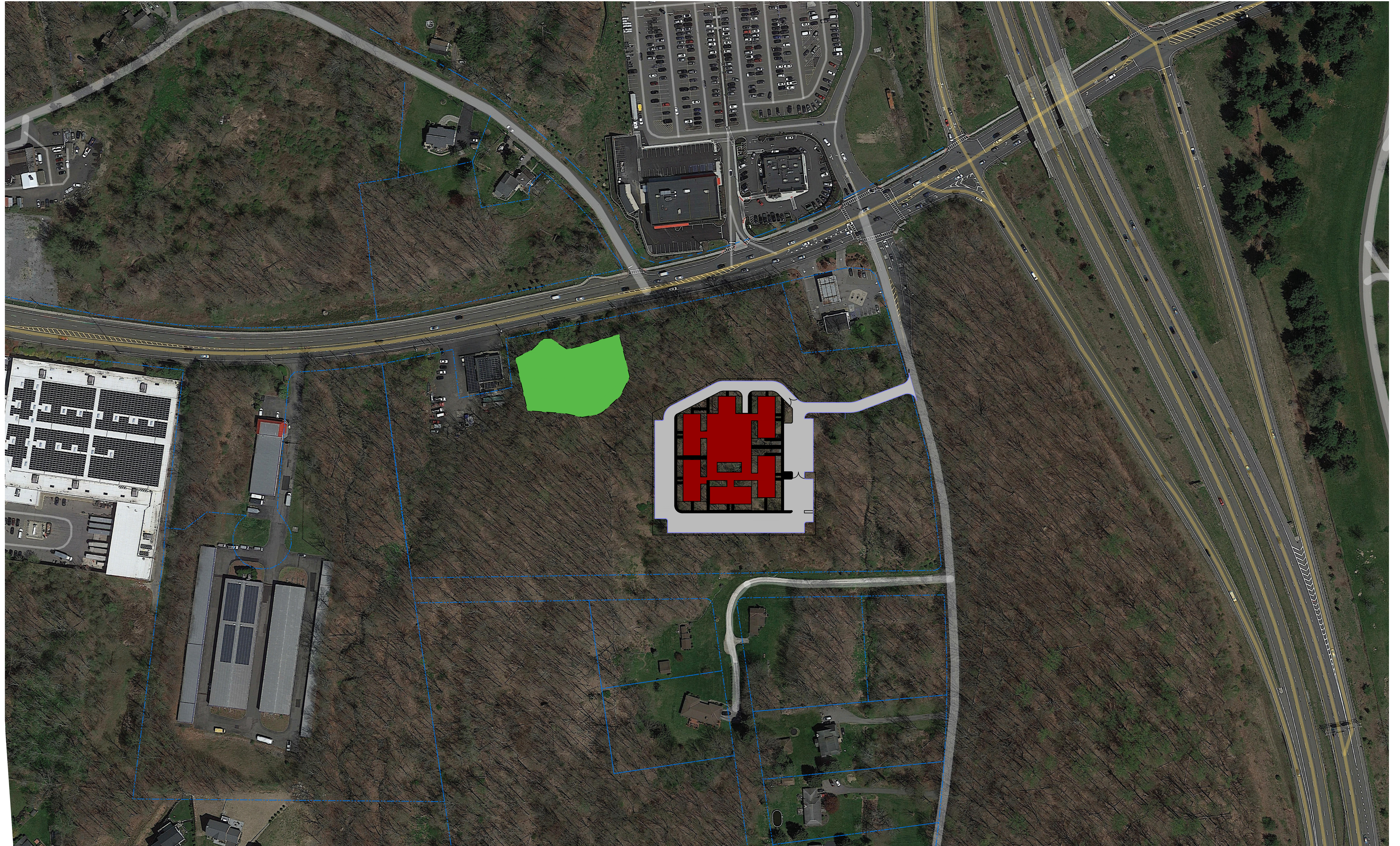


GUIDING EYES FOR THE BLIND TRAINING SCHOOL KENNEL



LOCATION MAP
NOT TO SCALE



Site Design Consultants

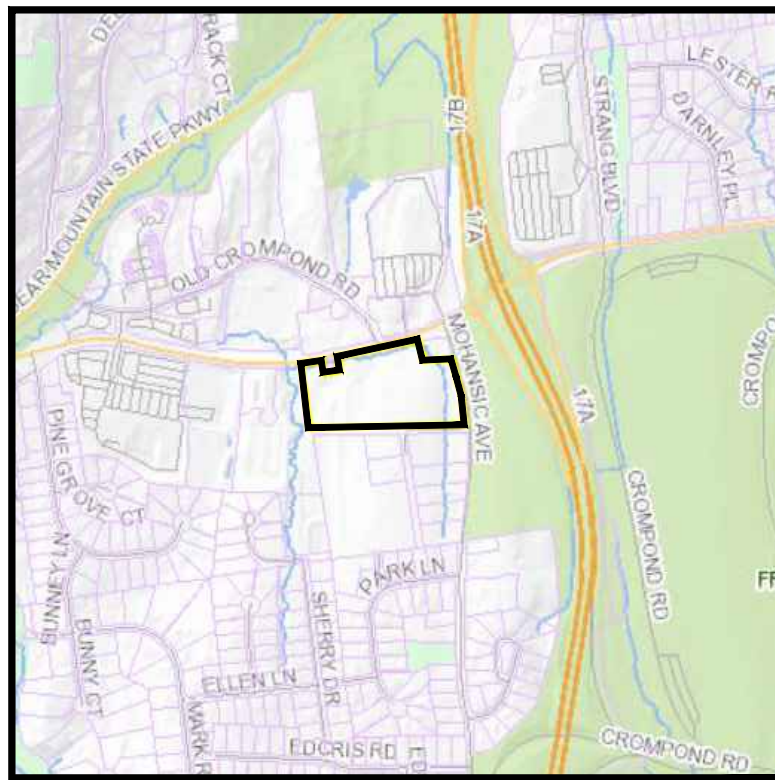
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AUGUST 2, 2023

20230802 GUIDING EYES FOR THE BLIND TRAINING SCHOOL KENNEL SITE PLAN 25 SWAN DRIVE YORKTOWN HEIGHTS, NY

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



LOCATION MAP
NOT TO SCALE

SITE DATA:

OWNER : TEMPLE OF ISRAEL
3241 CROMPOND ROAD
YORKTOWN HEIGHTS, NY 10598

APPLICANT / DEVELOPER: GUIDING EYES FOR THE BLIND
611 GRANITE SPRINGS ROAD
YORKTOWN HEIGHTS, NY 10598

PROJECT LOCATION: 3241 CROMPOND ROAD
YORKTOWN HEIGHTS, NY 10598

EXISTING TOWN ZONING: IN, PLANNED INTERCHANGE DISTRICT (1)

PROPOSED USE: IN, PLANNED INTERCHANGE DISTRICT

TOWN TAX MAP DATA: SECTION 36.06, BLOCK 2, LOT 72

SITE AREA : 12.2 ACRES (532,231 SF)

SEWAGE FACILITIES: PUBLIC SEWERS

WATER FACILITIES: PUBLIC WATER FACILITIES

PARKING SCHEDULE

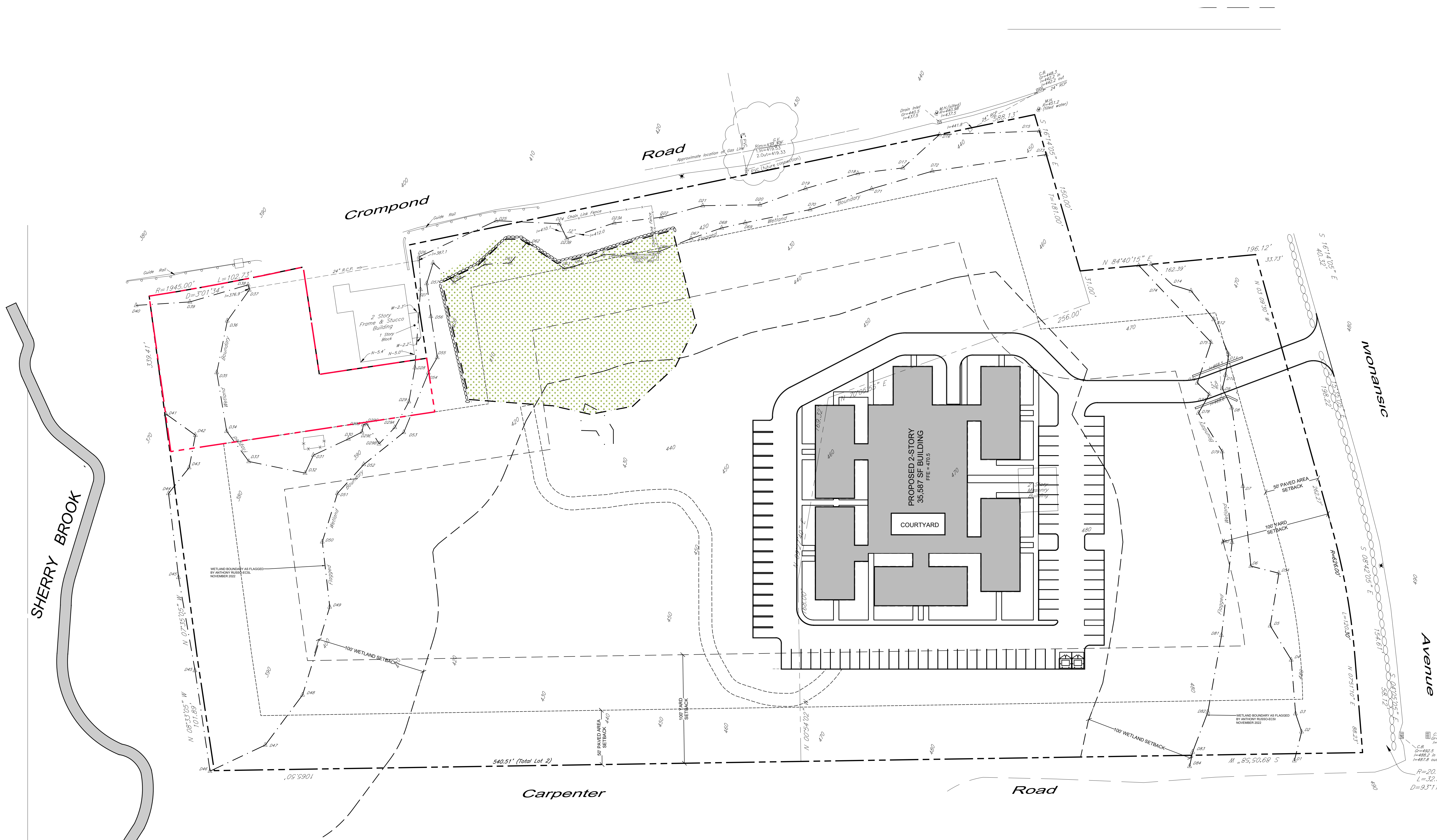
REQUIRED PARKING:	2 PARKING SPACES PER 3 EMPLOYEES
TRAINING SCHOOL KENNEL:	89 EMPLOYEES = 89 EMPLOYEES (2 SPACES/ 3 EMPLOYEES) = 59 SPACES
PROVIDED PARKING:	83 STANDARD 2 HANDICAP
TOTAL PROVIDED PARKING:	85 SPACES
PARKING VARIANCE REQUIRED:	0 SPACES

DISTURBANCE AREA	PROJECT DISTURBANCE		TOTALS
	IMPERVIOUS	NON-IMPERVIOUS	
NON-BUFFER	78,882 SF	65,019 SF	143,901 SF
BUFFER	4,318 SF	6,104 SF	10,422 SF
WETLAND	677 SF	0	677 SF
LANDFILL	0	30,000 SF	30,000 SF
TOTALS	83,877 SF	101,123 SF	185,000 SF = 4.28 AC.

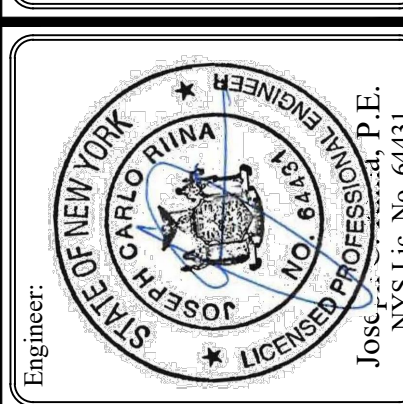
ZONING SCHEDULE:

DIMENSIONAL REGULATIONS:	IN, PLANNED INTERCHANGE DISTRICT (1)		
	REQUIRED	PROVIDED	VARIANCE REQUIRED
MINIMUM SIZE OF LOT: MINIMUM LOT AREA: MINIMUM LOT FRONTAGE:	10 ACRES 100 FT.	12.2 ACRES 462 FT.	NONE NONE
MINIMUM YARD DIMENSIONS: PRINCIPAL BUILDING: FRONT YARD SETBACK: REAR YARD SETBACK: ONE SIDE YARD SETBACK: COMBINED SIDE YARD SETBACK:	100 FT. 100 FT. 100 FT. 100 FT.	274 FT. 609 FT. 110 FT. 447 FT.	NONE NONE NONE NONE
ACCESSORY BUILDINGS: FRONT YARD SETBACK: REAR YARD SETBACK: ONE SIDE YARD SETBACK: COMBINED SIDE YARD SETBACK:	100 FT. 100 FT. 100 FT. 100 FT.	N/A N/A N/A N/A	NONE NONE NONE NONE
MAXIMUM % OF LOT TO BE OCCUPIED: PRINCIPAL BUILDING COVERAGE: ACCESSORY BUILDING COVERAGE: MAXIMUM FLOOR RATIO:	15% OF LOT AREA 15% OF LOT AREA 0.4	5.6 % OF LOT AREA N/A 0.04 FT.	NONE NONE NONE
MAXIMUM HEIGHT: PRINCIPAL BUILDING - FEET: ACCESSORY BUILDING - FEET:	35 FEET 35 FEET	≤ 35 FEET ≤ 35 FEET	NONE NONE

ZONING REGULATION NOTES:
1. REGULATIONS AS STATED IN § 300-154 OF THE TOWN CODE OF THE TOWN OF YORKTOWN.



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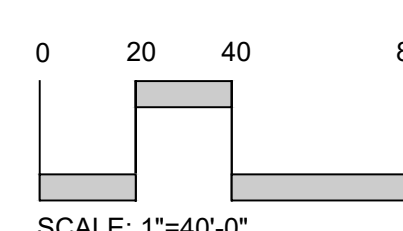
NO.	DATE	DESCRIPTION
1.	1/25/23	Planning Schedule
2.	1/26/23	Site Revision
3.	2/02/23	Final Issues

SCALE: 1"=40'-0"
DRAWN BY: JR
DATE: 1/05/2023

OVERALL SITE PLAN

PRELIMINARY PLAN
PREPARED FOR
GUIDING EYES FOR THE BLIND - TRAINING SCHOOL KENNEL
3241 CROMPOND ROAD
Westchester County, New York
Town of Yorktown

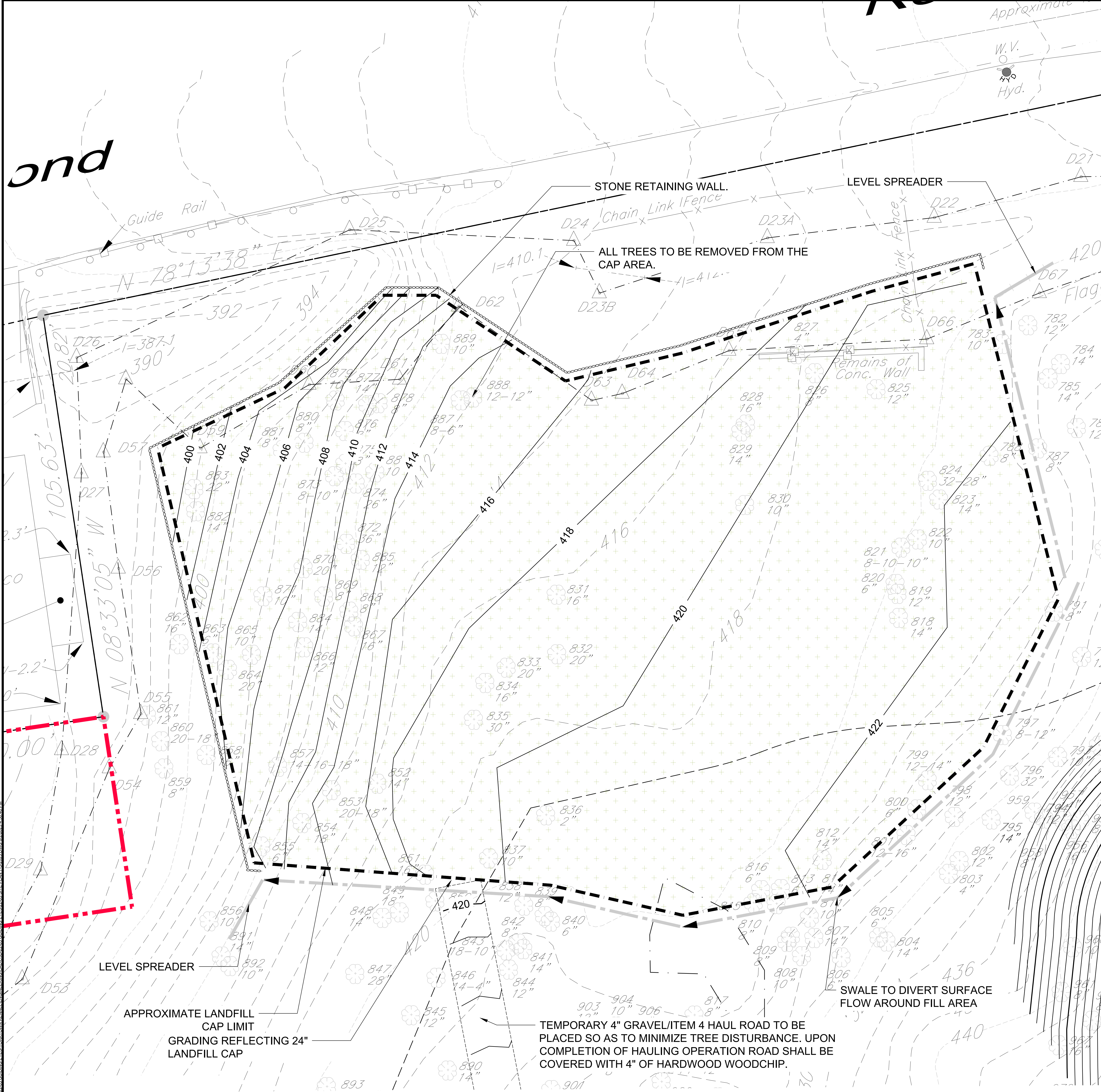
Sheet **C-101**



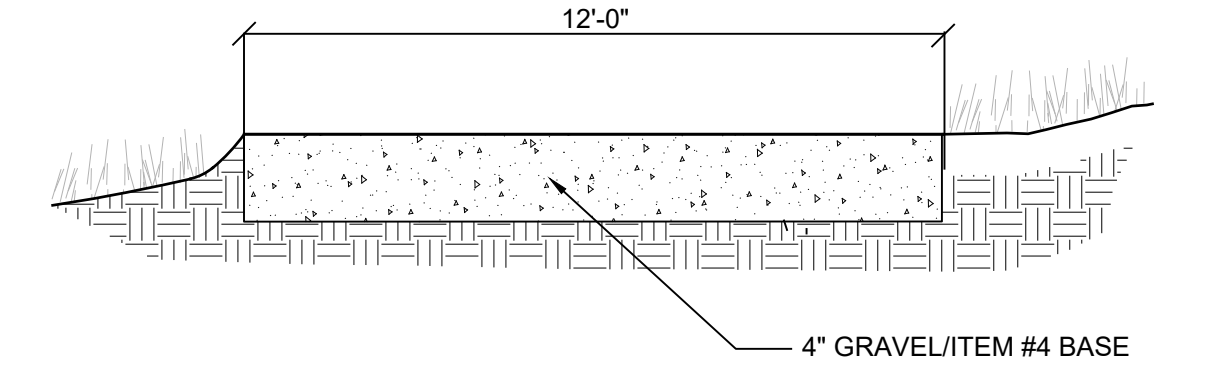
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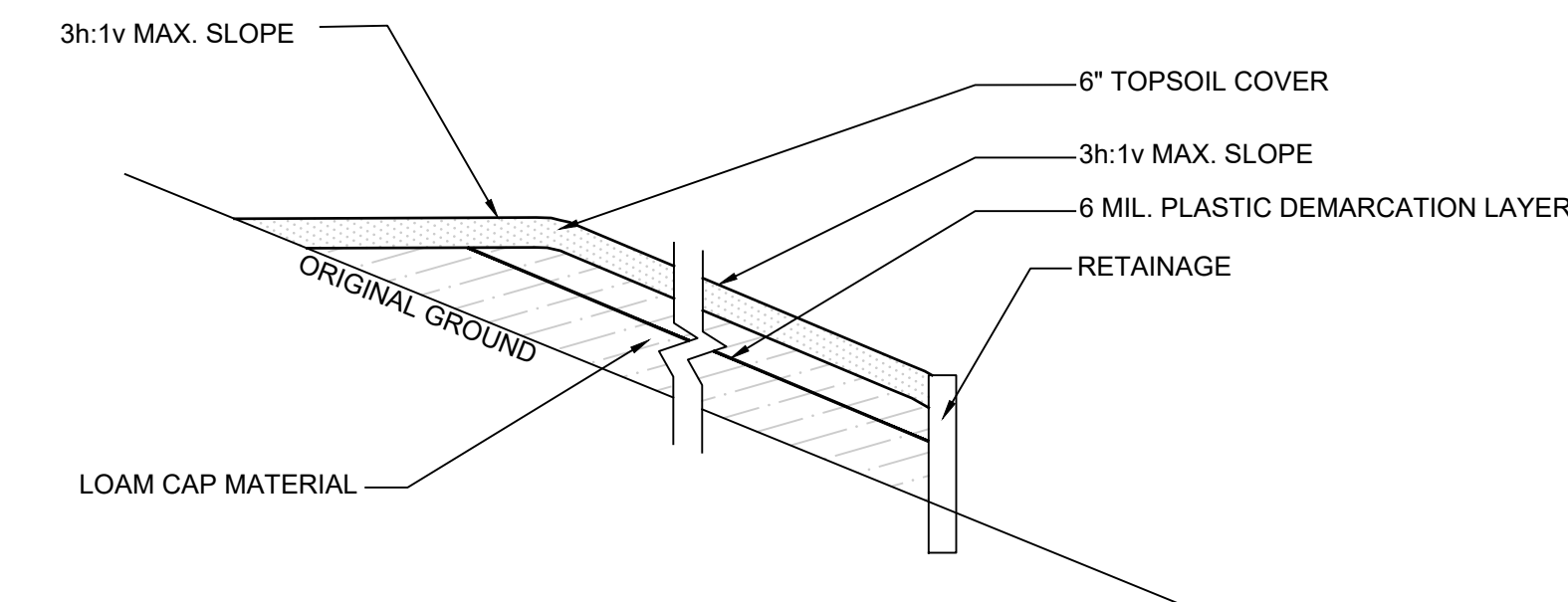
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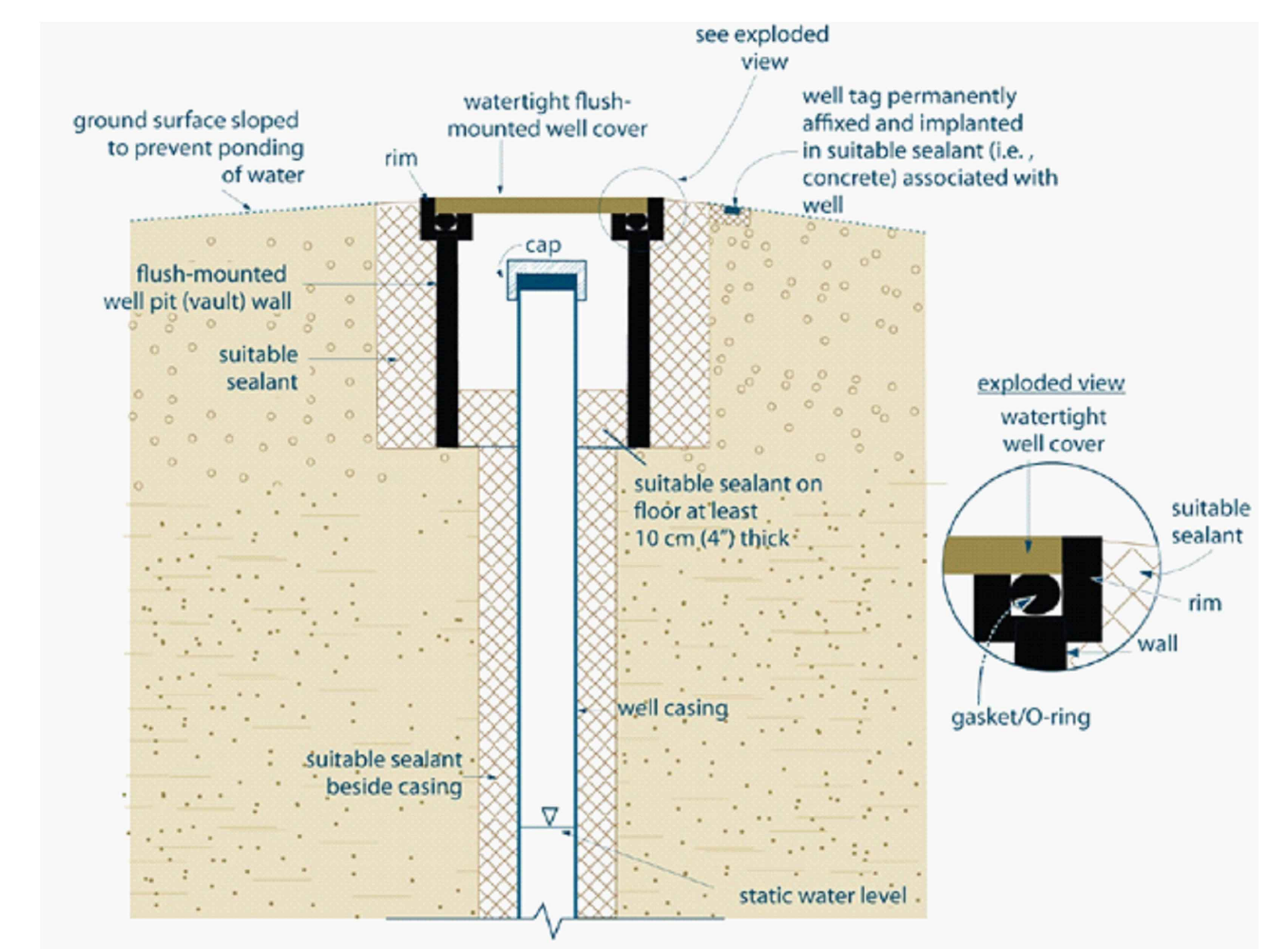
- LANDFILL CAP NOTES:**
- "The soil cap will be constructed after removal and off-site disposal of surface waste materials (including residual waste residues) and grading of existing clear soils to match up with the final grades of the proposed soil cap. The 18-inches of loams will be applied at 12-inch lifts and compacted with mechanical means and periodically/randomly tested with a penetrometer to meet 98 percent compaction."
 - "During application of topsoil, efforts will be made to avoid compaction of topsoil. Application of topsoil will be staged in conjunction with application of seed and hay in accordance with an Erosion and Sedimentation Plan."
 - "Constructed retaining materials will consist of materials (i.e., pre-fabricated concrete; boulders or comparable) suitable to retain the proposed 24-inch soil cap, and to protect existing nearby water resources."
 - It is estimated that approximately 1,700 cubic yards of loam soils and 600 cubic yards of topsoil are required to properly cap the north landfill area. All soils will be obtained from the construction of the proposed new GEB facility within the eastern portions of the 12.5-acre parcel.
 - A stone access road will be constructed from the building site and to the north landfill area to facilitate placement of soils for cap construction. Long term stockpiling (greater than 3-days) of cap construction materials will take place west of the building site; temporary stockpiling will take place only on a daily basis, immediately south of the north landfill limits, in order to accommodate placement, grading and compaction of the soil cap while the proposed GEB facility is under construction. The soil cap will be completed in conjunction with the construction of the proposed new GEB facility. The stone road will be covered with hardwood mulch after cap construction is completed and all disturbed areas (including the cap topsoil surface) is stabilized with a minimum of 85-percent vegetation cover. For temporary stabilization throughout all disturbed areas during cap construction, as well as the topsoil layer of the cap, annual ryegrass (*Lolium perenne* ssp. *multiflorum*) will be applied at a rate of 30 lbs./acre. For permanent stabilization throughout all disturbed areas of the site, as well as the topsoil layer of the cap, a seed mix containing 30% annual ryegrass (*Lolium perenne* ssp. *multiflorum*) and a 70% mixture of 2 or more native grasses such as big bluestem (*Andropogon gerardii*), little bluestem (*Schizachyrium scoparium*), switchgrass (*Panicum virgatum*), Indiangrass (*Sorghastrum nutans*), tufted hairgrass (*Deschampsia cespitosa*), deer tongue (*Dichanthelium clandestinum*), Canada wild rye (*Elymus canadensis*), Virginia wild rye (*Elymus virginicus*), and/or sideots grama (*Bouteloua curtipendula*) will be applied; this mixture will be seeded at a rate of 30 lbs./acre. Hay mulch will be applied atop seed mixes for temporary and permanent stabilization at a minimum thickness of 2-inches.
 - Prior to cap construction, all surface waste and underlying residual soils immediately below the waste will be excavated, placed into roll-off containers and transported to a NYSDEC permitted disposal facility. A qualified and fully permitted hauler will be retained by GEB to complete these activities. Samples required by representatives of the final destination disposal site to confirm waste quality for disposal at their facility will be obtained and provided as necessary; these matters will be conveyed to the NYSDEC prior to conducting sampling and analysis for waste disposal.
 - All loam soils used for cap construction will be applied in 12-inch lifts and compacted by way of mechanical means to meet a 98-percent compaction rating; this rating will be confirmed using a penetrometer (or comparable device). Compaction will only be performed on the 18-inch loam soil portion of the 24-inch cap; the final 6-inch topsoil layer will not be compacted; measures will be implemented to protect the topsoil layer from compaction, prior to the application of seed and mulch.
 - Given that 10 to 15 percent slopes exist along the western and northern stream sections of the north landfill area, soil retainage will be provided to ensure that the 24-inch soil cap will remain stabilized and intact.
 - Visible intermittent surface and shallow subsurface water observed as part of test pit excavations in the areas just beyond the eastern and southeastern corners of the proposed soil cap, will be routed away from the capped landfill area, retained and discharged at a point along the north stream section. All surface water generated by the cap will be directed by proposed surrounding swales to the east, south and west as uncontaminated storm water.



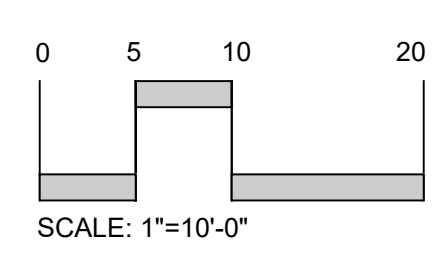
TEMPORARY HAUL ROAD DETAIL
NOT TO SCALE



TYPICAL CAP FILL SECTION
NOT TO SCALE

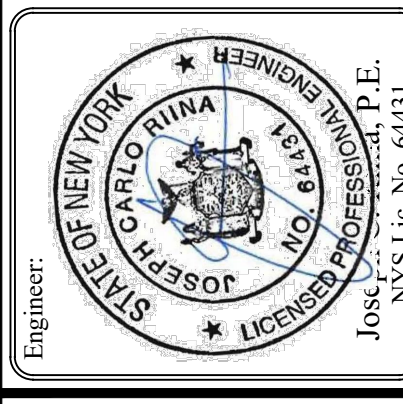


MONITORING WELL COVER
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Revisions:	Date:	Comments:
1	12/23/23	Perkins, Scaled
2	1/6/24	Site Revision
3	3/22/24	Final Issues

SCALE: 1"=10'
DRAWN BY: JR
DATE: 1/05/2023

LANDFILL CAPPING PLAN

PRELIMINARY PLAN
PREPARED FOR:
GUIDING EYES FOR THE BLIND - TRAINING SCHOOL KENNEL
3241 CROMPOD ROAD
Westchester County, New York
Town of Yorktown

Sheet **C-108**

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

17/02/23 12:48:24 PM C:\WORK\2023\03 GUIDING EYES FOR THE BLIND ENGINEERING\CA00000000\2023\03 GUIDING EYES FOR THE BLIND TREE CHART.DWG

Table with columns: TREE TAG NUMBER, COMMON NAME, SCIENTIFIC NAME, NUMBER OF STEMS, DIAMETER AT BREAST (DBH IN INCH), PROPOSED CONSTRUCTION, TREE CONDITIONS, INVASIVE SPECIES, SPECIMEN TREE. Contains tree inventory data for the first section of the site.

Table with columns: TREE TAG NUMBER, COMMON NAME, SCIENTIFIC NAME, NUMBER OF STEMS, DIAMETER AT BREAST (DBH IN INCH), PROPOSED CONSTRUCTION, TREE CONDITIONS, INVASIVE SPECIES, SPECIMEN TREE. Contains tree inventory data for the second section of the site.

Table with columns: TREE TAG NUMBER, COMMON NAME, SCIENTIFIC NAME, NUMBER OF STEMS, DIAMETER AT BREAST (DBH IN INCH), PROPOSED CONSTRUCTION, TREE CONDITIONS, INVASIVE SPECIES, SPECIMEN TREE. Contains tree inventory data for the third section of the site.

Table with columns: TREE TAG NUMBER, COMMON NAME, SCIENTIFIC NAME, NUMBER OF STEMS, DIAMETER AT BREAST (DBH IN INCH), PROPOSED CONSTRUCTION, TREE CONDITIONS, INVASIVE SPECIES, SPECIMEN TREE. Contains tree inventory data for the fourth section of the site.

Table with columns: TREE TAG NUMBER, COMMON NAME, SCIENTIFIC NAME, NUMBER OF STEMS, DIAMETER AT BREAST (DBH IN INCH), PROPOSED CONSTRUCTION, TREE CONDITIONS, INVASIVE SPECIES, SPECIMEN TREE. Contains tree inventory data for the fifth section of the site.

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Revisions table with columns: NO., DATE, COMMENTS, and a list of revision entries.

Scale and Drawing Information table with columns: SCALE, DRAWING, and DATE.

PRELIMINARY PLAN FOR GUIDING EYES FOR THE BLIND - TRAINING SCHOOL KENNEL, 3241 CROMPOND ROAD, Town of Yorktown, Westchester County, New York. Includes a large tree inventory chart.

Sheet C-109 information and project details: PROJECT # 22-03, COPYRIGHT © 2022 BY SITE DESIGN CONSULTANTS. ALL RIGHTS RESERVED.

Revisions	No.	Date	Comments
	1	1/25/23	Planning, Schematic
	2	1/26/23	Site Revision
	3	3/20/23	Final Issues

Scale:	###/###
Drawn By:	JR
Date:	1/05/2023

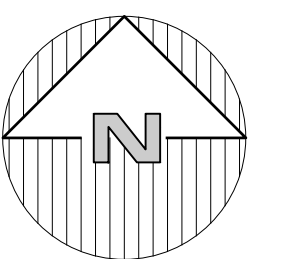
LIGHTING PLAN

PRELIMINARY PLAN GUIDING EYES FOR THE BLIND - TRAINING SCHOOL KENNEL 3241 CROMPOND ROAD Westchester County, New York Town of Yorktown

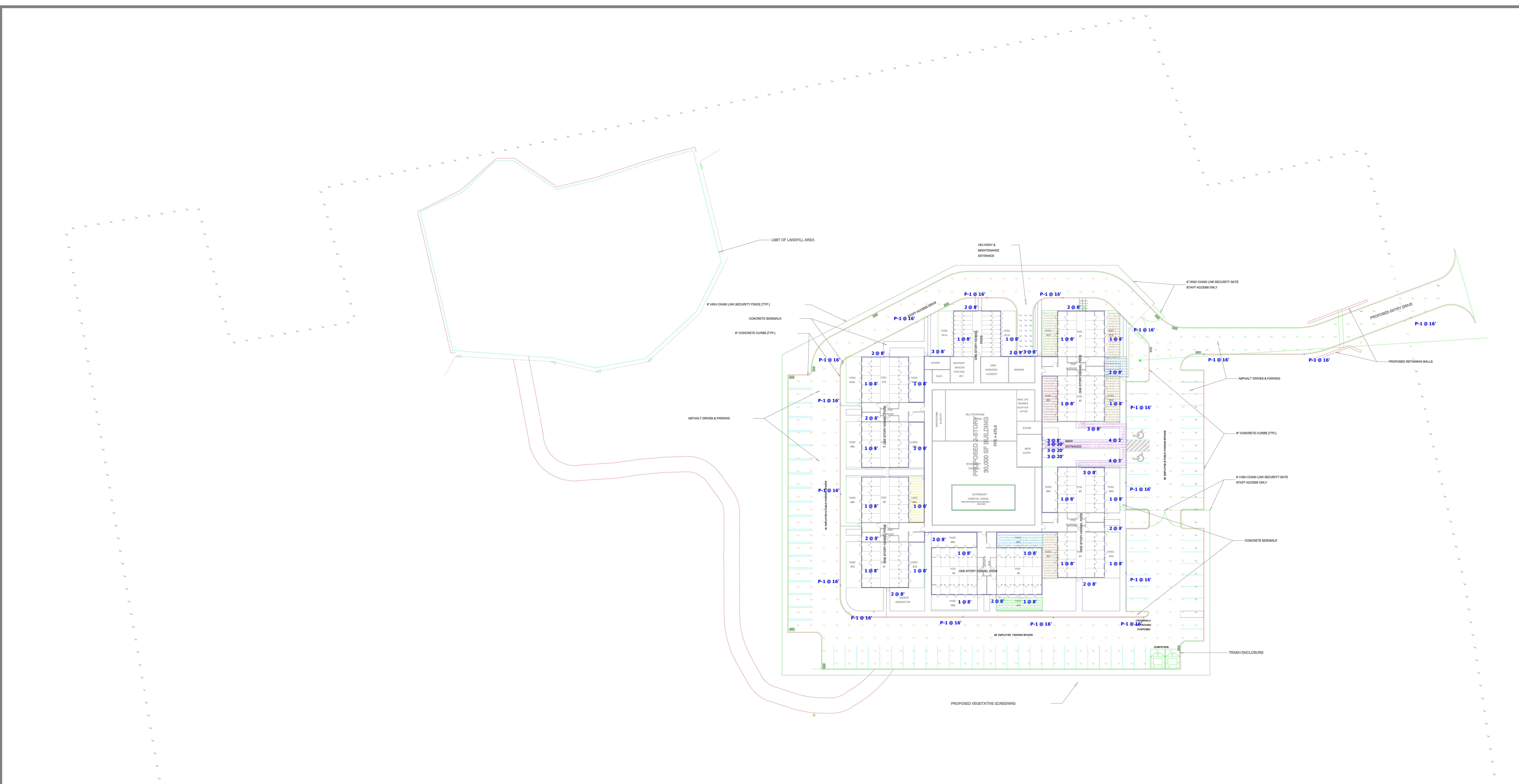


Guiding Eyes Yorktown, NY Exterior Building Mounted Lighting Site Lighting Mounted 16' AFF

Designer
 Andrew Gross, LC
Date
 07/06/2023
Scale
 Not to Scale
Drawing No.
 Version 2A
Summary



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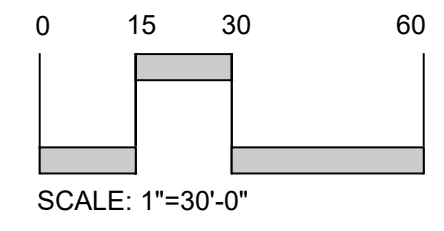
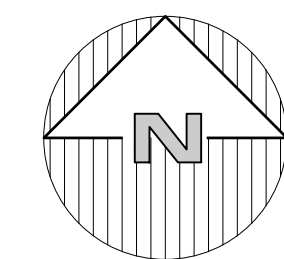
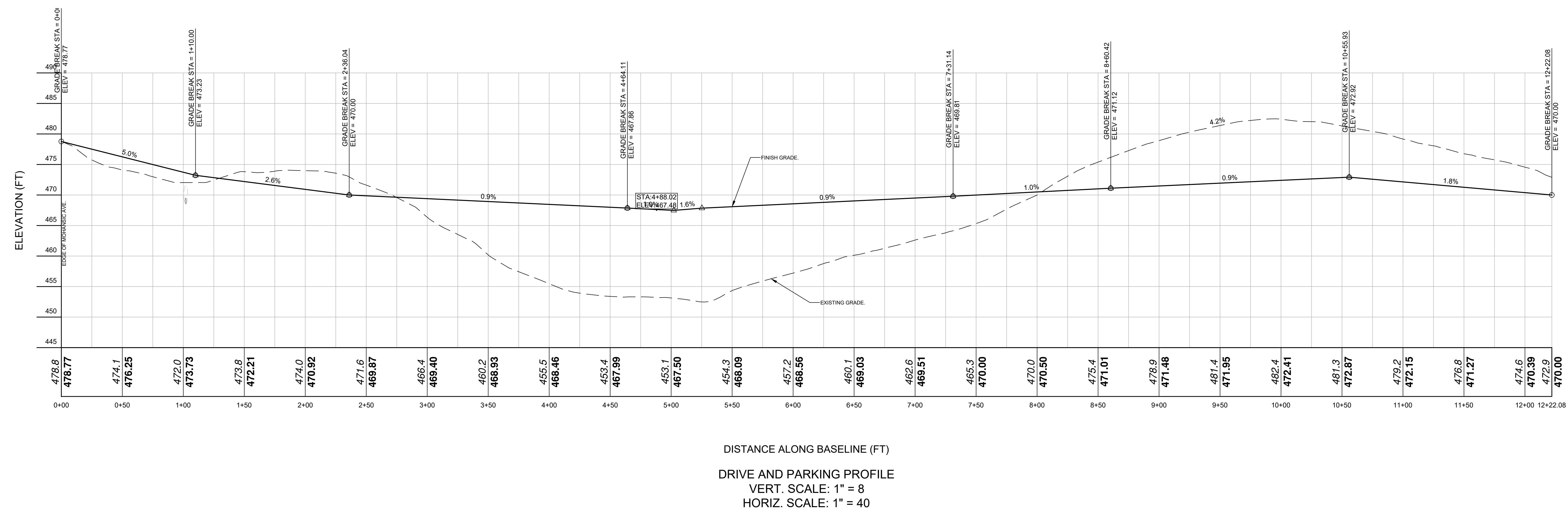
Symbol	Label	Manufacturer	Catalog	Description	Number Lamps	Lamp Output	LLF	Input Power
1	Signify Stonco Keene	LPW-16-30-NW-G3-2-2021	LPW16-16 LED's, 4000K CCT, TYPE 2 OPTIC.		1	4088	0.9	34.3
2	naturalLED	LED FX CWP 80/40K	9443 LED-FXCWP80/40K/BZ		1	9905	0.9	80.7
3	AFX	GUSW1010LAJENBK	Wall Mounted Outdoor Sconce		1	940	0.9	12.42
4	CREE LIGHTING	C-80-A-BLD 2L 40K T5 36	C-80-A-BLD-2L-40K-T5-xx		1	2450	0.9	19
P-1	Lithonia Lighting	DSXWPM LED 20C 530 40K T3M MVOLT	DSXWPM LED WITH (2) 10 LED LIGHT ENGINES, TYPE T3M OPTIC, 4000K, @ 530mA.		1	4287	0.9	34.9

NOTE: All Building Mounted Fixture Selections and Locations By Architect

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Entry Drive	+	1.2 fc	2.1 fc	0.6 fc	3.5:1	2.0:1
Front Entry Area	+	2.0 fc	7.1 fc	0.0 fc	N/A	N/A
Garage Entry	+	8.9 fc	33.6 fc	0.5 fc	67.2:1	17.8:1
Parking Areas	+	1.2 fc	5.1 fc	0.1 fc	51.0:1	12.0:1
Pod 1 & 2 Exterior Entry	+	16.4 fc	42.8 fc	3.1 fc	13.8:1	5.3:1
Pod 1 Exterior Entry	+	28.5 fc	41.2 fc	14.9 fc	2.8:1	1.9:1
Yard5B	+	8.1 fc	20.1 fc	1.8 fc	11.2:1	4.5:1
Yard 1A	+	7.8 fc	19.8 fc	1.5 fc	13.2:1	5.2:1
Yard 1B	+	8.8 fc	20.0 fc	2.7 fc	7.4:1	3.3:1
Yard 2A	+	6.2 fc	19.2 fc	1.1 fc	17.5:1	5.6:1
Yard 2B	+	8.6 fc	20.4 fc	2.0 fc	10.2:1	4.3:1
Yard 4A	+	6.4 fc	18.9 fc	1.5 fc	12.6:1	4.3:1
Yard 5A	+	6.6 fc	18.9 fc	1.6 fc	11.8:1	4.1:1
Yard 8B	+	6.7 fc	18.8 fc	1.8 fc	10.4:1	3.7:1
Approximate Property Line Trespass	+	0.0 fc	1.7 fc	0.0 fc	N/A	N/A

Note
 1. Photometric model elements such as buildings, plants, furnishings or any architectural details which impact the dispersion of light MUST be "detailed" by the customer documents for inclusion in the lighting design model. Elevations provided did not include elements such as height to underside of roof eaves, heights to location of signage or garage height.
 2. Mounting height determination is job site specific, our lighting simulation indicates the height to the center of the luminaire.
 3. The calculated results of this lighting simulation represent an anticipated prediction of system performance. Actual results may vary from anticipated performance based on actual field conditions and luminaire locations.

20220226.03 GUIDING EYES, NORTHOWN KENNEL ENGINEERING, 3241 CROMPOND ROAD, SITE PLAN 25-500A, DRIVE APPROX. 1.52'.R.P.M.



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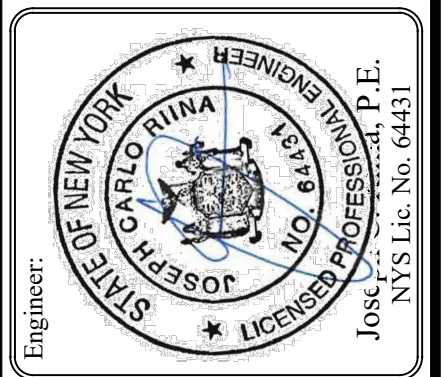
Sheet **C-301**

PRELIMINARY PLAN
 PREPARED FOR
GUIDING EYES FOR THE BLIND - TRAINING SCHOOL KENNEL
 3241 CROMPOND ROAD
 Town of Yorktown
 Westchester County, New York

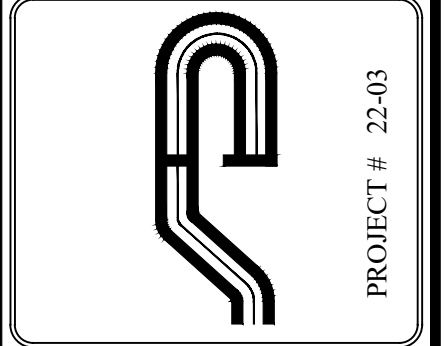
DRIVEWAY ACCESS PROFILE

SCALE: 1"=20'-0"
 DRAWN BY: JR
 DATE: 1/05/2023

NO.	DATE	COMMENTS
1.	1/25/23	Planning, Schematic
2.	1/26/23	Site Revision
3.	2/02/23	Final Issues

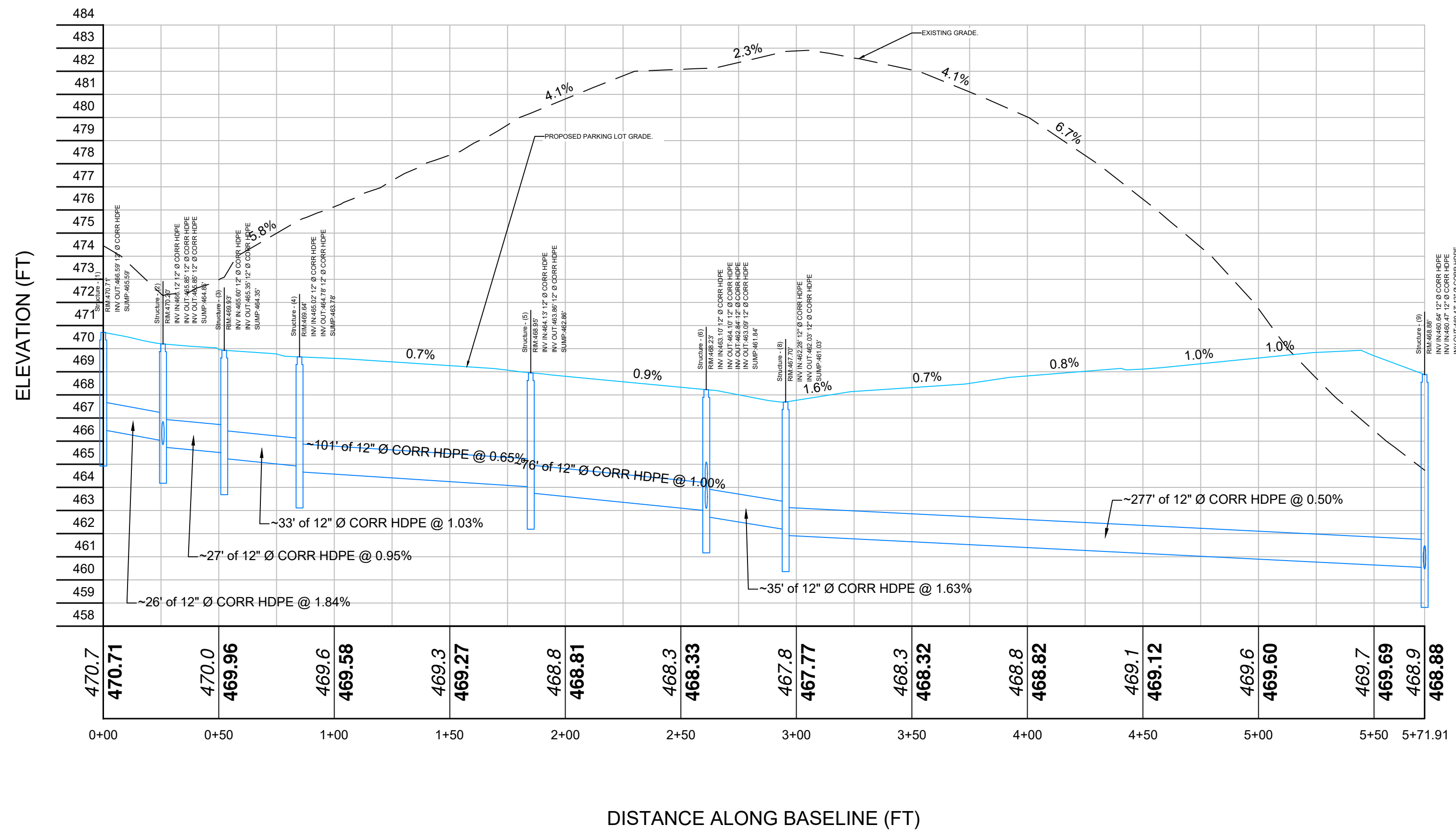


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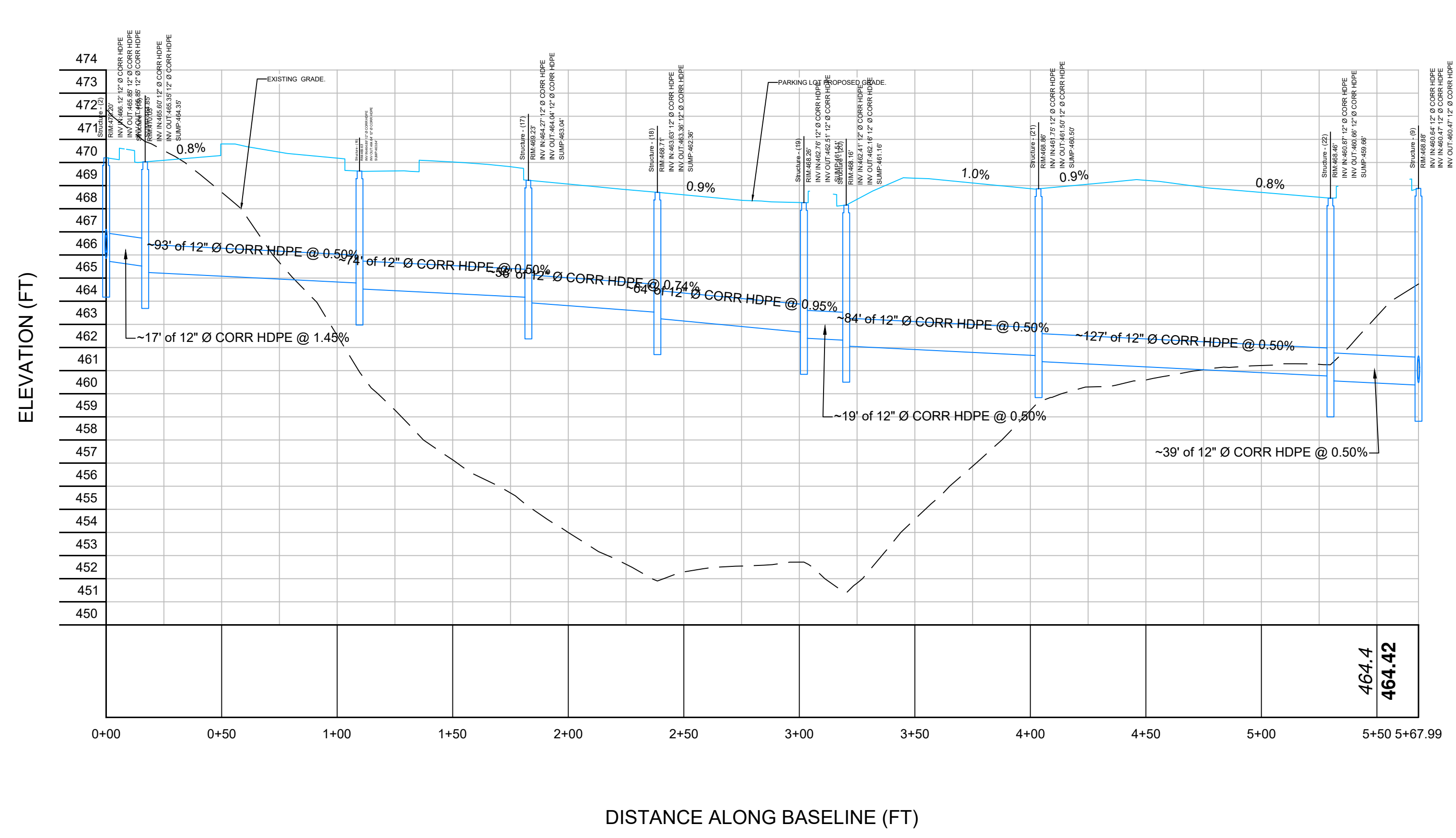


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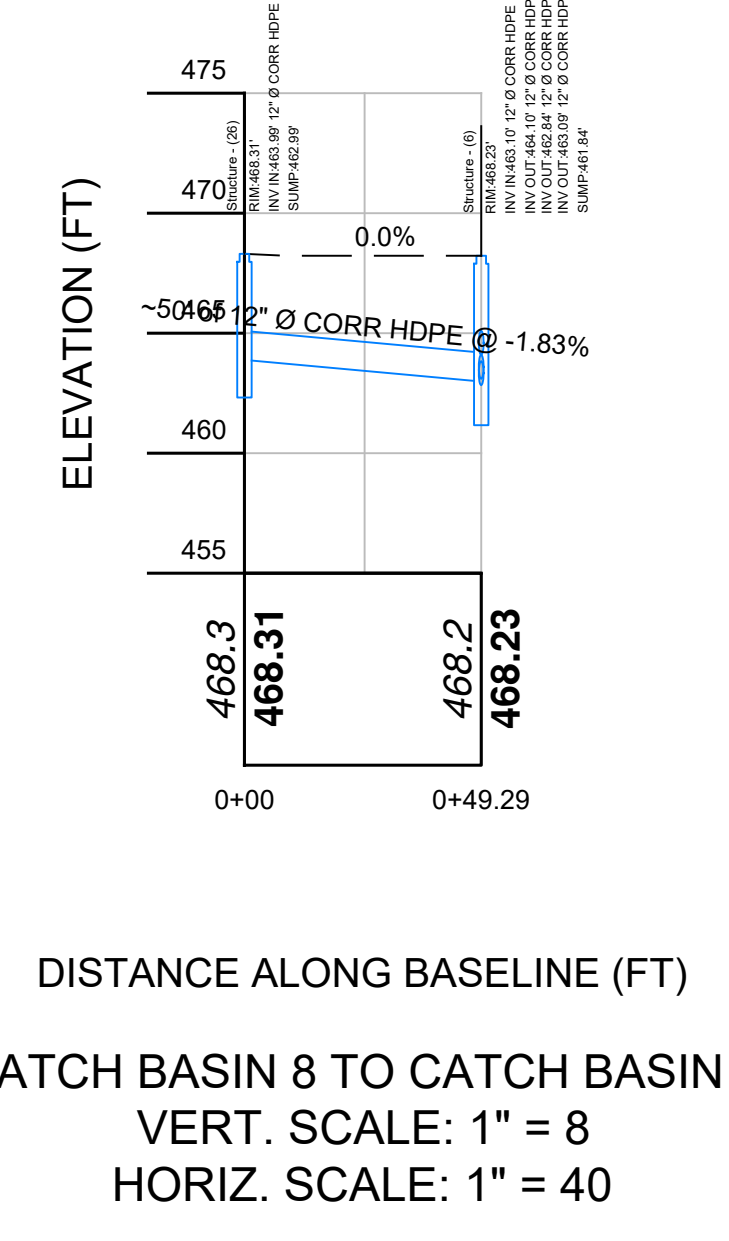
PROJECT # 22-03



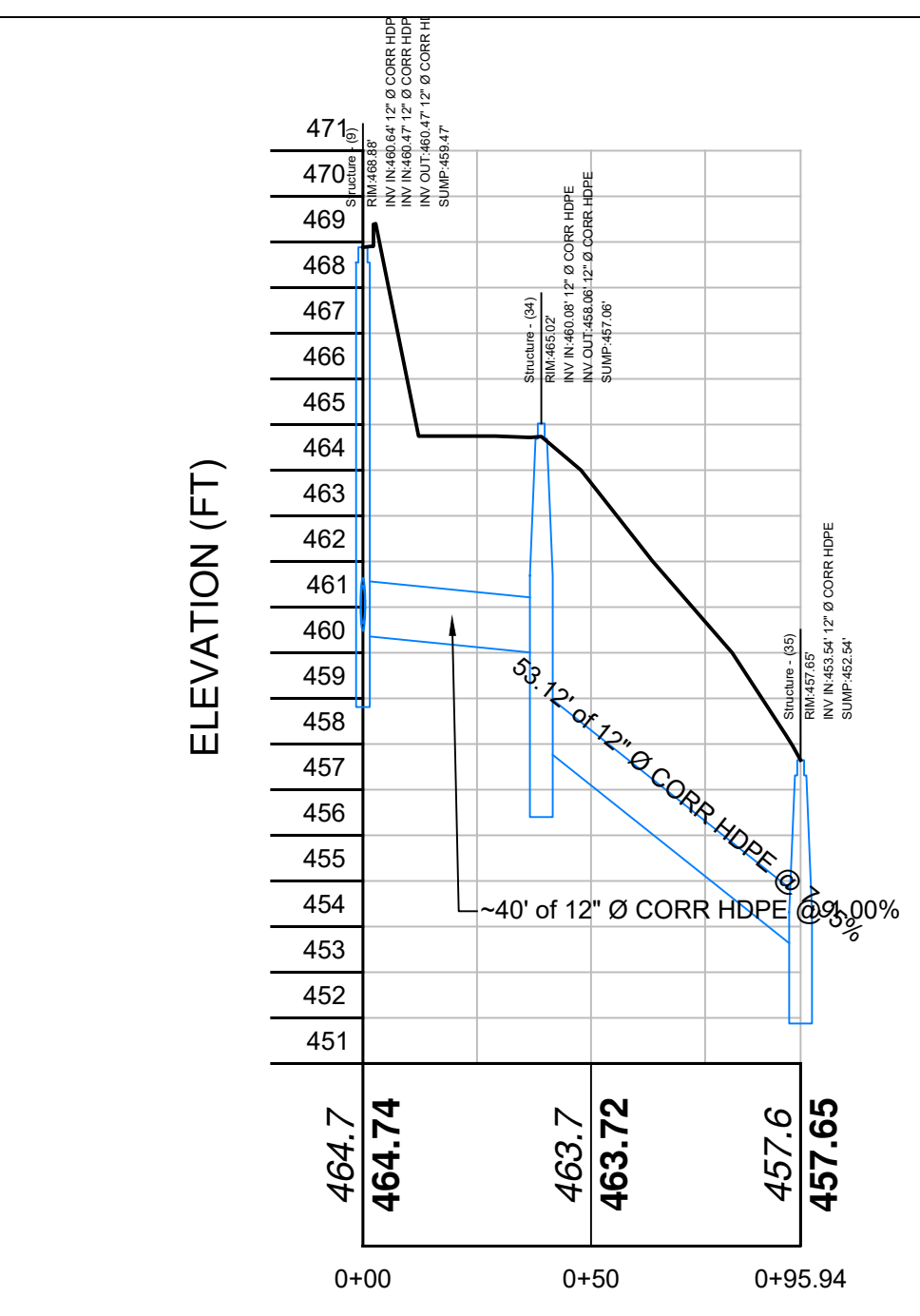
STORMWATER DRAINAGE SYSTEM #1
 VERT. SCALE: 1" = 4
 HORIZ. SCALE: 1" = 40



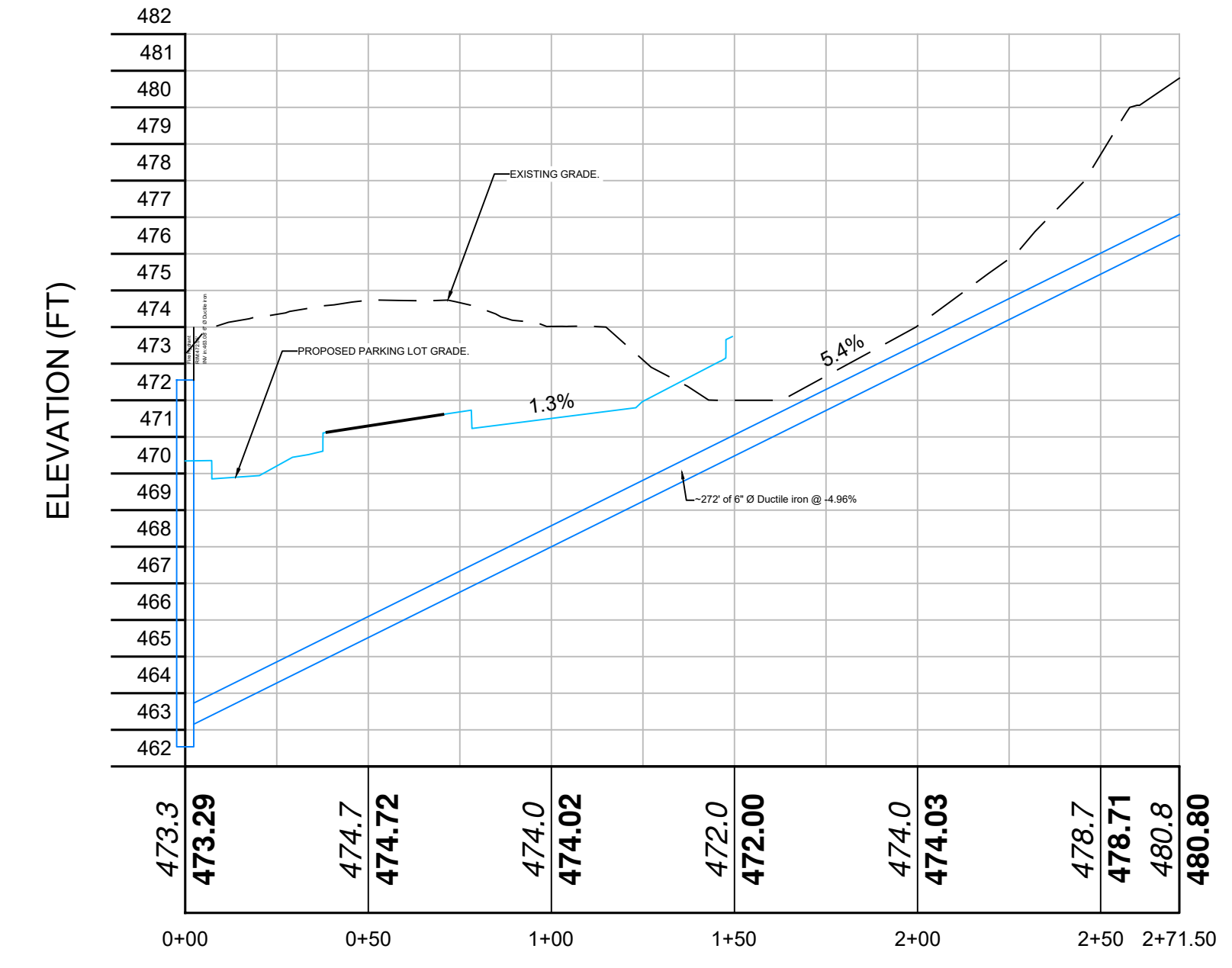
STORMWATER DRAINAGE SYSTEM #2
 VERT. SCALE: 1" = 4
 HORIZ. SCALE: 1" = 40



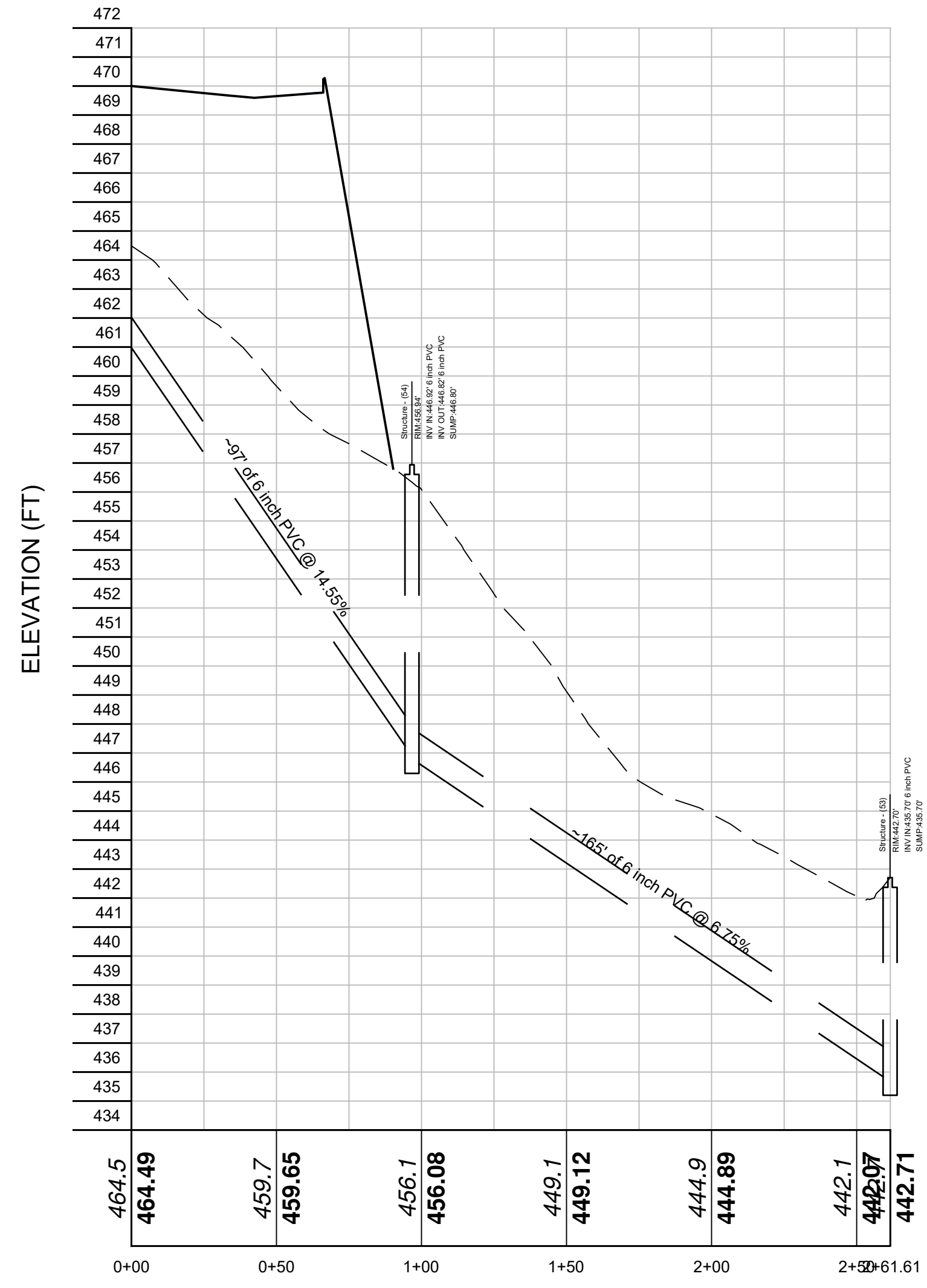
CATCH BASIN 8 TO CATCH BASIN 7
 VERT. SCALE: 1" = 8
 HORIZ. SCALE: 1" = 40



CATCH BASIN # 10 TO STORMWATER SYSTEM
 VERT. SCALE: 1" = 4
 HORIZ. SCALE: 1" = 40



WATER MAIN
 VERT. SCALE: 1" = 4
 HORIZ. SCALE: 1" = 40



SEWER LINE SERVICE CONNECTION
 VERT. SCALE: 1" = 4
 HORIZ. SCALE: 1" = 40

2022/05/03 GUIDING EYES, NORTH TOWN ENGINEERS AND ARCHITECTS, 30 CHURCH STREET, SUITE 200, WESTCHESTER, NY 10598, 914.339.1111

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PRELIMINARY PLAN
 1/15/23

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REVISIONS:
 NO. | DATE | COMMENTS
 1. | 1/15/23 | Preliminary Plan
 2. | 1/16/23 | Site Revision
 3. | 02/23 | Final Issues

SCALE:

DRAWN BY: JR

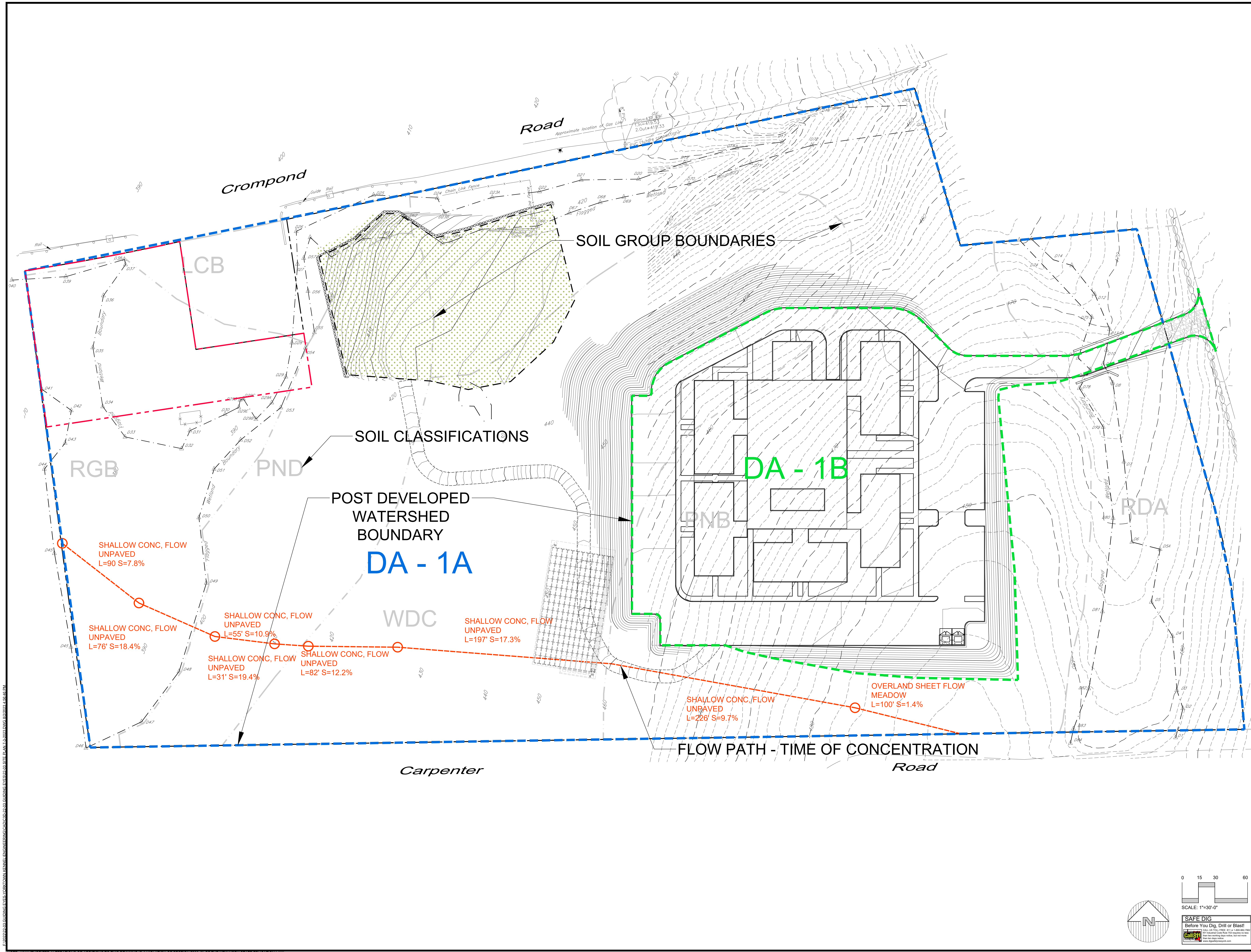
DATE: 1/05/2023

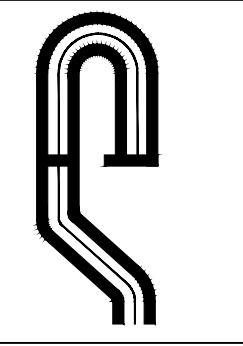
DRAINAGE AND UTILITY
 PROFILES

GUIDING EYES FOR THE BLIND -
 TRAINING SCHOOL KENNEL
 3241 CROMPOND ROAD
 Yorktown
 Westchester County, New York

Sheet C-302

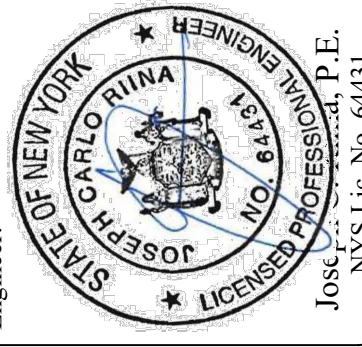
PROJECT # 22-03





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NO.	DATE	COMMENTS
1	1/25/23	Perkins, Sabel
2	1/26/23	Site Revision
3	3/23/23	Final Issues

SCALE: #####/###	DRAWN BY: JR	DATE: 1/05/2023
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POST DEVELOPMENT WATERSHED MAP

GUIDING EYES FOR THE BLIND - TRAINING SCHOOL KENNEL

PRELIMINARY PLAN
PREPARED FOR
3241 CROMPOND ROAD
Yorktown, NY 10598

Sheet

C-402

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.

GENERAL CONSTRUCTION SEQUENCE:

REFER TO THE PLAN SET FOR ALL PLANS AND DETAILS WHICH RELATE TO CONSTRUCTION SEQUENCE.

RECOMMENDED SEQUENCE OF CONSTRUCTION

USE OF EROSION AND SEDIMENT CONTROL STRUCTURES AND PRACTICES ARE IMPORTANT FOR MAINTAINING SITE STABILITY UNDER RUNOFF AND DURING DAILY CONSTRUCTION ACTIVITIES. THE CONSTRUCTION SEQUENCE SHOULD BE STAGED WITH EROSION AND SEDIMENT CONTROLS AS FOLLOWS, WITH ALL CONTROLS IN PLACE AND IMPLEMENTED PRIOR TO RESPECTIVE INFRASTRUCTURE CONSTRUCTION. AS CONSTRUCTION PROCEEDS, THE CONTROLS SHOULD BE MONITORED, MAINTAINED AND REPLACED AS NEEDED. ADDITIONAL CONTROLS MAY BE REQUIRED AS NEEDED TO ADDRESS UNFORESEEN SITUATIONS.

REFER TO THE CONSTRUCTION DRAWINGS FOR ALL PLANS AND DETAILS WHICH RELATE TO THE CONSTRUCTION SEQUENCE. THIS SEQUENCE SHOULD BE FOLLOWED IN CONJUNCTION WITH ALL PLANS, NOTES, AND THE STORMWATER POLLUTION PREVENTION PLAN. PRIOR TO THE COMMENCEMENT OF WORK, THE OWNER AND GENERAL CONTRACTOR SHALL READ AND UNDERSTAND THE SEQUENCE FOR CONSTRUCTION. THE SEQUENCE SHALL BE DISCUSSED AT THE TIME OF THE PRE-CONSTRUCTION MEETING.

DURING CONSTRUCTION OF THE PROJECT, THE CONTRACTOR IS RESPONSIBLE TO COORDINATE ALL REQUIRED INSPECTIONS WITH VARIOUS AGENCIES AND THE PROJECT ENGINEER.

THE TOWN OF YORKTOWN WILL MAKE THE APPLICATION TO THE UTILITY COMPANY (CONED) FOR THE NEW THREE(3) PHASE SERVICE, AS THEY ARE THE OWNERS OF THE LIFT PUMP STATION AND WILL CONTINUE TO PAY FOR THE STATION'S ELECTRIC CONSUMPTION.

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

- 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 BUILDING, LIMITS OF DISTURBANCE, UTILITY LINES, AND STORMWATER PRACTICES.
- 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, AND REPRESENTATIVES FROM THE NYC DEP. THE DEP SHALL BE NOTIFIED 48HRS PRIOR TO THE PRECONSTRUCTION MEETING.
- CUT AND CLEAR TREES WITHIN THE WORK LIMITS AS NECESSARY FOR THE AREAS TO BE DISTURBED. INSTALL TREE PROTECTIVE MEASURE AT MARKED LOCATIONS ON E&S PLAN.
- 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, CONSTRUCTION FENCE, ETC. INSTALL THE SEDIMENT TRAPS IN THE LOCATION SHOWN ON THE PLANS. THIS SEQUENCE MUST BE FOLLOWED TO INSURE PROPER IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN (E&S) AND STORMWATER POLLUTION PREVENTION PLAN (SWPPP). CORDON OFF STORMWATER PRACTICES AS SHOWN ON THE E&S PLAN TO PREVENT COMPACTION OF UNDERLYING SOILS. DURING CONSTRUCTION, RUNOFF WILL SHEET FLOW ACROSS THE SITE TO THE PERIMETER WHERE IT WILL BE PASS THROUGH SILT FENCING.

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 ONLY. 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.

THE FOLLOWING IS THE GENERAL ORDER FOR CONSTRUCTION OF THE PROJECT AND MAY BE MODIFIED AFTER APPROVED BY THE SUPERVISING ENGINEER. THIS IS MEANT TO MINIMIZE THE AMOUNT OF OPEN DISTURBANCE. UNDER NO CIRCUMSTANCES SHALL MORE THAN FIVE (5) ACRES OR GREATER BE DISTURBED DURING THE SAME PERIOD OF TIME. IN THE EVENT GREATER DISTURBANCE IS NECESSARY OUTSIDE OF THE LIMIT OF DISTURBANCE SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER OF RECORD, AND MUNICIPALITY FOR AN ON-SITE MEETING TO DISCUSS THE ALTERNATIVE APPROACH TO THE CONSTRUCTION.

- THE SURVEYOR SHALL STAKE-OUT THE PROPOSED DRIVEWAY CENTERLINES, LIMITS OF CUT AND BUILDINGS.
- IMPLEMENT THE GENERAL SEQUENCE NOTES 1 THROUGH 6 WHERE APPLICABLE PRIOR TO CONTINUING.
- ONCE THE TREE REMOVAL OPERATION IS COMPLETE, STRIP THE TOPSOIL WITHIN THE WORK BOUNDARY AND PLACE EXCAVATED TOPSOIL WITHIN THE IDENTIFIED STOCKPILE LOCATIONS. ANY SOILS SO DEEMED BY THE DESIGN OR MONITORING ENGINEER SHALL BE STOCKPILED FOR FUTURE USE AS LANDSCAPED AREA TOPSOIL. CONTRACTOR SHALL TAKE EVERY PRECAUTION FEASIBLE TO REDUCE THE AMOUNT OF DISTURBED/EXPOSED SOILS DURING CONSTRUCTION.
- ANY DISTURBED AREA THAT WILL NOT BE FURTHER DISTURBED WITHIN SEVEN (7) DAYS SHALL BE IMMEDIATELY STABILIZED WITH WOODCHIPS, HYDRO-MULCH, OR STRAW AND SEED.
- CLEAR VEGETATION AS PER PLAN ALONG MOHANSIC AVENUE TO BOTH SIDES OF THE DRIVEWAY ENTRANCE TO PROVIDE PROPER SIGHT DISTANCE FOR VEHICLES ENTERING AND LEAVING THE SITE.
- PRIOR TO STARTING THE WORK INSTALL ALL EROSION AND SEDIMENT CONTROLS INCLUDING THE INSTALLATION OF THE STABILIZED CONSTRUCTION ENTRANCE AT THE EXISTING DRIVEWAY ENTRANCE AND ALONG MOHANSIC AVENUE. THE CONSTRUCTION ENTRANCE SHOWN AT THE PROPOSED MAIN ENTRANCE SHALL BE INSTALLED AFTER THE MAIN DRIVEWAY HAS BEEN GRADED. THE CONSTRUCTION ENTRANCE SHALL REMAIN AT THIS LOCATION UNTIL THE PAVED ENTRANCE IS INSTALLED.
- THE STAGING AREA SHALL BE PREPARED FOR THE LOCATION OF SITE TRAILERS, EMPLOYEE PARKING, EQUIPMENT STORAGE, AND MATERIALS. THIS MAY BE RELOCATED WITHIN THE STABILIZED WORK AREA DURING THE CONSTRUCTION PROCESS.
- INITIALLY OR SIMULTANEOUSLY WITH SITE CONSTRUCTION BEGIN WITH THE REMOVAL OF THE CULVERT UNDER THE EXISTING DRIVEWAY AND INSTALL THE NEW CULVERT. BEGIN CONSTRUCTION OF THE RETAINING / HEADWALLS INCORPORATING THE CULVERT. BACKFILL AND STABILIZE. REMOVED MATERIAL SHALL BE PROPERLY DISPOSED OF.
- BEGIN THE SITE GRADING AND EXCAVATION INCLUDING THE IMPORT OF FILL IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- BRING THE PAD SITE TO ROUGH GRADE OF THE BUILDING, PARKING, AND DRIVEWAYS WITHIN WORK LIMITS AND ADJACENT AREAS. SLOPES IN EXCESS OF 3H:1V SHALL NOT BE LEFT EXPOSED AND MUST BE STABILIZED WHEN COMPLETE. CUT MATERIAL SHALL FIRST BE MOVED TO THE FILL LOCATIONS REQUIRED TO COMPLETE THE ACCESS DRIVE AND STAGING AREA. THE WORK SHALL THEN CONTINUE TO BRING THE SITE UP TO FINAL ROUGH GRADES.
- STAKE-OUT THE LOCATION OF THE BUILDING, UTILITIES AND UTILITY STRUCTURES. BEGIN INSTALLATION OF, CISTERN, SUBSURFACE INFILTRATION, SAND FILTERS, AND DETENTION CHAMBERS.
- WHEN THE SUBSURFACE UNITS ARE INSTALLED, THE UPSTREAM DRAINAGE STRUCTURE SHALL BE BLOCKED SO AS TO NOT ALLOW SEDIMENT LADEN WATER FROM REACHING THE SUBSURFACE CHAMBERS.
- BACKFILL AS INSTALLATION IS COMPLETE AND STABILIZE THE AREA. IF TRENCHES ARE TO BE LEFT OPEN, PLACE EXCAVATED MATERIAL ON THE UP-SLOPE SIDES OF THE TRENCH AND PROTECT AND STABILIZE. IF IT IS TO REMAIN OPEN FOR AN EXTENDED PERIOD OF SEVEN (7) DAYS OR MORE.
- BEGIN ROUGH GRADING THE BUILDING PADS FOR THE BUILDINGS. ALL COMPACTION REQUIREMENTS SHALL BE MET WITHIN THE FILL SECTIONS. UPON COMPLETION OF THE GRADING, PERMANENTLY OR TEMPORARILY HYDRO-MULCH ALL EMBANKMENTS AND INSTALL EROSION CONTROL BLANKETS AS SHOWN ON THE PLANS. DURING BUILDING AND SITE CONSTRUCTION, MAINTAIN AND RE-ESTABLISH AS REQUIRED. EROSION CONTROL AND STABILIZATION MEASURES AS REQUIRED BY THE SITE PLAN AND DETAILS. AREAS WHICH ARE TO REMAIN UNDISTURBED FOR MORE THAN SEVEN (7) DAYS SHALL BE STABILIZED WITH TEMPORARY SEEDING OR MULCH.
- INSTALL OR CHECK CONDITION OF ALL TEMPORARY EROSION CONTROL MEASURES AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN.
- BEGIN PREPARATION OF THE BUILDING SITE AND EXCAVATION OF THE BUILDING.
- BEGIN CONSTRUCTION OF THE FOUNDATION. UPON COMPLETION AND AFTER PROPER CURING TIME IS ACHIEVED, BACKFILL THE FOUNDATION AND BRING SITE TO ROUGH GRADE. 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. CONCRETE TRUCKS SHALL BE WASHED OUT IN THE LOCATION SHOWN ON THE PLANS.
- AT ANY POINT ONCE THE CUT - FILL OPERATION IS COMPLETED, THE INSTALLATION OF THE SUBSURFACE CHAMBERS CAN BE DONE. AFTER INSTALLATION CONSTRUCTION FENCING SHOULD BE PUT IN PLACE AROUND CHAMBERS TO PREVENT LARGE CONSTRUCTION VEHICLES FROM DRIVING OVER THE CHAMBERS.
- BEGIN INSTALLATION OF PROPOSED BYPASS AND OUTLET STRUCTURES. INSTALL STORM SEWER PIPING, CATCH BASINS AND MANHOLES, WORKING DOWNSTREAM TO UPSTREAM. DURING THE INSTALLATION OF CATCH BASINS, INSTALL INLET PROTECTION AS PER E&S PLAN TO ASSURE THAT SEDIMENT LADEN WATER WILL NOT ENTER THE STORM SYSTEM. ONCE THE FINAL GRADE ABOVE THE SYSTEM IS ACHIEVED, PUT INTO PLACE THE FINAL TOPSOIL COVER, SEED MIX, AND EROSION CONTROL BLANKET, OR HYDRO-MULCH. REFER TO THE LANDSCAPE PLAN FOR THE SEED MIX REQUIREMENTS.

NOTE: NO STORMWATER IS PERMITTED TO ENTER THE INFILTRATION SYSTEM FROM THE UPSTREAM CONVEYANCE SYSTEM AND SHALL BE BLOCKED UNTIL THE COMPLETION AND STABILIZATION OF ALL AREAS TRIBUTARY TO THE BASIN. 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 SURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS.

20. PROCEED WITH THE CONSTRUCTION OF THE BUILDINGS. AT ANY POINT DURING THIS BEGIN INSTALLATION OF THE UTILITIES INCLUDING THE WATER AND SEWER CONNECTIONS, DRAINAGE AND POWER UTILITIES.

21. INSTALL SUB-BASE COURSE MATERIAL FOR DRIVEWAY AND PARKING AREA.

22. STAKE OUT AND INSTALL CURBING AS PER PLAN. ONCE CURBING IS COMPLETED AROUND CATCH BASINS, RE-INSTALL INLET PROTECTION WITHIN CATCH BASINS. WHEN CURBING IS COMPLETE, BACKFILL WITH TOPSOIL. AREAS THAT ARE FILLED WITH TOPSOIL ARE TO BE RAKED, SEEDED, AND HAY MULCHED.

23. UPON COMPLETION OF THE MAJORITY OF THE INFRASTRUCTURE, INSTALL PAVEMENT BASE AND BINDER COURSE TO THE THICKNESS AND ELEVATION AS PER THE CONSTRUCTION PLANS.

24. INSTALL HARDSCAPE SUCH AS PATIOS, WALKS STEPS ETC., AND FINAL VEGETATION INCLUDING SOO AND LANDSCAPING. REFER TO LANDSCAPE PLANS FOR LOCATION AND IDENTIFICATION OF GROUND COVER AND PLANTINGS. CLEAR SITE OF DEBRIS AND ALL UNWANTED MATERIALS. DISPOSAL SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS.

25. DURING THE FINAL PHASE OF BUILDING CONSTRUCTION, FINISH GRADE, PERFORM SOIL RESTORATION REQUIREMENTS (SEE FIGURE 8.1), TOPSOIL, RAKE, AND SEED ALL AREAS AS REQUIRED, WHERE REQUIRED OR RECOMMENDED, HYDRO-MULCH OR INSTALL EROSION CONTROL BLANKETS.

26. AS WORK IS AT THE COMPLETION STAGE INSTALL FINAL ASPHALT SURFACE.

27. UPON COMPLETION, THE CONTRACTOR SHALL BE REQUIRED TO STABILIZE DISTURBED SOILS IN THE EVENT THE DISTURBED AREA WILL REMAIN NOT WORKED FOR GREATER THAN SEVEN (7) DAYS. AT THE DIRECTION OF THE ENGINEER OF RECORD OR PERMITTING ENTITY INSPECTOR, AND WHEN SIGNIFICANT PRECIPITATION IS IN THE IMMEDIATE FORECAST, ALL DISTURBED AREAS SHALL BE TEMPORARILY STABILIZED WITH HYDRO-MULCH OR WHERE APPROPRIATE WOODCHIPS. IT IS RECOMMENDED THAT ANY GRADING THAT IS AT THE FINISH STAGE WILL RECEIVE NO FURTHER DISTURBANCE AND THAT PERMANENT STABILIZATION SUCH AS TOPSOIL, SEED, MULCHING OR BLANKETS AS PER THE PLAN BE INSTALLED.

FINAL SITE STABILIZATION AND COMPLETION OF NEW CONSTRUCTION:

28. UPON COMPLETION OF ALL WORK, THE SITE SHALL BE INSPECTED BY THE SUPERVISING ENGINEER AND TOWN INSPECTOR TO DETERMINE COMPLETION OF ALL WORK AND PERMANENT STABILIZATION OF THE SITE.

29. ANY AREAS DEEMED INCOMPLETE OR NOT PROPERLY STABILIZED SHALL BE DONE SO TO THE SATISFACTION OF THE SUPERVISING ENGINEER AND TOWN INSPECTOR.

30. ONCE THE SITE IS DEEMED ADEQUATELY STABLE THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES CAN BE REMOVED. AT THAT TIME IF DEEMED APPROPRIATE DRAINAGE STRUCTURES UPSTREAM FROM THE SUBSURFACE STORMWATER MANAGEMENT SYSTEMS SHALL BE CLEANED OF SEDIMENT AND DEBRIS. THEY CAN THEN BE UNBLOCKED TO ALLOW FOR FLOW OF COLLECTED SURFACE RUNOFF.

CONTACT INFORMATION DURING AND AFTER CONSTRUCTION:

BILL MA:
3241 GRANITE SPRINGS ROAD
YORKTOWN HEIGHTS, NY 10598
PHONE: (914) 245-4024
31.

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.

GENERAL EROSION CONTROL NOTES:

- 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 silt erosion and sedimentation control devices throughout the course of construction.
- 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.
- 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.
- 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).
- 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.
- 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.
- All disturbed areas within 500 feet of an inhabited dwelling shall be wetted as necessary to provide dust control.
- 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.
- Sediment and erosion control structures shall be removed and the area stabilized when the drainage area has been properly stabilized by permanent measures.
- All sediment and erosion control measures shall be installed in accordance with current edition of NYSSESC.
- 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.
- Any slopes graded at 3:1 or greater shall be stabilized with erosion blankets to be staked into place in accordance with the manufactures 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.
- To prevent heavy construction equipment and trucks from tracking soil off-site, construct a previous crushed stone pad. Locate and construct pads as detailed in these plans.
- Contractor is responsible for controlling dust by sprinkling exposed soil areas periodically with water as required. Contractor to supply all equipment and water.
- 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-0-20-001 EXPOSURE RESTRICTIONS - States that any exposed earthwork shall be stabilized in accordance with the guidelines of this plan.
- Trees and vegetation shall be protected at all times as shown on the detail drawing and as directed by the Engineer.
 - Care should be taken so as not to channel concentrated runoff through the areas of construction activity on the site.
 - Fill and site disturbances should not be created which causes water to pond off site or on adjacent properties.
 - 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.
 - 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.
 - 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.
 - All sites shall be stabilized with erosion control materials within 7 days of final grading.
 - Temporary sediment trapping areas shall be removed from the site within 30 days of final stabilization.

MAINTENANCE SCHEDULE:

	DAILY	WEEKLY	MONTHLY	AFTER RAINFALL	AFTER INSP.	NECESSARY TO MAINTAIN FUNCTION	AFTER APPROVAL OF INSPECTOR
SILT FENCE	---	---	---	INSP.	INSP.	CLEAN/REPLACE	REMOVE
WHEEL CLEANER	CLEAN	---	---	---	---	REPLACE	REMOVE
INLET PROTECTION	---	INSP.	INSP.	CLEAN	---	REPLACE	REMOVE

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):

- The pH of the material shall be 5.5 to 7.6.
- The organic content shall not be less than 2% or more than 70%.
- 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:

- Site preparation:
 - Install erosion control measures.
 - Scarify compacted soil areas.
 - Lime as required to pH 6.5.
 - Fertilize with 10-6-4 4 lbs/1,000 S.F.
 - Incorporate amendments into soil with disc harrow.
- Seed mixtures for use on swales and cut and fill areas.

LBS./ACRE	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	2

3. SEEDING

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

TEMPORARY VEGETATIVE COVER:

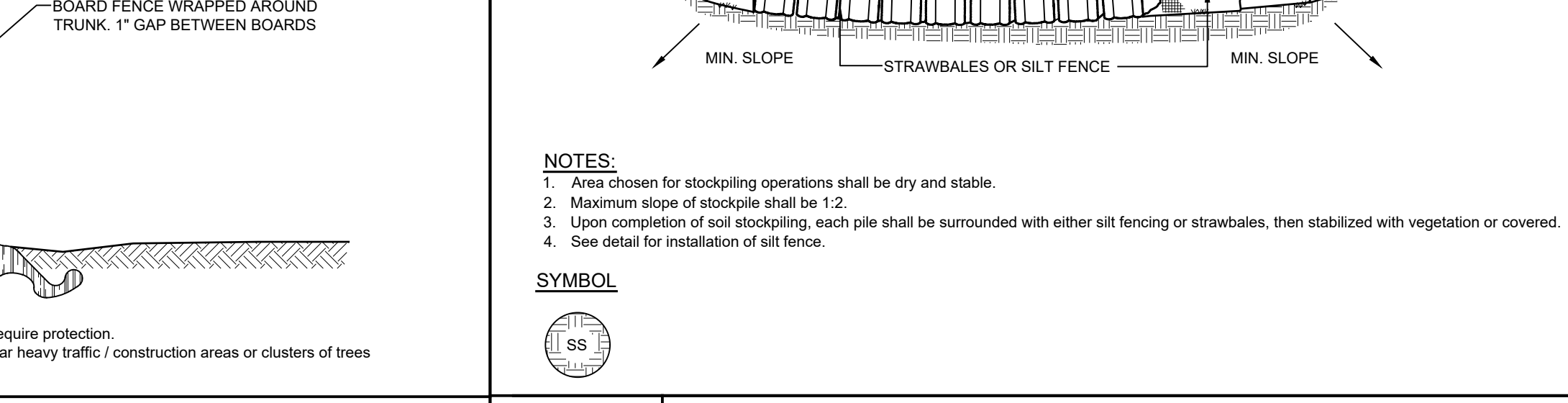
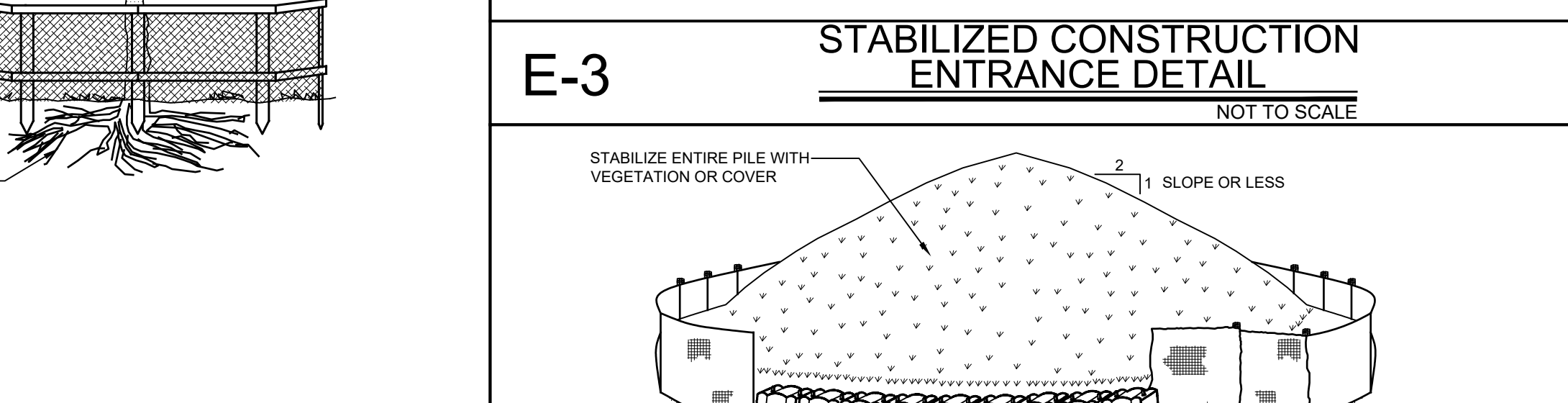
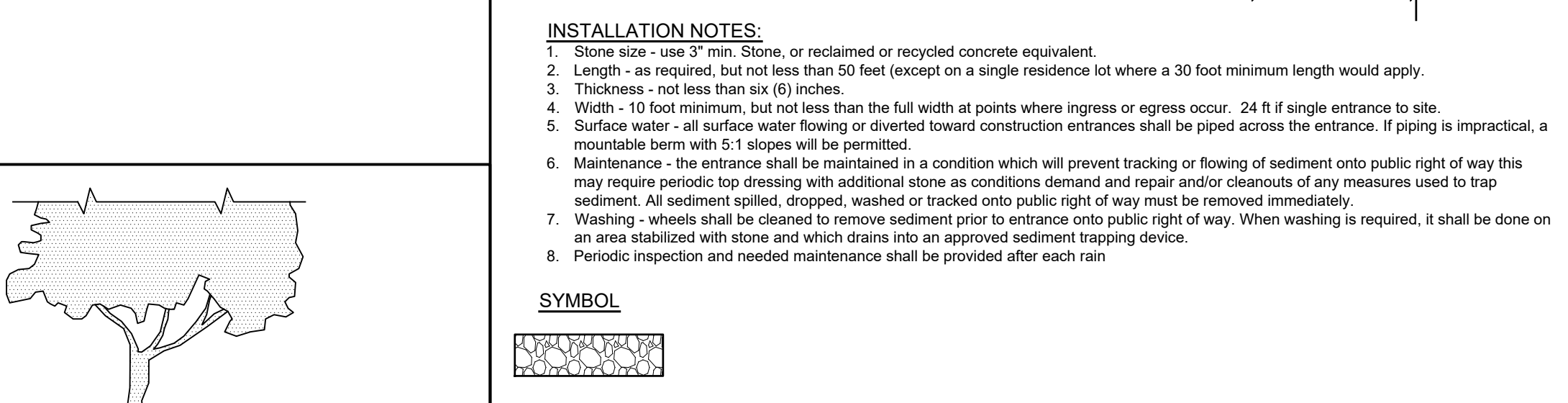
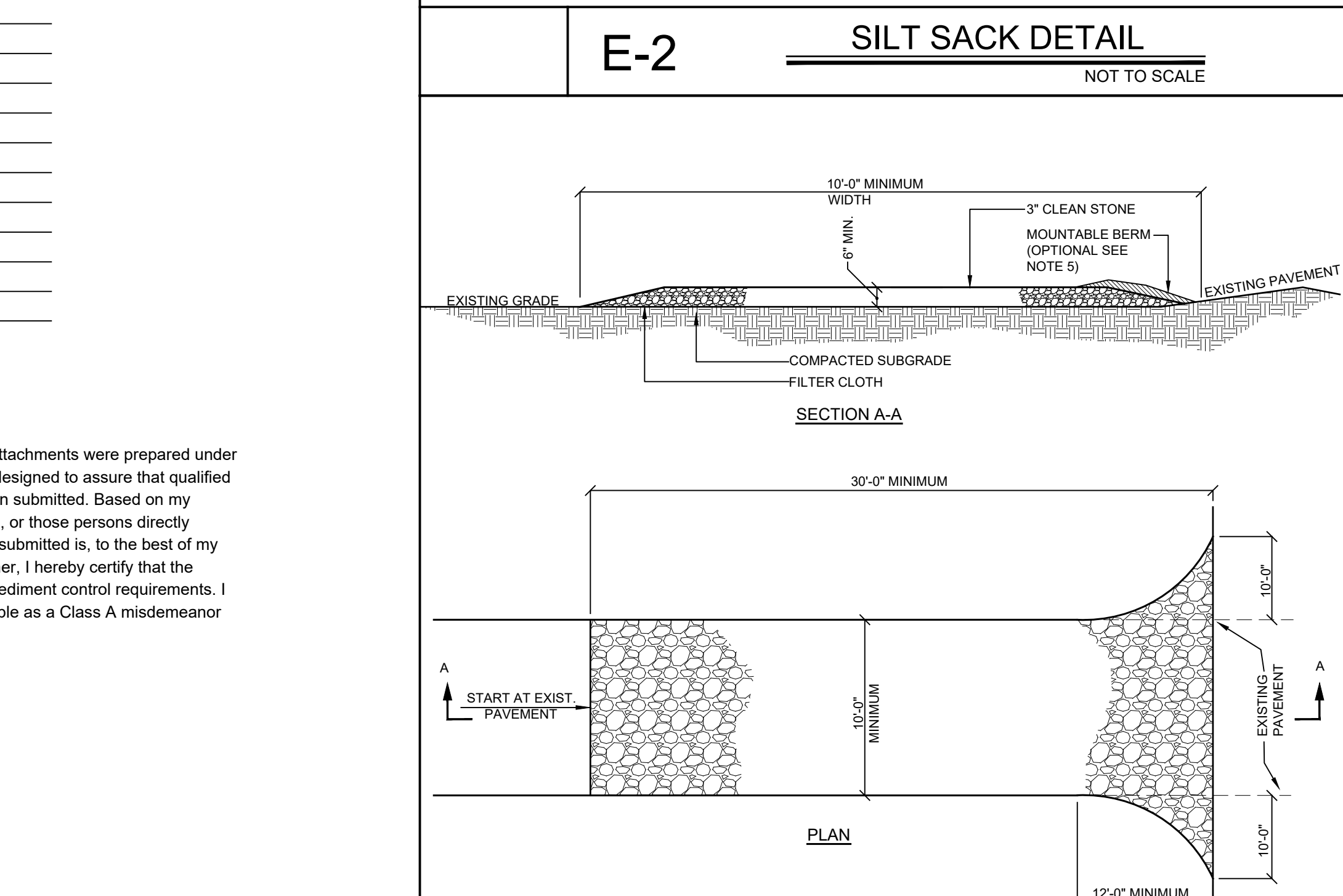
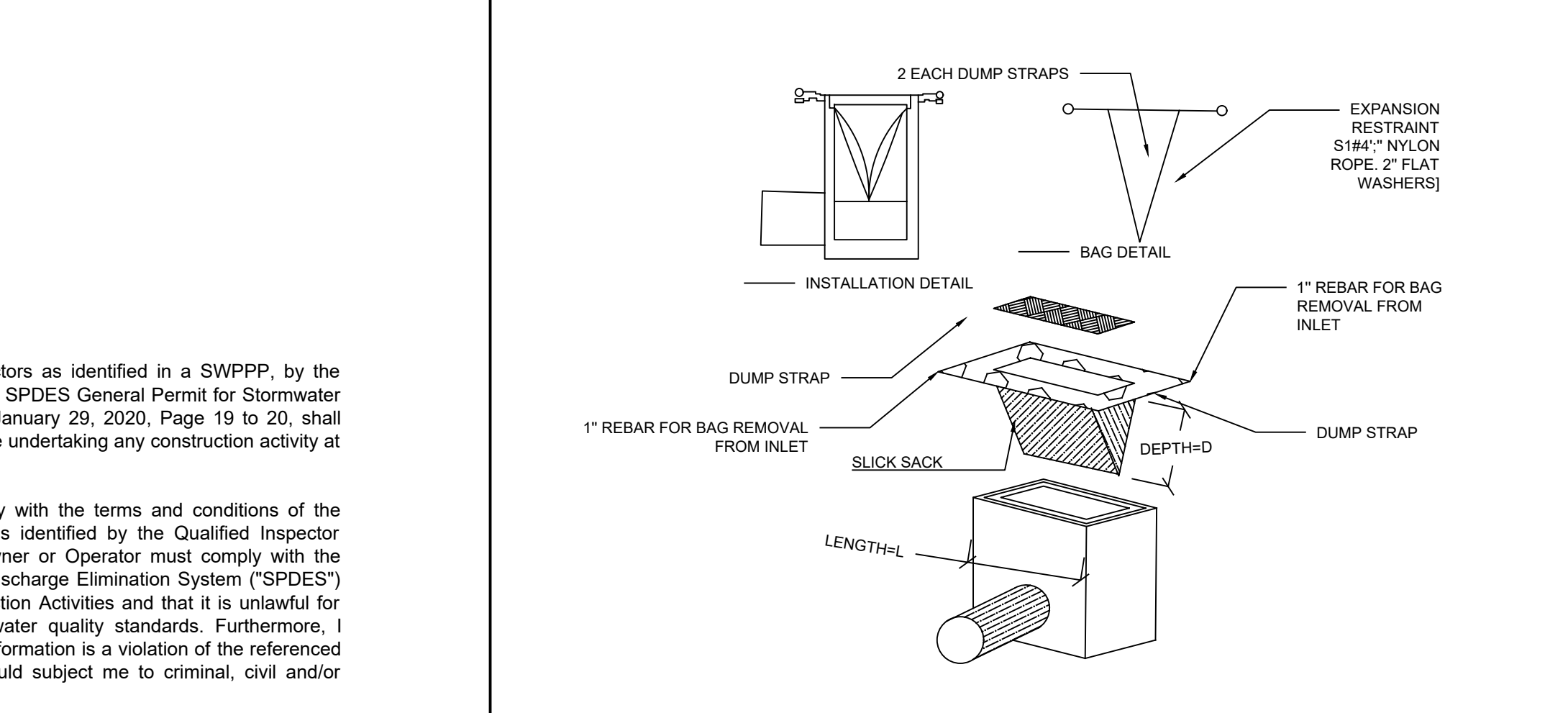
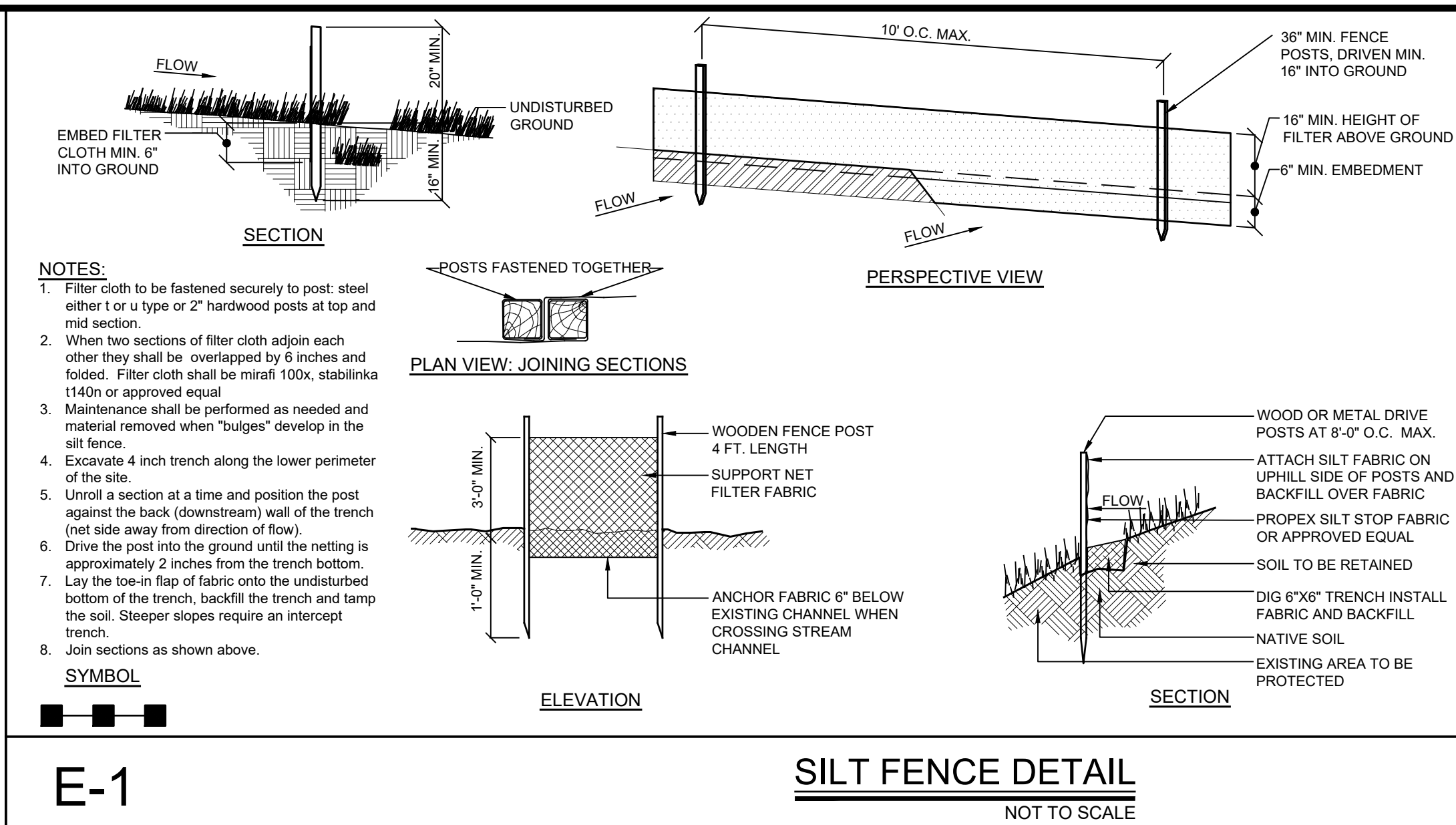
SITE PREPARATION:

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

SEED SPECIES:

MIXTURE	LBS./ACRE
Rapidly germinating annual ryegrass (or approved equal)	20
Perennial ryegrass	20
Cereal oats	36

SEEDING: Same as permanent vegetative cover



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

PROJECT # 22-03

Professional Engineer
New York State License No. 6441
Professional Land Planner
New York State License No. 6441

NO.	DATE	DESCRIPTION
1	1/25/23	PERMITS SCHEDULE
2	1/26/23	SILT FENCE
3	2/02/23	FINAL DESIGN

REVISIONS:

SCALE: 1" = 30'

DRAWN BY: JR

DATE: 1/05/2023

PRELIMINARY PLAN
PREPARED FOR
TOWN OF YORKTOWN

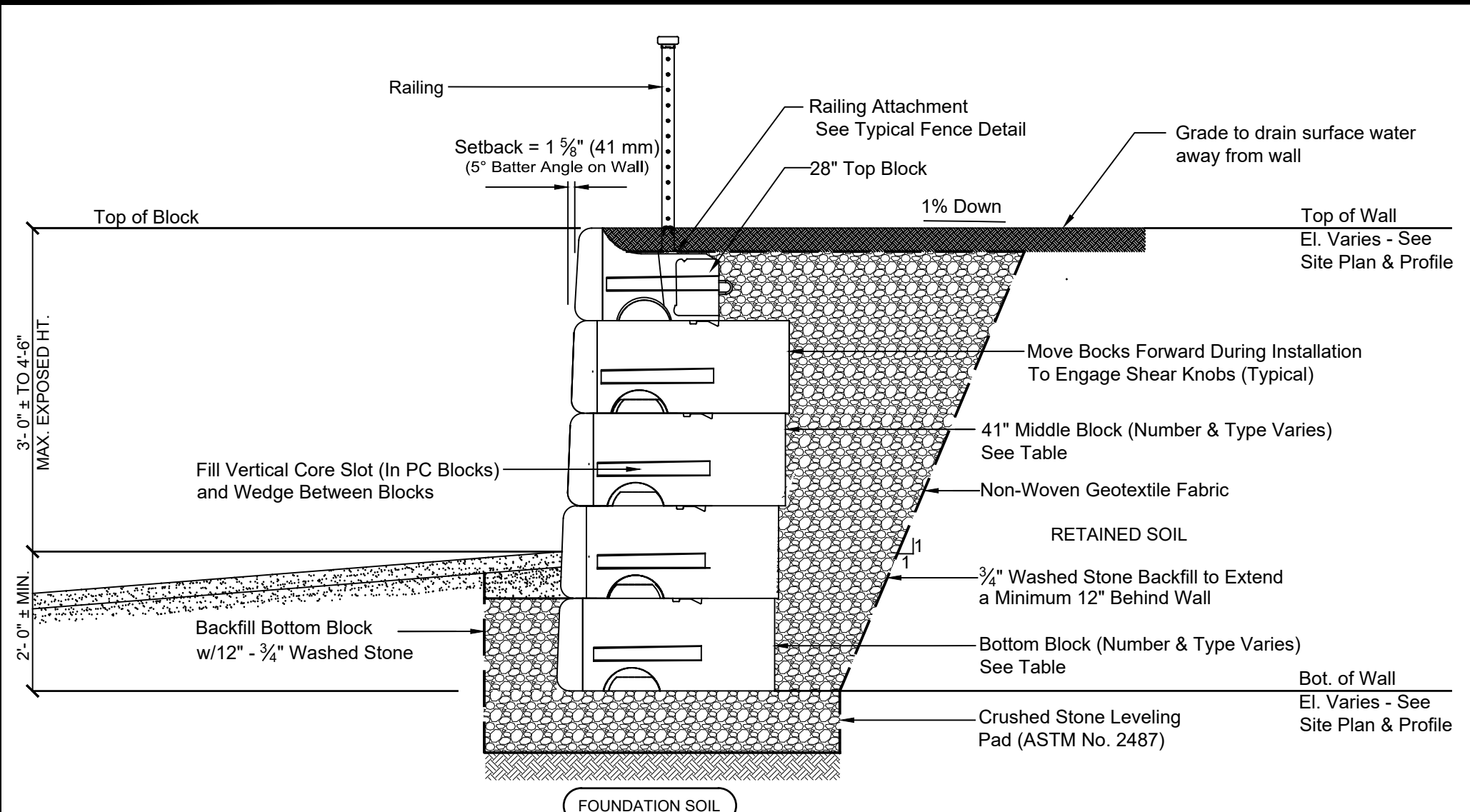
E & SC NOTES & DETAILS

GUIDING EYES FOR THE BLIND - TRAINING SCHOOL KENNEL
3241 CROMFORD ROAD
Westchester County, New York
Town of Yorktown

Sheet **C-501**

APPROPRIATE GUIDING EYES FOR THE BLIND - TRAINING SCHOOL KENNEL - 3241 CROMFORD ROAD - YORKTOWN, NY - 10598 - 1/10/23

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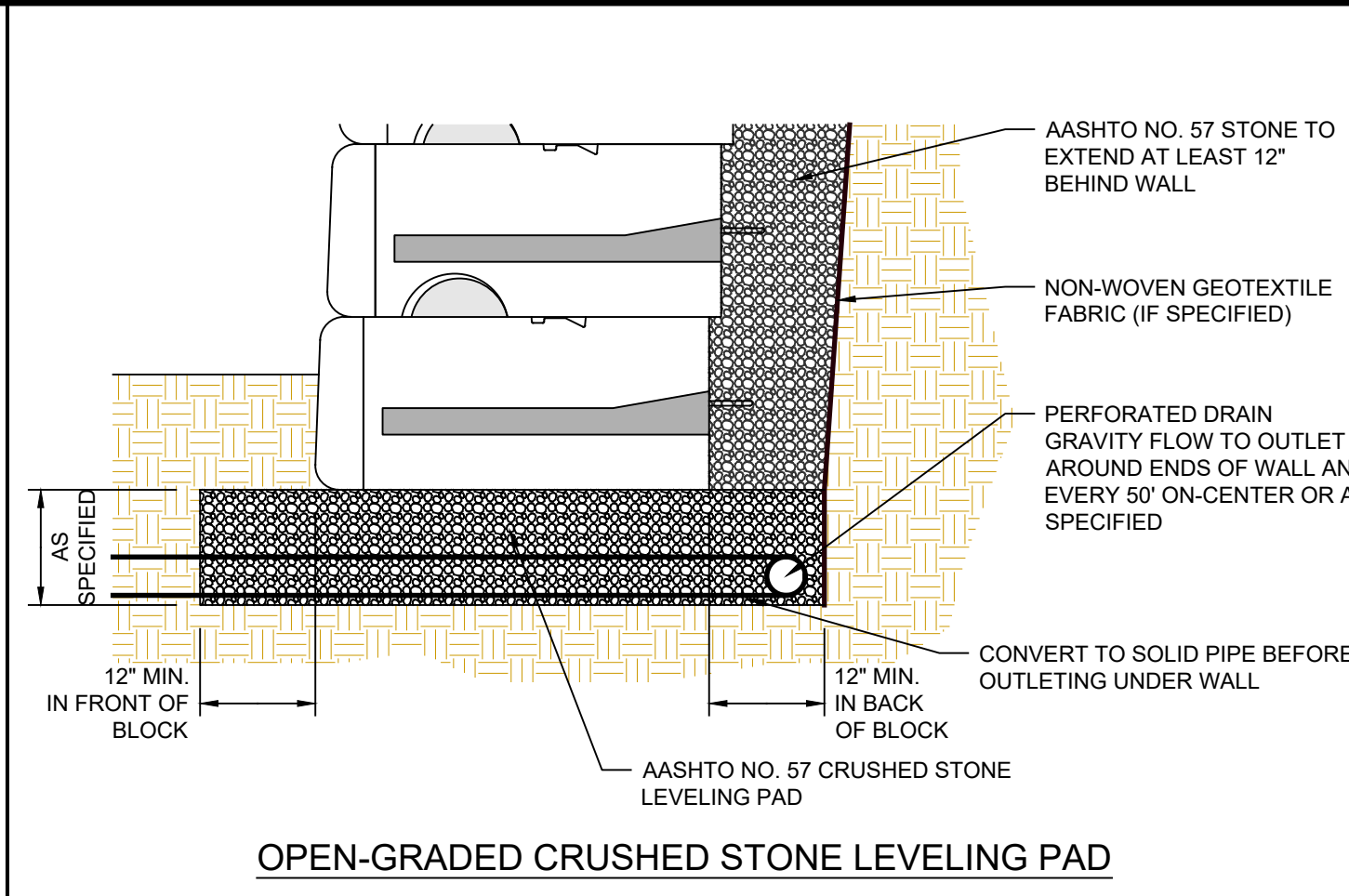
Note: The retaining wall as designed meets the minimum factors of safety for sliding, overturning, and settlement

TABLE I - TYPICAL WALL CHART

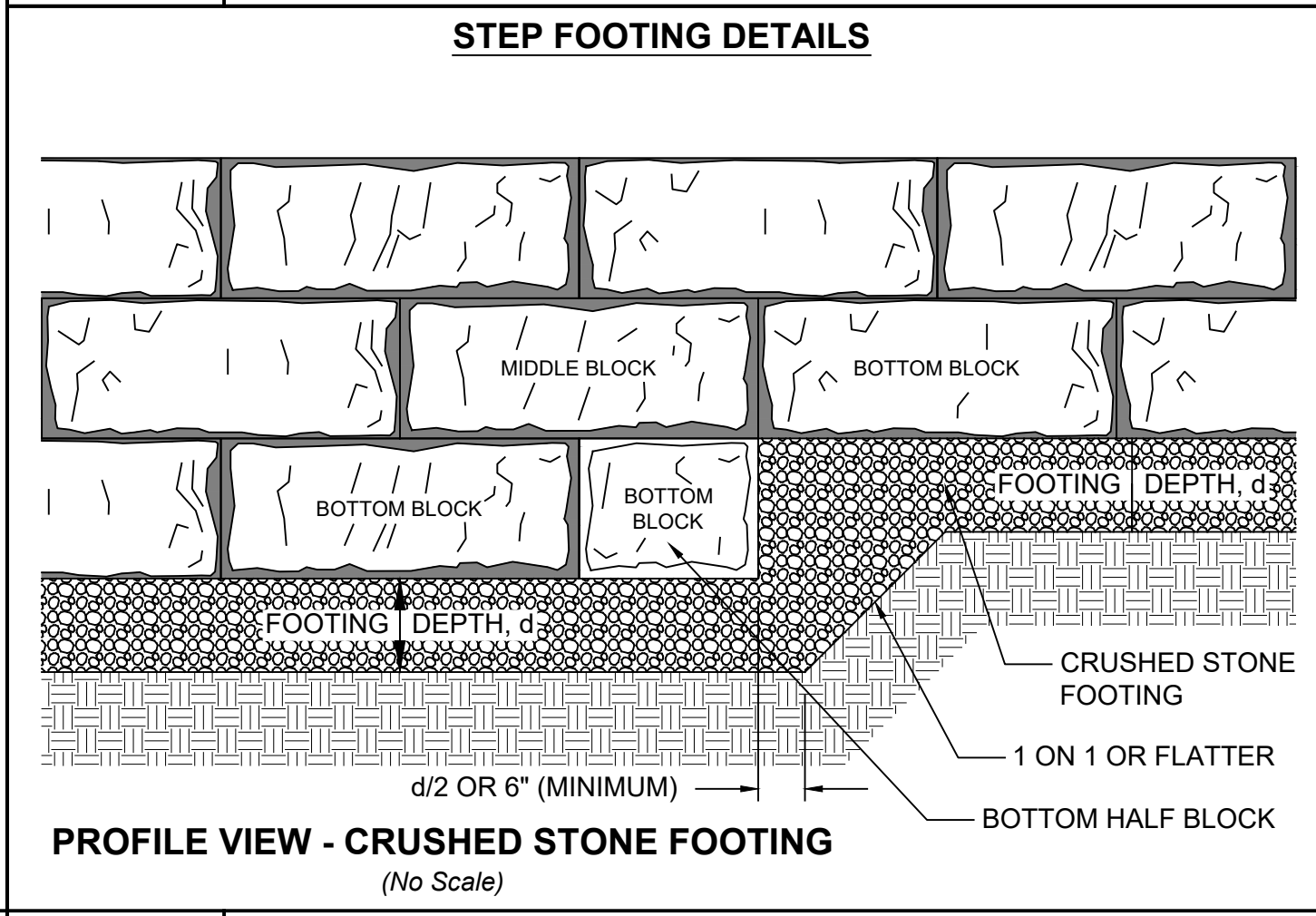
WALL HEIGHT	NO. COURSES	MINIMUM BURY DEPTH	LEVELING PAD DEPTH	WIDTH OF LEVELING PAD	NUMBER & TYPE OF BLOCK COURSES				
					60" BOTTOM BLOCKS	41" BOTTOM BLOCKS	41" MIDDLE BLOCKS	28" MIDDLE BLOCKS	28" TOP BLOCKS
2.0'	3	1.5'	1.0'	3'-9"	0	0	0	2	1
3.0'	3	1.5'	1.0'	3'-9"	0	0	0	2	1
4.0'	4	1.5'	1.0'	3'-9"	0	0	0	3	1
5.0'	4	1.5'	1.0'	4'-10"	0	1	0	2	1
6.0'	5	1.5'	1.0'	4'-10"	0	1	0	3	1
7.0'	6	1.5'	1.33'	4'-10"	0	1	1	3	1
8.0'	7	1.5'	1.33'	5'-4"	0	1	1	4	1
9.0'	7	1.5'	1.33'	5'-4"	0	1	1	4	1
10.0'	8	1.5'	1.33'	7'-0"	2	0	2	3	1
12.0'	9	1.5'	1.33'	7'-0"	3	0	3	2	1

- NOTES**
- Hold Top of Wall Elevations.
 - Step Walls as Required to Meet Grades Shown on the Site Plan.
 - All Walls Shall Have a Minimum Block Embedment Depth As Noted.
 - All Walls Shall Have a 28" Top Block

ST-1 TYPICAL GRAVITY WALL SECTION DETAIL
NOT TO SCALE



ST-3 CRUSHED STONE LEVELING PAD DETAIL
NOT TO SCALE



ST-4 STEPPED CRUSHED STONE FOOTING DETAIL
NOT TO SCALE

- GENERAL NOTES:**
- The Engineer who 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 therefrom.
 - The Engineer shall not be held responsible or held accountable for the integrity of any structures constructed or under construction prior to the approval of the plans.
 - The Town Engineer's office is to be notified 24 hours before commencing site construction.
 - All work is to be completed in accordance with the Town's of New Castle's Code of Practice and Specifications.
 - All conditions, locations, and dimensions shall be field verified and the Engineer shall be immediately notified of any discrepancies.
 - All changes made to the plans shall be approved by the Engineer and any such changes shall be filed as amendments to the original Building Permit.
 - All written dimensions on the drawings shall take precedence over any scaled dimensions.
 - It is the Contractor's responsibility to call in a "CODE 53" at least 2 days but no more than 10 days prior to construction for underground utility locations.
 - Substructures and their encroachments below grade, if any, are not shown.
 - The Contractor shall verify all substructures encountered during construction.
 - Any proposed electric and/or telephone service lines are to be placed underground.
 - The Contractor shall supervise and direct the work using his best skill and attention. He shall be solely responsible for all construction means, methods, techniques, sequences, and procedures and for coordinating all portions of the work under the contract.
 - The Contractor shall be responsible to the Owner for the acts and omissions of his employees, subcontractors, and their agents and employees, and any other persons performing any of the work under a contract with the Contractor.
 - The Design Engineer disclaims any liability for damage or loss incurred during or after construction.
 - The Contractor shall be responsible for obtaining all necessary permits for any blasting if required.

GENERAL SEGMENTAL RETAINING WALL NOTES:

- The Contractor shall inspect the site prior to starting the project and verify all existing conditions. Any discrepancies from what is shown on the plans to actual field conditions shall be reported to the Engineer immediately and prior to commencing the work.
- All work shall conform to all applicable Federal, State and Village of Mamaroneck codes, rules and regulations. The Contractor shall be responsible for acquiring all permits and paying all filing fees necessary for the proposed work.
- The Contractor shall excavate to virgin grade. The Contractor shall not place footings on any fill material.
- Walls shall not be constructed on wet or frozen ground.
- Excavation in general shall conform to the lines and grades shown on the Contract Drawings.
- Top and bottom wall elevations are provided to indicate top of wall elevation and finished grade elevation respectively at front face of wall. Additional wall height shall be required as necessary to provide for proper buried wall depth and footings.
- To ensure a proper bearing surface, the wall shall be constructed on natural in-situ soil with a minimum allowable bearing capacity of 2 TSF. The Contractor shall strip all top soil. The area shall then be compacted using suitable compaction equipment. A minimum of 3 passes shall be made.
- If the Contractor encounters any wet area of soil while excavating or during construction of wall, he shall notify the Engineer immediately. Replacement of unsuitable soils may be required as directed by the Engineer.
- Fill material such as concrete rubble, asphalt, boulders, pipes, etc. shall not be used as backfill material behind the wall.
- Soils used as backfill shall consist of clean dry soil. The material shall be granular and free of organic or other deleterious material. In general the soil shall be non-plastic with a plasticity index less than 5 and shall conform to the AASHTO Soil Classification System for an "A-1-a" soil. However the maximum size shall be 6". In general all fill shall be approved by the Engineer prior to its use. Wet material or unsuitable material should not be used.
- Earth backfilling of walls shall be placed in one (1) foot lifts, prior to compaction and compacted to 95% standard proctor with a mechanical tamper.
- The Contractor shall not use large or heavy construction equipment within 5 ft of the retaining walls or new foundation walls. Hand operated compacting equipment shall be used within 5 ft of the wall face.
- The Contractor shall be responsible for adequately bracing and protecting the wall work during construction against damage, collapse, distortions and misalignments in accordance with all applicable codes, standards and good practices.
- The Contractor is responsible for maintaining safe cut and fill slopes in front of and behind the wall throughout construction.
- The Contractor shall be responsible for protecting all persons during construction from harm in accordance with all applicable codes, standards and good practices.
- The Contractor shall be responsible for providing convenient access and proper facilities for the inspection of all parts of the work.
- The Contractor shall have the right to order the removal of defective work and/or material and unapproved work and/or material. The cost of removal and replacement shall be borne by the Contractor.
- The Contractor shall be responsible for all damage to existing properties as a result of his work or workmanship. The Contractor shall restore to existing condition any property damaged as a result of his work or workmanship at no additional cost to the owner.
- Alternate wall designs must be sealed by a New York State Licensed Professional Engineer. The minimum Factors of Safety for sliding and overturning shall be 2.0.

SUGGESTED CONSTRUCTION SEQUENCE

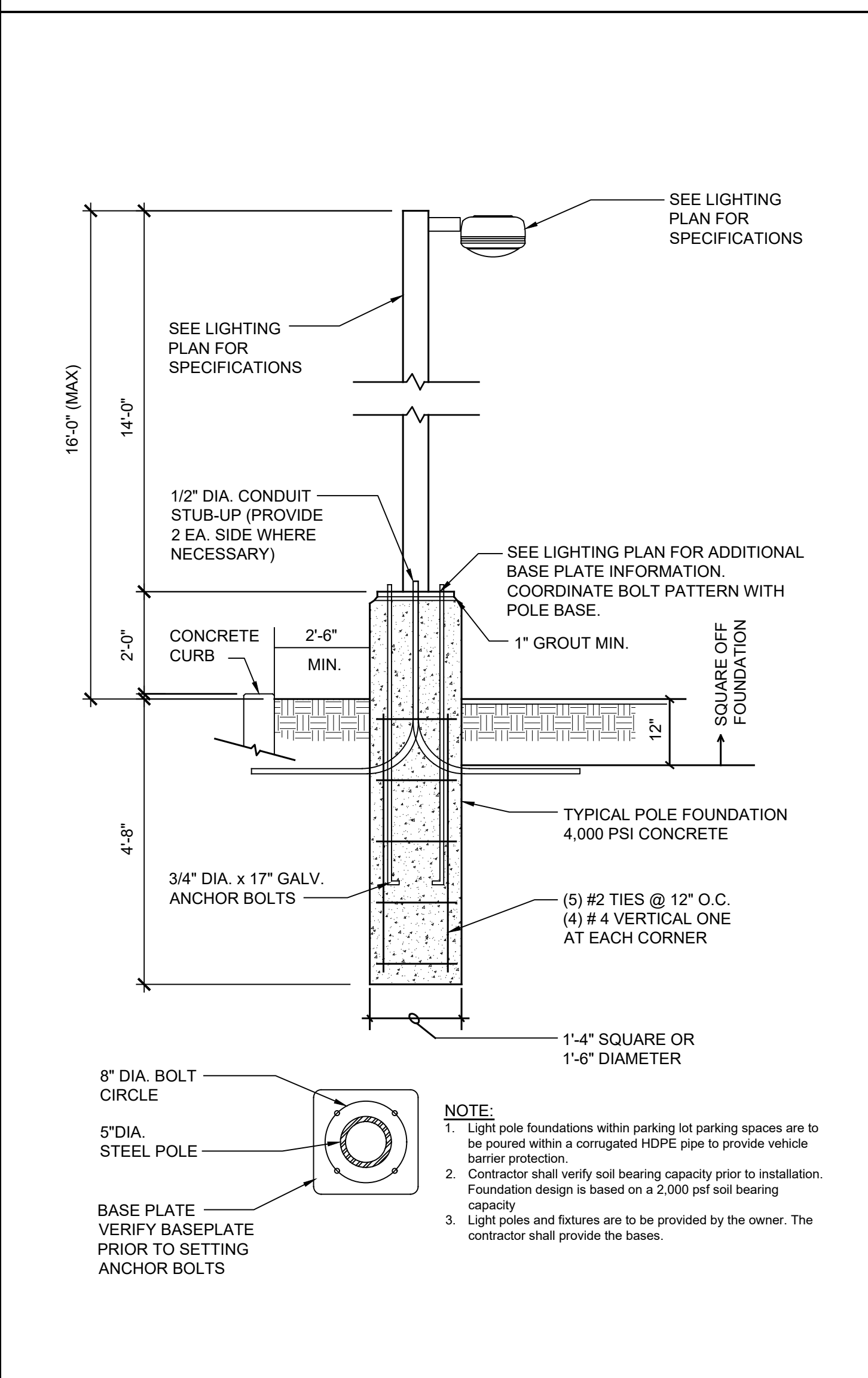
Use of erosion and sediment control structures and practices are important to maintaining site stability under runoff and during daily construction activities. Construction sequence should be staged with erosion and sediment controls as follows with all controls in place and implemented prior to respective infrastructure construction. As construction proceeds, the controls should be monitored, maintained and replaced as needed. Additional controls may be required as needed to address unforeseen situations and shall be as determined by the Engineer or as directed by the Town of New Castle. Refer to construction drawings for all plans and details which relate to construction sequence. This suggested sequence should be followed in conjunction with all Plans, Notes, and the approved Stormwater Management Plan.

Prior to the commencement of work, the Owner and General Contractor shall read and understand the sequence for construction. The sequence shall be discussed at the time of the pre-construction meeting.

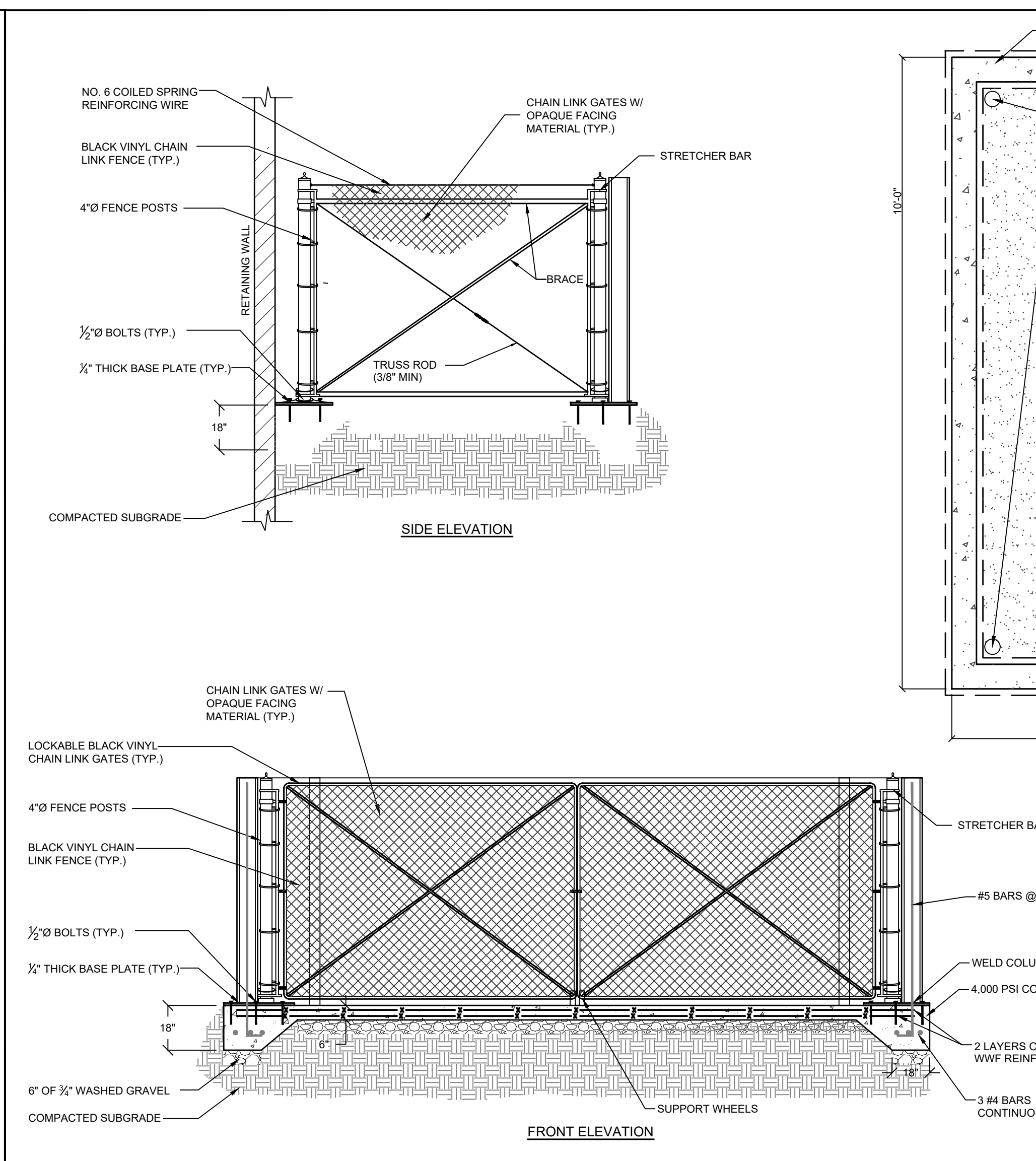
- CONSTRUCTION SEQUENCE:**
- A licensed surveyor must define infrastructure locations, limits of disturbance, and grades in the field prior to start of any construction.
 - Install all temporary erosion control measures as shown on the erosion and sediment control plan for the project including but not limited to silt fencing, inlet protection and temporary sediment traps. The plan presents the order in which the project will be constructed. These plans must be followed to insure proper implementation of the Erosion and Sediment Control Plan (E&S) and Stormwater Pollution Prevention Plan (SWPPP).
 - Create an access point to the project at the location shown off of Hitching Post Lane. The anti-tracking measures then shall be installed. Cut and clear trees within the work area as necessary for the area to be disturbed. If all areas are to be cleared, stumps shall only be removed as required for the immediate phase of construction. Timbered trees, wood chips, and stumps shall be temporarily stored in the staging area before being removed off-site. Wood chips may be used for mulch to stabilize disturbed areas. Wood chip mulch shall be applied at a minimum rate of 500 lbs. per 1000 sf (2" thick).
 - Grub and remove stumps in the immediate work area and remove off-site or chip.
 - Begin preparation for construction of all retaining walls. Areas in which final grade is achieved shall be immediately stabilized with permanent vegetative cover. Slopes less than 3:1 can be stabilized with seeding, and straw mulch or wood chip mulch. Slopes of 3:1 or greater shall receive erosion blankets. Areas which are to remain undisturbed for more than 14 days shall be stabilized with temporary seeding or mulch.
 - Stake-out the location of utilities and utility structures. Begin the installation of drainage and septic. Begin excavation and install piping. Backfill as installation is complete and stabilize the area. If trenches are to be left open, place excavated material on the up-slope sides of the trench and protect and stabilize if it is to remain open for an extended period of 7 days or more.
 - During the final phase of installation, finish grade, topsoil, rake, and seed all areas as required.
 - Once approval is obtained by the Erosion and Sediment Control Monitor, Engineer or Town Engineer, all temporary erosion measures may be removed.

TOWN NOTES:

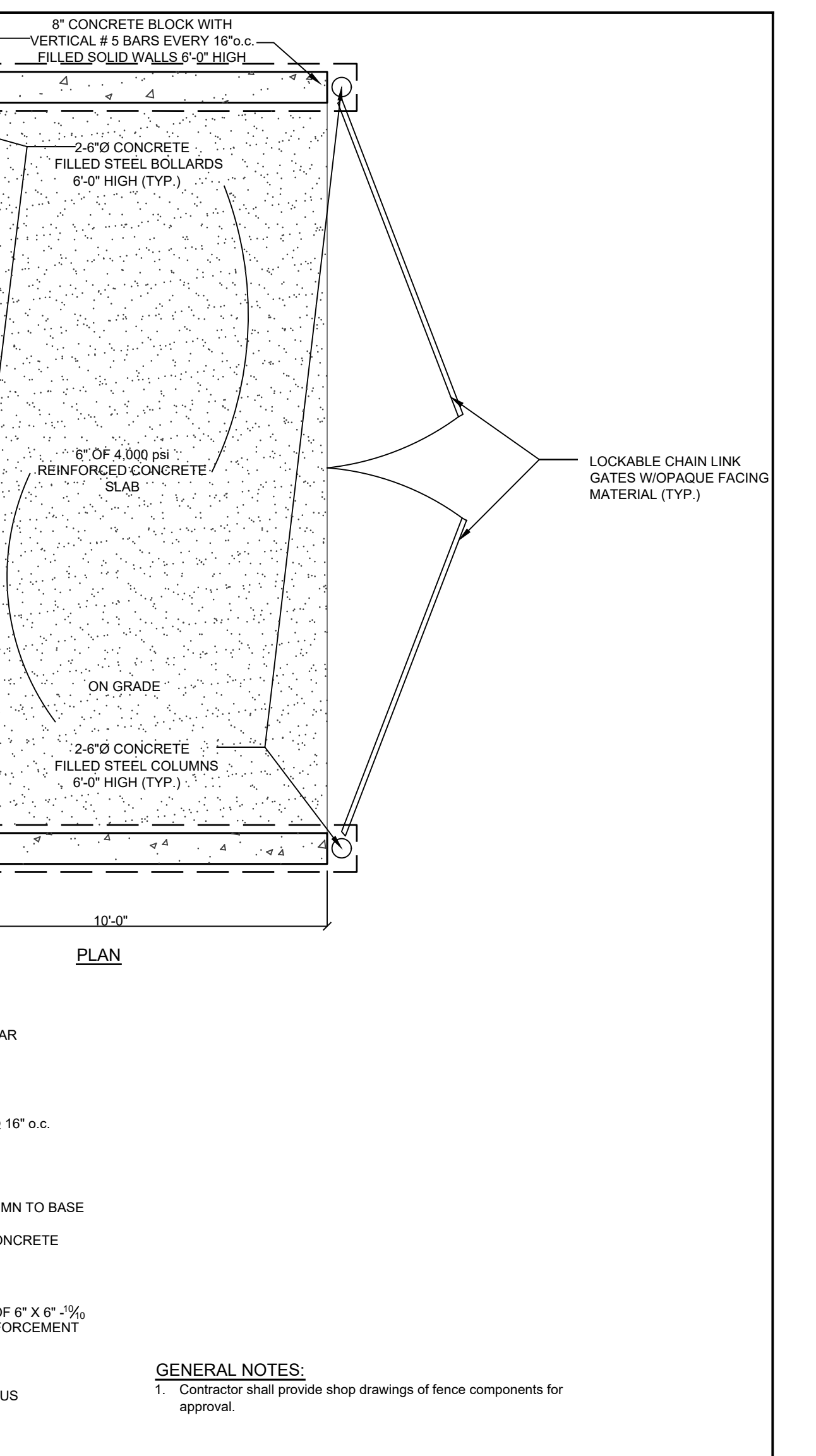
- Prior to the issuance of a building permit, the entire clearing/grading limits shall be field staked as per the approved site plan and inspected by Steve Coleman Environmental Coordinator at 914-238-1429.
 - Clearing and grading limit lines shall be clearly delineated in the field throughout the construction period and no encroachment beyond these limits by workers or machinery shall be permitted.
 - All work regarding the footing/foundation for all site related retaining walls shall remain accessible and exposed until inspected by the Building/Engineering Division. The Building/Engineering Division shall be notified at least 48 hours in advance in order to schedule a footing/foundation inspection. Contact the Civil Engineering Technician at 914-238-1429.
 - For each truck delivering fill to the above-mentioned site, a Manifest shall be submitted and signed by the owner and/or engineer indicating the following:
 - Deliver date
 - Origin of fill
 - Type of fill
 - Certification by a New York State Licensed Professional Engineer that the fill delivered is in compliance with paragraph 360-7.1(b)(1) of 6 NYCRR Part 360 - Solid Waste Management
- Note: If the fill material, as determined by the Town of New Castle, is considered to be a non-exempt material as per paragraph 360-7.1(b)(1) of 6 NYCRR Part 360 - Solid Waste Management than the property owner and/or engineer may be required to perform and/or submit additional information.
- The owner of the property acknowledges that the Town of New Castle and other agencies having jurisdiction shall have the right to enter the property at reasonable times and in a reasonable manner for purposes of inspection.
 - Upon Completion of Construction, submit an approved Westchester County Department of Health's Certificate of Construction Compliance form.
 - At completion, the applicant's architect/engineer shall submit a "Certificate of Construction Compliance" and "As-Built Section" certifying that the retaining wall as constructed meets all factors of safety for sliding, overturning and settlement in accordance to the approved plans on file with the Building and Engineering Department.
 - Each contractor who will be involved in a land development activity must have proof that he/she has received training and/or certification in proper erosion and sedimentation control practices.
 - Upon completion of the project an As-Built Site Plan will be submitted showing all improvements including the location septic structures and associated piping, retaining wall, drainage piping & riprap beds.
 - Grading and site work shall comply with New Castle Town Code Chapter 108: Steep Slope Protection.



L-1 LIGHT POLE BASE DETAIL
NOT TO SCALE



F-1 TRASH ENCLOSURE
NOT TO SCALE



RETAINING WALL DETAILS

PROJECT # 22-03
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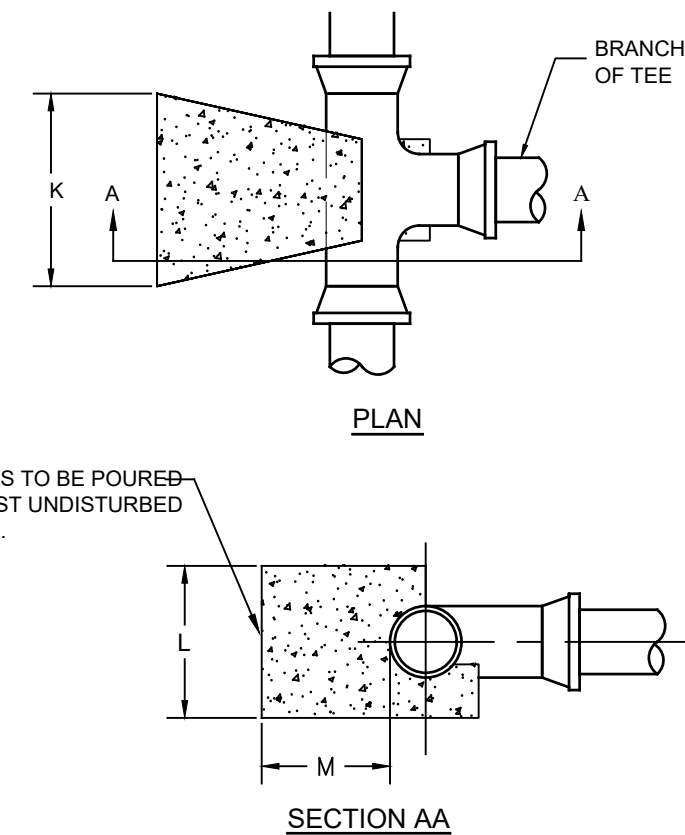
Site Design Consultants
Civil Engineers • Land Planners
251-F Underhill Avenue, Yorktown Heights, NY 10598
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Revisions:	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>No.</th> <th>Date</th> <th>Comments</th> </tr> <tr> <td>1.</td> <td>1/25/23</td> <td>Perkins, Sched</td> </tr> <tr> <td>2.</td> <td>7/6/23</td> <td>Site Revision</td> </tr> <tr> <td>3.</td> <td>8/2/23</td> <td>Final Issues</td> </tr> </table>	No.	Date	Comments	1.	1/25/23	Perkins, Sched	2.	7/6/23	Site Revision	3.	8/2/23	Final Issues
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1.	1/25/23	Perkins, Sched											
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3.	8/2/23	Final Issues											
SCALE: 1" = 30'	DRAWN BY: JR												
	DATE: 1/05/2023												

SITE IMPROVEMENT & RETAINING WALL DETAILS

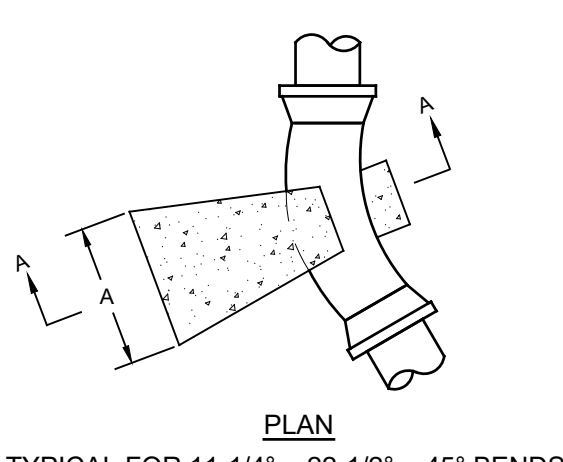
GUIDING EYES FOR THE BLIND - TRAINING SCHOOL KENNEL
3241 CROMFORD ROAD
Westchester County, New York
Town of Yorktown

Sheet **C-503**



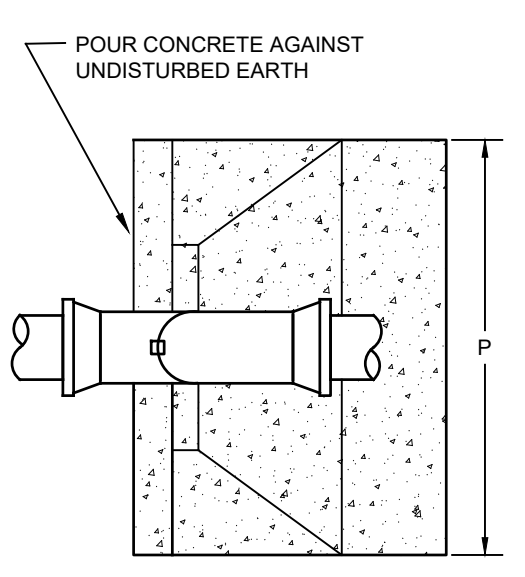
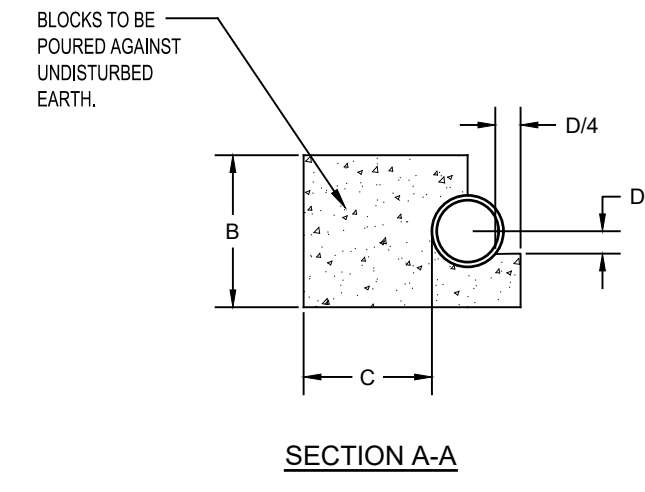
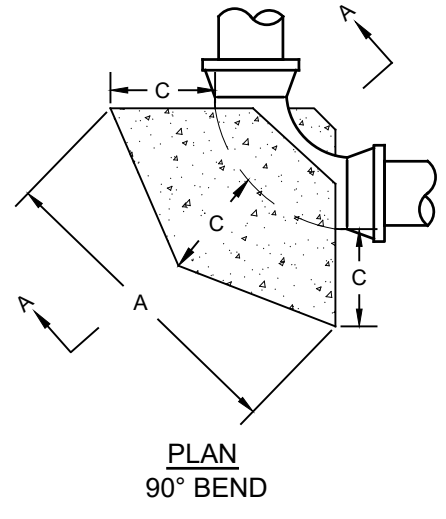
BRANCH SIZE IN.	K IN.	L IN.	M IN.	CONCRETE VOLUME FT ³
4 & 6	18	16	12	2.4

- NOTES:**
- MIN. 2,500 PSI CONCRETE TO BE USED.
 - BLOCK DIMENSIONS ARE MINIMUM AND ARE BASED UPON SOIL BEARING PRESSURE OF 2,000 PSF AND WATER PRESSURE OF 150 PSI. WHERE SOIL BEARING IS LESS OR WATER PRESSURE IS GREATER, A SPECIAL DESIGN WILL BE REQUIRED.
 - ALL BOLTS SHALL BE COVERED WITH BURLAP BEFORE POURING CONCRETE.



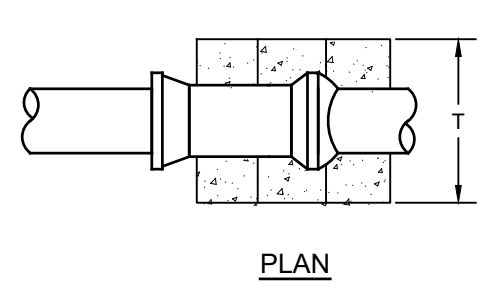
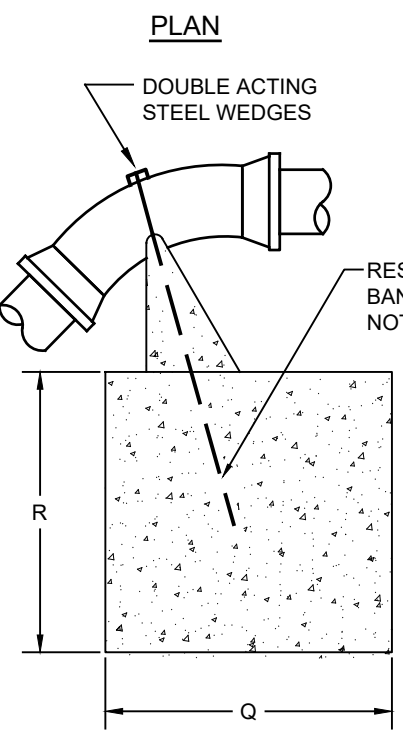
PIPE DIA. IN.	BEND	BLOCK DIMENSIONS			CONCRETE VOLUME FT ³
		A IN.	B IN.	C IN.	
4 & 6	90	24	16	12	2.5
	45	14	14	12	1.5
	22.5	12	12	12	1.2
	11.25				(3)

- NOTES:**
- MIN. 2,500 PSI CONCRETE TO BE USED.
 - BLOCK DIMENSIONS ARE MINIMUM AND ARE BASED UPON SOIL BEARING PRESSURE OF 2,000 PSF AND WATER PRESSURE OF 150 PSI. WHERE SOIL BEARING IS LESS OR WATER PRESSURE IS GREATER, A SPECIAL DESIGN WILL BE REQUIRED.
 - ALL BOLTS SHALL BE COVERED WITH BURLAP BEFORE POURING CONCRETE.
 - BEND TO BE SET AGAINST UNDISTURBED EARTH. BACKFILL TO BE FIRMLY TAMPED, OR BLOCK TO BE FURNISHED AS DIRECTED BY THE ENGINEER.



PIPE DIA. IN.	BEND	BLOCK DIMENSIONS			CONCRETE VOLUME CY
		P IN.	Q IN.	R IN.	
4 & 6	45	42	30	28	0.76
	22.5	26	26	26	0.38
	11.25	24	24	24	0.30

- NOTES:**
- MIN. 2,500 PSI CONCRETE TO BE USED.
 - BLOCK DIMENSIONS ARE MINIMUM AND ARE BASED UPON SOIL BEARING PRESSURE OF 2,000 PSF AND WATER PRESSURE OF 150 PSI. WHERE SOIL BEARING IS LESS OR WATER PRESSURE IS GREATER, A SPECIAL DESIGN WILL BE REQUIRED.
 - ALL BOLTS SHALL BE COVERED WITH BURLAP BEFORE POURING CONCRETE.
 - WHERE 90° CREST VERTICAL BEND IS REQUIRED APPROVAL MUST FIRST BE OBTAINED FROM THE ENGINEER. A SPECIAL DESIGN WILL BE REQUIRED.
 - 2 # REINFORCING RODS REQUIRED FOR 15°-45° BEND. 1 # REINFORCING ROD REQUIRED FOR ALL OTHER BENDS. EXPOSED BARS TO BE PROVIDED WITH PROTECTIVE COATING.



PIPE DIA. IN.	BEND	BLOCK DIMENSIONS			CONCRETE VOLUME FT ³
		S IN.	T IN.	U IN.	
4 & 6	90	18	18	18	3.4
	45	18	12	12	1.5
	22.5	12	12	12	1.0
					(3)

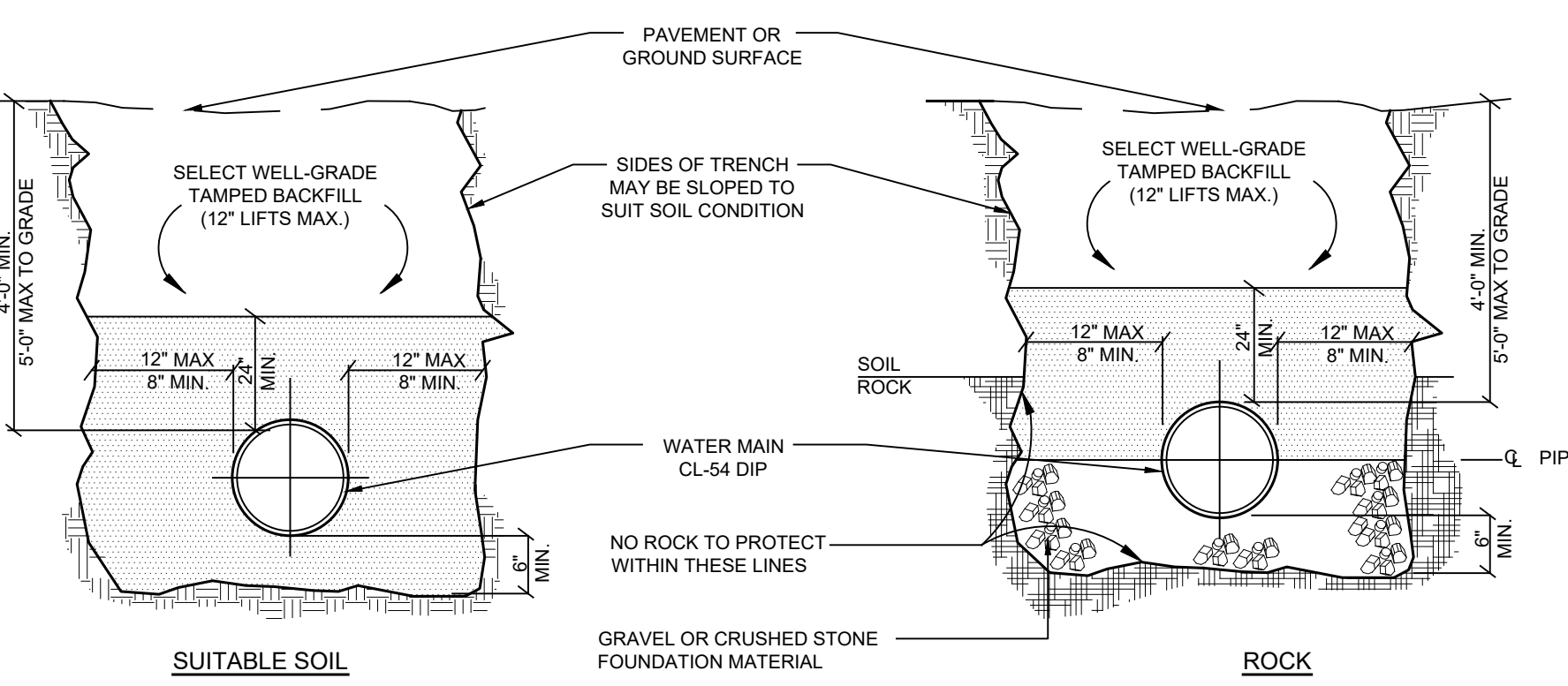
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W-1 THRUST BLOCKING FOR TEES
NOT TO SCALE

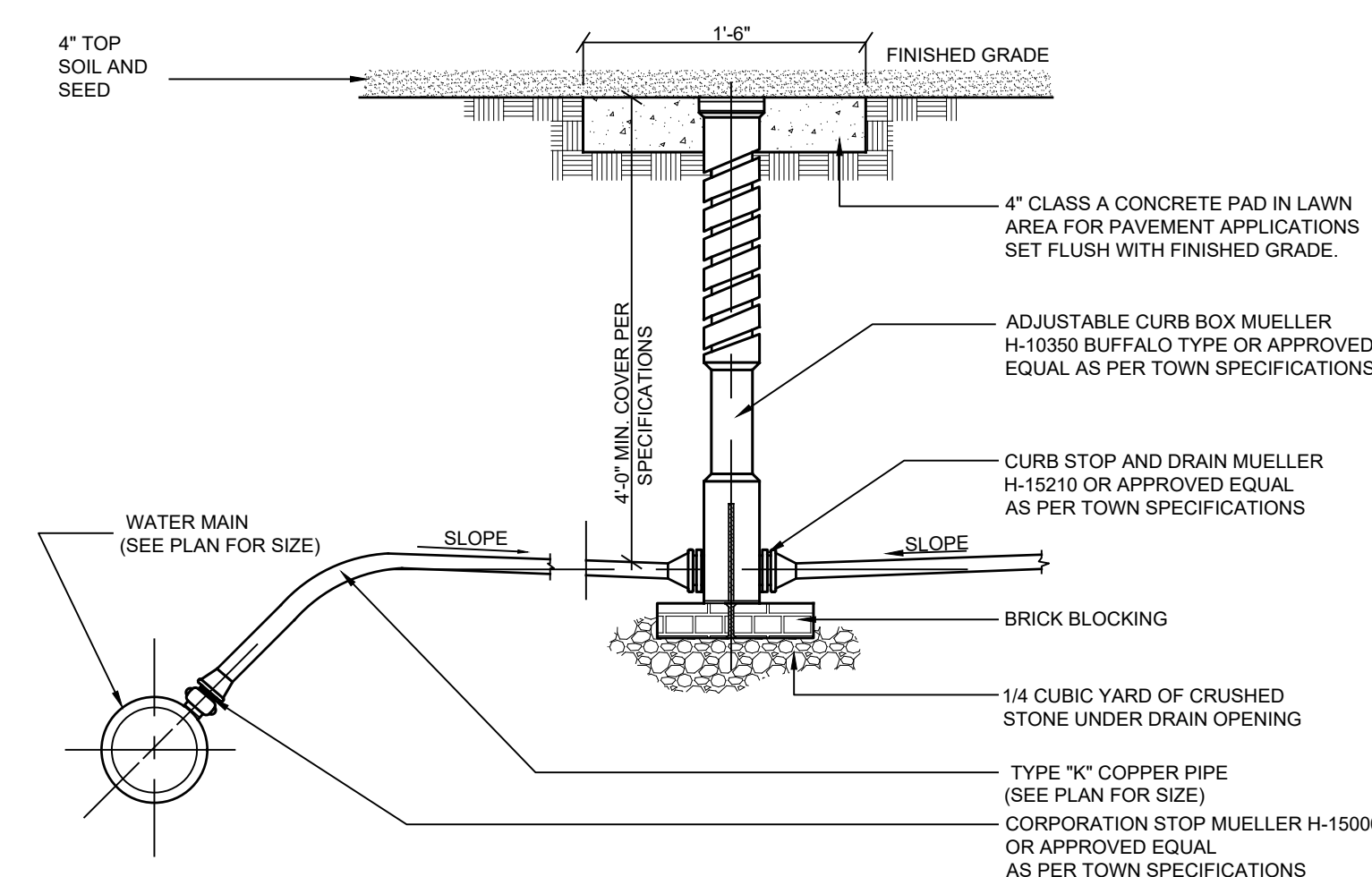
W-2 THRUST BLOCKING FOR HORIZONTAL BENDS
NOT TO SCALE

W-3 THRUST BLOCKING FOR CREST VERTICAL BENDS
NOT TO SCALE

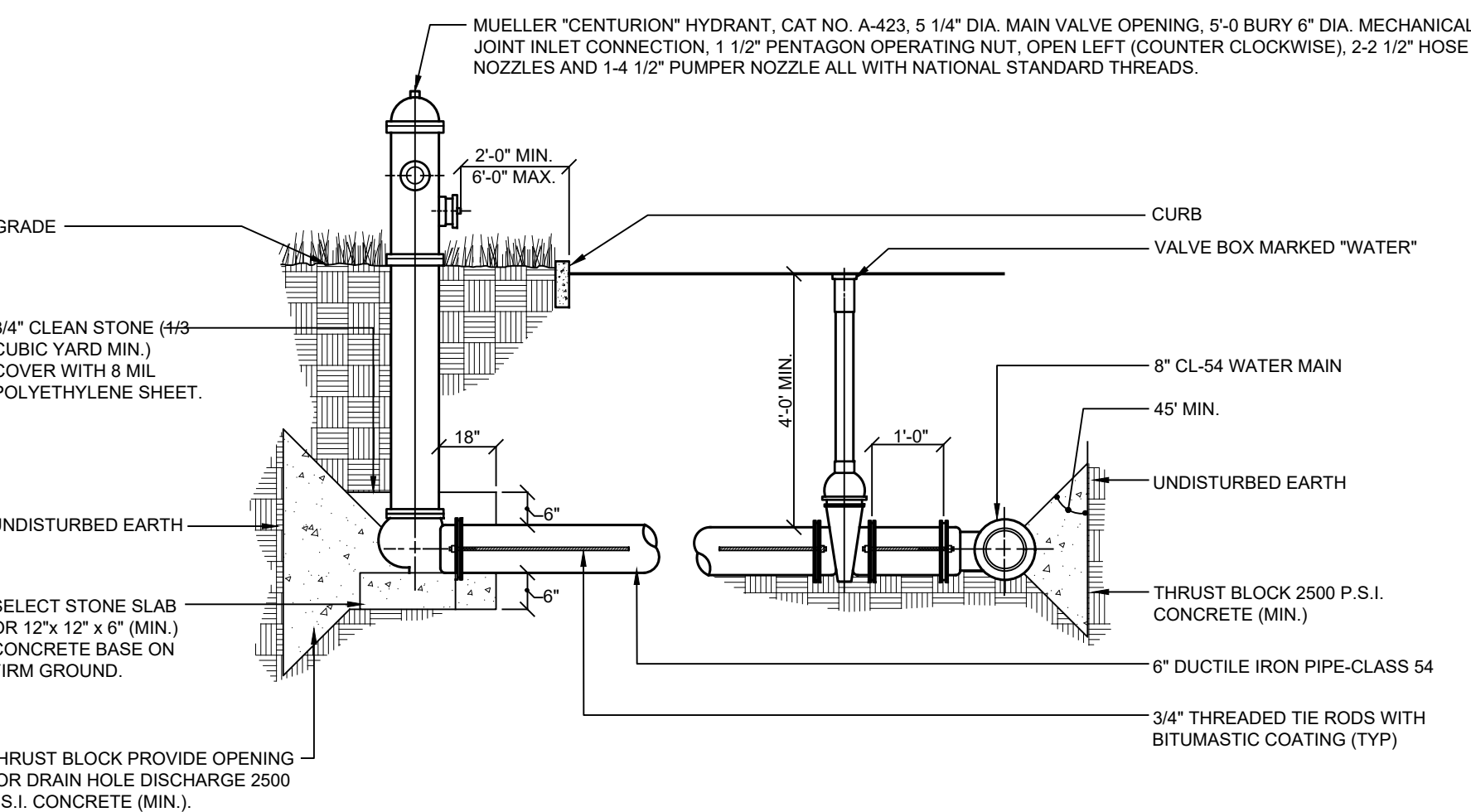
W-4 THRUST BLOCKING FOR SAG VERTICAL BENDS
NOT TO SCALE



- NOTES:**
- In materials to be considered as unsuitable (i.e. Muck) material is to be replaced 24" below the pipe invert and replaced with item no. 4 bedding.
 - A continuous and uniform bedding shall be provided in the trench for all buried pipe. Backfill material shall be tamped in layers around the pipe and to a sufficient height above the pipe to adequately support and protect the pipe. Stones found in the trench shall be removed for a depth of at least six inches below the bottom of the pipe.

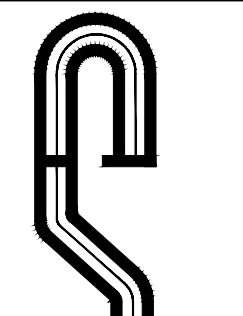


W-6 WATER SERVICE CONNECTION DETAIL
NOT TO SCALE



- NOTES:**
- Retainer glands, concrete thrust blocks and tie rods shall be used at all locations where restraints are required.
 - If groundwater is encountered within 7 feet of grade, hydrant drain holes shall be plugged. When the drains are plugged the barrels must be pumped dry after use during freezing weather. Where hydrant drains are not plugged, a gravel pocket or dry well shall be provided unless the natural soils will provide adequate drainage. Hydrant drains shall not be connected to or located within 10 feet of sanitary sewers or storm drains.
 - If hydrant is within 10 feet of sewers, hydrant drain holes shall be plugged.
 - Hydrant shall be painted with two coats of Electro-Farothane, plastic finish, No. 44 red paint.
 - All gate valves shall be Mueller AWWA standard.

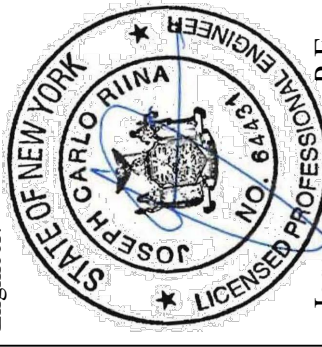
W-7 HYDRANT BEDDING DETAIL
NOT TO SCALE



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PROJECT # 22-03

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Engineer:
Joseph J. P. E.
NYS Lic. No. 6441

Revisions:

No.	Date	Comments
1.	1/25/23	Perkins, Sheld
2.	1/26/23	Site Revision
3.	8/29/23	Final Issues

SCALE: 1" = 30'

DRAWN BY: JR

DATE: 1/05/2023

WATER DETAILS

PRELIMINARY PLAN
PREPARED FOR

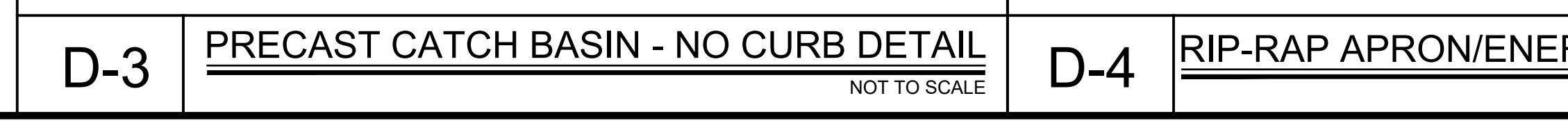
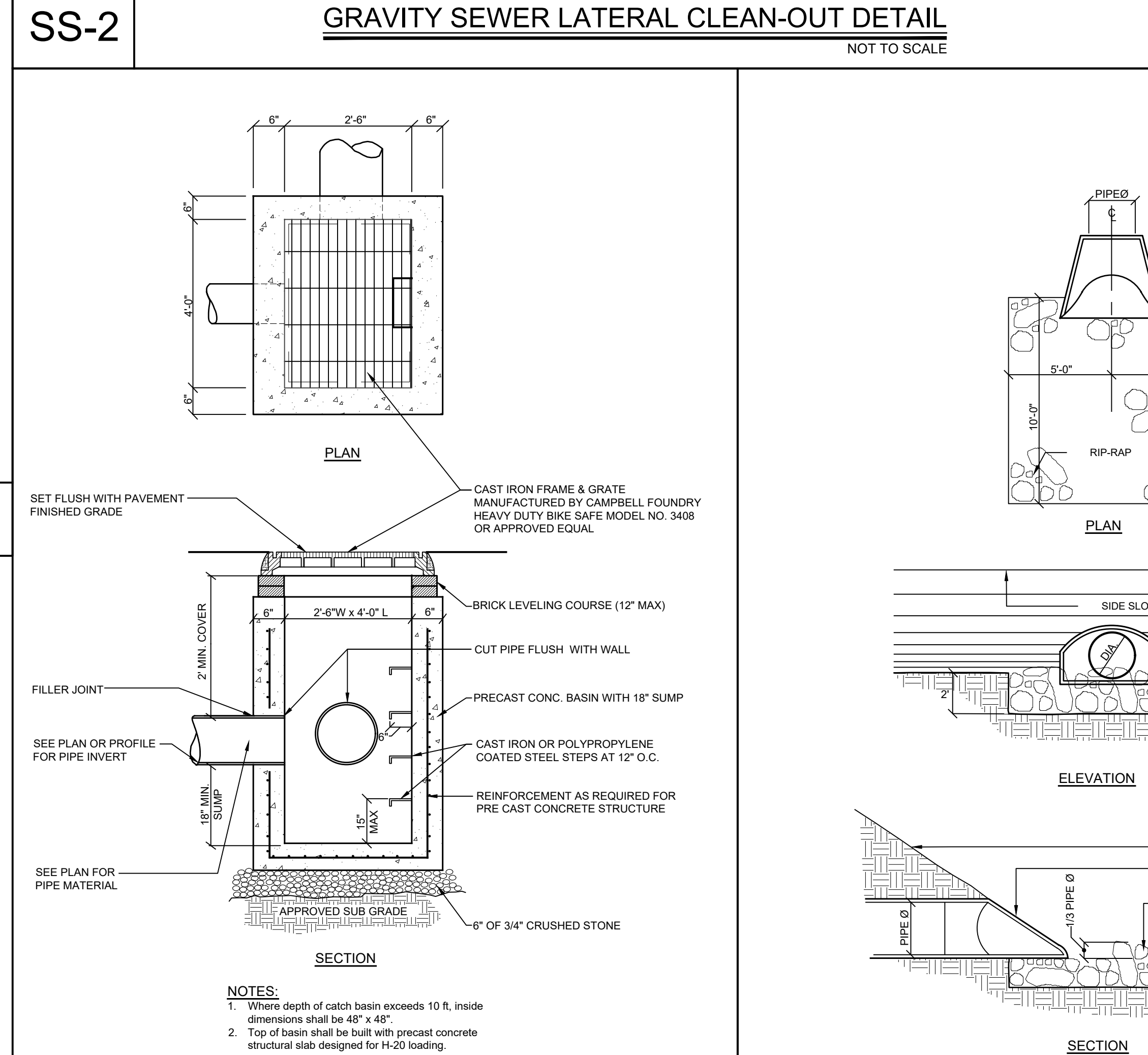
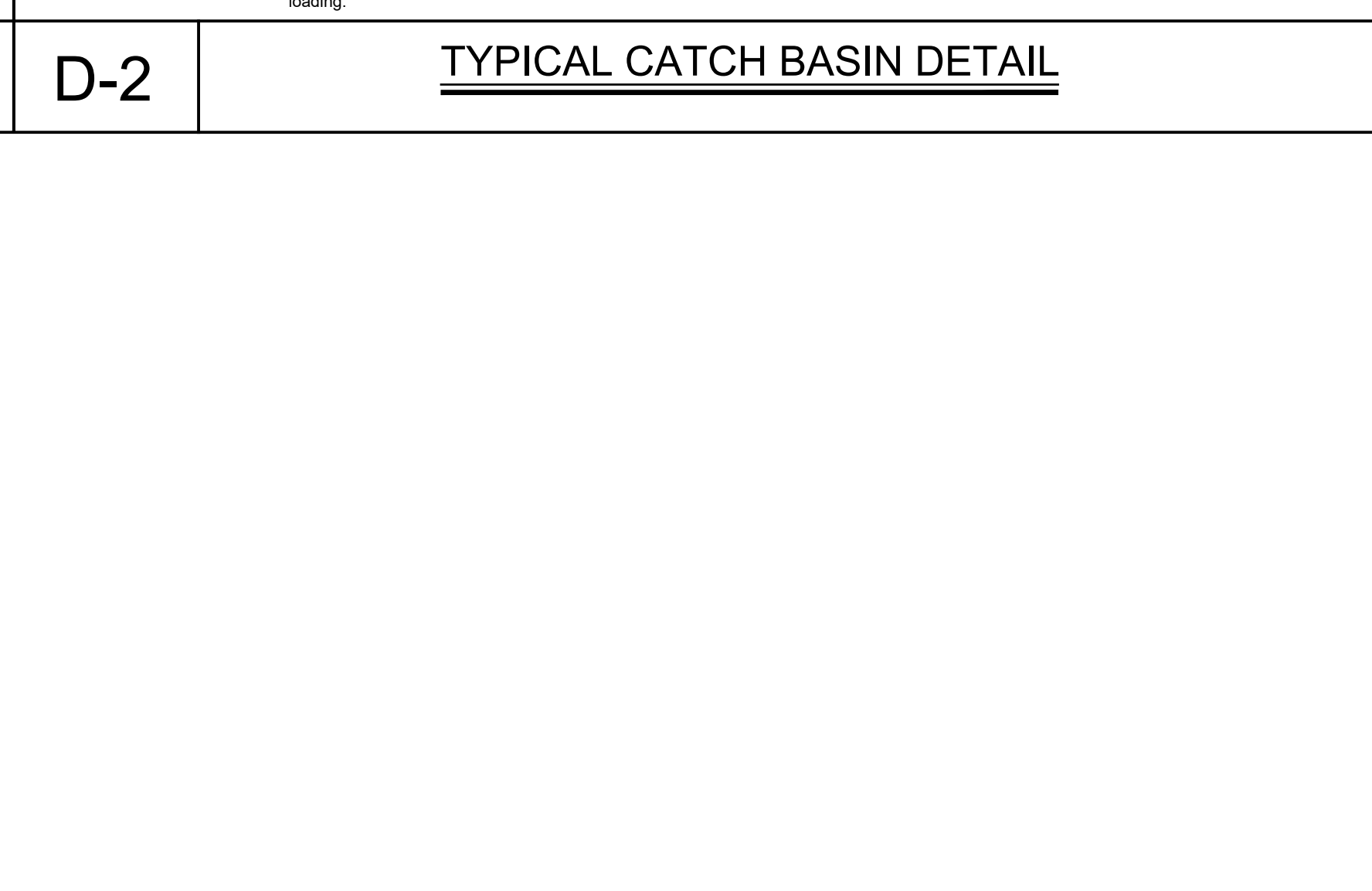
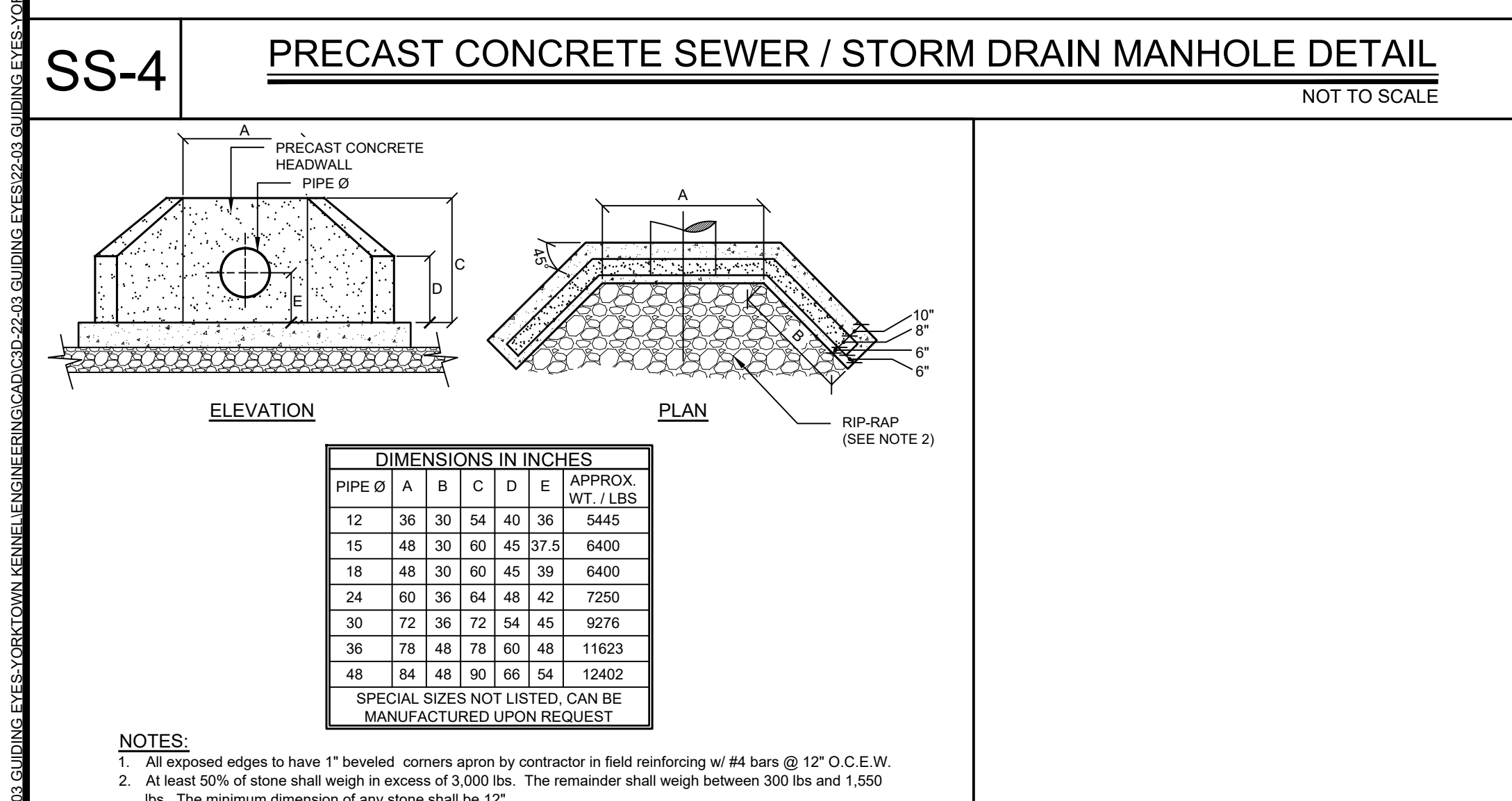
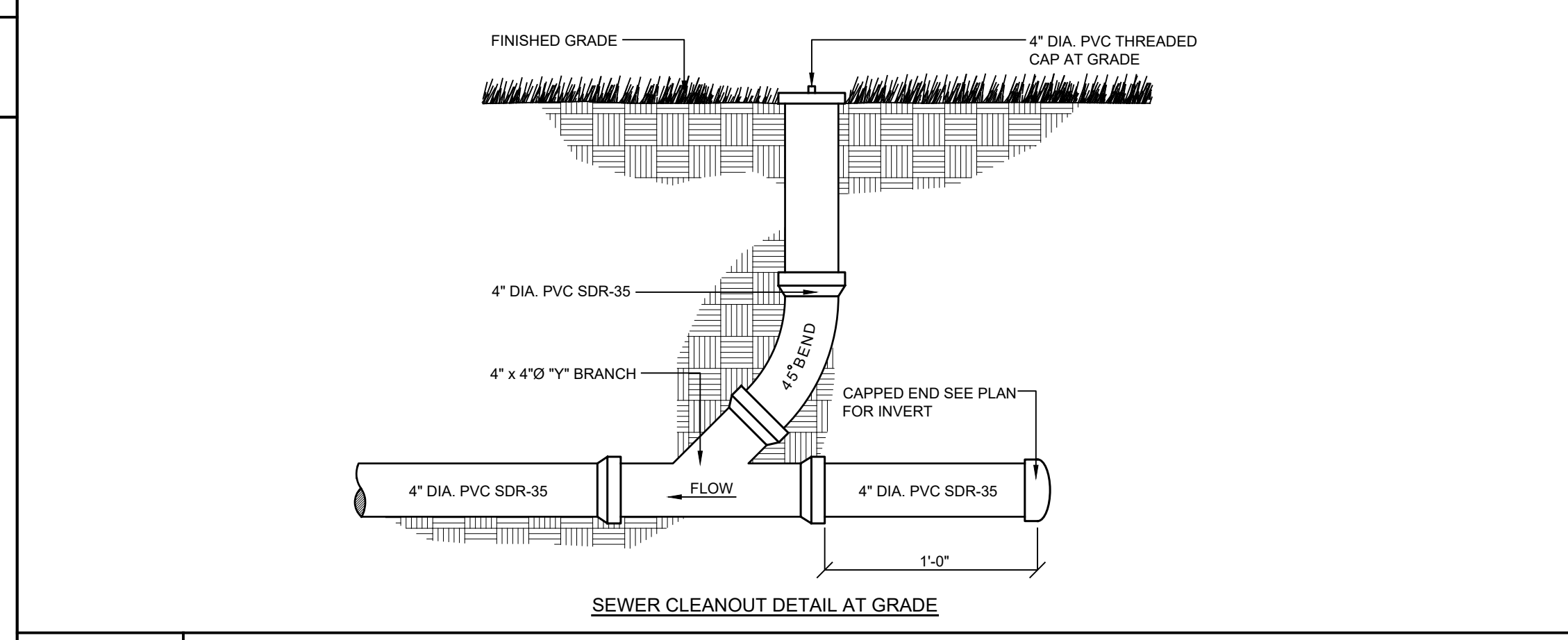
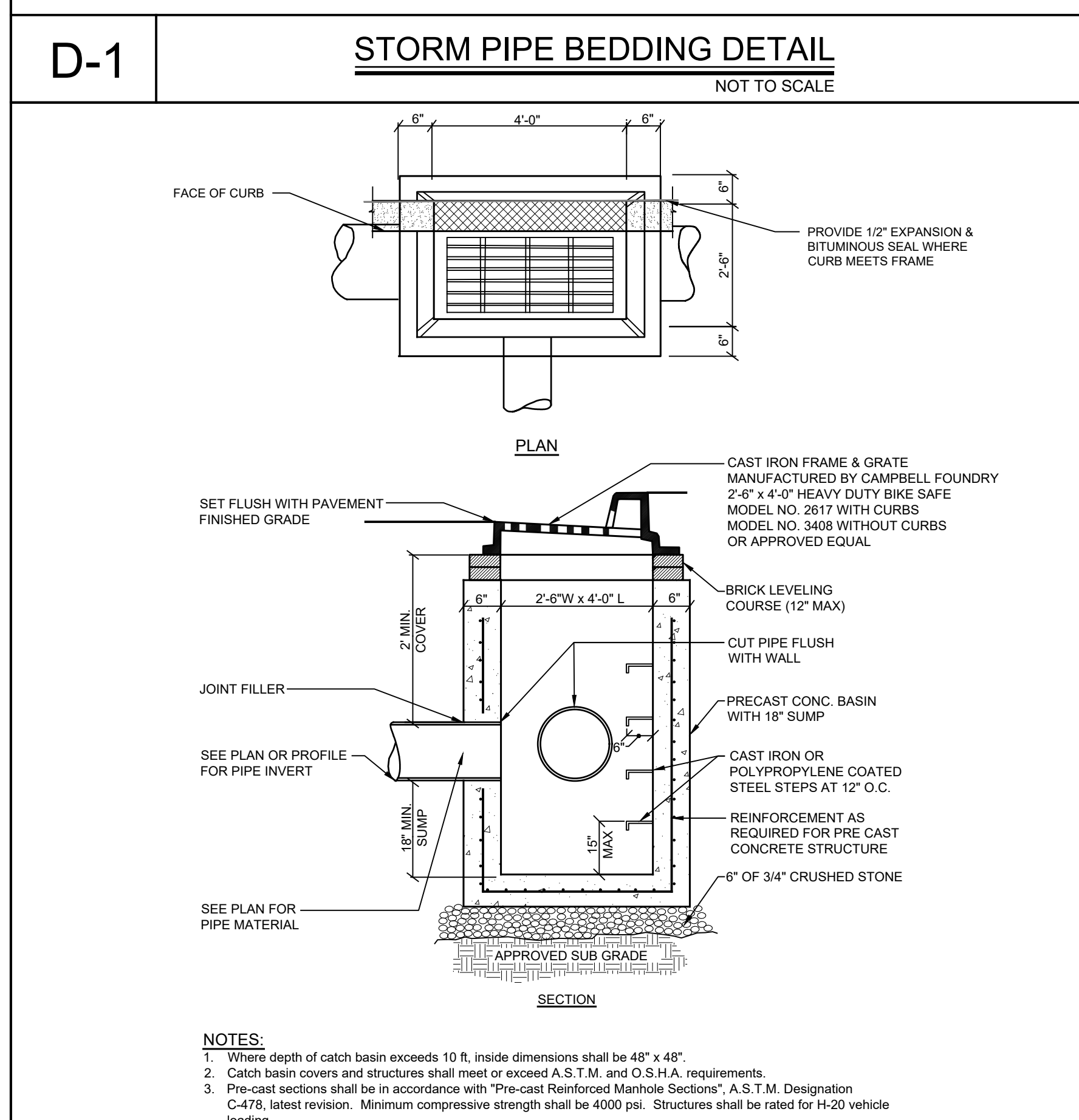
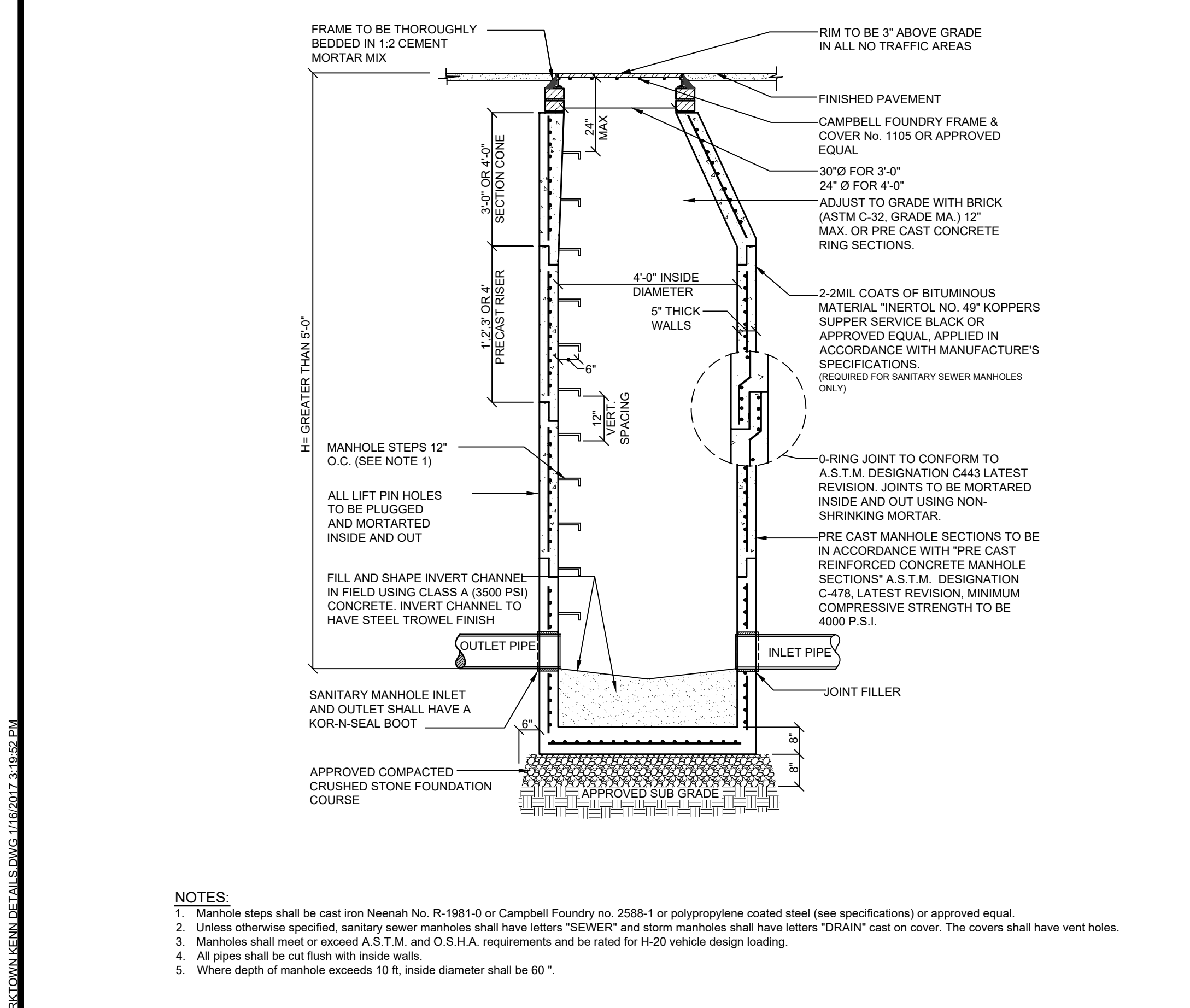
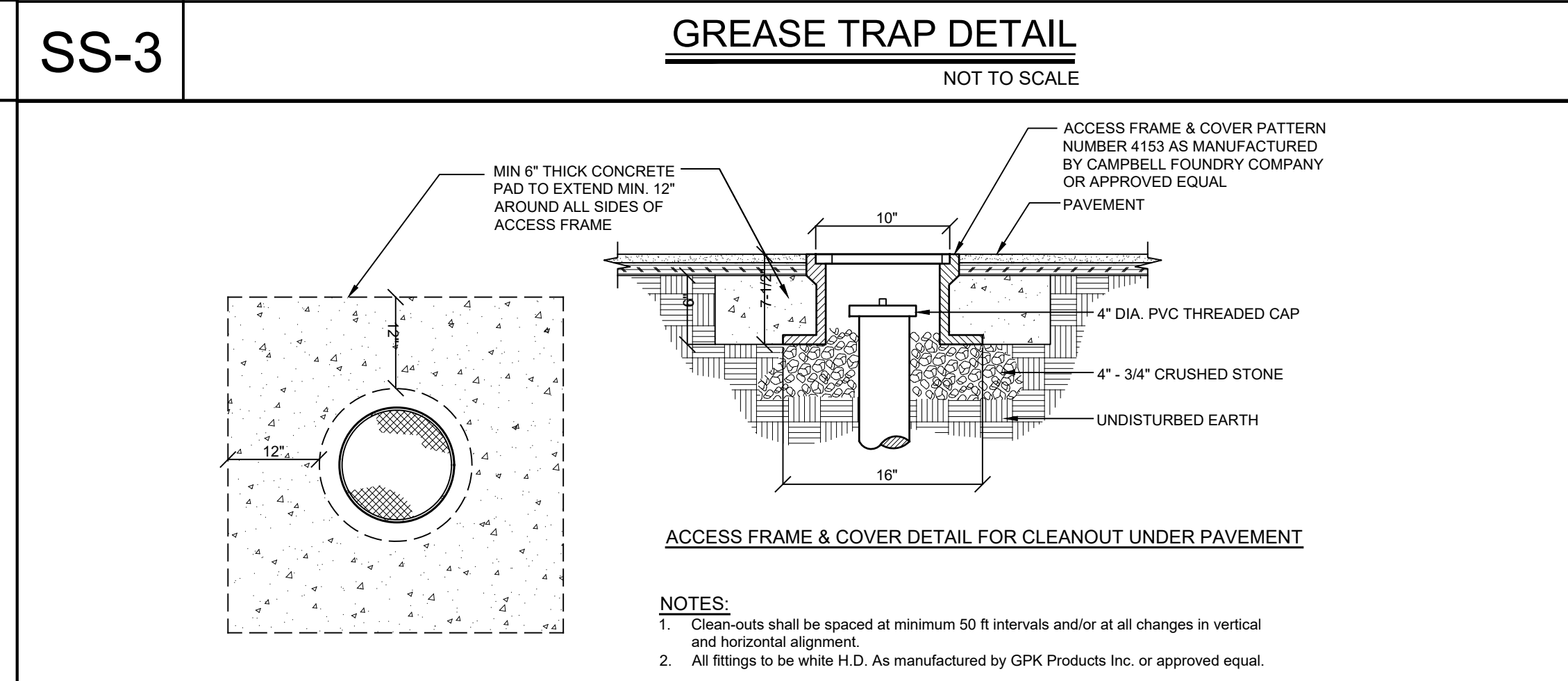
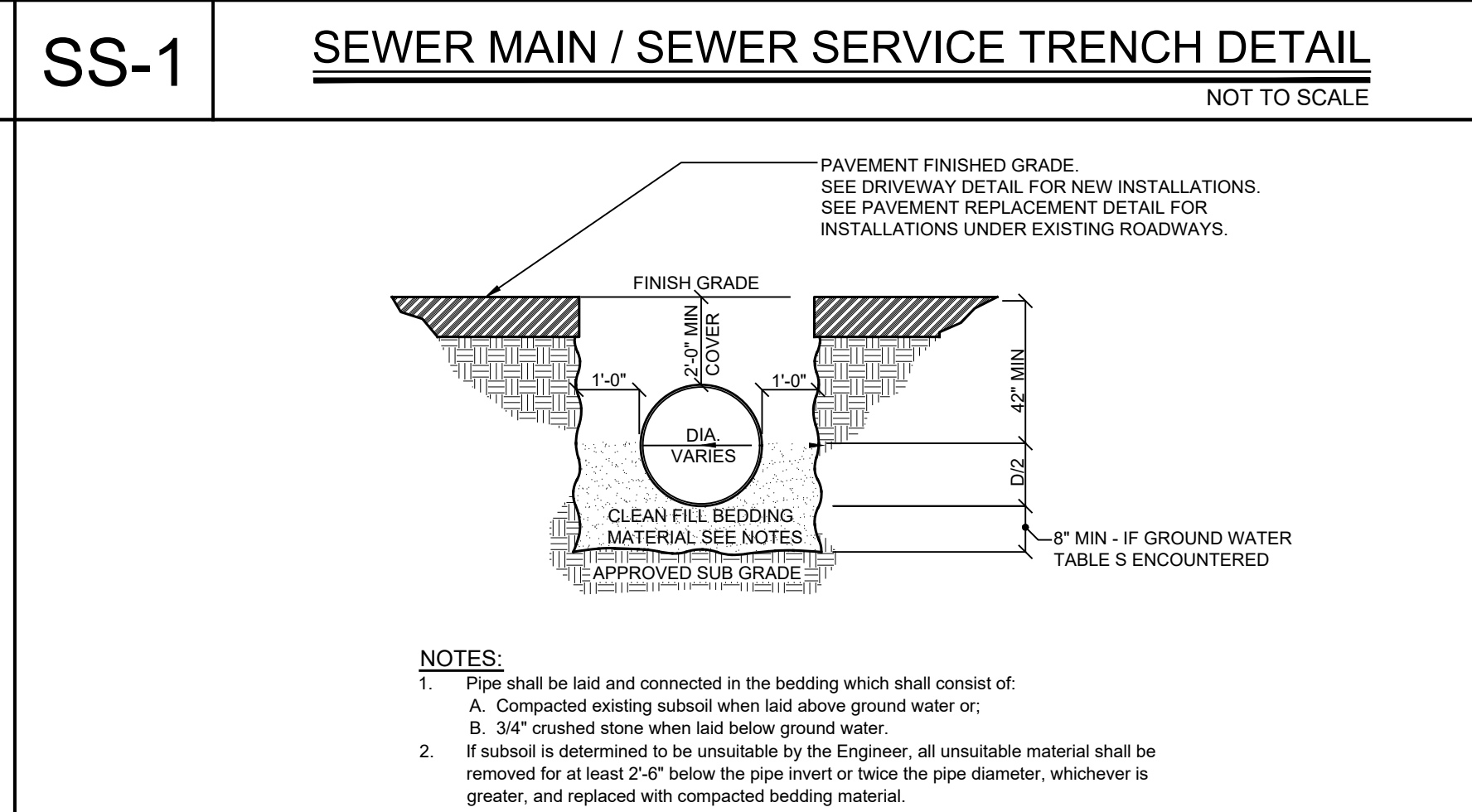
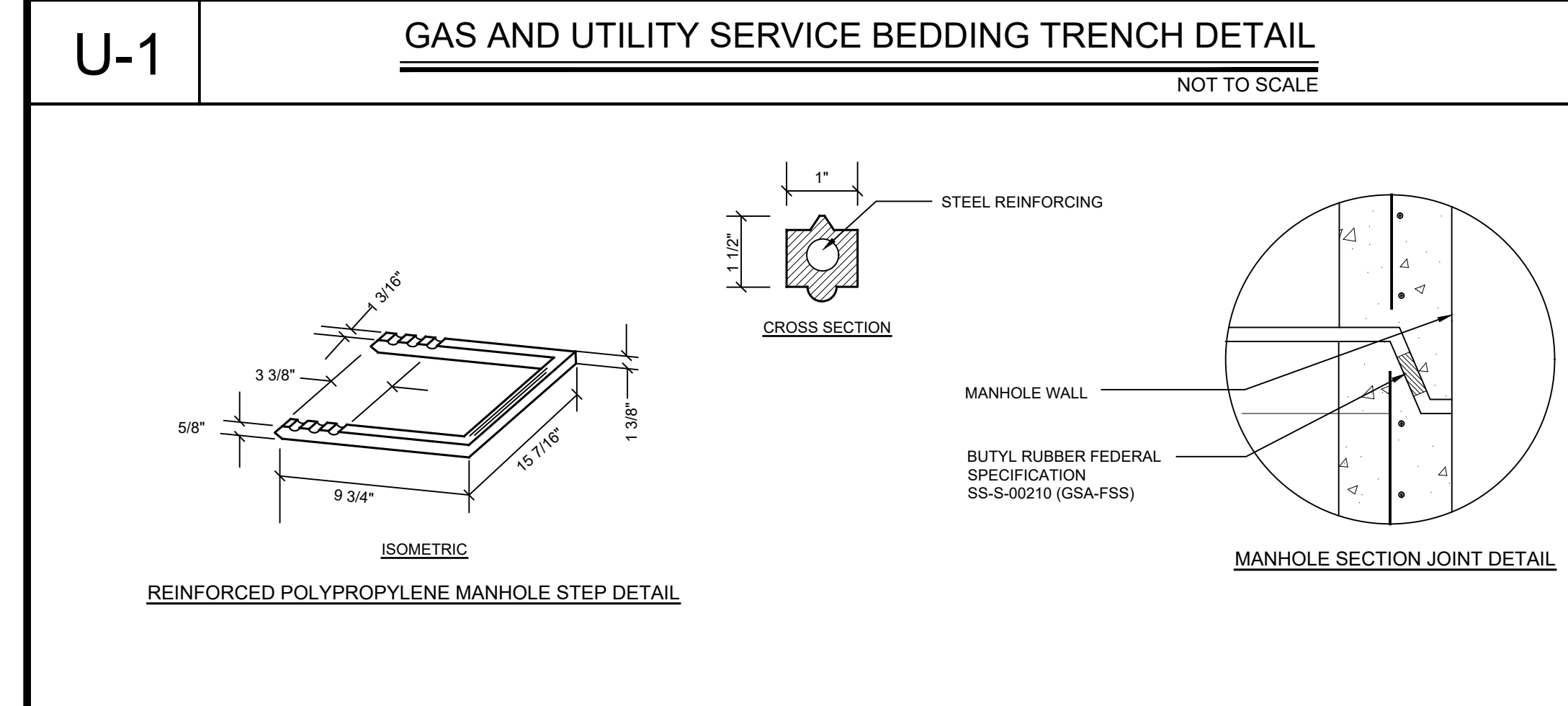
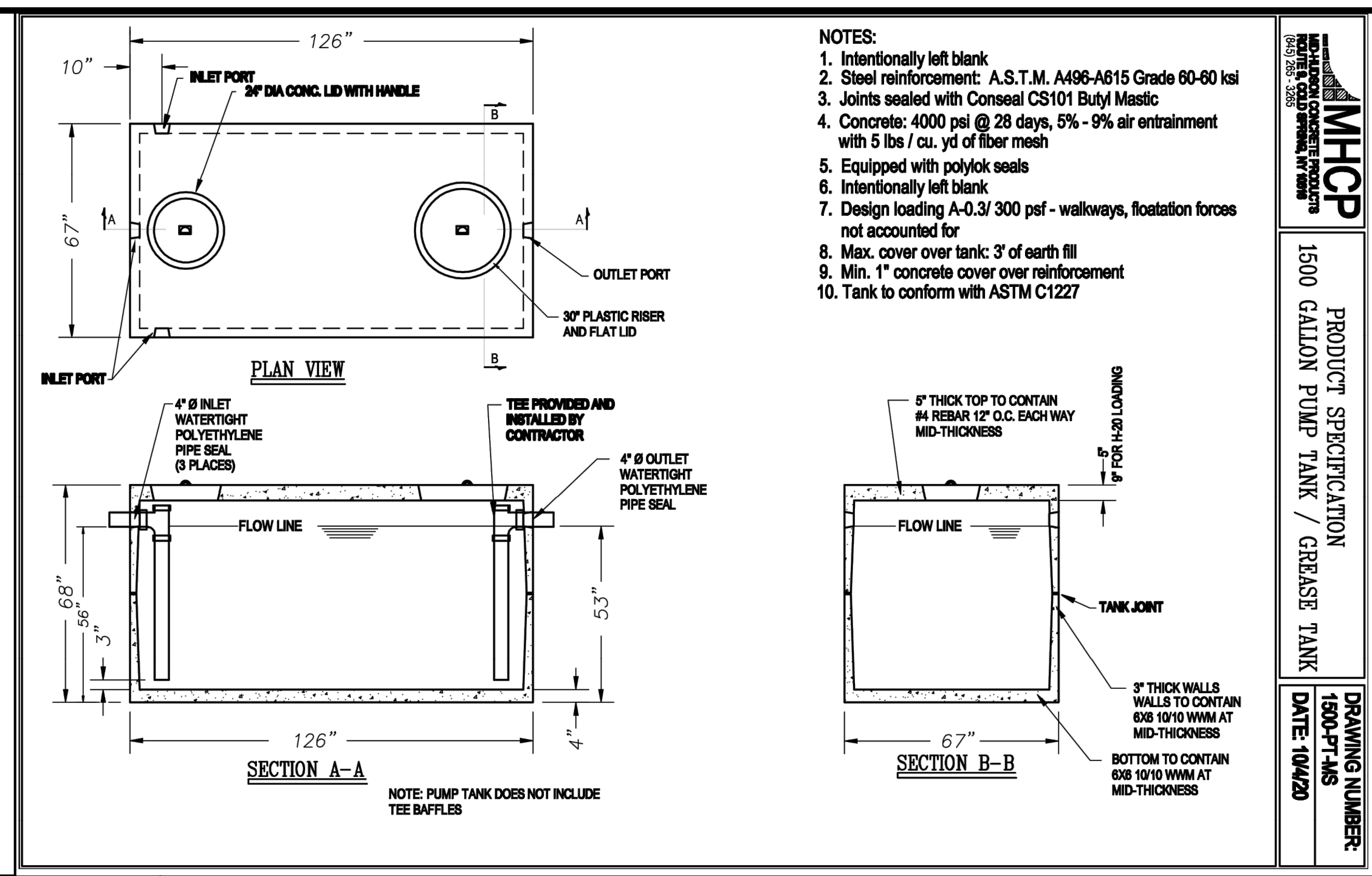
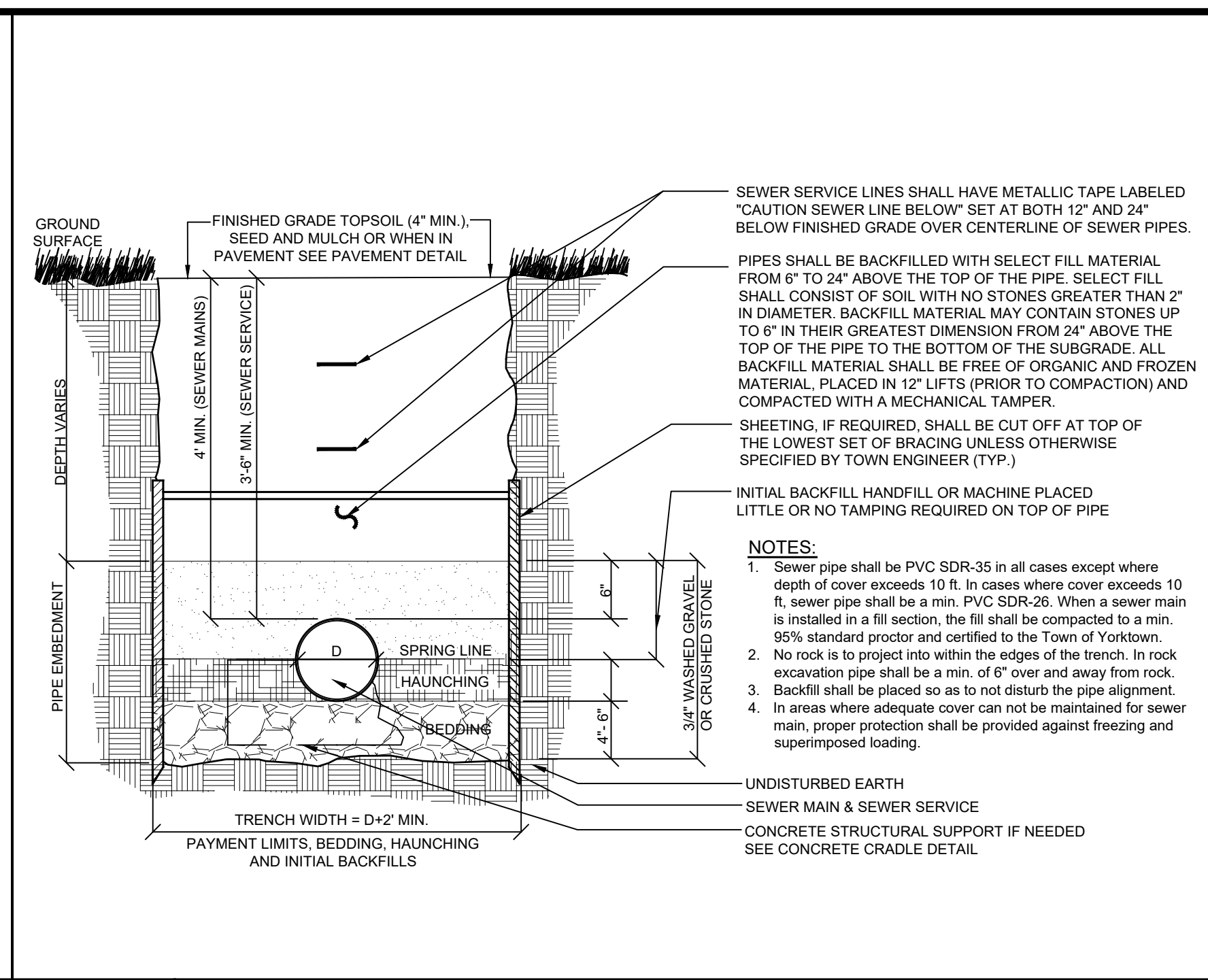
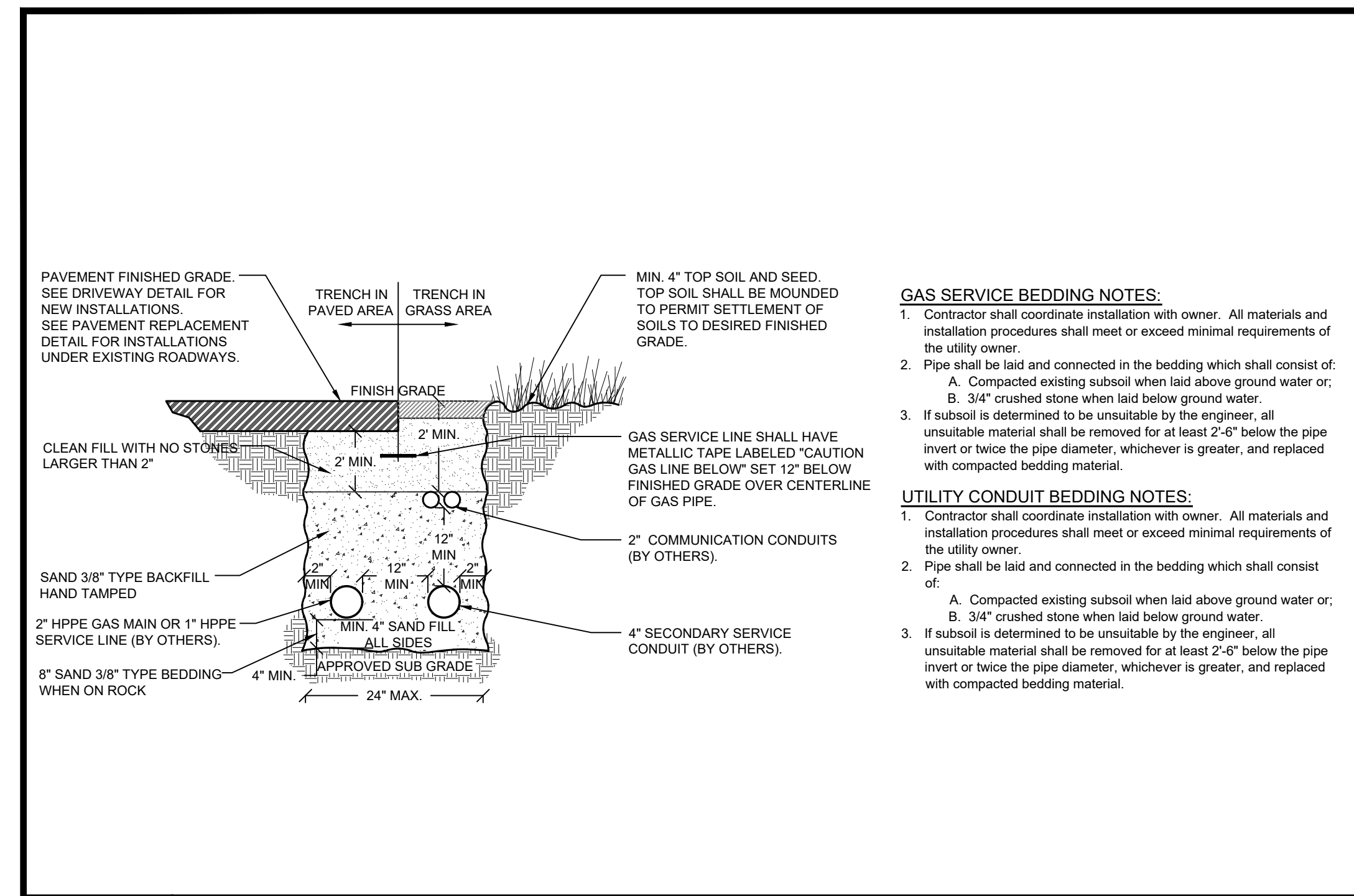
GUIDING EYES FOR THE BLIND - TRAINING SCHOOL KENNEL

3241 CROMFORD ROAD
Yorktown
Westchester County, New York

Sheet **C-504**

20230226.03 GUIDING EYES FOR THE BLIND - TRAINING SCHOOL KENNEL - PRELIMINARY PLAN - 3241 CROMFORD ROAD - YORKTOWN, NY - 10598 - 11/20/23 - 11:52 AM

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



MHCP

1500 GALLON PUMP TANK / GREASE TANK

DATE: 10/20/20

DRAWING NUMBER: 1500-GP-TANK

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PROJECT # 22-03

SEWERAGE AUTHORITY OF THE STATE OF NEW YORK

JOSEPH J. PETERSON, P.E.

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NY State License No. 6441

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SCALE: 1" = 30'

DRAWN BY: JR

DATE: 1/05/2023

UTILITY DETAILS

PRELIMINARY PLAN

PREPARED FOR

GUIDING EYES FOR THE BLIND - TRAINING SCHOOL KENNEL

3241 CROMFORD ROAD

Westchester County, New York

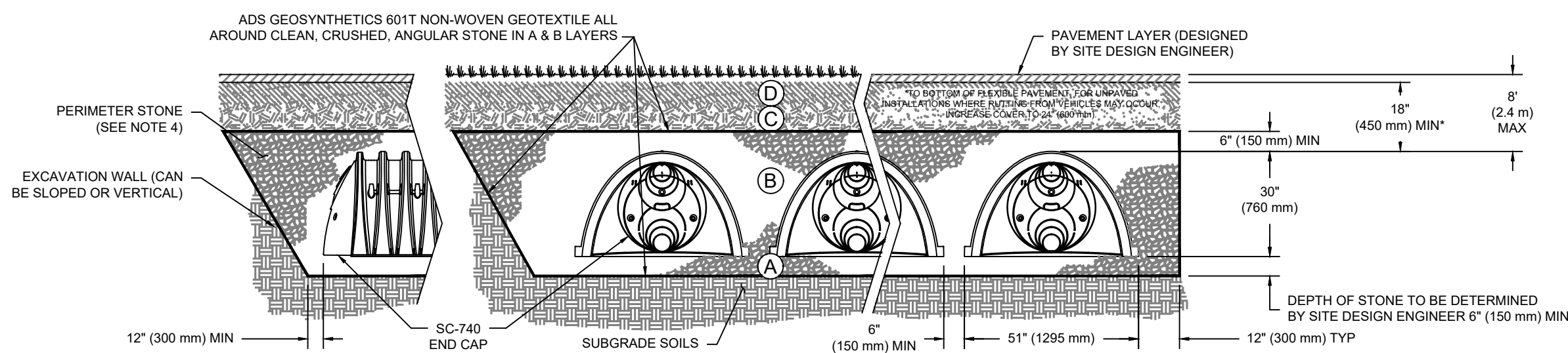
Town of Yorktown

Sheet **C-505**

ACCEPTABLE FILL MATERIALS: STORMTECH SC-740 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 (A LAYER) TO 1" (25.4 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE OR MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	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.	CLEAN, CRUSHED, ANGULAR STONE AASHTO M43 ¹ 3, 397, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE AASHTO M43 ¹ 3, 397, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{2,3}

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 ALL LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERSAGES 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.
 4. 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.



NOTES:

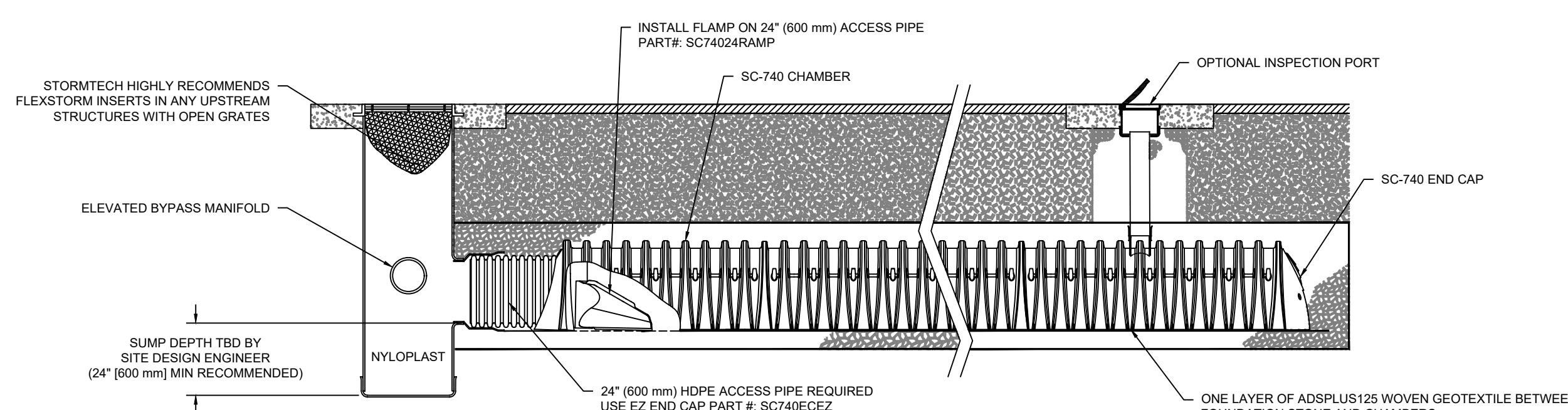
- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2787 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- SC-740 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- 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.
- PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, (a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 850 LBS/FT², THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND (b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.



SW-1

STORMTECH SC-740 CHAMBER SYSTEMS

NOT TO SCALE



SC-740 ISOLATOR ROW PLUS DETAIL

INSPECTION & MAINTENANCE

- STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- INSPECTION PORTS (IF PRESENT)
 - REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
 - REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
 - USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
 - LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
 - IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
 - ALL ISOLATOR ROW PLUS ROWS
 - REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
 - USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
 - MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
 - FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
 - 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 PLUS USING THE JETVAC PROCESS
- A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 40° (1.1 m) OR MORE IS PREFERRED
 - APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
 - 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.
- CONDUCT JETTING AND VACUUMING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.



SW-2

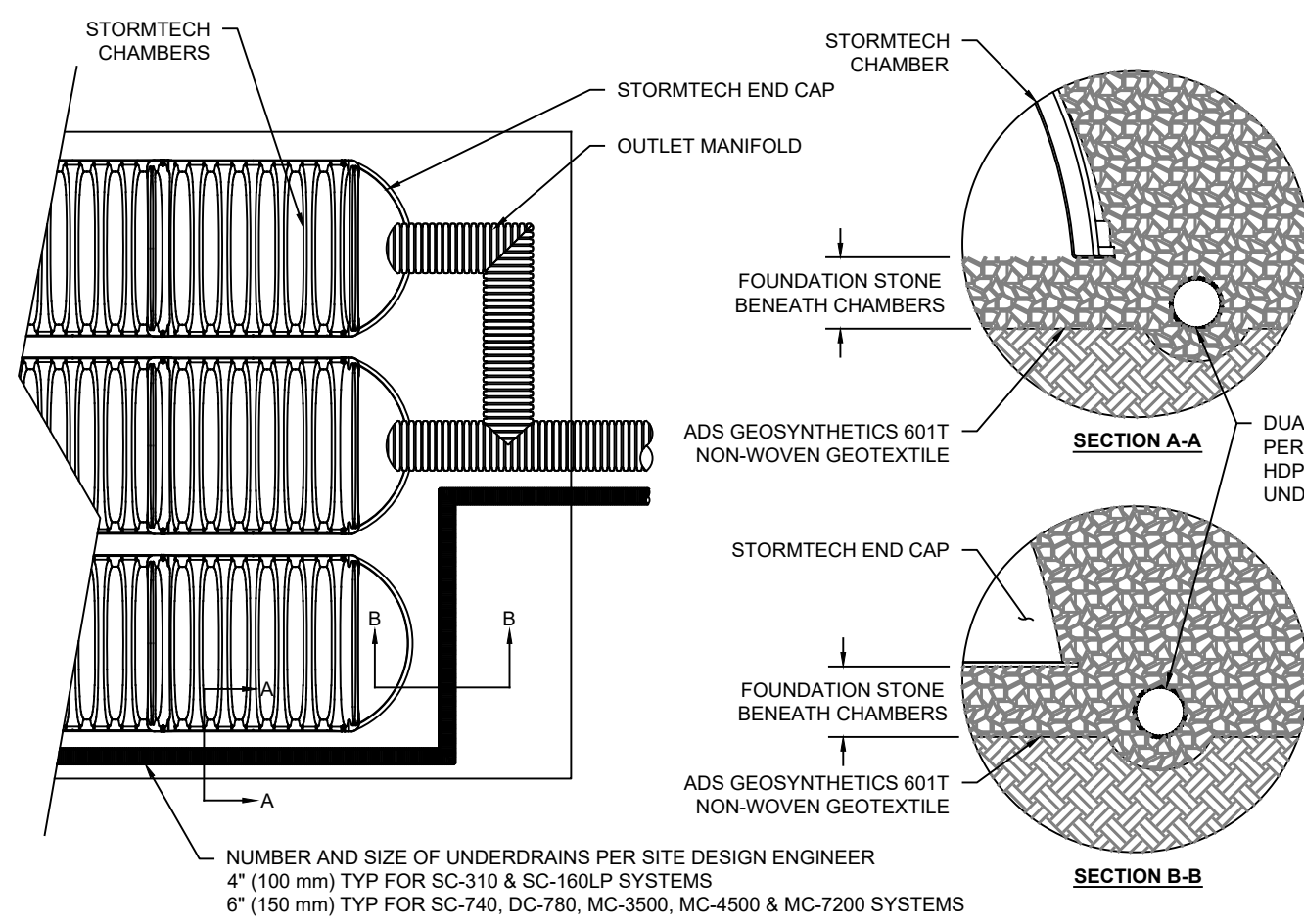
STORMTECH SC-740 CHAMBER SYSTEMS

NOT TO SCALE

SW-4

SC-740 TECHNICAL SPECIFICATION

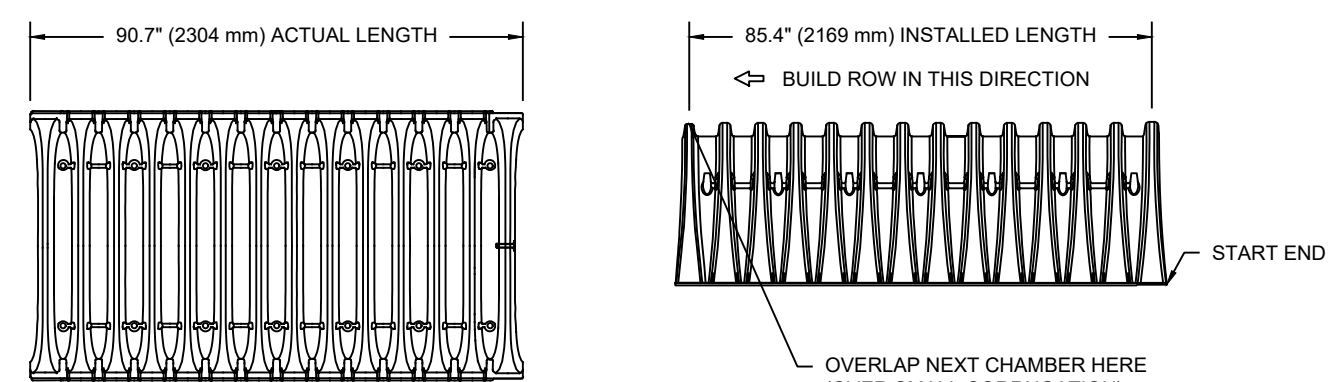
NOT TO SCALE



SW-3

STORMTECH UNDERDRAIN DETAIL

NOT TO SCALE



NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	51.0" X 30.0" X 85.4" (1295 mm X 762 mm X 2169 mm)
CHAMBER STORAGE	45.9 CUBIC FEET (1,300 m ³)
MINIMUM INSTALLED STORAGE*	74.9 CUBIC FEET (2,127 m ³)
WEIGHT	75.0 lbs. (33.6 kg)

*ASSUMES 6" (152 mm) STONE ABOVE, BELOW, AND BETWEEN CHAMBERS

PRE-FAB STUB AT BOTTOM OF END CAP WITH FLAMP END WITH "B"
 PRE-FAB STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
 PRE-FAB STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"
 PRE-CORDED END CAPS END WITH "PC"

PART #	STUB	A	B	C
SC740PE00T / SC740PE00TFC	—	—	18.5" (470 mm)	—
SC740PE00B / SC740PE00BFC	6" (150 mm)	10.9" (277 mm)	—	0.5" (13 mm)
SC740PE01T / SC740PE01TFC	8" (200 mm)	12.2" (310 mm)	18.5" (470 mm)	—
SC740PE00B / SC740PE00BFC	—	—	—	0.6" (15 mm)
SC740PE10T / SC740PE10TFC	10" (250 mm)	13.4" (340 mm)	14.5" (368 mm)	—
SC740PE10B / SC740PE10BFC	—	—	—	0.7" (18 mm)
SC740PE12T / SC740PE12TFC	12" (300 mm)	14.7" (373 mm)	12.5" (318 mm)	—
SC740PE12B / SC740PE12BFC	—	—	—	1.2" (30 mm)
SC740PE15T / SC740PE15TFC	15" (375 mm)	18.4" (467 mm)	9.0" (229 mm)	—
SC740PE15B / SC740PE15BFC	—	—	—	1.3" (33 mm)
SC740PE18T / SC740PE18TFC	18" (450 mm)	19.7" (500 mm)	5.0" (127 mm)	—
SC740PE18B / SC740PE18BFC	—	—	—	1.6" (41 mm)
SC740ECEZ*	24" (600 mm)	18.5" (470 mm)	—	0.1" (3 mm)

ALL STUBS, EXCEPT FOR THE SC740ECEZ 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 1-888-802-2694.

* FOR THE SC740ECEZ THE 24" (600 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 1.74" (44 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

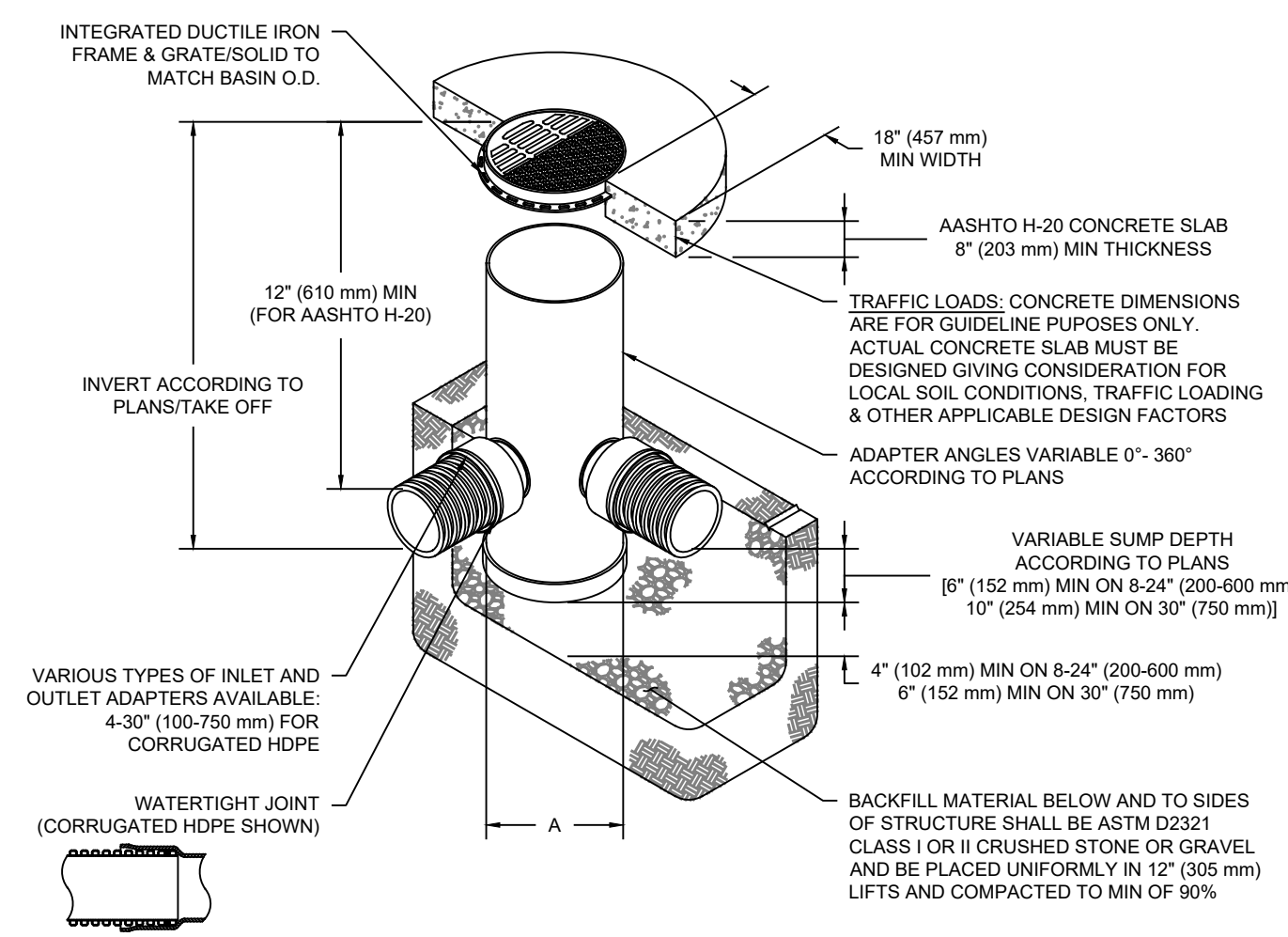
NOTE: ALL DIMENSIONS ARE NOMINAL



SW-5

NYLOPLAST DRAIN BASIN

NOT TO SCALE



NOTES

- 8-30" (200-750 mm) GRATES/SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A538 GRADE 70-90-05
- 12-30" (300-750 mm) FRAMES SHALL BE DUCTILE IRON PER ASTM A538 GRADE 70-90-05
- DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS
- DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HOPE ADS & HANCOCK DUAL WALL & SDP 35 PVC
- FOR COMPLETE DESIGN AND PRODUCT INFORMATION: WWW.NYLOPLAST-US.COM
- TO ORDER CALL: 800-421-8716

A	PART #	GRATE/SOLID COVER OPTIONS
8"	2808AG	PEDESTRIAN LIGHT DUTY STANDARD LIGHT DUTY SOLID LIGHT DUTY
10"	2810AG	PEDESTRIAN LIGHT DUTY STANDARD LIGHT DUTY SOLID LIGHT DUTY
12"	2812AG	PEDESTRIAN AASHTO H-10 STANDARD AASHTO H-20 SOLID AASHTO H-20
15"	2815AG	PEDESTRIAN AASHTO H-10 STANDARD AASHTO H-20 SOLID AASHTO H-20
18"	2818AG	PEDESTRIAN AASHTO H-10 STANDARD AASHTO H-20 SOLID AASHTO H-20
24"	2824AG	PEDESTRIAN AASHTO H-10 STANDARD AASHTO H-20 SOLID AASHTO H-20
30"	2830AG	PEDESTRIAN AASHTO H-20 STANDARD AASHTO H-20 SOLID AASHTO H-20



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PROJECT # 22-03

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Revisions:

No.	Date	Comments
1.	1/25/23	Perkins, Sheld
2.	7/6/23	Site Revision
3.	8/29/23	Final Issues

SCALE: 1" = 30"

DRAWN BY: JR

DATE: 1/05/2023

STORMWATER MANAGEMENT DETAILS

PRELIMINARY PLAN
 PREPARED FOR
GUIDING EYES FOR THE BLIND - TRAINING SCHOOL KENNEL
 324 CROMFORD ROAD
 Yorktown, Westchester County, New York

Sheet **C-506**

2023/07/26 09:53 GUIDING EYES FOR THE BLIND - TRAINING SCHOOL KENNEL 324 CROMFORD ROAD YORKTOWN, NY 10598 PLOT 3 118 97 27

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