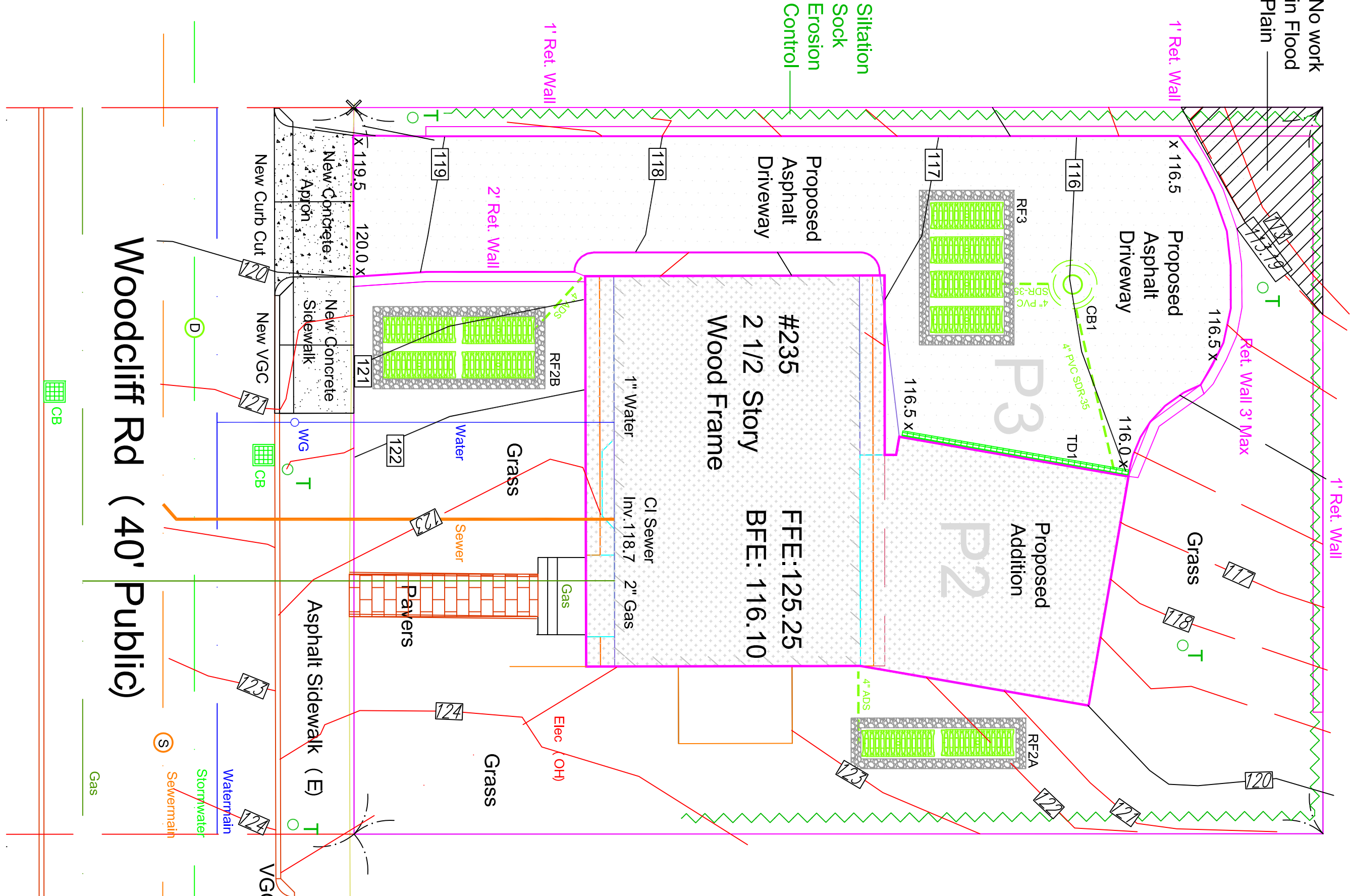
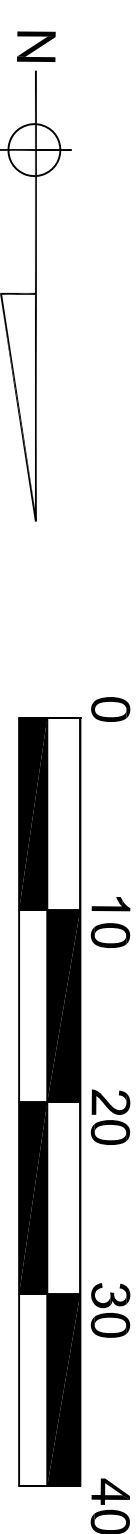


Existing Conditions Plan 1:10

Lot Area: 7500sf
 ImperVIOUS: 1556sf
 (1243sf Roof + 313sf Driveway)
 PervIOUS: 5944sf
 No Stormwater Recharge System in place



Proposed Conditions Plan 1:10

Lot Area: 7500sf
 ImperVIOUS: 3664sf
 (1804sf Roof + 1734sf Driveway)
 PervIOUS: 3972sf

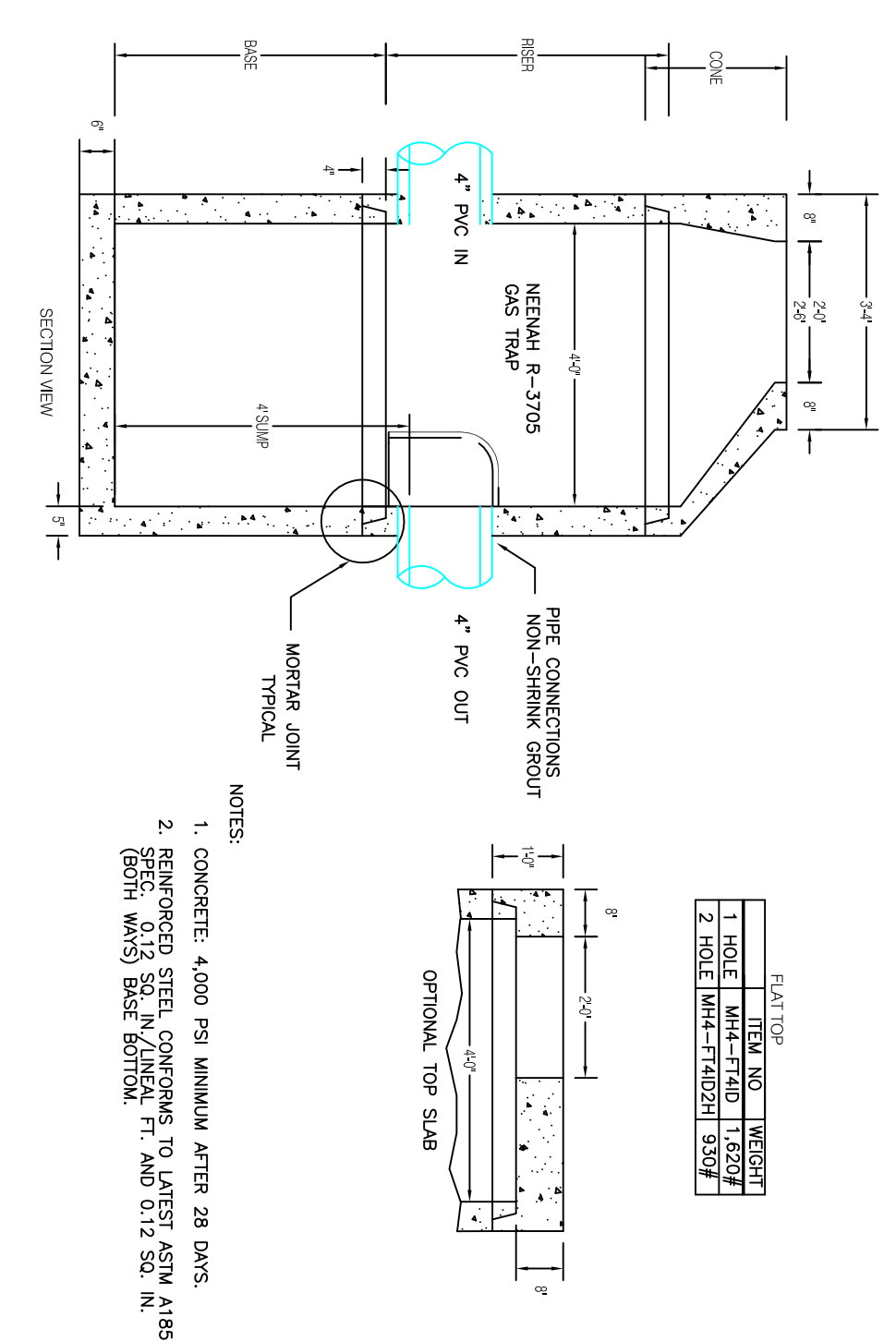
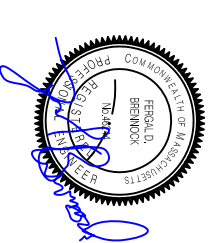
CB-1 Rim: 116.0
 4" PVC In TD: 113.5
 4" PVC Out RF3: 113.3
 Sump: 109.3

TD-1 Rim: 116.5/116.0
 4" PVC Out CB-1: 115.5

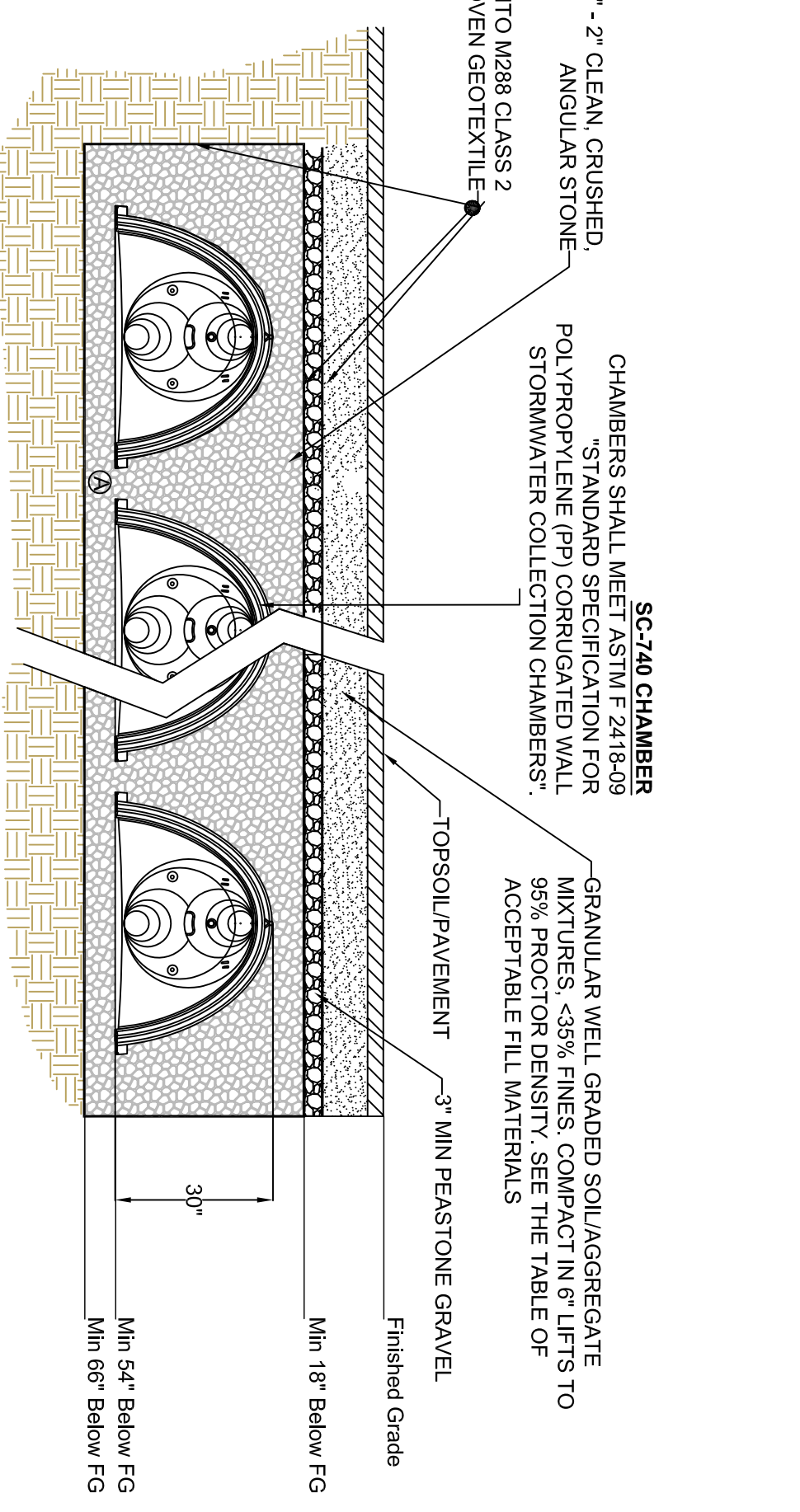
RF3: 4" PVC In: 113.0
 Top of Stone: 110.5

RF2A: 4" ADS In: 119.0
 Top of Stone: 116.5

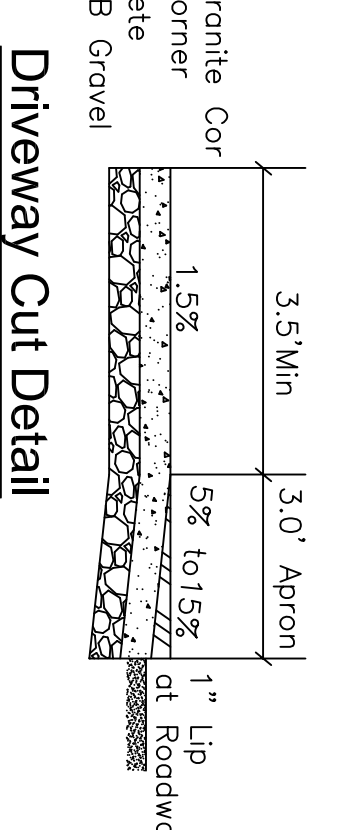
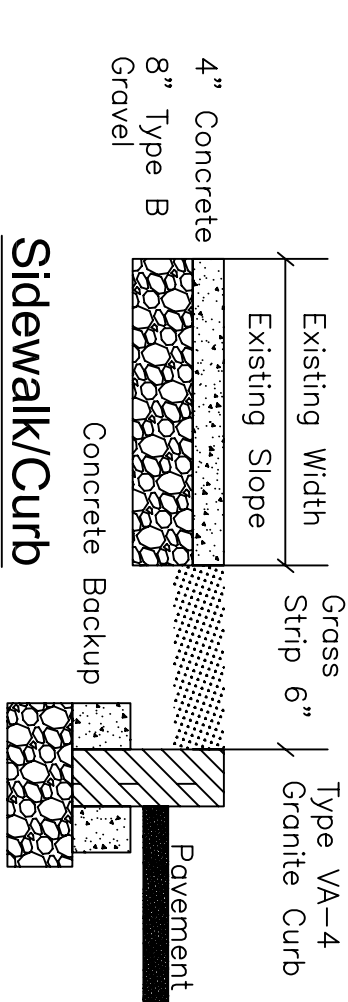
RF2B: 4" ADS In: 121.0
 Top of Stone: 118.5



CB-1 Catch Basin with 4" Sump and Gas Hood



Stormtech SC-740 Recharge Chamber



NOTES:

- Refer to June 16, 2016 Plot Plan by Franthrop Survey Associates for Property Information, Setbacks, Area and Dimensional requirements and Erosion Prevention.
- The purpose of this plan is to depict the proposed Site Layout and Stormwater Management System.
- There is no change to the existing utilities.
- Perforation rate is assumed and derived from NCCSS (National Cooperative Soil Survey) data, actual percolation and infiltration rates will be established via test pits in accordance with Title V within 25' of the proposed system.

Hewlett:

- Concrete Mix: 4000psi, 1" stone, 2% bit sandpack per cubic yard
- Asphalt patches shall have a minimum depth of 5' or match existing road depth
- All curbing and sidewalk work shall be inspected by the DPW prior to pouring Water & Sewer.

There is no change to existing water and sewer services on the site. Stormwater.

The recharge chambers are designed from HydroCAD modeling attached to this submission. 7' in 24ins. Type II Storm (US SCS)

General:

All trench excavation contractors shall comply with MA General Laws Chapter 82A, Trench and Excavation Safety Requirements to protect the general public from unauthorized access to unattended trenches. Trench Excavation Permit required. This applies to all trenches on public and private property.

All tree removal shall comply with the City's Tree Ordinance

The contractor is responsible for contacting the Engineering Division and scheduling an appointment 48 hours prior to the date when the utilities will be made available for an inspection of water services, sewer service and drainage system installation. The utility in question shall be fully exposed for the inspector to view, backfill shall only take place when the City's Inspector has given their approval.

The applicant will have to apply for a Building Permit with the Department Inspectional Services prior to any construction. Prior to Occupancy Permit being issued an As-built Plan shall be submitted to the Engineering Division in both digital format and in hard copy. The plan shall also include profiles of the various new utilities, indicating rim and invert elevations, limits of restoration work. The plan shall also include profiles of the various existing utilities, indicating rim and invert elevations, slopes of pipes, pipe material and swing ties from permanent building corners.

All Site work including trench restoration must be completed before a Certificate of Occupancy is issued.