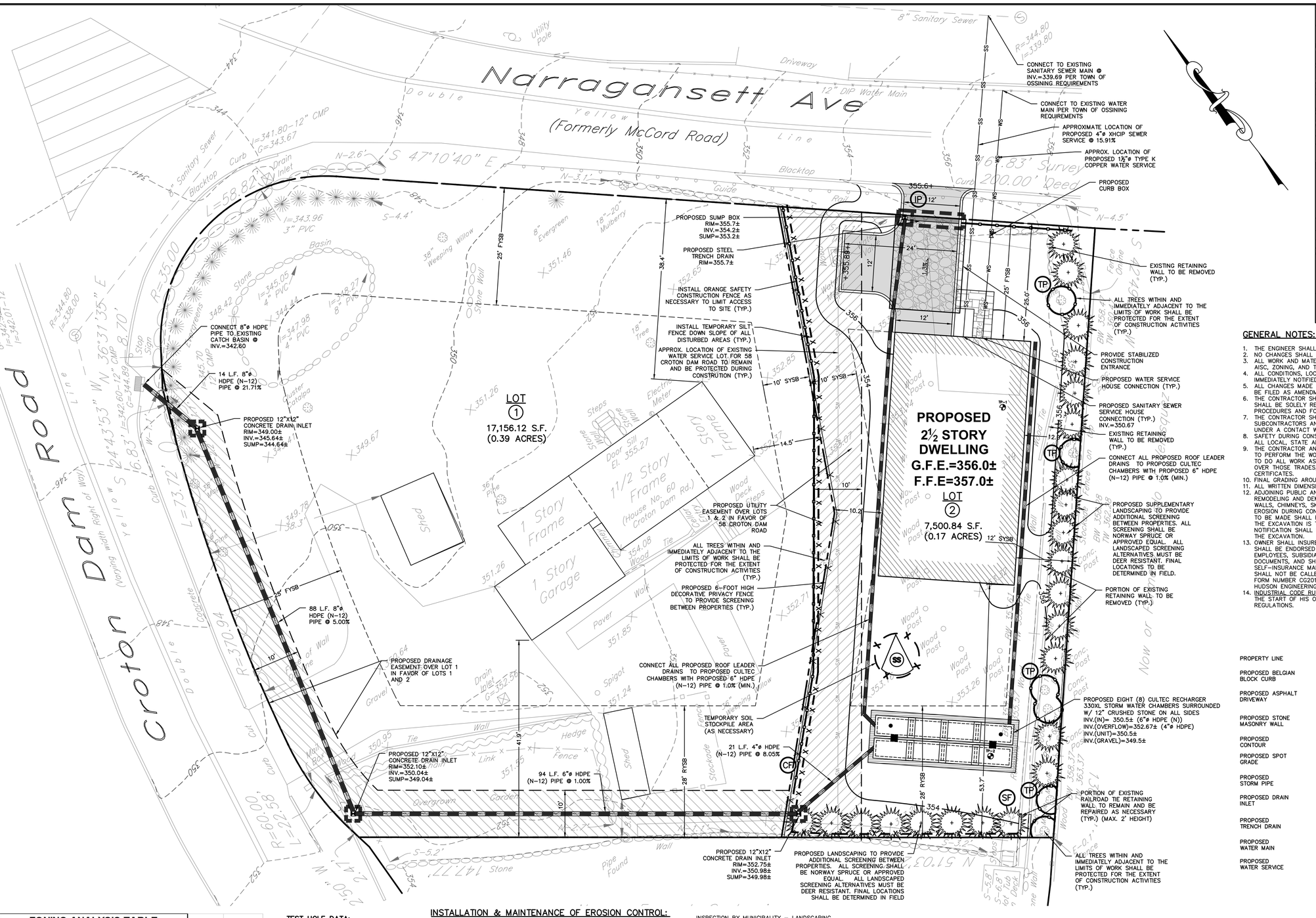
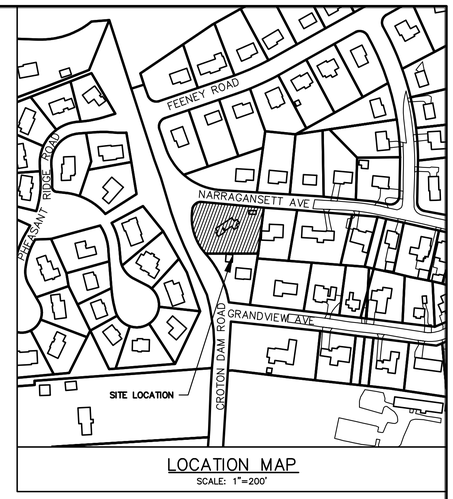




LOCATION MAP
SCALE: 1"=200'

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 ACI, AISC, 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.
7. 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 CONTACT WITH THE CONTRACTOR.
8. SAFETY DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM TO ALL LOCAL, STATE AND FEDERAL AGENCIES IN EFFECT DURING THE PERIOD OF CONSTRUCTION.
9. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL MAKE APPLICATION TO RECEIVE ALL NECESSARY PERMITS TO PERFORM THE WORK UNDER CONTRACT. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL BE LICENSED TO DO ALL WORK AS REQUIRED BY THE LOCAL, COUNTY, AND STATE AGENCIES WHICH MAY HAVE JURISDICTION OVER THOSE TRADES, AND SHALL PRESENT THE OWNER WITH COPIES OF ALL LICENSES AND INSURANCE CERTIFICATES.
10. FINAL GRADING AROUND THE BUILDING AREA SHALL SLOPE AWAY FROM THE STRUCTURE.
11. ALL WRITTEN DIMENSIONS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER ANY SCALED DIMENSIONS.
12. 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.
13. 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. ISO ADDITIONAL INSURED ENDORSEMENT FORM NUMBER CG2010 1185 UNDER GL. COPIES OF THE INSURANCE POLICIES SHALL BE SUBMITTED TO AND HUDSON ENGINEERING & CONSULTING, P.C., FOR APPROVAL PRIOR TO THE SIGNING OF THE CONTRACT.
14. 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.

LEGEND

PROPERTY LINE
PROPOSED BELGIAN BLOCK CURB
PROPOSED ASPHALT DRIVEWAY
PROPOSED STONE MASONRY WALL
PROPOSED CONTOUR — 526
PROPOSED SPOT GRADE +526.25
PROPOSED STORM PIPE
PROPOSED DRAIN INLET
PROPOSED TRENCH DRAIN
PROPOSED WATER MAIN — W —
PROPOSED WATER SERVICE — WS —
PROPOSED ELECTRICAL SERVICE
PROPOSED SANITARY SEWER SERVICE
TEMPORARY INLET PROTECTION (IP)
TEMPORARY SILT FENCE — X — X — (SF)
TEMPORARY CONSTRUCTION FENCE (CF)
TEMPORARY SOIL STOCKPILE AREA (SS)
TREE PROTECTION FENCE (TP)
STABILIZED CONSTRUCTION ENTRANCE
TEST PIT LOCATION TP-1
PROPOSED LIMIT OF DISTURBANCE

ZONING ANALYSIS TABLE

SECTION:9005 BLOCK: 2 LOT: 70	DISTRICT: R7.5		DISTRICT: R7.5	
REGULATION	REQ'D	PROPOSED LOT 1	REQ'D	PROPOSED LOT 2
Min Lot size (sf)	7,500	17,156	7,500	7,500
Min. Lot Width (ft.)	60	90	60	61
Min. Lot Depth (ft.)	100	134	100	130
Min. Yard Setbacks				
- Front (ft.)	25	38.4	25	25.0
- One Side (ft.)	10	14.5	10	10.2
- Both Sides (ft.)	22	-	22	22.2
- Rear (ft.)	28	41.9	28	53.7
Bldg. Coverage (sf)	2,250	1,452	2,250	1,508
Max. Bldg. Coverage (%)	30.00%	8.46%	30.00%	20.10%

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.

TEST HOLE DATA:

TEST HOLE #1
DEPTH – 30"
0"–10" TOPSOIL
10"–30" DARK BROWN CLAY
GROUNDWATER @ 30"
NO LEDGE

TEST HOLE #2
DEPTH – 96"
0"–8" TOPSOIL
8"–10" BROWN SANDY LOAM WITH ROCK
GROUNDWATER @ 96"
NO LEDGE
PERC. = 0.5" INCHES/HOUR

INSTALLATION & MAINTENANCE OF EROSION CONTROL:

CONSTRUCTION SCHEDULE
NOTIFY APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 5 DAYS PRIOR TO START.

EROSION CONTROL MEASURES
INSTALL ALL EROSION CONTROL MEASURES PRIOR TO START OF CONSTRUCTION. CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.

INSPECTION BY MUNICIPALITY
MAINTENANCE (TO BE PERFORMED DURING ALL PHASES OF CONSTRUCTION)

AFTER ANY RAIN CAUSING RUNOFF, CONTRACTOR TO INSPECT HAYBALES, ETC. AND REMOVE ANY EXCESSIVE SEDIMENT AND INSPECT STOCKPILES AND CORRECT ANY PROBLEMS WITH SEED ESTABLISHMENT.
INSPECTIONS SHALL BE DOCUMENTED IN WRITING AND SUBMITTED TO THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION.

INSPECTION BY MUNICIPALITY – FINAL GRADING
REMOVE UNNEEDED SUBGRADE FROM SITE.
CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.

INSPECTION BY MUNICIPALITY – LANDSCAPING

SPREAD TOPSOIL EVENLY OVER AREAS TO BE SEEDED. HAND RAKE LEVEL. BROADCAST 1.25 LB. BAG OF JONATHAN GREEN "FASTGROW" MIX OR EQUAL OVER AREA TO BE SEEDED. APPLY STRAW MULCH AND WATER WITHIN 2 DAYS OF COMPLETION OF TOPSOILING. CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.

INSPECTION BY MUNICIPALITY – FINAL LANDSCAPING

GRASS ESTABLISHED.
CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.

INSPECTION BY MUNICIPALITY – FINAL INSPECTION

ALL EROSION CONTROL MEASURES REMOVED AND GRASS ESTABLISHED.
CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.

60 CROTON DAM ROAD STORMWATER MANAGEMENT PLAN BASED UPON EXISTING INFORMATION PROVIDED BY WARD CARPENTER ENGINEERING INC., DATED JUNE 11, 2015

GRAPHIC SCALE
10 0 5 10 20 40
(IN FEET)
1 inch = 10 ft.

No.	Description	Date
4.	REVISED PER TOWN COMMENTS	2/1/16
3.	REVISED PER TOWN COMMENTS	1/8/16
2.	REVISED PER TOWN COMMENTS	12/4/15
1.	REVISED PER TOWN COMMENTS	11/6/15

Revisions

THIS PLAN NOT VALID FOR CONSTRUCTION WITHOUT ENGINEERS SEAL & SIGNATURE

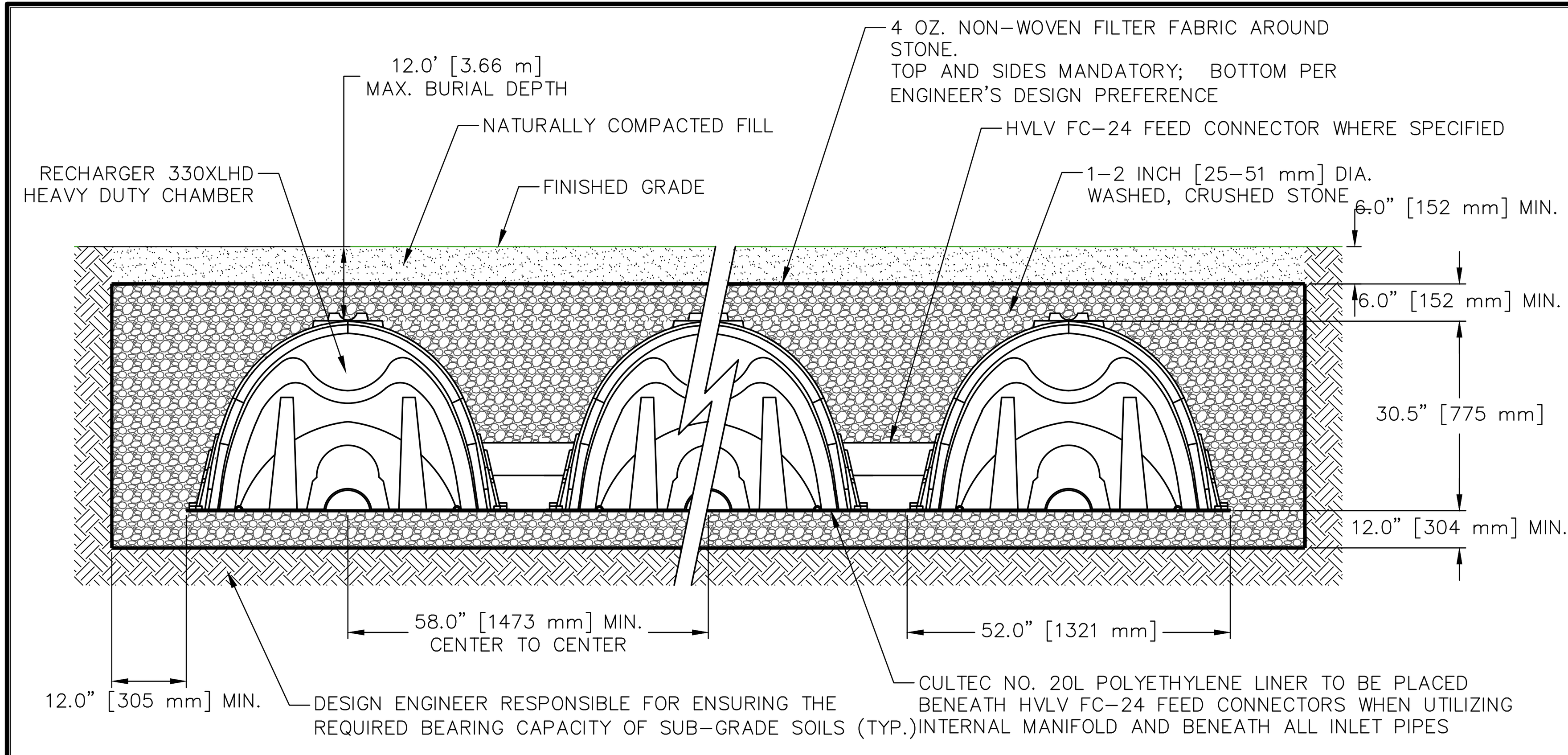
PROJECT:
PROPOSED TWO LOT SUBDIVISION
60 CROTON DAM ROAD
TOWN OF OSSINING
WESTCHESTER COUNTY – NEW YORK

SITE LAYOUT

STATE OF NEW YORK · MICHAEL F. SWEET · 10 · No. 80637 · LICENSED PROFESSIONAL ENGINEER

HUDSON ENGINEERING & CONSULTING, P.C.
45 Knollwood Road – Suite 201
Elmsford, New York 10523
T: 914-909-0420
F: 914-560-2086

Date: 08/26/15 Sheet: 1
Scale: 1" = 10' of 2
Designed By: T.K.
Checked By: M.S.
Sheet No.
C-1

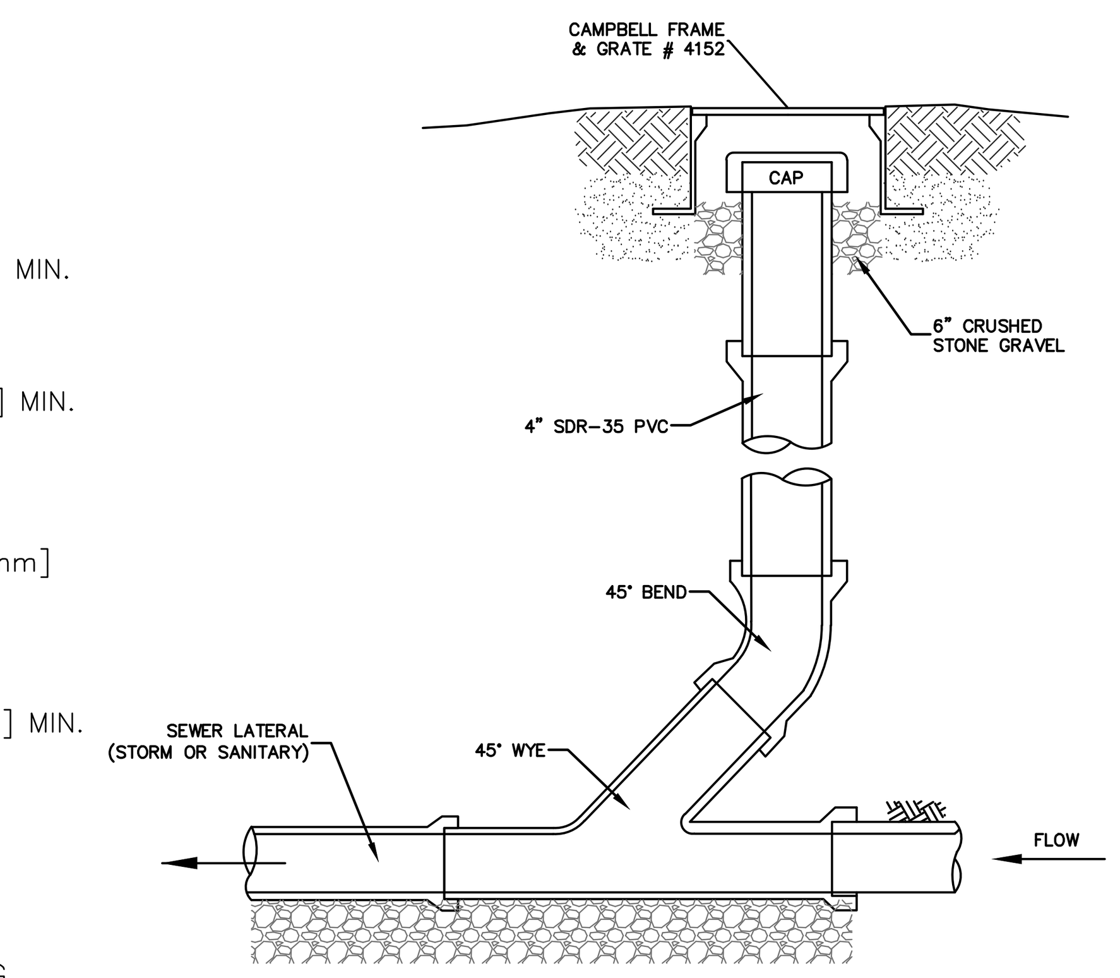


TYPICAL CROSS SECTION RECHARGER 330XL

GENERAL NOTES

RECHARGER 330XL HD BY CULTEC, INC. OF BROOKFIELD, CT.
STORAGE PROVIDED = 11.32 CF/FT [1.05 m^3/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



SEWER CLEANOUT DETAIL (GRAVITY)

(STORM OR SANITARY)

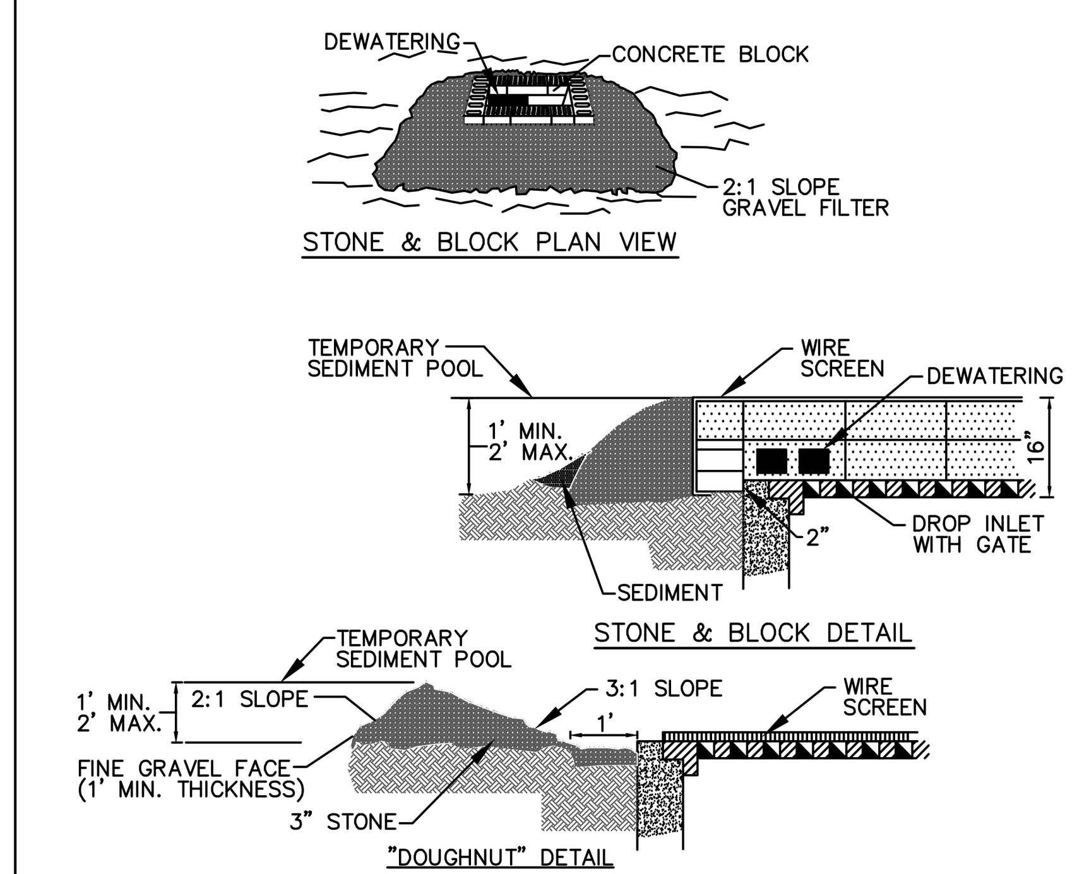
NOTES (SANITARY SEWER SERVICES):

1. ALL SANITARY SEWER SERVICES TO BE 4"ø SCH. 40 @ 1.0% MINIMUM.
2. IN ACCORDANCE WITH THE NYS RESIDENTIAL BUILDING CODE, THE FOLLOWING REQUIREMENTS APPLY:
   - A. CLEANOUTS SHALL BE INSTALLED NOT MORE THAN 100 FEET APART IN HORIZONTAL DRAINAGE LINES (P3005.2.2).
   - B. CLEANOUTS SHALL BE INSTALLED AT EACH CHANGE OF DIRECTION OF THE DRAINAGE SYSTEM GREATER THAN 45 DEGREES.
   - C. CLEANOUTS SHALL BE INSTALLED SO THAT THE CLEANOUT OPENS TO ALLOW CLEANING IN THE DIRECTION OF THE FLOW OF THE DRAINAGE LINE (P3005.2.8).

NOTES (STORM SEWER):

1. REFER TO PLAN FOR SPECIFIC PIPE SIZING AND SLOPE SPECIFICATIONS; HOWEVER, IN GENERAL, ALL STORM SEWER SERVICES TO BE 6"ø SCH. 40 @ 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.

Stone & Block Drop Inlet Protection

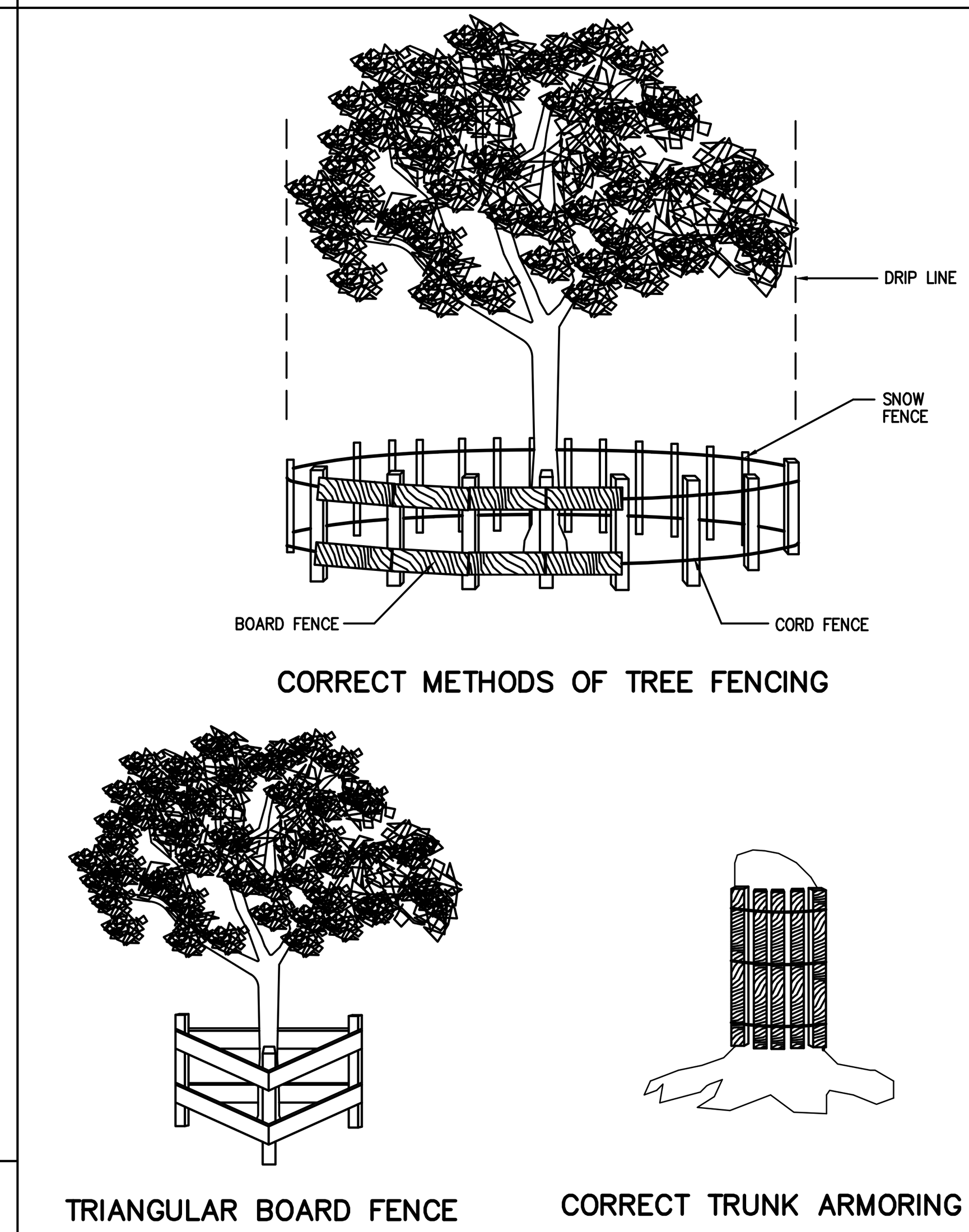


CONSTRUCTION SPECIFICATION

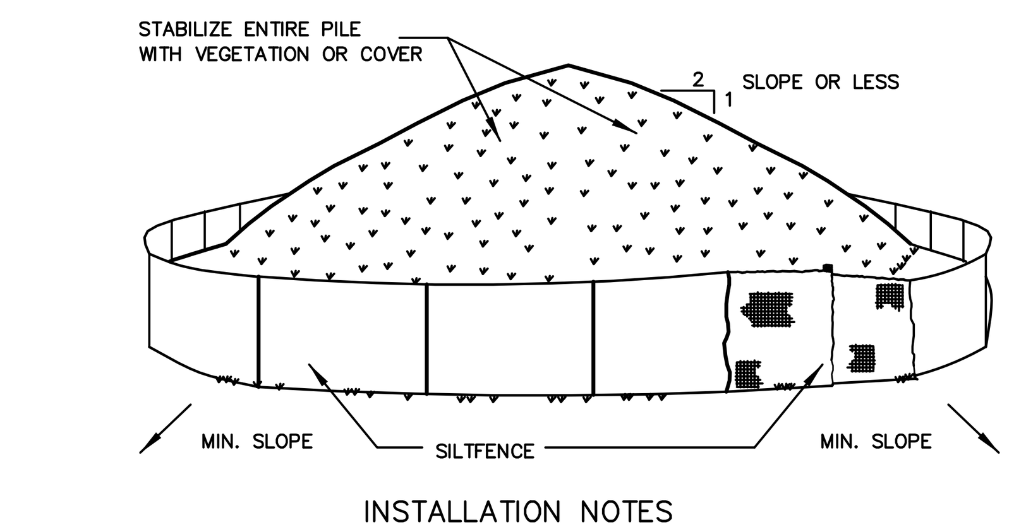
1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGIANST INLET FOR SUPPORT.
2. HARDWARECLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
3. USE CLEAN STONE OR GRAVEL 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.

TREE FENCING AND ARMORING



Soil Stockpiling

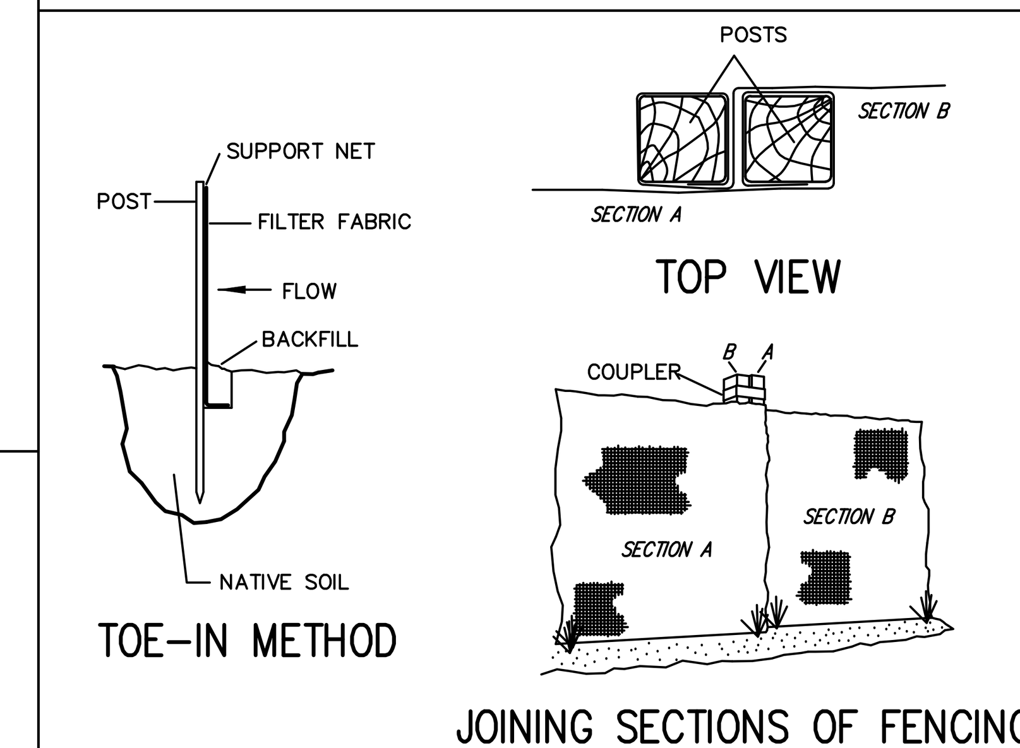


INSTALLATION NOTES

INSTALLATION NOTES:

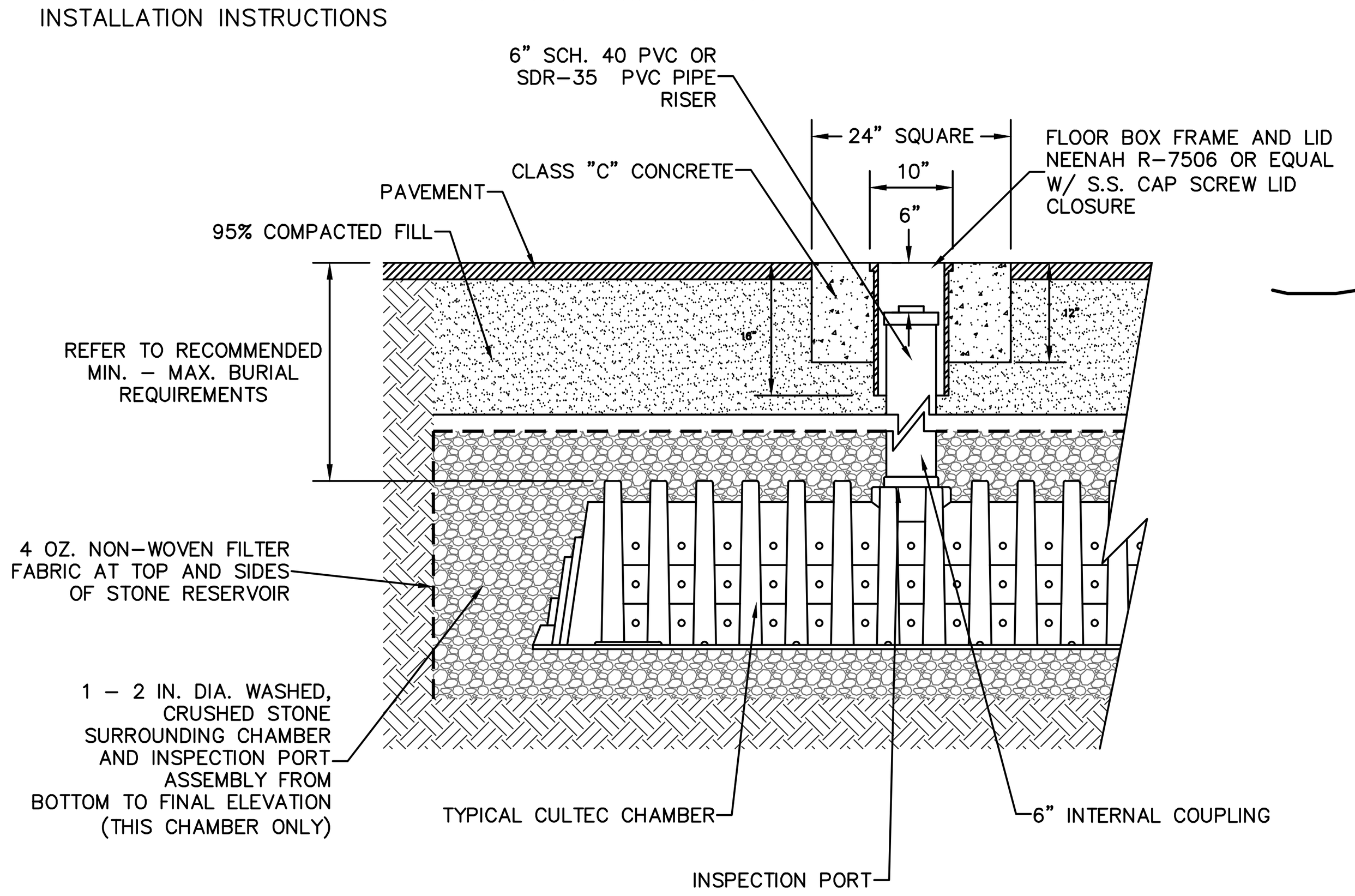
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. SOILS OR FILL TO BE STOCKPILED ON SITE DURING CUTTING AND FILLING ACTIVITIES SHOULD BE LOCATED ON LEVEL PORTIONS OF THE SITE WITH A MINIMUM OF 50-75 FOOT SETBACKS FROM TEMPORARY DRAINAGE SWALES.
3. MAXIMUM SLOPE OF STOCKPILE SHALL 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 COVERED.
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.

Silt Fence

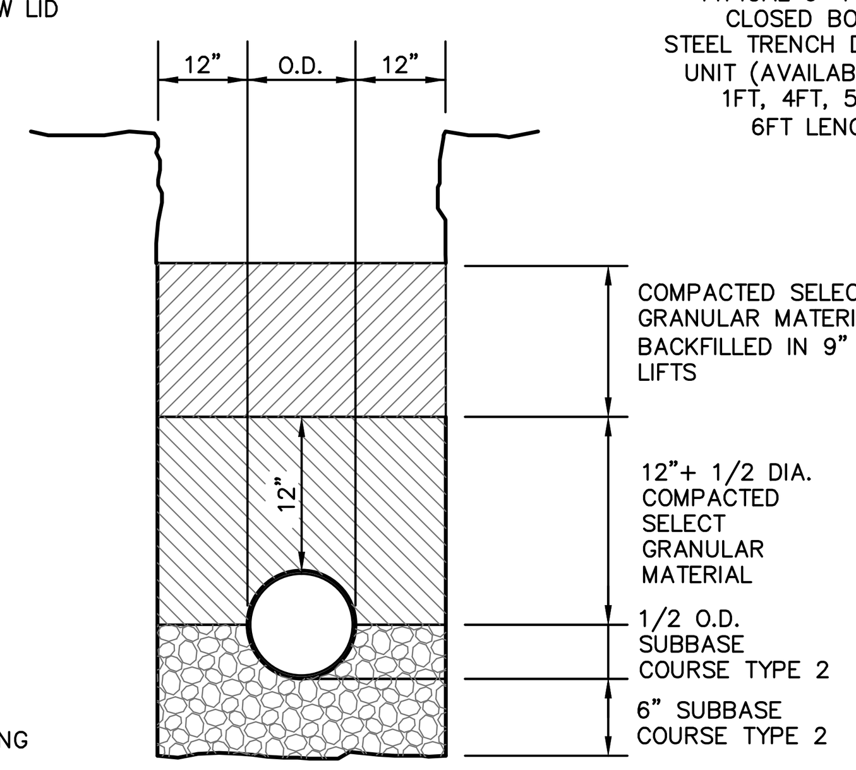


INSTALLATION NOTES:

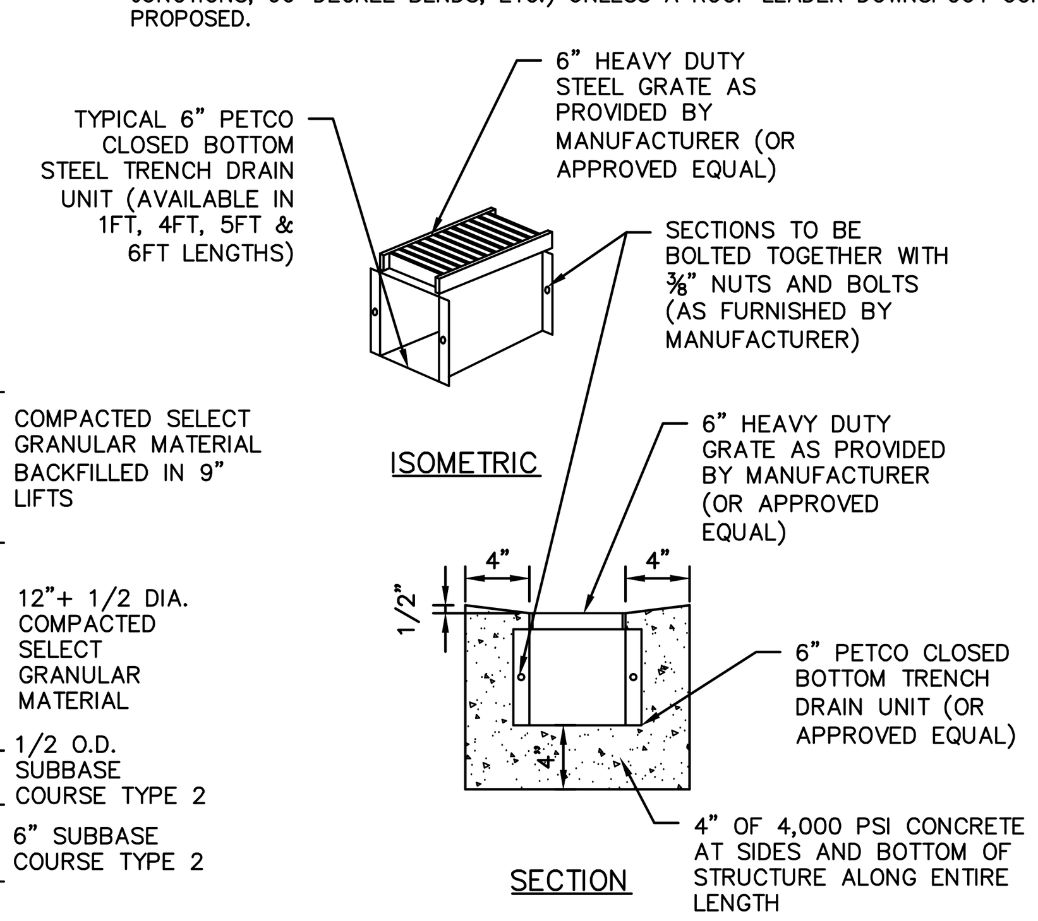
1. EXCAVATE A 4 INCH * 4 INCH TRENCH ALONG THE LOWER PERIMETER OF THE SITE.
2. UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM)WALL OF THE TRENCH (NET SIDE AWAY FROM DIRECTION OF FLOW).
3. DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS APPROXIMATELY 2 INCHES FROM THE 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.



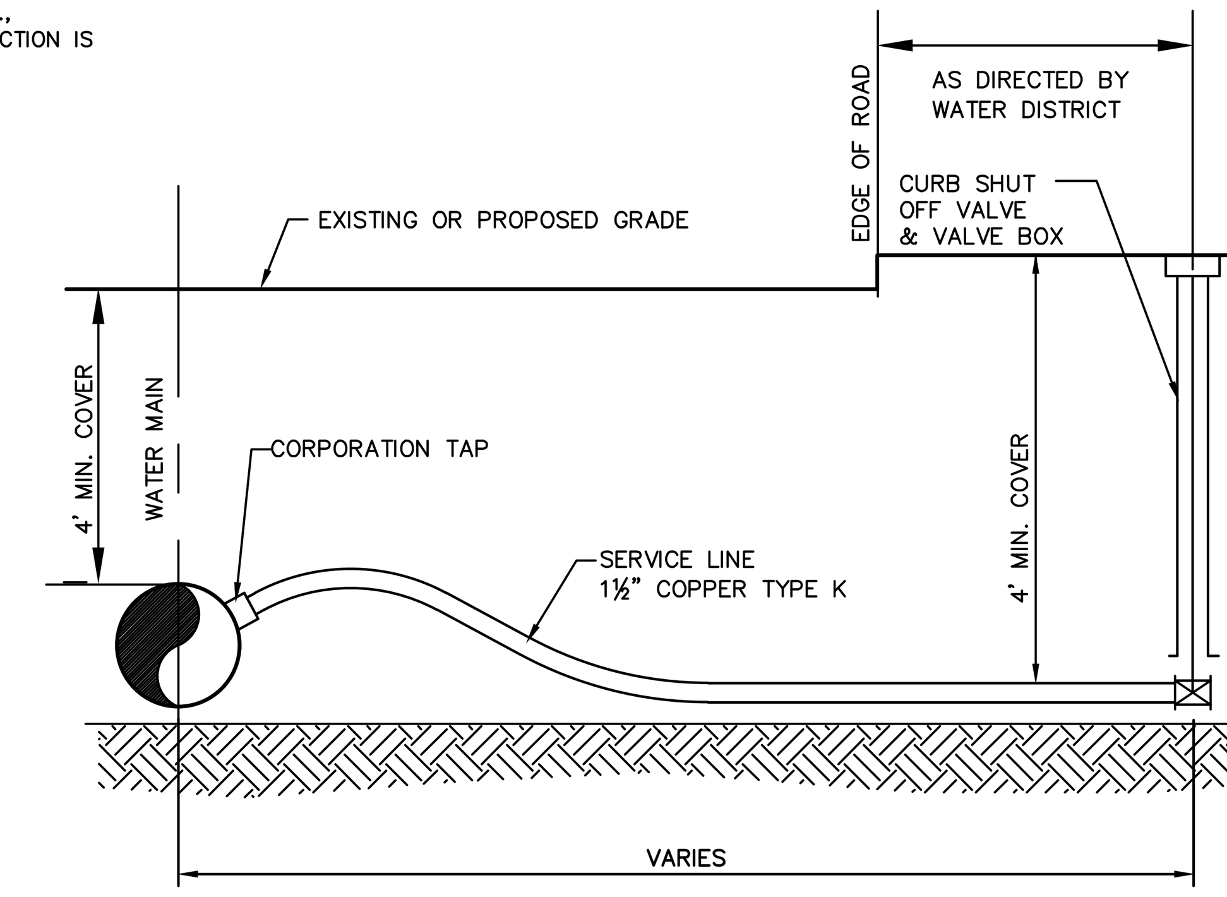
RECHARGER 330XL ACCESS PORT



TRENCH BEDDING



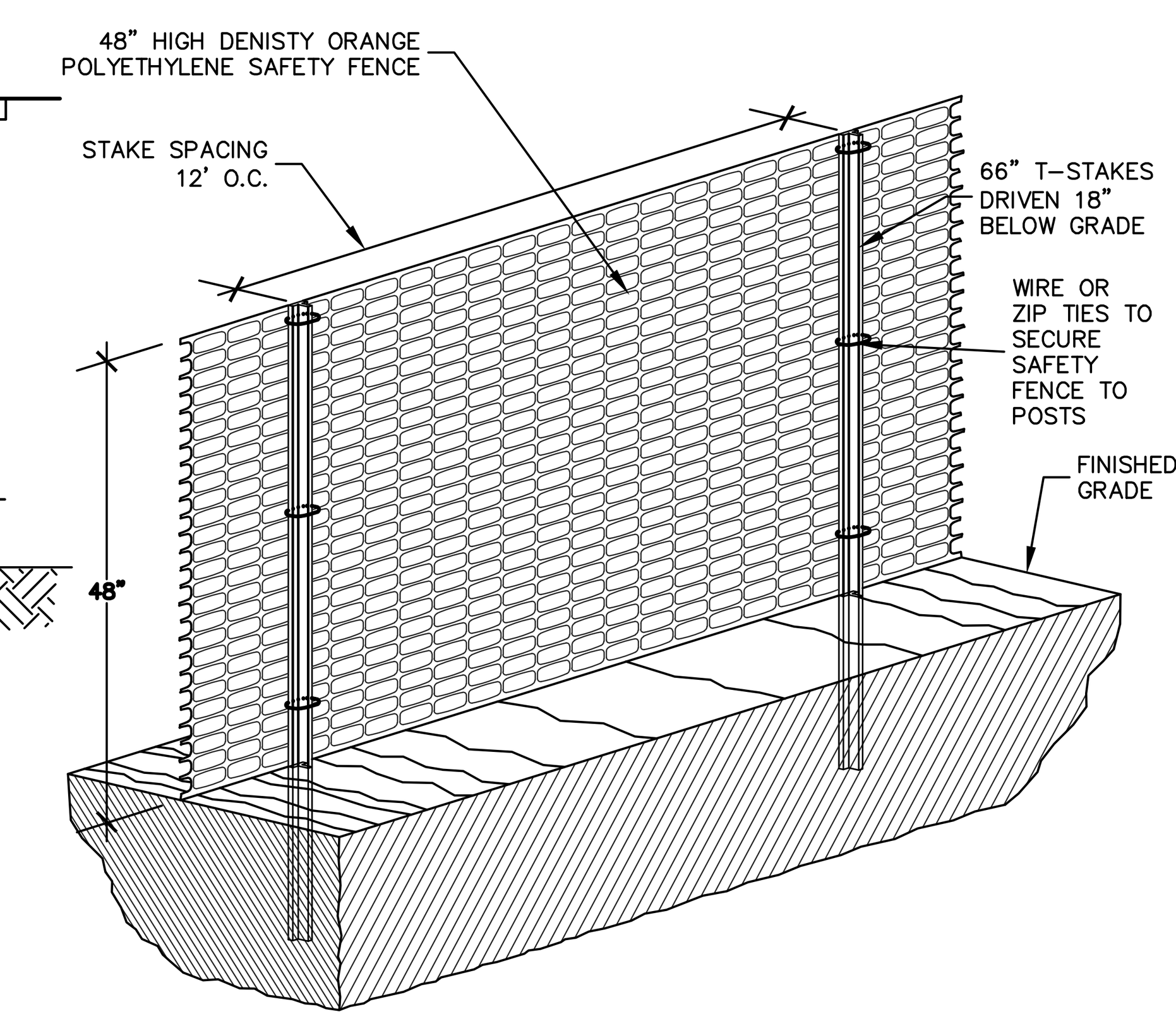
STEEL TRENCH DRAIN



NOTES:

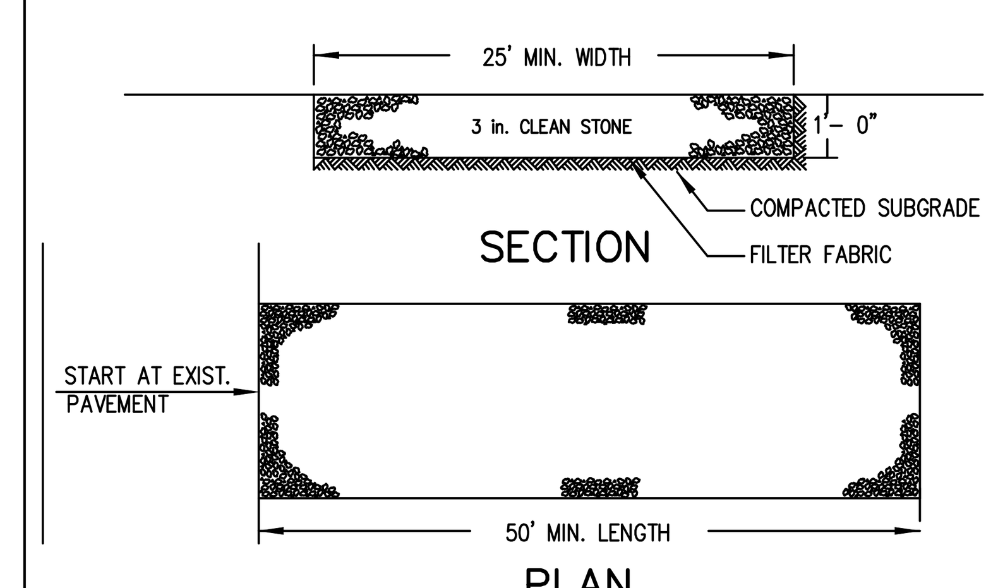
1. WATER DISTRICT TO FURNISH AND INSTALL CORPORATION TAP, SERVICE LINE, AND CURB SHUT OFF VALVE AND VALVE BOX.
2. CONTRACTOR TO EXCAVATE, MAINTAIN, BACKFILL, AND RESTORE TRENCH FOR THE TAP, SERVICE LINE, AND CURB SHUT OFF VALVE.
3. CONTRACTOR TO TAKE OUT PERMIT, PAY FEE, AND TO FOLLOW ALL RULES AND REGULATIONS OF THE LOCAL UTILITY AGENCY.

WATER SERVICE LINE LATERAL



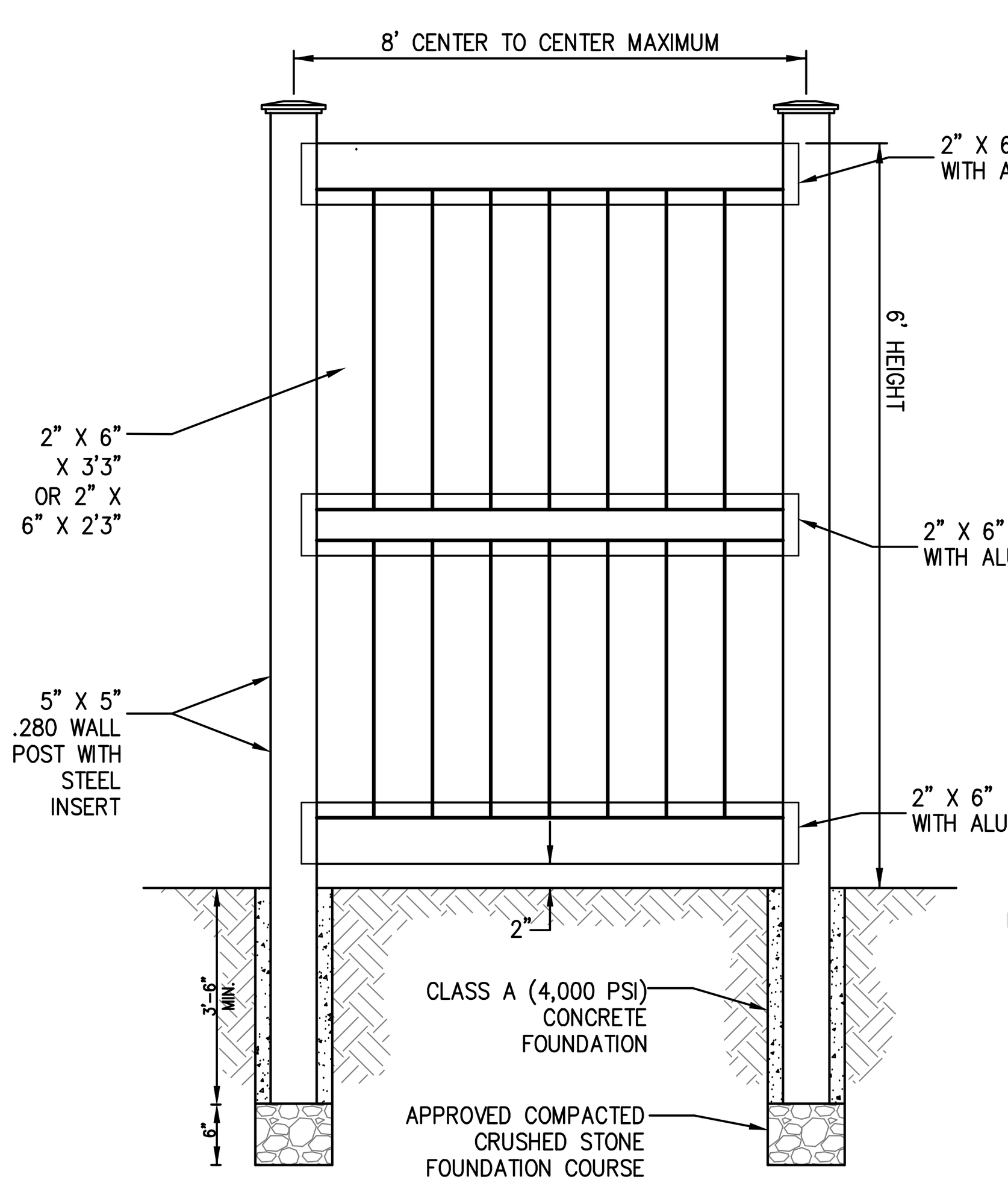
CONSTRUCTION FENCE

Stabilized Construction Entrance



INSTALLATION NOTES:

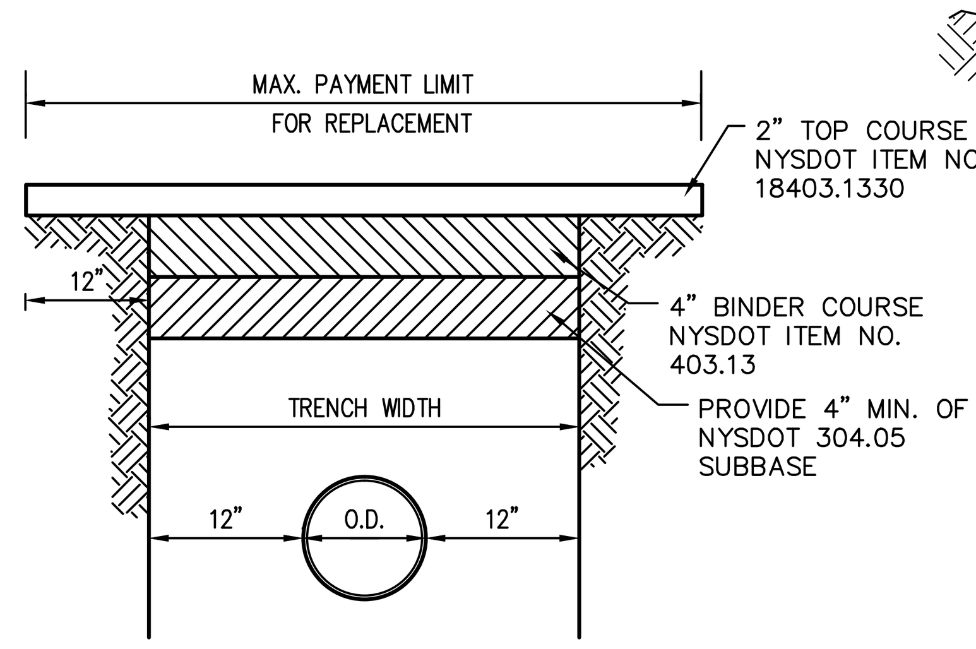
1. STONE SIZE - USE 3" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - 25 FOOT MINIMUM, BUT NOT LESS THAN THE FULL 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.



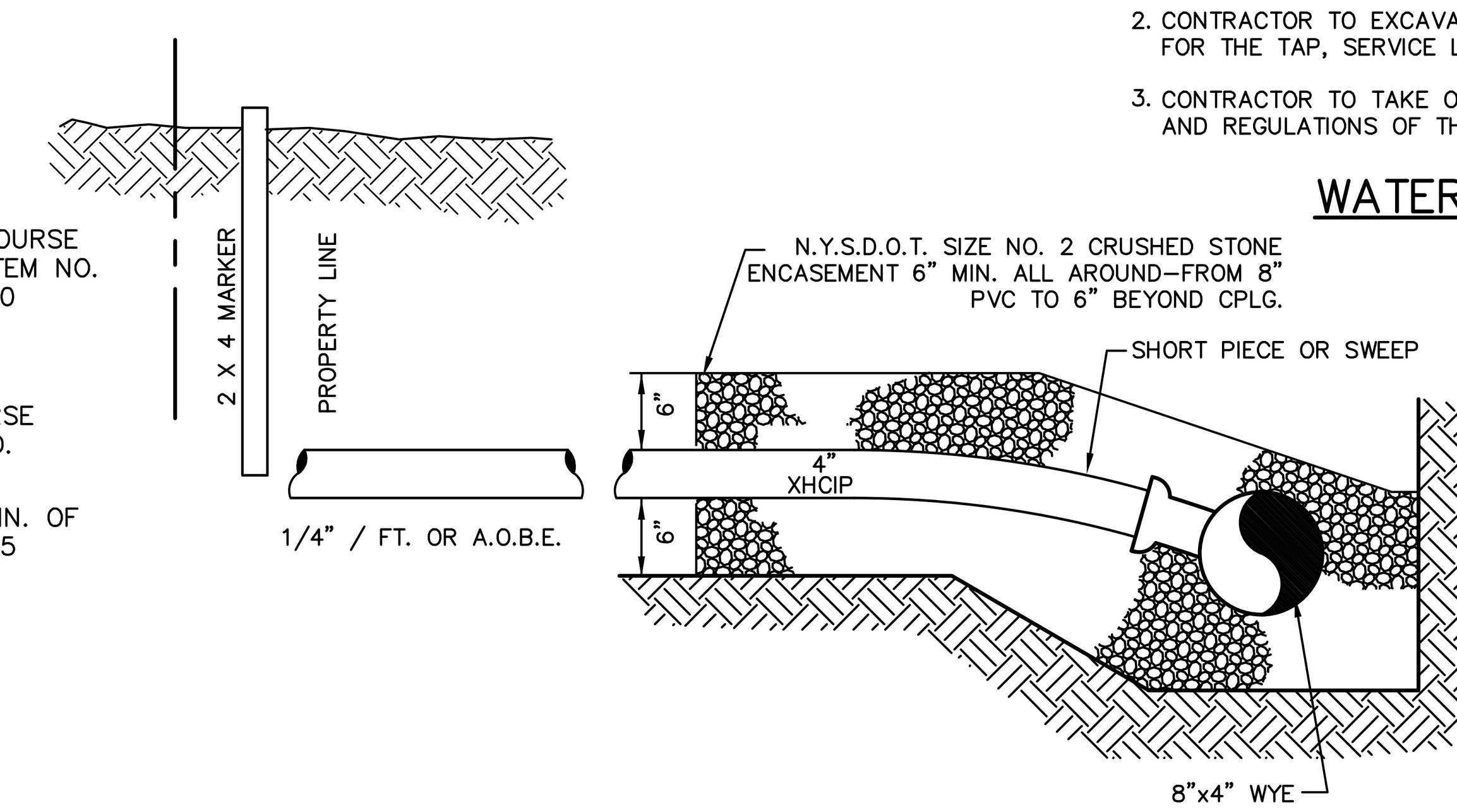
NOTES:

1. FENCE SHALL BE BUFFTECH GALVESTON VINYL FENCE AS MANUFACTURED BY CERTAINTEED OR APPROVED EQUAL. THE COLOR SHALL BE WHITE.
2. FENCE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
3. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO CONFIRM THAT THE OVERALL FENCE DIMENSIONS MEET THE ABOVE NOTED DESIGN.

PVC PRIVACY FENCE

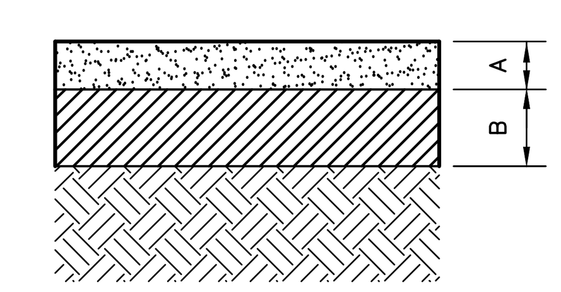


PAVEMENT REPLACEMENT OVER TRENCH



SANITARY SEWER SERVICE CONNECTION (4" XHCIP TO 8" SANITARY SEWER MAIN)

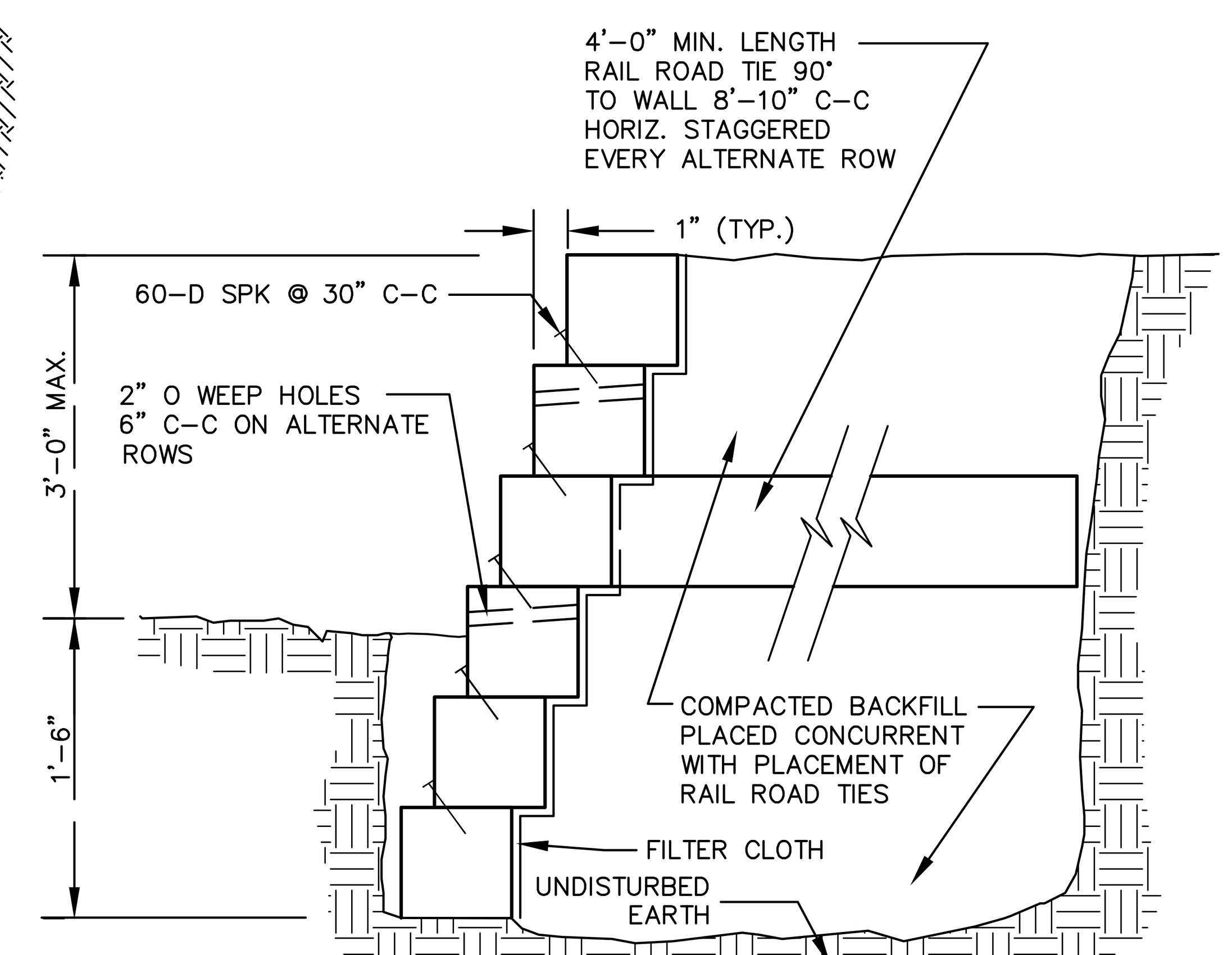
NOTE : IF WALL EXISTS AT PROPERTY LINE; EXTEND SERVICE LINE UNDER WALL.



A- 2" TOP COURSE- N.Y.S.D.O.T. ITEM403.178202, TYPE 6 F2

B- 4" SUBBASE COURSE- N.Y.S.D.O.T. ITEM, 304.12, TYPE 2

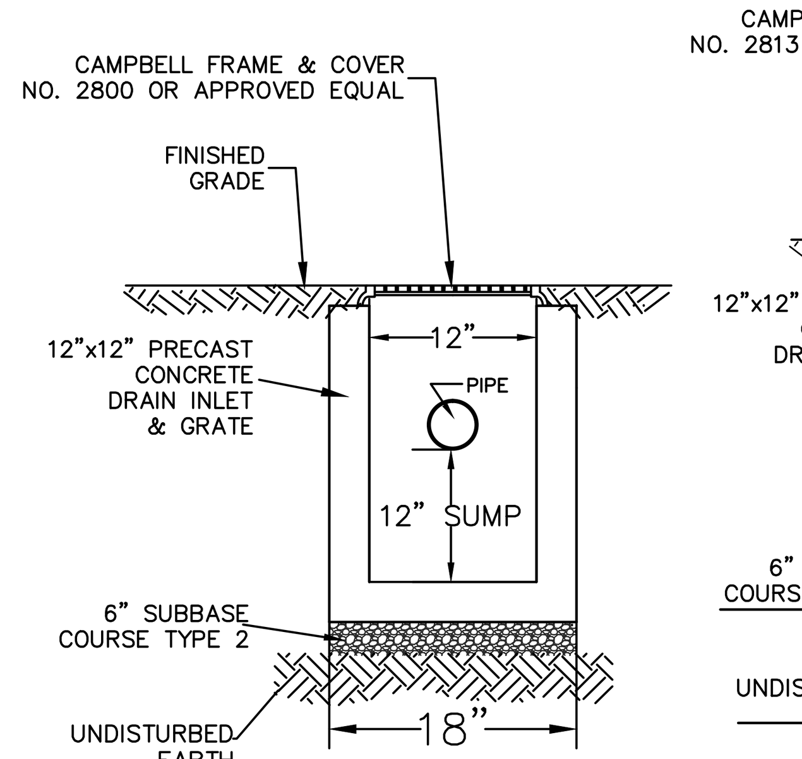
DRIVEWAY PAVEMENT SECTION



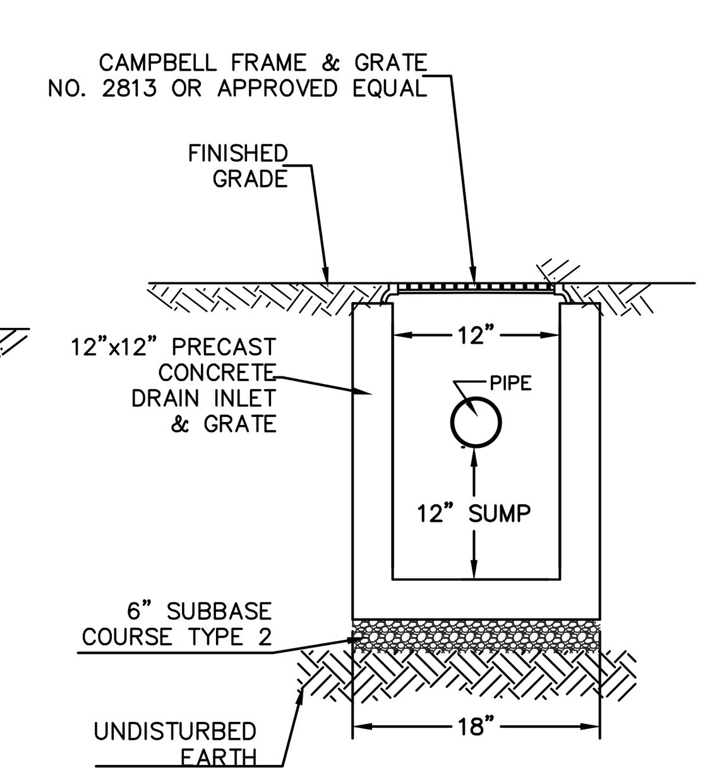
NOTES:

1.) ALL WOOD TO BE TREATED IN ACCORDANCE WITH AMERICAN WOOD-PRESERVERS ASOCIATION C2 OR C9.
2.) ALL RAILROAD TIE RETAINING WALL SHALL BE CONSRUCTED WITH NEW TIMBERS.
3.) ALL RAILROAD TIES SHALL BE SOUND, UNWARPED WITH SQUARED ENDS AND EDGES AND WITHOUT MAJOR SPLITS OR DEFECTS.
5.) FASTENERS SHALL BE STANDARD 10" R.R. SPIKES OR ⅝"x24" STEEL RODS IN DRILLED HOLES. THE BOTTOM COURSE SHALL BE ANCHORED WITH TWO (2) 30" STEEL RODS DRIVEN INTO THE GROUND FOR EVERY 8' TIE.
6.) OVERLAPPING JOINTS SHALL BE PROPERLY SPIKED OR TIED TO MEMBER BELOW.

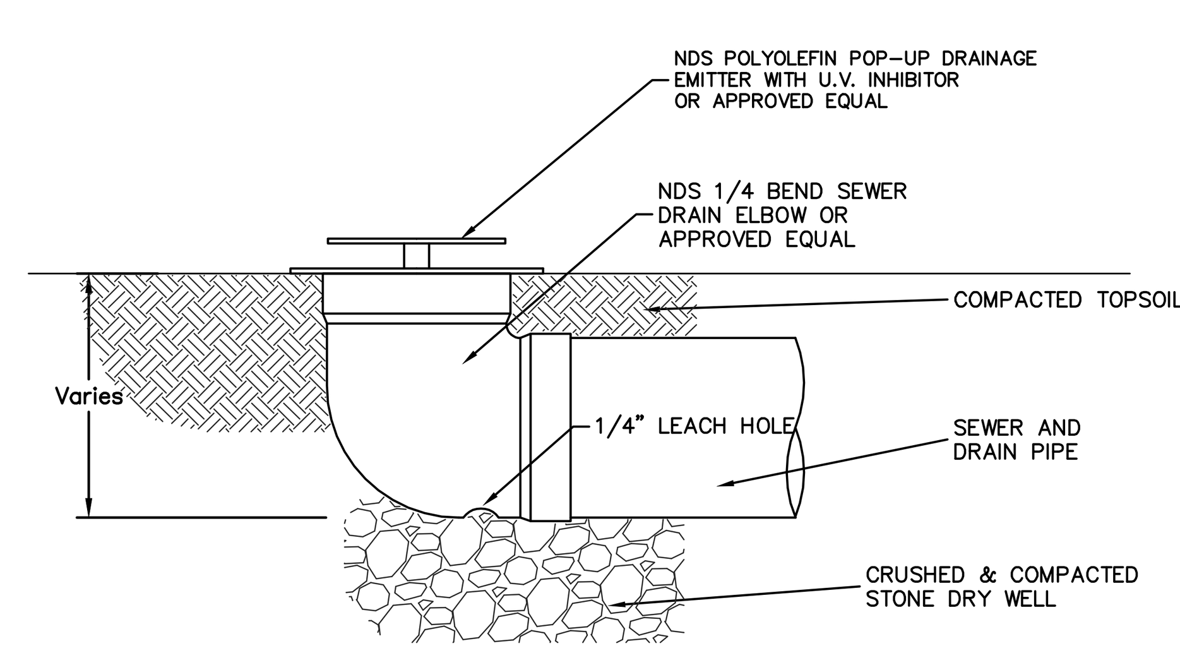
RAILROAD TIE RETAINING WALL



SUMP BOX



12"X12" PRECAST DRAIN INLET



NDS POP-UP DRAINAGE EMITTER

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No.	Description	Date
3.	REVISED PER TOWN COMMENTS	2/1/16
2.	REVISED PER TOWN COMMENTS	1/8/16
1.	REVISED PER TOWN COMMENTS	12/4/15

Revisions

THIS PLAN NOT VALID FOR CONSTRUCTION WITHOUT ENGINEERS SEAL & SIGNATURE

PROJECT:

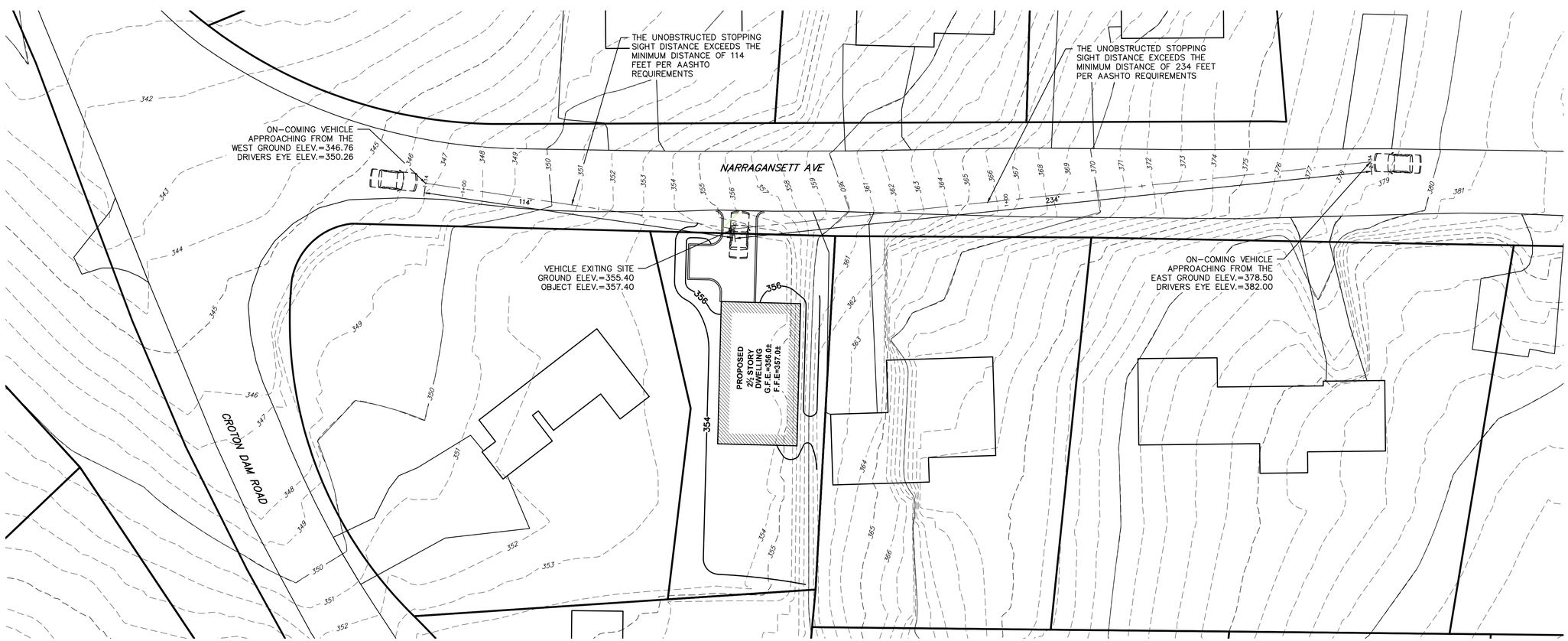
PROPOSED TWO LOT SUBDIVISION
60 CROTON DAM ROAD
TOWN OF OSSINING
WESTCHESTER COUNTY - NEW YORK

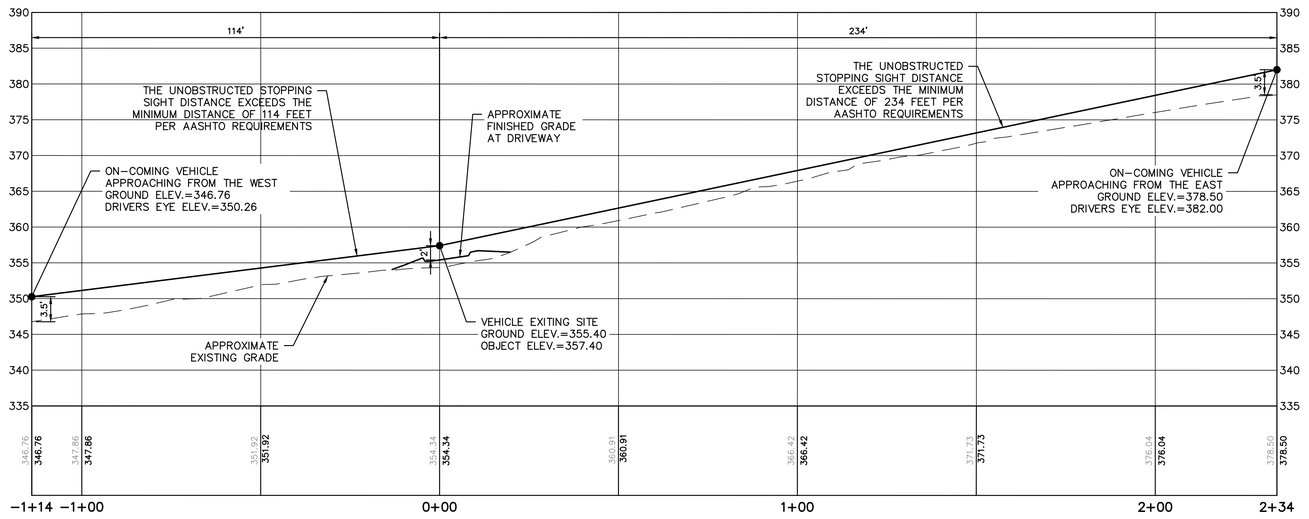
DETAILS

HEC
HUDSON ENGINEERING & CONSULTING, P.C.
45 Knollwood Road - Suite 201
Elmsford, New York 10523
T: 914-909-0420
F: 914-560-2086

STATE OF NEW YORK · MICHAEL F. STEIN · No. 60637 · LICENSED PROFESSIONAL ENGINEER

Date:	08/26/15
Scale:	N.T.S.
Designed By:	T.K.
Checked By:	M.S.
Sheet:	2 of 2
Sheet No.	C-2





PROFILE STA. −1+14 TO STA. 2+34

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'

Stopping Sight Distance Formula = $V^2/[30((a/32.2)\pm G/100)]$		
Posted Speed Limit =	30	mph
Design Speed Limit (V) =	40	mph
Decelaration Rate (a) =	11.2	ft/sec.
Approximate Grade (G) =	12	%
Minimum Calculated Stopping Sight Distance =	114	(ft) design
Approaching Ground Elev. =	354.3	(ft)
Approaching Driver's Eye =	3.5	(ft)
Approaching Eye Elev. =	357.8	
Ground Elev. at Object in Driveway =	355.4	(ft)
Min. Height of Object in Driveway =	2.0	(ft)
Elev. of Object in Driveway =	357.4	(ft)

SIGHT DISTANCE CALCULATIONS (APPROACHING FROM WEST)

Stopping Sight Distance Formula = $V^2/[30((a/32.2)\pm G/100)]$		
Posted Speed Limit =	30	mph
Design Speed Limit (V) =	40	mph
Decelaration Rate (a) =	11.2	ft/sec.
Approximate Grade (G) =	-12	%
Minimum Calculated Stopping Sight Distance =	234	(ft) design
Approaching Ground Elev. =	378.5	(ft)
Approaching Driver's Eye =	3.5	(ft)
Approaching Eye Elev. =	382.0	
Ground Elev. at Object in Driveway =	355.4	(ft)
Min. Height of Object in Driveway =	2.0	(ft)
Elev. of Object in Driveway =	357.4	(ft)

SIGHT DISTANCE CALCULATIONS (APPROACHING FROM EAST)

60 CROTON DAM ROAD SIGHT DISTANCE PLAN BASED UPON EXISTING INFORMATION PROVIDED BY WARD CARPENTER ENGINEERING INC., DATED JUNE 11, 2015, AND SUPPLEMENTED WITH ADDITIONAL INFORMATION PROVIDED BY WESTCHESTER COUNTY GIS

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

No.	Description	Date
1.	REVISED PER TOWN COMMENTS	1/8/16

THIS PLAN NOT VALID FOR CONSTRUCTION WITHOUT ENGINEERS SEAL & SIGNATURE

PROJECT:

PROPOSED TWO LOT SUBDIVISION
60 CROTON DAM ROAD
TOWN OF OSSINING
WESTCHESTER COUNTY – NEW YORK

SIGHT DISTANCE ANALYSIS

STATE OF NEW YORK · MICHAEL F. STERN · LICENSED PROFESSIONAL ENGINEER · No. 80657

HEC
HUDSON ENGINEERING & CONSULTING, P.C.
55 South Broadway
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F: 914-560-2086

Date: 12/4/15
Scale: 1" = 20'
Designed By: T.K.
Checked By: M.S.
Sheet: 1 of 1
Sheet No. SD-1