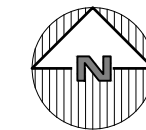


LOCATION MAP
NOT TO SCALE



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
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	7,639 SF	2,585 SF	xxx SF
100' WETLAND ADJACENT AREA	59,999 SF	21,408 SF	

SITE DATA:

OWNER / DEVELOPER: NIKOLLA GRISHAJ
11 MUDROCK ROAD
NEW CITY, NY, 10596

PROJECT LOCATION: 3319 STONY STREET
YORKTOWN, NY, 10598

EXISTING TOWN ZONING: R1-20, RESIDENTIAL

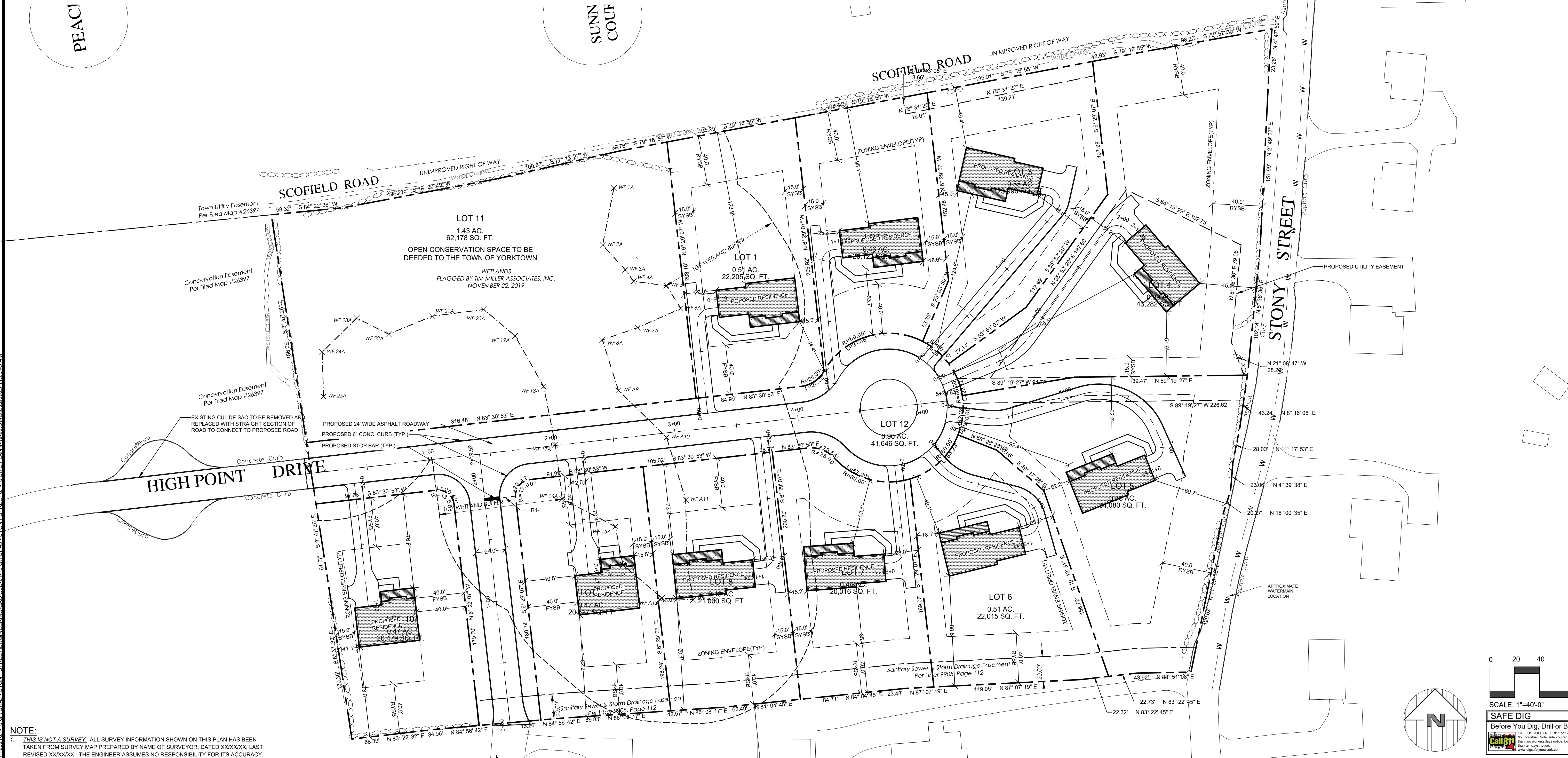
PROPOSED USE: R1-20, RESIDENTIAL DESCRIPTION

TOWN TAX MAP DATA: SECTION 16.17, BLOCK 2, LOT 77

SITE AREA: 8.07 ACRES (351,544 SF)

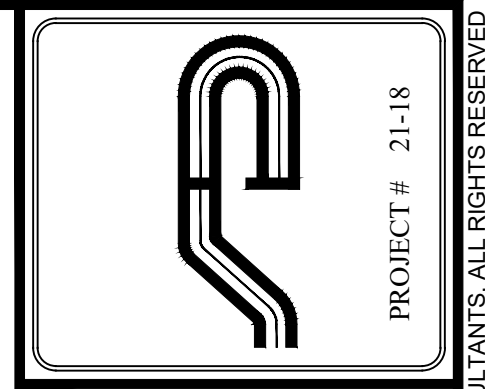
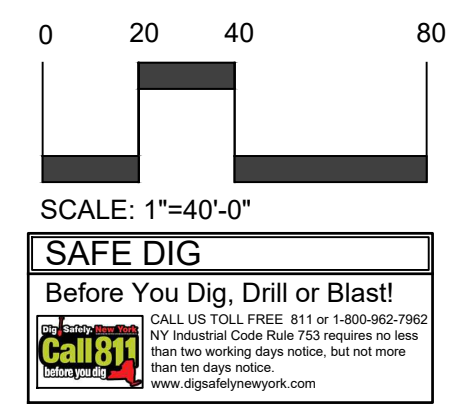
SEWAGE FACILITIES: PUBLIC SEWERS

WATER FACILITIES: PUBLIC WATER FACILITIES

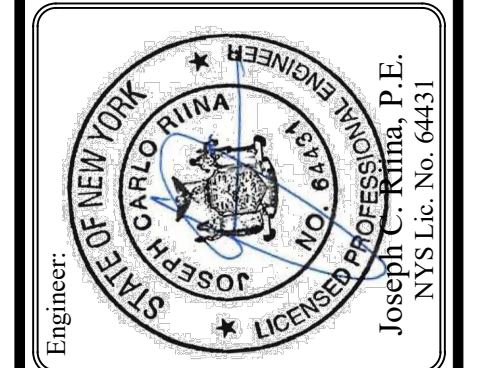


NOTE:
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Revisions:	No.	Date	Comments
	1	10/7/21	Plan Revisions
	2	2/21/23	Issue Update
	3	12/11/23	Issue Update
	4	2/29/24	CB Comments

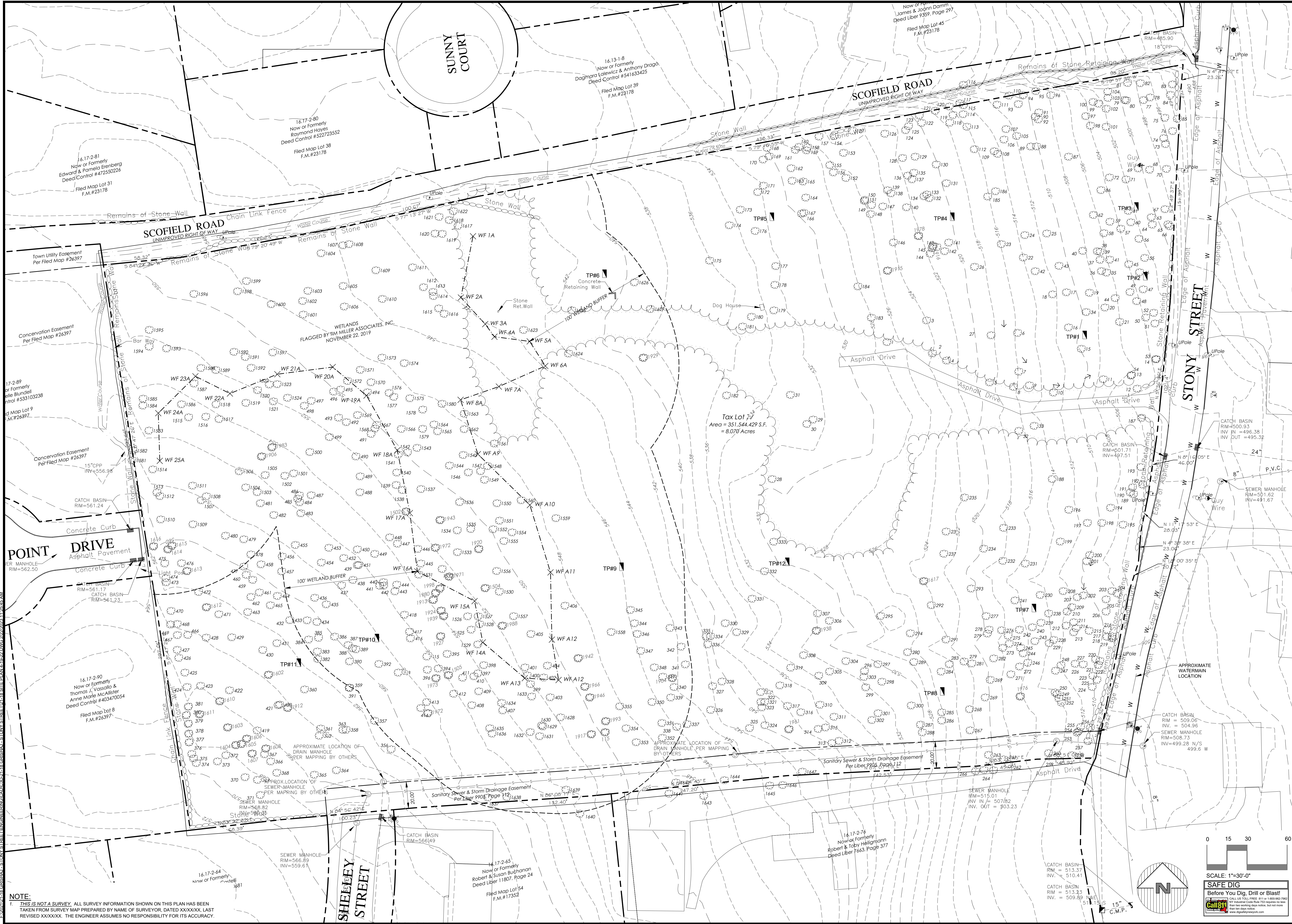
SCALE: 1" = 40'
DRAWN BY: TK
DATE: 5/7/21

SITE PLAN

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

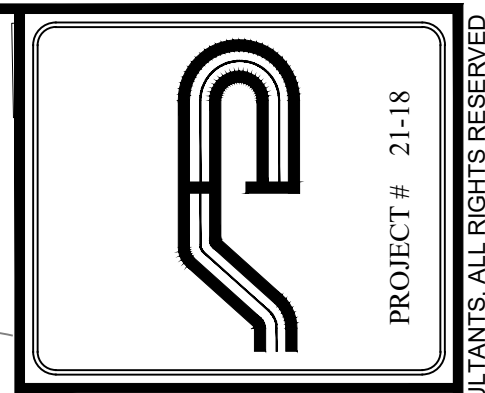
Sheet 18 of 18

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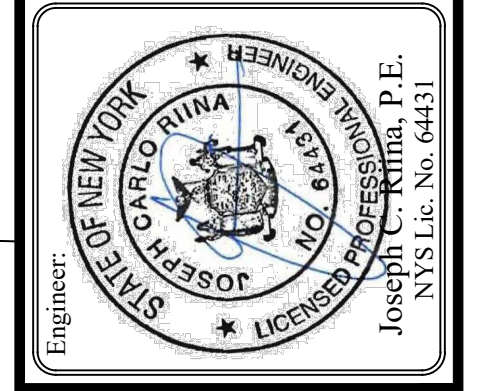


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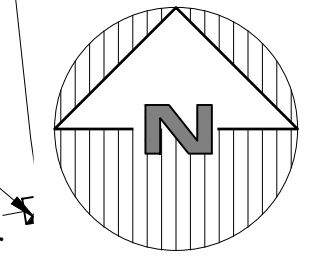
Revisions:	No.	Date	Comments
1	10/7/21	Plan Revisions	
2	2/21/23	Tree Update	
3	12/11/23	Tree Update	
4	2/29/24	CB Comments	

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

EXISTING CONDITIONS PLAN

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

Sheet 2 of 18

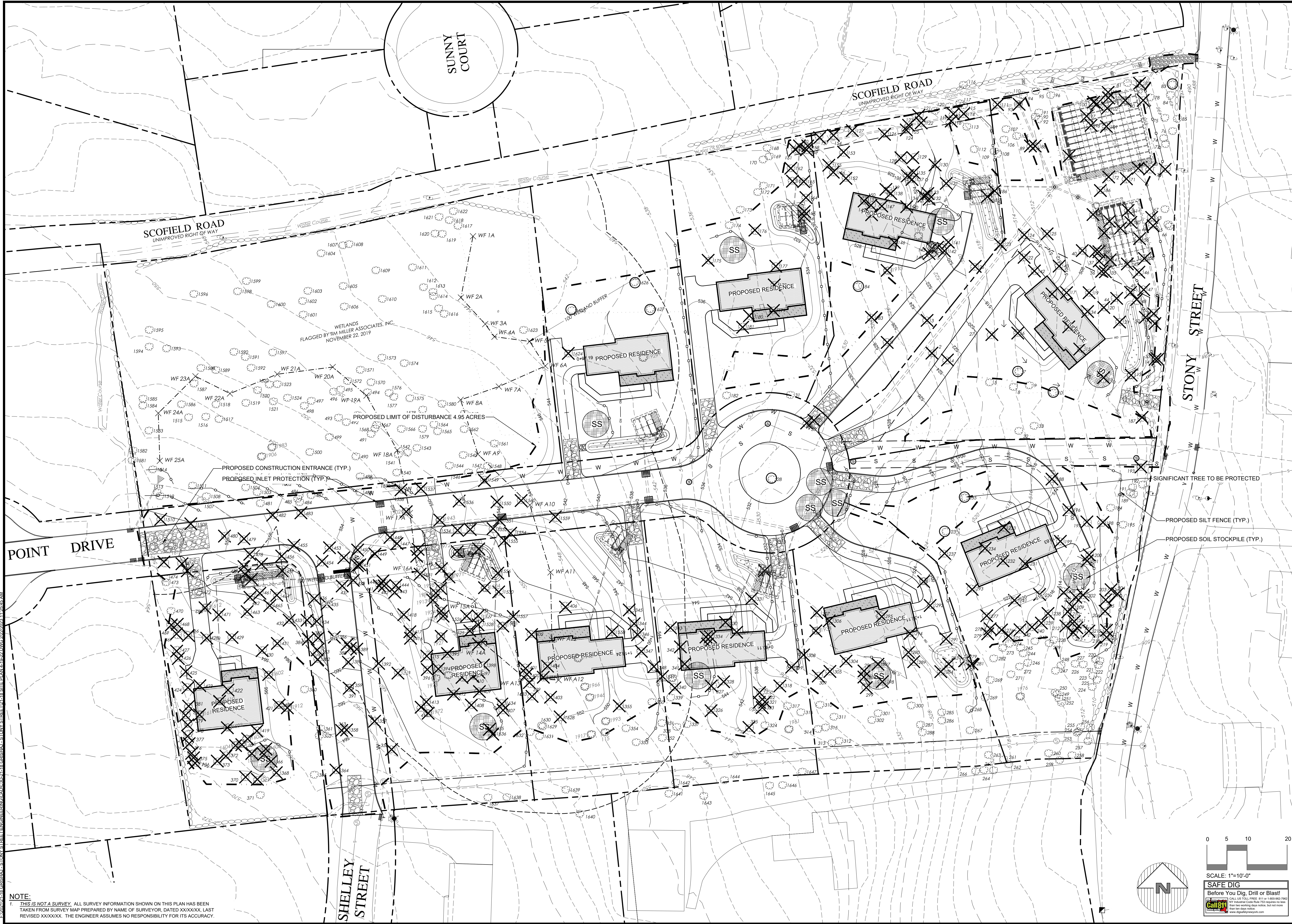


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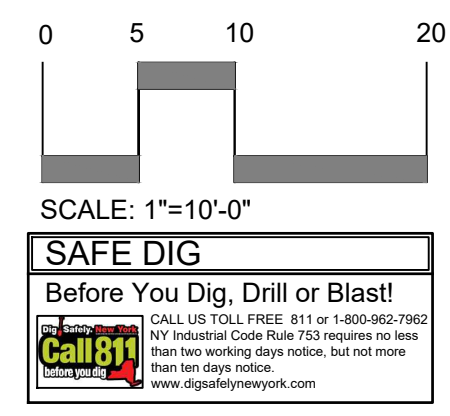
PROJECT # 21-18

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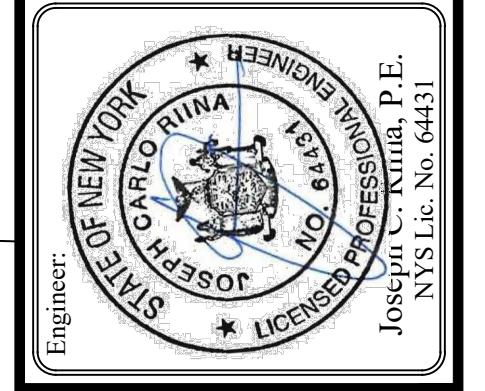
Town of Yorktown, Westchester County, New York



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

E&S PLAN

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

PIPE	UPSTREAM STRUCTURE	RIM	DOWNSTREAM STRUCTURE	RIM	LENGTH (FT)	UPSTREAM INV.	DOWNSTREAM INV.	SLOPE (%)	PIPE DIAMETER (INCHES)	PIPE	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	LENGTH (FT)	UPSTREAM INV.	DOWNSTREAM INV.	SLOPE (%)	PIPE DIAMETER (INCHES)
CB-1 TO CB-2	CB-1	557.10	CB-2	557.10	19.03	552.36	552.25	0.50	18	SMH-1 TO SMH-2	SMH-1	SMH-2	66.54	527.78	525.90	2.67	8
CB-2 TO CB-4	CB-2	557.10	CB-4	553.50	39.28	552.00	550.00	4.72	18	SMH-2 TO SMH-3	SMH-2	SMH-3	67.37	525.80	524.13	2.34	8
CB-3 TO CB-4	CB-3	553.50	CB-4	553.50	18.97	550.00	549.90	0.50	18	SMH-3 TO SMH-4	SMH-3	SMH-4	209.38	524.03	498.62	12.00	8
CB-4 TO CB-5	CB-4	553.50	CB-5	546.32	86.10	549.65	542.82	7.61	18	SMH-4 TO EX SMH	SMH-4	EX SMH	61.63	498.52	491.67	10.50	8
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	526.99	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	498.84	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	500.25	500.11	1.00	12								
INFILTRATION CHAMBERS TO DMH-3	INFILTRATION CHAMBERS	502.29	DMH-3	502.37	25.80	499.29	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	493.25	492.00	4.62	12								



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Engineer: Joseph C. Grishaj, P.E.
 NYS Lic. No. 64431

Revisions:	No.	Date	Comments
	1	10/7/21	Plan Revisions
	2	2/21/23	Issue Update
	3	12/11/23	Issue Update
	4	2/29/24	CB Comments

SCALE: 1" = 30'

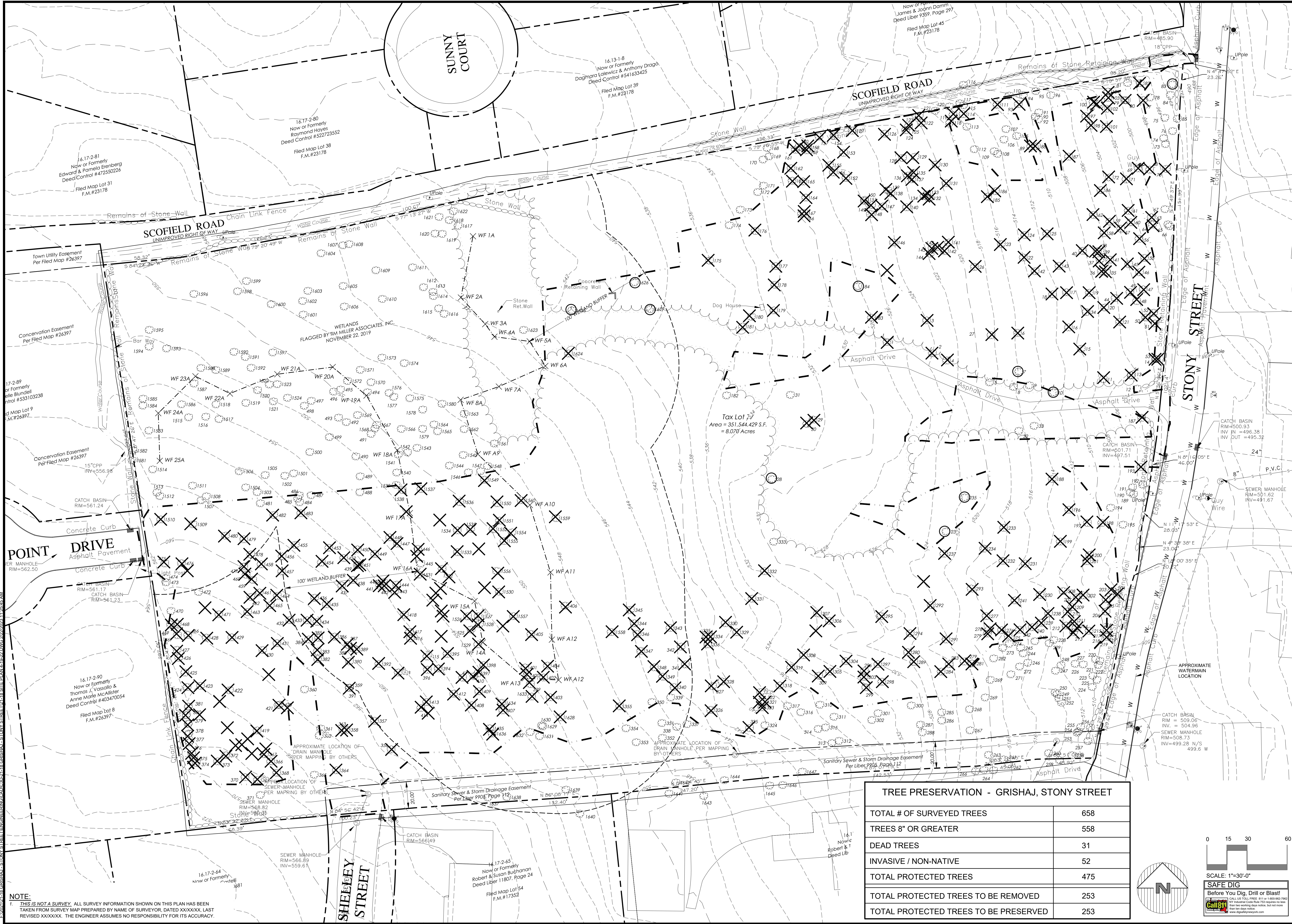
DRAWN BY: TK

DATE: 5/7/21

IMPROVEMENT PLAN

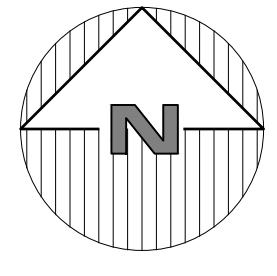
SITE PLAN PREPARED FOR
NIKOLLA GRISHAJ
 3319 STONY STREET
 Town of Yorktown Westchester County, New York

SHEET
 4 of 18

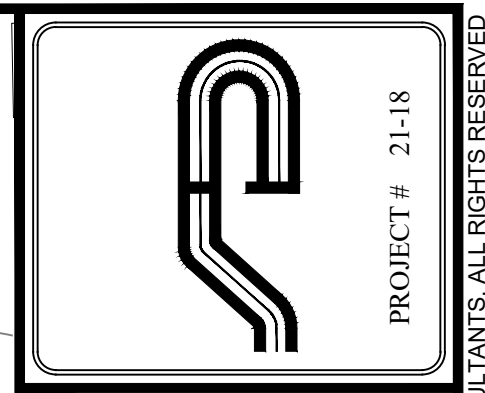


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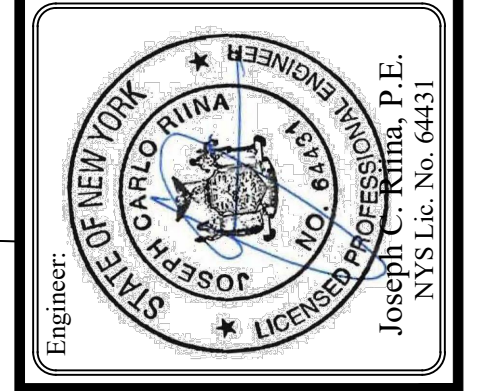
TREE PRESERVATION - GRISHAJ, STONY STREET	
TOTAL # OF SURVEYED TREES	658
TREES 8" OR GREATER	558
DEAD TREES	31
INVASIVE / NON-NATIVE	52
TOTAL PROTECTED TREES	475
TOTAL PROTECTED TREES TO BE REMOVED	253
TOTAL PROTECTED TREES TO BE PRESERVED	253



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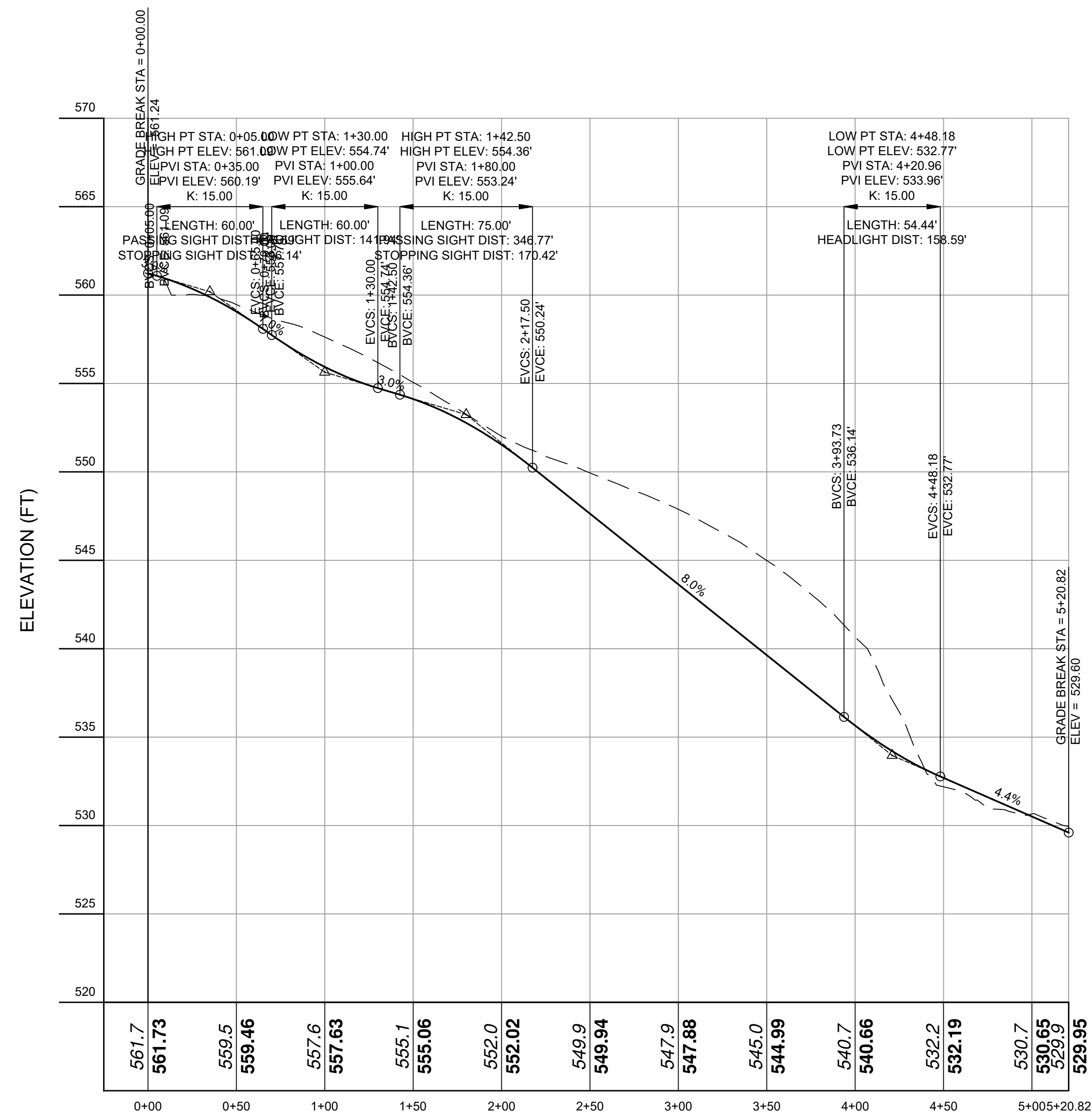
SCALE: 1" = 30'
 DRAWN BY: TK
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TREE PLAN

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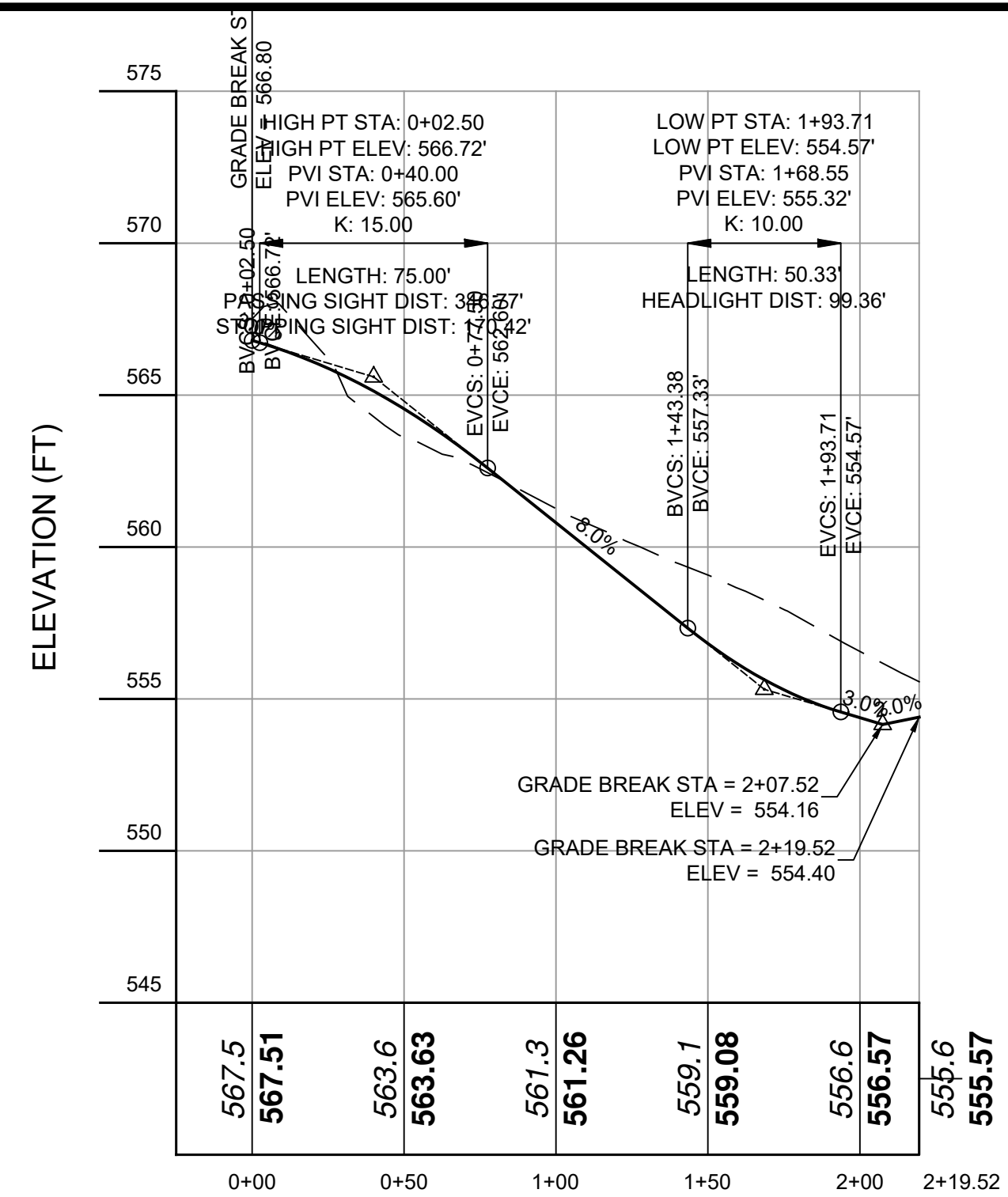
Sheet 5 of 18

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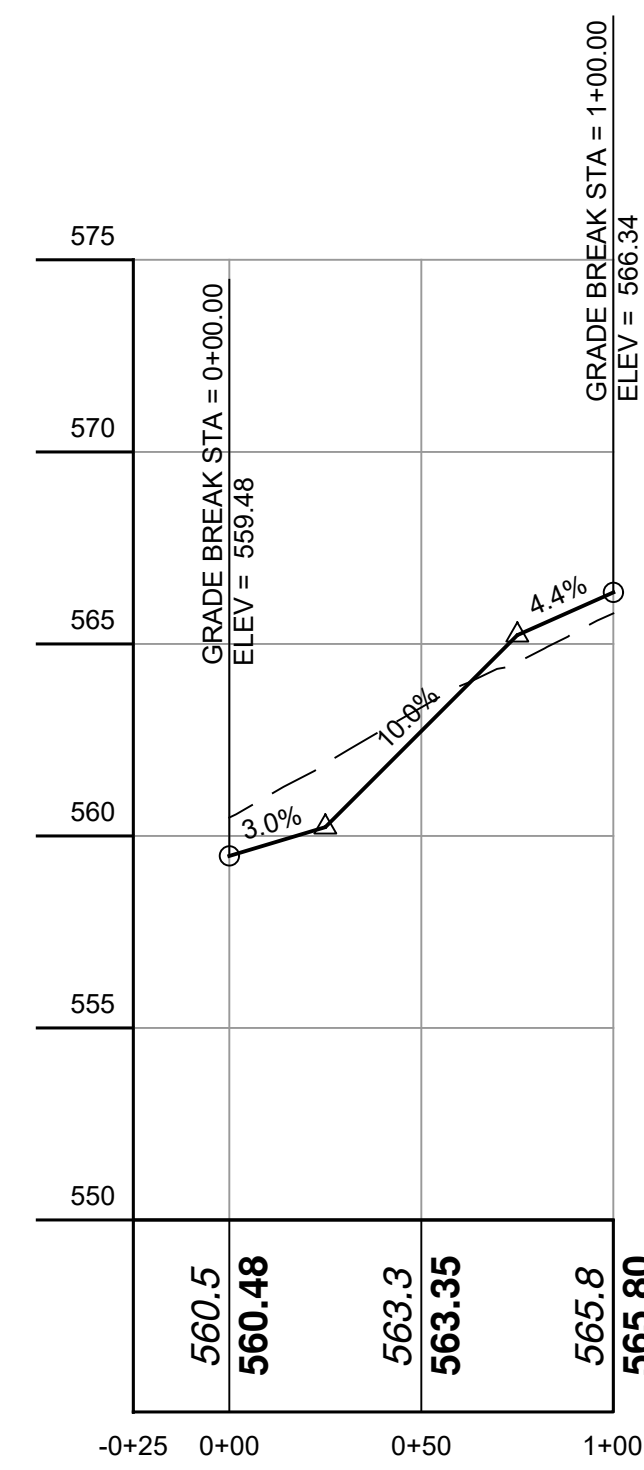
DISTANCE ALONG BASELINE (FT)

PROPOSED ROAD
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HORIZ. SCALE: 1" = 50



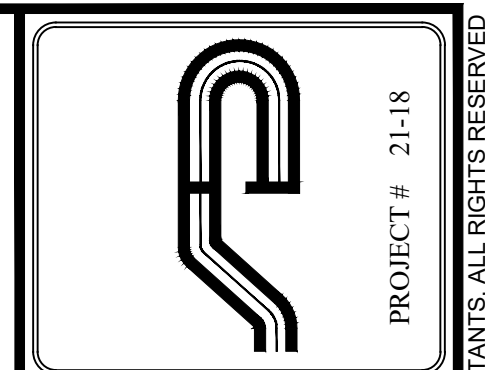
DISTANCE ALONG BASELINE (FT)

Connecting Road
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HORIZ. SCALE: 1" = 50

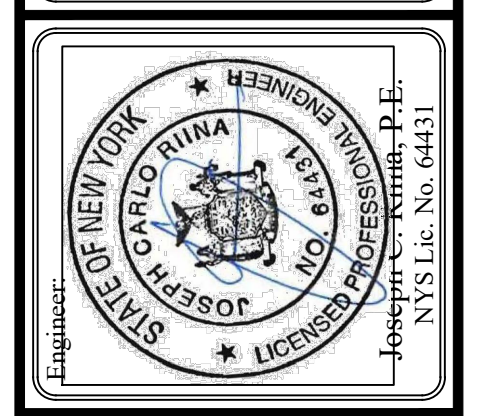


DISTANCE ALONG BASELINE (FT)

Lot 10 Driveway
VERT. SCALE: 1" = 5
HORIZ. SCALE: 1" = 50



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Revisions:	No.	Date	Comments:
	1	10/7/21	Plan Revisions

SCALE: NTS
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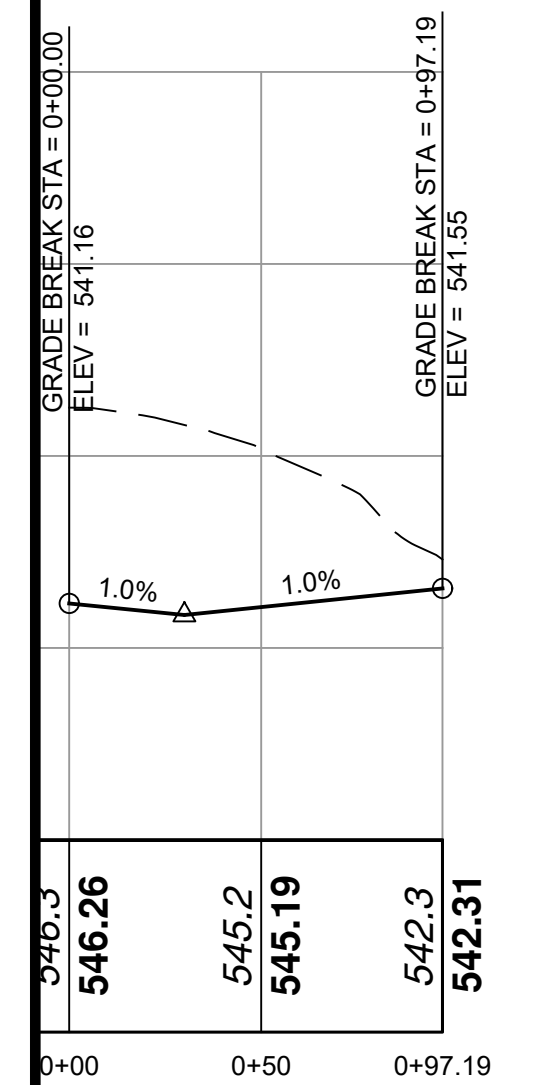
ROADWAY PROFILES

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

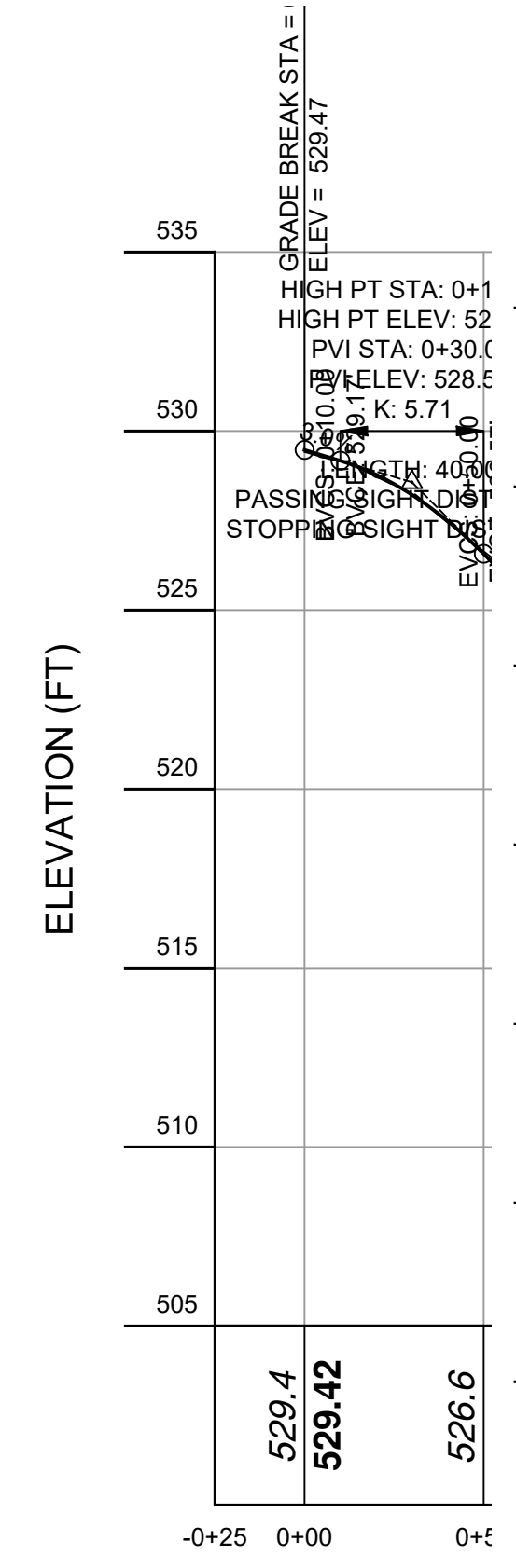
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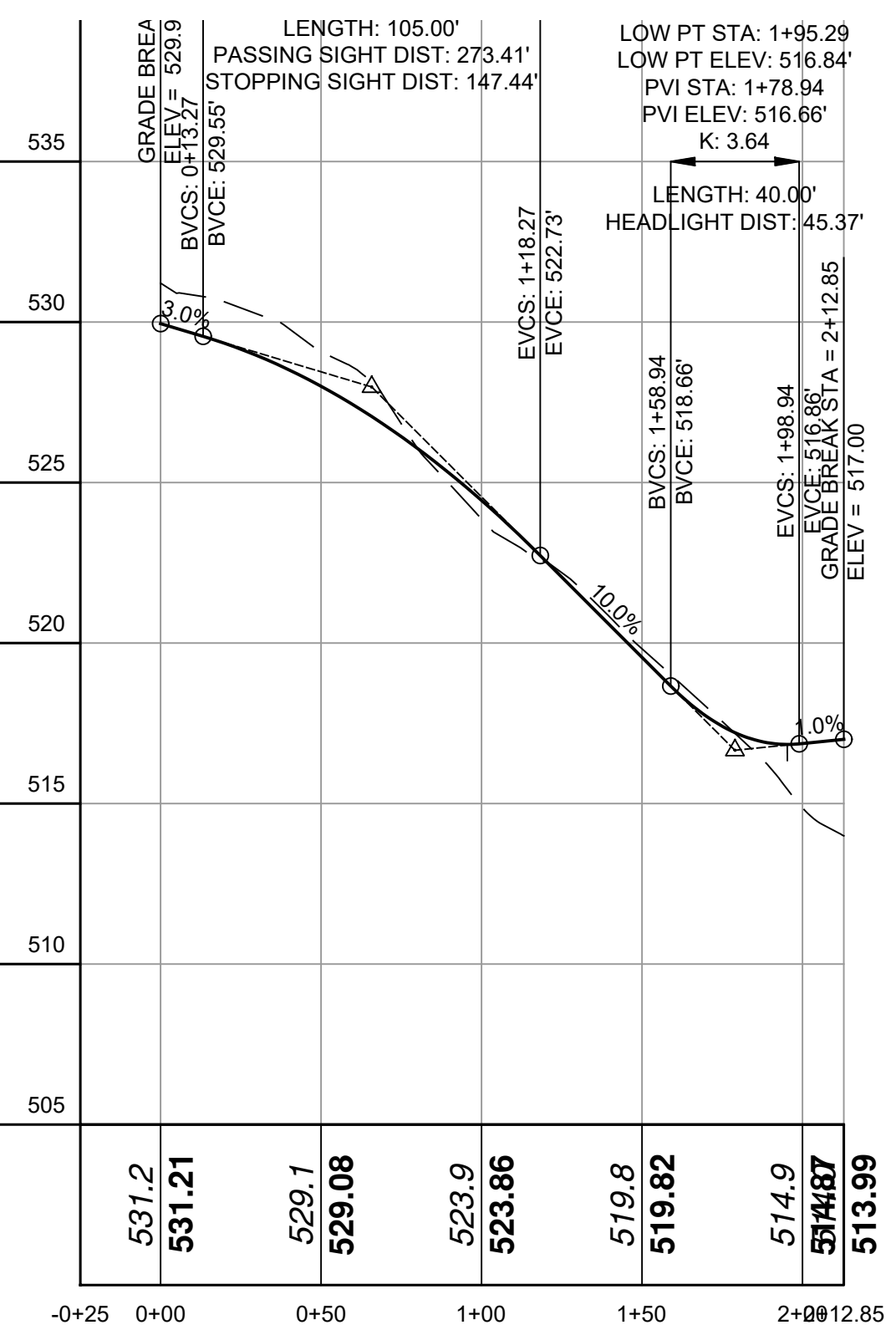
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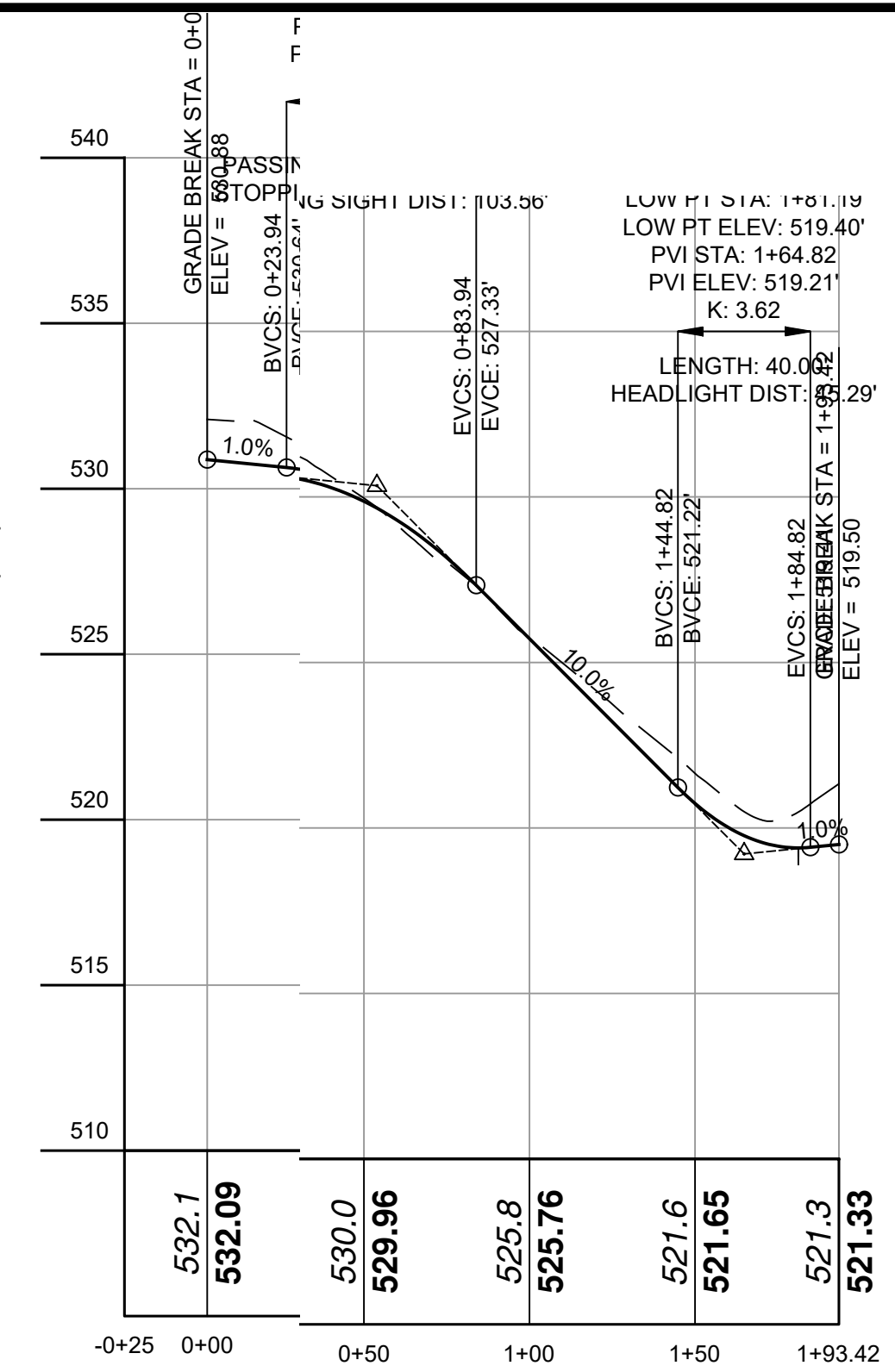
LOT 1 DRIVEWAY
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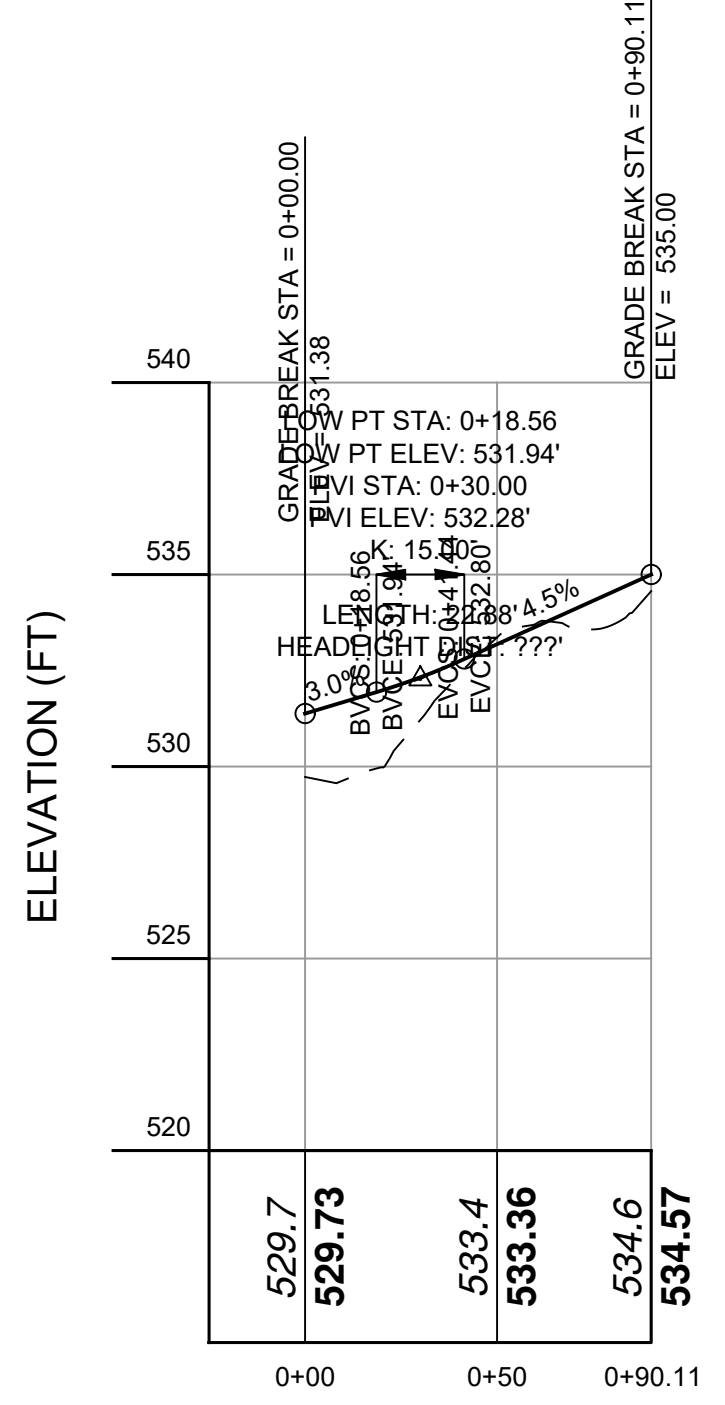
LOT 4 DRIVE
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HORIZ. SCALE: 1" = 50



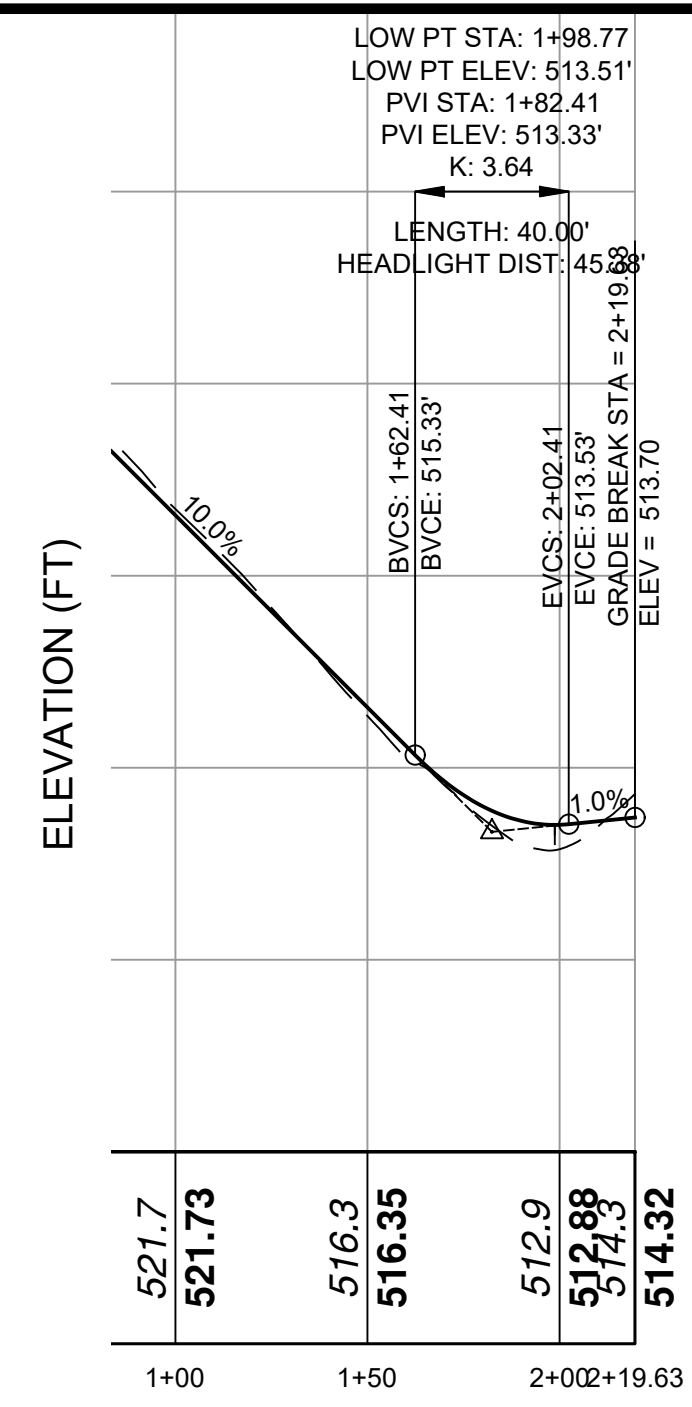
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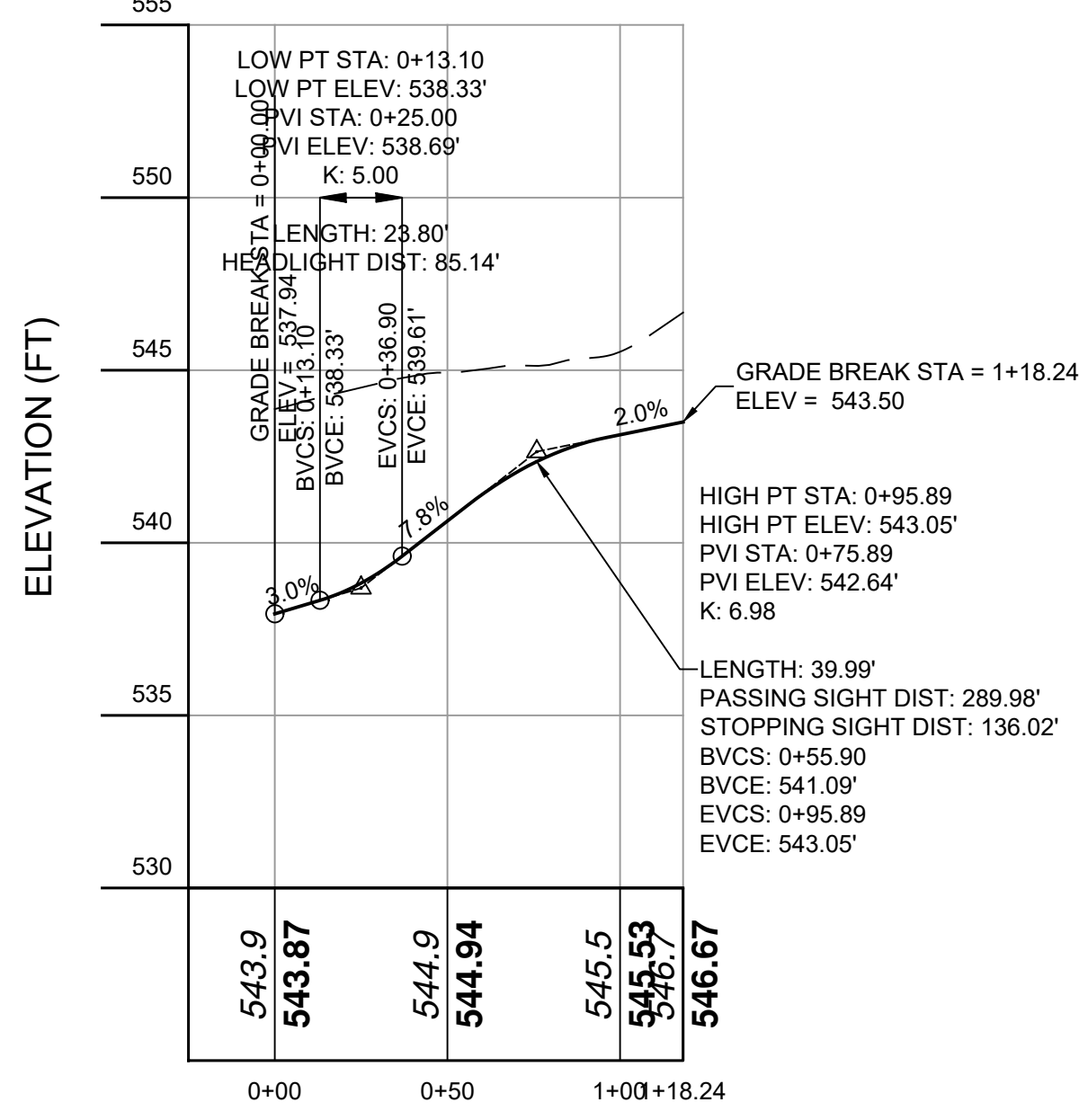
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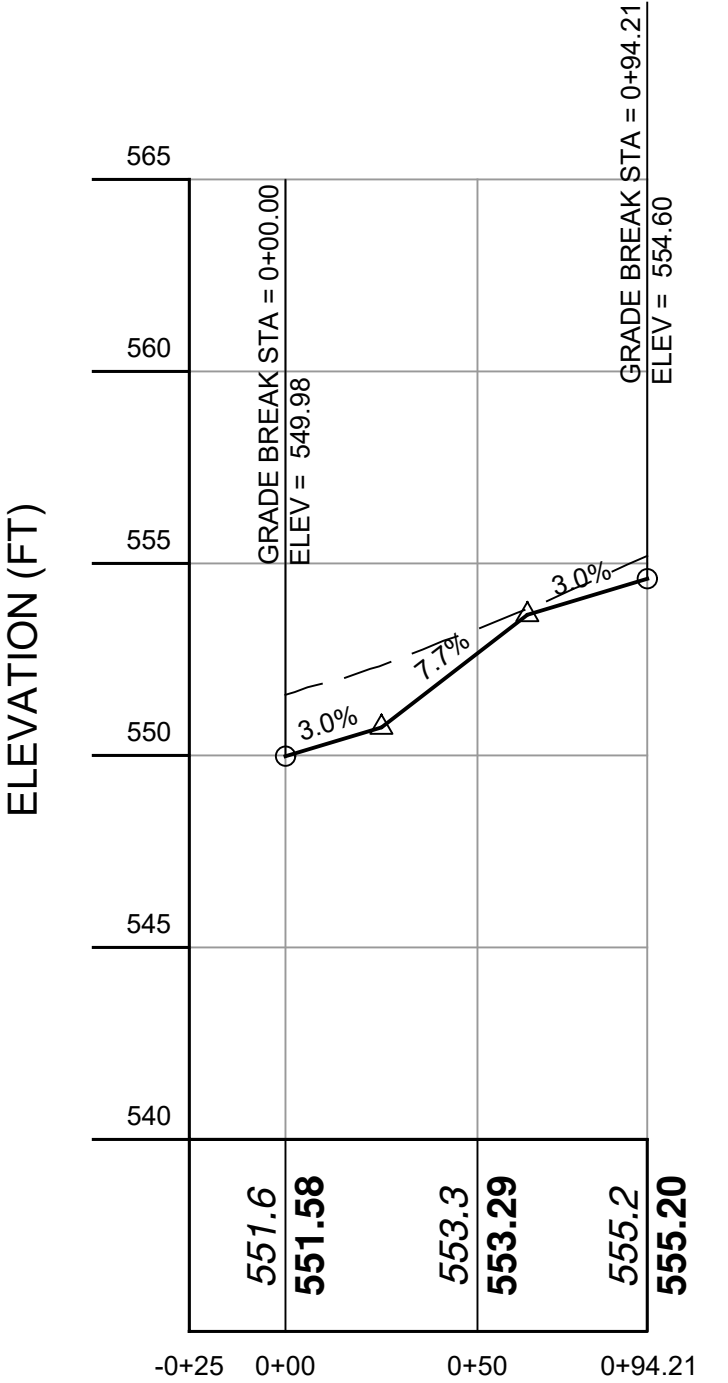
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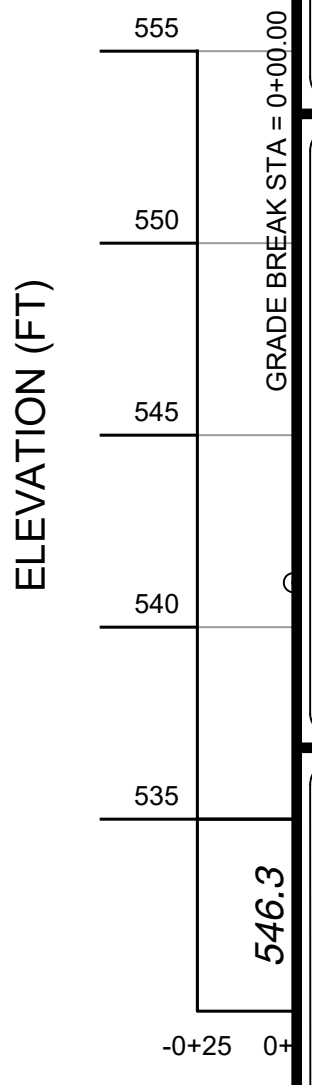
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HORIZ. SCALE: 1" = 50



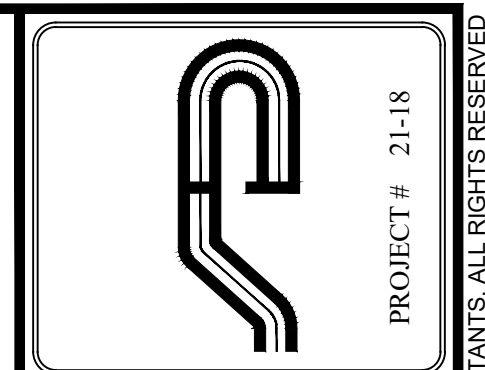
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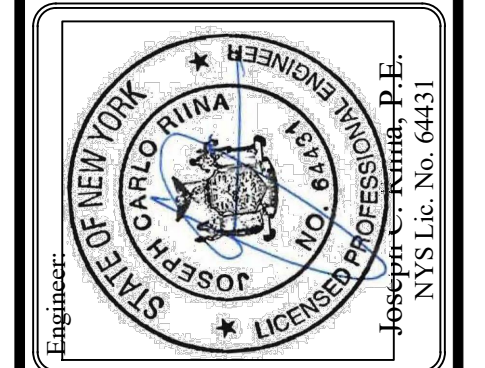
Lot 9 Driveway
VERT. SCALE: 1" = 5
HORIZ. SCALE: 1" = 50



LOT 9 DRIVEWAY
VERT. SCALE: 1" = 5
HORIZ. SCALE: 1" = 50



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Revisions:	No.	Date	Comments
	1	10/7/21	Plan Revisions

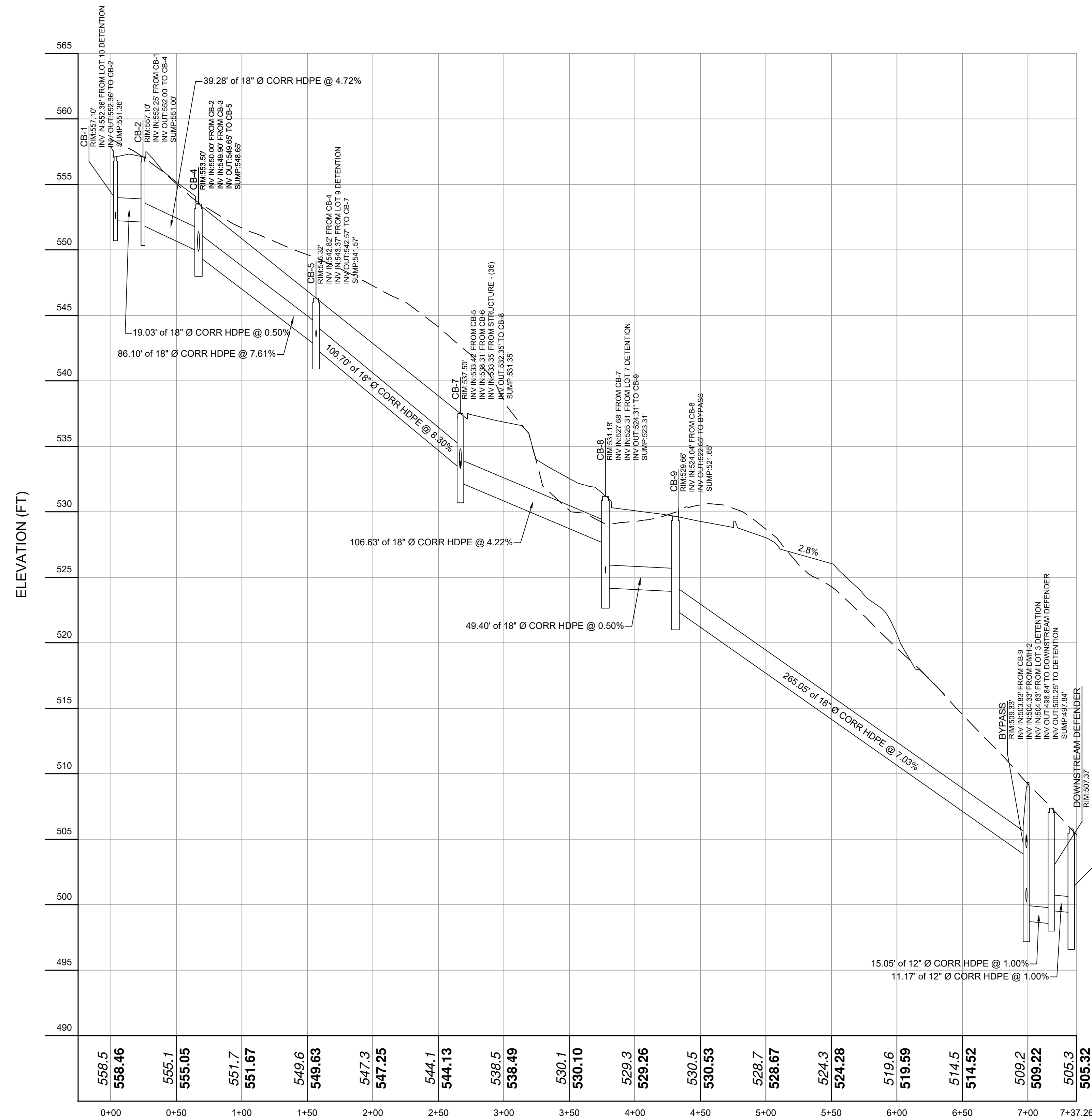
SCALE: NTS	DRAWN BY: TK	DATE: 5/7/21
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DRIVEWAY PROFILES

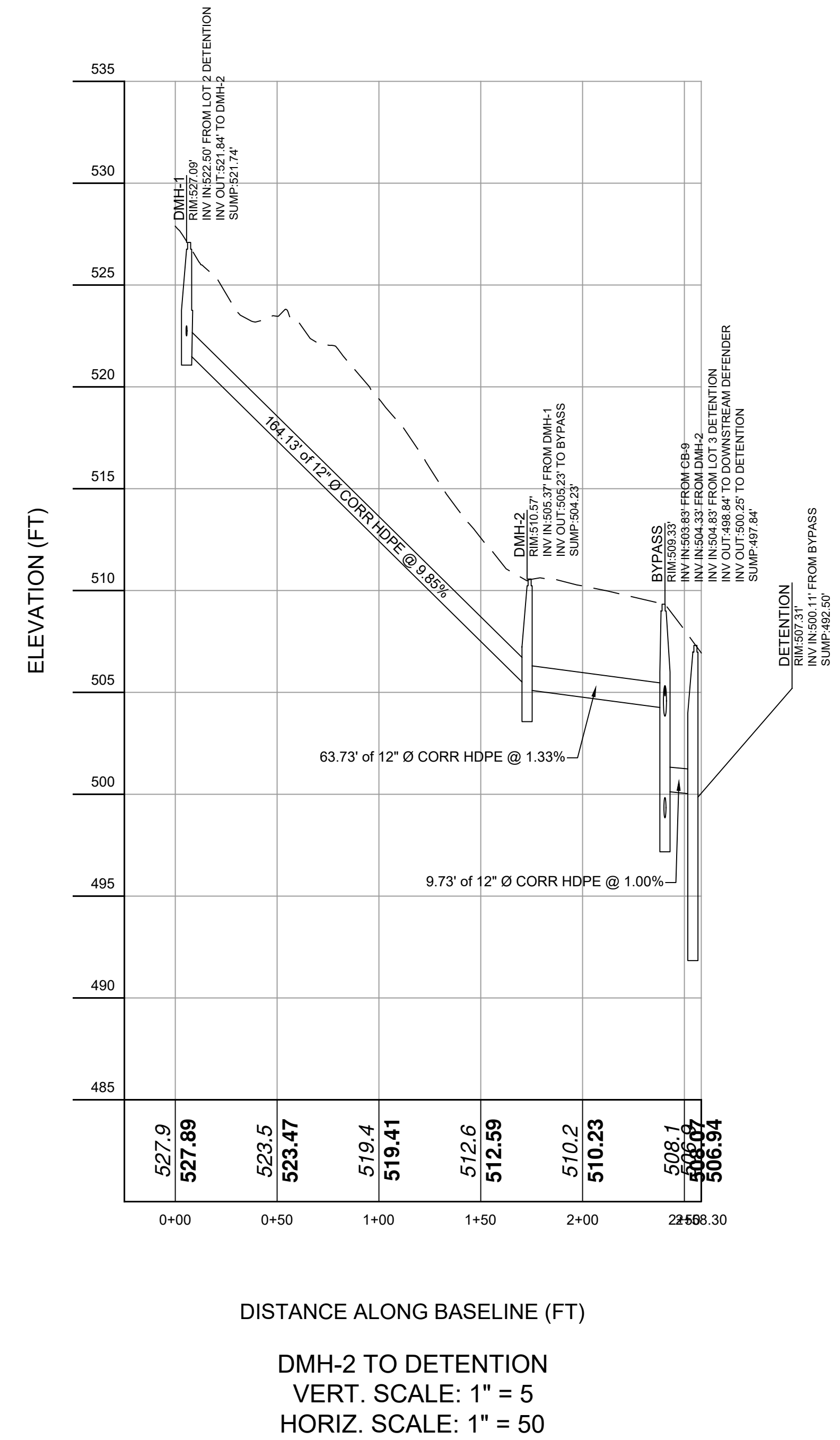
SITE PLAN PREPARED FOR
NIKOLLA GRISHAJ
3319 STONY STREET
Town of Yorktown Westchester County, New York

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

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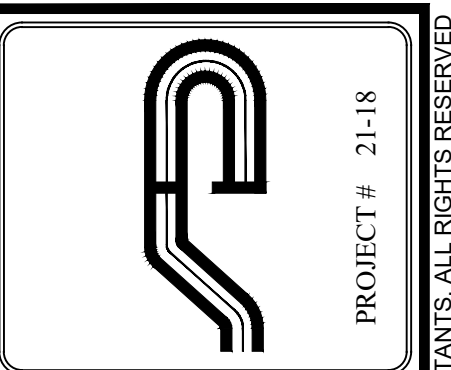
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 HORIZ. SCALE: 1" = 50



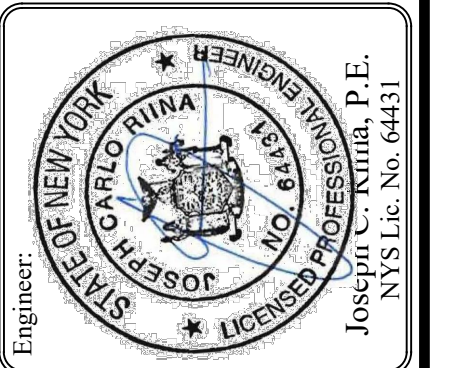
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NOTE:
 1. THIS IS NOT A SURVEY. ALL SURVEY INFORMATION SHOWN ON THIS PLAN HAS BEEN TAKEN FROM SURVEY MAP PREPARED BY NAME OF SURVEYOR, DATED XXXXXX, LAST REVISED XXXXXX. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

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Revisions:	Comments:
No.	Date
1	10/7/21
	Plan Revisions

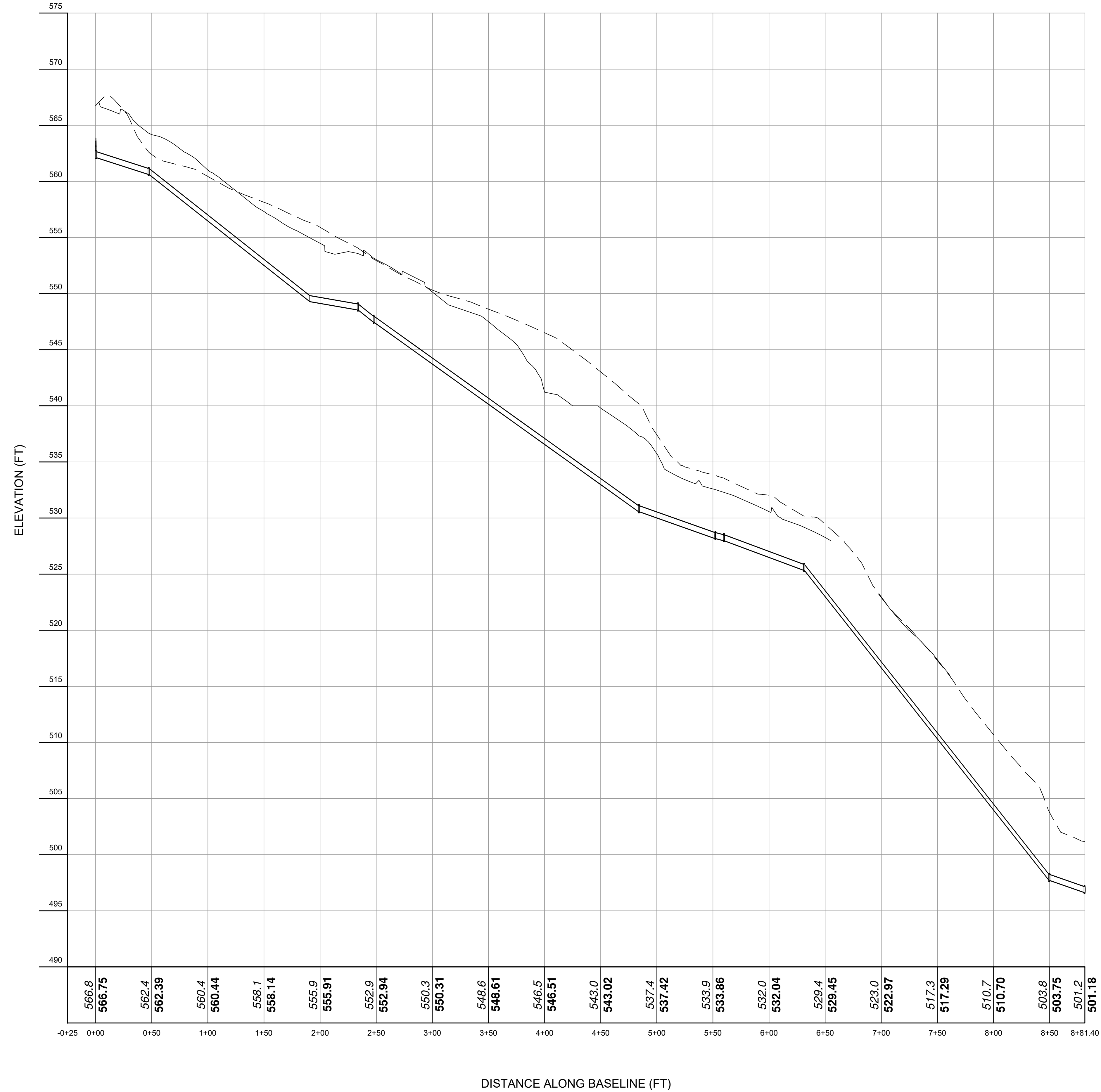
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DRAWN BY:	TK
DATE:	5/7/21

DRAINAGE PROFILES

SITE PLAN PREPARED FOR
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PROJECT # 21-18

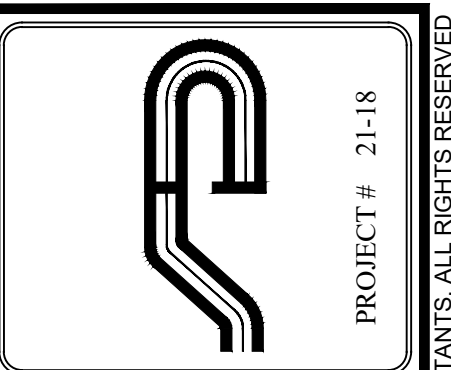


WATERMAIN
 VERT. SCALE: 1" = 5
 HORIZ. SCALE: 1" = 50

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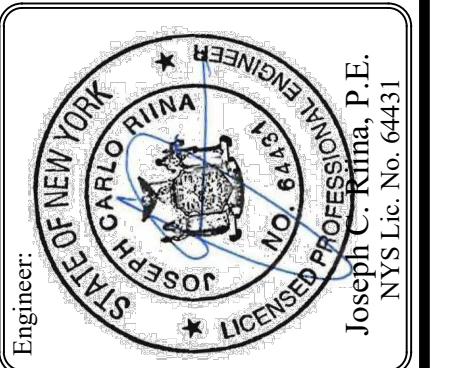
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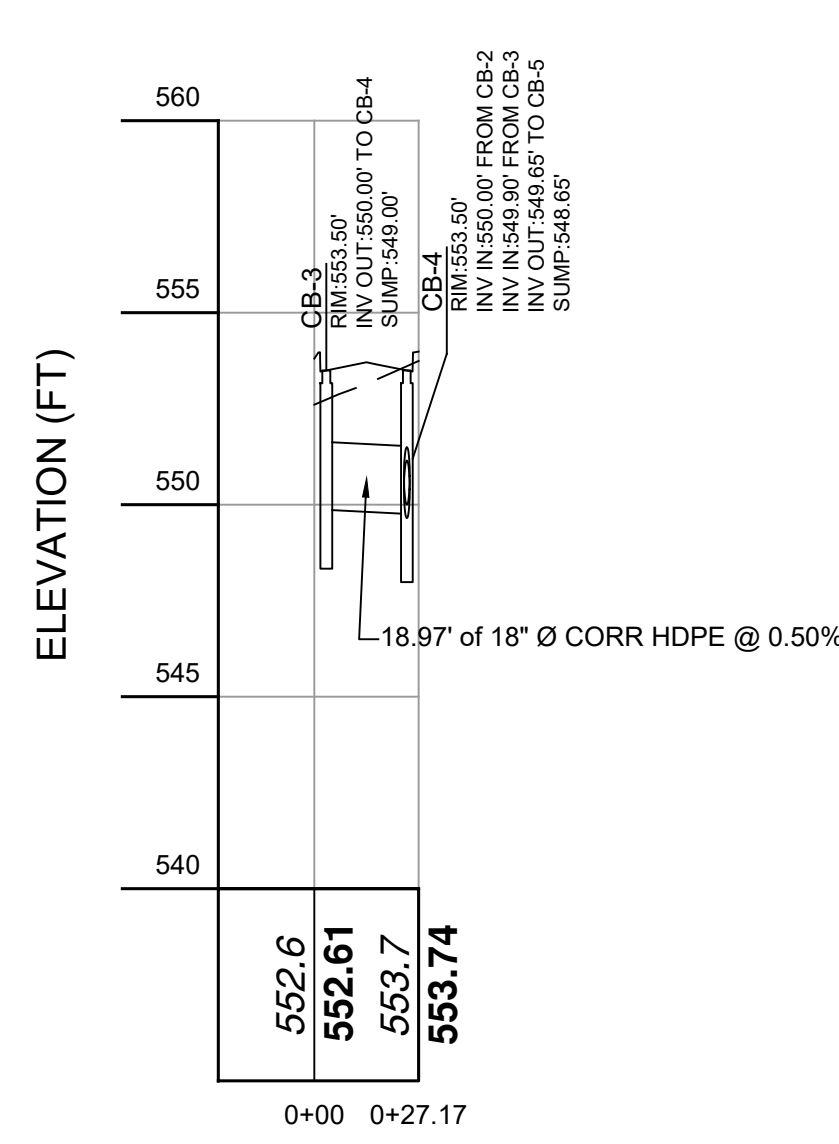
Revisions:	No.	Date	Comments:
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SCALE: NTS
 DRAWN BY: TK
 DATE: 5/7/21

WATERMAIN PROFILES

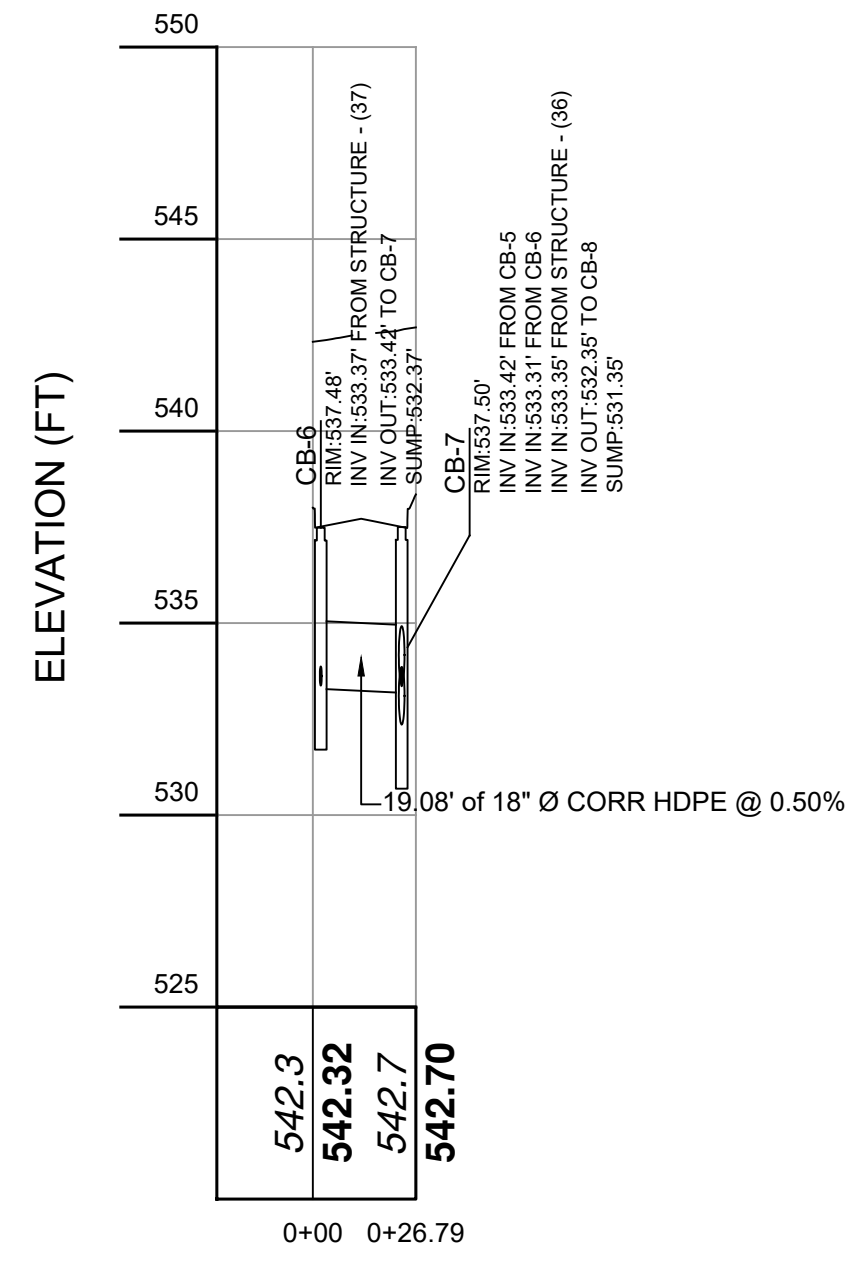
SITE PLAN
 PREPARED FOR
NIKOLLA GRISHAJ
 3319 STONY STREET
 Town of Yorktown Westchester County, New York

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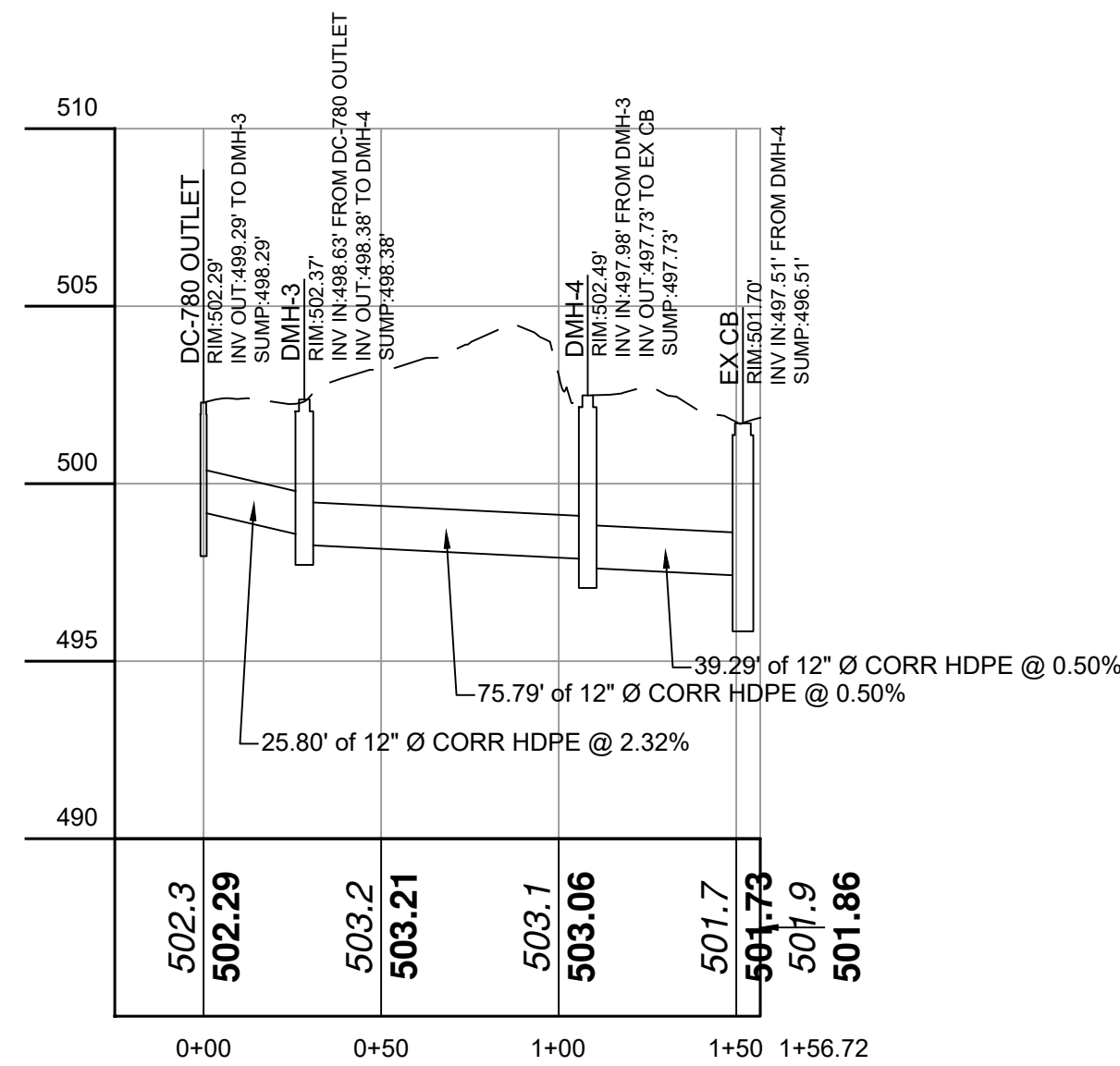
DISTANCE ALONG BASELINE (FT)

CB-3 TO CB-4
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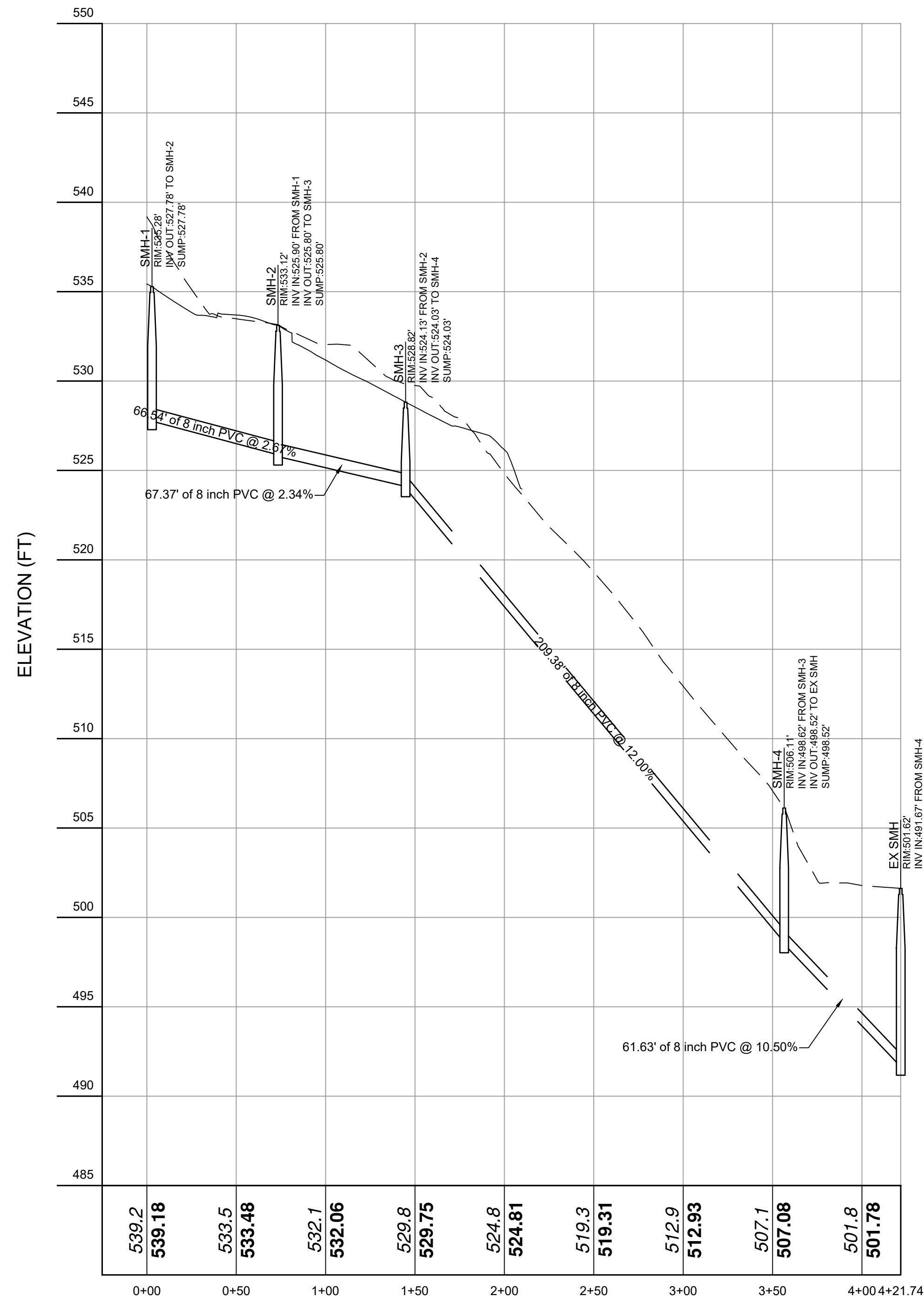
DISTANCE ALONG BASELINE (FT)

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



DISTANCE ALONG BASELINE (FT)

TREATMENT TO EX CB
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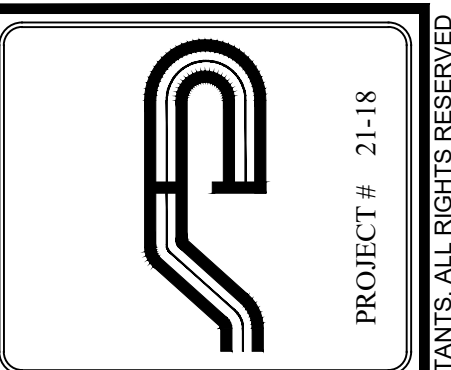
DISTANCE ALONG BASELINE (FT)

SANITARY SEWER
VERT. SCALE: 1" = 5
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NOTE:
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Revisions:	No.	Date	Comments:
	1	10/7/21	Plan Revisions

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

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

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PROJECT # 21-18

GENERAL NOTES:

1. THE ENGINEER WHOSE SEAL APPEARS HEREON HAS NOT BEEN RETAINED FOR SUPERVISION OF CONSTRUCTION. SUBSEQUENTLY HE IS NOT RESPONSIBLE FOR CONSTRUCTION AND THEREFORE ASSUMES NO RESPONSIBILITY FOR CONSTRUCTION PRACTICES, PROCEDURES, AND RESULTS THEREOF.
2. THE ENGINEER WHOSE SEAL APPEARS HEREON IS HELD ACCOUNTABLE FOR THE INTEGRITY OF ANY STRUCTURES CONSTRUCTED OR UNDER CONSTRUCTION PRIOR TO THE APPROVAL OF THE PLANS.
3. THE TOWN ENGINEER'S OFFICE AND WATER DISTRICT OFFICE IS TO BE NOTIFIED 24 HOURS BEFORE COMMENCING SITE CONSTRUCTION OR WATER MAIN CONNECTION.
4. ALL WORK IS TO BE IN ACCORDANCE WITH THE TOWN CODE OF PRACTICE AND SPECIFICATIONS.
5. ALL CONDITIONS, LOCATIONS, AND DIMENSIONS SHALL BE FIELD VERIFIED AND THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY DISCREPANCIES.
6. ALL CHANGES MADE TO THE PLANS SHALL BE APPROVED BY THE ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS. ANY SUCH CHANGES SHALL BE FILED AS AMENDMENTS TO THE ORIGINAL BUILDING PERMIT.
7. ALL WRITTEN DIMENSIONS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER ANY SCALED DIMENSIONS.
8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALL IN A "CODE 53" PRIOR TO CONSTRUCTION FOR UNDERGROUND UTILITY LOCATIONS. 9. SUBSTRUCTURES AND THEIR ENCROACHMENTS BELOW GRADE, IF ANY, ARE NOT SHOWN.
9. ANY PROPOSED ELECTRIC AND/OR TELEPHONE SERVICE LINES ARE TO BE PLACED UNDERGROUND.
10. THE DESIGN ENGINEER DISCLAIMS ANY LIABILITY FOR DAMAGE OR LOSS INCURRED DURING OR AFTER CONSTRUCTION.
11. ALL CONDITIONS, LOCATIONS, AND DIMENSIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR AND THE OWNER/ENGINEER NOTIFIED IN WRITING OF ANY DISCREPANCIES PRIOR TO THE START OF WORK. THE OWNER/ENGINEER WILL EVALUATE THE SITUATION AND MODIFY THE PLAN AS NECESSARY.

CONTRACTOR RESPONSIBILITIES:

1. ALL WORK ON THE PROJECT SHALL BE PERFORMED IN A WORKMAN LIKE MANNER AND SHALL BE IN ACCORDANCE WITH THE STANDARDS OF THE INDUSTRY. THE OWNER WILL BE THE SOLE JUDGE OF THE ACCEPTABILITY OF THE WORK. MATERIALS AND WORK DEEMED UNACCEPTABLE WILL BE REMOVED AND REDONE AT THE SOLE COST AND RESPONSIBILITY OF THE CONTRACTOR.
2. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT HIS WORK AND WILL BE HELD RESPONSIBLE FOR CONSEQUENTIAL DAMAGES DUE TO HIS ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE TO THE OWNER FOR THE ACTS AND OMISSIONS OF HIS EMPLOYEE, AND THEIR AGENTS AND EMPLOYEES, AND ANY OTHER PERSONS PERFORMING ANY OF THE WORK UNDER A SEPARATE CONTRACT WITH THE CONTRACTOR.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROPERLY SHORE EXISTING UTILITIES IF REQUIRED BY CONSTRUCTION.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE TOWN ENGINEER INSPECTOR IN ADVANCE OF HIS WORK OR AS THE INSPECTOR DEEMS APPROPRIATE. ALL CONDITIONS AND DIMENSIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR AND THE OWNER/ENGINEER NOTIFIED IN WRITING OF ANY DISCREPANCIES PRIOR TO THE START OF WORK. THE OWNER/ENGINEER WILL EVALUATE THE SITUATION AND MODIFY THE PLAN AS NECESSARY.
5. ALL CHANGES MADE TO THIS PLAN SHALL BE APPROVED BY THE ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS. ANY UNAUTHORIZED ALTERATION OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209 (2) OF THE NEW YORK STATE EDUCATION LAW.
7. 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 THIS CONTRACT.
8. THE CONTRACTOR SHALL BE RESPONSIBLE TO THE OWNER FOR THE ACTS AND OMISSIONS OF HIS EMPLOYEES, SUBCONTRACTORS, AND THEIR AGENTS AND EMPLOYEES, AND ANY OTHER PERSONS PERFORMING ANY OF THE WORK UNDER A CONTRACT WITH THE CONTRACTOR.
9. THE CONTRACTOR SHALL VERIFY ALL SUBSTRUCTURES ENCOUNTERED DURING CONSTRUCTION.
10. THE CONTRACTOR SHALL SECURE & PAY FOR A BUILDERS RISK POLICY TO COVER THE PERIOD OF CONSTRUCTION. THE ENGINEER & OWNER SHALL BE NAMED AS ADDITIONAL INSURED. ALL CONTRACTORS EMPLOYED AT THE SITE SHALL BE COVERED BY WORKMAN'S COMPENSATION.

GENERAL CONSTRUCTION NOTES:

1. BENCH MARKS USING U.S.G.S. DATUM SHALL BE OF SUCH ELEVATION THAT THE GROUND WILL SLOPE AWAY FROM IT IN ALL DIRECTIONS.
2. CONSTRUCTION ACTIVITY SHALL BE LIMITED FROM 8:00 A.M. TO 6 P.M., AND NO CONSTRUCTION ACTIVITY SHALL OCCUR ON SUNDAYS OR LEGAL NEW YORK STATE HOLIDAYS, WHERE CONSTRUCTION IS NECESSARY, IT SHALL OCCUR FROM MONDAY THROUGH FRIDAY BETWEEN THE HOURS OF 8:00 A.M. AND 6:00 P.M. NO BLASTING SHALL OCCUR ON HOLIDAYS, SATURDAY OR SUNDAY. ALL BLASTING SHALL ALSO BE COMPLETED IN ACCORDANCE WITH THE TOWN OF YORKTOWN AND NEW YORK STATE BLASTING ORDINANCES.
3. ANY SOIL THAT IS UNSUITABLE FOR DEVELOPMENT OF BUILDINGS OR ROADWAYS SHALL BE REMOVED FROM AREAS TO BE DEVELOPED AND SHALL BE DISPOSED OF WITHIN THE SITE IN NEW EMBANKMENTS WHERE STRUCTURAL LOADING, I.E. A BUILDING OR ROADWAY, WILL NOT TAKE PLACE. WHEN CONSTRUCTION IS PROPOSED TO OCCUR IN SPECIFIC AREAS WHERE SOILS ARE OF QUESTIONABLE SUITABILITY, THE PROVIDE SOILS ENGINEER'S REPORTS TO THE TOWN ENGINEER AS REQUIRED BY THE PLANNING BOARD ENGINEER, PRIOR TO THE CONSTRUCTION OF ROADWAYS AND, AS REQUIRED BY THE BUILDING INSPECTOR, PRIOR TO THE ISSUANCE OF A BUILDING PERMIT.
4. NO TOPSOIL SHALL BE REMOVED FROM THE SITE.
5. ROCK OUT STABILIZATION IS TO BE FIELD VERIFIED BY GEOTECHNICAL ENGINEER AND SHALL BE MODIFIED IF REQUIRED.
6. NO CRUSHING/PROCESSING IS PERMITTED ON THE SITE WITHOUT PRIOR APPROVAL BY THE TOWN OF YORKTOWN PLANNING BOARD.

GENERAL STORM DRAINAGE & UTILITY NOTES

1. ALL UTILITIES, INCLUDING ELECTRIC LINES, TELEPHONE, WATER, SANITARY SEWER LINES, AND STORM SEWER LINES SHALL BE LOCATED UNDERGROUND AND SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE TOWN OF YORKTOWN AND THE UTILITY COMPANIES HAVING JURISDICTION.
2. LOCATION OF GAS AND WATER VALVES, ELECTRIC AND TELEPHONE POLES ARE TO BE DETERMINED BY PROPER AUTHORITIES AND APPROVED, AS TO LOCATION, BY THE TOWN ENGINEER.
3. EACH BUILDING CONSTRUCTED HEREON SHALL BE OF SUCH AN ELEVATION THAT THE GROUND WILL SLOPE AWAY FROM IT IN ALL DIRECTIONS. IN THE EVENT THAT THIS IS NOT FEASIBLE, THE CONTRACTOR SHALL INSTALL TYPICAL YARD DRAINS AS REQUIRED AND CONNECT THEM TO THE STORM DRAINAGE SYSTEM OR AS DIRECTED BY THE PROJECT ENGINEER.
4. ROOF LEADERS AND FOOTING DRAINS SHALL EMPTY INTO THE STORM DRAINAGE SYSTEM OR DISCHARGE DIRECTLY TO STORMWATER MANAGEMENT SYSTEMS IF GRADES PERMIT, AND CONNECTION TO THE STORM SYSTEM IS NOT FEASIBLE. FOOTING DRAINS ONLY MAY DISCHARGE TO DAYLIGHT AT THE REAR OF BUILDINGS. FOOTING DRAINS SHALL EXTEND A MINIMUM OF 30 FT. FROM THE REAR FACE OF THE BUILDING WHEN POSSIBLE. UNDER NO CIRCUMSTANCES SHALL THE DISCHARGE OF GROUND WATER OR STORM WATER, EITHER BY PUMPING, BE DISCHARGED TO ANY SANITARY SEWER SYSTEM.
5. ANY REVISIONS AND/OR ADDITIONS TO THE ROAD DRAINAGE SYSTEMS CURRENTLY SHOWN ON THE PLANS WHICH ARE DEEMED NECESSARY DURING CONSTRUCTION MUST BE MADE BY THE CONTRACTOR AS REQUIRED BY THE TOWN AND SHALL BE SHOWN ON THE AS-BUILT DRAWINGS.
6. STORM DRAIN PIPING TO BE HIGH DENSITY POLYETHYLENE AS SHOWN ON THE CONSTRUCTION DRAWINGS. MINIMUM COVER TO BE 2' UNLESS OTHERWISE NOTED.
7. INTERCEPTOR DRAINS ARE TO BE INSTALLED WHERE REQUIRED BY THE TOWN OR PROJECT ENGINEER DURING ROAD CONSTRUCTION.
8. ALL EXISTING UNDERGROUND DRAINS ENCOUNTERED DURING CONSTRUCTION OF PROPOSED ROADS ARE TO BE CONNECTED TO PROPOSED DRAINAGE IMPROVEMENTS. CONNECTIONS TO BE APPROVED BY THE TOWN ENGINEER.
9. PRIOR TO FINAL APPROVAL AND OPERATION OF DRAINAGE SYSTEM, CONTRACTOR SHALL CLEAR ALL ACCUMULATED SEDIMENT AND/OR DEBRIS FROM DRAINAGE STRUCTURES, MANHOLES, CULTVERTS, OUTLETS AND DRAIN INLETS. ENGINEER SHALL BE NOTIFIED FOR FINAL INSPECTION.
10. ALL STRUCTURES SHALL BE SET ONE INCH BELOW PAVEMENT.
11. STREET OPENING PERMIT FROM THE TOWN OF YORKTOWN D.P.W. MAY BE REQUIRED FOR INSTALLATIONS IN PUBLIC ROADS.

WATERMAIN NOTES

I. DISTRIBUTION SYSTEM - WATERMAIN

A. GENERAL

THE CONTRACTOR SHALL PERFORM THE NECESSARY EXCAVATION, BACKFILLING, CLEARING, GRUBBING, SHEETING, SHORING, DO ALL SHAPING OF TRENCHES, PUMPING AND BAILING, LAYING AND JOINING OF ALL PIPES, PROTECT AND SUPPORT EXISTING STRUCTURES AND REPAIR THEM, IF DAMAGED, AND ALL ELSE NECESSARY TO COMPLETE THE WORK.

THE CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT, LABOR, AND TOOLS NECESSARY TO COMPLETE THE WORK IN A SAFE, NEAT, AND WORKMANLIKE MANNER.

B. SITE AND ACCESS CLEARING (WITHIN EASEMENTS)

THE CONTRACTOR SHALL CONFINE ALL CLEARING OPERATIONS TO WITHIN THE IMMEDIATE AREAS THAT ARE ESSENTIAL FOR CONSTRUCTION OF THE WORK.

C. STOCKPIILING OF SUITABLE BACKFILL MATERIAL

THE CONTRACTOR SHALL BE PREPARED WHEN EXCAVATING THE TRENCH TO SEPARATE SUITABLE BACKFILL MATERIAL FROM UNSUITABLE MATERIAL FOR USE AS BACKFILL ADJACENT TO THE PIPE.

D. PROTECTION OF EXISTING STRUCTURES AND UTILITIES

SPECIAL PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT OVERHEAD POWER LINES, WATERMANS, GAS MAINS, ELECTRIC AND TELEPHONE CONDUITS, STORM AND SANITARY SEWERS, CULTVERTS, BUILDINGS AND OTHER EXISTING STRUCTURES IN AND NEAR THE EXCAVATION. IN ALL CASES, WHETHER UNDERGROUND STRUCTURES HAVE OR HAVE NOT BEEN DELINEATED, THE TOWN ENGINEER, WATER SUPERINTENDENT, OR AUTHORIZED REPRESENTATIVE ACCEPTS NO RESPONSIBILITY FOR THEIR LOCATION. "UNDERGROUND UTILITIES" LOCATES EXISTING UNDERGROUND UTILITIES FREE OF CHARGE. THE PHONE NUMBER IS 1-800-245-2828.

GUTTERS, SEWERS, DRAINS AND DITCHES SHALL BE KEPT OPEN AT ALL TIMES FOR SURFACE DRAINAGE. NO DAMMING OR PONDING OF WATER IN GUTTERS OR OTHER WATERWAYS WILL BE PERMITTED EXCEPT WHERE STREAM CROSSINGS ARE NECESSARY AND THEN ONLY TO AN EXTENT WHICH THE TOWN ENGINEER, WATER SUPERINTENDENT, OR AUTHORIZED REPRESENTATIVE SHALL CONSIDER NECESSARY. THE CONTRACTOR SHALL NOT DIRECT ANY FLOW OF WATER ACROSS OR OVER PAVEMENTS EXCEPT THROUGH APPROVED PIPES OR PROPERLY CONSTRUCTED TRENCHES OF SUCH SIZES AND LENGTHS AS MAY BE REQUIRED, AND PLACE THE SAME AS DIRECTED. THE GRADING IN THE VICINITY OF TRENCHES SHALL BE CONTROLLED SO THAT THE GROUND SURFACE IS PROPERLY PITCHED TO PREVENT WATER RUNOFF IN THE TRENCHING. THE CONTRACTOR SHALL NOT COVER OR REMOVE ANY OPERATIONS INVOLVING ANY PUBLIC UTILITY BEFORE HAVING GIVEN WRITTEN NOTICE TO THE COMPANY OR OWNER, OR ITS AGENTS, AND SHALL COOPERATE WITH THE COMPANY'S OR OWNER'S FORCES IN PROTECTING AND PREVENTING DAMAGE TO THE PROPERTY.

THE CONTRACTOR WILL, AT HIS OWN EXPENSE, BE RESPONSIBLE FOR DIRECT OR INDIRECT DAMAGE THAT MAY BE DONE TO ANY UTILITY OR STRUCTURE IN THE PROSECUTION OF HIS WORK. THE LIABILITY OF THE CONTRACTOR IS ABSOLUTE AND IS NOT DEPENDENT UPON ANY QUESTIONS OF NEGLIGENCE ON HIS PART OR ON THE PART OF HIS AGENT, OR EMPLOYEES, AND THE NEGLIGENCE OF THE TOWN ENGINEER, WATER SUPERINTENDENT, OR AUTHORIZED REPRESENTATIVE TO DIRECT THE CONTRACTOR TO TAKE ANY PARTICULAR PRECAUTION OR TO REFRAIN FROM DOING SUCH DAMAGE.

SHOULD THE POSITION OF ANY PIPE, CONDUIT, POLE OR OTHER STRUCTURES, ABOVE OR BELOW THE GROUND, BE SUCH AS TO REQUIRE ITS REMOVAL, REALIGNMENT, OR CHANGE DUE TO WORK TO BE DONE, REALIGNMENT OR CHANGE WILL BE DONE BY OR UNDER SUPERVISION OF THE OWNER OF THE OBSTRUCTIONS. THE CONTRACTOR SHALL UNCOVER AND SUSTAIN THE STRUCTURES, AFTER SUCH REALIGNMENT OR CHANGE.

THE CONTRACTOR SHALL NOT INTERFERE WITH ANY PERSONS, OR WITH THE OWNER IN PROTECTING, REMOVING, CHANGING OR REPLACING THEIR PIPES, CONDUITS, POLES OR OTHER STRUCTURES, BUT HE SHALL SUPER SAID STRUCTURE OR THE OWNER TO TAKE ALL SUCH MEASURES AS THEY MAY DEEM NECESSARY OR ADVISABLE FOR THE PURPOSE AFORESAID, AND THE CONTRACTOR SHALL THEREBY BE IN NO WAY RELIEVED OF ANY OF HIS RESPONSIBILITIES.

THE CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS WITH THE OWNER OF THE RESPECTIVE UTILITY PRIOR TO RELOCATION OR INTERRUPTION OF SERVICE. ALL WORK NECESSARY FOR THE RELOCATION SHALL BE PERFORMED BY THE CONTRACTOR, OR BY THE OWNER AT THE OWNER'S OPTION, AND TO THE SATISFACTION OF THE OWNER, WHERE SERVICE IS INTERRUPTED, THE CONTRACTOR SHALL COOPERATE IN RESTORING SERVICE PROMPTLY. ALL CHARGES FOR DAMAGES DONE TO UTILITIES SHALL BE PAID BY THE CONTRACTOR.

E. CONSTRUCTION OF ROAD RIGHT-OF-WAY

CONSTRUCTION IN THE ROAD RIGHT-OF-WAY SHALL AT ALL TIMES BE PERFORMED WITH MINIMUM DISTURBANCE TO TRAFFIC WITH SUFFICIENT BARRICADES AND DIRECTION. DETOURS CAN BE INSTITUTED WITH APPROVAL OF THE TOWN ENGINEER, WATER SUPERINTENDENT, OR AUTHORIZED REPRESENTATIVE, OR STATE, COUNTY, OR LOCAL AUTHORITIES. PAVEMENT SHALL BE CUT PRIOR TO REMOVAL. HOLES AND SETTLEMENTS IN THE TRENCHES SHALL BE IMMEDIATELY FILLED TO THE ORIGINAL GRADE ELEVATION WITH THE SPECIFIED MATERIALS.

F. EXCAVATION AND PREPARATION OF TRENCH

THE CONTRACTOR SHALL PROCEED WITH CAUTION IN THE EXCAVATION AND PREPARATION OF THE TRENCH SO THAT THE EXACT LOCATION OF UNDERGROUND STRUCTURES, BOTH KNOWN AND UNKNOWN, MAY BE DETERMINED. THE TRENCH SHALL BE EXCAVATED SO THAT THE PIPE CAN BE LAID TO THE ALIGNMENT AND DEPTH REQUIRED. MINIMUM DEPTH OF COVER FROM SURFACE OF GROUND TO TOP OF PIPE BARREL SHALL BE FOUR FEET (4'). NO TRENCH SHALL BE EXCAVATED MORE THAN FIVE HUNDRED LINEAL FEET (500' LN) IN ADVANCE OF PIPE LAYING UNLESS AUTHORIZED BY THE TOWN ENGINEER, WATER SUPERINTENDENT, OR AUTHORIZED REPRESENTATIVE. THE TRENCH SHALL BE SO BRACED AND DRAINED THAT THE WORKMEN MAY WORK THEREIN SAFELY AND EFFICIENTLY. IT IS ESSENTIAL THAT THE DISCHARGE OF THE TRENCH DEWATERING PUMPS BE CONDUCTED TO NATURAL DRAINAGE CHANNELS OR DRAINS, AS IN ACCORDANCE WITH OSHA REQUIREMENTS.

THE WIDTH OF THE TRENCH SHALL BE OF ADEQUATE SIZE TO PERMIT THE PIPE TO BE LAID AND JOINED PROPERLY, BUT SHALL NOT EXCEED THE SUM OF TWENTY-FOUR INCHES(24") PLUS THE PIPE OUTSIDE DIAMETER, AND THE BACKFILL TO BE PLACED AND COMPACTED AS SPECIFIED.

LEDGE ROCK, BOULDERS AND LARGE STONES SHALL BE REMOVED TO PROVIDE A CLEARANCE OF AT LEAST SIX INCHES (6") BELOW AND ON EACH SIDE OF ALL PIPES AND FITTINGS.

THE TRENCH SHALL BE EXCAVATED TO THE DEPTH REQUIRED SO AS TO PROVIDE A UNIFORM AND CONTINUOUS BEARING AND SUPPORT FOR THE PIPE ON SOLID AND UNDISTURBED GROUND AT EVERY POINT. WHERE THE BOTTOM OF THE TRENCH AT A SUBGRADE IS FOUND TO BE UNSTABLE, OR TO INCLUDE ASHES, CINDERS, ALL TYPES OF REFUSE, VEGETABLE OR OTHER ORGANIC MATERIAL OR LARGE PICES OF FRAGMENTS OR INORGANIC MATERIAL WHICH IN THE JUDGEMENT OF THE TOWN ENGINEER, WATER SUPERINTENDENT, OR AUTHORIZED REPRESENTATIVE SHOULD BE REMOVED. THE CONTRACTOR SHALL EXCAVATE AND REMOVE SUCH UNSUITABLE MATERIAL TO THE WIDTH AND DEPTH ORDERED BY THE TOWN ENGINEER, WATER SUPERINTENDENT, OR AUTHORIZED REPRESENTATIVE.

ANY PART OF THE BOTTOM OF THE TRENCH EXCAVATED BELOW THE SPECIFIED GRADE SHALL BE CORRECTED WITH APPROVED BEDDING MATERIAL, SUCH AS THOROUGHLY COMPACTED CRUSHED STONE, GRAVEL, OR CONCRETE AS DIRECTED BY THE TOWN ENGINEER, WATER SUPERINTENDENT, OR AUTHORIZED REPRESENTATIVE. THE FINISHED SUBGRADE SHALL BE PREPARED ACCURATELY BY MEANS OF HAND TOOLS.

GENERAL WATER MAIN NOTES:

1. ALL PROPOSED WATERMAIN MATERIALS, CONSTRUCTION AND INSTALLATION SHALL CONFORM TO ALL APPLICABLE RULES AND REGULATIONS OF THE TOWN OF YORKTOWN WATER DEPARTMENT AND THE WESTCHESTER COUNTY HEALTH DEPARTMENT STANDARDS AND SPECIFICATIONS. CONSTRUCTION MUST BE UNDER THE SUPERVISION OF A LICENSED AND REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW YORK WHO SHALL FURNISH A CERTIFICATE OF CONSTRUCTION COMPLIANCE AND TWO (2) SETS OF AS-BUILT PLANS AFTER THE COMPLETION OF THE PROJECT.
2. THE RECORDS OF THE TOWN OF YORKTOWN INDICATE THAT THERE IS ADEQUATE WATER PRESSURE AND CAPACITY AS REQUIRED TO SERVE THIS PROJECT.
3. ALL BACKFLOW PREVENTION DEVICES ASSOCIATED WITH THE FIRE AND DOMESTIC SERVICES FOR EACH OF THE PROPOSED OFFICE SPACES IN THE TYPE "B" UNITS SHALL BE LOCATED INTERNAL TO THE BUILDING AND SHALL REQUIRE SEPARATE APPROVAL BY THE WESTCHESTER COUNTY DEPARTMENT OF HEALTH.
4. ALL FIRE AND DOMESTIC SERVICE CONNECTIONS FROM THE PROPOSED WATER MAIN SHALL BE INSTALLED WITH WET TAPS AFTER THE CONTRACTOR HAS INSTALLED THE MAIN AND IT HAS BEEN APPROVED BY THE TOWN OF YORKTOWN WATER DEPARTMENT AND THE WESTCHESTER COUNTY DEPARTMENT OF HEALTH.
5. THE CONTRACTOR IS ADVISED THAT BEFORE HE CONNECTS TO THE EXISTING WATER SYSTEM, HE MUST ADVISE AND COORDINATE HIS OPERATIONS WITH THE TOWN OF YORKTOWN WATER DEPARTMENT'S SUPERINTENDENT. MEANS AND METHODS USED TO CONNECT TO THE EXISTING SERVICE SHALL BE APPROVED BY THE TOWN AND SHALL INCLUDE BUT NOT BE LIMITED TO WET TAPS OR OTHERWISE.
6. THE CONTRACTOR IS TO MAINTAIN CONSTANT FLOW AND PRESSURE IN ALL WATER MAINS AT ALL TIMES. IF THE NEED SHOULD ARISE THAT WATER SERVICE IS TO BE INTERRUPTED FOR A SHORT PERIOD, IT MUST BE COORDINATED WITH AND APPROVED BY THE ENGINEER AND THE TOWN OF YORKTOWN SUPERINTENDENT OF WATER.
7. WATER MAINS CROSSING HOUSE SEWERS, STORM SEWERS OR SANITARY SEWERS SHALL BE LAID TO PROVIDE A VERTICAL SEPARATION OF A MINIMUM OF 18" BETWEEN THE BOTTOM OF WATER MAIN AND TOP OF SEWER.
8. WATER MAINS PASSING UNDER HOUSE SEWERS: IN ADDITION, SHALL BE PROTECTED BY PROVIDING A VERTICAL SEPARATION OF 18" MINIMUM FROM THE BOTTOM OF THE SEWER TO THE TOP OF THE WATER MAIN AND ADEQUATE STRUCTURAL SUPPORT FOR THE SEWER TO PREVENT EXCESSIVE DEFLECTION OF THE JOINTS AND THE SEWER SETTLING AND BREAKING THE WATER MAIN. IN ADDITION THE LENGTH OF WATER PIPE IS TO BE CENTERED AT THE POINT OF CROSSING SO THAT THE JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE SEWER. NO WATER MAIN SHALL PASS THROUGH OR COME IN CONTACT WITH ANY PART OF A SEWER OR SEWER MANHOLE.
9. THE COVER OVER THE TOP OF THE WATER MAIN SHALL BE A MINIMUM OF 4 FEET TO A MAXIMUM OF 5.5 FT.
10. WATER MAINS SHALL BE CLASS 52 DUCTILE IRON PIPES (DIP) TYTON JOINT TYPE AND FITTINGS SHALL BE FACTORY CEMENT LINED CLASS 52. ALL FITTINGS SHALL HAVE MECHANICAL JOINTS AND SHALL BE PRESSURE RATED AT 250 PSI. ALL NECESSARY JOINT MATERIALS SHALL BE FURNISHED. WATER MAINS SHALL BE INSTALLED IN ACCORDANCE WITH AWWA STANDARDS, LATEST REVISION.
11. ALL GATE VALVES SHALL BE MUELLER RESILIENT WEDGE (TURN LEFT OPEN) TYPE AND SHALL MEET AWWA STANDARDS, LATEST REVISION.
12. ALL SERVICE CONNECTIONS AND SMALL DIAMETER EXTENSIONS SHALL CONFORM TO AWWA C-915.
13. RETAINER GLANDS AND CONCRETE THRUST BLOCKS OR RODS SHALL BE USED AT ALL LOCATIONS WHERE RESTRAINTS EXIST.
14. INSTALLATION AND TESTING OF THE WATER MAIN SHALL BE INSPECTED BY THE WESTCHESTER COUNTY DEPARTMENT OF HEALTH. THE CONTRACTOR SHALL PROVIDE THE HEALTH DEPARTMENT A MINIMUM 48 HOURS NOTICE PRIOR TO ANY PRESSURE/LEAKAGE TESTS AND/OR DISINFECTION AND BACTERIOLOGICAL TESTS PERFORMED ON THE PROPOSED WATER MAIN. THE RESULTS OF THE ABOVE TESTS MUST BE ACCEPTED BY THE WCHD PRIOR TO USE OF THE MAIN.
15. ASBUILT DRAWINGS SHALL SHOW DIMENSIONS BETWEEN ALL VALVE TURNING NUTS AND FINISH GRADE.
16. INSTALLATION, DISINFECTION AND TESTING TO BE WITNESSED AND CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER OR TOWN OF YORKTOWN ENGINEER.
17. ALL HYDRANTS AND VALVES SHALL BE AS MANUFACTURED BY THE MUELLER COMPANY.
18. THE FINAL LOCATIONS OF FIRE HYDRANTS AND SIAMISE CONNECTIONS SHALL BE DETERMINED BY AND COORDINATED WITH THE TOWN OF YORKTOWN FIRE DEPARTMENT.
19. IF, DURING CONSTRUCTION, IT IS FOUND THAT THE REQUIRED SEPARATION OF WATER MAINS, SANITARY SEWERS, STORM SEWERS, AND BUILDING SEWERS CANNOT BE MET, THE DEVELOPER OR HIS AUTHORIZED REPRESENTATIVE SHALL CONTACT THE WESTCHESTER COUNTY DEPARTMENT OF HEALTH. APPROVAL BY THE WCHD IS REQUIRED PRIOR TO ANY FIELD CHANGES THAT WILL AFFECT MINIMUM WATER/SEWER SEPARATION DISTANCES.
20. ALL TYPES OF INSTALLED PIPE SHALL BE PRESSURE TESTED AND LEAKAGE TESTED IN ACCORDANCE WITH THE LATEST EDITION OF AWWA STANDARD C-600.
21. ALL NEW, CLEANED OR REPAIRED WATER MAINS SHALL BE DISINFECTED AND BACTERIOLOGICAL TESTING PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF AWWA STANDARD C-651-05 (EXCEPT FOR SECTION 4.4.2 WHICH IS NOT APPROVABLE), THE SPECIFICATIONS INCLUDE DETAILED PROCEDURES FOR THE ADEQUATE FLUSHING, DISINFECTION, AND MICRO-BIOLOGICAL TESTING OF ALL WATER MAINS.
22. ROAD OPENINGS SHALL BE DONE IN ACCORDANCE WITH CONDITIONS OF PERMIT, AND COORDINATED WITH THE TOWN OF YORKTOWN.
23. PRIOR TO COMPLETION AND PRIOR TO USE, TWO (2) SETS OF AS-BUILT PLANS AND ACCEPTABLE BACTERIOLOGICAL SAMPLE AND WATER MAIN HYDROSTATIC TEST RESULTS MUST BE SUBMITTED ALONG WITH THE DESIGN PROFESSIONAL'S CERTIFICATION OF CONSTRUCTION.

SANITARY SEWER NOTES:

1. ALL WORK TO BE DONE IN ACCORDANCE WITH THE CODE OF THE TOWN OF YORKTOWN AND THE REGULATIONS OF THE WESTCHESTER COUNTY DEPARTMENT OF HEALTH.
2. SANITARY MANHOLES/CLEANOUT MANHOLES SHALL BE PRECAST CONCRETE.
3. ALL WORK SHALL BE MANUFACTURED IN ACCORDANCE WITH APPROVED STANDARDS AND SHALL BE SPACED A MAXIMUM DISTANCE OF 300' ON STRAIGHT RUNS AND INSTALLED AT EVERY CHANGE IN ALIGNMENT. MANHOLE POSITIONING SHALL BE AS TO PREVENT THE ENTRANCE OF SURFACE WATER DURING STORMS. MANHOLE RIMS ARE TO BE WATER TIGHT IN AREAS SUBJECT TO POSSIBLE FLOODING CONDITIONS.
4. ALL BUILDING LATERALS TO BE INSTALLED BY PLUMBERS, LICENSED IN THE TOWN OF YORKTOWN ACCORDING TO THE REQUIREMENTS OF THE TOWN OF YORKTOWN.
5. SANITARY SEWER CONSTRUCTION SHALL MEET ALL SEWER CONSTRUCTION SPECIFICATIONS FOR THE TOWN OF YORKTOWN.
6. THE TOWN ENGINEER SHALL BE NOTIFIED 48 HOURS PRIOR TO THE START OF ANY WORK.
7. A CODE 53 SHALL BE CALLED BEFORE THE START OF ANY EXCAVATION WORK.
8. A STREET OPENING PERMIT SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO ANY WORK BEING STARTED IN PUBLIC ROADS.
9. ALL SEWERS SHALL BE LAID AT LEAST 10 FT HORIZONTALLY FROM ANY EXISTING OR PROPOSED WATER MAIN. THE DISTANCE SHALL BE MEASURED EDGE TO EDGE. IN CASES WHERE IT IS IMPRACTICAL TO MAINTAIN A 10 FOOT SEPARATION, THE WESTCHESTER COUNTY DEPARTMENT OF HEALTH MAY ALLOW DEVIATION ON A CASE-BY-CASE BASIS, IF SUPPORTED BY DATA FROM THE DESIGN ENGINEER.
10. MANHOLE STEPS SHALL BE CAST IRON NEMAHD NO. R-1981-0 OR CAMPBELL FOUNDRY NO. 2588-1 OR POLYPROPYLENE COATED STEEL (SEE SPECIFICATIONS) OR APPROVED EQUAL.
11. UNLESS OTHERWISE SPECIFIED, SANITARY SEWER MANHOLES SHALL HAVE THE LETTERS "SEWER" CAST ON THE COVER.
12. MANHOLE COVERS AND STRUCTURES SHALL MEET OR EXCEED A.S.T.M. AND O.S.H.A. REQUIREMENTS AND MUST BE RATED FOR H-20 LOADING. MANHOLES MUST BE MIN. 48" DIAMETER.
13. ALL SANITARY STRUCTURES SHALL RECEIVE 2 MIL COATS OF BITUMINOUS MATERIAL "INERTOL NO. 49" KOPPERS SUPER SERVICE BLACK OR APPROVED EQUAL, APPLIED IN ACCORDANCE WITH MANUFACTURERS' SPECIFICATIONS.
14. BRING JOINTS TO CONFORM TO A.S.T.M. DESIGNATION C-443 LATEST REVISION. JOINTS TO BE MORTARED INSIDE AND OUT USING NON-SHRINKING MORTAR.
15. PRE-CAST MANHOLE SECTIONS TO BE IN ACCORDANCE WITH "PRE-CAST REINFORCED CONCRETE MANHOLE SECTIONS" A.S.T.M. DESIGNATION C-478, LATEST REVISION, MINIMUM COMPRESSIVE STRENGTH TO BE 4000 P.S.I.
22. WHERE SEWER MAIN IS TO BE INSTALLED 10' DEEP OR GREATER, PVC SDR-26 SHALL BE USED.
16. WHEN SEWER IS TO BE INSTALLED IN FILL MATERIAL, THE SUPPORTING FILL IS TO BE COMPACTED TO MINIMUM STANDARD PROCTOR DENSITY OF 95%, AND SHALL BE CERTIFIED TO THE TOWN.
17. WATER MAINS CROSSING HOUSE SEWERS, STORM SEWERS OR SANITARY SEWERS SHALL BE LAID TO PROVIDE A VERTICAL SEPARATION OF A MINIMUM OF 18" BETWEEN THE BOTTOM OF WATER MAIN AND TOP OF SEWER. IN ADDITION, ADEQUATE STRUCTURAL SUPPORT SHALL BE PROVIDED FOR THE SEWER TO PREVENT EXCESSIVE DEFLECTION OF THE JOINTS AND THE SEWER SETTLING AND BREAKING THE WATER MAIN. IN ADDITION THE LENGTH OF WATER PIPE IS TO BE CENTERED AT THE POINT OF CROSSING SO THAT THE JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE SEWER. NO WATER MAIN SHALL PASS THROUGH OR COME IN CONTACT WITH ANY PART OF A SEWER OR SEWER MANHOLE.
18. MANHOLES AND SANITARY SEWER LINES SHALL BE TESTED TO CONFORM WITH WESTCHESTER COUNTY DEPARTMENT OF HEALTH RULES AND REGULATIONS AND AS PER SANITARY SEWER TESTING NOTES BELOW.
19. THE WESTCHESTER COUNTY DEPARTMENT OF HEALTH SHALL BE PROVIDED A 48 HOUR NOTICE PRIOR TO THE TESTING OF THE INSTALLED UTILITIES TO ALLOW WITNESSING OF TESTING BY THE DEPARTMENT.
20. ALL INSTALLATIONS AND TESTING SHALL BE IN ACCORDANCE WITH ASTM STANDARDS F-1417, C-1244 AND THE NEW YORK STATE STANDARD 1427347-1997.

SANITARY SEWER TESTING

PROCEDURE AND METHOD OF TESTING - THE TEST LENGTH INTERVALS AND TYPE OF LEAKAGE TEST SHALL BE APPROVED BY THE OWNER'S FIELD REPRESENTATIVE AND SITE ENGINEER. IN THE CASE OF SEWER AID ON STEEP GRADES, THE LENGTH OF LINE TO BE TESTED BY EXFILTRATION AT ANY ONE TIME MAY BE LIMITED BY THE MAXIMUM ALLOWABLE INTERNAL PRESSURE ON THE PIPE AND JOINTS AT THE LOWER END OF THE LINE. THE WCHD SHALL BE NOTIFIED 48 HRS IN ADVANCE SO THEY MAY WITNESS THE TESTING DEPENDING ON FIELD CONDITIONS AND/OR DESIRE OF THE CONTRACTOR. THE FOLLOWING TESTS FOR LEAKAGE MAY BE EMPLOYED:

1. HYDROSTATIC TEST - THE TEST PERIOD, WHEREIN THE MEASUREMENTS ARE TAKEN SHALL NOT BE LESS THAN FOUR (4) HOURS IN EITHER TYPE OF TEST. THE TOTAL LEAKAGE OF ANY SECTION TESTED SHALL NOT EXCEED THE RATE OF 100 GALLONS PER MILE OF PIPE PER 24 HOURS PER INCH OF NOMINAL PIPE DIAMETER. FOR PURPOSES OF DETERMINING THE MAXIMUM ALLOWABLE LEAKAGE, MANHOLES SHALL BE CONSIDERED AS SECTIONS OF PIPE AND SHALL BE TESTED AT A LEVEL ABOVE THE HIGHEST JOINT PRIOR TO THE CONCRETE/RIM CONNECTION.
 - (i) INFILTRATION TEST - THIS TEST MAY BE USED ONLY WHEN GROUND WATER LEVELS ARE AT LEAST TWO (2) FEET ABOVE THE TOP OF THE PIPE FOR THE ENTIRE LENGTH OF THE SECTION TO BE TESTED DURING THE ENTIRE PERIOD OF THE TEST. GROUND WATER LEVELS MAY BE MEASURED IN AN OPEN TRENCH OR IN STANDPIPES PREVIOUSLY PLACED IN BACKFILLED TRENCHES DURING THE BACKFILLING OPERATIONS. WHEN STANDPIPES ARE INSTALLED IN THE BACKFILL FOR GROUND WATER MEASUREMENT, THE LOWER ENDS OF THESE SHALL BE SATISFACTORILY EMBEDDED IN A MASS OF CRUSHED STONE OR GRAVEL TO MAINTAIN FREE PERCOLATION AND DRAINAGE. INFILTRATION THROUGH JOINTS SHALL BE MEASURED BY USING A WATERTIGHT WEIR OR ANY OTHER APPROVED DEVICE FOR VOLUMETRIC MEASUREMENT INSTALLED AT THE LOWER END OF THE SECTION UNDER TEST.
 - (ii) EXFILTRATION TEST - THIS TEST CONSISTS OF FILLING THE PIPE WITH WATER TO PROVIDE A HEAD OF AT LEAST TWO (2) FEET ABOVE THE TOP OF THE PIPE OR TWO (2) FEET ABOVE GROUND WATER, WHICHEVER IS HIGHER, AT THE HIGHEST POINT OF THE PIPE LINE UNDER TEST, AND THEN MEASURING THE LOSS OF WATER FROM THE LINE BY THE AMOUNT WHICH MUST BE ADDED TO MAINTAIN THE ORIGINAL LEVEL. IN THIS TEST THE LINE MUST REMAIN FILLED WITH WATER FOR AT LEAST TWENTY-FOUR (24) HOURS PRIOR TO THE TAKING OF MEASUREMENTS. EXFILTRATION SHALL BE MEASURED BY THE DROP OF WATER LEVEL IN A CLOSED-END STANDPIPE OR IN ONE OF THE SEWER MANHOLES AVAILABLE FOR CONVENIENT MEASURING.
 - WHEN A STANDPIPE AND PLUG ARRANGEMENT IS USED IN THE UPPER MANHOLE OF A LINE UNDER TEST, THERE MUST BE SOME POSITIVE METHOD OF RELEASING ENTRAPPED AIR IN THE SEWER PRIOR TO TAKING MEASUREMENTS.
2. VACUUM TESTING OF MANHOLES - TESTED AS PER ASTM STANDARD C-1244 THIS TEST METHOD IS ONLY APPLICABLE TO PRECAST CONCRETE MANHOLES. ALL LIFTING HOLES AND EXTERIOR JOINTS SHALL BE FILLED AND POINTED WITH AN APPROVED NON-SHRINKING MORTAR. NO STANDING WATER SHALL BE ALLOWED IN THE MANHOLE EXCAVATION WHICH MAY AFFECT THE ACCURACY OF THE TEST. ALL PIPES AND OTHER OPENINGS INTO THE MANHOLE SHALL BE SUITABLY PLUGGED IN SUCH A MANNER AS TO PREVENT DISPLACEMENT OF THE PLUGS WHILE THE VACUUM IS DRAWN. INSTALLATION AND OPERATION OF THE VACUUM EQUIPMENT AND INDICATING DEVICES SHALL BE IN ACCORDANCE WITH EQUIPMENT SPECIFICATIONS AND INSTRUCTIONS PROVIDED BY THE MANUFACTURER.

THE TEST HEAD MAY BE PLACED IN THE CONE SECTION OF THE MANHOLE. THE RIM-CONE JOINT IS NOT USUALLY TESTED. A VACUUM OF 10 INCHES OF MERCURY SHALL BE DRAWN. THE TIME FOR THE VACUUM TO DROP TO 9 INCHES OF MERCURY SHALL BE RECORDED. ACCEPTANCE FOR 4 FT. DIAMETER MANHOLES SHALL BE DEFINED AS WHEN THE TIME TO DROP TO 9 INCHES OF MERCURY MEETS OR EXCEEDS THE FOLLOWING:

	FOR MANHOLES 5 FT. IN DIAMETER, ADD AN ADDITIONAL 15 SECONDS;
	FOR MANHOLES 6 FT. IN DIAMETER, ADD AN ADDITIONAL 30 SECONDS.
	TO THE TIME REQUIREMENTS FOR FOUR FOOT DIAMETER MANHOLES.

3. LOW-PRESSURE AIR TEST OF PIPE LINES - TESTED PER ASTM STANDARD F-1417, PLUG ALL OPENINGS IN THE TEST SECTION. ADD AIR UNTIL THE INTERNAL PRESSURE OF THE LINE IS RAISED TO APPROXIMATELY 4.0 PSI. AFTER THIS PRESSURE IS REACHED ALLOW THE PRESSURE TO STABILIZE. THE PRESSURE WILL NORMALLY DROP AS THE AIR TEMPERATURE STABILIZES. THIS USUALLY TAKES 2 TO 5 MIN. DEPENDING ON THE PIPE SIZE. THE PRESSURE MAY BE REDUCED TO 3.5 PSI BEFORE STARTING THE TEST.

WHEN THE PRESSURE HAS STABILIZED AND IS AT OR ABOVE THE STARTING TEST PRESSURE OF 3.5 PSI, START THE TEST. IF THE PRESSURE DROPS MORE THAN 1.0 PSI DURING THE TEST TIME, THE LINE IS PRESUMED TO HAVE FAILED THE TEST. IF A 1.0-PSI DROP DOES NOT OCCUR WITHIN THE TEST TIME, THE LINE HAS PASSED THE TEST.

TEST TIMES ARE FOR A 1.0 PSI PRESSURE DROP FROM 3.5 TO 2.5 PSI. IF THE SECTION OF LINE TO BE TESTED INCLUDES MORE THAN ONE PIPE SIZE, CALCULATE THE TEST TIME FOR EACH SIZE AND ADD THE TEST TIMES TO ARRIVE AT THE TOTAL TEST TIME FOR THE SECTION. MINIMUM TEST TIMES FOR VARIOUS PIPE SIZES IN INCHES ARE AS FOLLOWS:

SIZE (INCHES)	TIME (MIN./100 FT.)
UP TO 8	1.2
10	1.5
12	1.8

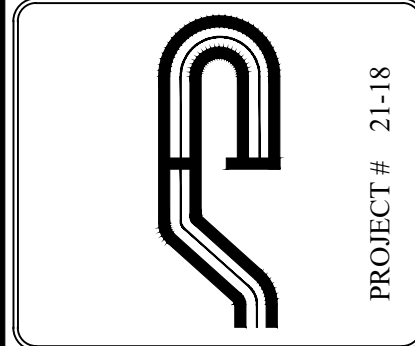
4. DEFLECTION TESTING OF PIPES-

IN ACCORDANCE WITH THE TEN STATES "RECOMMENDED STANDARDS FOR WASTEWATER FACILITIES -SECTION 33.85"-LATEST EDITION.

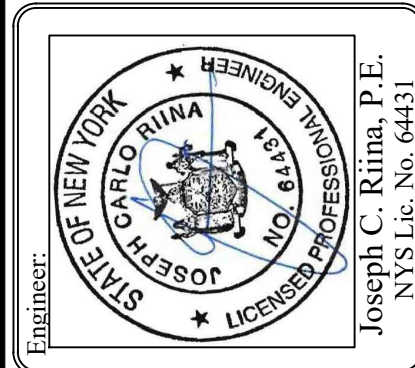
- A. DEFLECTION TESTS SHALL BE PERFORMED ON ALL FLEXIBLE PIPE. THE TEST SHALL BE CONDUCTED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS TO PERMIT STABILIZATION OF THE SOIL-PIPE SYSTEM.
- B. NO PIPE SHALL EXCEED A DEFLECTION OF 5 PERCENT. IF DEFLECTION EXCEEDS 5 PERCENT, THE PIPE SHALL BE EXCAVATED. REPLACEMENT OR CORRECTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH REQUIREMENTS IN THE APPROVED SPECIFICATIONS.
- C. THE RIGID BALL OR MANDREL SPECIFIED FOR THE DEFLECTION TEST SHALL HAVE A DIAMETER NOT LESS THAN 95 PERCENT OF THE BASE INSIDE DIAMETER OR AVERAGE INSIDE DIAMETER OF THE PIPE DEPENDING ON WHICH IS USED IN THE ASTM SPECIFICATION, INCLUDING THE APPENDIX, TO WHICH THE PIPE IS MANUFACTURED. THE TEST SHALL BE PERFORMED WITHOUT MECHANICAL PULLING DEVICES.

LEGEND

	EXISTING GRADING
	EXISTING SPOT GRADE
	PROPOSED GRADING
	PROPERTY LINE / RIGHT OF WAY
	PROPOSED ROAD CENTERLINE
	PROPOSED CURB
	EDGE OF WETLAND
	100' WETLAND BUFFER
	EXISTING WATER LINE
	EXISTING FIRE HYDRANT
	PROPOSED FIRE HYDRANT
	CONSERVATION EASEMENT LINE
	APPROX. AREA OF ROCK OUTCROP
	EXISTING STONE WALL
	EXISTING STONE WALLS TO BE REMOVED
	EXISTING DRAINAGE INLET
	EXISTING SANITARY LINE
	EXISTING HEADWALL
	PROPOSED DRAINAGE LINE
	PROPOSED CATCH BASIN
	PROPOSED DRAINAGE MANHOLE
	PROPOSED OUTLET STRUCTURE
	PROPOSED FOOTING WALL WITH RIP RAP
	PROPOSED ROOF DRAIN
	PROPOSED LOW PRESSURE SEWER
	PROPOSED SEWER FORCE MAIN
	PROPOSED SEWER SERVICE CONNECTION
	PROPOSED WATER MAIN
	PROPOSED WATER SERVICE CONNECTION
	PROPOSED UNDERGROUND ELECTRIC SERVICE
	PROPOSED GAS SERVICE
	PROPOSED UTILITY CROSSING
	PROPOSED SANITARY MANHOLE AND LINE
	PROPOSED LIGHT POST
	AREA OF POTENTIAL BLASTING
	PROPOSED HOUSE AND DRIVE
	PROPOSED SOIL STOCKPILES
	PROPOSED SILT FENCE
	PROPOSED CRUSHED STONE INLET PROTECTION
	PROPOSED STABILIZED CONSTRUCTION ENTRANCE
	PROPOSED LIMIT OF DISTURBANCE



Site Design Consultants
Civil Engineers • Land Planners
251-F Underhill Avenue, Yorktown Heights, NY 10598
(914) 962-4488 - Fax: (914) 962-7386
www.sitedesignconsultants.com



Revisions:	
No.	Date
1	10/7/21
2	2/21/23
3	12/11/23
4	2/29/24

No.	Date	Comments
1	10/7/21	Plan Revisions
2	2/21/23	Tree Update
3	12/11/23	Tree Update
4	2/29/24	CB Comments

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

NOTES

SITE PLAN

CONSTRUCTION SEQUENCE:

GENERAL SEQUENCE: THE GENERAL SEQUENCE APPLIES TO THE START OF ALL PHASES OF THE PROJECT. THE REQUIREMENTS IN SUCH SHALL BE APPLIED AS APPROPRIATE IN THAT PHASE AND SHALL BE ASSUMED IN PLACE PRIOR TO THE START OF THE WORK OUTLINED IN THE SEQUENCE FOR EACH PHASE.

- 1. PRIOR TO THE BEGINNING OF ANY SITE WORK THE MAJOR FEATURES OF THE CONSTRUCTION MUST BE FIELD STAKED BY A LICENSED SURVEYOR. THESE INCLUDE THE BUILDINGS, LIMITS OF DISTURBANCE, UTILITY LINES, AND STORMWATER PRACTICES. STORMWATER PRACTICES SHALL BE FENCED OFF TO PREVENT DISTURBANCE TO THE UNDERLYING SOILS.
2. PRIOR TO THE START OF THE PROJECT, AN ON-SITE PRE-CONSTRUCTION MEETING WILL BE HELD. THIS WILL BE ATTENDED BY THE PROJECT OWNER, THE OPERATOR RESPONSIBLE FOR COMPLYING WITH THE APPROVED CONSTRUCTION DRAWINGS INCLUDING THE EROSION AND SEDIMENT CONTROL (E&S) PLAN AND DETAILS, THE DESIGN ENGINEER, THE ENGINEER RESPONSIBLE FOR E&S MONITORING DURING CONSTRUCTION, TOWN REPRESENTATIVES FROM THE ENGINEERING DEPARTMENT AND CODE ENFORCEMENT.
3. CUT AND CLEAR TREES WITHIN THE PHASE LIMITS AS NECESSARY FOR THE AREAS TO BE DISTURBED. INSTALL TREE PROTECTIVE MEASURE AT MARKED LOCATIONS ON E&S PLAN.
4. INSTALL ALL TEMPORARY EROSION CONTROL MEASURES AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN FOR THE PROJECT'S IMMEDIATE DISTURBANCE AREAS. THIS SHALL INCLUDE, BUT NOT LIMITED TO SILT FENCE, STABILIZED CONSTRUCTION ENTRANCES, DIVERSION SWALES, SEDIMENT TRAPS, CONSTRUCTION FENCE, ETC. THIS SEQUENCE MUST BE FOLLOWED TO INSURE PROPER IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN (E&S) AND STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
5. TIMBERED TREES AND WOODCHIPS SHALL BE TEMPORARILY STORED IN THE STOCKPILE AND/OR STAGING AREA IF NECESSARY, BEFORE BEING REMOVED OFF-SITE. WOODCHIPS MAY BE USED FOR MULCH TO STABILIZE DISTURBED AREAS. WOODCHIP MULCH SHALL BE APPLIED AT A MINIMUM RATE OF 500 LBS. PER 1000 SF (2" THICK MINIMUM).
6. REMOVE EXISTING VEGETATIVE COVER, CUT AND CLEAR TREES, GRUB, REMOVE STUMPS AND OTHER SURFACE FEATURES IN THE LIMIT OF CONSTRUCTION ONCE ANY DISTURBANCE THAT RESULTS FROM TREE CLEARING AND GRUBBING SHALL BE IMMEDIATELY STABILIZED WITH WOODCHIPS MULCH, HYDRO-MULCH, OR STRAW AND SEED. TIMBERED TREES, WOOD CHIPS, AND STUMPS SHALL BE REMOVED OFF-SITE UNLESS OTHERWISE DIRECTED. AS STATED WOODCHIPS MAY BE STOCKPILED FOR USE AS STABILIZING GROUND COVER. DEMOLISH AND/OR REMOVE EXISTING FEATURES, I.E.: FENCE, CONCRETE SLAB, ASPHALT ETC., AND DISPOSE OF OR STOCKPILE AS REQUIRED BY THE OWNER. ALL CONSTRUCTION DEBRIS SHALL BE PROPERLY DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS.

PHASE 1: PROJECT INFRASTRUCTURE

- 1. ESTABLISH MAIN ROAD ENTRANCE AND INSTALL THE STABILIZED CONSTRUCTION ENTRANCE.
2. CLEAR THE AREA FOR THE PROPOSED ROAD AND THE TO THE EXTENTS SHOWN ON THE PLAN. INSTALL PERIMETER EROSION CONTROL PRACTICES. SILT FENCING SHALL BE INSTALLED AT THE BASE OF SLOPES PARALLEL TO CONTOURS AS SHOWN ON THE PLAN.
3. BEGIN INSTALLATION OF THE DRAINAGE SYSTEM. DO NOT CONNECT THE OUTLET TO THE INFILTRATION SYSTEM FROM THE BYPASS STRUCTURE.
4. BEGIN EXCAVATION FOR THE ROUGH GRADE OF THE PROPOSED ROADWAY AND THE PROPOSED INFILTRATION BASIN TO THE EXTENTS SHOWN ON THE PLANS. CLEARING SHALL ONLY OCCUR WITHIN THE LIMITS OF DISTURBANCE FOR PHASE 1. ESTABLISH THE ELEVATION FOR INSTALLATION OF ROAD BASE. EROSION CONTROL MEASURES SHALL BE INSTALLED SIMULTANEOUSLY WITH CLEARING AND GRADING. WHEN COMPLETED INSTALL EROSION BLANKETS ON SLOPES EXCEEDED 3H:1V. INSTALL WATER BARS ALONG AS SHOWN ON THE PLANS.
5. INSTALL WATER MAIN MAIN AND CONNECT TO THE EXISTING MAIN IN STONY STREET AND SOUTH SHELLEY STREET. FOR EACH SERVICE CONNECTION EXTEND SERVICE AT LEAST 5' BEYOND THE EDGE OF PAVEMENT AND INSTALL CURB BOX. SERVICE CONNECTIONS SHALL CONTINUE FROM THE CURB BOX DURING THE INDIVIDUAL LOT CONSTRUCTION.
6. INSTALL SEWER MAIN AND CONNECT TO THE MANHOLE STONY STREET. FOR EACH SERVICE CONNECTION EXTEND SERVICE AT LEAST 5' BEYOND THE EDGE OF PAVEMENT AND CAP THE SERVICE LINE. SERVICE CONNECTIONS SHALL CONTINUE FROM THE CAP DURING THE INDIVIDUAL LOT CONSTRUCTION.
7. UPON COMPLETION OF THE DRAINAGE AND UTILITIES, INSTALL THE ASPHALT PAVEMENT BASE COURSE OVER THE ROADWAY AND DRIVEWAY. BACKFILL TO GRADE, PLACE FINAL SOIL TOPPING AND PUT IN PLACE PERMANENT VEGETATIVE COVER OVER ALL DISTURBED AREAS, LANDSCAPE BEDS, SLOPES, ETC.
8. DURING SITE CONSTRUCTION MAINTAIN AND RE-ESTABLISH AS REQUIRED EROSION CONTROL AND STABILIZATION MEASURES AS REQUIRED BY THE SITE PLAN AND DETAILS.
9. CONNECT THE INFILTRATION BASIN TO THE UPSTREAM BYPASS STRUCTURE AS SHOWN ON THE PLAN. RUNOFF WILL BE BLOCKED FROM ENTERING THE INFILTRATION BASIN UNTIL FINAL STABILIZATION.
10. ONCE ALL AREAS HAVE ACHIEVED FINAL GRADES, ANY REMAINING STOCKPILED MATERIAL SHALL BE REMOVED FROM THE SITE WITHIN 24 HRS.
11. ONCE SITE STABILIZATION HAS TAKEN PLACE (AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM UNIFORM 80% PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS), REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROLS. UNPLUG THE DRAINAGE SYSTEM TO ALLOW RUNOFF TO ENTER THE STORMWATER MANAGEMENT SYSTEM. THIS SHALL BE DONE DURING OPTIMUM WEATHER CONDITIONS IF POSSIBLE TO AVOID SEDIMENT TRANSPORT. THIS WORK SHALL NOT OCCUR IF PRECIPITATION IS FORECASTED DURING THE WORK. DURING CONSTRUCTION OF LOTS 1-10, THE INFILTRATION SYSTEM FOR THE ROAD SHALL BE INSPECTED MONTHLY AND AFTER MAJOR STORM EVENTS TO ENSURE SEDIMENT FROM CONSTRUCTION DOES NOT ENTER THE SYSTEM. ANY SEDIMENT DEPOSITS WILL BE REMOVED.
12. UPON STABILIZATION OF ALL DISTURBED AREAS AND APPROVAL FROM THE TOWN REPRESENTATIVE REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROLS.

PHASE 2: INDIVIDUAL LOTS

EACH LOT WILL BE CONSTRUCTED INDIVIDUALLY. THE LOTS MAY BE CONSTRUCTED IN ANY PARTICULAR ORDER. AT NO ONE TIME SHALL MORE THAN 5 ACRES BE DISTURBED.

- 1. PREPARE THE INDIVIDUAL LOT FOR CONSTRUCTION BY INSTALLING ALL TEMPORARY PERIMETER EROSION AND SEDIMENT CONTROLS (E&S) AS SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS.
2. ESTABLISH THE DRIVEWAY ENTRANCE AND INSTALL THE STABILIZED CONSTRUCTION ENTRANCE.
3. REMOVE EXISTING VEGETATIVE COVER AND OTHER SURFACE FEATURES IN THE LIMIT OF CONSTRUCTION ONLY FOR WORK TO BE IMMEDIATELY DONE AND WITHIN THE LIMITS OF PHASE 2. APPLY STABILIZATION MEASURES AS DESCRIBED IN THE GENERAL SEQUENCE. SILT FENCING SHOULD BE INSTALLED AT THE BASE OF SLOPES, AND STOCKPILES SHALL BE PLACED IN THE LOCATIONS SHOWN ON THE PLAN.
4. ROUGH GRADE DRIVEWAY AND INSTALL EROSION AND SEDIMENT CONTROLS AS NEEDED. SLOPES IN EXCESS OF 3:1 SHALL BE STABILIZED USING EROSION BLANKETS.
5. DURING SITE CONSTRUCTION MAINTAIN AND RE-ESTABLISH AS REQUIRED EROSION CONTROL AND STABILIZATION MEASURES AS REQUIRED BY THE SITE PLAN AND DETAILS. REMOVE ANY SEDIMENT TRACK ON ROADWAY FROM CONSTRUCTION VEHICLES AS NEEDED.
6. EXCAVATE FOR AND INSTALL FOUNDATION. UPON COMPLETION OF FOUNDATION WALLS BACKFILL AND GRADE THE REMAINDER OF THE LOT.
7. BEGIN CONSTRUCTION OF THE REMAINDER OF THE BUILDING.
8. ONCE THE NECESSARY CONNECTIONS HAVE BEEN CONSTRUCTED WITHIN THE BUILDING, BEGIN THE INSTALLATION OF THE SEWER AND WATER CONNECTIONS FOR THE LOTS. THESE SHALL ONLY BE CONSTRUCTED IN THE LOCATIONS SHOWN ON THE PLANS.
9. INSTALL ALL UNDERGROUND UTILITIES. INSTALL THE DRAINAGE SYSTEM AND RAIN GARDENS. FOR THE RAIN GARDENS EXCAVATE TO ELEVATION SHOWN ON PLAN AND INSTALL BASE COURSE OF GRAVEL. INSTALL FILTER MEDIA AND OUTLET STRUCTURE AND INSTALL OUTLET PROTECTION AT ALL OUTLETS. BACKFILL AS NEEDED. ENTRY POINTS TO DRAINAGE SYSTEM SHALL BE BLOCKED UNTIL SITE IS STABLE. ALL EROSION CONTROLS SHALL REMAIN IN PLACE.
10. INSTALL BASE COURSE MATERIAL FOR DRIVEWAY.
11. TOPSOIL, RAKE, SEED AND MULCH ALL DISTURBED AREAS.
12. INSTALL WALKS, FENCES, OTHER SITE IMPROVEMENTS AND FINAL PLANTINGS.
13. ONCE SITE STABILIZATION HAS TAKEN PLACE (AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM UNIFORM 80% PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS), REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROLS. UNPLUG THE DRAINAGE SYSTEM TO ALLOW RUNOFF TO ENTER THE STORMWATER MANAGEMENT SYSTEM. THIS SHALL BE DONE DURING OPTIMUM WEATHER CONDITIONS IF POSSIBLE TO AVOID SEDIMENT TRANSPORT. THIS WORK SHALL NOT OCCUR IF PRECIPITATION IS FORECASTED DURING THE WORK.
14. UPON STABILIZATION OF ALL DISTURBED AREAS AND APPROVAL FROM THE TOWN REPRESENTATIVE REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROLS.

WINTER STABILIZATION NOTES:

IF CONSTRUCTION ACTIVITIES ARE EXPECTED TO EXTEND INTO OR OCCUR DURING THE WINTER SEASON THE CONTRACTOR SHALL ANTICIPATE PROPER STABILIZATION AND SEQUENCING. CONSTRUCTION SHALL BE SEQUENCED SUCH THAT WHEREVER POSSIBLE AREAS OF DISTURBANCE THAT CAN BE COMPLETED AND PERMANENTLY STABILIZED SHALL BE DONE BY APPLYING AND ESTABLISHING PERMANENT VEGETATIVE COVER BEFORE THE FIRST FROST. AREAS SUBJECT TO TEMPORARY DISTURBANCE THAT WILL NOT BE WORKED FOR AN EXTENDED PERIOD OF TIME SHALL BE TREATED WITH TEMPORARY SEED, MULCH, AND/OR EROSION BLANKETS.

THE RESPONSIBLE PARTY DURING AND AFTER CONSTRUCTION IS AS FOLLOWS:

JOHN COLANGELO
1133 WESTCHESTER AVE. SUITE N-006
WHITE PLAINS, NY 10604
347-231-6959

GENERAL EROSION CONTROL NOTES:

- 1. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL SEDIMENT AND EROSION CONTROL PRACTICES. THE SEDIMENT AND EROSION CONTROL PRACTICES ARE TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCES, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED. ROAD SURFACE FLOWS FROM THE SITE SHOULD BE DISSIPATED WITH TRACKING PAD OR APPROPRIATE MEASURES DURING ADJACENT ROAD SHOULDER REGRADING. CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL DEVICES THROUGHOUT THE COURSE OF CONSTRUCTION.
2. CATCH BASIN INLET PROTECTION MUST BE INSTALLED AND OPERATING AT ALL TIMES UNTIL TRIBUTARY AREAS HAVE BEEN STABILIZED. WHEN POSSIBLE FLOWS SHOULD BE STABILIZED BEFORE REACHING INLET PROTECTION STRUCTURE. TIMELY MAINTENANCE OF SEDIMENT CONTROL STRUCTURES IS THE RESPONSIBILITY OF THE CONTRACTOR.
3. ALL STRUCTURES SHALL BE MAINTAINED IN GOOD WORKING ORDER AT ALL TIMES. THE SEDIMENT LEVEL IN ALL SEDIMENT TRAPS SHALL BE CLOSELY MONITORED AND SEDIMENT REMOVED PROMPTLY WHEN MAXIMUM LEVELS ARE REACHED OR AS ORDERED BY THE ENGINEER. ALL SEDIMENT CONTROL STRUCTURES SHALL BE INSPECTED ON A REGULAR BASIS, AND AFTER EACH HEAVY RAIN TO INSURE PROPER OPERATION AS DESIGNED. AN INSPECTION SCHEDULE SHALL BE SET FORTH PRIOR TO THE START OF CONSTRUCTION.
4. THE LOCATIONS AND THE INSTALLATION TIMES OF THE SEDIMENT CAPTURING STANDARDS SHALL BE AS SPECIFIED IN THESE PLANS, AS ORDERED BY THE ENGINEER, AND IN ACCORDANCE WITH THE LATEST EDITION OF THE "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL" (NYSSESC).
5. ALL TOPSOIL SHALL BE PLACED IN A STABILIZED STOCKPILE FOR REUSE ON THE SITE. ALL STOCKPILE MATERIAL REQUIRED FOR FINAL GRADING AND STORED ON SITE SHALL BE TEMPORARILY SEEDED AND MULCHED WITHIN 7 DAYS. REFER TO SOIL STOCKPILE DETAILS.
6. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 7 DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, SHALL IMMEDIATELY RECEIVE TEMPORARY SEEDING. MULCH SHALL BE USED IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER. DISTURBED AREAS SHALL NOT BE LIMED AND FERTILIZED PRIOR TO TEMPORARY SEEDING.
7. IN AREAS WHERE SOIL DISTURBANCE ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED, THE APPLICATION OF SOIL STABILIZATION MEASURES MUST BE INITIATED BY THE END OF THE NEXT BUSINESS DAY AND COMPLETED WITHIN SEVEN (7) DAYS FROM THE DATE THE CURRENT SOIL DISTURBANCE ACTIVITY CEASED.
8. ALL DISTURBED AREAS WITHIN 500 FEET OF AN INHABITED DWELLING SHALL BE WETTED AS NECESSARY TO PROVIDE DUST CONTROL.
9. THE CONTRACTOR SHALL KEEP THE ROADWAYS WITHIN THE PROJECT CLEAR OF SOIL AND DEBRIS AND IS RESPONSIBLE FOR ANY STREET CLEANING NECESSARY DURING THE COURSE OF THE PROJECT.
10. SEDIMENT AND EROSION CONTROL STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED BY PERMANENT MEASURES.
11. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH CURRENT EDITION OF NYSSESC.
12. ALL REGRADED AREAS MUST BE STABILIZED APPROPRIATELY PRIOR TO ANY ROCK BLASTING, CUTTING, AND/OR FILLING OF SOILS. SPECIAL CARE SHOULD BE TAKEN DURING CONSTRUCTION TO INSURE STABILITY DURING MAINTENANCE AND INTEGRITY OF CONTROL STRUCTURES.
13. ANY SLOPES GRADED AT 3:1 OR GREATER SHALL BE STABILIZED WITH EROSION BLANKETS TO BE STAKED INTO PLACE IN ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS. EROSION BLANKETS MAY ALSO BE REQUIRED AT THE DISCRETION OF TOWN OFFICIALS OR PROJECT ENGINEER. WHEN STABILIZED BLANKET IS UTILIZED FOR CHANNEL STABILIZATION, PLACE ALL OF THE VOLUME OF SEED MIX PRIOR TO LAYING NET, OR AS RECOMMENDED BY THE MANUFACTURER.
14. TO PREVENT HEAVY CONSTRUCTION EQUIPMENT AND TRUCKS FROM TRACKING SOIL OFF-SITE, CONSTRUCT A PERVIOUS CRUSHED STONE PAD. LOCATE AND CONSTRUCT PADS AS DETAILED IN THESE PLANS.
15. CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST BY SPRINKLING EXPOSED SOIL AREAS PERIODICALLY WITH WATER AS REQUIRED. CONTRACTOR TO SUPPLY ALL EQUIPMENT AND WATER.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION INSPECTIONS AS PER NYSDEC GP-0-20-001 AND TOWN OF YORKTOWN CODE.

MAINTENANCE OF TEMPORARY EROSION AND SEDIMENT CONTROL STRUCTURES:

N.Y.S.D.E.C. GP-0-15-002 EXPOSURE RESTRICTIONS - STATES THAT ANY EXPOSED EARTHWORK SHALL BE STABILIZED IN ACCORDANCE WITH THE GUIDELINES OF THIS PLAN.

- 1. TREES AND VEGETATION SHALL BE PROTECTED AT ALL TIMES AS SHOWN ON THE DETAIL DRAWING AND AS DIRECTED BY THE ENGINEER.
2. CARE SHOULD BE TAKEN SO AS NOT TO CHANNEL CONCENTRATED RUNOFF THROUGH THE AREAS OF CONSTRUCTION ACTIVITY ON THE SITE.
3. FILL AND SITE DISTURBANCES SHOULD NOT BE CREATED WHICH CAUSES WATER TO POND OFF SITE OR ON ADJACENT PROPERTIES.
4. RUNOFF FROM LAND DISTURBANCES SHALL NOT BE DISCHARGED OR HAVE THE POTENTIAL TO DISCHARGE OFF SITE WITHOUT FIRST BEING INTERCEPTED BY A CONTROL STRUCTURE, SUCH AS A SEDIMENT TRAP OR SILT FENCE. SEDIMENT SHALL BE REMOVED BEFORE EXCEEDING 50% OF THE RETENTION STRUCTURE'S CAPACITY.
5. FOR FINISHED GRADING, ADEQUATE GRADE SHALL BE PROVIDED SO THAT WATER WILL NOT POND ON LAWNS FOR MORE THAN 24 HOURS AFTER RAINFALL. EXCEPT IN SWALE FLOW AREAS WHICH MAY DRAIN FOR AS LONG AS 48 HOURS AFTER RAINFALL.
6. ALL SWALES AND OTHER AREAS OF CONCENTRATED FLOW SHALL BE PROPERLY STABILIZED WITH TEMPORARY CONTROL MEASURES TO PREVENT EROSION AND SEDIMENT TRAVEL. SURFACE FLOWS OVER CUT AND FILL AREAS SHALL BE STABILIZED AT ALL TIMES.
7. ALL SITES SHALL BE STABILIZED WITH EROSION CONTROL MATERIALS WITHIN 7 DAYS OF FINAL GRADING.
8. TEMPORARY SEDIMENT TRAPPING DEVICES SHALL BE REMOVED FROM THE SITE WITHIN 30 DAYS OF FINAL STABILIZATION.

MAINTENANCE SCHEDULE:

Table with 7 columns: Maintenance Type, Frequency, Monthly, After Rainfall, Necessary to Maintain Function, After Approval of Inspector. Rows include Silt Fence, Stabilized Const. Ent., Sediment Trap, Soil Stockpile, Dewatering Pit, and Outlet/Inlet Structures & Protection.

POST CONSTRUCTION MAINTENANCE SCHEDULE:

Table with 4 columns: Control to be Inspected, Inspection Frequency, Maintenance Threshold Criteria, Maintenance Procedure. Rows include Drain Inlets, Infiltration Basin, Downstream Defender, Rain Garden, Swale and Channels.

MAINTENANCE OF PERMANENT CONTROL STRUCTURES DURING CONSTRUCTION:

The stormwater management system and outlet structure shall be inspected on a regular basis and after every rainfall event. Sediment build up shall be removed from the inlet protection regularly to insure detention capacity and proper drainage. Outlet structure shall be free of obstructions. All piping and drain inlets shall be free of obstruction. Any sediment build up shall be removed.

MAINTENANCE OF CONTROLS AFTER CONSTRUCTION:

Controls (including respective outlet structures) should be inspected periodically for the first few months after construction and on an annual basis thereafter. They should also be inspected after major storm events.

DEBRIS AND LITTER REMOVAL:

Twice a year, inspect outlet structure and drain inlets for accumulated debris. Also, remove any accumulations during each mowing operation.

STRUCTURAL REPAIR/REPLACEMENT:

Outlet structure must be inspected twice a year for evidence of structural damage and repaired immediately.

EROSION CONTROL:

Unstable areas tributary to the basin shall immediately be stabilized with vegetation or other appropriate erosion control measures.

SEDIMENT REMOVAL:

Sediment should be removed after it has reached a maximum depth of five inches above the stormwater management system floor.

TOPSOIL:

Existing topsoil will be removed and stored in piles sufficiently as to avoid mixing with other excavation. Stockpiles shall be surrounded by erosion control as outlined on these plans. The furnishing of new topsoil shall be of a better or equal to the following criteria (SS713.01 NYSDOT):

- 1. The pH of the material shall be 5.5 to 7.6.
2. The organic content shall not be less than 2% or more than 70%.
3. Gradation: SIEVE SIZE, % PASSING BY WGT., 2 INCH, 100, 1 INCH, 85 TO 100, 1/4 INCH, 65 TO 100, NO. 200 MESH, 20 TO 80

PERMANENT VEGETATIVE COVER:

- 1. Site preparation:
1.1. Install erosion control measures.
1.2. Scarify compacted soil areas.
1.3. Lime as required to pH 6.5.
1.4. Fertilize with 10-6-4 4 lbs/1,000 S.F.
1.5. Incorporate amendments into soil with disc harrow.
2. Seed mixtures for use on swales and cut and fill areas.
MIXTURE, LBS./ACRE, ALT. A, KENTUCKY BLUE GRASS 20, CREEPING RED FESCUE 28, RYE GRASS OR REDTOP 5, ALT. B, CREEPING RED FESCUE 20, REDTOP 2, TALL FESCUE/SMOOTH BLOOMGRASS 20

3. SEEDING

- 3.1. Prepare seed bed by raking to remove stones, twigs, roots and other foreign material.
3.2. Apply soil amendments and integrate into soil.
3.3. Apply seed uniformly by cyclone seeder culti-packer or hydro-seeder at rate indicated.
3.4. Stabilize seeded areas in drainage swales.
3.5. Irrigate to fully saturate soil layer, but not to dislodge planting soil.
3.6. Seed between April 1st and May 15th or August 15th and October 15th.
3.7. Seeding may occur May 15th and August 15th if adequate irrigation is provided.

TEMPORARY VEGETATIVE COVER:

SITE PREPARATION:

- 1. Install erosion control measures.
2. Scarify areas of compacted soil.
3. Fertilize with 10-10-10 at 400/acre.
4. Lime as required to pH 6.5.

SEED SPECIES:

Table with 2 columns: MIXTURE, LBS./ACRE. Rows include Rapidly germinating annual ryegrass (20), Perennial ryegrass (20), Cereal oats (36).

SEEDING:

Same as permanent vegetative cover

OWNER / OPERATOR CERTIFICATION

"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. FURTHER, I HEREBY CERTIFY THAT THE SWPPP MEETS ALL FEDERAL, STATE, AND LOCAL EROSION AND SEDIMENT CONTROL REQUIREMENTS. I AM AWARE THAT FALSE STATEMENTS MADE HEREIN ARE PUNISHABLE AS A CLASS A MISDEMEANOR PURSUANT TO SECTION 210.45 OF THE PENAL LAW."

NAME (PLEASE PRINT):

TITLE:

DATE:

ADDRESS:

PHONE:

E-MAIL:

SIGNATURE:

CONTRACTOR CERTIFICATION STATEMENT

Certification Statement - All contractors and subcontractors as identified in a SWPPP, by the Owner or Operator, in accordance with Part III.A.5 of the SPDES General Permit for Stormwater Runoff from Construction Activity, GP-0-20-001, dated January 12, 2015, Page 10 of 40, shall sign a copy of the following Certification Statement before undertaking any construction activity at the Site identified in the SWPPP:

"I hereby certify that I understand and agree to comply with the terms and conditions of the SWPPP and agree to implement any corrective actions identified by the Qualified Inspector during a site inspection. I also understand that the Owner or Operator must comply with the terms and conditions of the New York State Pollutant Discharge Elimination System ("SPDES") General Permit for Stormwater Discharge from Construction Activities and that it is unlawful for any person to cause or contribute to a violation of water quality standards. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings."

Individual Contractor: _____

Name and Title (please print): _____

Signature of Contractor: _____

Company / Contracting Firm: _____

Name of Company: _____

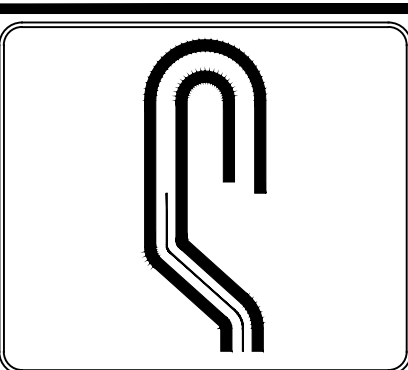
Address of Company: _____

Telephone Number / Cell Number: _____

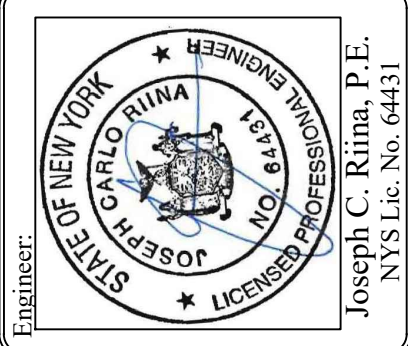
Site Information: _____

Address of Site: _____

Today's Date: _____



Site Design Consultants
Civil Engineers • Land Planners
251-J Underhill Avenue, Yorktown Heights, NY 10598
(914) 962-4488 - Fax: (914) 962-7386
www.sitedesignconsultants.com



Revisions table with columns: No., Date, Comments. Rows include 1, 10/7/21, Plan Revisions; 2, 2/21/23, Tree Update; 3, 12/11/23, Tree Update; 4, 2/29/24, CB Comments

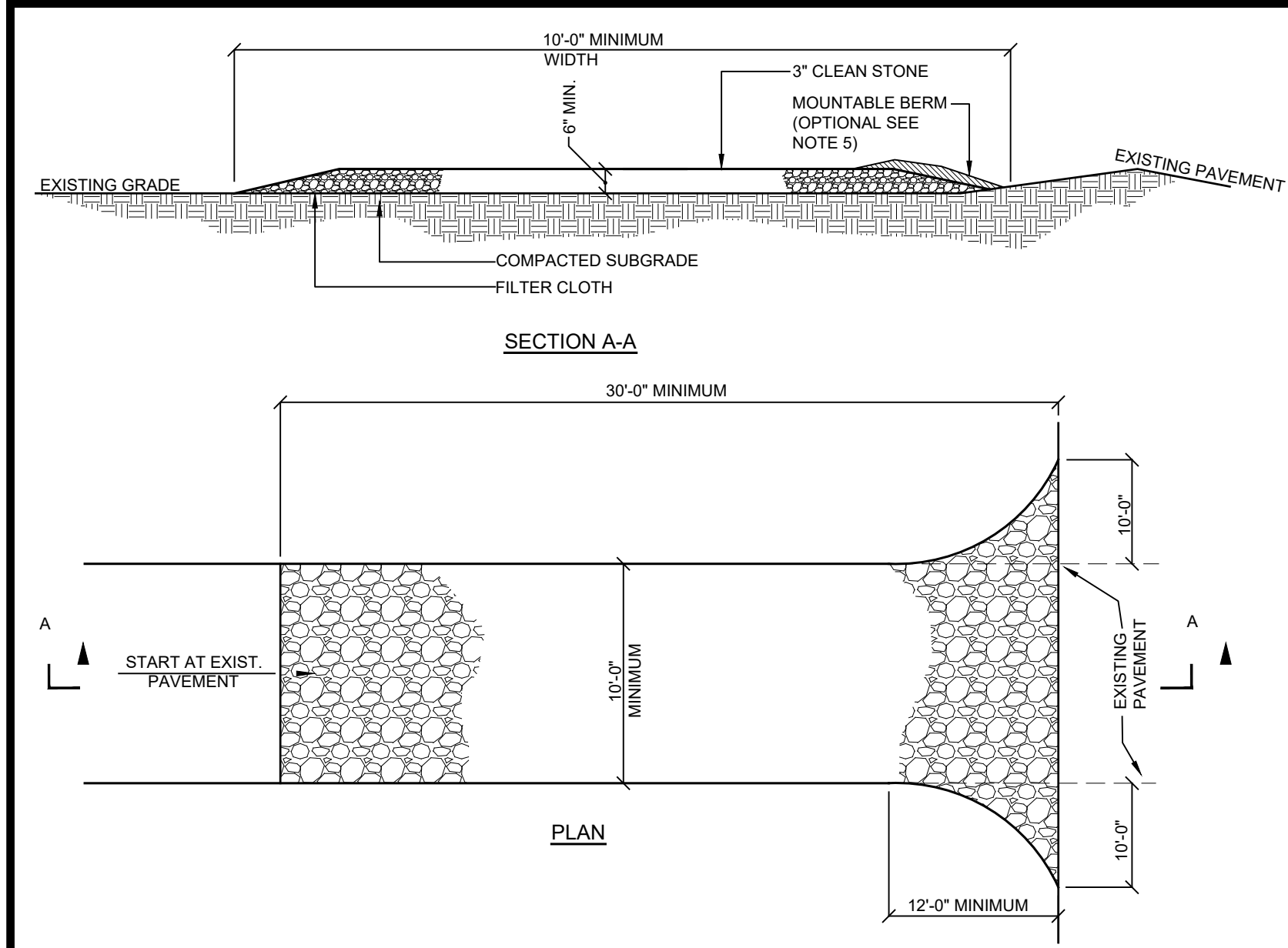
Scale, Drawn By, Date information: SCALE: N.T.S., DRAWN BY: TK, DATE: 5/7/21

E&S NOTES

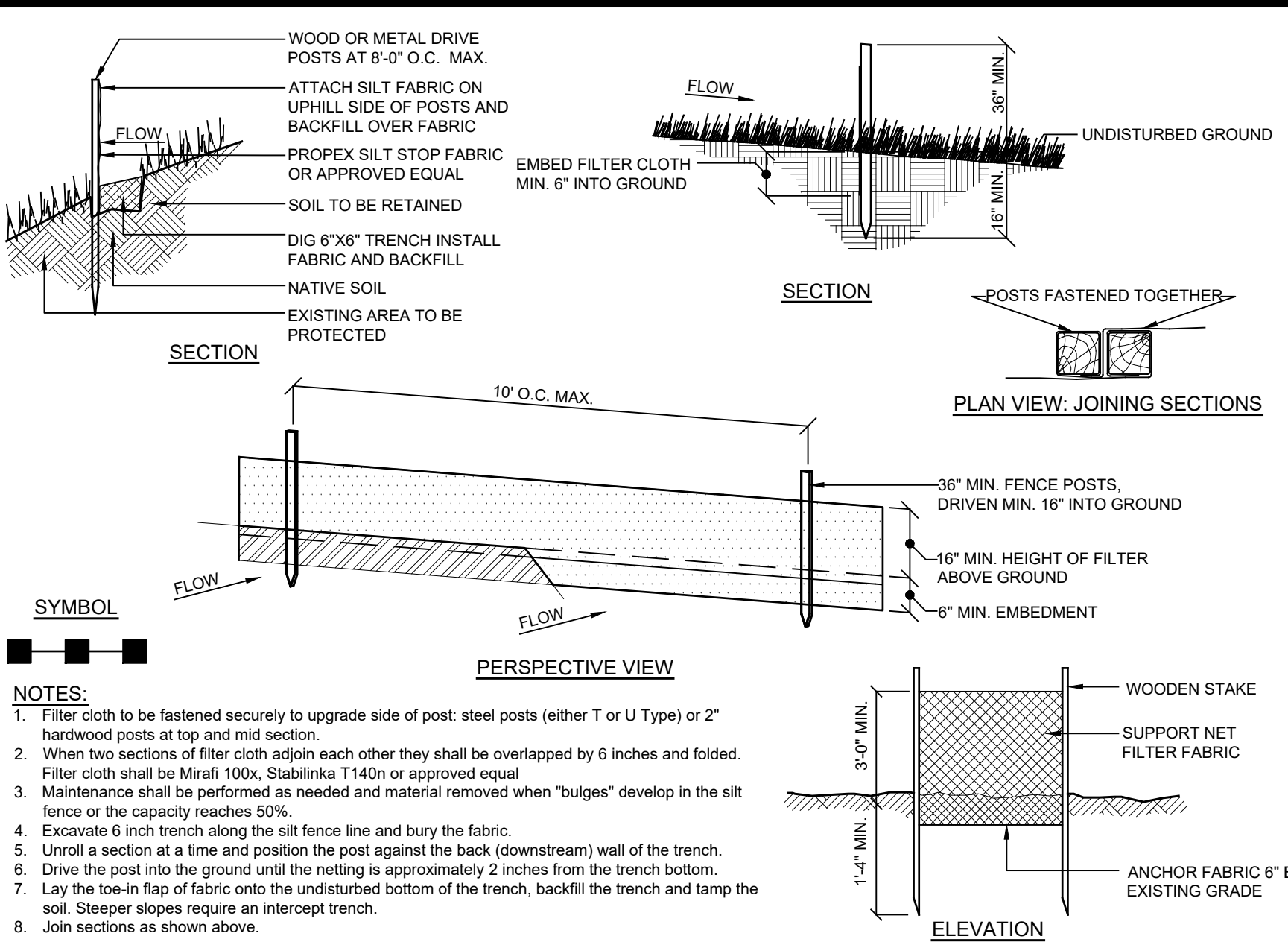
SITE PLAN PREPARED FOR NIKOLLA GRISHAJ 3319 STONY STREET Town Of Yorktown Westchester County, New York

16:02/2021.18.GRISHAJ-I-1-STONY STREET-2118.DETAILS-1118.DETAILS-9.30.21.DWG

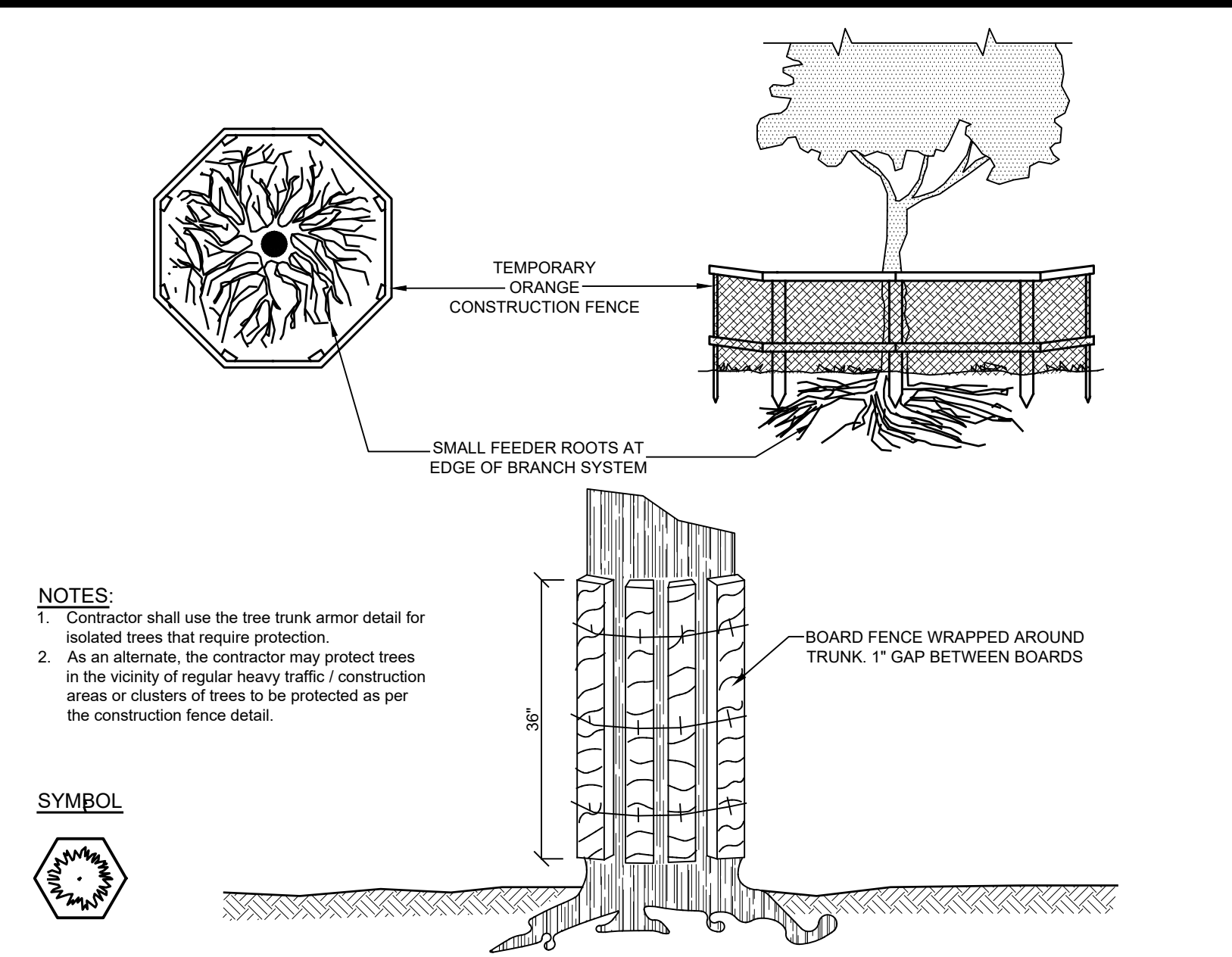
NOTE: UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209 (2)(F) OF THE NEW YORK STATE EDUCATION LAW.



- 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 mounded 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, Stablinka 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.

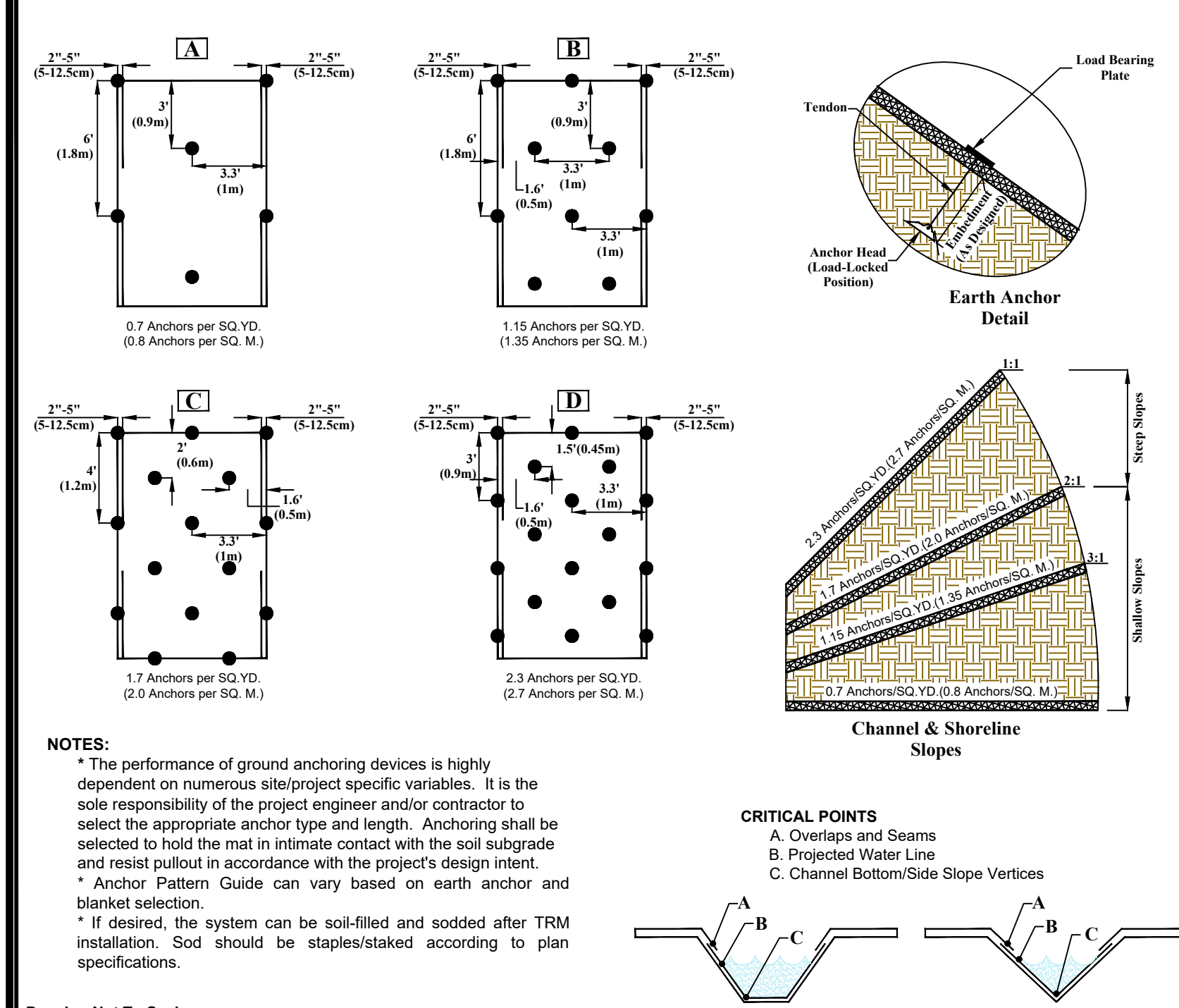


- NOTES:**
- Contractor shall use the tree trunk armor detail for isolated trees that require protection.
 - As an alternate, the contractor may protect trees in the vicinity of regular heavy traffic / construction areas or clusters of trees to be protected as per the construction fence detail.

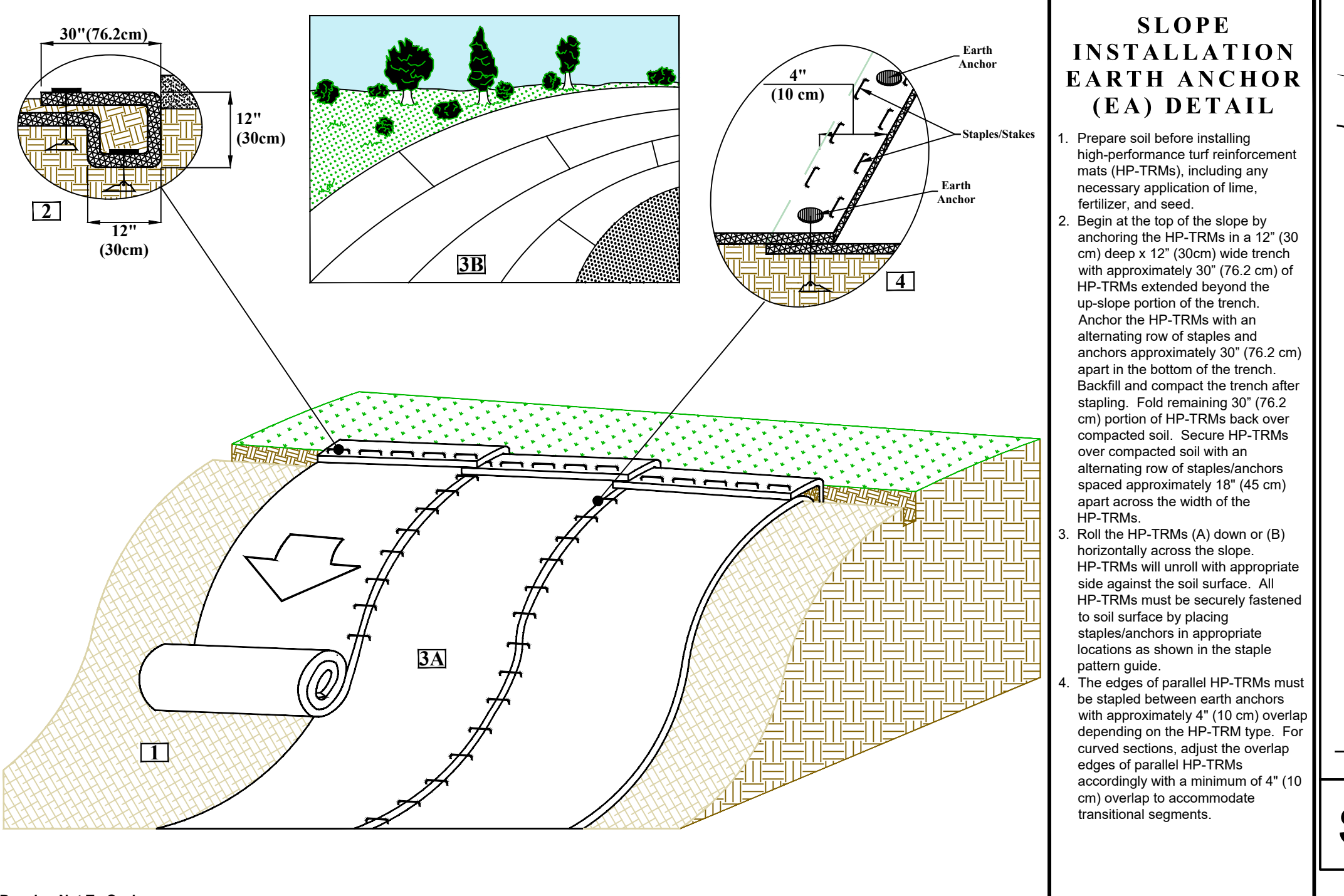
E-1 STABILIZED CONSTRUCTION ENTRANCE DETAIL
NOT TO SCALE

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-TRM (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.



- 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 12" (30 cm) deep x 12" (30cm) wide trench with approximately 30" (76.2 cm) of HP-TRMs extended beyond the up-slope portion of the trench. Anchor the HP-TRMs with an alternating row of staples and anchors approximately 30" (76.2 cm) apart in the bottom of the trench. Backfill and compact the trench after stapling. Fold remaining 30" (76.2 cm) portion of HP-TRMs back over compacted soil. Secure HP-TRMs over compacted soil with an alternating row of staples/anchors spaced approximately 18" (45 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/anchors in appropriate locations as shown in the staple pattern guide.
 - The edges of parallel HP-TRMs must be stapled between earth anchors with approximately 4" (10 cm) overlap depending on the HP-TRM type. For curved sections, adjust the overlap edges of parallel HP-TRMs accordingly with a minimum of 4" (10 cm) overlap to accommodate transitional segments.

NOTES:

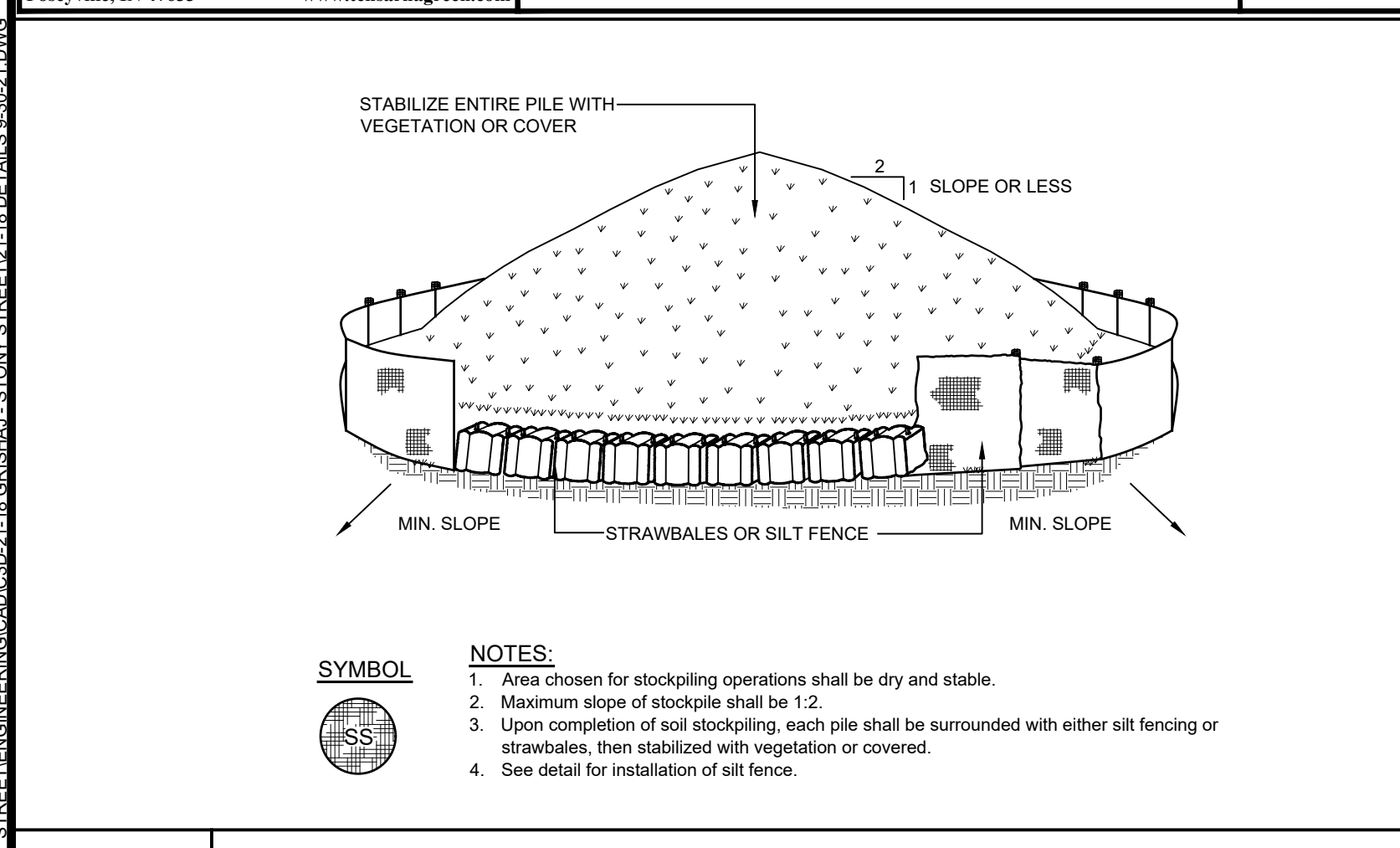
- The performance of ground anchoring devices is highly dependent on numerous site/project specific variables. It is the sole responsibility of the project engineer and/or contractor to select the appropriate anchor type and length. Anchoring shall be selected to hold the mat in intimate contact with the soil subgrade and resist pullout in accordance with the project's design intent.
- Anchor Pattern Guide can vary based on earth anchor and blanket selection.
- If desired, the system can be soil-filled and sodded after TRM installation. Sod should be staples/staked according to plan specifications.

CRITICAL POINTS

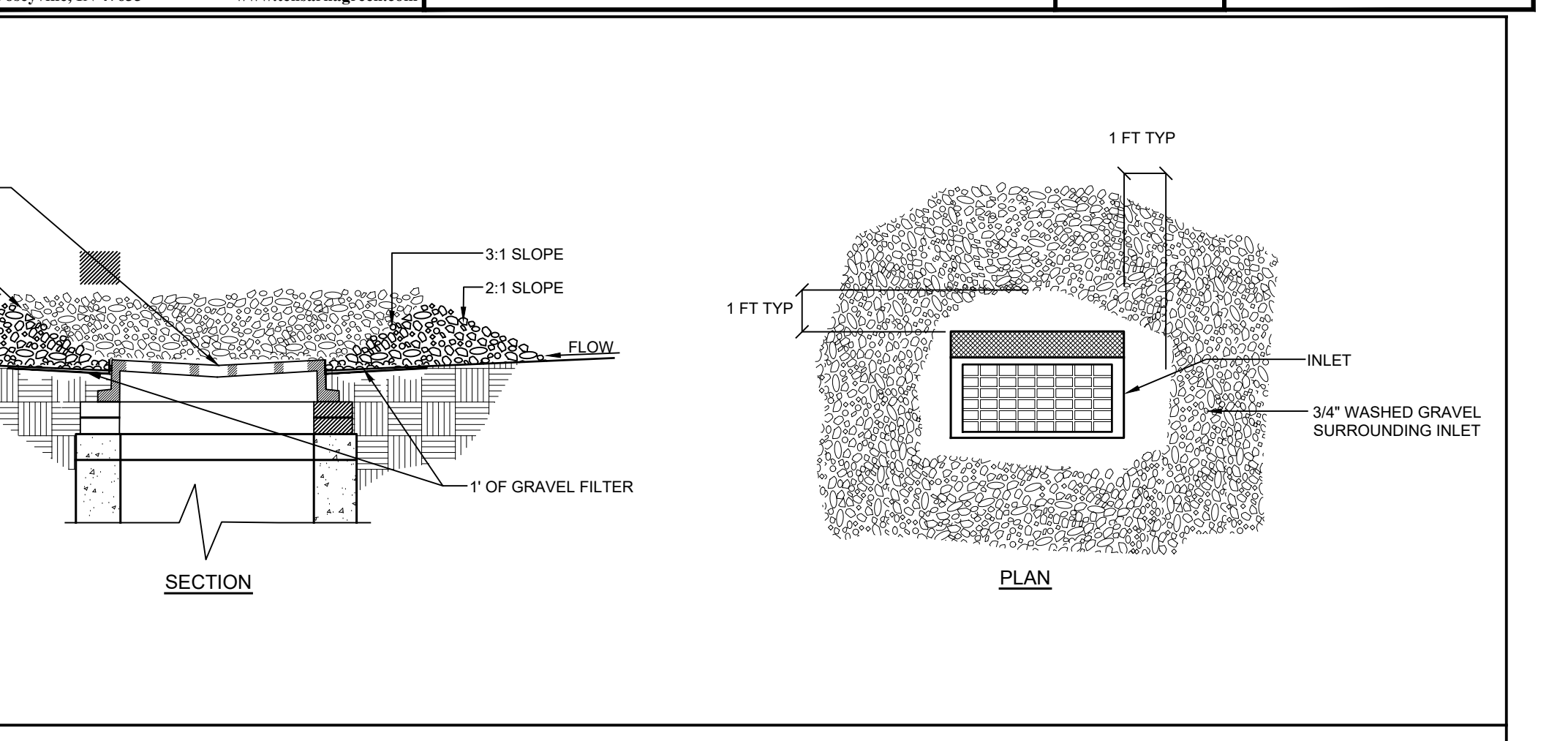
- A. Overlaps and Seams
- B. Projected Water Line
- C. Channel Bottom/Side Slope Vertices

NOTE:

In loose soil conditions, the use of staple or stake lengths greater than 6" (15cm) may be necessary to properly secure the HP-TRMs.

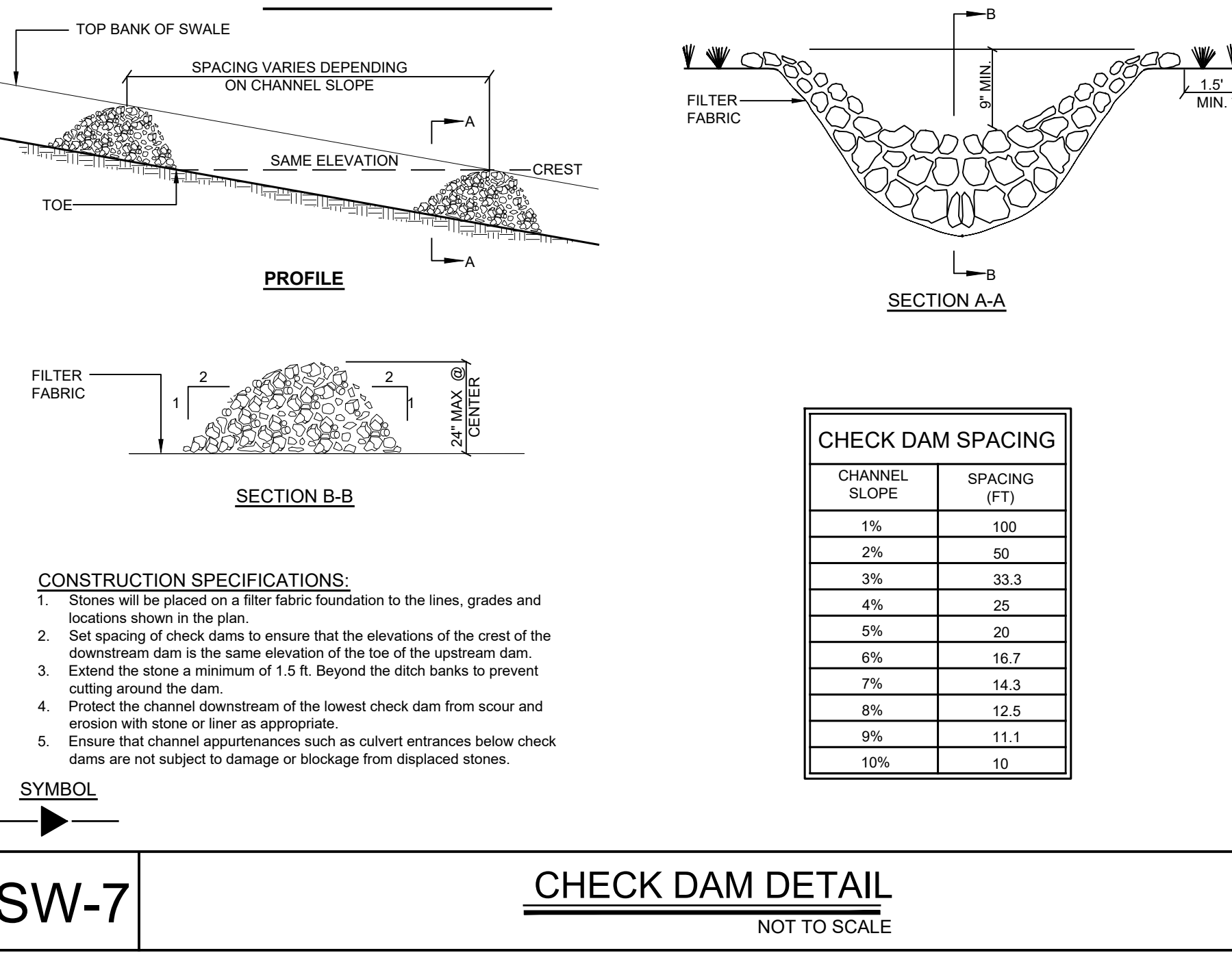


- NOTES:**
- Area chosen for stockpiling operations shall be dry and stable.
 - Maximum slope of stockpile shall be 1:2.
 - Upon completion of soil stockpiling, each pile shall be surrounded with either silt fencing or strawbales, then stabilized with vegetation or covered.
 - See detail for installation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

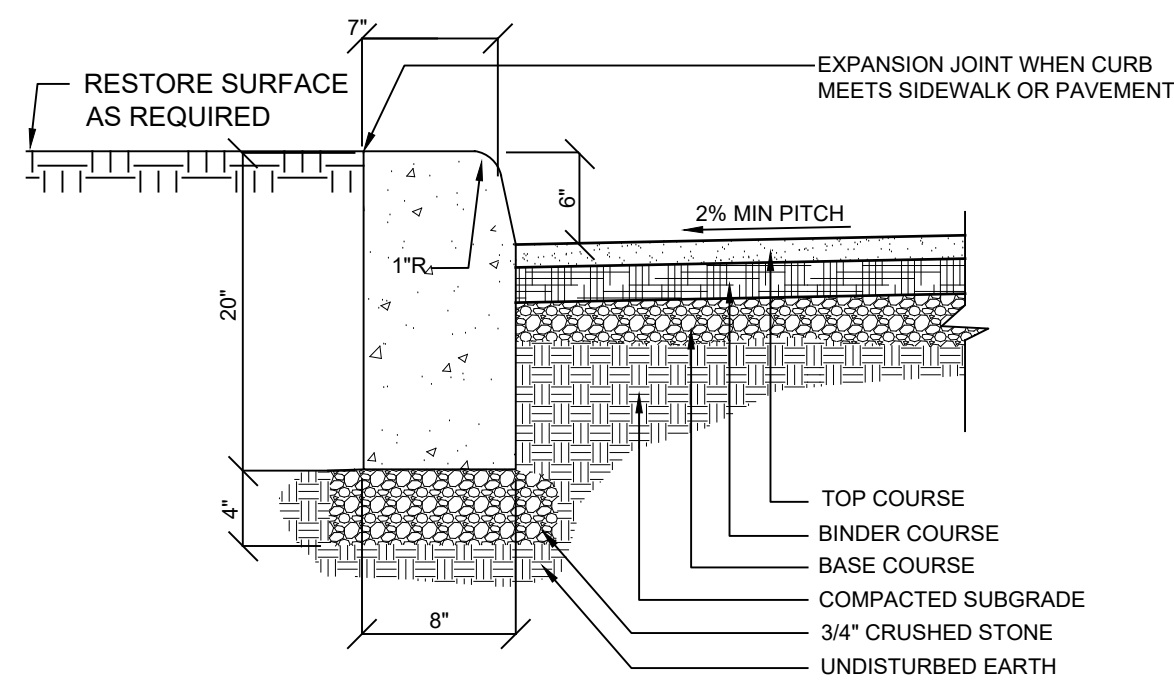


E-5 INLET PROTECTION DETAIL
NOT TO SCALE

E-4 SOIL STOCKPILE DETAIL
NOT TO SCALE

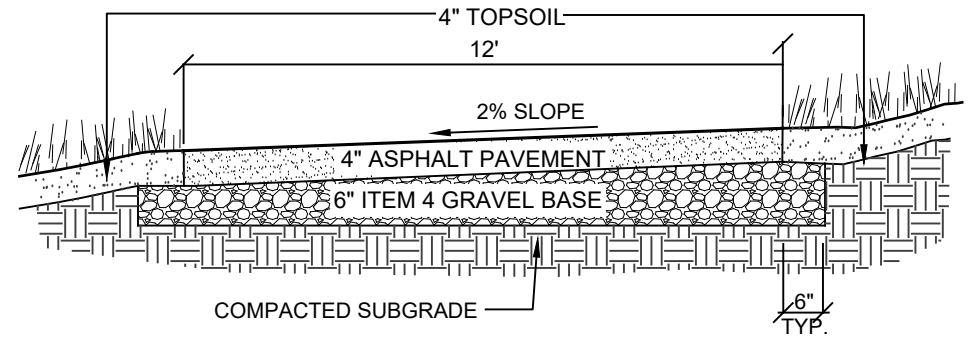


SW-7 CHECK DAM DETAIL
NOT TO SCALE

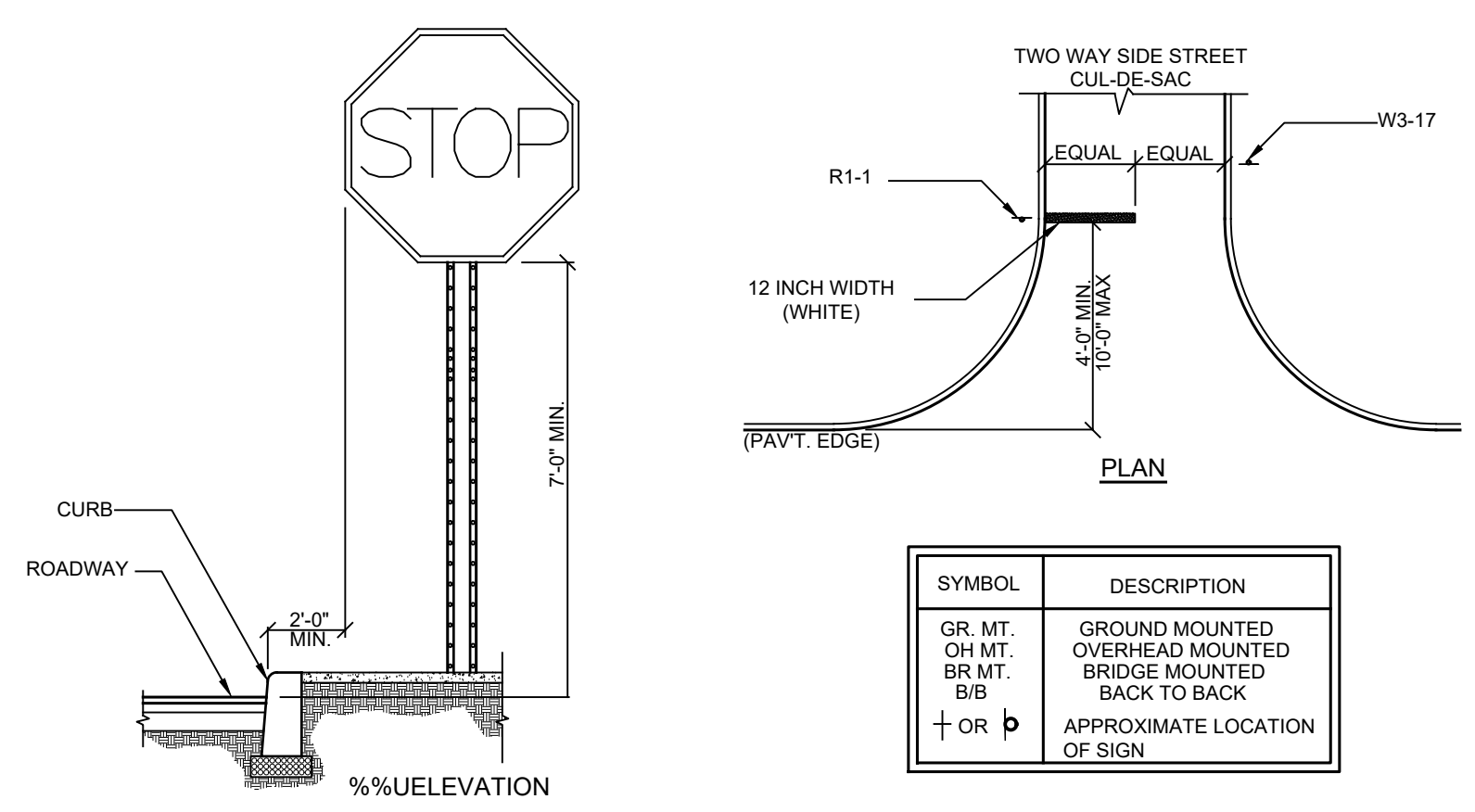


NOTE:
 1. Provide 1/2" expansion joint in concrete curb every ten feet.
 2. Construct curb with class A concrete (3000 psi).

R-XX CONCRETE CURB DETAIL
NOT TO SCALE



R-2 DRIVEWAY DETAIL
NOT TO SCALE

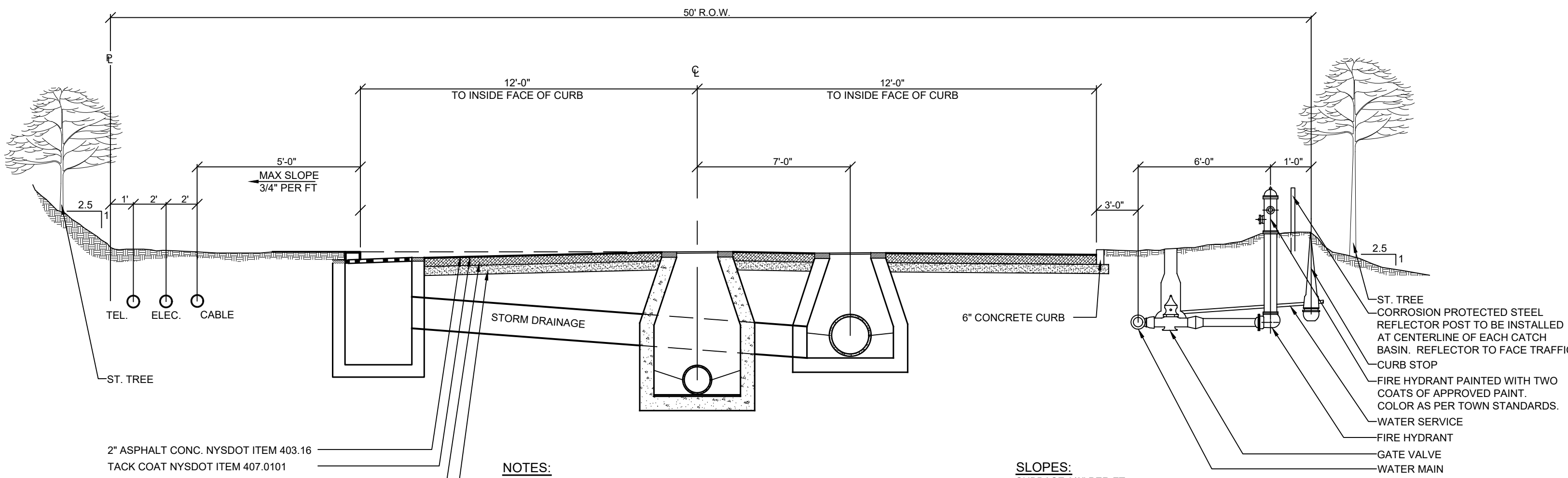


TYPICAL INSTALLATION GUIDELINES

SIGN	M.U.T.C.D. NUMBER	SIZE OF SIGN	TYPE OF MOUNT
STOP	R1-1	18" X 18"	GR. MT.

GENERAL NOTES:
 1. 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:
 A. Letter size and series
 B. Legend and background color
 C. Reflectivity
 D. Size of sign
 2. 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
 3. 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.
 4. 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.
 5. 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.
 6. Placement of W3-17 sign is prescribed in the General Municipal Law.

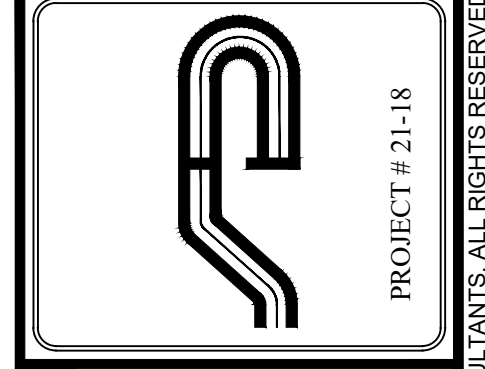
R-X TRAFFIC SIGN DETAIL
NOT TO SCALE



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

SLOPES:
 SUBBASE 3/8" PER FT.
 PAVEMENT: 3/8" PER FT.
 SHOULDER: 3/4" PER FT.
COMPACTION NOTE:
 1. The Contractor shall be responsible to ensure that all road courses meet the following NYS DOT compaction specifications:
 Subbase Compaction: Item 203-3.12.
 Asphalt Compaction: Item 401-3.12.

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



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Engineer:
 Joseph C. Rinna, P.E.
 NYS Lic. No. 64431

Revisions:	No.	Date	Comments
	1	10/7/21	Plan Revisions
	2	2/21/23	Tree Update
	3	12/11/23	Tree Update
	4	2/29/24	CB Comments

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

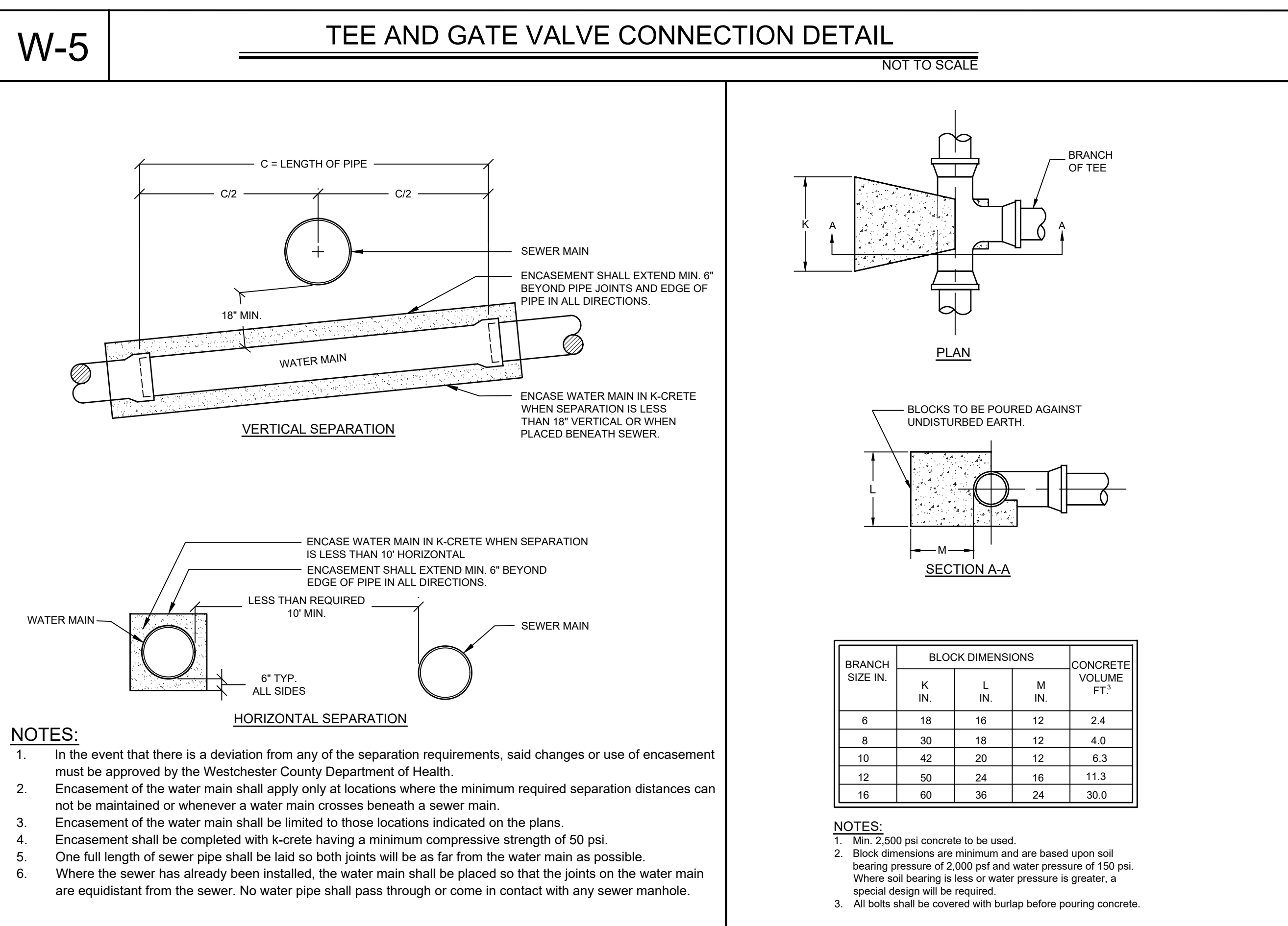
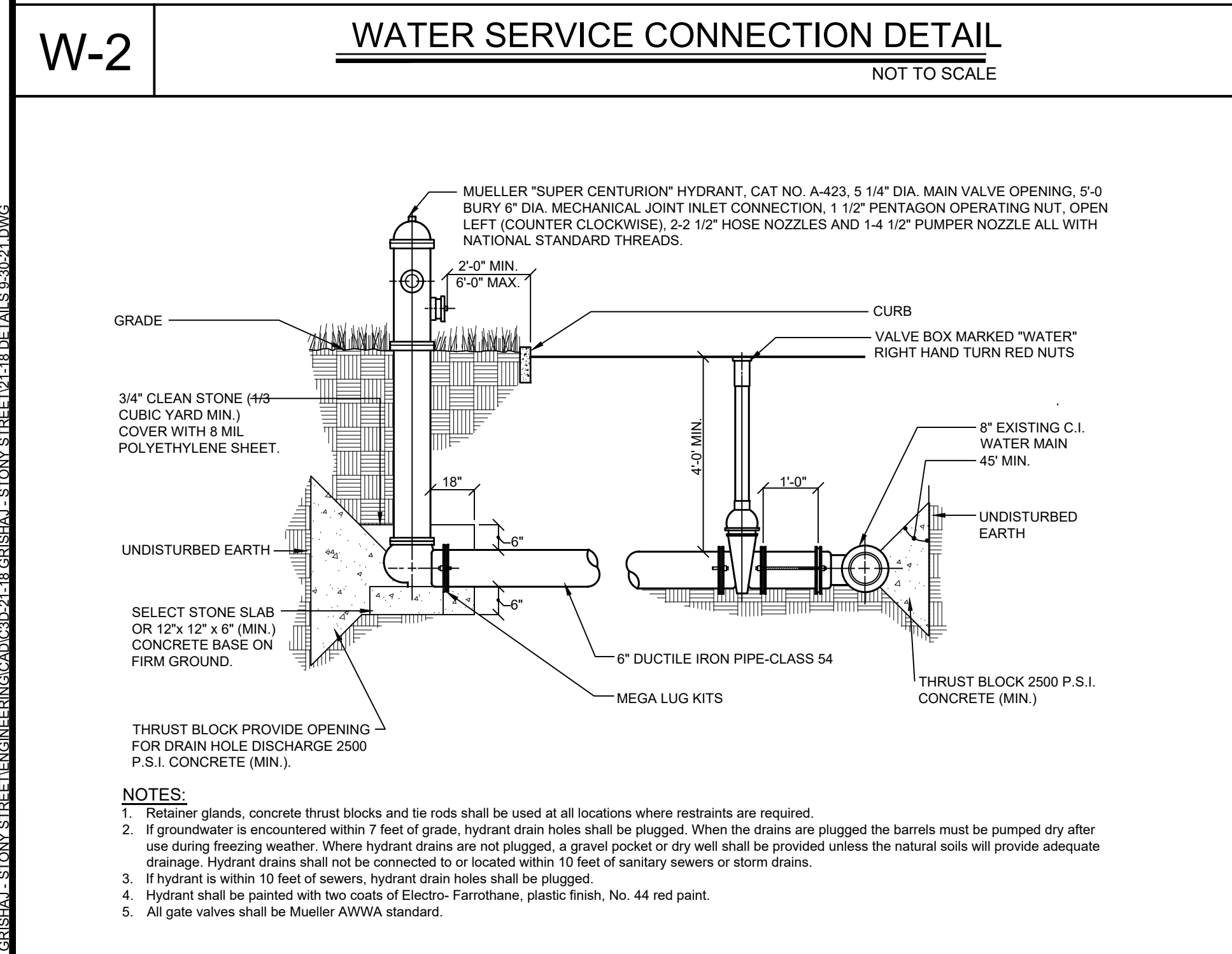
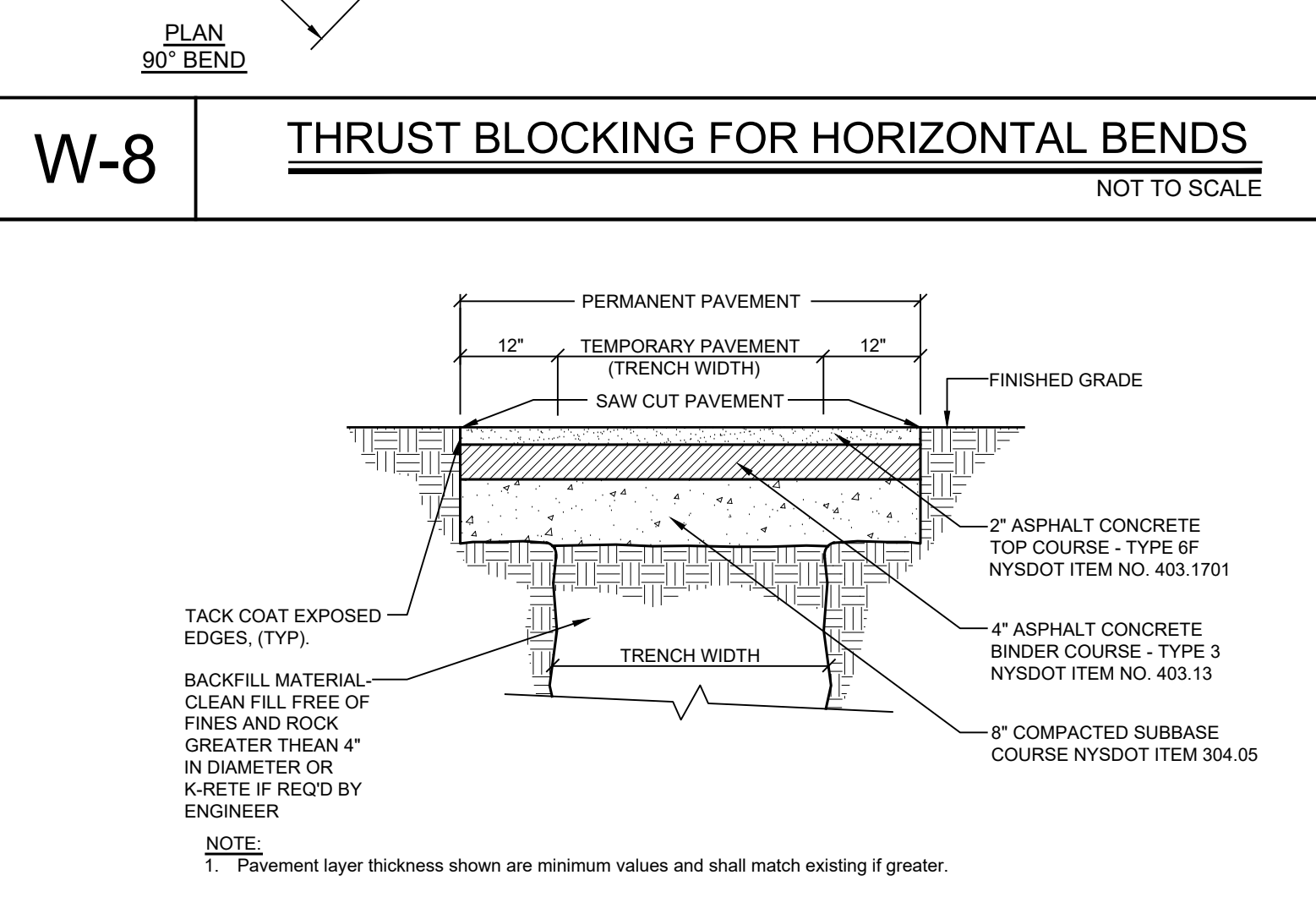
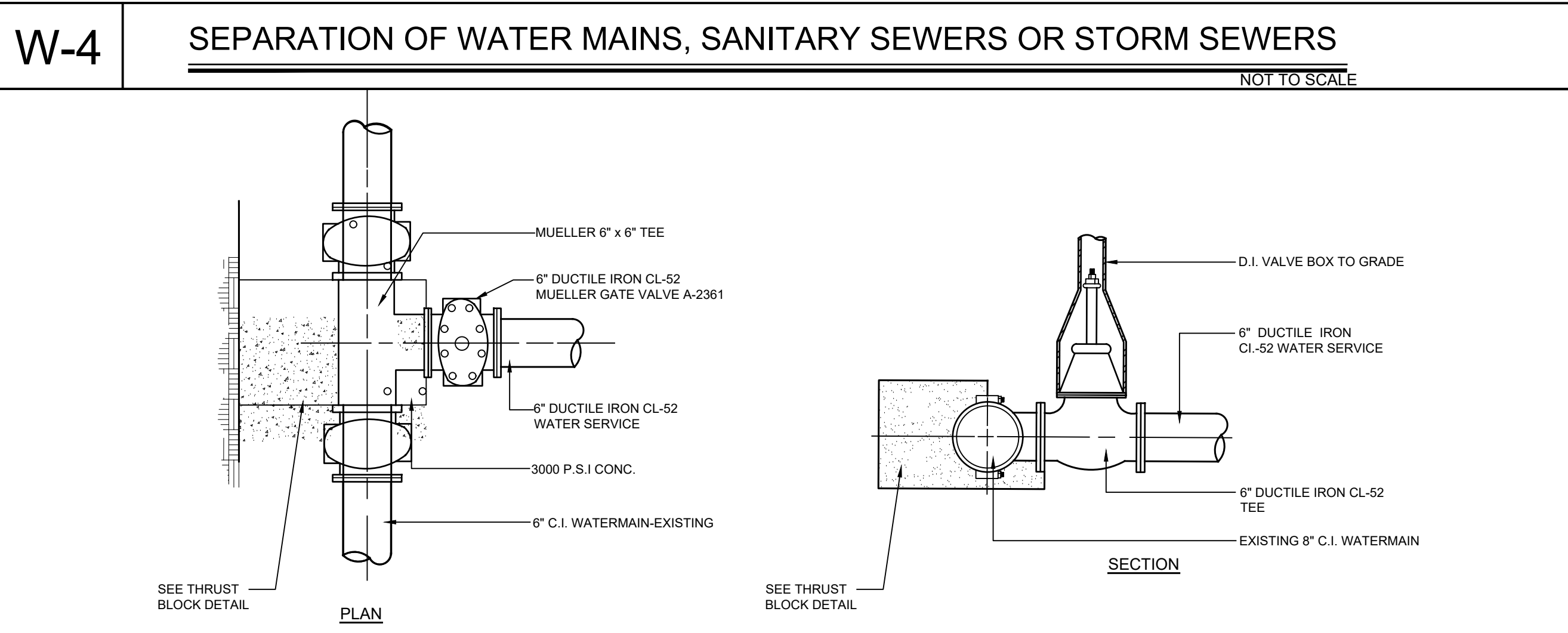
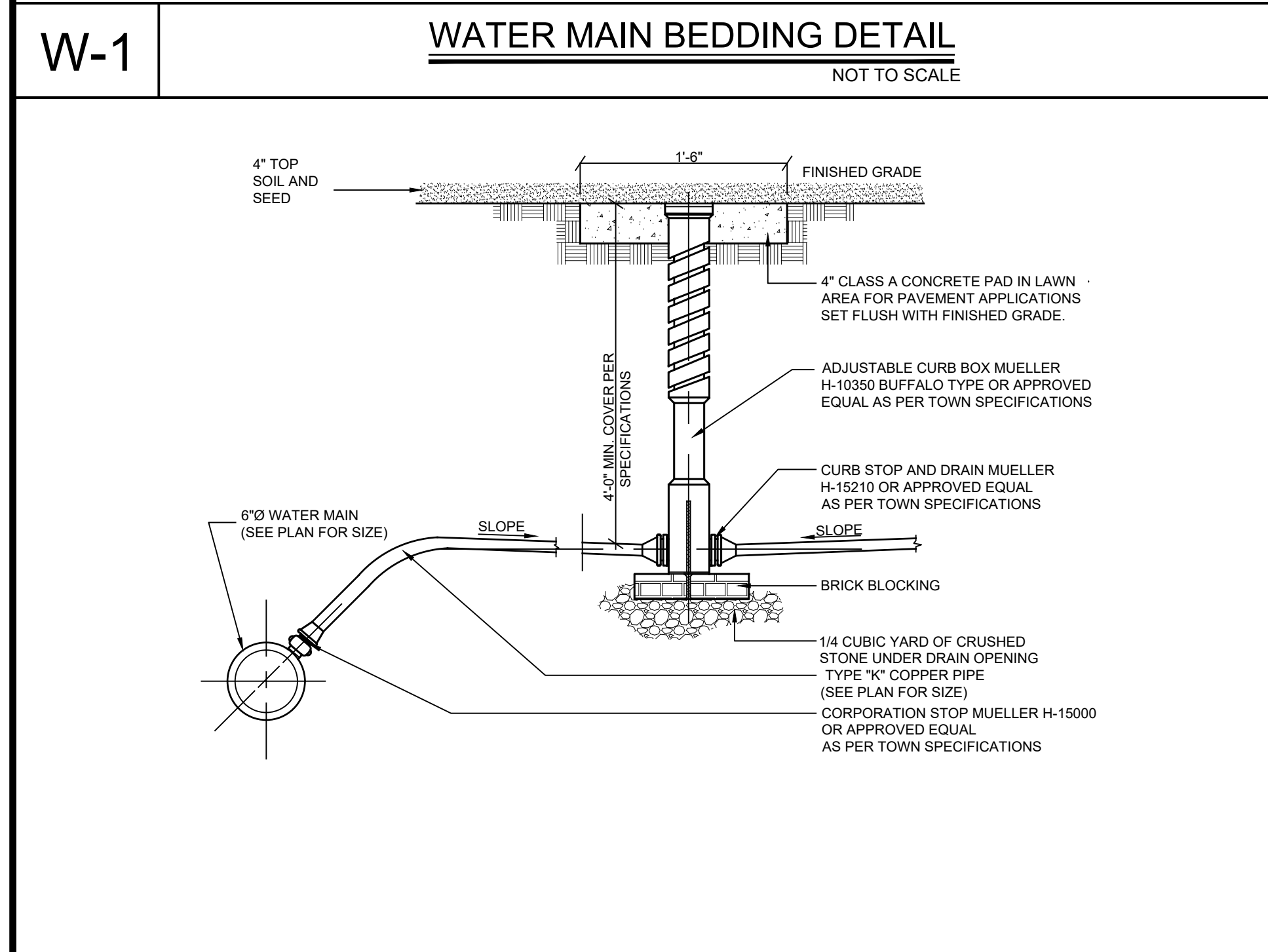
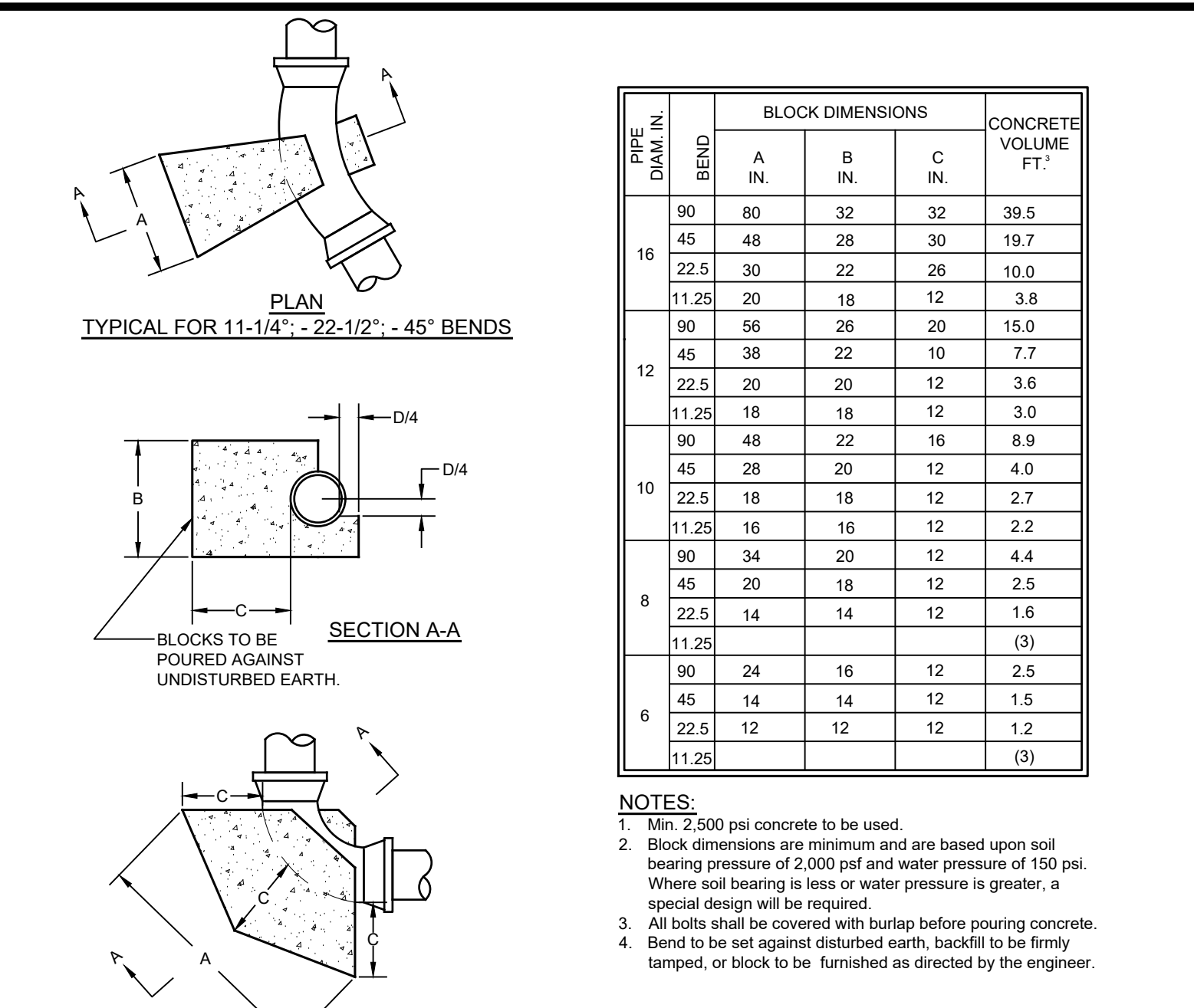
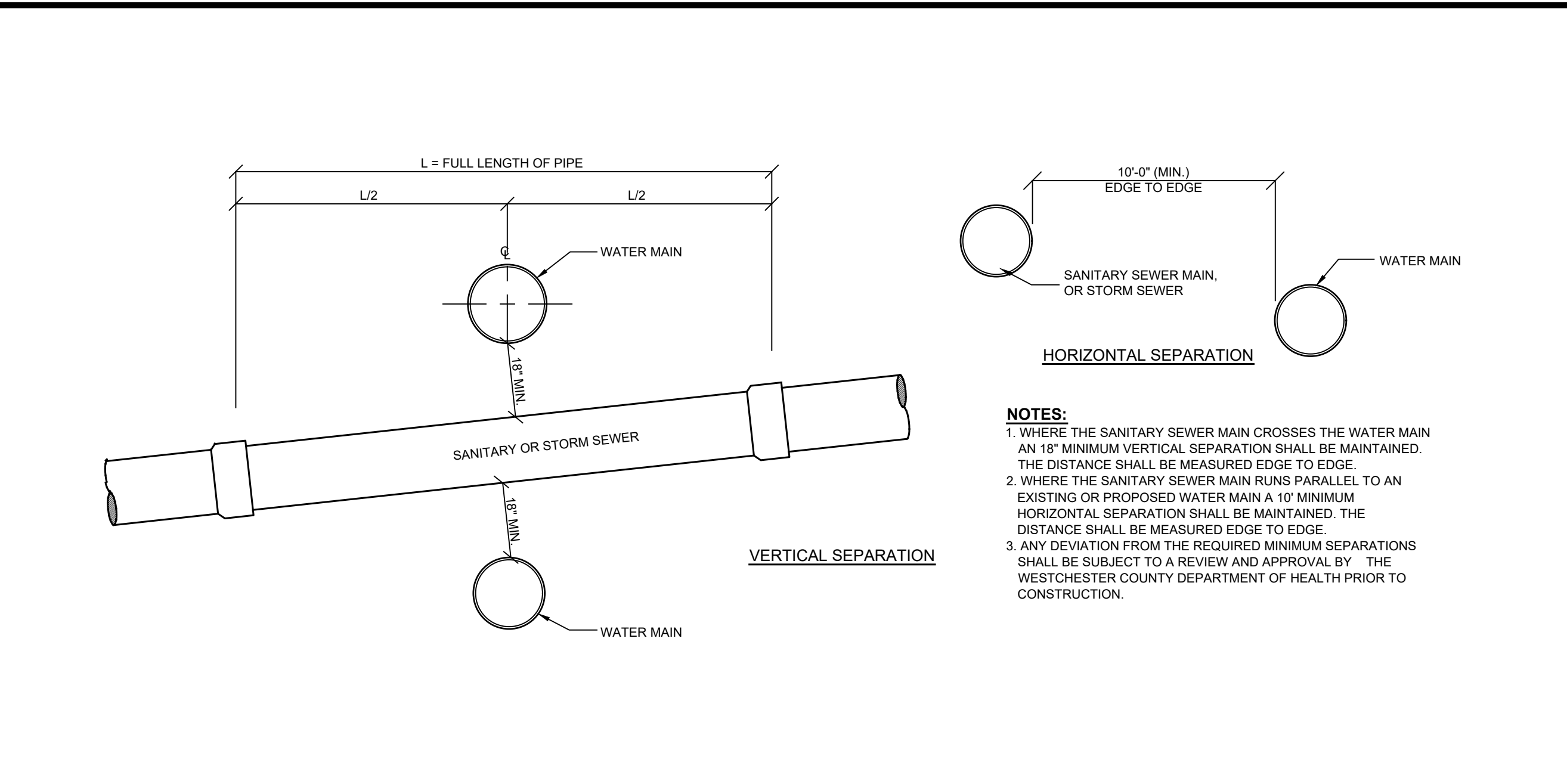
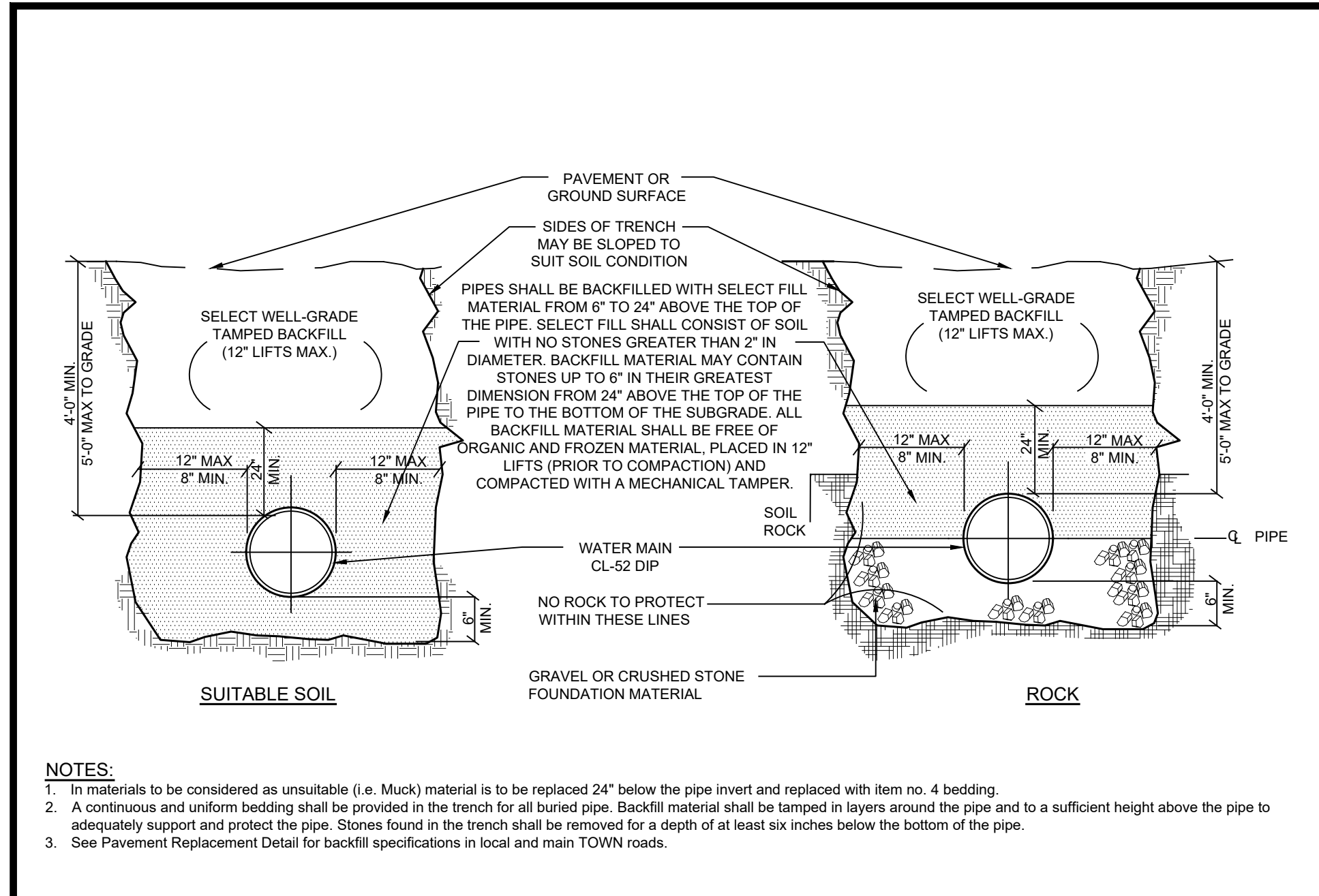
SITE DETAILS

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

E:\2024\218 GRISHAJ - STONY STREET\ENGINEERING\CADD\218 GRISHAJ - STONY STREET\218 DETAILS\218.DWG

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

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PROJECT # 21-18

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Civil Engineers • Land Planners
251-F Underhill Avenue, Yorktown Heights, NY 10598
(914) 962-4488 - Fax: (914) 962-7386
www.sitedesignconsultants.com

REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW YORK
JOSEPH C. RINNA, P.E.
NYS Lic. No. 64431

Revisions:	No.	Date	Comments
	1	10/7/21	Plan Revisions
	2	2/21/23	Issue Update
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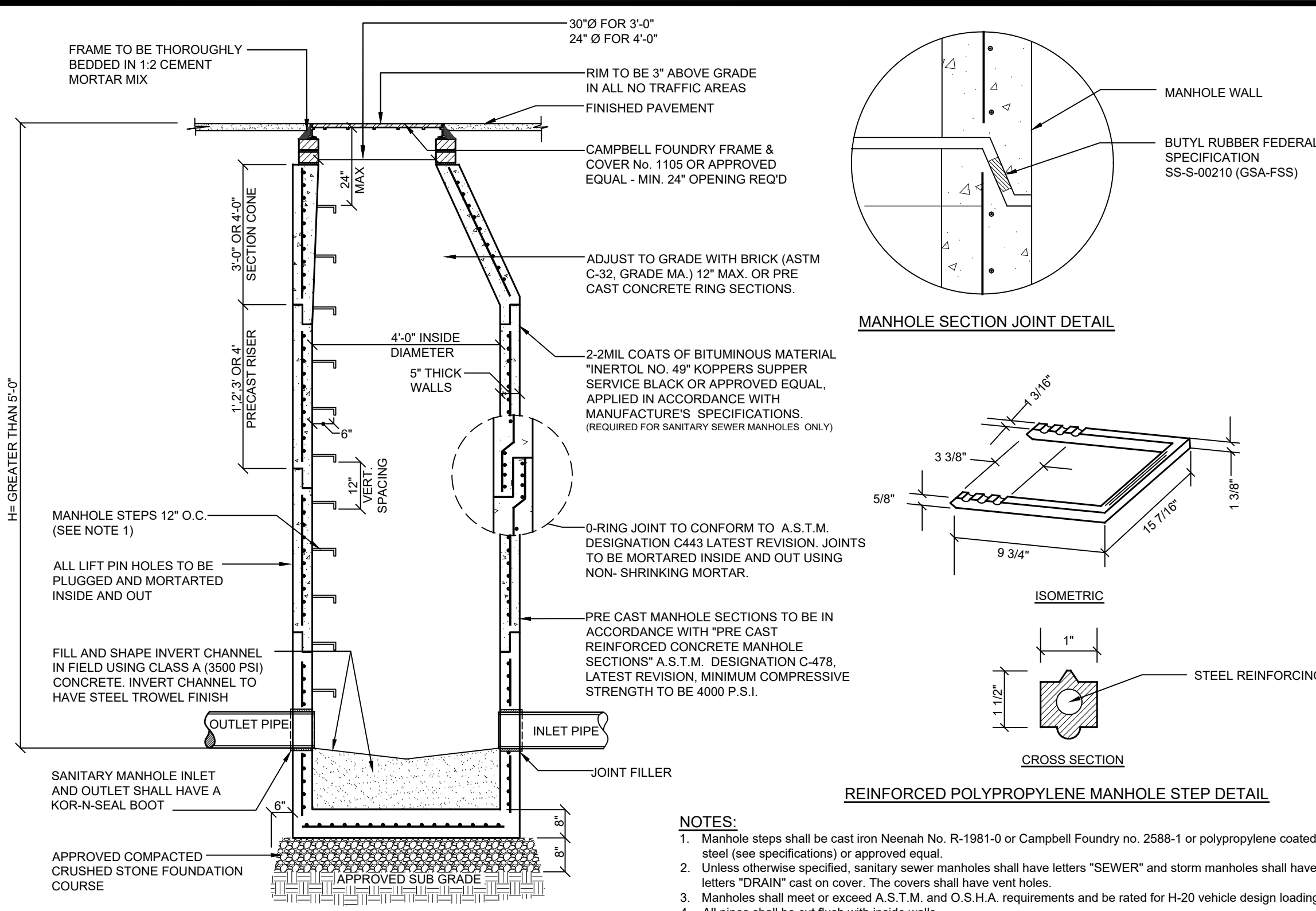
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DRAWN BY: TK
DATE: 5/7/21

WATERMAIN DETAILS

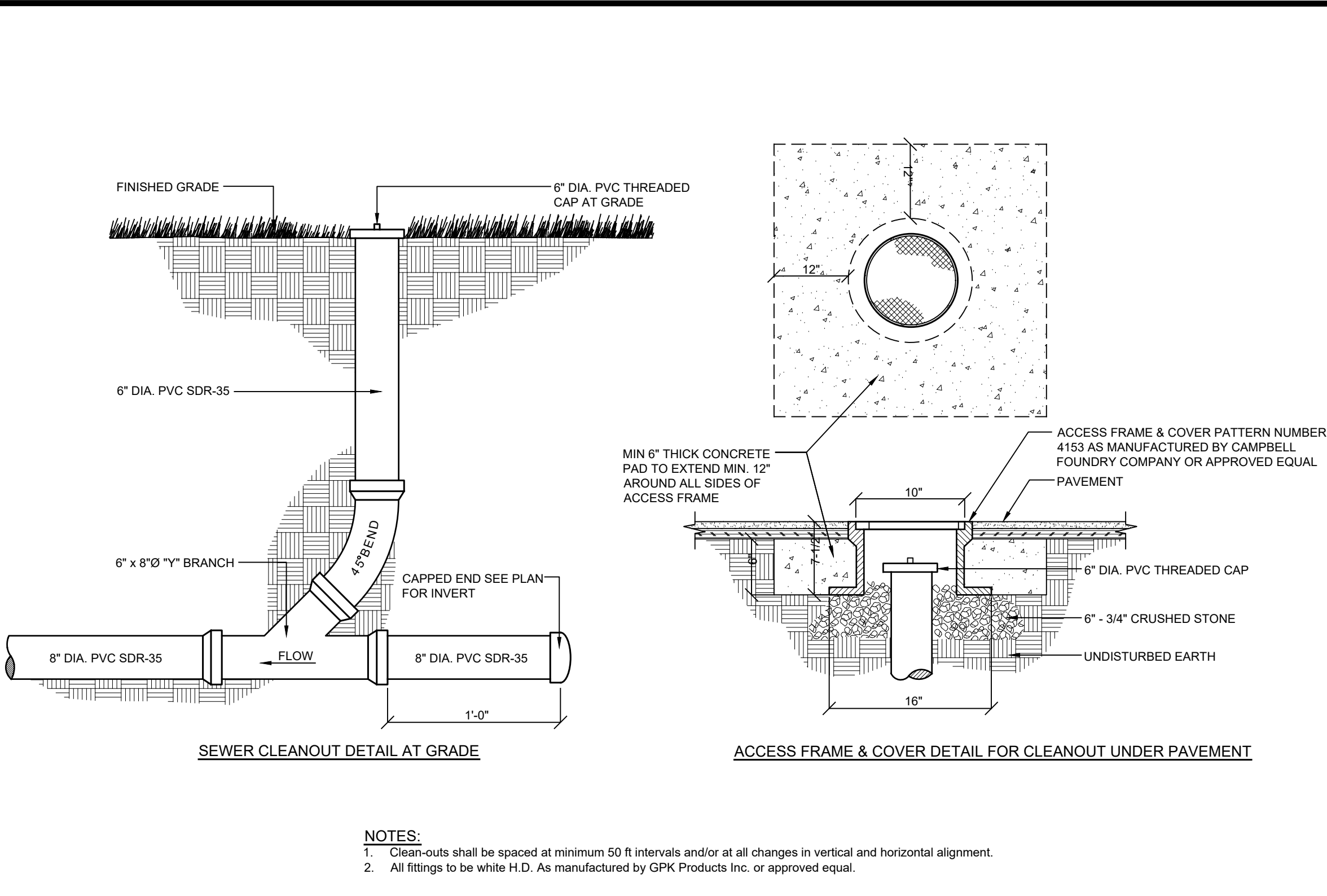
SITE PLAN PREPARED FOR
NIKOLLA GRISHAJ
3319 STONY STREET
Town of Yorktown
Westchester County, New York

Sheet 15 of 18

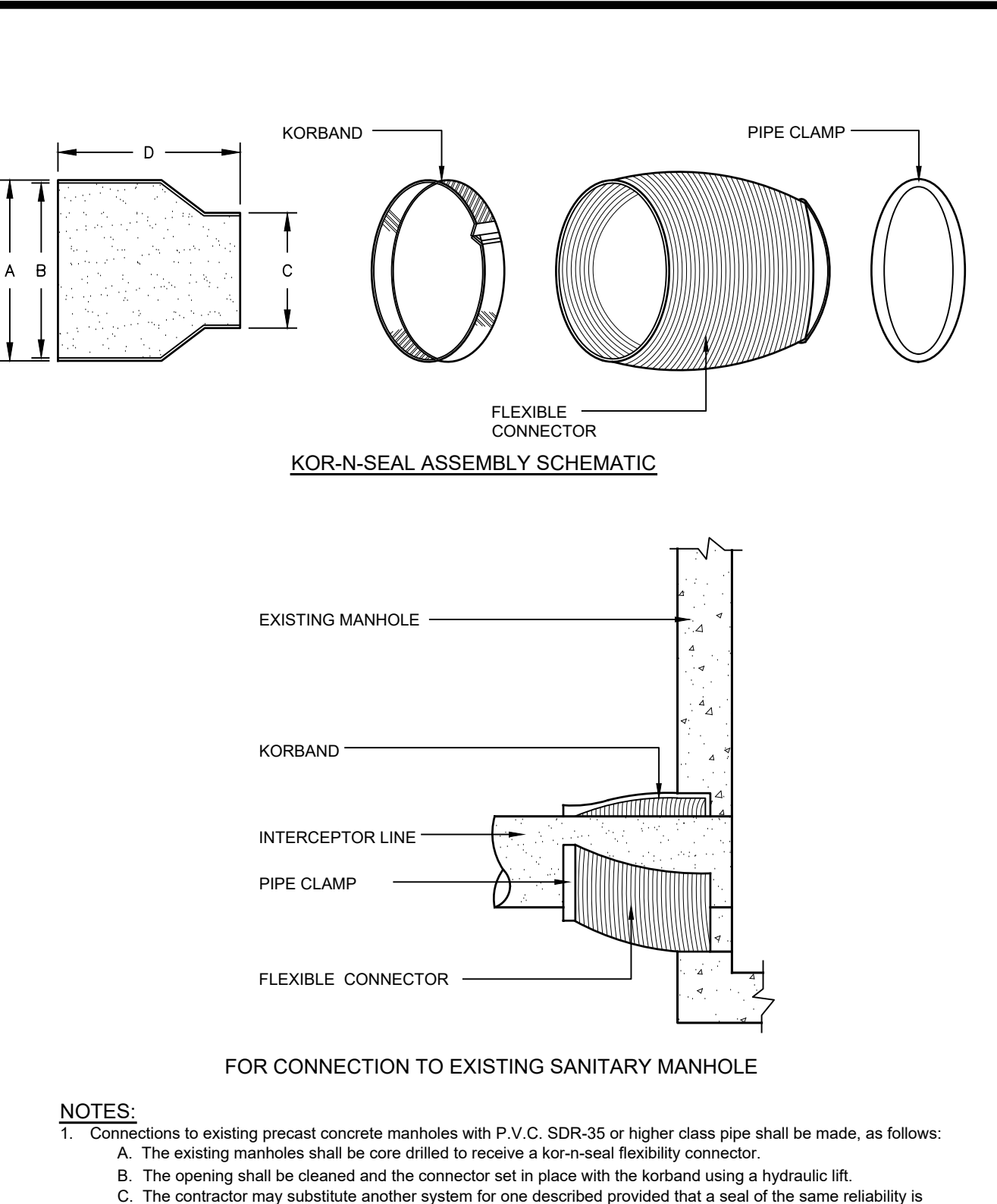
NOTE: I HAVE REVIEWED ALL REVISIONS OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 2709 (2) OF THE NEW YORK STATE EDUCATION LAW



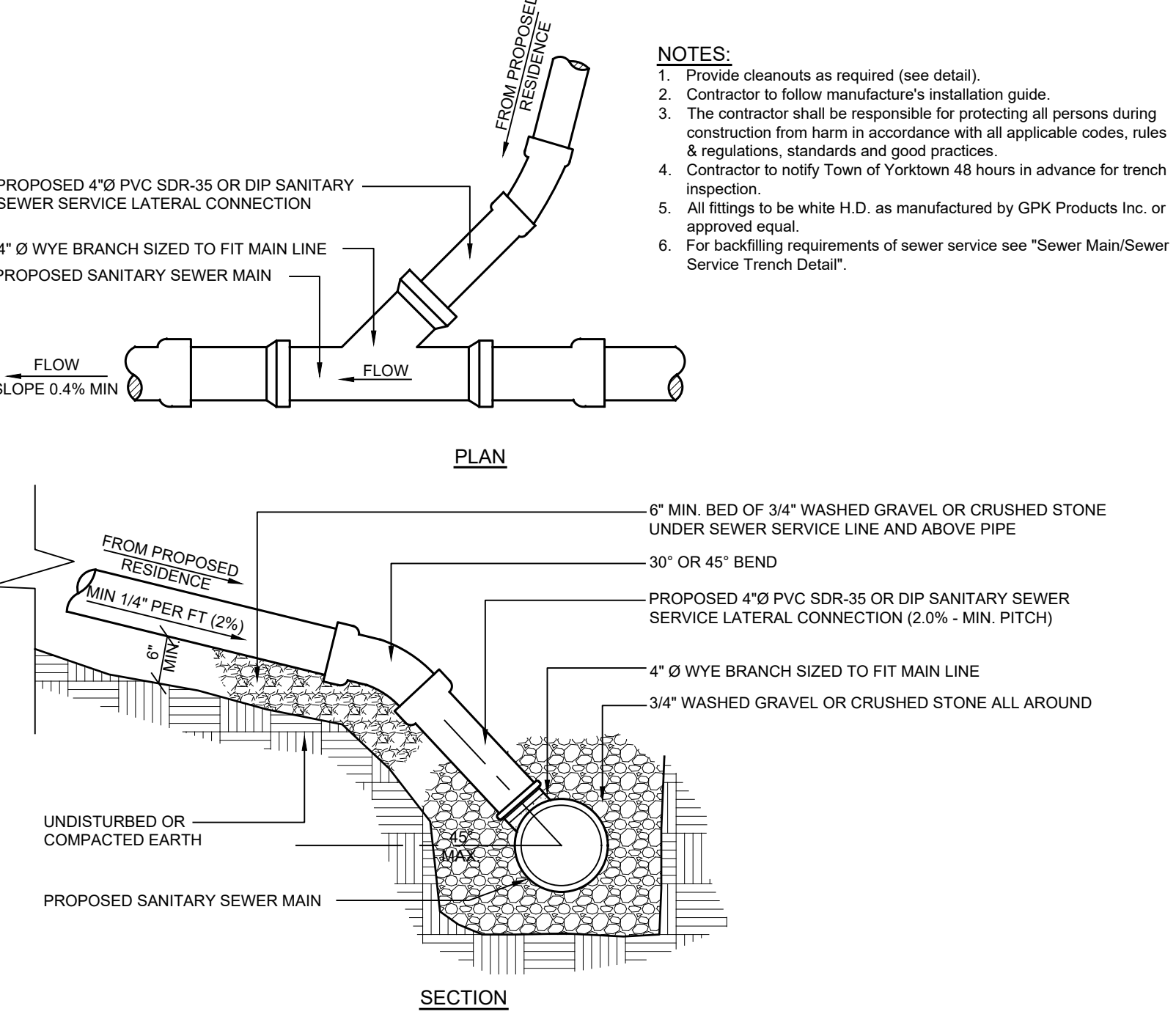
S-1 **PRECAST CONCRETE SEWER MANHOLE DETAIL**
NOT TO SCALE



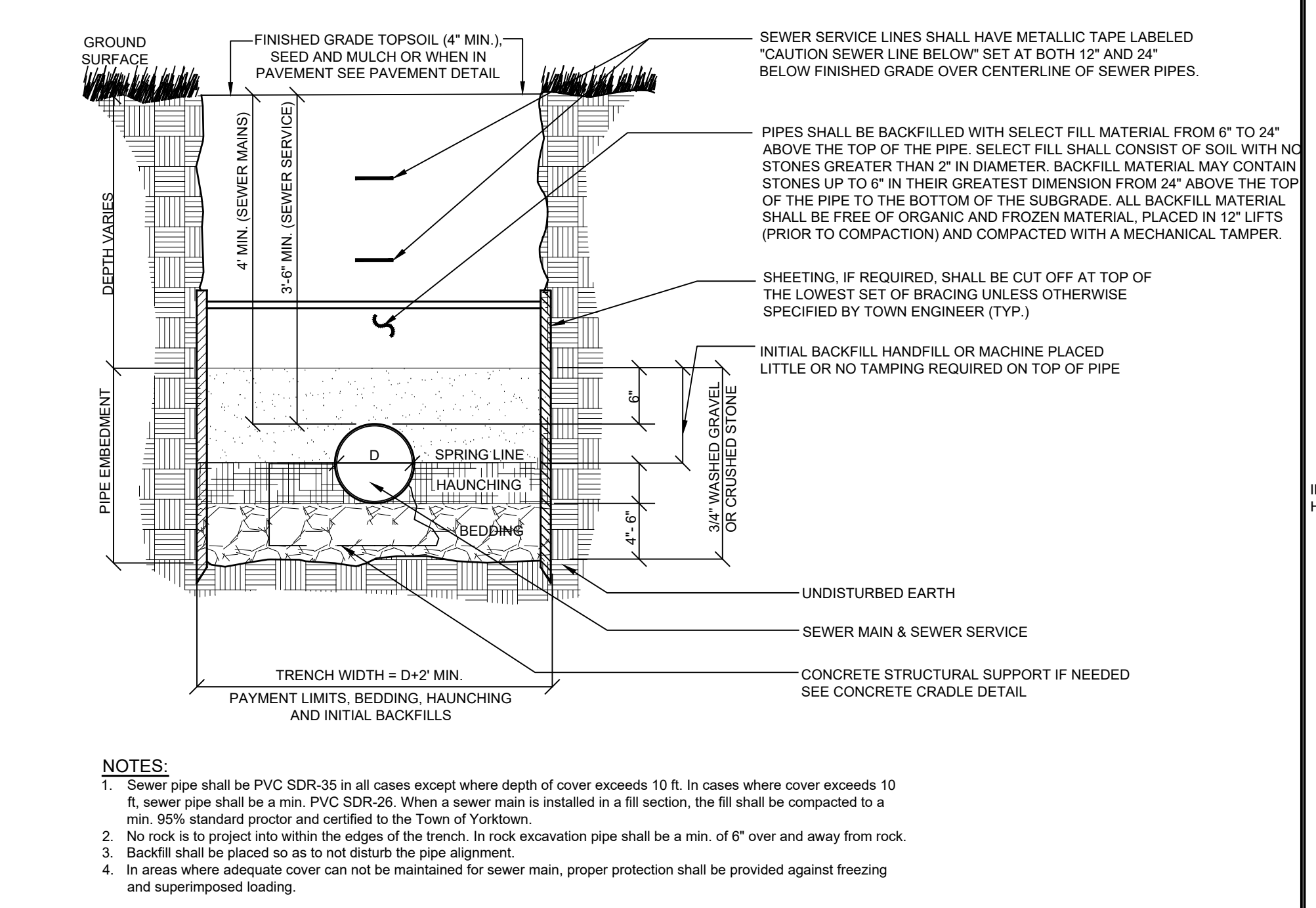
S-2 **GRAVITY SEWER LATERAL CLEAN-OUT DETAIL**
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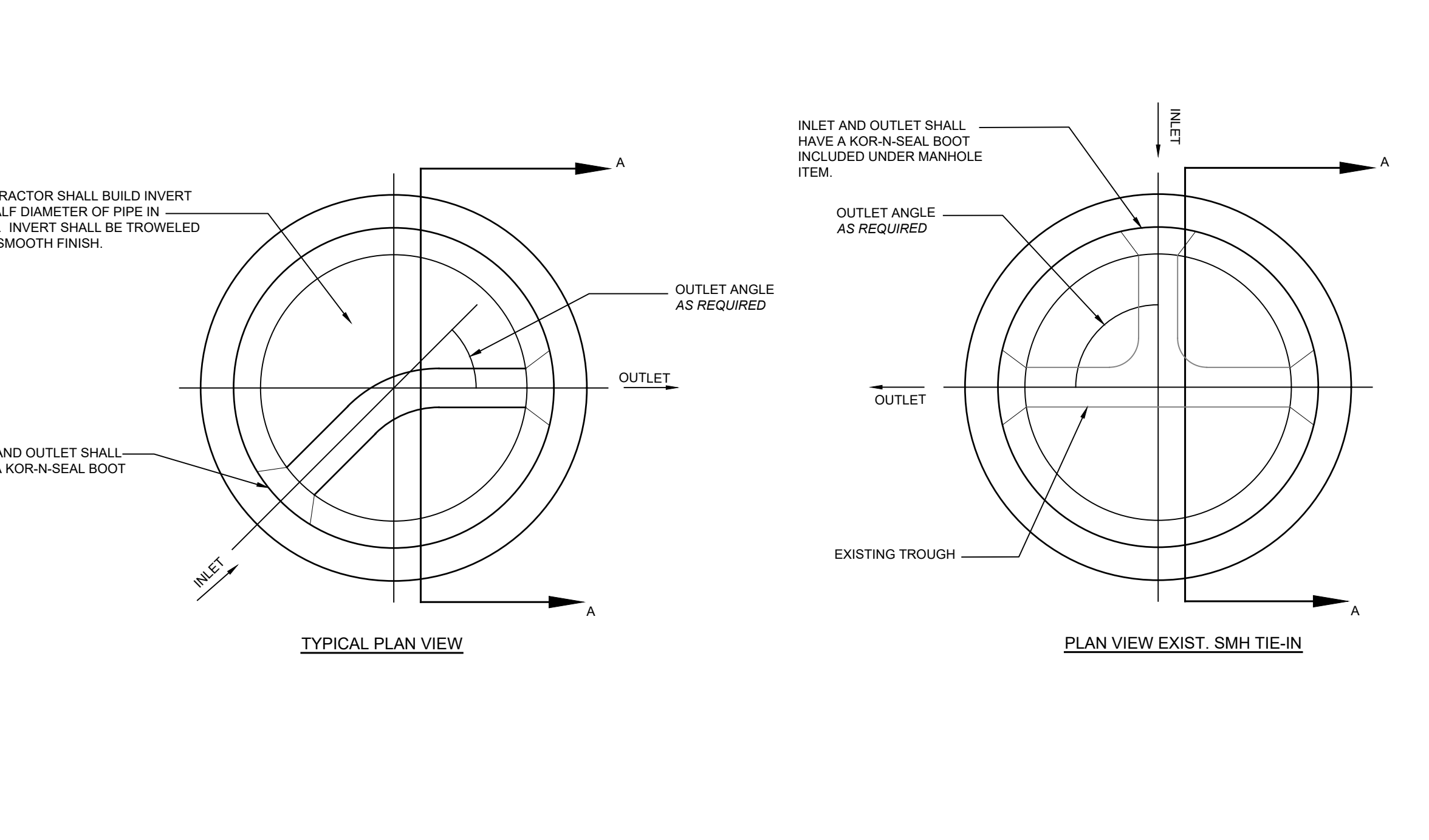
S-6 **EXISTING SANITARY FLEXIBLE CONNECTION**
NOT TO SCALE



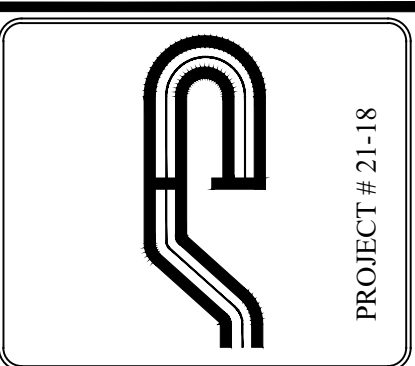
S-3 **SEWER CONNECTION TO PROPOSED MAIN-LINE DETAIL**
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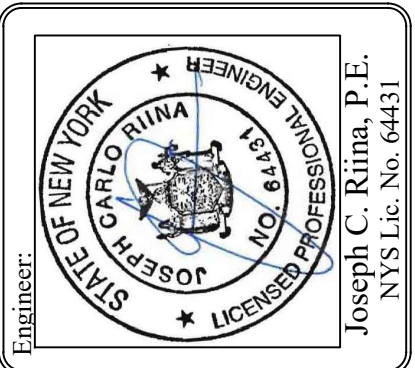
S-4 **SEWER MAIN / SEWER SERVICE TRENCH DETAIL**
NOT TO SCALE



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



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DATE: 5/7/21

SEWER DETAILS

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

F:\022121-18 GRISHAJ - STONY STREET\ENGINEERING\CAD\3D-21-18 GRISHAJ - STONY STREET\21-18 DETAILS 9-30-21.DWG

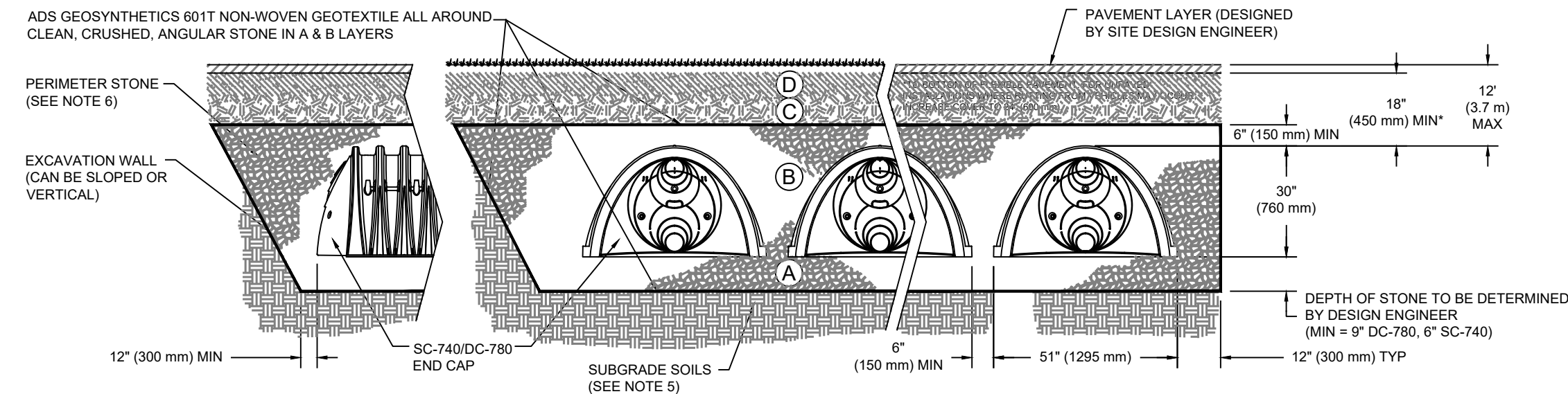
PROJECT # 21-18

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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.

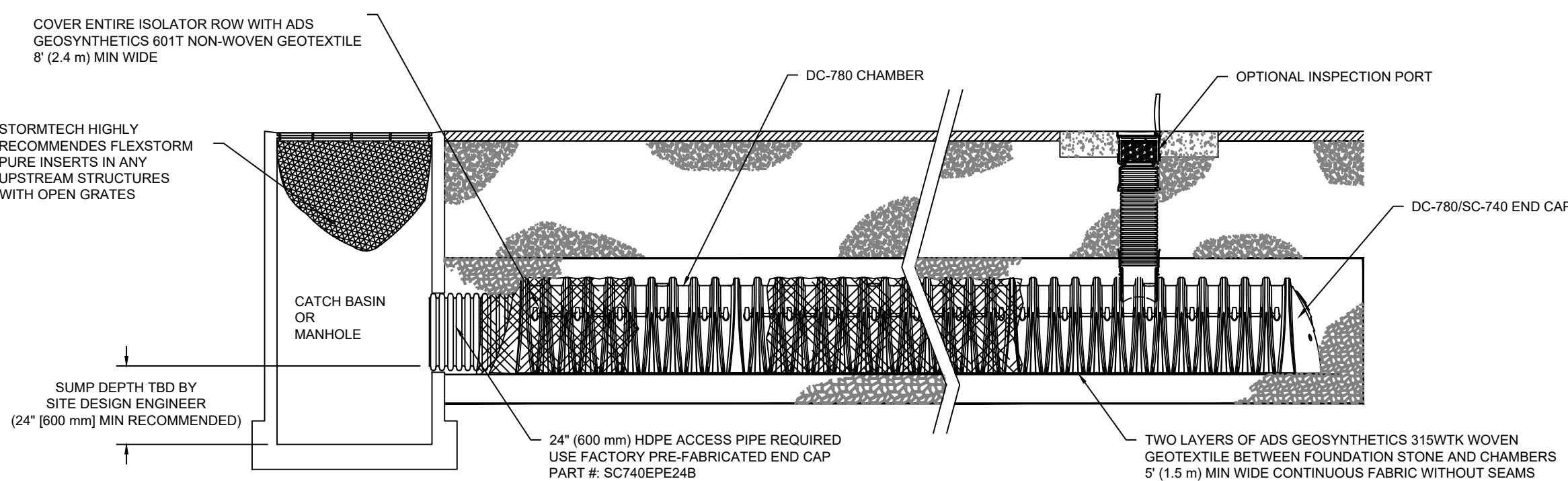


NOTES:

- DC-780 CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS"¹J
- DC-780 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS"¹J
- "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.¹J
- THE "SITE DESIGN ENGINEER" REFERS TO THE ENGINEER RESPONSIBLE FOR THE DESIGN AND LAYOUT OF THE STORMTECH CHAMBERS FOR THIS PROJECT.¹J
- 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.¹J
- PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- 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

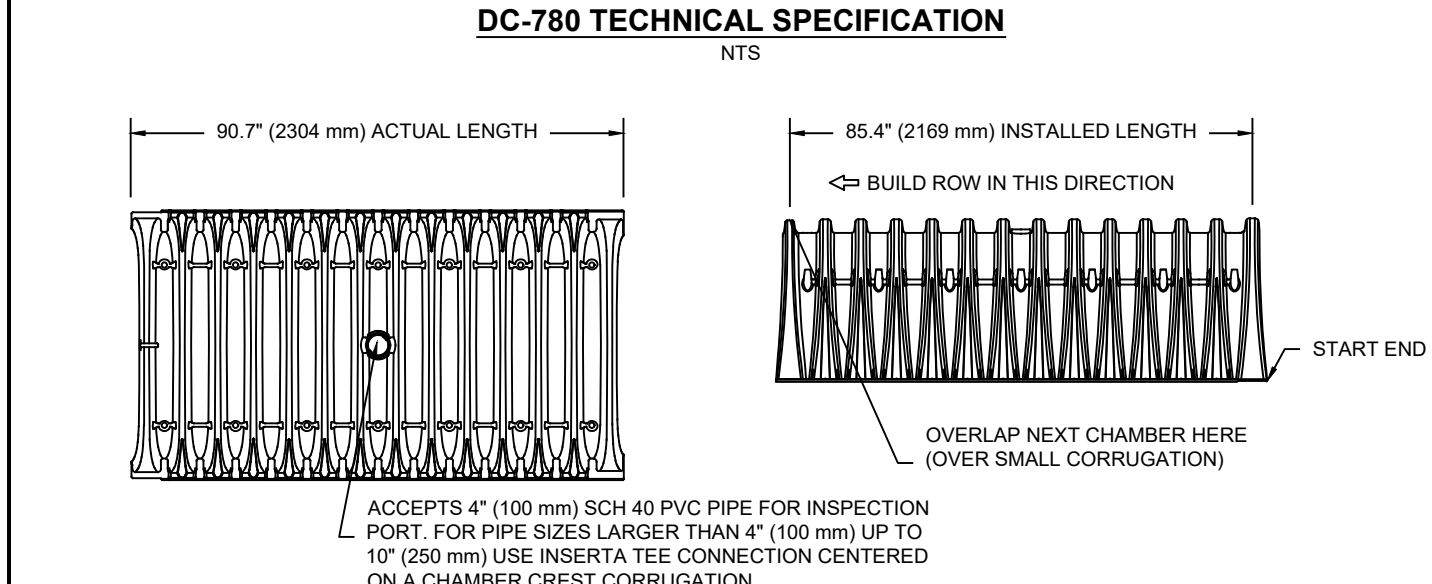
- STEP 1) INSPECT ISOLATOR ROW FOR SEDIMENT
 A. INSPECTION PORTS (IF PRESENT)
 A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
 A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
 A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
 A.4. LOWER A CAMERA INTO 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) I) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY.) II) 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.

NOTES

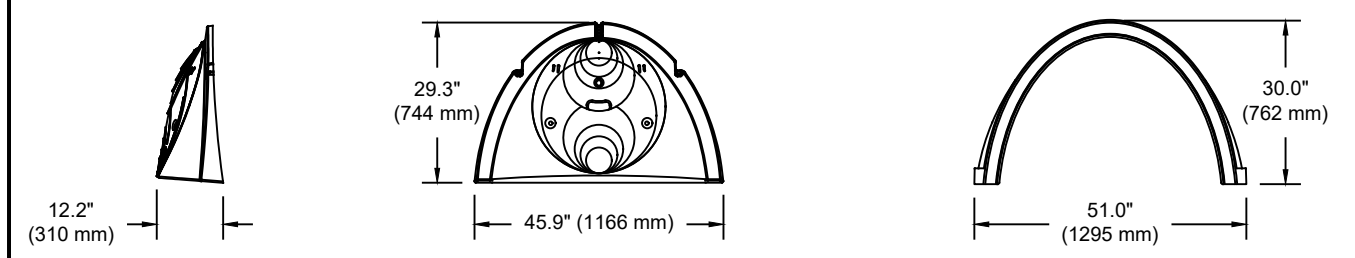
- INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.¹J
- CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

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	75.4 CUBIC FEET (2.13 m ³)
WEIGHT	75.0 lbs. (33.8 kg)

PART #	STUB	A	B	C
SC740EPE087 / SC740EPE087PC	6" (150 mm)	10.9" (277 mm)	18.5" (470 mm)	0.5" (13 mm)
SC740EPE088 / SC740EPE088PC	8" (200 mm)	12.2" (310 mm)	16.5" (419 mm)	0.6" (15 mm)
SC740EPE089 / SC740EPE089PC	10" (250 mm)	13.4" (340 mm)	14.5" (368 mm)	0.7" (18 mm)
SC740EPE108 / SC740EPE108PC	12" (300 mm)	14.7" (373 mm)	12.5" (318 mm)	0.8" (20 mm)
SC740EPE127 / SC740EPE127PC	15" (375 mm)	18.4" (467 mm)	9.0" (229 mm)	1.2" (30 mm)
SC740EPE157 / SC740EPE157PC	18" (450 mm)	19.7" (500 mm)	5.0" (127 mm)	1.3" (33 mm)
SC740EPE187 / SC740EPE187PC	24" (600 mm)	18.5" (470 mm)	---	1.6" (41 mm)
SC740EPE248 ¹	24" (600 mm)	18.5" (470 mm)	---	0.1" (3 mm)

ALL STUBS, EXCEPT FOR THE SC740EPE248 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 SC740EPE248 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.¹J
- CHAMBERS SHALL BE MADE FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.¹J
- 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: 1) 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 F2787, "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 1.68 FOR DEAD LOAD AND 1.78 FOR LIVE LOAD. THE MINIMUM REQUIRED BY ASTM F2787 AND BY AASHTO FOR THERMOPLASTIC PIPE.¹J
 - 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.¹J
 - STRUCTURAL CROSS SECTION DETAIL ON WHICH THE STRUCTURAL EVALUATION IS BASED.¹J
- 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

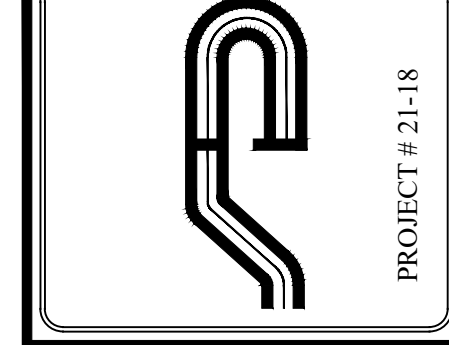
- STORMTECH DC-780 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.¹J
- STORMTECH DC-780 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".¹J
- CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS.¹J
 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.¹J
- JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.¹J
- MAINTAIN MINIMUM - 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.¹J
- EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE 3/4-2" (20-50 mm).¹J
- THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.¹J
- 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 EQUIPMENT¹J

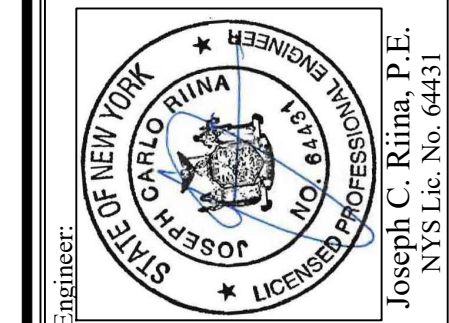
- STORMTECH DC-780 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".¹J
- THE USE OF CONSTRUCTION EQUIPMENT OVER DC-780 CHAMBERS IS LIMITED:
 - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
 - NO RUBBER Tired LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED 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".¹J
- 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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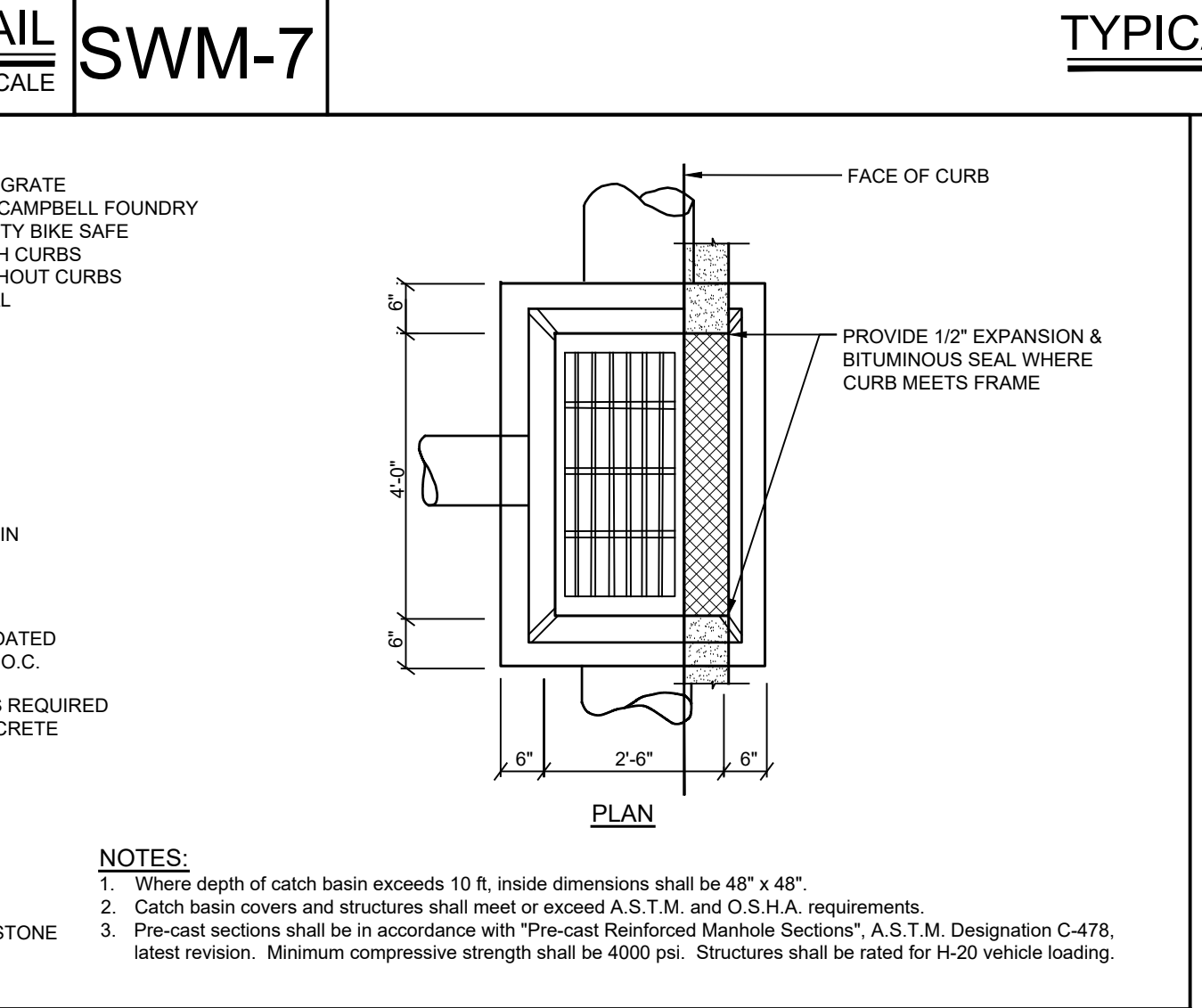
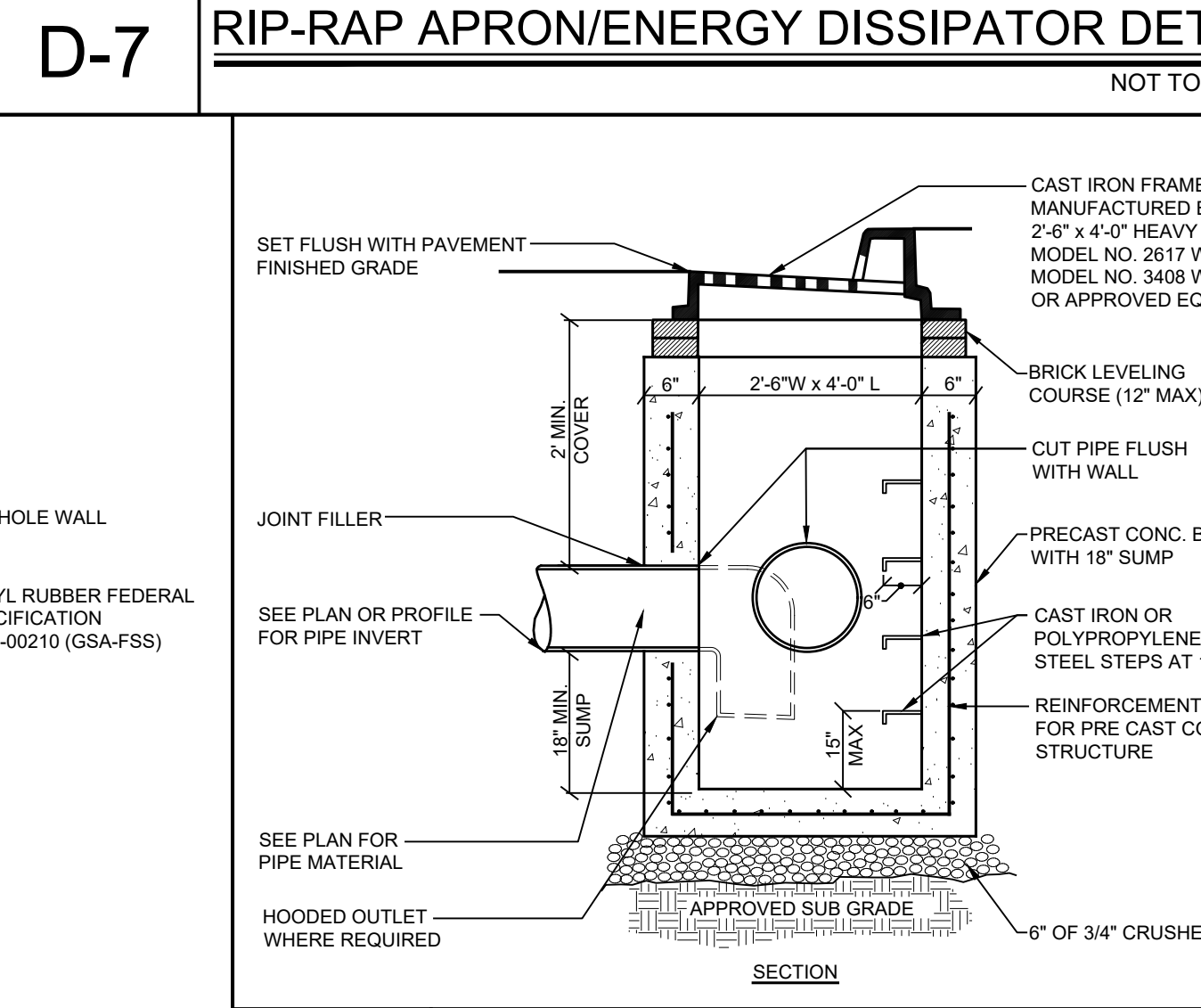
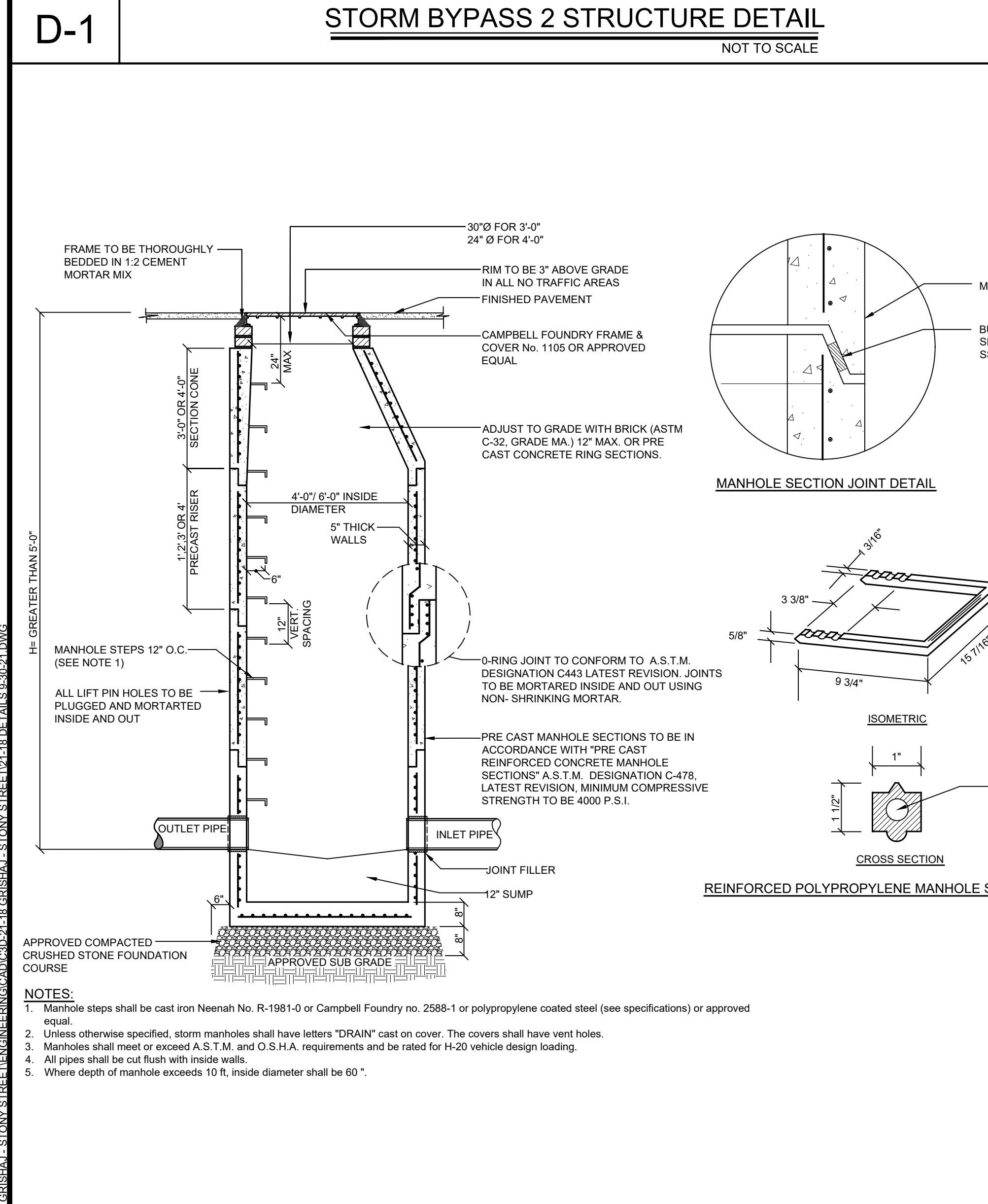
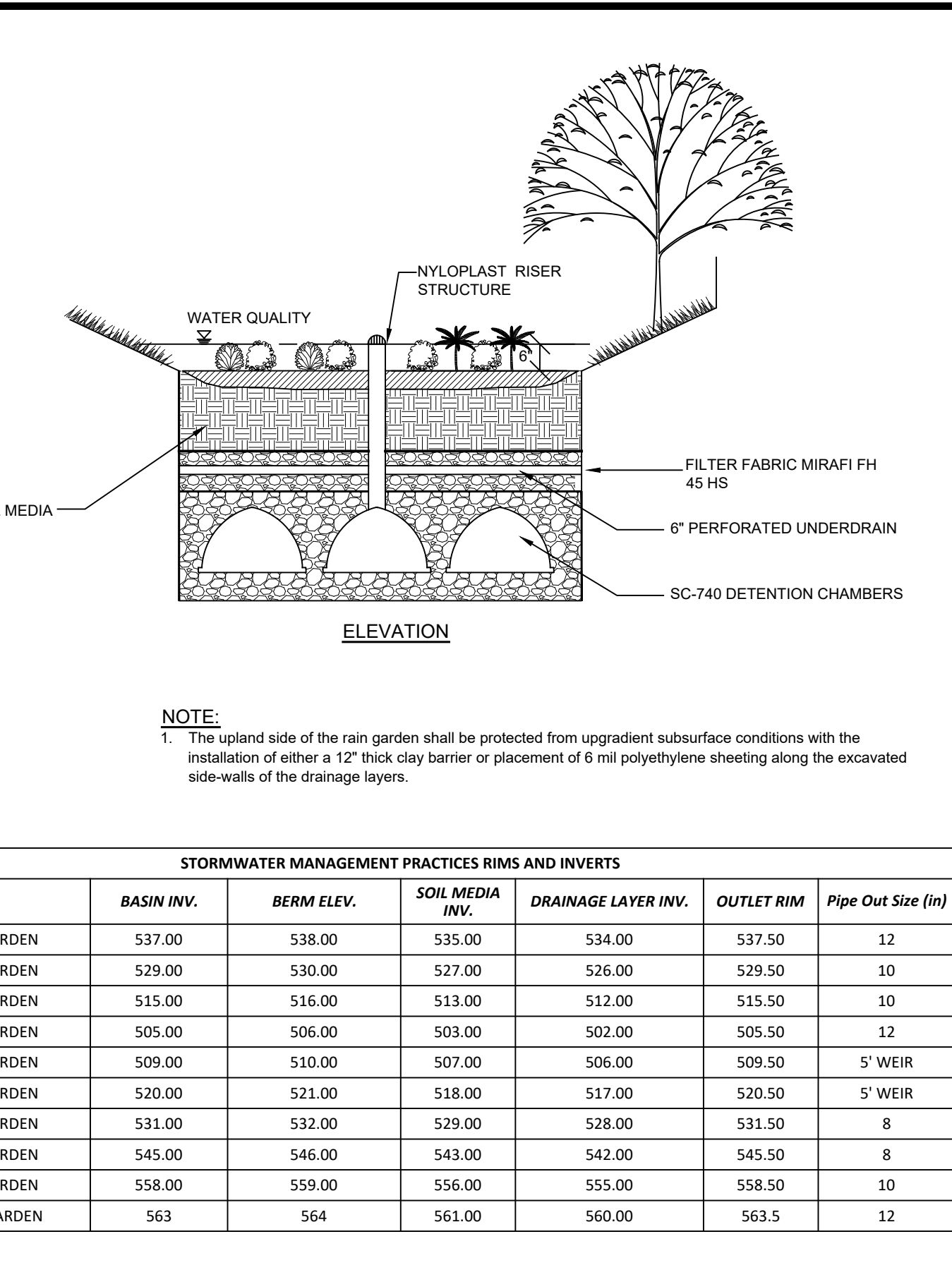
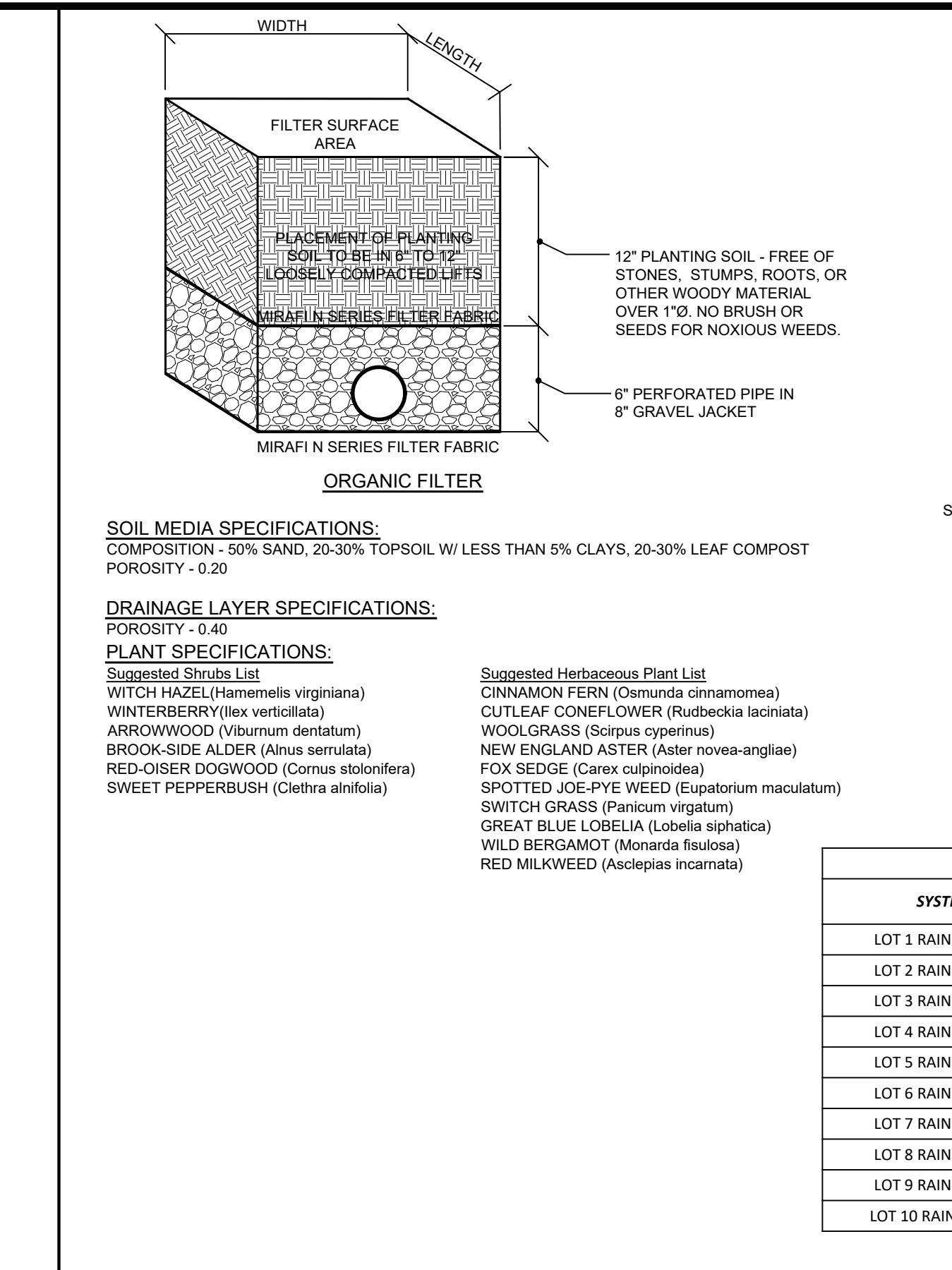
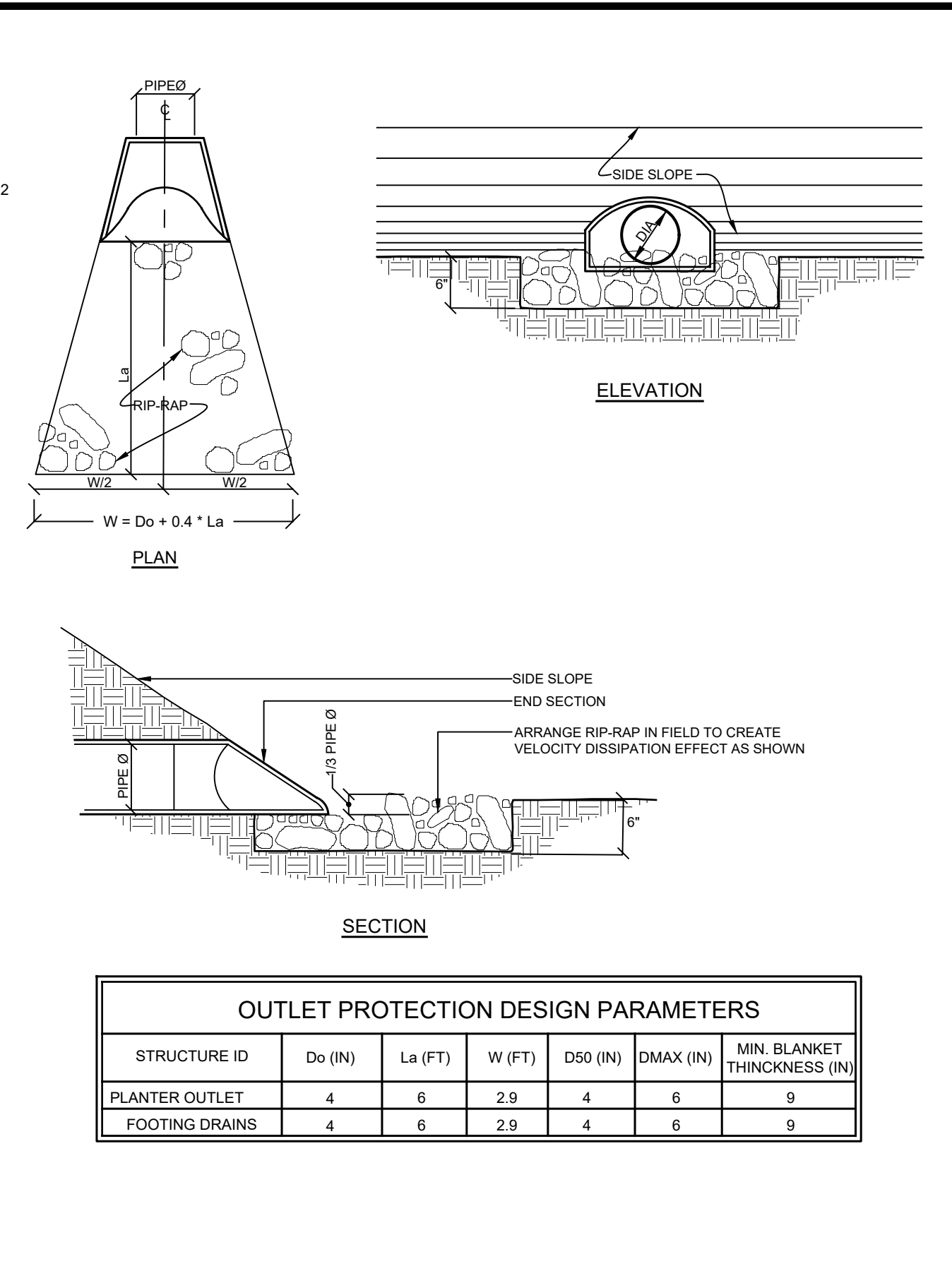
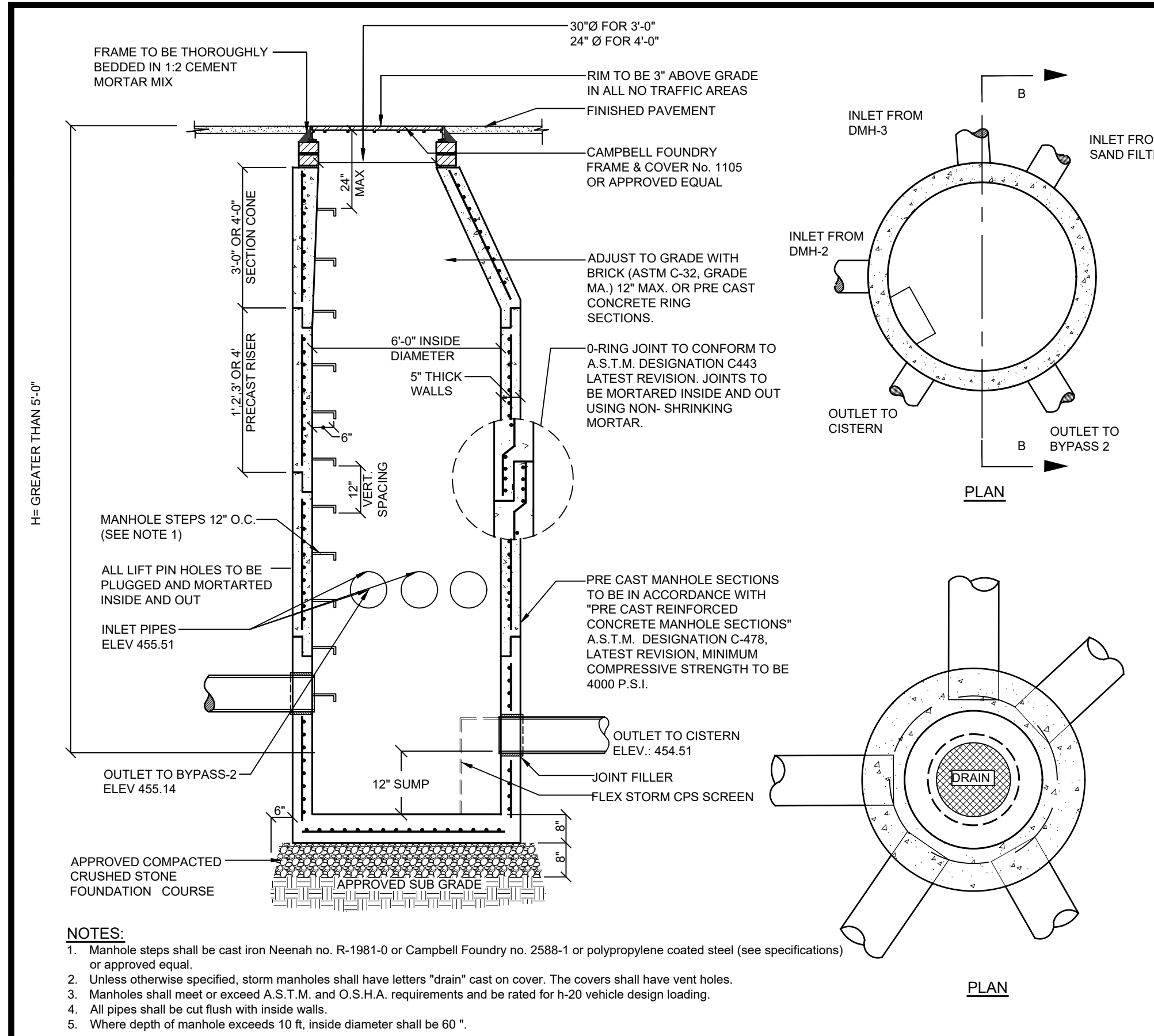
Revisions:	No.	Date	Comments
1	10/7/21	Plan Revisions	
2	2/21/23	Free Update	
3	12/11/23	Free Update	
4	2/29/24	CB Comments	

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

STORMTECH
DETAILS

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

Sheet 17 of 18



Site Design Consultants
 Civil Engineers • Land Planners
 251-J Underhill Avenue, Yorktown Heights, NY 10598
 (914) 962-4488 - Fax: (914) 962-7386
 www.sitedesignconsultants.com

PROJECT # 21-18

REVISIONS:

No.	Date	Comments
1	10/7/21	Plan Revisions
2	2/21/23	File Update
3	12/11/23	File Update
4	2/29/24	CB Comments

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

DRAINAGE DETAILS

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 3319 STONY STREET
 Town of Yorktown
 Westchester County, New York