Attachment 5

SITE KEY PLAN

S□A□□ 1" □40□

GENERAL SITE NOTES:

1. EXISTING CONDITIONS AND TOPOGRAPHIC INFORMATION AS SHOWN ON THIS DOCUMENT ARE BASED ON THE TOPOGRAPHIC AND UTILITY SURVEY PREPARED BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, AND LANDSCAPE ARCHITECTURE, D.P.C., DATED 06/10/2014, LAST REVISED 10/24/2014.

2. ELEVATIONS SHOWN ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) BASED UPON NGS BENCHMARK MONUMENTS Z 374, D 330, RECOVERED ON 04/28/14, IN GOOD CONDITION.

3. THE MERIDIAN OF THIS SURVEY IS REFERENCED TO GRID NORTH NY LI NAD83.

4. LOCATIONS OF EXISTING UTILITIES SHALL BE CONSIDERED APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITIES PRIOR TO NEW UTILITY INSTALLATIONS. CONTRACTOR TO IMMEDIATELY NOTIFY OWNER AND ENGINEER IN WRITING OF ANY DISCREPANCIES.

5. IT IS MANDATORY, AS PER NYS INDUSTRIAL CODE RULE 53, FOR THE CONTRACTOR TO NOTIFY NEW YORK CITY/LONG ISLAND ONE-CALL CENTER, 36-35 BELL BOULEVARD, SUITE 202, BAYSIDE, NY 11361, TEL 800.272.4480, FAX 718.631.6723, EMAIL BSCHUETT@1-CALL.COM, IN ADDITION TO ALL UNDERGROUND FACILITY OPERATORS IN THE AREA WHO ARE NOT ONE-CALL MEMBERS, NOT LESS THAN TWO (2) FULL BUSINESS DAYS AND NOT MORE THAN TEN (10) FULL BUSINESS DAYS BEFORE COMMENCING EXCAVATION. THE CONTRACTOR WILL RECEIVE A NOTIFICATION TICKET FROM THE ONE-CALL ENTER WHICH SHOULD BE PRESENTED TO THE RESIDENT ENGINEER AS PROOF OF THE CALL..

6. THE CONTRACTOR SHALL BE SOLEY RESPONSIBLE FOR MAINTAINING THE SECURITY OF THE PROJECT SITE DURING ALL WORKING AND NON-WORKING HOURS, SEVEN DAYS A WEEK.

7. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL WORK CONFORMS WITH ALL FEDERAL, STATE, COUNTY OR LOCAL CODES HAVING JURISDICTION OVER SUCH WORK.

8. T□□ □□NT□A□T□□S□A□□□MP□Y W T□ A□□APP□□A□□ □S□A □□□□□AT□□NS AN□ SAF□TY P□□□□□□S T□□ □NS□□□ P□□S□NN□□□□A□T□ AN□ SAF□TY T□□□□NT□A□T□□M□ST MA NTA N A SAF□ AN□□□□AN W□□□N□□N□□□NM□ NT AN□ S□A□□ □NS□□□ P□□P□□P□□S□NA□P□□T□□T□□□□□PM□NT S W□□N AT A□T□M□S□N A□□AS W□□□□P□□□ST□□AN AN□/□□ □□□□□A□ T□AFF□□ MAY □□ AFF□□T□□ □Y T□□ W□□□, T□□ □□NT□A□T□□ S□A□□ □□□□□N □FF T□□W□□□A□□A.

9. P□□□T□ □□MM□N□□N□W□□□, T□□□□NT□A□T□□ S□A□□□ST T□□ST□□AN□ S□A□□N□TFY T□□□WN□□S□P□□S□NTAT□□□F ANY □T□□T□S,ST□□□T□□□S □□ ANY □T□□□ □□□M□NTS W□□□ MAY □MP□□□W□□□□□TY AN□/□□ST□□T□□□ □□□□AT□□NS, F N□□SSA□Y, S□A□□□□□□□□□NAT□□T□□□□□□ T□□□WN□□S □□P□□S□NTAT□□□ AT N□ A□□T□□NA□□□ST.

10. □T S T□□ □□NT□A□T□□S□□SP□NS□□□TY T□ □□□FY, □□□□□NAT□AN□STA□□□S□□□□N□□S W□□□W T□ANY □T□□□P□ANN□□ □□ □N□□N□□ □□NST□□□T□□N A□T□□T□S AT T□□ S T□.

11. T□□ □□NT□A□T□□S□A□□□□□□NAT□ ANY STA□□W□□□,□AY □□WN, AN□ ST□□A□□A□□A □□□AT□NS AN□A□□SS W T□ □WN□□,P□□□T□ STA□T □F W□□□.

12. □□NT□A□T□□ T□N□T□ □□NST□□□T□□N A□T□□T□S MAY □A□□ □□MM□N□□□S N□□S□□□□Y SS□AN□□ AN□AS S□□□T□□S T□ □□N□T□NS S□□WN□□□□□N □□N□T N□□SSA□□Y □F□□□T T□□S□W□□□W□□□F□□N□□NS T□AT T□□STA□T□F □□NST□□□T□□N.

LEGEND

- □□ST□N□ □□□□□N□
- P□□P□S□□ □□□□N□
- P□□P□S□□ NT□□NA□MP□□□□M□NTS (N□ ST□W□□□)
- —℄— P□□P□S□□ □□□T□□A□□□N□□T

ARCHITECT

McGuire Group Architects, P.C.
Healthcare Architecture
538 BROADHOLLOW ROAD, SUITE 201
MELVILLE, NY 11747
631 465 9700, FAX 631 465 9701

MEP ENGINEER

WSP
512 Seventh Avenue
New York, NY 10018
(212) 532-9600
www.wspgroup.com/usa

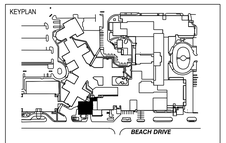
STRUCTURAL ENGINEER

TDM CONSULTING ENGINEER,PC
550 NORTH COUNTRY ROAD
SUITE E, ST. JAMES, NY 11780
TEL. (631) 686-5234, FAX (631) 590-1927

CIVIL ENGINEER

LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com
NEW JERSEY NEW YORK CONNECTICUT PENNSYLVANIA OHIO VIRGINIA WASHINGTON DC FLORIDA NORTH DAKOTA CALIFORNIA
ABU DHABI ATHENS DOHA DUBAI ISTANBUL
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan International LLC
Cotleur&Langan de Langan

KEYPLAN



SEAL

REVISIONS	DATE	DESCRIPTION

□□□ 31, 2014
85□ □□
P□□□□□SS F□□
□□□□W
N□T F□□
□□NST□□□T□N

ISSUE	DATE	DESCRIPTION
2	12.31.14	85% CONSTRUCTION DOCUMENTS
1	07.30.14	100% DESIGN DEVELOPMENT

OWNER

GOOD SAMARITAN
□□SP□TA□M□□□A□□□NT□□
1000 M□NTA□□ □□□WAY
W□ST S□P, NY 11795

PROJECT

ESSENTIAL ELECTRICAL SYSTEM UPGRADES

DRAWING NUMBER

□-001

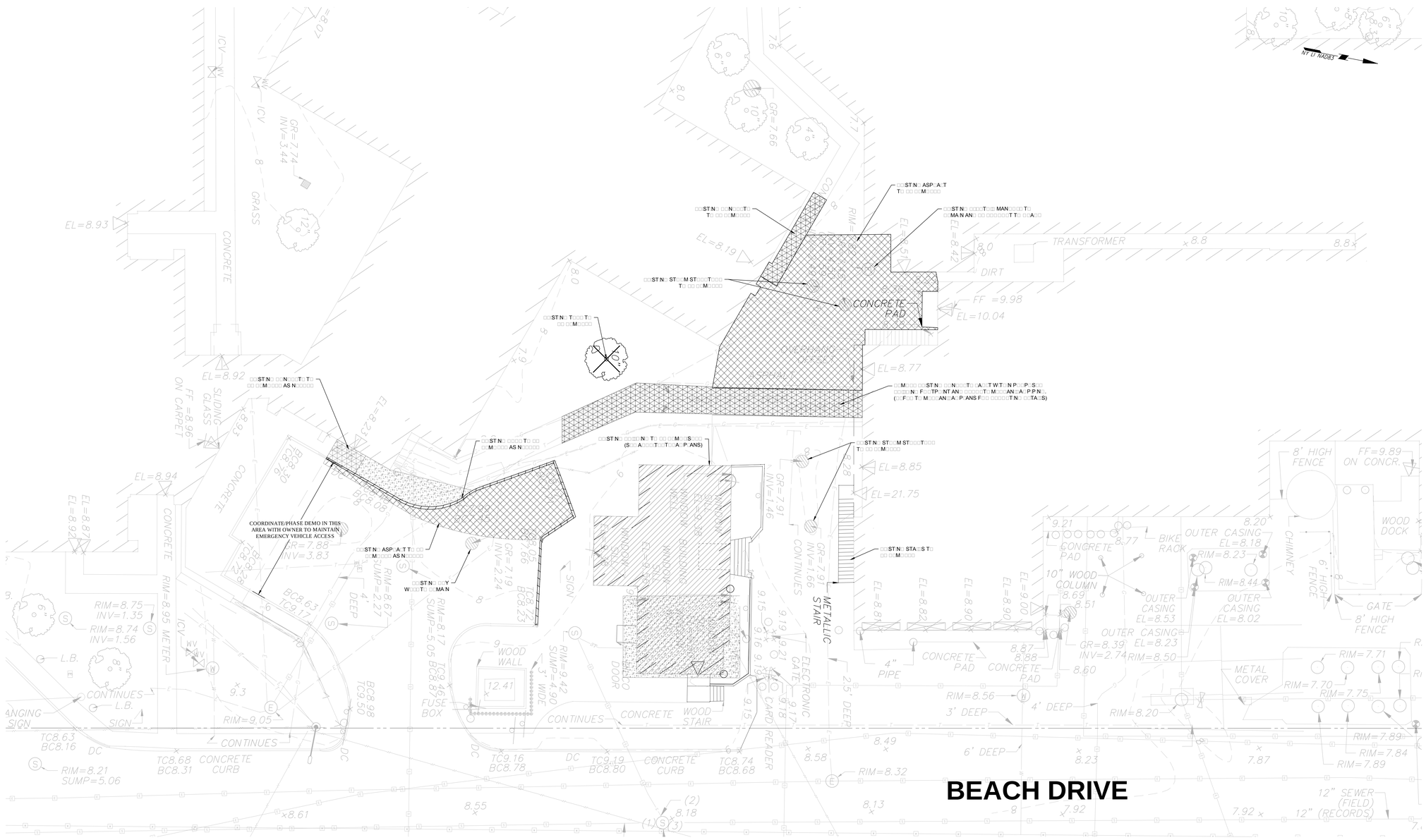
DRAWING NAME

S□T□ □□Y P□AN

DRAWING SCALE	DRAWING FILE
1"□40□	
BINDING ORDER	FIRST ISSUE DATE

40 0 10 25 40
SCALE IN FEET

F filename: □langan.com data N Y data4 170270401□ add □ ata - 170270401 Sheet Files □-001 - S□T□ □□Y P□AN.dwg □ ate: 12/30/2014 T ime: 11:11 □ ser: □bhuss St le Ta le: □langan.stl □ le out: □-001



LOCATION 'A' DEMO PLAN

S□A□□ 1" □ 10□

GENERAL SITE NOTES:

1. □□ST.N□ □□N□T□NS AN□ T□P□□/AP□□ □NF□□MAT□N AS S□□WN □N T□S □□□□M□NT A□□□ AS □□ □N T□□ T□P □□AP□□ AN□ □T□□TY S□□□□Y P□□PA□□□□Y AN□ AN □N□N□□, N□□□NM□NTA□, S□□□□YN□, AN□ AN□S□AP□A□□□□T□□T□□□, □P□A□, □AT□□ 06/10/2014, □AST □□□S□□ 10/24/2014.

2. □□□□AT□□NS S□□WN A□□ □F□□□N□□□ T□ N□□T□ AM□□□AN □□□T□A□□AT□M □F 1988 (NA□88) □AS□□ □P□N N□S □□N□□MA□□ M□N□M□NTS □ 374, □ 330, □□□□□□□□□ □N 04/28/14, N □□□□ □□N□T□□N.

3. T□□M□□□AN □F T□□S S□□□□Y S □□F□□□N□□□ T□ □□□□ N□□T□ NY □NA□83.

4. □□□AT□NS □F □□ST.N□ □T□□T□S S□A□□ □□ □□NS□□□□□□ APP□□□MAT□, □□NT□A□T□□ S□A□□F□□□ □□□FY □□ST.N□ □T□□T□S P□□□V□T□ N□W □T□□TY NSTA□AT□NS. □□NT□A□T□□ T□ MM□□AT□Y N□T□FY □WN□□ AN□□N□N□□□ N W□□T N□□F ANY □S□□□PAN□□S.

5. □T□S MAN□AT□□Y, AS P□□ NYS N□□ST□□A□□□□□□□□ 53, F□□ T□□ □NT□A□T□□ T□ N□T□FY N□W Y□□□ □TY□□N□□S AN□□N□□A□□□NT□□□, 36-35 □□□□ □□□□□A□□□, S□□T□ 202, □AYS□□□, NY 11361, T□□ 800.272.4480, FA□ 718.631.6723, □MA□ □S□□□□TT□□1□A□□□□M, N A□□□T□N T□ A□□ □N□□□□□□□N□ FA□□TY □P□□AT□□S N T□□A□□A W□□ A□□□N□T□N□□A□□M□M□□S, N□T □□SS T□AN TW□ (2) F□□□ □□S N□SS □AYS AN□ N□T M□□□T□AN T□N (10) F□□□□S N□SS □AYS □□F□□□ □MM□N□N□ □□□A□AT□N. T□□ □□NT□A□T□□ W□□ □□□□□□ A N□T□F□AT□N T□□□T F□□M T□□ □N□□A□ □NT□□ W□□□ S□□□□□ □□ P□□S□NT□□ T□ T□□ □S□S□NT □N□N□□□ AS P□□□F □F T□□ □A□□.

6. T□□ □□NT□A□T□□ S□A□□ □□ S□□□Y □F SP□NS□□□ F□□ MA□NTA□N□N□T□□S S□□□□□TY □F T□□ P□□□□T S□T□ □□□N□A□W□□□N□ AN□ N□N-W□□□N□ □□□□S, S□□□N□AYS A W□□□.

7. T□□ □□NT□A□T□□ S □□SP□NS□□□ F□□ □NS□□N□ A□W□□□ □NF□□MS W.T□ A□□F□□□□A□, STAT□, □□□NTY □□ □□□A□□□□S□A□N□□□S□□T□N □□□□S □□□W□□□.

8. T□□ □□NT□A□T□□ S□A□□ □□MP□Y W□T□ A□□ APP□□A□□□ □S□A □□□□□AT□NS AN□ SAF□TY P□□□□□□S T□ □NS□□□ P□□S□NN□□ □A□T□ AN□ SAF□TY. T□□ □NT□A□T□□ M□ST MA□NTA□N A SAF□ AN□ □□□AN W□□□N□ □N□□□NM□NT AN□ S□A□□ □NS□□□ P□□P□□□ P□□S□NA□ P□□T□□T□□□ □□□PM□NT S□W□□N AT A□□T M□S□N A□□ AS W□□□□ P□□□ST□AN AN□□□□ □□□□□A□T□AFF□S MAY □□AFF□□T□□□Y T□□W□□□, T□□ □NT□A□T□□ S□A□□□□□□□N□FF T□□W□□□ A□□A.

9. P□□□ T□ □□MM□N□N□ W□□□, T□□ □□NT□A□T□□ S□A□□ □S T□□ S T□ AN□ S□A□□ N□T□FY T□□ □WN□□S □□P□□S NTAT□□□ □F ANY □T□□T□S, ST□□□T□□S □□□ ANY □T□□□ □□□M□NTS W□□□ MAY □MP□□□ W□□□□, □T□□TY AN□ A□□□ST□□T□□□ □□□□□□□AT□NS, F N□□□SSA□Y, S□A□□ □□ □□□□□□NAT□□ T□□□□□□□ T□□□ W□N□□S □P□□S NTAT□□□ AT N□□A□T□□NA□□□ST.

10. □T S T□□ □□NT□A□T□□S □□SP□NS□□□TY T□ □□□FY, □□□□□NAT□ AN□ STA□□ □□ S□□□□N□□ □S W□□□ W□T□ ANY □T□□□ P□ANN□□ □□ □N□□N□ □□NST□□□T□N A□T□T□S AT T□□ ST□.

11. T□□ □□NT□A□T□□ S□A□□ □□□□□NAT□ ANY STA□□ W□□□, □AY □□WN, AN□ ST□□A□□ A□□A □□AT□□NS AN□ A□□SS W.T□ □WN□□, P□□□ T□ STA□T□F W□□□.

12. □□NT□A□T□□ T□ N□T□ □□NST□□□T□N A□T□T□S MAY □A□□ □□MM□N□□□ S N□□S S□□□Y SS□AN□□ AN□ AS S□□□ T□□ ST□□□N□T□NS S□□WN □□□□□N □□ N□T N□□SSA□Y □F □□T T□□S □W□□□ W□□□ □F□□N□□NST□ AT T□□ STA□T□F □□NST□□□T□N.

DEMOLITION NOTES:

1. T□□ □□NT□A□T□□ S□A□□ □□□□S□ □□T□□M□ □A□□ T□ P□□□□NT □AMA□□ T□ □□ST.N□ A□□A□□NT ST□□□T□□S □Y □□ AS A □S□T□F□S □P□A□□□NS. ANY □AMA□□ □□S□□T□N□ F□□M T□□ □NT□A□T□□S □P□□AT□NS S□A□□ □□ □PA□□□ AS □□□□T□□ □Y T□□ □WN□□S □P□□S NTAT□□ AT N□ A□□T□NA□□□ST.

2. □□NST□□□T□N □P□□AT□NS S□A□□ □□ □NF□N□□ T□ T□□ A□□A□F W□□□ S□□WN AN□ S□A□□N□T □□□AT□ □ST□T, □□ST□□□T□NS □□ □T□□□ S□□□ N□□N□N□□S T□ A□A□□NT □□S□□N□□S AN□ P□□P□□T□S.

3. A□□ □□□□S N T□□ MM□□AT□ □□N□TY □F T□□ W□□□ S□A□□ □□ □□□□□□□□□ AN□ P□□P□□Y □SP□S□□ □F □Y T□□ □NT□A□T□□ N A□□□□□AN□□ W.T□ A□□APP□□A□□□ □AWS AT N□ A□□T□NA□ □□ST T□□ □WN□□.

4. □F □□□□□□□□□, T□□ □□NT□A□T□□ S□A□□ □□□□□ST W□T□N APP□□A□ F□□M T□□ □WN□□S □P□S NTAT□□ F□□ T□MP□□A□Y S□T□□WN □F □T□T□S, A M N M□M□F T□□□□ W□□□N□ □AYS N A□□AN□□.

5. □□NT□A□T□□ S□A□□ □TA N AN□ MA□□ PAYM□NT F□□ T□MP□□A□Y □T□T□S AN□ □T□□□ S□□□□S N□□SSA□Y F□□ P□□P□□T□N □F □A□T□N W□□□.

6. T□□ □□NT□A□T□□ S□A□□ □M□□□ AN□ □□□A□Y □SP□S□ □F A□□□M□T□N □□□S S N□□□ T□S □□NT□A□T, N□□□N□ □T N□T □M□T□T□S S□□WA□□, □□□□, PA□M□NT□ ST□F□N□S N□S.

7. □□NT□A□T□□ S□A□□ □□ □□NS □□ AN□ NS□□□□ F□□ □A□□TY P□□P□□TY □AMA□□ AS □□□□□□□ □Y □AW.

8. □F□□ T□ M□□□AN□A□, □□□T□S A□, P□M□N□, ST□□□T□A□, A□□□T□□T□A□ AN□ □T□□□ □NS□TANT □M□M□T□N □AWN S F□□A□□□M□T□N □□AT□□T□, AN□ W.T□N ST□□T□□S.

9. □□AT□N □F A □□T□□T□S S S□WN S□A□□ □□ □NS□□□□□ APP□□□MAT□, □□NT□A□T□□ T□ □□□FY N F□□□ P□□□T□ T□ □□NST□□□T□N.

10. A□□T□NA□□ □N□□□□□□N□ N□T□□T□S N□T S□□WN □N P□AN MAY □□ST. □□NT□A□T□□ T□ N□T□FY □WN□□ AN□ □N□N□□□ MM□□AT□□Y □F A□□□N□N□WN T□□T□S.

11. S□□□ □□S□N AN□ S□□M□NT □□NT□□□ M□AS□□S A□□T□ □□ N P□A□□ P□□□ T□ □M□M□N□□M□NT □F □M□T□□N W□□□.

12. □MTS □F □M□T□□NS A□□ APP□□□MAT□, A□□T□NA□ □M□T□N AN□ □M□A□S MAY □□ □□□□□□□ T□ □MP□T□T□S □NT□A□T AS □T□M□N□ AT STA□T □F W□□□.

LEGEND

- □□ST.N□ □□□□N□ T□ □□MA□N
- □□□□N□ T□ □□ □M□□S□□□
- ASP□A□T T□ □□ □M□□□□
- □□N□□□T□ T□ □□ □M□□□□
- □AWN A□□A T□ □□ □ST□□□□□
- □□□□T T□ □□ □M□□□□
- T□□□ T□ □□ □M□□□□

ARCHITECT

McGuire Group Architects, P.C.
Healthcare Architecture
538 BROADHOLLOW ROAD, SUITE 201
MELVILLE, NY 11747
631 465 9700, FAX 631 465 9701

MEP ENGINEER

WSP
512 Seventh Avenue
New York, NY 10018
(212) 532-9600
www.wspgroup.com/usa

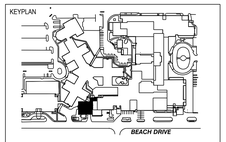
STRUCTURAL ENGINEER

TDM CONSULTING ENGINEER,PC
550 NORTH COUNTRY ROAD
SUITE E, ST. JAMES, NY 11780
TEL. (631) 686-5234, FAX (631) 590-1927

CIVIL ENGINEER

LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com
NEW JERSEY NEW YORK CONNECTICUT PENNSYLVANIA OHIO
VIRGINIA WASHINGTON DC FLORIDA NORTH DAKOTA CALIFORNIA
ABU DHABI ATHENS DOHA DUBAI ISTANBUL
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan International LLC
Collectively known as Langan

KEYPLAN



SEAL

REVISIONS	DATE	DESCRIPTION

□□□ 31, 2014
85□ □□
P□□□□□SS F□□
□□□□W
N□T F□□
□□NST□□□T□N

ISSUE	DATE	DESCRIPTION
2	12.31.14	85% CONSTRUCTION DOCUMENTS
1	07.30.14	100% DESIGN DEVELOPMENT

OWNER

GOOD SAMARITAN
□□SP□TA□ M□□□A□ □□NT□□
1000 M□NTA□ □□□WAY
W□ST □S□P, NY 11795

PROJECT

ESSENTIAL ELECTRICAL SYSTEM UPGRADES

DRAWING NUMBER

□M-001

DRAWING NAME

S□T□ □□M□□A□S P□AN

DRAWING SCALE: 1" □ 10□

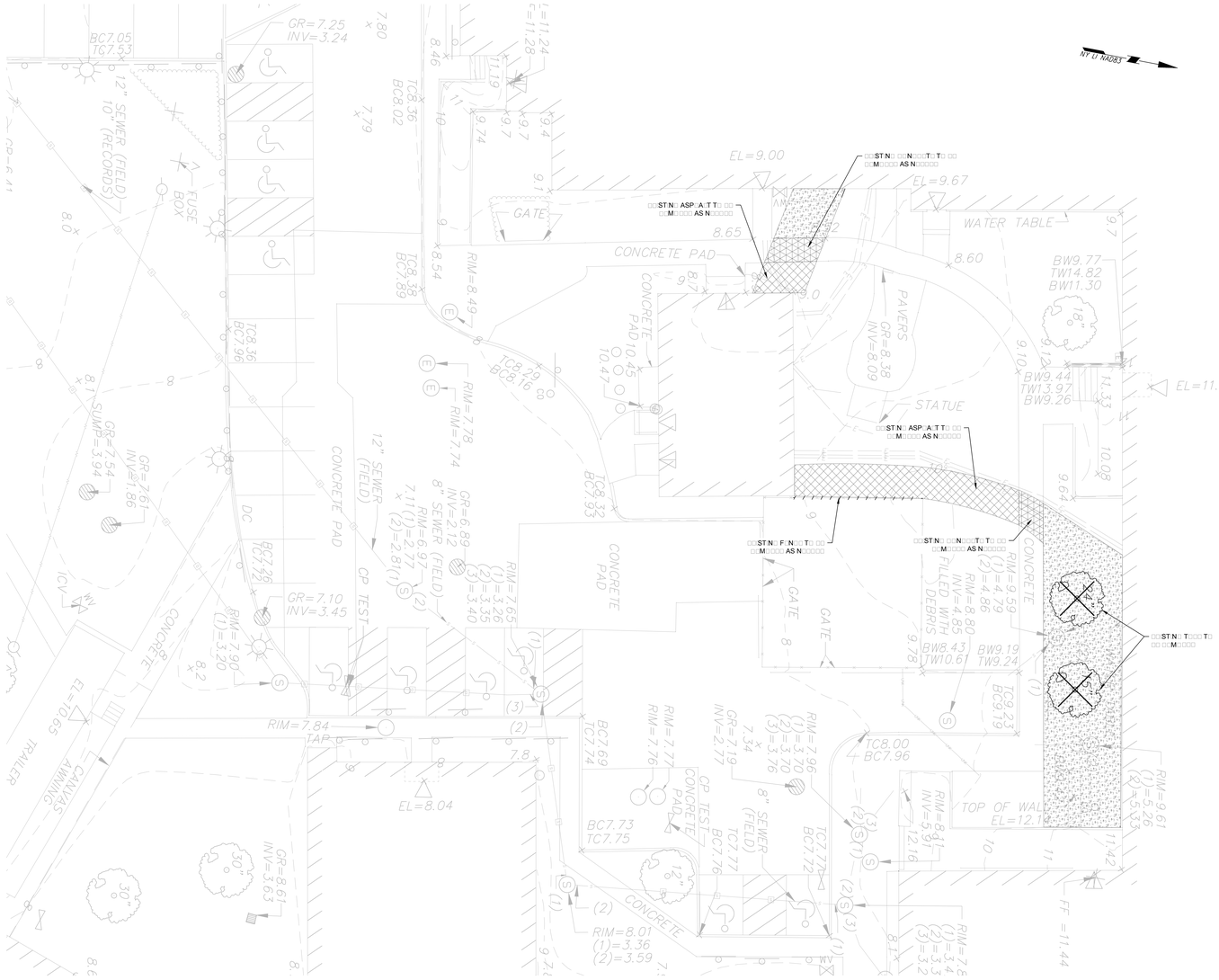
DRAWING FILE

BINDING ORDER

FIRST ISSUE DATE

10 0 2 4 10
S□A□□N F□□T

Filename: □langan.com:data NY data4 170270401□add□ata - 170270401 SheetFiles□M-001 - S□T□□M□P□AN.dwg □ate: 12/30/2014 Time: 12:03 □ser: □drhuss St□le Ta□le: □angan.st□ □a out: □M-001



LOCATION 'B' DEMO PLAN

S□A□□ 1" □10□

GENERAL SITE NOTES:

1. □□ST□N□ □□□N□T□NS AN□ T□P□□□AP□□ □NF□□MAT□□N AS S□□WN □N T□□S □□□□M□NT A□□ □AS□□ □N T□□ T□P□□□AP□□ AN□ □T□□Y S□□□□Y P□□PA□□□□Y □AN□AN □N□□□□N□, □N□□□NM□NTA□, S□□□□Y N□, AN□ □AN□S□AP□ A□□□□T□□□□, □P□□, □AT□ 06/10/2014, A□ST □□□□S□□ 10/24/2014.
2. □□□AT□□NS S□□WN A□□ □□F□□□N□□□ T□ N□□T□ AM□□□AN □□□T□A□□ AT□M □F 1988 (NA□□88) □AS□□ □P□N N□S □□N□□MA□□ M□N□M□NTS □374, □330, □□□□□□□□□□ □N 04/28/14, N□□□□□ □□N□T□□N.
3. T□□M□□□□AN □F T□□S S□□□□Y S□□F□□□N□□□ T□ □□□□ N□□T□ NY □NA□83.
4. □□□AT□NS □F□□ST□N□ □T□□T□□S S□A□□□□ □□NS□□□□□ APP□□□MAT□□ □□NT□A□T□□ S□A□□F□□□ □□□FY □□ST□N□ □T□□T□S P□□□□ T□□N□W □T□□Y □NSTA□AT□NS. □□NT□A□T□□ T□ MM□□AT□Y N□TFY □WN□□ AN□□ N□N□□□ □N W□T□N□□F ANY □S□□□PAN□□S.
5. □T□S MAN□AT□□Y, AS P□□ NYS □N□□ST□□A□ □□□□ □□□□ 53, F□□□ T□□ □□NT□A□T□□ T□ N□T□FY N□W Y□□□ □TY□□N□ S□AN□ □N□□A□□ □□NT□□, 36-35 □□□□ □□T□□□A□□, S□T□ 202, □AYS□□, NY 11361, T□□ 800.272.4480, FA□ 718.631.6723, □MA□ □S□□□□TT□T□A□□□□M, □N A□□T□□N T□□ A□□ □N□□□□□□N□ FA□□TY □P□□AT□□S □N T□□□ A□□A W□□ A□□S N□T □N□□A□□ M□M□□□S, N□T□ □□SS T□AN TW□ (2) F□□□ □□S□N□SS □AYS AN□ N□T M□□□ T□AN T□N (10) F□□□ □□S□N□SS □AYS □□F□□□ □□MM□N□N□ □□□A□AT□N. T□□ □□NT□A□T□□ W□□ □□□□□□ A N□TF□AT□N T□□□T F□□M T□□ □N□□A□□ □NT□□ W□□□□ S□□□□□ □□ P□□S□NT□□ T□ T□□ □S□□NT□N□N□□□ AS P□□□F□FT□□ □A□□.
6. T□□□□NT□A□T□□ S□A□□□□ S□□□Y □□SP□NS□□□ F□□ MA NTA N N□□ T□□S S□□□□TY □F T□□ P□□□□T S T□ □□□N□ A□□W□□□N□ AN□ N□N W□□□□N□ □□□□S, S□□□N □AYS A W□□□.
7. T□□□□NT□A□T□□ S□□SP□NS□□□ F□□ □NS□□□N□ A□□W□□□ □□NF□□MS WT□ A□□F□□□□A□, STAT□, □□NTY □□ □□A□□□□S □A□N□□□S□□T□N □□□□S□□W□□□.
8. T□□□□NT□A□T□□ S□A□□ □□MP□Y W□T□ A□□ APP□□A□□□ □S□A □□□□□AT□NS AN□ SAF□TY P□□□□□□□S T□ □NS□□□ P□□S□NN□□□A□T□ AN□ SAF□TY. T□□ □□NT□A□T□□ M□ST MAINTAIN A SAF□AN□ □□AN W□□□N□□N□□N□NM□NT AN□S□A□□ □NS□□□ P□□P□□ P□□S□NA□P□□T□□□□ □□□PM□NT S W□□N AT A□□T□M□S. N A□□AS W□□□□ P□□□ST□AN AN□/□□ □□□□□□A□ T□AFF□□MAY □□AFF□□T□□Y T□□W□□□, T□□ □NT□A□T□□ S□A□□□□□□□N□FFT T□□W□□□A□□A.
9. P□□□□ T□□MM□N□N□ W□□□□, T□□ □NT□A□T□□ S□A□□□S□T T□□ □ST□AN□ S□A□□N□TFY T□□□WN□□S □□P□□S□NTAT□□□ □F ANY □T□□T□S, ST□□T□□□S □□ ANY □T□□□□□□M□NTS W□□□□MAY MP□□□W□□□□, T□□TY AN□/□□ST□□□T□□□□ □□□□AT□NS, F N□□SSA□Y, S A□□□□□□□NAT□□ T□□□□□□T□□WN□S□□P□□S□NTAT□□AT N□A□T□□NA□□ST.
10. T□S T□□ □□NT□A□T□□S□□SP□NS□□□TY T□ □□□FY, □□□□□□NAT□ AN□ STA□□ □□ S□□□□N□□ □S W□□□ WT□ ANY □T□□□ P□ANN□□ □□□N□□N□□NST□□T□N A□T□□T□S AT T□□ ST□.
11. T□□ □□NT□A□T□□ S□A□□ □□□□□NAT□ ANY STA□□ W□□□, □AY □WN, AN□ ST□□A□□ A□□A □□□AT□NS AN□ A□□SS W□T□ □WN□□, P□□□ T□ STA□T□F W□□□.
12. □NT□A□T□□ T□ N□T□ □NST□□T□□N A□T□□T□S MAY □A□□ □MM□N□□□ S N□□ S□□□Y SS□AN□□ AN□ AS S□□□ T□□S T□ □N□T□NS S□□WN □□□□N □□ N□T N□□SSA□Y □F□□□T T□□S□ W□□□ W□□ □□ F□□N□ □NST□ AT T□□ STA□T □F □NST□□□T□N.

DEMOLITION NOTES:

1. T□□ □NT□A□T□□ S□A□□ □□□□□S□ □□T□□M□ □A□□ T□ P□□□NT □AMA□□□ T□ □□ST□N□ A□□A□□NT ST□□□T□□□S □Y □□ AS A □□S□T □F□□S □P□□AT□NS, ANY □AMA□□ □□S□□T□N□ F□□M T□□ □□NT□A□T□□S□□P□□AT□NS S□A□□ □□ □PA□□□ AS □□□□□T□□ □Y T□□□WN□□S □□P□□S□NTAT□□ AT N□A□□T□NA□□□ST.
2. □NST□□□T□N □P□□AT□NS S□A□□ □□ □NF□N□□ T□ T□□ A□□A □F W□□□ S□□WN AN□ S□A□□ N□T □□AT□ □□ST, □□T, □ST□□□T□NS □□ □T□□□S S□□□N □□N□N□N□S T□ A□□A□NT □□S□N□S AN□ P□□P□T□S.
3. A□□ □□□□S N T□□ MM□□AT□□□NTY □F T□□W□□□S S□A□□ □□□□□□□□□ AN□P□□P□Y □SP□S□□ □F □Y T□□ □NT□A□T□□ □N A□□□□AN□□ W T□A□□APP□□A□□□ AWS AT N□A□□T□NA□□□ ST T□□T□□ □WN□□.
4. □F □□□□□T□□□, T□□ □NT□A□T□□ S□A□□ □□□□□ST W□TT□N APP□□A□F□M T□□ □WN□S □□P□□S□NTAT□□ F□□ T□MP□□A□Y S□□T□□WN □F□T□□T□S, A M N M□M□F T□□□□ W□□□N□ □AYS N A□□AN□.
5. □NT□A□T□□ S□A□□ □TA□N AN□ MA□□ PAYM□NT F□□ T□MP□□A□Y □T□T□S AN□ □T□□□ S□□□□S N□□SSA□Y F□□ P□□P□□ □□□□T□□N □F□M□□T□N W□□□.
6. T□□ □NT□A□T□□ S□A□□ □M□□□ AN□ □□A□Y □SP□S□□F A□□□M□□T□N □□□□S N□□□ T□S □□NT□A□T, N□□□N□ □□T N□T□M T□S S□WA□, □□□S, PA□M□NT □ST□F□N S□N□S.
7. □NT□A□T□□ S□A□□□□NS□□ AN□ □NS□□□□ F□□ □A□□TY P□□P□□TY □AMA□□ AS □□□□□□□ □Y □AW.
8. □F□□ T□ M□□□AN□A□, □□□T□□A□, P□M□N□, ST□□□T□A□, A□□□T□□T□□A□ AN□ □T□□□ □□NS□TANT □□M□□T□N □AW N□S F□□ A□□□M□□T□N □□AT□□ T□, AN□ W T□ ST□□□T□S.
9. □□□AT□N □F A□□ □T□T□S S□WN S□A□□ □□ □NS□□□□□ APP□□MAT□. □NT□A□T□□ T□ □□□FY □N F□□□ P□□□ T□ □NST□□□T□N.
10. A□□T□NA□ □N□□□□□□N□ □T□T□S N□T S□WN □N P□AN MAY □□ST. □NT□A□T□□ T□ N□TFY □WN□□ AN□ □N□N□□ MM□□AT□Y □F A□□N□N□WN □T□T□S.
11. S□□□□□S□N AN□S S□M□NT □NT□□M□AS□S A□□T□ □□ N P□A□ P□□□T□ □□M□NT□N□M□NT □F□M□□T□N W□□□.
12. □MTS □F □M□□T□NS A□□ APP□□□MAT□. A□□T□NA□ □M□□T□N AN□ □M□□A□S MAY □□ □□□□□□ T□ □□MP□□T□ T□S □NT□A□T AS □□T□□MN□□ AT STA□T □F W□□□.

LEGEND

- □□ST□N□ □□□□N□ T□ □□MA□N
- □□□□N□ T□ □□ □□M□□S□□□
- ASP□A□T T□ □□ □□M□□□□
- □□N□□□T□T□ □□ □□M□□□□
- □AWN A□□A T□ □□ □ST□□□□□
- □□□□T T□ □□ □□M□□□□
- T□□□T□ □□ □□M□□□□

S□A□□ N F□□T

ARCHITECT

McGuire Group Architects, P.C.
Healthcare Architecture
538 BROADHOLLOW ROAD, SUITE 201
MELVILLE, NY 11747
631 465 9700, FAX 631 465 9701

MEP ENGINEER

WSP
512 Seventh Avenue
New York, NY 10018
(212) 532-9600
www.wspgroup.com/usa

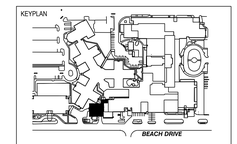
STRUCTURAL ENGINEER

TDM CONSULTING ENGINEER,PC
550 NORTH COUNTRY ROAD
SUITE E, ST. JAMES, NY 11780
TEL. (631) 686-5234, FAX (631) 590-1927

CIVIL ENGINEER

LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com
NEW JERSEY NEW YORK CONNECTICUT PENNSYLVANIA OHIO
VIRGINIA WASHINGTON DC FLORIDA NORTH DAKOTA CALIFORNIA
ABU DHABI ATHENS DOHA DUBAI ISTANBUL
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan International LLC
Collectively known as Langan

KEYPLAN



SEAL

REVISIONS	DATE	DESCRIPTION

□□□ 31, 2014
85□ □□
P□□□□□□SS F□□
□□□□□W
N□T F□□
□□NST□□□T□N

ISSUE	DATE	DESCRIPTION
2	12.31.14	85% CONSTRUCTION DOCUMENTS
1	07.30.14	100% DESIGN DEVELOPMENT

OWNER

GOOD SAMARITAN
□□SP□TA□ M□□□A□ □□NT□□
1000 M□NTA□□ □□□WAY
W□ST S□P, NY 11795

PROJECT

ESSENTIAL ELECTRICAL SYSTEM UPGRADES

DRAWING NUMBER

□M-002

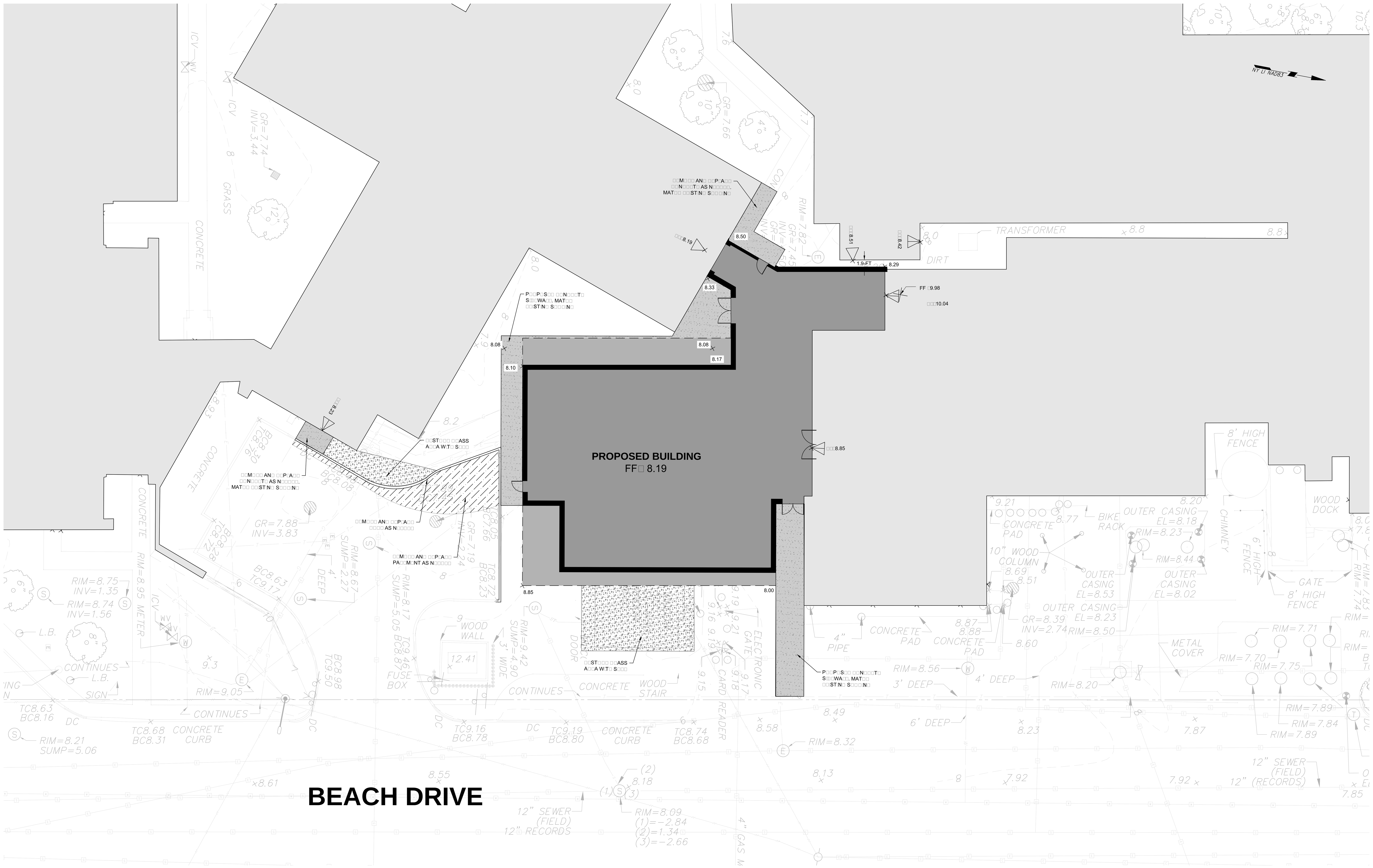
DRAWING NAME

S□T□ □□M□ □A□S P□AN

DRAWING SCALE	DRAWING FILE
1" □ 10□	
BINDING ORDER	FIRST ISSUE DATE

10 0 2 4 10
S□A□□ N F□□T

File name: □langan.com data NY data 4 170270401□ add□ata - 170270401 Sheet Files□M-001 - S□T□□□M□ P□AN.dwg Date: 12/30/2014 Time: 12:04 User: □ol hus□ Stl te Ta□le: □angan.stl □ la out: □M-002



LOCATION 'A' SITE PLAN

S□A□□: 1" □10□

GENERAL SITE NOTES:

1. □□ST□N□ □□N□□T□□NS AN□ T□P□□□AP□□□ □NF□□MAT□□N AS S□□WN □N T□□S □□□□M□NT A□□ □AS□□ □N T□□ T□P□□□AP□□□ AN□ □T□□TY S□□□□Y P□□PA□□□ □Y □AN□AN □N□□N□□□□N□, □N□□□□NM□NTA□, S□□□□Y□N□, AN□ □AN□S□AP□ A□□□□T□□T□□□, □.P.□., □AT□□ 06/10/2014, □AST □□□□S□□ 10/24/2014.
2. □□□□AT□□NS S□□WN A□□ □□F□□□N□□□ T□ N□□T□ AM□□□□AN □□□T□A□ □AT□M □F 1988 (NA□□88) □AS□□ □P□N N□S □□N□□□MA□□ M□N□M□NTS □374, □330, □□□□□□□□□ □N 04/28/14, □N □□□□ □□N□□T□□N.
3. T□□ M□□□□□AN □F T□□S S□□□□Y □S □□F□□□N□□□ T□ □□□□ N□□T□ NY □□NA□83.
4. □□□AT□□NS □F □□□ST□N□ □T□□T□□S S□A□□ □□ □□NS□□□□□□ APP□□□□MAT□. □□NT□A□T□□ S□A□□ F□□□□ □□□□FY □□□ST□N□ □T□□T□□S P□□□□ T□ N□W □T□□TY □NSTA□□AT□□NS. □□NT□A□T□□ T□ □MM□□□AT□□Y N□T□FY □WN□□ AN□ □N□□N□□□ □N W□□T□N□ □F ANY □□S□□□PAN□□□S.
5. □T □S MAN□AT□□Y, AS P□□ NYS □N□□ST□□A□ □□□□ □□□□ 53, F□□ T□□ □□NT□A□T□□ T□ N□T□FY N□W Y□□□ □□TY/□□N□ □S□AN□ □N□-□A□□ □□NT□□, 36-35 □□□□ □□□□□□□A□□, S□□T□ 202, □AYS□□□, NY 11361, T□□ 800.272.4480, FA□ 718.631.6723, □MA□□ □S□□□□□TT□ 1-□A□□.□□M, □N A□□□T□□N T□ A□□ □N□□□□□□□□N□ FA□□□□TY □P□□AT□□S □N T□□ A□□A W□□ A□□ N□T □N□-□A□□ M□M□□□S, N□T □□SS T□AN TW□ (2) F□□□ □□S□N□SS □AYS AN□ N□T M□□□ T□AN T□N (10) F□□□ □□S□N□SS □AYS □□F□□□ □□MM□N□□N□ □□□A□AT□□N. T□□ □□NT□A□T□□ W□□□ □□□□□□□ A N□T□F□□AT□□N T□□□□T F□□M T□□ □N□-□A□□ □NT□□ W□□□□ S□□□□□ □□ P□□S□NT□□ T□ T□□ □□S□□□NT □N□□N□□□ AS P□□□F □F T□□ □A□□.
6. T□□ □□NT□A□T□□ S□A□□ □□ S□□□Y □□SP□NS□□□□ F□□ MA□NTA□N□N□ T□□ S□□□□□TY □F T□□ P□□□□□T S□T□ □□□□N□ A□□ W□□□□N□ AN□ N□N-W□□□□N□ □□□□□S, S□□□N □AYS A W□□□.
7. T□□ □□NT□A□T□□ □S □□SP□NS□□□□ F□□ □NS□□□N□ A□□ W□□□ □□NF□□MS W□T□ A□□ F□□□□A□, STAT□, □□□NTY □□ □□□A□ □□□□□S □A□□N□ □□□□S□□□T□□N □□□□ S□□□ W□□□.
8. T□□ □□NT□A□T□□ S□A□□ □□MP□Y W□T□ A□□ APP□□□A□□□ □S□A □□□□□□AT□□NS AN□ SAF□TY P□□□□□□□□□S T□ □NS□□□ P□□S□NN□□ □□□A□T□ AN□ SAF□TY. T□□ □□NT□A□T□□ M□ST MA□NTA□N A SAF□ AN□ □□□AN W□□□□N□ □N□□□□NM□NT AN□ S□A□□ □NS□□□ P□□P□□ P□□S□NA□ P□□T□□T□□□ □□□□PM□NT □S W□□N AT A□□ T□M□S. □N A□□AS W□□□□ P□□□ST□□AN AN□/□□ □□□□□□□□A□ T□AFF□□ MAY □□ AFF□□T□□ □Y T□□ W□□□, T□□ □□NT□A□T□□ S□A□□ □□□□□□N □FF T□□ W□□□ A□□A.
9. P□□□□ T□ □□MM□N□□N□ W□□□, T□□ □□NT□A□T□□ S□A□□ □□S□T T□□ S□T□ AN□ S□A□□ N□T□FY T□□ □WN□□□S □□P□□S□NTAT□□□ □F ANY □T□□□T□□S, ST□□□T□□□S □□ ANY □T□□□ □□□M□NTS W□□□□ MAY □MP□□□ W□□□. □T□□□TY AN□/□□ ST□□□T□□□ □□□□□AT□□NS, □F N□□□SSA□Y, S□A□□ □□ □□□□□□NAT□□ T□□□□□□ T□□ □WN□□□S □□P□□S□NTAT□□□ AT N□ A□□□T□□NA□ □□ST.
10. □T □S T□□ □□NT□A□T□□S □□SP□NS□□□□TY T□ □□□□FY, □□□□□□NAT□ AN□ STA□□ □□ S□□□□N□□ □□S W□□□ W□T□ ANY □T□□□ P□ANN□□ □□ □N□□□N□ □□NST□□□T□□N A□T□□□T□□S AT T□□ S□T□.
11. T□□ □□NT□A□T□□ S□A□□ □□□□□□NAT□ ANY STA□□ W□□□, □AY □□WN, AN□ ST□□A□□ A□□A □□□AT□□NS AN□ A□□□SS W□T□ □WN□□, P□□□□ T□ STA□T □F W□□□.
12. □□NT□A□T□□ T□ N□T□ □□NST□□□T□□N A□T□□□T□□S MAY □A□□ □□MM□N□□□ S□N□□ S□□□□Y □SS□AN□□ AN□ AS S□□□ T□□ S□T□ □□N□□T□□NS S□□WN □□□□□N □□ N□T N□□□SSA□□□Y □□F□□□T T□□S□ W□□□□ W□□□ □□ F□□N□ □NS□T□ AT T□□ STA□T □F □□NST□□□T□□N.

LEGEND

- □□ST□N□ □□□□□□N□
- P□□P□S□□ □□□□□□N□
- P□□P□S□□ □NT□□NA□ □MP□□□□M□NTS (N□ S□T□W□□□)
- P□□P□S□□ PA□□M□NT
- P□□P□S□□ 4" □□N□□□T□ S□□□WA□□
- □□ST□□□ □□ASS A□□A

ARCHITECT

McGuire Group Architects, P.C.
Healthcare Architecture
538 BROADHOLLOW ROAD, SUITE 201
MELVILLE, NY 11747
631 465 9700, FAX 631 465 9701

MEP ENGINEER

WSP
512 Seventh Avenue
New York, NY 10018
(212) 532-9600
www.wspgroup.com/usa

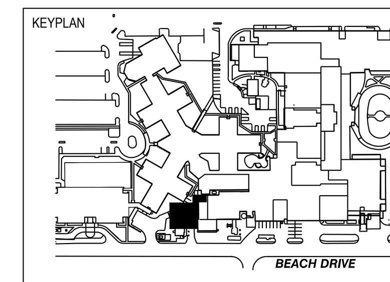
STRUCTURAL ENGINEER

TDM CONSULTING ENGINEER,PC
550 NORTH COUNTRY ROAD
SUITE E, ST. JAMES, NY 11780
TEL. (631) 686-5234, FAX (631) 590-1927

CIVIL ENGINEER

LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com
NEW JERSEY NEW YORK CONNECTICUT PENNSYLVANIA OHIO
VIRGINIA WASHINGTON DC FLORIDA NORTH DAKOTA CALIFORNIA
ABU DHABI ATHENS DOHA DUBAI ISTANBUL
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan International LLC
Collectively known as Langan

KEYPLAN



SEAL

□□□ 31, 2014
85□ □□
P□□□□□SS F□□
□□□□W
N□T F□□
□□NST□□□T□N

REVISIONS	DATE	DESCRIPTION
2	12.31.14	85% CONSTRUCTION DOCUMENTS
1	07.30.14	100% DESIGN DEVELOPMENT
ISSUE	DATE	DESCRIPTION

OWNER

GOOD SAMARITAN
□□SP□TA□ M□□□□A□ □□NT□□
1000 M□NTA□□ □□□WAY
W□ST □S□P, NY 11795

PROJECT

ESSENTIAL ELECTRICAL SYSTEM UPGRADES

DRAWING NUMBER

□-201

DRAWING NAME

S□T□ P□AN

DRAWING SCALE: 1"□10□

DRAWING FILE

BINDING ORDER

FIRST ISSUE DATE

S□A□□ □N F□□T

F□lename: □langan.com□data□NY□data4□170270401□□add □ata - 170270401□SheetF□les□□-201 - S□T□ P□AN.dwg □ate: 12/30/2014 T□me: 11:15 □ser: □ol□nusz St□le Ta□le: □angan.st□ □a□out: □-201.00

ARCHITECT

McGuire Group Architects, P.C.
Healthcare Architecture
538 BROADHOLLOW ROAD, SUITE 201
MELVILLE, NY 11747
631 465 9700, FAX 631 465 9701

MEP ENGINEER

WSP
512 Seventh Avenue
New York, NY 10018
(212) 532-9600
www.wspgroup.com/usa

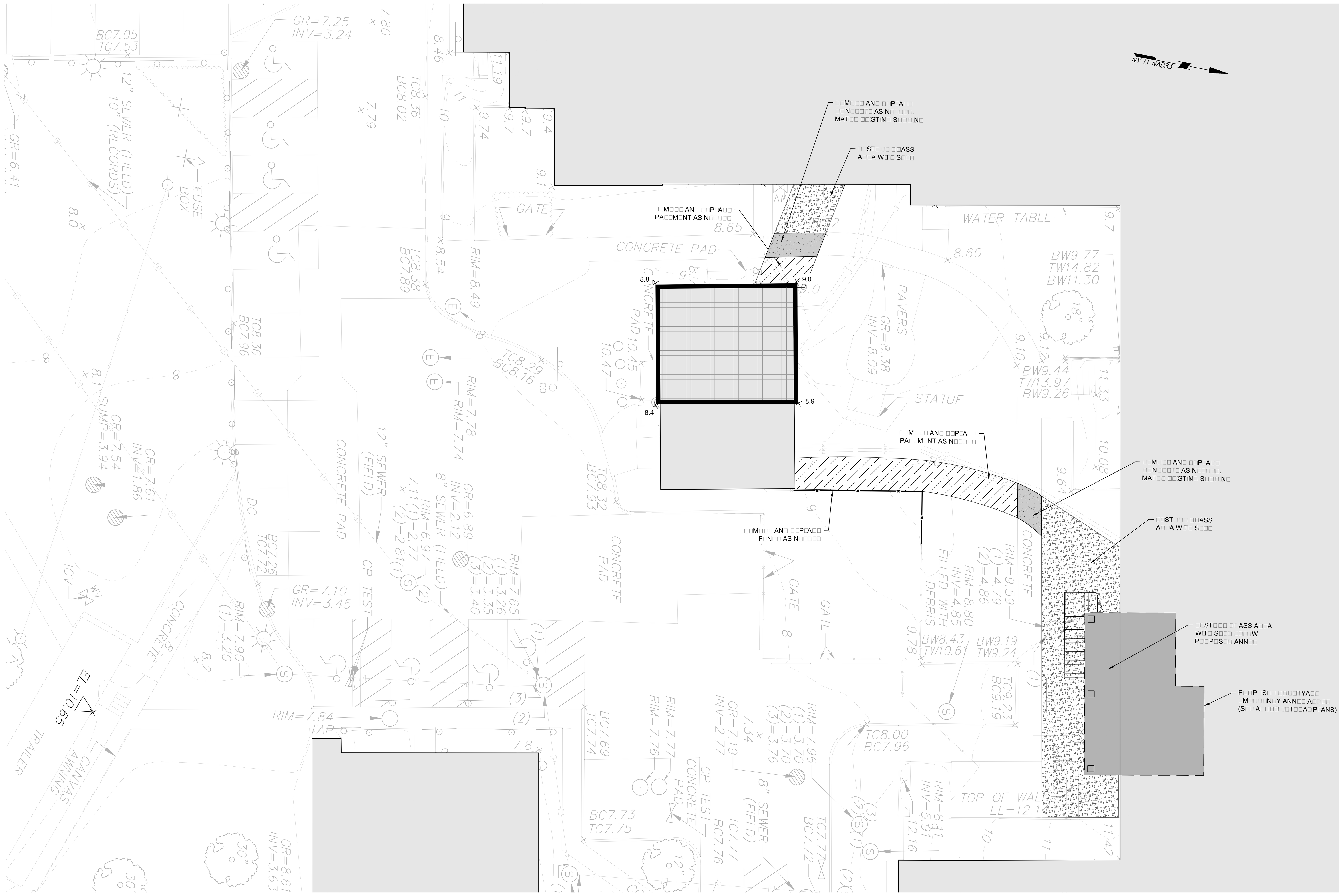
STRUCTURAL ENGINEER

TDM CONSULTING ENGINEER,PC
550 NORTH COUNTRY ROAD
SUITE E, ST. JAMES, NY 11780
TEL. (631) 686-5234, FAX (631) 590-1927

CIVIL ENGINEER

LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com
NEW JERSEY NEW YORK CONNECTICUT PENNSYLVANIA OHIO
VIRGINIA WASHINGTON DC FLORIDA NORTH DAKOTA CALIFORNIA
ABU DHABI ATHENS DOHA DUBAI ISTANBUL

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan International LLC
Collectively known as Langan



LOCATION 'B' SITE PLAN
S□A□□: 1" □ 10□

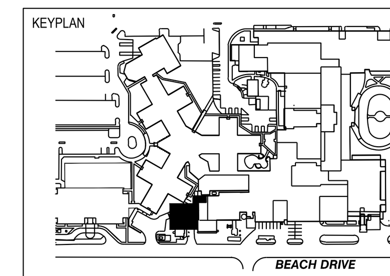
GENERAL SITE NOTES:

1. □□□ST□N□ □□N□□T□□NS AN□ T□P□□□AP□□□ □NF□□MAT□□N AS S□□WN □N T□□S □□□□M□NT A□□ □AS□□ □N T□□ T□P□□□AP□□□ AN□ □T□□TY S□□□□Y P□□PA□□□ □Y □AN□AN □N□□N□□□□N□, □N□□□□NM□NTA□, S□□□□Y□N□, AN□ □AN□S□AP□ A□□□□T□□T□□□, □.P.□., □AT□□ 06/10/2014, □AST □□□□S□□ 10/24/2014.
2. □□□□AT□□NS S□□WN A□□ □□F□□□N□□□ T□ N□□T□ AM□□□□AN □□□T□A□ □AT□M □F 1988 (NA□□88) □AS□□ □P□N N□S □□□N□□MA□□ M□N□M□NTS □374, □330, □□□□□□□□□ □N 04/28/14, □N □□□□ □□N□□T□□N.
3. T□□ M□□□□□AN □F T□□S S□□□□Y □S □□F□□□N□□□ T□ □□□□ N□□T□ NY □□NA□83.
4. □□□AT□□NS □F □□□ST□N□ □T□□T□□S S□A□□ □□ □□NS□□□□□□ APP□□□□MAT□. □□NT□A□T□□ S□A□□ F□□□□ □□□□FY □□□ST□N□ □T□□T□□S P□□□□ T□ N□W □T□□TY □NSTA□□AT□□NS. □□NT□A□T□□ T□ □MM□□□AT□□Y N□T□FY □WN□□ AN□ □N□□N□□□ □N W□□T□N□ □F ANY □□S□□□PAN□□□S.
5. □T □S MAN□AT□□Y, AS P□□ NYS □N□□ST□□A□ □□□□ □□□□ 53, F□□ T□□ □□NT□A□T□□ T□ N□T□FY N□W Y□□□ □□TY/□□N□ □S□AN□ □N□-□A□□ □□NT□□, 36-35 □□□□ □□□□□□□A□□, S□□T□ 202, □AYS□□□, NY 11361, T□□ 800.272.4480, FA□ 718.631.6723, □MA□□ □S□□□□□TT□ 1-□A□□.□□M, □N A□□□T□□N T□ A□□ □N□□□□□□□□□N□ FA□□□TY □P□□AT□□S □N T□□ A□□A W□□ A□□ N□T □N□-□A□□ M□M□□□S, N□T □□SS T□AN TW□ (2) F□□□ □□S□N□SS □AYS AN□ N□T M□□□ T□AN T□N (10) F□□□ □□S□N□SS □AYS □□F□□□ □□MM□N□□N□ □□□A□AT□□N. T□□ □□NT□A□T□□ W□□□ □□□□□□□ A N□T□F□□AT□□N T□□□□T F□□M T□□ □N□-□A□□ □□NT□□ W□□□□ S□□□□□ □□ P□□S□NT□□ T□ T□□ □□S□□□NT □N□□N□□□ AS P□□□F □F T□□ □A□□.
6. T□□ □□NT□A□T□□ S□A□□ □□ S□□□□Y □□SP□NS□□□□ F□□ MA□NTA□N□N□ T□□ S□□□□□TY □F T□□ P□□□□□T S□T□ □□□□N□ A□□W□□□□N□ AN□ N□N-W□□□□N□ □□□□S, S□□□N □AYS A W□□□.
7. T□□ □□NT□A□T□□ □S □□SP□NS□□□□ F□□ □NS□□□N□ A□□ W□□□ □□NF□□MS W□T□ A□□ F□□□□A□, STAT□, □□□NTY □□ □□□A□ □□□□S □A□□N□ □□□□S□□T□□N □□□□ S□□□ W□□□.
8. T□□ □□NT□A□T□□ S□A□□ □□MP□Y W□T□ A□□ APP□□□A□□□ □S□A □□□□□AT□□NS AN□ SAF□TY P□□□□□□□□S T□ □NS□□□ P□□S□NN□□ □□□A□T□ AN□ SAF□TY. T□□ □□NT□A□T□□ M□ST MA□NTA□N A SAF□ AN□ □□□AN W□□□□N□ □N□□□□NM□NT AN□ S□A□□ □NS□□□ P□□P□□ P□□S□NA□ P□□T□□T□□□ □□□□PM□NT □S W□□N AT A□□ T□M□S. □N A□□AS W□□□□ P□□□ST□□AN AN□/□□ □□□□□□□A□ T□AFF□□ MAY □□ AFF□□T□□ □Y T□□ W□□□, T□□ □□NT□A□T□□ S□A□□ □□□□□□N □FF T□□ W□□□ A□□A.
9. P□□□□ T□ □□MM□N□□N□ W□□□, T□□ □□NT□A□T□□ S□A□□ □□S□T T□□ S□T□ AN□ S□A□□ N□T□FY T□□ □WN□□□S □□P□□S□NTAT□□□ □F ANY □T□□T□□S, ST□□□T□□□S □□ ANY □T□□□ □□□M□NTS W□□□□ MAY □MP□□□ W□□□. □T□□TY AN□/□□ ST□□□T□□□ □□□□□□AT□□NS, □F N□□□SSA□Y, S□A□□ □□ □□□□□□NAT□□ T□□□□□□ T□□ □WN□□□S □□P□□S□NTAT□□□ AT N□ A□□□T□□NA□ □□ST.
10. □T □S T□□ □□NT□A□T□□'S □□□SP□NS□□□□TY T□ □□□□FY, □□□□□□NAT□ AN□ STA□□ □□ S□□□□□N□□ □□S W□□□ W□T□ ANY □T□□□ P□ANN□□ □□ □N□□□N□ □□NST□□□T□□N A□T□□T□□S AT T□□ S□T□.
11. T□□ □□NT□A□T□□ S□A□□ □□□□□□□NAT□ ANY STA□□ W□□□, □AY □□WN, AN□ ST□□A□□ A□□A □□□AT□□NS AN□ A□□□□SS W□T□ □WN□□, P□□□□ T□ STA□T □F W□□□.
12. □□NT□A□T□□ T□ N□T□ □□NST□□□T□□N A□T□□T□□S MAY □A□□ □□MM□N□□□ S□N□□ S□□□□Y □SS□AN□□ AN□ AS S□□□ T□□ S□T□ □□N□□T□□NS S□□WN □□□□□N □□ N□T N□□□SSA□□□Y □□F□□□T T□□S□ W□□□□ W□□□ □□ F□□N□ □NS□T□ AT T□□ STA□T □F □□NST□□□T□□N.

LEGEND

Symbol	Description
	□□□ST□N□ □□□□□□N□
	P□□P□S□□ □□□□□□N□
	P□□P□S□□ □NT□□NA□ □MP□□□□M□NTS (N□ S□T□W□□□)
	P□□P□S□□ PA□□M□NT
	P□□P□S□□ 4" □□N□□□T□ S□□□WA□□
	□□ST□□□ □□ASS A□□A

KEYPLAN



SEAL

REVISIONS	DATE	DESCRIPTION

□□□ 31, 2014
85□ □□
P□□□□□□SS F□□
□□□□□W
N□T F□□
□□NST□□□□T□N

ISSUE	DATE	DESCRIPTION
2	12.31.14	85% CONSTRUCTION DOCUMENTS
1	07.30.14	100% DESIGN DEVELOPMENT

OWNER

GOOD SAMARITAN
□□SP□TA□ M□□□□A□ □□NT□□
1000 M□NTA□□ □□□□WAY
W□ST □S□□P, NY 11795

PROJECT

ESSENTIAL ELECTRICAL SYSTEM UPGRADES

DRAWING NUMBER

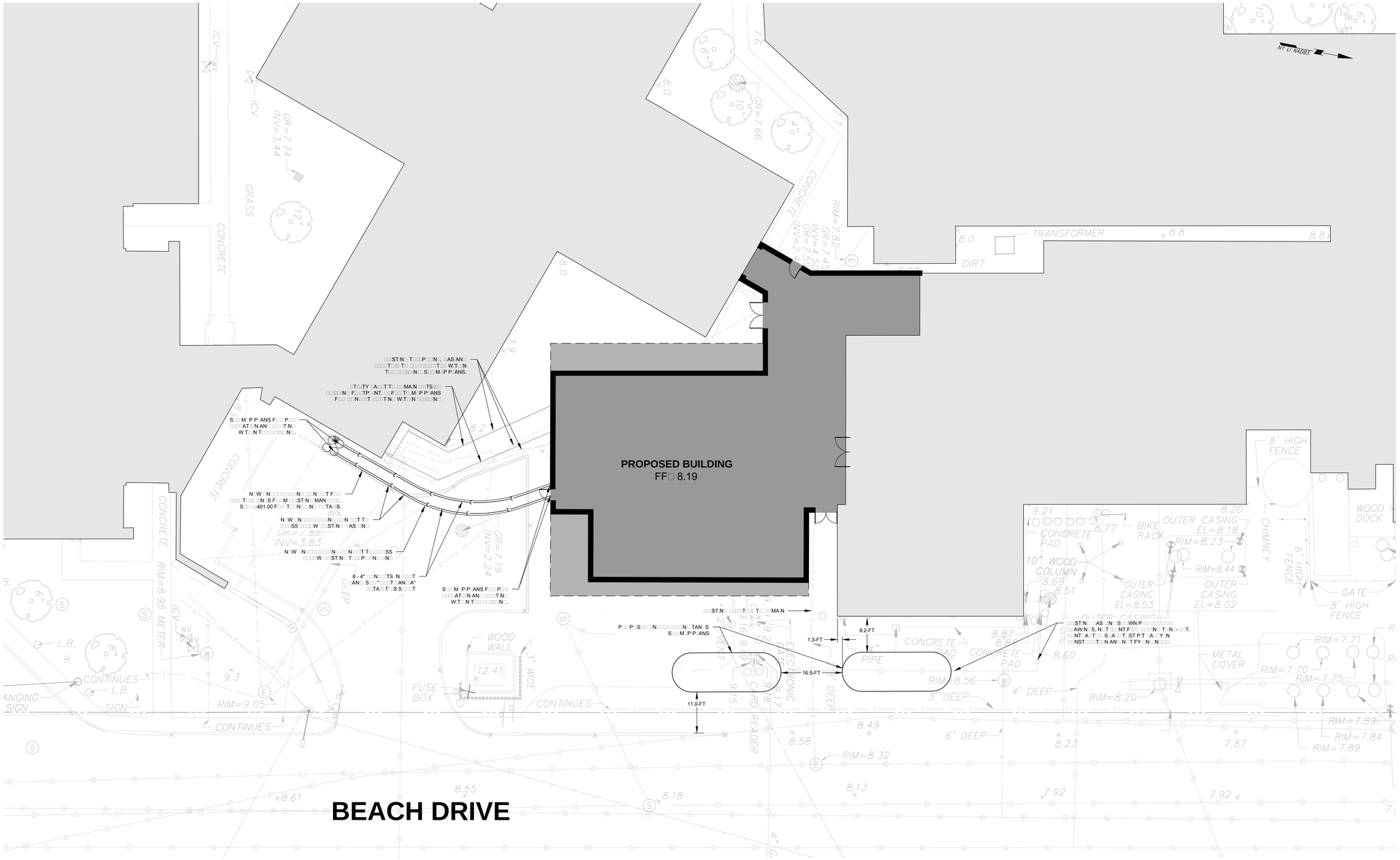
□-202

DRAWING NAME

S□T□ P□AN

DRAWING SCALE: 1"□10□
DRAWING FILE:
BINDING ORDER:
FIRST ISSUE DATE:

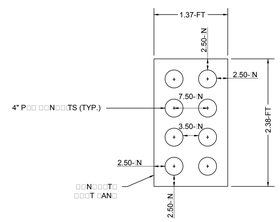
10 0 2 4 10
S□A□□ □N F□□T



LOCATION 'A' UTILITY PLAN
SCALE: 1" = 10'

GENERAL SITE NOTES:

1. EXISTING CONDITIONS AND TOPOGRAPHIC INFORMATION AS SHOWN ON THIS DOCUMENT ARE BASED ON THE TOPOGRAPHIC AND UTILITY SURVEY PREPARED BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, AND LANDSCAPE ARCHITECTURE, D.P.C., DATED 06/10/2014, LAST REVISED 10/24/2014.
2. ELEVATIONS SHOWN ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) BASED UPON NGS BENCHMARK MONUMENTS Z 374, D 330, RECOVERED ON 04/28/14, IN GOOD CONDITION.
3. THE MERIDIAN OF THIS SURVEY IS REFERENCED TO GRID NORTH NY LI NAD83.
4. LOCATIONS OF EXISTING UTILITIES SHALL BE CONSIDERED APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITIES PRIOR TO NEW UTILITY INSTALLATIONS. CONTRACTOR TO IMMEDIATELY NOTIFY OWNER AND ENGINEER IN WRITING OF ANY DISCREPANCIES.
5. IT IS MANDATORY, AS PER NYS INDUSTRIAL CODE RULE 53, FOR THE CONTRACTOR TO NOTIFY NEW YORK CITY/LONG ISLAND ONE-CALL CENTER, 36-35 BELL BOULEVARD, SUITE 202, BAYSIDE, NY 11361, TEL 800.272.4480, FAX 718.631.6723, EMAIL BSCHUETT@1-CALL.COM, IN ADDITION TO ALL UNDERGROUND FACILITY OPERATORS IN THE AREA WHO ARE NOT ONE-CALL MEMBERS, NOT LESS THAN TWO (2) FULL BUSINESS DAYS AND NOT MORE THAN TEN (10) FULL BUSINESS DAYS BEFORE COMMENCING EXCAVATION. THE CONTRACTOR WILL RECEIVE A NOTIFICATION TICKET FROM THE ONE-CALL ENTER WHICH SHOULD BE PRESENTED TO THE RESIDENT ENGINEER AS PROOF OF THE CALL..
6. THE CONTRACTOR SHALL BE SOLEY RESPONSIBLE FOR MAINTAINING THE SECURITY OF THE PROJECT SITE DURING ALL WORKING AND NON-WORKING HOURS, SEVEN DAYS A WEEK.
7. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL WORK CONFORMS WITH ALL FEDERAL, STATE, COUNTY OR LOCAL CODES HAVING JURISDICTION OVER SUCH WORK.
8. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OSHA REGULATIONS AND SAFETY PROCEDURES TO ENSURE PERSONNEL HEALTH AND SAFETY. THE CONTRACTOR MUST MAINTAIN A SAFE AND CLEAN WORKING ENVIRONMENT AND SHALL ENSURE PROPER PERSONAL PROTECTIVE EQUIPMENT IS WORN AT ALL TIMES. IN AREAS WHERE PEDESTRIAN AND/OR VEHICULAR TRAFFIC MAY BE AFFECTED BY THE WORK, THE CONTRACTOR SHALL CORDON OFF THE WORK AREA.
9. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL VISIT THE SITE AND SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF ANY UTILITIES, STRUCTURES OR ANY OTHER ELEMENTS WHICH MAY IMPEDE WORK. UTILITY AND/OR STRUCTURE RELOCATIONS, IF NECESSARY, SHALL BE COORDINATED THROUGH THE OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST.
10. IT IS THE CONTRACTORS' RESPONSIBILITY TO VERIFY, COORDINATE AND STAGE OR SEQUENCE HIS WORK WITH ANY OTHER PLANNED OR ONGOING CONSTRUCTION ACTIVITIES AT THE SITE.
11. THE CONTRACTOR SHALL COORDINATE ANY STAGE WORK, LAY DOWN, AND STORAGE AREA LOCATIONS AND ACCESS WITH OWNER, PRIOR TO START OF WORK.
12. CONTRACTOR TO NOTE CONSTRUCTION ACTIVITIES MAY HAVE COMMENCED SINCE SURVEY ISSUANCE AND AS SUCH THE SITE CONDITIONS SHOWN HEREON DO NOT NECESSARILY REFLECT THOSE WHICH WILL BE FOUND ONSITE AT THE START OF CONSTRUCTION.



DUCT BANK A
N.T.S.

LEGEND

- ST N
- P P S N
- P P S NT NA MP M NTS (N S T W)
- P P S PA M NT
- P P S 4" N T S WA
- ST ASS A A
- P P S T A N

10 0 2 4 10
S A N F T

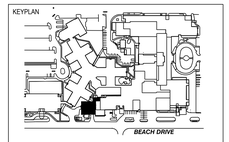
ARCHITECT
McGuire Group Architects, P.C.
Healthcare Architecture
538 BROADHOLLOW ROAD, SUITE 201
MELVILLE, NY 11747
631 465 9700, FAX 631 465 9701

MEP ENGINEER
WSP
512 Seventh Avenue
New York, NY 10018
(212) 532-9600
www.wspgroup.com/usa

STRUCTURAL ENGINEER
TDM CONSULTING ENGINEER,PC
550 NORTH COUNTRY ROAD
SUITE E, ST. JAMES, NY 11780
TEL. (631) 686-5234, FAX (631) 590-1927

CIVIL ENGINEER
LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com
NEW JERSEY NEW YORK CONNECTICUT PENNSYLVANIA OHIO
VIRGINIA WASHINGTON DC FLORIDA NORTH DAKOTA CALIFORNIA
ABU DHABI ATHENS DOHA DUBAI ISTANBUL
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan International LLC
Collectively known as Langan

KEYPLAN



SEAL

REVISIONS	DATE	DESCRIPTION

31, 2014
85
P SS F
W
N T F
NST T N

ISSUE	DATE	DESCRIPTION
2	12.31.14	85% CONSTRUCTION DOCUMENTS
1	07.30.14	100% DESIGN DEVELOPMENT

OWNER
GOOD SAMARITAN
SP TA M A NT
1000 M NTA WAY
W ST S P, NY 11795

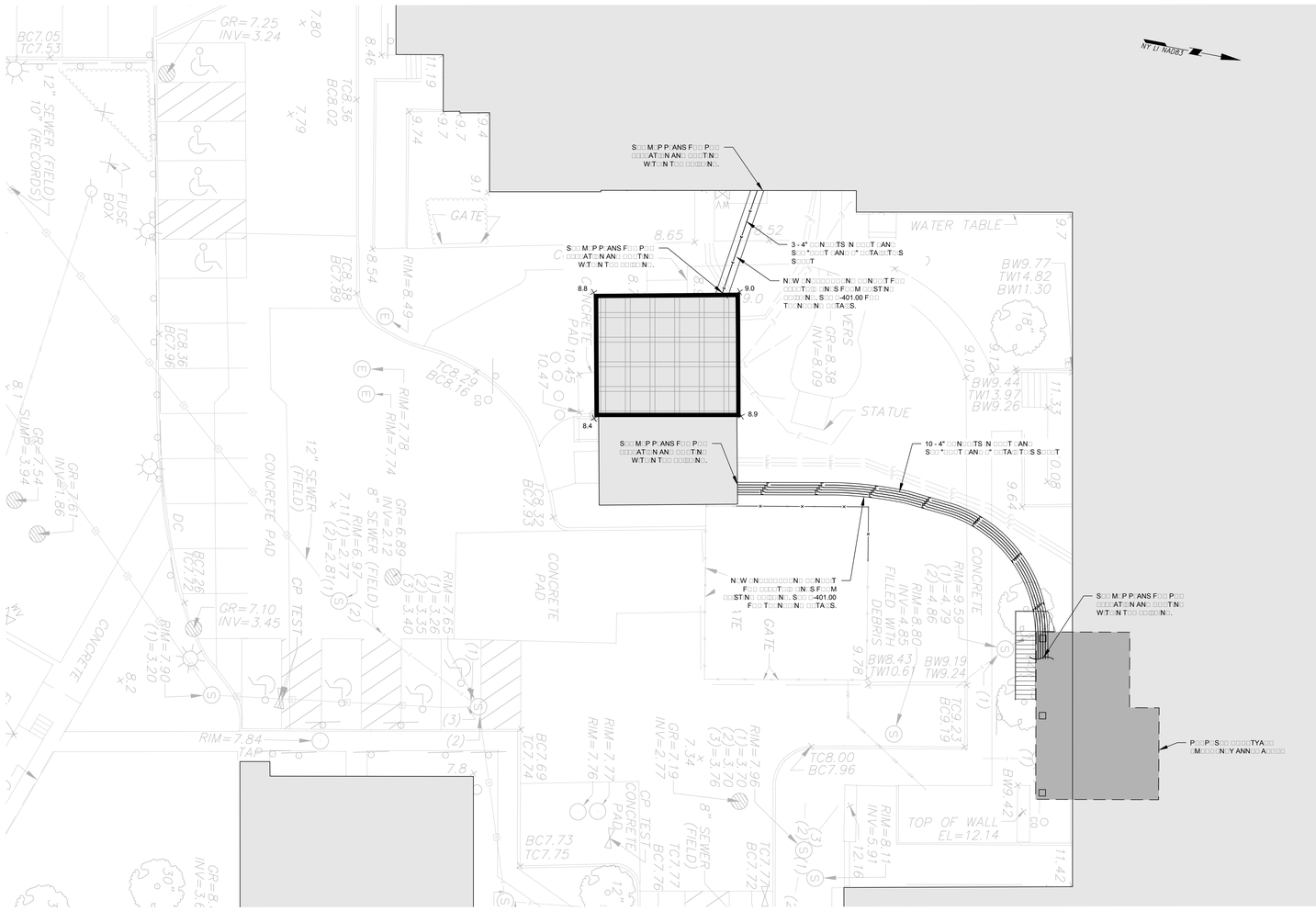
PROJECT
ESSENTIAL ELECTRICAL SYSTEM UPGRADES

DRAWING NUMBER
-301

DRAWING NAME
T TY P AN

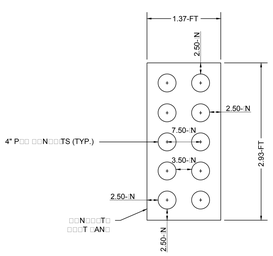
DRAWING SCALE	DRAWING FILE
1" 10	
BINDING ORDER	**FIRST ISSUE DATE**

F lename: langan.com data NY data4 170270401 add ata - 170270401 Sheet Files -301 - S T T TY P AN.dwg ate: 12/30/2014 Time: 12:44 ser: stuuz St le Ta le: angan.stl a out: -301.00

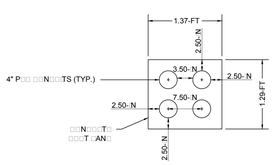


LOCATION 'B' UTILITY PLAN

SCALE: 1" = 10'



DUCT BANK B
N.T.S.



DUCT BANK C
N.T.S.

GENERAL SITE NOTES:

1. EXISTING CONDITIONS AND TOPOGRAPHIC INFORMATION AS SHOWN ON THIS DOCUMENT ARE BASED ON THE TOPOGRAPHIC AND UTILITY SURVEY PREPARED BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, AND LANDSCAPE ARCHITECTURE, D.P.C., DATED 06/10/2014, LAST REVISED 10/24/2014.
2. ELEVATIONS SHOWN ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) BASED UPON NGS BENCHMARK MONUMENTS Z 374, D 330, RECOVERED ON 04/28/14, IN GOOD CONDITION.
3. THE MERIDIAN OF THIS SURVEY IS REFERENCED TO GRID NORTH NY LI NAD83.
4. LOCATIONS OF EXISTING UTILITIES SHALL BE CONSIDERED APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITIES PRIOR TO NEW UTILITY INSTALLATIONS. CONTRACTOR TO IMMEDIATELY NOTIFY OWNER AND ENGINEER IN WRITING OF ANY DISCREPANCIES.
5. IT IS MANDATORY, AS PER NYS INDUSTRIAL CODE RULE 53, FOR THE CONTRACTOR TO NOTIFY NEW YORK CITY/LONG ISLAND ONE-CALL CENTER, 36-35 BELL BOULEVARD, SUITE 202, BAYSIDE, NY 11361, TEL 800.272.4480, FAX 718.631.6723, EMAIL BSCHUETT@1-CALL.COM, IN ADDITION TO ALL UNDERGROUND FACILITY OPERATORS IN THE AREA WHO ARE NOT ONE-CALL MEMBERS, NOT LESS THAN TWO (2) FULL BUSINESS DAYS AND NOT MORE THAN TEN (10) FULL BUSINESS DAYS BEFORE COMMENCING EXCAVATION. THE CONTRACTOR WILL RECEIVE A NOTIFICATION TICKET FROM THE ONE-CALL ENTER WHICH SHOULD BE PRESENTED TO THE RESIDENT ENGINEER AS PROOF OF THE CALL..
6. THE CONTRACTOR SHALL BE SOLEY RESPONSIBLE FOR MAINTAINING THE SECURITY OF THE PROJECT SITE DURING ALL WORKING AND NON-WORKING HOURS, SEVEN DAYS A WEEK.
7. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL WORK CONFORMS WITH ALL FEDERAL, STATE, COUNTY OR LOCAL CODES HAVING JURISDICTION OVER SUCH WORK.
8. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OSHA REGULATIONS AND SAFETY PROCEDURES TO ENSURE PERSONNEL HEALTH AND SAFETY. THE CONTRACTOR MUST MAINTAIN A SAFE AND CLEAN WORKING ENVIRONMENT AND SHALL ENSURE PROPER PERSONAL PROTECTIVE EQUIPMENT IS WORN AT ALL TIMES. IN AREAS WHERE PEDESTRIAN AND/OR VEHICULAR TRAFFIC MAY BE AFFECTED BY THE WORK, THE CONTRACTOR SHALL CORDON OFF THE WORK AREA.
9. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL VISIT THE SITE AND SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF ANY UTILITIES, STRUCTURES OR ANY OTHER ELEMENTS WHICH MAY IMPEDE WORK. UTILITY AND/OR STRUCTURE RELOCATIONS, IF NECESSARY, SHALL BE COORDINATED THROUGH THE OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST.
10. IT IS THE CONTRACTORS' RESPONSIBILITY TO VERIFY, COORDINATE AND STAGE OR SEQUENCE HIS WORK WITH ANY OTHER PLANNED OR ONGOING CONSTRUCTION ACTIVITIES AT THE SITE.
11. THE CONTRACTOR SHALL COORDINATE ANY STAGE WORK, LAY DOWN, AND STORAGE AREA LOCATIONS AND ACCESS WITH OWNER, PRIOR TO START OF WORK.
12. CONTRACTOR TO NOTE CONSTRUCTION ACTIVITIES MAY HAVE COMMENCED SINCE SURVEY ISSUANCE AND AS SUCH THE SITE CONDITIONS SHOWN HEREON DO NOT NECESSARILY REFLECT THOSE WHICH WILL BE FOUND ONSITE AT THE START OF CONSTRUCTION.

LEGEND

- □□ST□N□ □□□□N□
- P□□P□S□□ □□□□N□
- P□□P□S□□ □NT□□NA□□MP□□□□M□NTS (N□ S□T□W□□□)
- P□□P□S□□ PA□□M□NT
- P□□P□S□□ 4" □□N□□□T□□S□□WA□□
- □□ST□□□ □□ASS A□□A
- P□□P□S□□ □□□□T□□A□□□N□□□T

ARCHITECT

McGuire Group Architects, P.C.
Healthcare Architecture
538 BROADHOLLOW ROAD, SUITE 201
MELVILLE, NY 11747
631 465 9700, FAX 631 465 9701

MEP ENGINEER

WSP
512 Seventh Avenue
New York, NY 10018
(212) 532-9600
www.wspgroup.com/usa

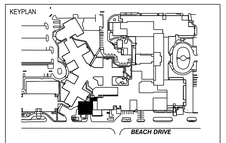
STRUCTURAL ENGINEER

TDM CONSULTING ENGINEER,PC
550 NORTH COUNTRY ROAD
SUITE E, ST. JAMES, NY 11780
TEL. (631) 686-5234, FAX (631) 590-1927

CIVIL ENGINEER

LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com
NEW JERSEY NEW YORK CONNECTICUT PENNSYLVANIA OHIO
VIRGINIA WASHINGTON DC FLORIDA NORTH DAKOTA CALIFORNIA
ABU DHABI ATHENS DOHA DUBAI ISTANBUL
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan International LLC
Collectively known as Langan

KEYPLAN



SEAL

REVISIONS	DATE	DESCRIPTION

□□□ 31, 2014
85□ □□
P□□□□□SS F□□
□□□□W
N□T F□□
□□NST□□□T□N

ISSUE	DATE	DESCRIPTION
2	12.31.14	85% CONSTRUCTION DOCUMENTS
1	07.30.14	100% DESIGN DEVELOPMENT

OWNER

GOOD SAMARITAN
□□SP□TA□M□□□A□□□NT□□
1000 M□NTA□□ □□WAY
W□ST □S□P, NY 11795

PROJECT

ESSENTIAL ELECTRICAL SYSTEM UPGRADES

DRAWING NUMBER

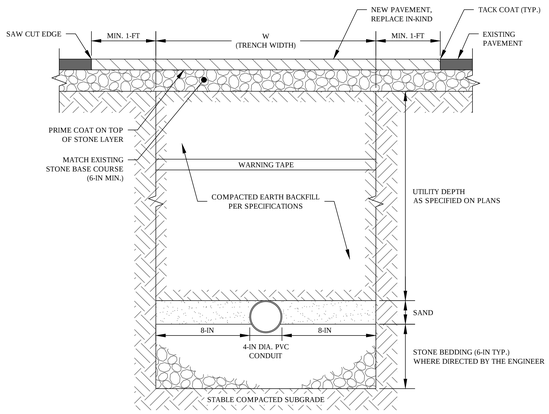
□-302

DRAWING NAME

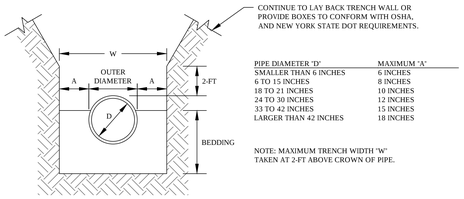
□T□□TY P□AN

DRAWING SCALE	DRAWING FILE
1"□10□	
BINDING ORDER	FIRST ISSUE DATE

10 0 2 4 10
S□A□ □N F□ □T



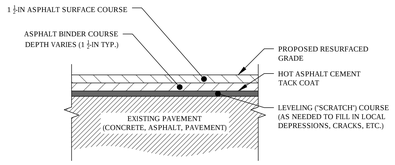
UTILITY TRENCHING DETAIL
N.T.S.



PIPE DIAMETER 'D'	MAXIMUM 'A'
SMALLER THAN 6 INCHES	6 INCHES
6 TO 15 INCHES	8 INCHES
18 TO 21 INCHES	10 INCHES
24 TO 30 INCHES	12 INCHES
33 TO 42 INCHES	15 INCHES
LARGER THAN 42 INCHES	18 INCHES

NOTE: MAXIMUM TRENCH WIDTH "W"
TAKEN AT 2-FT ABOVE CROWN OF PIPE.

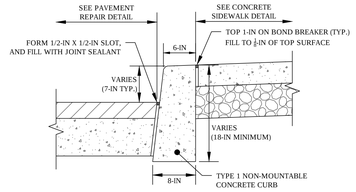
STANDARD PIPE TRENCH WIDTH
N.T.S.



NOTES:

1. ALL ASPHALT PAVEMENT CONSTRUCTION AND MATERIAL SHALL BE IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
2. ADDITIONAL BINDER COURSE SHALL BE ADDED UNTIL DESIRED GRADE IS ACHIEVED.

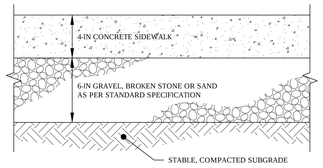
ASPHALT PAVEMENT OVERLAY
N.T.S.



NOTES:

1. ALL MATERIALS AND CONSTRUCTION METHODS ARE TO CONFORM TO PROJECT SPECIFICATIONS.

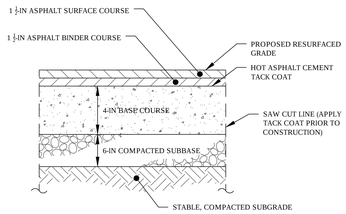
CONCRETE CURB
N.T.S.



NOTES:

1. CONCRETE SHALL BE CLASS B-32, WITH A 28-DAY COMPRESSIVE STRENGTH OF 3,200 PSI (MIN.)
2. ALL MATERIALS AND CONSTRUCTION METHODS USED ARE TO CONFORM TO PROJECT SPECIFICATIONS.
3. TRANSVERSE EXPANSION JOINTS (1/4-INCH WIDE) SHALL BE PROVIDED AT 20-FOOT MAXIMUM INTERVALS. EXPANSION JOINTS SHALL BE FILLED WITH MATERIAL TYPE AS PER LATEST NYC DOT SPECIFICATION (CLOSED CELL POLYETHYLENE, PRE MOLDED BITUMINOUS, OR APPROVED EQUAL) SCORE LINES SHALL BE EVERY 5-FEET O.C.

TYPICAL 4-INCH CONCRETE SIDEWALK
N.T.S.



NOTES:

1. ALL ASPHALT PAVEMENT CONSTRUCTION AND MATERIAL SHALL BE IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
2. FULL DEPTH PAVEMENT REPLACEMENT SHOULD BE USED WHENEVER PROPOSED CONDITION WILL RESULT IN LESS THAN 3-IN OF ASPHALT PAVEMENT.

FULL DEPTH ASPHALT PAVEMENT
N.T.S.

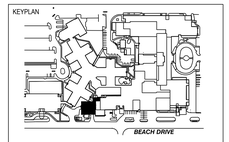
ARCHITECT
McGuire Group Architects, P.C.
Healthcare Architecture
538 BROADHOLLOW ROAD, SUITE 201
MELVILLE, NY 11747
631 465 9700, FAX 631 465 9701

MEP ENGINEER
WSP
512 Seventh Avenue
New York, NY 10018
(212) 532-9600
www.wspgroup.com/usa

STRUCTURAL ENGINEER
TDM CONSULTING ENGINEER,PC
550 NORTH COUNTRY ROAD
SUITE E, ST. JAMES, NY 11780
TEL. (631) 686-5234, FAX (631) 590-1927

CIVIL ENGINEER
LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com
NEW JERSEY NEW YORK CONNECTICUT PENNSYLVANIA OHIO
VIRGINIA WASHINGTON DC FLORIDA NORTH DAKOTA CALIFORNIA
ABU DHABI ATHENS DOHA DUBAI ISTANBUL
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan International LLC
Collectively known as Langan

KEYPLAN



SEAL

REVISIONS	DATE	DESCRIPTION

□□□ 31, 2014
85□ □□
P□□□□□□SS F□□
□□□□□W
N□T F□□
□□NST□□□T□N

ISSUE	DATE	DESCRIPTION
2	12.31.14	85% CONSTRUCTION DOCUMENTS
1	07.30.14	100% DESIGN DEVELOPMENT

OWNER
GOOD SAMARITAN
□□SP□TA□ M□□□□A□ □□NT□□
1000 M□NTA□□ □□□WAY
W□ST S□P, NY 11795

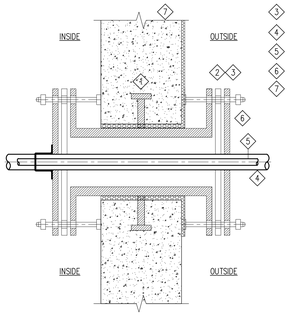
PROJECT
ESSENTIAL ELECTRICAL SYSTEM UPGRADES

DRAWING NUMBER
□-401

DRAWING NAME
S□T□ □□TA□□S

DRAWING SCALE	DRAWING FILE
N.T.S.	
BINDING ORDER	FIRST ISSUE DATE

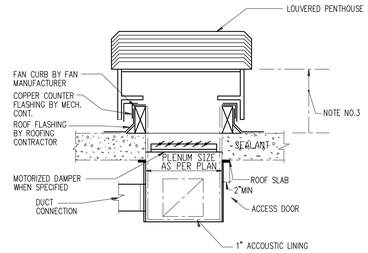
Attachment 6



NOTES:
1. IMBED SLEEVE
2. GASKET
3. PLATE WELDED GASKET TO PIPE
4. CARRIER PIPE
5. OIL PIPE
6. WATER PROOFING MEMBRANE
7. WATER PROOF CONCRETE OIL PUMP ROOM.

1/601 OIL PIPE PENETRATION TOUCH EXTERIOR WALL

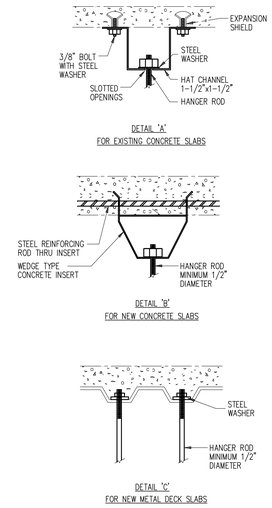
SCALE: 1/4"=1'-0"



NOTES
1. PREFABRICATED ACOUSTICAL CURB (WHEN SPECIFIED).
2. BASE FLASHING BY OTHERS, CAP FLASHING BY HVAC CONTRACTOR.
3. MINIMUM 24" FOR INTAKE & MINIMUM 18" FOR RELIEF.
4. MOTORIZED LOUVER TYPE DAMPER.

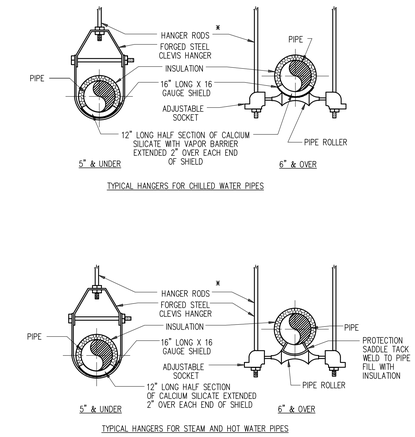
2/601 LOUVERED PENTHOUSE

NOT TO SCALE



3/601 STRUCTURE ATTACHMENTS

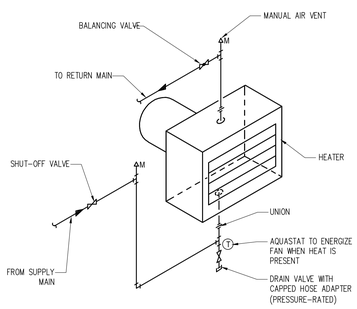
NOT TO SCALE



* NOTE
SEE STRUCTURE ATTACHMENT DETAILS FOR METHODS OF SECURING HANGERS

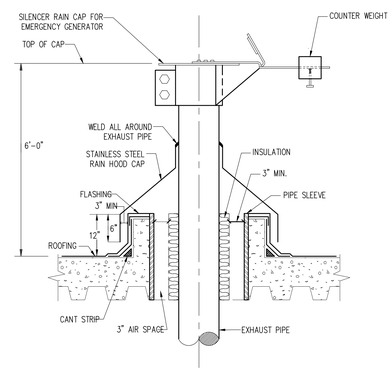
4/601 STEAM, HOT AND CHILLED WATER PIPE HANGER (SINGLE PIPES)

NOT TO SCALE



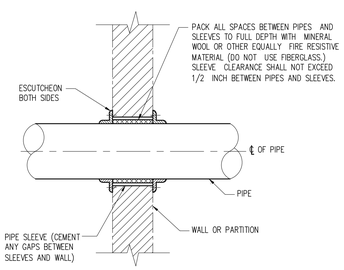
5/601 HOT WATER UNIT HEATER PIPING

NOT TO SCALE



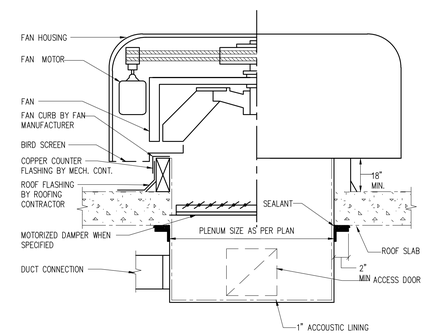
6/601 EMERGENCY GENERATOR EXHAUST PIPE THRU ROOF

NOT TO SCALE



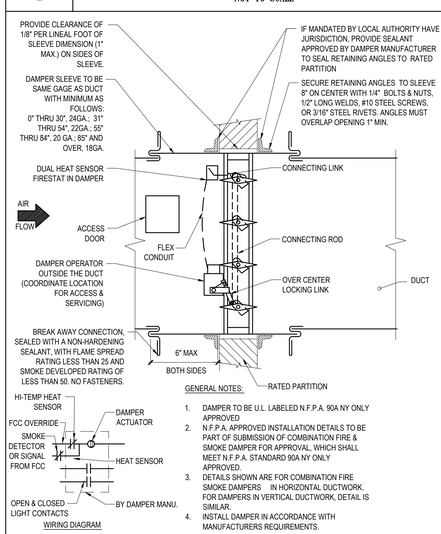
7/601 PIPING PIERCING FIRE RATED PARTITIONS & WALLS

NOT TO SCALE



8/601 ROOF EXHAUST FAN

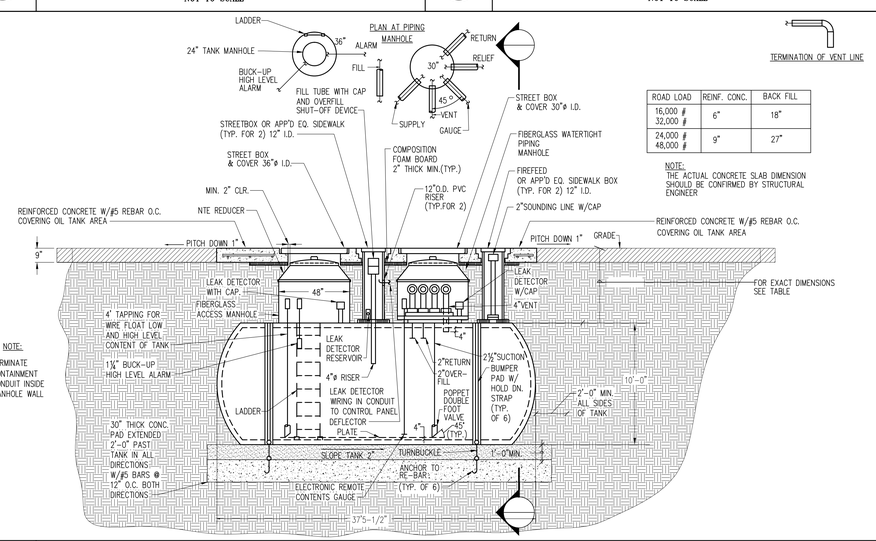
NOT TO SCALE



GENERAL NOTES:
1. DAMPER TO BE U.L. LABELED N.F.P.A. 90A NY ONLY APPROVED.
2. N.F.P.A. APPROVED INSTALLATION DETAILS TO BE PART OF SUBMISSION OF COMBINATION FIRE & SMOKE DAMPER FOR APPROVAL, WHICH SHALL MEET N.F.P.A. STANDARD 90A NY ONLY APPROVED.
3. DETAILS SHOWN ARE FOR COMBINATION FIRE SMOKE DAMPERS IN HORIZONTAL DUCTWORK. FOR DAMPERS IN VERTICAL DUCTWORK, DETAIL IS SIMILAR.
4. INSTALL DAMPER IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS.

9/601 DUAL SENSOR OPENABLE COMBINATION FIRE AND SMOKE DAMPER (FSD-HS & FSD-HS3)

NOT TO SCALE

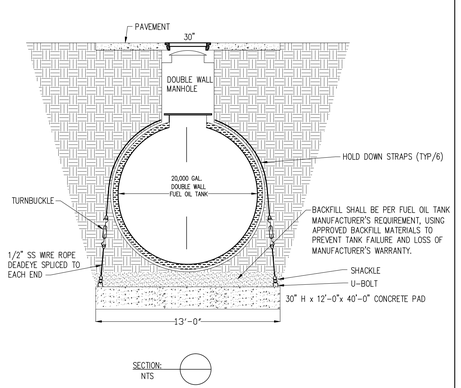


ROAD LOAD	REINF. CONC.	BACK FILL
16,000 # 32,000 #	6"	18"
24,000 # 48,000 #	9"	27"

NOTE:
THE ACTUAL CONCRETE SLAB DIMENSION SHOULD BE CONFIRMED BY STRUCTURAL ENGINEER

10/601 BURIED DOUBLE WALL FIBERGLASS TANK (20,000 GALLONS)

NOT TO SCALE



11/601 FUEL OIL STORAGE TANK - END SECTION

NOT TO SCALE

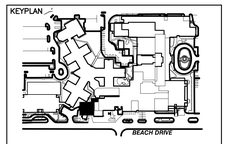
MEP ENGINEER
WSP
512 Seventh Avenue
New York, NY 10018
(212) 532-9600
www.wspgroup.com/usa

ARCHITECT
McGuire Group Architects,P.C.
Healthcare Architecture
538 BROADHOLLOW ROAD, SUITE 201
MELVILLE, NY 11747
631 465 9700, FAX 631 465 9701

STRUCTURAL ENGINEER
TDM CONSULTING ENGINEER,PC
550 NORTH COUNTRY ROAD
SUITE E, ST. JAMES, NY 11780
TEL. (631) 686-5234, FAX (631) 590-1927

CIVIL ENGINEER
LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com
NEW JERSEY NEW YORK CONNECTICUT PENNSYLVANIA OHIO
VIRGINIA WASHINGTON DC FLORIDA NORTH DAKOTA CALIFORNIA
ABU DHABI ATHENS DOHA DUBAI ISTANBUL
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan Watershed LLC
Collectively known as Langan

KEYPLAN



SEAL

REVISIONS DATE	DESCRIPTION

PROGRESS PRINT
MAY 8, 2015

ISSUE	DATE	DESCRIPTION
4	12.04.17	CONSTRUCTION COST ESTIMATE
3	03.20.15	100% CD PROGRESS FOR REVIEW
2	12.31.14	85% CONSTRUCTION DOCUMENT
1	07.30.14	100% DESIGN DEVELOPMENT

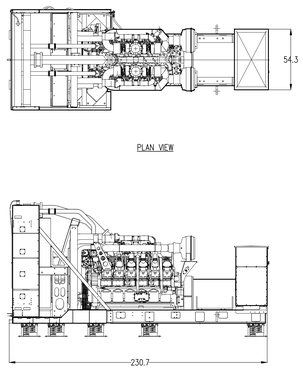
OWNER
GOOD SAMARITAN HOSPITAL MEDICAL CENTER
1000 MONTAUK HIGHWAY
WEST ISLIP, NY 11795

PROJECT
ESSENTIAL ELECTRICAL SYSTEM UPGRADES

DRAWING NUMBER
M-601

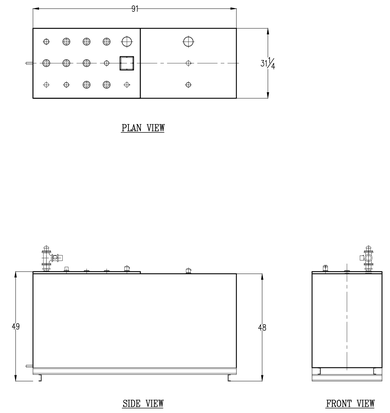
DRAWING NAME
HVAC DETAILS SHEET #2

DRAWING SCALE: AS NOTED
DRAWING FILE: GSHM601
BINDING ORDER
FIRST ISSUE DATE



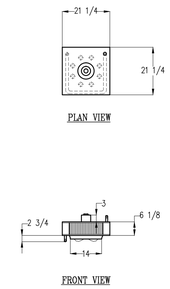
1/600 EMERGENCY GENERATOR EG-1/2/3 -1500 KV

SCALE: 1/4"=1'-0"



2/600 GENERATOR DAYTANK

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

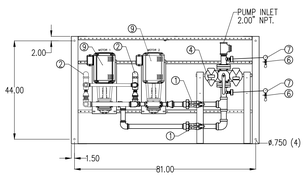


3/600 VERTICAL HOT HEATER

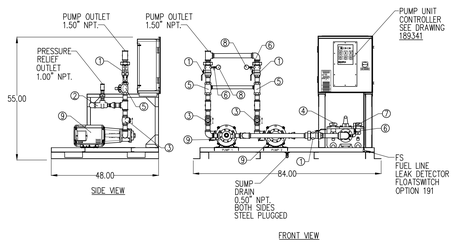
1/2"=1'-0"

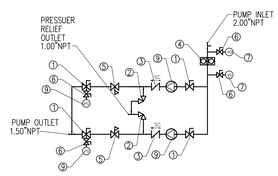
NOTES:

1. MATERIAL: 12 GA., H.R.S.
2. UNIT COLOR - WHITE
3. DUE TO SYSTEM COMPLEXITY SOME COMPONENTS MAY NOT BE VISIBLE IN ALL VIEWS



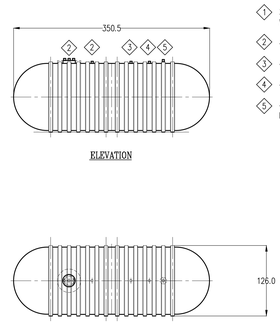
PART LEGEND		PART LEGEND	
1	BV1 = BALL VALVE 1.50" NPT OPTION 087	7	VG = VACUUM GAUGE 0-30 HG OPTION 101
2	PRV = PRESSURE RELIEF VALVE SET @ 65 PSI OPTION 095	8	PG = PRESSURE GAUGE 0-200 PSI OPTION 100
3	SC = SWING CHECK VALVE 1.50 " NPT OPTION 070	9	MOT1,2 PUMP1,2 = MOTOR / PUMP CLOSED COUPLED 1.0 H.P., 1.8 FLA 460VAC, 3ø, 60HZ 17 G.P.M. @ 50 P.S.I. TEFC OPTION 922/520
4	FSR = DUPLEX FUEL STRAINER 2.00" FLANGED OPTION 062		
5	FLS = FLOW SWTCH 1.50" NPT 1.5 GPM SETPOINT OPTION 285		
6	BV2 = BALL VALVE 0.25" NPT		





4/600 GENERATOR FUEL OIL DUPLEX PUMPSET

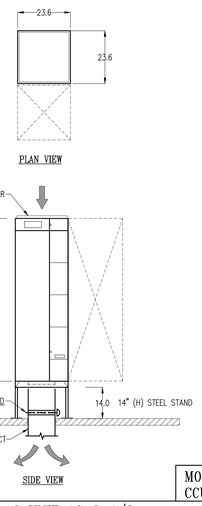
SCALE: 1/2"=1'-0"



1. 22" MANWAY W/(3)-4"NPT FITTING
2. 4" NPT FITTING
3. 4" NPT FITTING
4. 4" NPT FITTING
5. 4" ANNULAR SPACE FITTING

5/600 15,000 GALLON FIBERGLASS, TRIPLE-WALL, BURIED FUEL OIL TANK

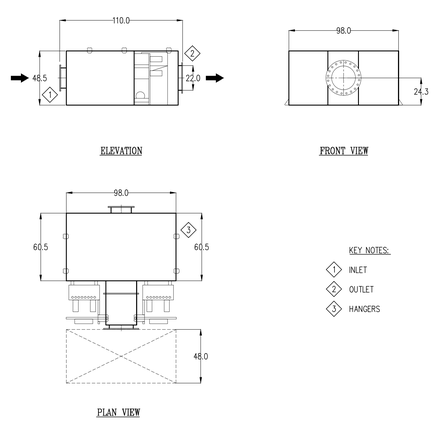
SCALE: 1/8"=1'-0"



MODEL # CCU-121-A

6/600 AC UNIT AC-3-1/2 (ELECTRICAL ROOMS, GENERATOR ROOM)

SCALE: 1/4"=1'-0"

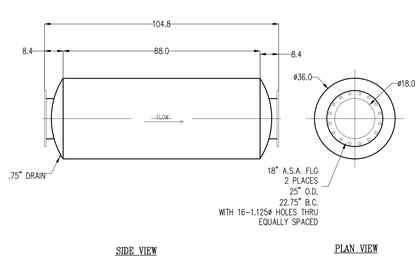


KEY NOTES:

1. INLET
2. OUTLET
3. HANGERS

7/600 ACTIVE DIESEL PARTICULATE FILTER (ADPF) (6000 LB)

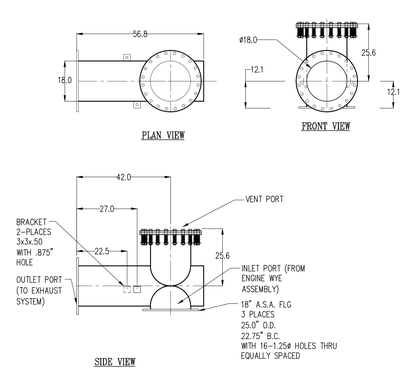
SCALE: 1/4"=1'-0"



HARCO

8/600 SUPER CRITICAL SILENCER

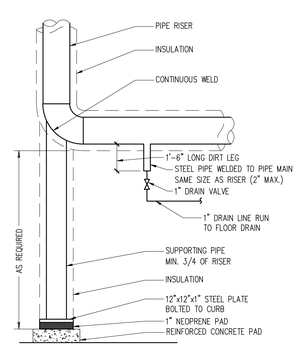
SCALE: 1/4"=1'-0"



HEX-18

9/600 ENGINE EXHAUST BACKFIRE RELIEF PORT

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



10/600 PIPE RISER BASE ELBOW SUPPORT

NOT TO SCALE

MEP ENGINEER

WSP

512 Seventh Avenue
New York, NY 10018
(212) 532-9600
www.wspgroup.com/usa

ARCHITECT

McGuire Group Architects,P.C.
Healthcare Architecture
538 BROADHOLLOW ROAD, SUITE 201
MELVILLE, NY 11747
631 465 9700, FAX 631 465 9701

STRUCTURAL ENGINEER

TDM CONSULTING ENGINEER,PC
550 NORTH COUNTRY ROAD
SUITE E, ST. JAMES, NY 11780
TEL. (631) 686-5234, FAX (631) 590-1927

CIVIL ENGINEER

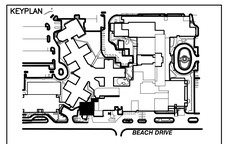
LANGAN

21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com

NEW JERSEY NEW YORK CONNECTICUT PENNSYLVANIA OHIO
VIRGINIA WASHINGTON DC FLORIDA NORTH DAKOTA CALIFORNIA
ABU DHABI ATHENS DOHA DUBAI ISTANBUL

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan CO, Inc.
Langan International LLC
Collectively known as Langan

KEYPLAN



SEAL

REVISIONS	DATE	DESCRIPTION

PROGRESS PRINT
MAY 8, 2015

ISSUE	DATE	DESCRIPTION
4	12.04.17	CONSTRUCTION COST ESTIMATE
3	03.20.15	100% CD PROGRESS FOR REVIEW
2	12.31.14	85% CONSTRUCTION DOCUMENT
1	07.30.14	100% DESIGN DEVELOPMENT

OWNER

GOOD SAMARITAN
HOSPITAL MEDICAL CENTER
1000 MONTAUK HIGHWAY
WEST ISLIP, NY 11795

PROJECT

ESSENTIAL
ELECTRICAL SYSTEM
UPGRADES

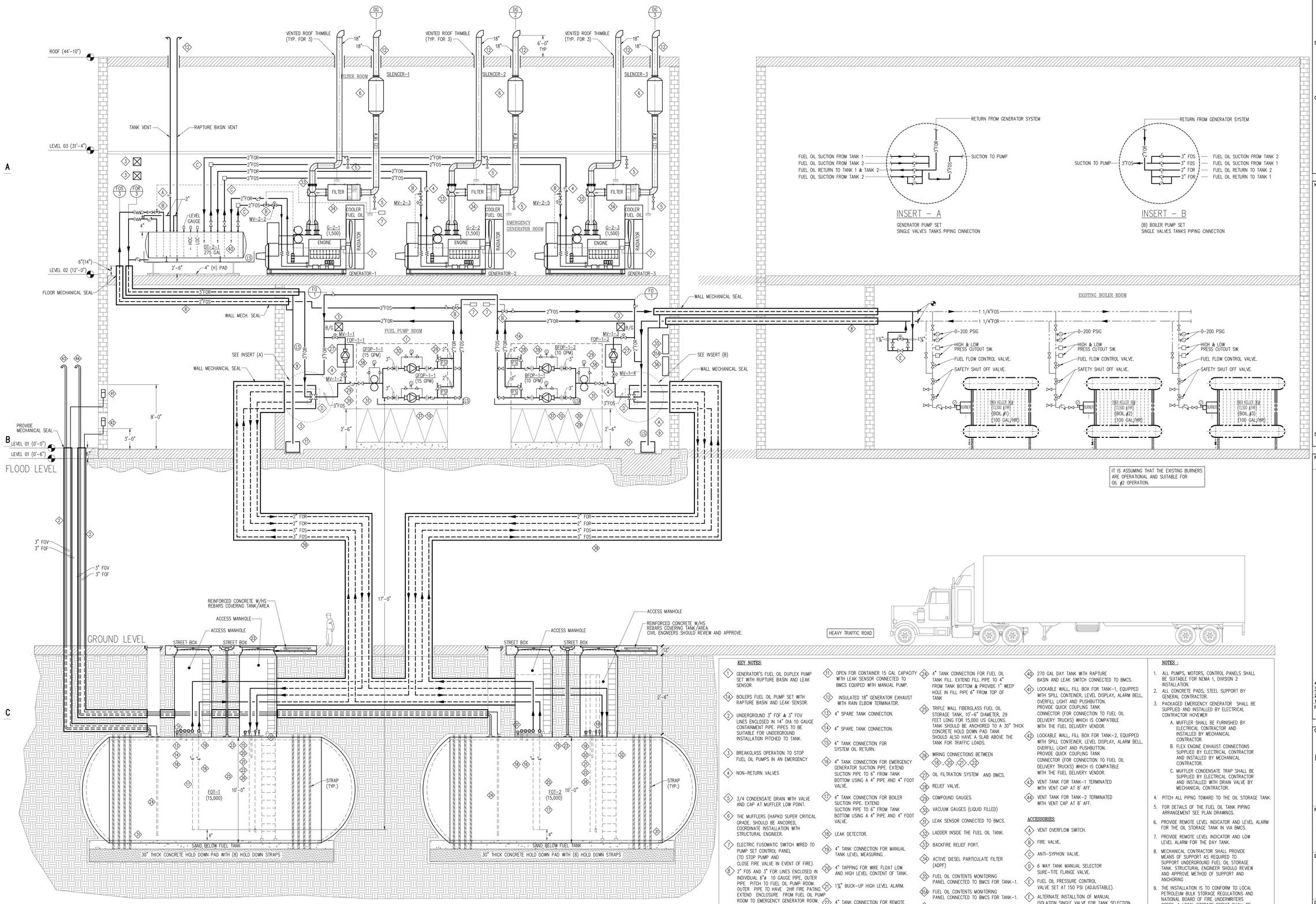
DRAWING NUMBER

M-600

DRAWING NAME

HVAC
DETAILS
SHEET #1

DRAWING SCALE	DRAWING FILE
AS NOTED	GSHM600
BINDING ORDER	FIRST ISSUE DATE



KEY NOTES:

1. GENERATOR'S FUEL OIL DUPLEX PUMP SET WITH RUPTURE BASIN AND LEAK SENSOR.
1A. BOILERS FUEL OIL PUMP SET WITH RAPTURE BASIN AND LEAK SENSOR.
2. UNDERGROUND 3" FOF & 3" FOV LINES ENCLOSED IN 14" DIA 10 GAUGE CONTAINMENT PIPE. PIPES TO BE SUITABLE FOR UNDERGROUND INSTALLATION PITCHED TO TANK.
3. BREAKGLASS OPERATION TO STOP FUEL OIL PUMPS IN AN EMERGENCY
4. NON-RETURN VALVES
5. 3/4 CONDENSATE DRAIN WITH VALVE AND CAP AT MUFFLER LOW POINT.
6. THE MUFFLERS (HAPKO SUPER CRITICAL GRADE. SHOULD BE ANCORED. COORDINATE INSTALLATION WITH STRUCTURAL ENGINEER.
7. ELECTRIC FUSOMATIC SWITCH WIRED TO PUMP SET CONTROL PANEL (TO STOP PUMP AND CLOSE FIRE VALVE IN EVENT OF FIRE).
8. 2" FOS AND 3" FOR LINES ENCLOSED IN INDIVIDUAL 6"ø 10 GAUGE PIPE, OUTER PIPE PITCH TO FUEL OIL PUMP ROOM. OUTER PIPE TO HAVE 2HR FIRE PAITING. EXTEND ENCLOSURE FROM FUEL OIL PUMP ROOM TO EMERGENCY GENERATOR ROOM.
9. 1" DRAIN LINE FROM PIPING ENCLOSURE TO OPEN CONTAINER WITH LEAK SENSOR.
10. ELEVATED STEEL PUMP SUPPORT.
11. OPEN FOR CONTAINER 15 GAL CAPACITY WITH LEAK SENSOR CONNECTED TO BMCS EQUIPED WITH MANUAL PUMP.
12. INSULATED 18" GENERATOR EXHAUST WITH RAIN ELBOW TERMINATOR.
13. 4" SPARE TANK CONNECTION.
14. 4" SPARE TANK CONNECTION.
15. 4" TANK CONNECTION FOR SYSTEM OIL RETURN.
16. 4" TANK CONNECTION FOR EMERGENCY GENERATOR SUCTION PIPE. EXTEND SUCTION PIPE TO 6" FROM TANK BOTTOM USING A 4" PIPE AND 4" FOOT VALVE.
17. 4" TANK CONNECTION FOR BOILER SUCTION PIPE. EXTEND SUCTION PIPE TO 6" FROM TANK BOTTOM USING A 4" PIPE AND 4" FOOT VALVE.
18. LEAK DETECTOR.
19. 4" TANK CONNECTION FOR MANUAL TANK LEVEL MEASURING.
20. 4" TAPPING FOR WIRE FLOAT LOW AND HIGH LEVEL CONTENT OF TANK.
21. 1¾" BUCK-UP HIGH LEVEL ALARM.
22. 4" TANK CONNECTION FOR REMOTE CONTENTS GAUGE.
23. 2" SOUNDING LINE W/CAP.
24. 4" TANK CONNECTION FOR FUEL OIL TANK FILL. EXTEND FILL PIPE TO 4" FROM TANK BOTTOM & PROVIDE 1" WEEP HOLE IN FILL PIPE 6" FROM TOP OF TANK
25. TRIPLE WALL FIBERGLASS FUEL OIL STORAGE TANK, 10'-6" DIAMETER, 29 FEET LONG FOR 15,000 US GALLONS. TANK SHOULD BE ANCHORED TO A 30" THICK CONCRETE HOLD DOWN PAD TANK SHOULD ALSO HAVE A SLAB ABOVE THE TANK FOR TRAFFIC LOADS.
26. WIRING CONNECTIONS BETWEEN 19, 20, 21, 22
27. OIL FILTRATION SYSTEM AND BMCS.
28. RELIEF VALVE.
29. COMPOUND GAUGES.
30. VACUUM GAUGES (LIQUID FILLED)
31. LEAK SENSOR CONNECTED TO BMCS.
32. LADDER INSIDE THE FUEL OIL TANK.
33. BACKFIRE RELIEF PORT.
34. ACTIVE DIESEL PARTICULATE FILTER (ADPF)
35. FUEL OIL CONTENTS MONITORING PANEL CONNECTED TO BMCS FOR TANK-1.
36. FUEL OIL CONTENTS MONITORING PANEL CONNECTED TO BMCS FOR TANK-1.
36. FUEL OIL LEAK DETECTION PANEL CONNECTED TO BMCS.
37. FLOW SWITCH FOR PUMPSET RUN VERIFICATION
38. DIRTY STRAINER SWITCH
39. (2) 3" FOS AND (2) 2" FOR LINES ENCLOSED INDIVIDUALLY IN THE 6"ø CAUSE CONTAINMENT PIPE. PIPE TO BE SUITABLE FOR UNDERGROUND INSTALLTION AND PITCH TOWARD TANK. TERMINATE PIPE WITH LEAK SENSOR.
40. 270 GAL DAY TANK WITH RAPTURE BASIN AND LEAK SWITCH CONNECTED TO BMCS.
41. LOCKABLE WALL, FILL BOX FOR TANK-1, EQUIPPED WITH SPILL CONTEINER, LEVEL DISPLAY, ALARM BELL, OVERFILL LIGHT AND PUSHBUTTON. PROVIDE QUICK COUPLING TANK CONNECTOR (FOR CONNECTION TO FUEL OIL DELIVERY TRUCKS) WHICH IS COMPATIBLE WITH THE FUEL DELIVERY VENDOR.
42. LOCKABLE WALL, FILL BOX FOR TANK-2, EQUIPPED WITH SPILL CONTEINER, LEVEL DISPLAY, ALARM BELL, OVERFILL LIGHT AND PUSHBUTTON. PROVIDE QUICK COUPLING TANK CONNECTOR (FOR CONNECTION TO FUEL OIL DELIVERY TRUCKS) WHICH IS COMPATIBLE WITH THE FUEL DELIVERY VENDOR.
43. VENT TANK FOR TANK-1 TERMINATED WITH VENT CAP AT 8' AFF.
44. VENT TANK FOR TANK-2 TERMINATED WITH VENT CAP AT 8' AFF.

ACCESSORIES:

A. VENT OVERFLOW SWITCH.
B. FIRE VALVE.
C. ANTI-SYPHON VALVE.
D. 6 WAY TANK MANUAL SELECTOR SURE-TITE FLANGE VALVE.
E. FUEL OIL PRESSURE CONTROL VALVE SET AT 150 PSI (ADJUSTABLE).
E. ALTERNATE INSTALLTION OF MANUAL ISOLATION SINGLE VALVE FOR TANK SELECTION.

NOTES :

1. ALL PUMPS, MOTORS, CONTROL PANELS SHALL BE SUITABLE FOR NEMA 1, DIVISION 2 INSTALLATION.
2. ALL CONCRETE PADS, STEEL SUPPORT BY GENERAL CONTRACTOR.
3. PACKAGED EMERGENCY GENERATOR SHALL BE SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR HOVEWER
   A. MUFFLER SHALL BE FURNISHED BY ELECTRICAL CONTRACTOR AND INSTALLED BY MECHANICAL CONTRACTOR.
   B. FLEX ENGINE EXHAUST CONNECTIONS SUPPLIED BY ELECTRICAL CONTRACTOR AND INSTALLED BY MECHANICAL CONTRACTOR.
   C. MUFFLER CONDENSATE TRAP SHALL BE SUPPLIED BY ELECTRICAL CONTRACTOR AND INSTALLED WITH DRAIN VALVE BY MECHANICAL CONTRACTOR.
4. PITCH ALL PIPING TOWARD TO THE OIL STORAGE TANK.
5. FOR DETAILS OF THE FUEL OIL TANK PIPING ARRANGEMENT SEE PLAN DRAWINGS.
6. PROVIDE REMOTE LEVEL INDICATOR AND LEVEL ALARM FOR THE OIL STORAGE TANK IN VIA BMCS.
7. PROVIDE REMOTE LEVEL INDICATOR AND LOW LEVEL ALARM FOR THE DAY TANK.
8. MECHANICAL CONTRACTOR SHALL PROVIDE MEANS OF SUPPORT AS REQUIRED TO SUPPORT UNDERGROUND FUEL OIL STORAGE TANK. STRUCTURAL ENGINEER SHOULD REVIEW AND APPROVE METHOD OF SUPPORT AND ANCHORING
9. THE INSTALLATION IS TO CONFORM TO LOCAL PETROLEUM BULK STORAGE REGULATIONS AND NATIONAL BOARD OF FIRE UNDERWRITERS CODES. A LOCAL STORAGE PERMIT SHALL BE OBTAINED PRIOR TO OCCUPANCY BY OWNER.
10. THE INSTALLATION OF FUEL OIL STORAGE TANK PUMP SET AND FUEL OIL PIPING SHALL COMPLY WITH THE LATEST CHAPTER OF BUILDING CODE AND SEISMIC REQUIREMENTS FOR NEW YORK STATE.

MEP ENGINEER

WSP
512 Seventh Avenue
New York, NY 10018
(212) 532-9600
www.wspgroup.com/usa

ARCHITECT

McGuire Group Architects,P.C
Healthcare Architecture
538 BROADHOLLOW ROAD, SUITE 201
MELVILLE, NY 11747
631 465 9700, FAX 631 465 9701

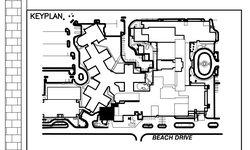
STRUCTURAL ENGINEER

TDM CONSULTING ENGINEER,PC
550 NORTH COUNTRY ROAD
SUITE E, ST. JAMES, NY 11780
TEL. (631) 686-5234, FAX (631) 590-1927

CIVIL ENGINEER

LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com
NEW JERSEY NEW YORK CONNECTICUT PENNSYLVANIA OHIO
VIRGINIA WASHINGTON DC FLORIDA NORTH DAKOTA CALIFORNIA
ABU DHABI ATHENS DOHA DUBAI ISTANBUL
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan Westchester LLC
Collectively known as Langan

KEYPLAN



SEAL

REVISIONS DATE DESCRIPTION

PROGRESS PRINT MAY 8, 2015

ISSUE	DATE	DESCRIPTION
4	12.04.17	CONSTRUCTION COST ESTIMATE
3	03.20.15	100% CD PROGRESS FOR REVIEW
2	12.31.14	85% CONSTRUCTION DOCUMENT
1	07.30.14	100% DESIGN DEVELOPMENT

OWNER

GOOD SAMARITAN HOSPITAL MEDICAL CENTER
1000 MONTAUK HIGHWAY
WEST ISLIP, NY 11795

PROJECT

ESSENTIAL ELECTRICAL SYSTEM UPGRADES

DRAWING NUMBER

M-520

DRAWING NAME

HVAC FUEL OIL RISER DIAGRAM OVERALL

DRAWING SCALE: 1/8"=1'-0"

DRAWING FILE: M-520.00

BINDING ORDER

FIRST ISSUE DATE: 5/28/14

Attachment 7

SCOPE OF WORK

EX. GEN	BUILDINGS	DEMOLITION NOTES	NEW WORK NOTES	ARCH RELATED
GENERATOR G1 750KW/937.5KVA 277V/480V	AUGUSTA HENES	1. REMOVE EXISTING EMERGENCY GENERATOR – G1 2. REMOVE EXISTING EMERGENCY FEEDER TO EXISTING FIRE PUMP (75 HP) 3. REMOVE AND REPLACE ALL EXISTING ATS'S AND OTHER EMERGENCY EQUIPMENT AS PER E215-AH.	1. PROVIDE 277/480V EMERGENCY POWER FROM NEW PARALLELING SWGR TO EXISTING FIRE PUMP. 2. PROVIDE NEW 277/480V FEEDER FROM NEW PARALLELING SWGR AND A NEW EMERGENCY DISTRIBUTION BOARD. 3. RE-ROUTING ALL EXISTING EMERGENCY LOADS TO NEW ATS/EMERGENCY DISTRIBUTION PANELS 4. PROVIDE LIFE SAFETY AND CRITICAL POWER TO MRI BUILDING. 5. PROVIDE WATER PROOF AT ALL CONDUIT PENETRATION AND OPENINGS TO PREVENT FLOODING. 6. PROVIDE NEW EMERGENCY EQUIPMENT TO REPLACE EXISTING TO FACILITATE THE WALL HARDENING. 7. PROVIDE NEW ATS TO REPLACE ALL EXISTING ATS'S.	1. HARDENING EXISTING ELEC CLOSET TO PREVENT FLOODING. 2. PROVIDE NEW SEPARATION WILL IN NORMAL ELEC DOOM TO SEPARATE EMERGENCY EQUIPMENT NORMAL
GENERATOR G2 600KW/750KVA 120V/208V	COURTYARD	1. REMOVE EXISTING GENERATOR AFTER ALL EXISTING LOAD BEING TRANSFERRED TO NEW SYSTEM, 2. REMOVE ALL EXISTING ATS'S AND ASSOCIATED EMERGENCY EQUIPMENT WITHIN THE COURTYARD GENERATOR ROOM.	1. PROVIDE 120/208V EMERGENCY POWER SUPPLY FROM NEW EMERGENCY POWER SYSTEM TO PROVIDE MINIMUM EMERGENCY POWER TO THE COURTYARD SWITCHGEAR ROOM (LIGHTING, EMERGENCY RECEPT. AND MISC. CONTROL POWER) 2. WATERPROOF SEAL ALL CONDUIT OPENINGS FOR THE BUILDING	1. PROVIDE NEW ELEC ROOMS ABOVE CCL/CHAPEL (COURTYARD EMERGENCY ANNEX) 2. PROVIDE HARDENING TO EXISTING COURTYARD BUILDING.
	BAXTER PAVILION (UPS-COMPUTER ROOM)	1. DISCONNECT AND REMOVE EMERGENCY POWER SUPPLY TO 100KVA UPS FROM COURTYARD CED-3.	1. PROVIDE 208V EMERGENCY POWER SUPPLY TO EXISTING 100KVA UPS FROM BAXTER BUILDING NEW EMERGENCY POWER SYSTEM.	1. NO ARCH WORK.
	ANNEX (RADIOLOGY AND ONCOLOGY)	1. DISCONNECT AND REMOVE EMERGENCY POWER FED FROM COURTYARD GENERATOR ROOM CED-4 2. REMOVE EXISTING ATS (150A) IN EXISTING MECH ROOM 3. REMOVE EXISTING ANNEX EMERGENCY EMDP 4. REMOVE EXISTING EMERGENCY MCC PANEL 5. DISCONNECT POWER TO ANNEX RESPIRATORY AREA EMDP (DPEM?)		1. PROVIDE NEW ELEC CLOSET ON TOP OF THE ANNEX BUILDING OR NO NEW ELECTRICAL ROOM NEEDED. POWER FOR THE ANNEX BUILDING TO BE FED OFF SOUTH BUILDING
	LINAC	1. DISCONNECT AND REMOVE EMERGENCY POWER SUPPLY FROM COURTYARD CED-3.	1. PROVIDE 480V EMERGENCY POWER SUPPLY FROM NEW POWER PLANT LIFE SAFETY DISTRIBUTION PANEL. 2. PROVIDE 480/120-208V STEP DOWN TRANSFORMER TO SERVE THE PRESENT LINAC BUILDING LOADS	1. NO ARCH WORK.
	CATH LAB (MAIN BUILDING)	1. DISCONNECT AND REMOVE EMERGENCY POWER SUPPLY TO X-RAY-1 FROM COURTYARD CED-2. 2. DISCONNECT AND REMOVE EMERGENCY POWER SUPPLY TO X-RAY-2 FROM COURTYARD ATS-4C.	1. PROVIDE EMERGENCY POWER TO X-RAY-1 FROM RADIOLOGY NEW EMERGENCY CLOSET. 2. PROVIDE EMERGENCY POWER TO X-RAY-2 FROM RADIOLOGY NEW EMERGENCY CLOSET. 3. PROVIDE EMERGENCY POWER TO CATH LABS3 FROM EXISTING SPARE ATS LOCATED ON RADIOLOGY ROOF.	1. NO ARCH WORK.
	ANGIOPLASTY (SOUTH BUILDING)	1. DISCONNECT AND REMOVE EMERGENCY POWER SUPPLY FROM COURTYARD CED-2.		
GENERATOR G3 400KW/500KVA 277V/480V	MRI	1. REMOVE EXISTING EMERGENCY GENERATOR – G3	1. PROVIDE 277/480V EMERGENCY POWER FROM NEW PARALLELING SWGR, AND A NEW 600A-277/480V EMERGENCY DISTRIBUTION BOARD 2. PROVIDE LIFE SAFETY POWER FROM A. HENES 3. PROVIDE ONE EMPTY CONDUIT FROM A HENIS FOR FUTURE CRITICAL LOADS.	NO NEW WORK
GENERATOR G4 460KW/575KVA 277V/480V	NORTH TOWER	1. REMOVE EXISTING EMERGENCY GENERATOR G4 AND EMERGENCY CONNECTION TO EXISTING EMDP-NT. 2. REMOVE EXISTING TEMPORARY GENERATOR CONNECTIONS.	1. PROVIDE 277/480V EMERGENCY POWER FROM NEW PARALLELING SWGR. 2. PROVIDE NEW ATS AND EQUIPMENT ON 6TH FLOOR TO REPLACE EXISTING	1. PROVIDE SEPARATION TO EXISTING EMERGENCY EQUIPMENT ON 6TH FLOOR.
GENERATOR G5 500KW/625KVA 120V/208V	POWER PLANT	1. DEMOLISH EXISTING GENERATOR AND ED1 –PART OF GENERATOR 2. DEMOLISH EXISTING EMERGENCY SWBD ED2 ON BOILER MEZZ LEVEL 3. DEMOLISH EXISTING ATS-B1 AND EXISTING ATS-B2 4. DEMOLISH EXISTING 208V/2400V STEP UP XFMR SERVING MAIN BLDG 5. REMOVE EXISTING CONDUITS ASSOCIATED WITH THE EXISTING EQUIPMENT TO BE REMOVED.	1. PROVIDE NEW 277/480V EMERGENCY FEEDER FROM THE NEW PARALLELING SWITCHGEAR WITH A 480/120-208V STEP DOWN TRANSFORMER 2. PROVIDE NEW 800A, 120/208V EMERGENCY DISTRIBUTION BOARD TO SERVE NEW ATS'S 3. PROVIDE THREE NEW ATS'S, (1) LS, (1) CR AND (1) EQ AND NEW ATS-B2 FOR THE CPC-1 COMPUTER PANEL. 4. PROVIDE NEW LS, CR AND EQ DISTRIBUTION PANEL BOARDS. 5. RE-ROUTING ALL EXISTING EMERGENCY LOADS TO THE APPROPRIATE NEW EMERGENCY PANEL BOARDS.	1. CONSTRUCT A NEW ROOM TO HOUSE THE NEW EQUIPMENT ON BOILER MEZZ LEVEL OR ON ROOF AREA, INCLUDING REQUIRED LTG, FIRE ALARM AND HVAC VENTILATION, FIRE PROTECTIONS.
	MAIN BUILDING	1. DEMOLISH SECTION OF EXISTING 2400V FEEDER (BOILER PLANT SIDE)	1. PROVIDE NEW 480/2400V STEP UP TRANSFORMER (AT NEW GENERATOR PLANT AREA) AND RUN NEW 2400V FEEDER CONNECTING TO THE EXISTING 2400V FEEDER SERVING MAIN BUILDING	1. PROVIDE A NEW SEPARATION ROOM FOR THE EXISTING TWO CRITICAL ATS'S ON THE 7TH FLOOR 2. PROVIDE NEW SEPARATE WALL FOR THE THREE EXISTING ATS –POSSIBLY RELOCATE ONE EQUIPMENT BRANCH ATS. 3. MAY INVOLVE SOME HVAC RE-PIPING WORK 4. PROVIDE TWO NEW EMERGENCY SERVICE ROOMS (EAST & WEST).
	BAXTER BUILDING	1. REMOVE EXISTING EMERGENCY FEEDER TO EXISTING ZENITH ATS	1. PROVIDE NEW 200A 120/208V EMERGENCY FEEDER FROM POWER PLANT NEW EMERGENCY DISTRIBUTION.	1. NO ARCH WORK
	BAXTER BUILDING (UPS-COMPUTER ROOM)	1. DISCONNECT EXISTING EMERGENCY POWER TO 100KVA UPS FROM POWER PLANT EM PANEL CRC-1.	1. PROVIDE NEW 208V EMERGENCY POWER SUPPLY TO EXISTING 100KVA UPS BYPASS INPUT.	1. NO ARCH WORK
GENERATOR G6 350KW/437KVA 277V/480V	RADIOLOGY	1. DISCONNECT EXISTING GENERATOR OUTPUT POWER TO EXISTING EMERGENCY POWER DISTRIBUTION BOARD "EDB"	1. PROVIDE 277/480V EMERGENCY POWER FROM NEW PARALLELING SWGR. 2. PROVIDE NEW CONNECTION FROM EXISTING GENERATOR G6 TO A MANUAL TRANSFER SWITCH SERVING SOUTH BUILDING.	1. NO ARCH WORK
GENERATOR G7 400KW/500KV 120V/208V	SOUTH BUILDING	1. REMOVE EXISTING EMERGENCY GENERATOR G-7 2. REMOVE EXISTING EMERGENCY DISTRIBUTION BOARD E-USSA 3. REMOVE TOTAL OF (5) EXISTING ATS (ATS-WT1, ATS-WT2, ATS-WT3, ATS-WT4, ATS-WT5) 4. REMOVE NORMAL & EMERGENCY POWER TO EXISTING ATS'S.	1. PROVIDE 277/480V EMERGENCY POWER FROM NEW PARALLELING SWGR. 2. PROVIDE NEW MANUAL TRANSFER SWITCH AND BACKUP EMERGENCY POWER FROM THE EXISTING RADIOLOGY GENERATOR G6 3. PROVIDE 480-120/208V STEP DOWN TRANSFORMER 4. PROVIDE NEW ELECTRICAL ROOM (ONE OR TWO) TO HAVE NEW EMERGENCY EQUIPMENT 5. PROVIDE MINIMUM (3) NEW ATS & ASSOCIATED EMERGENCY DISTRIBUTION PANELS 6. PROVIDE NORMAL POWER TO NEW ATS'S 7. PROVIDE RE-ROUTE EXISTING EMERGENCY LOADS TO NEW ATS/EDP	1. PROVIDE NEW ELECTRICAL ROOMS TO HOUSE NEW EMERGENCY EQUIPMENT
NEW GENERATOR SYSTEM-277/480V (3)-1500KW	SERVING ALL BUILDINGS	1. DEMO EXISTING UNDERGROUND UTILITIES. 2. DEMO EXISTING POWER TO EXISTING COTTAGE BUILDING	1. PROVIDE NEW GENERATOR SYSTEM CONSISTS OF THREE (3) 1500KW, 277/ 480V GENERATORS, PARALLELING SWITCHGEAR AND LOAD BANKS. 2. PROVIDE NEW EMERGENCY FEEDERS TO ALL THE EXISTING BUILDINGS AND TIE INTO EXISTING/MODIFIED EXISTING BUILDING EMERGENCY SYSTEM. 3. PROVIDE EMERGENCY POWER MONITORING SYSTEM FOR ALL ATS'S AND TIE TO THE EXISTING MEDISYS BMS SYSTEM. 4. PROVIDE POWER TO ALL ASSOCIATED MEP EQUIPMENT WITHIN NEW BUILDING. 5. PROVIDE LIGHTING AND FIRE ALARM COVERAGE FOR NEW BUILDING 6. PROVIDE LIGHTNING PROTECTION TO THE NEW BUILDING	1. PROVIDE FOR A EMERGENCY GENERATOR CENTRAL PLANT BUILDING WITH ALL THE MEP REQUIREMENTS.

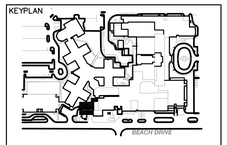
MEP ENGINEER
WSP
512 Seventh Avenue
New York, NY 10018
(212) 532-9600
www.wspgroup.com/usa

ARCHITECT
McGuire Group Architects,P.C.
Healthcare Architecture
538 BROADHOLLOW ROAD, SUITE 201
MELVILLE, NY 11747
631 465 9700, FAX 631 465 9701

STRUCTURAL ENGINEER
TDM CONSULTING ENGINEER,PC
550 NORTH COUNTRY ROAD
SUITE E, ST. JAMES, NY 11780
TEL. (631) 686-5234, FAX (631) 590-1927

CIVIL ENGINEER
LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com
NEW JERSEY NEW YORK CONNECTICUT PENNSYLVANIA OHIO
VIRGINIA WASHINGTON,DC FLORIDA NORTH DAKOTA CALIFORNIA
ABU DHABI ATHENS DOHA DUBAI ISTANBUL
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan International LLC
Collectively known as Langan

KEYPLAN



SEAL

REVISIONS DATE	DESCRIPTION

ISSUE	DATE	DESCRIPTION
4	12.04.17	CONSTRUCTION COST ESTIMATE
3	03.20.15	100% CD PROGRESS FOR REVIEW
2	12.31.14	85% CONSTRUCTION DOCUMENT
1	07.30.14	100% DESIGN DEVELOPMENT

OWNER
GOOD SAMARITAN HOSPITAL MEDICAL CENTER
1000 MONTAUK HIGHWAY
WEST ISLIP, NY 11795

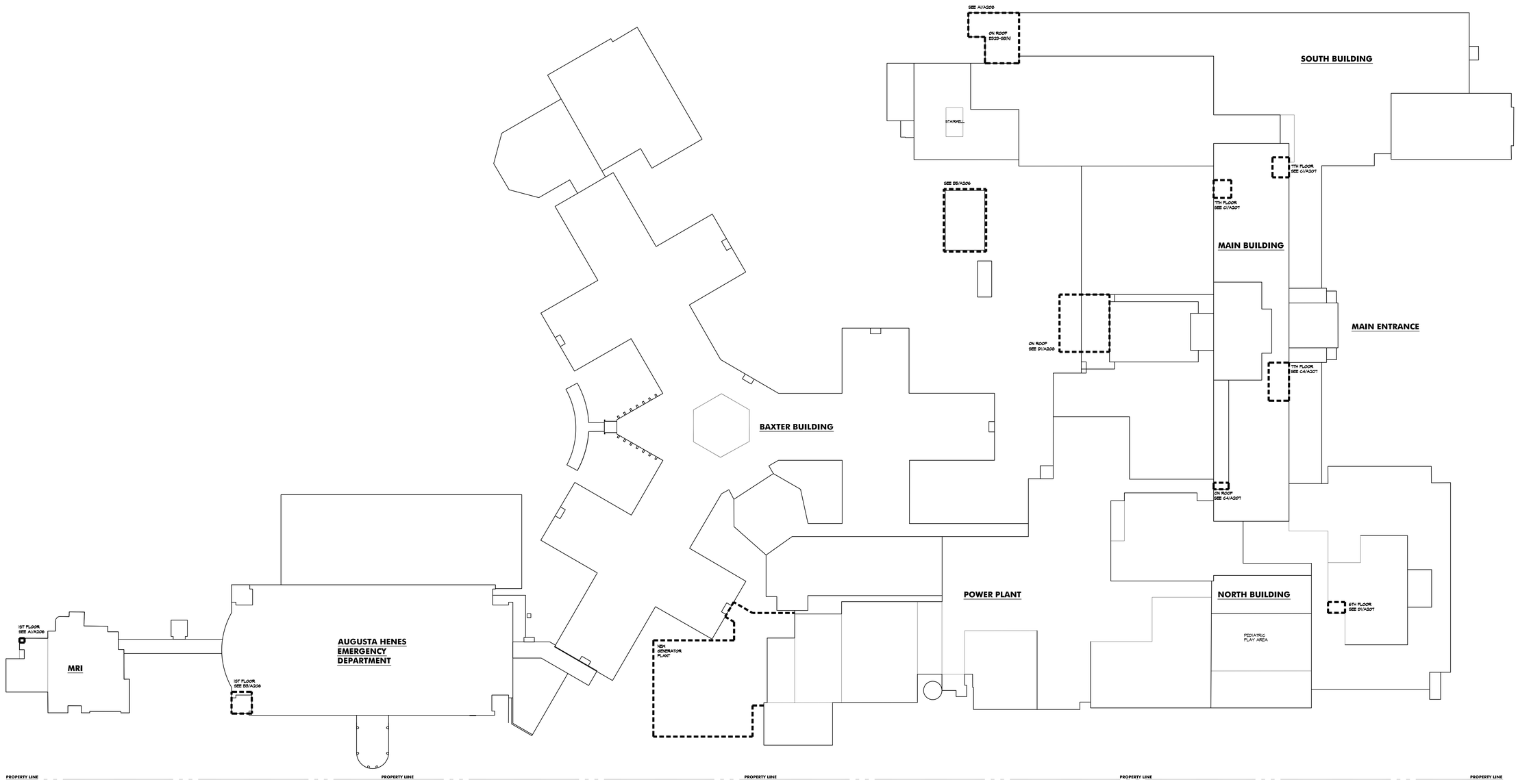
PROJECT
ESSENTIAL ELECTRICAL SYSTEM UPGRADES

DRAWING NUMBER
E005

DRAWING NAME
ELECTRICAL SCOPE OF WORK SUMMARY

DRAWING SCALE	DRAWING FILE
AS NOTED	GSHE005
BINDING ORDER	FIRST ISSUE DATE 5/14/14

Attachment 8



D1 LOCATION PLAN

NOT TO SCALE

N

MEP ENGINEER

WSP

512 Seventh Avenue
New York, NY 10018
(212) 532-9600
www.wspgroup.com/usa

ARCHITECT

McGuire Group Architects, P.C.
Healthcare Architecture
538 BROADHOLLOW ROAD, SUITE 201
MELVILLE, NY 11747
631 465 9700, FAX 631 465 9701

STRUCTURAL ENGINEER

TDM CONSULTING ENGINEER,PC
550 NORTH COUNTRY ROAD
SUITE E, ST. JAMES, NY 11780
TEL. (631) 686-5234, FAX (631) 590-1927

CIVIL ENGINEER

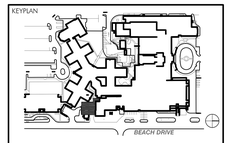
LANGAN

21 Penn Plaza, 350 West 31st Street, 8th Floor, New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com

NEW JERSEY NEW YORK CONNECTICUT PENNSYLVANIA OHIO
VIRGINIA WASHINGTON DC FLORIDA NORTH DAKOTA CALIFORNIA
ABU DHABI ATHENS DOHA DUBAI ISTANBUL

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan International LLC
Collectively known as Langan

KEYPLAN



SEAL

REVISIONS	DATE	DESCRIPTION
2	12.31.14	85% CONSTRUCTION DOCUMENTS
1	07.30.14	100% DESIGN DEVELOPMENT

ISSUE	DATE	DESCRIPTION

OWNER

GOOD SAMARITAN
HOSPITAL MEDICAL CENTER
1000 MONTAUK HIGHWAY
WEST ISLIP, NY 11795

PROJECT

TYPE 1 ESSENTIAL ELECTRICAL SYSTEMS UPGRADE

DRAWING NUMBER

A-100

DRAWING NAME

LOCATION PLAN

DRAWING SCALE	DRAWING FILE
AS NOTED	MGA019
BINDING ORDER	FIRST ISSUE DATE X/X/14

2014.12.31 NOT FOR CONSTRUCTION

Appendix E

NEW YORK STATE OF OPPORTUNITY. | Parks, Recreation, and Historic Preservation

ANDREW M. CUOMO
Governor

ROSE HARVEY
Commissioner

January 16, 2019

Alicia Shultz
Governor's Office of Storm Recovery
38 State St
Albany, NY 12207

Re: GOSR/ HUD CDBG-DR
Flood Mitigation Project, Good Samaritan Hospital
1000 Montauk Highway, West Islip/ Suffolk County.
19PR00037

Dear Ms. Schultz:

Thank you for requesting the comments of the New York State Historic Preservation Office (SHPO). We have reviewed the submitted materials in accordance with Section 106 of the National Historic Preservation Act of 1966. These comments are those of the SHPO and relate only to Historic/ Cultural resources. They do not include other environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the National Environmental Policy Act and/or the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8).

Based on this review, it is the opinion of SHPO that there will be No Historic Properties Affected by the proposed undertaking.

If I can be of further assistance, please contact me at (518) 268-2187 Larry.moss@parks.ny.gov

Sincerely,

LMoss

Larry K Moss, Historic Preservation Technical Specialist

CC: Brad Stevens & Sheila Hascall, DHSES

Governor's Office of
Storm Recovery

ANDREW M. CUOMO
Governor

January 2, 2019

Mr. Larry Moss
Historic Preservation Technical Specialist
New York State Office of Parks, Recreation and Historic Preservation
Division of Historic Preservation
Peebles Island
P.O. Box 189
Waterford, New York 12188-0189

Re: Section 106 Compliance for Good Samaritan Hospital Flood Mitigation Project, 1000 Montauk Highway, West Islip, New York 11795

Dear Mr. Moss:

Pursuant to the Disaster Relief Appropriations Act, 2013 (Public Law 113-2) and the Housing and Community Development Act (42 U.S.C. § 5301 et seq.), the Governor's Office of Storm Recovery (GOSR), an office of New York State Homes and Community Renewal's Housing Trust Fund Corporation as a recipient of Community Development Block Grant – Disaster Recovery ("CDBG-DR") funds from the United States Department of Housing and Urban Development ("HUD"), is serving as the entity responsible for compliance with the HUD environmental review procedures set forth in 24 CFR Part 58. GOSR is acting on behalf of HUD in providing the enclosed project information and request for consultation.

GOSR processes environmental reviews for projects funded with HUD CDBG-DR on a case by- case basis. In accordance with Section 106 of the National Historic Preservation Act (NHPA) of 1966, as amended (54 U.S.C. §306108), and its implementing regulations, 36 Code of Federal Regulations (CFR) Part 800, this letter serves as notification of the proposed action.

Catholic Health Services of Long Island and Good Samaritan Hospital applied CDBG-DR funding for disaster recovery projects. Funding will be delivered through the NY Rising Infrastructure Program, within GOSR.

Purpose and Need

The current construct of the emergency electric generators at the Good Samaritan Hospital is one generator per building. When a generator fails no power is available to that building. Centralizing power means that in the less likely event that a large new generator was to fail, power would be lessened but manage by firing the third and redundant of the large generators. Re-wiring the building allows the direction and re-direction of power to the building that need it most. The emergency generator building will be located adjacent to the existing hospital. The generators will provide increased capacity and will be protected from a category 2 hurricane. This project will eliminate the need to relocate patients during future storms. This will keep the facility open during storms instead of having to evacuate the facility and putting the elderly and the patients at an even greater risk. During Superstorm Sandy and Hurricane Irene, Good Samaritan Hospital experienced a complete loss of power from

Long Island Power Authority, the public utility which provided electrical service to the hospital prior to 2014 (power is now provided through PSEG on Long Island).

Area of Potential Effect: This project will involve demolition of an existing structure (home) adjacent to the existing power plant and Baxter Building at 175 Beach Drive, West Islip, New York (see sheet E-010 and M-200 uploaded to CRIS). The structure is greater than 50 years old and is in disrepair and the costs of repair are not justified. The structure is currently used for administrative purposes. A new emergency power generator building will be constructed at the location of the demolition with a surface area of approximately 4,775-square feet and total square footage, including all three floors, of 14,325 square feet and final finished floor elevation of 8.19 above mean sea level which is at or below the elevations the surrounding and adjacent buildings. The areas to be removed are shown in sheet DM-001 uploaded to CRIS.

Other areas to be disturbed and removed include asphalt, concrete and metal stairs associated with walkways and underground storage tanks (UST).

Proposed Project Description: Catholic Health Services will replace seven existing generators with three large generators in a new emergency generator building creating centralized projection of emergency power generation. To achieve this goal, facilities will need to be re-wired to maximize the efficiency of the emergency generators. Existing generators and associated USTs will be removed.

This project will involve demolition of an existing structure (home) adjacent to the existing power plant and Baxter Building. The existing building is in disrepair and the costs of repair are not justified. The structure is currently used for administrative purposes. The new emergency power generator building will be constructed at the location of the demolition. Work will include demolition and required utility relocation in the proposed new emergency generator area. A complete electrical system will be required for the new emergency generator building, including power, lighting and fire alarm system. A new emergency generator system will be installed including three (3) 1500KW generators, paralleling switchgear, transformer, automatic transformer, automatic transfer switches (ATS) and emergency distribution equipment.

Normal power will be provided to all emergency automatic transfer switches (ATS) in the new emergency generator building from the existing power plant. New emergency distribution from the new emergency generator system to all campus buildings will be provided. The distribution will include a complete raceway system, including underground duct bank, roof conduits, interior conduits installed above existing ceiling spaces, and vertical conduits attached to the existing building façade.

The project will include separation of emergency power life safety branch, critical branch and equipment branch at panel board branch circuit level for the entire campus. Specific construction elements are discussed below.

Emergency Generator Building

A new three-story emergency generator building will be constructed to house the generators. The building will be a total of 14,325 square feet (including three floors). Corridors will provide connection to the existing boiler plant and Baxter building. The finish will be concrete floors with concrete masonry partitions. Floor drains also will be installed.

The top floor will have two switch rooms with 4” concrete pads under the transfer switches, a 4” pad under transformers and switches in the transformer room. Three active diesel particulate filters with metal grating

platform for each generator will be located on the top floor as well as a filter room. These filters will ensure low emissions from the diesel generators.

Site preparation includes disturbance of a small area of lawn and removal of three trees, a fence, curbs, concrete and asphalt surrounding the area of new emergency generator building, and metallic stairs as shown in Attachment sheet DM-001 and DM-002. After construction, site restoration will include restoration of lawn and replacement of curbs, concrete and asphalt surrounding the area of the new emergency generator building (See sheets C-201 and C-202 uploaded to CRIS). Utilities will be re-routed as required which requires trenching in existing previously disturbed areas.

Four-inch concrete pads will be constructed for the placement of the three generators. The generators are 1500KW, 277 / 480V generators.

Underground Storage Tanks

Two new 20,000-gallon diesel double walled fiberglass underground storage tanks (UST) will be installed adjacent to the new emergency generator building, 9.2 feet away from the nearest building. The UST will be buried and located on a 30-inch concrete hold down pad with eight hold down straps. The tank is equipped with leak detection and two manhole covers surrounded by a reinforced concrete pad (see sheet M-601 uploaded to CRIS).

MRI Electrical Room

The existing electrical room will be upgraded to include a new emergency electrical service panel. Interior electrical upgrades will require wall and ceiling penetrations and patching.

Main West Building – Construction date 1959

The electrical systems in the 7th floor electrical room will require wall and ceiling penetrations and patching. Roof modifications will also be required.

South Building

The first-floor electrical room in the South Building will require installation of electrical and the walls will need to be penetrated and finished. The second-floor electrical room in the South Building will require installation of electrical and HVAC and the walls will need to be penetrated and finished. The electrical equipment will be installed on the roof of the South Building.

Court Yard

The Court Yard building will be retrofitted as the courtyard emergency annex. The annex will serve as an electrical room and will equipped with a fan room and bathroom on the first floor and electrical room and emergency electrical room on the second floor.

Drainage

All storm will be directed to the existing onsite storm water drainage system consisting of storm sewers, drainage ways and catch basins.

Request for Comment: The purpose of this letter is to initiate consultation pursuant to Section 106 of the NHPA per the implementing regulations at 36 Code of Federal Regulations (CFR) Part 800. GOSR respectfully requests your review of the proposed project described herein. If you have any questions or require additional information regarding this request, please feel free to contact me at (518) 474-0647 or via email at alicia.shultz@nyshcr.org. Thank you for your time and consideration.

Sincerely,

Alicia Shultz
Senior Environmental Scientist
Bureau of Environmental Review and Assessment
Governor's Office of Storm Recovery

Uploaded to CRIS:
Project Location Maps
Site Photographs
Sheets: C-201, C-202, D-001, D-002, E-010, M-200, M-601