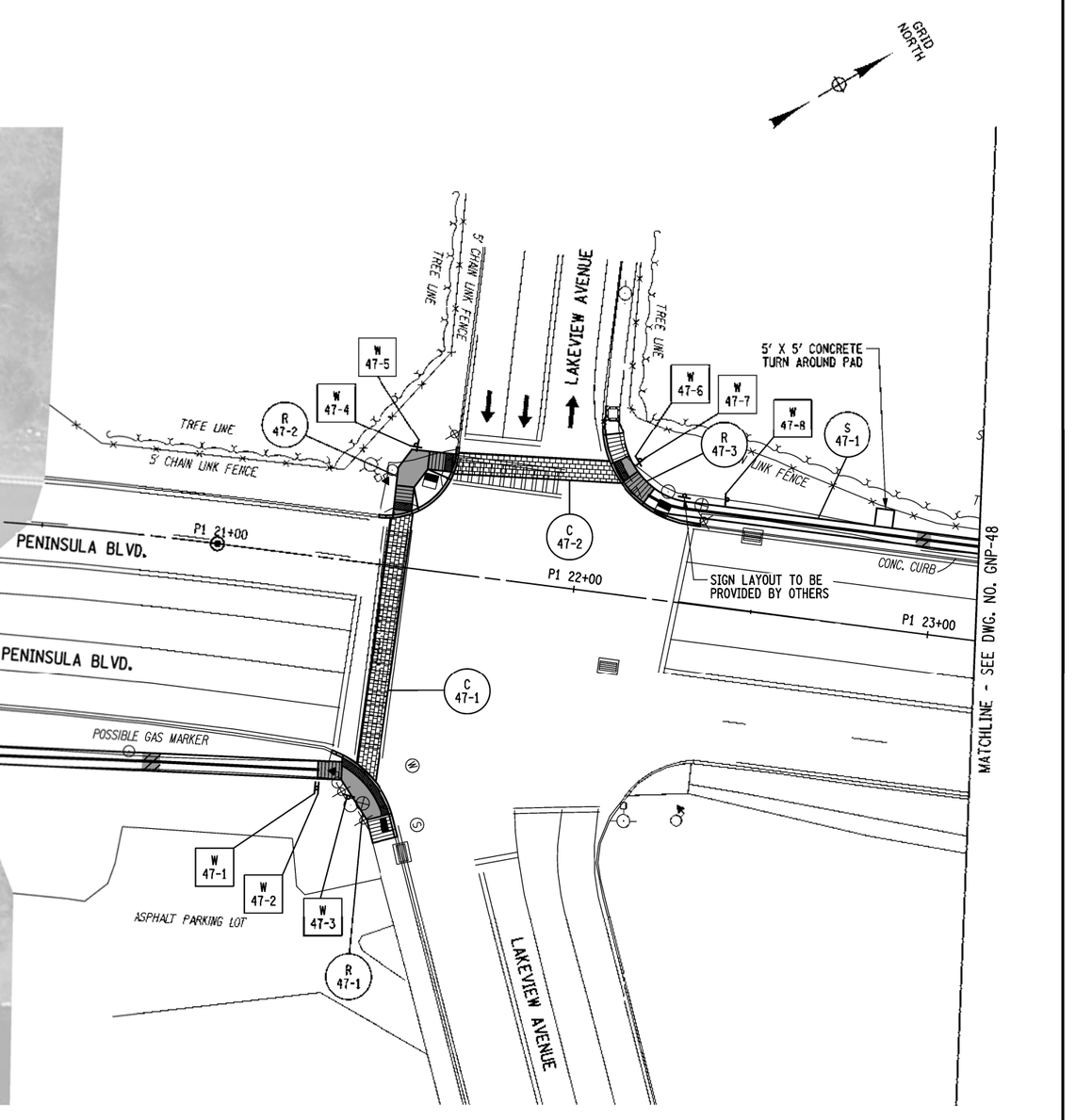
GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X WAYFINDING SIGNS
- R X-X CURB RAMPS
- S X-X SIDEWALKS
- C X-X CROSSWALKS
- P X-X POLLINATOR GARDENS
- B X-X BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)





PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.
2. OVERHEAD UTILITY LINES NOT SHOWN FOR CLARITY.

20 0 20 40 60 80'
1" = 40'

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED GENERAL PLAN - 47	CONTRACT NUMBER DRAWING NO. GNP-47 SHEET NO. 85

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1633 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | CHECK C. SWAYNE | DRAFTING M. WALSH | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\nyl150\d\1150184 GOSR Mill River Greenway\GOSR Final Design\1150184_cph_gnp_47.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

PROJECT MANAGER C. SWAYNE
CHECK C. SWAYNE
DRAFTING M. WALSH
DESIGN M. WALSH
JOB MANAGER B. COOPER
DESIGN SUPERVISOR M. PANICHELLI

FILE NAME = F:\mjl150\MJ1150.04 GOSR Mill River Greenway\LDGN_Final Design\1150.04_cph_gnp_48.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

GRID NORTH

OUTH POND
REE LINE
TRASH RECEPTACLE MSD-02 2
SOUTH POND
BENCH MSD-01 1
TREE LINE
S 47-1
PAVEMENT EDGE
ASPHALT SIDEWALK
W-BEAM GUIDERAIL
ASPHALT SIDEWALK
GRASS
5' CHAIN LINK FENCE
GRASS
ASPHALT SIDEWALK
PAVEMENT EDGE
P1 24+00
P1 25+00
P1 26+00
P1 27+00
P1 28+00
PENINSULA BLVD.
CONC. CURB
CONC. CURB
PAVEMENT EDGE
PENINSULA BLVD.
PAVEMENT EDGE
CONC. CURB
ASPHALT SIDEWALK
W-BEAM GUIDERAIL
CONC. CURB
PAVEMENT EDGE
ASPHALT SIDEWALK
3' CHAIN LINK FENCE
MATCHLINE - SEE DWG. NO. GNP-47
MATCHLINE - SEE DWG. NO. GNP-49

20 0 20 40 60 80'
1" = 40'

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.
2. OVERHEAD UTILITY LINES NOT SHOWN FOR CLARITY.

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED GENERAL PLAN - 48	CONTRACT NUMBER DRAWING NO. GNP-48 SHEET NO. 86

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

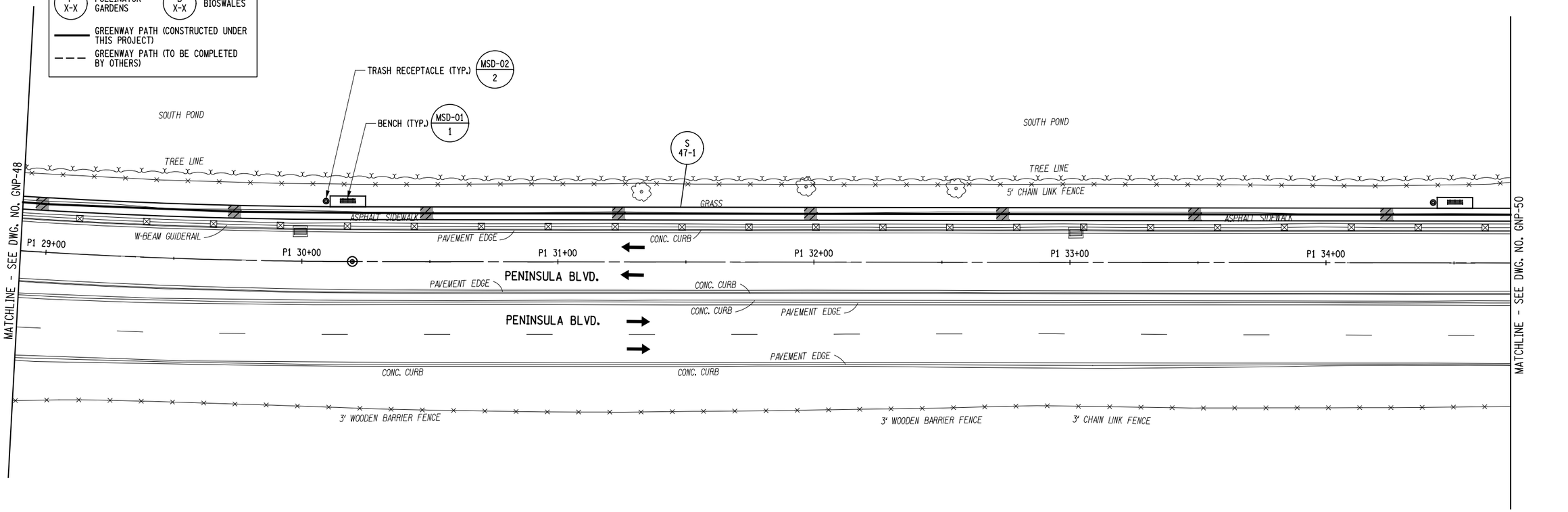
Engineering and Land Surveying, P.C.
1533 Crescent Road • Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)

GRID NORTH



PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.
2. OVERHEAD UTILITY LINES NOT SHOWN FOR CLARITY.

20 0 20 40 60 80'
1" = 40'

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED GENERAL PLAN - 49	CONTRACT NUMBER DRAWING NO. GNP-49 SHEET NO. 87

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

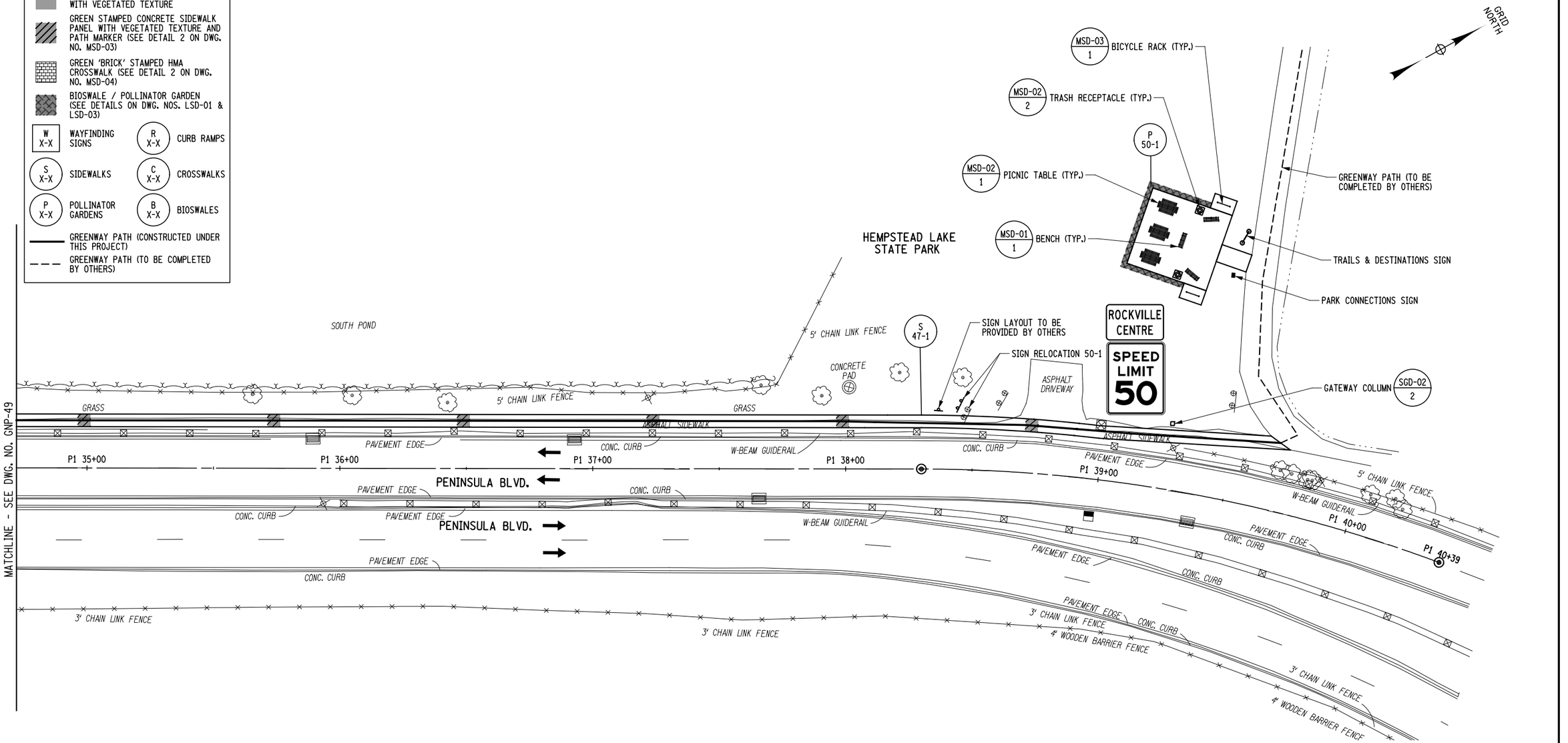
PROJECT MANAGER C. SWAYNE
CHECK C. SWAYNE
DRAFTING M. WALSH
CHECK C. SWAYNE
DESIGN M. WALSH
JOB MANAGER B. COOPER
DESIGN SUPERVISOR M. PANICHELLI

FILE NAME = F:\mj\1150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\115004_cph_gnp_49.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

FILE NAME = F:\mj\1150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\1150004_cph_grp_50.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)



PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.
2. OVERHEAD UTILITY LINES NOT SHOWN FOR CLARITY.

20 0 20 40 60 80'
1" = 40'

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED GENERAL PLAN - 50	CONTRACT NUMBER DRAWING NO. GNP-50 SHEET NO. 88

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

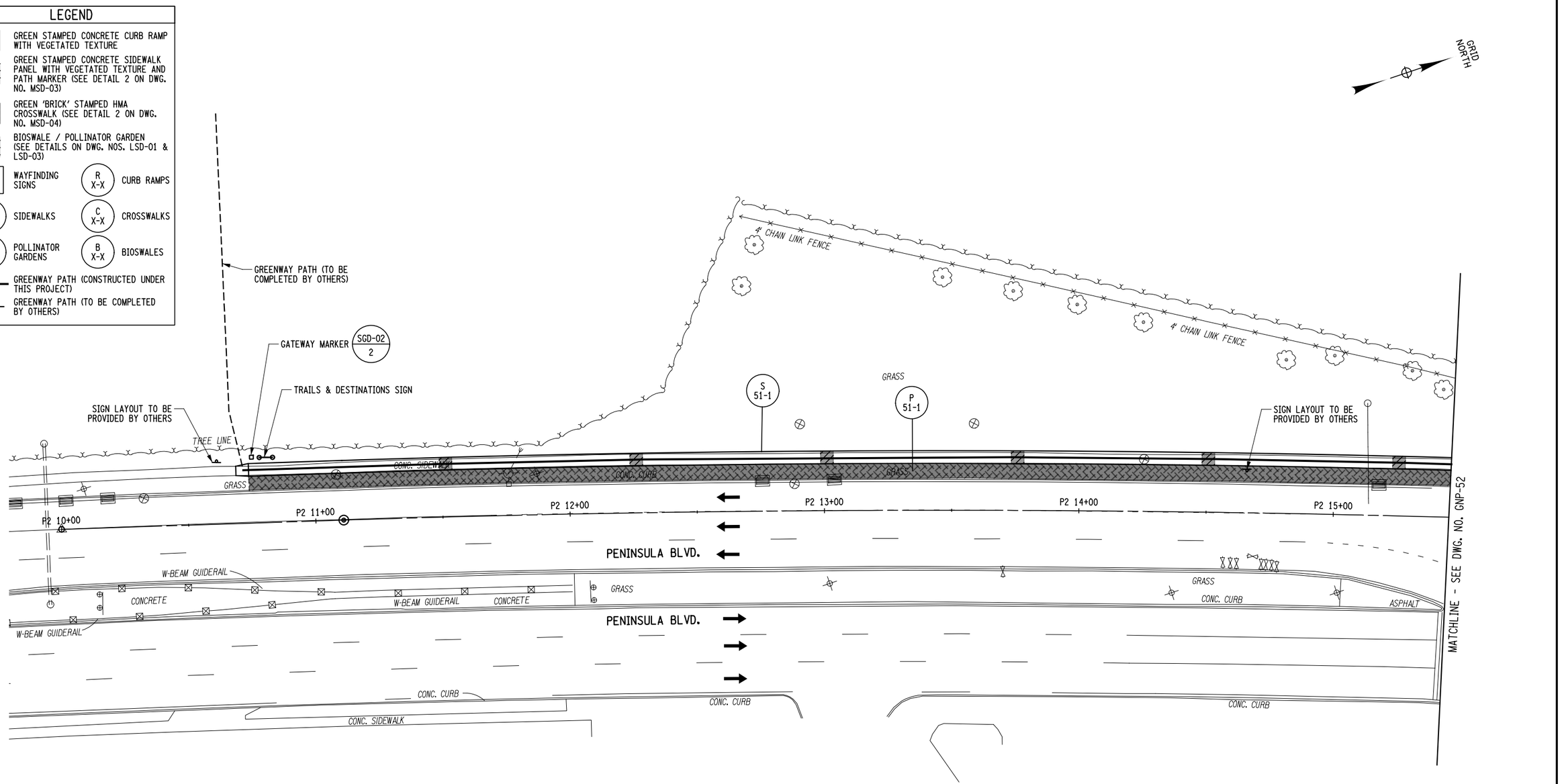
Living with the BAY

PROJECT MANAGER C. SWAYNE
CHECK C. SWAYNE
DRAFTING M. WALSH
QUALITY CHECK C. SWAYNE
DESIGN M. WALSH
JOB MANAGER B. COOPER
DESIGN SUPERVISOR M. PANICHELLI

FILE NAME = F:\mj\115\04\MJ115\04 GOSR Mill River Greenway\OGN_Final Design\115004_cph_grp_51.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)



PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.
2. OVERHEAD UTILITY LINES NOT SHOWN FOR CLARITY.

20 0 20 40 60 80'
1" = 40'

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED GENERAL PLAN - 51	CONTRACT NUMBER DRAWING NO. GNP-51 SHEET NO. 89

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

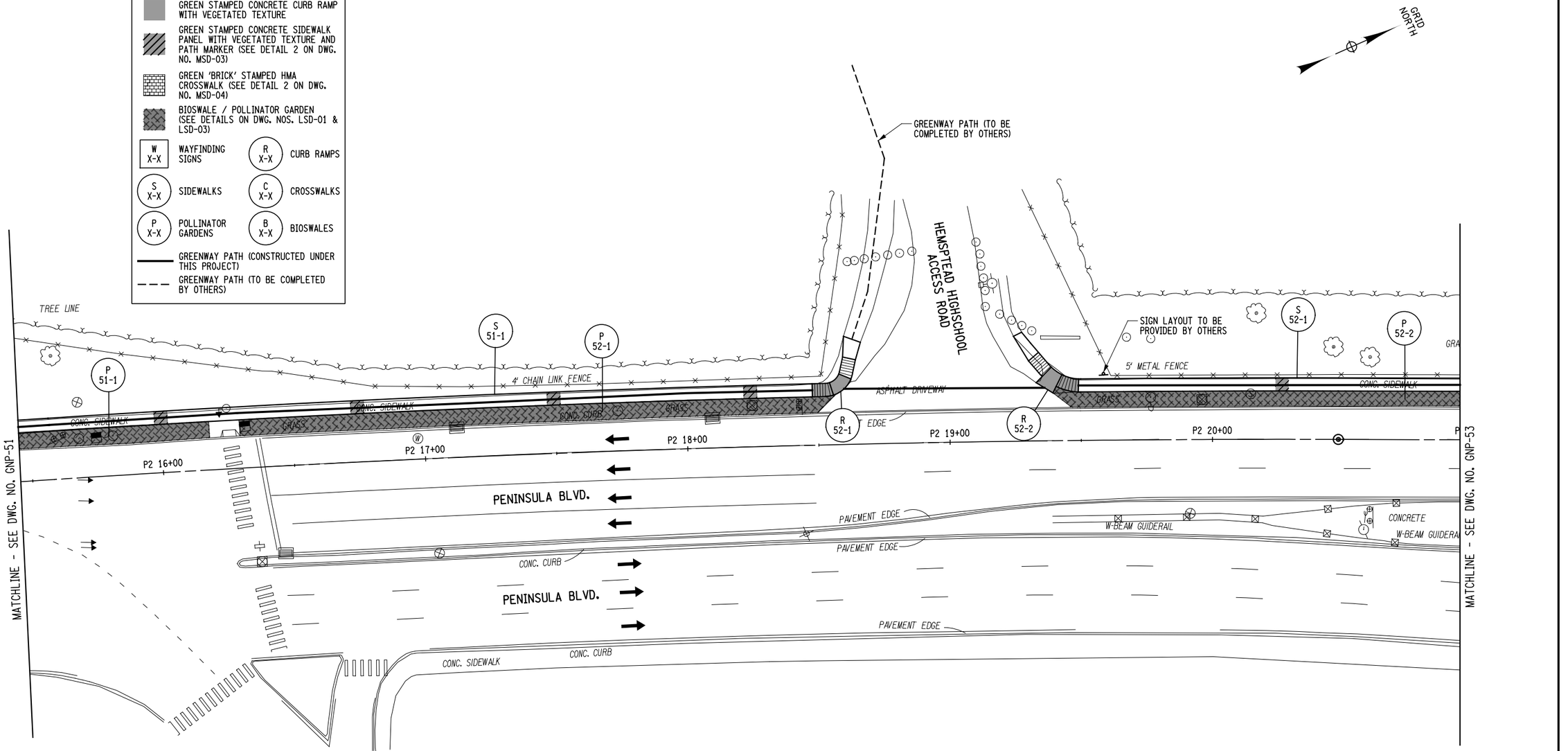
Engineering and Land Surveying, P.C.
1533 Crescent Road • Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)



PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.
2. OVERHEAD UTILITY LINES NOT SHOWN FOR CLARITY.

20 0 20 40 60 80′
1" = 40′

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED GENERAL PLAN - 52	CONTRACT NUMBER DRAWING NO. GNP-52 SHEET NO. 90

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

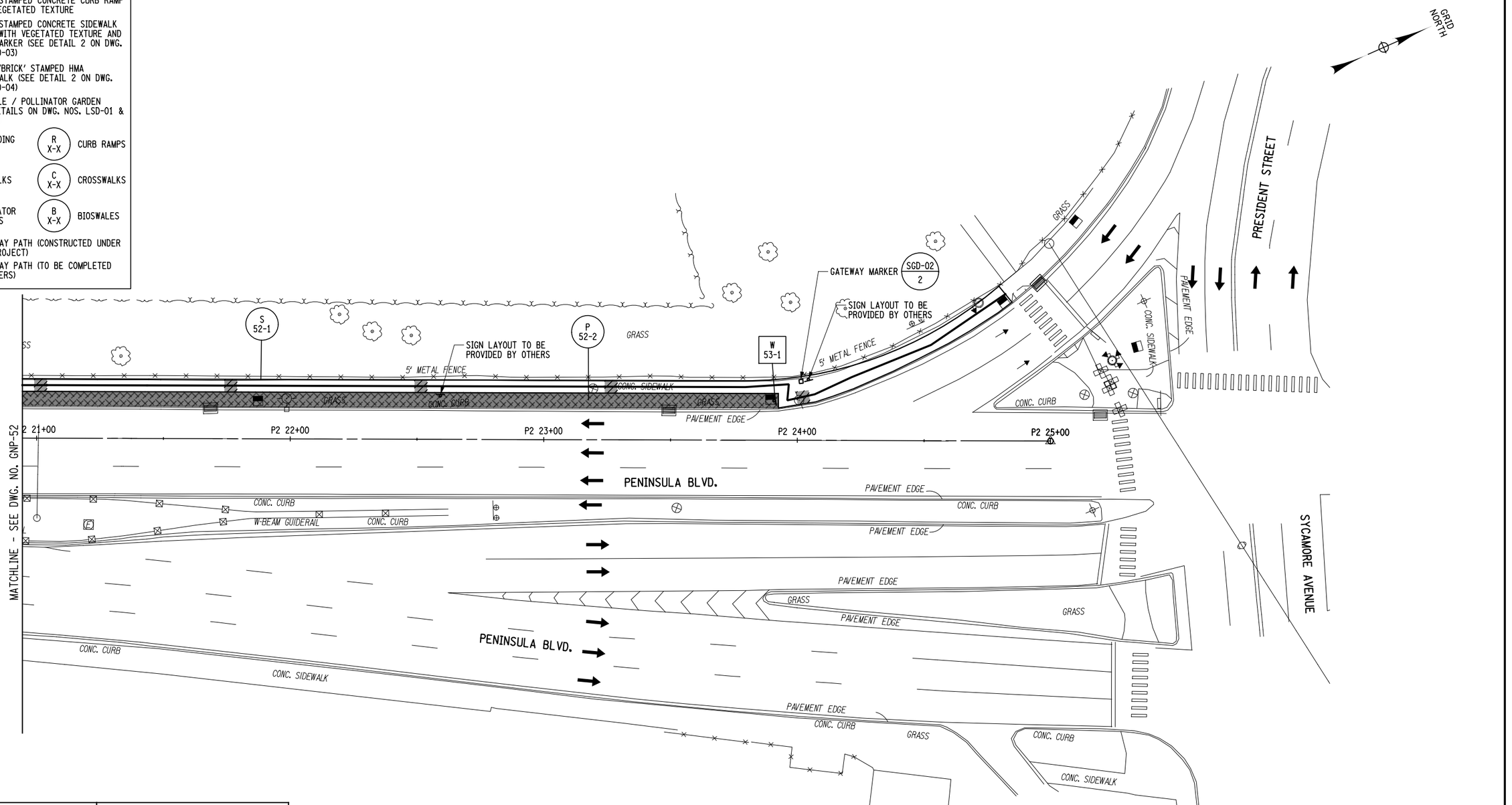
Engineering and Land Surveying, P.C.
1533 Crescent Road • Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

FILE NAME = F:\mj\1150\M1150.04 GOSR Mill River Greenway\DGN\Final Design\1150.04_cph_grp_52.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)



NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.
2. OVERHEAD UTILITY LINES NOT SHOWN FOR CLARITY.

20 0 20 40 60 80′
1" = 40′

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	LIVING WITH THE BAY - MILL RIVER GREENWAY					
					GENERAL PLAN - 53	DRAWING NO. GNP-53
	TOWN OF HEMPSTEAD					SHEET NO. 91
	COUNTY: NASSAU					

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road • Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

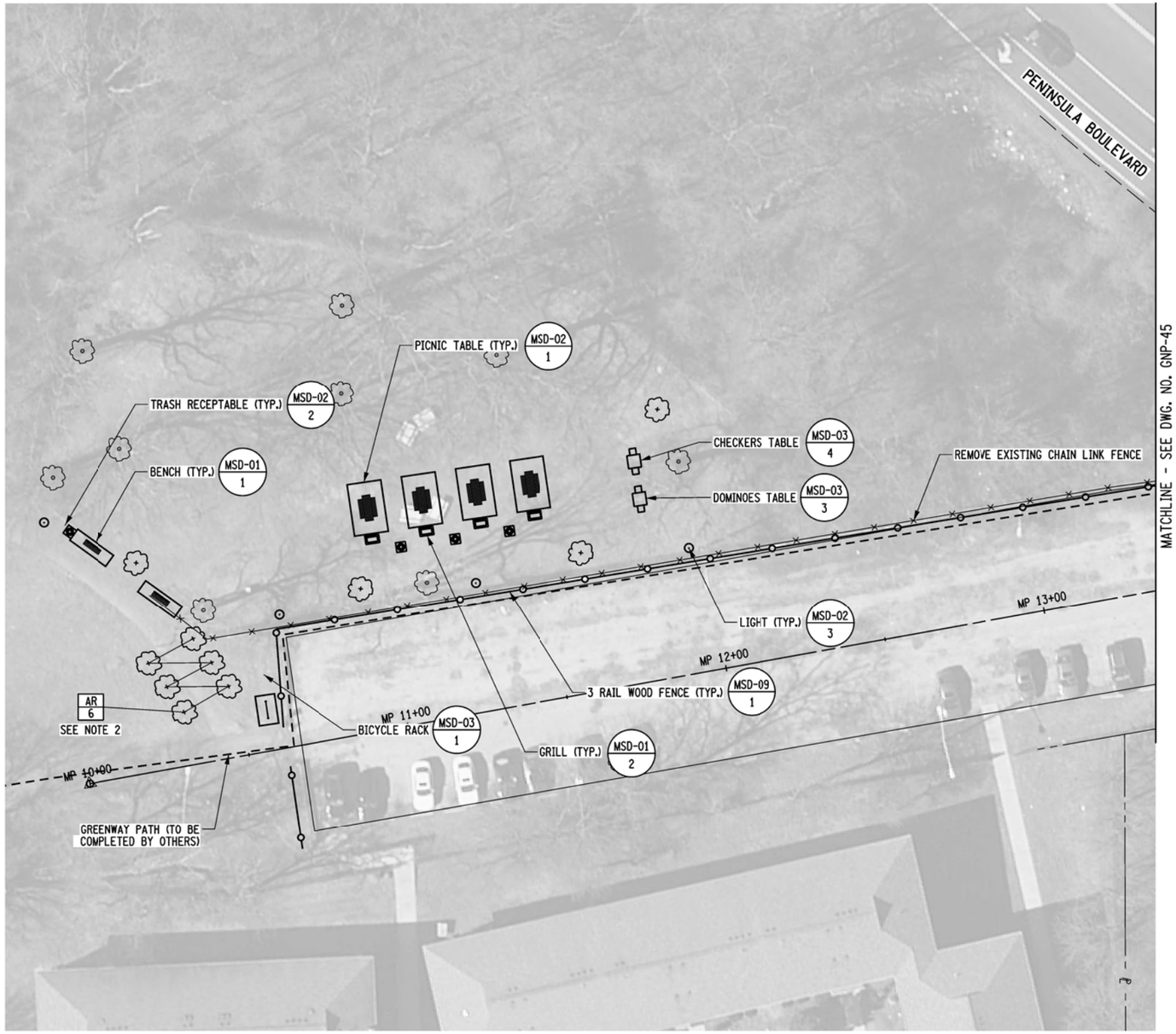
Living with the BAY

PROJECT MANAGER C. SWAYNE
CHECK C. SWAYNE
DRAFTING M. WALSH
DESIGN M. WALSH
JOB MANAGER B. COOPER
DESIGN SUPERVISOR M. PANICHELLI

FILE NAME = F:\mj\1150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\1150004_cph_gnp_53.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

LEGEND

- GREEN STAMPED CONCRETE CURB RAMP WITH VEGETATED TEXTURE
- GREEN STAMPED CONCRETE SIDEWALK PANEL WITH VEGETATED TEXTURE AND PATH MARKER (SEE DETAIL 2 ON DWG. NO. MSD-03)
- GREEN 'BRICK' STAMPED HMA CROSSWALK (SEE DETAIL 2 ON DWG. NO. MSD-04)
- BIOSWALE / POLLINATOR GARDEN (SEE DETAILS ON DWG. NOS. LSD-01 & LSD-03)
- W X-X — WAYFINDING SIGNS
- R X-X — CURB RAMPS
- S X-X — SIDEWALKS
- C X-X — CROSSWALKS
- P X-X — POLLINATOR GARDENS
- B X-X — BIOSWALES
- GREENWAY PATH (CONSTRUCTED UNDER THIS PROJECT)
- GREENWAY PATH (TO BE COMPLETED BY OTHERS)



PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

NOTES:

1. SEE DWG. NO. GNP-01 FOR NOTES.
2. SEE DWG. NO. LSD-03 FOR PLANT SCHEDULE.

20 0 20 40 60 80'
1" = 40'

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED GENERAL PLAN - 54	CONTRACT NUMBER DRAWING NO. GNP-54 SHEET NO. 92

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

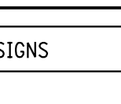
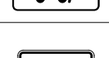
Engineering and Land Surveying, P.C. 1033 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | CHECK C. SWAYNE | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\nj\150\ak\115084 GOSR Mill River Greenway\GOSR Final Design\115084_cph_gnp_54.dgn
DATE/TIME = 6/22/2020
USER = mwalsh

PROPOSED SIGNS				PROPOSED SIGNS			
MUTCD NO.	SIGN TYPE NO.	SIGN FACE	SIZE (IN) AREA (SF)	MUTCD NO.	SIGN TYPE NO.	SIGN FACE	SIZE (IN) AREA (SF)
RS-068 (BROWN)	1		24 X 24 4.00	W16-9P (FLORESCENT YELLOW-GREEN)	11		24 X 12 2.00
M6-1L (BROWN)	2		12 X 18 1.50	R7-1	12		12 x 18 1.50
M6-1R (BROWN)	3		12 X 18 1.50	R7-8	13		12 x 18 1.50
M6-3 (BROWN)	4		12 X 18 1.50				
M6-4 (BROWN)	5		12 X 18 1.50				
CUSTOM	6	"YOU ARE HERE" SIGN (SIGN LAYOUT TO BE PROVIDED BY OTHERS)	XX X XX X.XX				
S1-1L (FLORESCENT YELLOW-GREEN)	7		36 X 36 9.00				
S1-1R (FLORESCENT YELLOW-GREEN)	8		36 X 36 9.00				
W16-7PL (FLORESCENT YELLOW-GREEN)	9		24 X 12 2.00				
W16-7PR (FLORESCENT YELLOW-GREEN)	10		24 X 12 2.00				

WAYFINDING SIGNS ("W" DESIGNATION)				
SHEET NO.	DESIGNATION	STATION	SIDE	SIGN TYPE NO(S).
GNP-01	W 1-1	FS 10+41	RT	1, 4, 6
GNP-04	W 4-1	FS 28+57	RT	1, 2
GNP-04	W 4-2	FS 28+57	RT	1, 4
GNP-04	W 4-3	FS 28+66	RT	1, 3
GNP-04	W 4-4	FS 28+76	LT	1, 3
GNP-04	W 4-5	FS 28+76	LT	1, 2
GNP-05	W 5-1	FS 29+36	LT	1, 4
GNP-05	W 5-2	FS 32+31	LT	1, 2
GNP-05	W 5-3	FS 32+31	LT	1, 4
GNP-05	W 5-4	FS 32+40	LT	1, 4
GNP-05	W 5-5	FS 32+40	LT	1, 3
GNP-08	W 8-1	MS 26+16	LT	1, 4
GNP-08	W 8-2	MS 26+40	LT	1, 2
GNP-08	W 8-3	MS 26+47	LT	1, 3
GNP-08	W 8-4	MS 26+44	RT	1, 3
GNP-08	W 8-5	MS 26+44	RT	1, 2
GNP-08	W 8-6	MS 26+40	RT	1, 6
GNP-08	W 8-7	MS 26+40	RT	1, 4
GNP-11	W 11-1	AA 22+08	LT	1, 4
GNP-11	W 11-2	AA 22+59	LT	1, 4
GNP-12	W 12-1	AA 30+05	LT	1, 4
GNP-12	W 12-2	AA 30+05	LT	1, 4
GNP-13	W 13-1	AA 35+35	LT	1, 4
GNP-13	W 13-2	AA 35+92	LT	1, 4
GNP-15	W 15-1	AA 41+60	LT	1, 4
GNP-15	W 15-2	AA 41+84	LT	1, 3
GNP-15	W 15-3	AA 41+84	LT	1, 2
GNP-15	W 15-4	AA 41+93	RT	1, 6
GNP-15	W 15-5	AA 41+76	RT	1, 4
GNP-15	W 15-6	AA 41+76	RT	1, 4
GNP-15	W 15-7	RA 14+24	LT	1, 4
GNP-16	W 16-1	RA 14+90	LT	1, 4
GNP-17	W 17-1	RA 18+66	LT	1, 3
GNP-17	W 17-2	RA 18+66	LT	1, 4
GNP-17	W 17-3	RA 18+80	LT	1, 2
GNP-17	W 17-4	RA 18+73	RT	1, 4
GNP-17	W 17-5	RA 18+73	RT	1, 4
GNP-18	W 18-1	GP 14+82	RT	1, 4
GNP-18	W 18-2	GP 15+14	RT	1, 4
GNP-18	W 18-3	GP 18+77	RT	1, 2

WAYFINDING SIGNS ("W" DESIGNATION)				
SHEET NO.	DESIGNATION	STATION	SIDE	SIGN TYPE NO(S).
GNP-18	W 18-4	GP 18+77	RT	1, 4
GNP-18	W 18-5	GP 18+81	RT	1, 3
GNP-18	W 18-6	GP 18+81	LT	1, 3
GNP-18	W 18-7	GP 18+97	LT	1, 4
GNP-18	W 18-8	GP 18+97	LT	1, 2
GNP-20	W 20-1	GP 27+16	LT	1, 2
GNP-20	W 20-2	GP 27+16	LT	1, 4
GNP-20	W 20-3	O1 11+34	LT	1, 4
GNP-20	W 20-4	O1 11+34	LT	1, 3
GNP-21	W 21-1	O1 15+77	LT	1, 3
GNP-21	W 21-2	O1 15+77	LT	1, 4
GNP-21	W 21-3	O1 15+85	LT	1, 2
GNP-21	W 21-4	MI 10+27	LT	1, 4
GNP-21	W 21-5	MI 10+27	LT	1, 4
GNP-22	W 22-1	MI 17+49	LT	1, 2
GNP-22	W 22-2	MI 17+49	LT	1, 4
GNP-22	W 22-3	MI 17+65	LT	1, 4
GNP-22	W 22-4	MI 17+65	LT	1, 3
GNP-22	W 22-5	MI 17+59	LT	1, 3
GNP-22	W 22-6	MI 17+59	LT	1, 2
GNP-24	W 24-1	MR 9+64	RT	1, 4
GNP-26	W 26-1	MR 20+83	RT	1, 4
GNP-26	W 26-2	MR 20+83	RT	1, 4
GNP-26	W 26-3	MR 21+48	RT	1, 2
GNP-26	W 26-4	MR 21+56	RT	1, 3
GNP-26	W 26-5	MR 21+78	RT	1, 2
GNP-26	W 26-6	MR 21+78	RT	1, 3
GNP-26	W 26-7	NA 9+89	RT	1, 2
GNP-26	W 26-8	NA 9+89	RT	1, 3
GNP-26	W 26-9	NA 10+84	RT	1, 4
GNP-26	W 26-10	NA 10+84	RT	1, 4
GNP-26	W 26-11	NA 12+11	RT	1, 4
GNP-26	W 26-12	NA 12+11	RT	1, 4
GNP-26	W 26-13	NA 12+11	RT	1, 5
GNP-26	W 26-14	NA 13+05	RT	1, 2
GNP-26	W 26-15	NA 13+05	RT	1, 3
GNP-26	W 26-16	NA 13+06	LT	1, 3
GNP-26	W 26-17	NA 13+06	LT	1, 2
GNP-27	W 27-1	SH 14+29	RT	1, 4
GNP-27	W 27-2	SH 14+89	RT	1, 3
GNP-27	W 27-3	SH 14+89	LT	1, 2
GNP-28	W 28-1	SH 18+45	LT	1, 4, 6
GNP-29	W 29-1	NA 15+29	LT	1, 6
GNP-30	W 30-1	NA 21+66	LT	1, 2
GNP-30	W 30-2	NA 21+66	LT	1, 4
GNP-30	W 30-3	NA 21+77	LT	1, 6
GNP-30	W 30-4	MD 10+65	LT	1, 4
GNP-30	W 30-5	MD 10+65	LT	1, 3

WAYFINDING SIGNS ("W" DESIGNATION)				
SHEET NO.	DESIGNATION	STATION	SIDE	SIGN TYPE NO(S).
GNP-31	W 31-1	MD 13+21	LT	1, 2
GNP-31	W 31-2	MD 13+21	LT	1, 4
GNP-31	W 31-3	BA 11+42	LT	1, 3
GNP-31	W 31-4	BA 11+65	LT	1, 3
GNP-31	W 31-5	BA 11+65	LT	1, 2
GNP-31	W 31-6	BA 11+64	RT	1, 4
GNP-31	W 31-7	BA 11+64	RT	1, 4
GNP-32	W 32-1	NS 15+01	RT	1, 4
GNP-33	W 33-1	O2 11+47	RT	1, 4, 6
GNP-36	W 36-1	O2 28+70	RT	1, 4
GNP-36	W 36-2	O2 28+85	RT	1, 3
GNP-36	W 36-3	LA 11+44	RT	1, 4
GNP-36	W 36-4	LA 11+44	RT	1, 2
GNP-37	W 37-1	LA 13+30	RT	1, 6
GNP-38	W 38-1	LA 19+32	RT	1, 4
GNP-38	W 38-2	LA 19+38	RT	1, 5
GNP-38	W 38-3	LA 19+43	RT	1, 4
GNP-38	W 38-4	LA 19+24	LT	1, 3
GNP-38	W 38-5	LA 19+12	LT	1, 2
GNP-39	W 39-1	HS 13+76	RT	1, 4
GNP-39	W 39-2	HS 13+96	RT	1, 3
GNP-39	W 39-3	HE 12+47	RT	1, 4
GNP-39	W 39-4	HE 10+31	RT	1, 4, 6
GNP-40	W 40-1	LA 23+64	RT	1, 4
GNP-40	W 40-2	LA 24+34	RT	1, 2
GNP-40	W 40-3	LA 24+34	RT	1, 3
GNP-40	W 40-4	LB 11+09	LT	1, 4
GNP-41	W 41-1	LB 18+17	LT	1, 4
GNP-41	W 41-2	LB 18+68	LT	1, 4
GNP-42	W 42-1	LB 24+68	LT	1, 4
GNP-42	W 42-2	LB 25+22	LT	1, 2
GNP-42	W 42-3	MA 12+52	RT	1, 3
GNP-42	W 42-4	MA 12+70	RT	1, 4
GNP-45	W 45-1	MA 22+24	RT	1, 4
GNP-45	W 45-2	MA 22+24	RT	1, 4
GNP-45	W 45-3	MA 23+26	RT	1, 2
GNP-45	W 45-4	MA 23+26	RT	1, 3
GNP-46	W 46-1	MA 23+79	LT	1, 4
GNP-46	W 46-2	MA 23+79	LT	1, 4
GNP-47	W 47-1	P1 21+36	RT	1, 2
GNP-47	W 47-2	P1 21+36	RT	1, 4
GNP-47	W 47-3	P1 21+45	RT	1, 3
GNP-47	W 47-4	P1 21+51	LT	1, 3
GNP-47	W 47-5	P1 21+51	LT	1, 2
GNP-47	W 47-6	P1 22+14	LT	1, 3
GNP-47	W 47-7	P1 22+14	LT	1, 2
GNP-47	W 47-8	P1 22+40	LT	1, 4
GNP-53	W 53-1	P2 23+91	LT	1, 4, 6

SIGN RELOCATIONS - ITEM XXX						
SHEET NO.	DESIGNATION	START STATION	SIDE	END STATION	SIDE	DESCRIPTION
GNP-17	17-1	RA 18+73	RT	GP 10+74	RT	STREET SIGNS AND NO THRU TRUCKS
GNP-18	18-1	GP 14+70	RT	GP 14+74	RT	STOP SIGN
GNP-18	18-2	GP 17+73	RT	GP 14+70	LT	STREET SIGNS
GNP-21	21-1	MI 10+20	LT	MI 10+27	RT	STREET SIGNS
GNP-32	32-1	NS 14+11	RT	NS 13+91	RT	NO PARKING HERE ANY TIME
GNP-44	44-1	MA 16+55	RT	MA 16+47	RT	AREA UNDER VIDEO SURVEILLANCE
GNP-50	50-1	PI 38+47	LT	PA 38+45	LT	ROCKVILLE CENTRE SPEED LIMIT

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY

TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN:

BRIDGE

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

SIGN TABLES

CONTRACT NUMBER

DRAWING NO. SGT-01
SHEET NO. 93

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road • Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\mj1150\M1150.04 GOSR Mill River Greenway\OGN_Final Design\1150O4_cph_sgt_01.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | CHECK C. SWAYNE | DRAFTING M. WALSH | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\u1150\d1150184 GOSR Mill River Greenway\GDN_Final Design\1150184_cph_sgp_01.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

40 0 40 80 120 160'
1" = 80'

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN:

BRIDGE

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

SIGN PLAN - 01

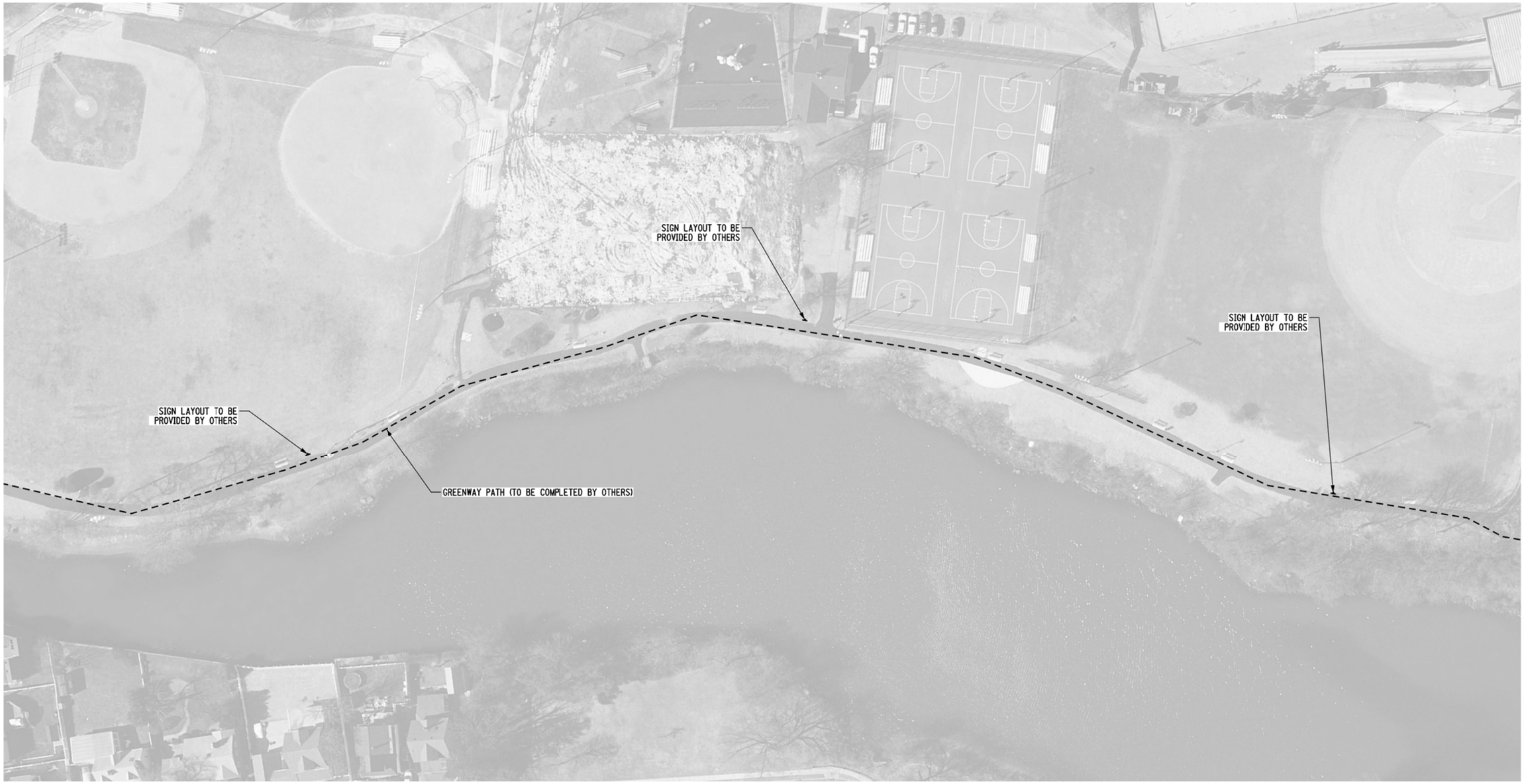
CONTRACT NUMBER

DRAWING NO. SGP-01
SHEET NO. 94

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY



DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | CHECK C. SWAYNE | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\nj\115004\115004 GOSR Mill River Greenway\OGW_Final Design\115004_oph_sgp_02.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

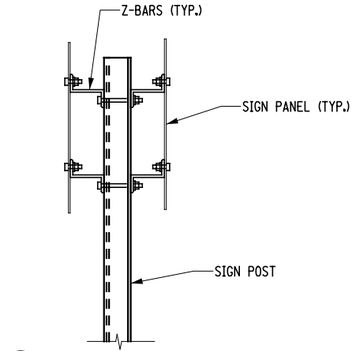
40 0 40 80 120 160'
1" = 80'

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED SIGN PLAN - 02	CONTRACT NUMBER DRAWING NO. SGP-02 SHEET NO. 95

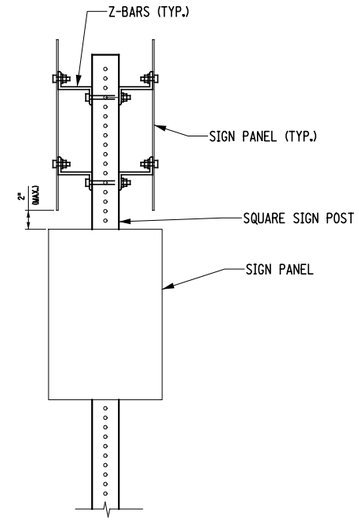
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1633 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

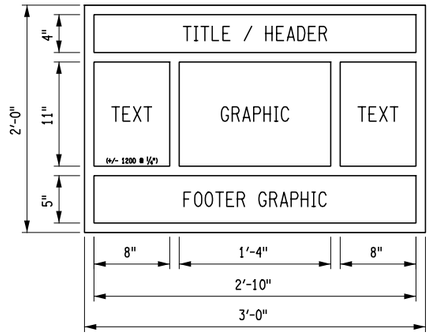


1 BACK TO BACK SIGN POSITIONING DETAIL

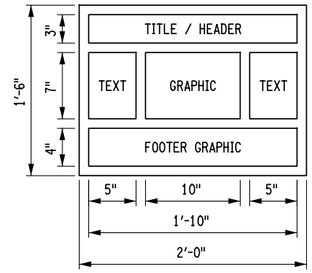


2 4 WAY SIGN POSITIONING ON SQUARE POST DETAIL

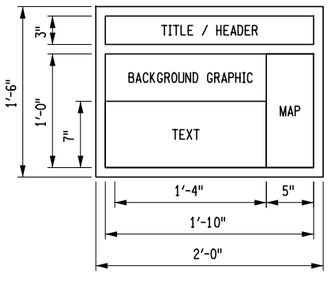
POLLINATOR GARDENS/BIOSWALES - LARGE



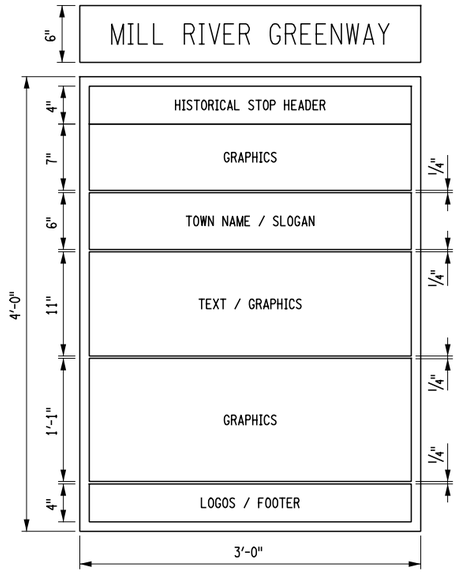
POLLINATOR GARDENS/BIOSWALES - SMALL

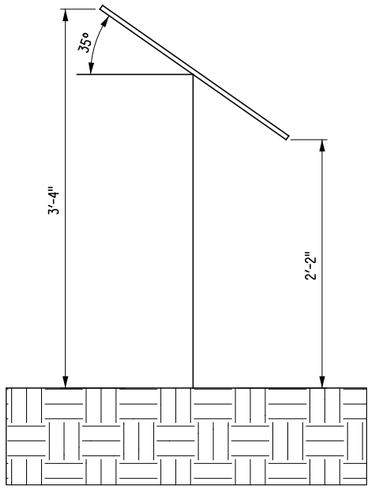


PARK CONNECTIONS

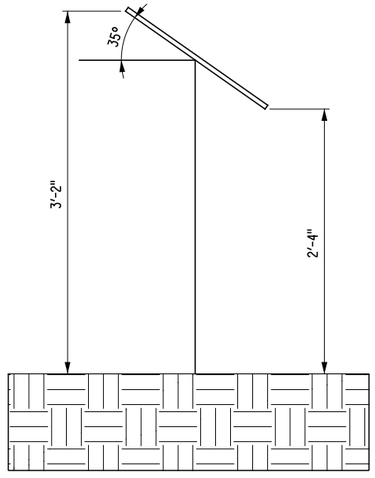


HISTORICAL SIGNS



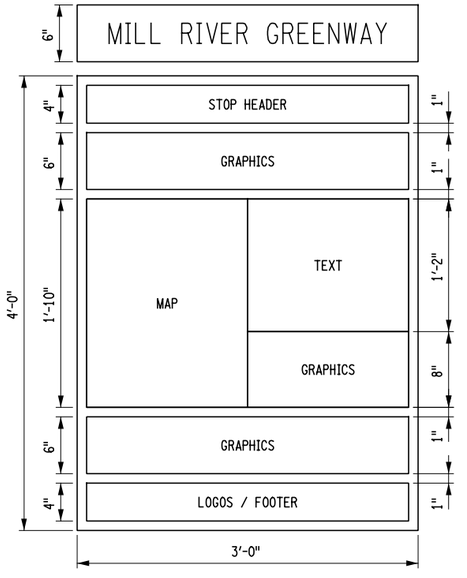


3 LARGE SIGN SECTION VIEW



4 SMALL SIGN SECTION VIEW

TRAILS & DESTINATIONS



PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER
					SIGN DETAILS	DRAWING NO. SGD-01 SHEET NO. 96

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

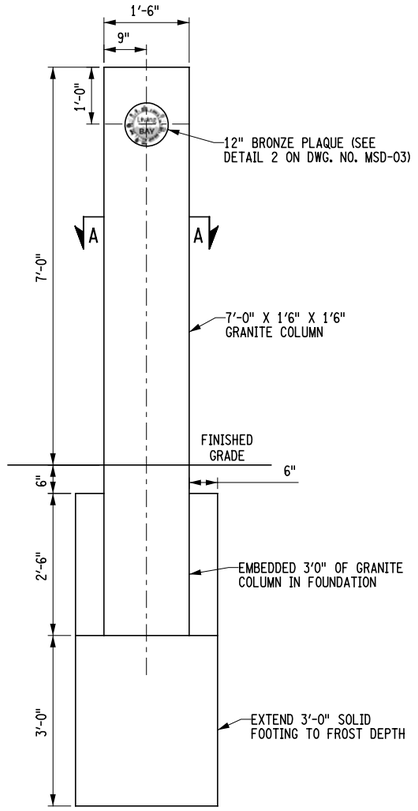
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

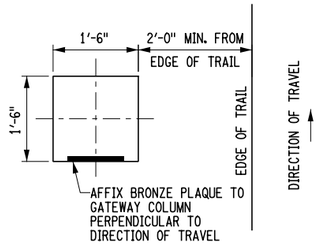
Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\mj1150\M1150.04 GOSR Mill River Greenway\DGN_Final Design\1150004_cph_sgd_01.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



① GATEWAY COLUMN
SCALE: N.T.S.



SECTION A-A
SCALE: N.T.S.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED SIGN DETAILS	CONTRACT NUMBER DRAWING NO. SGD-02 SHEET NO. 97

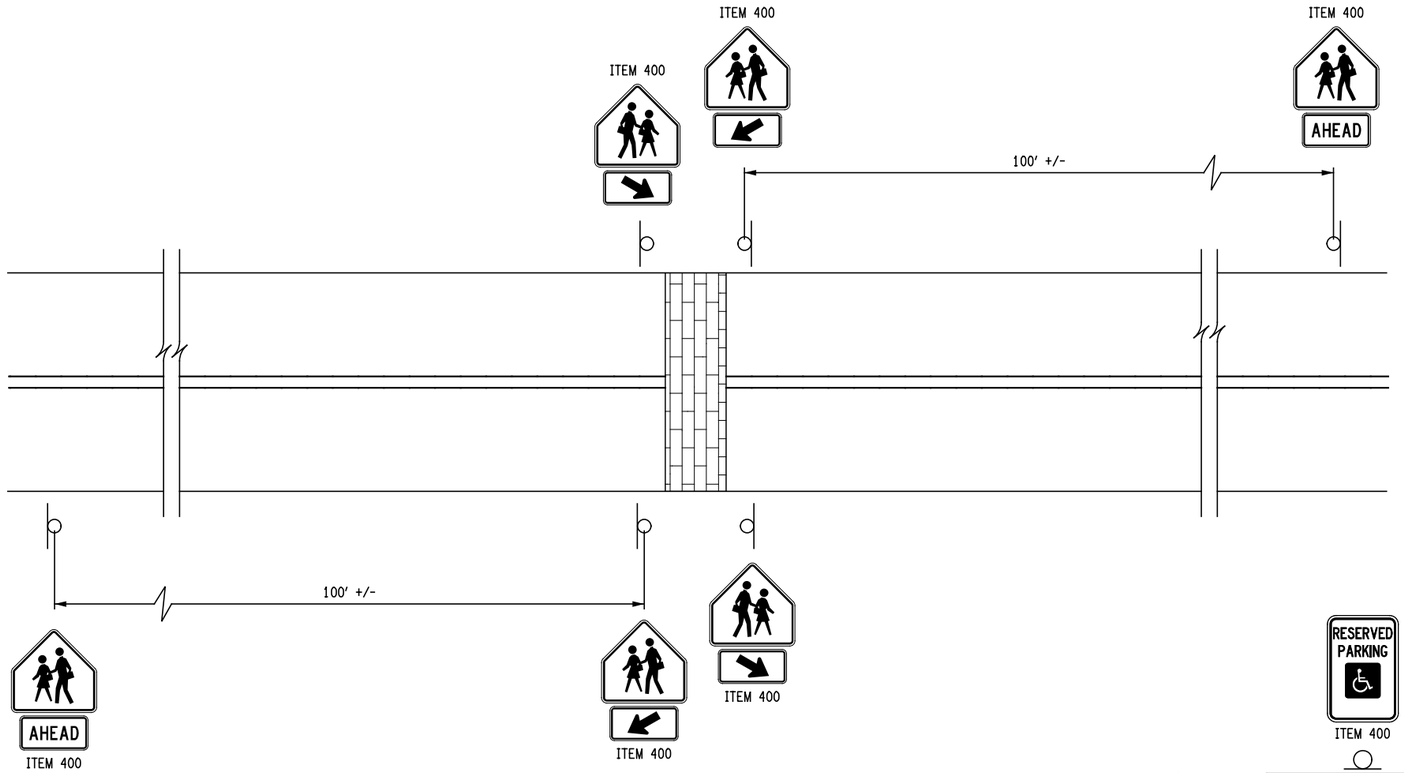
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

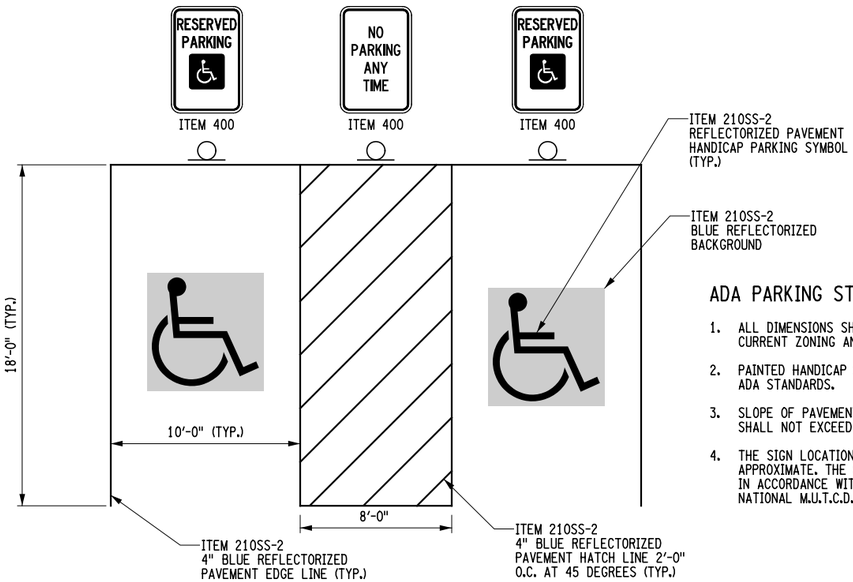
DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | CHECK C. SWAYNE | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\mj\1150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\1150004-cph-sgd.02.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



1 MIDBLOCK CROSSING DETAIL

SCALE: N.T.S.



ADA PARKING STALL NOTES:

1. ALL DIMENSIONS SHALL BE IN ACCORDANCE WITH ADA AND CURRENT ZONING AND LOCAL REGULATIONS.
2. PAINTED HANDICAP SYMBOL SHALL BE IN ACCORDANCE WITH ADA STANDARDS.
3. SLOPE OF PAVEMENT SURFACE IN HANDICAP PARKING AREA SHALL NOT EXCEED 2% IN ANY DIRECTION.
4. THE SIGN LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL INSTALL NEW SIGNS IN ACCORDANCE WITH THE CURRENT VERSIONS OF THE NATIONAL M.U.T.C.D. AND NYS SUPPLEMENT.

2 ACCESSIBLE PARKING STALL DETAIL

SCALE: 1/8" = 1'-0"
LOCATION: SEE DWG. NO. GNP-1-6

PROJECT MANAGER C. SWAYNE
CHECK C. SWAYNE
DRAFTING M. WALSH
DESIGN M. WALSH
JOB MANAGER B. COOPER
DESIGN SUPERVISOR M. PANICHELLI

FILE NAME = F:\mjl150\MJ1150.04 GOSR Mill River Greenway\DGN\Final Design\1150.04_cph_sgd_03.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

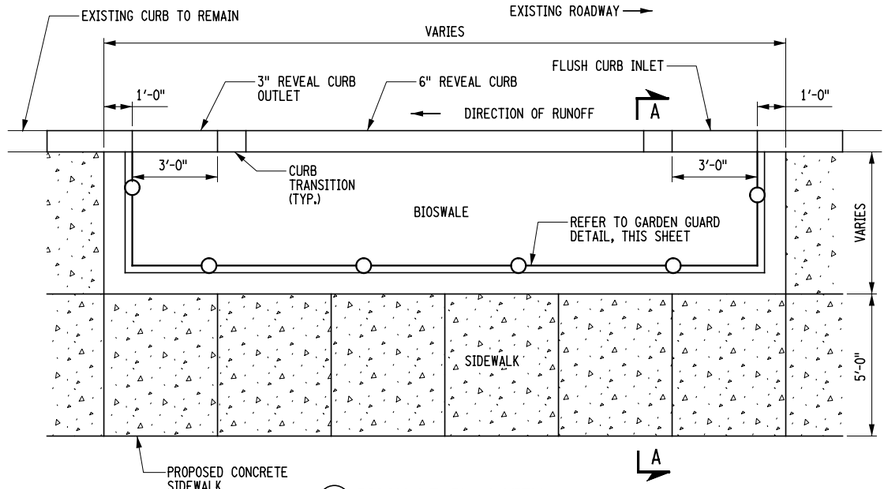
PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED SIGN DETAILS	CONTRACT NUMBER DRAWING NO. SGD-03 SHEET NO. 98

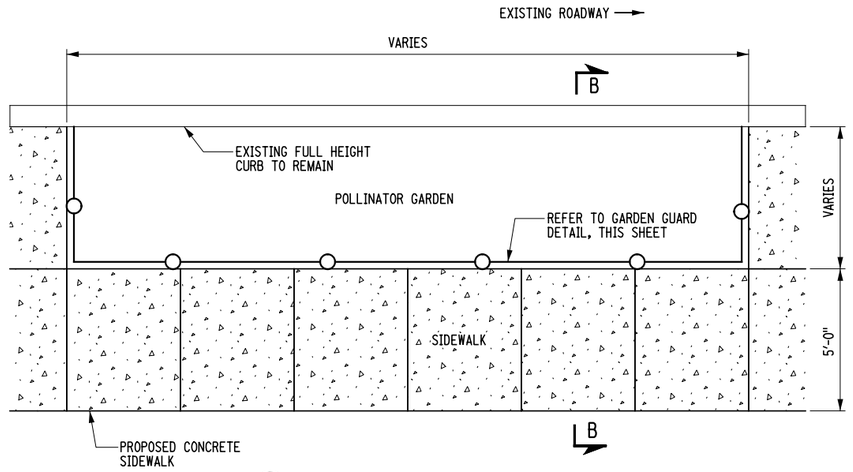
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road • Clifton Park, NY 12065

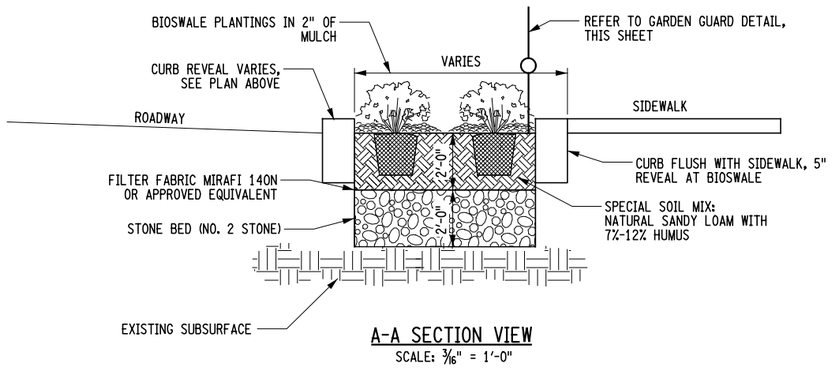
GOVERNOR'S OFFICE OF STORM RECOVERY



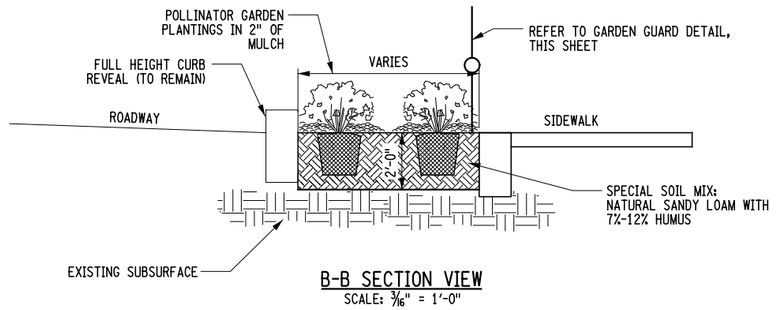
1 BIOSWALE PLAN VIEW
SCALE: 3/16" = 1'-0"



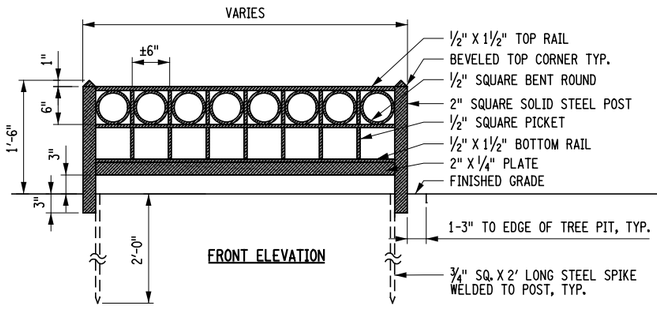
2 POLLINATOR GARDEN PLAN VIEW
SCALE: 3/16" = 1'-0"



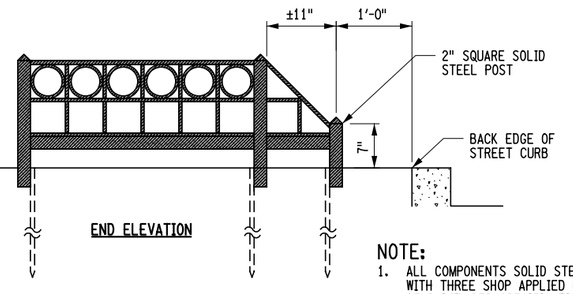
A-A SECTION VIEW
SCALE: 3/16" = 1'-0"



B-B SECTION VIEW
SCALE: 3/16" = 1'-0"



3 BIOSWALE / POLLINATOR GUARD TYPE "B"
SCALE: 1/2" = 1'-0"



TYPE "B" THREE-SIDED DESIGN
SCALE: 1/2" = 1'-0"

NOTE:
1. ALL COMPONENTS SOLID STEEL WITH THREE SHOP APPLIED COATS OF PAINT, PER SPECIFICATIONS.

NOTES:

1. SEE DWG. NO. LSD-03 FOR BIOSWALE AND POLLINATOR GARDEN LAYOUTS AND PLANT SCHEDULE.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED LANDSCAPE DETAILS	CONTRACT NUMBER DRAWING NO. LSD-01 SHEET NO. 99

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

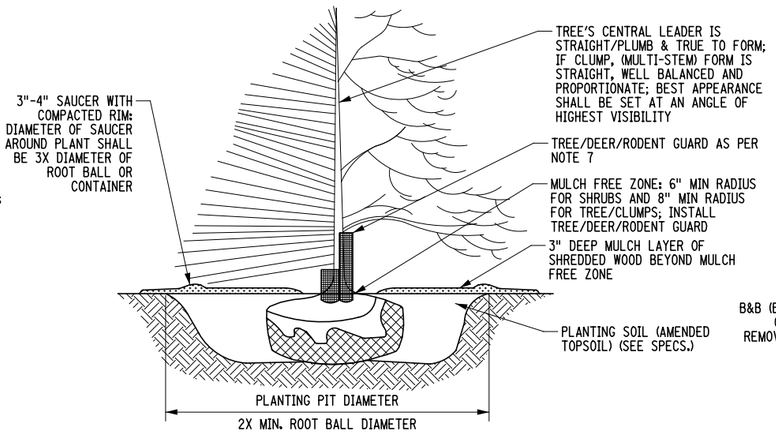
GOVERNOR'S OFFICE OF STORM RECOVERY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | CHECK | DRAFTING M. WALSH | CHECK C. SWAYNE | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

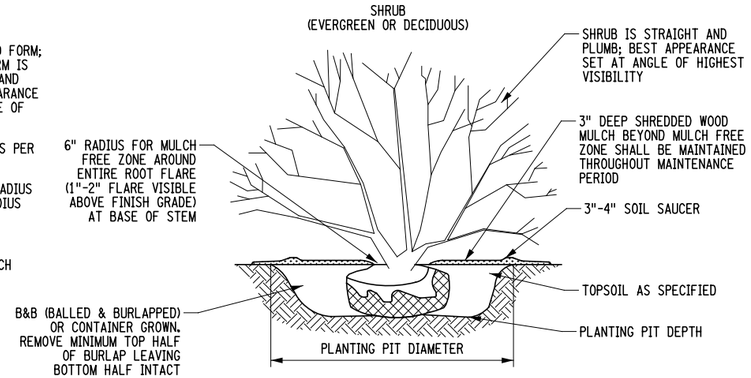
FILE NAME = F:\mj1150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\1150004_cph_lsd_01.dgn
DATE/TIME = 6/12/2020
USER = mwalsh

TREE & SHRUB PLANTING NOTES:

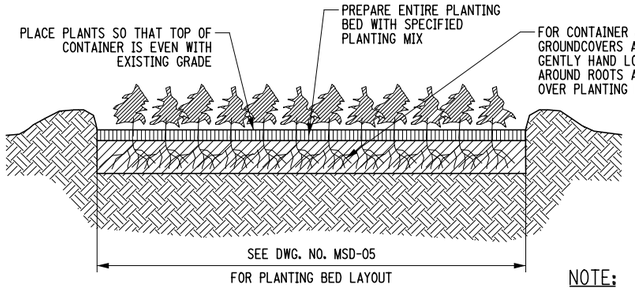
1. DIG PIT WIDTH TO DIMENSIONS SHOWN.
2. REMOVE STONES 2" AND LARGER FROM EXCAVATED PLANT PIT SOIL AND EXCAVATED PIT AREA.
3. DIG PIT DEPTH SAME AS ROOT BALL OR CONTAINER DEPTH.
4. SET ROOT BALL (REMOVE ROOT BALL FROM CONTAINERS) IN CENTER OF PIT SO TOP OF ROOT BALL WHERE ROOTS FLARE OUT (ROOT FLARE/COLLAR) IS 1-2 INCHES ABOVE FINISH GRADE & VISIBLE (NOT COVERED WITH SOIL); THE REST OF THE REMAINING TOP OF ROOT BALL SHALL BE FLUSH WITH FINISH GRADE & COVERED WITH PLANTING SOIL (TOPSOIL, SEE SPECS).
5. IF PLANT IS A CONTAINER: SLIGHTLY LOOSEN EDGES AROUND ROOT BALLS: IF PLANT IS B&B: CUT OFF ALL WIRE/ROPE ETC. AROUND ROOT BALL & DISPOSE OF PROPERLY; FOLD BACK TOP HALF TO TWO-THIRDS OF ROOT BALL LOOSENING ROOT FIBERS AT EXPOSED EDGES; KEEP REMAINING BOTTOM PORTION OF ROOT BALL IN BURLAP INTACT; APPLY ROOT ENHANCER AND FERTILIZER TO ALL B&B AND CONTAINER TREES, CLUMPS, AND SHRUBS.
6. SET PLANT STRAIGHT & PLUMB FROM ALL ANGLES; MAKE SURE ROOT BALL IS NOT DRY-MOISTEN IF NEEDED; INSTALL AS SPECIFIED; BACKFILL WITH APPROVED TOPSOIL PARTIALLY; CHECK AGAIN TO ASSURE PLANT IS STRAIGHT & PLUMB ADJUSTING AGAIN FOR APPROVAL; FINISH BACKFILL WITH APPROVED TOPSOIL; SMOOTH OUT EXCAVATION AREA AND CREATE 3"-4" HT. SAUCER FOR WATERING ZONE.
7. INSTALL TREE RODENT GUARD AS PER DETAIL TO PROTECT AROUND THE BASE OF THE TRUNK OF ALL TREES (NOT SHRUBS). INSTALL FROM TOP OF THE ROOT BALL UP TO A HEIGHT OF 48 INCHES (DECIDUOUS) AND UP TO 12 INCHES OR THE LOWEST BRANCH (EVERGREEN & TREE CLUMPS). THE GUARD SHALL EXTEND 4X DIAMETER OF TRUNK/STEMS AT ROOT BASE & BE SUFFICIENTLY EMBEDDED, SECURED & LAPPED TO EXCLUDE DEER AND OTHER RODENTS.
8. INSTALL CONSTRUCTION FENCE (SEE SPECS.) TO PROTECT PLANTED AND SEEDED AREAS IMMEDIATELY AFTER INSTALLATION IS APPROVED.



TREE PLANTING DETAIL
SCALE: 3/4" = 1'-0"



SHRUB PLANTING DETAIL
SCALE: 3/4" = 1'-0"



SECTION

PERENNIAL, GRASS & GROUNDCOVER PLANTING
SCALE: 3/4" = 1'-0"

NOTE:

ALL GROUND COVER AND PERENNIALS TO BE PLANTED IN A TRIANGULAR PATTERN. REFER TO PLAN AND PLANT SPACING TABLE FOR THIS DETAIL.

GRADING AND TREE PROTECTION NOTES:

1. ALL EARTHWORK SHALL BE SMOOTHLY AND EVENLY BLENDED INTO EXIST. CONDITIONS.
2. THE EROSION CONTROL MEASURES DEPICTED ON THESE PLANS ARE REQUIRED AS MINIMUM. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING AND ALL GENERAL AND PARTICULAR MEASURES AS DEEMED NECESSARY BY THE DIRECTOR'S FIELD REPRESENTATIVES AND THE ENGINEER.
3. TEMPORARY PROTECTION: PROVIDE TEMPORARY FENCING, BARRICADES, OR OTHER SUITABLE GUARDS LOCATED OUTSIDE THE DRIP LINE (OUTER PERIMETER OF BRANCHES) TO PROTECT TREES AND OTHER PLANTS TO REMAIN, FROM DAMAGE.
4. PROTECT TREE ROOT SYSTEMS FROM DAMAGE DUE TO NOXIOUS MATERIALS CAUSED BY RUNOFF OR SPILLAGE WHILE MIXING, PLACING OR STORING CONSTRUCTION MATERIALS. PROTECT ROOT SYSTEMS FROM FLOODING, ERODING OR EXCESSIVE WETTING CAUSED BY DE-WATERING OPERATIONS.
5. DO NOT STORE CONSTRUCTION MATERIALS, DEBRIS OR EXCAVATED MATERIAL WITHIN TREE DRIP LINE OF REMAINING TREES. DO NOT PERMIT VEHICLES OR FOOT TRAFFIC WITHIN THE DRIP LINE, AND PREVENT SOIL COMPACTION OVER ROOT SYSTEMS.
6. WHERE EXCAVATION FOR NEW CONSTRUCTION IS REQUIRED WITHIN TREE DRIP LINES, HAND EXCAVATE TO MINIMIZE DAMAGE TO ROOT SYSTEMS. USE NARROW TINE SPADING FORKS AND COMB SOIL TO EXPOSE ROOTS.
   A. RELOCATE ROOTS IN BACKFILL AREAS WHEREVER POSSIBLE. IF ENCOUNTERING LARGE, MAIN LATERAL ROOTS, EXPOSE BEYOND EXCAVATION LIMITS AS REQUIRED TO BEND AND RELOCATE WITHOUT BREAKING. IF ENCOUNTERING IMMEDIATELY ADJACENT TO LOCATION OF NEW CONSTRUCTION AND RELOCATION IS NOT PRACTICAL, CUT ROOTS APPROXIMATELY 3 INCHES BACK FROM NEW CONSTRUCTION.
   B. DO NOT ALLOW EXPOSED ROOTS TO DRY OUT BEFORE PLACING PERMANENT BACKFILL. PROVIDE TEMPORARY EARTH COVER OR PACK WITH PEAT MOSS AND WRAP WITH BURLAP. WATER AND MAINTAIN IN A MOIST CONDITION AND TEMPORARILY SUPPORT AND PROTECT ROOTS FROM DAMAGE UNTIL THEY ARE PERMANENTLY RELOCATED AND COVERED WITH EARTH.
7. WHERE UTILITY TRENCHES ARE REQUIRED WITHIN TREE DRIP LINES, TUNNEL UNDER OR AROUND THE ROOTS BY DRILLING, AUGER BORING, PIPE JACKING OR DIGGING BY HAND.
   A. ROOT PRUNING: DO NOT CUT MAIN LATERAL ROOTS OR TAP ROOTS; CUT ONLY SMALLER ROOTS THAT INTERFERE WITH INSTALLATION ON NEW WORK. CUT ROOTS WITH SHARP BYPASS PRUNING INSTRUMENT; DO NOT BREAK OR CHOP.
8. GRADE LOWERING: WHERE NEW FINISHED GRADE IS INDICATED BELOW EXIST. GRADE AROUND TREES, SLOPE GRADE AWAY FROM TREES.
   A. ROOT PRUNING: PRUNE TREE ROOTS EXPOSED DURING GRADE LOWERING. DO NOT CUT MAIN LATERAL ROOTS OR TAP ROOTS: CUT ONLY SMALLER ROOTS. CUT ROOTS WITH SHARP BYPASS PRUNING INSTRUMENTS: DO NOT BREAK OR CHOP.
9. MINOR FILL: WHERE EXIST. GRADE IS 6 INCHES OR LESS BELOW ELEVATION OF FINISHED GRADE SHOWN AROUND TREES, FILL WITH TOPSOIL. PLACE TOPSOIL IN A SINGLE UNCOMPACTED LAYER AND HAND GRADE TO REQUIRED FINISHED ELEVATIONS.
10. DO NOT REGRADE MORE THAN 6 INCHES ABOVE EXIST. GRADE AROUND TREES. PROVIDE TREE PROTECTION FOR FILL OVER 6 INCHES.
11. PRUNE REMAINING TREES AFFECTED BY TEMPORARY AND NEW CONSTRUCTION.
12. PRUNE REMAINING TREES TO COMPENSATE FOR ROOT LOSS CAUSED BY DAMAGING OR CUTTING ROOT SYSTEM. PROVIDE SUBSEQUENT MAINTENANCE DURING CONTRACT PERIOD.
13. PRUNING STANDARDS: PRUNE TREES ACCORDING TO THE NATIONAL ARBORIST ASSOCIATION'S "PRUNING STANDARDS FOR SHADE TREES".
14. CUT BRANCHES WITH SHARP BYPASS PRUNING INSTRUMENTS: DO NOT BREAK OR CHOP.

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED LANDSCAPE DETAILS	CONTRACT NUMBER DRAWING NO. LSD-02 SHEET NO. 100

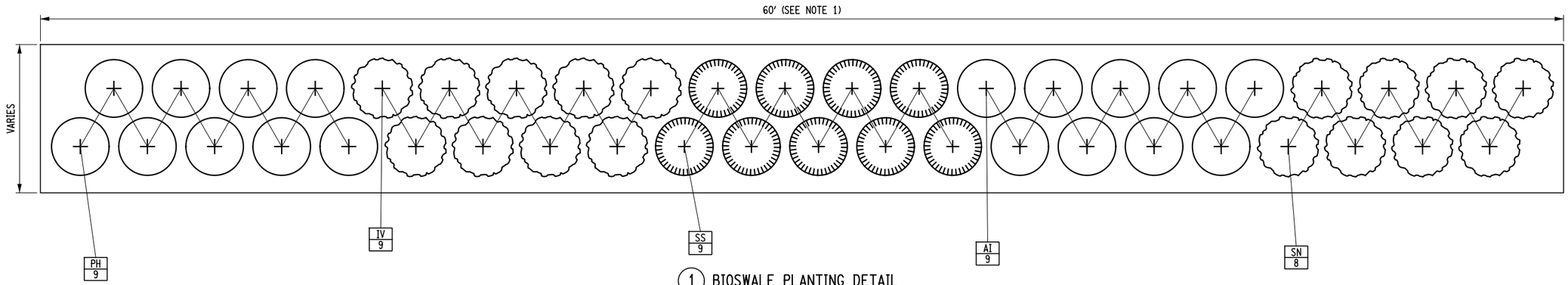
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

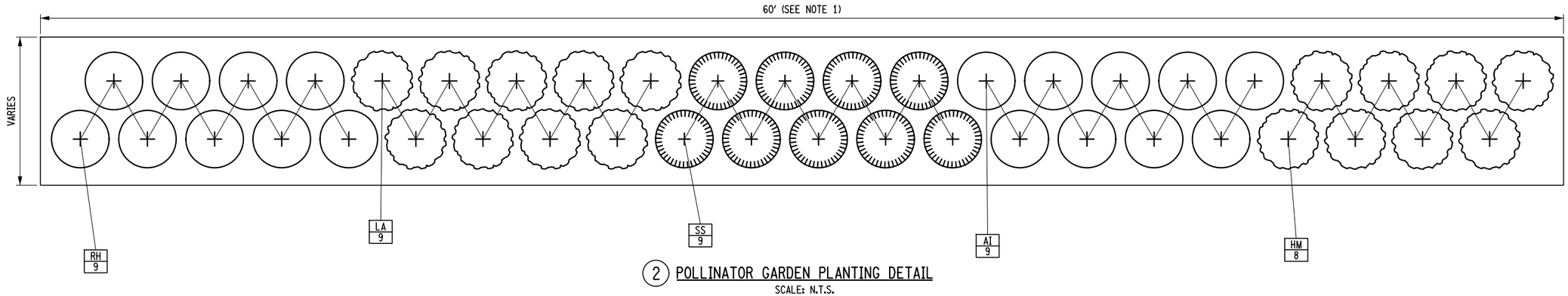
DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | CHECK C. SWAYNE | DRAFTING M. WALSH | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\nj\11150\M\11150.04 GOSR Mill River Greenway\DGN_Final Design\115004_cph_lsd_02.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



1 BIOSWALE PLANTING DETAIL

SCALE: N.T.S.



2 POLLINATOR GARDEN PLANTING DETAIL

SCALE: N.T.S.

LEGEND	
XX / YY	XX = PLANT ABBREVIATION YY = QUANTITY

NOTES:

1. THIS DETAIL DEPICTS A BIOSWALE/POLLINATOR GARDEN LENGTH OF 60 FEET. PLANTINGS SHALL BE REPEATED OR REDUCED AS NECESSARY FOR LENGTHS LESS THAN OR GREATER THAN 60 FT.

PLANT SCHEDULE

ABRV.	BOTANICAL NAME	COMMON NAME	NUMBER	SIZE	SPACING	REMARKS
		TREES				
AR	ACER RUBRUM 'RED SUNSET'	RED MAPLE	14	2.5"-3" CAL.	AS SHOWN	ITEM T-10
JV	JUNIPERUS VIRGINIANA 'BURKII'	RED CEDAR	7	7-8' HEIGHT	AS SHOWN	ITEM T-31
		PERENNIALS / GRASSES				
AI	ASCLEPIAS TUBEROSA	BUTTERFLY WEED	611	1 GAL.	24-30" O.C.	ITEM S
HM	HELIANTHUS 'TUSCAN SUN'	PERENNIAL SUNFLOWER	486	1 GAL.	24-30" O.C.	ITEM S
IV	IRIS VERSICOLOR	BLUE FLAG IRIS	110	1 GAL.	24-30" O.C.	ITEM S
LA	LIATRIS ASPERA	BLAZING STAR	624	1 GAL.	24-30" O.C.	ITEM S
PH	PENNISETUM 'HAMELN'	DWARF FOUNTAIN GRASS	344	1 GAL.	24-30" O.C.	ITEM S
RH	RUDBECKIA HIRTA	BLACK-EYED SUSAN	660	1 GAL.	24-30" O.C.	ITEM S
SS	SOLIDAGO SPHACELATA 'GOLDEN FLEECE'	GOLDENROD	634	1 GAL.	24-30" O.C.	ITEM S
SN	SYMPHYOTRICHIUM NOVAE-ANGLIAE 'PURPLE DOME'	NEW ENGLAND ASTER	40	1 GAL.	24-30" O.C.	ITEM S

PREPARED BY: MJ ENGINEERING & LAND SURVEYING

ALTERED BY:
ON:

PERMIT SET SUBMISSION
NOT FOR CONSTRUCTION

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY
TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN:

BRIDGE

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

LANDSCAPE DETAILS

CONTRACT NUMBER

DRAWING NO. LSD-03
SHEET NO. 101

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

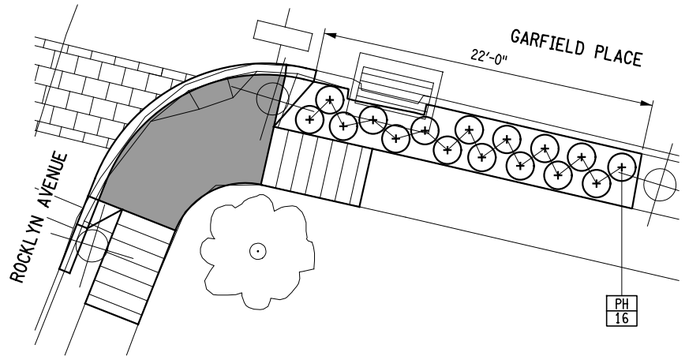
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

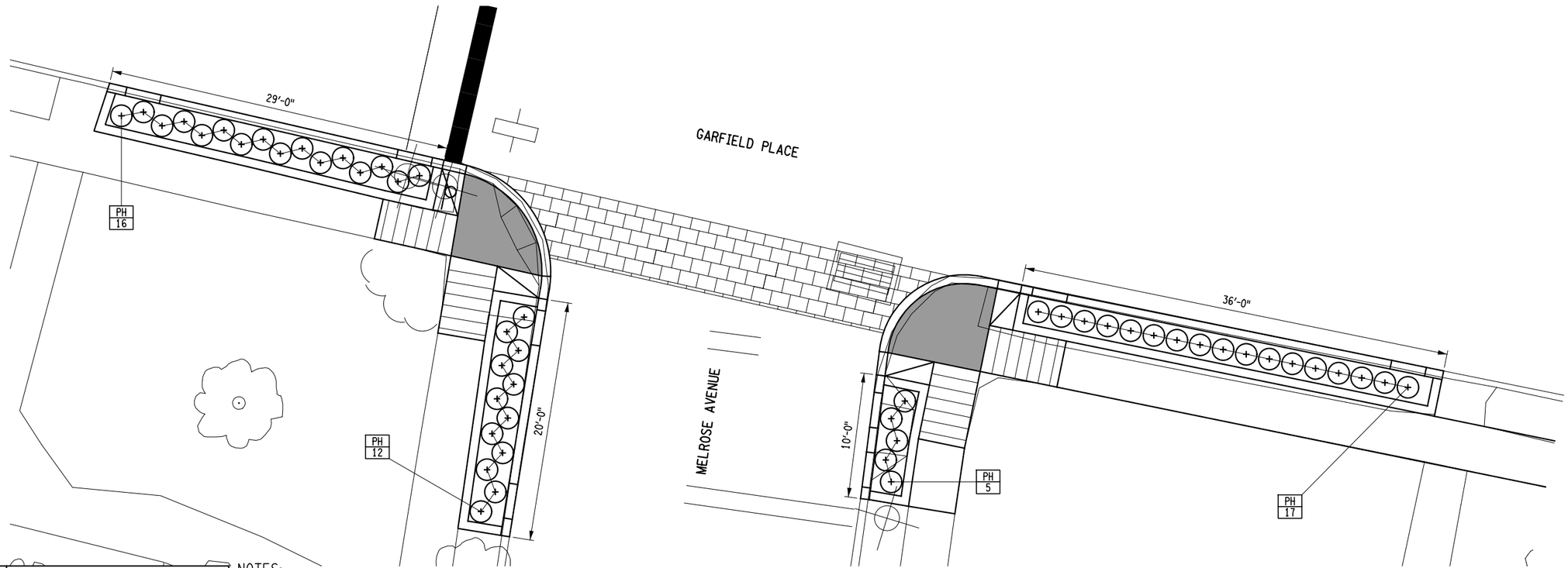
DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\nj\1150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\1150404_cph_lsd_03.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



GRID NORTH

1 POLLINATOR GARDEN LOCATION
ROCKLYN AVENUE / GARFIELD PLACE INTERSECTION
SCALE: 1" = 10'-0"



LEGEND	
XX / YY	XX = PLANT ABBREVIATION YY = QUANTITY

NOTES:

1. REFER TO PLANT SCHEDULE ON DWG. NO. LSD-03.
2. UTILITIES LOCATED WITHIN THE EXCAVATION AREA SHALL BE LEFT IN PLACE AND THE PROPOSED BIOSWALE / POLLINATOR GARDEN SHALL BE BUILT AROUND THE UTILITY.

2 BIOSWALE LOCATION
GARFIELD PLACE / MELROSE AVENUE INTERSECTION
SCALE: 1" = 10'-0"

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR) LIVING WITH THE BAY - MILL RIVER GREENWAY TOWN OF HEMPSTEAD COUNTY: NASSAU	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED MISCELLANEOUS DETAILS	CONTRACT NUMBER DRAWING NO. LSD-04 SHEET NO. 102

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

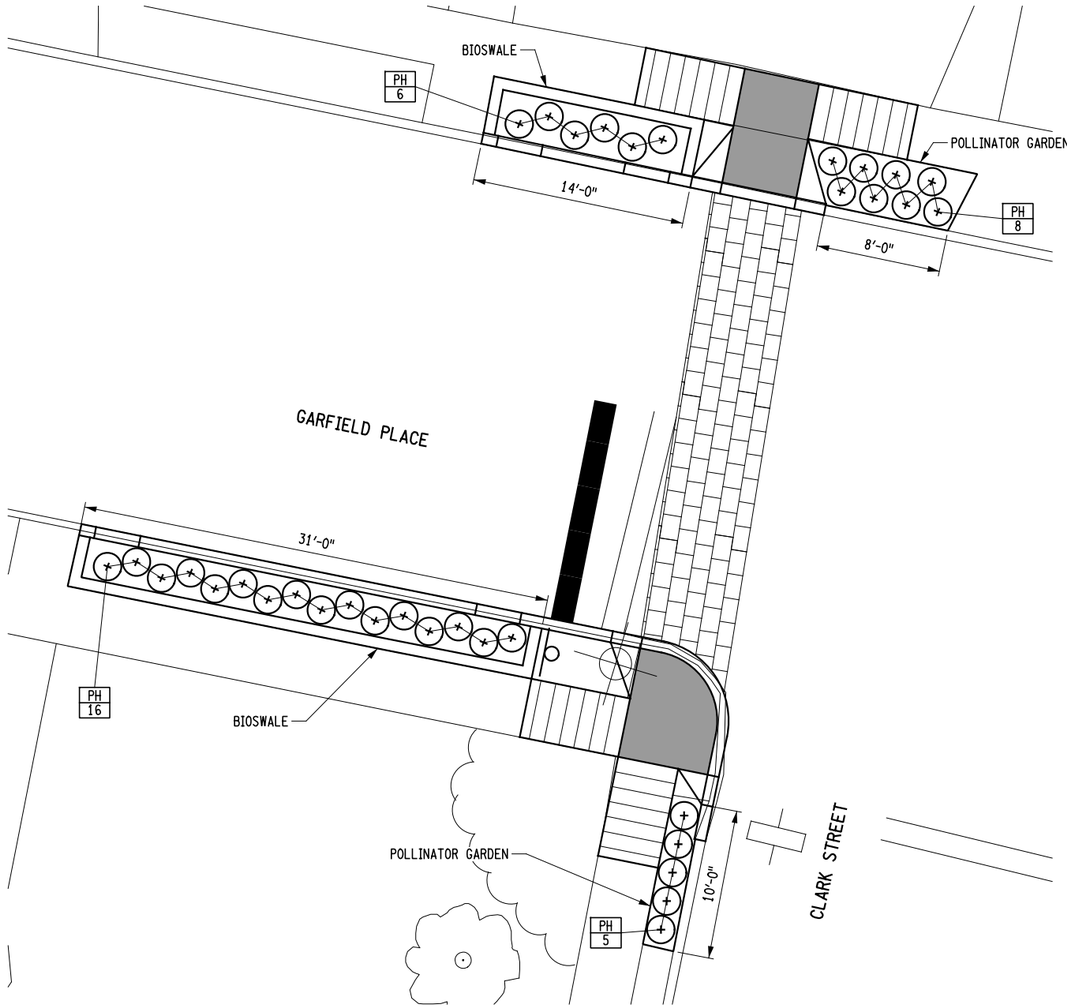
Engineering and Land Surveying, P.C.
1533 Crescent Road • Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

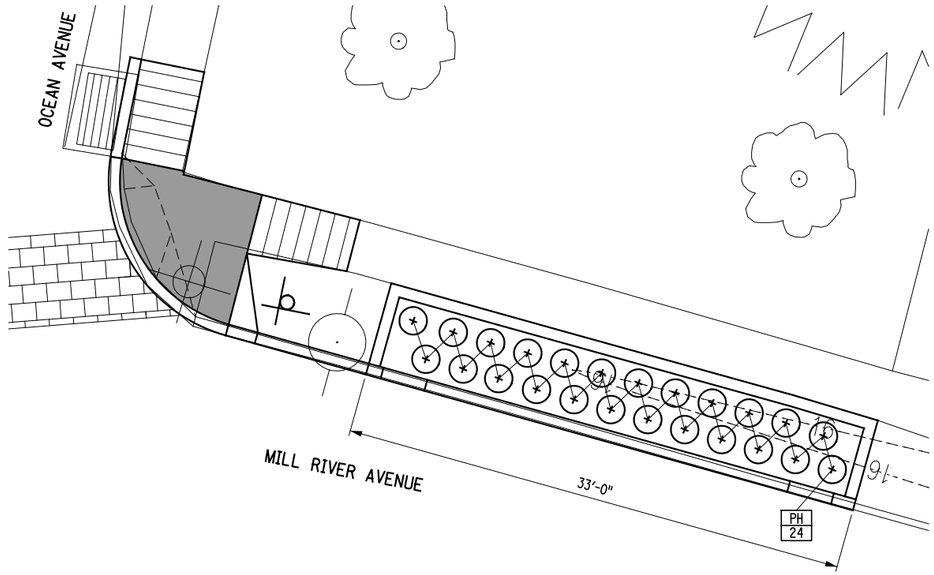
DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | CHECK C. SWAYNE | DRAFTING M. WALSH | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\mj1150\MJ1150.04 GOSR Mill River Greenway\100N_Final Design\1150.04_cph_lsd_04.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



1 POLLINATOR GARDEN / BIOSWALE LOCATION
CLARK STREET / GARFIELD PLACE INTERSECTION
SCALE: 1" = 10'-0"

GRID NORTH



2 BIOSWALE LOCATION
OCEAN AVENUE / MILL RIVER AVENUE INTERSECTION
SCALE: 1" = 10'-0"

NOTES:

1. REFER TO PLANT SCHEDULE ON DWG. NO. LSD-03.
2. UTILITIES LOCATED WITHIN THE EXCAVATION AREA SHALL BE LEFT IN PLACE AND THE PROPOSED BIOSWALE / POLLINATOR GARDEN SHALL BE BUILT AROUND THE UTILITY.

LEGEND

XX / YY	XX = PLANT ABBREVIATION YY = QUANTITY

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)	PIN:	BRIDGE	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED
LIVING WITH THE BAY - MILL RIVER GREENWAY				LANDSCAPE DETAILS
TOWN OF HEMPSTEAD				
COUNTY: NASSAU				

CONTRACT NUMBER

DRAWING NO. LSD-05
SHEET NO. 103

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

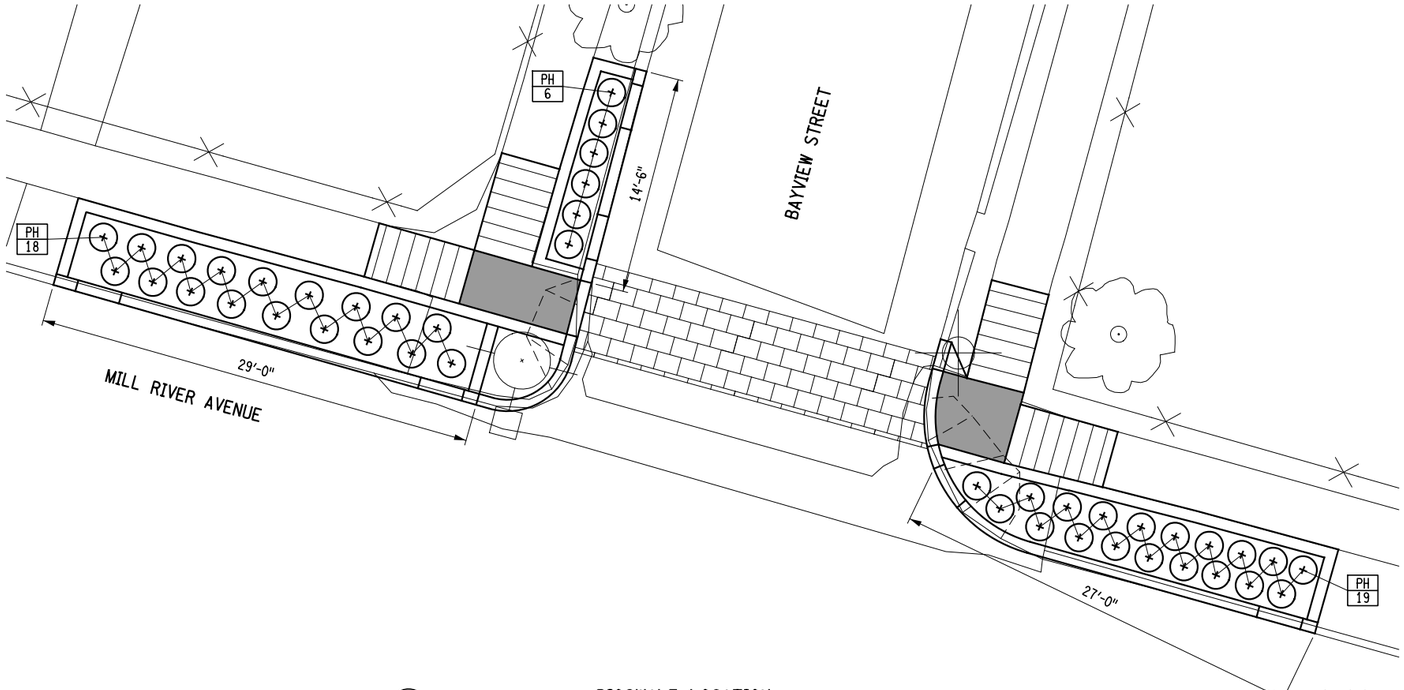
Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

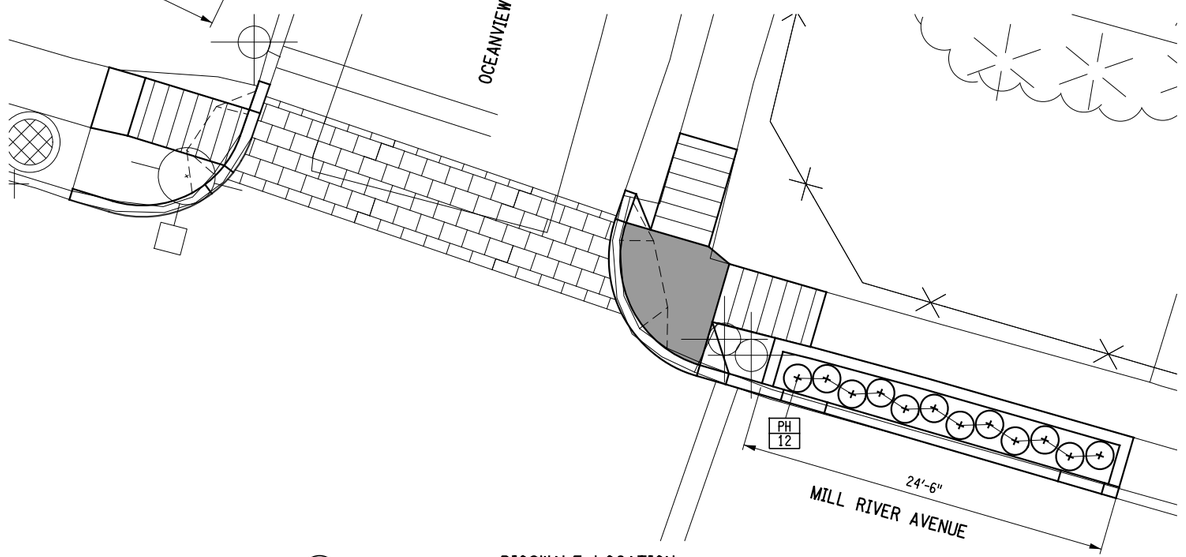
Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE | CHECK C. SWAYNE

FILE NAME = F:\mj1150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\1150004_ceph_lsd_05.dgn
DATE/TIME = 6/12/2020
USER = mwalsh



1 BIOSWALE LOCATION
MILL RIVER AVENUE / BAYVIEW STREET INTERSECTION
SCALE: 1" = 10'-0"



2 BIOSWALE LOCATION
MILL RIVER AVENUE / OCEANVIEW ROAD INTERSECTION
SCALE: 1" = 10'-0"

GRID NORTH

NOTES:

1. REFER TO PLANT SCHEDULE ON DWG. NO. LSD-03.
2. UTILITIES LOCATED WITHIN THE EXCAVATION AREA SHALL BE LEFT IN PLACE AND THE PROPOSED BIOSWALE / POLLINATOR GARDEN SHALL BE BUILT AROUND THE UTILITY.

LEGEND	
XX / YY	XX = PLANT ABBREVIATION YY = QUANTITY

PREPARED BY: MJ ENGINEERING & LAND SURVEYING	ALTERED BY: ON:
PERMIT SET SUBMISSION NOT FOR CONSTRUCTION	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

GOVERNOR'S OFFICE OF STORM RECOVERY (GOSR)
LIVING WITH THE BAY - MILL RIVER GREENWAY

TOWN OF HEMPSTEAD
COUNTY: NASSAU

PIN:

BRIDGE

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

LANDSCAPE DETAILS

CONTRACT NUMBER

DRAWING NO. LSD-06
SHEET NO. 104

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Engineering and Land Surveying, P.C.
1533 Crescent Road - Clifton Park, NY 12065

GOVERNOR'S OFFICE OF STORM RECOVERY

Living with the BAY

DESIGN SUPERVISOR M. PANICHELLI | JOB MANAGER B. COOPER | DESIGN M. WALSH | DRAFTING M. WALSH | CHECK C. SWAYNE | PROJECT MANAGER C. SWAYNE

FILE NAME = F:\mj\1150\MJ1150.04 GOSR Mill River Greenway\DGN_Final Design\115004_cph_lsd_06.dgn
DATE/TIME = 6/12/2020
USER = mwalsh