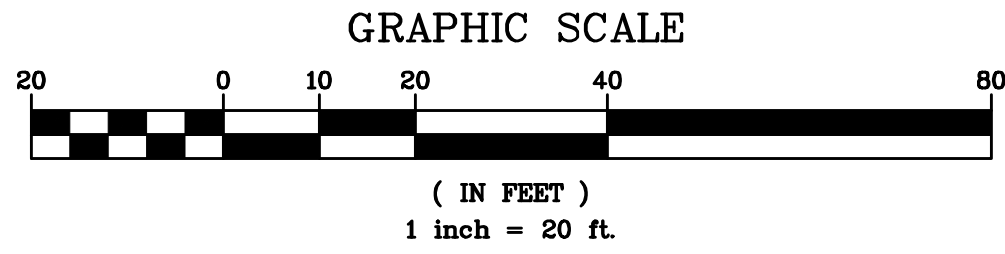


GENERAL NOTES:

1. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE SUPERVISION OF THE CONSTRUCTION.
2. NO CHANGES SHALL BE MADE TO THESE PLANS EXCEPT AS PER NYS LAW CHAPTER 987.
3. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL APPLICABLE CODES, INCLUDING BUT NOT LIMITED TO A.C.I., A.I.S.C., ZONING, AND THE NEW YORK STATE BUILDING CODE.
4. ALL CONDITIONS, LOCATIONS AND DIMENSIONS SHALL BE FIELD VERIFIED AND THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY DISCREPANCIES.
5. ALL CHANGES MADE TO THE PLANS SHALL BE APPROVED BY THE ENGINEER AND ANY SUCH CHANGES SHALL BE FILED AS AMENDMENTS TO THE ORIGINAL BUILDING PERMIT.
6. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING HIS BEST SKILL AND ATTENTION. HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE TO THE OWNER FOR THE ACTS AND OMISSIONS OF HIS EMPLOYEES, SUBCONTRACTORS AND THEIR AGENTS AND EMPLOYEES, AND OTHER PERSONS PERFORMING ANY OF THE WORK UNDER A CONTRACT WITH THE CONTRACTOR.
7. SAFETY DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM TO ALL LOCAL, STATE AND FEDERAL LAWS, ORDINANCES AND REGULATIONS. PROVISIONS SHALL BE MADE TO CONTROL WATER RUNOFF AND EROSION DURING CONSTRUCTION OR DEMOLITION ACTIVITIES. THE PERSON MAKING OR CAUSING AN EXCAVATION TO BE MADE SHALL PROVIDE WRITTEN NOTICE TO THE OWNERS OF ADJOINING BUILDINGS ADVISING THEM THAT THE EXCAVATION IS TO BE MADE AND THAT THE ADJOINING BUILDING SHOULD BE PROTECTED. SAID NOTIFICATION SHALL BE DELIVERED NOT LESS THAN 10 DAYS PRIOR TO THE SCHEDULED STARTING DATE OF THE EXCAVATION.
8. ALL WRITTEN DIMENSIONS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER ANY SCALED DIMENSIONS.
9. ADJOINING PUBLIC AND PRIVATE PROPERTY SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION, REMODELING AND DEMOLITION WORK. PROTECTION MUST BE PROVIDED FOR FOOTINGS, FOUNDATIONS, PARTY WALLS, CHIMNEYS, SKYLIGHTS AND ROOFS. PROVISIONS SHALL BE MADE TO CONTROL WATER RUNOFF AND EROSION DURING CONSTRUCTION OR DEMOLITION ACTIVITIES. THE PERSON MAKING OR CAUSING AN EXCAVATION TO BE MADE SHALL PROVIDE WRITTEN NOTICE TO THE OWNERS OF ADJOINING BUILDINGS ADVISING THEM THAT THE EXCAVATION IS TO BE MADE AND THAT THE ADJOINING BUILDING SHOULD BE PROTECTED. SAID NOTIFICATION SHALL BE DELIVERED NOT LESS THAN 10 DAYS PRIOR TO THE SCHEDULED STARTING DATE OF THE EXCAVATION.
10. OWNER SHALL INSURE THAT THE INSURANCE PROVIDED BY THE CONTRACTOR HIRED TO PERFORM THE WORK SHALL BE ENDORSED TO NAME HUDSON ENGINEERING & CONSULTING, P.C., AND ANY DIRECTORS, OFFICERS, EMPLOYEES, SUBSIDIARIES, AND AFFILIATES, AS ADDITIONAL INSURED ON ALL POLICIES AND HOLD HARMLESS DOCUMENTS, AND SHALL STIPULATE THAT THIS INSURANCE IS PRIMARY, AND THAT ANY OTHER INSURANCE OR SELF-INSURANCE MAINTAINED BY HUDSON ENGINEERING & CONSULTING, P.C., SHALL BE EXCESS ONLY AND SHALL NOT BE CALLED UPON TO CONTRIBUTE WITH THIS INSURANCE. 150 ADDITIONAL INSURED ENDORSEMENT FORM NUMBER 022010-1185 UNDER G.L. COPIES OF THE INSURANCE POLICIES SHALL BE SUBMITTED TO HUDSON ENGINEERING & CONSULTING, P.C., FOR APPROVAL PRIOR TO THE SIGNING OF THE CONTRACT.
11. INDUSTRIAL CODE RULE 753. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 72 HOURS PRIOR TO THE START OF HIS OPERATIONS AND SHALL COMPLY WITH ALL THE LATEST INDUSTRIAL CODE RULE 753 REGULATIONS.

PROPERTY LINE	---	PROPERTY LINE	---
PROPOSED BELGIAN BLOCK CURB	---	TEMPORARY INLET PROTECTION	IP
PROPOSED CONTOUR	640	TEMPORARY SILT FENCE	X - X - X
PROPOSED SPOT GRADE	+643.5	TEMPORARY CONSTRUCTION FENCE	CF
PROPOSED STORM PIPE	---	TEMPORARY SOIL STOCKPILE AREA	SS
PROPOSED DRAIN INLET	DI	STABILIZED CONSTRUCTION ENTRANCE	SE
PROPOSED TRENCH DRAIN	TD	PROPOSED LIMIT OF DISTURBANCE	---
PROPOSED MANHOLE	MC	EXISTING TREE TO BE REMOVED	X
PROPOSED WATER MAIN	WM	TREE PROTECTION FENCE	TP
PROPOSED WATER SERVICE	WS		
PROPOSED ELECTRICAL SERVICE	ES		
PROPOSED SANITARY SEWER MAIN	SS		
PROPOSED SANITARY SEWER SERVICE	SS		
PROPOSED SANITARY SEWER FORCE MAIN SERVICE	FM		

EXISTING INFORMATION SHOWN HEREON  
TAKEN FROM A SURVEY PREPARED BY  
LINK LAND SURVEYORS, P.C. DATED  
JULY 11, 2017



THIS PLAN NOT VALID FOR CONSTRUCTION WITHOUT ENGINEER'S SEAL & SIGNATURE

CERTIFICATE OF AUTHORIZATION: 0018997

DATE: 10/17/25

DESIGNED BY: D.C.

CHECKED BY: M.S.

SHEET NO. 3

PROJECT: PROPOSED 2-LOT SUBDIVISION  
3138 HEARTHSTONE ROAD  
TOWN OF YORKTOWN  
WESTCHESTER COUNTY - NEW YORK

STORMWATER MANAGEMENT AND  
EROSION & SEDIMENT CONTROL PLAN

HUDSON  
ENGINEERING  
CONSULTING, P.C.

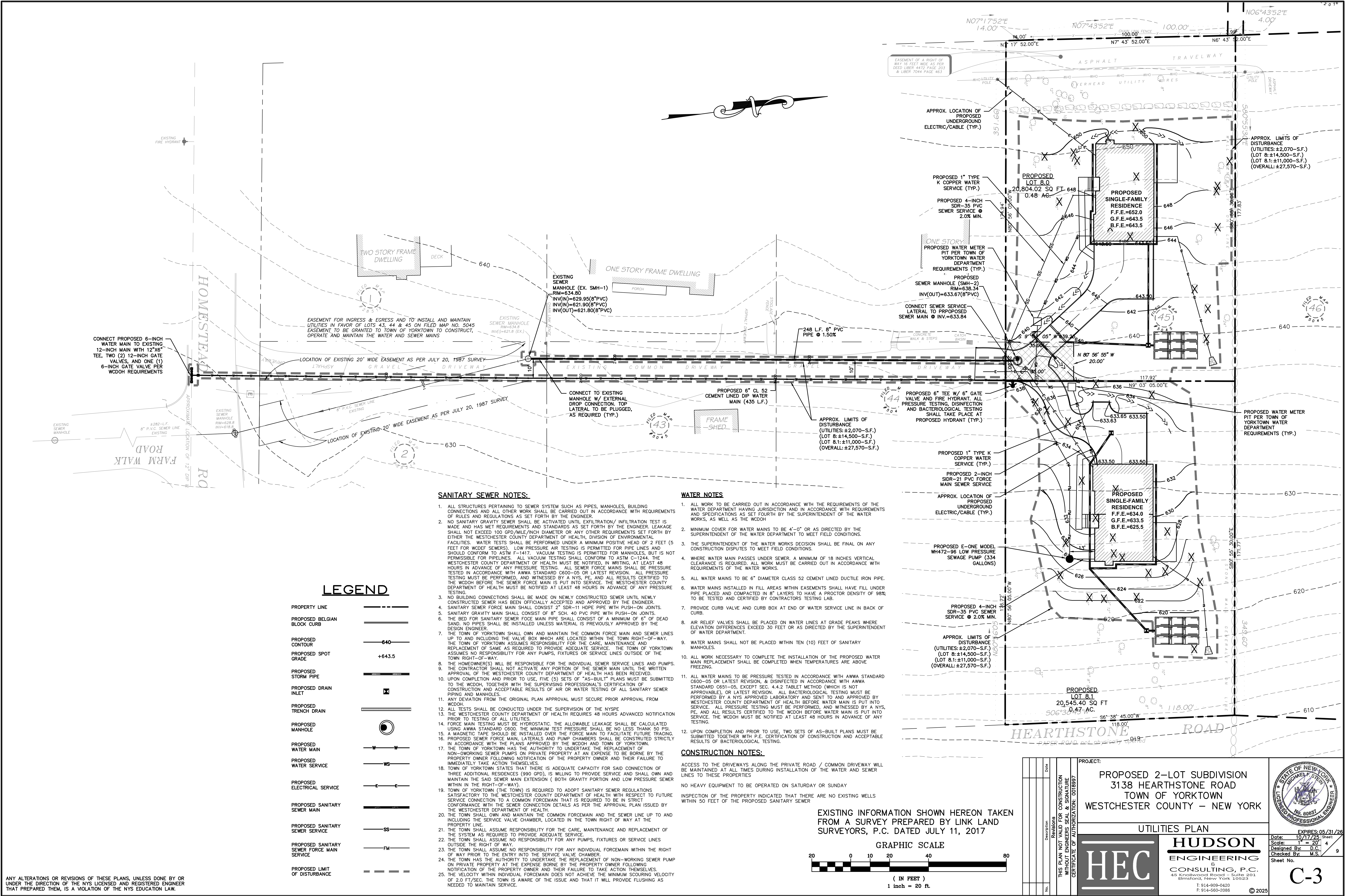
45 Knollwood Road - Suite 201  
Elmsford, NY 10523  
T: 914-909-0420  
F: 914-560-2086

STATE OF NEW YORK  
SEAL OF THE STATE ENGINEER  
No. 60837  
LICENSED PROFESSIONAL ENGINEER

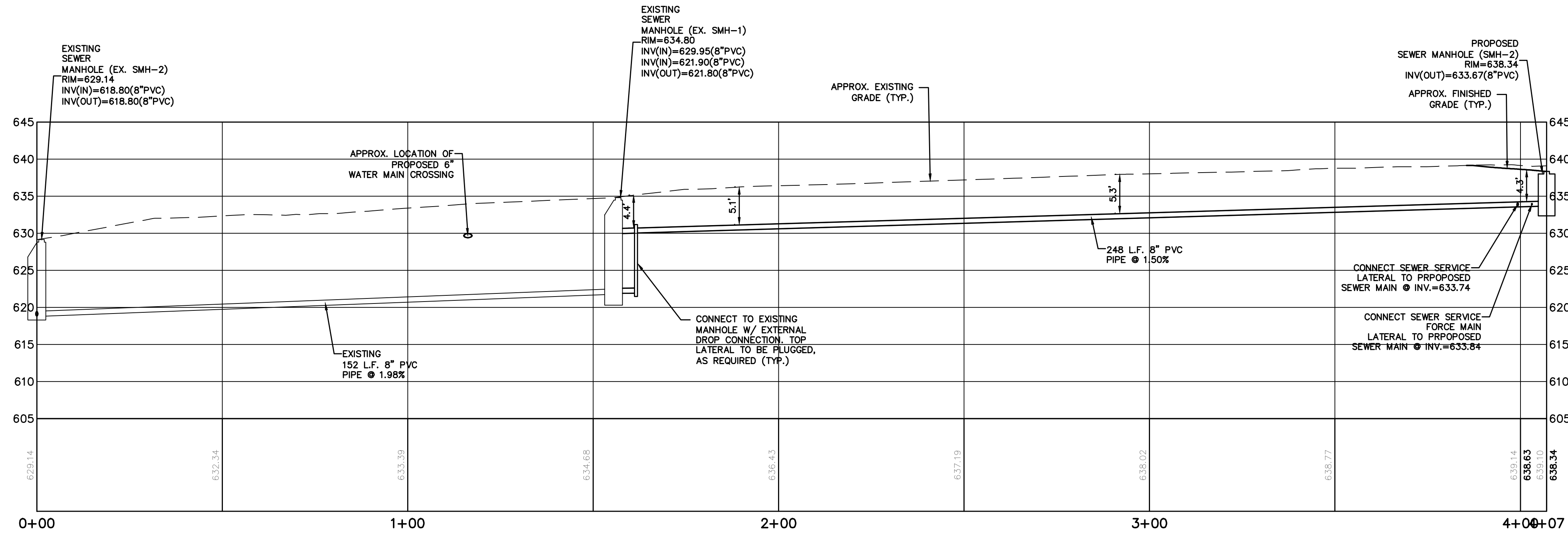
EXPIRES: 05/31/26  
Date: 10/17/25  
Scale: 1" = 20'  
Designed By: D.C.  
Checked By: M.S.  
Sheet No. 3

C-2

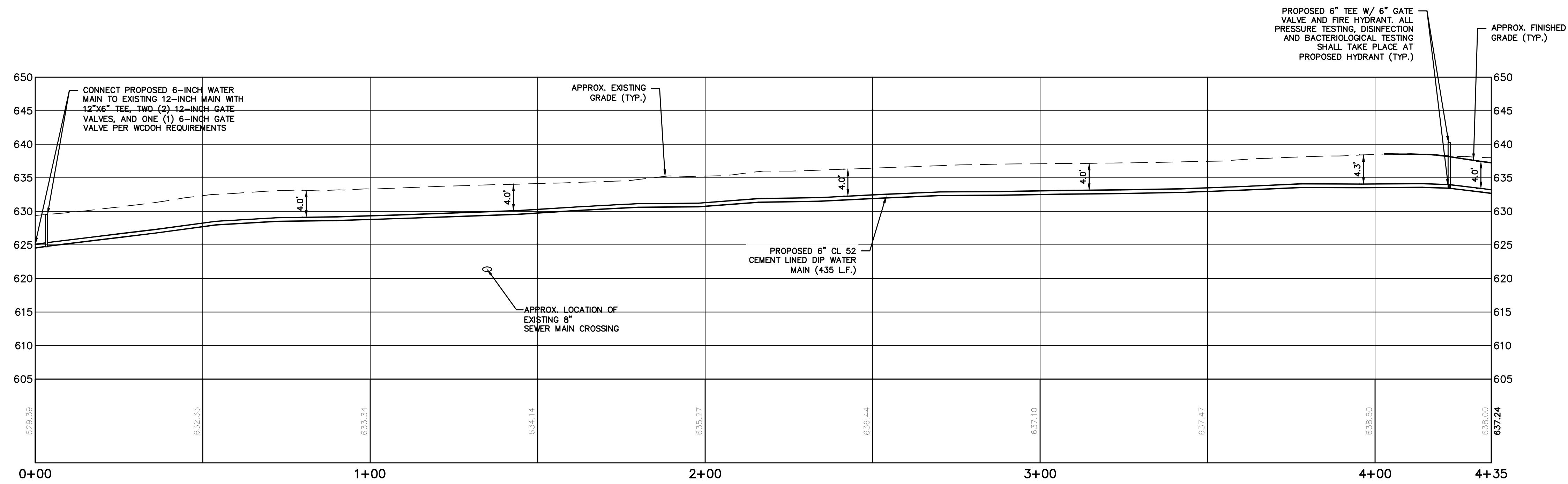
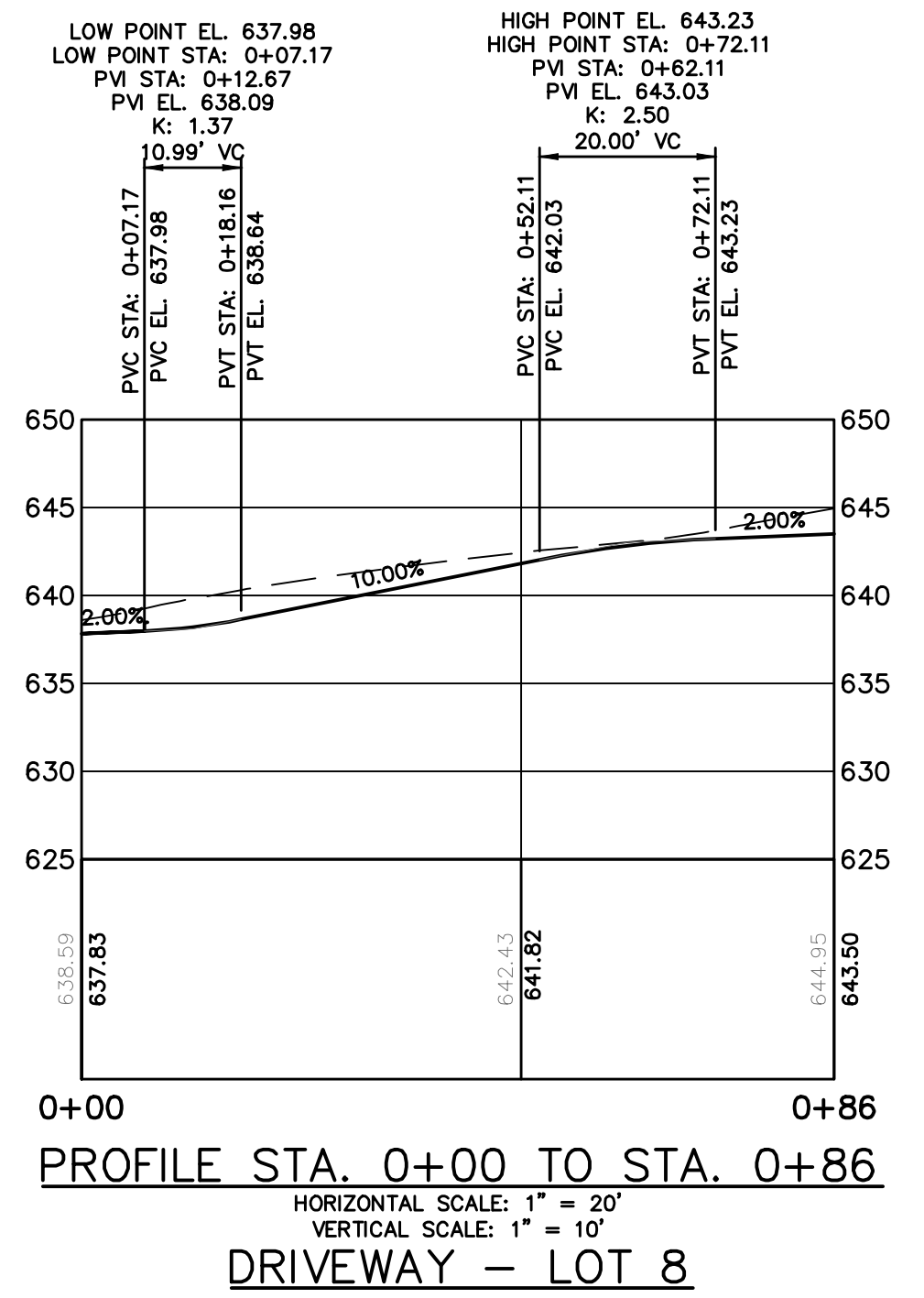




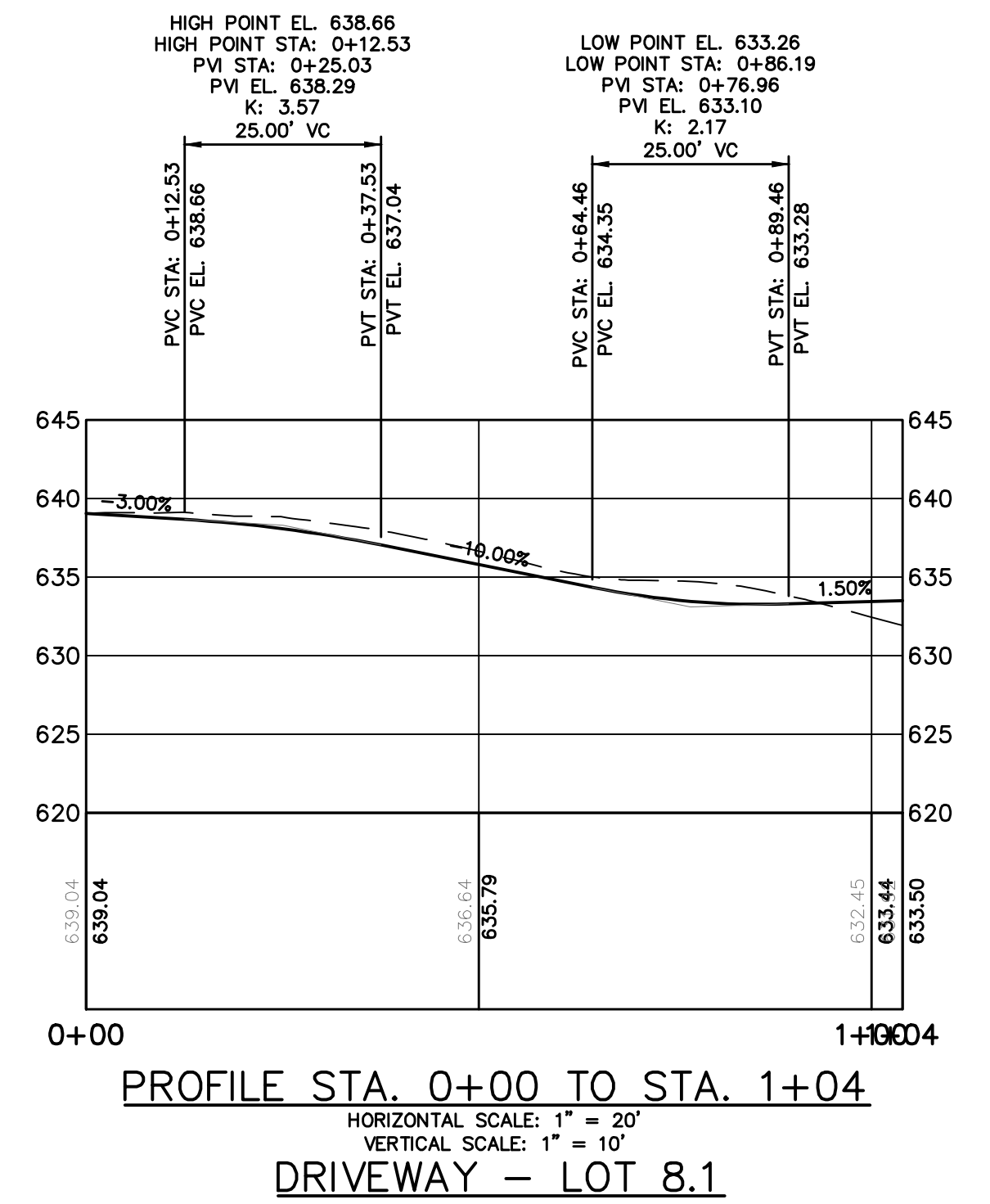




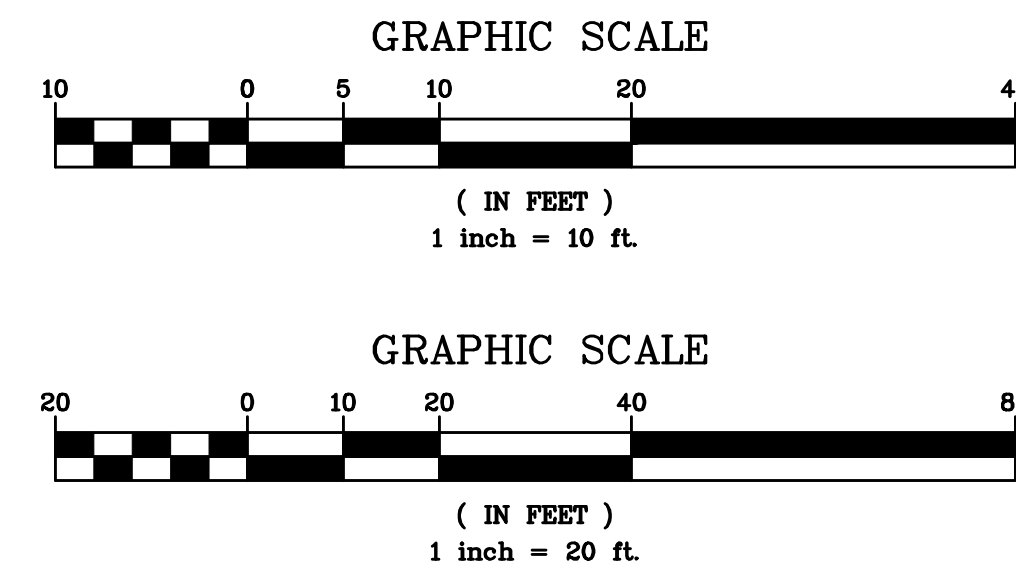
**SANITARY SEWER PROFILE**  
(STA. 0+00 TO STA. 4+07)  
HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 10'



**WATER MAIN PROFILE**  
(STA. 0+00 TO STA. 4+35)  
HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 10'

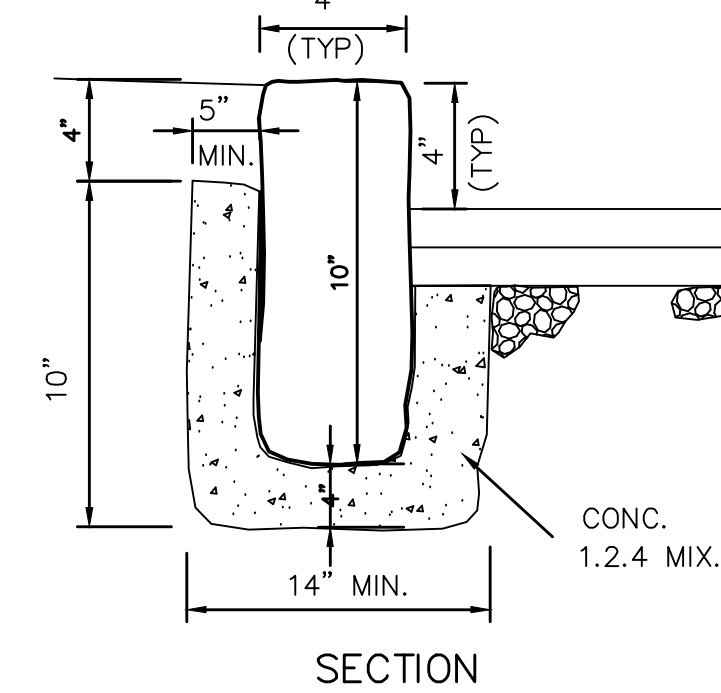
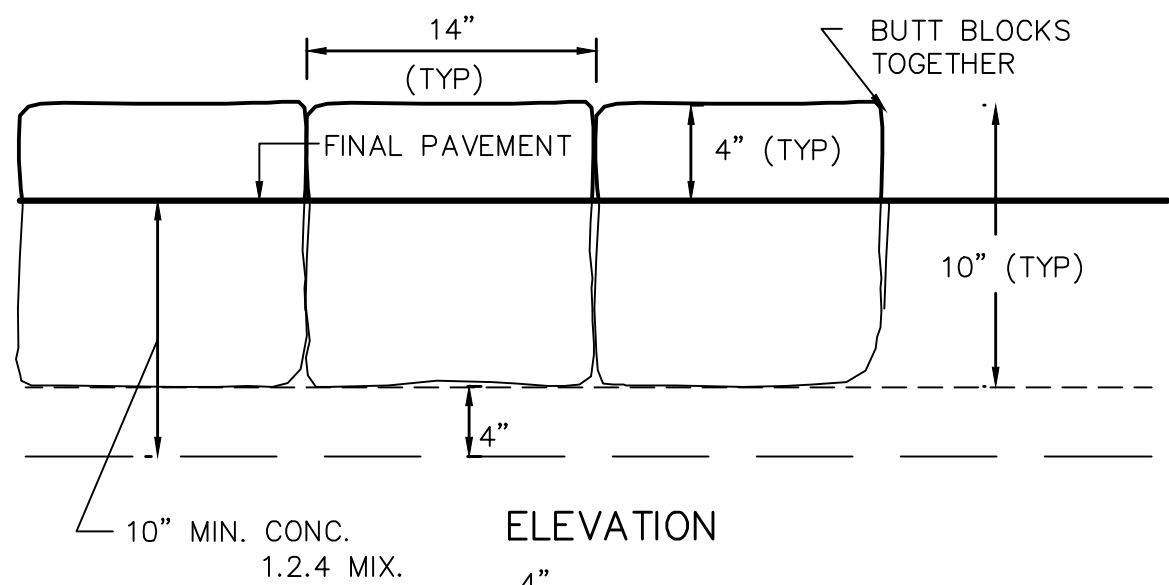


ANY ALTERATIONS OR REVISIONS OF THESE PLANS, UNLESS DONE BY OR UNDER THE DIRECTION OF THE NYS LICENSED AND REGISTERED ENGINEER THAT PREPARED THEM, IS A VIOLATION OF THE NYS EDUCATION LAW.

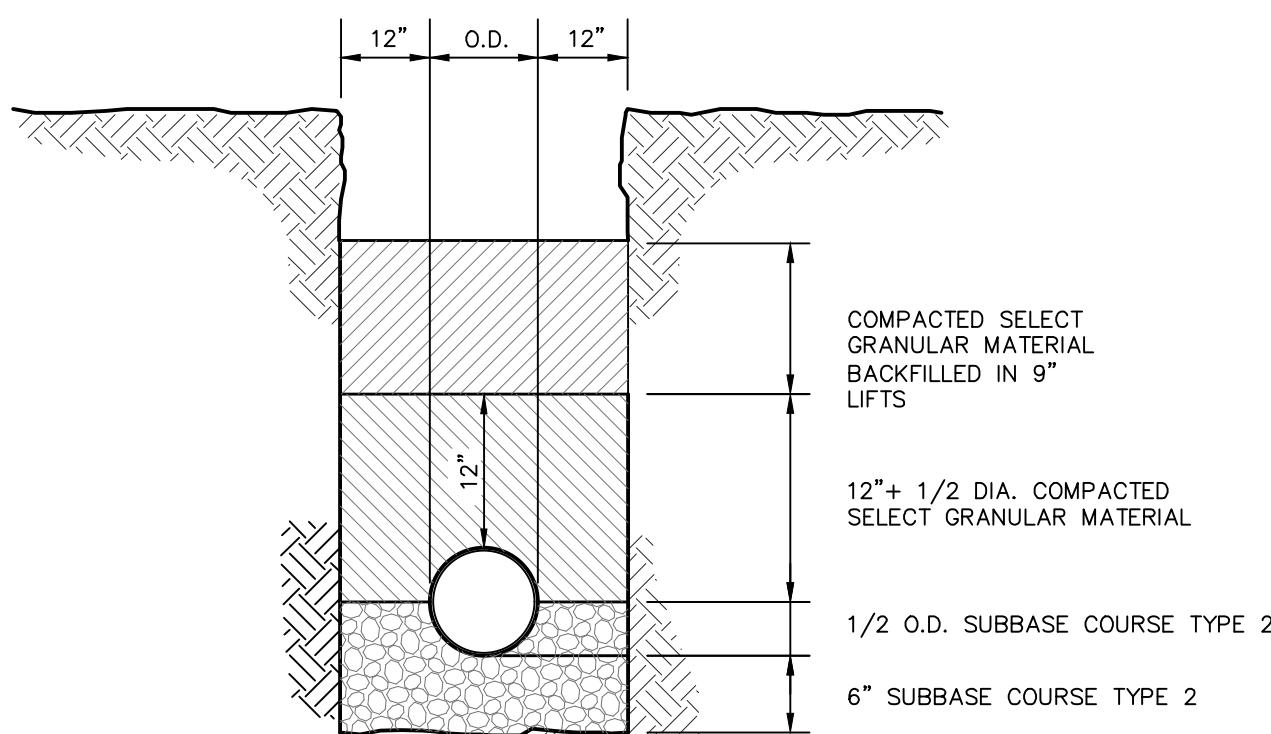


No.	Description	Date	Revision	THIS PLAN NOT VALID FOR CONSTRUCTION WITHOUT ENGINEER'S SEAL & SIGNATURE CERTIFICATE OF AUTHORIZATION: 0018997	PROJECT:
					PROPOSED 2-LOT SUBDIVISION 3138 HEARTHSTONE ROAD TOWN OF YORKTOWN WESTCHESTER COUNTY - NEW YORK
					PROFILES
					<b>HEC</b> ENGINEERING CONSULTING, P.C. 45 Knollwood Road - Suite 201 Elmsford, New York 10523 T: 914-909-0420 F: 914-560-2086 © 2025
					<b>HUDSON</b> ENGINEERING CONSULTING, P.C. 45 Knollwood Road - Suite 201 Elmsford, New York 10523 T: 914-909-0420 F: 914-560-2086 © 2025
					EXPIRES: 05/31/26 Date: 10/17/25 Sheet: 5 Scale: AS NOTED Designed By: D.C. Checked By: M.S. Sheet No. C-4

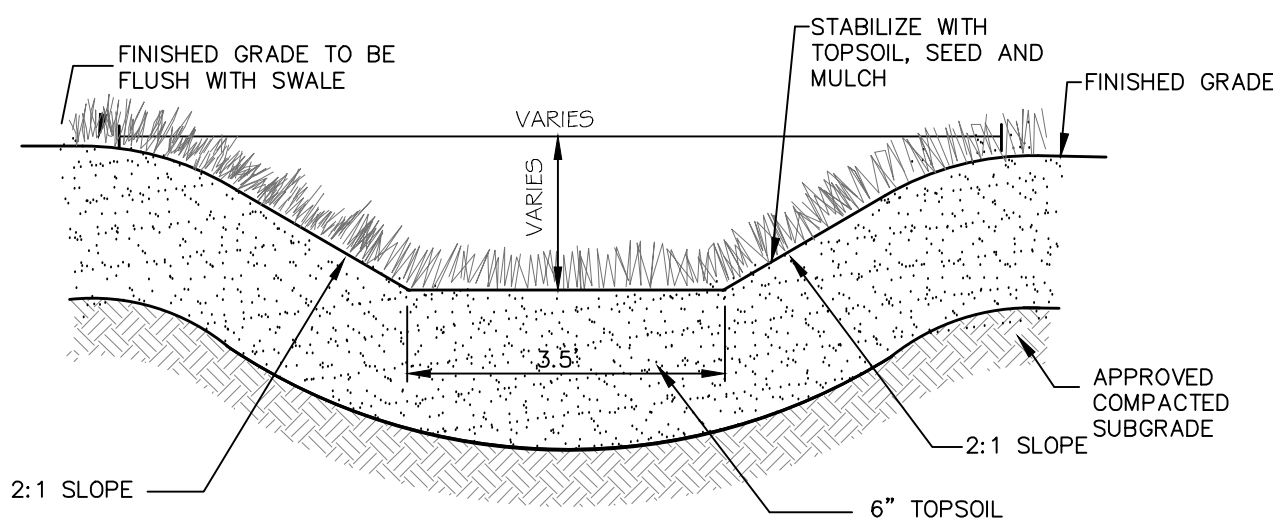




**BELGIUM BLOCK CURB DETAIL**

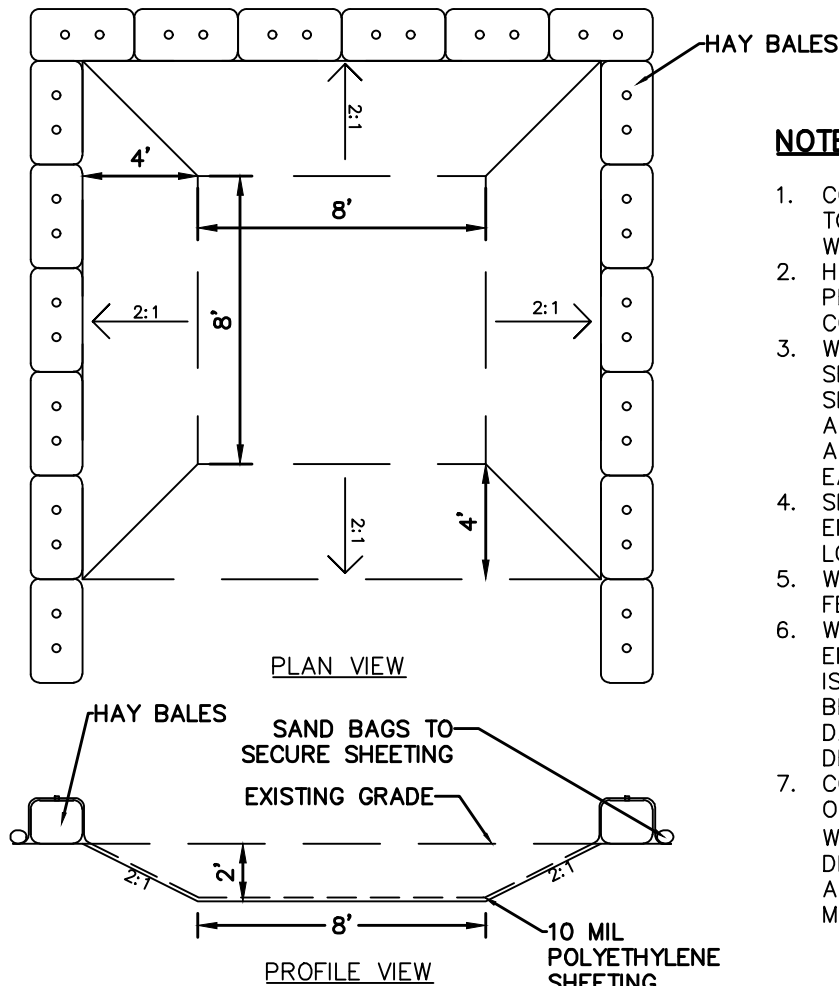


**PIPE TRENCH BEDDING**

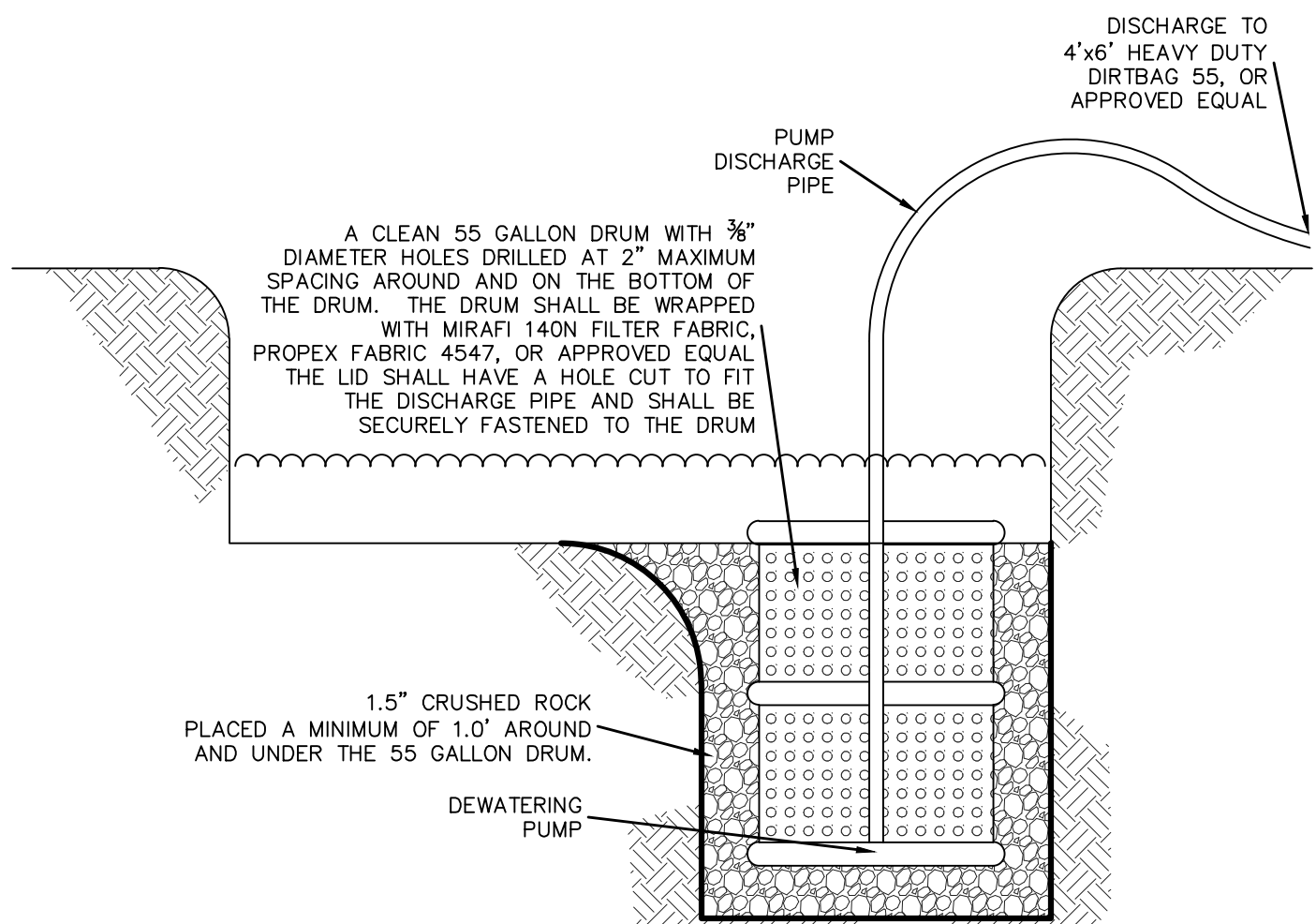


- NOTES:**
1. FOR SWALE SLOPES EXCEEDING 8% JUTE MESH SHALL BE UTILIZED TO STABILIZE THE SWALE BASE.
  2. AREA ADJACENT TO SWALE TO BE BROUGHT TO FINISHED GRADE IMMEDIATELY AS REQUIRED, TOPSOILED, SEEDED AND MAINTAINED FOR EROSION CONTROL.

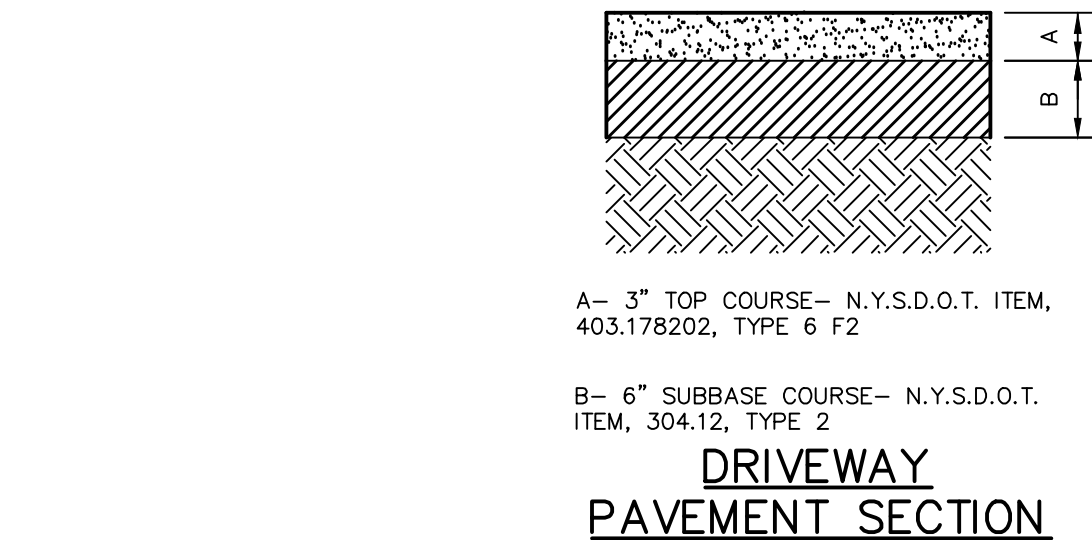
**GRASS LINED SWALE**



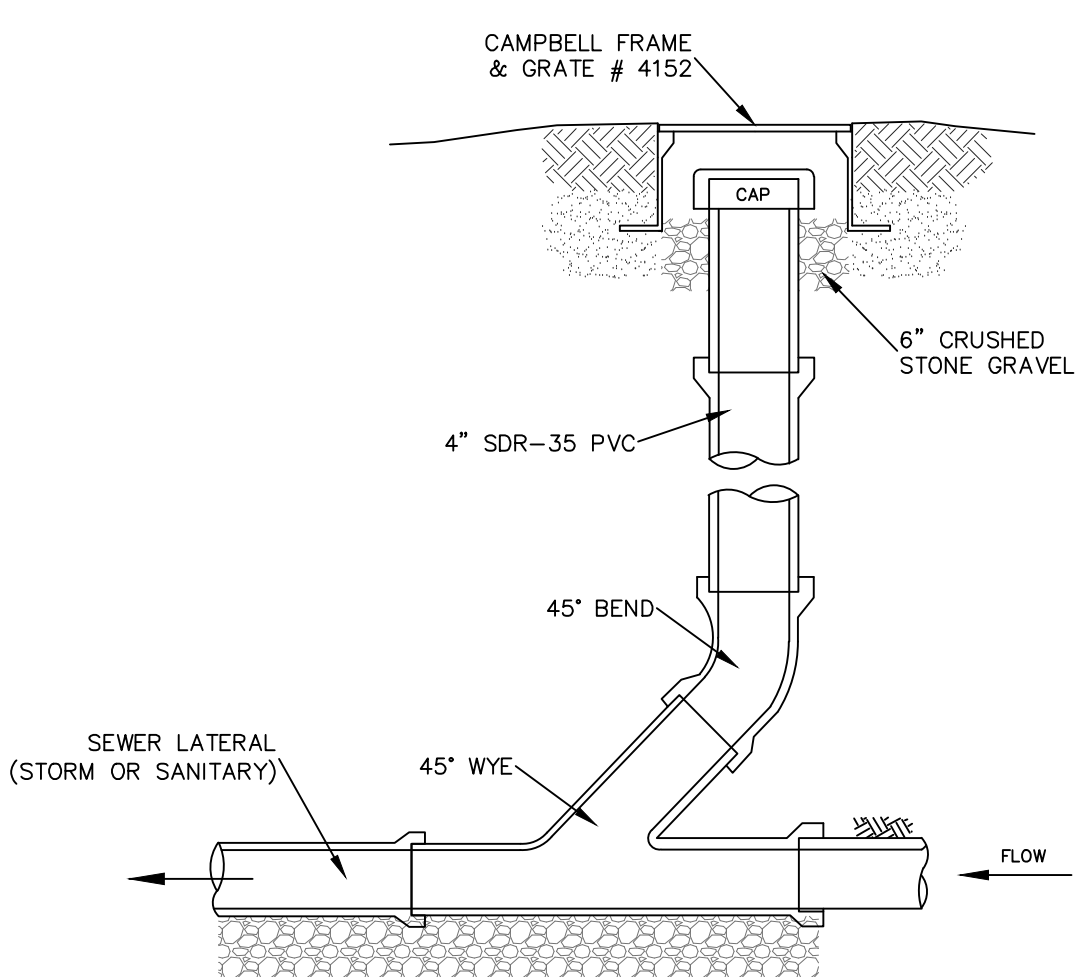
**CONCRETE WASHOUT AREA**



**TYPICAL DEWATERING SUMP**



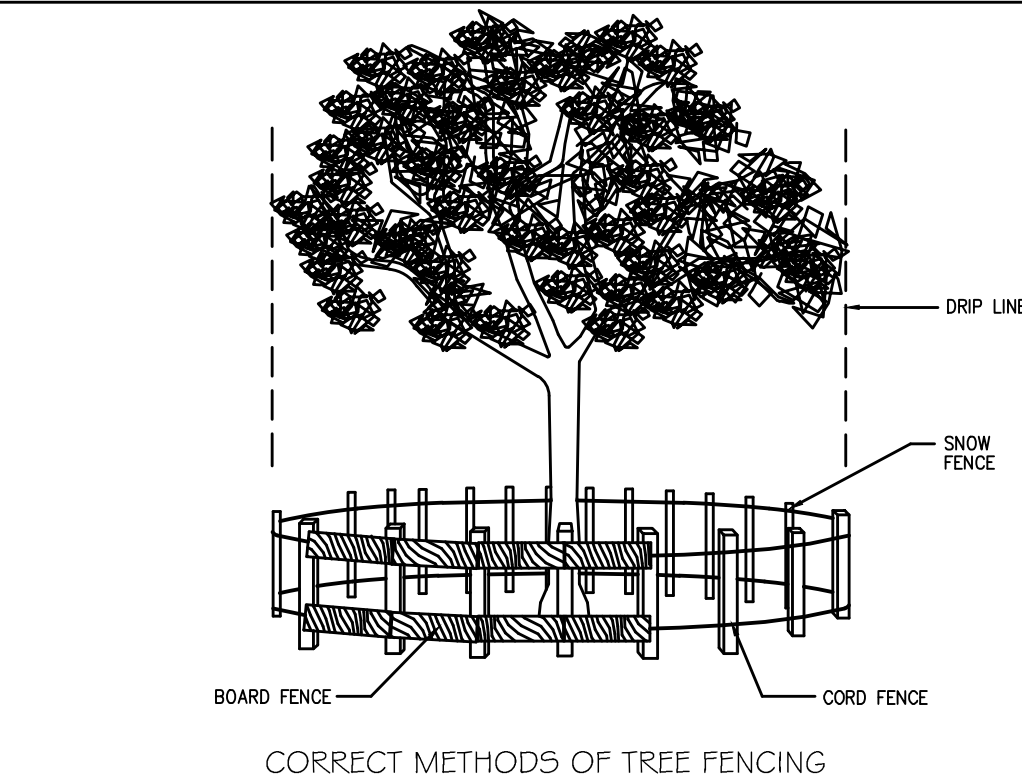
**DRIVEWAY PAVEMENT SECTION**



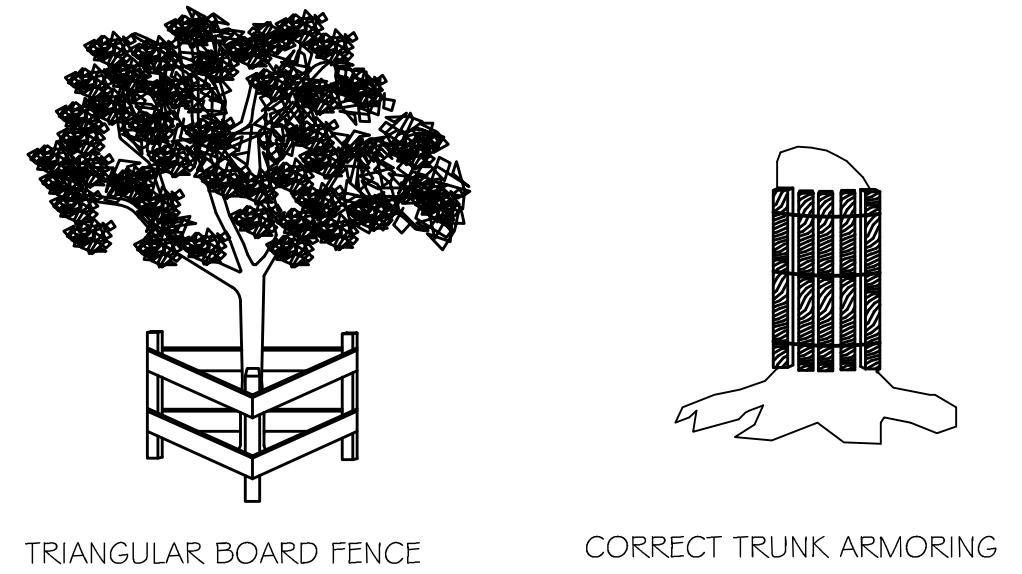
**SEWER CLEANOUT DETAIL (GRAVITY)**

- NOTES (STORM SEWER):**
1. REFER TO PLAN FOR SPECIFIC PIPE SIZING AND SLOPE SPECIFICATIONS. HOWEVER, IN GENERAL, ALL STORM SEWER SERVICES TO BE 6 inch SDR-35 @ 1.0% MINIMUM.
  2. CLEANOUTS SHALL BE PLACED BEFORE SIGNIFICANT PIPE BEND LOCATIONS (I.E., JUNCTIONS, 90-DEGREE BENDS, ETC.) UNLESS A ROOF LEADER DOWNSPOUT CONNECTION IS PROPOSED.

## FENCING AND ARMORING

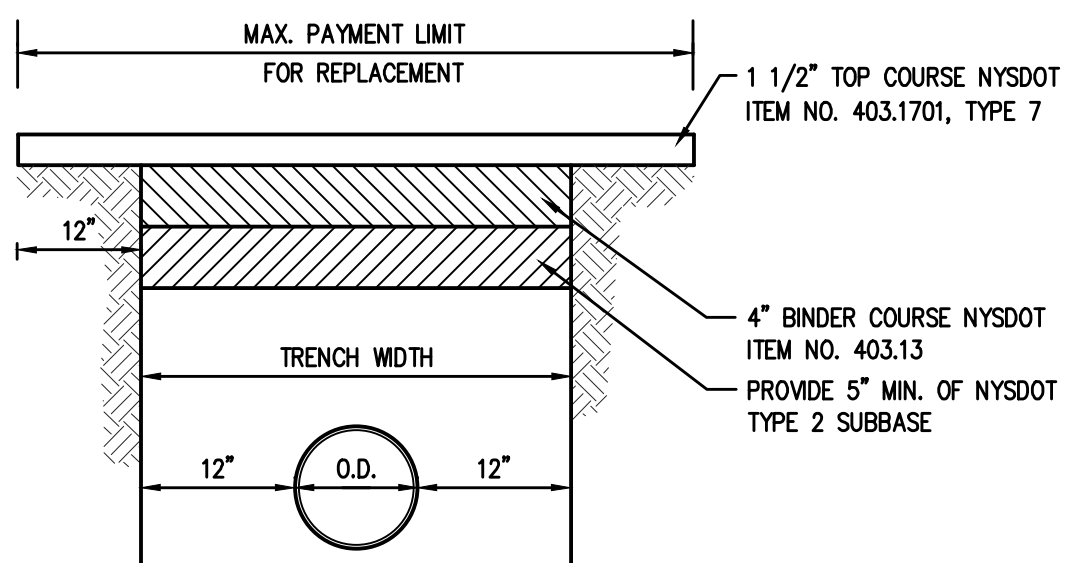


**CORRECT METHODS OF TREE FENCING**

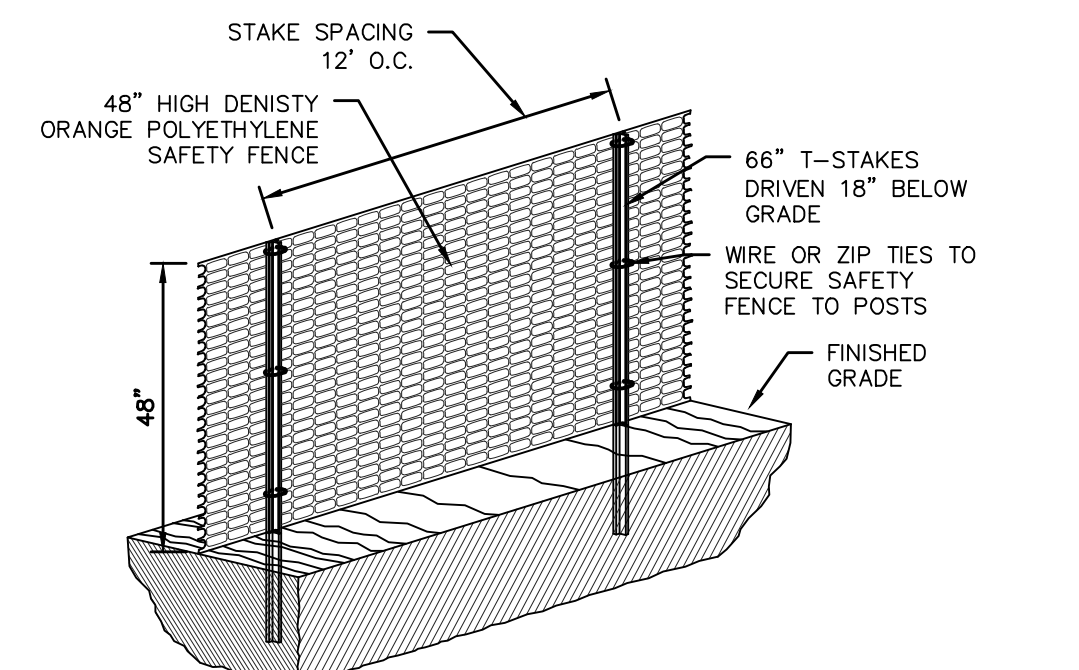


**TRIANGULAR BOARD FENCE**

**CORRECT TRUNK ARMORING**

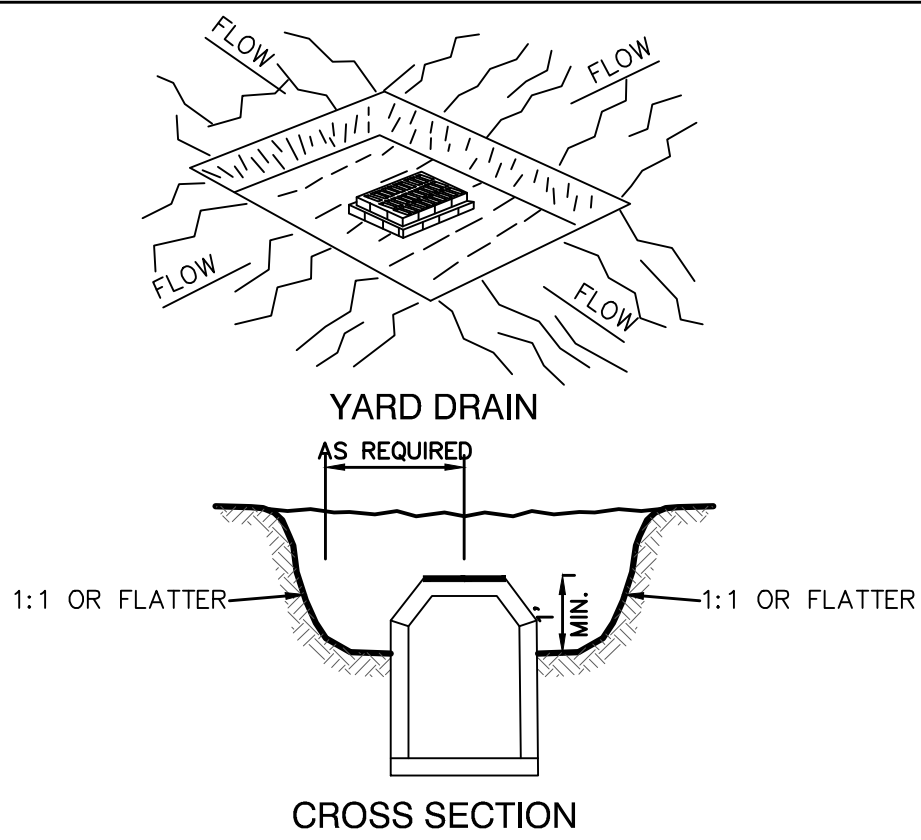


**ASPHALTIC MACADAM PAVEMENT REPLACEMENT**



**CONSTRUCTION FENCE**

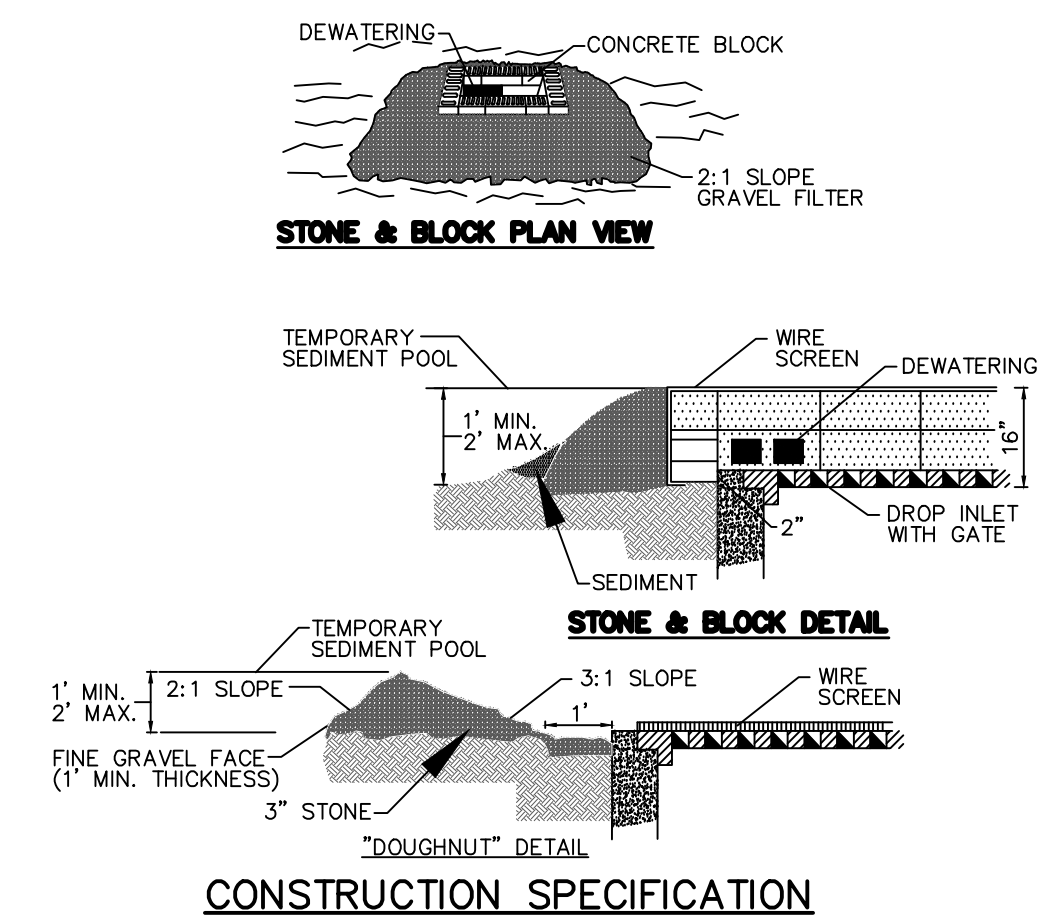
## Catch Basin Sediment Trap (ST-III)



**CONSTRUCTION SPECIFICATIONS:**

1. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND STABILIZED.
2. THE VOLUME OF SEDIMENT STORAGE SHALL BE 3600 CUBIC FEET PER ACRE OF CONTRIBUTORY DRAINAGE.
3. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
4. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND SEDIMENT ARE CONTROLLED.
5. THE SEDIMENT TRAP SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE CONSTRUCTED DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
6. ALL OUT SLOPES SHALL BE 1:1 OR FLATTER. MAXIMUM DRAINAGE AREA = 3-ACRES.

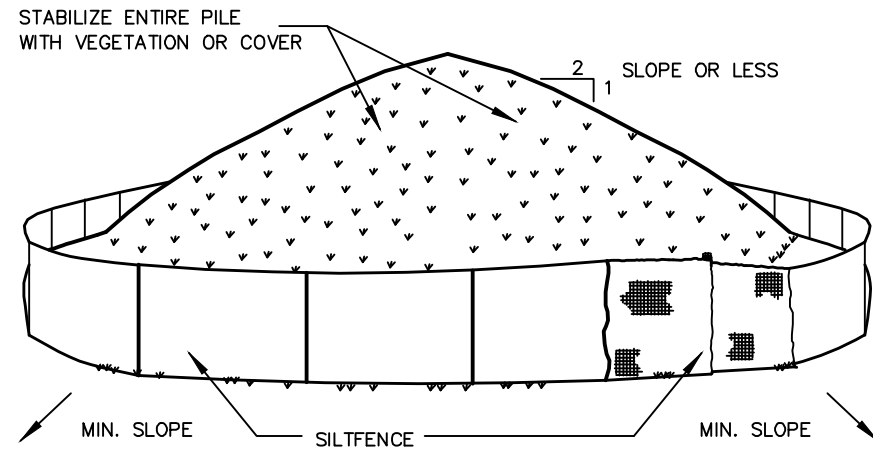
## Stone & Block Drop Inlet Protection



**CONSTRUCTION SPECIFICATION**

1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. TRAKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY.
2. HARDWARE CLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
3. USE CLEAN STONE OR GRAVEL 1/2-3/4 INCH IN DIAMETER PLACED 2 INCHES BELOW TOP OF BLOCK ON A 2:1 SLOPE OR FLATTER.
4. FOR STONE STRUCTURES ONLY, A 1 FOOT THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 3 INCH STONE AS SHOWN ON THE DRAWINGS. MAXIMUM DRAINAGE AREA 1 ACRE.

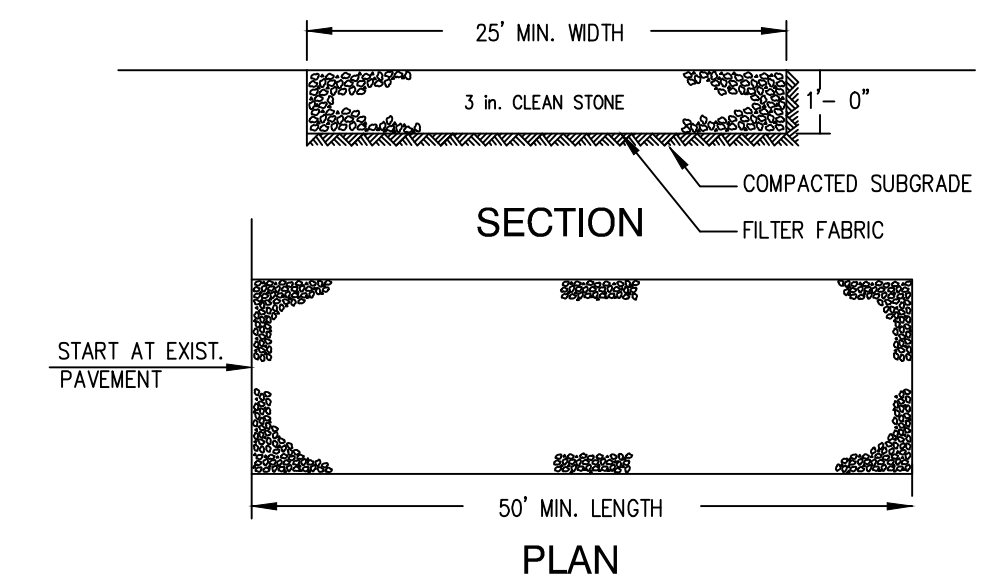
## Soil Stockpiling



**INSTALLATION NOTES:**

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. SOILS OR FILL TO BE STOCKPILED ON SITE DURING CUTTING AND FILLING ACTIVITIES SHOULD BE LOCATED ON LEVEL PORTIONS OF THE SITE WITH A MINIMUM OF 50-75 FOOT SETBACKS FROM TEMPORARY DRAINAGE SWALES.
3. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
4. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVER.
5. STOCKPILES REMAINING IN PLACE FOR MORE THAN A WEEK SHOULD BE SEEDED AND MULCHED OR COVERED WITH GEOTEXTILE FABRIC SURROUNDED BY SILT FENCE.
6. SEE SPECIFICATIONS (THIS MANUAL) FOR INSTALLATION OF SILT FENCE.

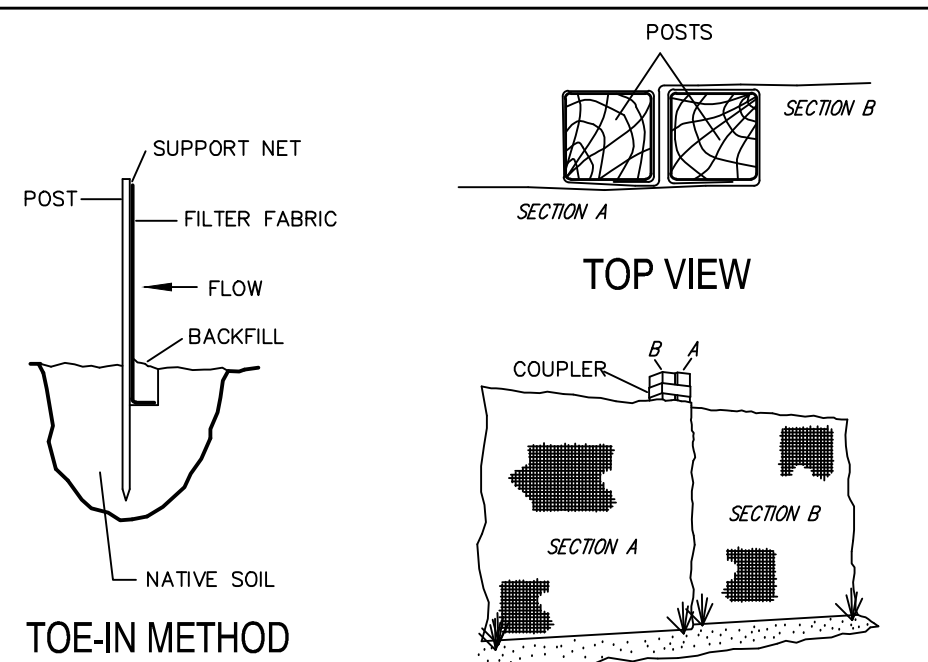
## Stabilized Construction Entrance



**INSTALLATION NOTES:**

1. STONE SIZE - USE 3" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - 25 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCUR.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT OF WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

## Silt Fence

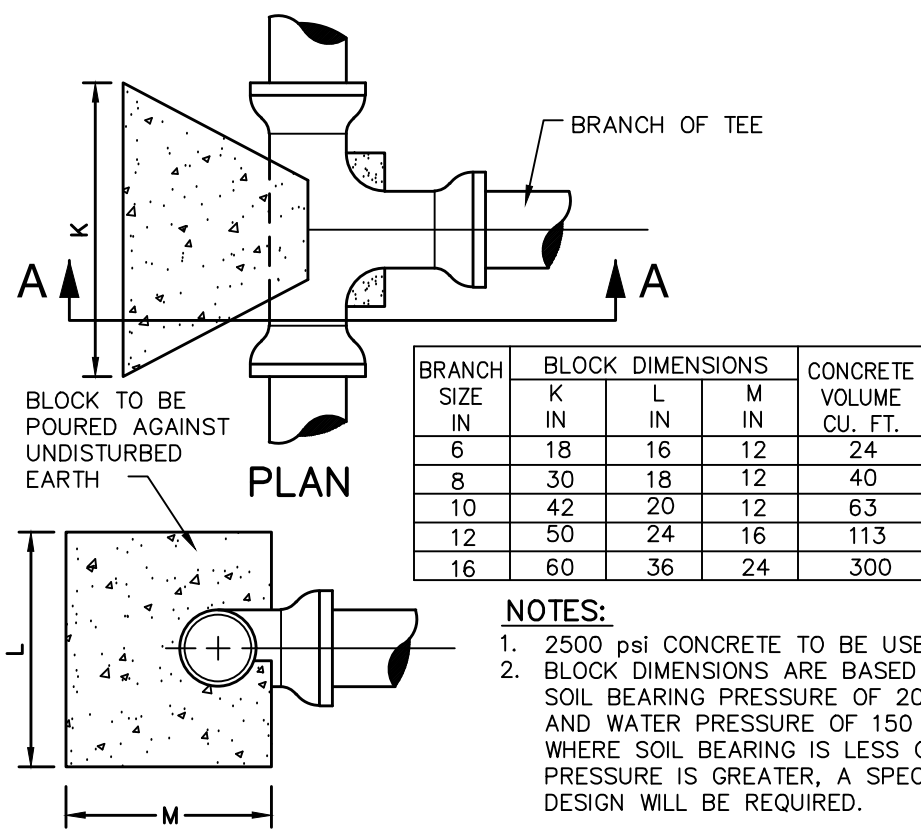


**INSTALLATION NOTES:**

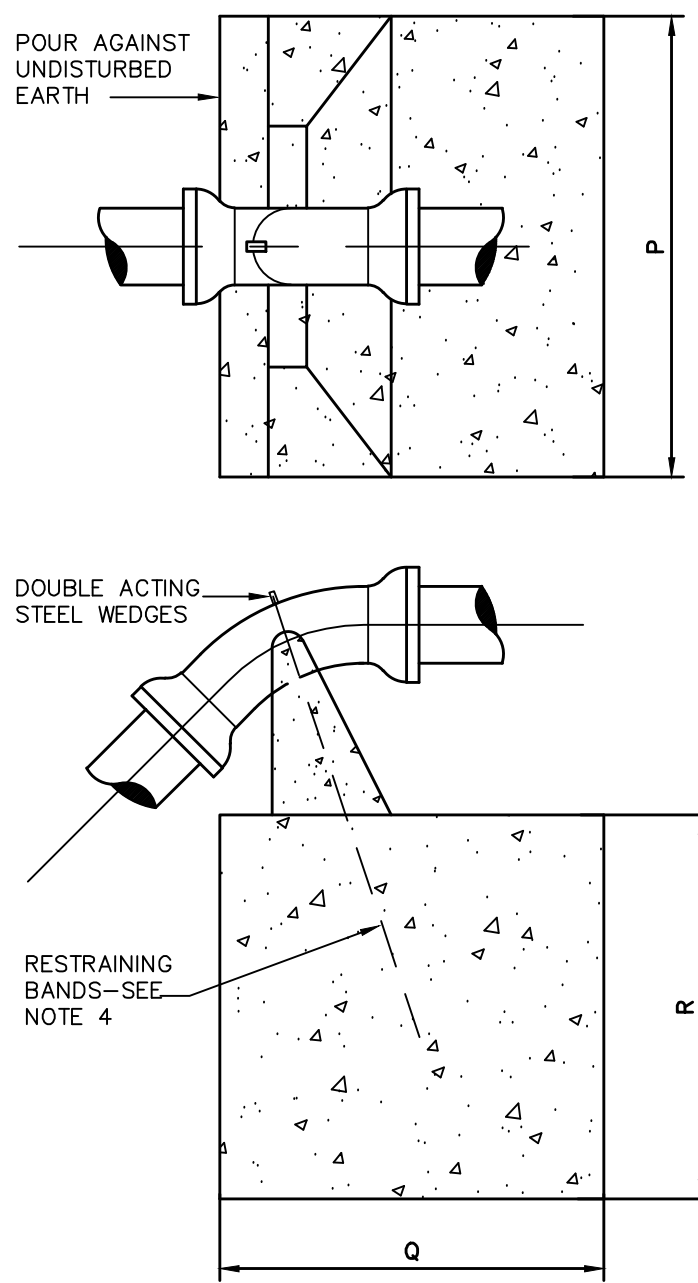
1. EXCAVATE A 4 INCH \* 4 INCH TRENCH ALONG THE LOWER PERIMETER OF THE SITE.
2. UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH (NET SIDE AWAY FROM DIRECTION OF FLOW).
3. DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS APPROXIMATELY 2 INCHES FROM THE TRENCH BOTTOM.
4. LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH. BACKFILL THE TRENCH AND TAMP THE SOIL. STEEPER SLOPES REQUIRE AN INTERCEPT TRENCH.
5. JOIN SECTIONS AS SHOWN ABOVE.

PROJECT: <b>PROPOSED 2-LOT SUBDIVISION          3138 HEARTHSTONE ROAD          TOWN OF YORKTOWN          WESTCHESTER COUNTY - NEW YORK</b>		
DETAILS 		
EXPIRES: 05/31/26 Date: 10/17/25 Sheet: 6 Scale: AS NOTED Designed By: D.C. Checked By: M.S. Sheet No.		<b>C-5</b>





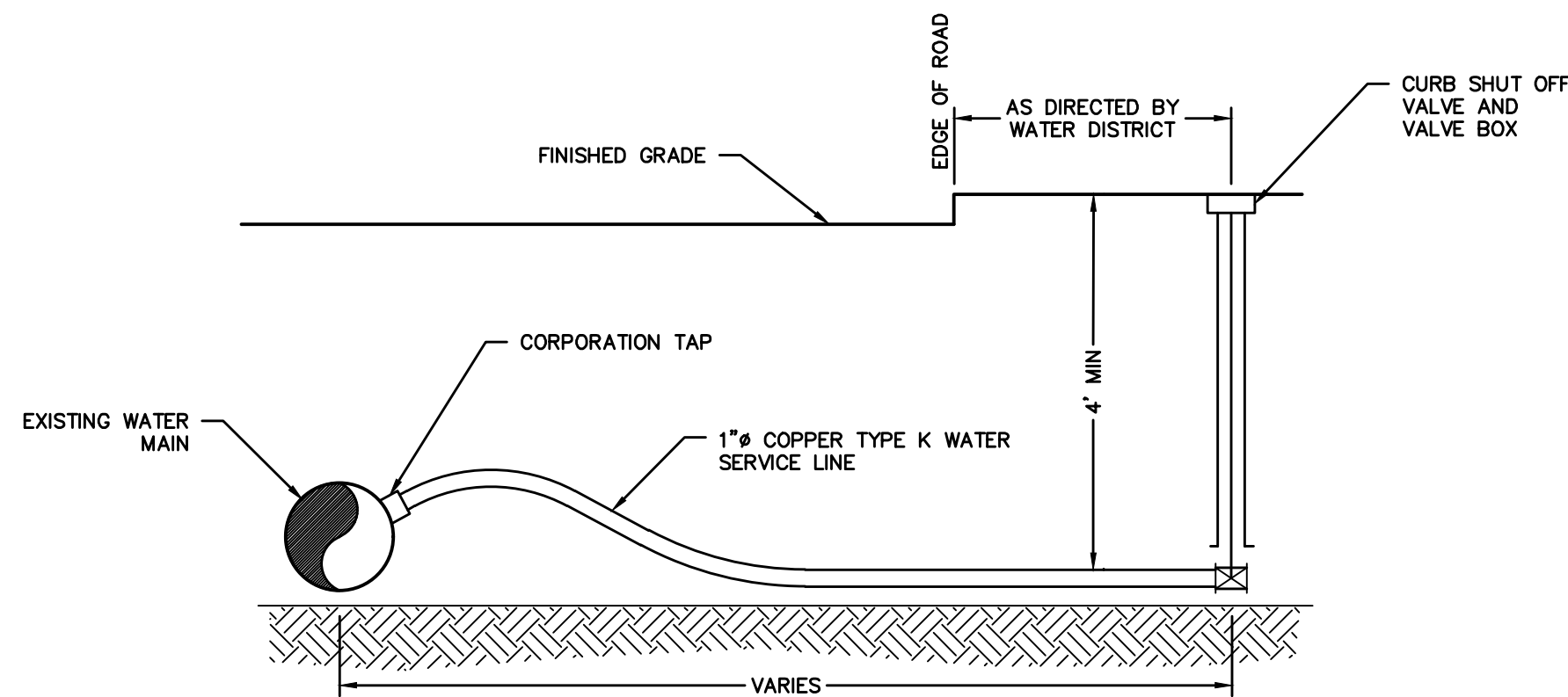
## TEES



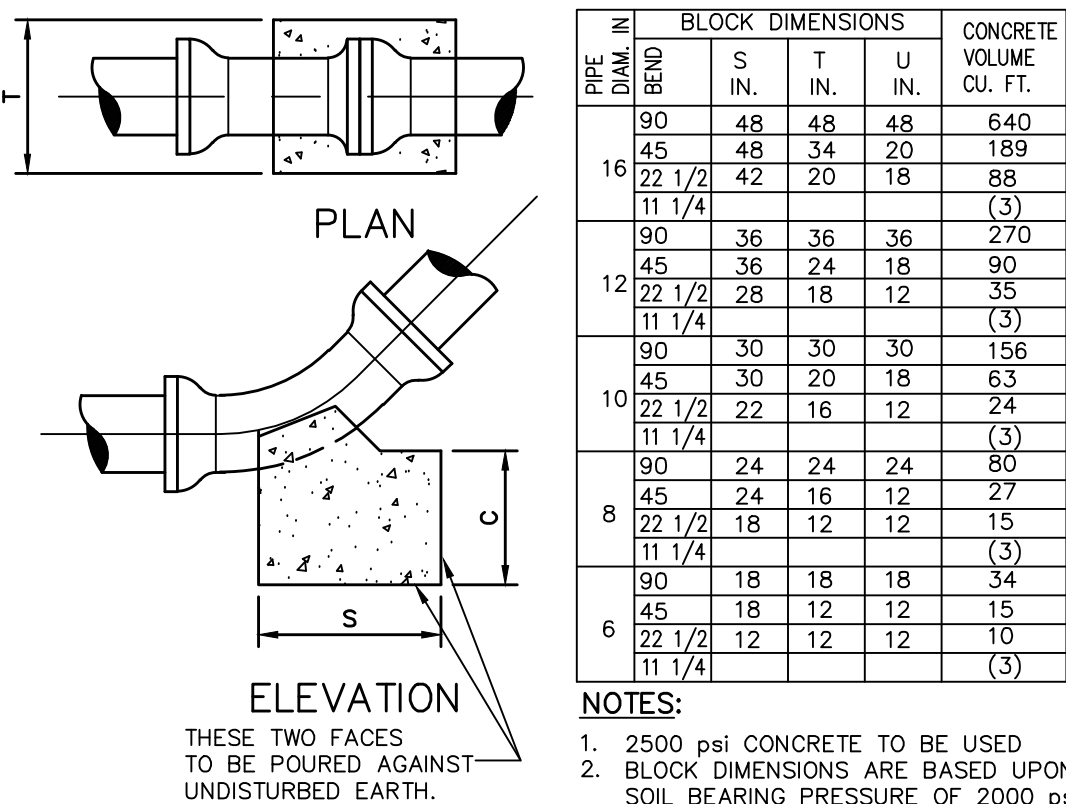
ELEVATION

## CREST VERTICAL BENDS

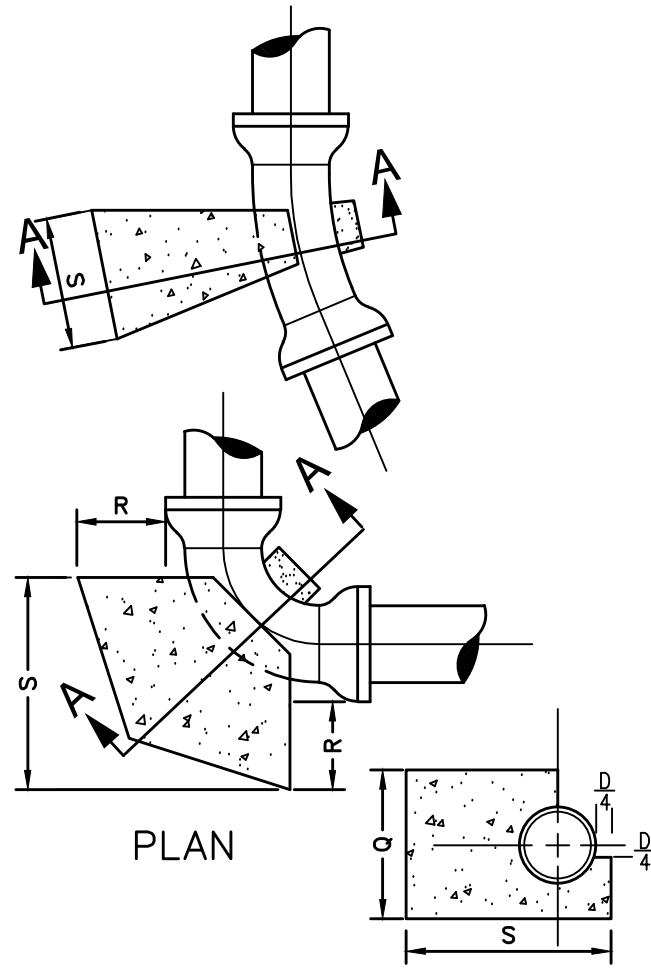
**NOTE:**  
IN ADDITION TO THE CONCRETE THRUST BLOCKS, ALL FITTINGS TO BE TIED TOGETHER WITH 3/4" GALVANIZED THREADED RODS, AND ANY OTHER SPECIALS AS DIRECTED BY THE WATER DISTRICT.



## WATER SERVICE LATERAL



## SAG VERTICAL BENDS

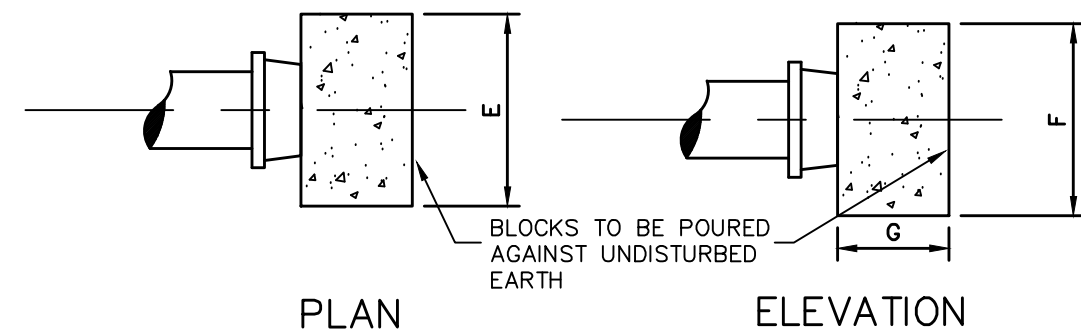


## SECTION AA HORIZONTAL BENDS

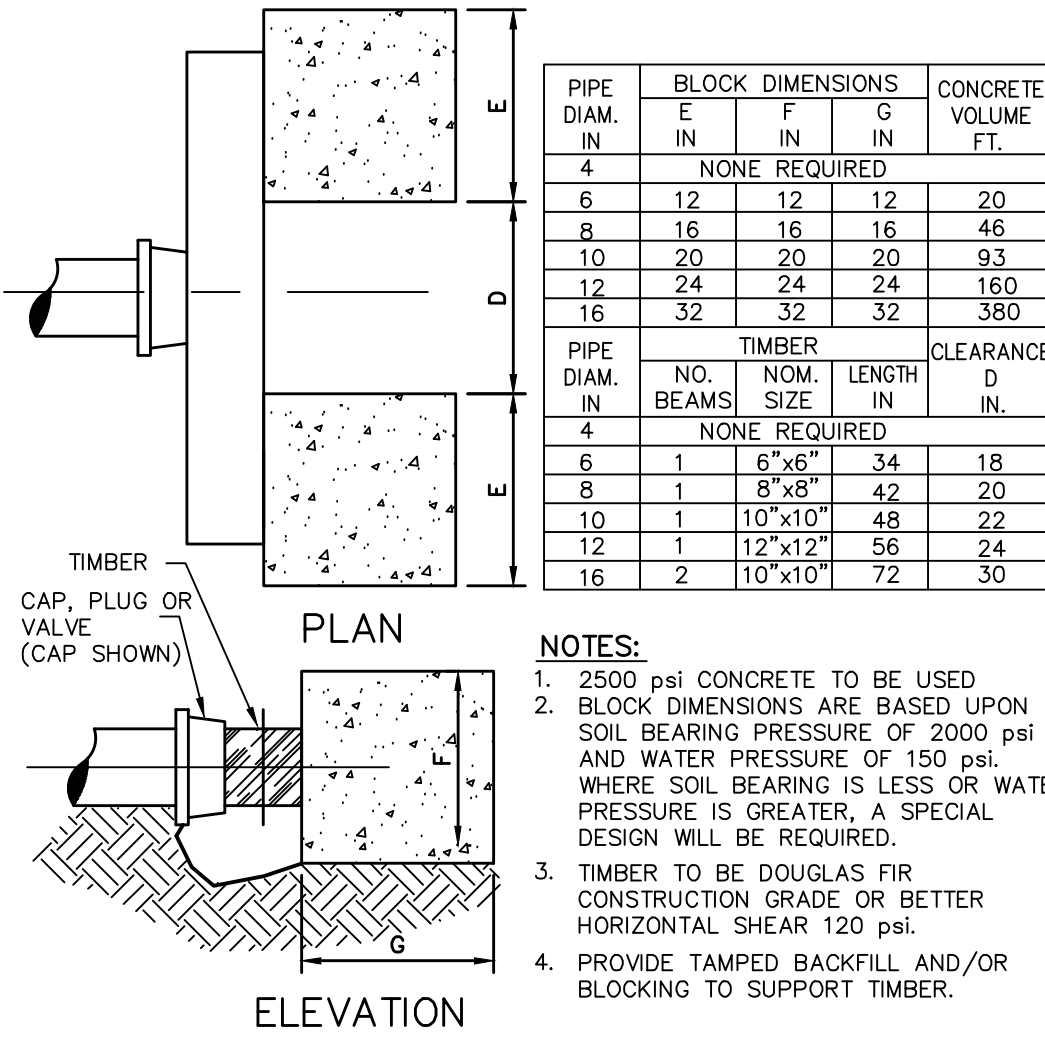
PIPE DIA. IN.	BEND	S IN.	Q IN.	R IN.	CONCRETE VOLUME CU. FT.
45	72	60	56	52	
16	11 1/4	60	48	44	27
45	60	48	48	3.0	
12	22 1/2	42	42	40	15
11 1/4	34	34	34	0.84	
45	54	42	42	2.0	
10	22 1/2	36	36	36	1.0
11 1/4	30	30	30	0.58	
45	48	36	36	1.3	
22 1/2	32	32	32	0.71	
11 1/4	26	26	26	0.38	
45	42	30	28	0.76	
22 1/2	26	26	26	0.38	
11 1/4	24	24	24	0.30	

**NOTES:**

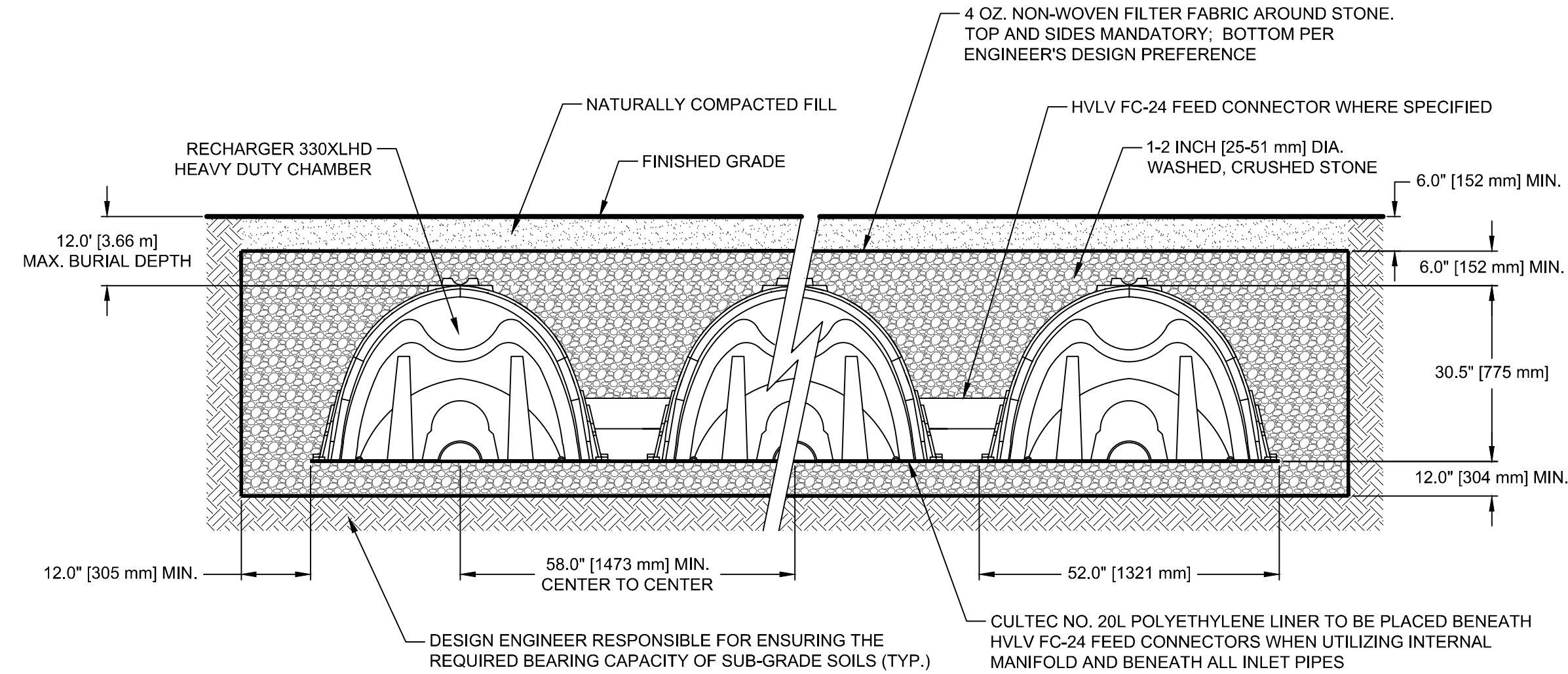
- 2500 psi CONCRETE TO BE USED
- BLOCK DIMENSIONS ARE BASED UPON SOIL BEARING PRESSURE OF 2000 psi AND WATER PRESSURE OF 150 psi. WHERE SOIL BEARING IS LESS OR WATER PRESSURE IS GREATER, A SPECIAL DESIGN WILL BE REQUIRED.



## CAPS, PLUGS AND VALVES

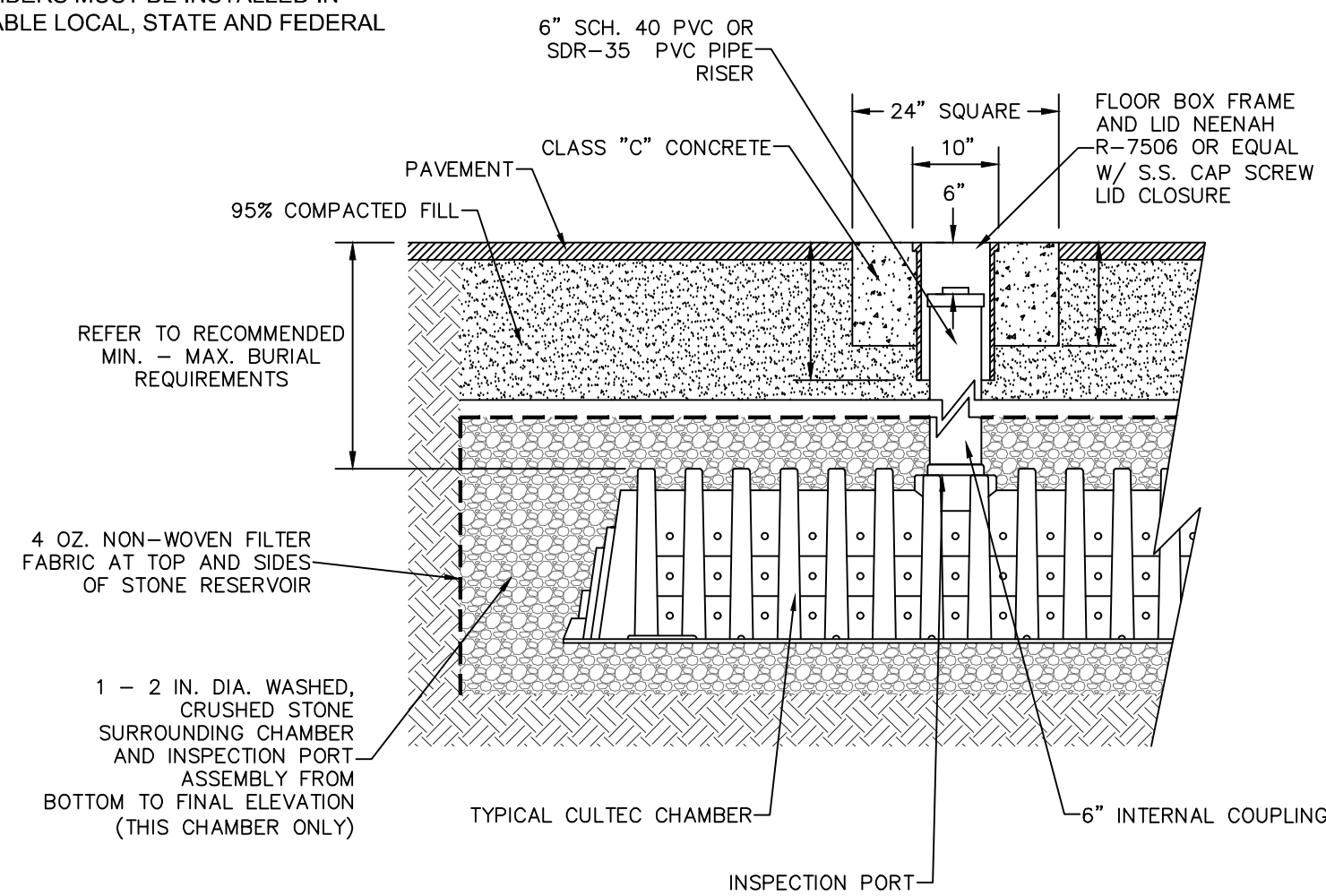


## DEAD ENDS

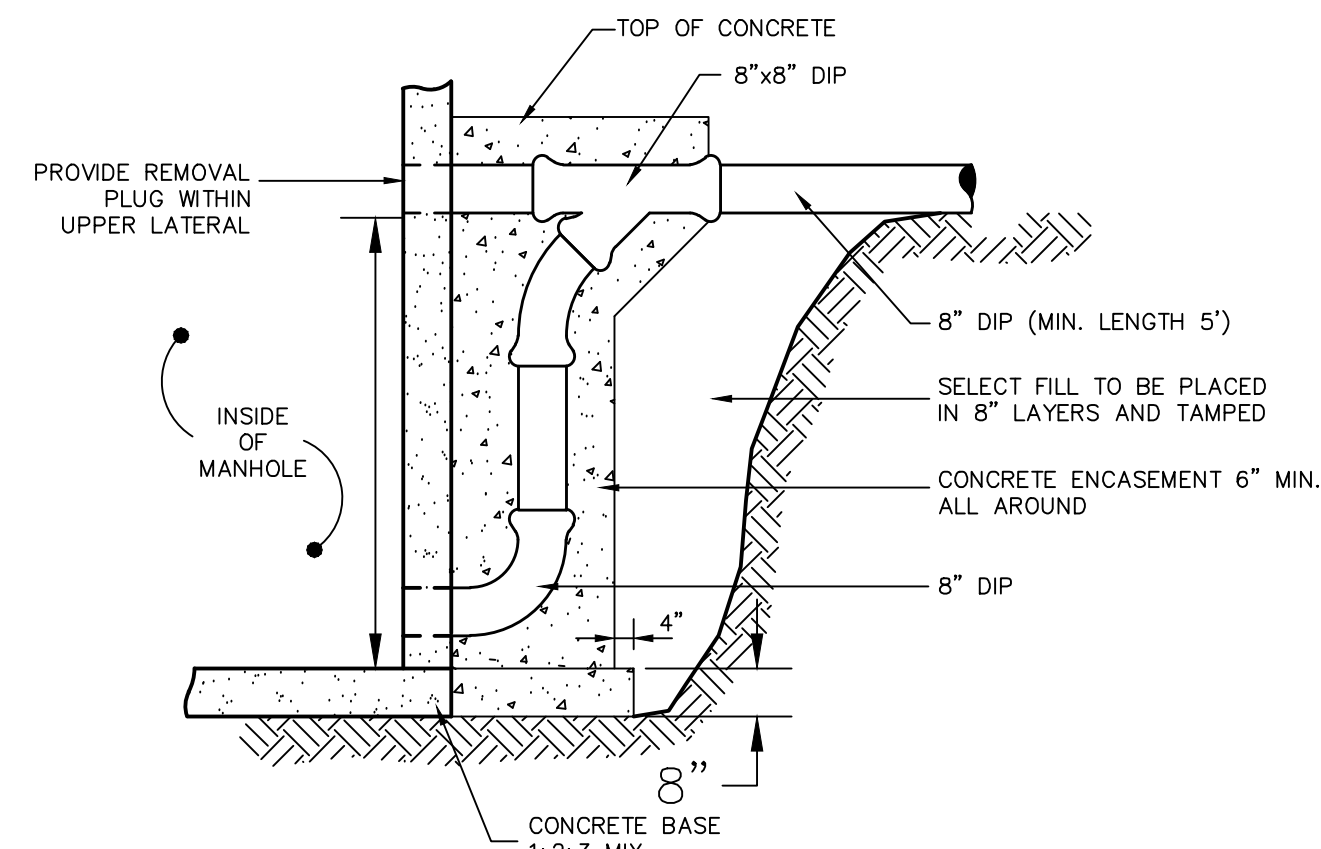


## TYPICAL CROSS SECTION RECHARGER 330XL

**CULTEC GENERAL NOTES**  
RECHARGER 330XL HD BY CULTEC, INC. OF BROOKFIELD, CT.  
STORAGE PROVIDED = 11.32 CF/FT [1.05 m³/m] PER DESIGN UNIT.  
REFER TO CULTEC, INC.'S CURRENT RECOMMENDED INSTALLATION GUIDELINES.  
THE CHAMBER WILL BE DESIGNED TO WITHSTAND TRAFFIC LOADS WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS  
ALL RECHARGER 330XL HD HEAVY DUTY UNITS ARE MARKED WITH A COLOR STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER.  
ALL RECHARGER 330XL HD CHAMBERS MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS



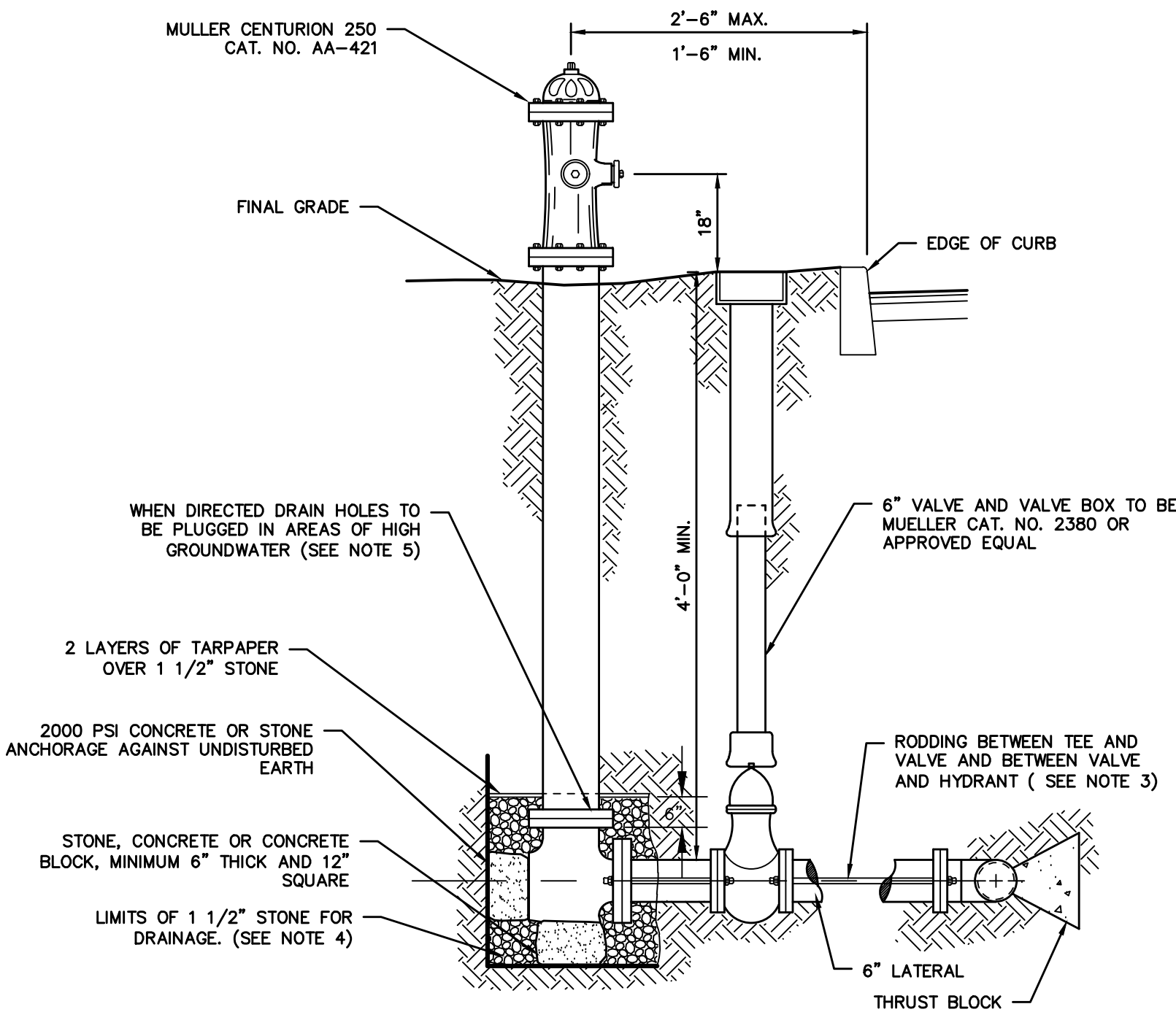
## RECHARGER ACCESS PORT



## EXTERIOR DROP MANHOLE CONNECTION

**HYDRANT NOTES:**

- PUMPER OUTLET SHALL FACE STREET; HOSE OUTLETS SHALL BE PARALLEL TO STREET.
- PLUMPTNESS OF HYDRANT TO BE CHECKED IN TWO DIRECTIONS, 90° APART.
- RODDING SHALL CONSIST OF TWO 3/4" THREADED RODS CAREFULLY COATED WITH BITUMASTIC PAINT. RODDING MAY BE OMITTED BETWEEN THE MAIN AND LATERAL VALVE ONLY WHERE A TAPPING VALVE OR HYDRANT VALVE ANCHORING TEE IS USED.
- 1 1/2" STONE SHALL BE PLACED AROUND THE HYDRANT FROM THE BOTTOM OF THE TRENCH, BUT AT LEAST 6" BELLOW THE BASE OF THE HYDRANT TO 6" ABOVE THE WASTE OPENING AND TO A DISTANCE OF 12" AROUND THE ELBOW.
- HYDRANTS WITH PLUGGED DRAINS SHALL HAVE A 3" BLACK CIRCLE PAINTED DIRECTLY UNDER THE PUMPER OUTLET.
- HYDRANT DRAINS TO BE PLUGGED WHERE THE WATER TABLE IS WITHIN 7 FEET OF FINISHED GRADE. WHEN THE DRAINS ARE PLUGGED; THE BARRELS MUST BE PUMPED DRY AFTER USE DURING FREEZING WEATHER. WHERE HYDRANT DRAINS ARE NOT PLUGGED, A GRAVEL POCKET OR DRY WELL SHALL BE PROVIDED UNLESS THE NATURAL SOILS WILL PROVIDE ADEQUATE DRAINAGE. HYDRANT DRAINS SHALL NOT BE CONNECTED TO OR LOCATED WITHIN 10 FT. OF SANITARY SEWERS OR STORM DRAINS.
- HYDRANT TO CONFORM TO VILLAGE SPECIFICATIONS.
- AS PER SECTION 8.4.4 OF THE RECOMMENDED STANDARDS FOR WATER WORKS, 2003 EDITION:
  - HYDRANT DRAINS SHOULD BE PLUGGED. WHEN THE DRAINS ARE PLUGGED THE BARRELS MUST BE PUMPED DRY AFTER USE DURING FREEZING WEATHER.
  - WHERE HYDRANT DRAINS ARE NOT PLUGGED, A GRAVEL POCKET OR DRY WELL SHALL BE PROVIDED UNLESS THE NATURAL SOILS WILL PROVIDE ADEQUATE DRAINAGE.
  - HYDRANT DRAINS SHALL NOT BE CONNECTED TO OR LOCATED WITHIN 10 FEET OF SANITARY SEWERS, STORM SEWERS, OR STORM DRAINS.
  - HYDRANT DRAINS, WHERE ALLOWED, MUST BE ABOVE THE SEASONAL GROUNDWATER TABLE.

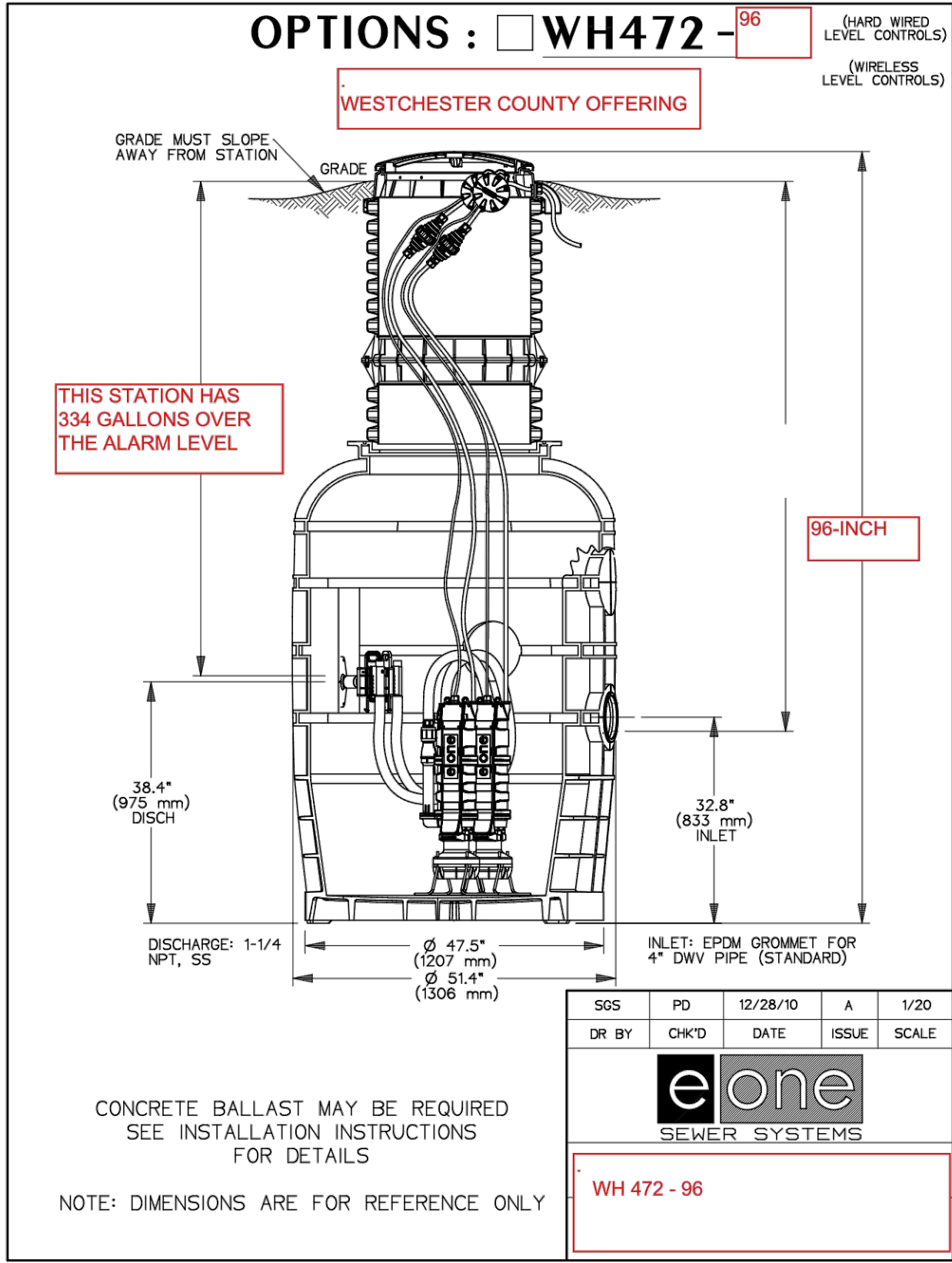


## HYDRANT SETTING

PROJECT: <b>PROPOSED 2-Lot SUBDIVISION</b> <b>3138 HEARTHSTONE ROAD</b> <b>TOWN OF YORKTOWN</b> <b>WESTCHESTER COUNTY – NEW YORK</b>		
DETAILS <b>HUDSON</b> <b>ENGINEERING</b> <b>CONSULTING, P.C.</b> 45 Knollwood Road - Suite 201 Elmsford, New York 10523 T: 914-909-0420 F: 914-560-2086		
THIS PLAN NOT VALID FOR CONSTRUCTION WITHOUT ENGINEER'S SEAL & SIGNATURE CERTIFICATE OF AUTHORIZATION: 0018997	Date: 10/17/25 Scale: AS NOTED Designed By: D.C. Checked By: M.S. Sheet No. 9	EXPIRES: 05/31/26 <b>C-6</b>

ANY ALTERATIONS OR REVISIONS OF THESE PLANS, UNLESS DONE BY OR UNDER THE DIRECTION OF THE NYS LICENSED AND REGISTERED ENGINEER THAT PREPARED THEM, IS A VIOLATION OF THE NYS EDUCATION LAW.

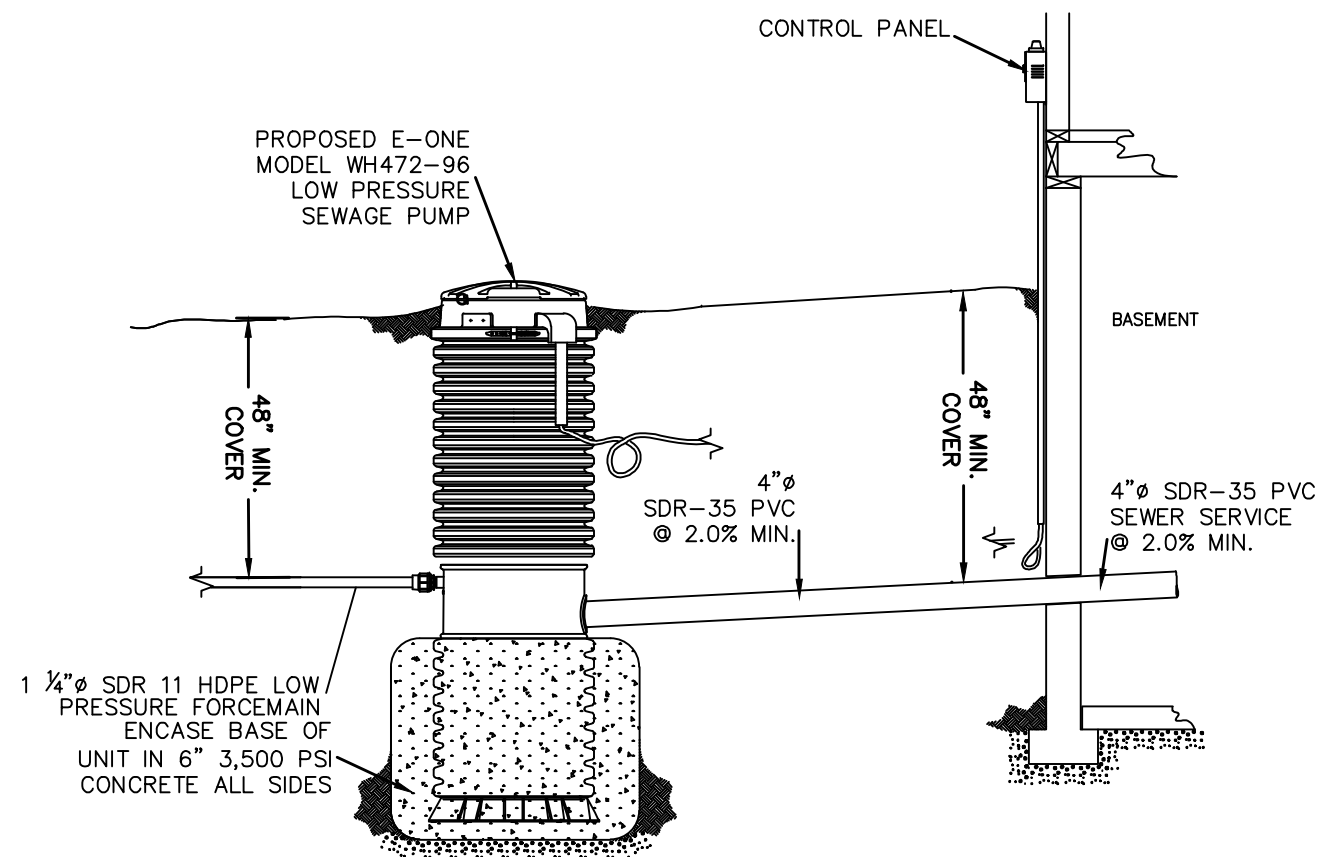




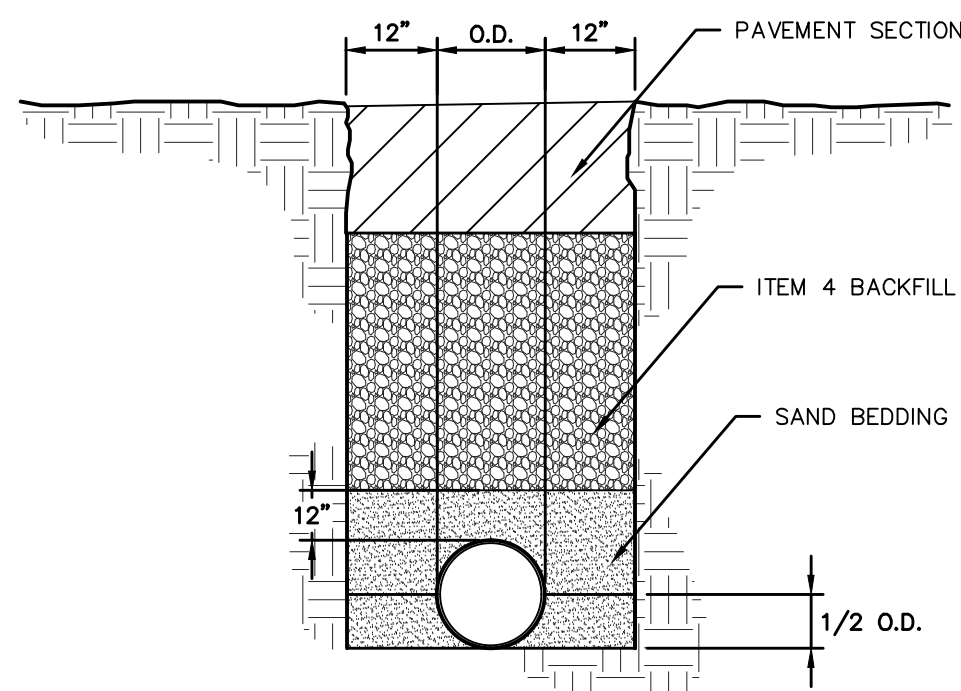
**NOTE:**

1. EONE PUMP STATION SHALL BE DUPLEX PUMP ARRANGEMENT WITH A PERMANENTLY INSTALLED QUICK CONNECT TRANSFER SWITCH FOR THE CONNECTION OF A STAND BY GENERATOR IN THE EVENT OF A POWER OUTAGE.

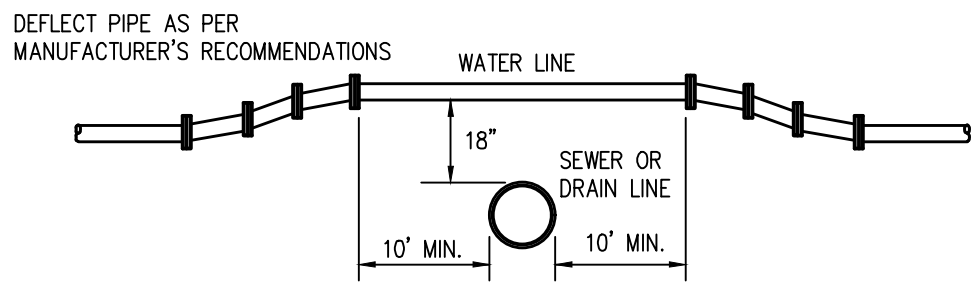
**LOW PRESSURE SEWAGE PUMP**



**LOW PRESSURE SEWAGE PUMP  
TYPICAL INSTALLATION**



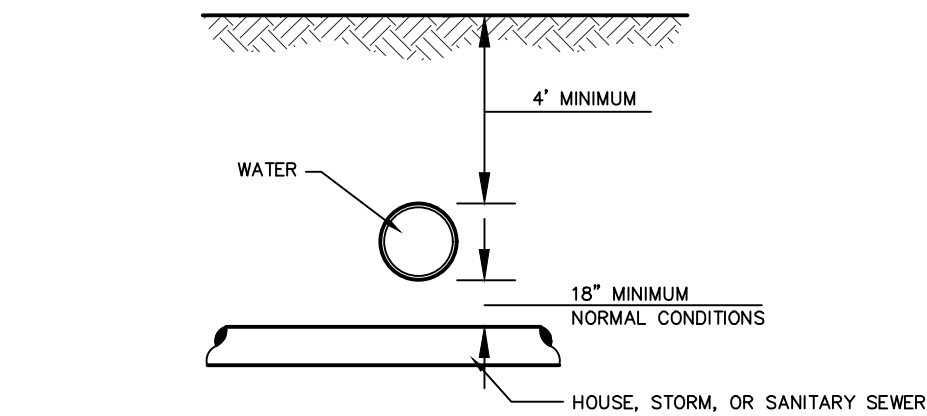
**TRENCH BEDDING (PAVED  
AREAS)**



**NOTE :**

FOR ANY CONDITIONS OTHER THAN SHOWN ABOVE THE FOLLOWING REQUIREMENTS SHALL BE MET. THE JOINTS OF THE SANITARY SEWER OR STORM DRAIN SHALL BE A MINIMUM OF 10' FROM THE POINT OF CROSSING AND THE SANITARY SEWER SHALL BE CLASS 100 PRESSURE PIPE & THE STORM DRAIN SHALL BE DUCTILE IRON.

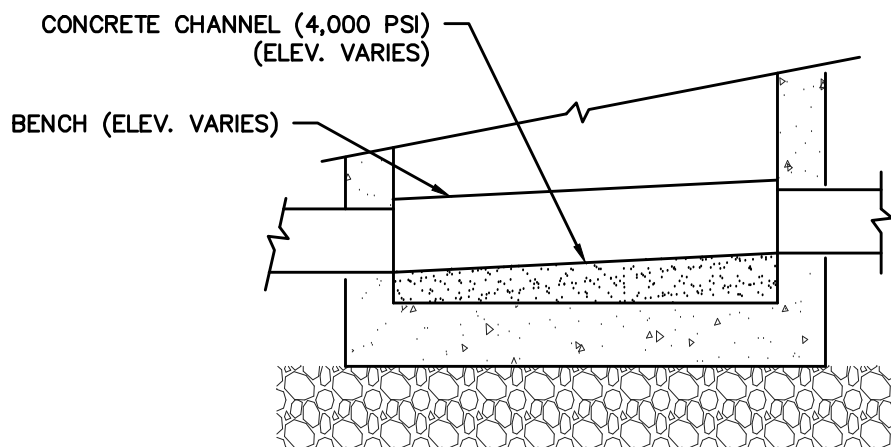
**CROSSING OF WATER LINE OVER  
SANITARY SEWER OR STORM DRAIN**



**UNUSUAL CONDITIONS**

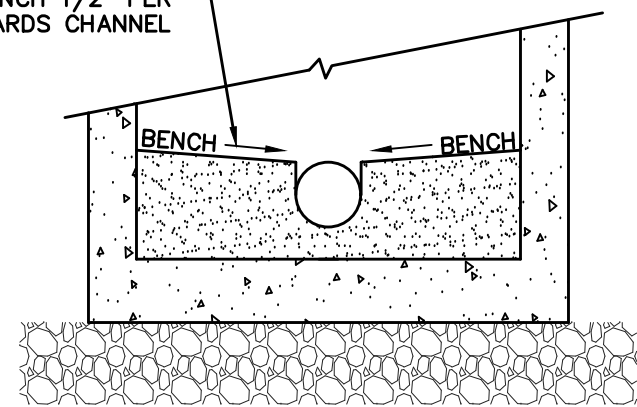
WATER MAINS PASSING UNDER SEWERS SHALL HAVE A VERTICAL CLEARANCE OF 18" MIN. BETWEEN THE SEWER AND WATER MAIN AND THE SEWER SHALL BE SUPPORTED AS DIRECTED BY THE ENGINEER. TO THE EXTENT FEASIBLE, JOINTS IN THE WATER MAIN SHALL BE KEPT AS FAR AS POSSIBLE FROM THE SEWER. WHERE AN 18" SEPARATION CANNOT BE OBTAINED DUE TO FIELD CONDITIONS, SEPARATE APPROVAL OF THE WESTCHESTER COUNTY HEALTH DEPARTMENT SHALL BE REQUIRED.

**SEPARATION OF WATER MAINS AND  
SEWER CROSSINGS**



**SECTION A-A'**

SLOPE BENCH 1/2" PER FT TOWARDS CHANNEL

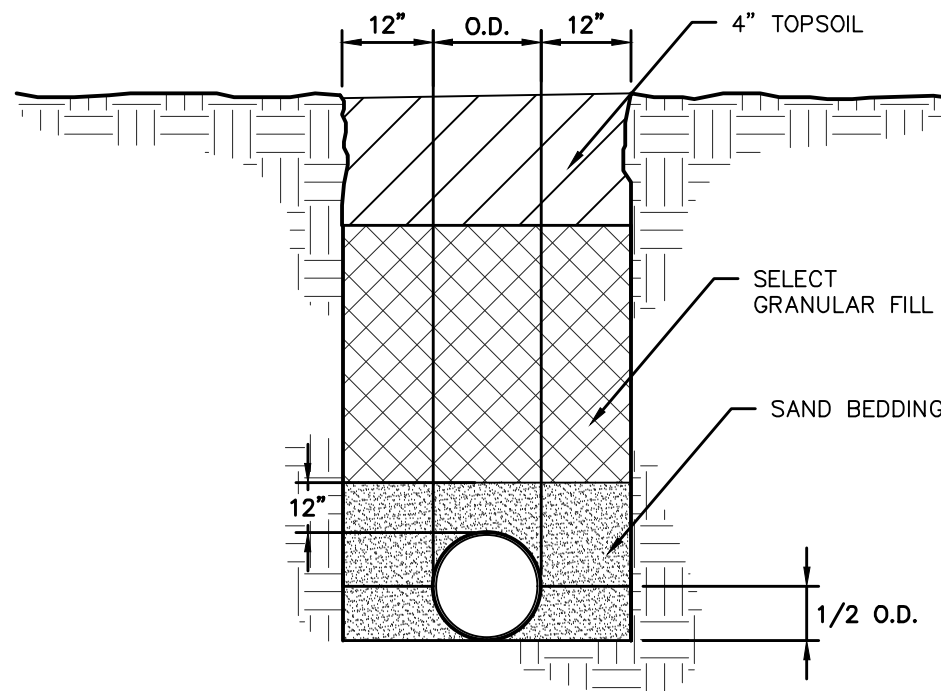


**SECTION B-B'**

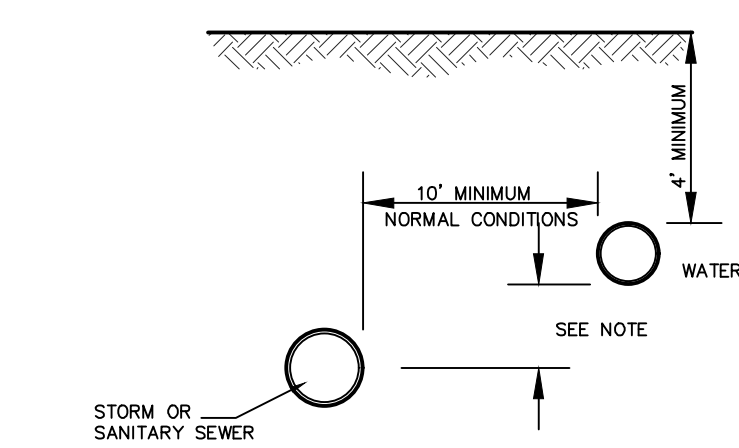
**NOTES:**

1. SLOPE CHANNEL DOWN 0.10 FEET FROM INLET TO OUTLET.
2. MAKE CHANGES IN FLOW DIRECTION BY CIRCULAR CHANNEL CONSTRUCTION WITH MAXIMUM RADIUS POSSIBLE.
3. FOR DEAD-END MANHOLES, BUILD CHANNEL AS DIRECTED BY ENGINEER.

**FORMED INVERT CHANNEL  
FOR SEWER MANHOLES**



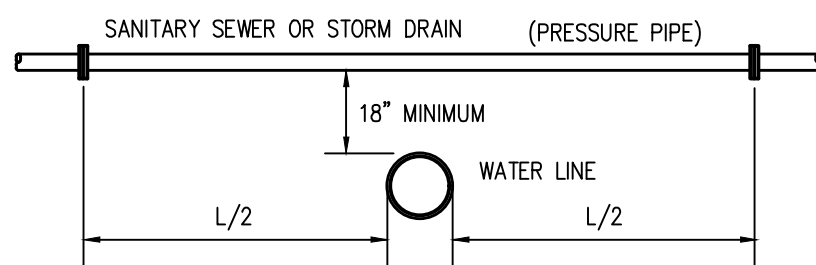
**TRENCH BEDDING  
(NON-PAVED AREAS)**



**NOTE:**

WHERE A 10' HORIZONTAL SEPARATION CANNOT BE OBTAINED DUE TO FIELD CONDITIONS THE VERTICAL CLEAR DISTANCE SHALL BE A MINIMUM OF 18" HOWEVER, AN EXCEPTION TO THE 10' MINIMUM HORIZONTAL SEPARATION REQUIRES SEPARATE APPROVAL OF THE WESTCHESTER COUNTY HEALTH DEPT.

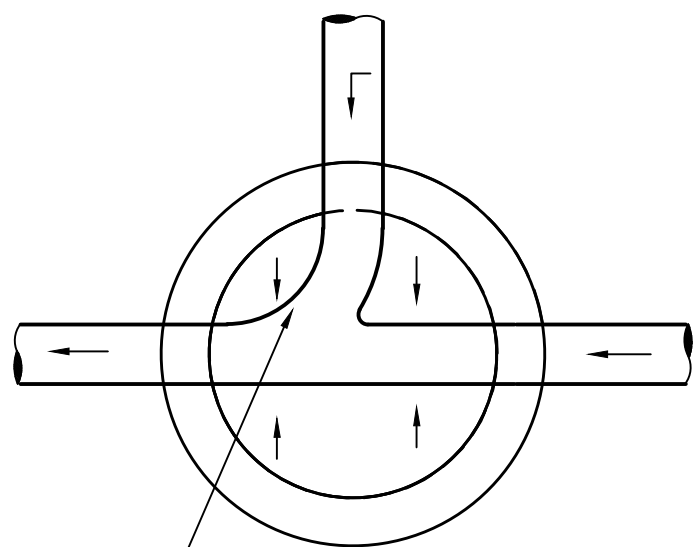
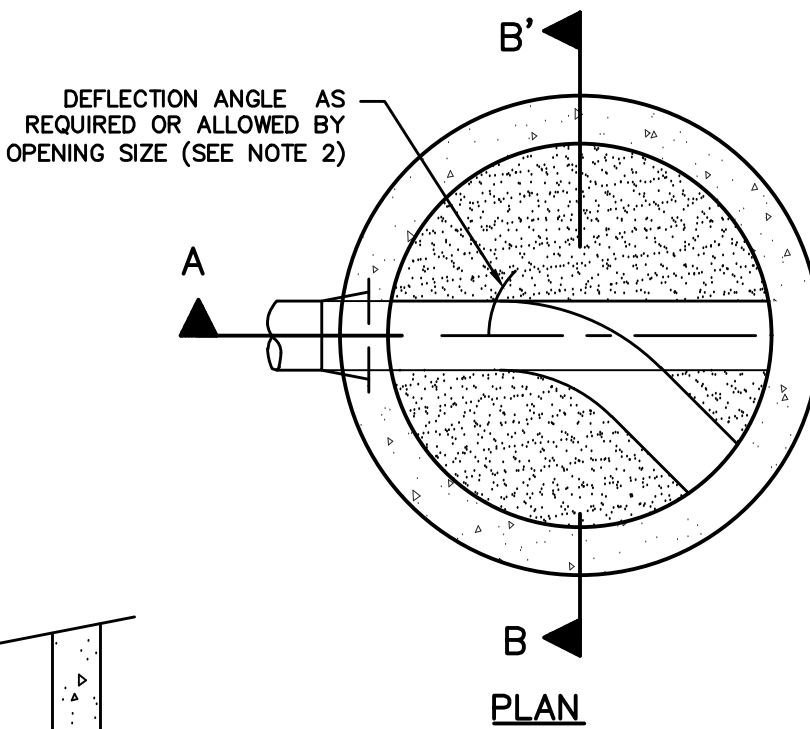
**SEPARATION OF WATER MAINS AND  
SEWERS - PARALLEL INSTALLATION**



**NOTE :**

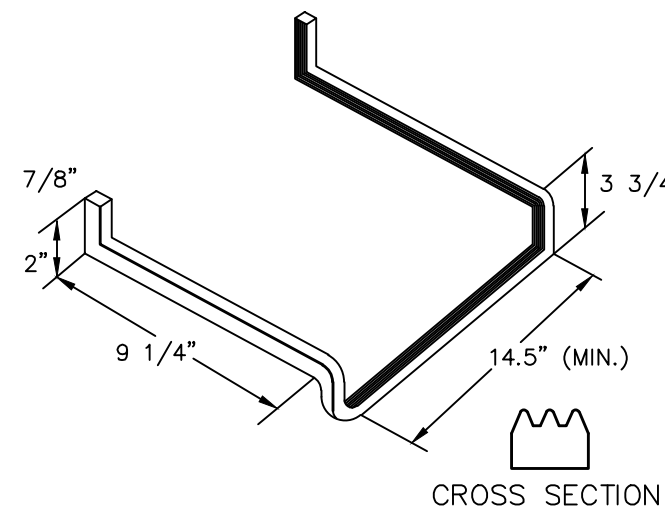
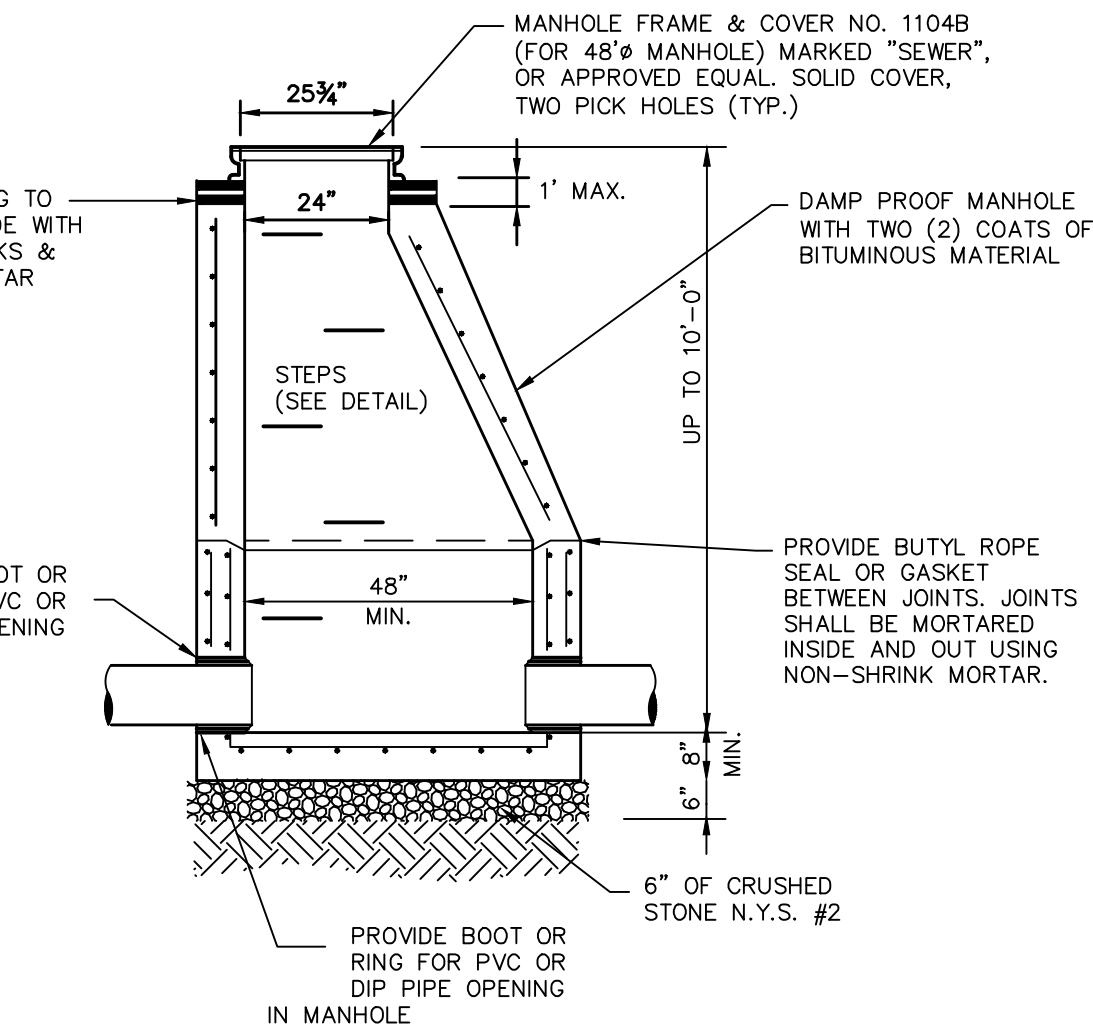
WHERE WATER LINE PASSES BENEATH SEWER LINE OR STORM DRAIN, THE JOINTS OF THE PIPE SHALL BE A MIN. OF 10' FROM THE POINT OF CROSSING AND THE SANITARY SEWER SHALL BE CLASS 100 PRESSURE PIPE & THE STORM DRAIN SHALL BE DUCTILE IRON PIPE.

**CROSSING OF WATER LINE UNDER  
SANITARY SEWER OR STORM DRAIN**



**TYPICAL MANHOLE BASE**

1. STEPS SHALL BE PLACED APPROXIMATELY 12" ON CENTER FOR THE FULL DEPTH OF THE MANHOLE. NO STEPS WILL BE REQUIRED IN MANHOLES LESS THAN 4' DEEP.
2. STEPS SHALL BE COPOLYMER POLYPROPYLENE WITH GRADE 60 STEEL REINFORCED ROD.
3. STEP SHALL BE MANUFACTURED WITH 3" STEEL IN ACCORDANCE WITH ASTM A615



**STEP DETAIL**

**PRECAST CONCRETE  
SANITARY MANHOLE**

No.	Description	Revisions	Date

THIS PLAN NOT VALID FOR CONSTRUCTION WITHOUT ENGINEER'S SEAL & SIGNATURE  
CERTIFICATE OF AUTHORIZATION: 0018997

PROJECT: PROPOSED 2-LOT SUBDIVISION  
3138 HEARTHSTONE ROAD  
TOWN OF YORKTOWN  
WESTCHESTER COUNTY - NEW YORK

DETAILS

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&  
CONSULTING, P.C.  
45 Knollwood Road - Suite 201  
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T: 914-909-0420  
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**HEC**

EXPIRES: 05/31/26  
Date: 10/17/25 Sheet: 8  
Scale: AS NOTED  
Designed By: D.C.  
Checked By: M.S.  
Sheet No. 9

**C-7**

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DURING THE CONSTRUCTION PHASE OF THE PROJECT, A SEDIMENT AND EROSION CONTROL PLAN SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION'S BEST MANAGEMENT PRACTICES (BMP). THE PRIMARY GOALS OF THE SEDIMENT AND EROSION CONTROL PLAN ARE TO PREVENT THE TRACKING OF DIRT AND MUD ONTO ADJACENT ROADS, TO PREVENT MUD AND SILT FROM ENTERING INTO EXISTING AND PROPOSED DRAINAGE FACILITIES, AND TO PROTECT THE RECEIVING WATERS FROM CONTAMINATION DURING THE CONSTRUCTION.

A NEW YORK STATE PROFESSIONAL ENGINEER OR CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (P.E. OR CPESC) SHALL CONDUCT AN ASSESSMENT OF THE SITE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND CERTIFY IN AN INSPECTION REPORT THAT THE APPROPRIATE EROSION AND SEDIMENT CONTROLS SHOWN ON THE PLAN HAVE BEEN ADEQUATELY INSTALLED AND/OR IMPLEMENTED TO ENSURE OVERALL PREPAREDNESS OF THE SITE FOR CONSTRUCTION. FOLLOWING THE COMMENCEMENT OF CONSTRUCTION, SITE INSPECTIONS SHALL BE CONDUCTED BY THE P.E. OR CPESC AT LEAST EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 0.5 INCHES OR GREATER.

1. ON A SITE MAP, INDICATE THE EXTENT OF ALL DISTURBED SITE AREAS AND DRAINAGE PATHWAYS. INDICATE SITE AREAS THAT ARE EXPECTED TO UNDERGO INITIAL DISTURBANCE OR SIGNIFICANT SITE WORK WITHIN THE NEXT 14-DAY PERIOD;

- THE P.E. OR CPESC SHALL MAINTAIN A RECORD OF ALL INSPECTION REPORTS IN A SITE LOGBOOK. THE SITE LOGBOOK SHALL BE MAINTAINED ON-SITE AND BE MADE AVAILABLE TO THE TOWN/VILLAGE OF HARRISON AND THE NYSDC A SUMMARY OF THE SITE INSPECTION ACTIVITIES SHALL BE POSTED ON A MONTHLY BASIS IN A PUBLICLY ACCESSIBLE LOCATION AT THE SITE.

### CONSTRUCTION SEQUENCING

THE FOLLOWING EROSION CONTROL SCHEDULE SHALL BE UTILIZED:

1. INSTALL SILT FENCE IN THE LOCATIONS SHOWN ON THE PLANS. REMOVE VEGETATION AS NECESSARY FOR SILT FENCE INSTALLATION.

7. PROVIDE CONSTRUCTION STAGING AREA ADJACENT TO BUILDING FOUNDATIONS. STAGING AREA TO BE DELINEATED WITH ORANGE SAFETY CONSTRUCTION FENCING.

8. INSTALL ALL UTILITY EXTENSIONS FOR PROPOSED DEVELOPMENT AS FOLLOWS (ALL TRENCHING FOR UTILITY INSTALLATIONS SHALL BE COMPLETED SIMULTANEOUSLY, AS TO LIMIT ANY UNNECESSARY DISTURBANCE. NO MORE THAN 100 LINEAR FEET OF TRENCH SHALL BE OPEN AT ANY GIVEN TIME):

9. EXCAVATE AND INSTALL EXFILTRATION SYSTEM ON EACH LOT PER MANUFACTURERS RECOMMENDATIONS AND REQUIREMENTS. PLUG ALL OPENINGS TO PREVENT SEDIMENT FROM ENTERING THE SYSTEMS

12. CONSTRUCT BUILDINGS. INSTALL AND CONNECT ALL ROOF DRAIN LEADERS TO PREVIOUSLY CONSTRUCTED EXFILTRATION GALLERY AS SHOWN ON THE PLANS. ALL INLETS TO THE PROPOSED SYSTEM SHALL REMAIN PLUGGED UNTIL SITE IS STABILIZED.

- i. SPRING/SUMMER OR EARLY FALL, SEED THE AREA WITH RYEGRASS (ANNUAL OR PERENNIAL) AT 30 LBS. PER ACRE (APPROXIMATELY 0.7 LB/1000 SQ. FT. OR USE 1 LB/1000 SQ. FT.).
- ii. LATE FALL OR EARLY WINTER, SEED CERTIFIED 'AROOSTOOK' WINTER RYE (CEREAL RYE) AT 100 LBS. PER ACRE (2.5 LBS/1000 SQ. FT.).

- \*SOIL EROSION AND SEDIMENT CONTROL MAINTENANCE MUST OCCUR EVERY TWO WEEKS AND PRIOR TO AND AFTER EVERY 1/2" OR GREATER RAINFALL EVENT.

GENERAL :

GENERAL :

ADEQUATE MEASURES SHALL BE TAKEN TO MINIMIZE CONTAMINANT PARTICLES ARISING FROM THE DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIALS, GRADING OPERATIONS, AND THE RECLAMATION AND PLACEMENT OF PAVEMENT, DURING PROJECT CONSTRUCTION, INCLUDING BUT NOT LIMITED TO:

- ANY ALTERATIONS OR REVISIONS OF THESE PLANS, UNLESS DONE BY OR UNDER THE DIRECTION OF THE NYS LICENSED AND REGISTERED ENGINEER THAT PREPARED THEM, IS A VIOLATION OF THE NYS EDUCATION LAW.

- SPILL CONTROL & SPILL RESPONSE:**

- \* SPILL KITS CONTAINING APPROPRIATE MATERIALS AND EQUIPMENT FOR SPILL RESPONSE AND CLEANUP WILL BE MAINTAINED BY THE CONTRACTOR AT THE SITE.
- \* IF OIL SHEEN IS OBSERVED ON SURFACE WATER ACTION WILL BE TAKEN IMMEDIATELY TO REMOVE THE MATERIAL AND PREVENT IT FROM SHEETING THE WATER. USE APPROPRIATE MATERIALS TO CONTAIN AND ABSORB THE OIL. THE SOURCE OF THE OIL SHEEN WILL ALSO BE IDENTIFIED AND REMOVED OR REPAIRED AS NECESSARY TO PREVENT FURTHER RELEASES.
- \* IF A SPILL OCCURS THE CONTRACTOR OR THE SUPERINTENDENT'S DESIGNEE WILL BE RESPONSIBLE FOR COMPLETING THE SPILL REPORTING FORM AND FOR REPORTING THE SPILL TO THE CONTACTS LISTED BELOW.
- \* PERSONNEL WITH PRIMARY RESPONSIBILITY FOR SPILL RESPONSE AND CLEAN UP WILL RECEIVE TRAINING BY THE CONTRACTOR'S SITE SUPERINTENDENT OR DESIGNEE. THE TRAINING MUST INCLUDE IDENTIFYING THE LOCATION OF SPILL RESPONSE KITS AND EQUIPMENT, SPILL RESPONSE EQUIPMENT AND THE USE OF SPILL RESPONSE MATERIALS.
- \* SPILL RESPONSE EQUIPMENT WILL BE INSPECTED AND MAINTAINED AS NECESSARY TO REPLACE ANY MATERIALS USED IN SPILL RESPONSE ACTIVITIES.

### SPILL CONTROL NOTIFICATION

- ## STORMWATER MANAGEMENT FACILITIES MAINTENANCE PROGRAM

MEASURE	DATES FOR INSPECTION	TIMING, ACTIVITY, AND LOCATION
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- DURING CONSTRUCTION, THE PARTY RESPONSIBLE FOR IMPLEMENTING THE TEMPORARY (DURING CONSTRUCTION) STORMWATER MANAGEMENT FACILITIES MAINTENANCE PROGRAM WILL BE THE CONTRACTOR. THE NAME AND CONTACT INFORMATION WILL BE PROVIDED TO THE CITY WHITE PLAINS AND THE HOA AT THE TIME OF THE PRE-CONSTRUCTION MEETING. THE PERMANENT MAINTENANCE PROGRAM FOR ALL NEW STORMWATER MANAGEMENT FACILITIES WILL BE MANAGED BY THE HOA UPON COMPLETION OF CONSTRUCTION AND ACCEPTANCE OF THE IMPROVEMENTS.

MEASURE	DATES	TIMING, ACTIVITY, AND LOCATION
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SCHEDULE OF PERMANENT EROSION CONTROL MEASURES:

MEASURE	DATES FOR USE	TIMING, ACTIVITY, AND LOCATION
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