





**GENERAL NOTES:**

- REFER TO ADDITIONAL NOTES ON SHEET C-1, SITE PREPARATION PLAN ON SHEET C-2, AND DETAILS ON SHEET C-4.
- REFER TO THE SOIL PROFILES ON SHEET C-2 AND THE TEST PIT REPORT FOR ADDITIONAL SOIL INFORMATION.
- REFER TO PLANS PREPARED BY LAND MAPPING, INC. FOR EXISTING AND PROPOSED SETBACKS.
- ELEVATIONS ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- RIVERFRONT BUFFERS PRESENTED HEREON WERE APPROXIMATED BY OTHERS.
- IF CONDITIONS DO NOT MATCH INFORMATION (EX. LEDGE, GW ELEVATIONS, SURVEY DISCREPANCIES, ETC.) CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY.
- ALL GUTTERS DRAINING TO INFILTRATION SYSTEM SHALL HAVE DEBRIS GUARDS. NOTE: ALL DOWNSPOUTS MAY NOT BE SHOWN.
- CONTRACTOR SHALL ENSURE MIN. 1% SLOPES ON ALL PIPES TO THE INFILTRATION SYSTEM. ALL BENDS AND CONNECTIONS SHALL BE PERFORMED WITH 45° BENDS OR WYE FITTINGS.
- GRADE ALL LAND AWAY FROM DWELLING 5% MIN. FOR THE FIRST 10 FEET.
- CONTRACTOR SHALL OBTAIN APPROVAL, FROM THE ENGINEER, ANY DEVIATIONS TO THIS PLAN.
- CONTRACTOR TO COORDINATE WITH THE TOWN OF READING FOR PERMITTING. THIS PLAN DOES NOT CONSTITUTE A PERMIT.
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, REGULATIONS AND SAFETY CODES IN THE CONSTRUCTION OF ALL IMPROVEMENTS.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AND ALL CONSTRUCTION MEANS AND METHODS.
- PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE SITE AND CONSTRUCTION DOCUMENTS TO DEVELOP A THOROUGH UNDERSTANDING OF THE PROJECT, INCLUDING ANY SPECIAL CONDITIONS AND CONSTRAINTS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PROJECT SITE AND TO VERIFY ALL CONDITIONS IN THE FIELD AND REPORT DISCREPANCIES BETWEEN PLANS AND ACTUAL CONDITIONS TO THE OWNER OR OWNER'S REPRESENTATION IMMEDIATELY.
- THE CONTRACTOR SHALL CONDUCT ALL NECESSARY NOTIFICATIONS AND APPLY FOR AND OBTAIN ALL NECESSARY CONSTRUCTION PERMITS.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE ESTABLISHMENT AND USE OF ALL VERTICAL AND HORIZONTAL CONSTRUCTION CONTROLS.
- THE BUILDING LOCATION INFORMATION SHOWN ON THE PLAN PROVIDES THE POSITION AND ORIENTATION OF THE BUILDING. REFER TO THE STAMPED PLOT PLAN, AND THE ARCHITECTURAL AND/OR STRUCTURAL DRAWINGS FOR BUILDING AND FOUNDATION DIMENSIONS, INCLUDING BUILDING OVERHANGS AND AREAWAYS. THE CONTRACTOR SHALL VERIFY BUILDING AND FOUNDATION DIMENSIONS WITH THE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO FOUNDATION CONSTRUCTION.
- THE CONTRACTOR SHALL COORDINATE NEW GAS AND ELECTRICAL LOCATIONS WITH THE APPROPRIATE UTILITY COMPANIES.
- TREE AND PLANTING INFORMATION PRESENTED HEREON IS BASED ON DIRECTION PROVIDED BY OTHERS.

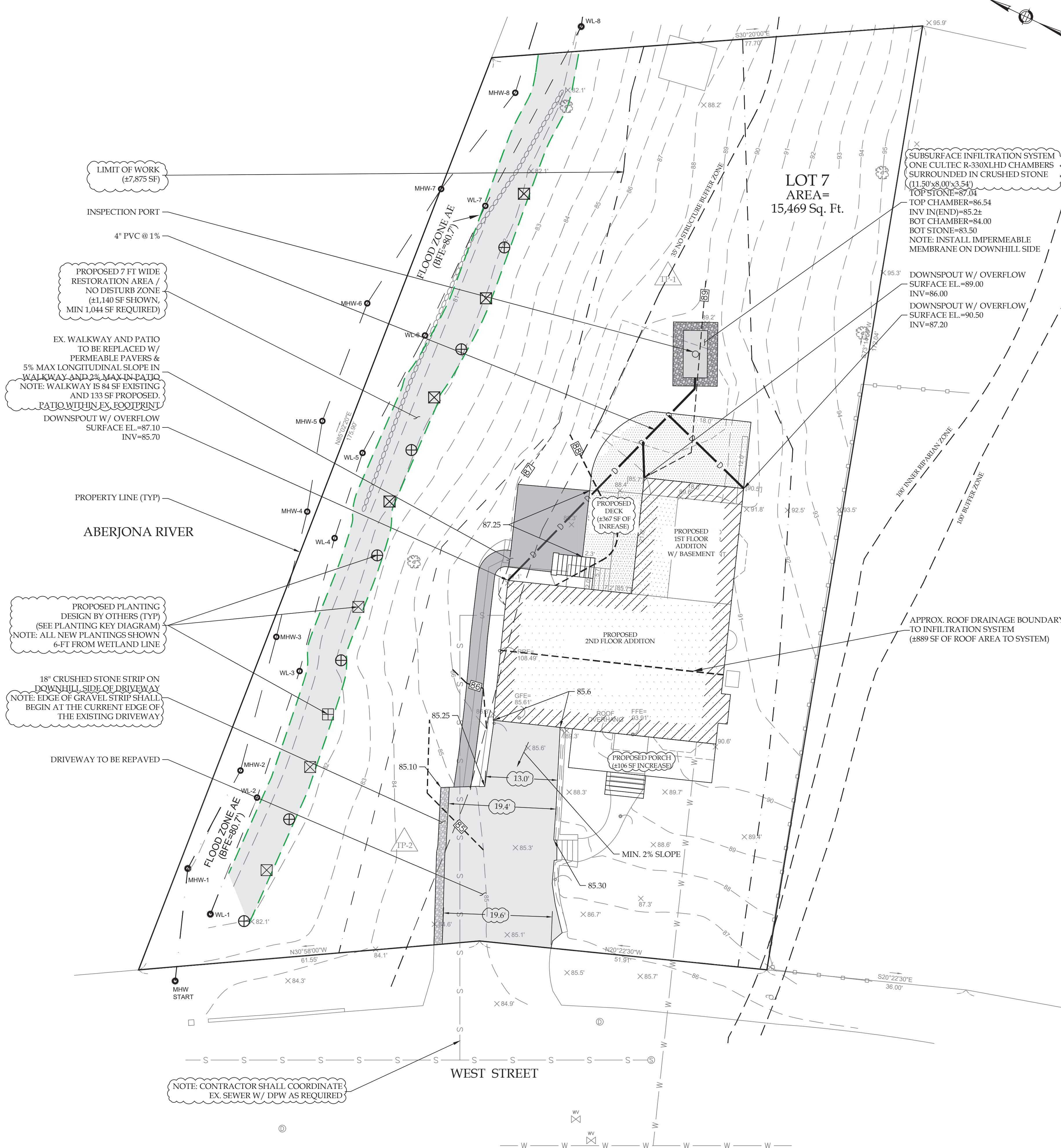
SITE AREA BREAKDOWN		
DESCRIPTION	EXISTING	PROPOSED
TOTAL AREA	15,470	15,470
BUILDING AREA	1,355	1,586
SITE IMPERVIOUS	1,500	1,399
PERMEABLE PAVERS	0	311
TOTAL IMPERVIOUS	2,855	3,296
LAWN (HSG B)	12,615	12,174
CHANGE IN IMPERVIOUS	N/A	441

NOTE: PERMEABLE PAVERS WERE CONSERVATIVELY MODELED AS IMPERVIOUS. REFER TO THE STORMWATER NARRATIVE FOR RUNOFF AND VOLUME CALCULATIONS.

**PLANTING KEY DIAGRAM:**

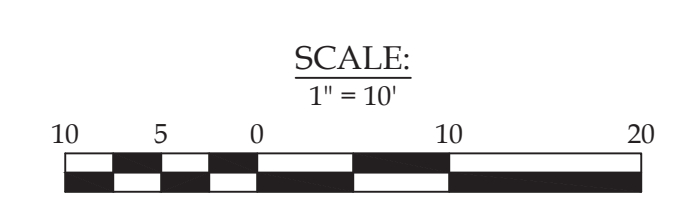
- ⊕ HIGHBUSH BLUEBERRY (VACCINIUM CORYMBESUM) (x7)
- ⊗ WINTERBERRY (ILEX VERTICILLATA) (x7)
- ⊞ RED MAPLE TREE (ACER RUBRUM) (x1)

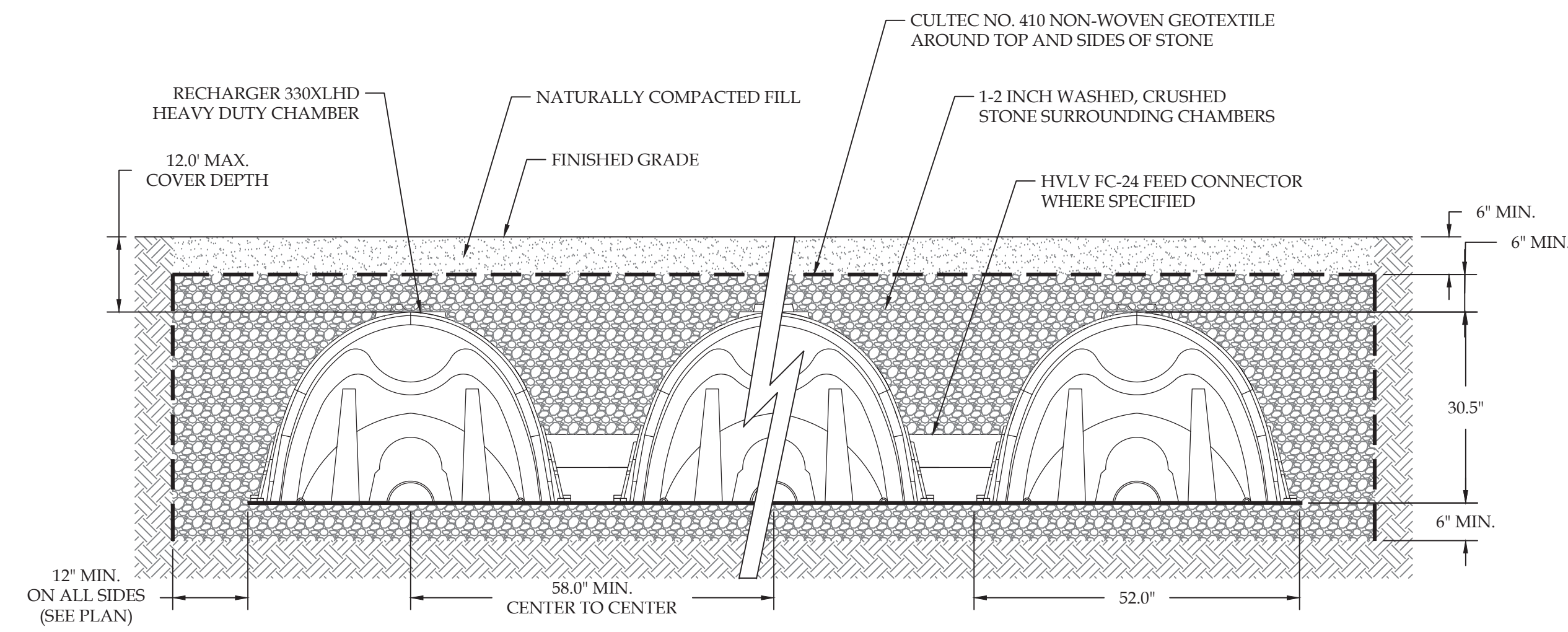
NOTE: PLANTINGS ARE BASED OFF OF THE DIRECTION OF NORSE ENVIRONMENTAL SERVICES, INC.



NO.	DATE	REVISION
1	7/24/2024	CONSERVATION SUBMISSION
2	9/17/2024	CONSERVATION RESUBMISSION

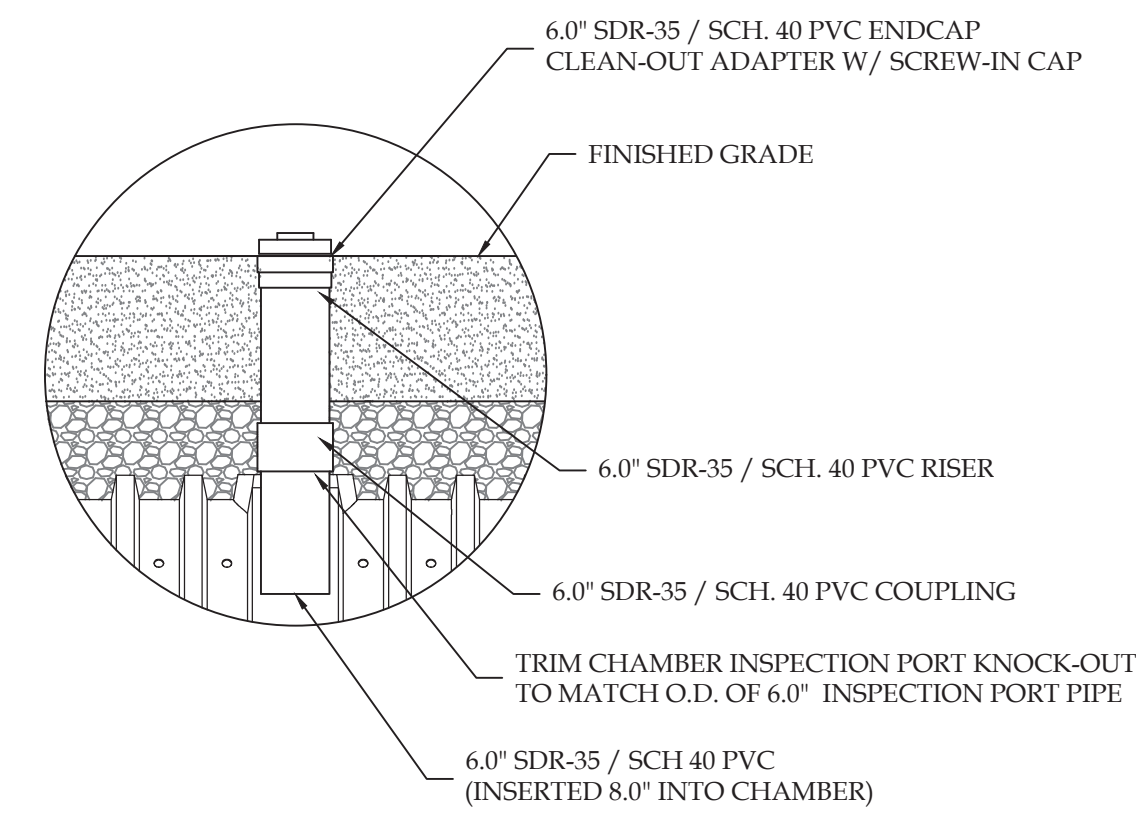
DRAWN BY: OPY  
CHECKED BY: KAQ  
PROJECT #: 365  
DATE: 7/24/2024  
SCALE: 1" = 10'



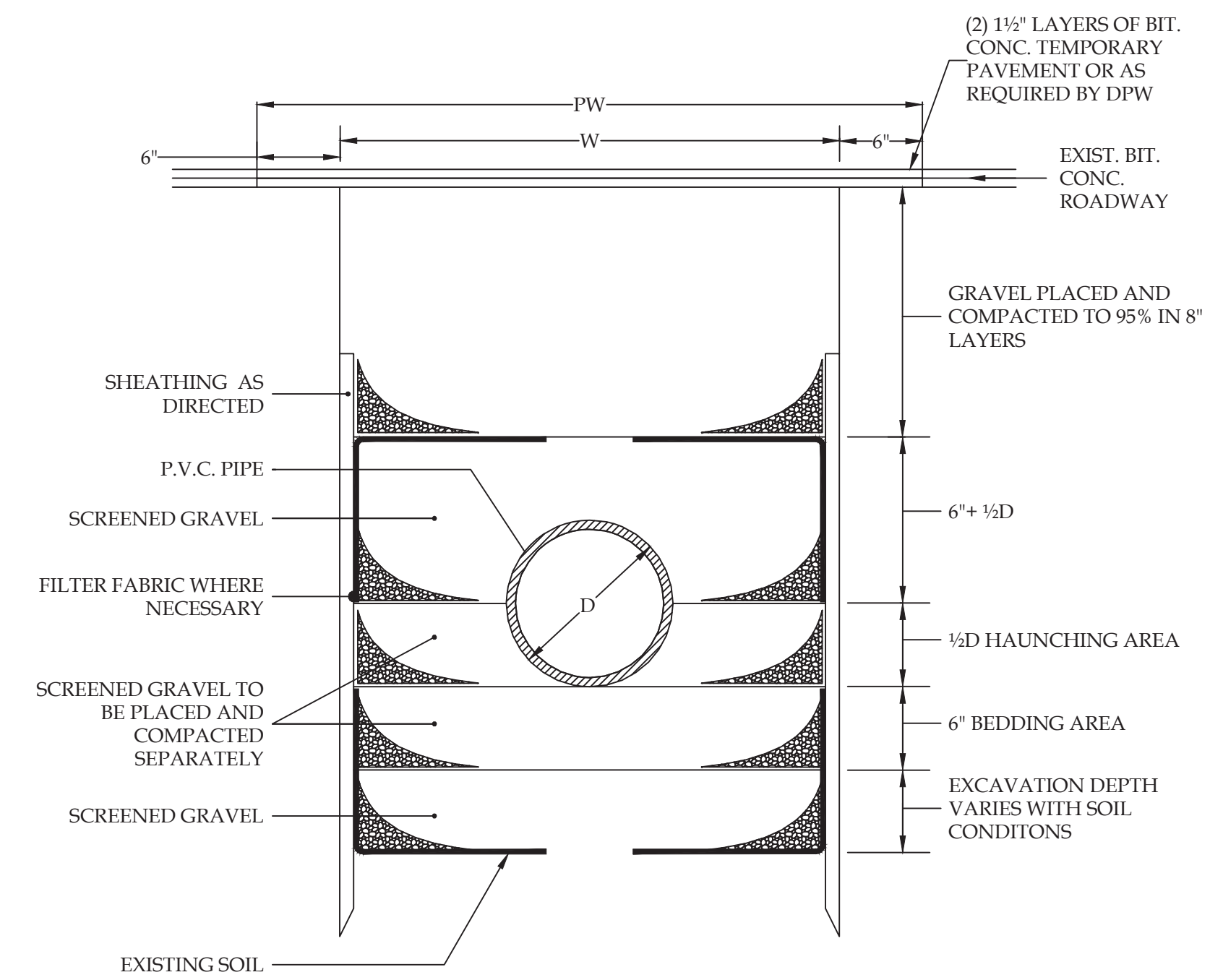


NOTE:  
CONTRACTOR SHALL INSTALL PER MANUFACTURER'S SPECIFICATIONS AND REQUIREMENTS.

**CULTEC RECHARGER 330XL HD HEAVY DUTY CROSS SECTION**  
NOT TO SCALE

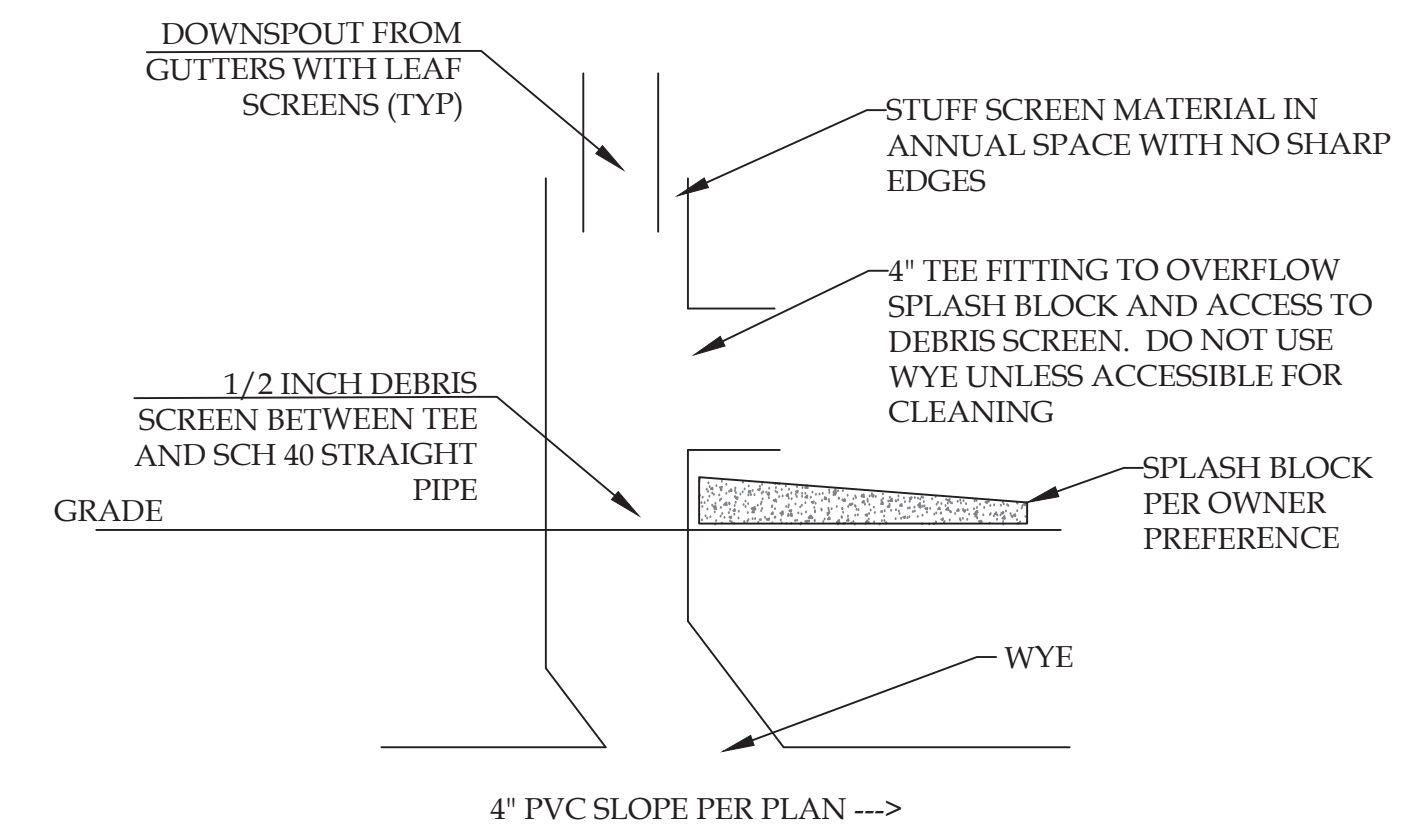


**CULTEC INSPECTION PORT DETAIL**  
NOT TO SCALE

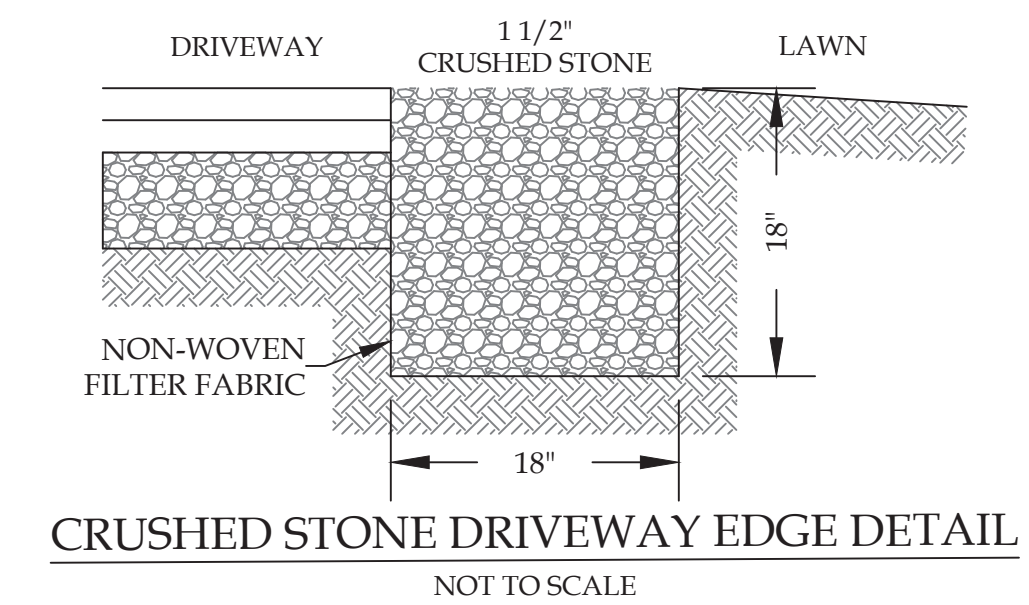


W = MAXIMUM TRENCH WIDTH  
PW = MAXIMUM PAVING WIDTH = W+1'-0"  
D = OUTSIDE DIAMETER  
UNSHEATHED TRENCH: W = D+2' (3'-0" MIN.)  
SHEATHED TRENCH: W = D+2' + SHEATHING WIDTH:  
4'-0" MIN. W/O WALERS  
5'-0" MIN. W/WALERS  
TRENCH BOX OR HYDRAULIC SHORING:  
W = D+2' + [WALL SHIELD WIDTH ± 8"] + 1' FOR TRENCH BOX

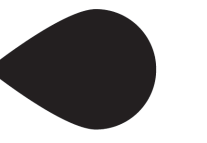
**TRENCH DETAIL FOR PVC PIPE**  
NOT TO SCALE



**DOWNSPOUT TO DRAIN SYSTEM DETAIL**  
NOT TO SCALE



**CRUSHED STONE DRIVEWAY EDGE DETAIL**  
NOT TO SCALE



**BOSTON CIVIL**

ENGINEERING & LAND PLANNING

PHONE: 413-281-6615  
711 EAST BROADWAY  
BOSTON, MA 02127

CIVIL DETAILS  
555 WEST STREET, READING, MA

PREPARED FOR:  
**KAUSHAL PATEL**  
555 WEST STREET, READING, MA 01867

STAMP



NO.	DATE	REVISION
1	7/24/2024	CONSERVATION SUBMISSION
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DRAWN BY: OFY  
CHECKED BY: KAQ  
PROJECT #: 365  
DATE: 7/24/2024  
SCALE: SEE PLAN

SHEET:

**C-4**