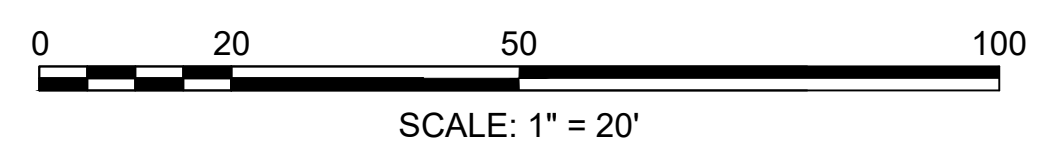




- ### NOTES
- REFER TO DRAWING C-001 FOR CIVIL LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
 - REFER TO ARCHITECTURAL, STRUCTURAL, MECHANICAL (PL101, PL201), AND ELECTRICAL (ED101) DEMOLITION DRAWINGS.
 - REMOVE AND DISPOSE OF PAVEMENT TO THE LIMITS REQUIRED FOR THE INSTALLATION OF NEW WORK.
 - ALL PAVEMENT SHALL BE SAWCUT TO ALLOW THE BACKFILL TO BE COMPACTED AND PAVEMENT PATCHED AS PER THE SPECIFICATIONS AND SITE DETAILS.
 - REMOVE AND DISPOSE OF CONCRETE SIDEWALKS TO THE LIMITS REQUIRED FOR NEW WORK.
 - PROTECT TREES TO REMAIN WITHIN THE LIMIT OF WORK UNLESS NOTED OTHERWISE.
 - PROTECT EXISTING UTILITIES IN PLACE. IF CONFLICT SUBMIT RFI TO VA COR TO DETERMINE AN ALTERNATE SOLUTION.
 - SOIL MAY BE STOCKPILED FOR FUTURE RE-USE AS BACKFILL ONLY. SURPLUS SOIL SHALL BE REMOVED AND DISPOSED.
 - REMOVE AND DISPOSE OF TOPSOIL.
 - REPAIR AFFECTED UTILITIES TO ALLOW FOR CONTINUED USE.
 - RELOCATE NATURAL GAS PIPELINE PRIOR TO EXCAVATING FOR UNDERGROUND TANKS.
 - PROTECT FIXTURES (I.E. EXISTING LIGHT POLES, FIRE HYDRANTS, AND SIGNS) TO REMAIN IN PLACE WITHIN THE LIMIT OF WORK UNLESS NOTED OTHERWISE. THE CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OR REPAIR OF FIXTURES SHOULD THEY BE DAMAGED DURING CONSTRUCTION.
 - UTILITY LOCATIONS WITHIN THIS LOCATION WERE BEYOND THE SCOPE OF SURVEY. CONTRACTOR TO VERIFY ALL UTILITIES IN FIELD.

- ### KEY NOTES
- REMOVE AND DISPOSE OF CONCRETE PAVEMENT.
 - REMOVE AND DISPOSE OF CURB.
 - REMOVE AND DISPOSE OF CONCRETE PAD.
 - REMOVE AND DISPOSE OF TREE.
 - NOT USED ON THIS SHEET.
 - REMOVE AND DISPOSE STORM INLET AND PIPING. SEE NOTE 10.
 - STEAM PIPELINE TO REMAIN ACTIVE UNTIL NEW STEAM LINE IS INSTALLED. EXISTING LINE TO BE CAPPED IN PLACE ONCE NEW STEAM LINE IS INSTALLED AND ACTIVE.
 - REMOVE AND DISPOSE PORTION OF WATER PIPELINE. SEE NOTE 10.
 - REMOVE SIGN AND RETURN TO OWNER.
 - REMOVE PARKING LOT LIGHTS AND RETURN TO OWNER.
 - REMOVE BOLLARD AND RETURN TO OWNER.
 - REMOVE AND DISPOSE OF ELECTRICAL DUCT BANK. REFER TO CU101 FOR PHASING OF DEMOLITION.
 - REMOVE AND DISPOSE OF COMMUNICATION LINE. REFER TO NOTE 2.

1 CIVIL EXISTING CONDITIONS/DEMOLITION PLAN
Scale: 1" = 20'



MATCHLINE SHEET CD102

MATCHLINE SHEET CD102

ADDENDUM 4	02-10-2025
ADDENDUM 3	01-17-2025
ADDENDUM 2 (NO CHANGES TO THIS SHEET)	09-12-2024
ADDENDUM 1	08-09-2024
Revisions:	Date:

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ROBERT B. BLANCHETTE, JR.
CIVIL ENGINEER
No. 48371
10 FEB 2025

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title

CIVIL EXISTING CONDITIONS/DEMOLITION PLAN

Approved: Project Director

Phase

100% CONSTRUCTION DOCUMENT SUBMISSION

FULLY SPRINKLERED

Project Title

SIoux FALLS BOILER PLANT

Location

VAMC-SIoux Falls: 2501 W 22nd St, Sioux Falls, SD 57105

Issue Date

08-09-2024

Checked

RBB

Drawn

EG

Project Number

438-22-900

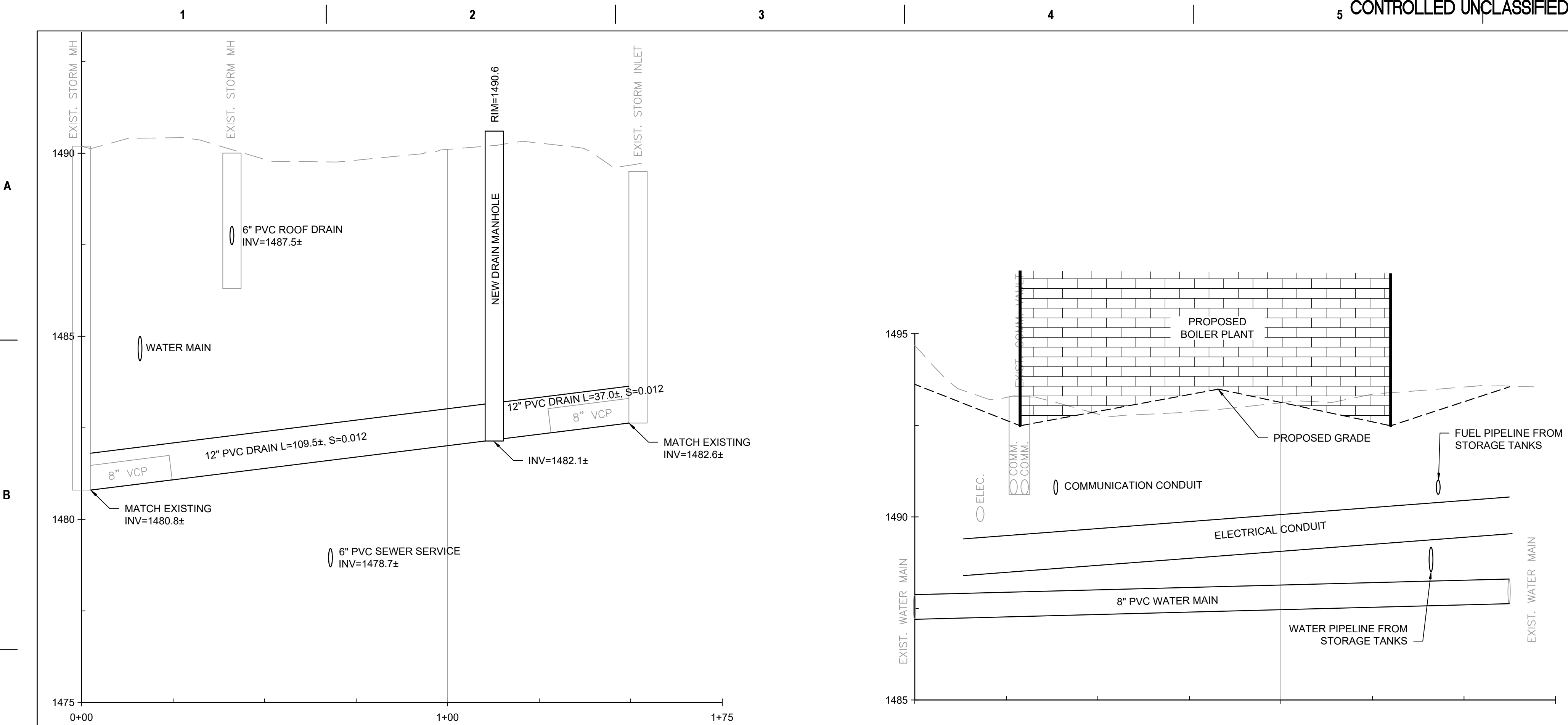
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Drawing Number

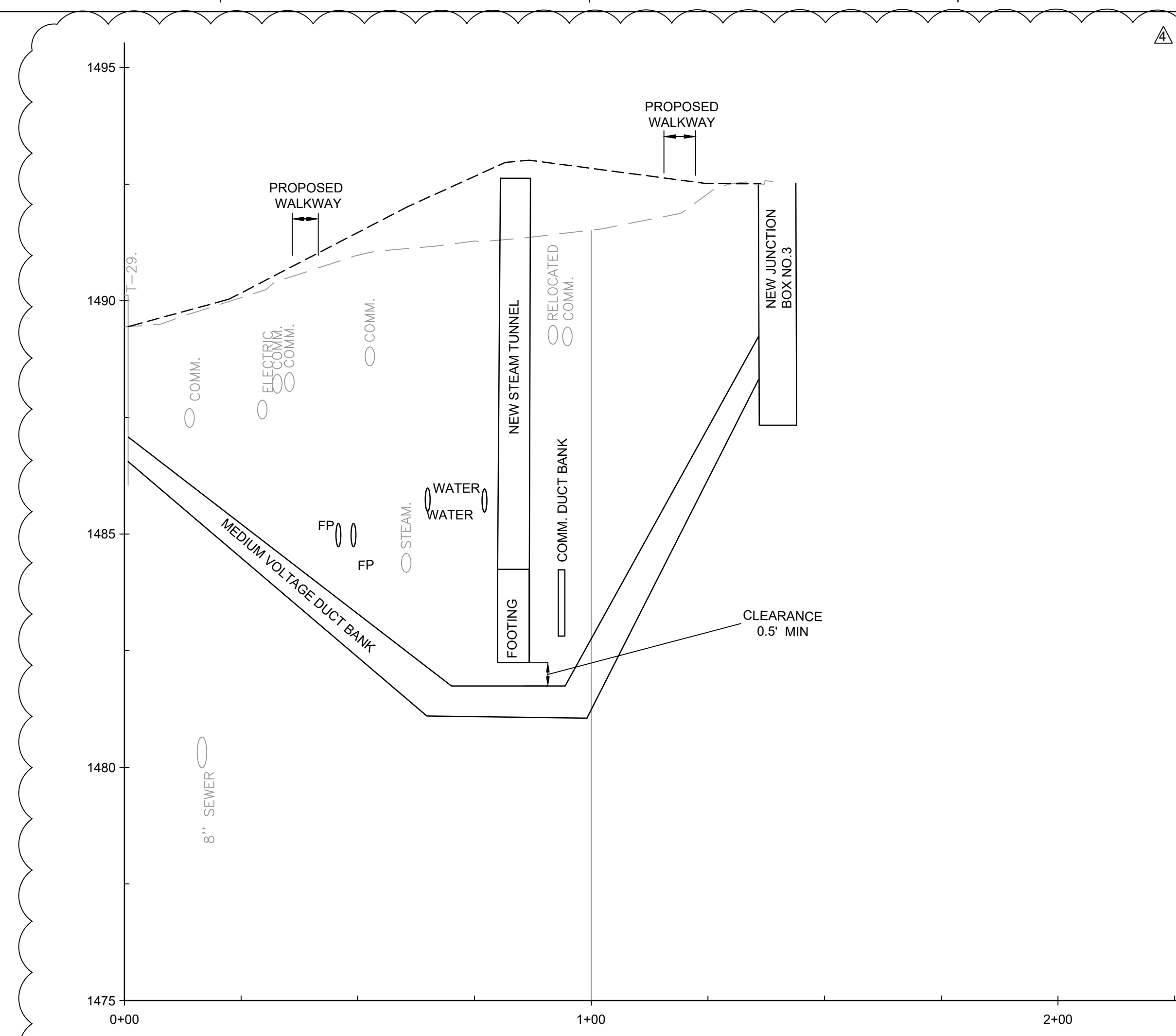
CD101

2 OF 17

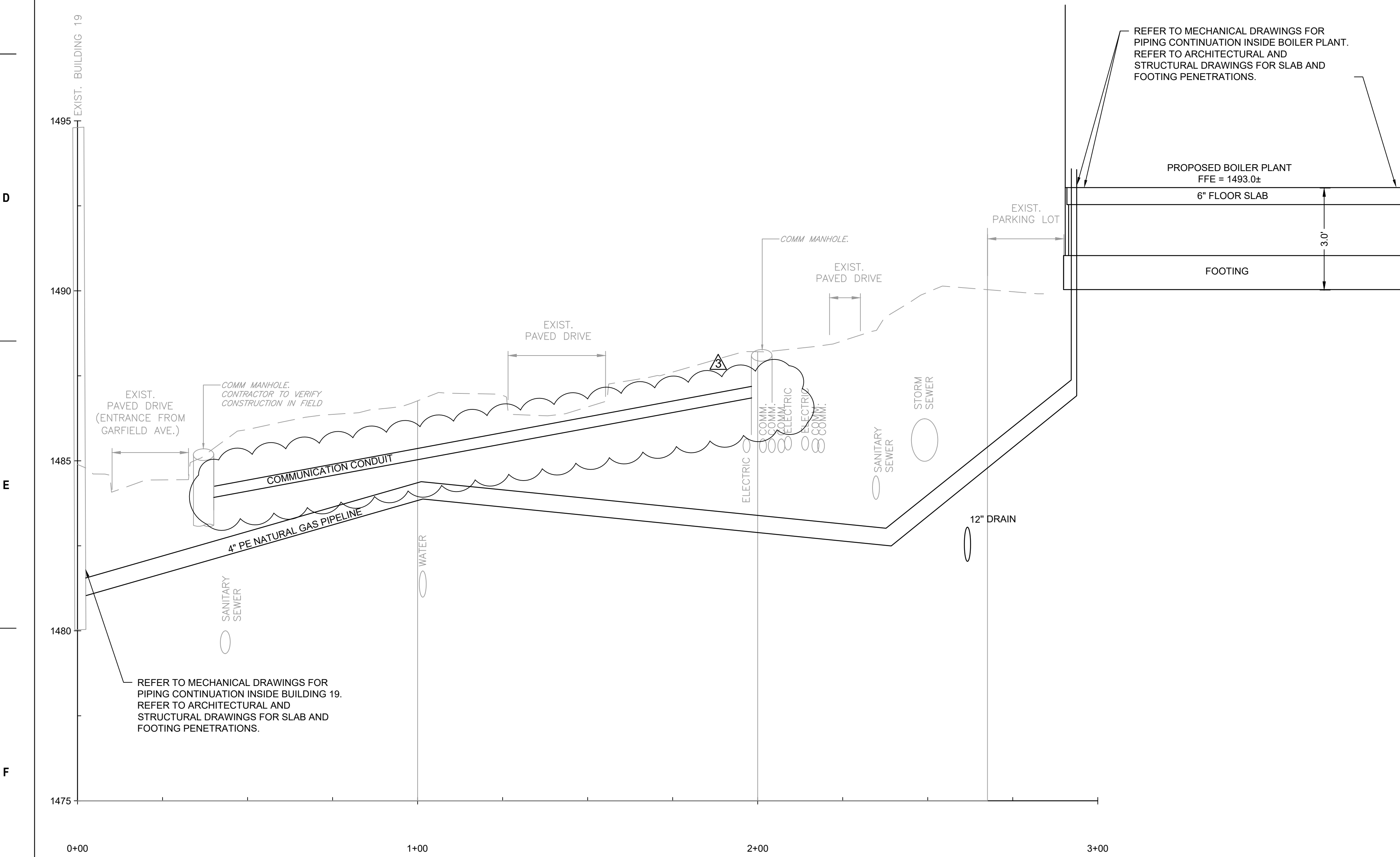


C1 DRAIN PIPELINE WEST OF BOILER PLANT
Scale: H:1" = 20'; V:1"=2'

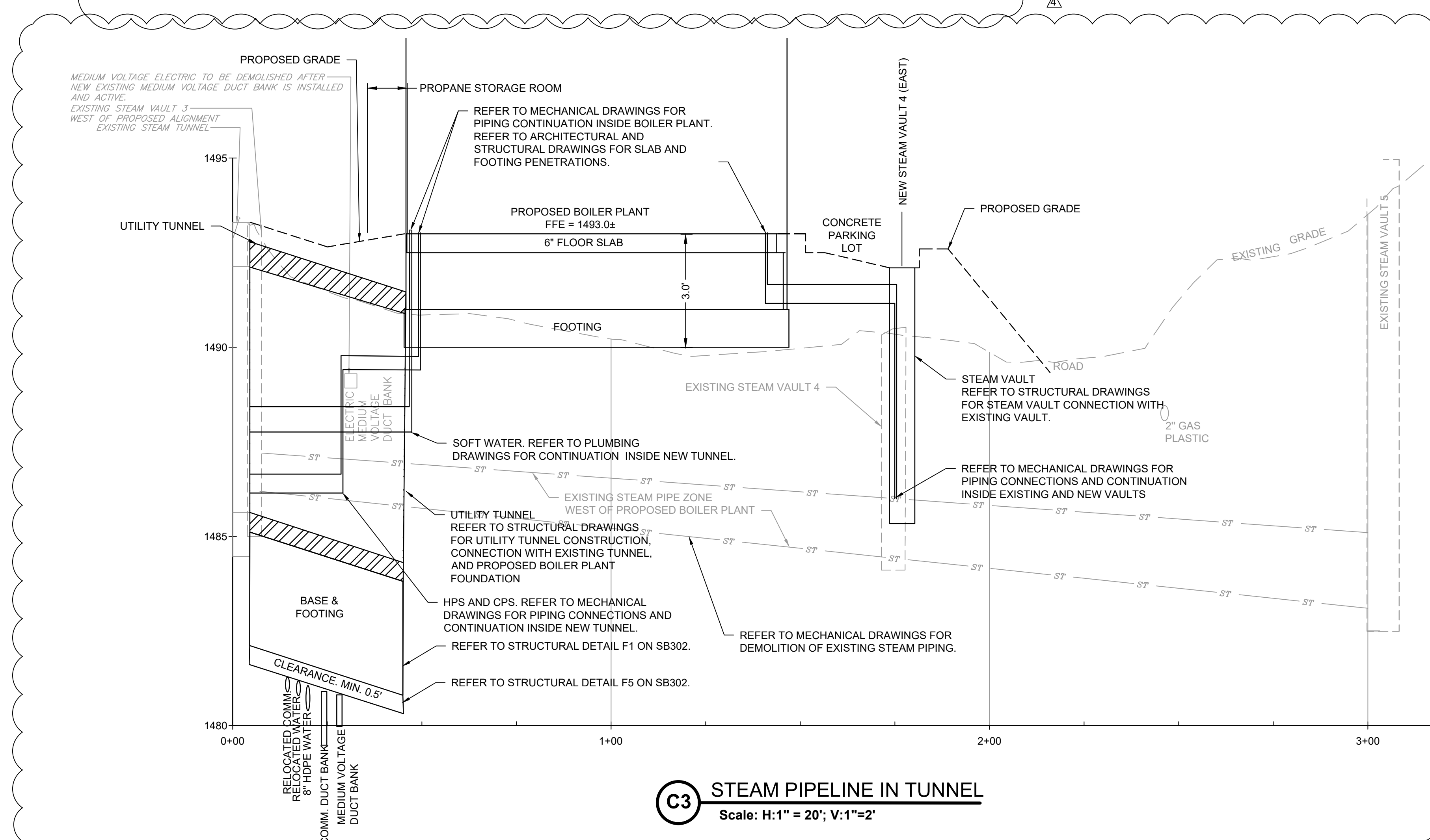
C4 WATER MAIN EAST SIDE OF BOILER PLANT
Scale: H:1" = 20'; V:1"=2'



C7 MEDIUM VOLTAGE ELECTRIC
Scale: H:1" = 20'; V:1"=2'



F1 NATURAL GAS SERVICE
Scale: H:1" = 20'; V:1"=2'



C3 STEAM PIPELINE IN TUNNEL
Scale: H:1" = 20'; V:1"=2'

- NOTES**
- REFER TO DRAWING C001 FOR CIVIL LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
 - REFER TO CS101 FOR ALIGNMENT.
 - EXISTING PIPE SIZES OBTAINED FROM TOPOGRAPHIC SURVEY CONDUCTED BY HONOR ENGINEERING IN NOVEMBER 2022, UTILITY LOCATING CONDUCTED IN NOVEMBER 2022, AND V.A.M.R.O.C. SITE PLAN DRAWING TITLED UTILITY MAP STEAM/GAS DATED JUNE 2007 STEAM GAS DRAWING PROVIDED BY THE VA.
 - EXISTING UTILITIES TO REMAIN SHALL BE SUPPORTED AND PROTECTED IN PLACE.
 - ALL UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE ONLY AND WERE COMPILED ACCORDING TO AVAILABLE RECORD PLANS FROM THE VARIOUS UTILITY COMPANIES AND PUBLIC AGENCIES. ACTUAL LOCATIONS MUST BE DETERMINED IN THE FIELD BEFORE DESIGNING, EXCAVATING, BLASTING, INSTALLING BACKFILLING, GRADING, PAVEMENT RESTORATION OR REPAIRING. ALL UTILITY COMPANIES, PUBLIC & PRIVATE MUST BE NOTIFIED INCLUDING THOSE IN CONTROL OF UTILITIES NOT SHOWN ON THIS PLAN. MABBETT ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCURATELY SHOWN. BEFORE FUTURE CONNECTIONS, THE APPROPRIATE UTILITY ENGINEERING DEPARTMENTS MUST BE CONSULTED. CALL SOUTH DAKOTA ONE CALL AT 811.
 - WATER MAIN TO BE INSTALLED 6- FEET BELOW FINISH GROUND SURFACE TO COMPLY WITH SECTION 5.26 OF THE VA DESIGN MANUAL.
 - WATER MAIN TO BE INSTALLED AT LEAST 18-INCHES ABOVE EXISTING SEWER SERVICE PER SECTION 5.2.9 OF THE VA DESIGN MANUAL.

SCALE: 1" = 20'

Revisions:	Date:
ADDENDUM 4	02-10-2025
ADDENDUM 3	01-17-2025
ADDENDUM 2 (NO CHANGES TO THIS SHEET)	09-12-2024
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VA U.S. Department of Veterans Affairs

Drawing Title

CIVIL UTILITY PROFILE

Approved: Project Director

Phase

100% CONSTRUCTION DOCUMENT SUBMISSION

FULLY SPRINKLERED

Project Title

SIoux FALLS BOILER PLANT

Project Number

438-22-900

Building Number

12

Location

VAMC-Sioux Falls: 2501 W 22nd St, Sioux Falls, SD 57105

Issue Date

08-09-2024

Checked

RBB

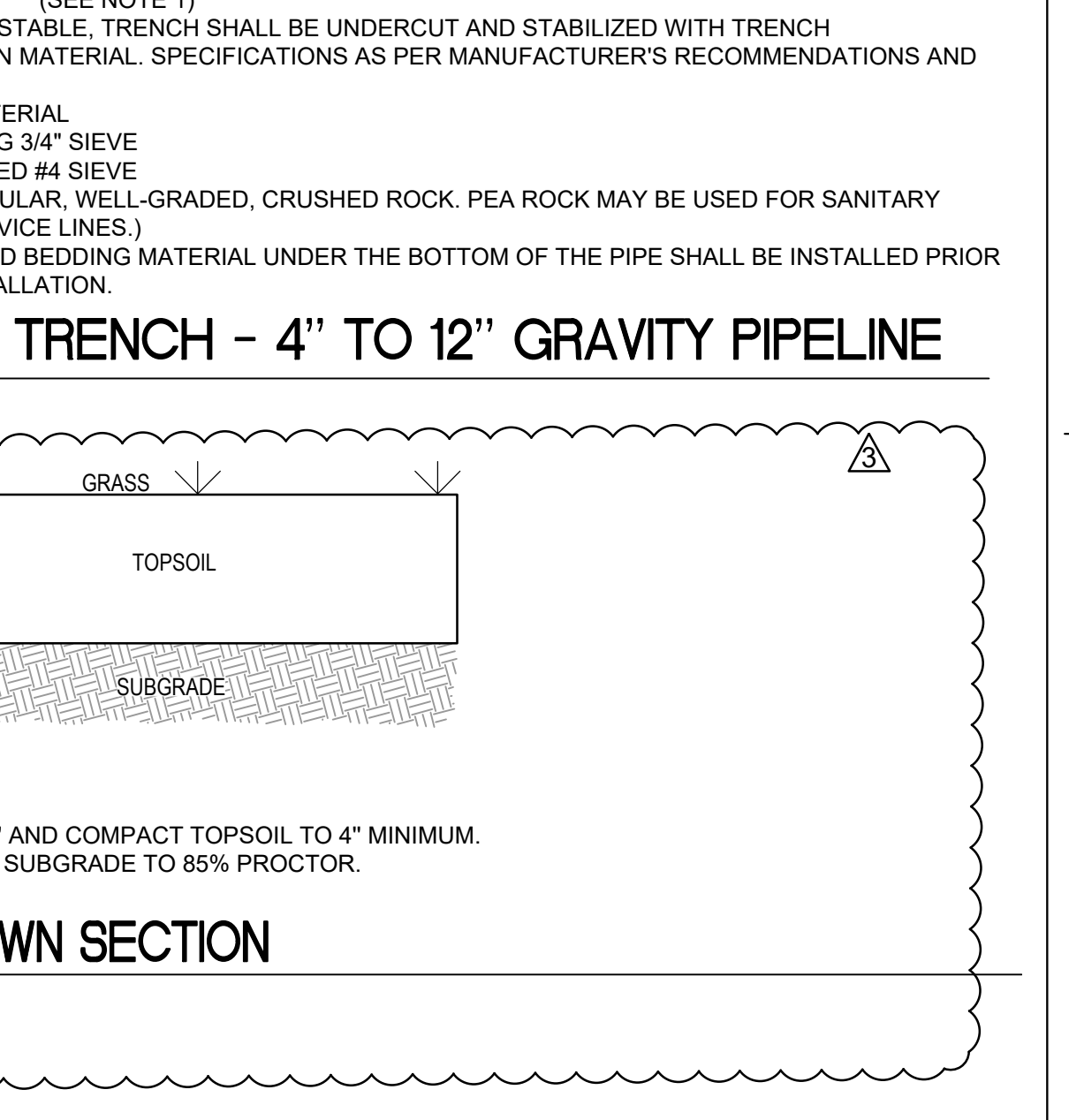
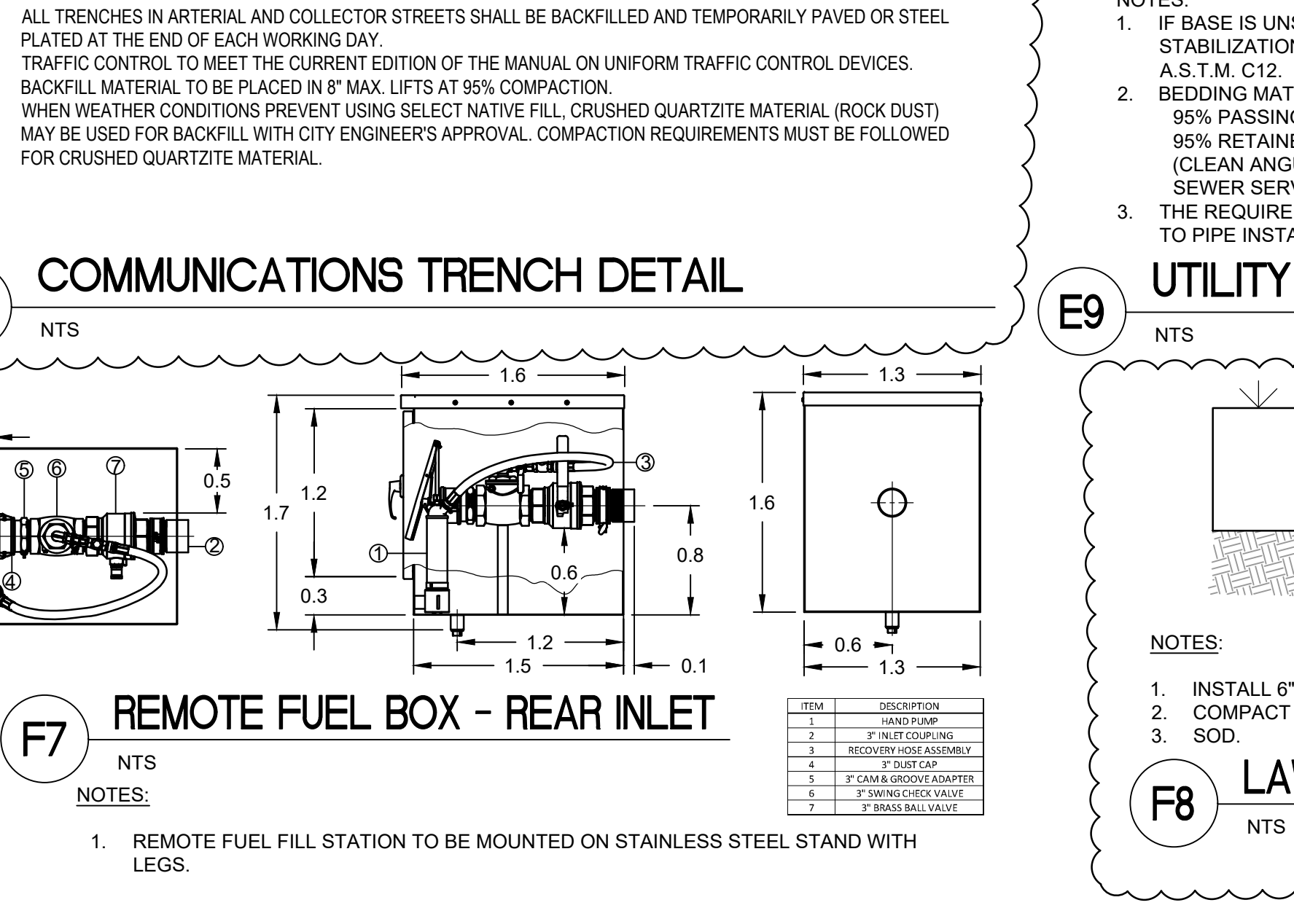
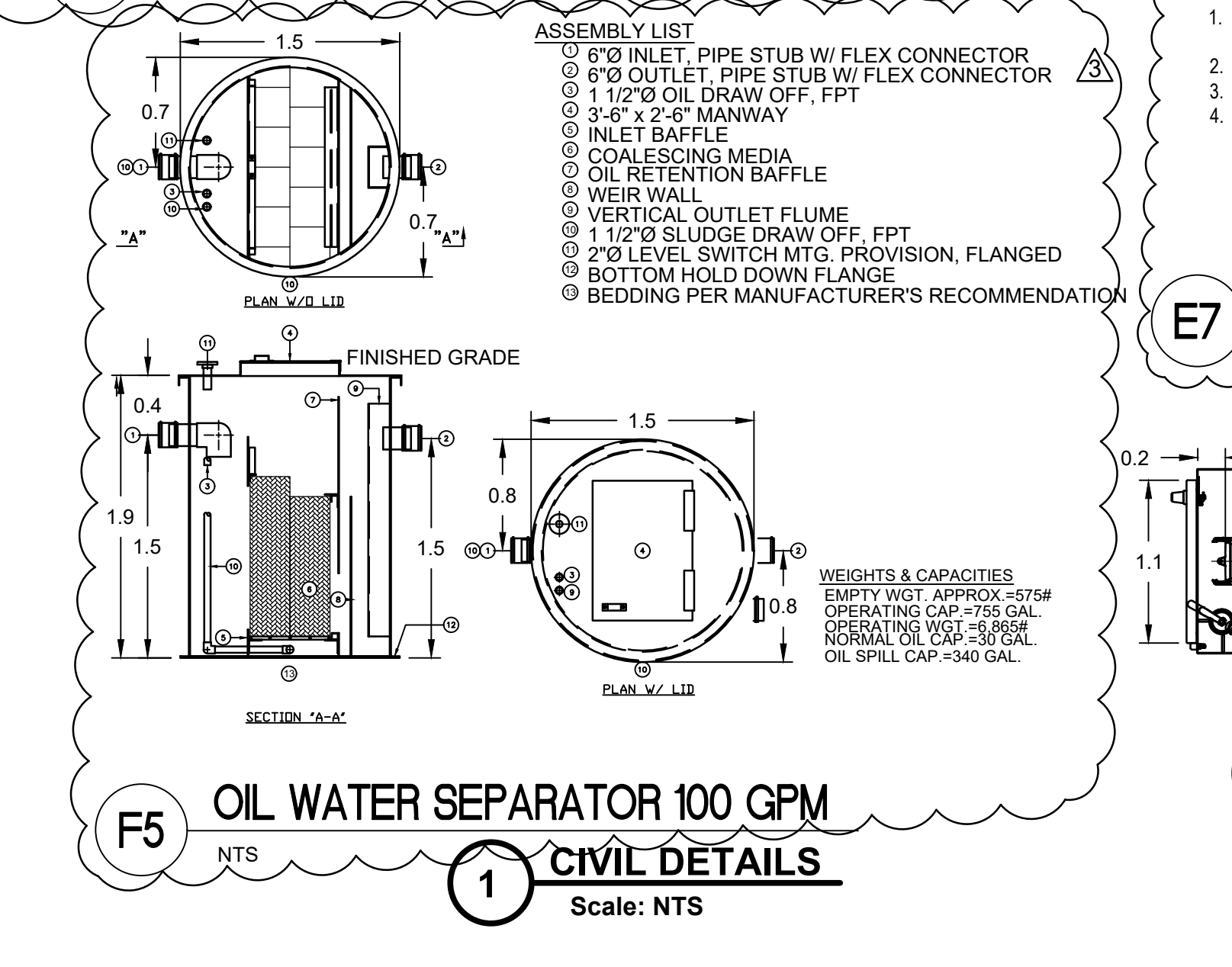
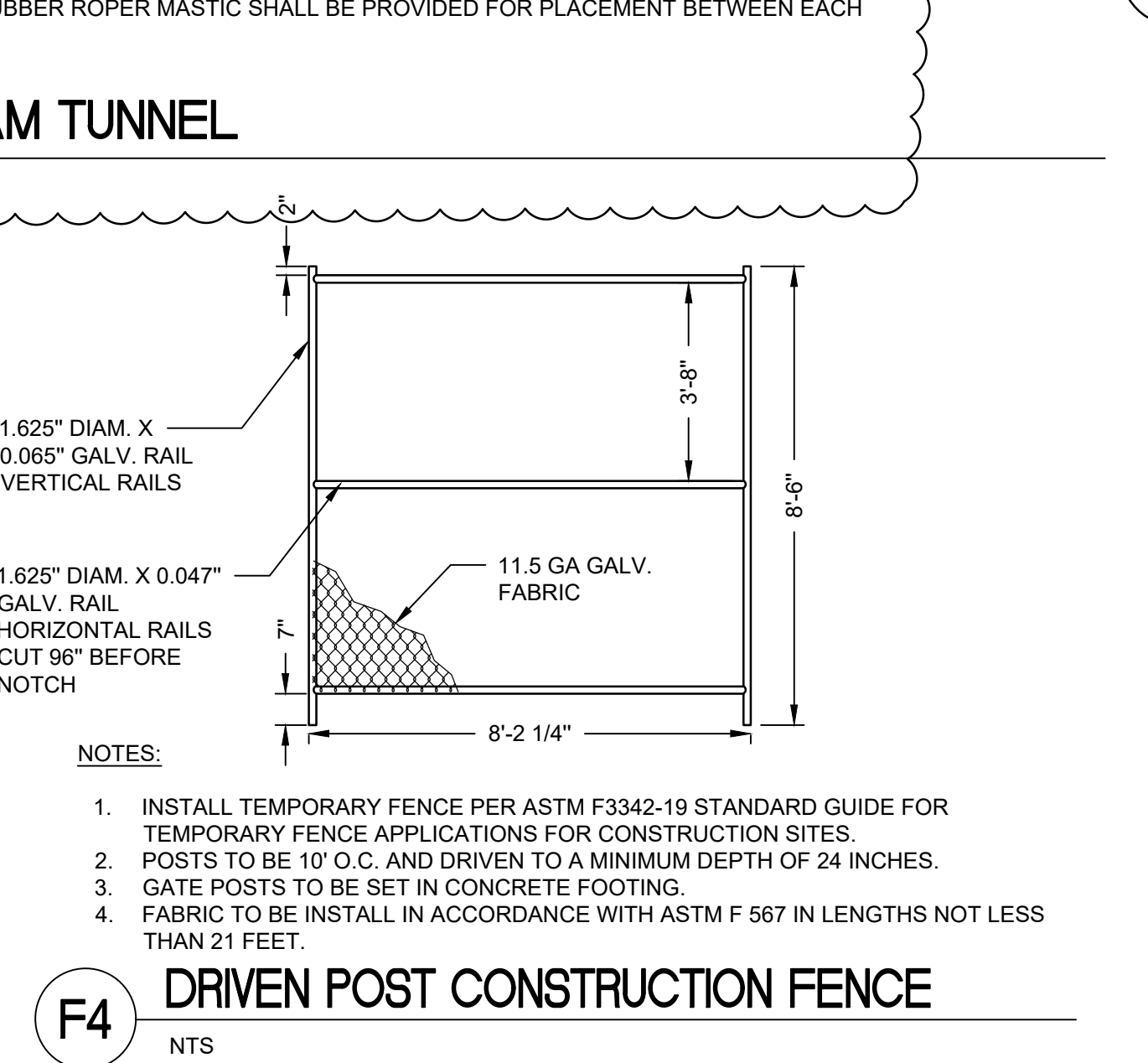
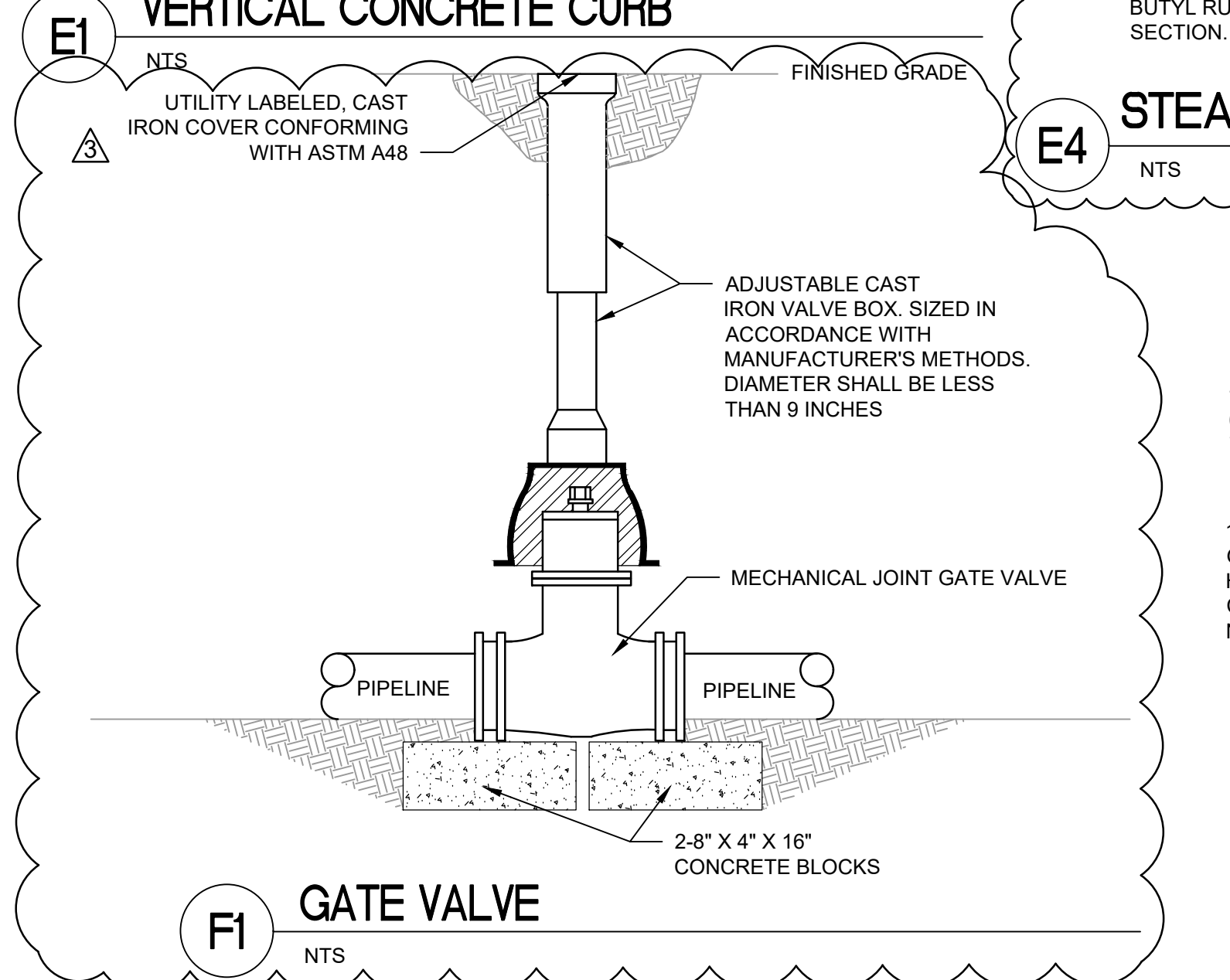
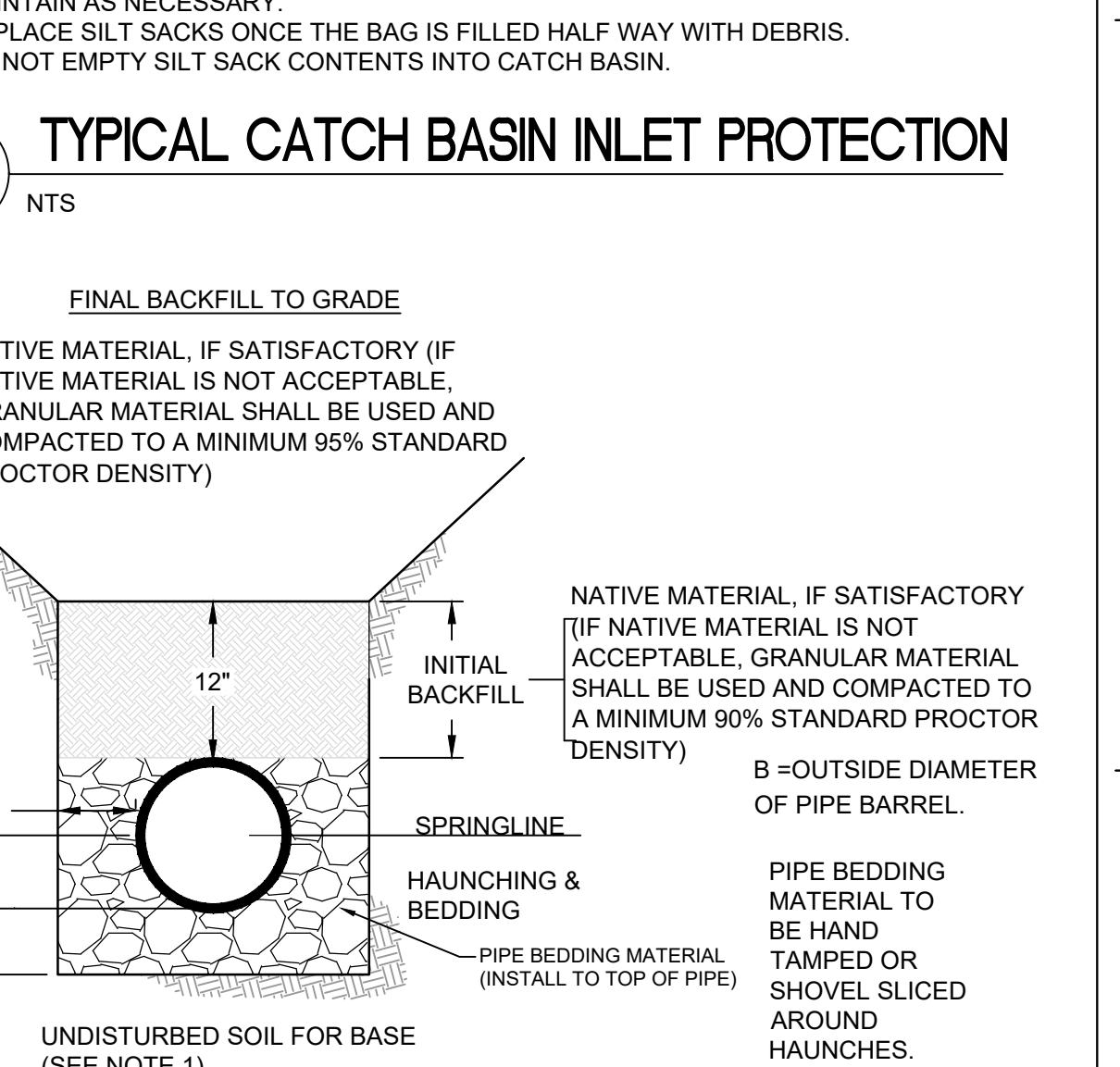
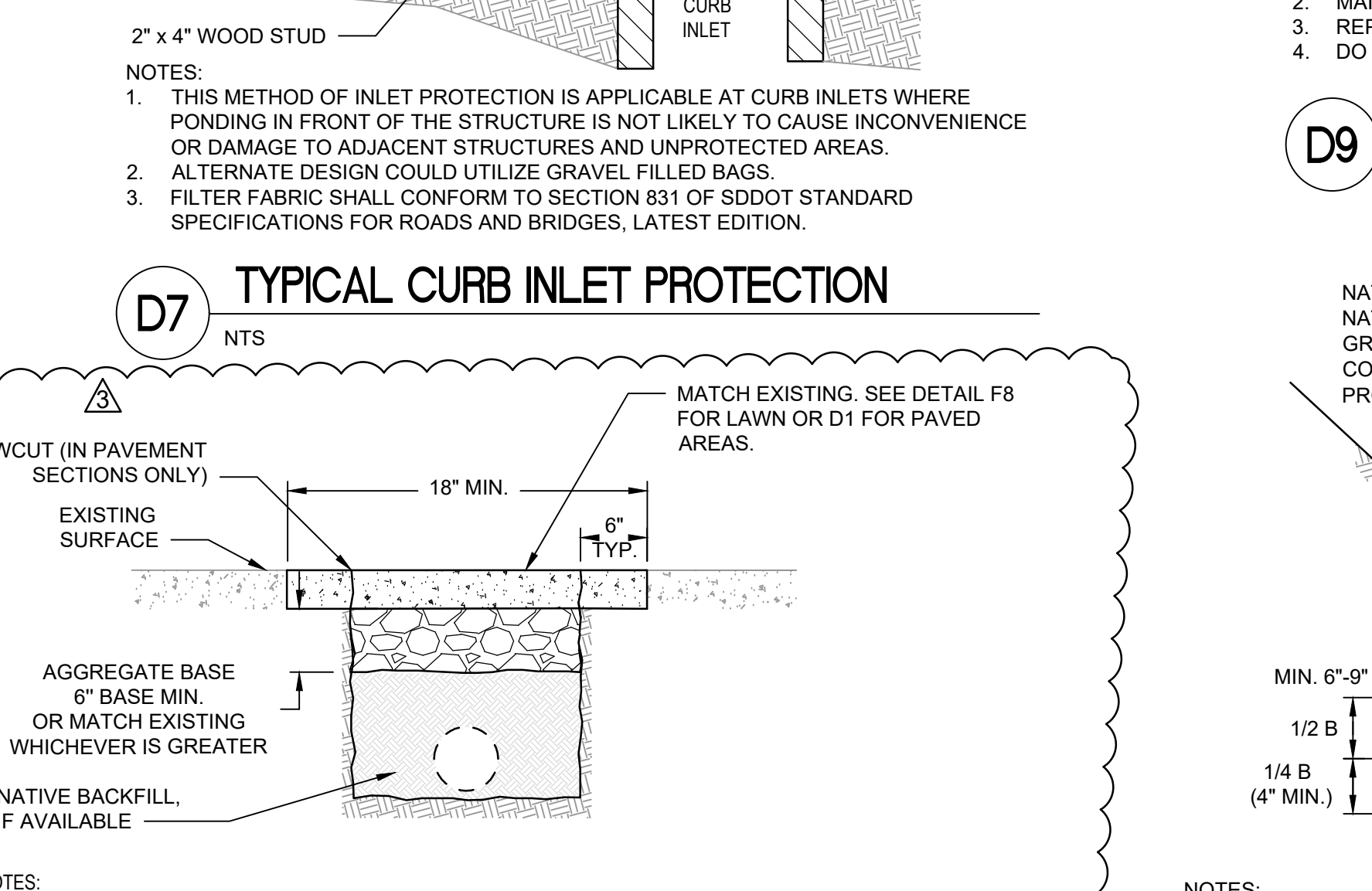
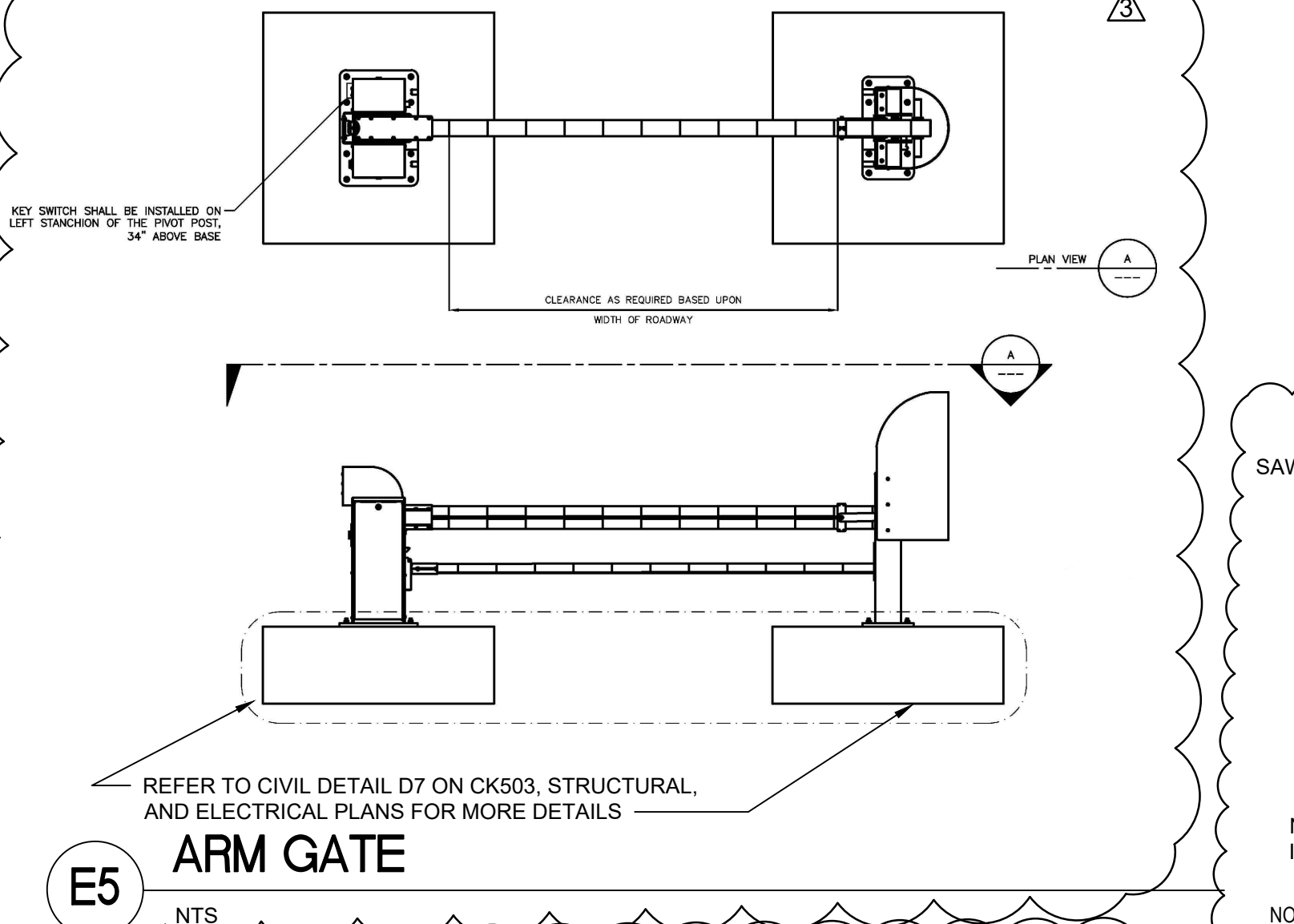
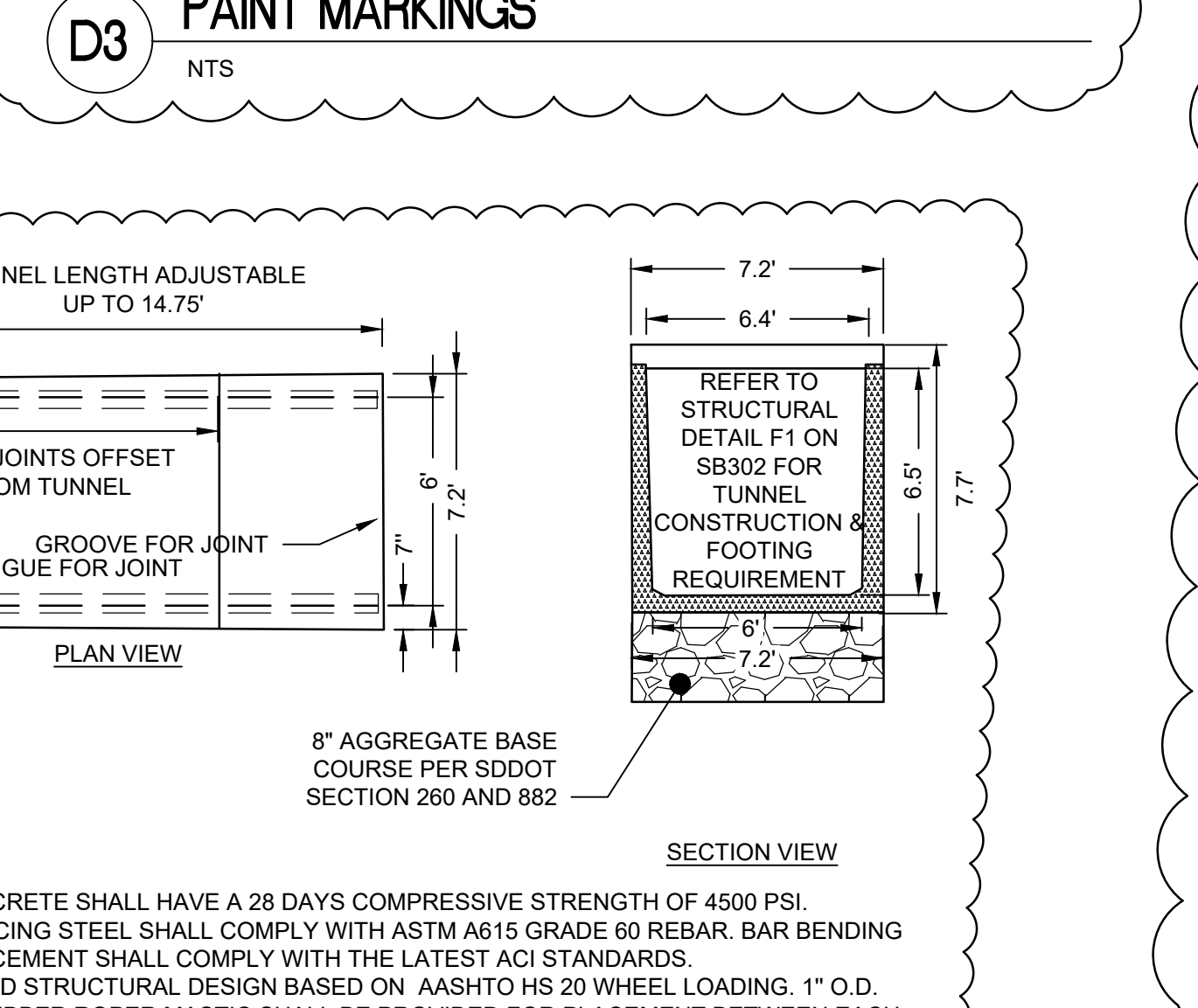
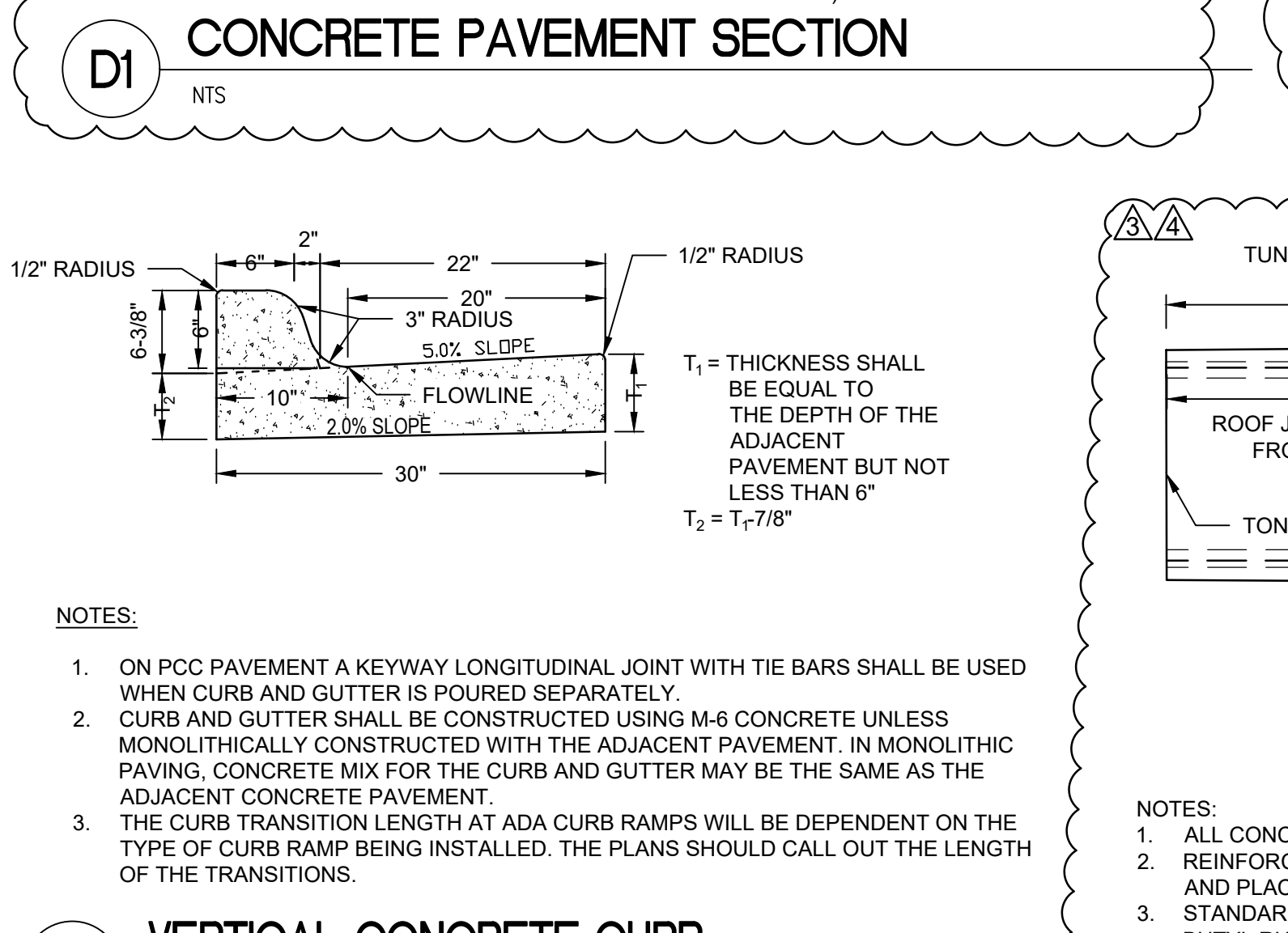
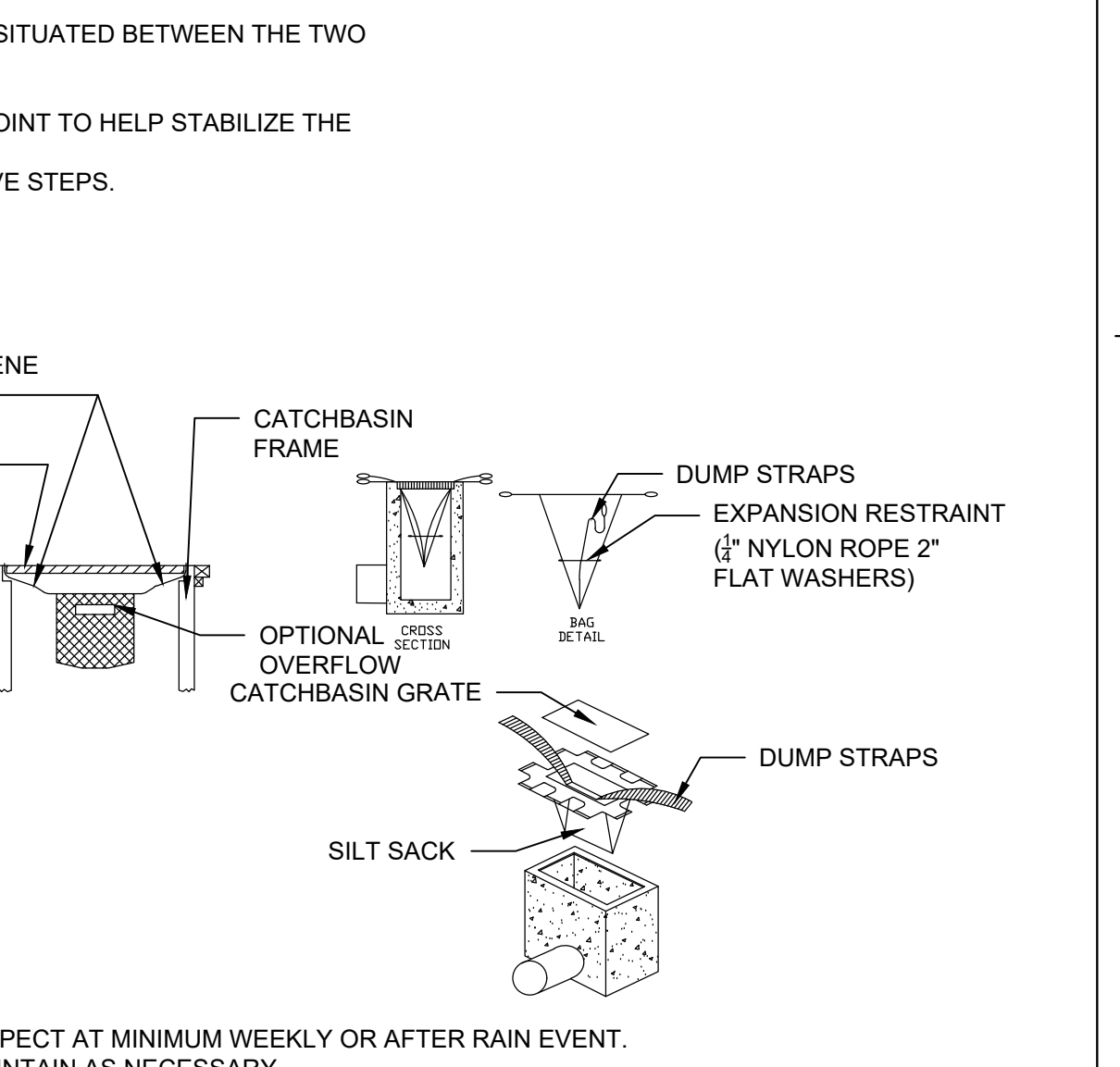
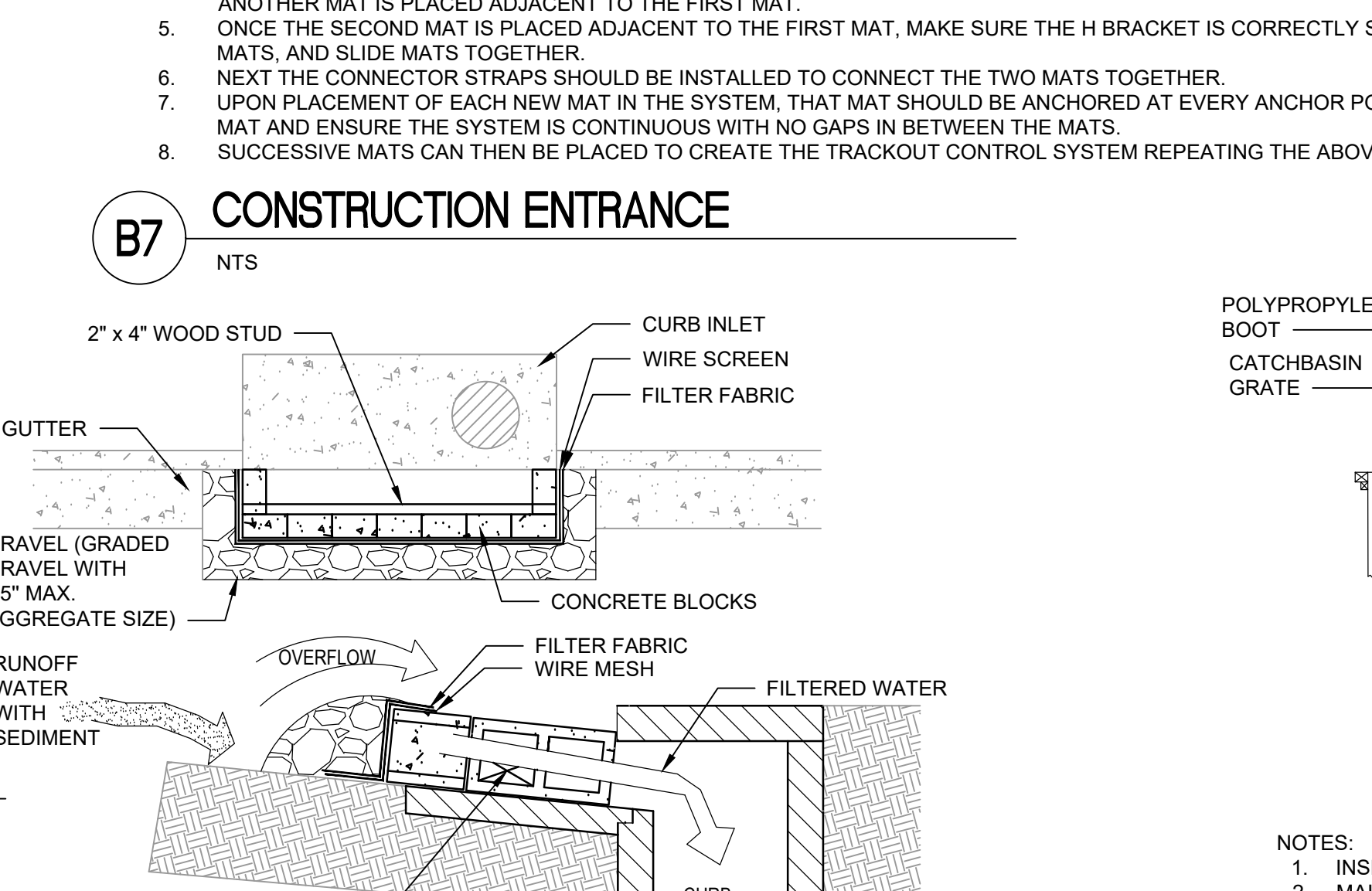
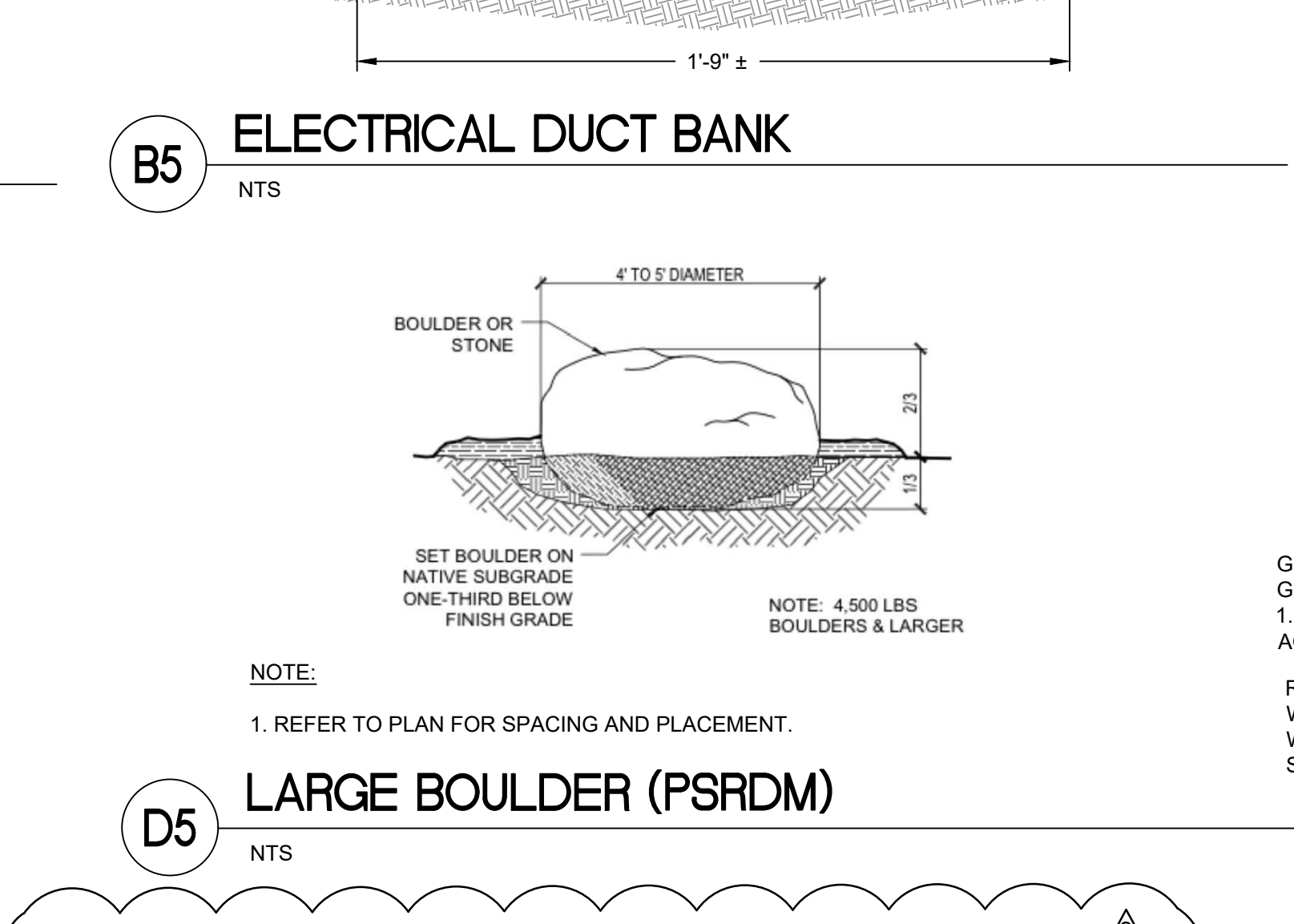
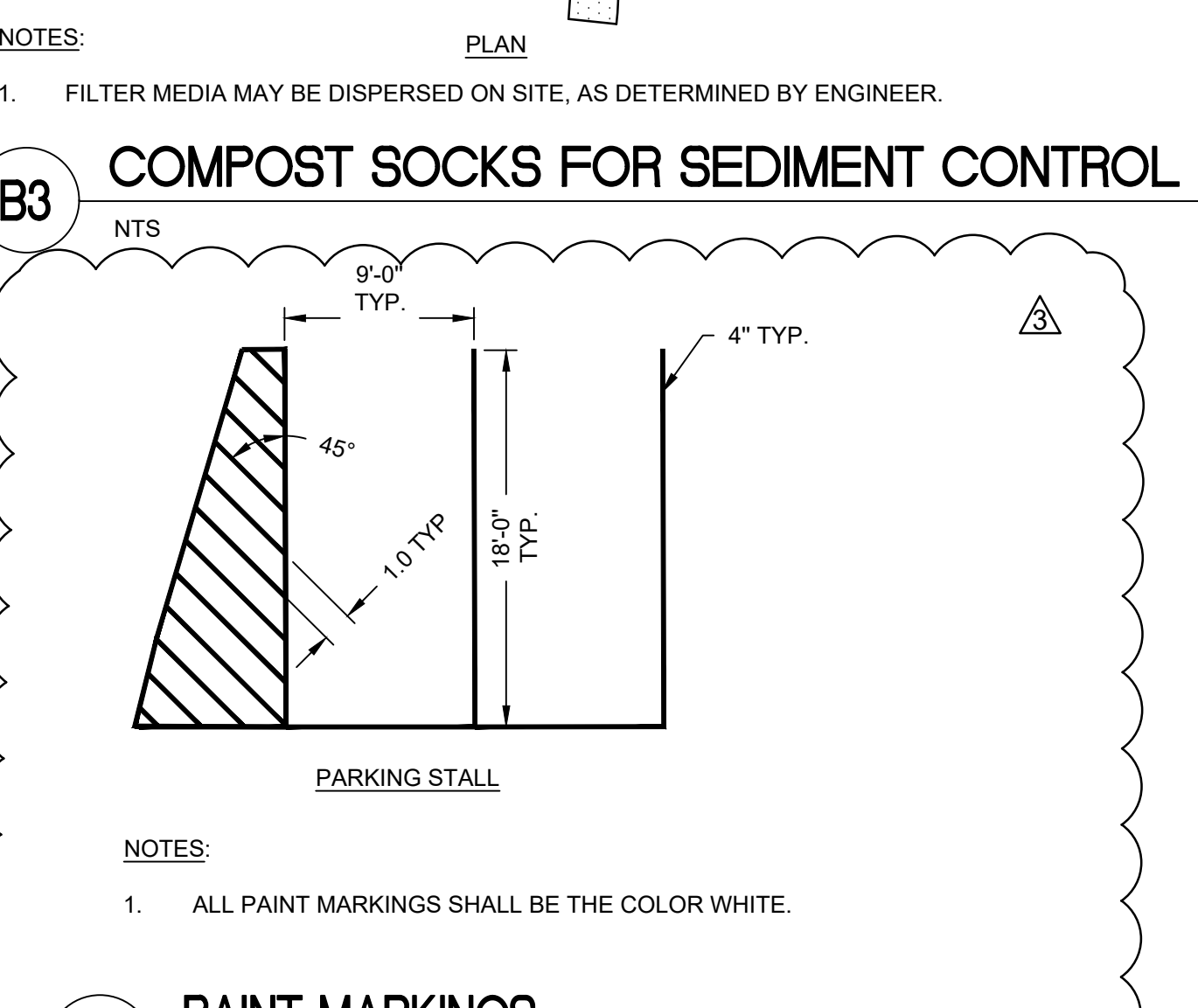
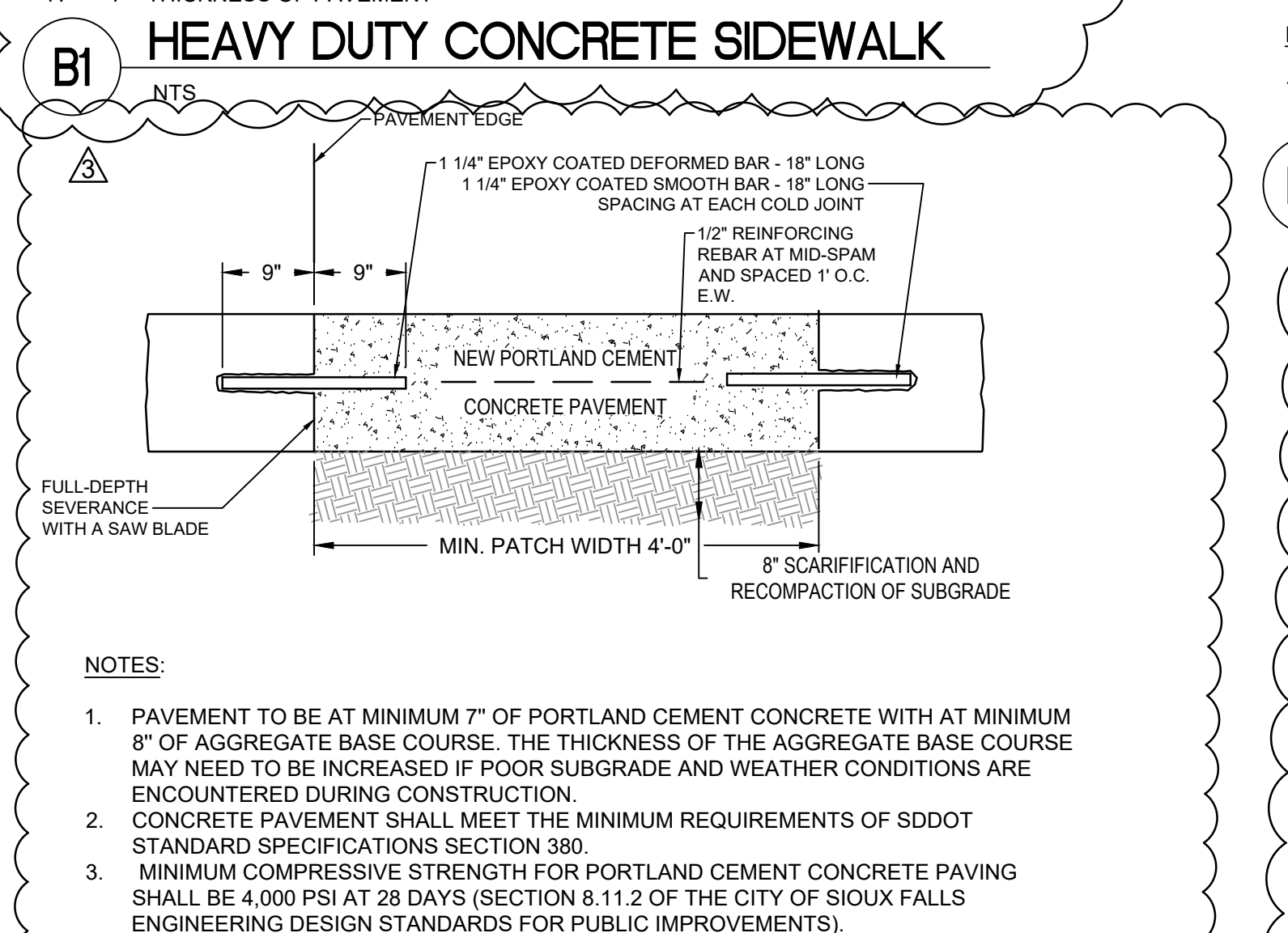
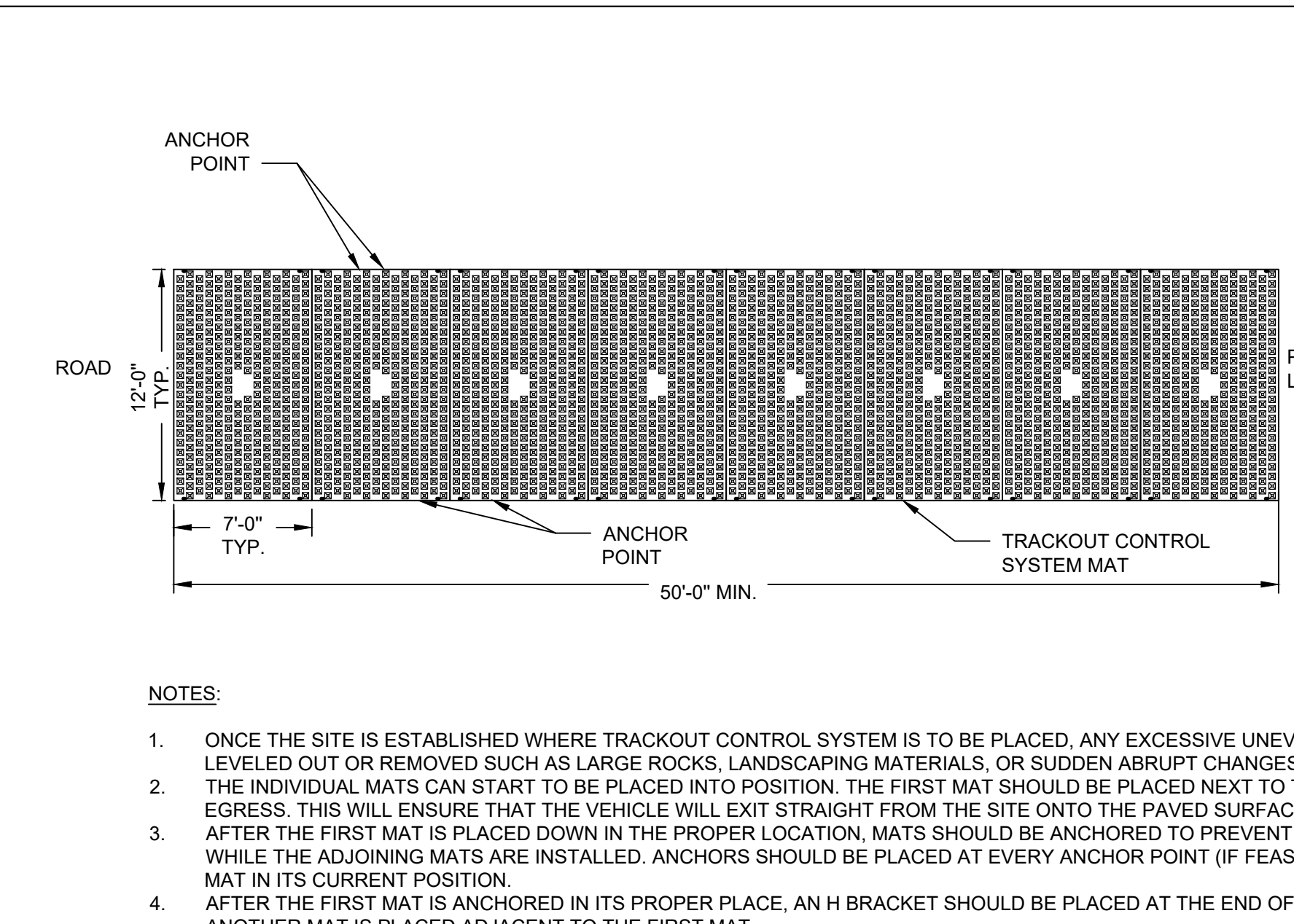
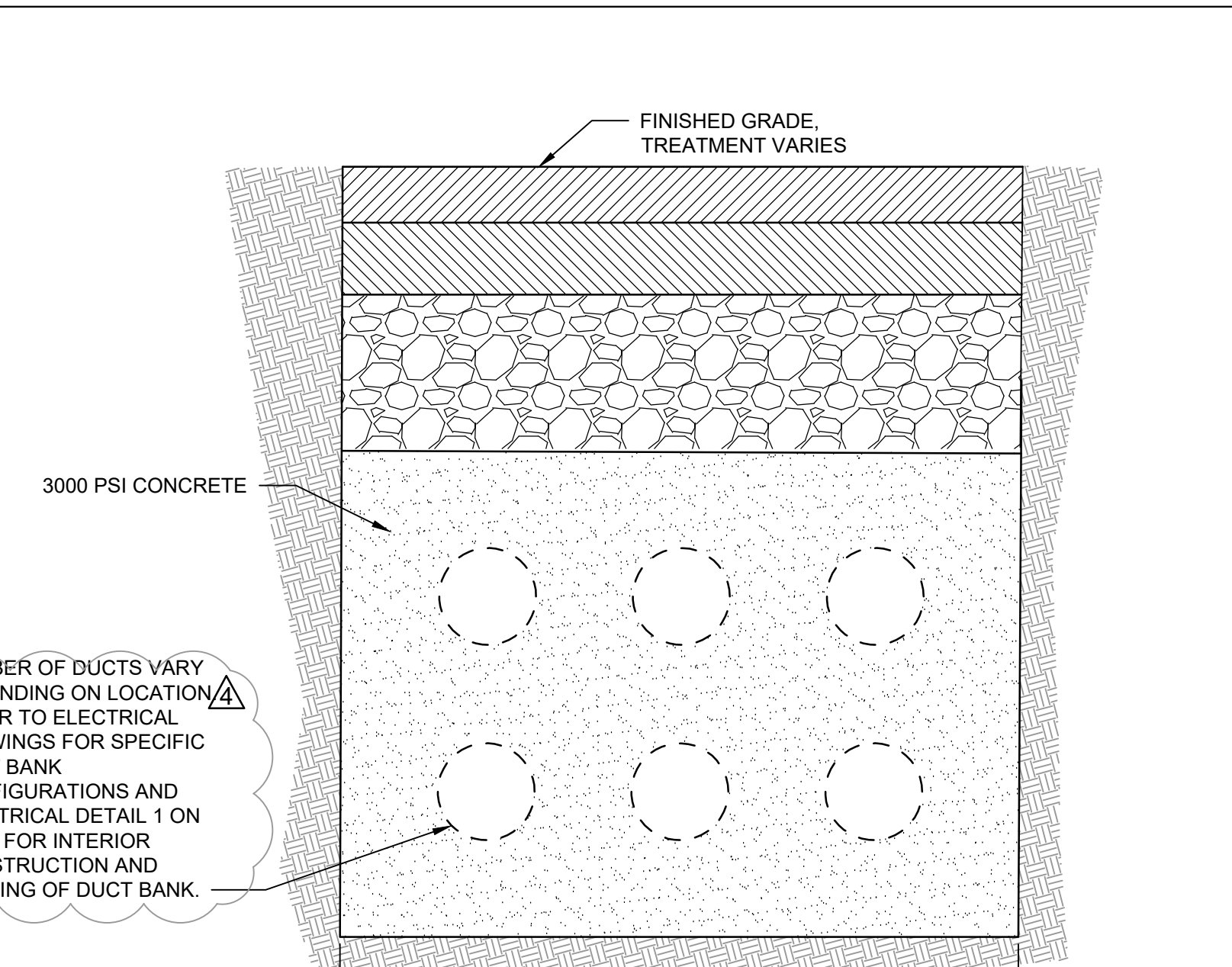
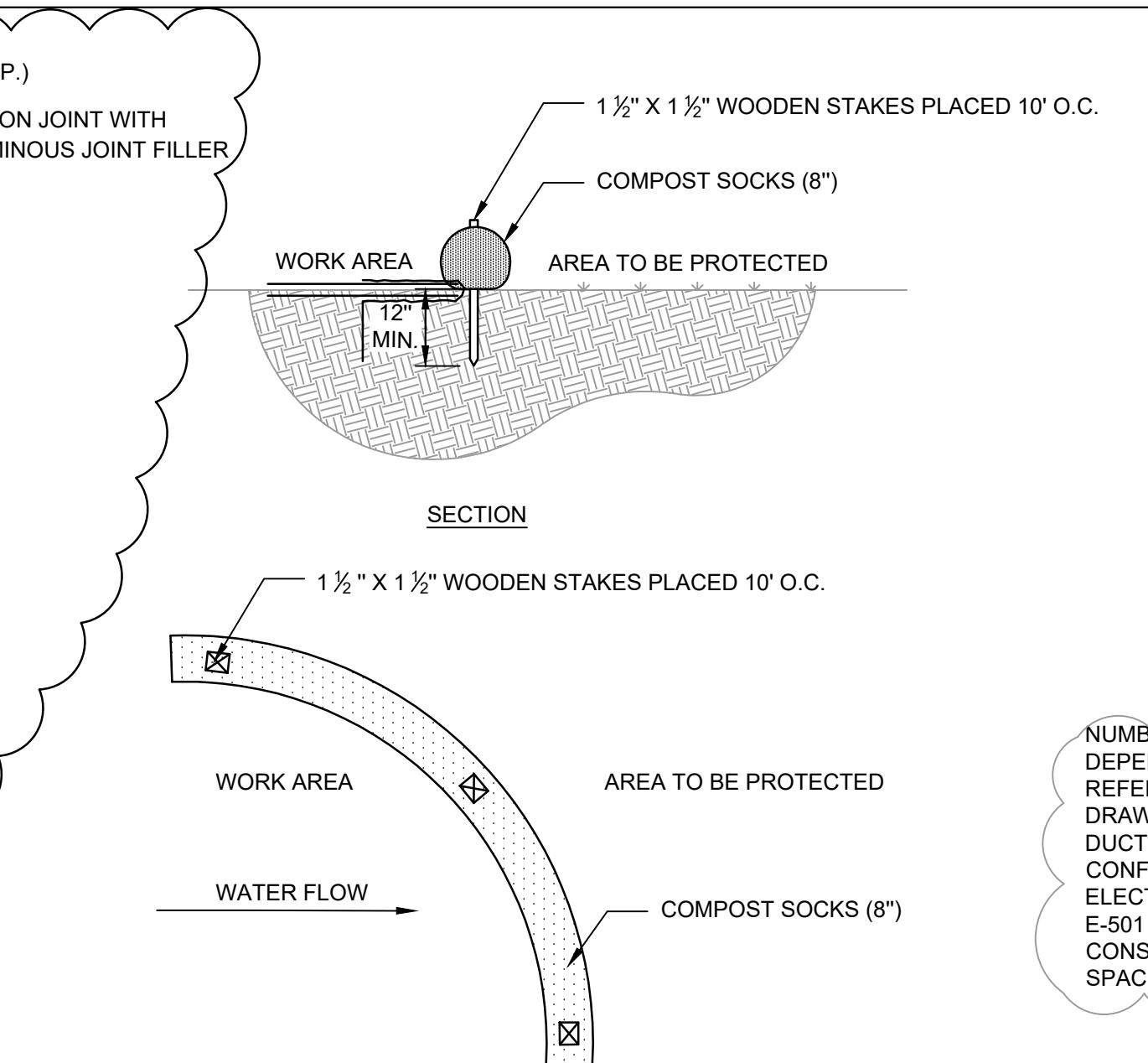
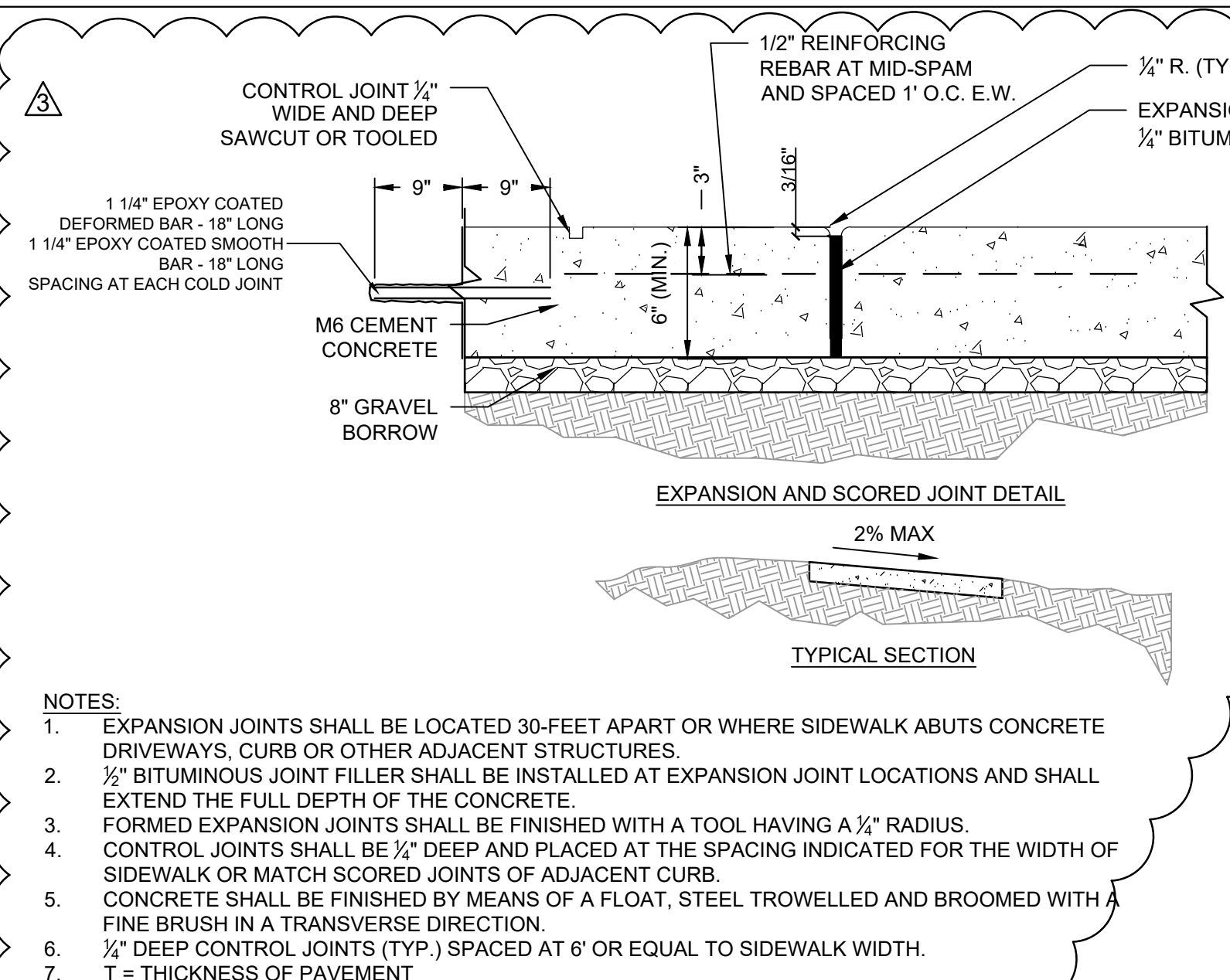
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Drawing Number

CJ301

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Revisions: ADDENDUM 3 ADDENDUM 2 (NO CHANGES TO THIS SHEET) ADDENDUM 1 (NO CHANGES TO THIS SHEET)		Date: 01-17-2025 09-12-2024 08-09-2024						Checked RBB Drawn EG	

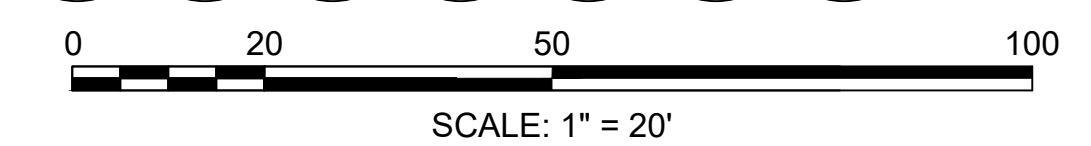


NOTES

- REFER TO DRAWING C-001 FOR CIVIL LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
- REFER TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, FIRE PROTECTION, AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.
- REFER TO CIVIL UTILITY PROFILE SHEETS, C.J301 AND C.J302.
- LOCATION OBTAINED FROM VA, V.I.F. 4-INCH HIGH PRESSURE NATURAL GAS. V.I.F.
- REFER TO SPECIFICATIONS FOR PERFORMANCE REQUIREMENTS.
- REFER TO PLUMBING PLANS PL101 AND PL201 FOR WATER LINE CONFIGURATION IN TUNNEL.
- WATER LINE TO BE CONNECTED TO EXISTING WATER TOWER LINE. REFER TO SHEET CU102 FOR CONTINUATION AND CU103 FOR PHASING.
- UTILITIES SHOWN IN THIS LOCATION WERE BEYOND THE LIMIT OF WORK FOR TOPOGRAPHIC SURVEY ACTIVITIES. CONTRACTOR IS REQUIRED TO VERIFY ALL LOCATIONS IN FIELD.
- CONTRACTOR REQUIRED TO VERIFY IN FIELD UTILITY MANHOLE.
- REFER TO CS101 FOR PHASING.
- UTILITY LOCATIONS WITHIN THIS LOCATION WERE BEYOND THE SCOPE OF SURVEY. CONTRACTOR TO VERIFY ALL UTILITIES IN FIELD.
- TRENCHING, LAYING OF CONCRETE CELL DUCT, AND PREP FOR INSTALLATION IS TO BE DONE PRIOR TO TUNNEL INSTALLATION AND DEMOLITION OF EXISTING MEDIUM VOLTAGE LINE. UPON APPROVAL FOR OUTAGE DURING INSTALLATION OF JUNCTION BOX 3 (REFER TO ELECTRICAL PLANS), EXISTING MEDIUM VOLTAGE LINE FEEDER TO BE DISCONNECTED AND NEW MEDIUM VOLTAGE LINE FEEDER TO BE CONNECTED (REFER TO ELECTRICAL PLANS FOR REQUIREMENTS). AFTER CONNECTION IS COMPLETE, DEMOLITION OF EXISTING MEDIUM VOLTAGE LINE CAN COMMENCE.
- PROTECT EXISTING UTILITIES IN PLACE DURING CONSTRUCTION OF REPLACEMENT UTILITIES.
- REFER TO MECHANICAL SHEET MD101 FOR SOFT WATER CONNECTION IN TUNNEL.

KEY NOTES

- FURNISH AND INSTALL 6-INCH PVC SEWER SERVICE (DETAIL E9, CK501).
- FURNISH AND INSTALL GATE VALVE AND 8-INCH PVC WATER MAIN (DETAIL F1, CK501 AND DETAIL D5, CK502).
- FURNISH AND INSTALL HDPE DRAIN PIPE (DETAIL C9, CK502).
- FURNISH AND INSTALL ELECTRICAL DUCT BANK (SEE NOTE 2 AND DETAIL B5, CK501).
- FURNISH AND INSTALL 73,929 GALLONS OF WATER STORAGE. TANKS: (2) 40,000 GALLON 54'-4" X 12' UNDERGROUND FRP WATER STORAGE TANKS (DETAIL B1, CK502).
- FURNISH AND INSTALL 68,031 GALLONS OF FUEL OIL STORAGE. TANKS: (2) 54'-4" X 12' UNDERGROUND FRP DOUBLE WALLED FUEL OIL STORAGE TANKS (DETAIL F1, CK502).
- FURNISH AND INSTALL COMMUNICATIONS CABLING. SEE NOTE 2.
- FURNISH AND INSTALL FUEL PIPING AND REMOTE FILL WITH AUDIBLE ALARM. SEE NOTE 2 AND DETAIL F7, CK501.
- FURNISH AND INSTALL STEAM MANHOLE (DETAIL F1, CK503).
- FURNISH AND INSTALL DRAIN MANHOLE WITH LOCKABLE COVER (DETAILS F7, CK502 AND C5, CK503).
- FURNISH AND INSTALL CATCH BASIN (DETAIL F5, CK502).
- FURNISH AND INSTALL DUPLEX SUBMERSIBLE PUMPS AND CONTROLS. REFER TO SHEETS PL101, PL600, AND SPECIFICATION 33.16.00.
- FURNISH AND INSTALL 4-INCH FIRE PROTECTION LINE FOR BACKUP WATER PROVIDED BY WATER TOWER. SEE NOTE 2.
- FURNISH AND INSTALL CONCRETE COMMUNICATIONS MANHOLE. REFER TO ELECTRICAL DETAILS.
- FURNISH AND INSTALL WALL INDICATOR VALVE (DETAIL B7, CK503).
- FURNISH AND INSTALL MEDIUM VOLTAGE DUCT BANK. REFER TO NOTE 2 AND E-501 DETAIL 1 FOR DUCT BANK CONFIGURATION.
- FURNISH AND INSTALL COMMUNICATION DUCT BANK. REFER TO NOTES 2, 13, AND ELECTRICAL DETAIL 1 ON E-501.



1 CIVIL UTILITY PLAN
 Scale: 1" = 20'

Revisions:	Date:
ADDENDUM 4	02-10-2025
ADDENDUM 3	01-17-2025
ADDENDUM 2	09-12-2024
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