

STORM PIPE SCHEDULE							
Structure	FROM		TO		PIPE		
From	Ground Elev.	Invert Elev.	Structure To	Invert Elev.	Length (feet)	Size (inches)	Slope %
NODE-6	300.15	298.40	NODE-5	298.25	14	6	1.07
NODE-5	300.15	298.25	NODE-4	298.05	17	6	1.18
NODE-4	300.25	298.05	NODE-3	297.80	21	6	1.19
NODE-3	300.25	297.80	CB-1	297.50	28	6	1.07
NODE-2	300.05	297.50	NODE-1	297.15	34	6	1.03
NODE-1	300.10	297.15	Chambers	296.00	103	6	1.12
RDL-1	300.25	298.92	NODE-1	297.15	3	4	58.89
RDL-2	300.25	298.92	NODE-2	297.50	3	4	47.22
RDL-3	300.25	298.92	NODE-2	297.50	34	4	4.17
RDL-4	300.25	298.92	NODE-6	298.40	32	4	1.61
RDL-5	300.25	298.92	NODE-6	298.40	3	4	17.22
RDL-6	300.25	298.92	NODE-5	298.25	3	4	22.22
RDL-7	300.25	298.92	NODE-4	298.05	6	4	14.44
RDL-8	300.25	298.92	NODE-3	297.80	6	4	18.61

SIGN SCHEDULE

PLAN SYMBOL	SIGN	MUTCD SIGN NO.	PLAN REFERENCE	SIZE	QTY.
		R7-8	HANDICAP PARKING	12" X 18"	1

EROSION & SEDIMENT CONTROL PLAN LEGEND

- SILT FENCE
- CONSTRUCTION FENCE
- TREE PROTECTION FENCE
- SOIL STOCKPILE
- INLET PROTECTION
- CONCRETE WASHOUT AREA
- LIMIT OF DISTURBANCE LINE

PLAN LEGEND

- PROPERTY LINE
- EXISTING EDGE OF PAVEMENT
- PROPOSED CONTOUR
- PROPOSED SPOT GRADE
- DRAIN INLET
- PROPOSED SANITARY SEWER PIPE
- PROPOSED WATER SERVICE LINE
- PERCOLATION TEST HOLE
- DEEP HOLE TEST
- PROPOSED SUBSURFACE CHAMBERS
- PROPOSED ABSORPTION TRENCHES

OWNER AND APPLICANT:
St. Augustine Roman Catholic Church
381 North Highland Avenue
Ossining, NY 10562

CONSULTANTS:
PROJECT ARCHITECT:
Jaclyn Tyler, AIA, Nexus Creative Design
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75 Hawkes Avenue
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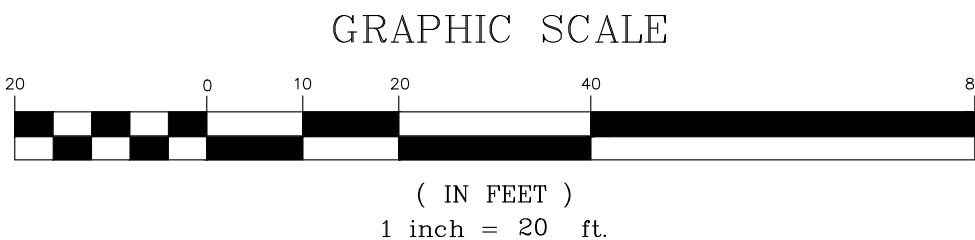
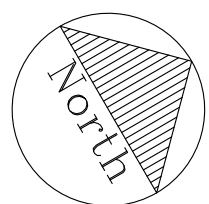
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Drawing Title:
Grading and Utilities Plan

Date: September 19, 2025
Dwn. by: alp
ID: St.Augustine Chapel_C09-19-2025.1

S-101

Call number:
Alan L. Pili
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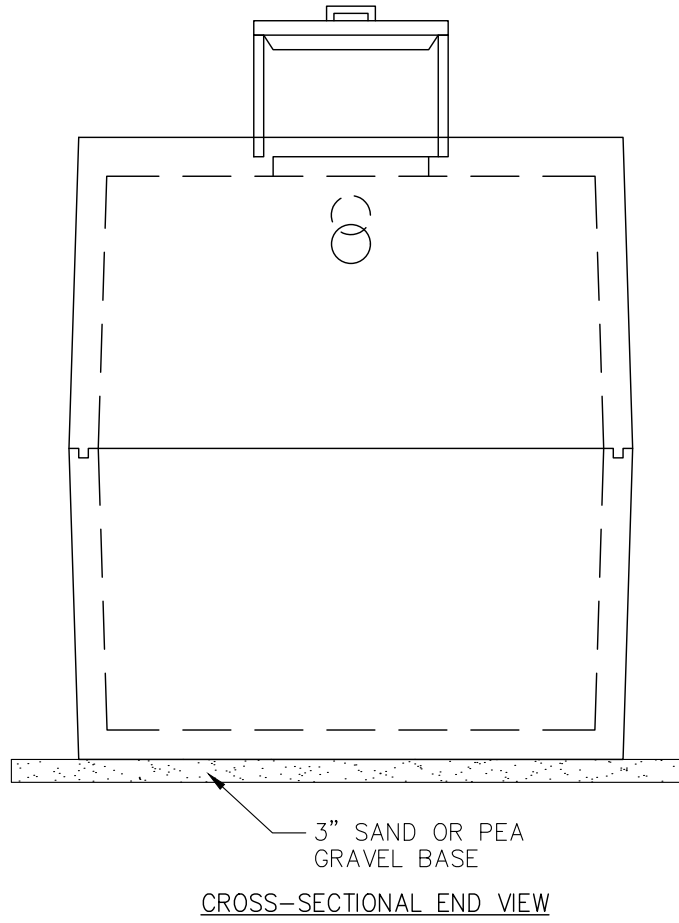
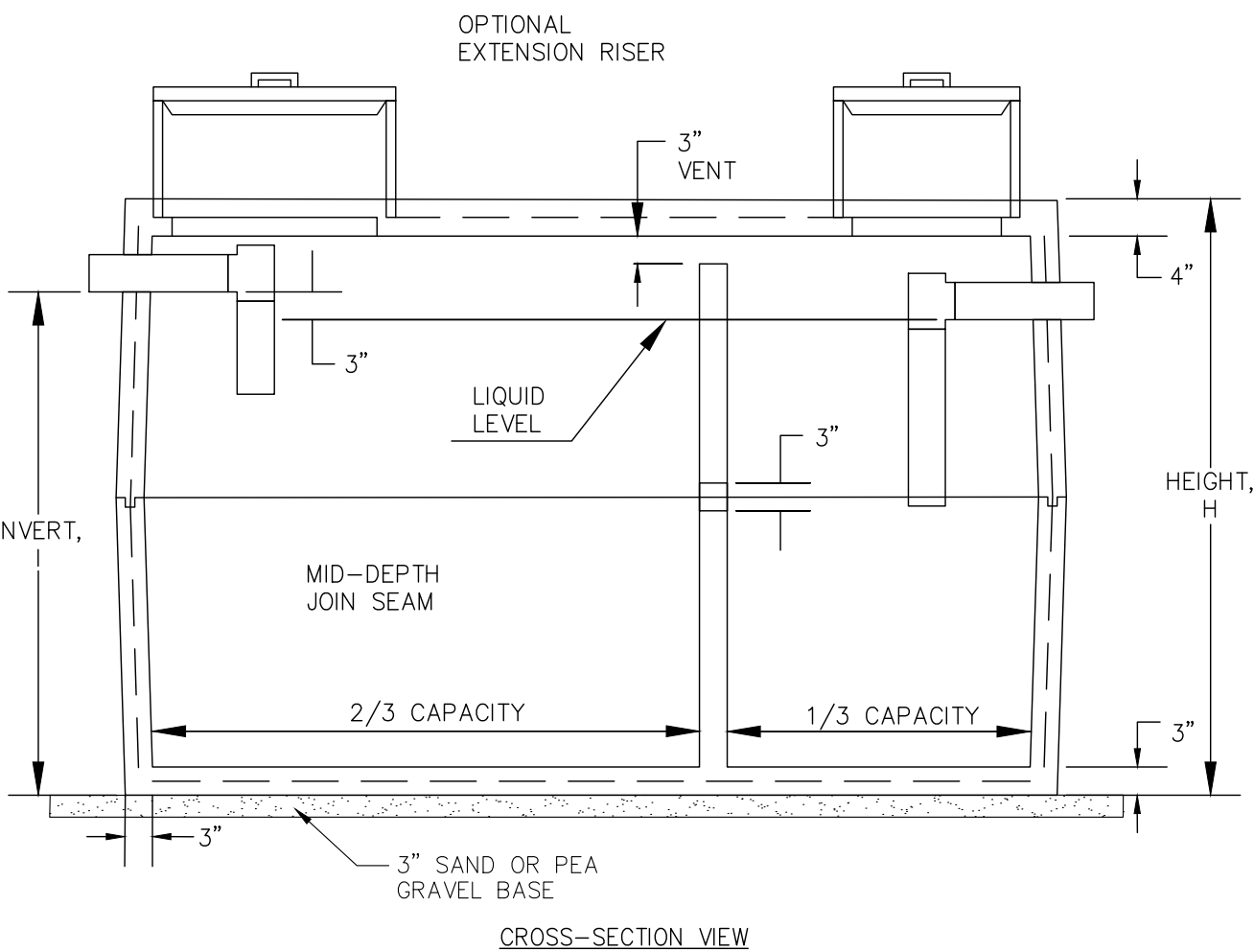
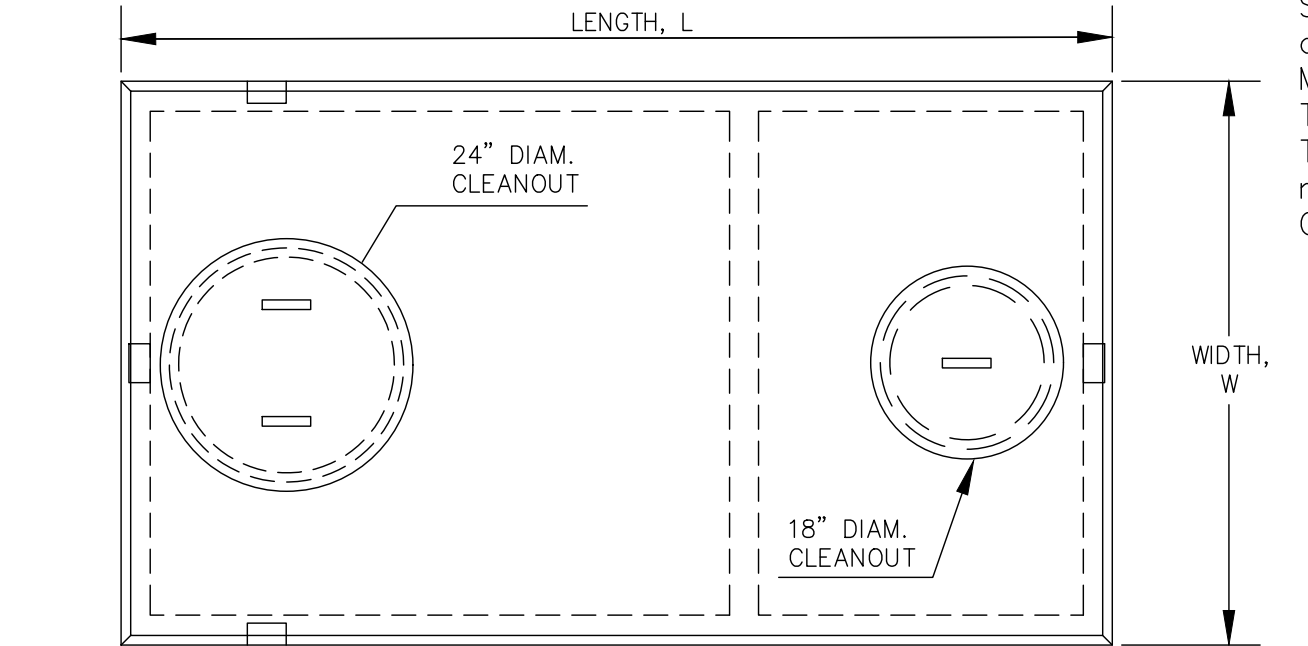
1,000 Gallon Septic Tank

1

MODEL NO.	LIQUID CAPACITY	LENGTH L	WIDTH W	INVERT I	HEIGHT H	WEIGHT (LBS.)
T1000RES	1,000	8'-6"	4'-10"	4'-6"	5'-4"	8,042

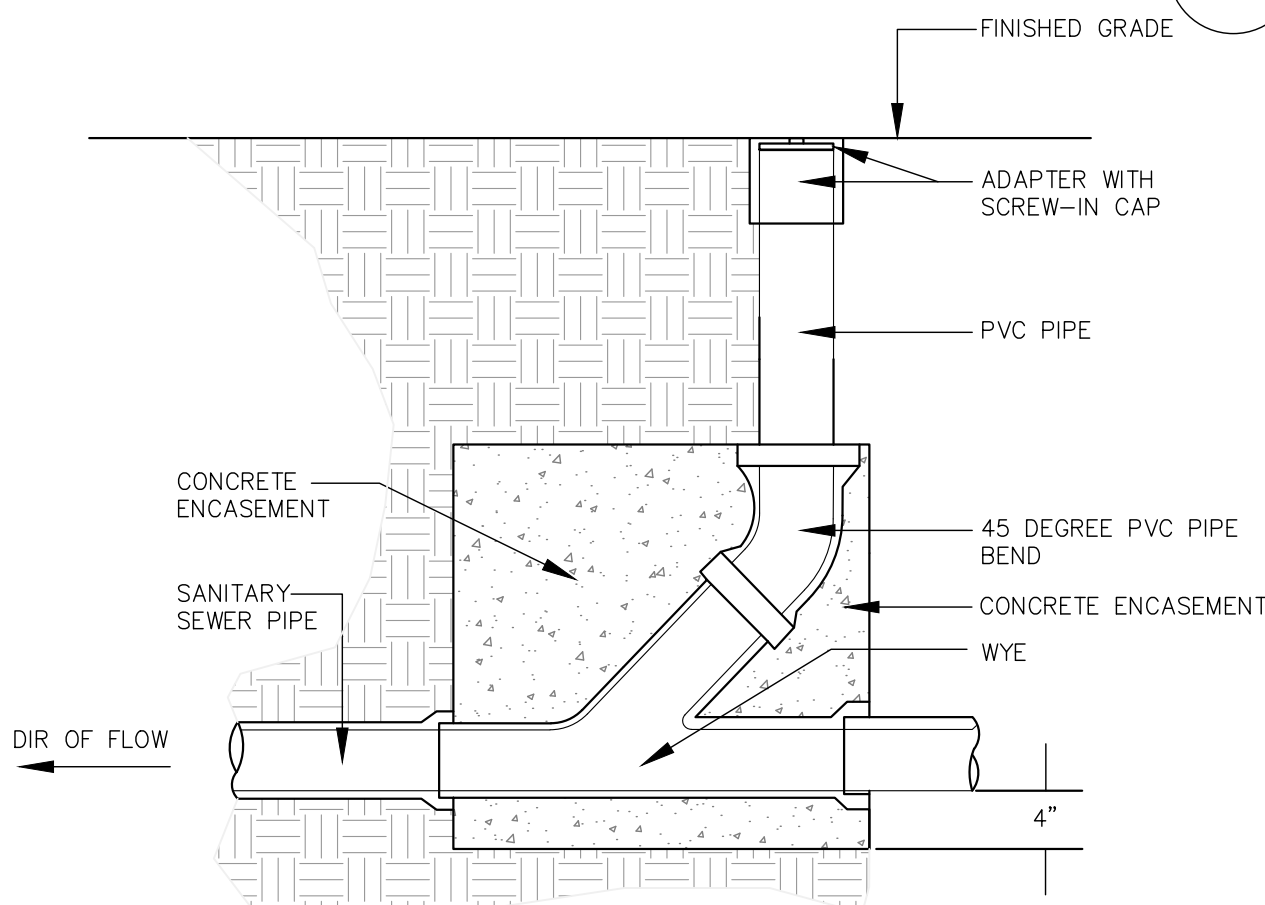
NOTES:

Concrete — 4,000 PSI @ 28 days.
Meets or exceeds state and local requirements.
All shiplap joints sealed with Butyl Rubber.
Non-Traffic loading use only.
Two compartment tank.
Side inlet pipes shall extend to cleanout cover through cast in pipe support.
Maximum fill over top of tank — 3 feet.
Tank shall be supplies with tees and biofilter.
Tank shall be marked with manufacturer name, phone number, tank capacity, date of manufacture, and ASTM C1227 conformance.



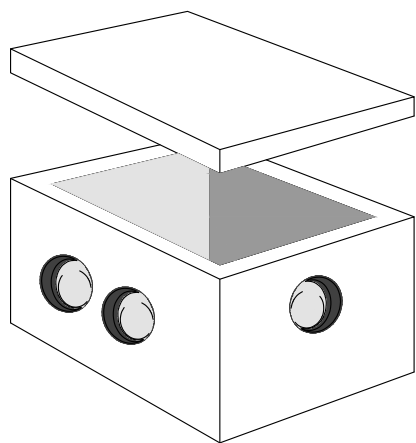
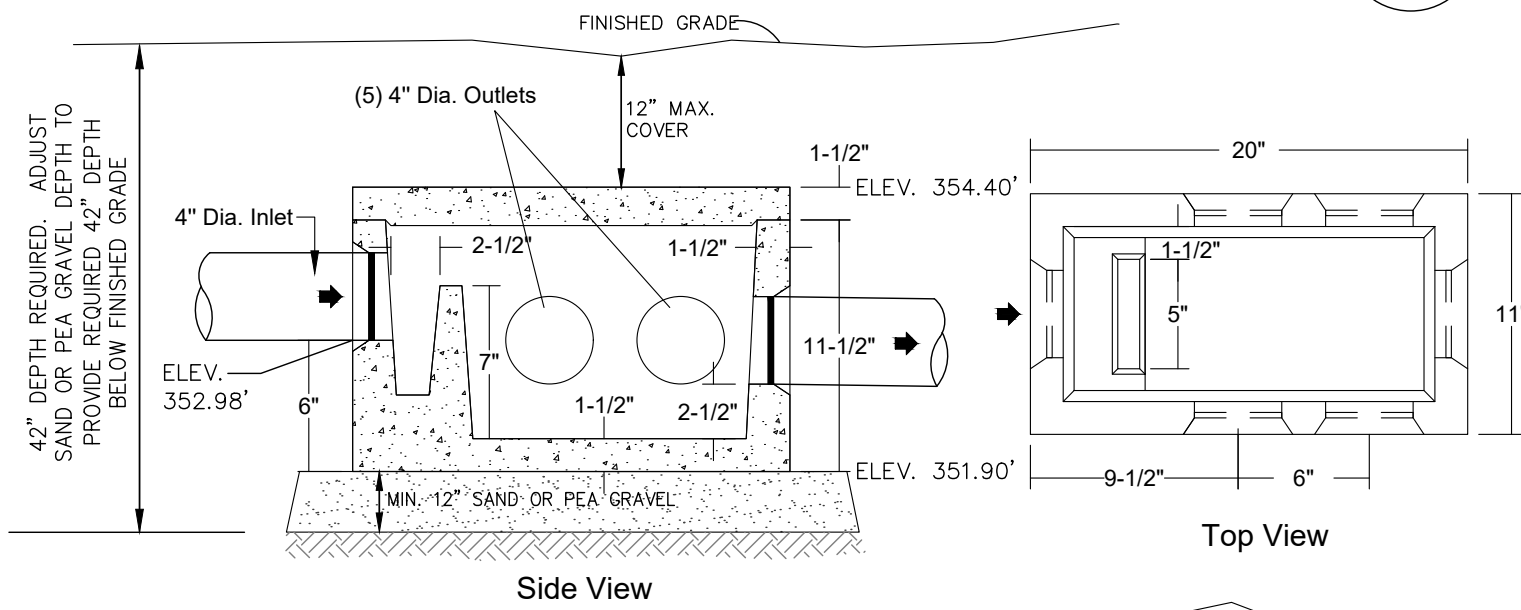
Clean-Out for Sanitary/Storm Pipe

5



Distribution Box

2

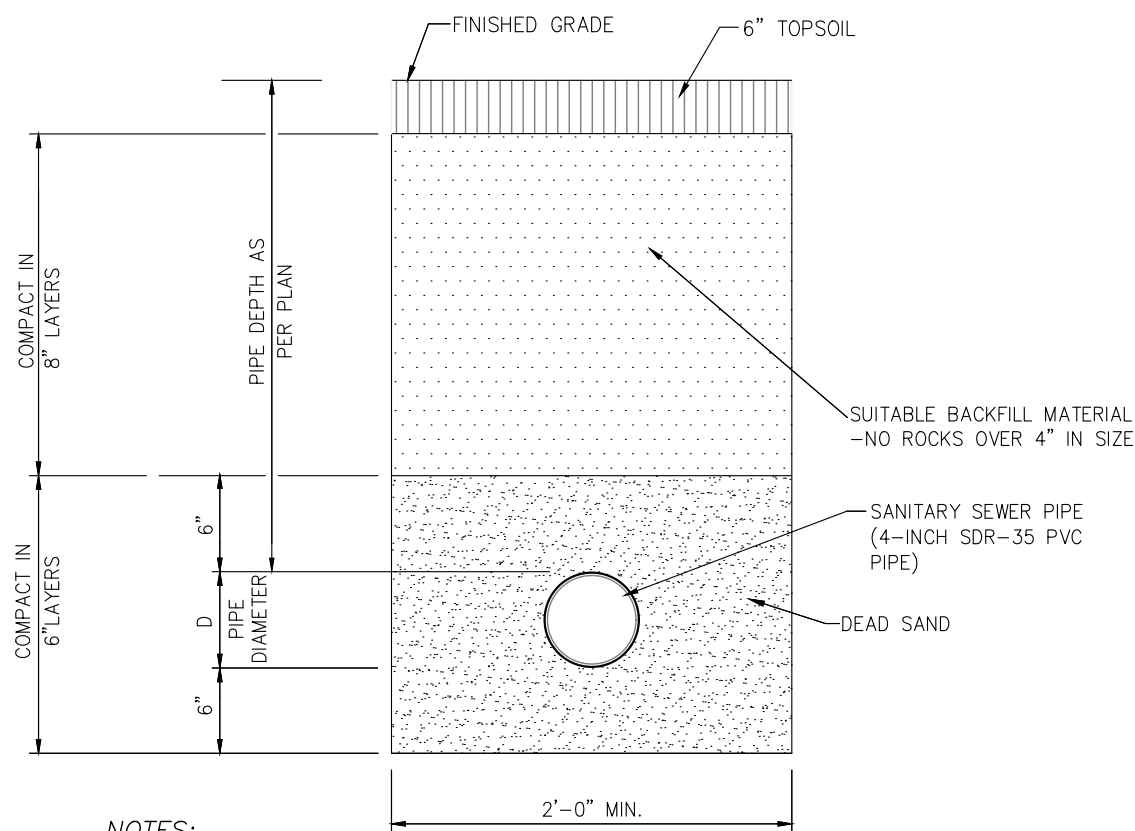


NOTES:

- BOTTOM OF DISTRIBUTION BOX MUST BE LEVEL AND FIRMLY SUPPORTED TO BELOW FROST LINE. FOOTING TO EXTEND TO 36" BELOW FINISHED GROUND LEVEL. ADJUST THICKNESS OF SAND OR PEA GRAVEL TO ACHIEVE THE REQUIRE DEPTH.
 - WATERPROOFED MASONRY CONSTRUCTION.
 - NOT LESS THAN TWO OUTLETS WITH ONE OUTLET FOR EACH LATERAL.
 - TIGHT JOINT PIPES FROM SEPTIC TANK TO DISTRIBUTION BOX AND FROM DISTRIBUTION BOX TO JUNCTION BOX AND TO LATERALS.
 - SPEED LEVELER DEVICES ON EACH OUTLET IS REQUIRED TO ENSURE EQUAL FLOW DISTRIBUTION.
 - ALL OUTLET PIPES SHALL BE CUT FLUSH WITH THE INSIDE OF THE DISTRIBUTION BOX.
- ADDITIONAL NOTES:
- PIPE JOINTS TO BE SEALED WITH ASPHALTIC MATERIAL OR EQUIVALENT.
 - INVERT ELEVATIONS OF ALL OUTLET PIPES MUST BE EQUAL. USE OF FLOW EQUALIZATION DEVICES IS RECOMMENDED.
 - THE PIPE FROM THE SEPTIC TANK TO THE DISTRIBUTION BOX SHALL BE SLOPED AT LEAST 1/8" PER FOOT.
 - THE SLOPE OF OUTLET PIPES (HEADER PIPES) BETWEEN THE DISTRIBUTION BOX AND DISTRIBUTOR LATERALS SHALL BE A MINIMUM OF 1/32" PER FOOT.
 - BAFFLE REQUIRED FOR SIPHON OR AUTOMATIC DOSING, OR IF INLET PIPE SLOPE EXCEEDS 1/2" PER FOOT.
 - BAFFLE CAN BE BUILT IN OR A PIPE ELBOW OR TEE.
 - THE BOXES SHALL BE INSTALLED IN CONFORMANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

Sanitary Sewer & Storm Drainage Pipe Trench

4



NOTES:

- COVER OVER SANITARY SEWER PIPE SHALL BE A MINIMUM OF FOUR (4) FEET FROM FINISHED GRADE TO TOP OF PIPE.

SANITARY SEWER PIPE SHALL BE CENTRIFUGALLY CAST IN ACCORDANCE WITH AWWA SPECIFICATIONS C-150 AND C-151, IN 18 OR 20 FOOT NOMINAL LENGTHS, CLASS 50. THE JOINT SHALL BE PUSH-ON TYPE THAT EMPLOYS A SINGLE ELONGATED, GROOVED, RUBBER GASKET TO EFFECT THE JOINT SEAL, IN ACCORDANCE WITH AWWA SPECIFICATION C-111, AND SHALL UTILIZE THE LUBRICANT RECOMMENDED BY THE MANUFACTURER ON ALL JOINT SURFACES.

FITTINGS SHALL BE IN ACCORDANCE WITH AWWA SPECIFICATION C-110, RATED 250 PSI, AND SHALL BE FURNISHED WITH MECHANICAL JOINTS IN ACCORDANCE WITH AWWA SPECIFICATION C-111. ALL JOINTS SHALL BE FURNISHED COMPLETE WITH ACCESSORIES CONSISTING OF CAST IRON GLANDS, HIGH STRENGTH BOLTS AND NUTS, AND PLAIN RUBBER GASKETS.

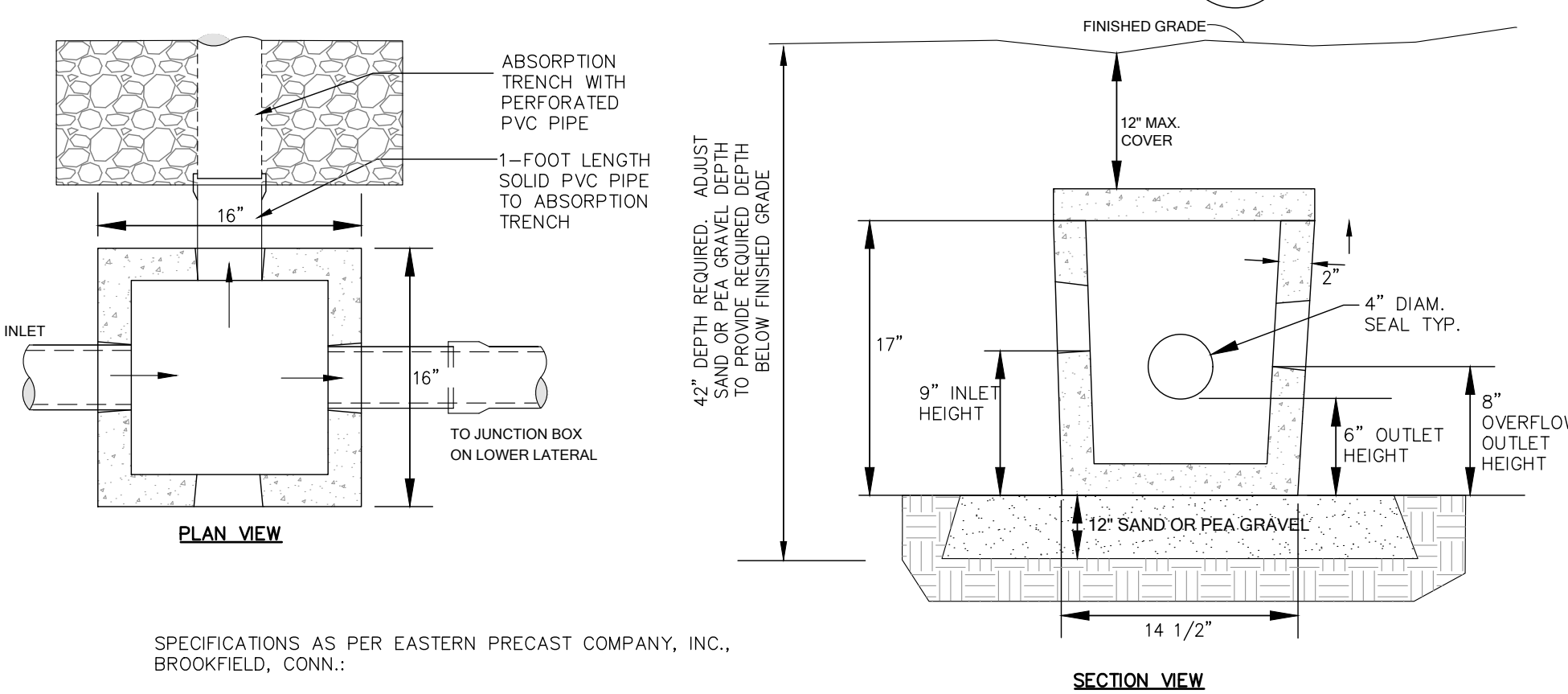
THE MANUFACTURER OF THE PIPE SHALL FURNISH TWO SILICON BRONZE WEDGES FOR EACH LENGTH OF PIPE TO BE USED IN THE PIPE INSTALLATION TO PROVIDE A POSITIVE MEANS OF ELECTRICAL CONDUCTIVITY ACROSS THE PIPE JOINT.

ALL PIPE AND FITTINGS SHALL BE COMPLETELY COATED INSIDE WITH CEMENT.

CLEANOUTS SHALL BE PROVIDED WITH A MINIMUM SPACING OF 50 FEET.

Junction Box

3

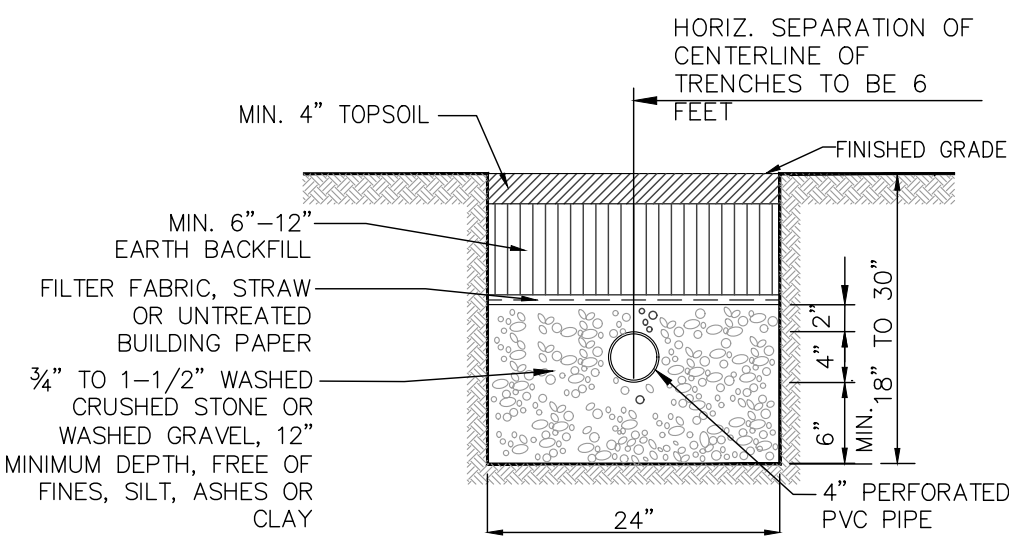


SPECIFICATIONS AS PER EASTERN PRECAST COMPANY, INC., BROOKFIELD, CONN.:

- CONCRETE MINIMUM COMPRESSIVE STRENGTH — 4,000 PSI @ 28 DAYS.
- STEEL REINFORCEMENT: WELDED WIRE MESH 6"x6"xW1.4/W1.4 ASTM A-185, OR EQUAL (LID).
- #3 DEFORMED BAR (GR. 40) ASTM A-615, OR EQUAL (BOX).
- FIBRE MESH REINFORCEMENT ASTM C-1116: EUCLID TUF-STRAND OR EQUAL @ A RATE OF 3.33 LBS/CY (BOX).
- 4" PIPE SEALS: TUF-TITE TS-4 PRO, OR EQUAL.
- APPROX. WEIGHT: BOX 140 LBS., LID 40 LBS.

Absorption Trench Detail

6

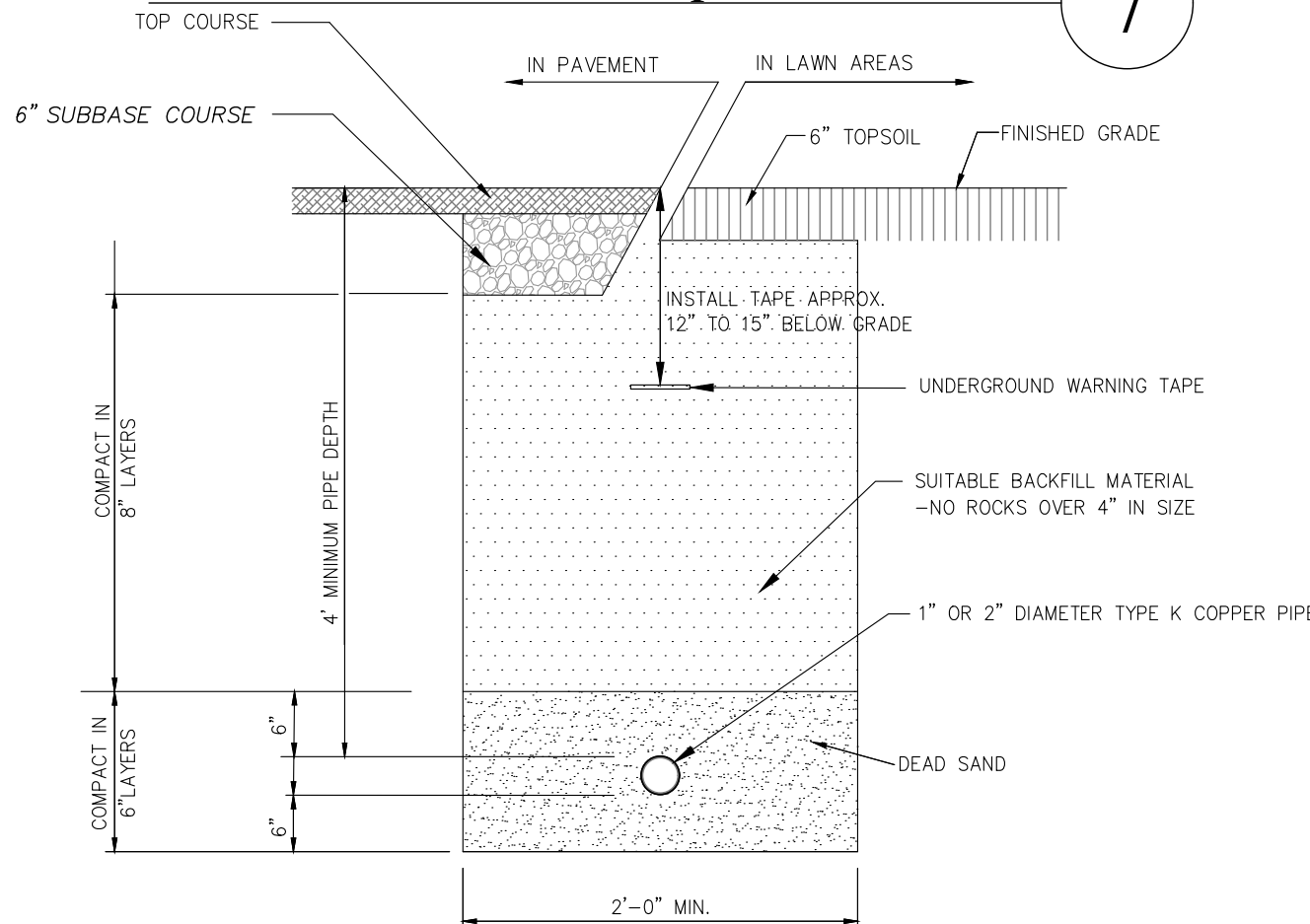


Notes:

- All gravel and crushed stone used for trench construction must be thoroughly washed prior to installation.
- Horizontal separation between centerline of trenches to be 6 feet. In no case shall there be less than four (4) feet of undisturbed earth between the trenches.
- Stone larger than 1-1/2" is not acceptable.
- 4" perforated pipe slope to be 1/32" per foot with unconnected end to be capped.
- Trenches are to be installed parallel to finished contours.
- A minimum of 5' separation distance is required from the bottom of the trench to the presence of ledge or groundwater.
- Provide end caps at the end of all PVC pipes.

Water Service Pipe Trench

7



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75 Hawkes Avenue
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SBL: 89-08-1-9

ENGINEER:
ALP ENGINEERING & LANDSCAPE ARCHITECTURE, PLLC
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Drawing Title:

Septic System Construction Details

Date: September 19, 2025

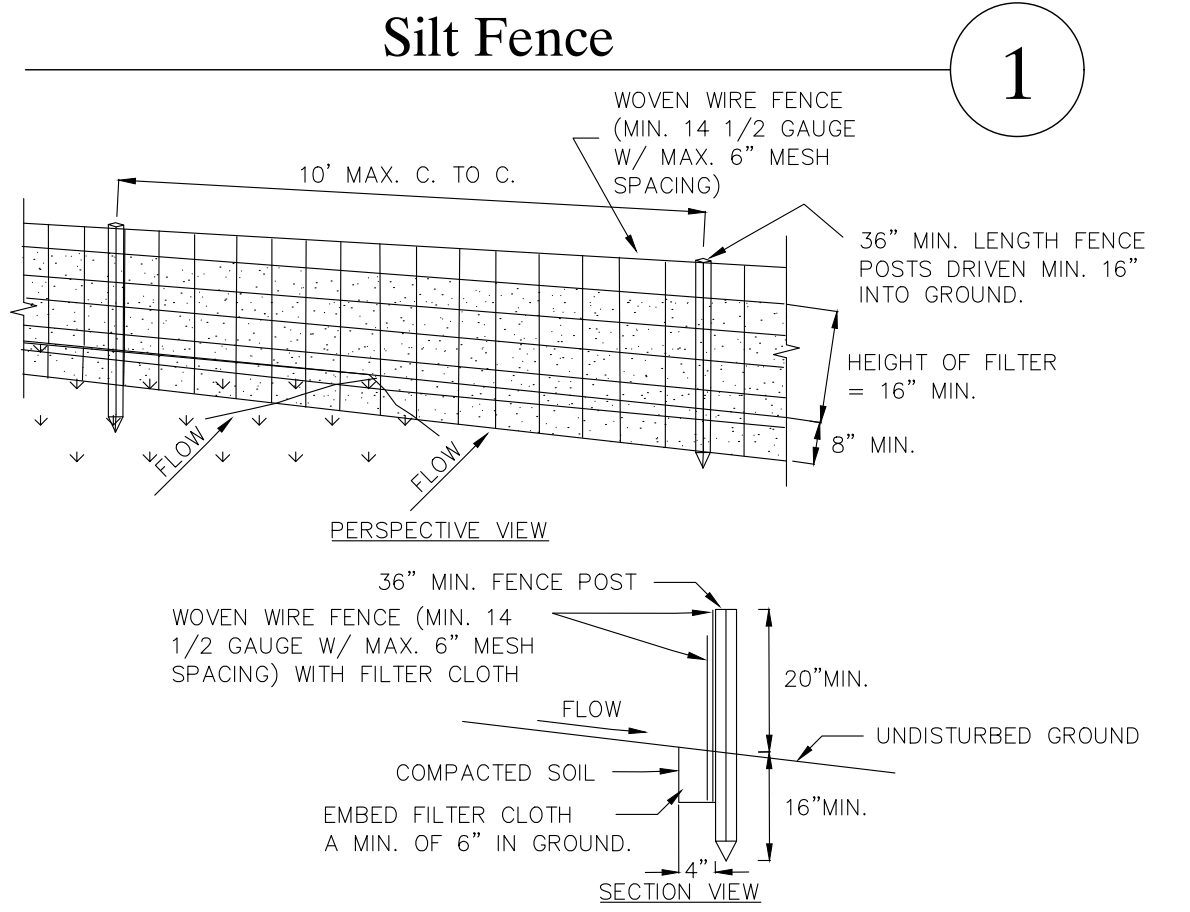
Dwn. by: alp

ID: St.Augustine Chapel_C09-19-2025.1

S-102

Call number:

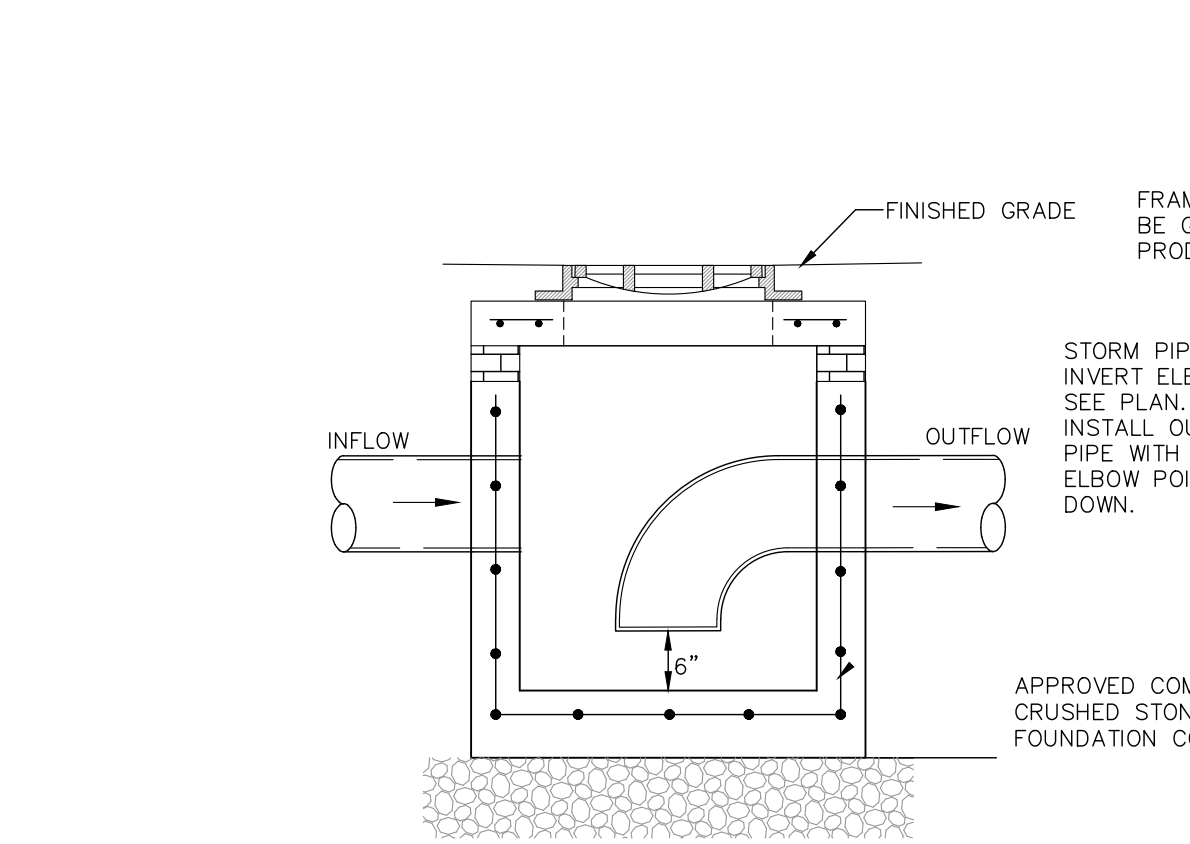
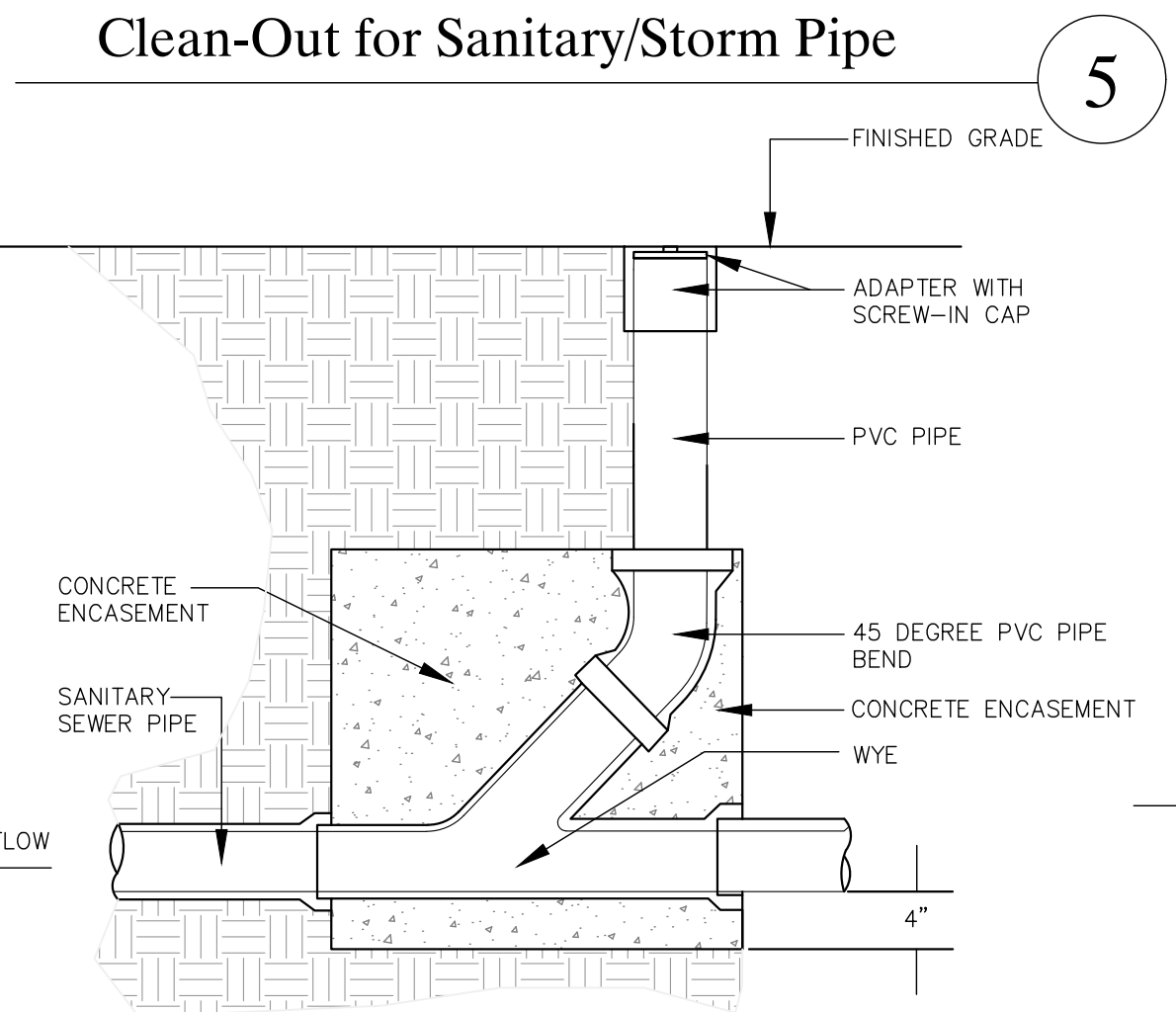
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- CONSTRUCTION SPECIFICATIONS**
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "I" OR "U" TYPE OR HARDWOOD.
 - FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
 - PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

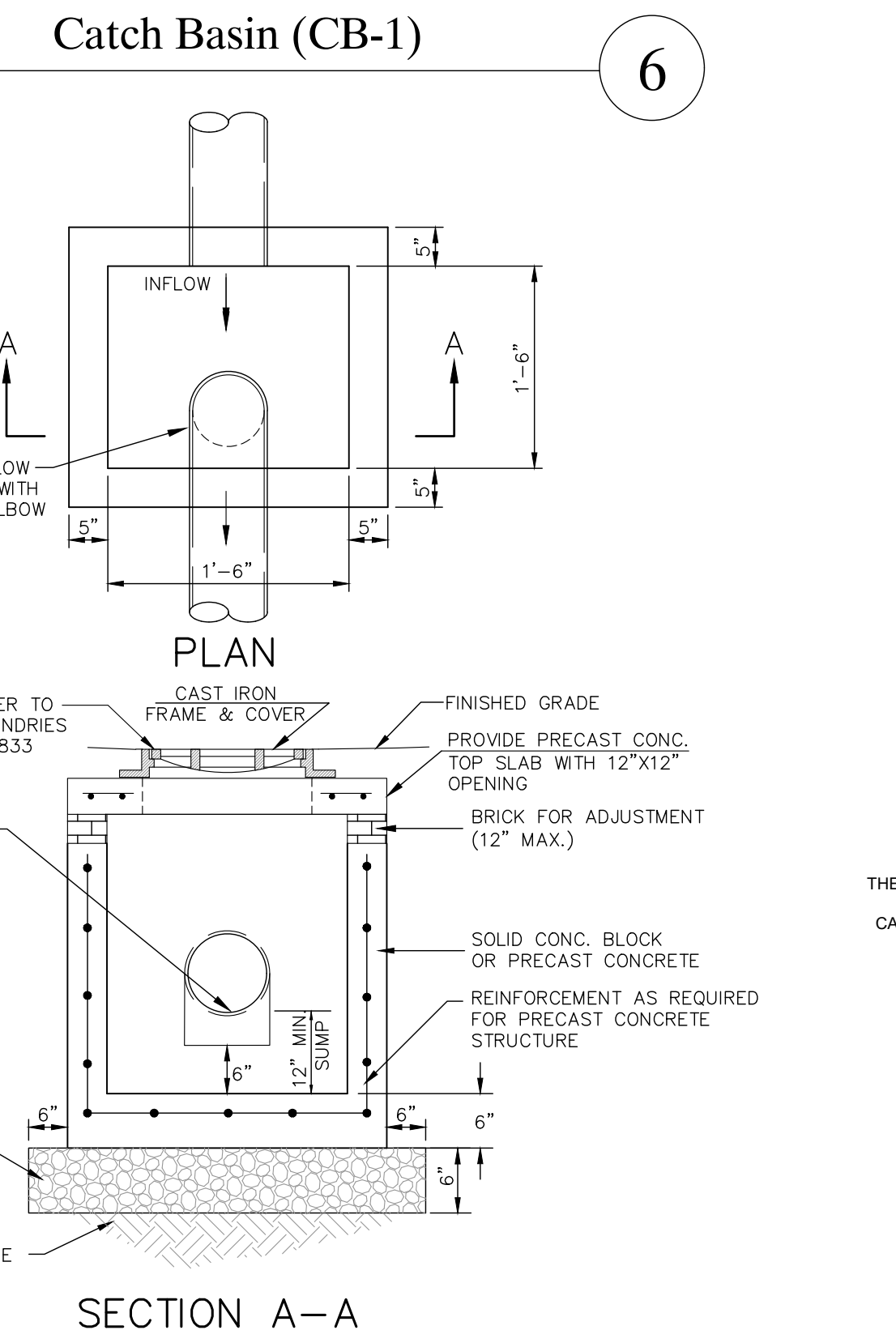
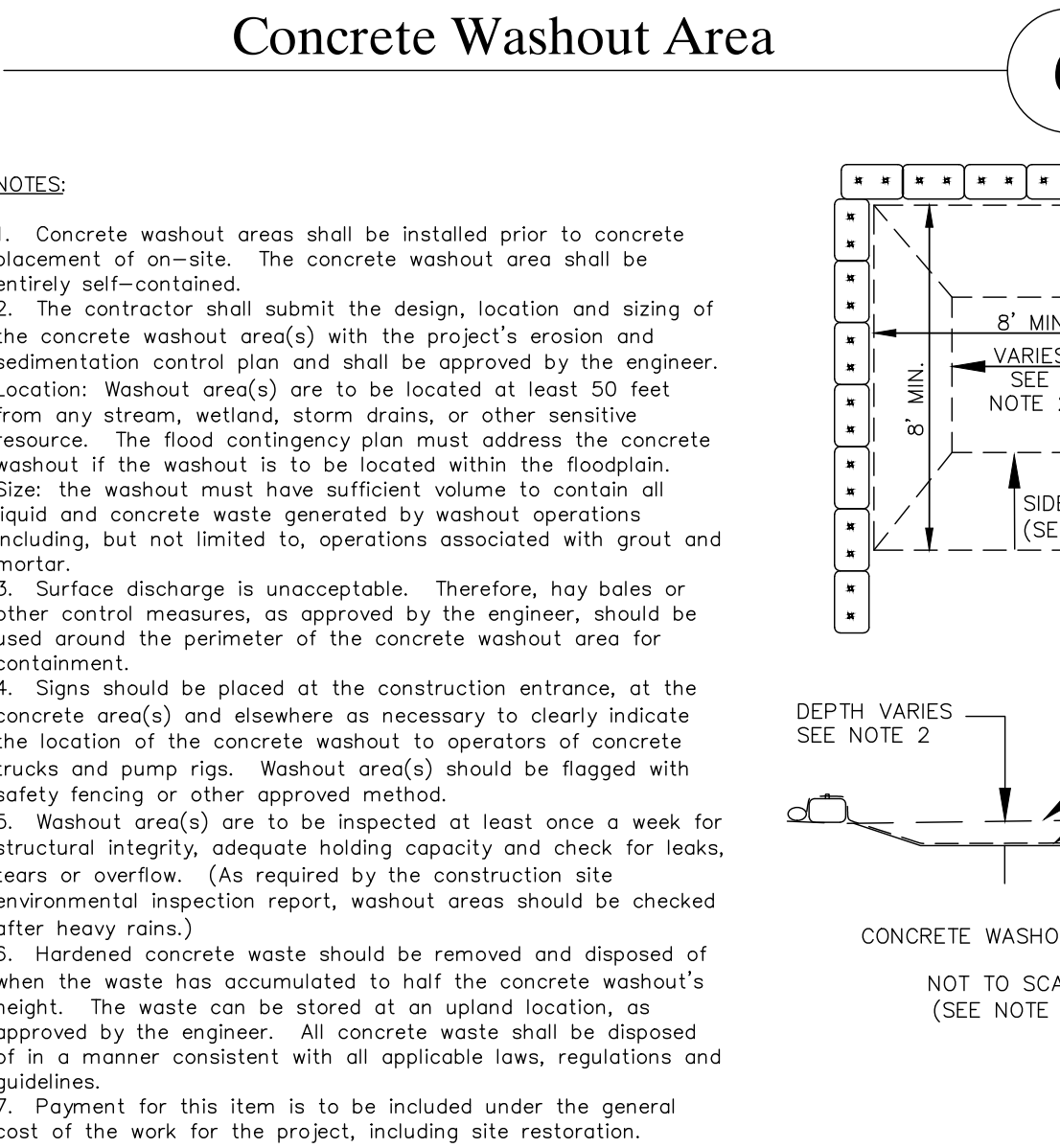
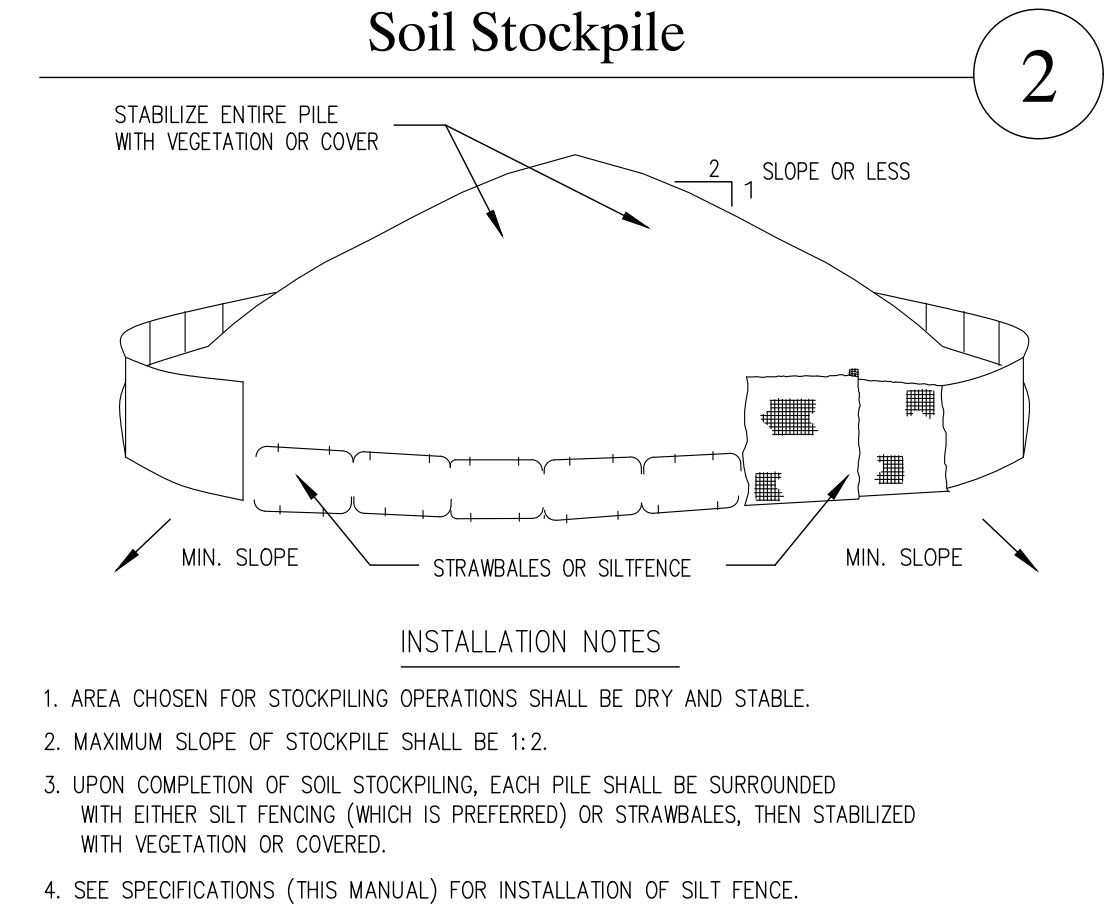
U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

SILT FENCE



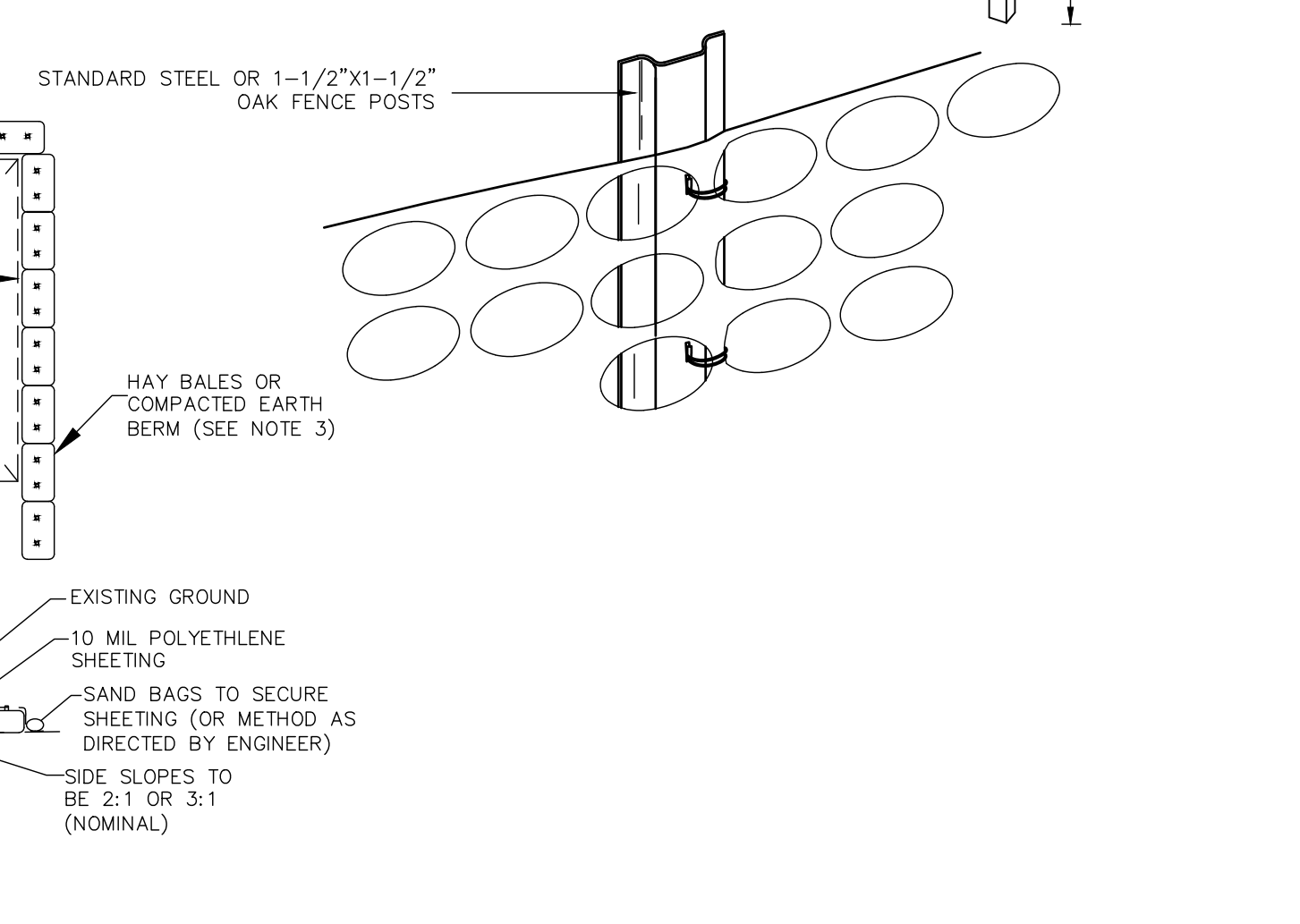
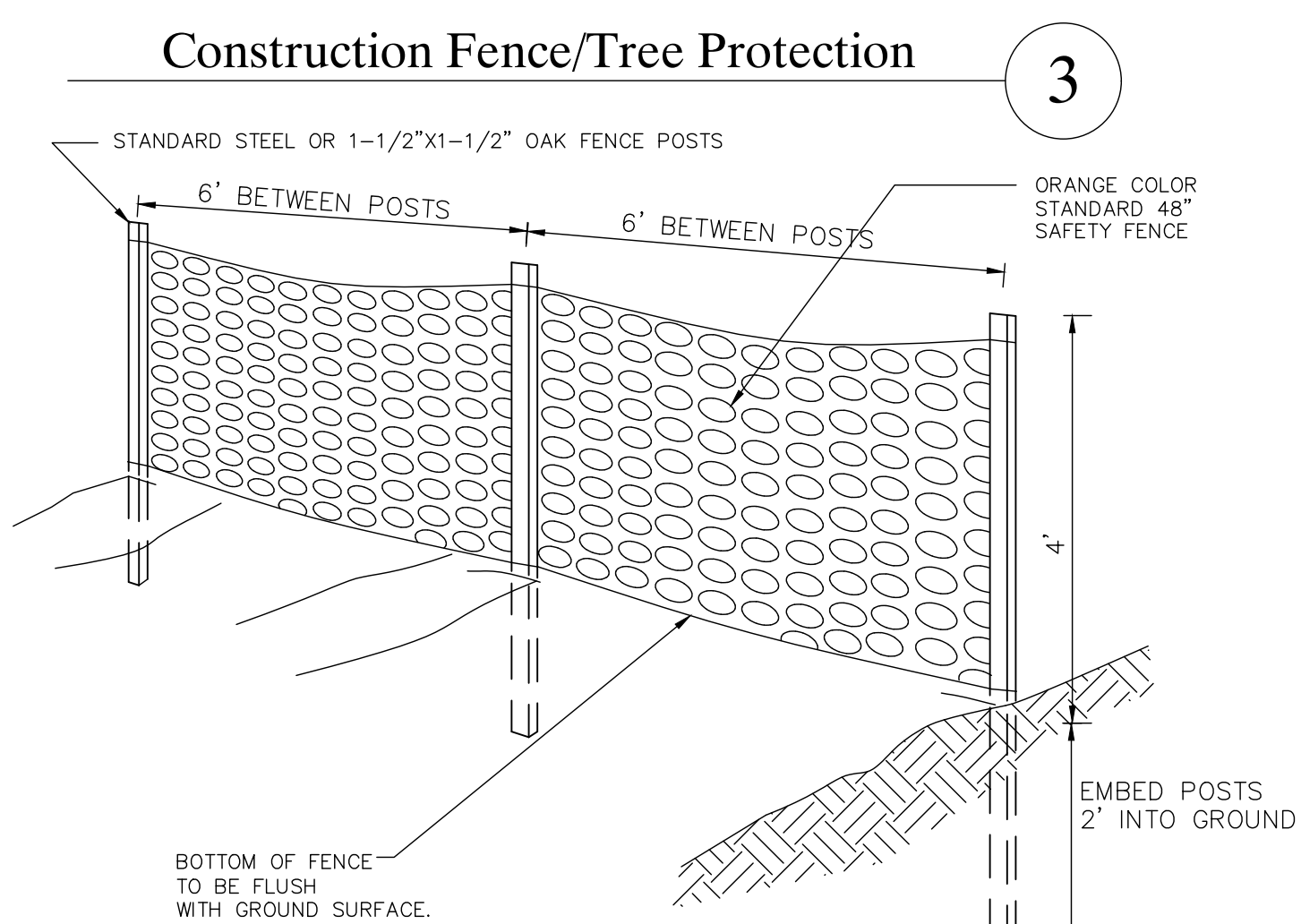
- NOTES:
- CONCRETE: 4,000 PSI @ 28 DAYS.
 - REINFORCING: AS PER ASTM A-195 6"x6" W4/W4 W.W.M.
 - CATCH BASIN CB-1 SHALL BE INSTALLED WITH THE PROPOSED ELBOW POINTING DOWN. CATCH BASIN CB-2 DOES NOT NEED TO BE INSTALLED WITH AN ELBOW POINTING DOWN. THE OUTLET PIPE IN THIS CASE SHALL BE OUT FLUSH WITH THE INSIDE OF THE STRUCTURE WALL.

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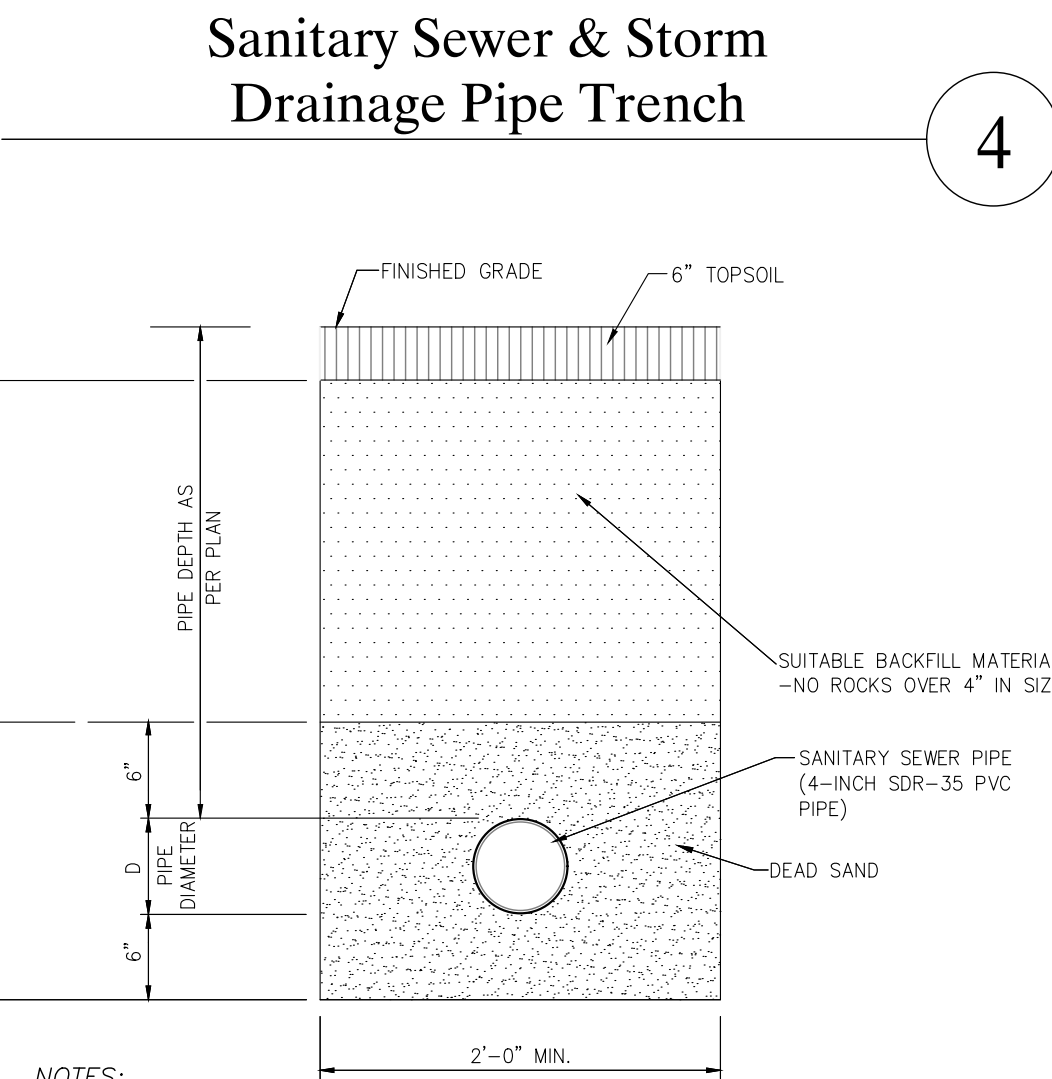
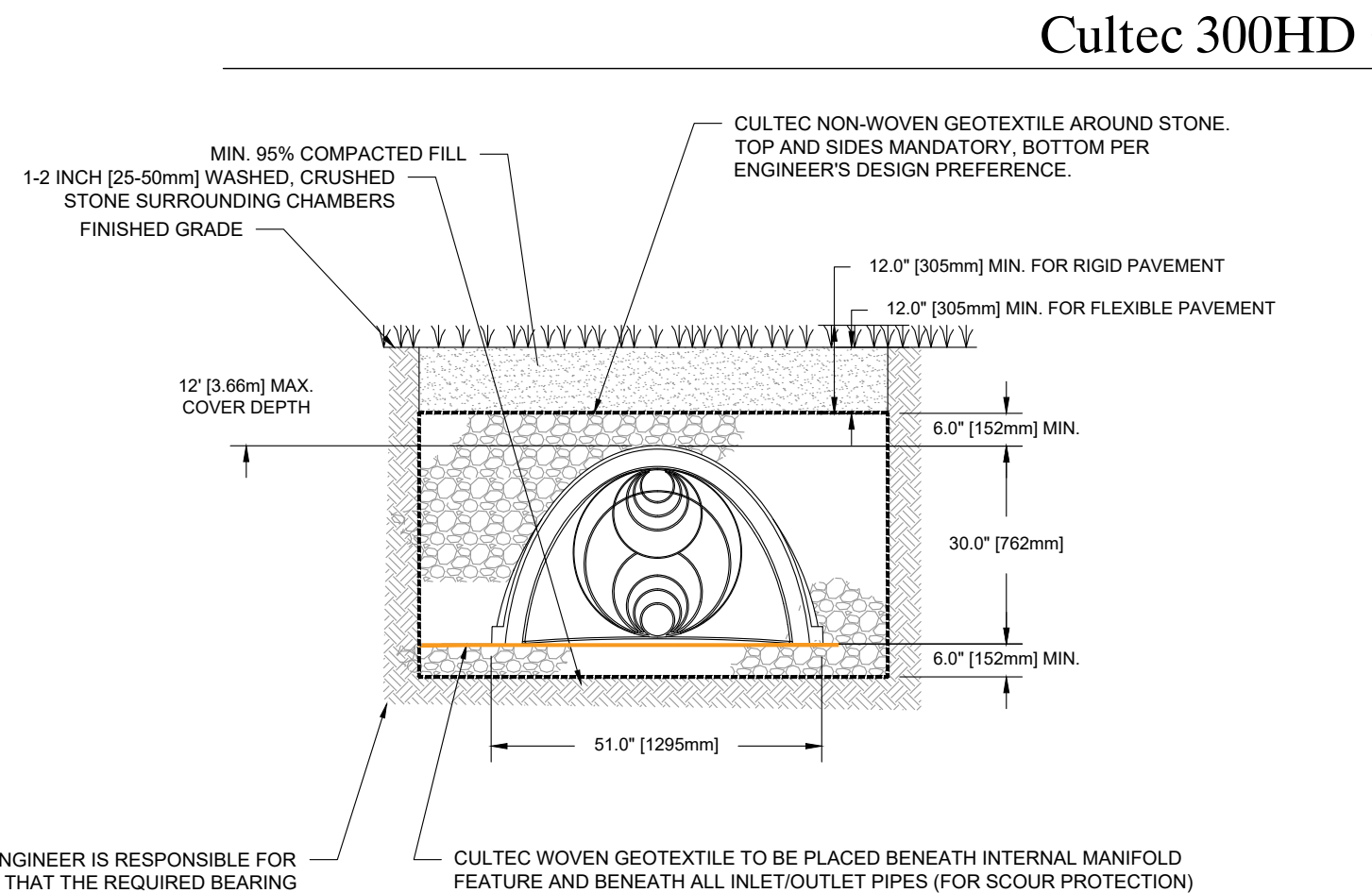
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THE DESIGN ENGINEER IS RESPONSIBLE FOR ENSURING THAT THE REQUIRED BEARING CAPACITY OF SUB-GRADE SOILS HAVE BEEN MET

- NOTES:
- THE CHAMBERS SHALL BE DESIGNED AND TESTED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". THE LOAD CONFIGURATION SHALL INCLUDE:
 - INSTANTANEOUS AASHTO DESIGN TRUCK LIVE LOAD AT MINIMUM COVER
 - MAXIMUM PERMANENT (50-YEAR) COVER LOAD
 - 1-WEEK PARKED AASHTO DESIGN TRUCK LOAD
 - THE CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
 - THE INSTALLED CHAMBER SYSTEM SHALL PROVIDE RESISTANCE TO THE LOADS AND LOAD FACTORS AS DEFINED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS SECTION 12.12, WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS. THE STRUCTURAL DESIGN OF THE CHAMBERS SHALL INCLUDE THE FOLLOWING:
 - THE CREEP MODULUS SHALL BE 50-YEAR AS SPECIFIED IN ASTM F2418
 - THE MINIMUM SAFETY FACTOR FOR LIVE LOADS SHALL BE 1.75
 - THE MINIMUM SAFETY FACTOR FOR DEAD LOADS SHALL BE 1.95



- NOTES:
- COVER OVER SANITARY SEWER PIPE SHALL BE A MINIMUM OF FOUR (4) FEET FROM FINISHED GRADE TO TOP OF PIPE.

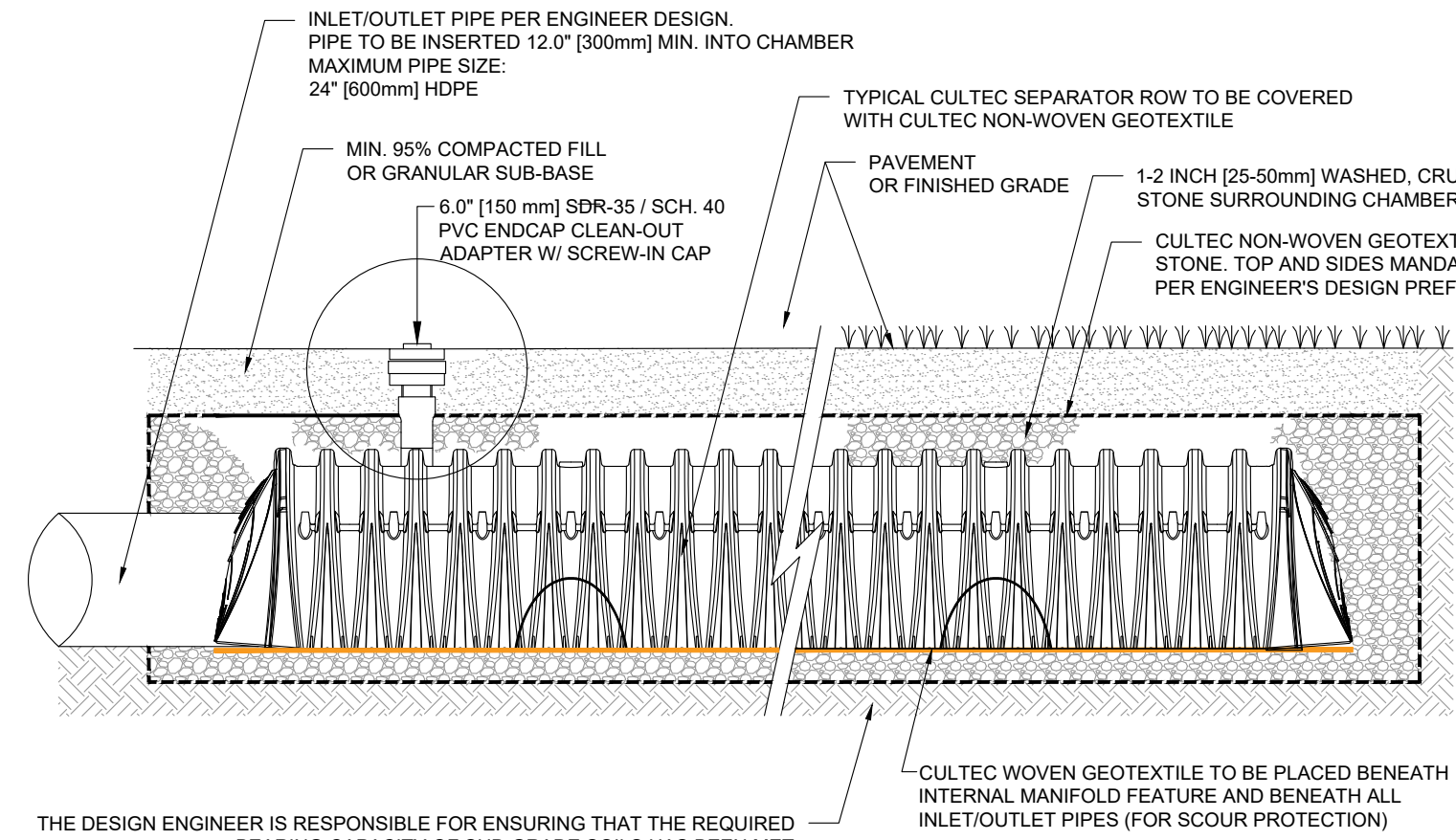
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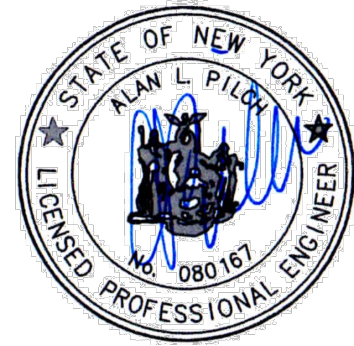
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SEAL:



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ST. AUGUSTINE CEMETERY CHAPEL

75 Hawkes Avenue
Ossining, NY 10562

SBL: 89-08-1-9

ENGINEER:
ALP ENGINEERING & LANDSCAPE ARCHITECTURE, PLLC

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Drawing Title:
**Site Work
Construction Details**

Date: September 19, 2025

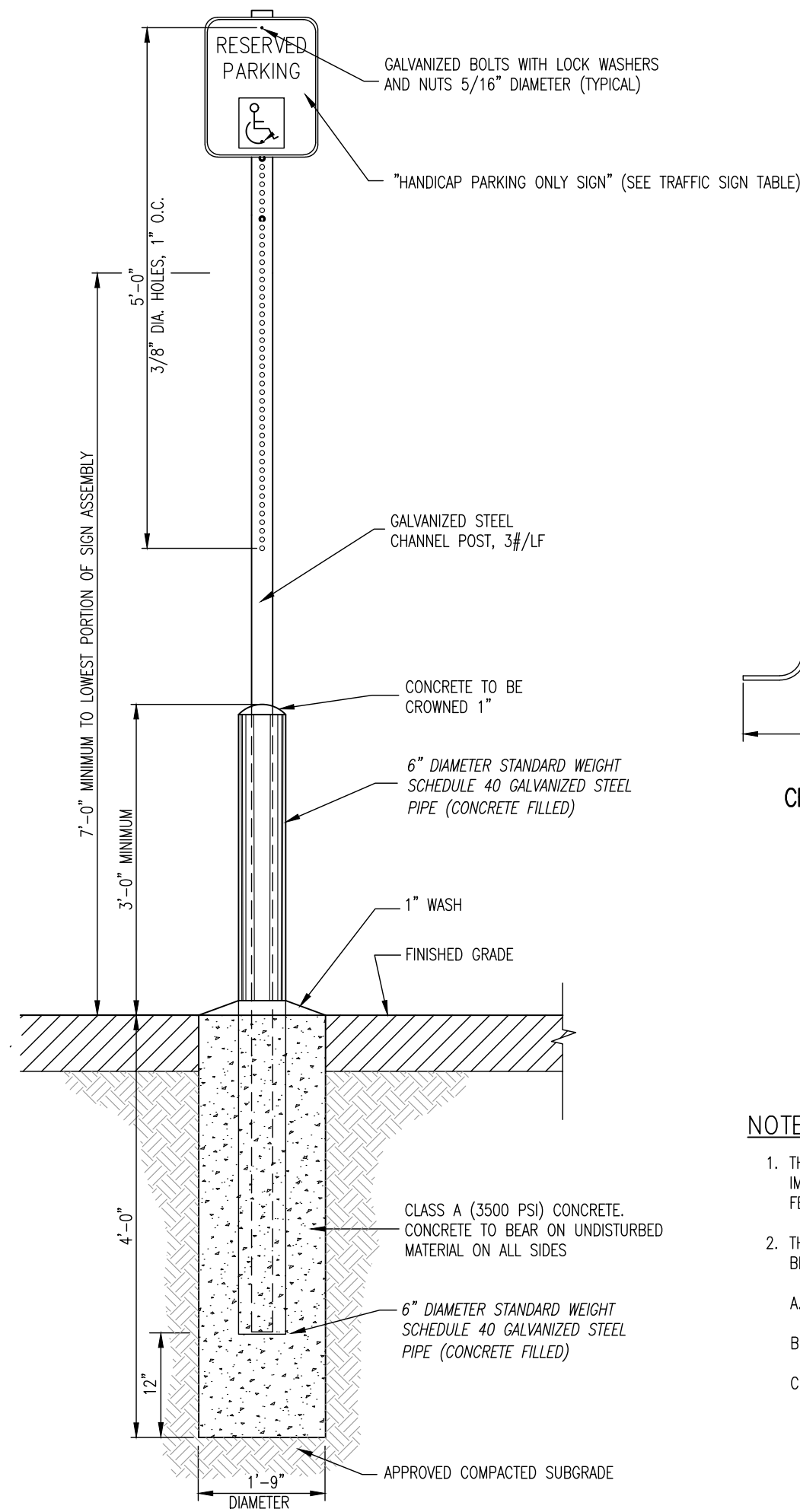
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S-111

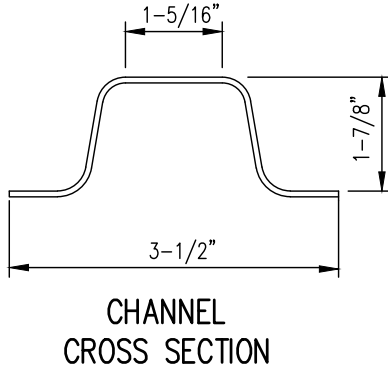
Handicap Parking Stall Sign

1



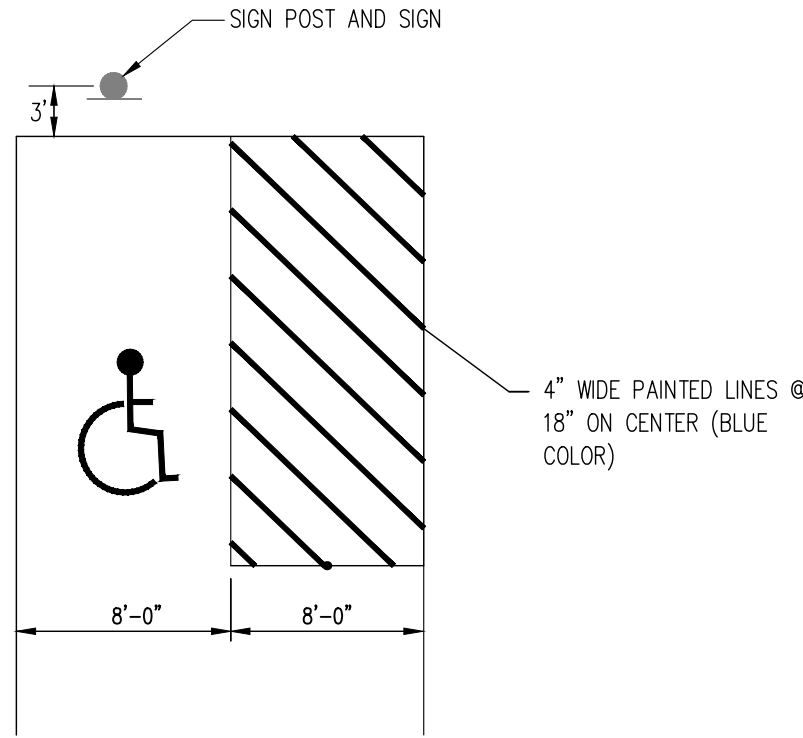
NOTES:

1. THE SIGN CHANNEL SHALL BE IMBEDDED A MINIMUM OF THREE (3) FEET INTO THE CONCRETE.
2. THE STEEL PROTECTION POST SHALL BE PAINTED BLUE AS FOLLOWS:
 - A. SOLVENT CLEAN TO REMOVE OIL, GREASE AND OTHER CONTAMINANTS.
 - B. APPLY METAL PRIMER FOR GALVANIZED SURFACES.
 - C. APPLY TWO (2) FINISH COATS OF APPROVED EXTERIOR PAINT FOR METAL SURFACES.



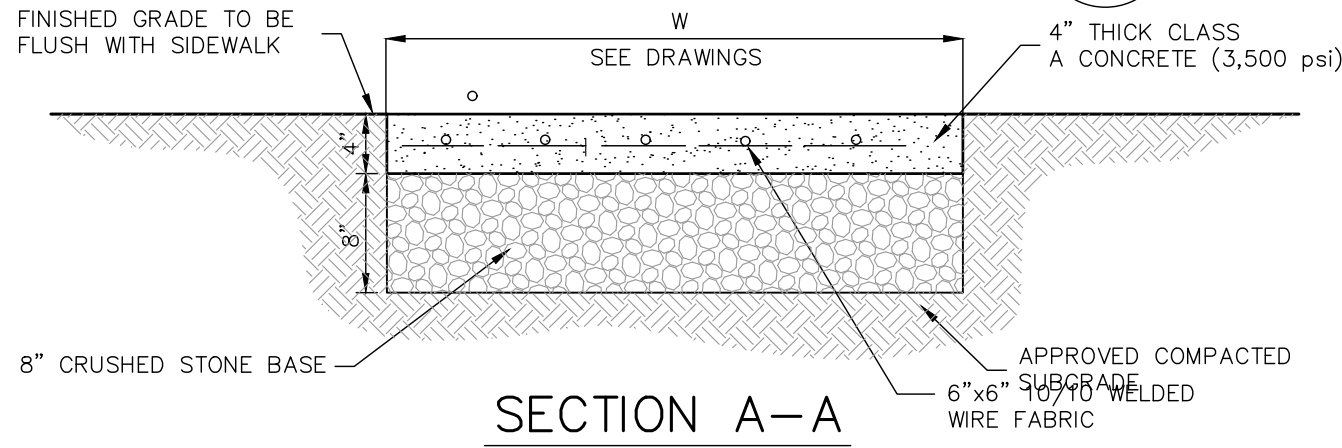
Handicap Parking Stall

2



Concrete Sidewalk / Walkway

3



NOTES:

1. MINIMUM CROSS SLOPE SHALL BE 1/8" PER FOOT, UNLESS OTHERWISE INDICATED ON DRAWINGS.
2. PROVIDE 1/4" PREMOLDED EXPANSION JOINTS AT 20' INTERVALS UNLESS OTHERWISE DIRECTED.
3. REINFORCING SHALL NOT EXTEND THROUGH CONSTRUCTION JOINTS.

OWNER AND APPLICANT:
St. Augustine Roman Catholic Church
381 North Highland Avenue
Ossining, NY 10562

CONSULTANTS:

PROJECT ARCHITECT:
Jaclyn Tyler, AIA, Nexus Creative Design
Architecture Planning & Design
117 East Main Street
Mount Kisco, NY 10549
Tel: (914) 740 - 4774

SURVEYOR:
TC Merritts Land Surveyors
394 Bedford Road
Pleasantville, NY 10570
Tel: (914) 769-8003

ISSUED:

OWNERSHIP AND USE OF DOCUMENTS

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

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SEAL:



PROJECT NAME:

ST. AUGUSTINE CEMETERY CHAPEL

75 Hawkes Avenue
Ossining, NY 10562

SBL: 89-08-1-9

ENGINEER:

**ALP ENGINEERING
& LANDSCAPE ARCHITECTURE, PLLC**

P.O. Box 843 Ridgefield, CT 06877
Direct Tel: (475) 215-5343 Cell (203) 710-0587

Drawing Title:

**Site Work
Construction Details**

Date: September 19, 2025

Dwn. by: alp

ID: St.Augustine Chapel_C09-19-2025.1

S-112

Call masses:

Alan L. Pilon
ALP Engineering & Landscape Architecture, PLLC
P.O. Box 843, Ridgefield, CT 06877
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