

STAMSKI AND MCNARY, INC.

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JOSEPH MARCH, P.E., P.L.S.
GEORGE DIMAKARAKOS, P.E.

October 24, 2017

Stow Zoning Board of Appeals
380 Great Road
Maynard, MA 01754

Re: Pine Point Comprehensive Permit Habitat for Humanity

Dear Board Members,

On behalf of our client, Habitat for Humanity, our office has made the following revisions to the Site Plan for Map U-1, Parcel 41, Pine Point Road in Stow, Massachusetts (3 sheets) dated October 2, 2017 and last revised October 24, 2017 based on the review letter from Places Associates, Inc. dated October 16, 2017 as follows:

1. No response needed.
2. The Operations and Maintenance Manual shall be incorporated into the Homeowner's Association documents.
3. A condition for the installation and maintenance of roof gutters can be included in the Board's Decision.
4. The StormTech Drywell detail comes from the manufacturer. From their website, "StormTech chambers are designed in accordance with Section 12.12 of the American Association of State Highway and Transportation Officials (AASHTO) LRFD Bridge Design Specifications. This document establishes requirements for design of profile wall thermoplastic structures for both live loads and permanent earth loads. Proper use of the AASHTO design method requires that load multipliers for impact and multiple presences are applied to the AASHTO design truck (HS20) live load. Additional factors are applied to the load and earth loads to provide the full safety factors for both live and earth loads."
5. The proposed retaining walls are proposed as modular blocks. The construction and design of these walls will be handled during the building permit phase. The sewer force main has been slightly relocated to avoid crossing the proposed retaining wall.
6. Any trees likely to be adversely impacted by the proposed retaining walls shall be removed during the initial land clearing process.
7. A temporary construction entrance and detail are now shown on the plan. The soil along the slope is not sand and gravel but sandy loam. A diagonally placed waddle along the proposed slope is now proposed to direct runoff from the hill into a temporary sediment basin. This, along with the double row of siltation barriers around the perimeter of the site, will be sufficient for heavy rain events.

8. A note on the plan specifies the seed mix to be used on the sloped portion of the site as "New England Erosion Control/Restoration Mix for Dry Sites". Jute netting is proposed over the 6" of loam and hydroseed, in accordance with the "Slope Stabilization Detail".
9. Please see attached Phasing Plan
 - a.) Volunteers will park in safe, legal spaces on the road, or at the Pine Bluff Recreational Area a quarter mile south of the site on Sudbury Road.
 - b.) Materials will be temporarily stockpiled on site and removed as necessary during construction.
 - c.) See attached Phasing Plan
 - d.) The northeast corner of the property is now designated as an area for the Construction Trailer on Sheet 3. Construction materials will be temporarily stored on site in areas as needed.
 - e.) The retaining wall proposed along Pine Point Road will be constructed from within the site. A small construction road will be built up behind the proposed wall, and built from the high end to the low end. It will be incrementally backfilled as it is built. The wall is proposed as modular block.
 - f.) When the footings are excavated, shoring will be used if the slope leading up to the excavation is steeper than 2:1.
 - g.) The excavating contractor will be responsible for the erosion control and overall site organization. There will also be a Construction Manager who will oversee all the work, and can be contacted by Town Officials at any time.

Thank you for your attention to this matter. Please contact our office if there are questions.

Regards,

Stamski and McNary, Inc.


Daniel Carr E.I.T.


George Dimakarakos, P.E.