

# TISDALE DRIVE



Date issued:

4-28-24



89 MASSACHUSETTS AVE.  
ARLINGTON, MA 02474

P: 781.648.6600  
F: 781.648.6601

www.winslowarchitects.com

Owner/Developer:

CorMc, LLC

10 Springdale Ave  
Dover, MA 02030

Project:

TISDALE DRIVE

Drawing:

EXISTING  
CONDITIONS  
PLAN

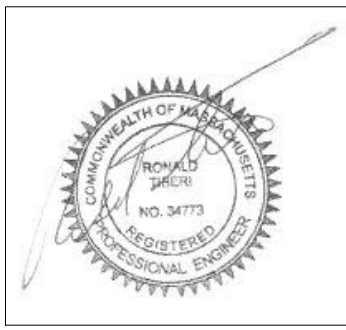
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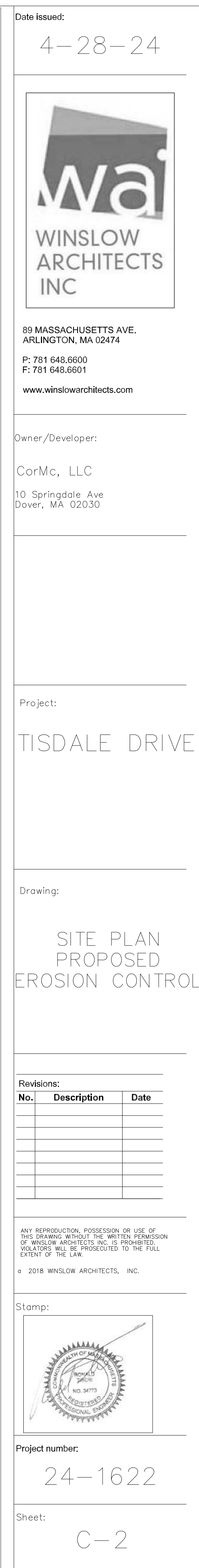


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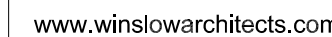
24-1622

Sheet:

C-1







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TISDALE DRIVE

## EROSION CONTROL DETAILS

[illegible]

24-1622

C-3



2. INLET CONTROL DEVICE SHALL BE INSTALLED IN ALL CATCH BASINS PRIOR TO AND DURING CONSTRUCTION. THESE DEVICES SHALL REMAIN IN PLACE UNTIL CONSTRUCTION FOR ROADWAY AND BUILDINGS HAS BEEN COMPLETED AND FINAL STABILIZATION HAS BEEN PROVIDED WITH LOAM AND SEED.

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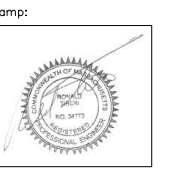
Owner/Developer:  
  
CorMc, LLC  
10 Springdale Ave  
Dover, MA 02030

Project:  
  
TISDALE DRIVE

Drawing:  
  
SITE PLAN  
GRADING &  
DRAINAGE

| Revisions: |             |      |
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Project number:  
24-1622

Sheet:  
C-4

| LEGEND |                       |
|--------|-----------------------|
|        | PROP LINE             |
|        | STONE WALL            |
|        | EROSION CONTROL       |
|        | VERTICAL GRANITE CURB |
|        | WATER SERVICE         |
|        | SOIL TESTING LOCATION |
|        | EXISTING CONTOUR      |
|        | PROPOSED GRADING      |
|        | PROPOSED SPOT ELEV.   |
|        | EXISTING TREE         |





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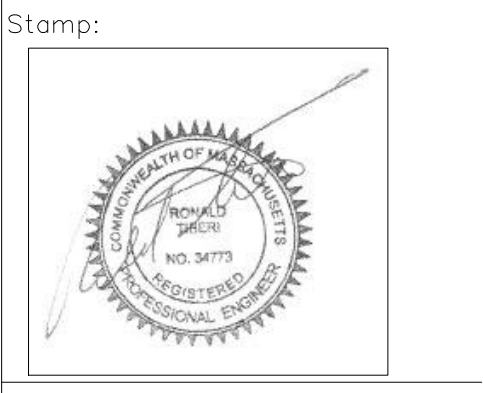
Project:  
TISDALE DRIVE

Drawing:  
LAYOUT PLAN  
& PROPOSED  
UTILITIES

Revisions:

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Project number:  
24-1622

Sheet:  
C-4A

TISDALE DRIVE



| LEGEND |                       |
|--------|-----------------------|
|        | PROP LINE             |
|        | STONE WALL            |
|        | EROSION CONTROL       |
|        | VERTICAL GRANITE CURB |
|        | WATER SERVICE         |
|        | SOIL TESTING LOCATION |
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|        | PROPOSED GRADING      |
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Project:

TISDALE DRIVE

Drawing:

SITE PLAN  
PROPOSED  
PRESBY SYSTEM

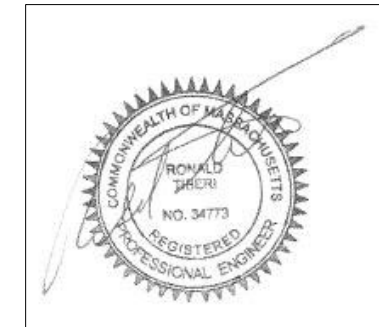
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C-5



# TISDALE DRIVE



| LEGEND |                       |
|--------|-----------------------|
|        | PROP LINE             |
|        | STONE WALL            |
|        | EROSION CONTROL       |
|        | VERTICAL GRANITE CURB |
|        | WATER SERVICE         |
|        | SOIL TESTING LOCATION |
|        | EXISTING CONTOUR      |
|        | PROPOSED GRADING      |
|        | PROPOSED SPOT ELEV.   |
|        | EXISTING TREE         |

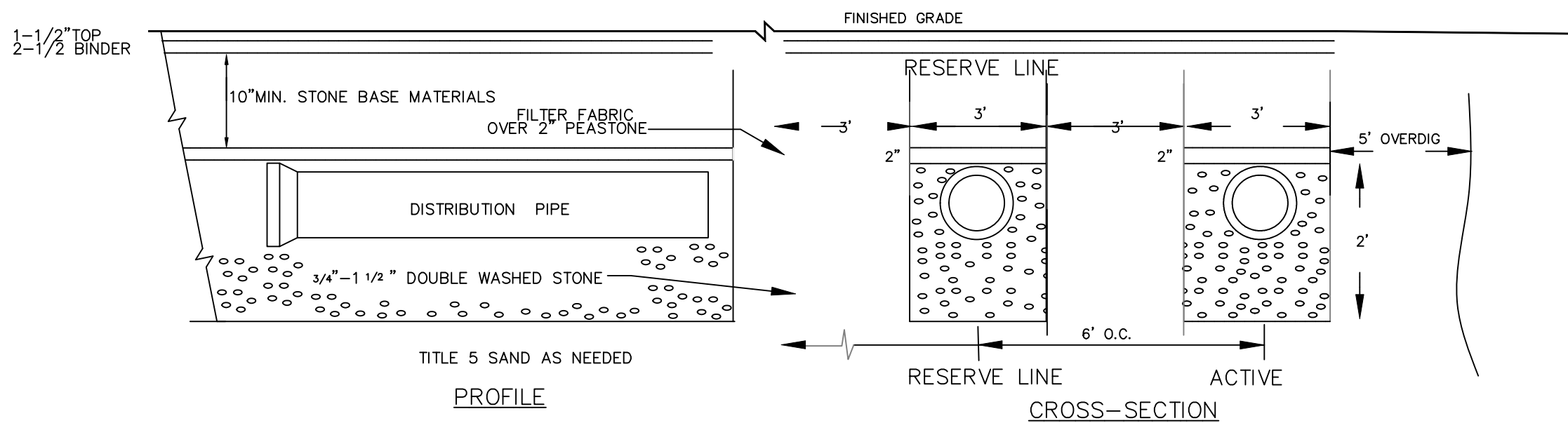
## STANDARD LEACHING FACILITY DESIGN CRITERIA

|                   |                       |
|-------------------|-----------------------|
| TYPE OF BUILDINGS | MULTI FAMILY DWELLING |
| # OF BEDROOMS     | 80                    |
|                   | 8800 GPD              |

PERC. DESIGN RATE  $\leq 2$  MIN./INCH  
MIN. DAILY FLOW  
PRESSURE SYSTEM  
EFFLUENT LOADING RATE (GPD/SF) = 0.63  
SOIL CLASS II

REQUIRED AREA = 8800 GPD / 0.63GPD/SF=13968sf

CALCULATION:  
Stone Trench Req'd = 13968 SF / 7 SF/LF = 1995LF  
Stone Trenches = 20x100LF / 7 SF/LF = 14000SF Provided



SCHEMATIC STANDARD LAYOUT SAS FOR AREA DESIGNATION  
N.T.S

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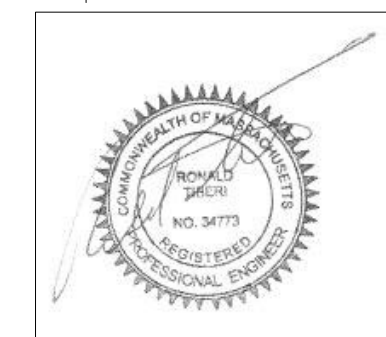
## SITE PLAN PROPOSED T5 SEPTIC

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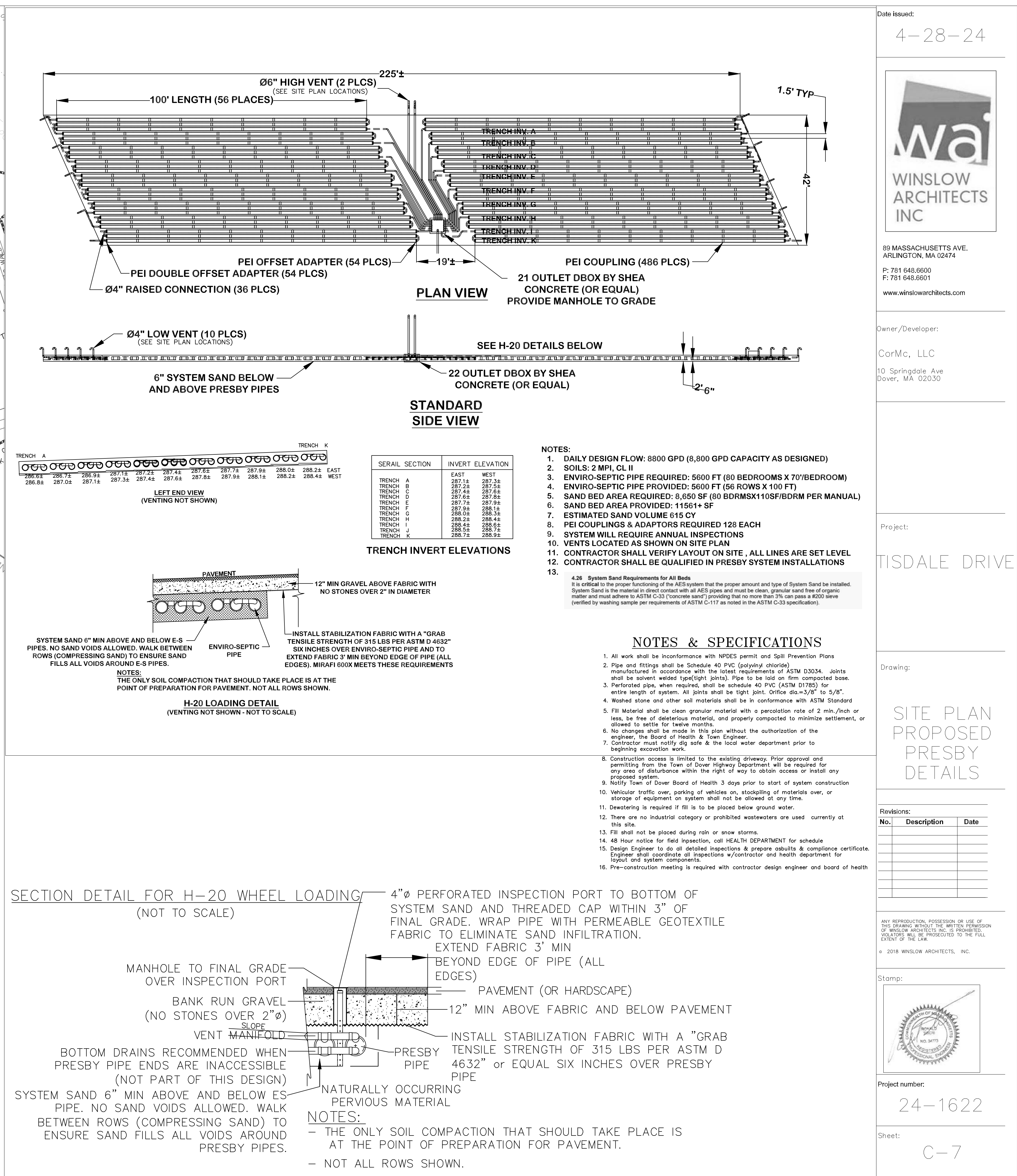
Project number:

24-1622

Sheet:

C-6







4-28-24

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TISDALE DRIVE

## SEPTIC DETAILS

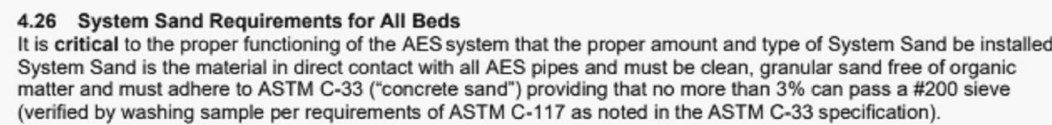
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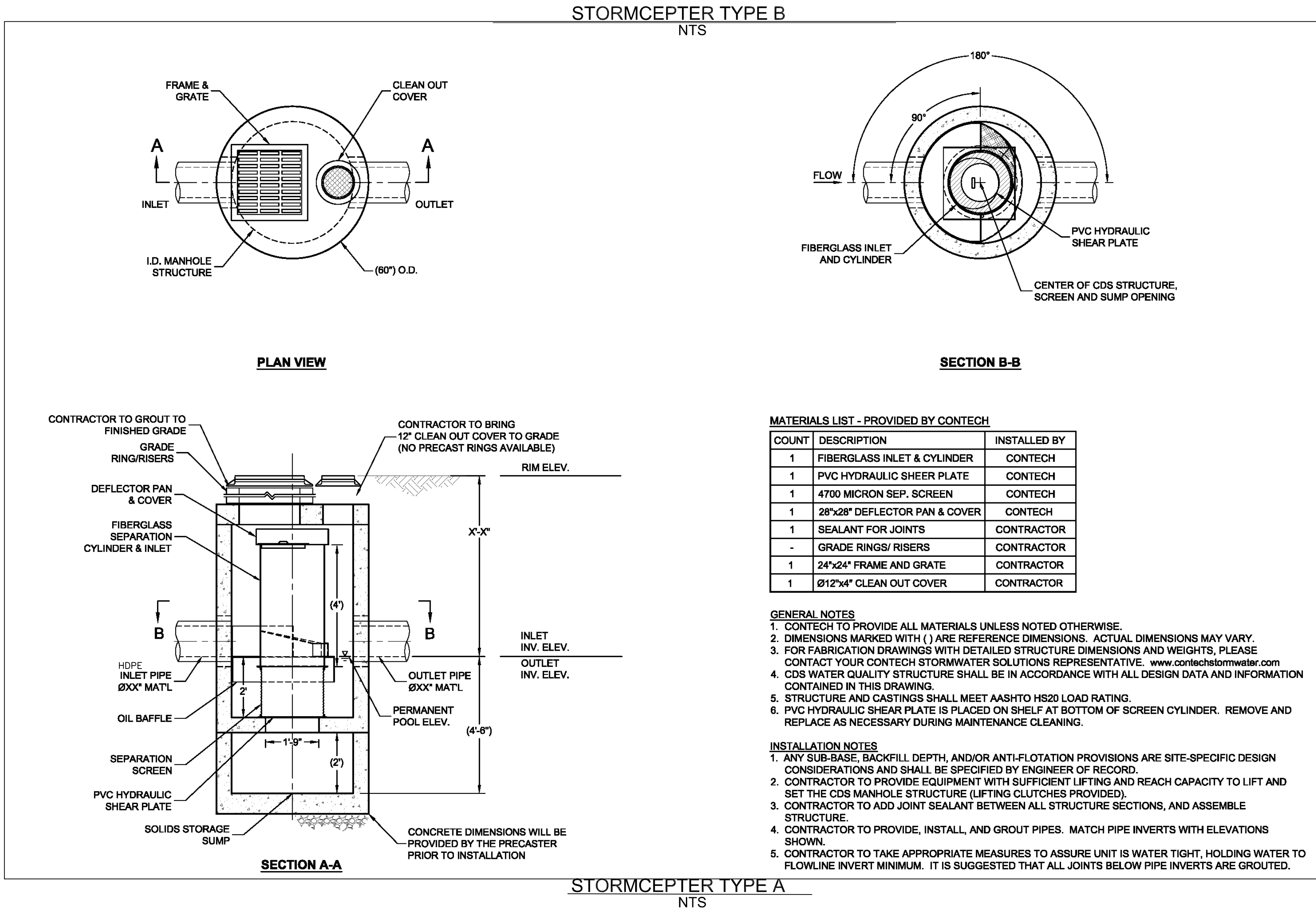
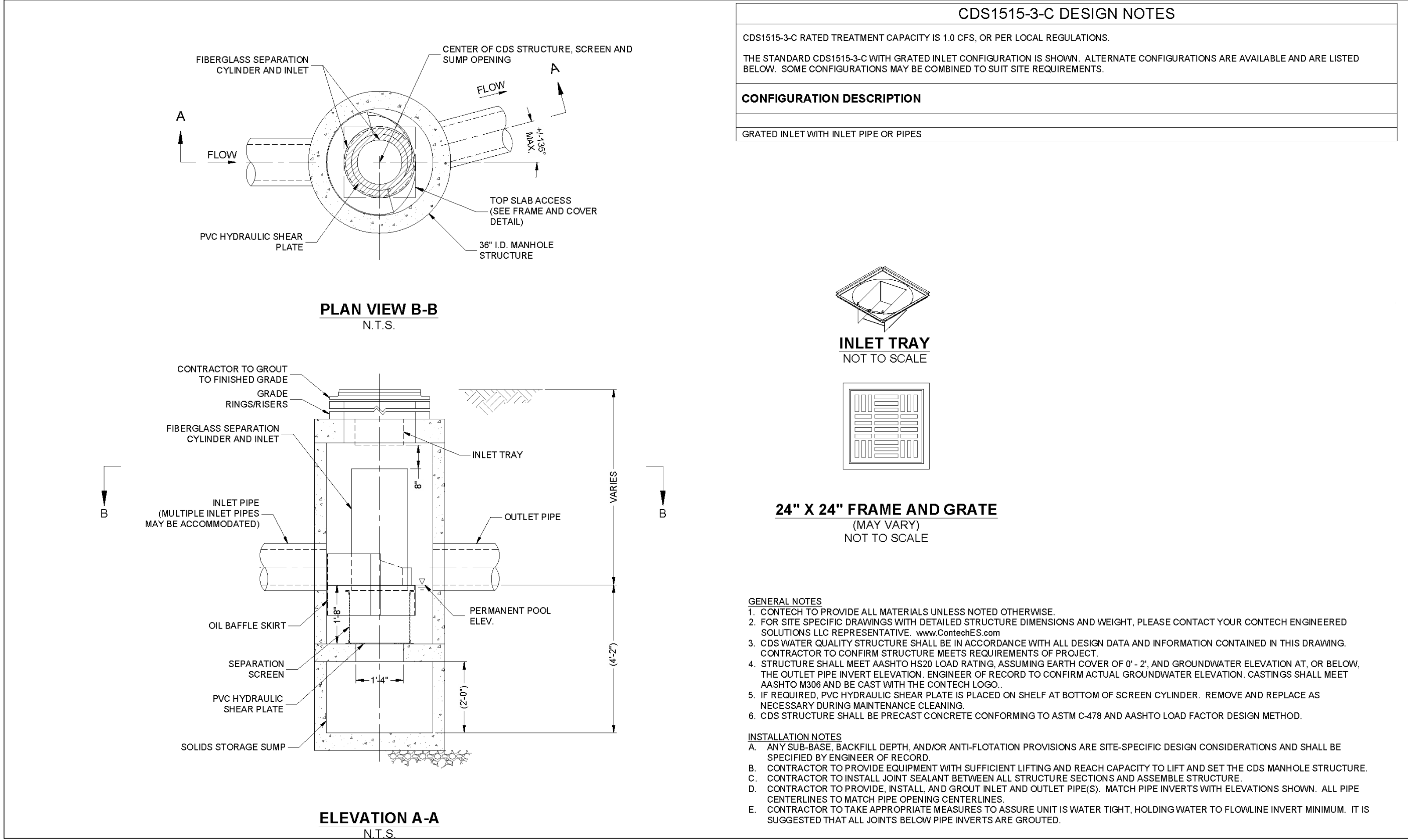
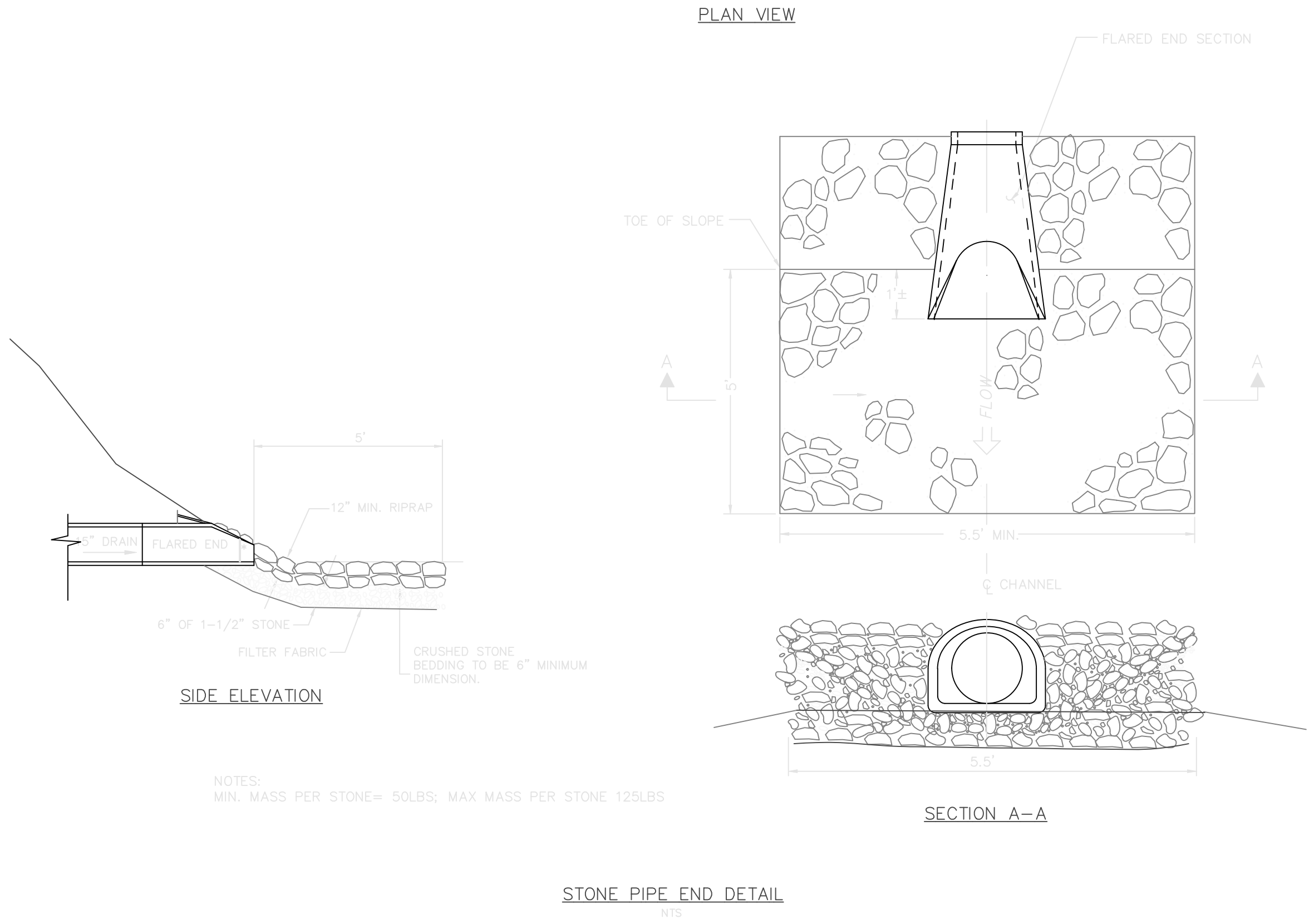
24-1622

C-8

- ① REMOVE TO UNTIL C2 LAYER IS EXPOSED OR ALL UNSUITABLE MATERIAL IS REMOVED AND REPLACE WITH TITLE V SAND (ASTM C-33 EQUIV.) 5- FEET ALL AROUND TRENCHES



SOIL EVALUATORS CERTIFICATIONS ON FILE W/BOH



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Drawing:

DRAINAGE  
DETAILS

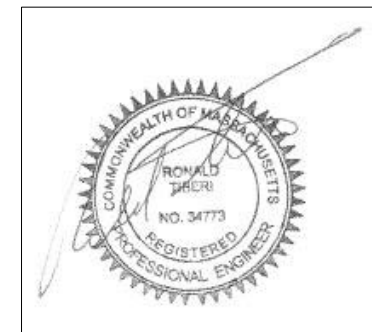
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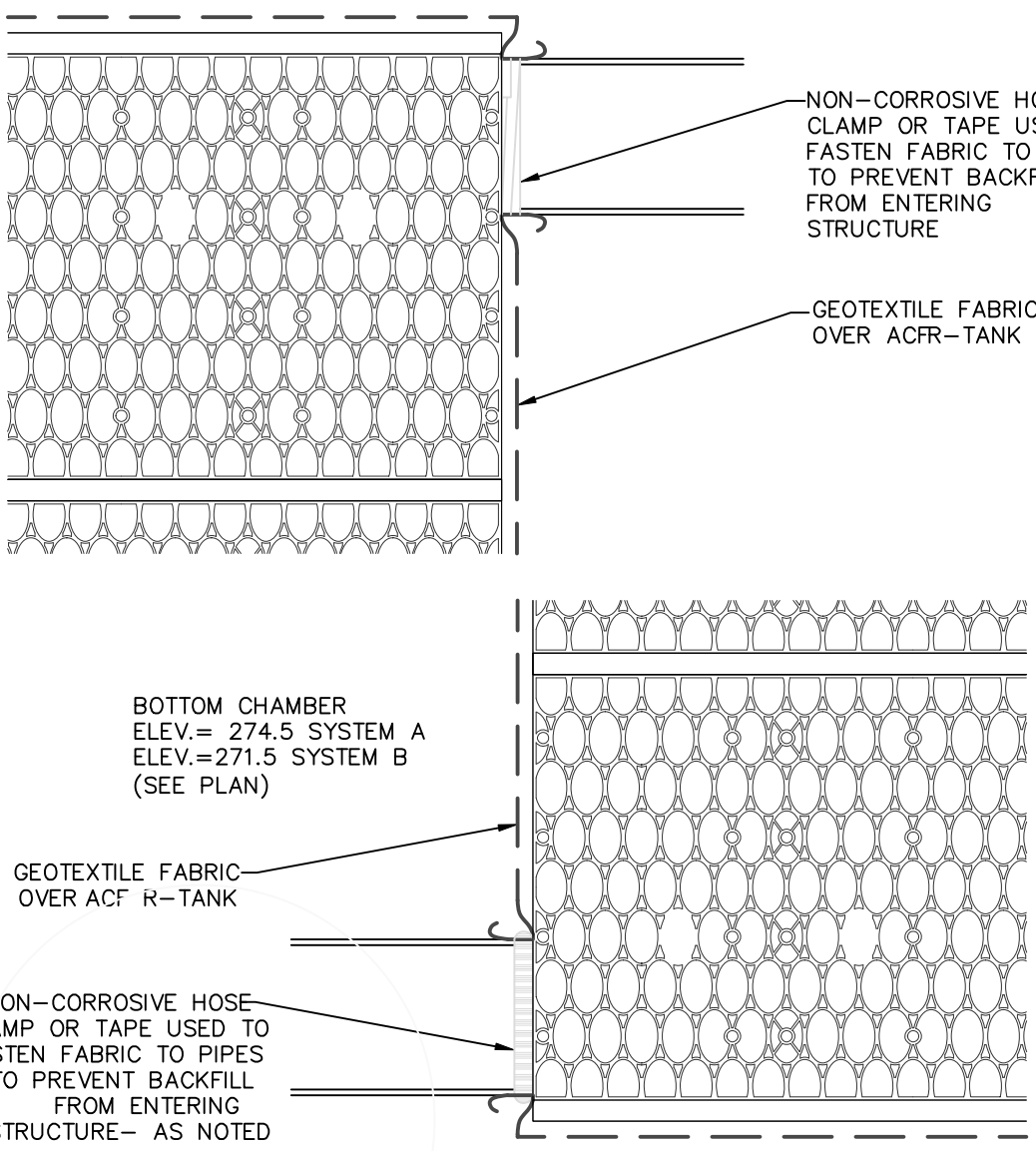
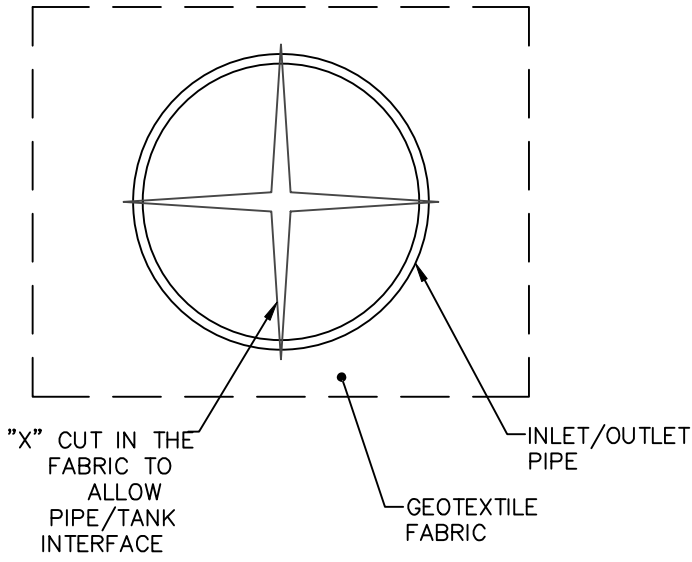
24-1622

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C-9



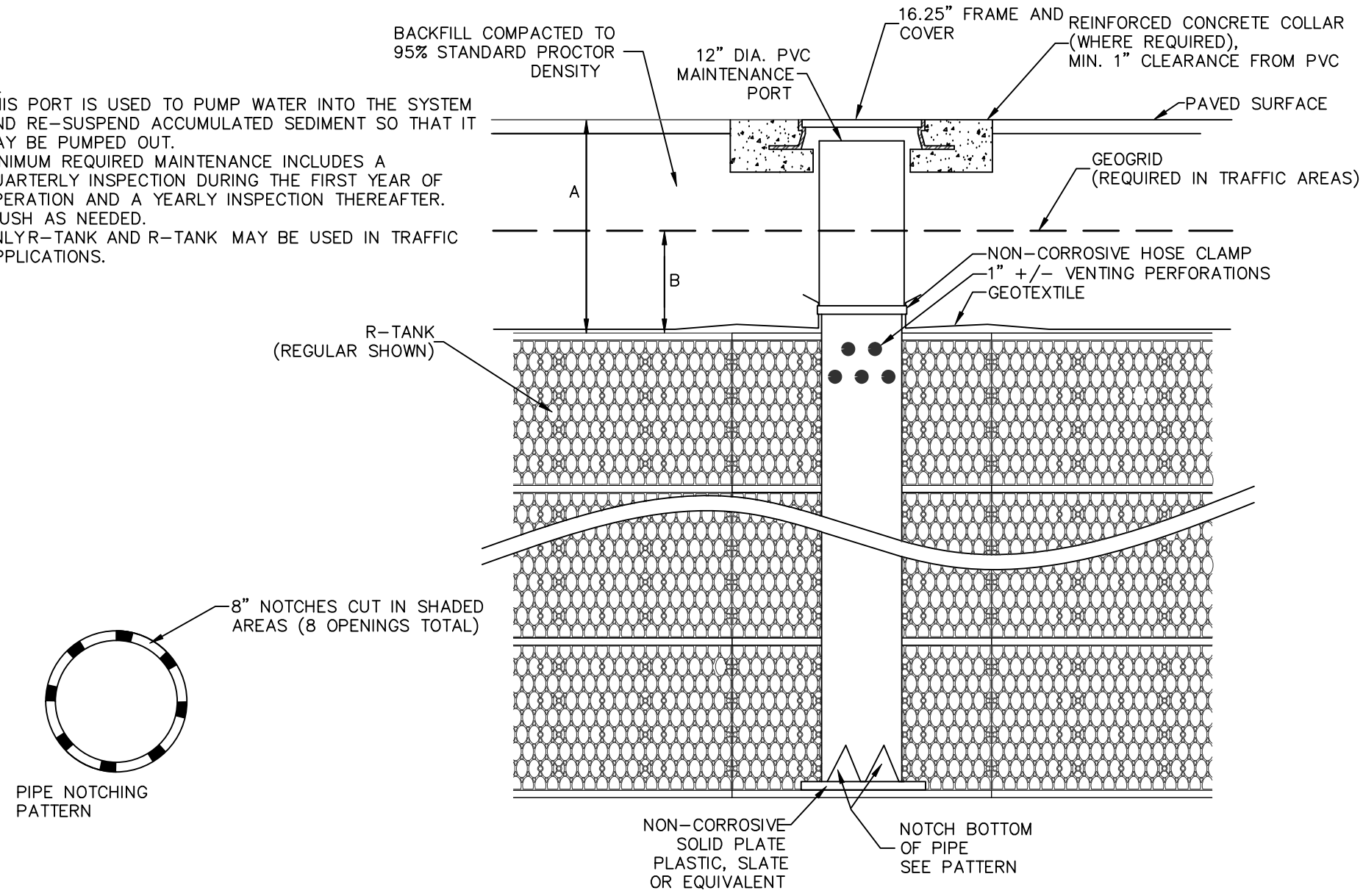
END VIEW OF PIPE/FABRIC CONNECTION. CUT AN "X" IN THE FABRIC SLIGHTLY LARGER THAN PIPE. PULL THE FABRIC AROUND THE PIPE TO CREATE THE "BOOT" AND THEN SECURE WITH A HOSE-CLAMP.



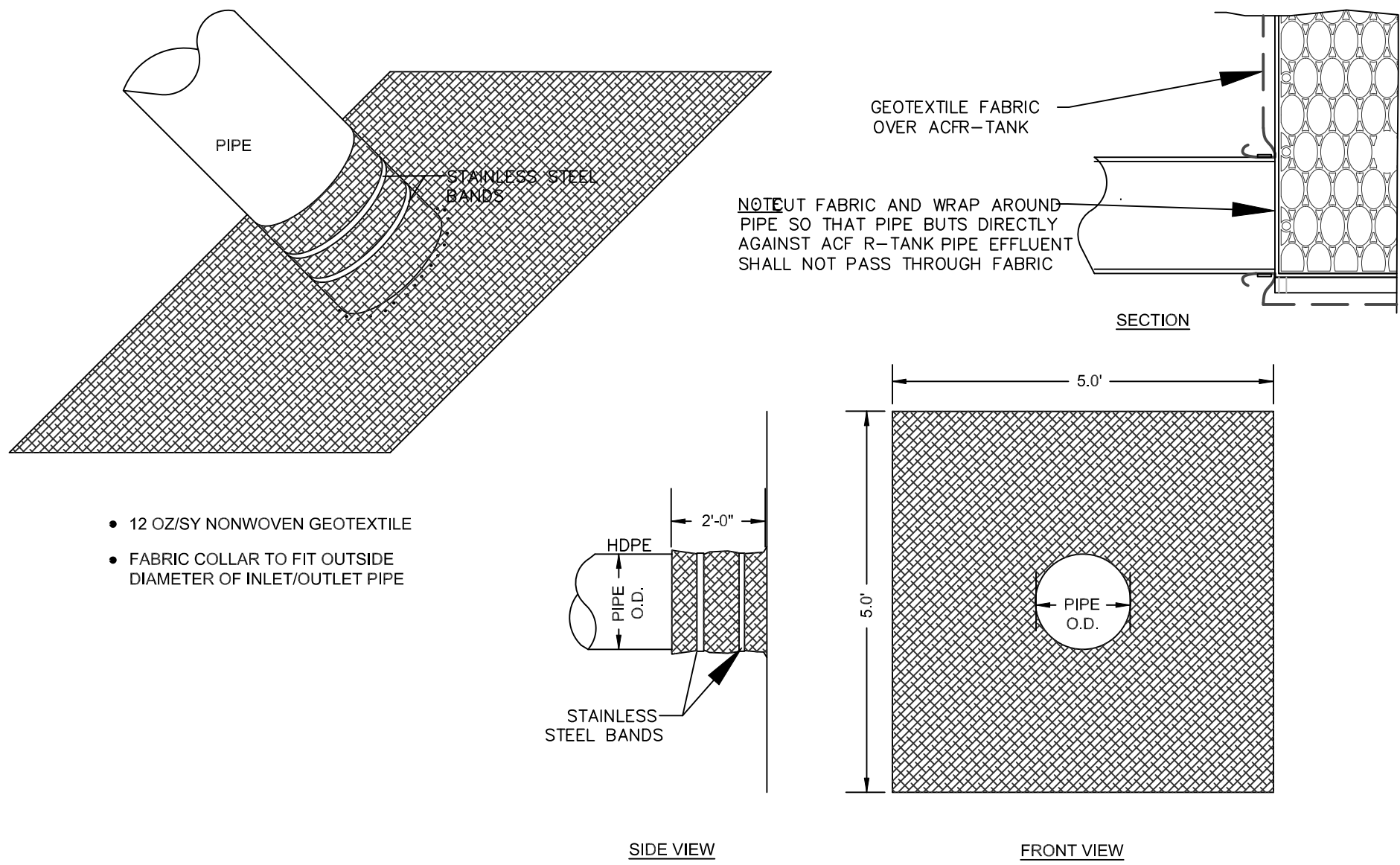
R-TANK<sup>HD</sup> TYPICAL TANK INLET/OUTLET DETAIL  
NTS

NOTES

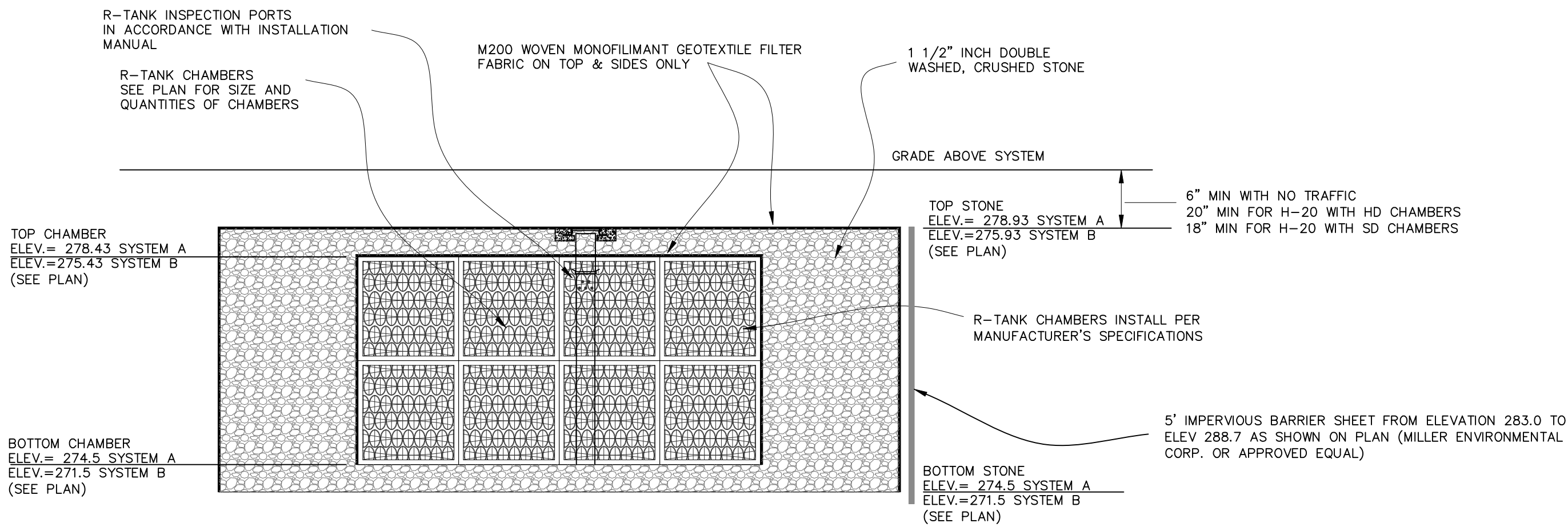
- THIS PORT IS USED TO PUMP WATER INTO THE SYSTEM AND RE-SUSPEND ACCUMULATED SEDIMENT SO THAT IT MAY BE PUMPED OUT.
- MINIMUM REQUIRED MAINTENANCE INCLUDES A QUARTERLY INSPECTION DURING THE FIRST YEAR OF OPERATION AND A YEARLY INSPECTION THEREAFTER, FLUSH AS NEEDED.
- ONLY R-TANK AND R-TANK MAY BE USED IN TRAFFIC APPLICATIONS.



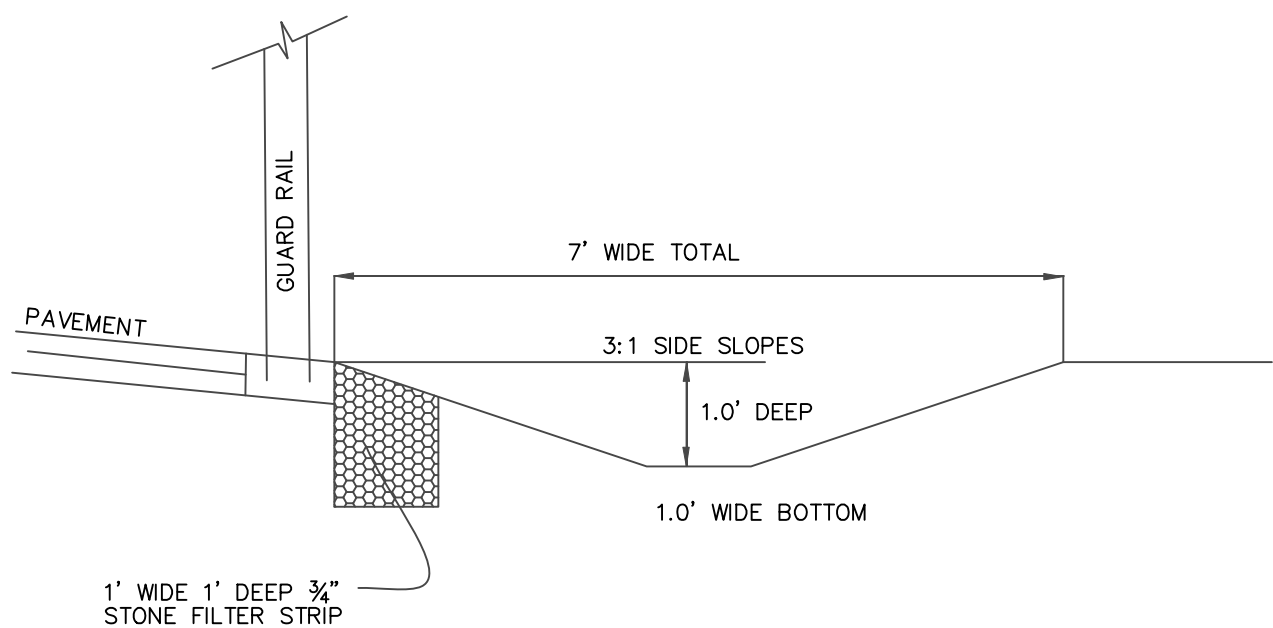
MAINTENANCE PORT  
FOR R-TANK<sup>LD</sup>, R-TANK<sup>HD</sup>, AND R-TANK<sup>SD</sup>  
NTS



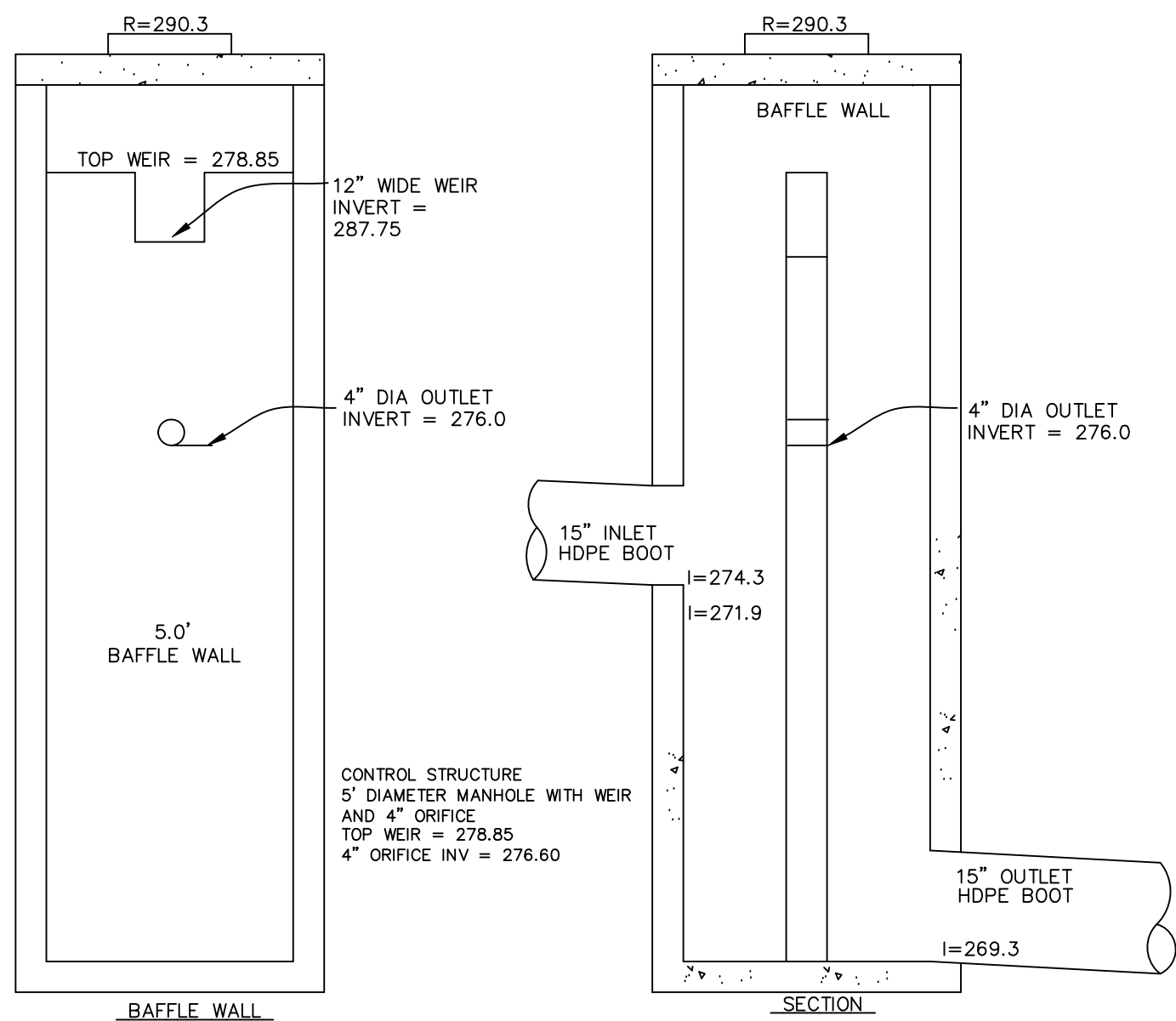
FABRIC PIPE BOOT FOR R-TANK<sup>HD</sup>  
NTS



R-TANK SD TYPICAL TANK DETAIL  
NTS



GRASS CHANNEL SECTION  
NTS



CONTROL STRUCTURE  
NTS

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Drawing:

DRAINAGE  
DETAILS

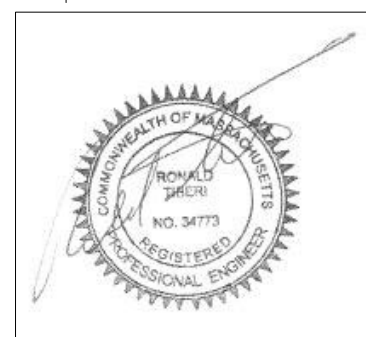
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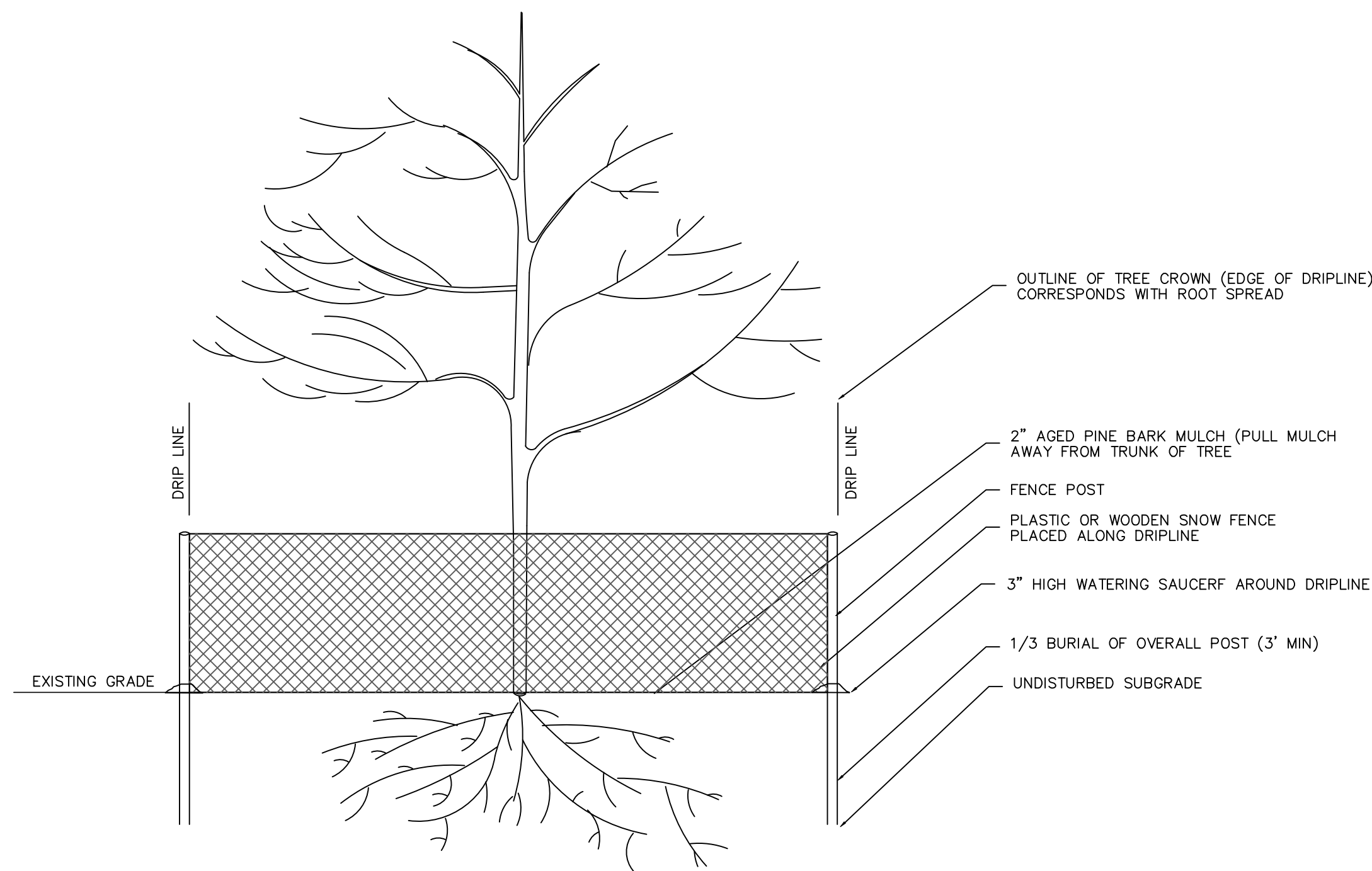


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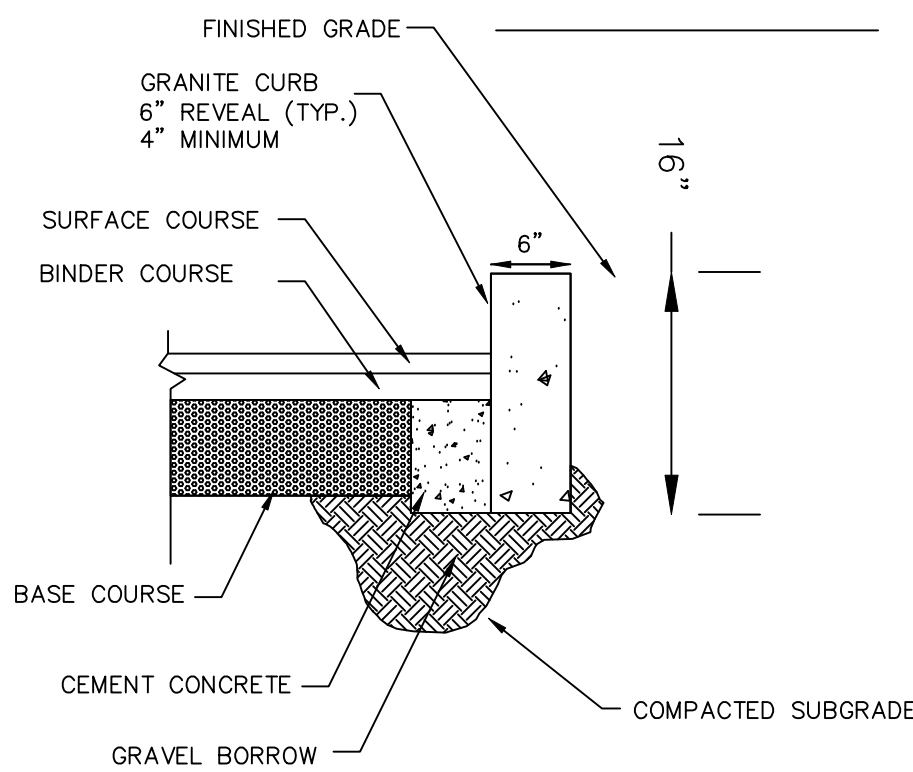
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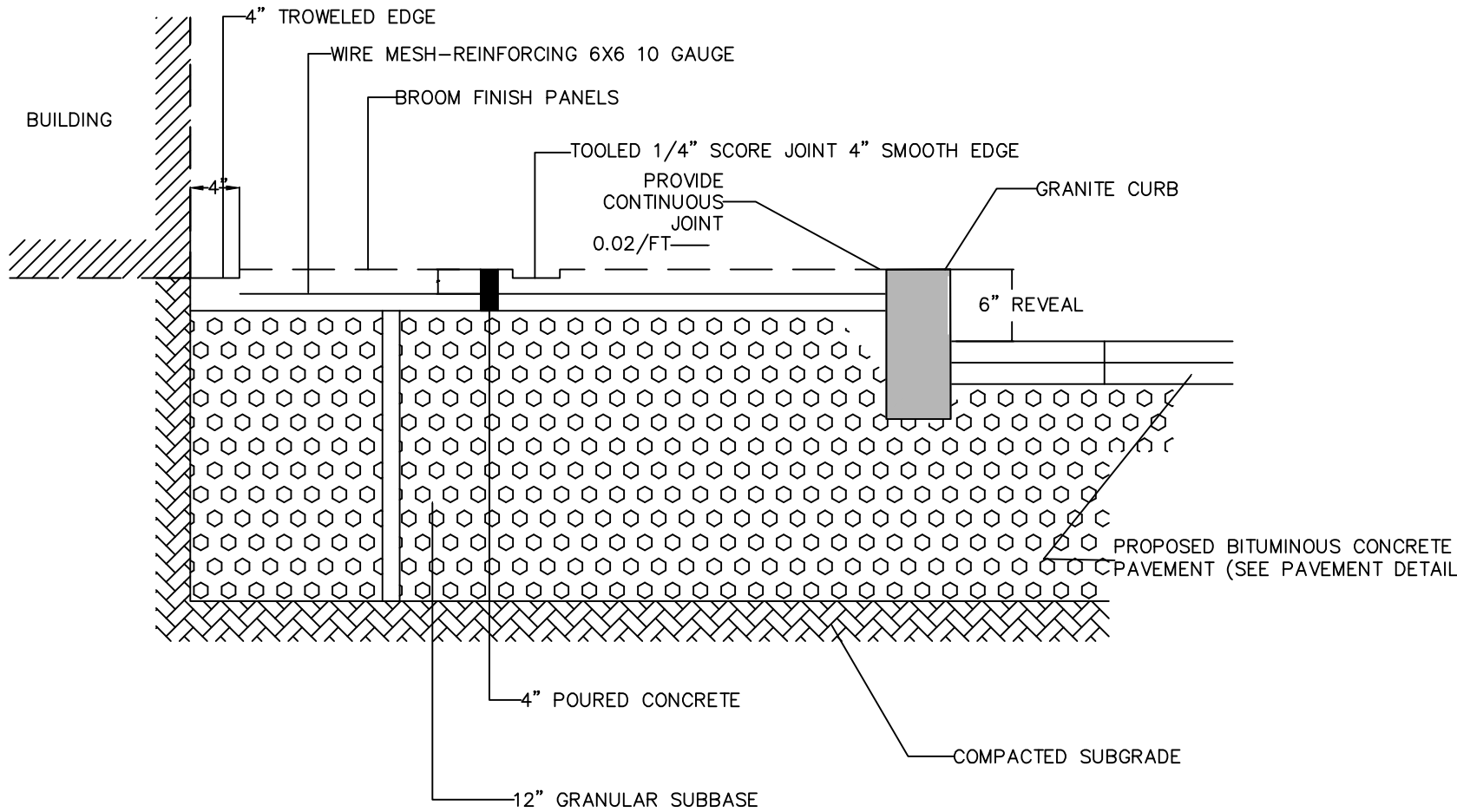
C-10



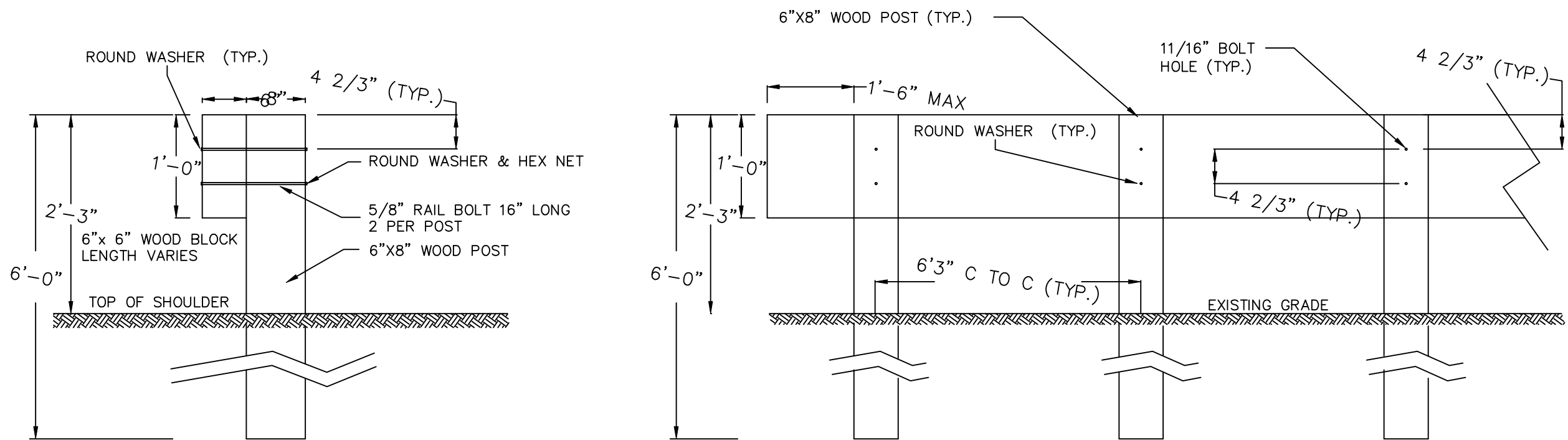
TREE PROTECTION  
NTS



GRANITE CURBING  
NTS



CONCRETE SIDEWALK AND GRANITE CURB  
NTS

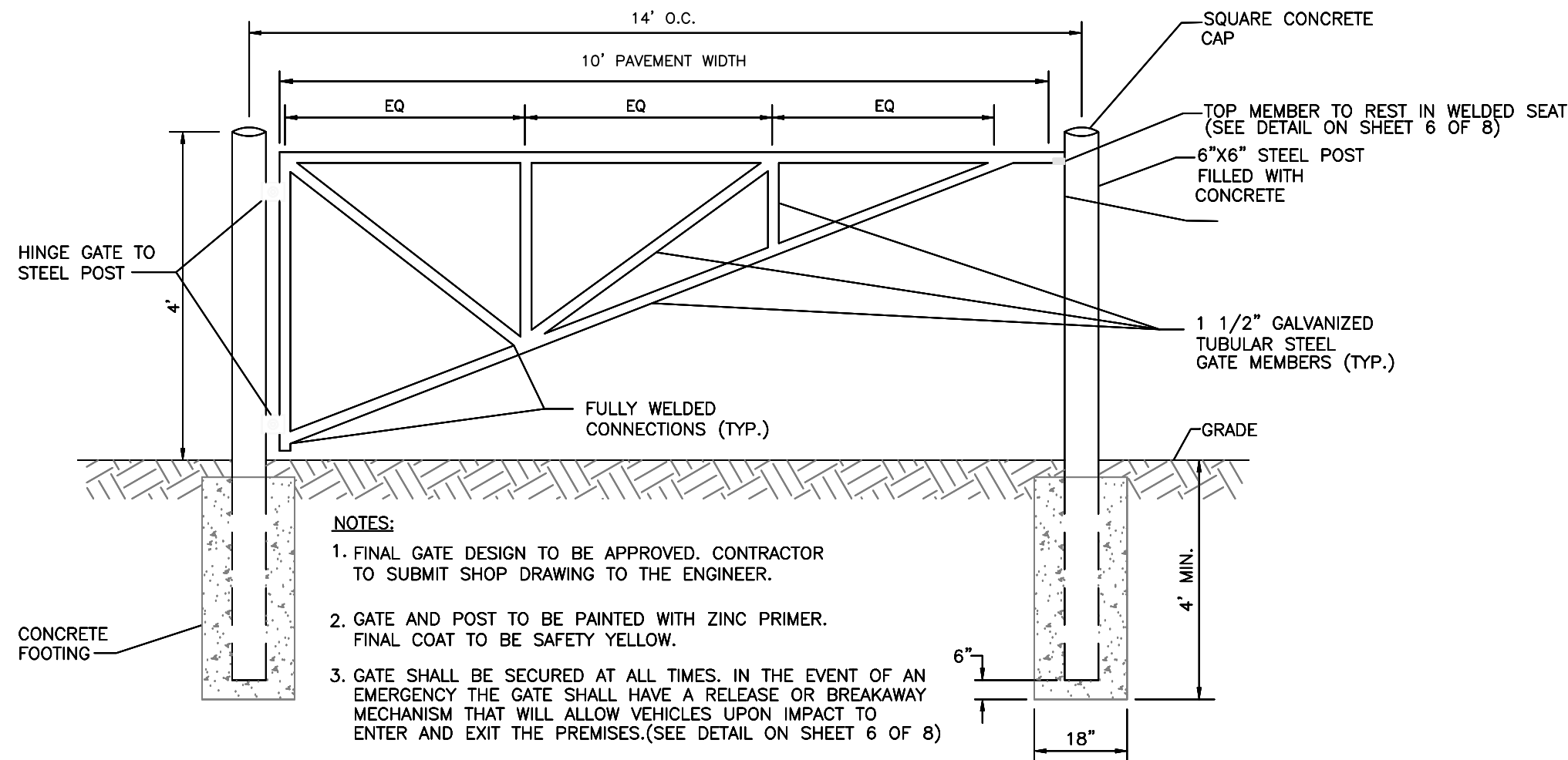


SIDE VIEW

FRONT VIEW

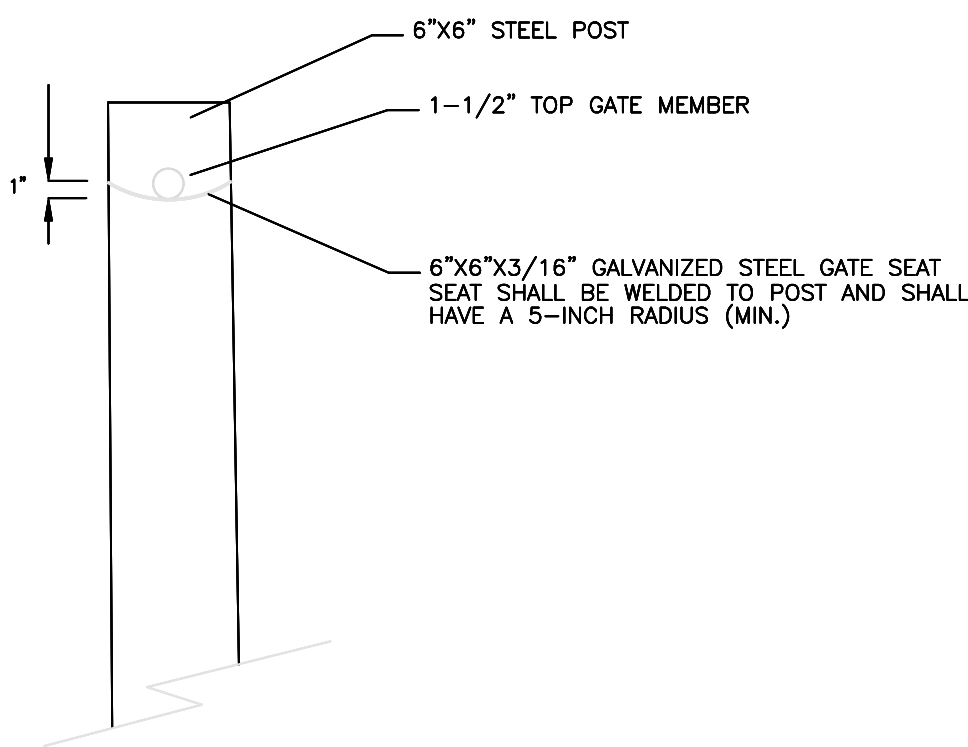
- NOTES:
- 1) ALL NUTS, BOLTS AND WASHERS ARE TO BE GALVANIZED.
  - 2) FOR THE TYPE OF WOOD AND WOOD TREATMENT, THE CONTRACTOR TO FOLLOW ALL FEDERAL, STATE, AND LOCAL SPECIFICATIONS.

WOODEN GUARDRAIL  
NTS



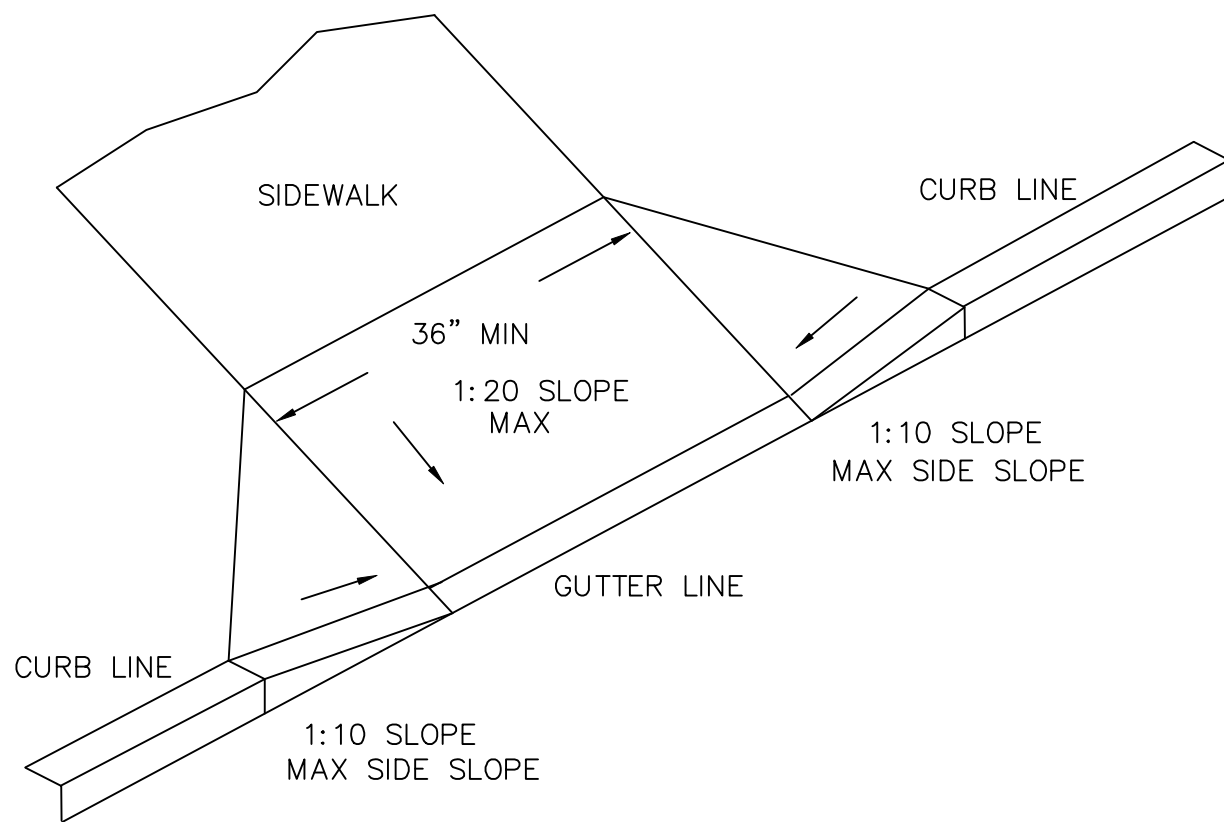
- NOTES:
1. FINAL GATE DESIGN TO BE APPROVED. CONTRACTOR TO SUBMIT SHOP DRAWING TO THE ENGINEER.
  2. GATE AND POST TO BE PAINTED WITH ZINC PRIMER. FINAL COAT TO BE SAFETY YELLOW.
  3. GATE SHALL BE SECURED AT ALL TIMES. IN THE EVENT OF AN EMERGENCY THE GATE SHALL HAVE A RELEASE OR BREAKAWAY MECHANISM THAT WILL ALLOW VEHICLES UPON IMPACT TO ENTER AND EXIT THE PREMISES.(SEE DETAIL ON SHEET 6 OF 8)
  4. GATE STOP SHALL MEET THE SPECIFICATIONS OF THE GATE POSTS IN THIS DETAIL AND SHALL INCLUDE A "CATCH" MECHANISM TO SECURE THE GATE WHEN FULLY OPENED. THE CATCH MECHANISM SHALL BE A STANDARD GALVANIZED STEEL GRAVITY LATCH OR EQUAL.

EMERGENCY ACCESS GATE DETAIL  
NTS

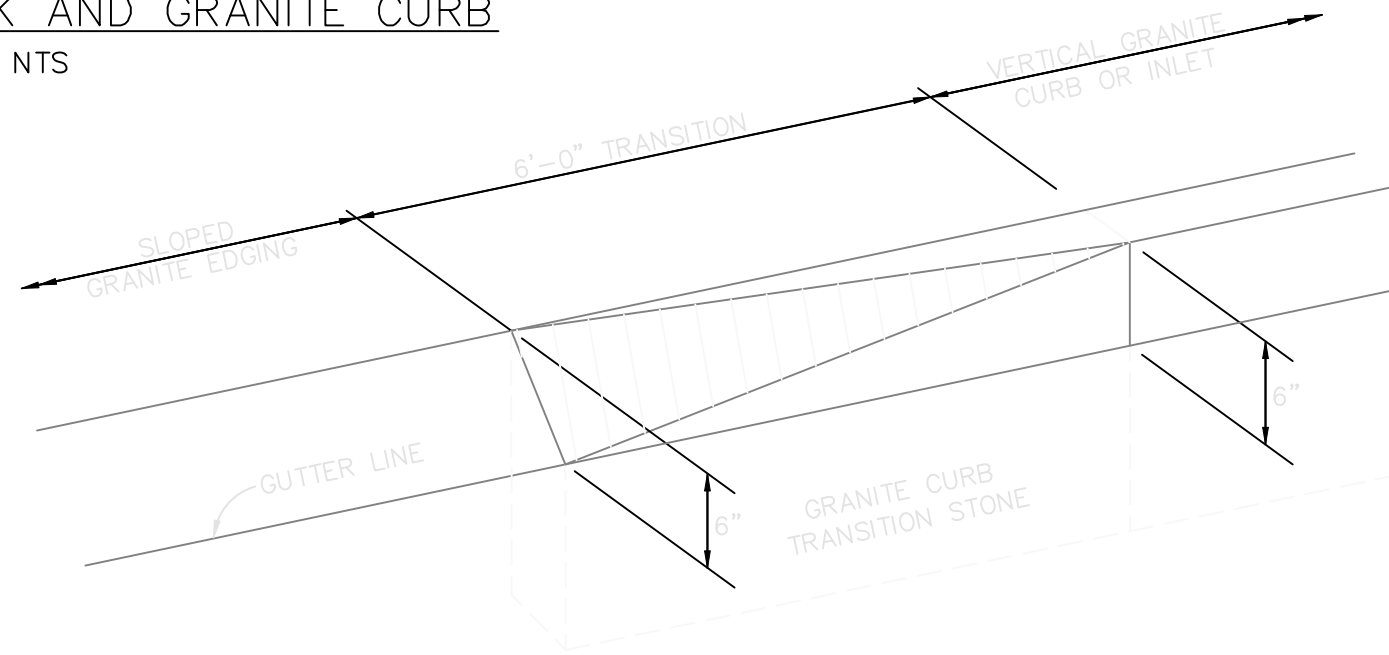


BREAKAWAY GATE DETAIL  
NTS

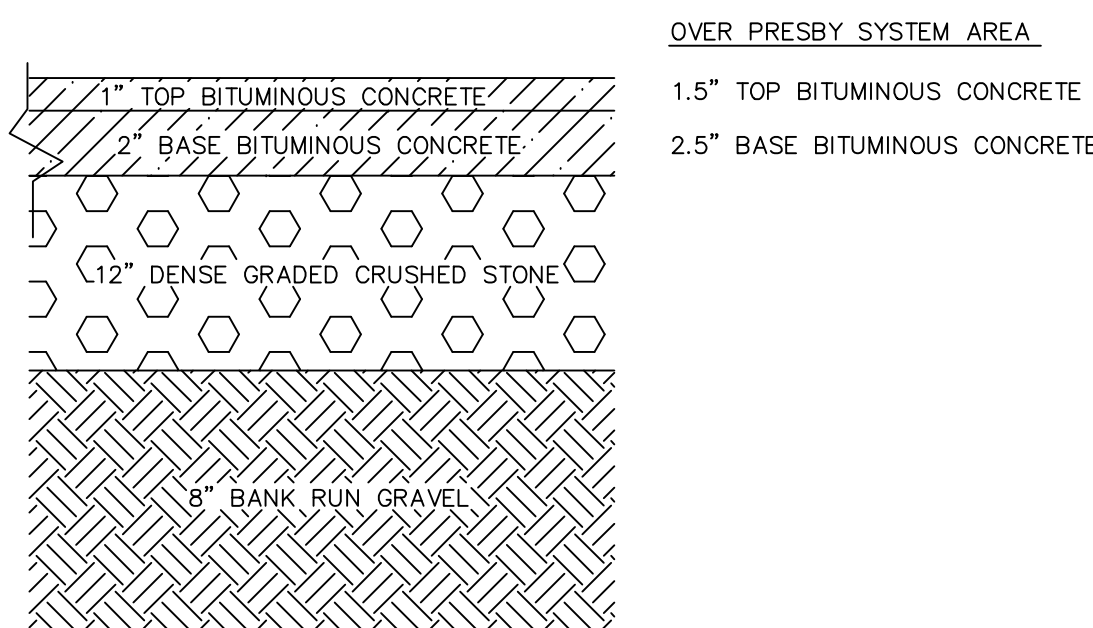
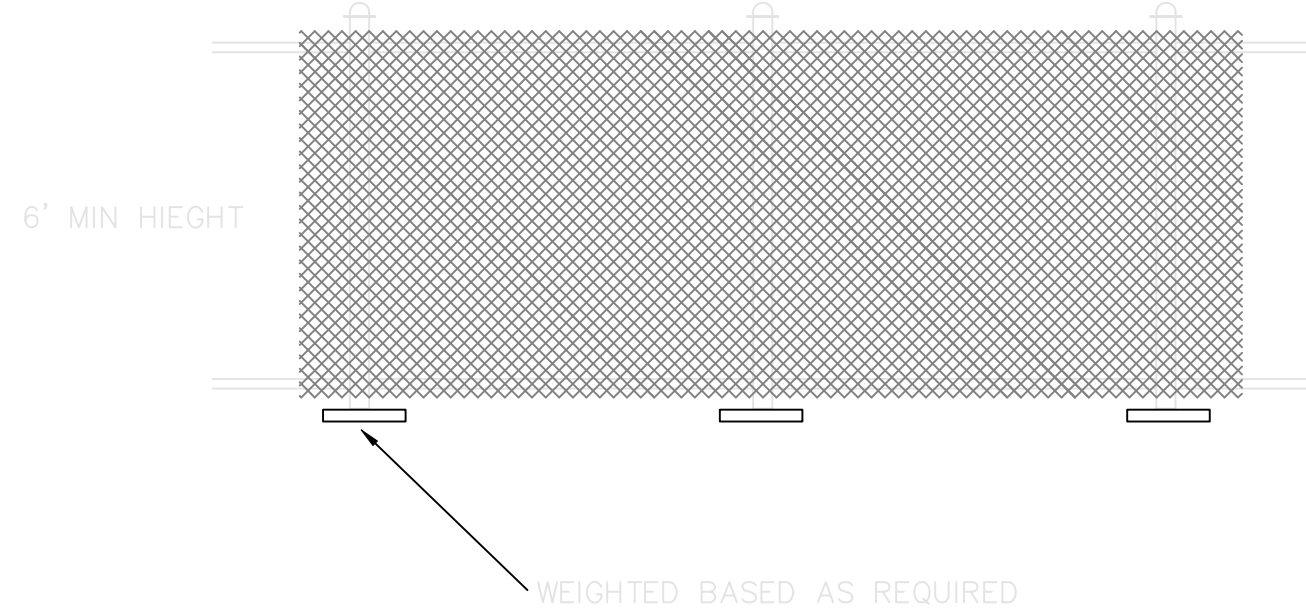
- NOTE:
- GATE SHALL BE SECURED AT ALL TIMES. IN THE EVENT OF AN EMERGENCY THE GATE SHALL HAVE A RELEASE OR BREAKAWAY MECHANISM THAT WILL ALLOW VEHICLES UPON IMPACT TO ENTER AND EXIT THE PREMISES.(SEE DETAIL ON SHEET 6 OF 8)



HANDICAP RAMP DETAIL  
NTS



TRANSITION DETAIL @ CURB ENDS  
NTS



- 1) ALL MATERIALS SHALL MEET MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS
- 2) INSTALL GEOTEXTILE (MIRAFI 180N OR EQUIVALENT) ABOVE SUBBASE AS DIRECTED BY THE ENGINEER

PAVEMENT CROSS-SECTION DETAIL  
NTS

TEMPORARY CONSTRUCTION FENCE D  
NTS

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SITE DETAILS

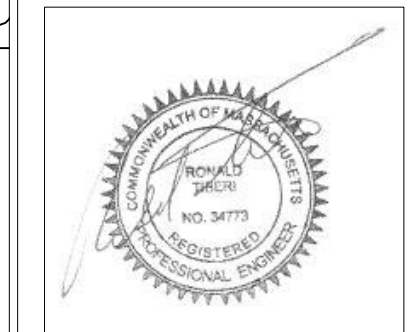
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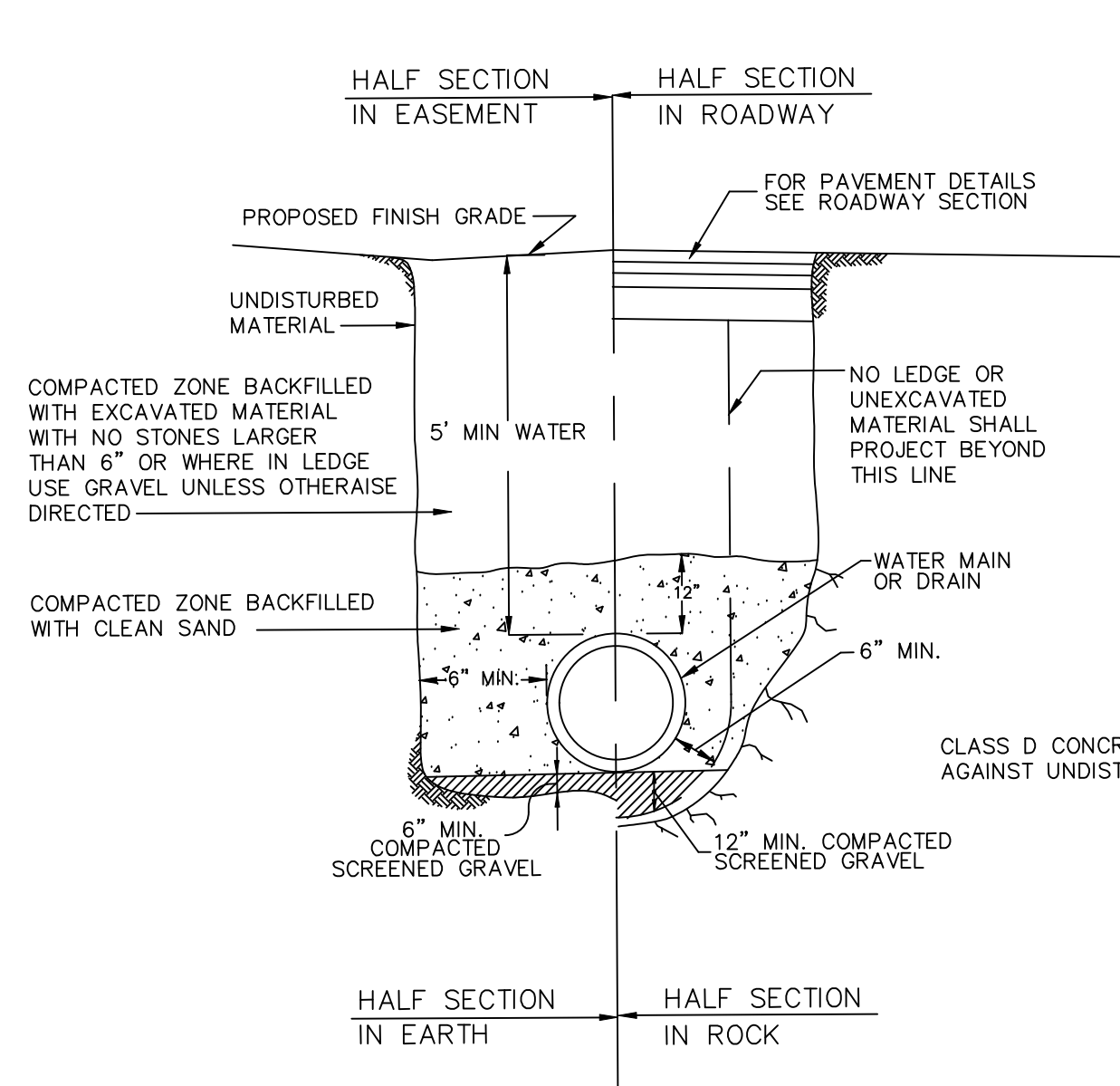
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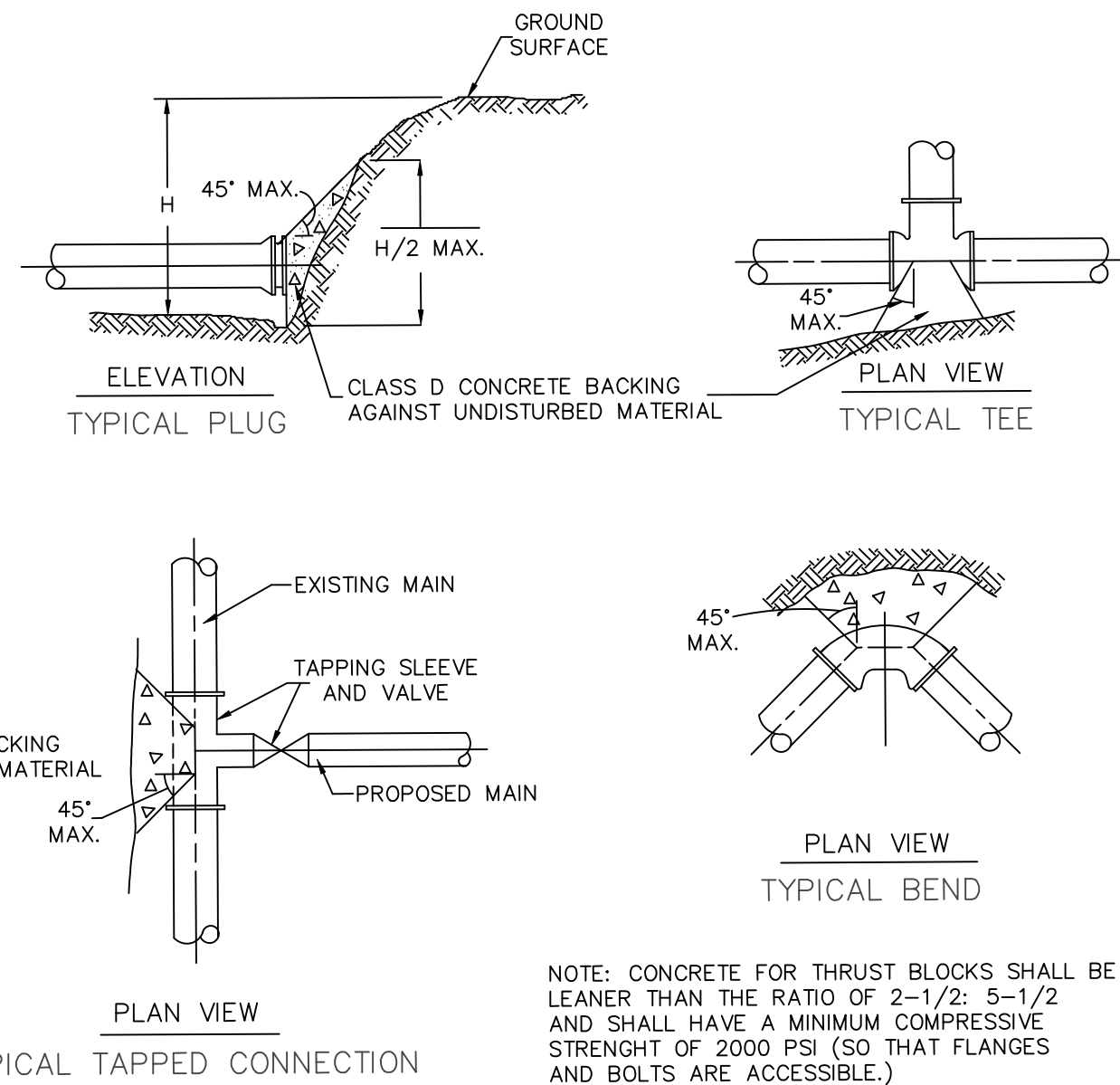
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WATER MAIN TRENCH DETAILS

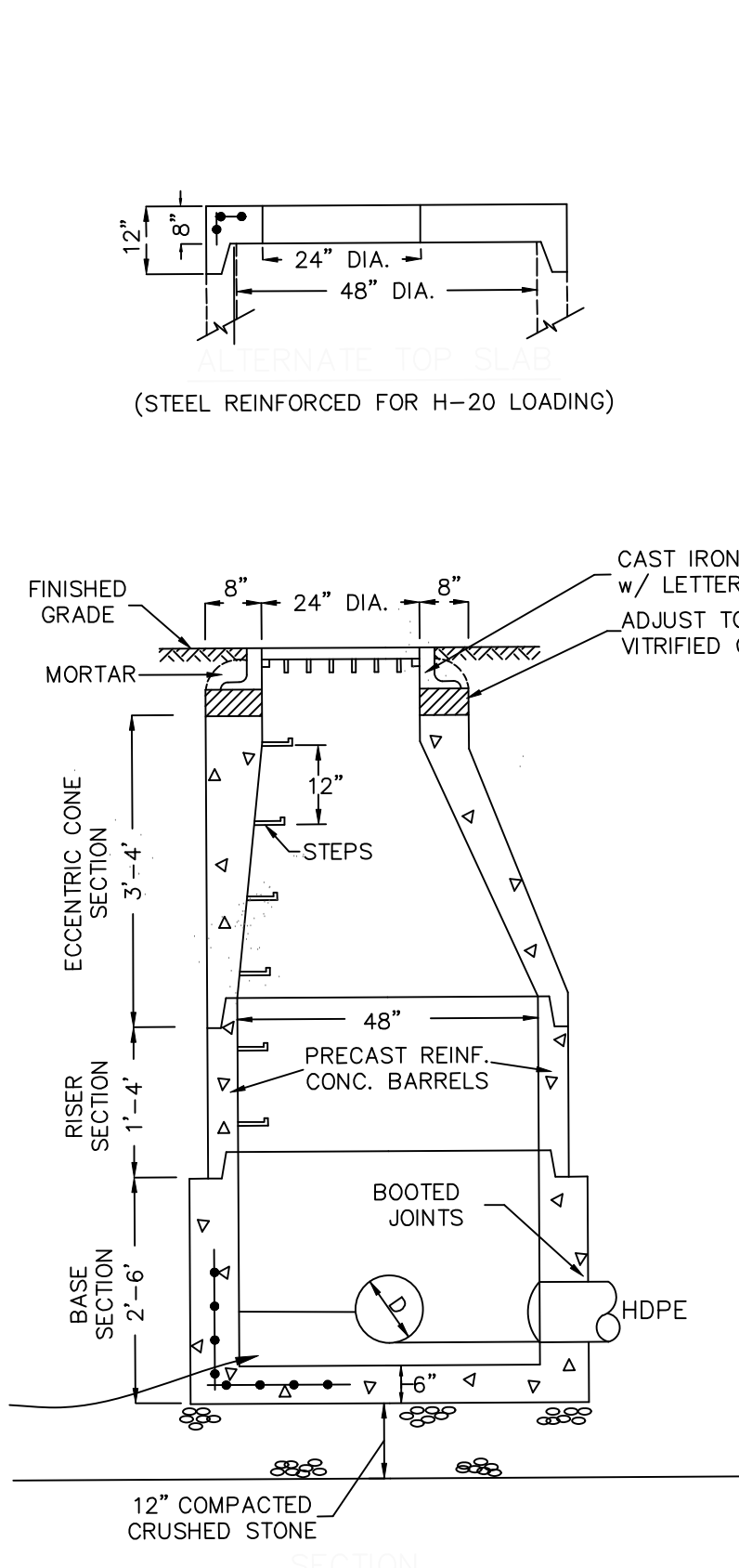
NOT TO SCALE



WATER MAIN THRUST BLOCK DETAILS

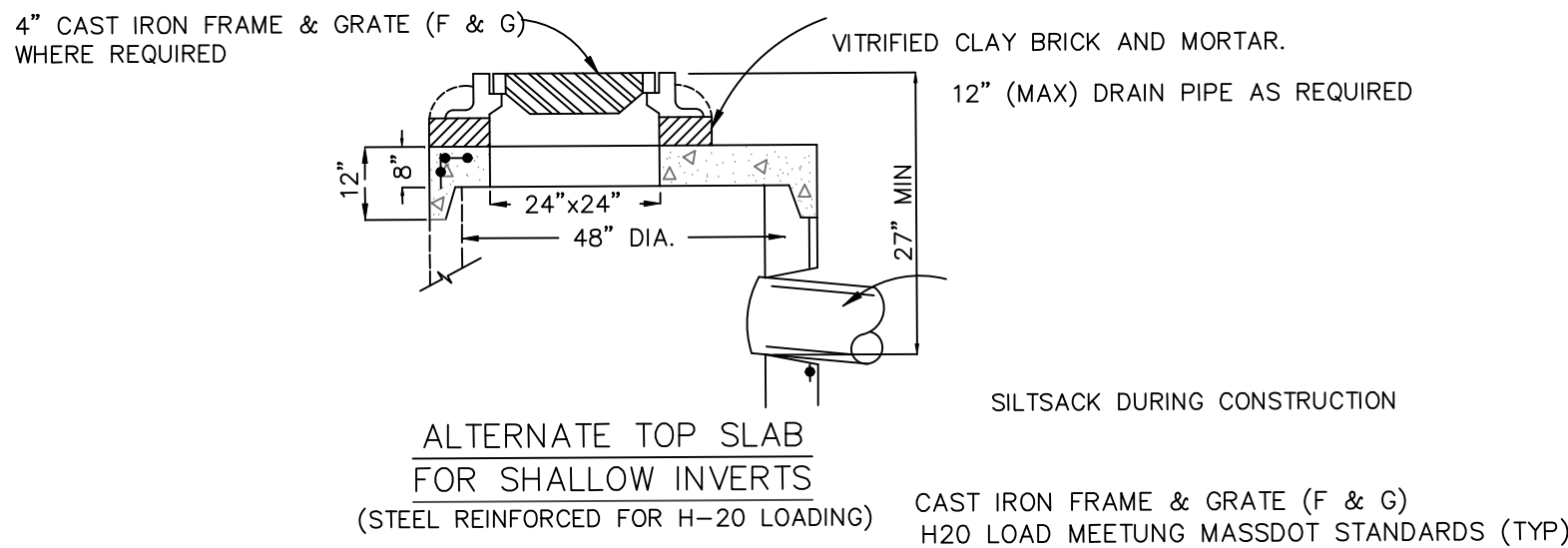
NOT TO SCALE

| BEARING AREAS OF THRUST BLOCKS<br>(BEARING AREA IN SQUARE FT.) |          |          |           |           |
|--|----------|----------|-----------|-----------|
| PIPE SIZE<br>INCHES  | 1/4 BEND | 1/8 BEND | 1/16 BEND | PLUG TEES |
| 6 AND 8  | 8        | 8        | —         | 8         |
| 10 AND 12  | 22       | 13       | 8         | 16        |



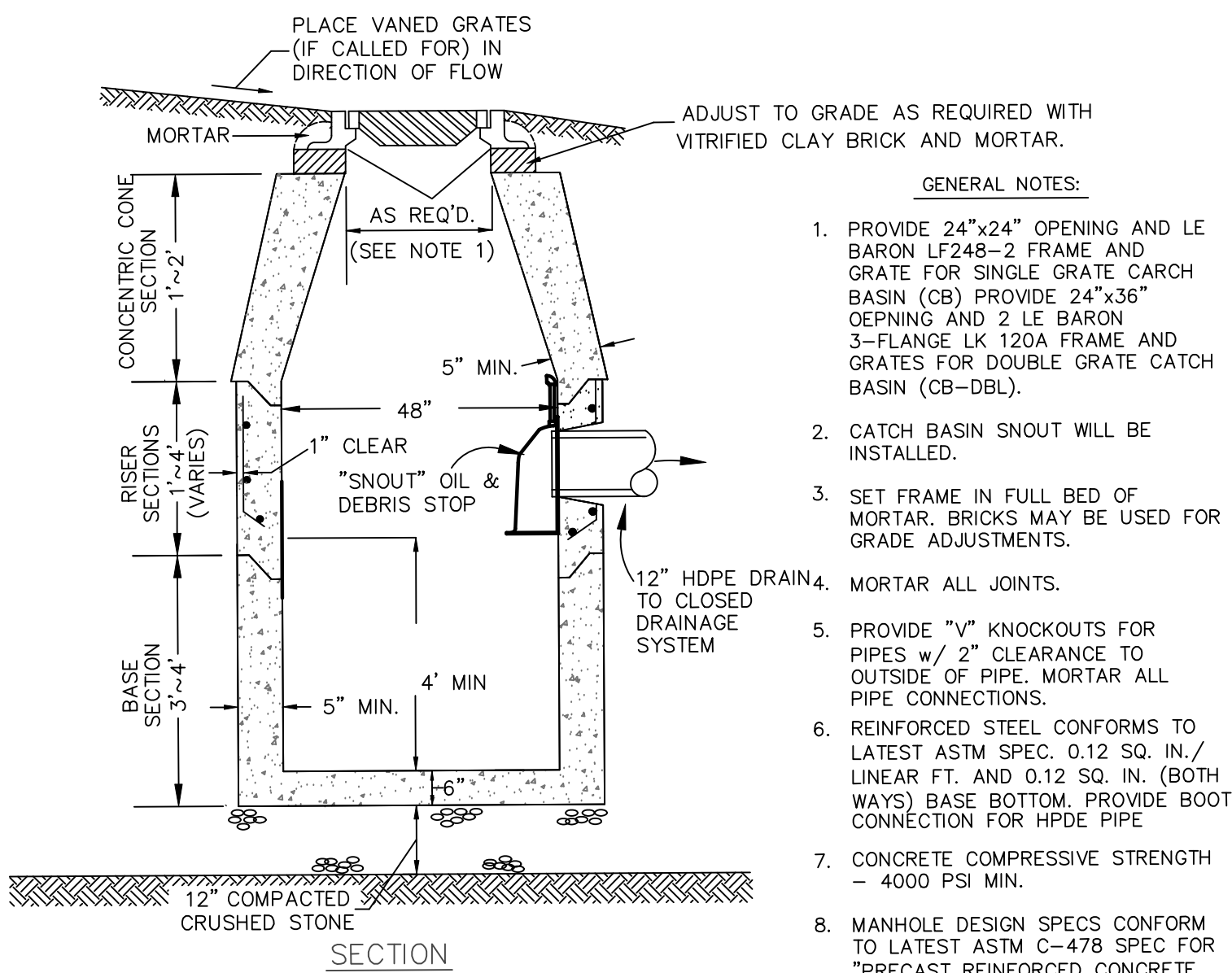
48" DIAMETER PRECAST DRAIN MANHOLE (DMH)  
FOR PIPE DIAMETERS UP TO 24"

NOT TO SCALE



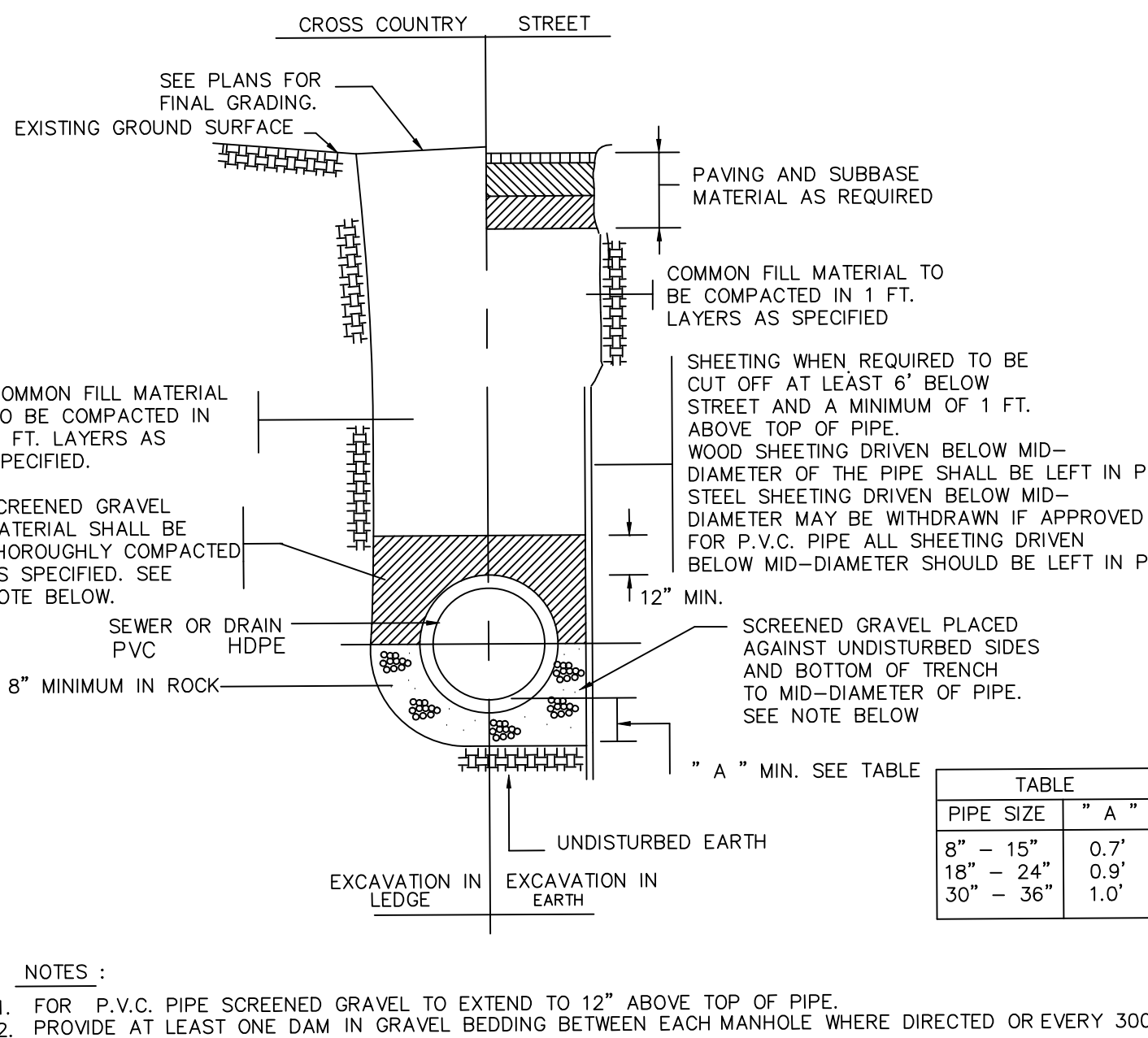
ALTERNATE TOP SLAB  
FOR SHALLOW INVERTS  
(STEEL REINFORCED FOR H-20 LOADING)

CAST IRON FRAME & GRATE (F & G)  
H20 LOAD MEETING MASSDOT STANDARDS (TYP)



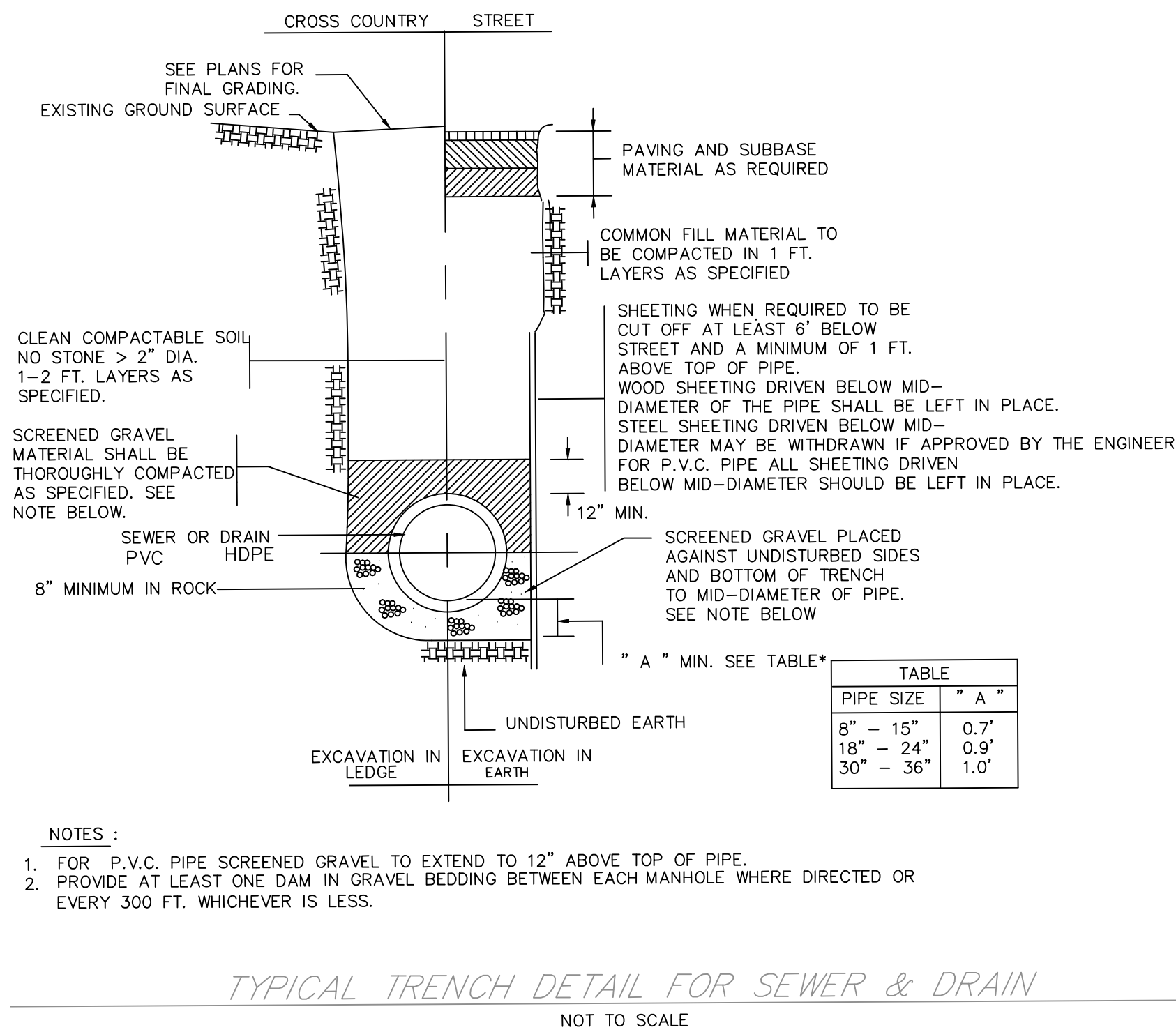
CATCH BASIN (CB) & DOUBLE GRATE CATCH BASIN (CB-DBL)

NOT TO SCALE



TYPICAL TRENCH DETAIL FOR SEWER & DRAIN

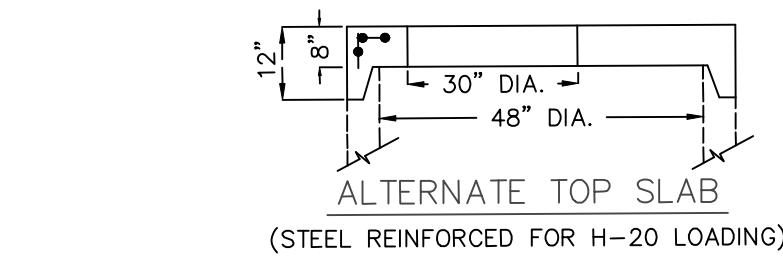
NOT TO SCALE



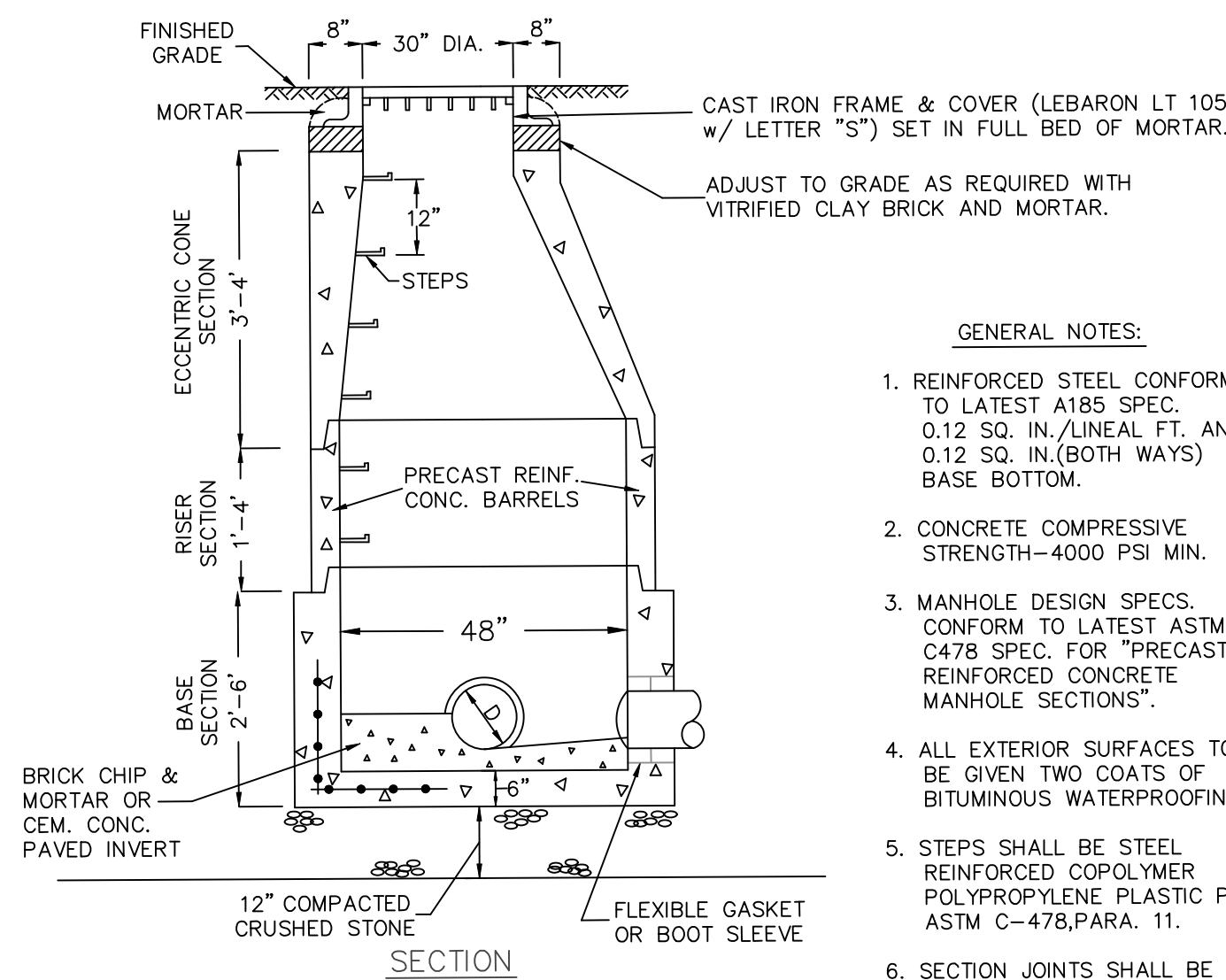
TYPICAL TRENCH DETAIL FOR SEWER & DRAIN

NOT TO SCALE

\*USE SAND BEDDING 6" DIA SANITARY PIPING



ALTERNATE TOP SLAB  
(STEEL REINFORCED FOR H-20 LOADING)



SANITARY SEWER MANHOLE (H20 SMH)

NOT TO SCALE

Date issued:

4-28-24



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TISDALE DRIVE

Drawing:

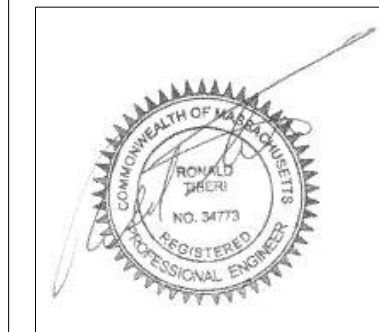
SITE DETAILS

| Revisions: |             |      |
|------------|-------------|------|
| No.        | Description | Date |
|            |             |      |
|            |             |      |
|            |             |      |
|            |             |      |
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