



NY Rising Housing Recovery Program Bulkheads Explained

February 6, 2014

Eligible bulkheads proposed for this program must protect improvements to damaged properties that are already in the housing program and received reimbursement or repair awards from NY Rising, and that are adjacent to canals, bays and rivers.

Damage to older bulkheads which were at the end of their useful life at the time of the eligible storm events typically consisted of undermining of structural elements and loss of fill material draining through rotted sheeting at the toe and tidal zone of the wall.

Damage to newer bulkheads can typically consist of scour on the inland side of the wall due to wave overtopping and tidal action during the storm event. This condition may lead to the exposure of tiebacks and can weaken the structure from behind. Damage to the underlying anchoring system such as tieback rods or deadmen may contribute to wall misalignment and affect the stability of the structure

Some telltale signs of deterioration of the structure are:

- Tilting tipping or other movement of the structure towards the water
- Uneven settlement of fill or sinkholes at the top of the wall
- Visible signs of cracks or separation of the sheeting boards
- Deck or patio level settlement
- Adjacent pavers sinking & uneven
- Wall sagging, wavy, cracked or disintegrating
- Fissures or cracked earth in the yard adjacent to the wall

If you feel your bulkhead is damaged as described above, and are part of either the reimbursement or repair program, please submit an engineer's estimate of the required repairs to your bulkhead to your Customer Representative.

The Program will review your request and confirm that the bulkhead estimate when combined with all other repairs and reimbursements is less than your award cap. An initial payment of 50% plus the cost of the engineer's report will be made, with the remaining 50% paid after the Program to confirm the work has been completed.

Minor repairs such as replacement of small areas of sheeting, or surface repairs may be completed from the shore and will likely not require heavy equipment. Major repairs such as replacement of structural elements such as soldier piles, beams and or removal/replacement of earth will require both heavy equipment and extensive engineering and design.

Permits are typically required for repair or replacement of Bulkheads.

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