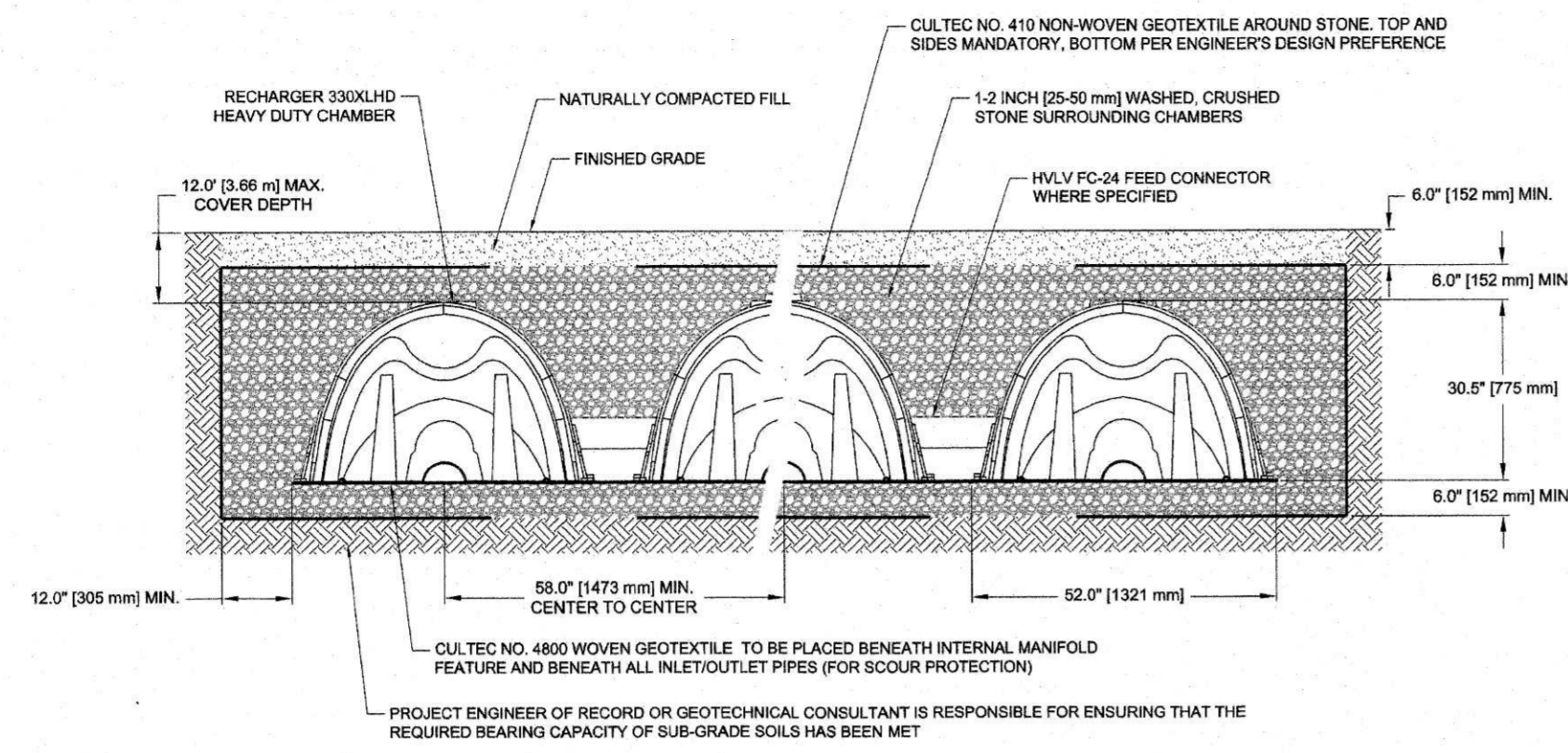


Soil Test Pit Data  
 Soil Evaluator: Thorsen Akerley  
 Date of Testing: June 7, 2023

TP 23-1  
 Elev. = 77.0±

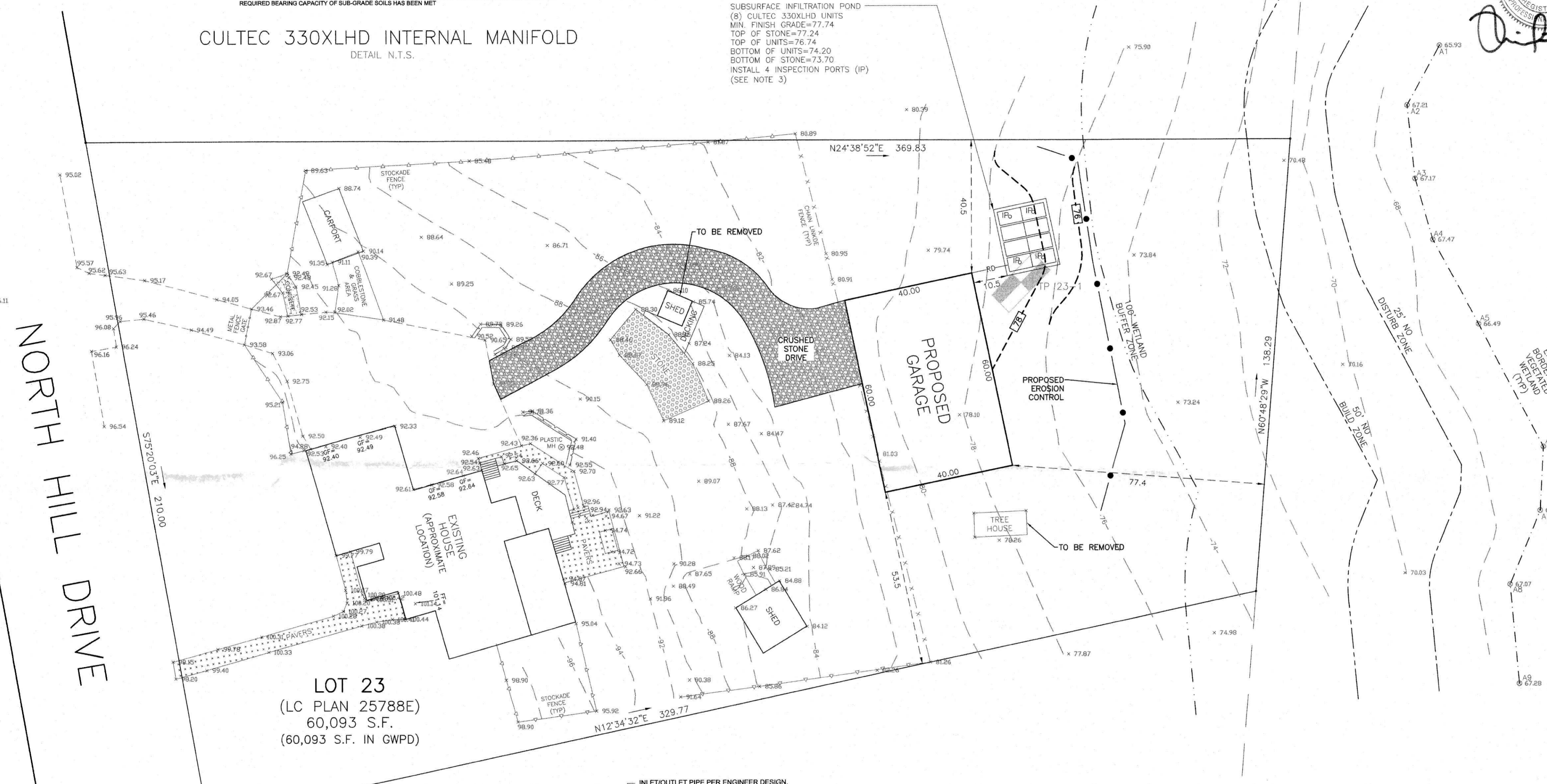
0-13" A	FSL	10YR 3/2
13-26" Bw	FSL	10YR 6/8
26-32" Cd	Md.S	5Y 5/3
32-64" C	Md.S	5Y 5/3

No ESHWT observed

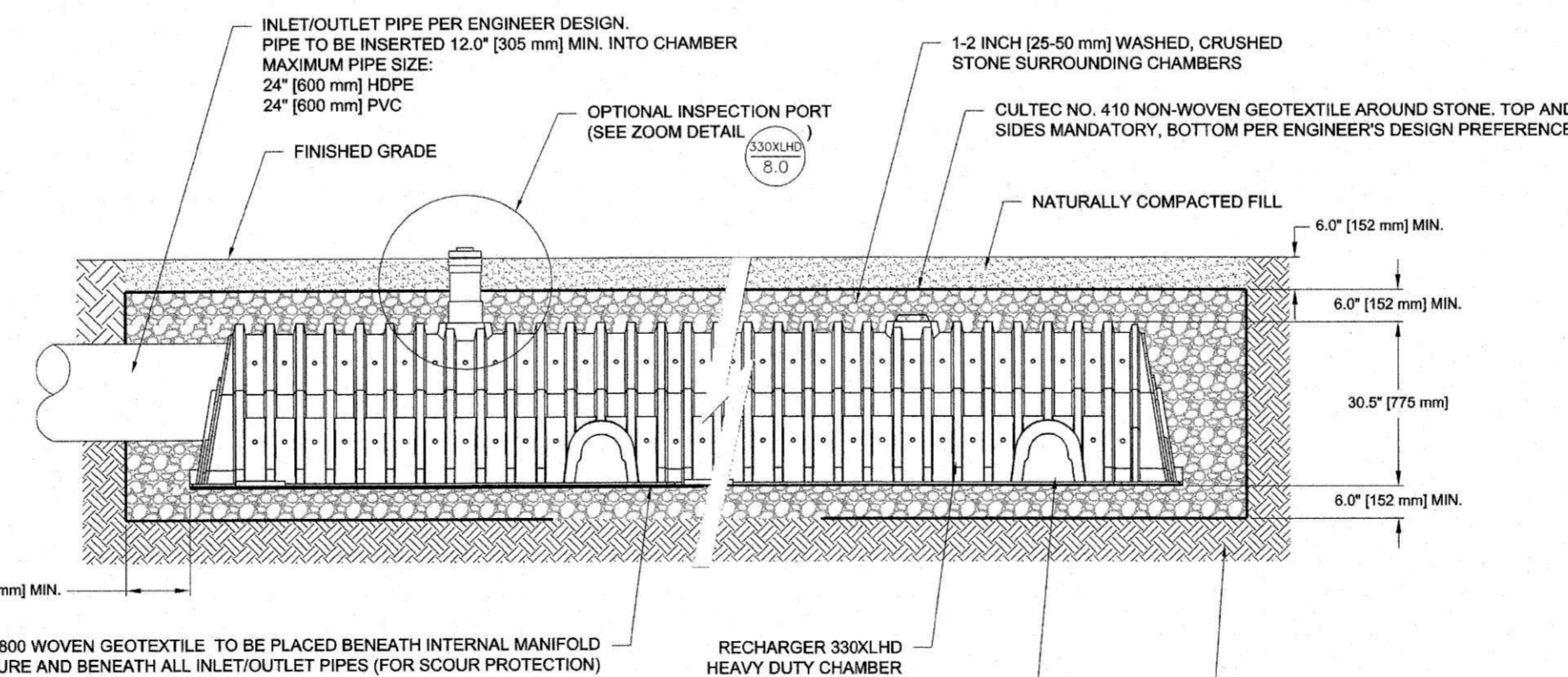


CULTEC 330XLHD INTERNAL MANIFOLD  
 DETAIL N.T.S.

SUBSURFACE INFILTRATION POND  
 (8) CULTEC 330XLHD UNITS  
 MIN. FINISH GRADE=77.74  
 TOP OF UNITS=77.24  
 BOTTOM OF UNITS=74.20  
 BOTTOM OF STONE=73.70  
 INSTALL 4 INSPECTION PORTS (IP)  
 (SEE NOTE 3)



LOT 23  
 (LC PLAN 25788E)  
 60,093 S.F.  
 (60,093 S.F. IN GWPD)



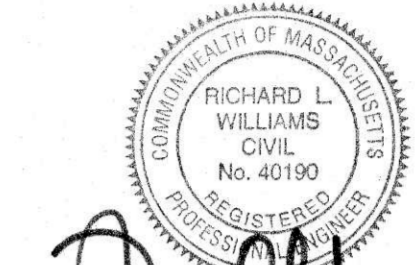
CULTEC 330XLHD CROSS SECTION  
 DETAIL N.T.S.

# PROPOSED PLOT PLAN

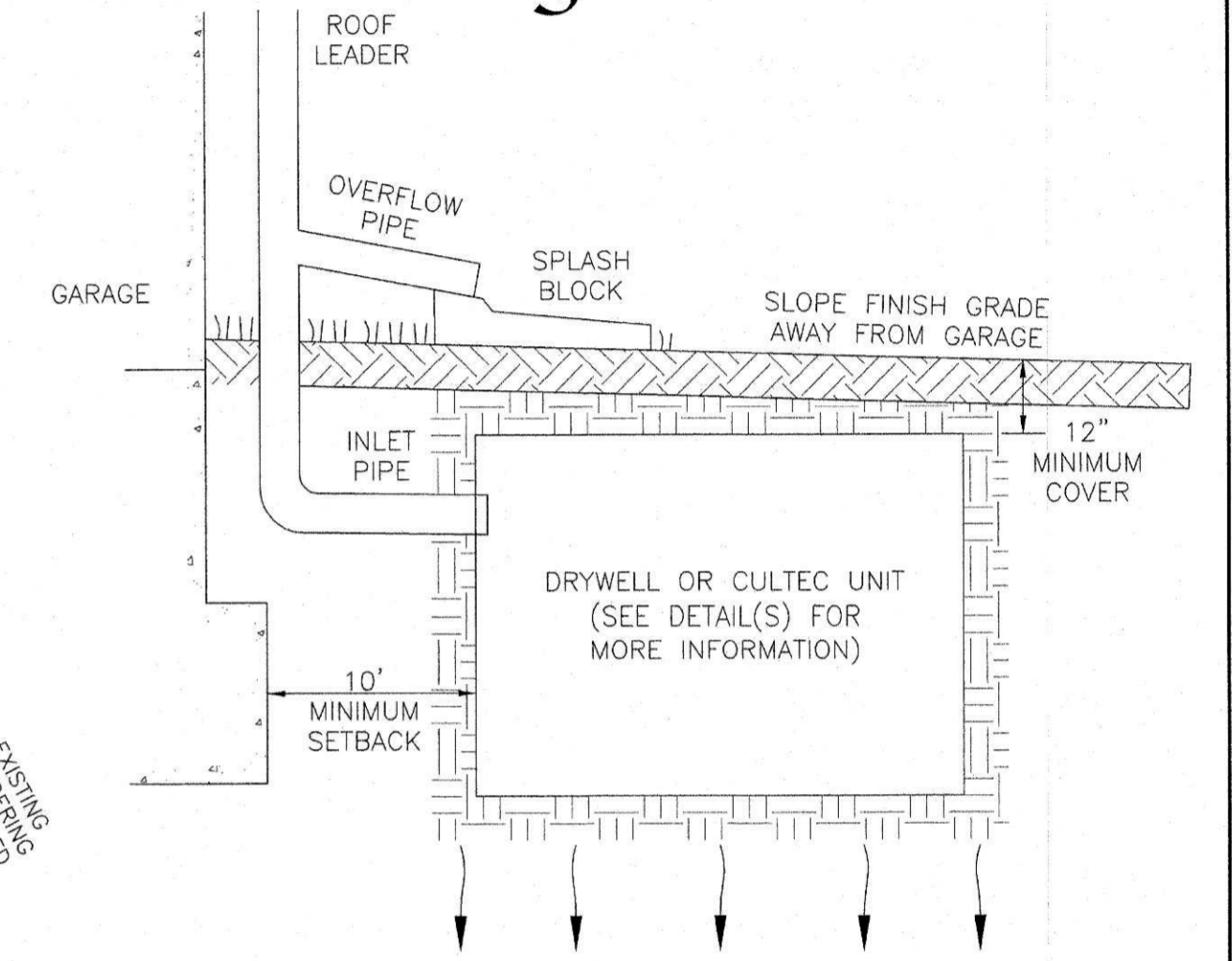
## 29 NORTH HILL DRIVE

### LYNNFIELD, MA

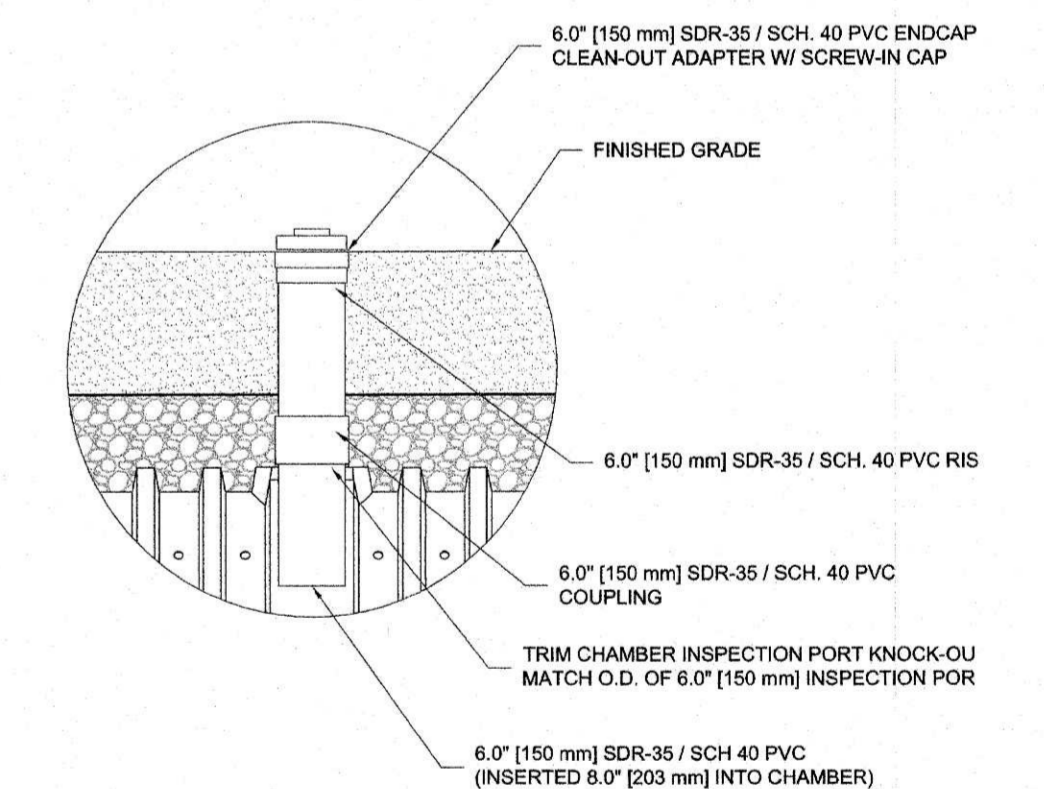
SCALE: 1" = 20'  
 DATE: JULY 6, 2023



**WILLIAMS & SPARAGES**  
 ENGINEERS | SCIENTISTS | SURVEYORS  
 189 NORTH MAIN STREET  
 SUITE 101  
 MIDDLETON, MA 01949  
 PHONE: (978) 539-8088  
 FAX: (978) 539-8200  
 WSENGINEERS.COM



PROPOSED ROOF LEADER OVERFLOW DETAIL  
 DETAIL N.T.S.



INSPECTION PORT DETAIL  
 DETAIL N.T.S.

ZONING DISTRICT: RD

MINIMUM LOT AREA = 60,000 S.F.  
 MINIMUM LOT FRONTAGE = 210 FEET  
 FRONT YARD SETBACK = 40 FEET  
 (OR 60 FROM STREET CENTER LINE)  
 SIDE YARD SETBACK = 30 FEET  
 REAR YARD SETBACK = 20 FEET  
 MAXIMUM IMPERVIOUS IN GWPD = 9,013 S.F.\*  
 PROPERTY IS IN THE GROUNDWATER PROTECTION DISTRICT.  
 \*15% OR 2,500 S.F. OF ANY LOT, WHICHEVER IS GREATER

NOTES:

- ALL ELEVATIONS SHOWN ARE ON AN ASSUMED DATUM.
- EXISTING TOPOGRAPHY SHOWN IS THE RESULT OF AN ACTUAL INSTRUMENT SURVEY CONDUCTED BY WILLIAMS & SPARAGES LLC ON MAY 12, 2023.
- INSPECTION PORTS AND MONITORING WELL TO BE RAISED TO GRADE. IF INSPECTION PORTS AND MONITORING WELL ARE NOT RAISED TO GRADE AN AS BUILT SHALL BE PROVIDED BY CONTRACTOR WITH TIES FROM THE HOUSE TO THE INSPECTION PORTS AND MONITORING WELL FOR FUTURE MAINTENANCE.
- THE INSTALLATION OF THE ROOF DRAINAGE SYSTEM SHALL BE INSPECTED BY THE TOWN ENGINEER WHEN 1) EXCAVATED TO SUBGRADE, 2) WHEN INSTALLATION IS COMPLETE BUT PRIOR TO BACKFILLING AND 3) WHEN BACKFILL AND PIPING IS COMPLETE.

	EXISTING IN GROUNDWATER PROTECTION DISTRICT	PROPOSED IN GROUNDWATER PROTECTION DISTRICT
IMPERVIOUS AREAS (HOUSE & DRIVEWAY)	6,895± S.F.	9,295± S.F.
PATIOS & WALKS	2,042± S.F.	2,042± S.F.
TOTAL	8,937± S.F. (14.9%)	11,337± S.F. (18.9%)

RECEIVED  
 2023 JUL -9 P 1:01  
 TOWN CLERK'S OFFICE  
 LYNNFIELD, MA