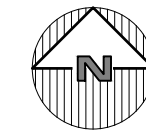


LOCATION MAP
NOT TO SCALE



ZONING SCHEDULE:

ZONING DISTRICT:		R1-20, SINGLE FAMILY RESIDENTIAL										
DIMENSIONAL REGULATIONS:	REQUIRED	LOT 1	LOT 2	LOT 3	LOT 4	LOT 5	LOT 6	LOT 7	LOT 8	LOT 9	LOT 10	VARIANCE REQUIRED
MINIMUM SIZE OF LOT:												
MINIMUM LOT AREA:	20,000 SF.	22,205 SF.	20,122 SF.	23,996 SF.	43,282 SF.	34,080 SF.	22,015 SF.	20,016 SF.	21,000 SF.	20,527 SF.	20,479 SF.	NONE
MINIMUM LOT WIDTH:	100 FT.	105 FT.	108.1 FT.	125.7 FT.	159.6 FT.	116.8 FT.	111.6 FT.	108.4 FT.	105.02 FT.	198.24 FT.	188.53 FT.	NONE
MINIMUM LOT DEPTH:	100 FT.	205.9 FT.	205.9 FT.	190.43 FT.	265.6 FT.	223.2 FT.	192.4 FT.	184.4 FT.	198.24 FT.	104.99 FT.	103.34 FT.	NONE
MINIMUM ROAD FRONTAGE:	100 FT.	108.2 FT.	91.6 FT.	28.1 FT.	277.39 FT.	244.22 FT.	54.23 FT.	119.52 FT.	105.02 FT.	293.15 FT.	297.6 FT.	NONE
MINIMUM YARD DIMENSIONS:												
PRINCIPAL BUILDING:												
FRONT YARD SETBACK:	40 FT.	44.4 FT.	53.7 FT.	124.8 FT.	165.5 FT.	74.9 FT.	49.1 FT.	53.1 FT.	73.2 FT.	40.5 FT.	40 FT.	NONE
REAR YARD SETBACK:	40 FT.	123.9 FT.	95.1 FT.	49.4 FT.	45.2 FT.	46.0 FT.	88.8 FT.	85.4 FT.	90.1 FT.	82.2 FT.	73.0 FT.	NONE
ONE SIDE YARD SETBACK:	15 FT.	15.0 FT.	18.6 FT.	15.0 FT.	36.0 FT.	39.4 FT.	18.1 FT.	15.2 FT.	15.0 FT.	15.5 FT.	17.1 FT.	NONE
COMBINED SIDE YARD SETBACK:	40 FT.	41.0 FT.	43.8 FT.	61 FT.	79.4 FT.	94.6 FT.	46.7 FT.	43.2 FT.	40.7 FT.	56 FT.	57.1 FT.	NONE
MAXIMUM % OF LOT TO BE OCCUPIED:	20% OF LOT AREA	8.3% OF LOT AREA	9.2% OF LOT AREA	7.7% OF LOT AREA	4.3% OF LOT AREA	5.4% OF LOT AREA	8.4% OF LOT AREA	9.2% OF LOT AREA	8.8% OF LOT AREA	9.0% OF LOT AREA	9.0% OF LOT AREA	NONE
PRINCIPAL BUILDING COVERAGE:												
MAXIMUM HEIGHT:												
PRINCIPAL BUILDING - FEET:	35 FEET	35 FEET	35 FEET	35 FEET	35 FEET	35 FEET	35 FEET	35 FEET	35 FEET	35 FEET	35 FEET	NONE
PRINCIPAL BUILDING - STORIES:	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	NONE
ACCESSORY BUILDING - FEET:	35 FEET	35 FEET	35 FEET	35 FEET	35 FEET	35 FEET	35 FEET	35 FEET	35 FEET	35 FEET	35 FEET	NONE
ACCESSORY BUILDING - STORIES:	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	NONE

WETLAND DISTURBANCE:

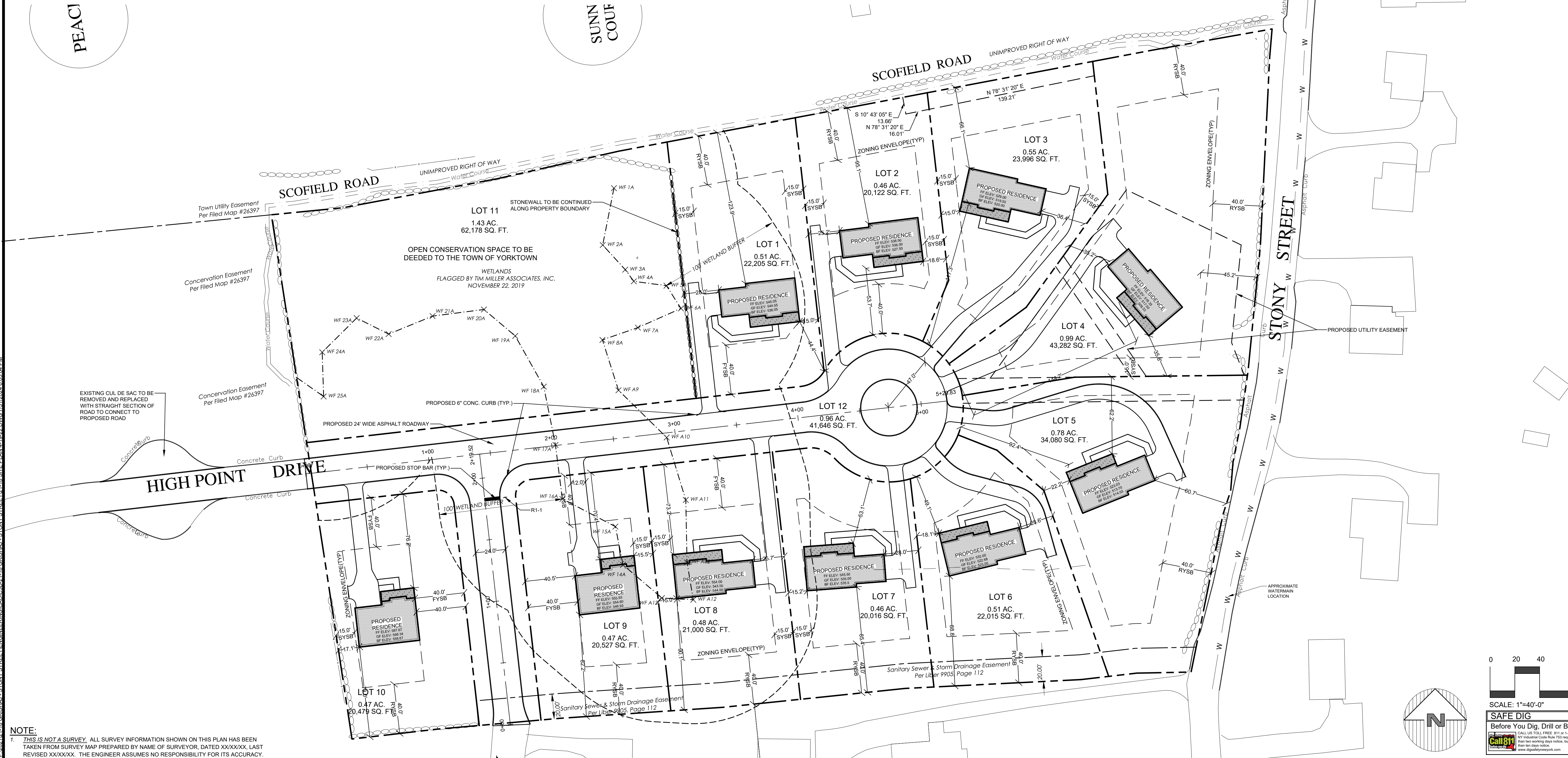
	PROPOSED		PROPOSED MITIGATION CREATED WETLAND
	DISTURBANCE	IMPERVIOUS	
WETLAND	10,833 SF	3,176 SF	22,800 SF
100' WETLAND ADJACENT AREA	59,111 SF	18,083 SF	

SITE DATA:

OWNER / DEVELOPER: NIKOLLA GRISHAJ
11 MUDROCK ROAD
NEW CITY, NY, 10596
3319 STONY STREET
YORKTOWN, NY, 10598

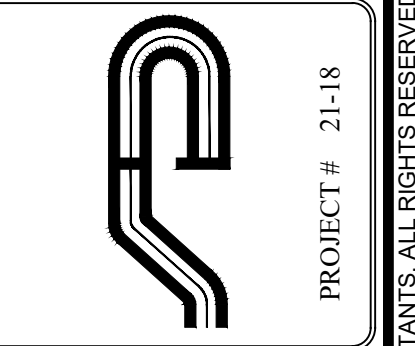
PROJECT LOCATION: R1-20, RESIDENTIAL
PROPOSED USE: R1-20, RESIDENTIAL DESCRIPTION
SECTION 16.17, BLOCK 2, LOT 77
SITE AREA: 8.07 ACRES (351,544 SF)
SEWAGE FACILITIES: PUBLIC SEWERS
WATER FACILITIES: PUBLIC WATER FACILITIES

RECEIVED
PLANNING DEPARTMENT
JUL 31 2024
TOWN OF YORKTOWN

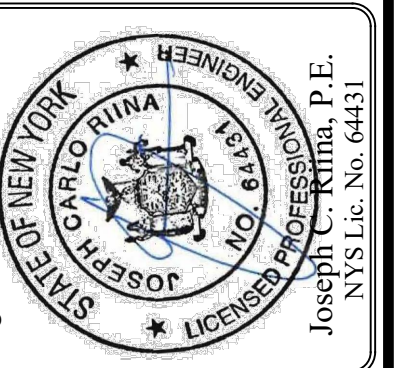


NOTE:
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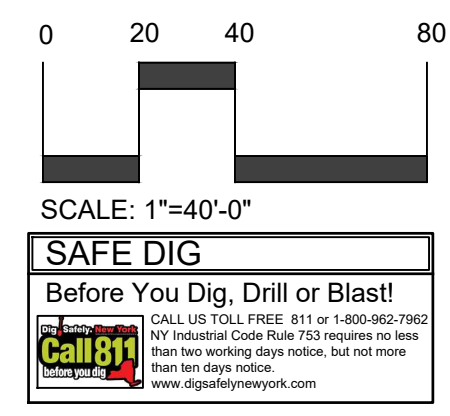


Revisions:	No.	Date	Comments
	1	10/7/21	Plan Revisions
	2	2/21/23	Tree Update
	3	12/11/23	Tree Update
	4	4/5/24	Plan Updates
	5	4/5/24	Plan Updates
	6	7/31/24	Plan Updates

SCALE: 1" = 40'
DRAWN BY: TK
DATE: 5/7/21

SITE PLAN

SITE PLAN PREPARED FOR
NIKOLLA GRISHAJ
3319 STONY STREET
Town of Yorktown, Westchester County, New York

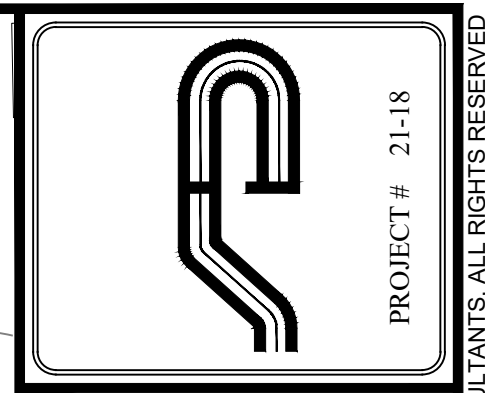


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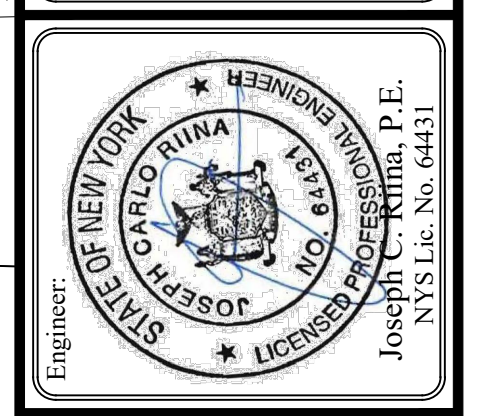


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	3	7/21/23	Tree Update
	4	4/2/24	Plan Updates
	5	4/2/24	Plan Updates
	6	7/31/24	Plan Updates

SCALE: 1" = 30'
 DRAWN BY: TK
 DATE: 5/7/21

EXISTING CONDITIONS PLAN

SITE PLAN PREPARED FOR
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 3319 STONY STREET
 Town of Yorktown, Westchester County, New York

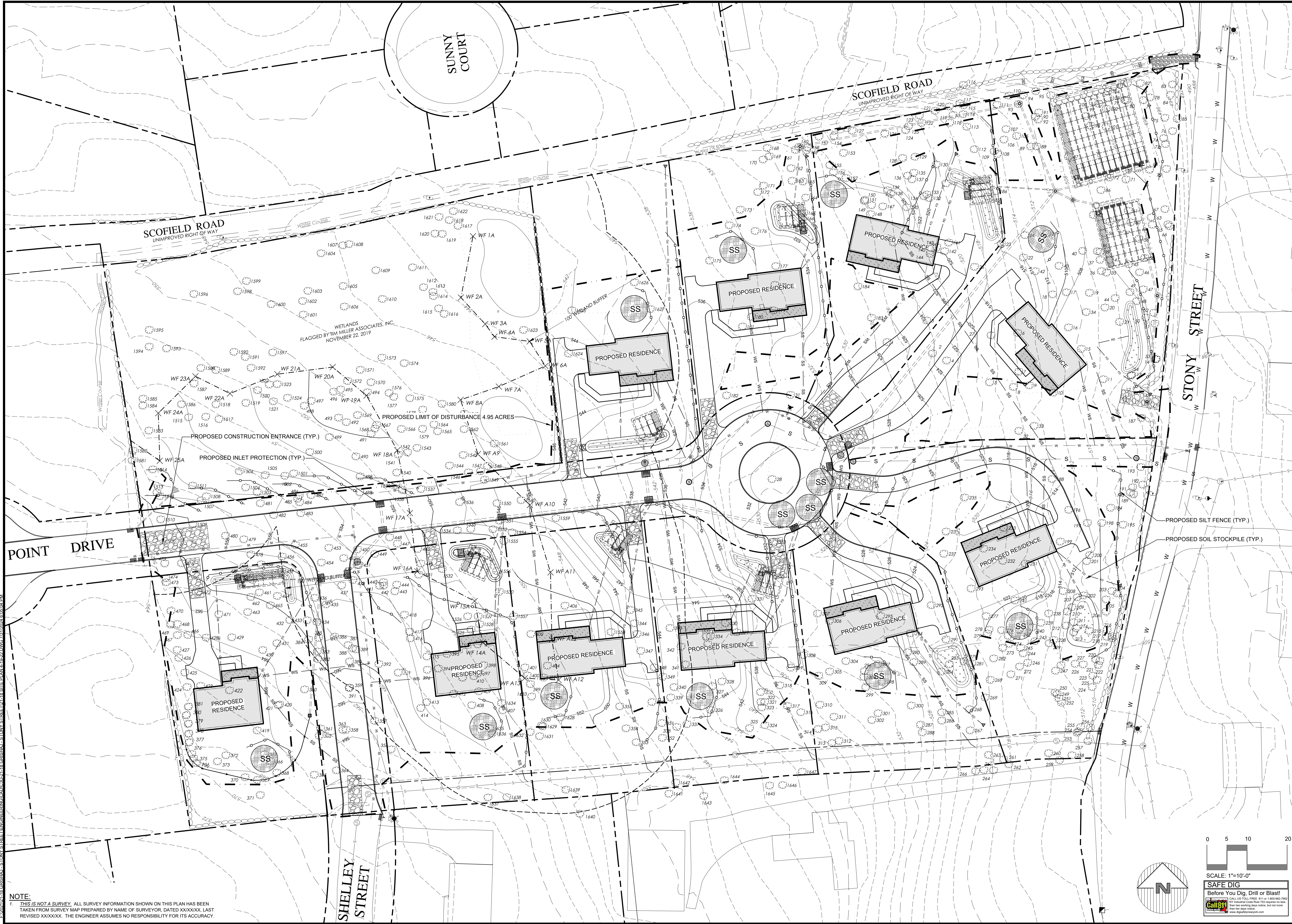
PROJECT # 21-18

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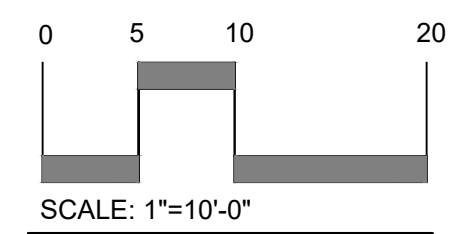
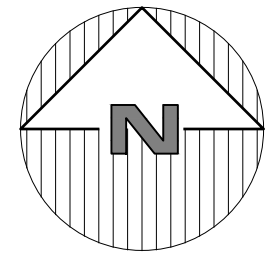
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SEWER MANHOLE RIM=501.621 INV=491.67

SEWER MANHOLE RIM=508.73 INV=499.28 N/S 499.6 W

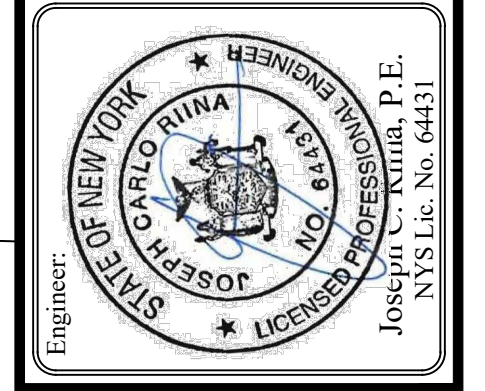


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	5	4/2/24	Plan Updates
	6	7/31/24	Plan Updates

SCALE: 1" = 30'
 DRAWN BY: TK
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E&S PLAN

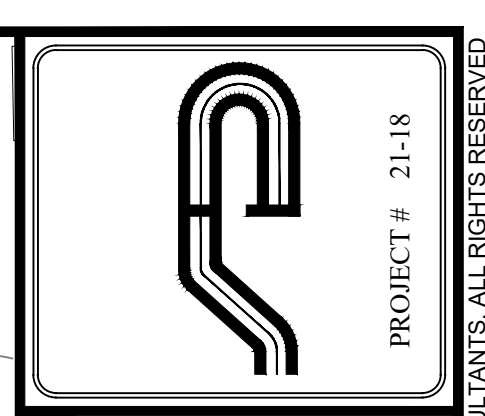
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 3319 STONY STREET
 Town of Yorktown, Westchester County, New York

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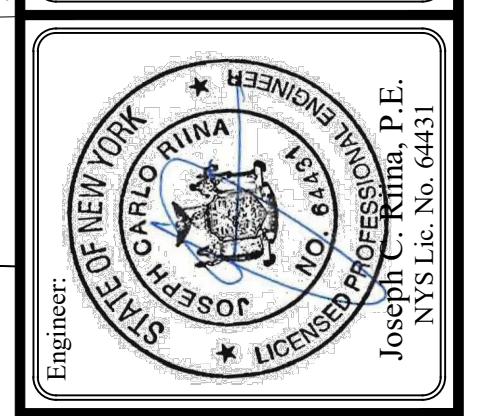
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DRAIN INLET TO CB-1	DRAIN INLET	563.90	CB-1	557.10	100.00	552.90	552.40	0.50	12	SMH-1 TO SMH-2	SMH-1	SMH-2	66.54	527.78	525.90	2.67	8	
CB-1 TO CB-2	CB-1	557.10	CB-2	557.10	19.03	552.36	552.25	0.50	18	SMH-2 TO SMH-3	SMH-2	SMH-3	67.37	525.80	524.13	2.34	8	
CB-2 TO CB-4	CB-2	557.10	CB-4	553.50	39.28	552.00	550.00	4.72	18	SMH-3 TO SMH-4	SMH-3	SMH-4	209.38	524.03	498.62	12.00	8	
CB-3 TO CB-4	CB-3	553.50	CB-4	553.50	18.97	550.00	549.90	0.50	18	SMH-4 TO EX SMH	SMH-4	EX SMH	61.63	498.52	491.67	10.50	8	
CB-4 TO CB-5	CB-4	553.50	CB-5	546.32	86.10	549.65	542.82	7.61	18									
CB-5 TO CB-7	CB-5	546.32	CB-7	537.50	106.70	542.57	533.42	8.30	18									
CB-6 TO CB-7	CB-6	537.50	CB-7	537.50	19.08	533.42	533.31	0.50	18									
CB-7 TO CB-8	CB-7	537.50	CB-8	531.18	106.63	532.35	527.68	4.22	18									
CB-8 TO CB-9	CB-8	531.18	CB-9	529.66	49.40	524.31	524.04	0.50	18									
CB-9 TO BYPASS	CB-9	529.66	BYPASS	509.33	265.05	522.65	503.83	7.03	18									
DMH-1 TO DMH-2	DMH-1	527.09	DMH-2	510.57	164.13	521.84	505.37	9.85	18									
DMH-2 TO BYPASS	DMH-2	510.57	BYPASS	509.33	63.73	505.23	504.33	1.33	18									
BYPASS TO DOWNSTREAM DEFENDER	BYPASS	509.33	DOWNSTREAM DEFENDER	507.37	15.05	500.80	498.65	1.00	12									
DOWNSTREAM DEFENDER TO INFILTRATION CHAMBERS	DOWNSTREAM DEFENDER	507.37	INFILTRATION CHAMBERS	505.79	11.17	499.65	499.50	1.00	12									
BYPASS TO DETENTION CHAMBERS	BYPASS	509.33	DETENTION CHAMBERS	507.31	9.73	501.40	500.11	1.00	12									
INFILTRATION CHAMBERS TO DMH-3	INFILTRATION CHAMBERS	502.29	DMH-3	502.37	25.80	499.00	498.63	2.32	12									
DMH-3 TO DMH-4	DMH-3	502.37	DMH-4	502.49	75.79	498.38	497.98	0.50	12									
DMH-4 TO EX CB	DMH-4	502.49	EX CB	501.70	39.29	497.73	497.51	0.50	12									
DETENTION CHAMBERS TO RIP RAP CHANNEL	DETENTION CHAMBERS	494.85	RIP RAP CHANNEL	492.00	27.09	492.50	492.00	4.62	12									



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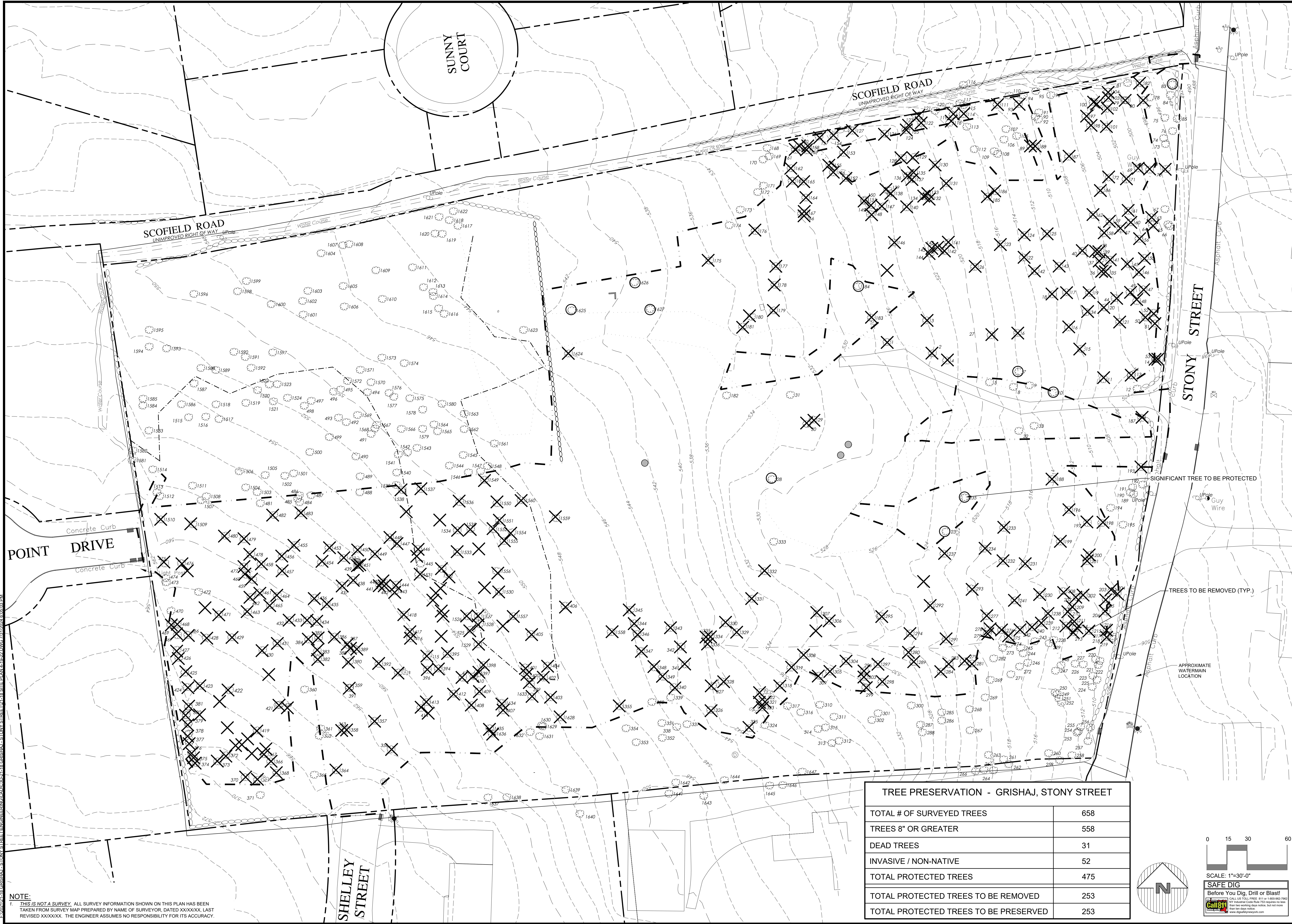
Revisions:	No.	Date	Comments
	1	10/7/21	Plan Revisions
	2	2/21/23	Issue Update
	3	7/21/23	Issue Update
	4	4/2/24	Plan Updates
	5	7/31/24	Plan Updates
	6		

SCALE: 1" = 30'
 DRAWN BY: TK
 DATE: 5/7/21

IMPROVEMENT PLAN

SITE PLAN PREPARED FOR
NIKOLLA GRISHAJ
 3319 STONY STREET
 Town of Yorktown, Westchester County, New York

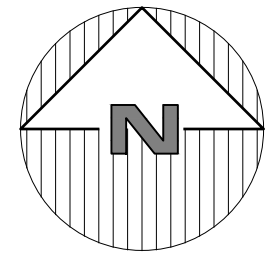
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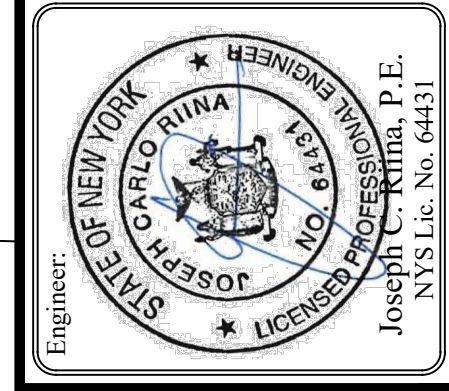
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TREE PRESERVATION - GRISHAJ, STONY STREET	
TOTAL # OF SURVEYED TREES	658
TREES 8" OR GREATER	558
DEAD TREES	31
INVASIVE / NON-NATIVE	52
TOTAL PROTECTED TREES	475
TOTAL PROTECTED TREES TO BE REMOVED	253
TOTAL PROTECTED TREES TO BE PRESERVED	253



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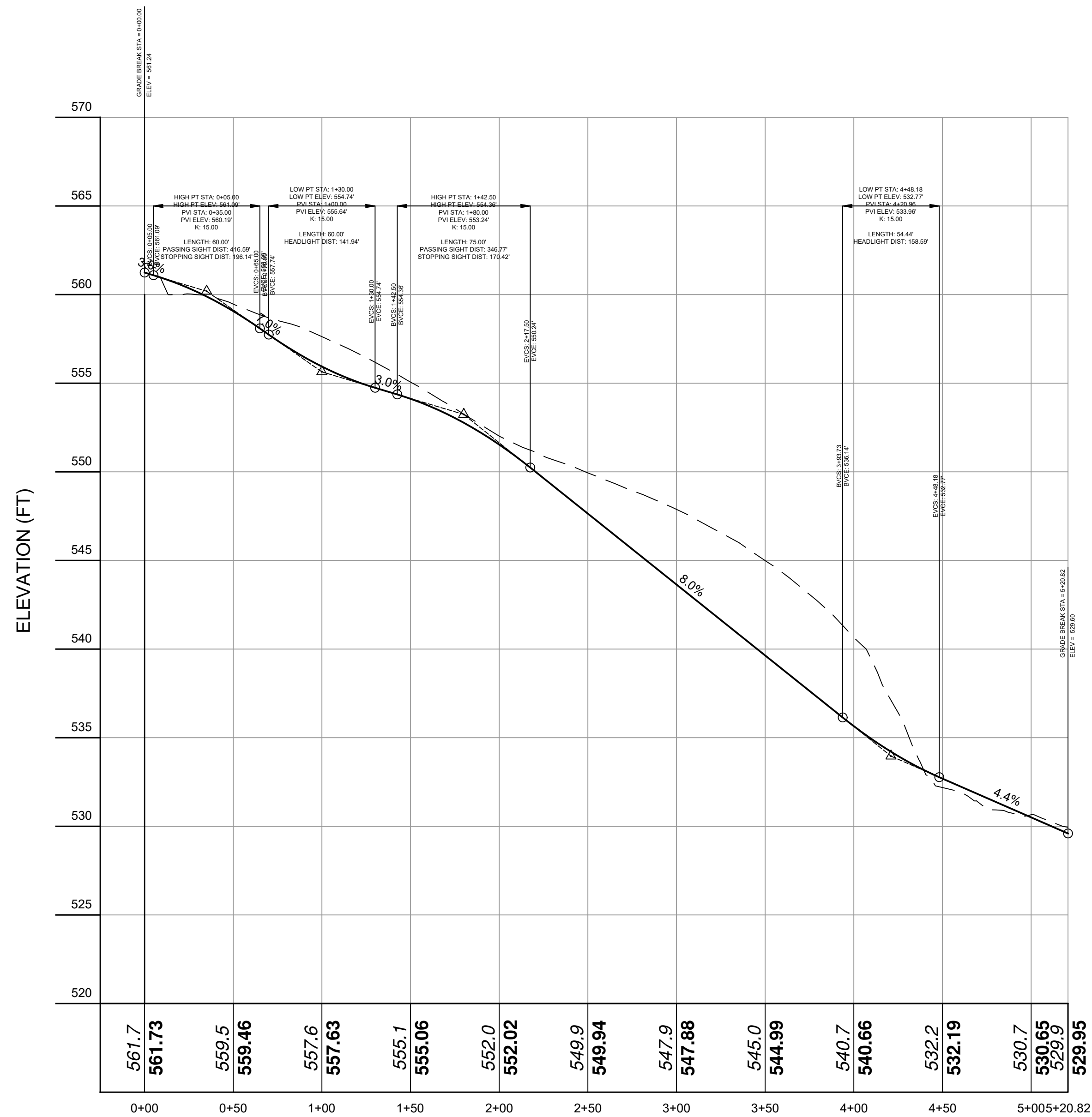


Revisions:	No.	Date	Comments
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SCALE: 1" = 30'
 DRAWN BY: TK
 DATE: 5/7/21

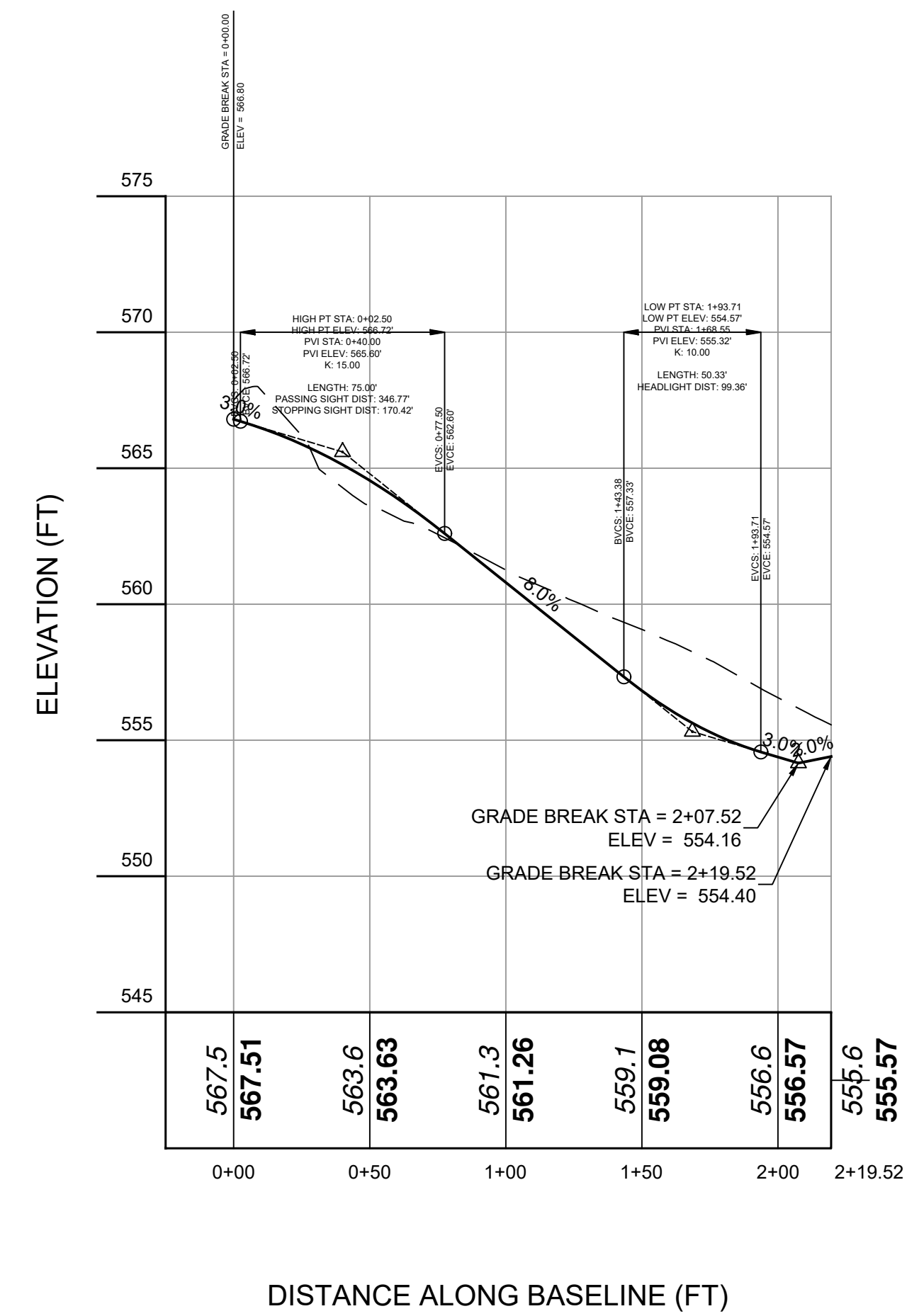
TREE PLAN

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 3319 STONY STREET
 Town of Yorktown, Westchester County, New York



DISTANCE ALONG BASELINE (FT)

PROPOSED ROAD
 VERT. SCALE: 1" = 5
 HORIZ. SCALE: 1" = 50

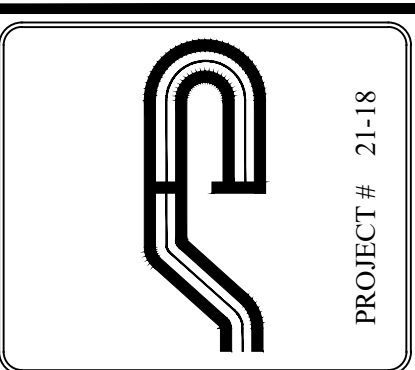


DISTANCE ALONG BASELINE (FT)

Connecting Road
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 HORIZ. SCALE: 1" = 50

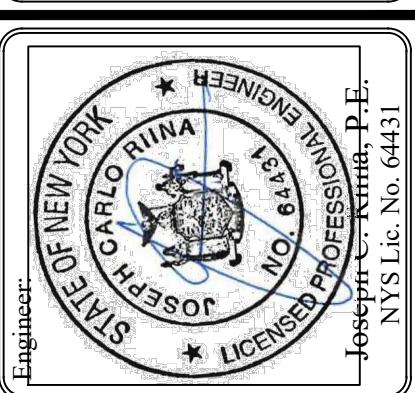
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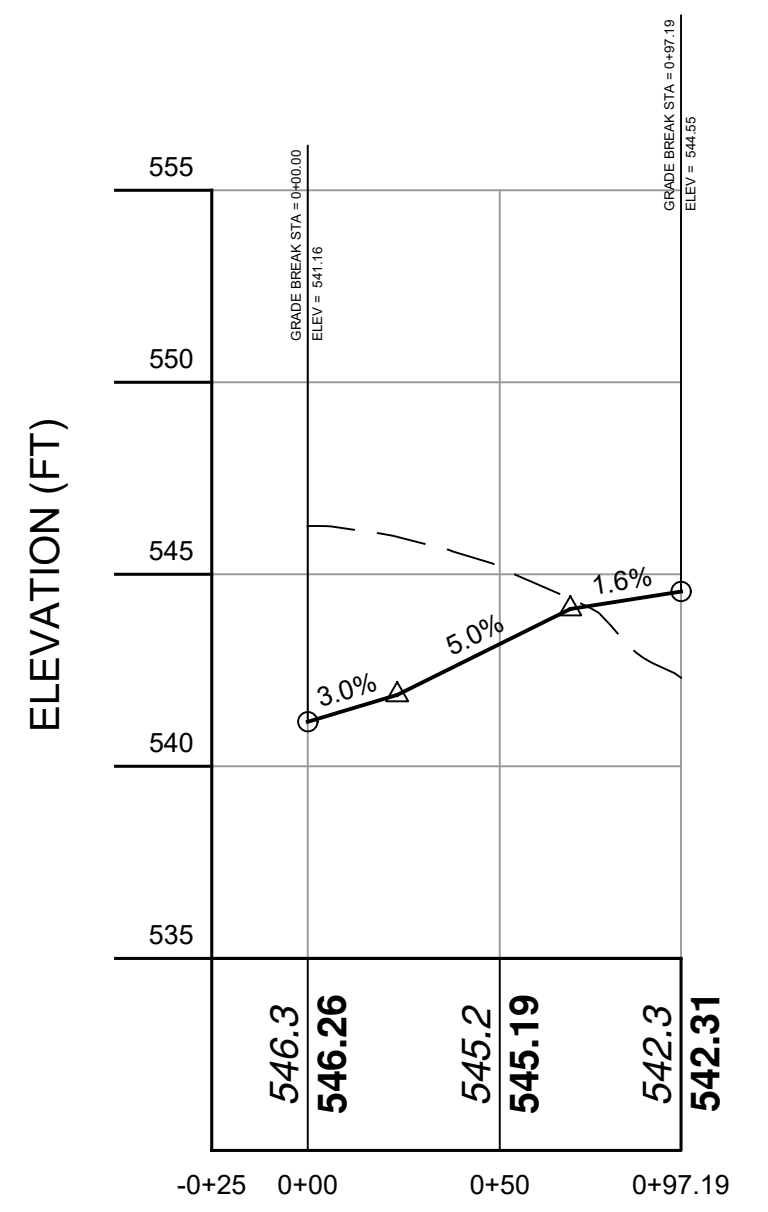
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	6	7/31/24	Plan Updates

SCALE: NTS	DRAWN BY: TK	DATE: 5/7/21
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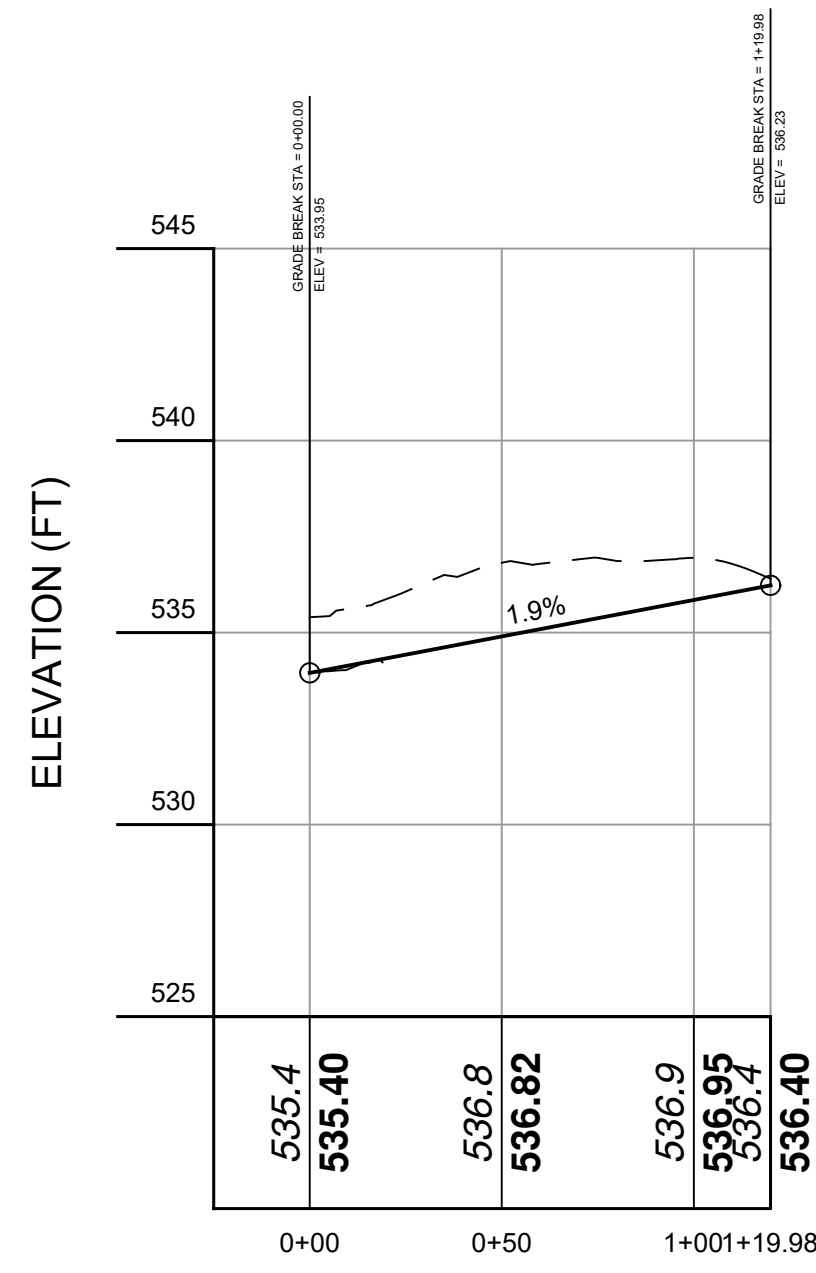
ROADWAY PROFILES

SITE PLAN PREPARED FOR
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 3319 STONY STREET
 Town of Yorktown Westchester County, New York

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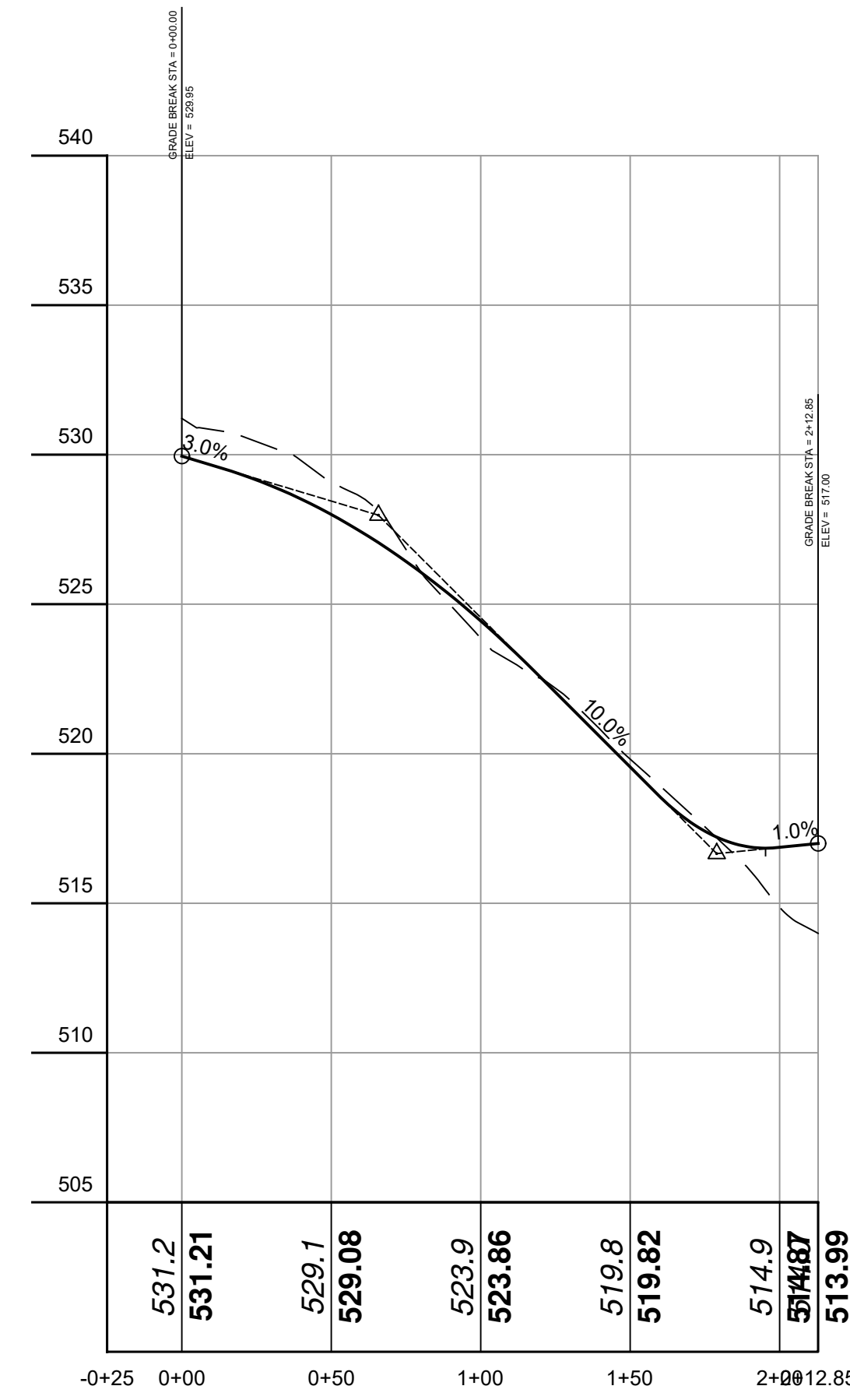
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HORIZ. SCALE: 1" = 50



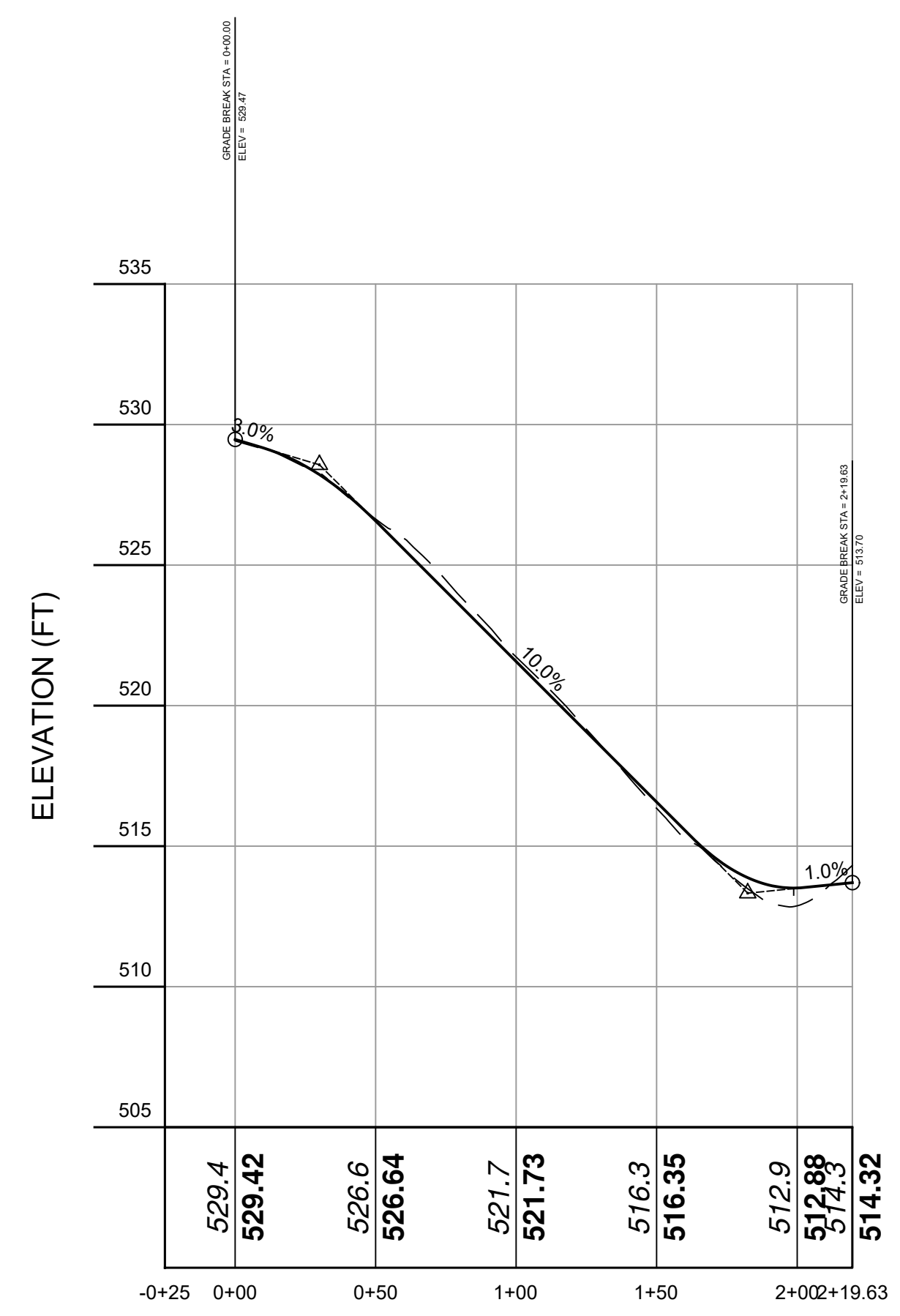
Lot 2
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HORIZ. SCALE: 1" = 50



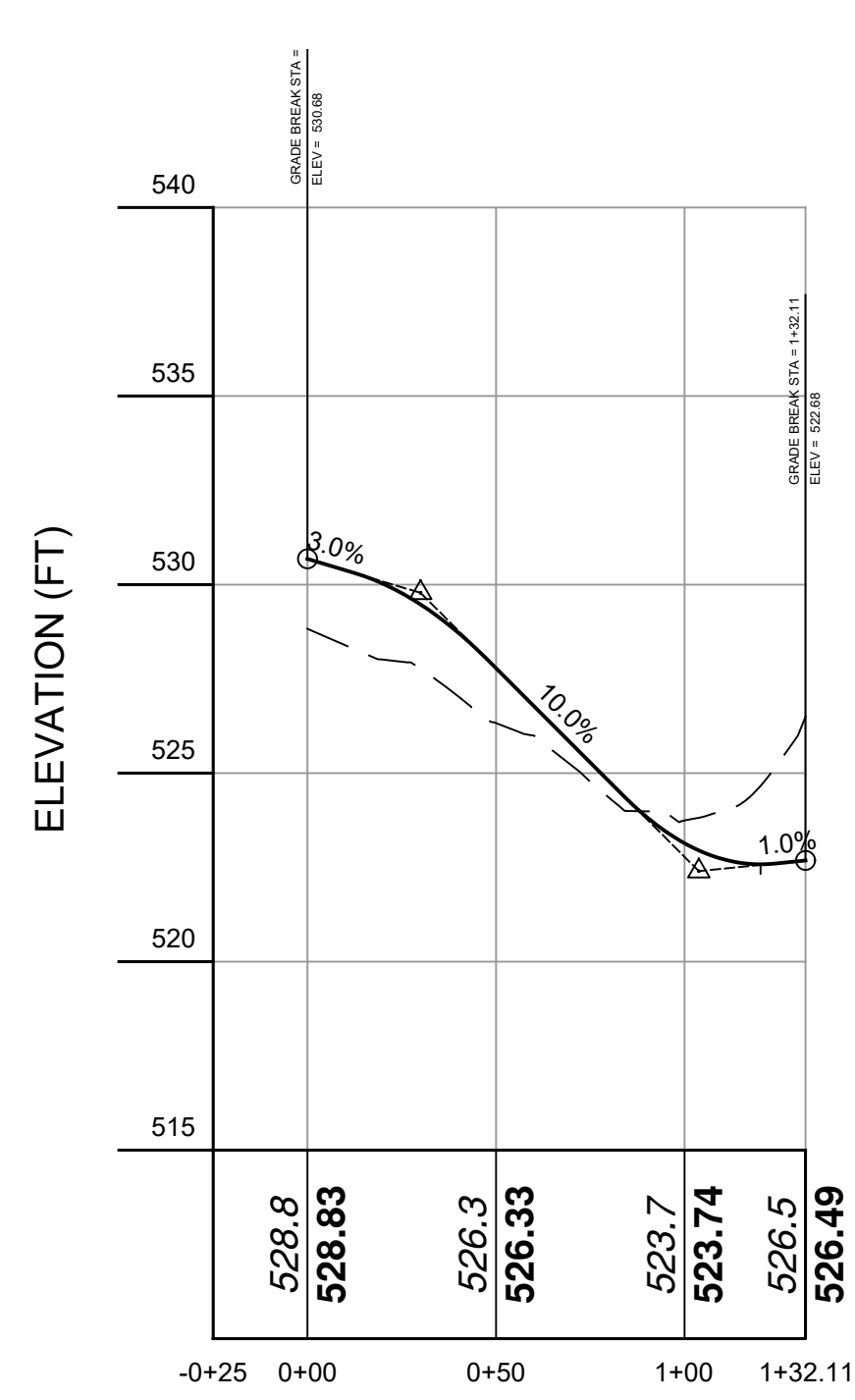
LOT 3 DRIVE
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HORIZ. SCALE: 1" = 50



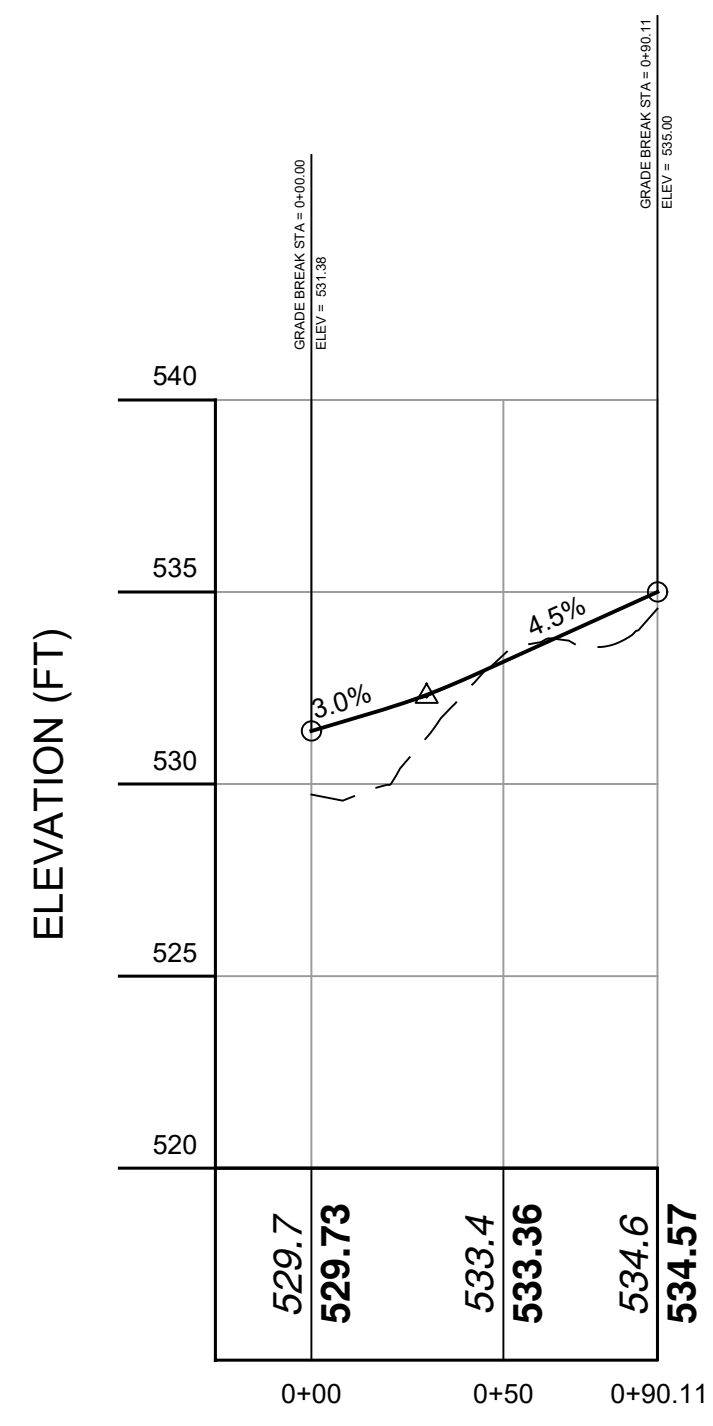
LOT 4 DRIVE
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HORIZ. SCALE: 1" = 50



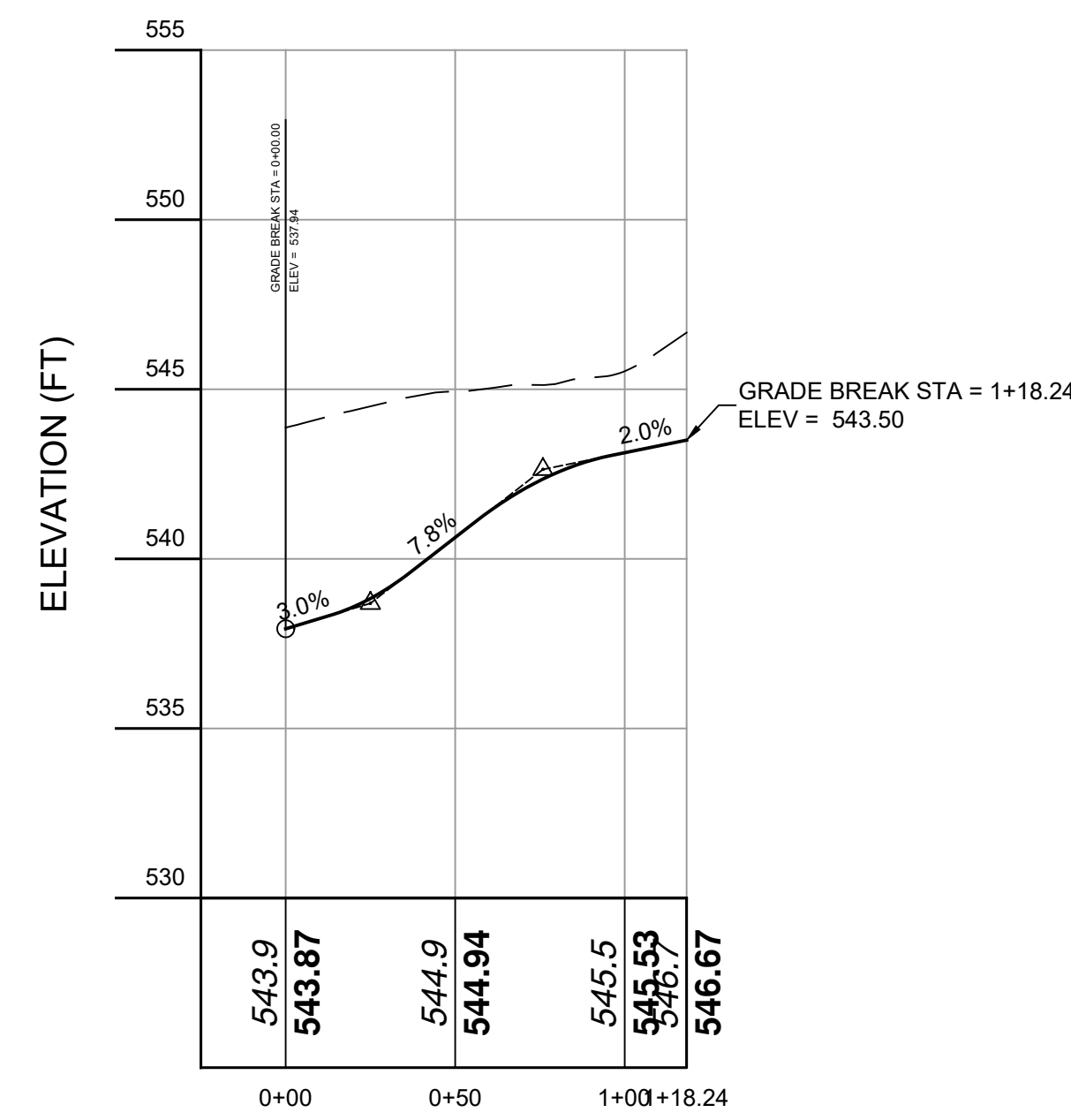
LOT 5 DRIVE
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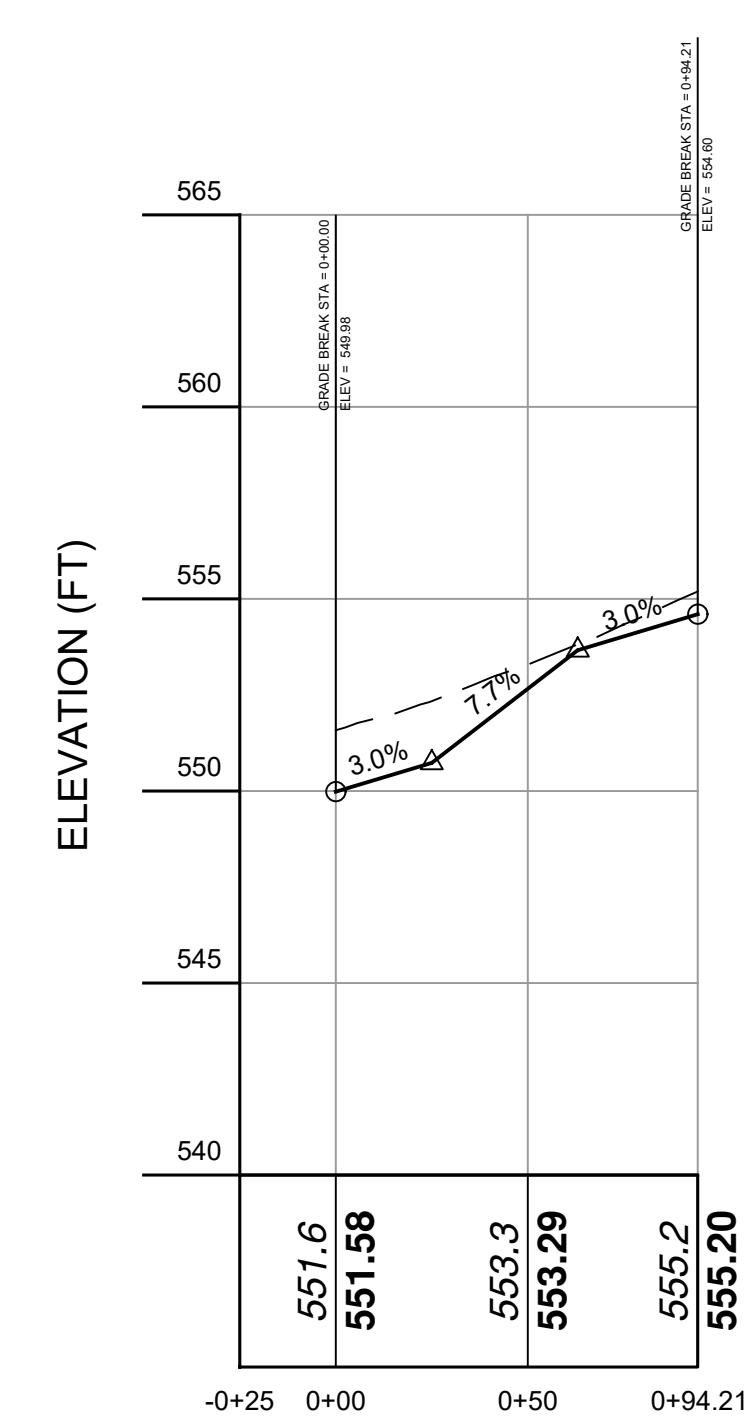
LOT 6 DRIVE
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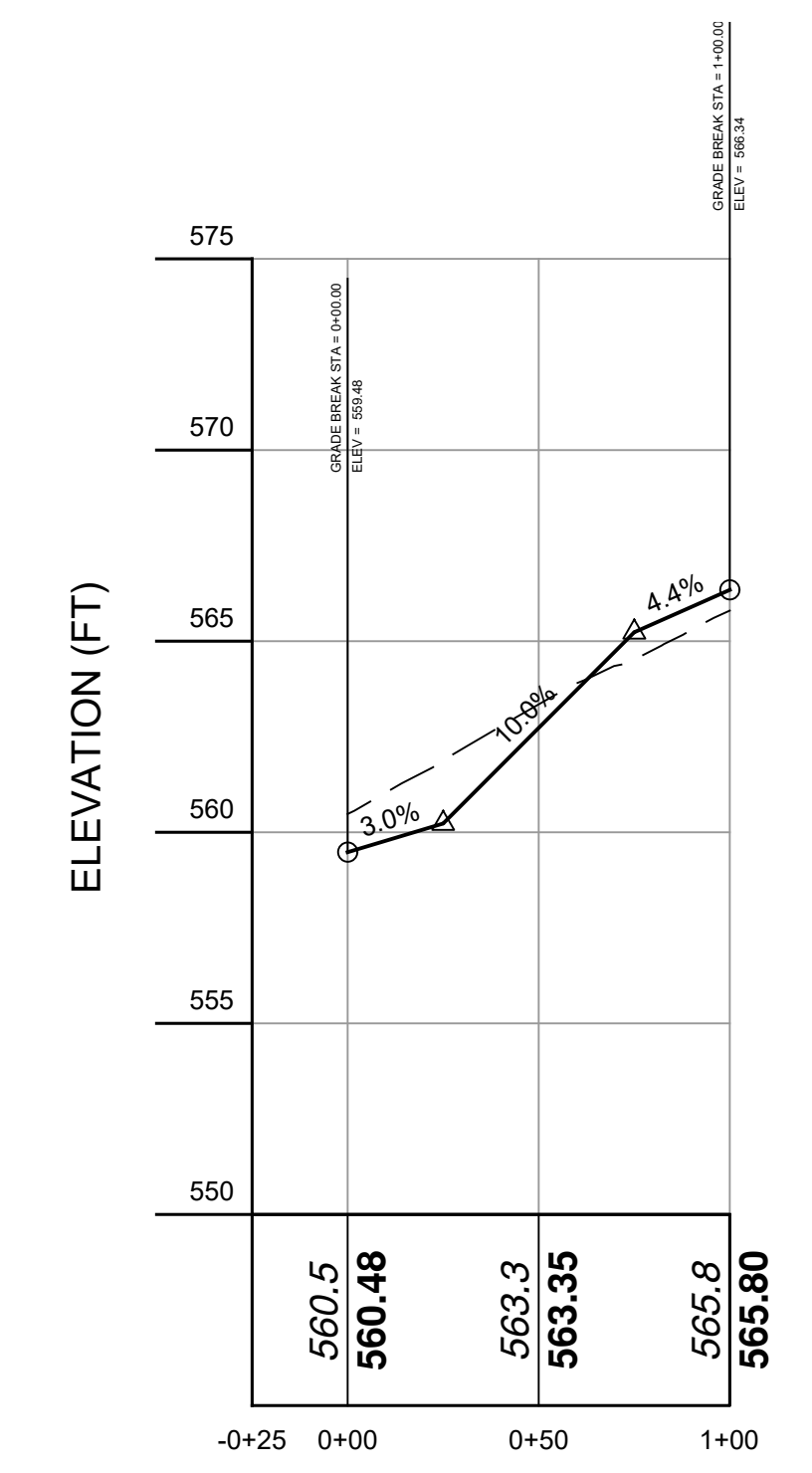
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HORIZ. SCALE: 1" = 50



Lot 8
VERT. SCALE: 1" = 5
HORIZ. SCALE: 1" = 50



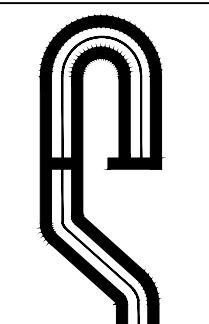
Lot 9 Driveway
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HORIZ. SCALE: 1" = 50



Lot 10 Driveway
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HORIZ. SCALE: 1" = 50

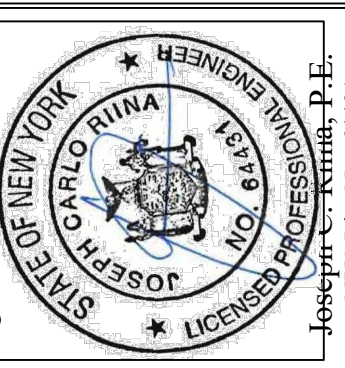
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Engineer: Joseph E. Kamin, P.E.
NYS Lic. No. 64431

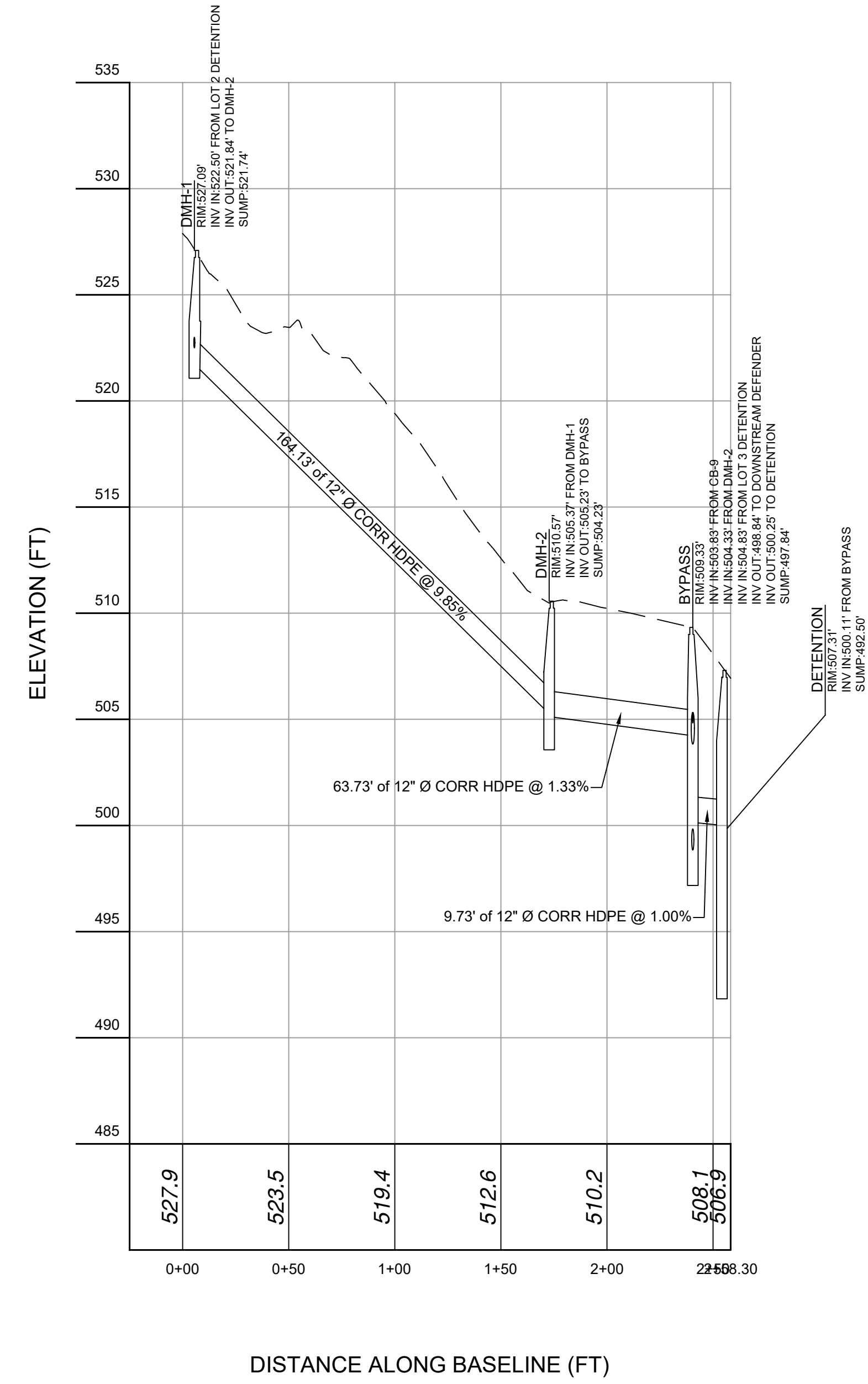
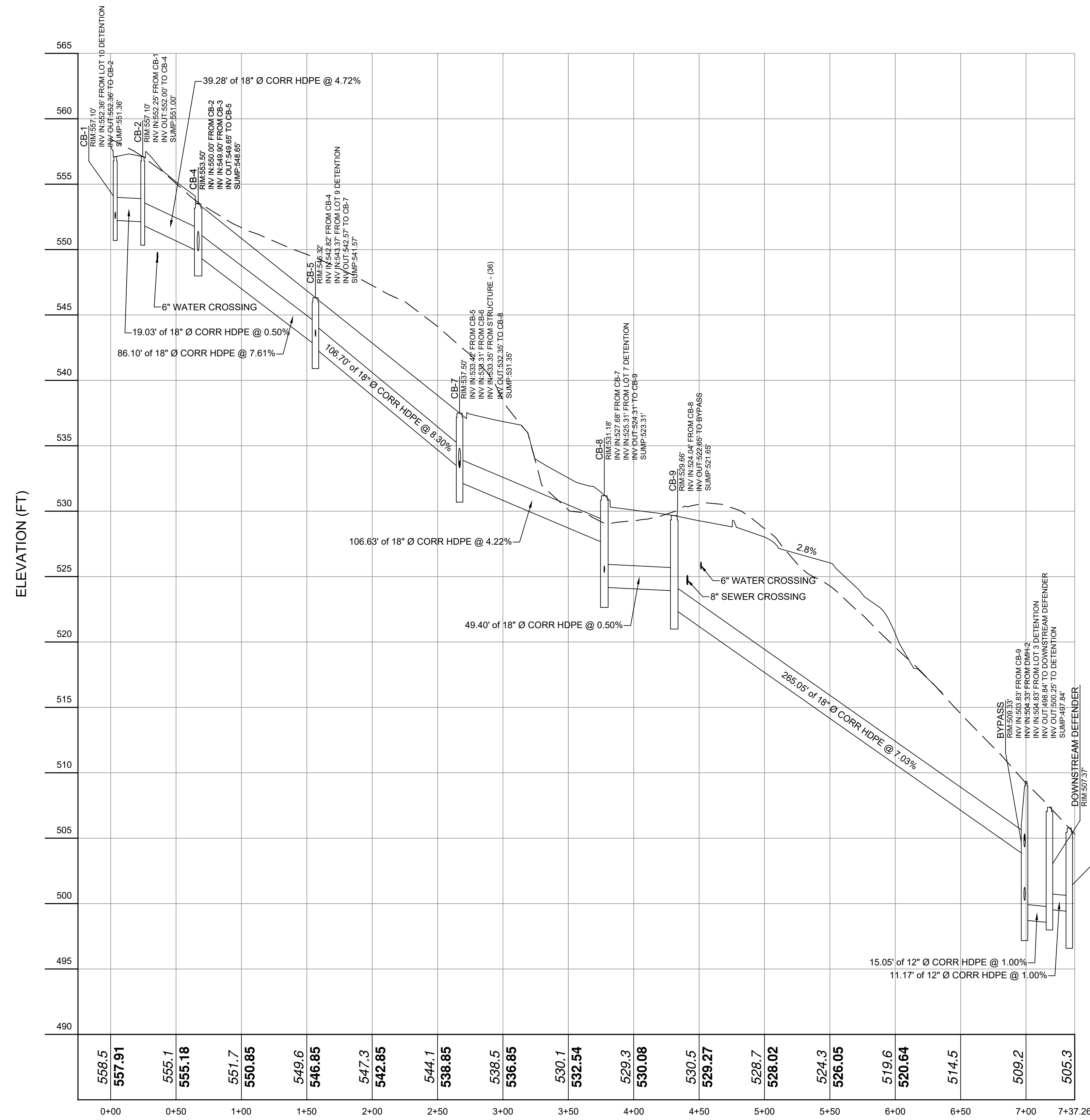
Revisions:	No.	Date	Comments
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	2	2/21/23	Tree Update
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	5	7/31/24	Plan Updates
	6		Plan Updates

SCALE: NTS	DRAWN BY: TK	DATE: 5/7/21
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DRIVEWAY
PROFILES

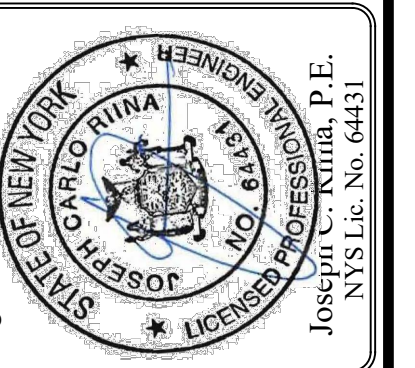
SITE PLAN
PREPARED FOR
NIKOLLA GRISHAJ
3319 STONY STREET
Town of Yorktown
Westchester County, New York

Sheet 7 of 18



NOTE:
1. THIS IS NOT A SURVEY. ALL SURVEY INFORMATION SHOWN ON THIS PLAN HAS BEEN TAKEN FROM SURVEY MAP PREPARED BY NAME OF SURVEYOR, DATED XXXXXX, LAST REVISED XXXXXX. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

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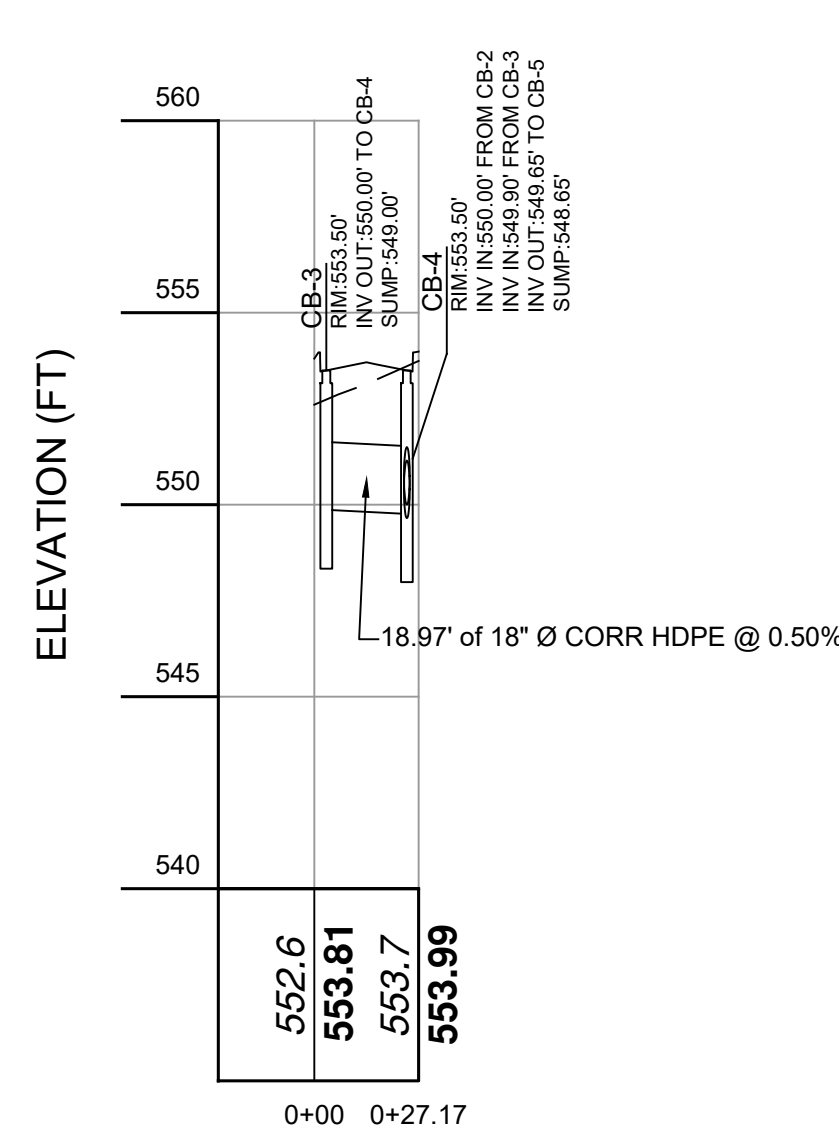


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SCALE:	NTS
DRAWN BY:	TK
DATE:	5/7/21

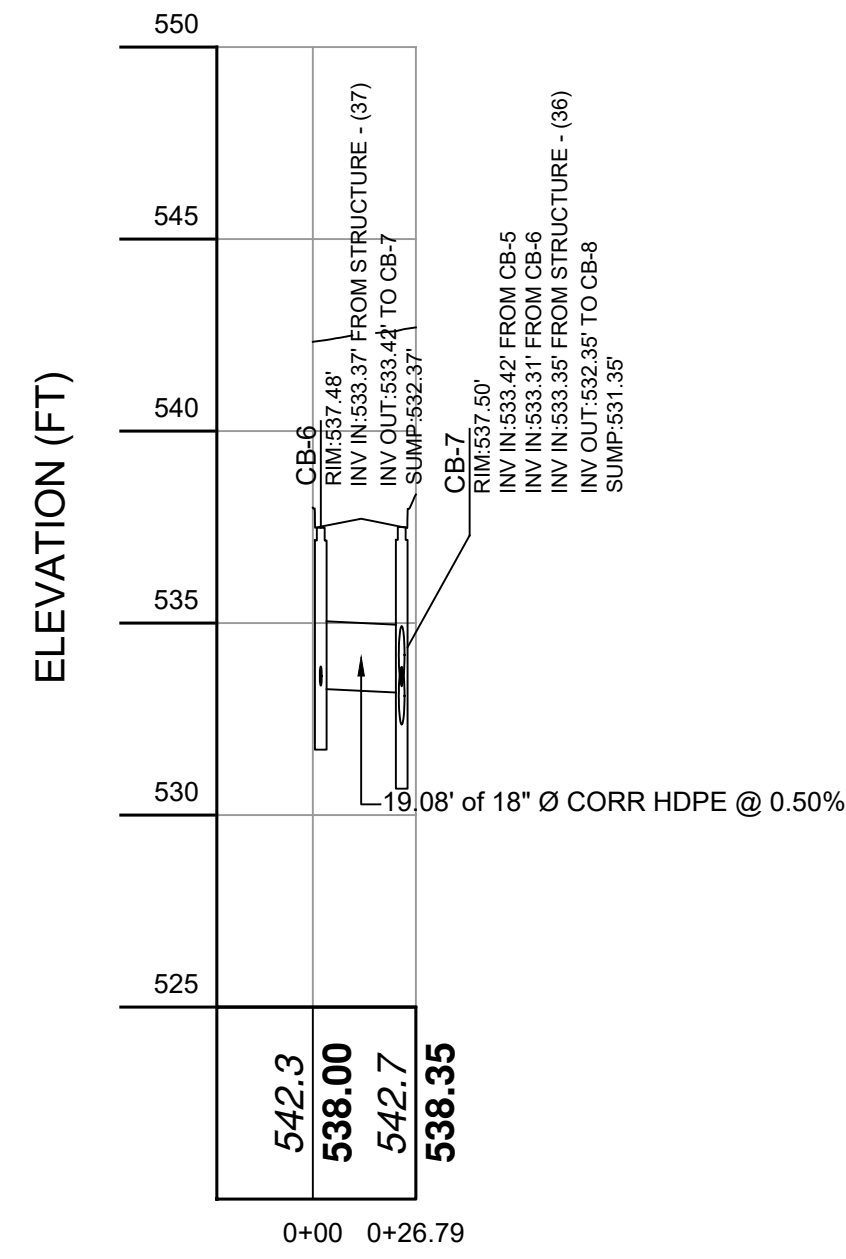
DRAINAGE PROFILES

SITE PLAN PREPARED FOR
NIKOLLA GRISHAJ
3319 STONY STREET
Town of Yorktown Westchester County, New York



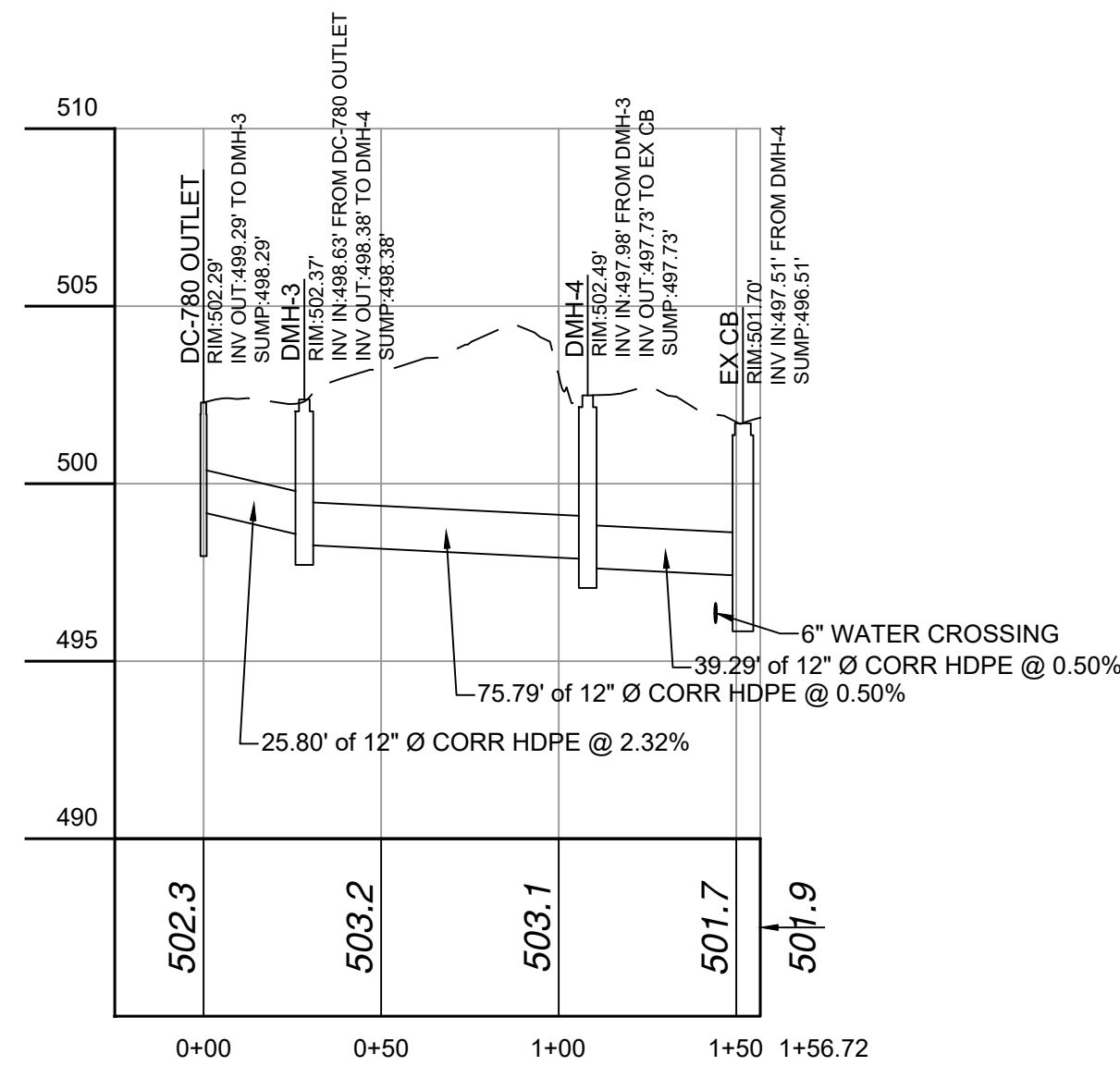
DISTANCE ALONG BASELINE (FT)

CB-3 TO CB-4
VERT. SCALE: 1" = 5
HORIZ. SCALE: 1" = 50



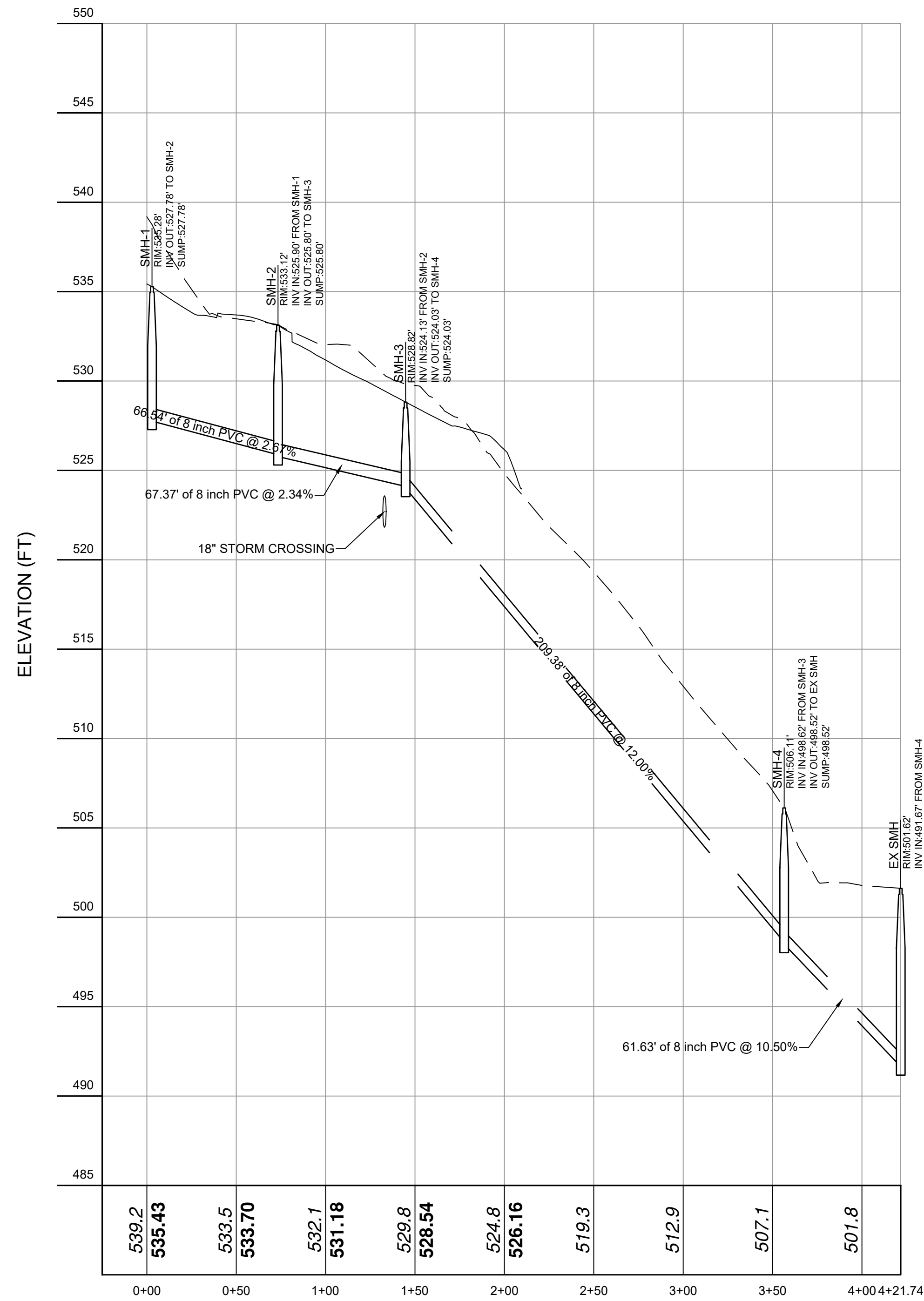
DISTANCE ALONG BASELINE (FT)

CB-5 TO CB-6
VERT. SCALE: 1" = 5
HORIZ. SCALE: 1" = 50



DISTANCE ALONG BASELINE (FT)

TREATMENT TO EX CB
VERT. SCALE: 1" = 5
HORIZ. SCALE: 1" = 50



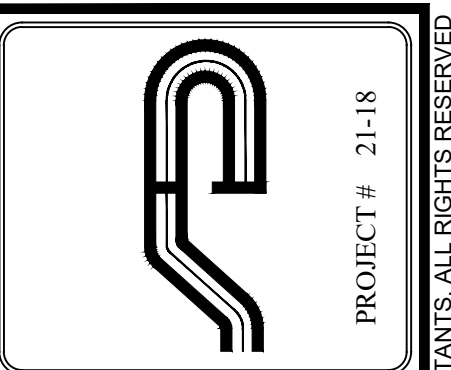
DISTANCE ALONG BASELINE (FT)

SANITARY SEWER
VERT. SCALE: 1" = 5
HORIZ. SCALE: 1" = 50

E:\2021\18 GRISHAJ - STONY STREET\ENGINEERING\CADD\21-18 GRISHAJ - STONY STREET\UTILITY PROFILES\5_16_22\DWG_11652017.2-18-52.DWG

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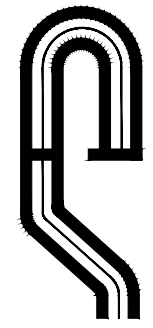
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SCALE: NTS
DRAWN BY: TK
DATE: 5/7/21

DARJANGE AND SANITARY SEWER PROFILES

SITE PLAN PREPARED FOR
NIKOLLA GRISHAJ
3319 STONY STREET
Town of Yorktown Westchester County, New York

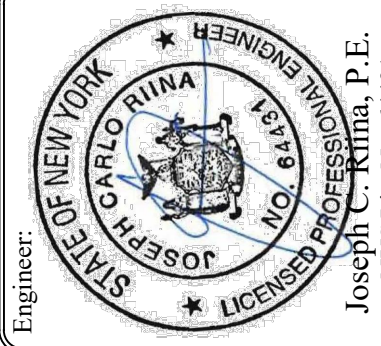
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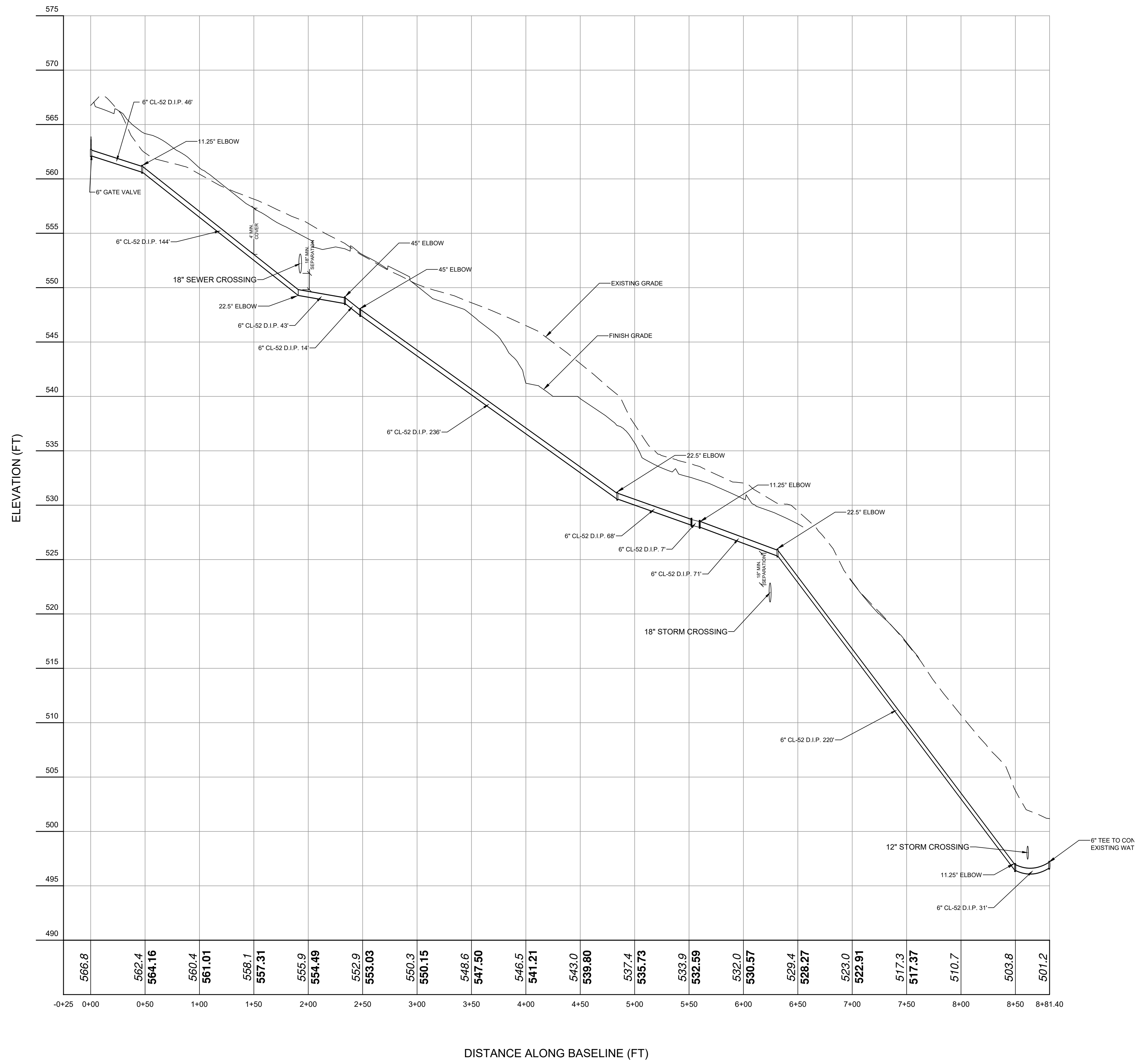
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SCALE:	NTS
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DATE:	5/7/21

WATERMAIN PROFILES

SITE PLAN PREPARED FOR
NIKOLLA GRISHAJ
3319 STONY STREET
Town of Yorktown Westchester County, New York

Sheet 10 of 18

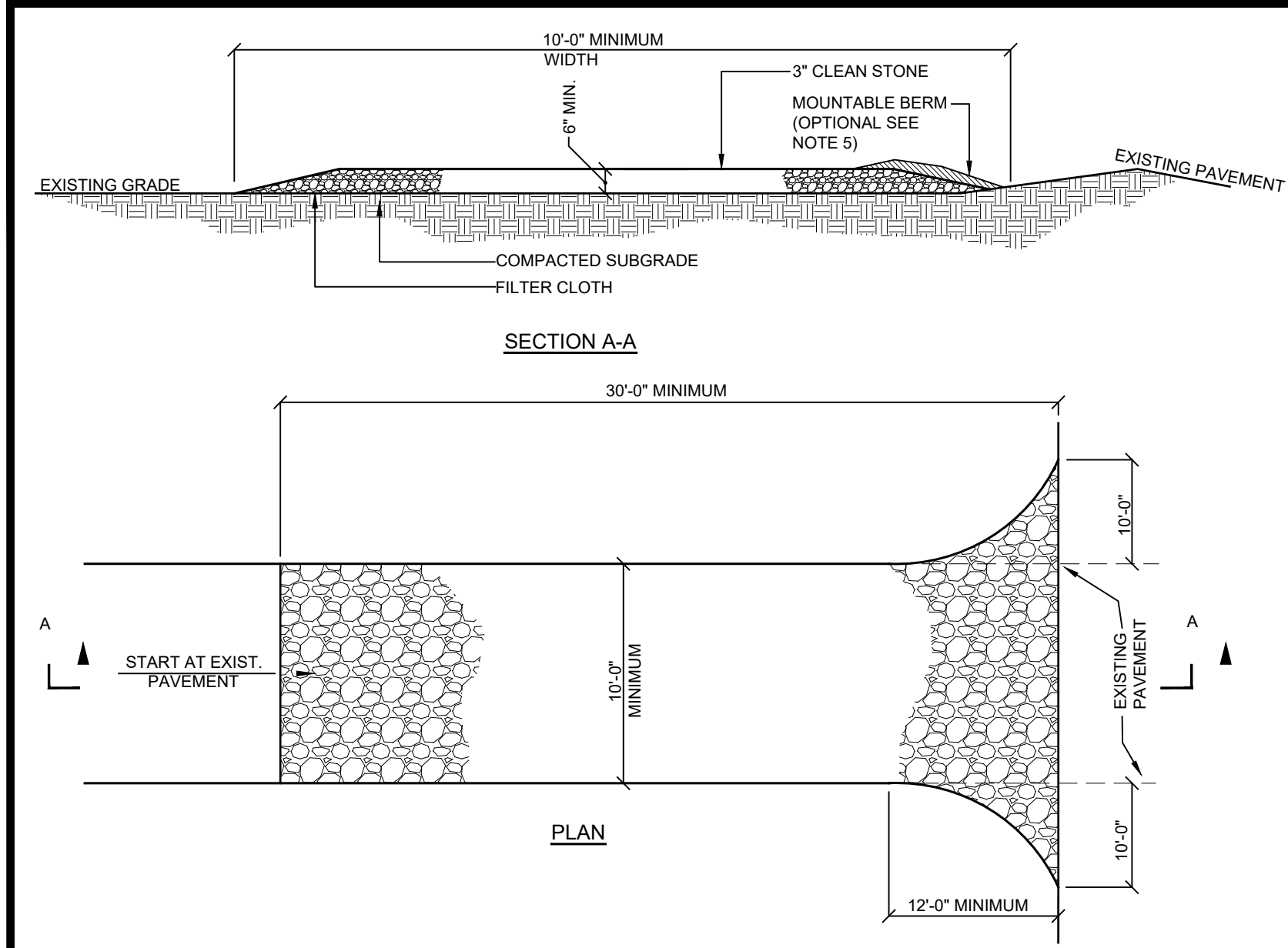


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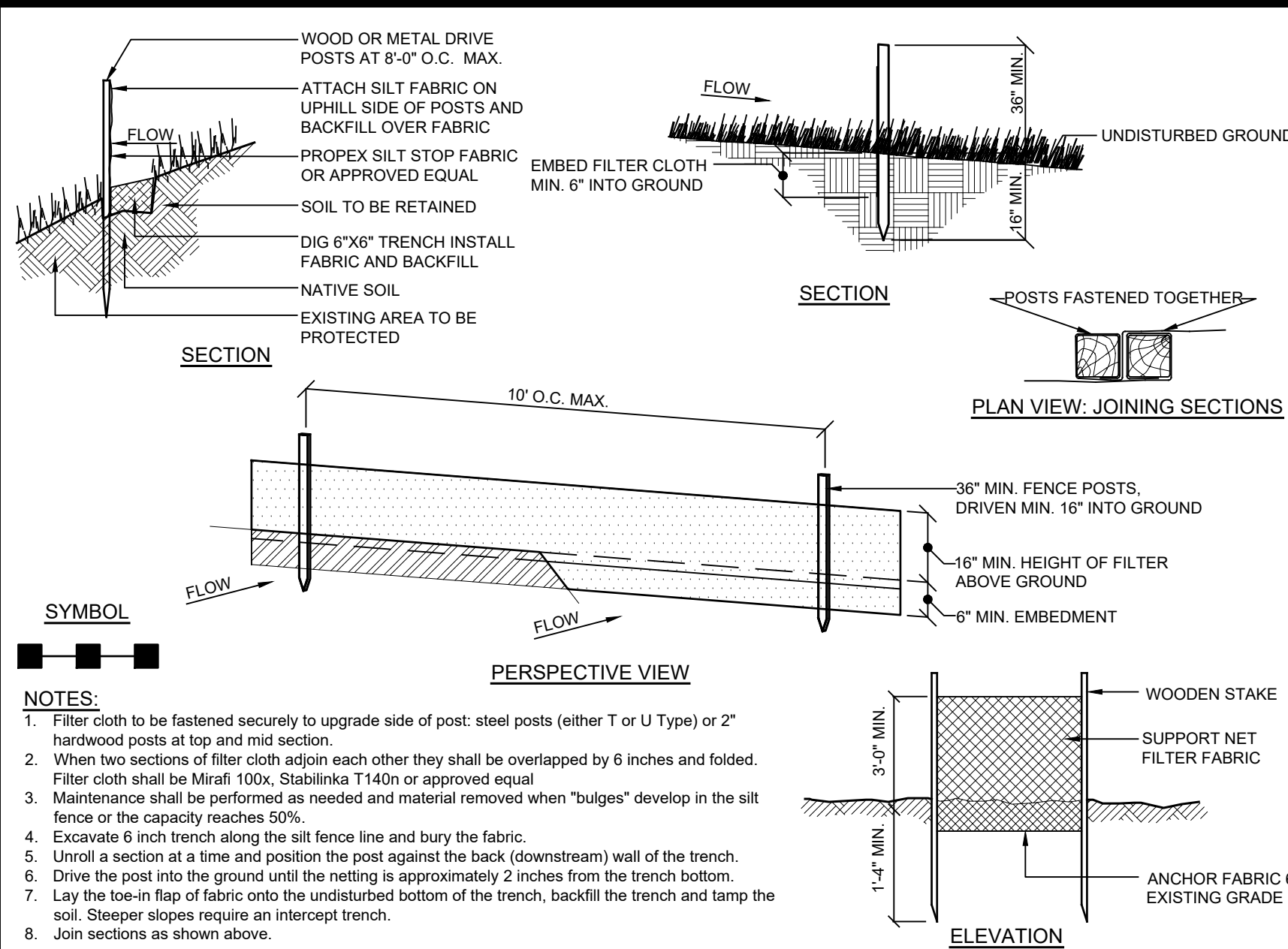
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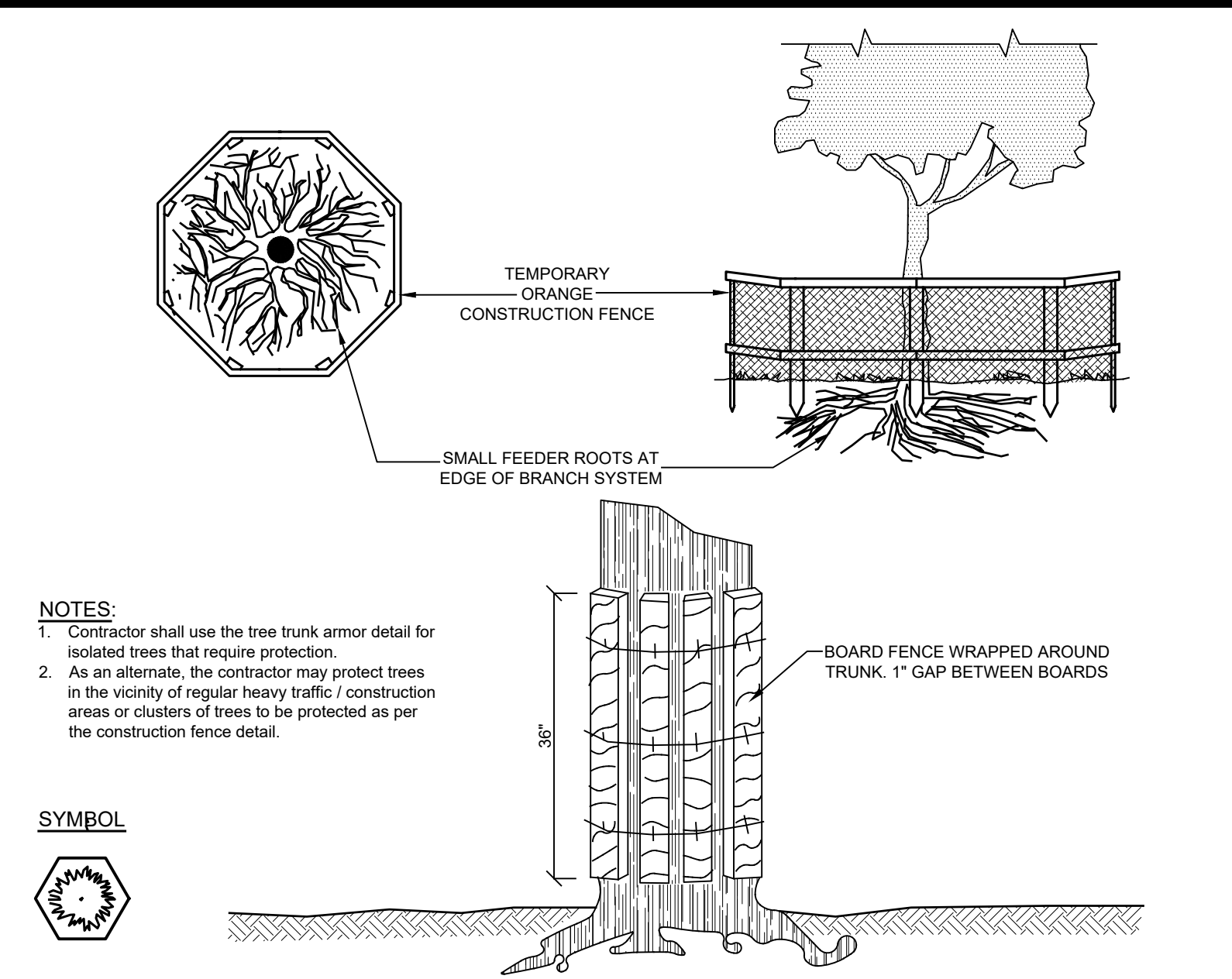
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- INSTALLATION NOTES:**
- Stone size - use 3" min. Stone, or reclaimed or recycled concrete equivalent.
 - Length - as required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
 - Thickness - not less than six (6) inches.
 - Width - 10 foot minimum, but not less than the full width at points where ingress or egress occur. 24 ft if single entrance to site.
 - 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.
 - 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 cleanouts of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public right of way must be removed immediately.
 - 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.
 - Periodic inspection and needed maintenance shall be provided after each rain.



- NOTES:**
- Filter cloth to be fastened securely to upgrade side of post: steel posts (either T or U type) or 2" hardwood posts at top and mid section.
 - When two sections of filter cloth adjoin each other they shall be overlapped by 6 inches and folded. Filter cloth shall be Mirafil 100x, Stablilinka T140n or approved equal.
 - Maintenance shall be performed as needed and material removed when "bulges" develop in the silt fence or the capacity reaches 50%.
 - Excavate 6 inch trench along the silt fence line and bury the fabric.
 - Unroll a section at a time and position the post against the back (downstream) wall of the trench.
 - Drive the post into the ground until the netting is approximately 2 inches from the trench bottom.
 - 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.
 - Join sections as shown above.

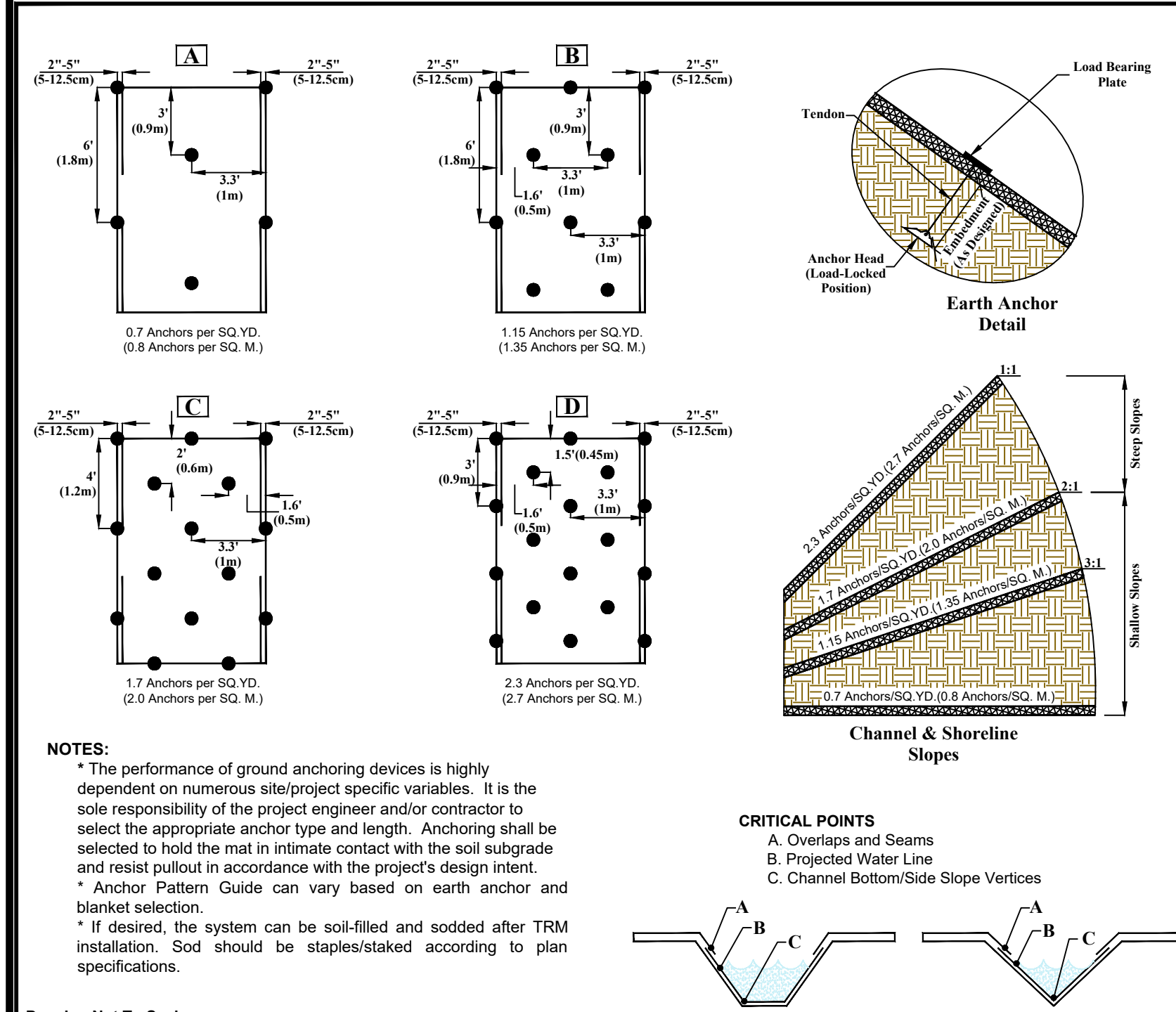


- NOTES:**
- Contractor shall use the tree trunk armor detail for isolated trees that require protection.
 - As an alternate, the contractor may protect trees in the vicinity of regular heavy traffic / construction areas or clusters of trees to be protected as per the construction fence detail.

E-1 **STABILIZED CONSTRUCTION ENTRANCE DETAIL**
NOT TO SCALE

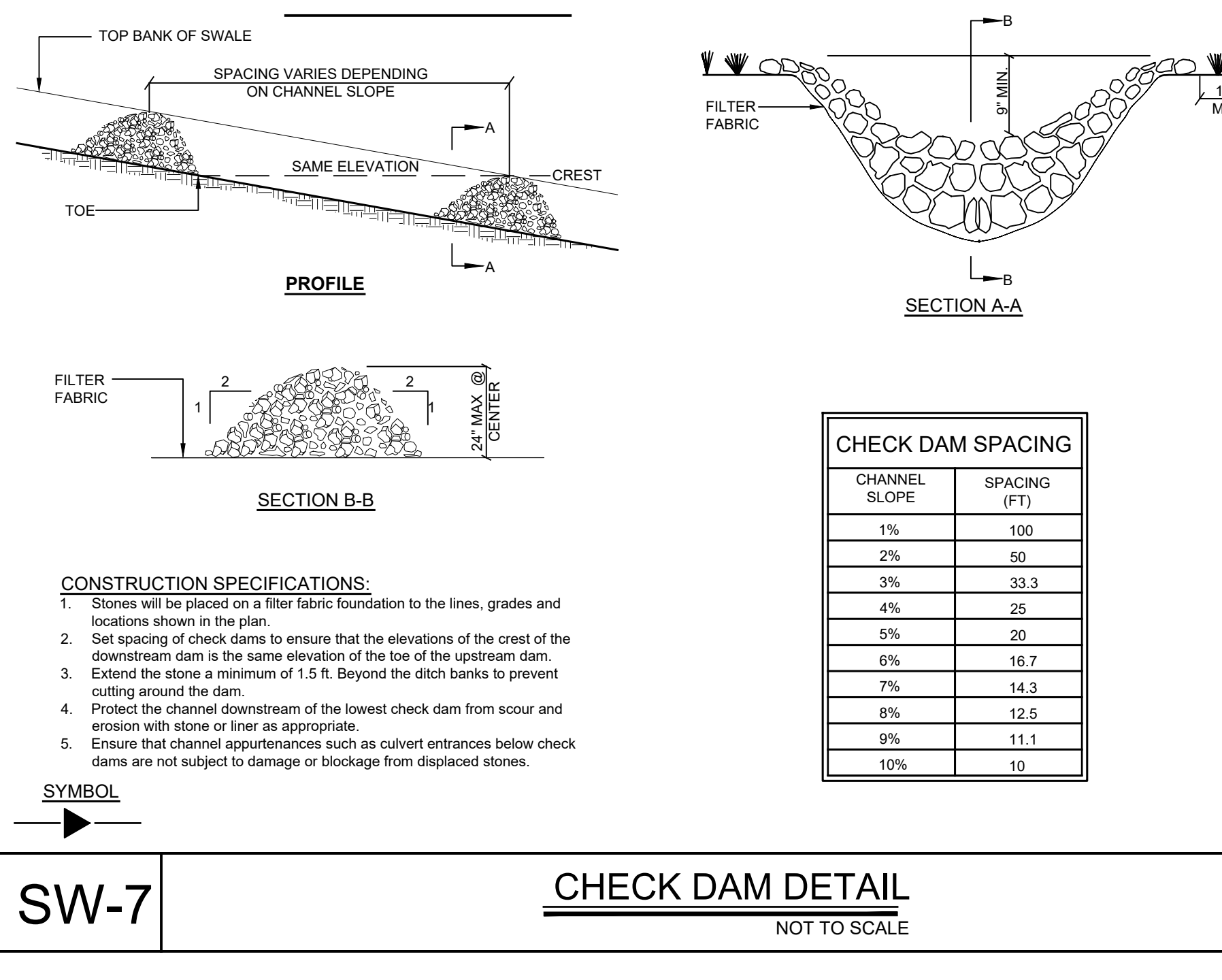
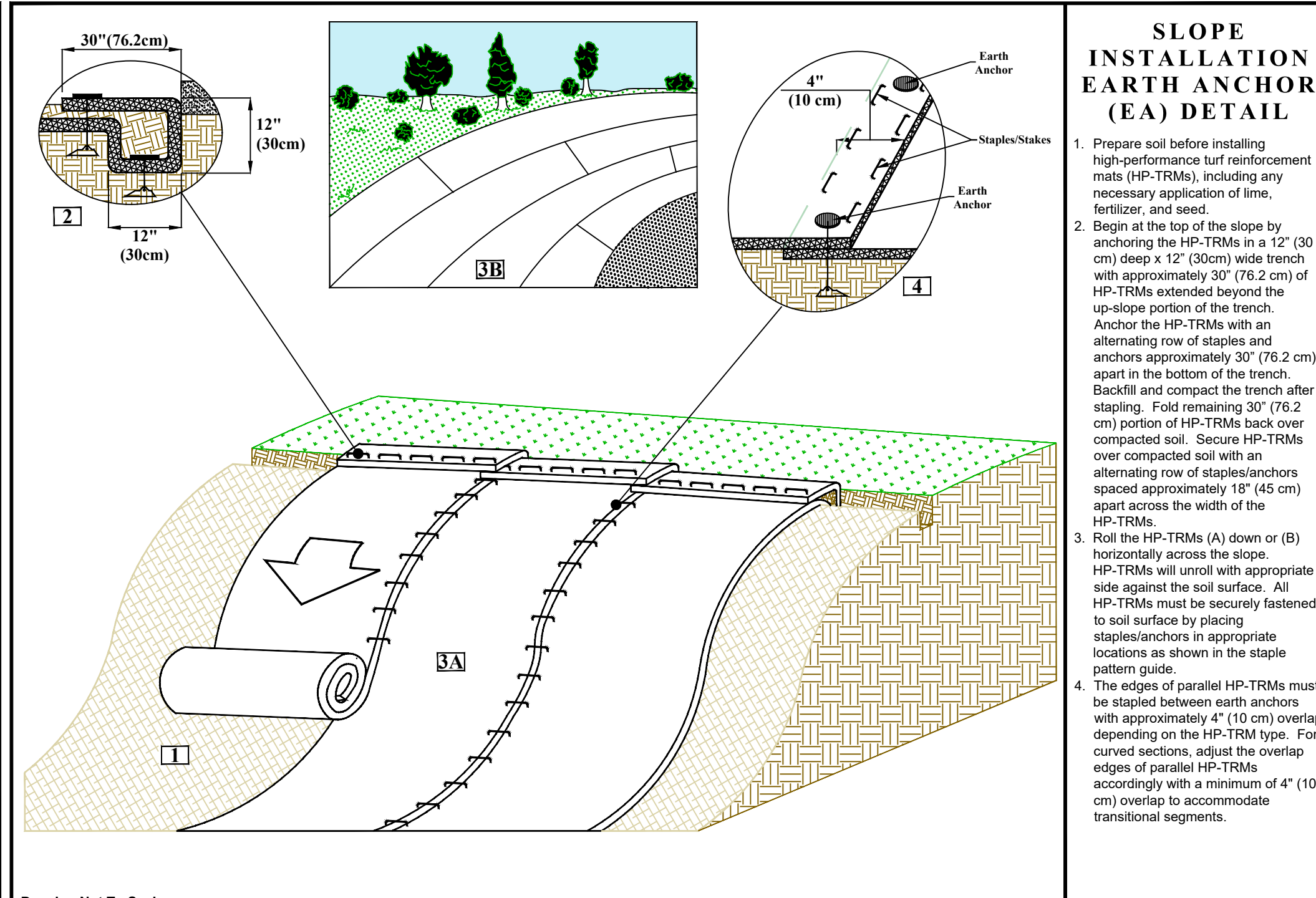
E-2 **SILT FENCE DETAIL**
NOT TO SCALE

E-3 **TREE TRUNK ARMOR / TREE PROTECTION DETAIL**
NOT TO SCALE



SLOPE INSTALLATION EARTH ANCHOR (EA) DETAIL

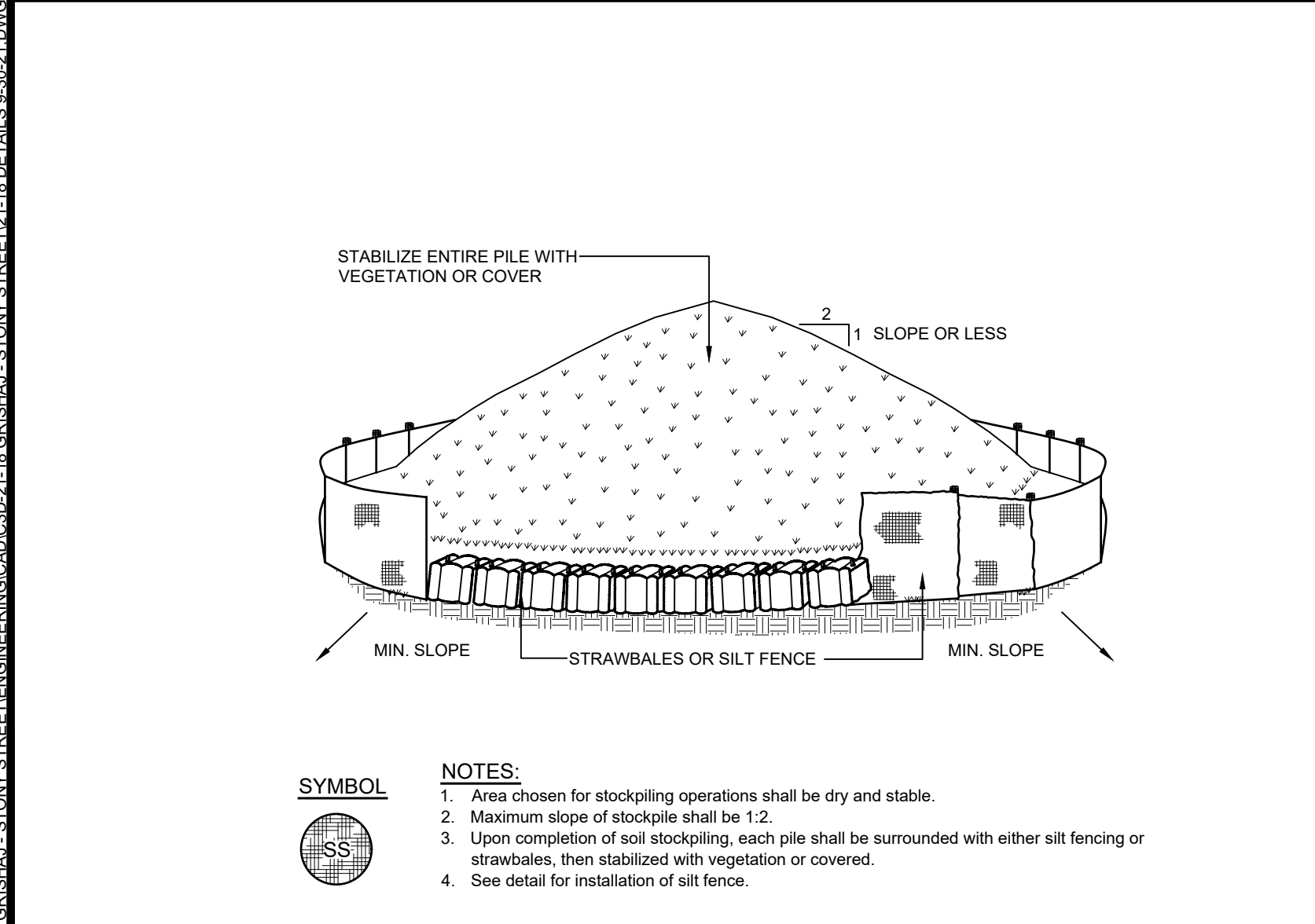
- Prepare soil before installing high-performance turf reinforcement mats (HP-TRMs), including any necessary application of lime, fertilizer, and seed.
- Begin at the top of the slope by anchoring the HP-TRMs in a 6" (15 cm) deep x 6" (15cm) wide trench with approximately 12" (30 cm) of HP-TRMs extended beyond the up-slope portion of the trench. Anchor the HP-TRMs with a row of staples and anchors approximately 12" (30 cm) apart in the bottom of the trench. Backfill and compact the trench after stapling. Apply seed to compacted soil and fold remaining 12" (30 cm) portion of HP-TRMs back over seed and compacted soil. Secure HP-TRMs over compacted soil with a row of staples/stakes spaced approximately 12" (30 cm) apart across the width of the HP-TRMs.
- Roll the HP-TRMs (A) down or (B) horizontally across the slope. HP-TRMs will unroll with appropriate side against the soil surface. All HP-TRMs must be securely fastened to soil surface by placing staples/stakes in appropriate locations as shown in the staple pattern guide.
- The edges of parallel HP-TRMs must be stapled with approximately 2" - 5" (5-12.5cm) overlap depending on the HP-TRM type.
- Consecutive HP-TRMs spliced down the slope must be end over end (Shingle style) with an approximate 3" (7.5cm) overlap. Staple through overlapped area, approximately 12" (30cm) apart across entire HP-TRM width.



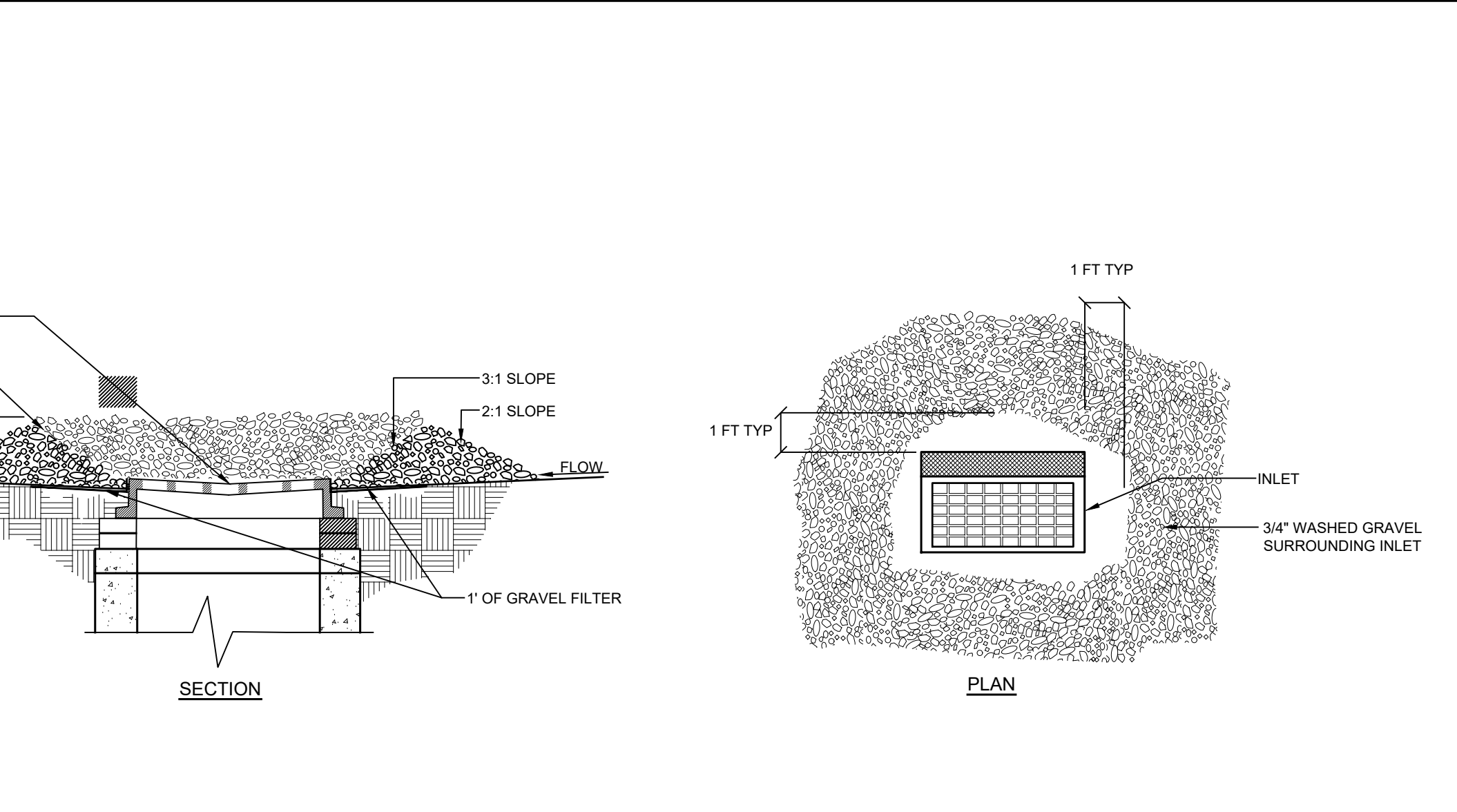
Tensor. NORTH AMERICAN GREEN
4501 St. Wendel - Cynthia Rd. PO Box 772-2040
Poseyville, IN 47633
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www.tensornagreen.com
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SW-7 **CHECK DAM DETAIL**
NOT TO SCALE



- NOTES:**
- Area chosen for stockpiling operations shall be dry and stable.
 - Maximum slope of stockpile shall be 1:2.
 - Upon completion of soil stockpiling, each pile shall be surrounded with either silt fencing or strawbales, then stabilized with vegetation or covered.
 - See detail for installation of silt fence.



E-4 **SOIL STOCKPILE DETAIL**
NOT TO SCALE

E-5 **INLET PROTECTION DETAIL**
NOT TO SCALE

SW-7 **CHECK DAM DETAIL**
NOT TO SCALE

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SEAL: JOSEPH C. RIINA, P.E.
NYS Lic. No. 64431

Revisions:

No.	Date	Comments
1	10/7/21	Plan Revisions
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4	4/2/24	Plan Updates
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SCALE: N.T.S.
DRAWN BY: TK
DATE: 5/7/21

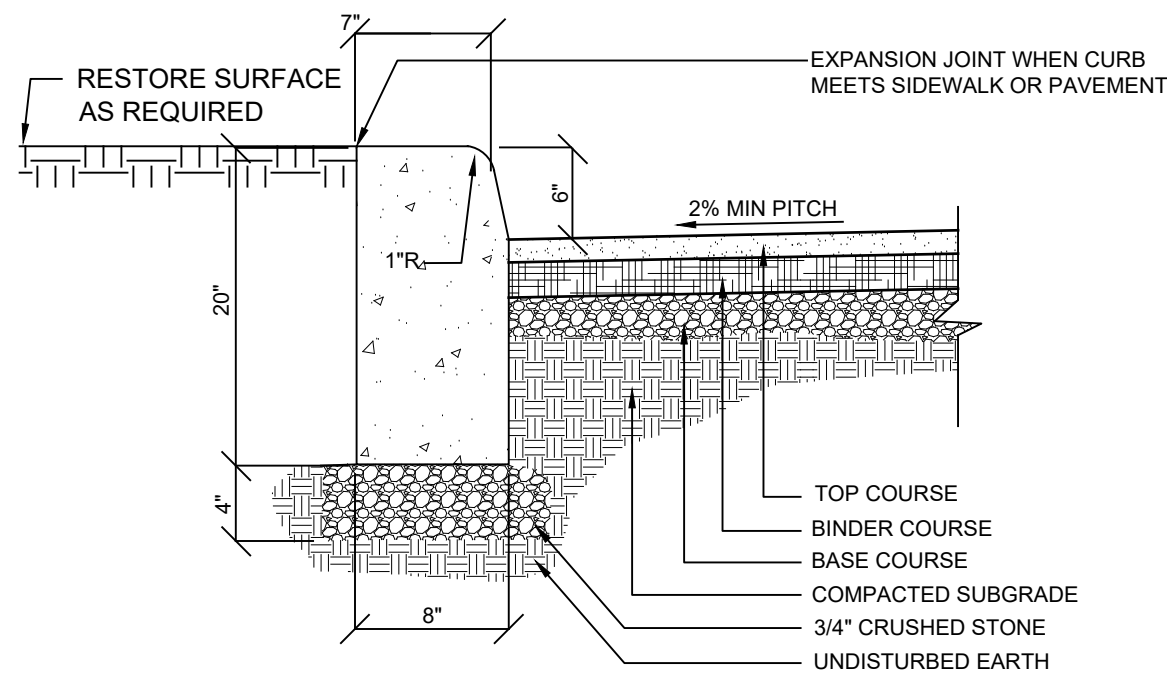
**E&S
DETAILS**

SITE PLAN PREPARED FOR
NIKOLLA GRISHAJ
3319 STONY STREET
Town Of Yorktown
Westchester County, New York

E-4 **SOIL STOCKPILE DETAIL**
NOT TO SCALE

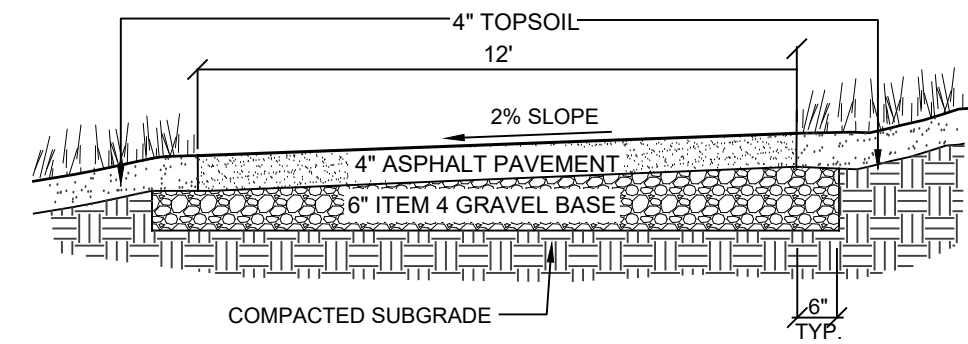
E-5 **INLET PROTECTION DETAIL**
NOT TO SCALE

SW-7 **CHECK DAM DETAIL**
NOT TO SCALE

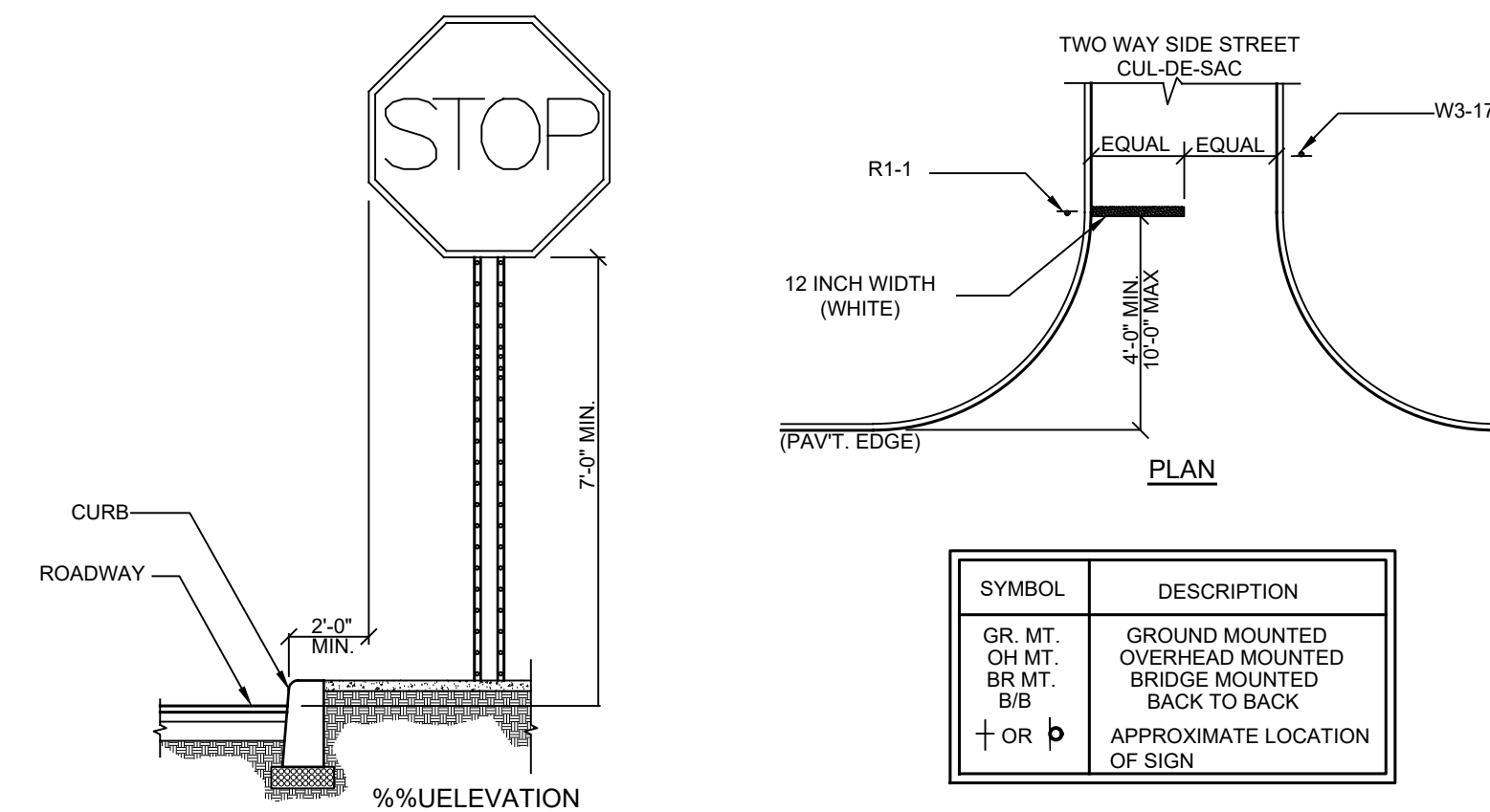


NOTE:
 1. Provide 1/2" expansion joint in concrete curb every ten feet.
 2. Construct curb with class A concrete (3000 psi).

R-1 CONCRETE CURB DETAIL
NOT TO SCALE



R-2 DRIVEWAY DETAIL
NOT TO SCALE



TYPICAL INSTALLATION GUIDELINES

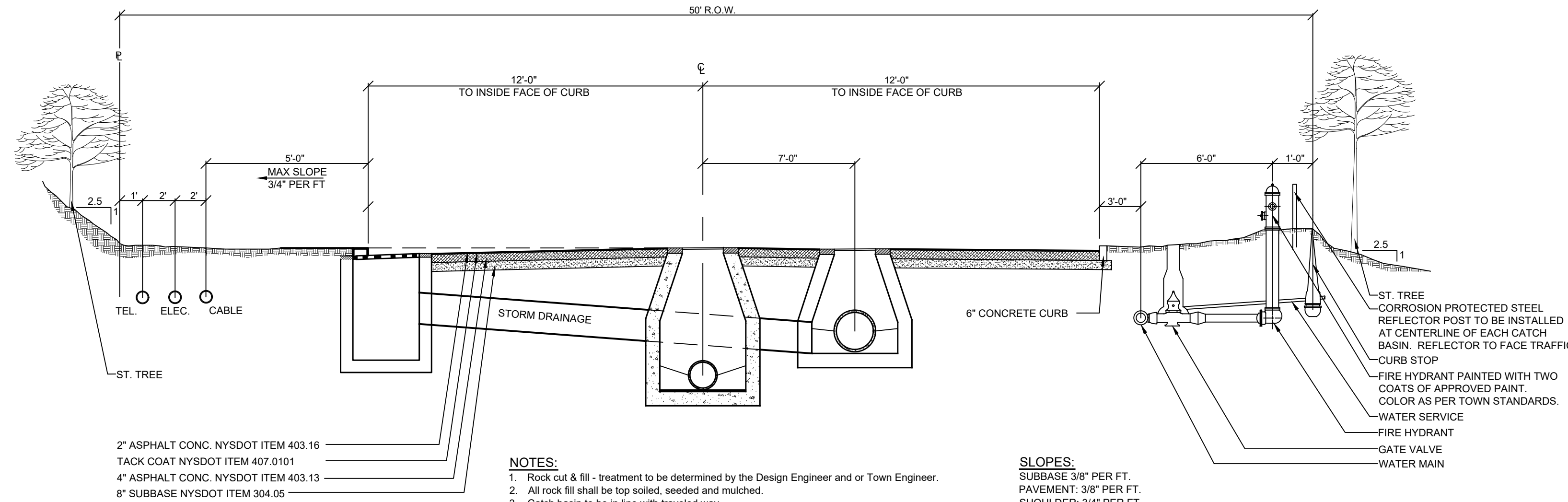
SIGN	M.U.T.C.D. NUMBER	SIZE OF SIGN	TYPE OF MOUNT
	R1-1	30" X 30"	GR. MT.

GENERAL NOTES:

- All signage shall be in accordance with the latest edition of the national MUTCD and the N.Y.S Supplement (MUTCD), September 2007, including the following:
 - Letter size and series
 - Legend and background color
 - Reflectivity
 - Size of sign
- The type of characters as specified in the standard specifications shall be as follows:

MUTCD CODE LETTER	TYPE OF CHARACTER
G.I.	TYPE IV
R.P.W.M.	TYPE IV OR V
- Sign locations as shown on plans are approximate. The Contractor shall relocate existing signs and install new signs in accordance with the MUTCD, latest edition. The Contractor shall contact the Town Engineer to discuss/resolve problem areas.
- Except where otherwise specified, parking signs shall be placed facing approaching traffic at an angle of between 30 and 45 degrees with the line of traffic flow. Parking signs shall be placed at each end of a regulation (single-headed arrows) and, within the regulation (double-headed arrows), at intervals not to exceed 200 ft.
- Where new signs are installed the Contractor shall affix a label to the back of the sign panel. This label will show the date of installation and identification numbers.
- Placement of W3-17 sign is prescribed in the General Municipal Law.

R-3 TRAFFIC SIGN DETAIL
NOT TO SCALE



NOTES:

- Rock cut & fill - treatment to be determined by the Design Engineer and or Town Engineer.
- All rock fill shall be top soiled, seeded and mulched.
- Catch basin to be in line with traveled way.
- Gas line to be installed on opposite side of traveled way from water main and 5' behind curb line.
- Invert to be installed in all storm manholes.
- Where sidewalks are installed, mailboxes shall be placed on opposite side of road.
- See subdrain detail for subdrain location.

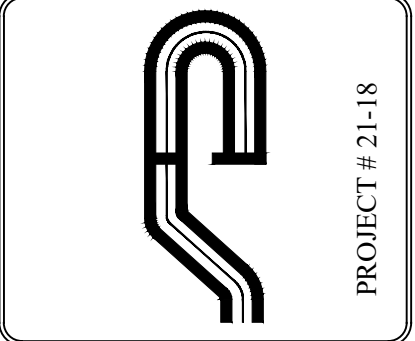
SLOPES:

SUBBASE 3/8" PER FT.
 PAVEMENT: 3/8" PER FT.
 SHOULDER: 3/4" PER FT.

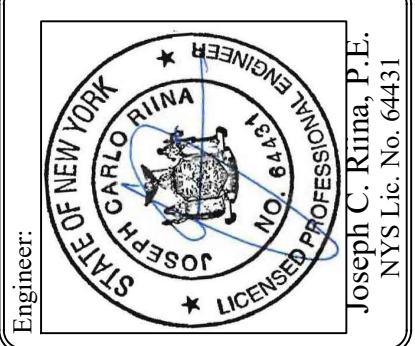
COMPACTION NOTE:

- The Contractor shall be responsible to ensure that all road courses meet the following NYSOT compaction specifications:
 Subbase Compaction: Item 203-3.12.
 Asphalt Compaction: Item 401-3.12.

R-2 TYPICAL 24 FT ROAD SECTION WITH 50 FT R.O.W.
NOT TO SCALE



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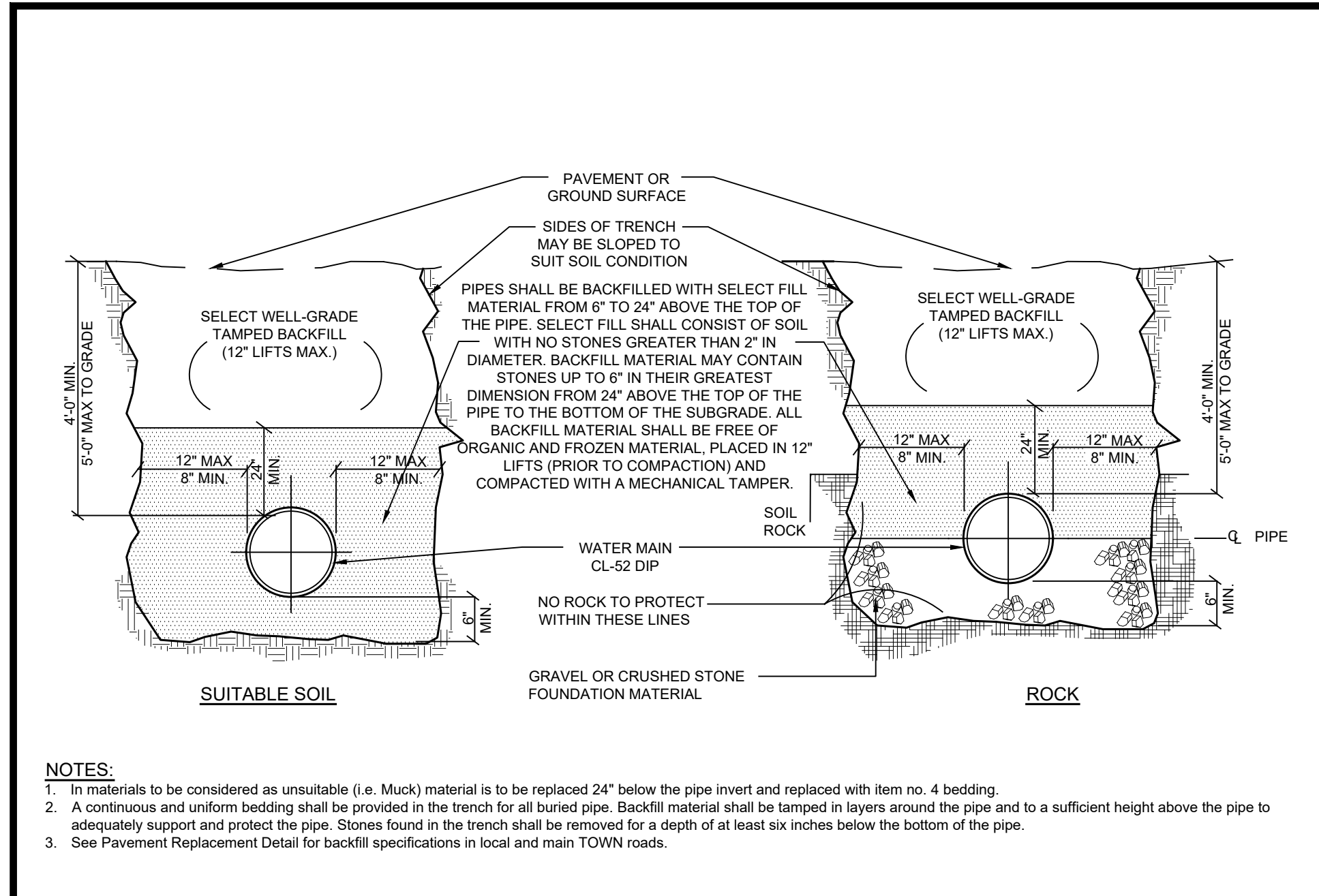
SITE DETAILS

SITE PLAN PREPARED FOR
NIKOLLA GRISHAJ
 3319 STONY STREET
 Town Of Yorktown Westchester County, New York

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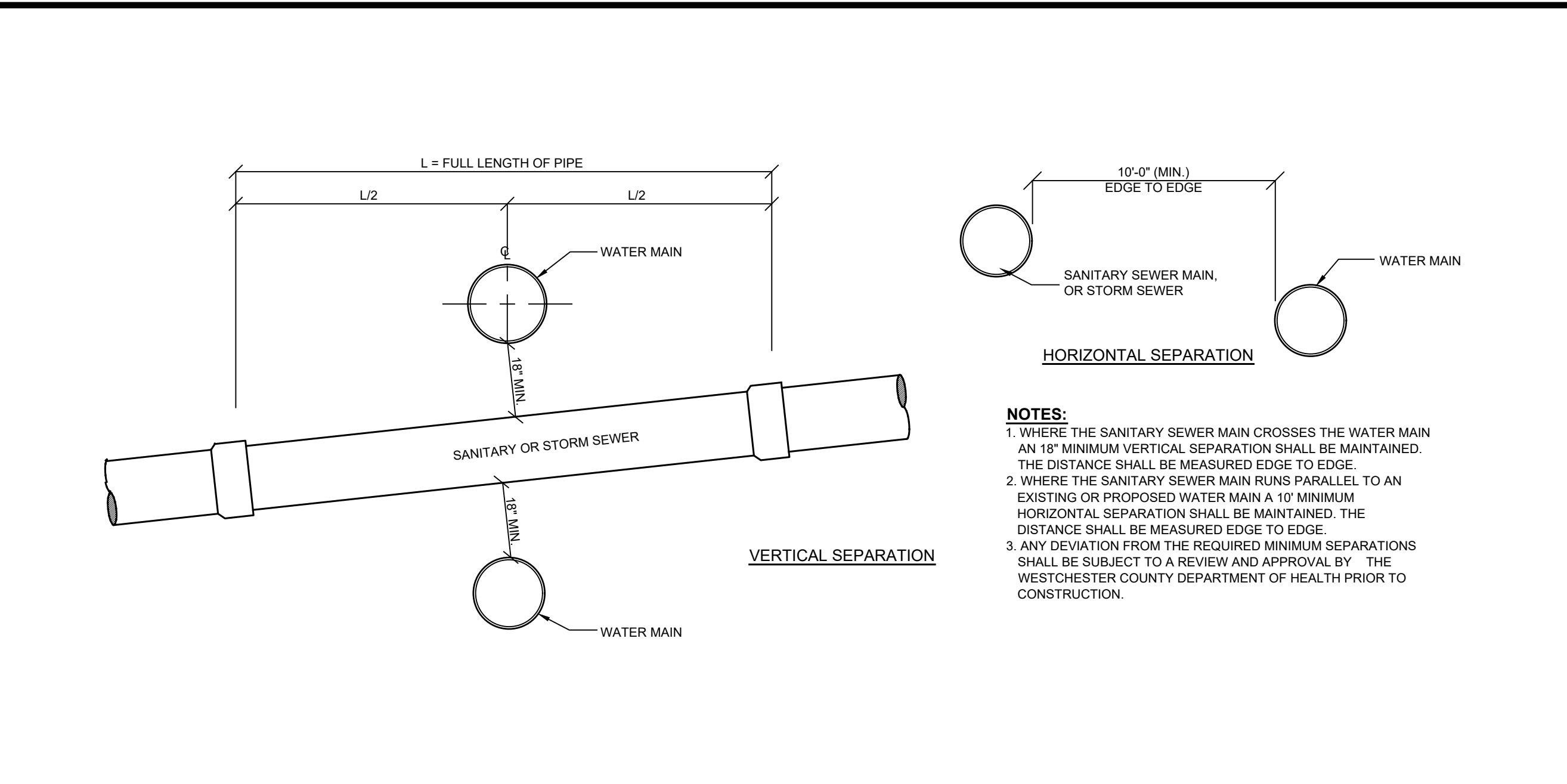
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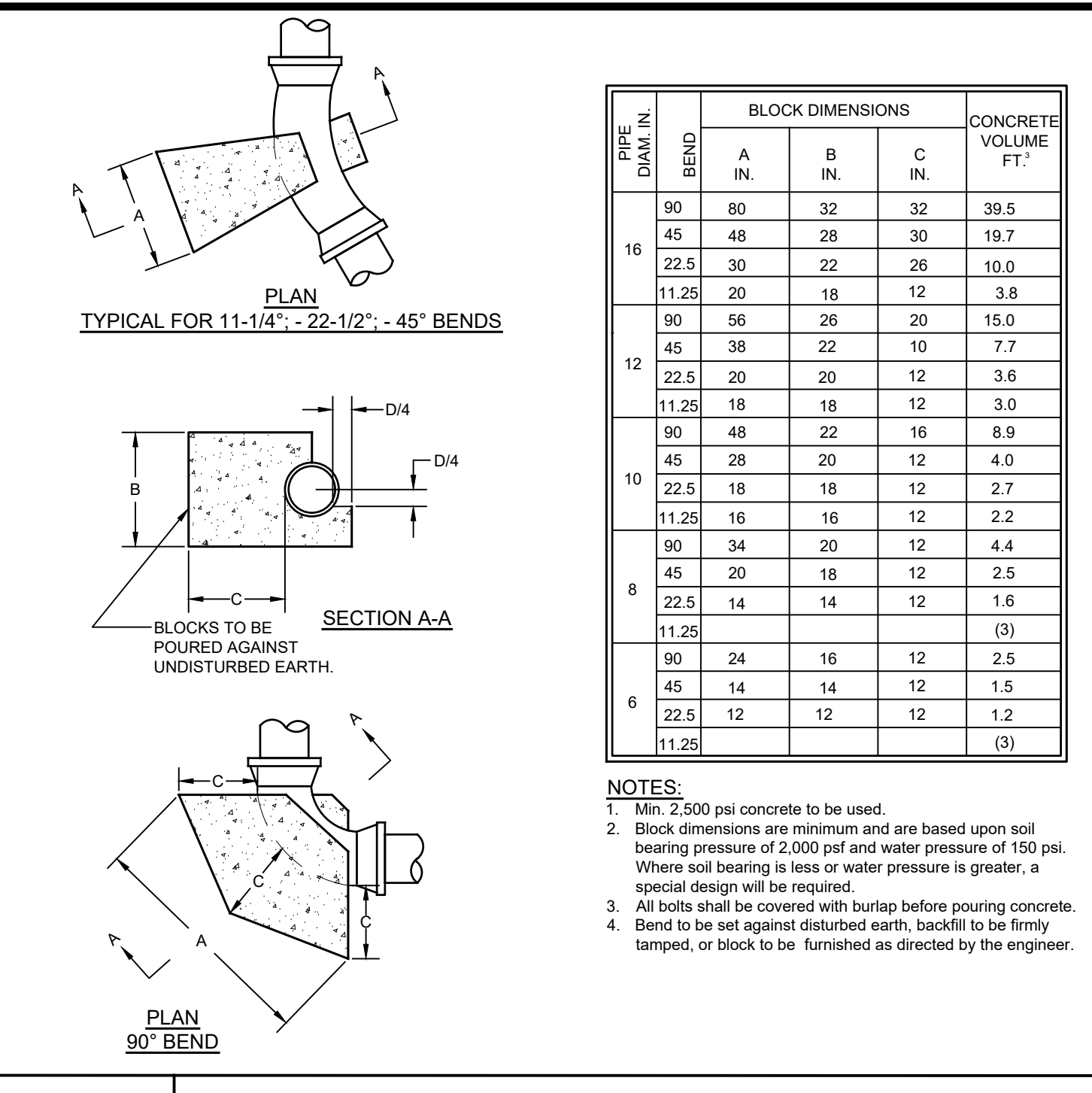
NOTES:
 1. In materials to be considered as unsuitable (i.e. Muck) material is to be replaced 24" below the pipe invert and replaced with item no. 4 bedding.
 2. A continuous and uniform bedding shall be provided in the trench for the pipe and to a sufficient height above the pipe to adequately support and protect the pipe. Stones found in the trench shall be removed for a depth of at least six inches below the bottom of the pipe.
 3. See Pavement Replacement Detail for backfill specifications in local and main TOWN ROADS.

W-1 WATER MAIN BEDDING DETAIL
NOT TO SCALE

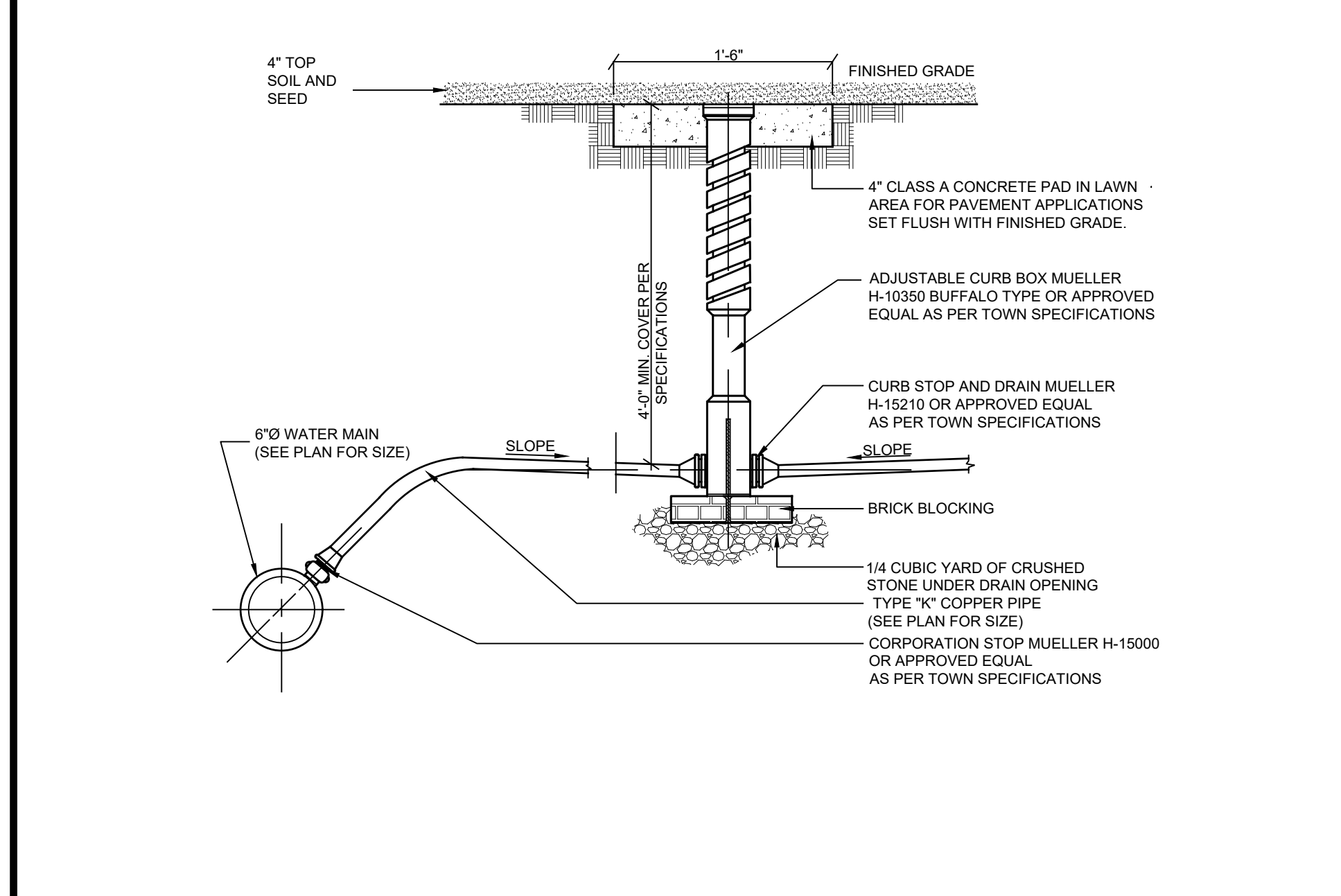


NOTES:
 1. WHERE THE SANITARY SEWER MAIN CROSSES THE WATER MAIN AN 18" MINIMUM VERTICAL SEPARATION SHALL BE MAINTAINED. THE DISTANCE SHALL BE MEASURED EDGE TO EDGE.
 2. WHERE THE SANITARY SEWER MAIN RUNS PARALLEL TO AN EXISTING OR PROPOSED WATER MAIN A 10' MINIMUM HORIZONTAL SEPARATION SHALL BE MAINTAINED. THE DISTANCE SHALL BE MEASURED EDGE TO EDGE.
 3. ANY DEVIATION FROM THE REQUIRED MINIMUM SEPARATIONS SHALL BE SUBJECT TO A REVIEW AND APPROVAL BY THE WESTCHESTER COUNTY DEPARTMENT OF HEALTH PRIOR TO CONSTRUCTION.

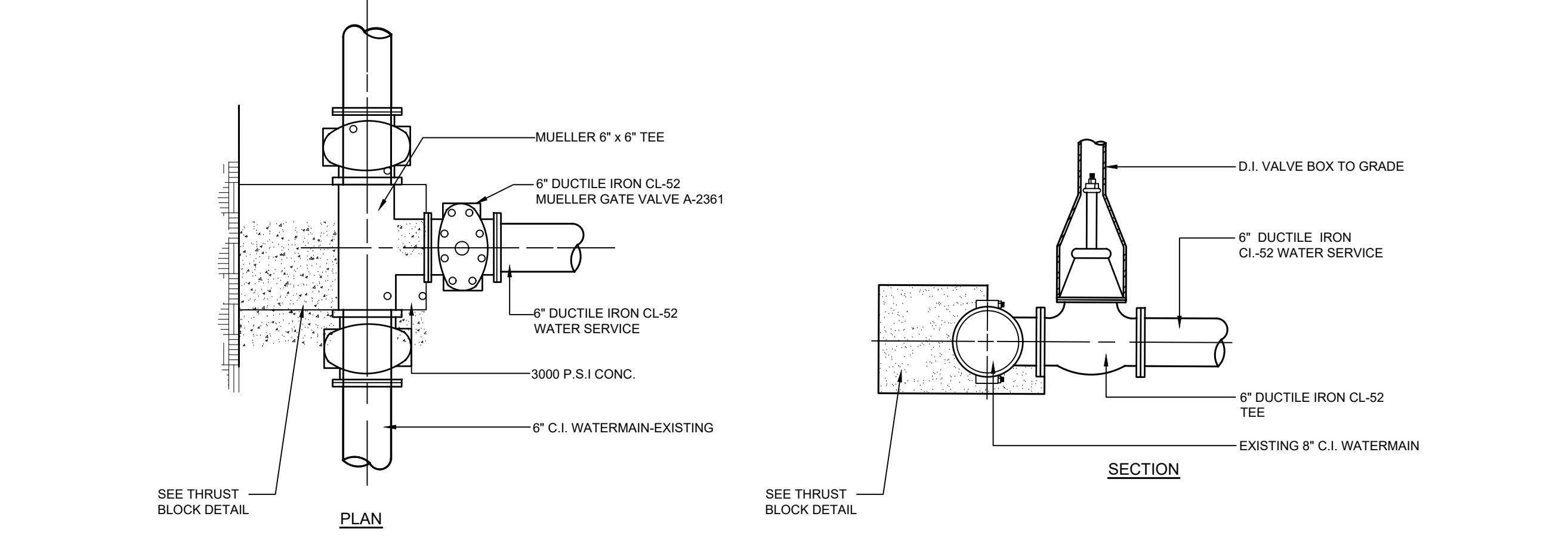
W-4 SEPARATION OF WATER MAINS, SANITARY SEWERS OR STORM SEWERS
NOT TO SCALE



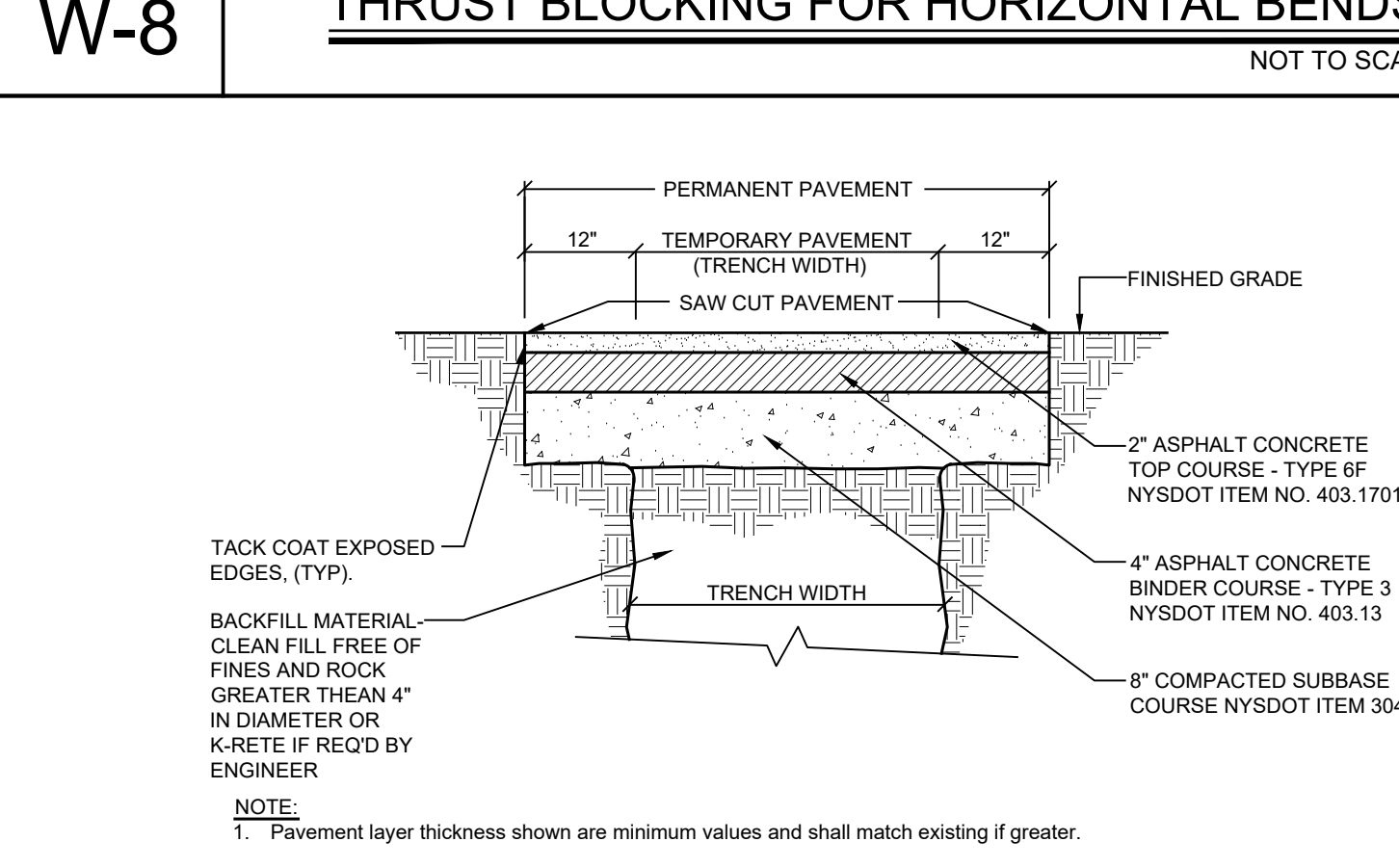
W-8 THRUST BLOCKING FOR HORIZONTAL BENDS
NOT TO SCALE



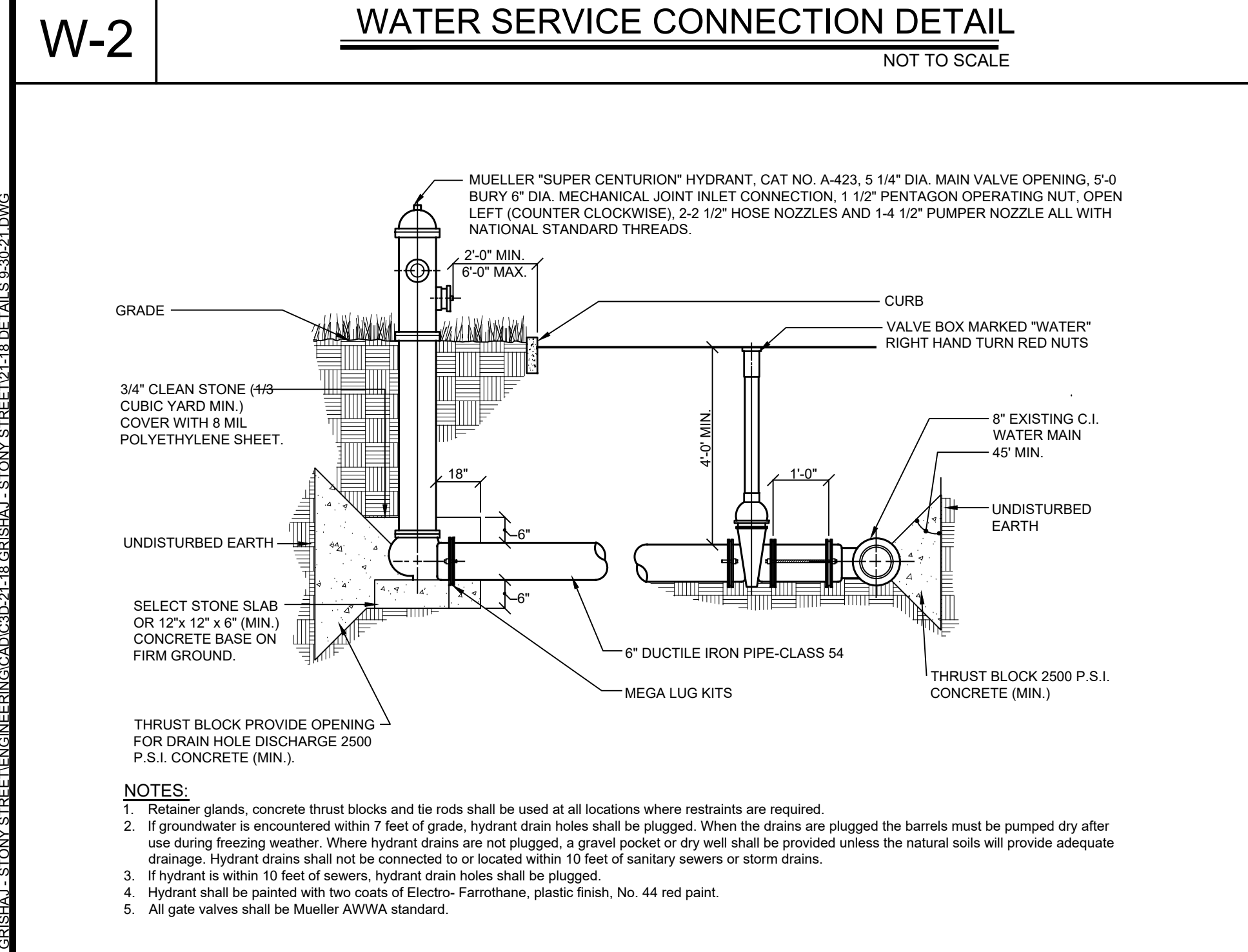
W-2 WATER SERVICE CONNECTION DETAIL
NOT TO SCALE



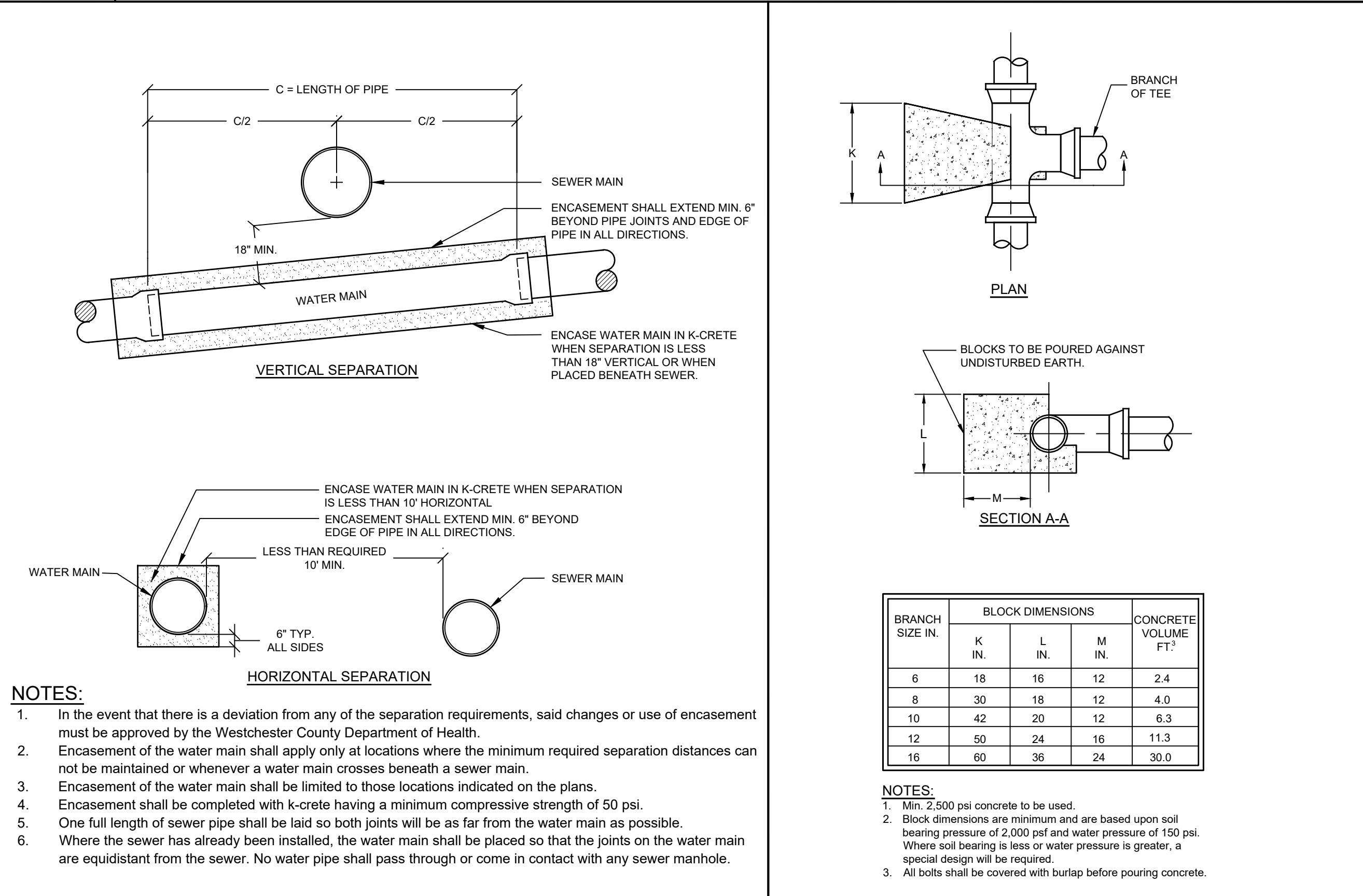
W-5 TEE AND GATE VALVE CONNECTION DETAIL
NOT TO SCALE



R-5 PAVEMENT REPLACEMENT DETAIL
NOT TO SCALE



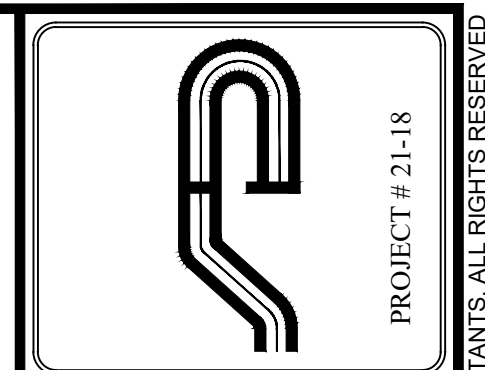
W-3 FIRE HYDRANT DETAIL
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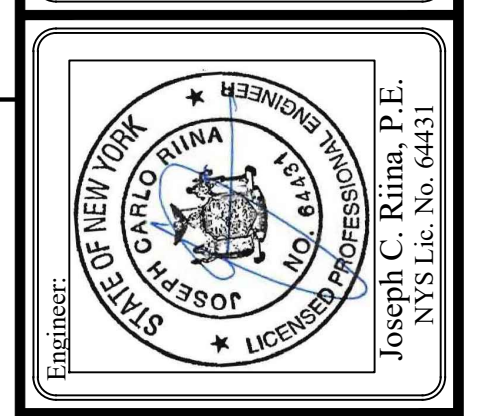
W-6 WATER MAIN ENCASEMENT DETAIL
NOT TO SCALE



W-7 THRUST BLOCKING FOR TEES
NOT TO SCALE



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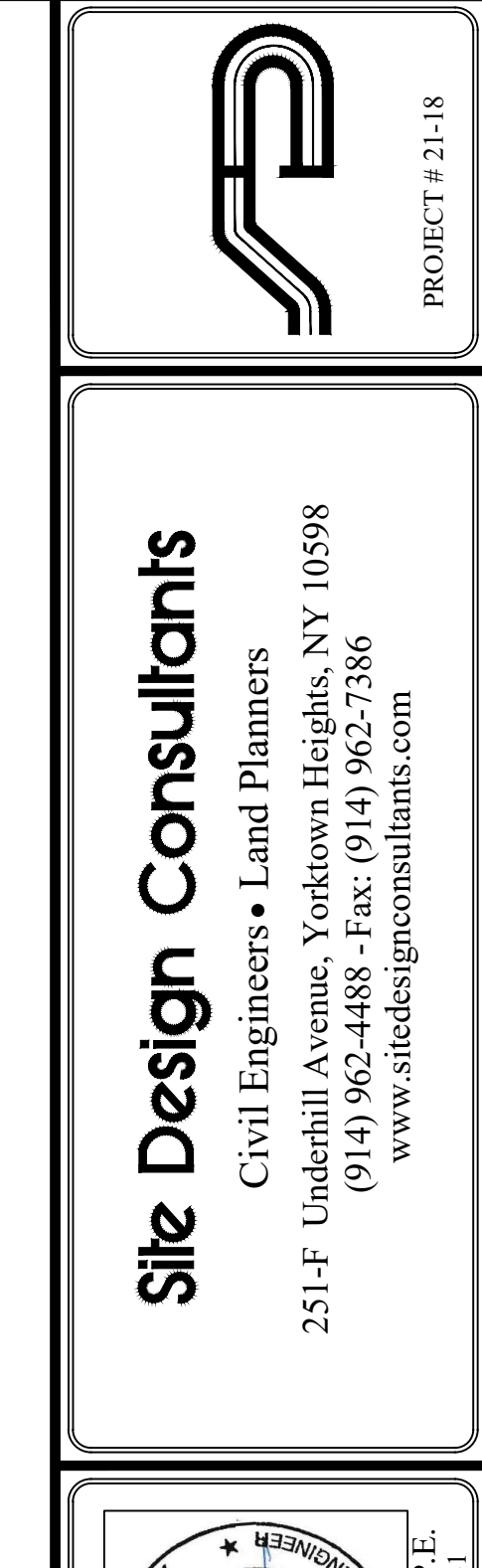
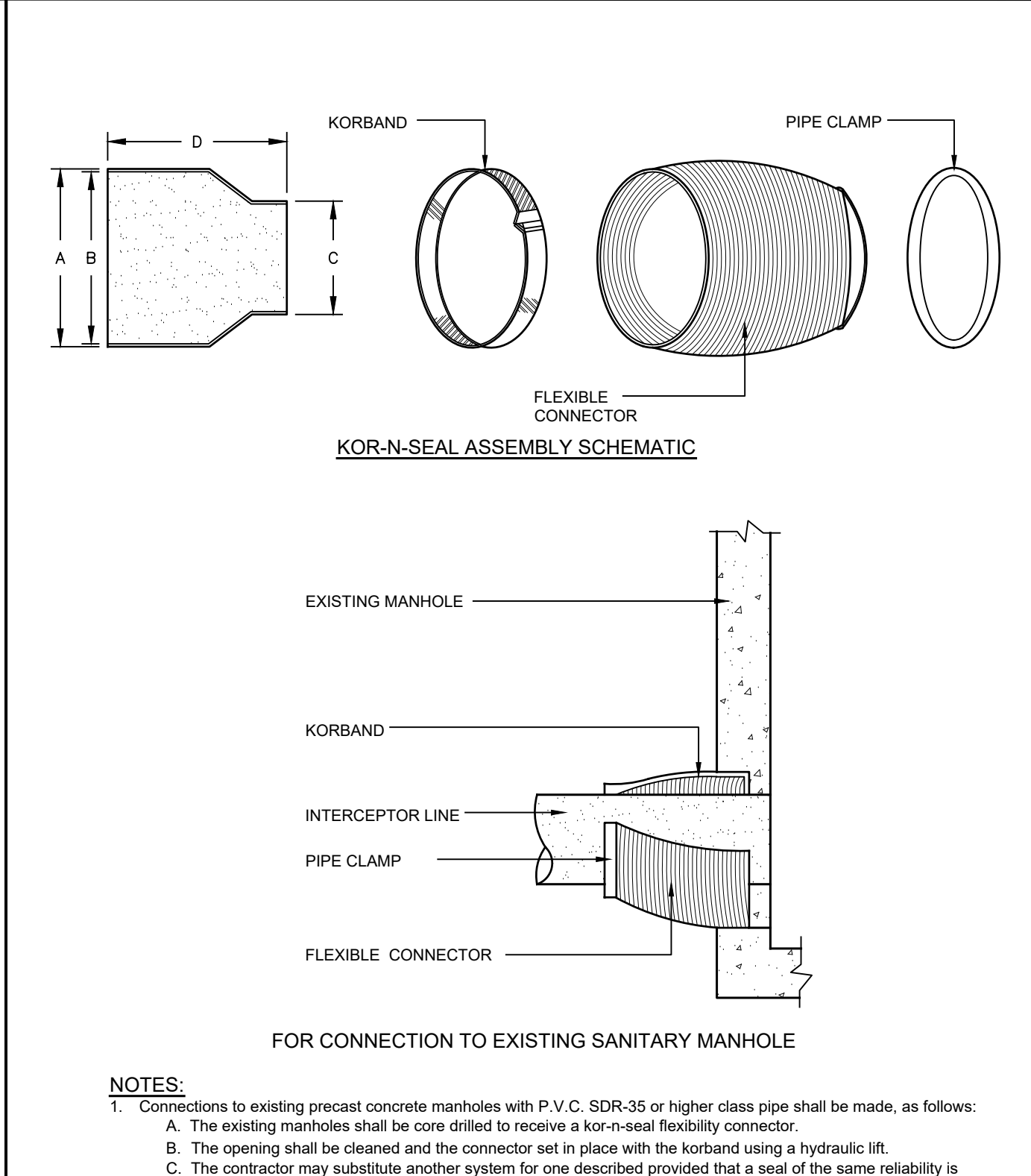
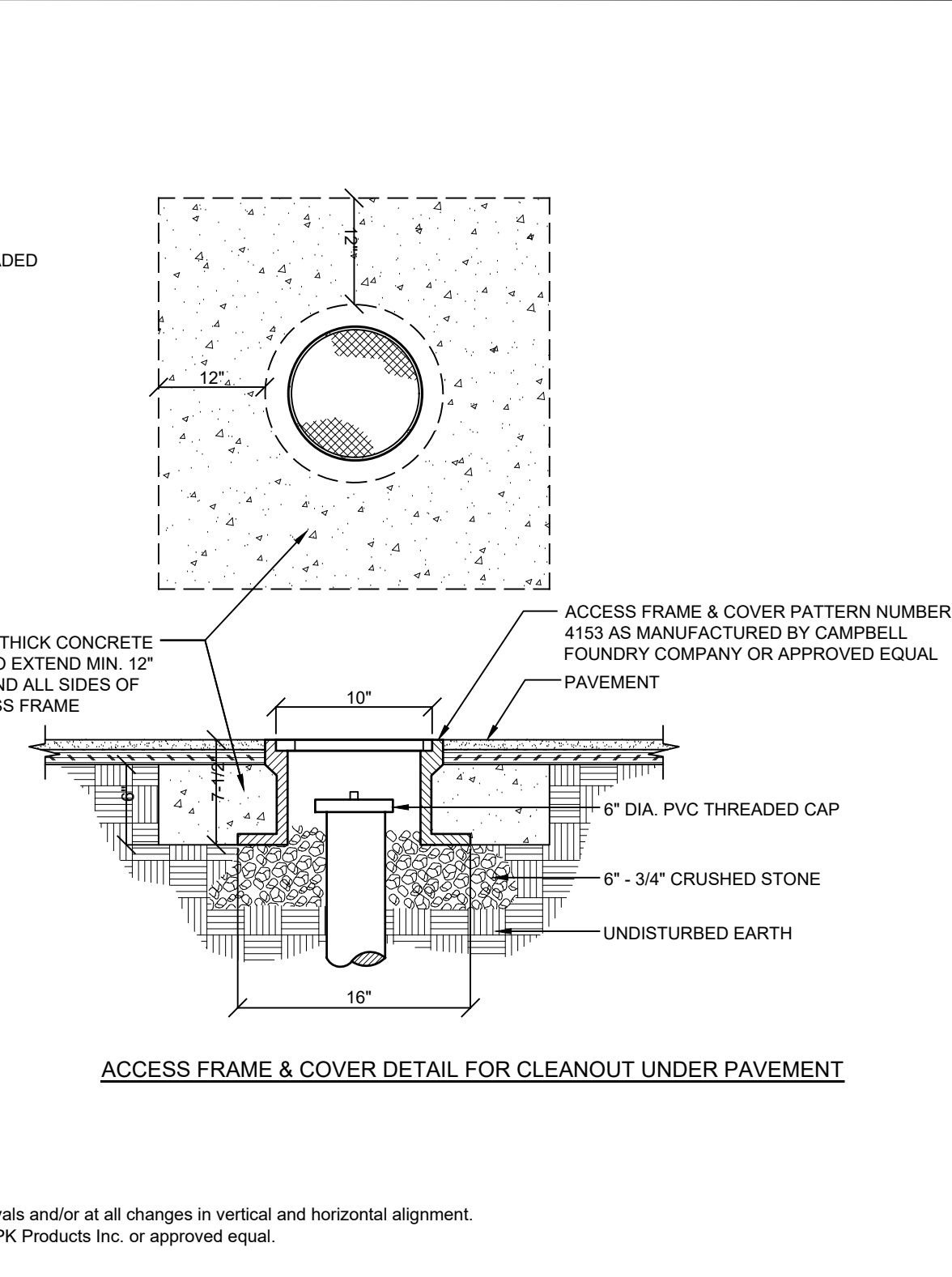
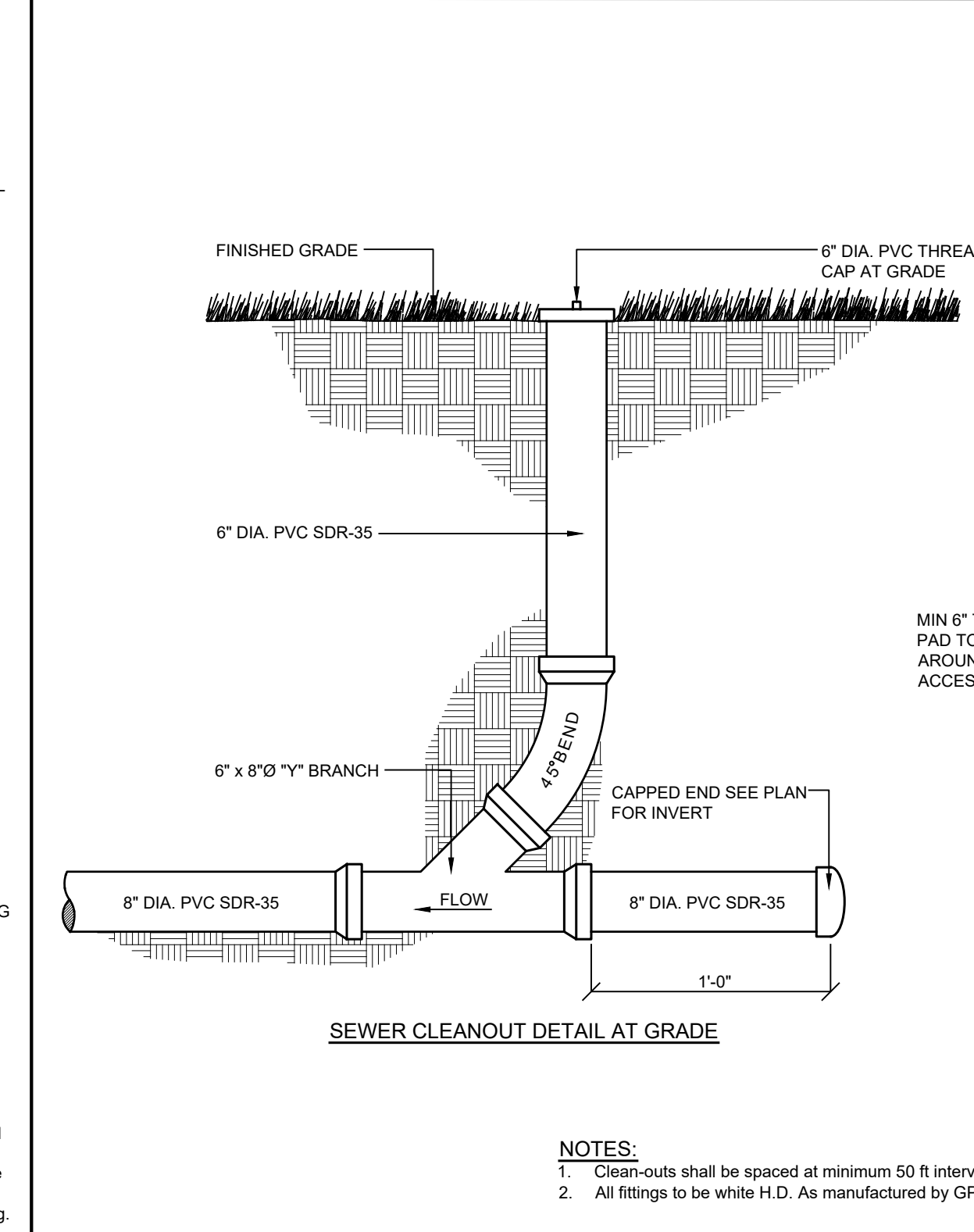
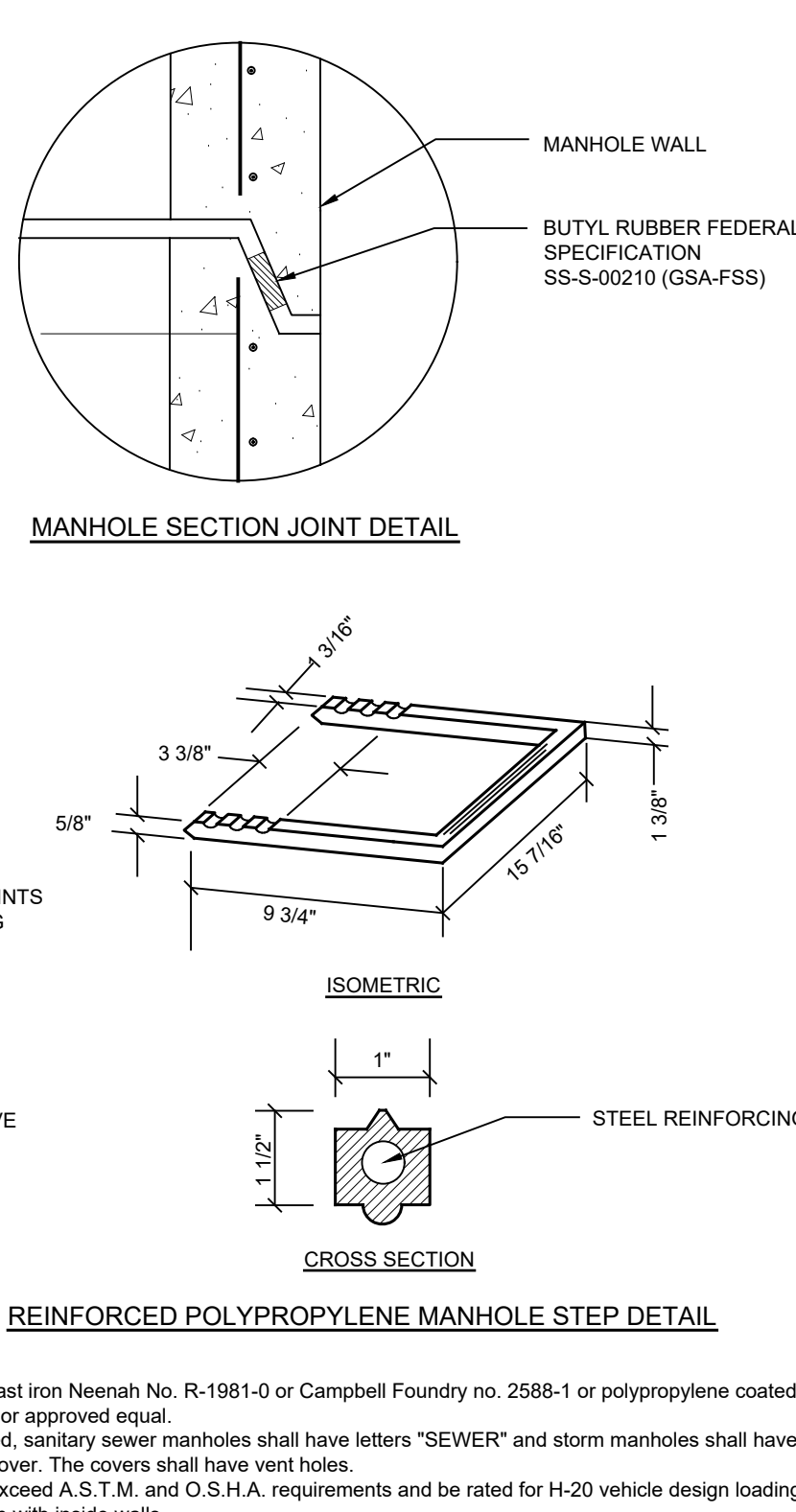
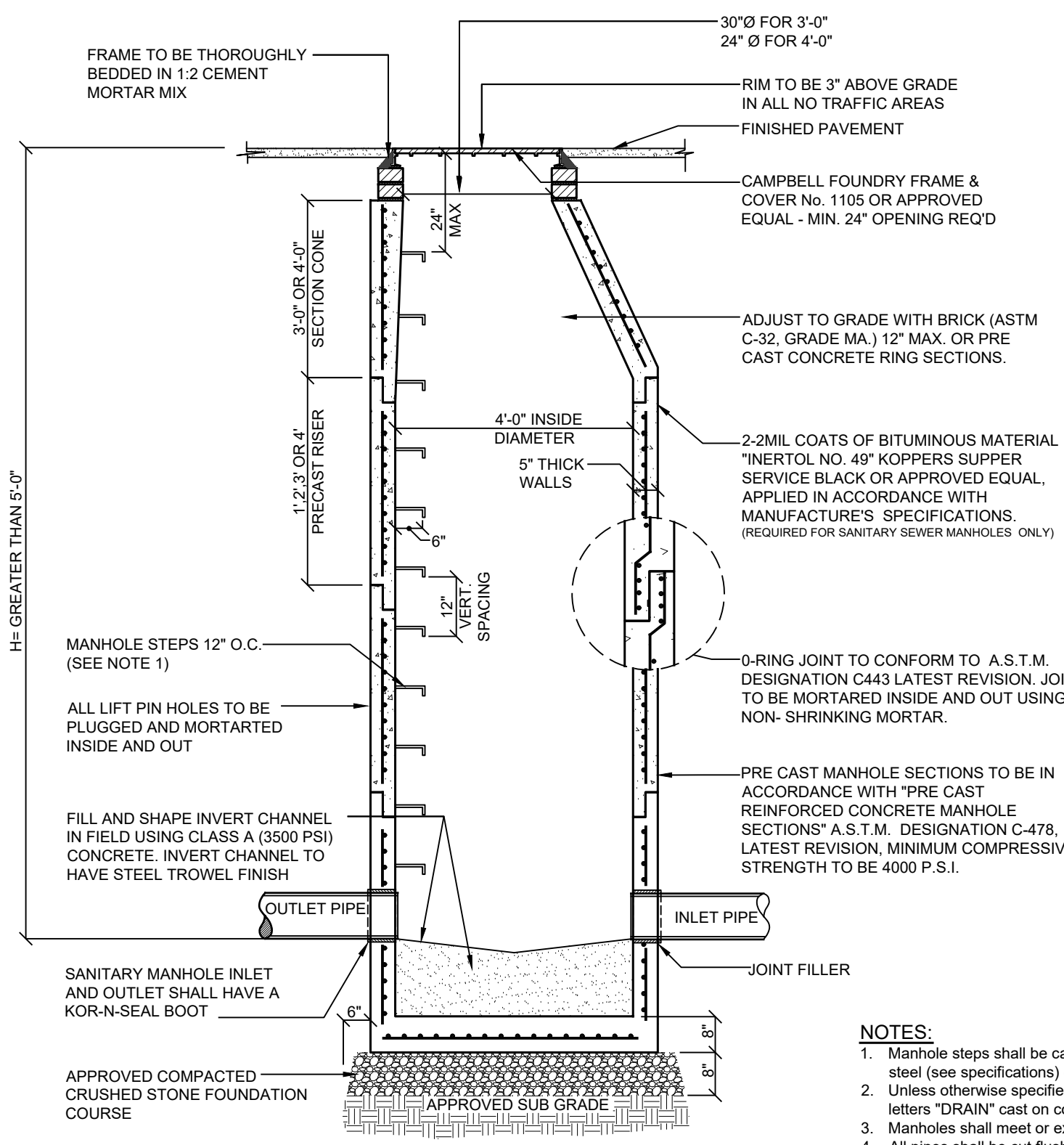
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SCALE: NTS
 DRAWN BY: TK
 DATE: 5/7/21

WATERMAIN DETAILS

SITE PLAN PREPARED FOR
NIKOLLA GRISHAJ
 3319 STONY STREET
 Town of Yorktown Westchester County, New York

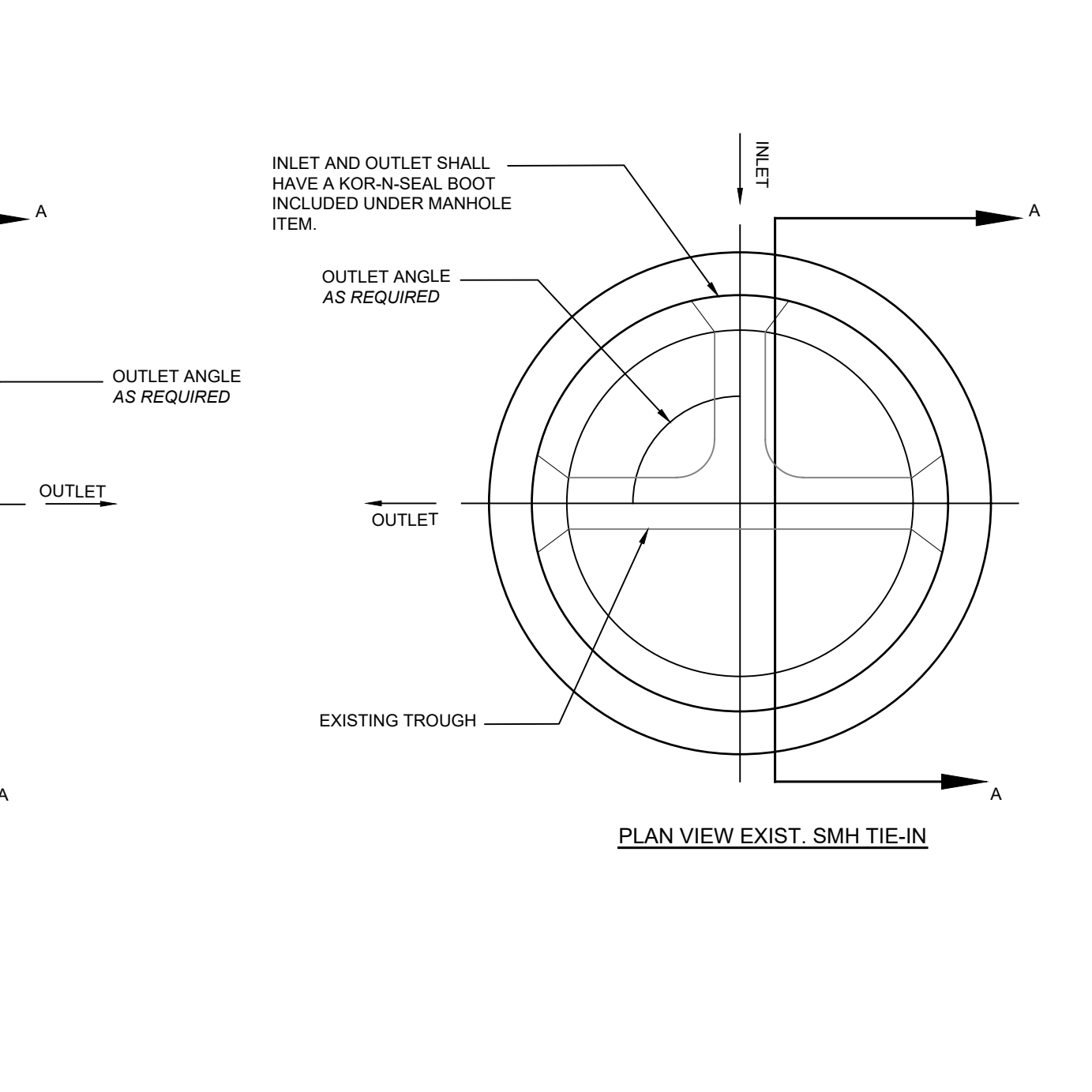
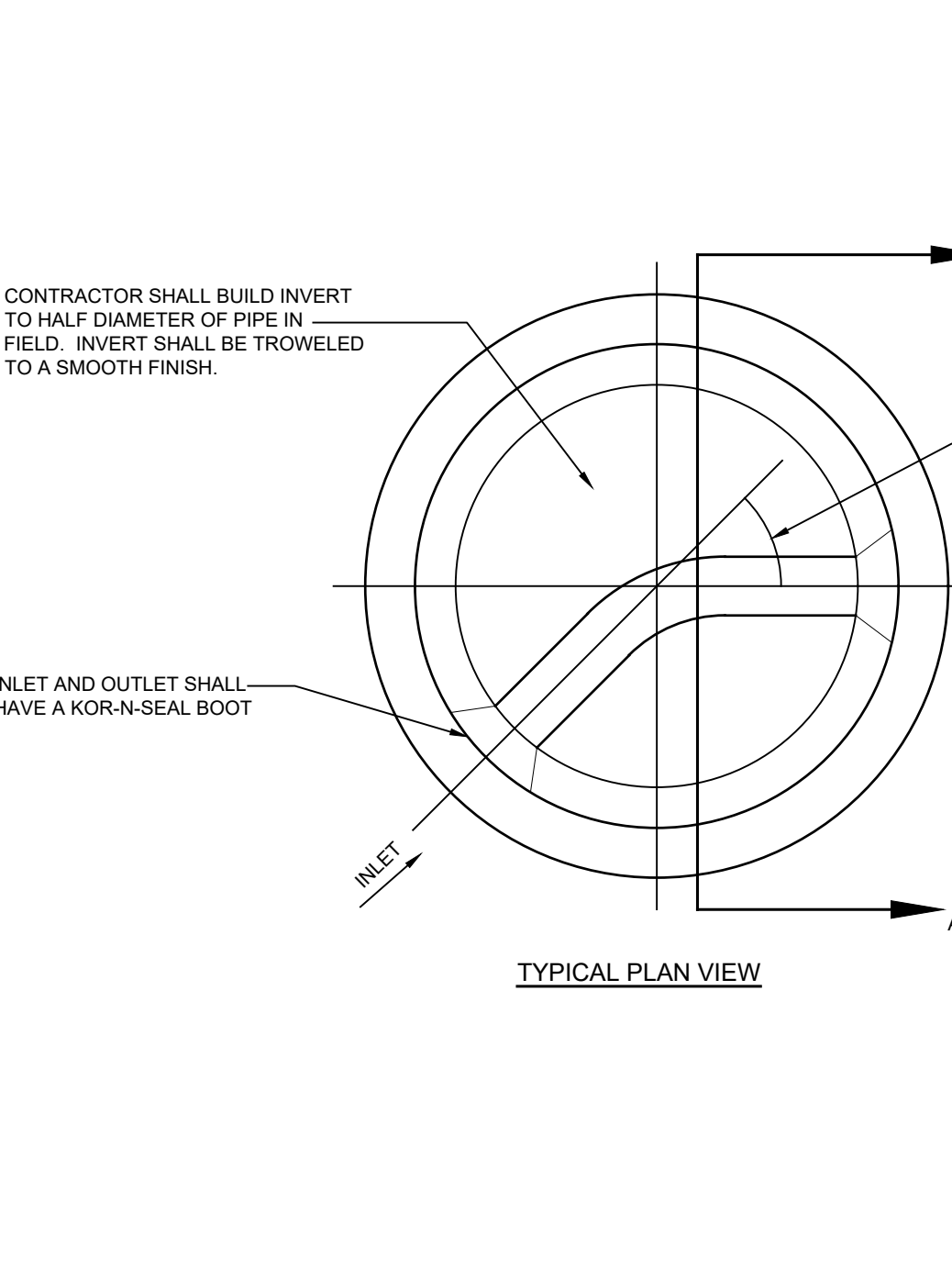
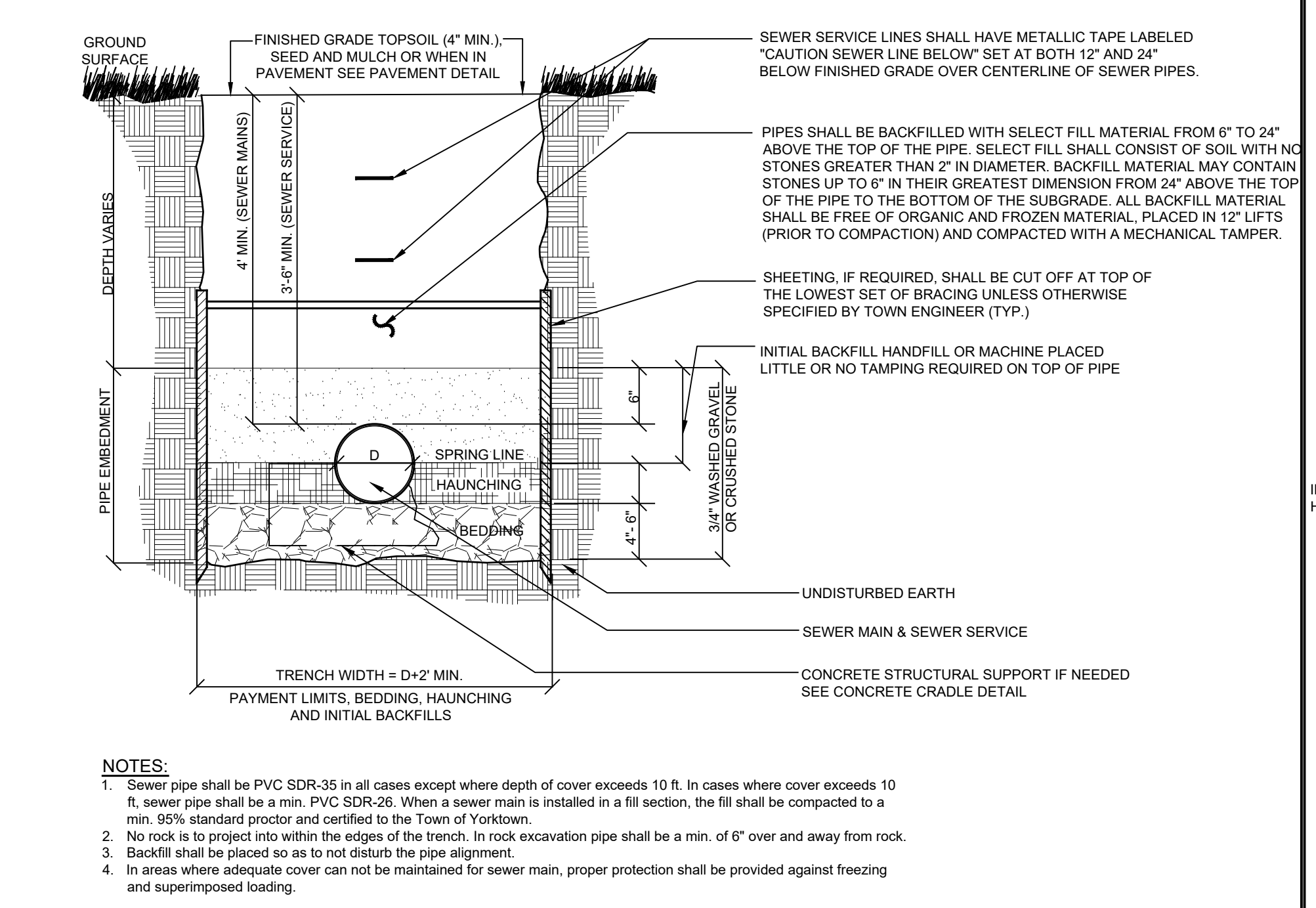
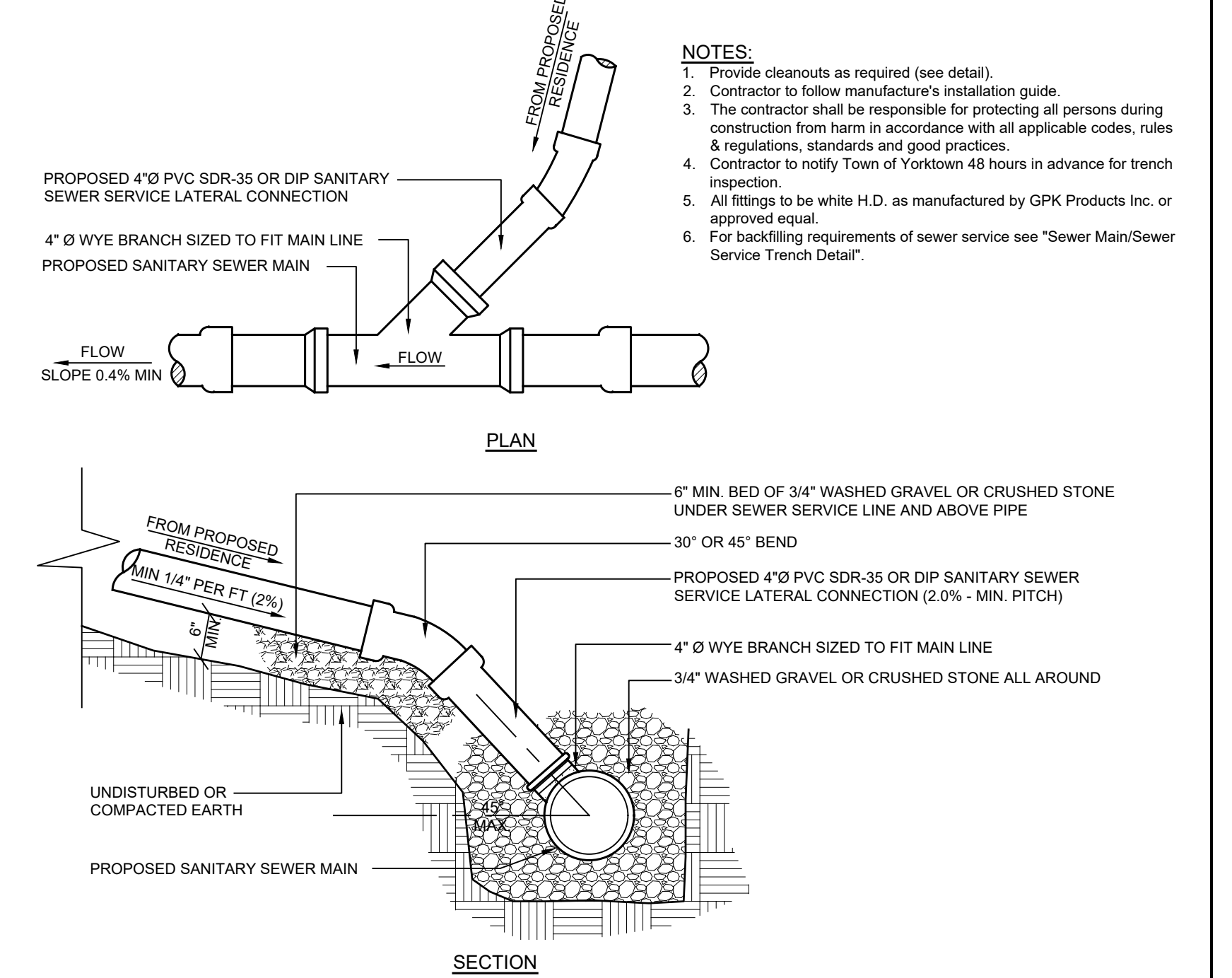
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S-1 PRECAST CONCRETE SEWER MANHOLE DETAIL
NOT TO SCALE

S-2 GRAVITY SEWER LATERAL CLEAN-OUT DETAIL
NOT TO SCALE

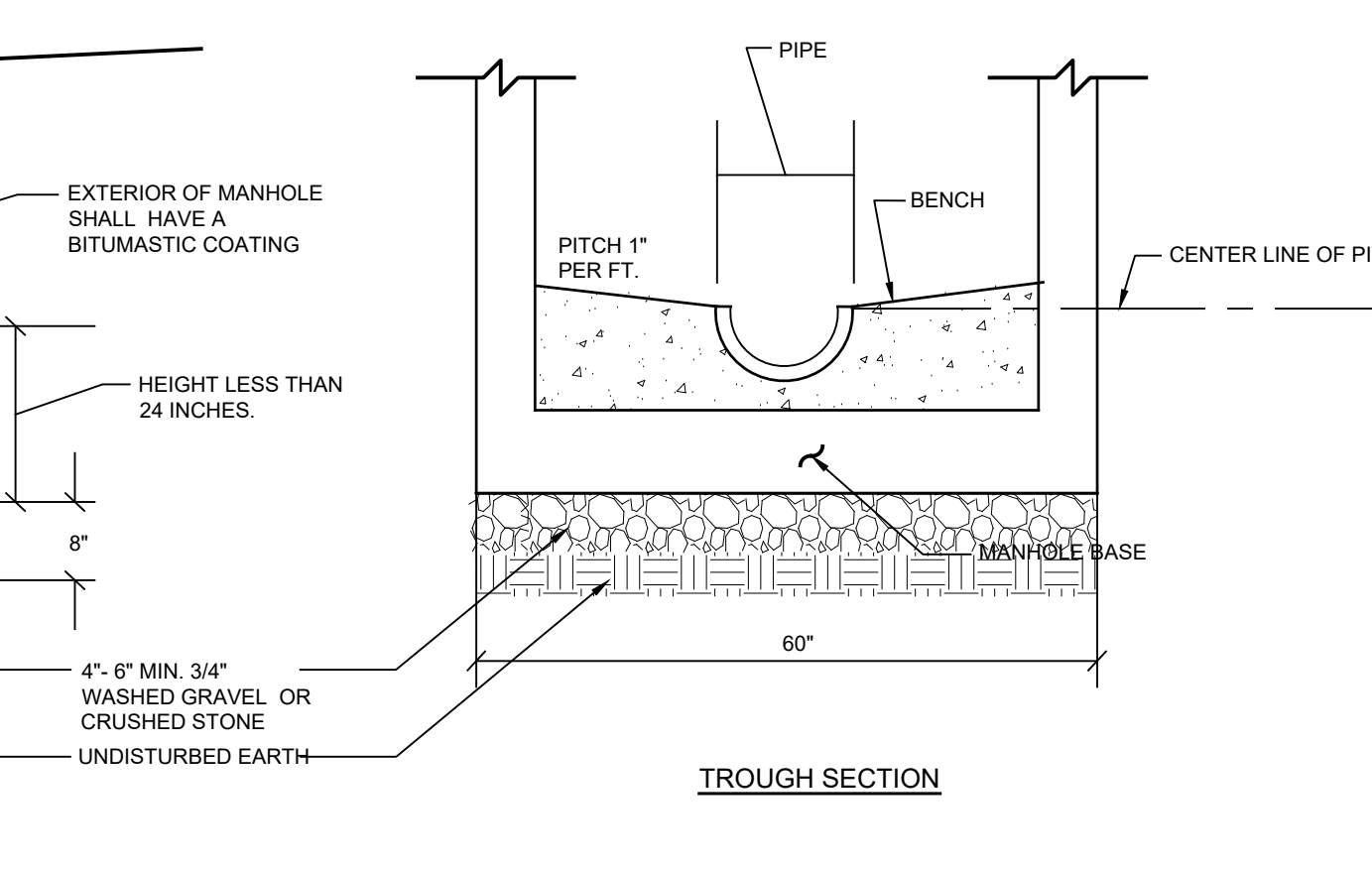
S-6 EXISTING SANITARY FLEXIBLE CONNECTION
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S-3 SEWER CONNECTION TO PROPOSED MAIN-LINE DETAIL
NOT TO SCALE

S-4 SEWER MAIN / SEWER SERVICE TRENCH DETAIL
NOT TO SCALE

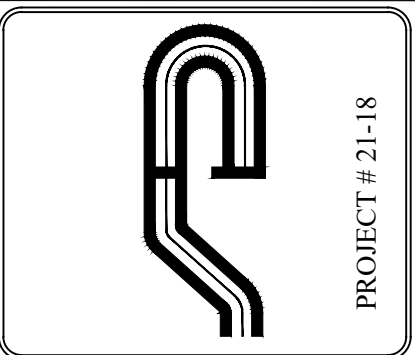
S-5 TYPICAL DETAIL OF TIE-IN TO EXISTING SEWER MANHOLE
NOT TO SCALE



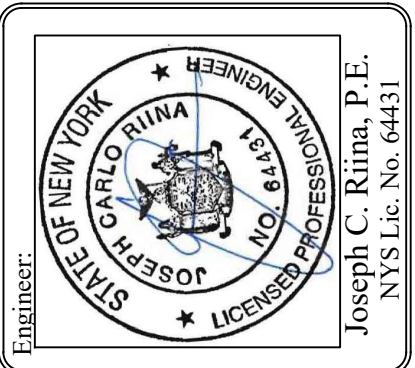
S-3 SEWER CONNECTION TO PROPOSED MAIN-LINE DETAIL
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S-4 SEWER MAIN / SEWER SERVICE TRENCH DETAIL
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SEWER DETAILS

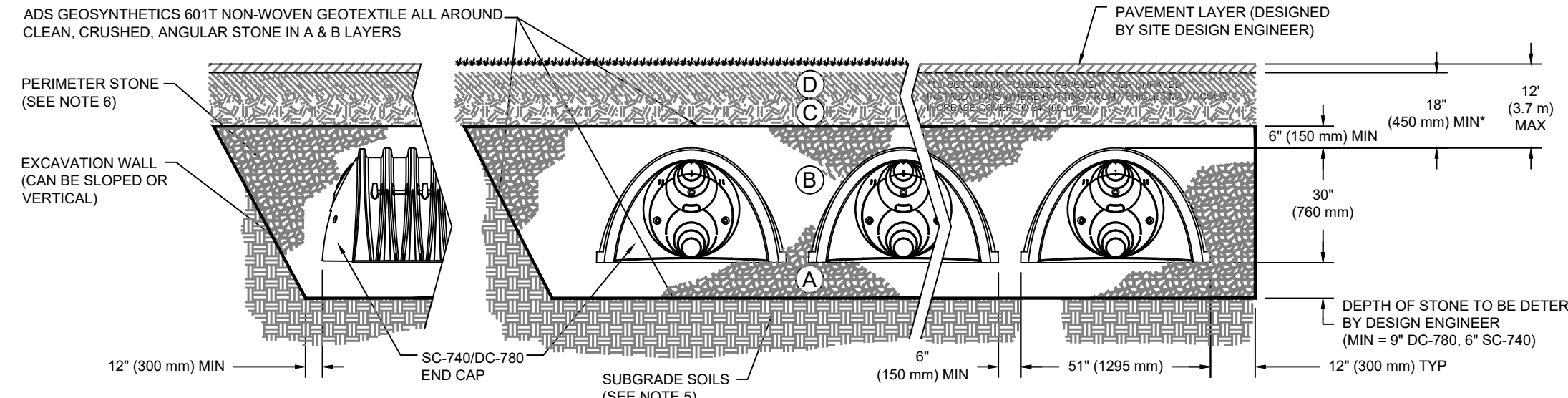
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ACCEPTABLE FILL MATERIALS: STORMTECH DC-780 CHAMBER SYSTEMS

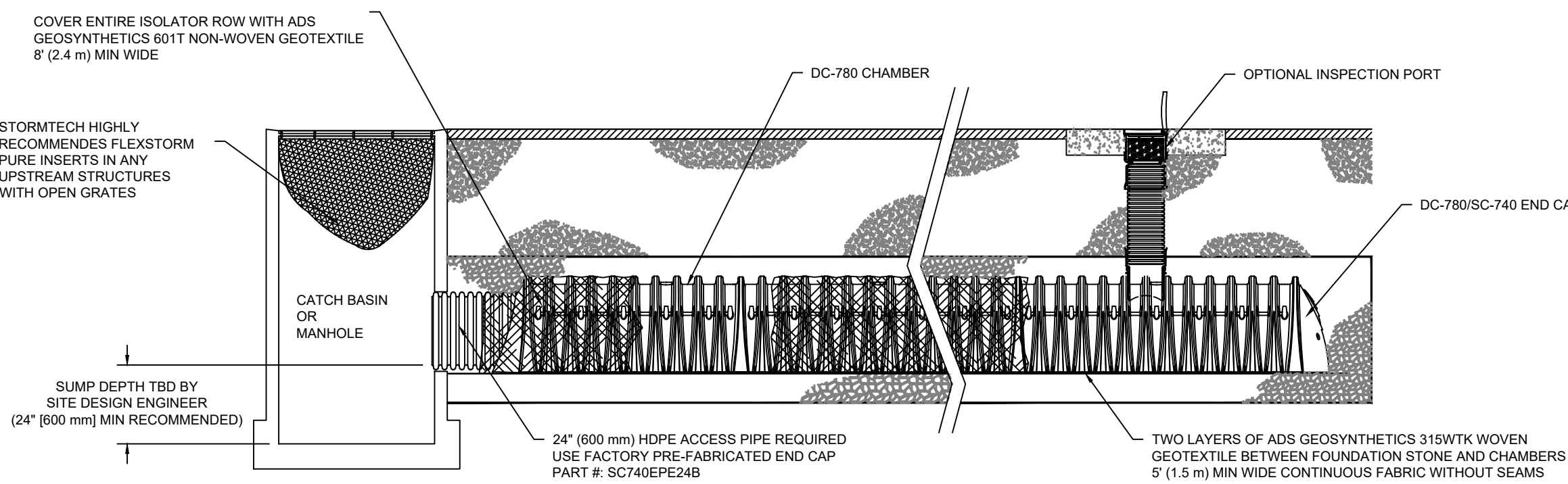
MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE (8" LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	AASHTO M145 ¹ A-1, A-2-4, A-3 OR AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE (A LAYER) TO THE 'C' LAYER ABOVE.	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ¹

PLEASE NOTE:
 1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE"
 2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (230 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
 3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.



NOTES:
 1. DC-780 CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS"¹.
 2. DC-780 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2797 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS"¹.
 3. "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.¹
 4. THE "SITE DESIGN ENGINEER" REFERS TO THE ENGINEER RESPONSIBLE FOR THE DESIGN AND LAYOUT OF THE STORMTECH CHAMBERS FOR THIS PROJECT.¹
 5. THE "SITE DESIGN ENGINEER" IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.¹
 6. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
 7. ONCE LAYER 'C' IS PLACED, ANY SOIL MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.

SW-1 STORMTECH SC-740/DC-780 CROSS SECTION DETAIL
NOT TO SCALE



DC-780 ISOLATOR ROW DETAIL
NTS

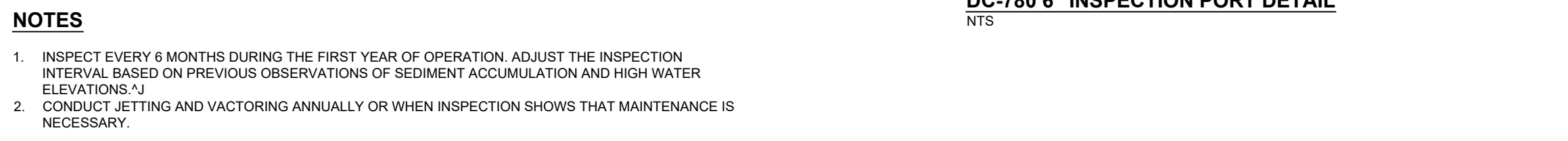
INSPECTION & MAINTENANCE

STEP 1) INSPECT ISOLATOR ROW FOR SEDIMENT
 A. INSPECTION PORTS (IF PRESENT)
 A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
 A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
 A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
 A.4. LOWER A CAMERA INTO ISOLATOR ROW FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
 A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
 B. ALL ISOLATOR ROWS
 B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW
 B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW THROUGH OUTLET PIPE(S) MIRRORS OR POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY(S) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
 B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

STEP 2) CLEAN OUT ISOLATOR ROW USING THE JETVAC PROCESS
 A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED
 B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
 C. VACUUM STRUCTURE SUMP AS REQUIRED

STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

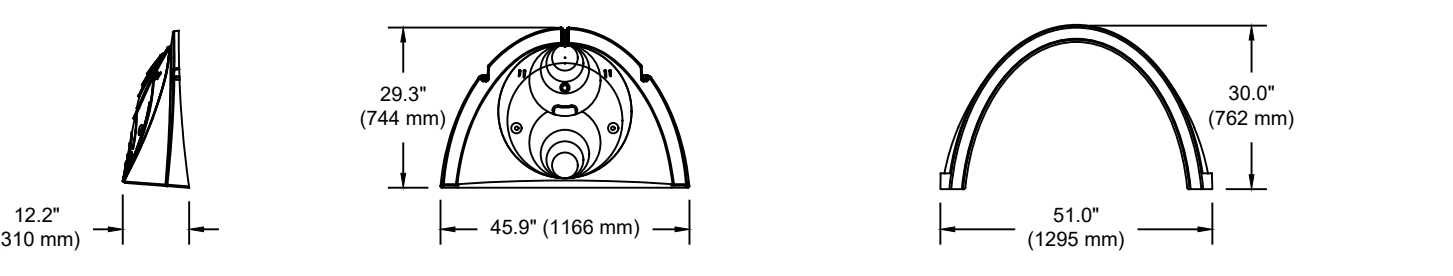
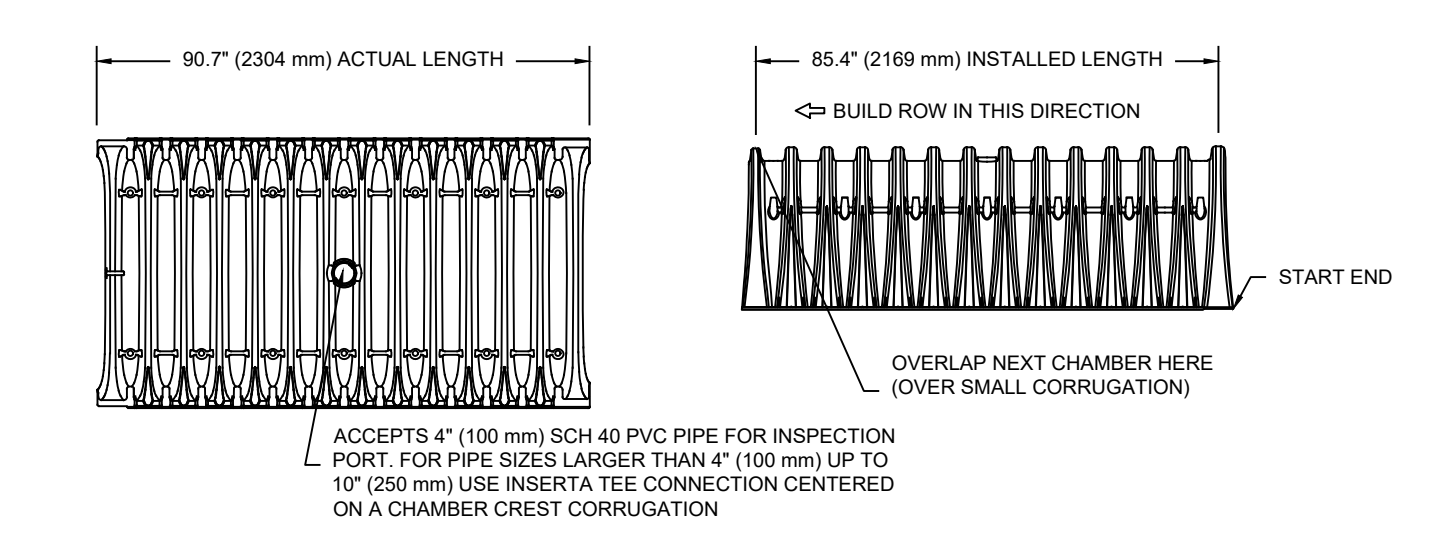
STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.



DC-780 6" INSPECTION PORT DETAIL
NTS

SW-2 STORMTECH SC-740/DC-780 ISOLATOR ROW DETAIL
NOT TO SCALE

DC-780 TECHNICAL SPECIFICATION
NTS



NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	(1295 mm X 762 mm X 2169 mm)
CHAMBER STORAGE	45.2 CUBIC FEET (1.30 m ³)
MINIMUM INSTALLED STORAGE ¹	72.4 CUBIC FEET (2.05 m ³)
WEIGHT	75.0 lbs. (33.8 kg)

¹ASSUMES 6" (152 mm) STONE ABOVE, 9" (229 mm) BELOW, AND 6" (152 mm) BETWEEN CHAMBERS

STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
 STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"

PART #	STUB	A	B	C
SC740EPE06T / SC740EPE06TPC	6" (150 mm)	10.9" (277 mm)	18.5" (470 mm)	0.5" (13 mm)
SC740EPE08T / SC740EPE08TPC	8" (200 mm)	12.2" (310 mm)	16.5" (419 mm)	0.6" (15 mm)
SC740EPE10T / SC740EPE10TPC	10" (250 mm)	13.4" (340 mm)	14.5" (368 mm)	0.7" (18 mm)
SC740EPE12T / SC740EPE12TPC	12" (300 mm)	14.7" (373 mm)	12.5" (318 mm)	0.8" (20 mm)
SC740EPE14T / SC740EPE14TPC	14" (350 mm)	16.0" (406 mm)	10.5" (267 mm)	0.9" (23 mm)
SC740EPE16T / SC740EPE16TPC	16" (400 mm)	17.3" (439 mm)	8.5" (216 mm)	1.0" (25 mm)
SC740EPE18T / SC740EPE18TPC	18" (450 mm)	19.7" (500 mm)	5.0" (127 mm)	1.1" (28 mm)
SC740EPE20T / SC740EPE20TPC	20" (500 mm)	21.0" (533 mm)	3.0" (76 mm)	1.2" (30 mm)
SC740EPE22T / SC740EPE22TPC	22" (550 mm)	22.3" (567 mm)	1.0" (25 mm)	1.3" (33 mm)
SC740EPE24T / SC740EPE24TPC	24" (600 mm)	23.6" (600 mm)	0.0" (0 mm)	1.4" (35 mm)

ALL STUBS, EXCEPT FOR THE SC740EPE24B ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.
¹ FOR THE SC740EPE24B THE 24" (600 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 1.75" (44 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.
 NOTE: ALL DIMENSIONS ARE NOMINAL

SW-3 STORMTECH SC-740/DC-780 CHAMBER DETAIL
NOT TO SCALE

STORMTECH CHAMBER SPECIFICATIONS

- CHAMBERS SHALL BE STORMTECH DC-780 OR APPROVED EQUAL.¹
- CHAMBERS SHALL BE MADE FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.¹
- CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORT PANELS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
- THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LIVED BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR:
 - LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- CHAMBERS SHALL BE DESIGNED AND ALLOWABLE LOADS DETERMINED IN ACCORDANCE WITH ASTM F2797, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. THE CHAMBER MANUFACTURER SHALL SUBMIT THE FOLLOWING UPON REQUEST TO THE SITE DESIGN ENGINEER FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE:
 - A STRUCTURAL EVALUATION SEALED BY A REGISTERED PROFESSIONAL ENGINEER THAT DEMONSTRATES THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.66 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD. THE MINIMUM REQUIRED BY ASTM F2797 AND BY AASHTO FOR THERMOPLASTIC PIPE.¹
 - A STRUCTURAL EVALUATION SEALED BY A REGISTERED PROFESSIONAL ENGINEER THAT DEMONSTRATES THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET. THE 50 YEAR CREEP MODULUS DATA SPECIFIED IN ASTM F2418 OR ASTM F2922 MUST BE USED AS PART OF THE AASHTO STRUCTURAL EVALUATION TO VERIFY LONG-TERM PERFORMANCE.¹
 - STRUCTURAL CROSS SECTION DETAIL ON WHICH THE STRUCTURAL EVALUATION IS BASED.¹
- CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE DC-780 CHAMBER SYSTEM

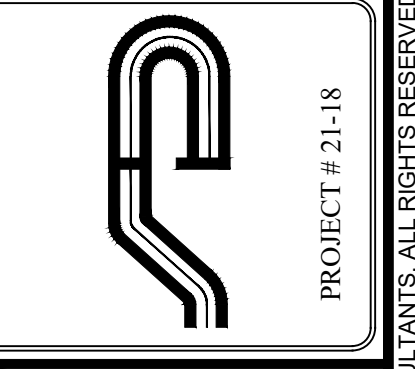
- STORMTECH DC-780 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.¹
- STORMTECH DC-780 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".¹
- CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS.¹ STORMTECH RECOMMENDS 3 BACKFILL METHODS:
 - STONESHOOTER LOCATED OFF THE CHAMBER BED.
 - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
 - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
- THE FOUNDATION STONE SHALL BE LEVELLED AND COMPACTED PRIOR TO PLACING CHAMBERS.¹
- JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.¹
- MAINTAIN MINIMUM - 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.¹
- EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE 3/4-2" (20-50 mm).¹
- THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.¹
- ADS RECOMMENDS THE USE OF FLEXSTORM CATCH IT[®] INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT¹

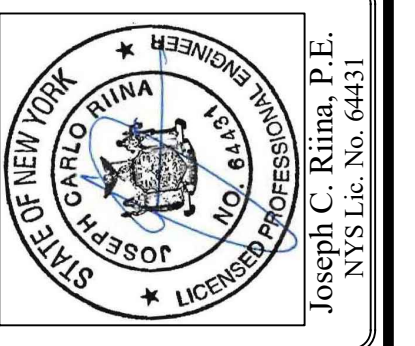
- STORMTECH DC-780 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".¹
- THE USE OF CONSTRUCTION EQUIPMENT OVER DC-780 CHAMBERS IS LIMITED:
 - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
 - NO RUBBER Tired LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
 - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".¹
- FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

CONTACT STORMTECH AT 1-888-892-2694 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.



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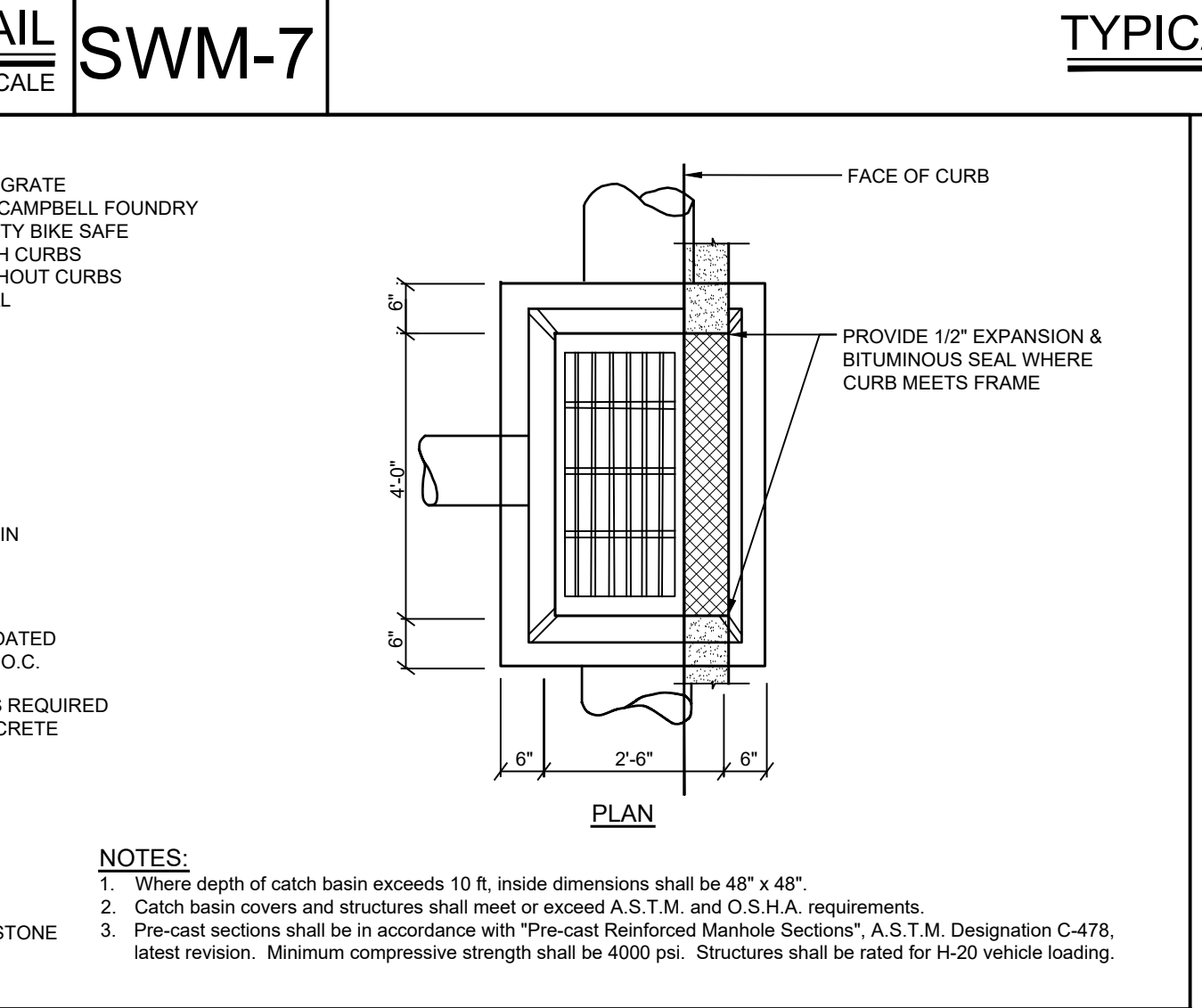
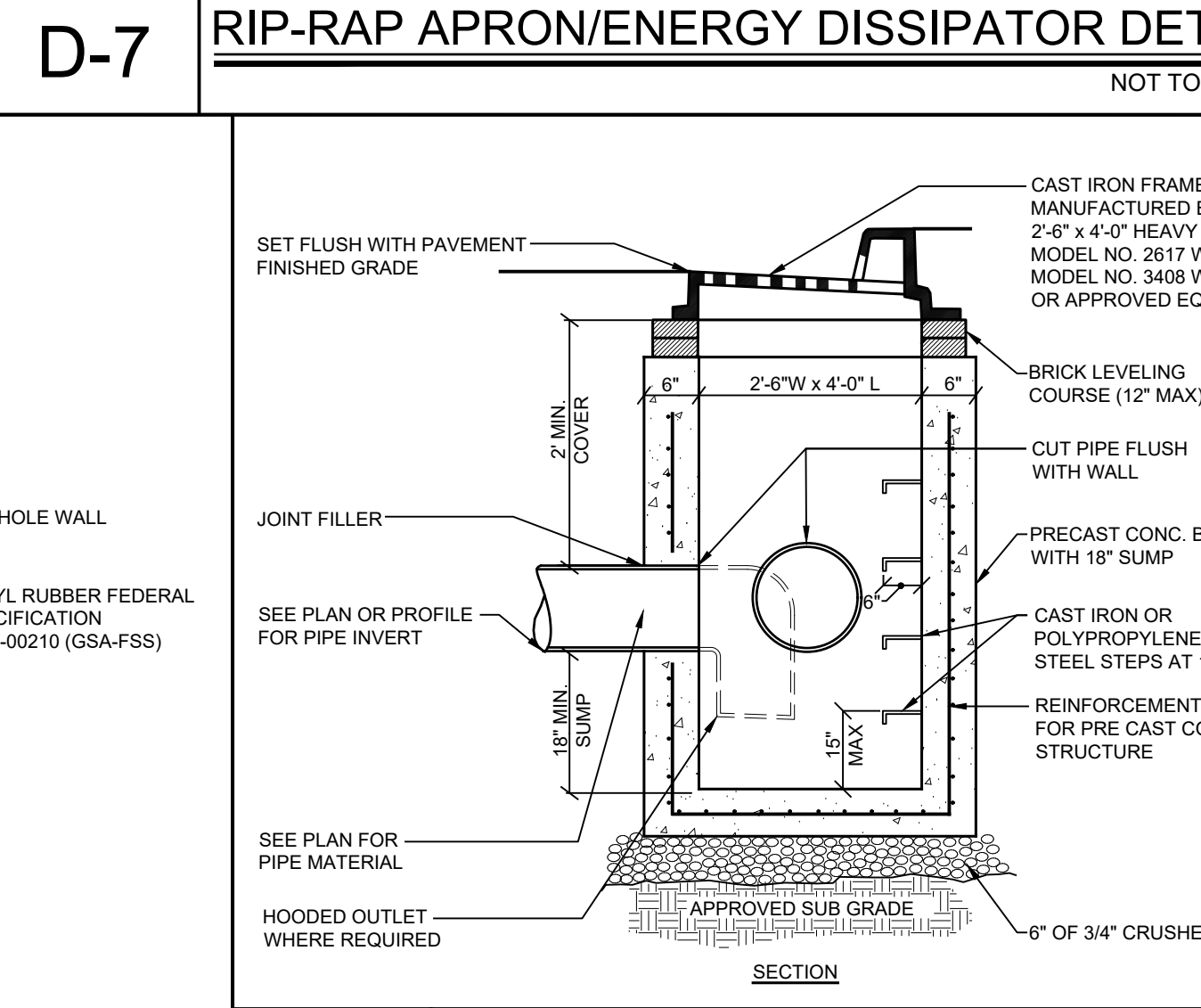
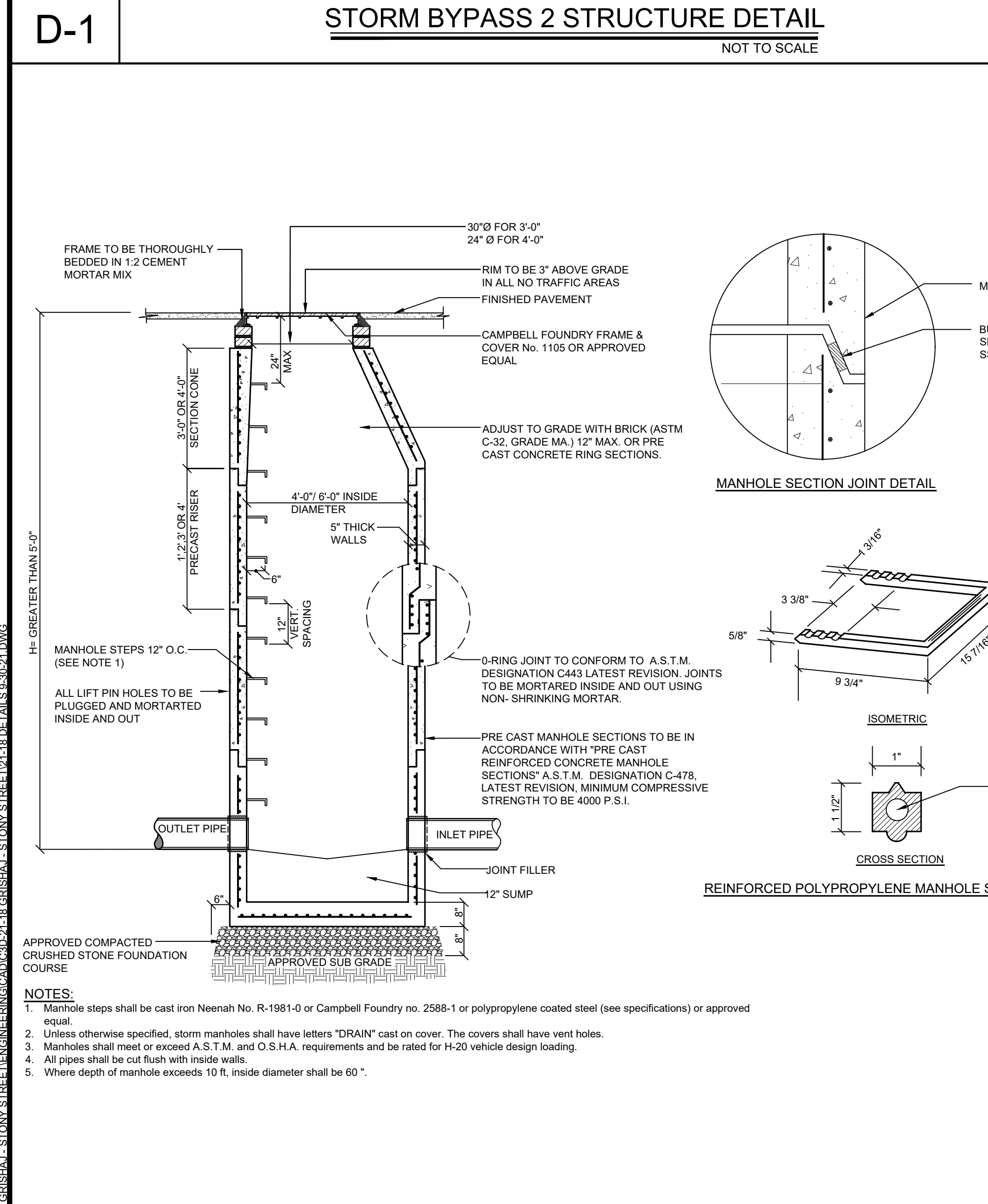
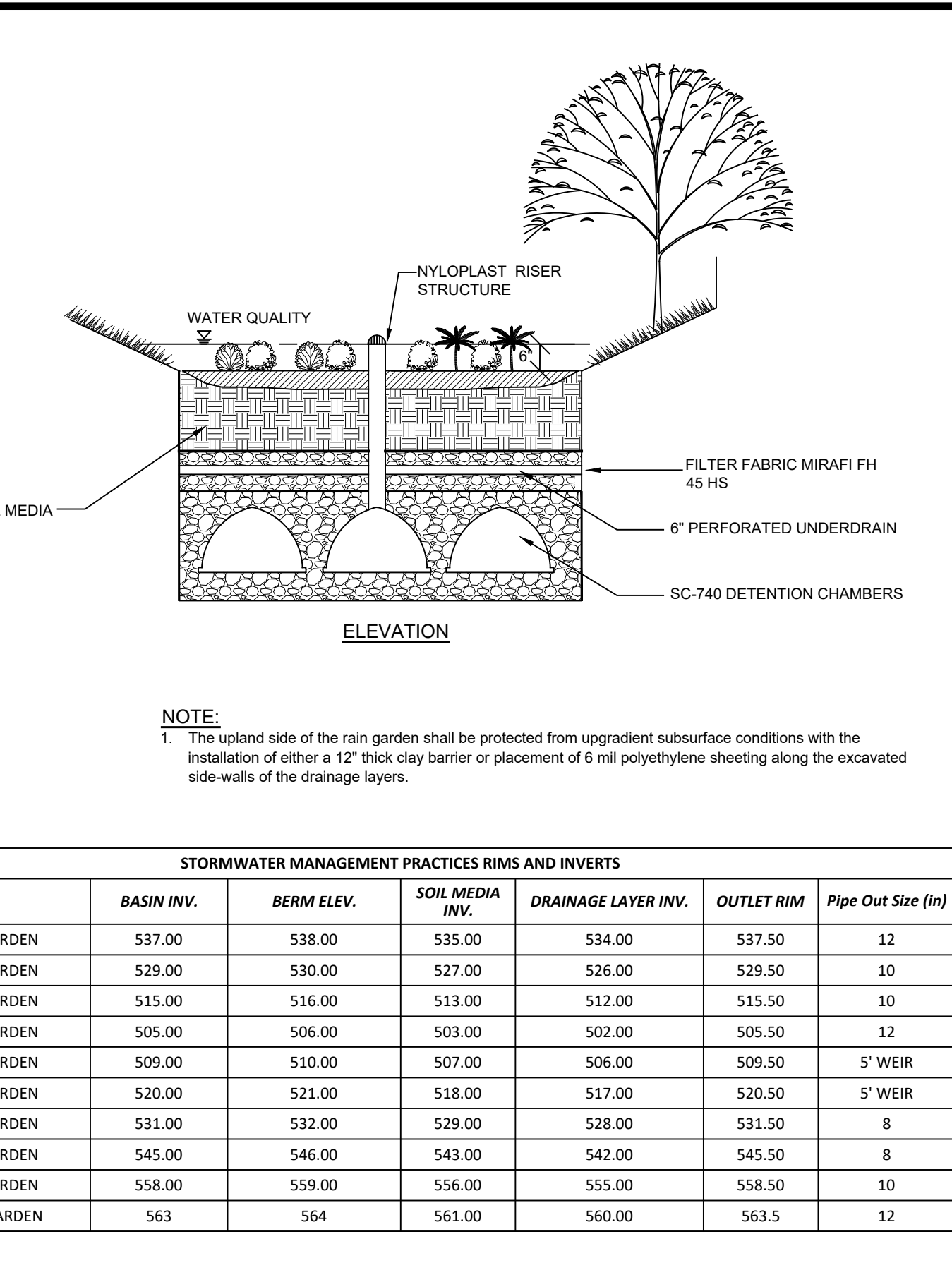
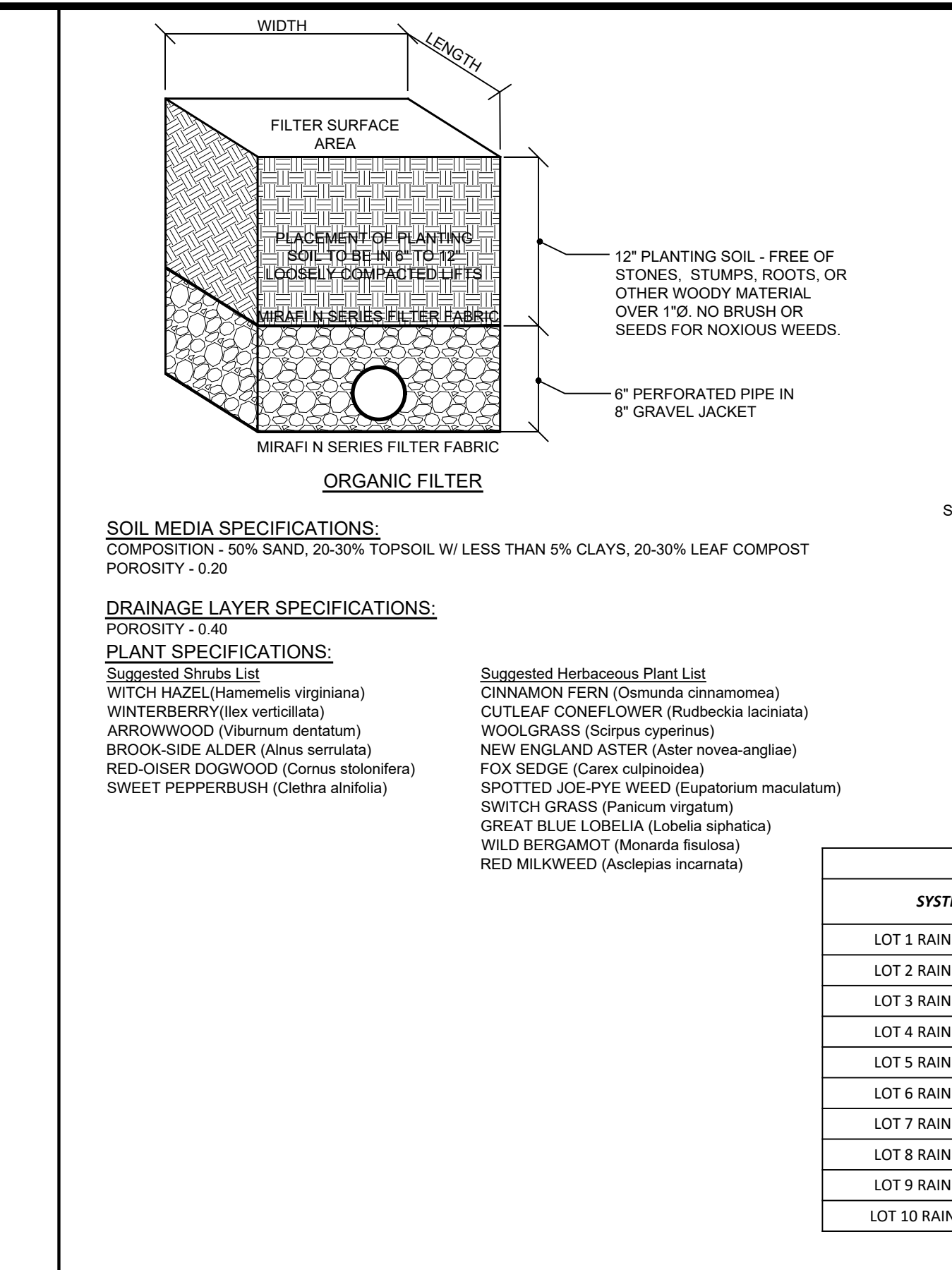
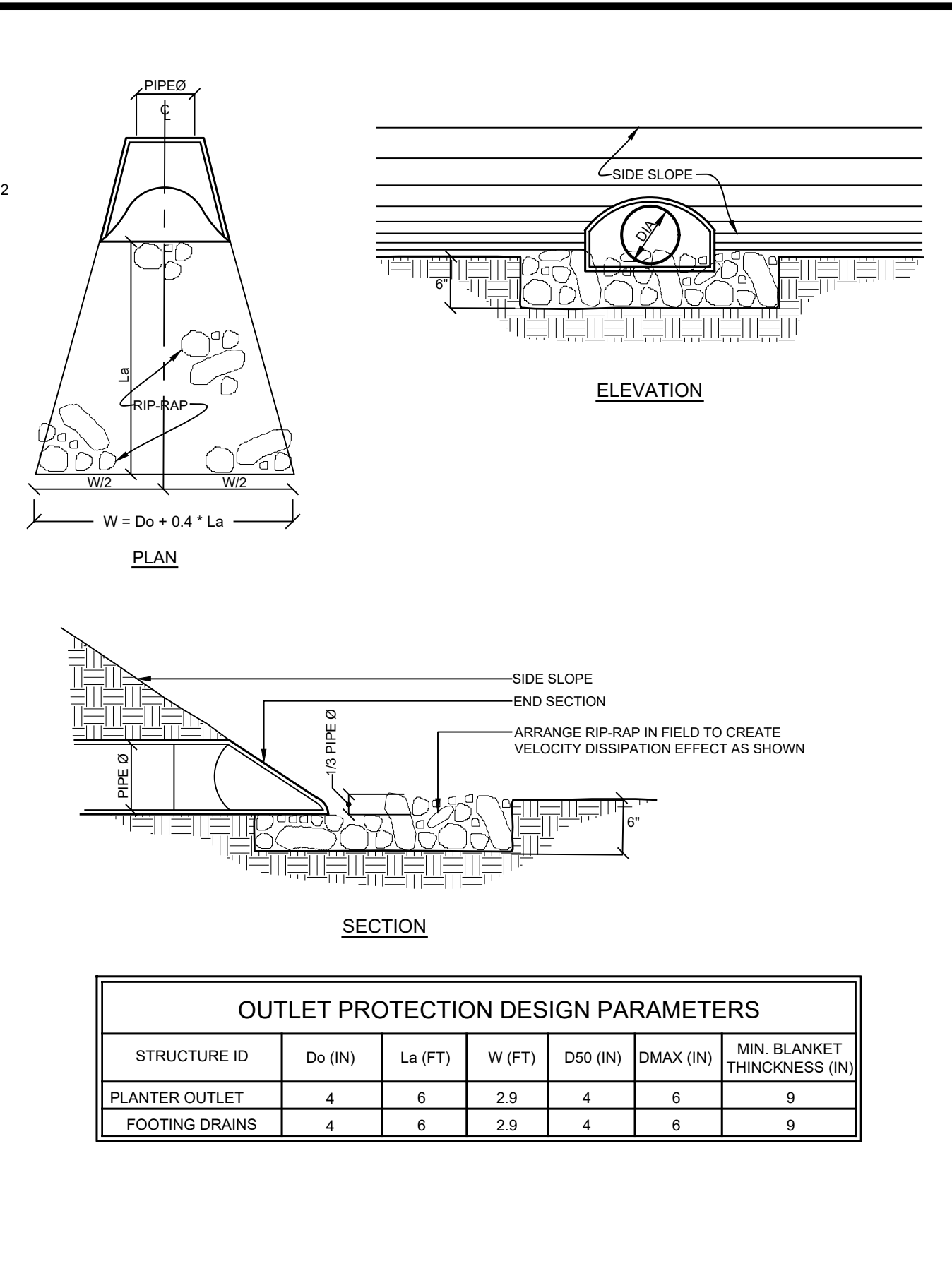
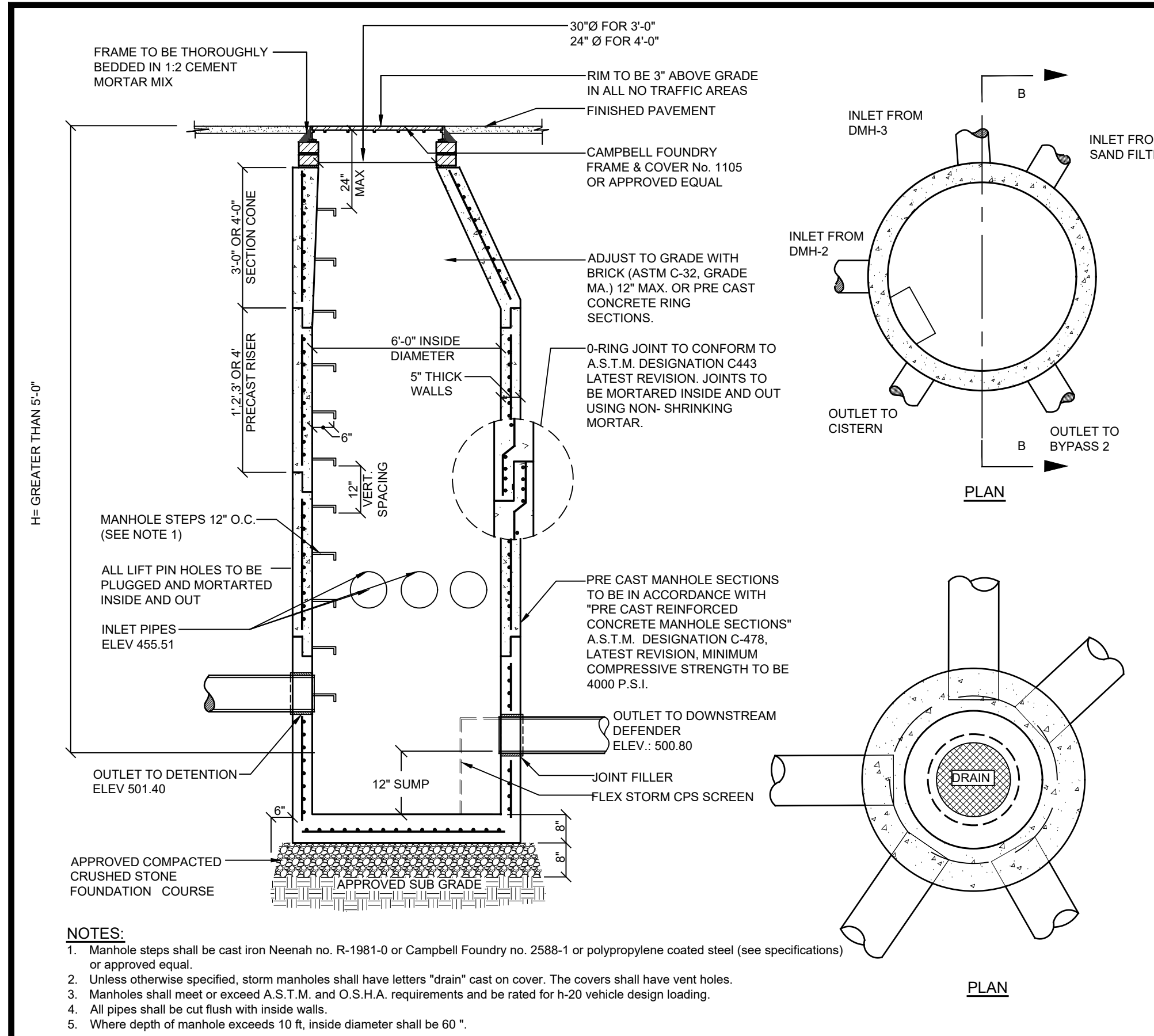
STORMTECH
DETAILS

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 Westchester County, New York
 Town of Yorktown

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PROJECT # 21-18

SEAL OF NEW YORK STATE
 JOSEPH C. RIINA, P.E.
 LICENSED PROFESSIONAL ENGINEER
 NYS Lic. No. 64431

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SCALE: NTS
 DRAWN BY: TK
 DATE: 5/7/21

DRAINAGE DETAILS

SITE PLAN PREPARED FOR
NIKOLLA GRISHAJ
 3319 STONY STREET
 Town of Yorktown Westchester County, New York

NOTE: UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209 (2) OF THE NEW YORK STATE EDUCATION LAW.