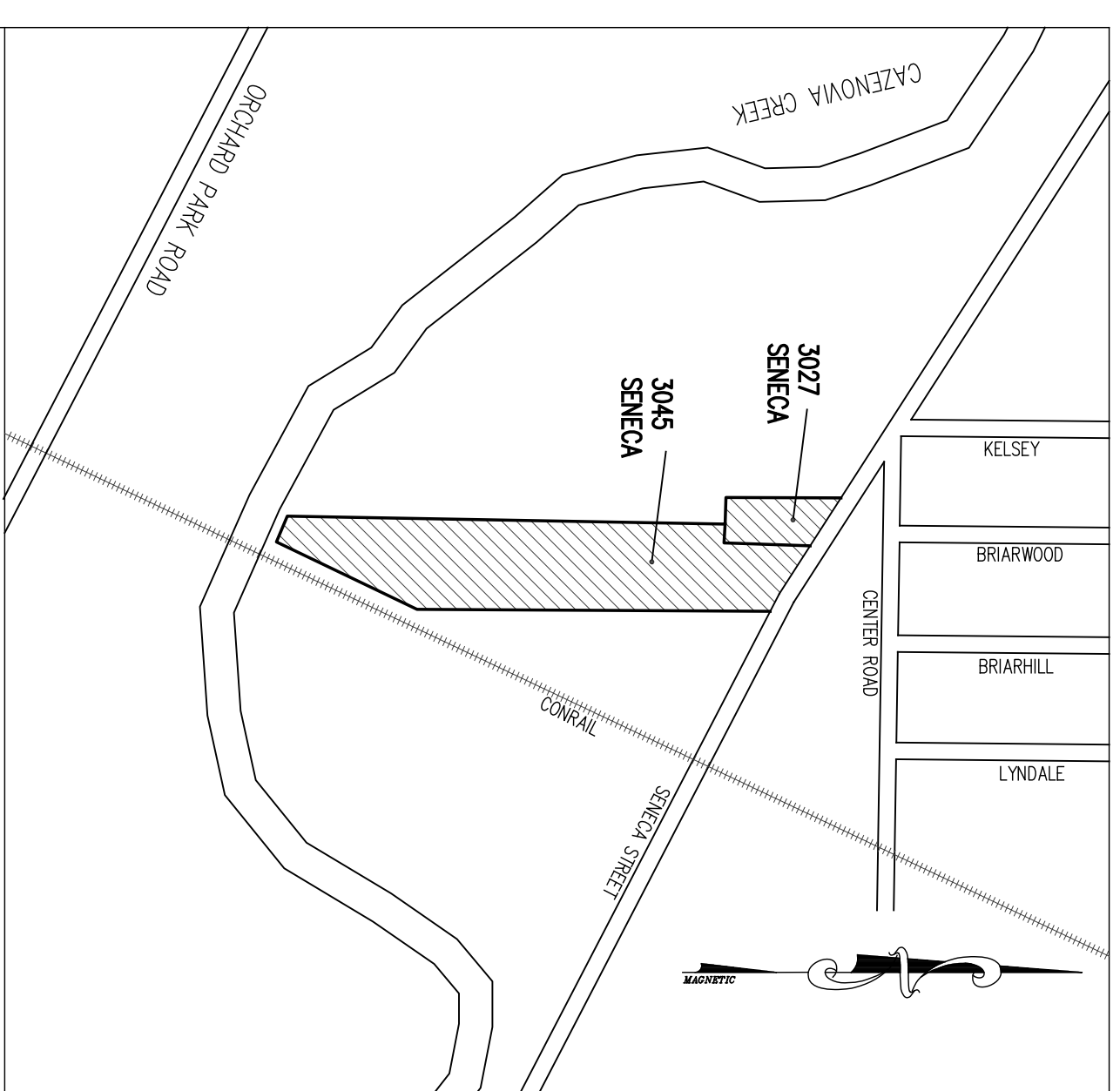


3027 & 3045 SENECA STREET

MIXED USE DEVELOPMENT

TOWN OF WEST SENECA, ERIE COUNTY, NEW YORK



LOCATION MAP
NTS

SCHEDULE OF DRAWINGS:

- 1 CS-1 COVER SHEET
- 2 PS-1 PROPERTY SURVEY
- 3 SP-1 SITE PLAN
- 4 GD-1 GRADING & DRAINAGE PLAN
- 5 GD-2 GRADING & DRAINAGE PLAN
- 6 SS-1 SANITARY, WATER AND ESC PLAN
- 7 SS-2 SANITARY, WATER AND ESC PLAN
- 8 DT-1 DETAILS
- 9 DT-2 DETAILS
- 10 DT-3 DETAILS
- 11 DT-4 DETAILS
- 12 DT-5 DETAILS

OWNER:

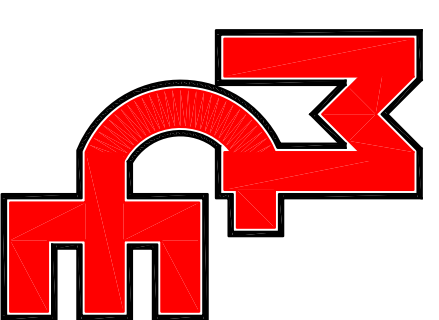
DR. GREGORY PHILLIPS
101 OAKGROVE DRIVE
WILLIAMSVILLE, NEW YORK 14221

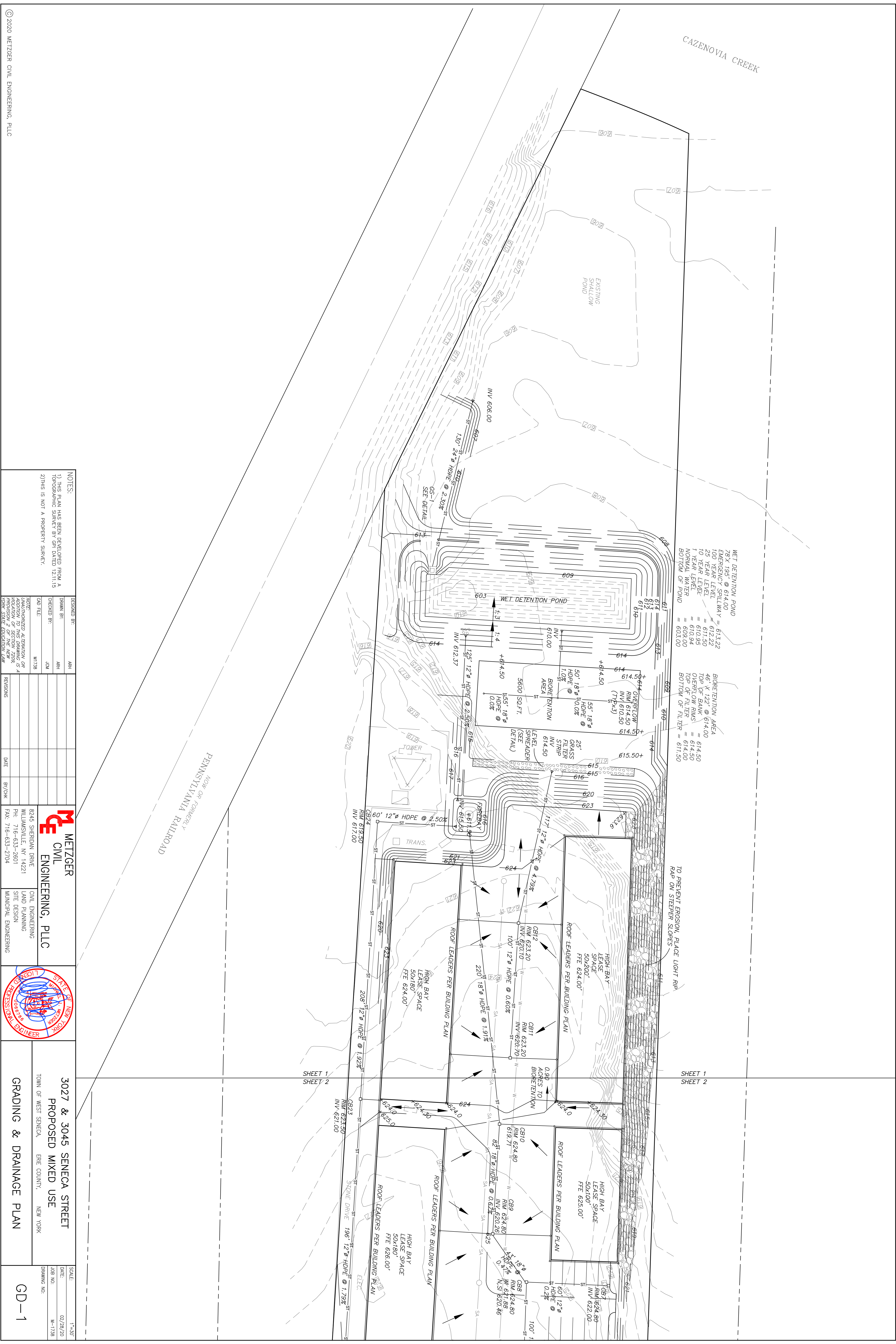
CIVIL ENGINEER:

METZGER CIVIL ENGINEERING, PLLC.
8245 SHERIDAN DRIVE
WILLIAMSVILLE, NEW YORK 14221

PHONE No. (716) 633-2601
FAX No. (716) 633-2704
METENG@ROADRUNNER.COM

METZGER CIVIL ENGINEERING, PLLC





WET DETENTION POND
 78' X 195' @ 614.00
 EMERGENCY SPILLWAY = 613.22
 100 YEAR LEVEL = 612.22
 25 YEAR LEVEL = 610.95
 10 YEAR LEVEL = 610.94
 NORMAL SLOPE = 609.00
 BOTTOM OF POND = 603.00

BIORETENTION AREA
 46' X 122' @ 614.00
 1.0% OF BANK = 614.50
 TOP OF FILTER = 614.50
 BOTTOM OF FILTER = 611.50

TO PREVENT EROSION, PLACE LIGHT RIP RAP ON SHEEPER SLOPES

SHEET 1
 SHEET 2

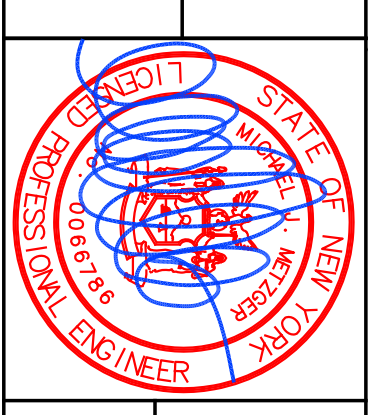
SHEET 1
 SHEET 2

NOTES:
 1) THIS PLAN HAS BEEN DEVELOPED FROM A FORGING SURVEY BY GFI DATED 12.11.13
 2) THIS IS NOT A PROPERTY SURVEY.

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DRAWN BY:	AMH
CHECKED BY:	JAM
DATE:	02/28/20

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 8245 SHERIDAN DRIVE
 WILLIAMSVILLE, NY 14221
 PH: 716-633-2601
 FAX: 716-633-2704

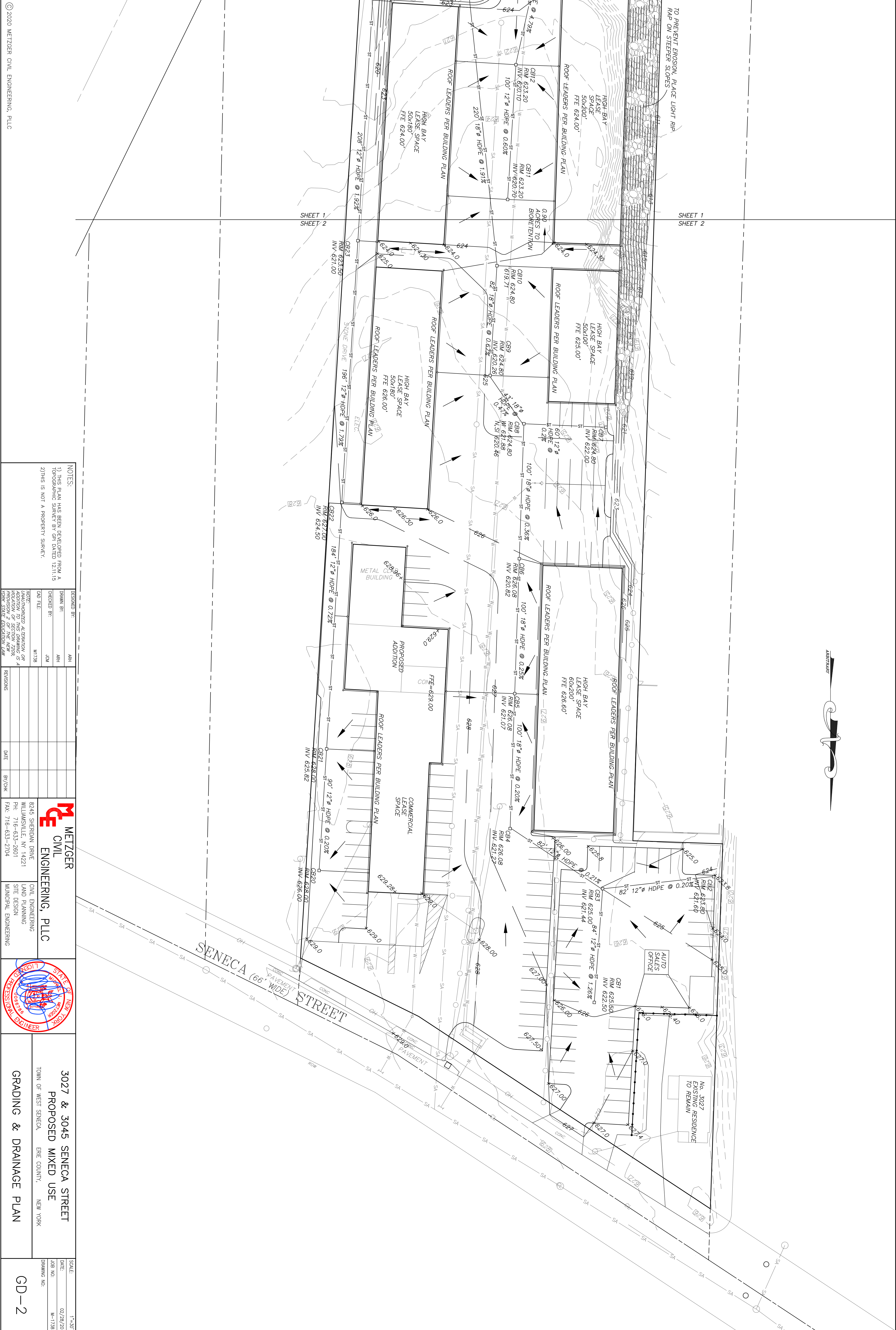
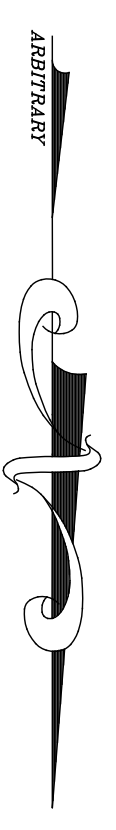


3027 & 3045 SENECA STREET
 PROPOSED MIXED USE
 TOWN OF WEST SENECA, ERIE COUNTY, NEW YORK

GRADING & DRAINAGE PLAN

SCALE: 1" = 30'
 DATE: 02/28/20
 JOB NO: M-1738
 DRAWING NO: GD-1

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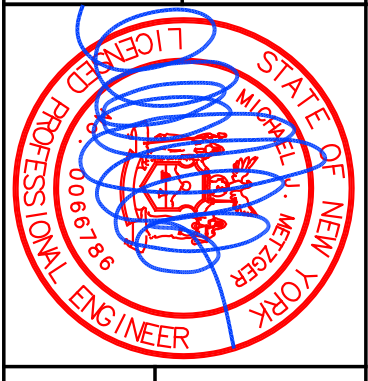


NOTES:
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 2) THIS IS NOT A PROPERTY SURVEY.

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DATE:	1/17/20

REVISIONS	DATE	BY/CHK

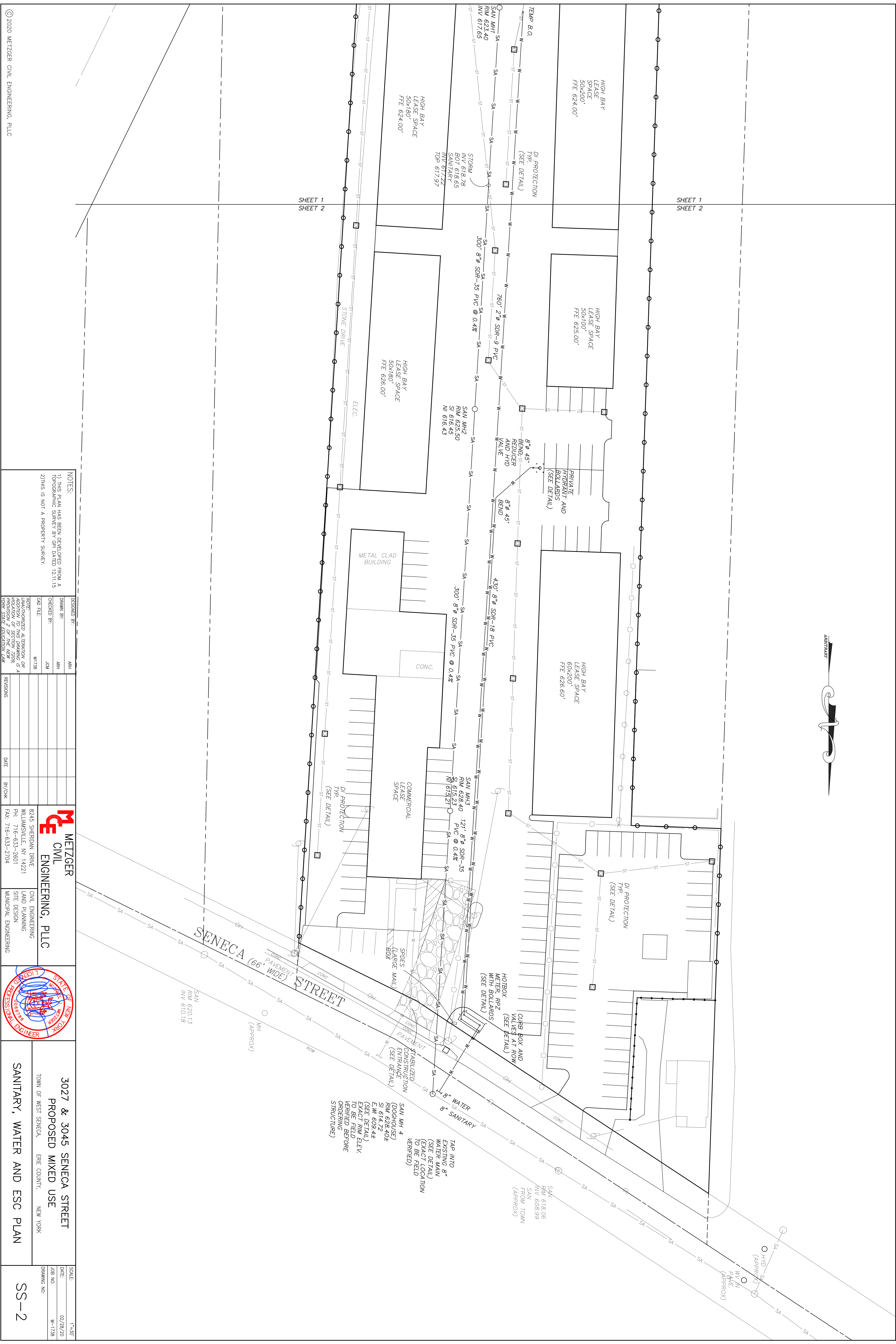
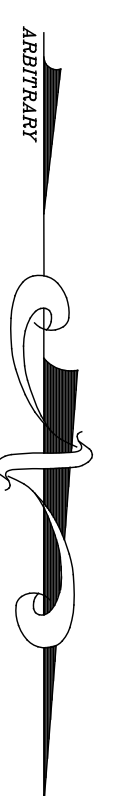
METZGER CIVIL ENGINEERING, PLLC
 8245 SHERIDAN DRIVE
 WILLIAMSVILLE, NY 14221
 PH: 716-633-7801
 FAX: 716-633-7014



3027 & 3045 SENECA STREET
 PROPOSED MIXED USE
 TOWN OF WEST SENECA, ERIE COUNTY, NEW YORK

GRADING & DRAINAGE PLAN

SCALE: 1"=30'
 DATE: 02/28/20
 JOB NO.: M-1738
 DRAWING NO.: GD-2



SHEET 1
SHEET 2

SHEET 1
SHEET 2

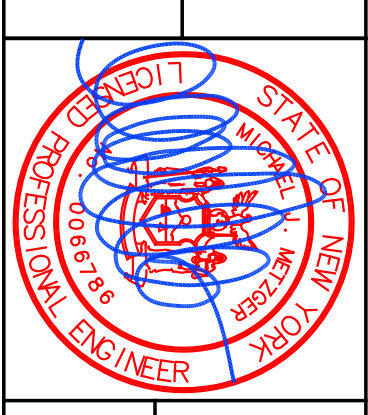
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 2) THIS IS NOT A PROPERTY SURVEY.

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CHECKED BY:	AMH
DATE:	JUN
PROJECT:	1738

REVISIONS	DATE	BY/CHK

METZGER CIVIL ENGINEERING, PLLC
 8245 SHERIDAN DRIVE
 WILLIAMSVILLE, NY 14221
 PH: 716-633-2801
 FAX: 716-633-2704

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 LAND PLANNING
 SITE DESIGN
 MUNICIPAL ENGINEERING

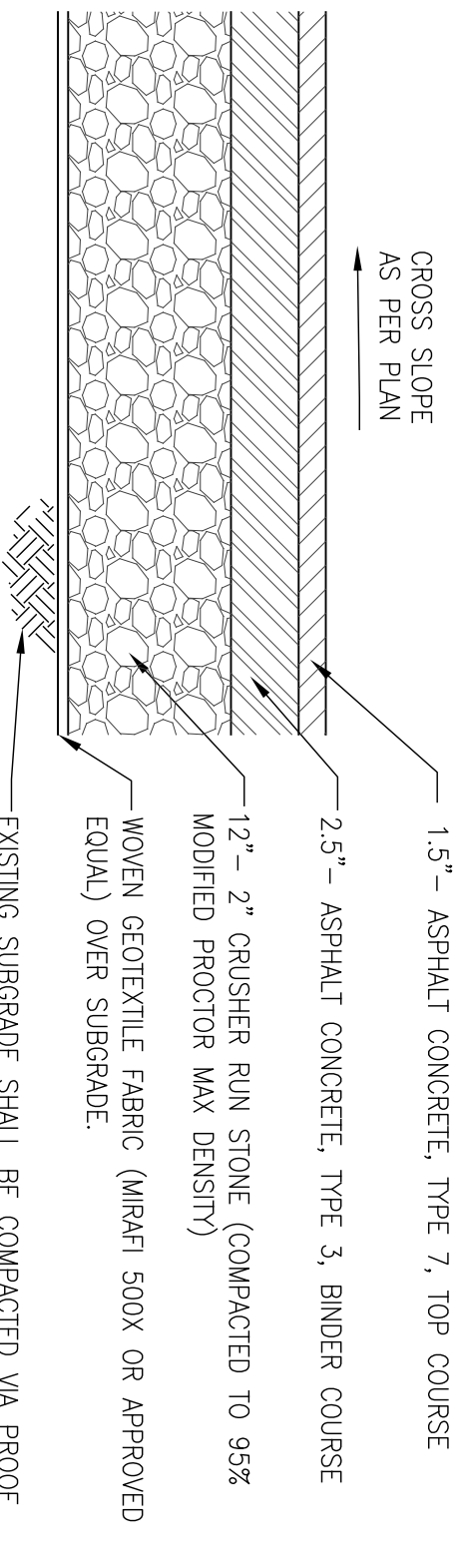


3027 & 3045 SENECA STREET
 PROPOSED MIXED USE
 TOWN OF WEST SENECA, ERIE COUNTY, NEW YORK

SANITARY, WATER AND ESC PLAN

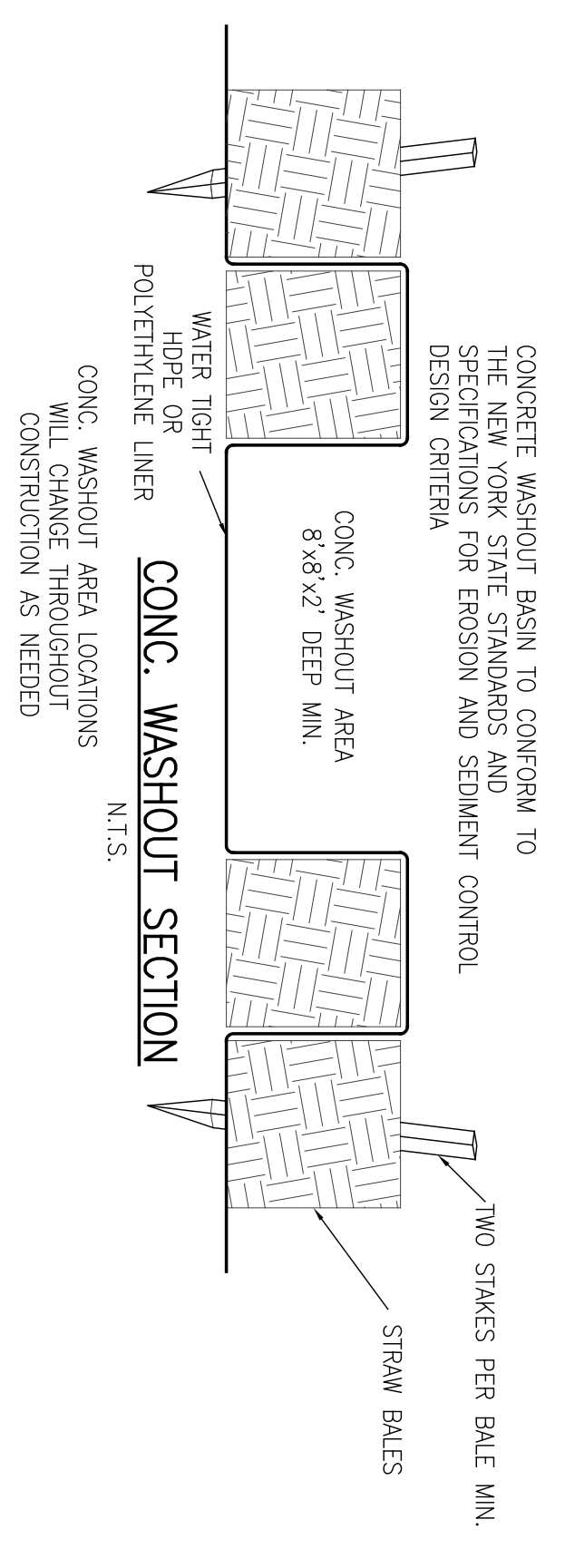
SCALE: 1"=30'

DATE:	02/28/20
JOB NO.:	M-1738
DRAWING NO.:	SS-2



ASPHALT PAVING SECTION
N.T.S.

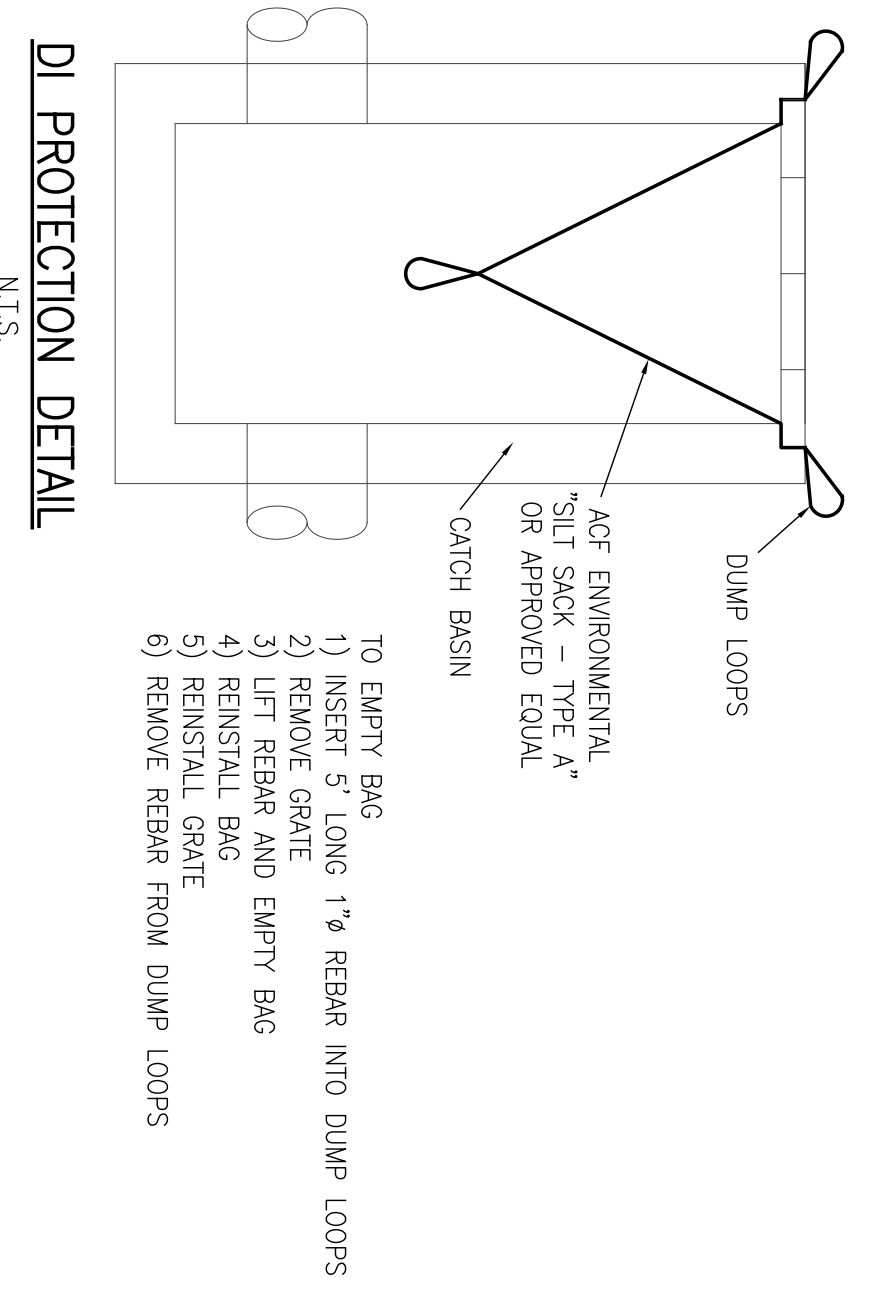
EXISTING SUBGRADE SHALL BE COMPACTED VIA PROOF ROLLING TO THE SATISFACTION OF THE ENGINEER. SHOULD FILL CONTAIN EXISTING SUBGRADE SHALL BE COMPACTED VIA PROOF ROLLING TO THE SATISFACTION OF THE ENGINEER.



CONC. WASHOUT SECTION
N.T.S.

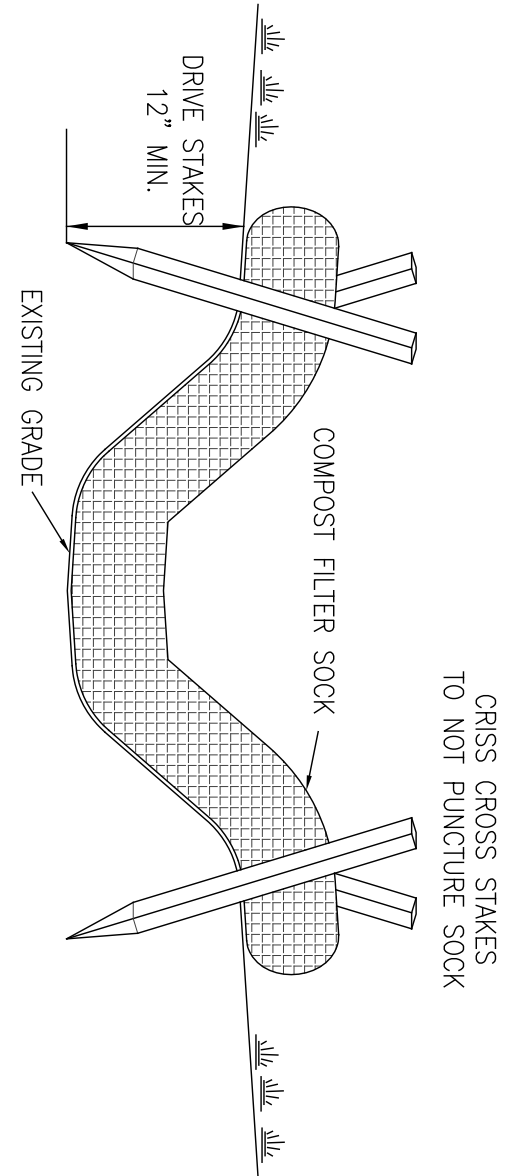
CONCRETE WASHOUT BASIN TO CONFORM TO THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL DESIGN CRITERIA

CONC. WASHOUT AREA LOCATIONS WILL CHANGE THROUGHOUT CONSTRUCTION AS NEEDED



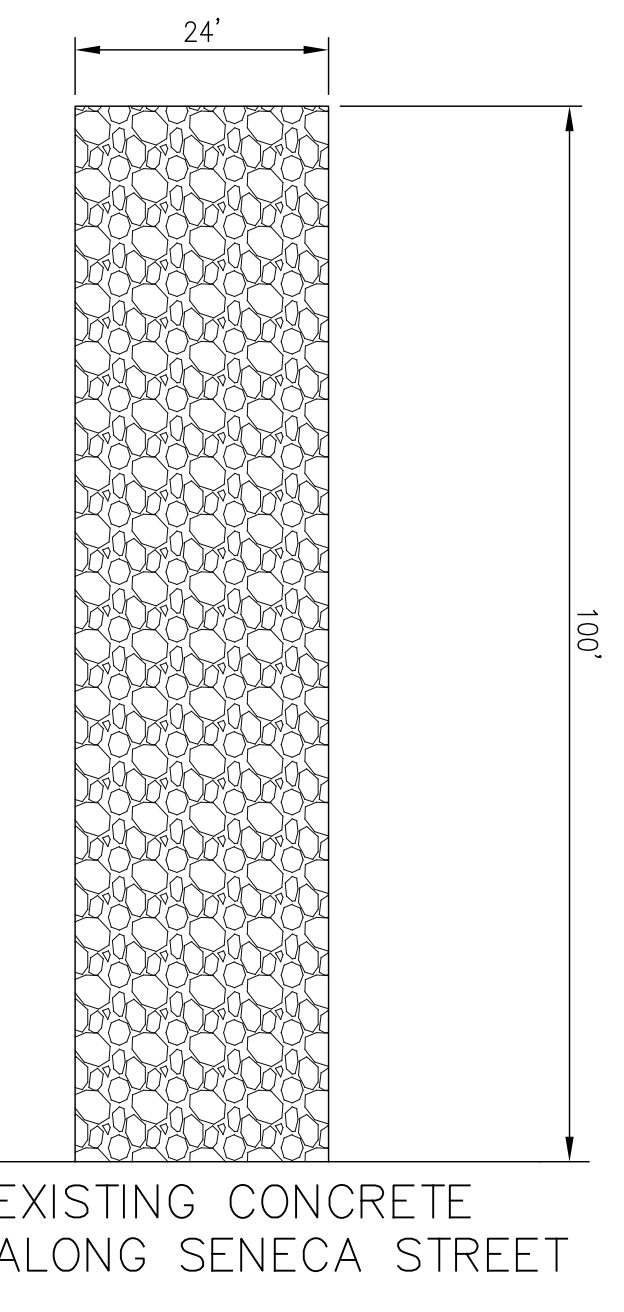
DI PROTECTION DETAIL
N.T.S.

- TO EMPTY BAG
- 1) INSERT 5" LONG 1" REBAR INTO DUMP LOOPS
 - 2) REMOVE GRATE
 - 3) LIFT REBAR AND EMPTY BAG
 - 4) REINSTALL GRATE
 - 5) REINSTALL BAG
 - 6) REMOVE REBAR FROM DUMP LOOPS



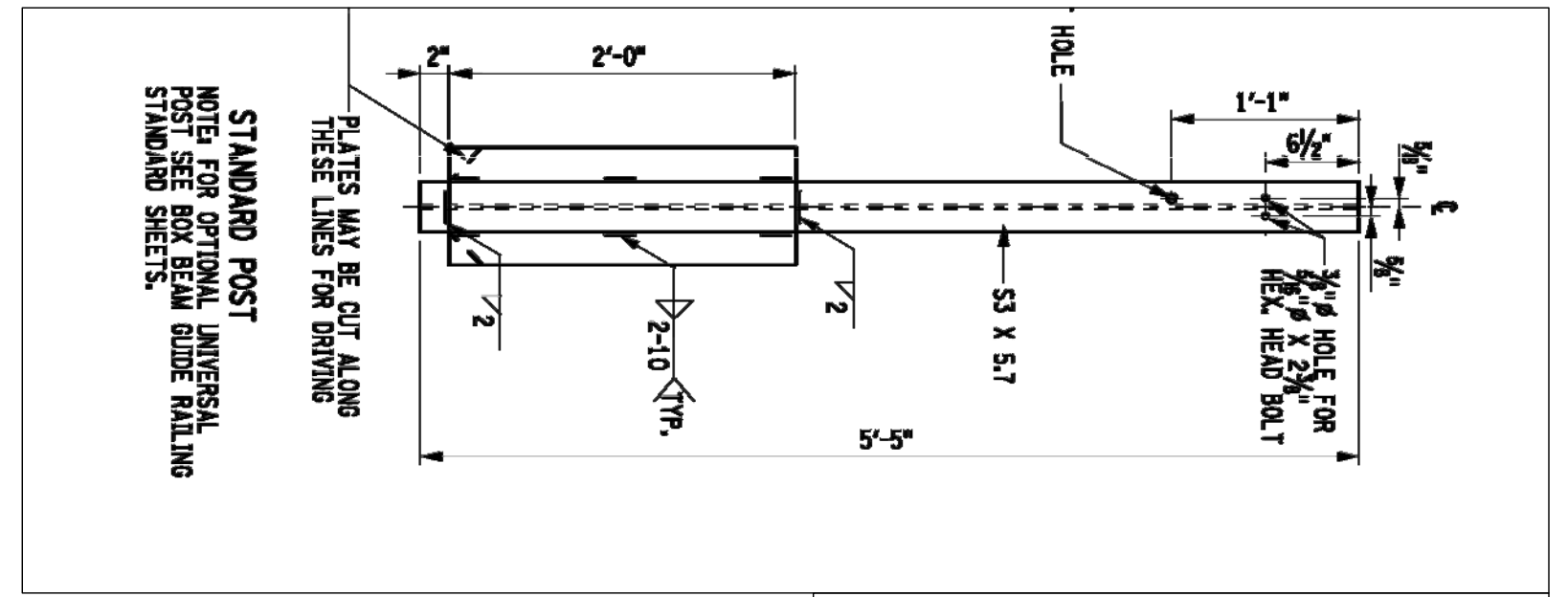
COMPOST FILTER "SILT" SOCK
N.T.S.

- NOTES:
1. COMPOST FILTER SOCK MUST CONFORM TO NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (EUBREX SILT SOCK OR APPROVED EQUAL)
 2. INSTALL 3" LONG 2"x2" HARDWOOD STAKES AT 10' INTERVALS OR AS SPECIFIED BY THE SOCK MANUFACTURER
 3. WOODEN STAKES TO BE INSTALLED IN A CRISS CROSS PATTERN SO AS NOT TO PUNCTURE THE SOCK
 4. WOODEN STAKES TO BE DRIVEN AT LEAST 12" INTO GROUND
 5. ABUTTING ENDS MUST BE OVERLAPPED TO PROVIDE CONTINUOUS PROTECTION.
 6. ALL SOCK SHALL BE 12"



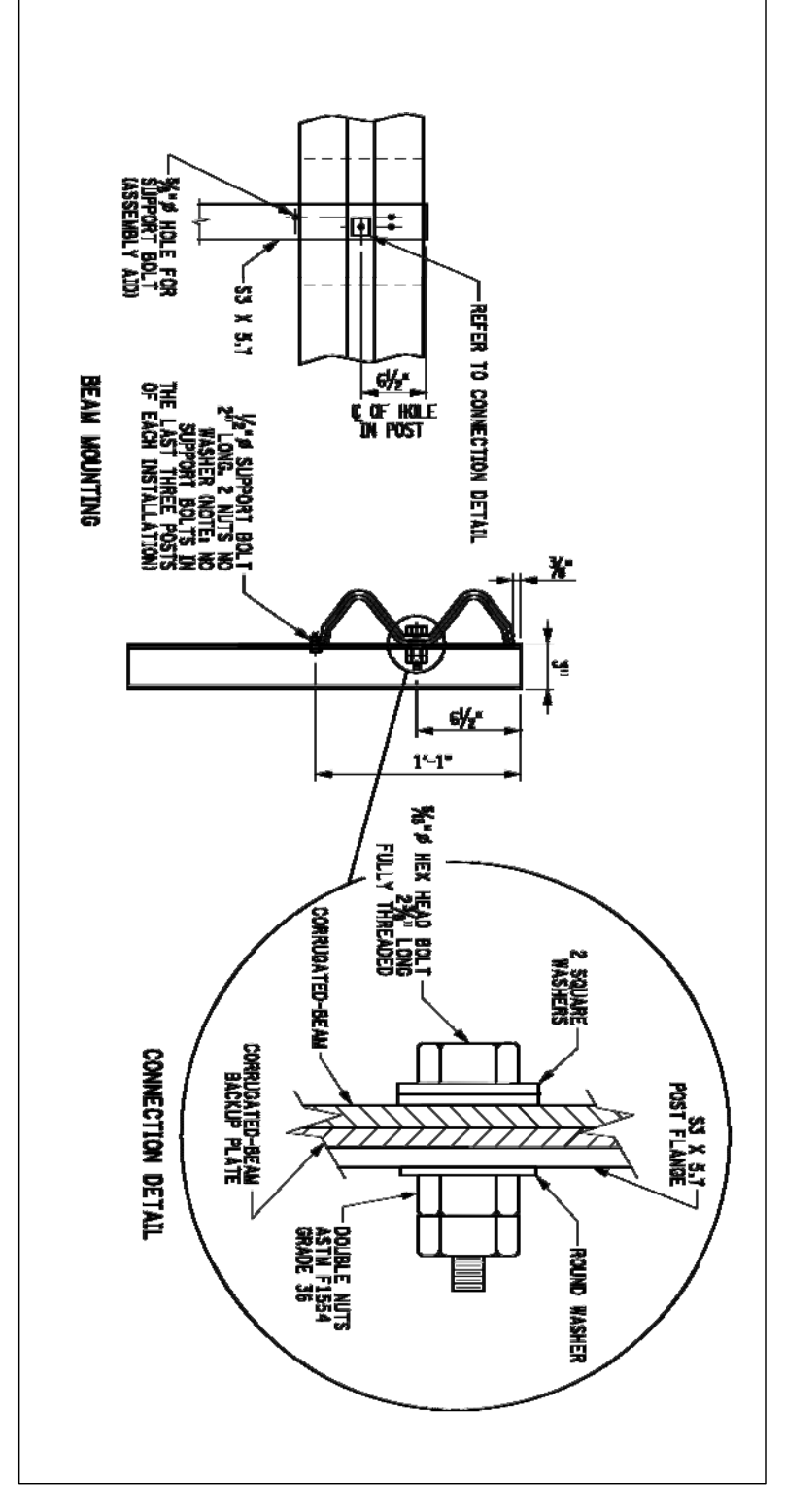
STABILIZED CONSTRUCTION ENTRANCE DETAIL
N.T.S.

- NOTES:
- CONSTRUCT A 100' X 24' STABILIZED CONSTRUCTION ENTRANCE BY:
- 1) REMOVE EXISTING PAVEMENT, STONE AND SOIL TO PROPOSED SUBGRADE.
 - 2) PROOFROLL SUBGRADE.
 - 3) PLACE GEOTEXTILE FABRIC.
 - 4) INSTALL 12" OF 2" ROC STONE TO ULTIMATELY SERVE AS DRIVEWAY SUBBASE
 - 5) SURFACE WATER-ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCE SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A SWALE OR MOUNTAINABLE BEAM WITH 5:1 SLOPES WILL BE PERMITTED.
 - 6) MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
 - 7) WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
 - 8) INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED CONTINUOUSLY DURING CONSTRUCTION.



STANDARD POST
N.T.S.

NOTE PER OPTIONAL UNIVERSAL STANDARDS SHEETS
PLATES MAY BE CUT ALONG THESE LINES FOR DRIVING



GUIDE RAIL
N.T.S.

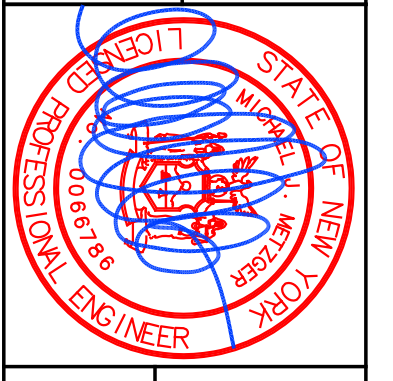
NOTES:

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CHECKED BY:	JCM
DATE:	
BY/CHK:	

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8245 SHERIDAN DRIVE
WILLAMSVILLE, NY 14221
PH: 716-653-2801
FAX: 716-653-2704

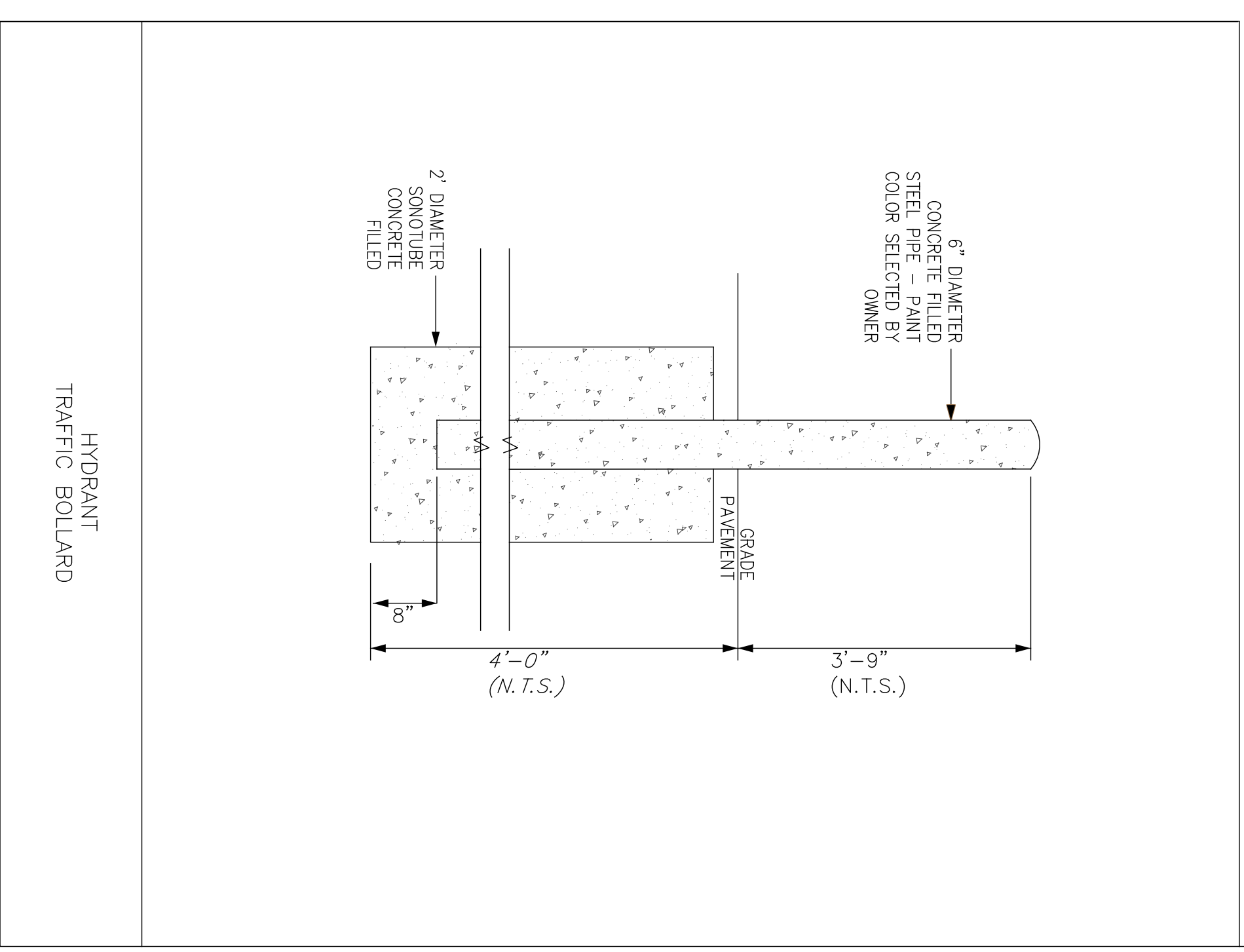
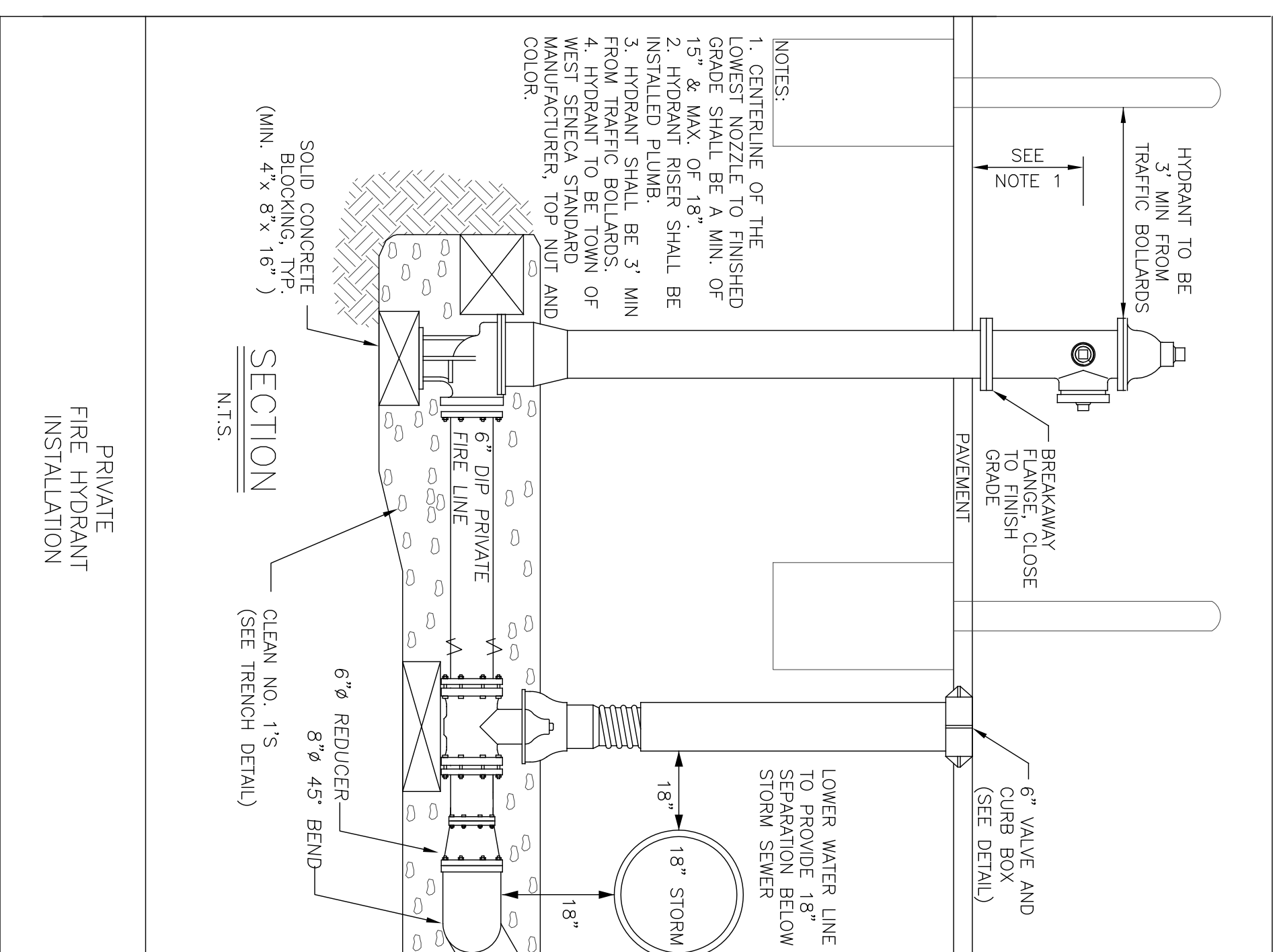
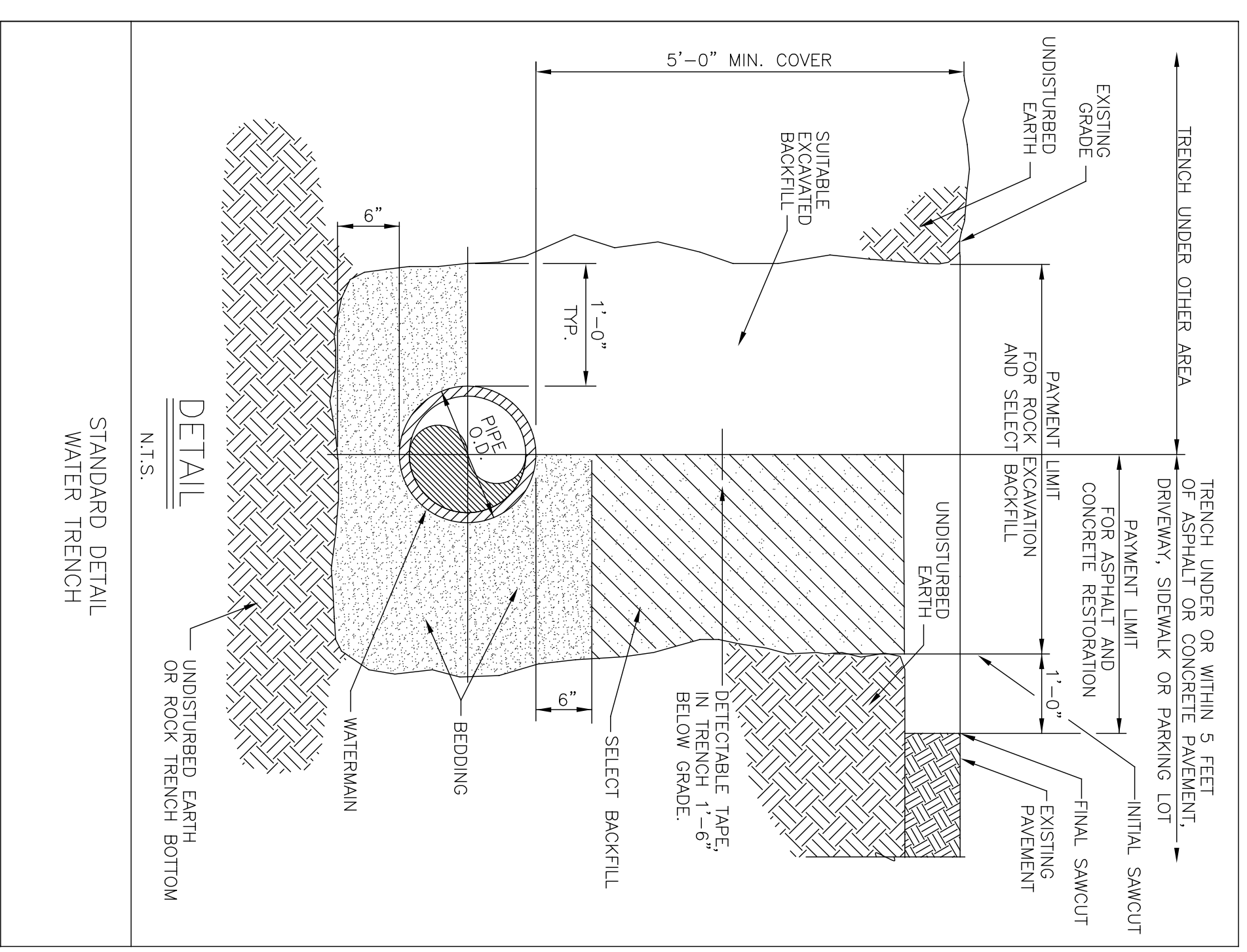
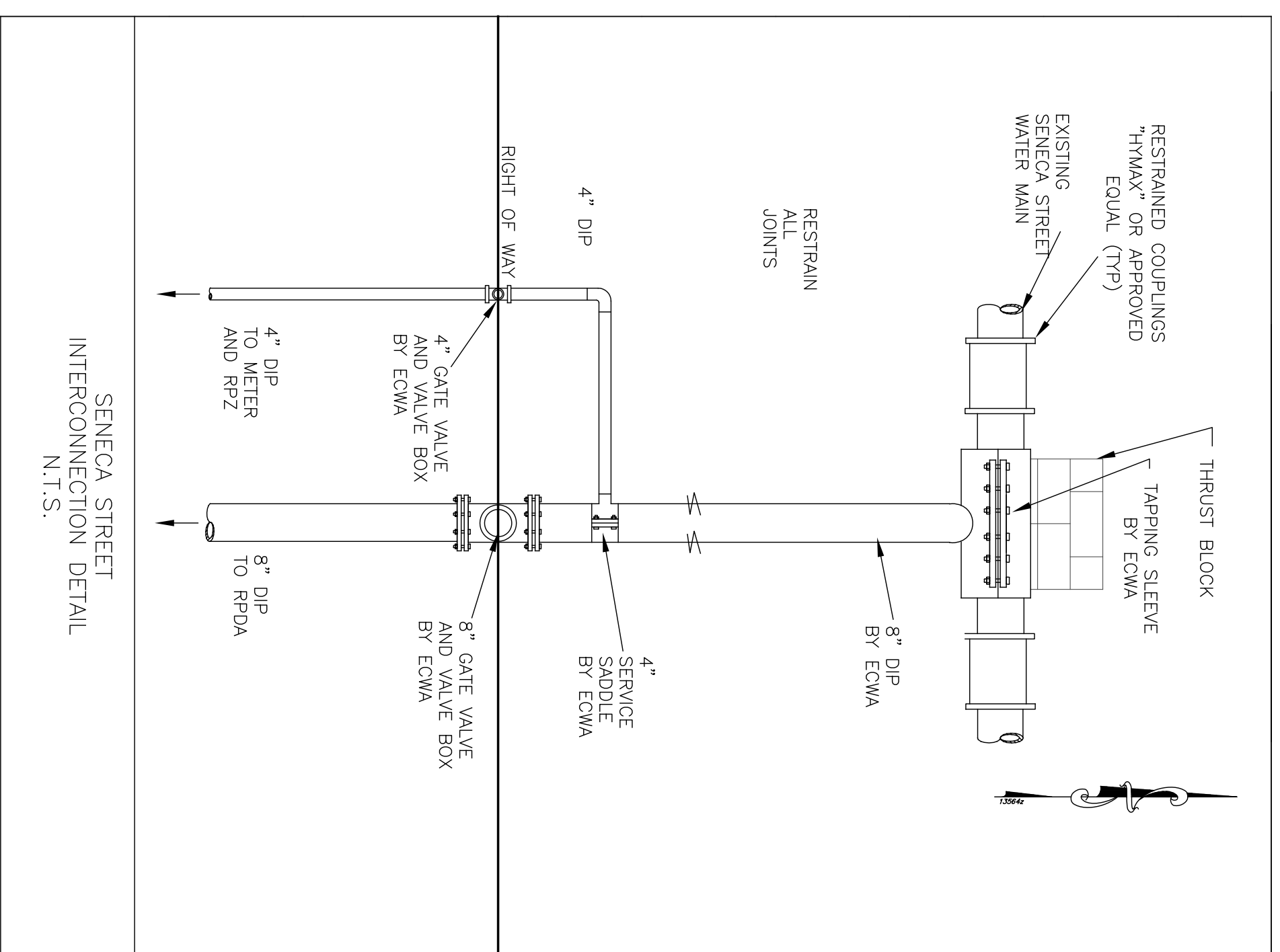
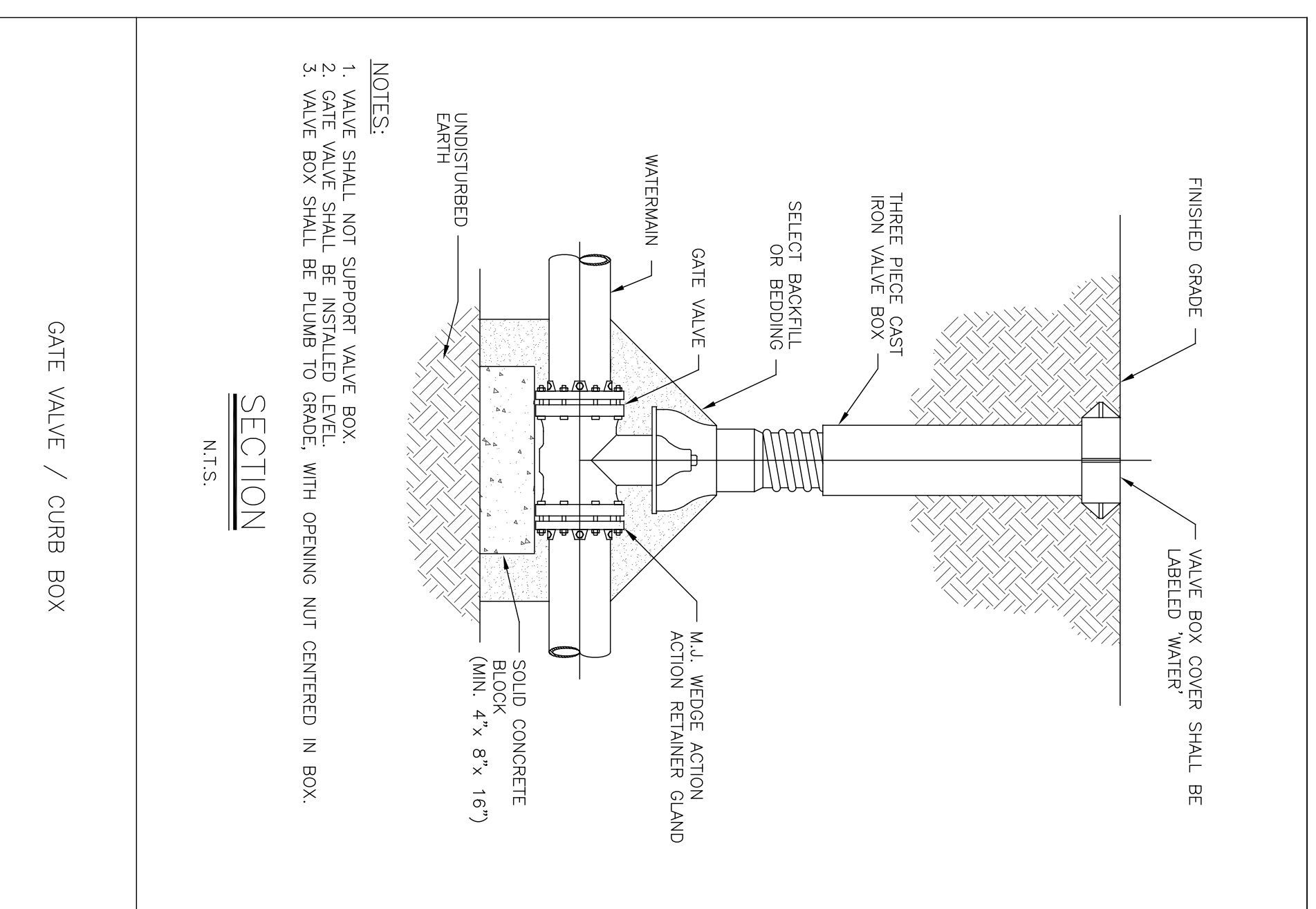
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3027 & 3045 SENECA STREET
PROPOSED MIXED USE
TOWN OF WEST SENECA, ERIE COUNTY, NEW YORK

DETAILS -1

SCALE:	AS NOTED
DATE:	02/28/20
JOB NO.:	M-1738
DRAWING NO.:	DT-1



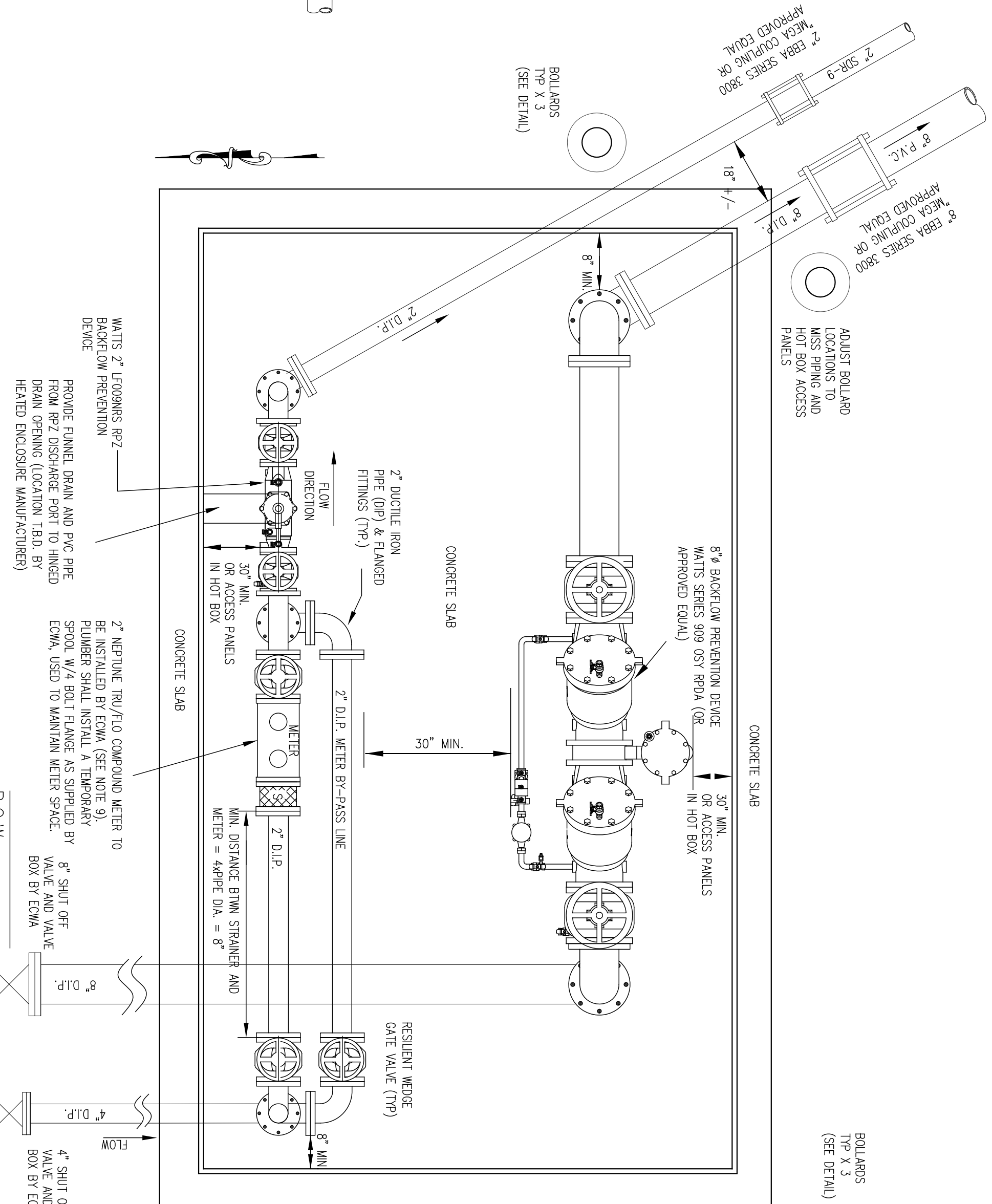
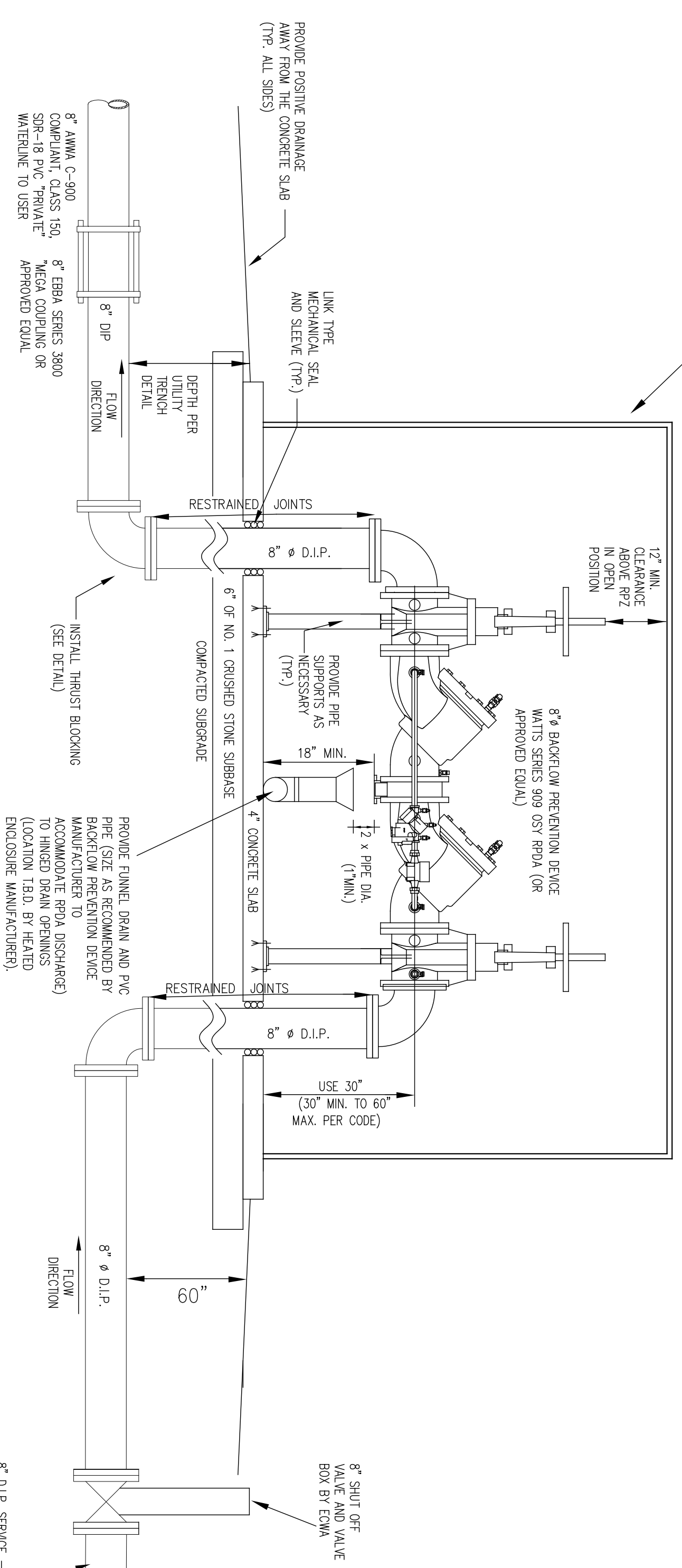
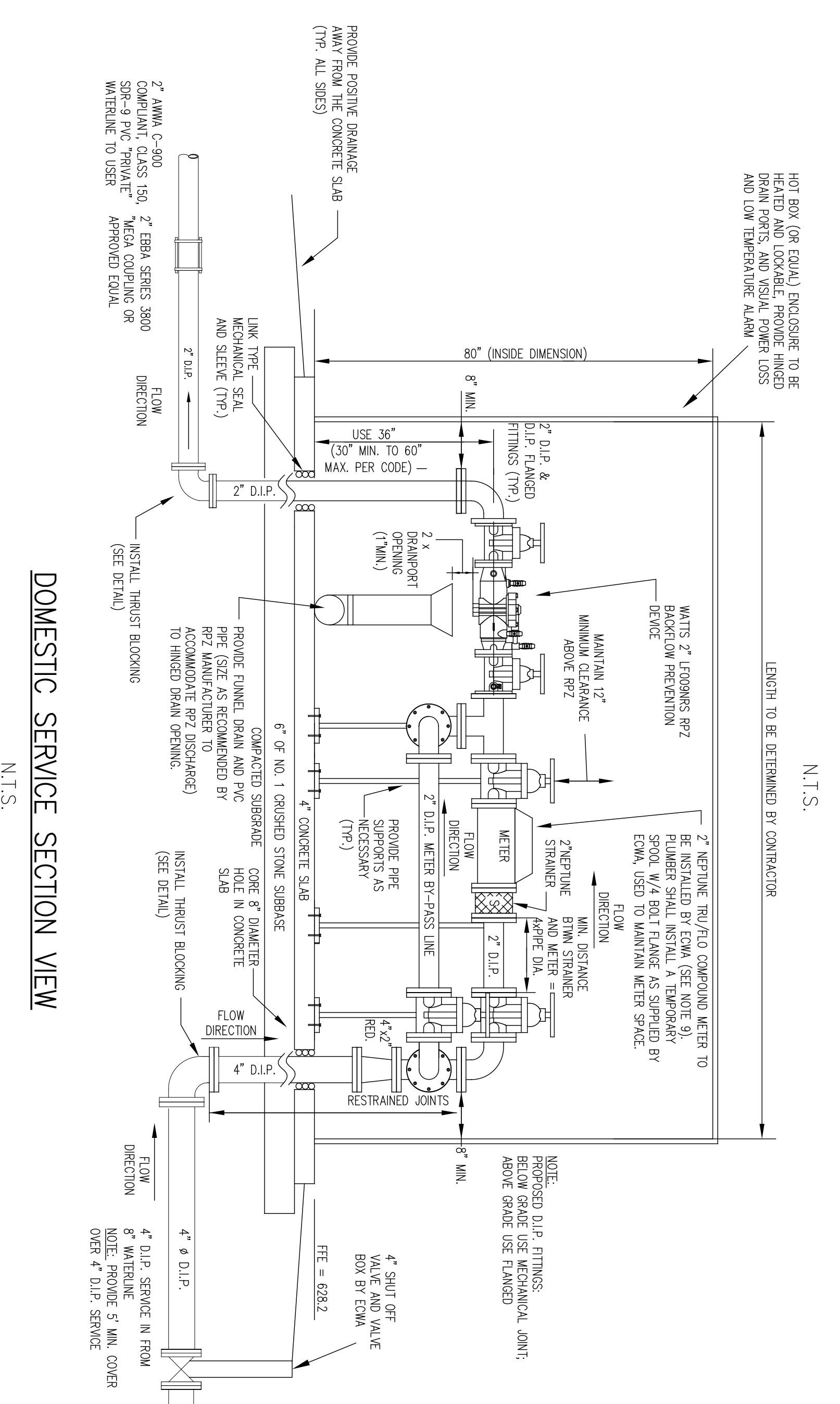
NOTES:

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CHECKED BY:	JCM
DATE:	1/17/20

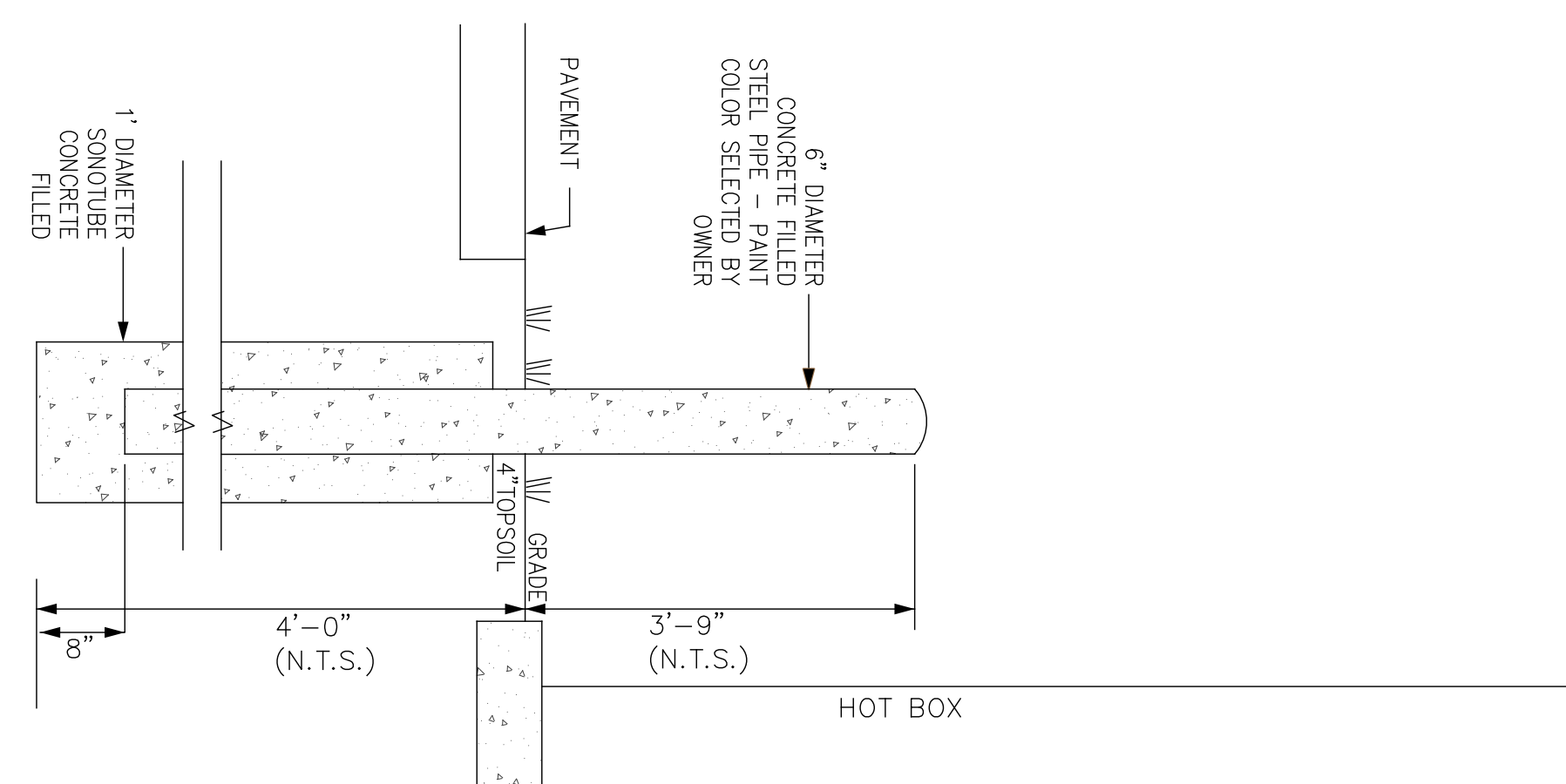
PROJECT:	PRIVATE FIRE HYDRANT INSTALLATION
CLIENT:	TOWN OF WEST SENECA, ERIE COUNTY, NEW YORK
DATE:	BR/GJK

SCALE:	AS NOTED
DATE:	02/28/20
JOB NO.:	M-1738
DRAWING NO.:	DT-3

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TRAFFIC BOLLARD



METER & BACKFLOW PREVENTION PLAN VIEW

N.T.S.

GENERAL NOTES:

1. SITE PREPARATION
 - A) PROVIDE A 120V GROUND FAULT PROTECTED CIRCUIT TO THE BACKFLOW PREVENTION DEVICE. THE 120V OUTLET SHALL BE INSTALLED 6" MIN. ABOVE THE RPZ DISCHARGE OUTLET.
 - B) POUR A CONCRETE PAD 4" THICK AROUND THE BACKFLOW PREVENTION DEVICE IN ALL DIRECTIONS. THE CONCRETE SLAB SHALL EXTEND 8" BEYOND THE OUTSIDE DIMENSIONS OF THE HEATED ENCLOSURE.
2. INSTALLATION
 - C) PLACE HEATED ENCLOSURE OVER BACKFLOW PREVENTION DEVICE ON TO PAD. ALL SECTIONAL BOWKS SHOULD BE COMPLETELY ASSEMBLED BEFORE PROCEEDING.
 - D) ACCESS DOORS MUST BE PLACED ON SIDE OF BACKFLOW PREVENTION DEVICE THAT HAS THE TESTING VALVES.
 - E) DRILL ANCHOR BOLT HOLES FULL THROUGH THE BASE FLANGE AROUND THE PERIMETER OF THE HEATED ENCLOSURE. INSERT RED "HEAD" EXPANSION ANCHORS THROUGH HOLE INTO THE FOOTER OR PAD AND BOLT THE BOX DOWN FIRMLY, OR USE POURED IN PLACE, 8" LONG FULLY EMBEDDED ANCHOR BOLTS.
 - F) PLUG HEAT SOURCE INTO THE 120V CIRCUIT THAT HAS BEEN PROVIDED.
 - G) ALL ESCUTCHEON COVERS (WHERE APPLICABLE) SHOULD BE PROVIDED.
3. ALL ESCUTCHEON COVERS (WHERE APPLICABLE) SHOULD BE PROVIDED.
4. MINIMUM CLEARANCE SHOWN ONLY APPLY DURING ACTUAL MAINTENANCE OPERATION. IF THE ENCLOSURE IS TOTALLY REMOVABLE OR PIVOTS ON HINGES AWAY FROM THE INSTALLATION, THE MIN. CLEARANCES DO NOT APPLY.

MISCELLANEOUS NOTES:

1. MATERIALS USED, TYPE OF ENCLOSURE & LOCATION, AND MISCELLANEOUS APURTANCES, SHALL BE GOVERNED BY ERIE COUNTY WATER AUTHORITY SPECIFICATIONS AND LOCAL ORDINANCES.
2. ALL DUCTILE IRON PIPE SHALL BE THICKNESS CLASS 52 UNLESS SPECIFIED OTHERWISE.
3. ALL DUCTILE IRON FITTINGS SHALL BE CLASS 350 ANS/AWWA C110/A21.01-82 UNLESS SPECIFIED OTHERWISE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL LOCATIONS, DIMENSIONS AND ELEVATIONS SHOWN.
5. ENCLOSURE MUST HAVE HEAT & ACCESS PANELS POSITIONED TO FACILITATE TESTING/MAINTENANCE OF BACKFLOW PREVENTION DEVICE(S) AND/OR METER.
6. DIMENSIONS SHOWN FOR THE WATER METER ARE STANDARD FOR THE SIZE & MODEL SHOWN. ADEQUATE CLEARANCES IN THE HEATED ENCLOSURE MUST BE MAINTAINED ON ALL SIDES.
7. CLEARANCE DIMENSIONS SHOWN FOR THE BACKFLOW PREVENTION DEVICE(S) ARE NYSDOH STANDARDS.
8. BACKFLOW PREVENTION DEVICE(S) MUST BE PROPERLY SUPPORTED.
9. PRIOR TO THE PLACEMENT OF THE ENCLOSURE SHELL ON THE CONCRETE PAD, CONTACT E.C.M. METER SHOP A MINIMUM OF THREE (3) WORKING DAYS TO SCHEDULE THE INSTALLATION OF THE METER. TELEPHONE NO. 685-8226

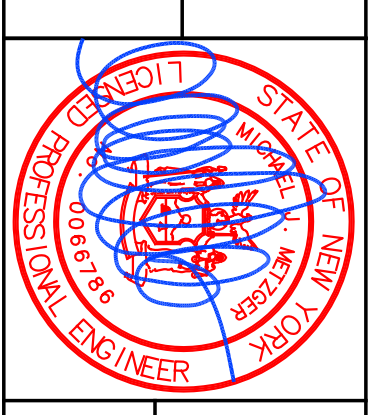
NOTES:

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DATE:	1/17/20
PROJECT NO.:	1738
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BY/CHK:	AMH

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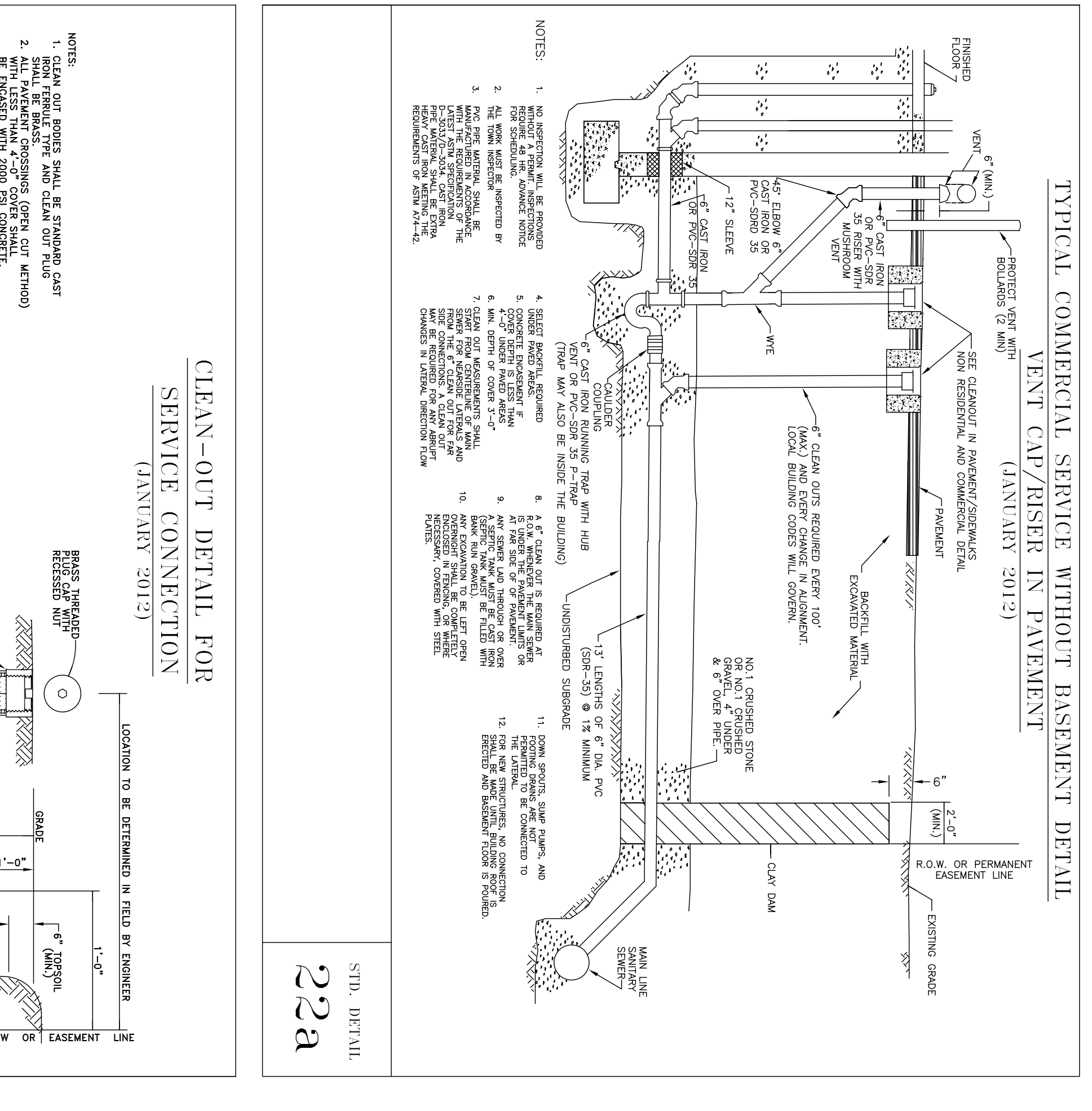
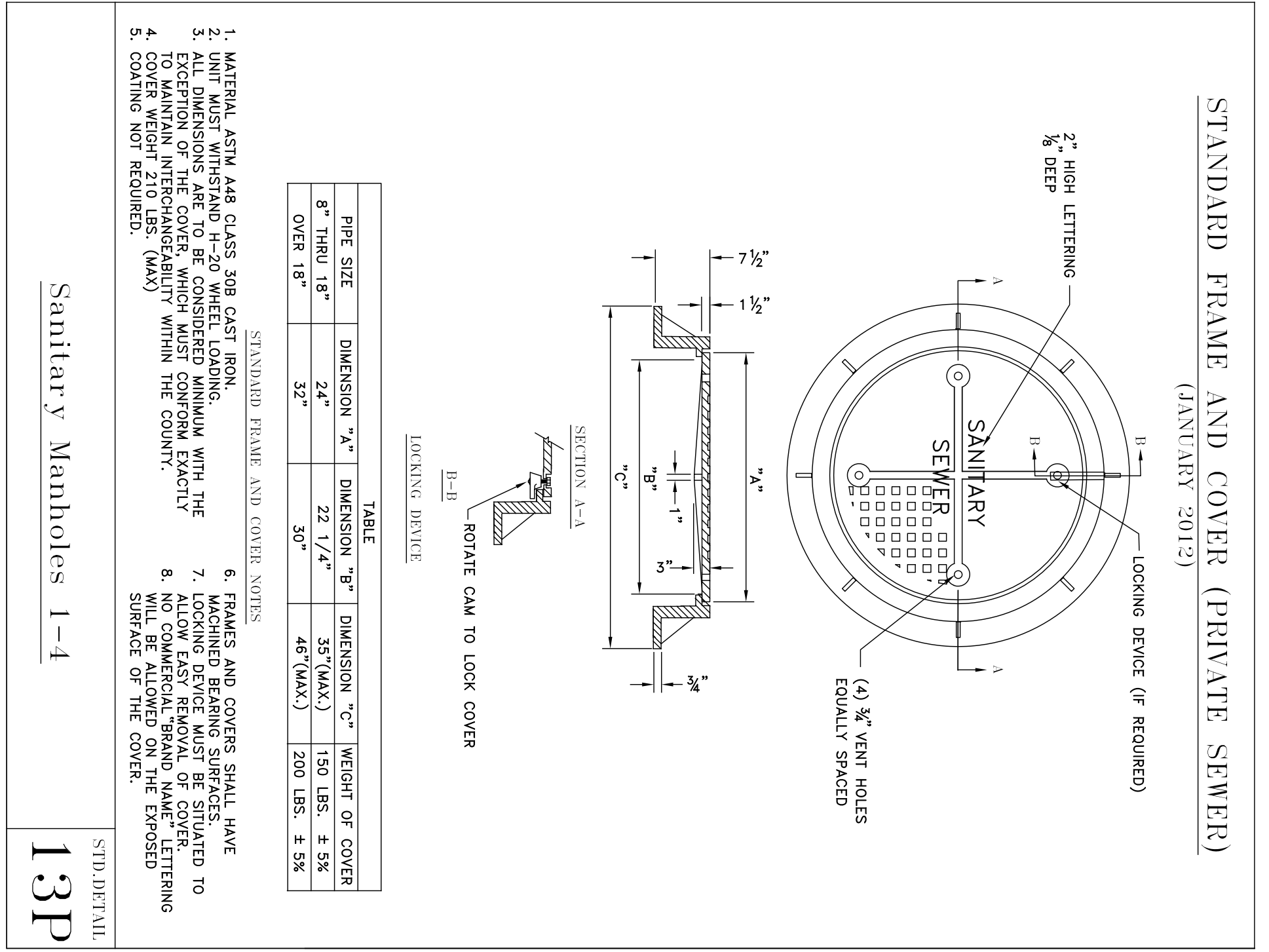
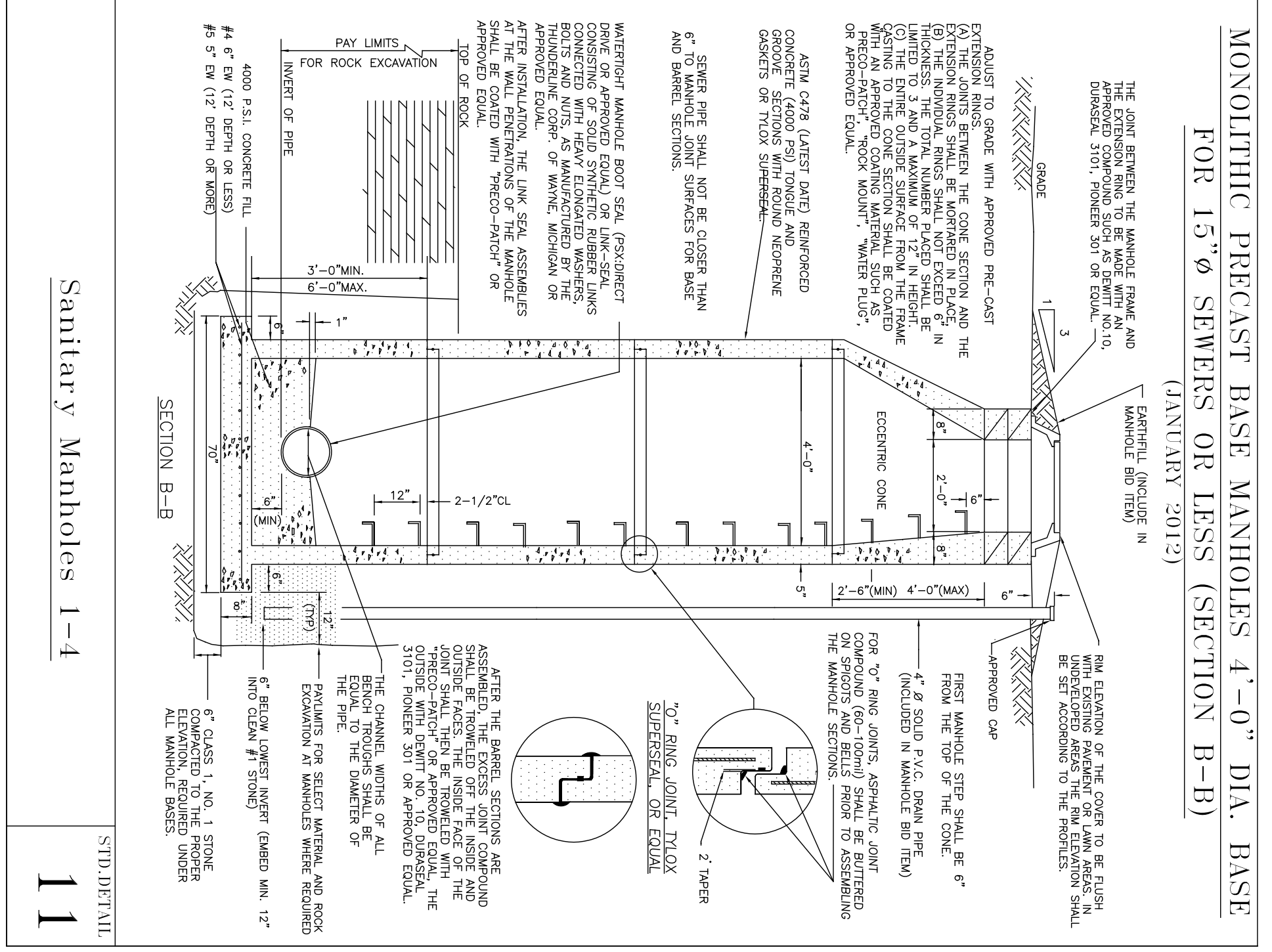
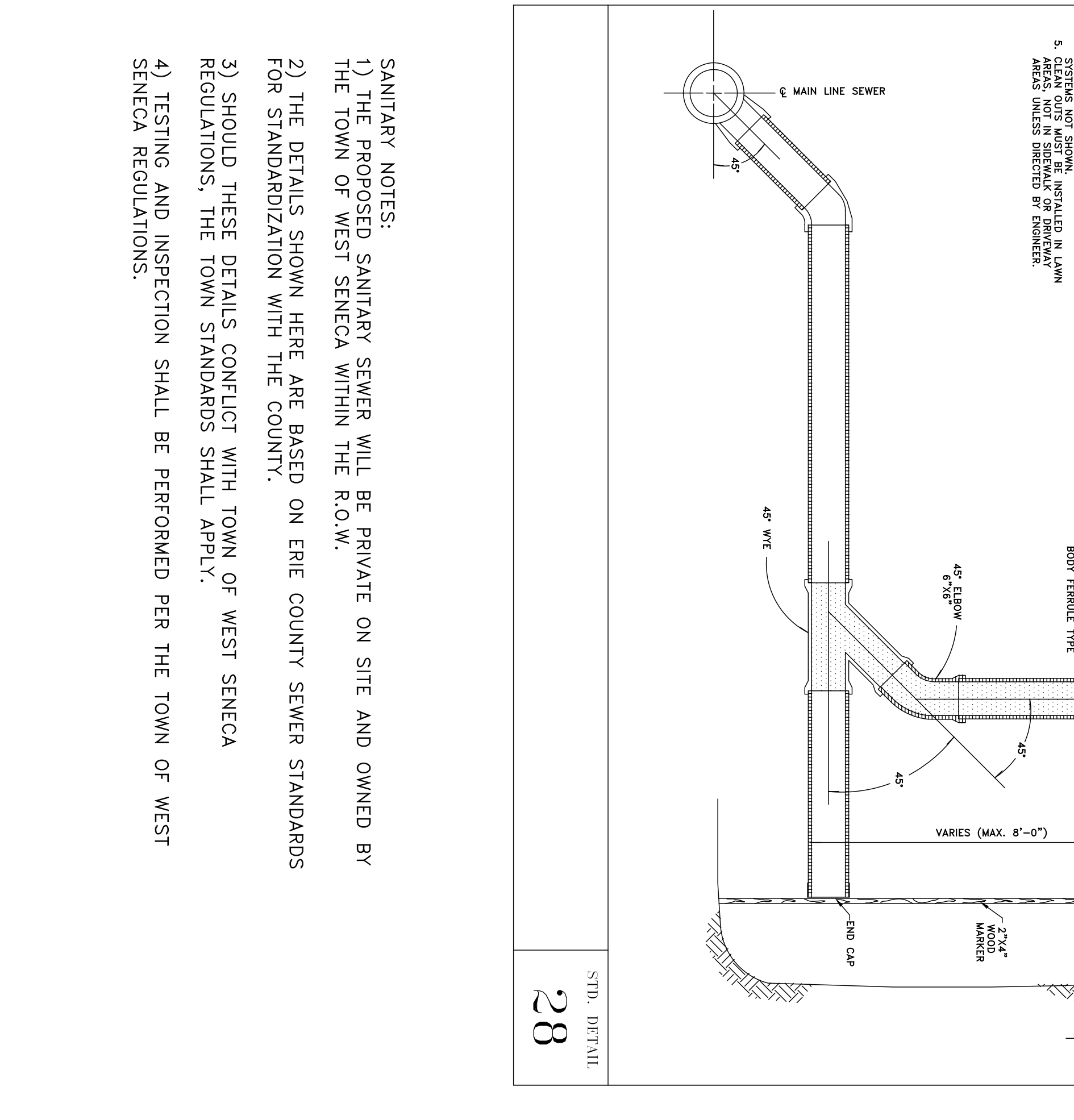
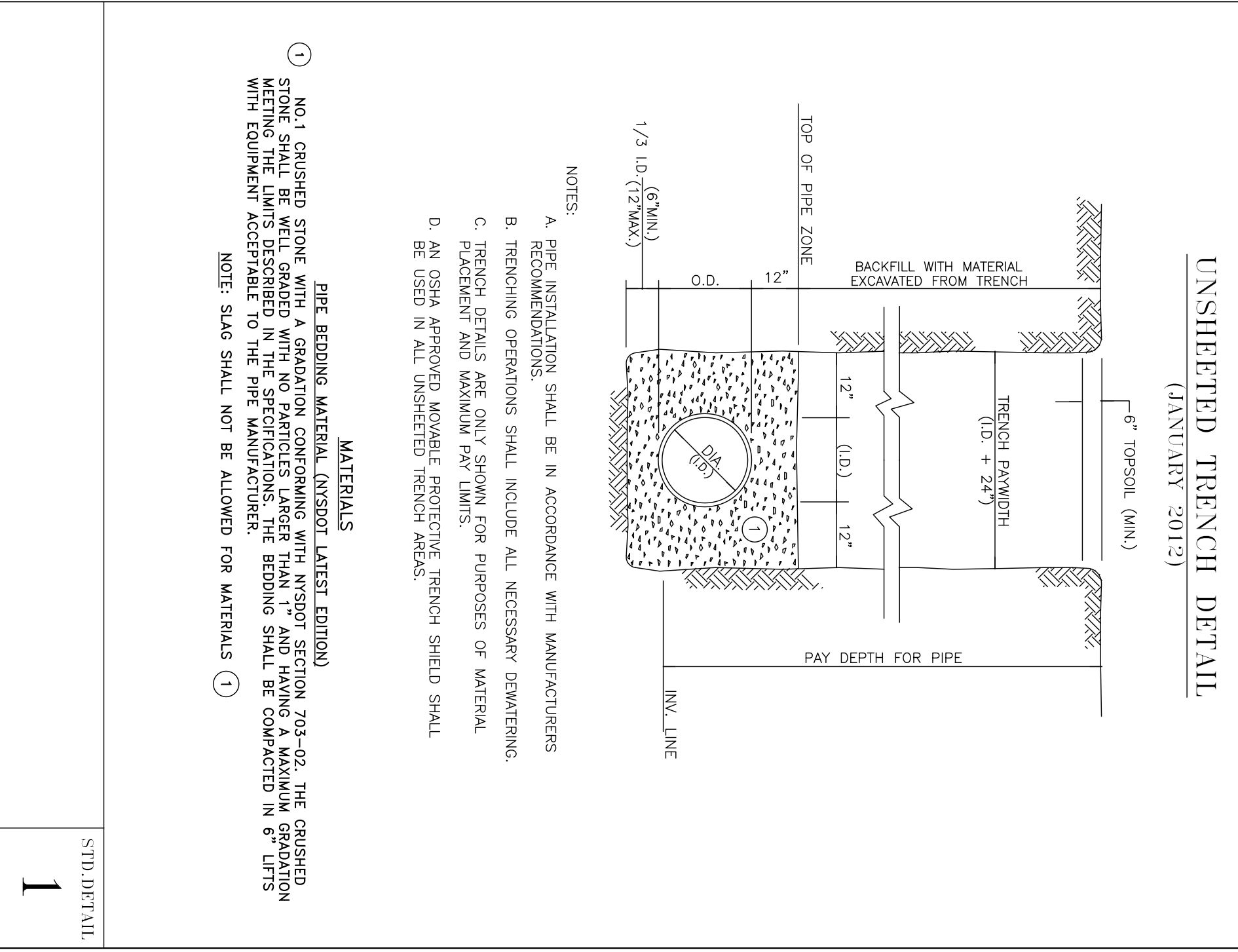
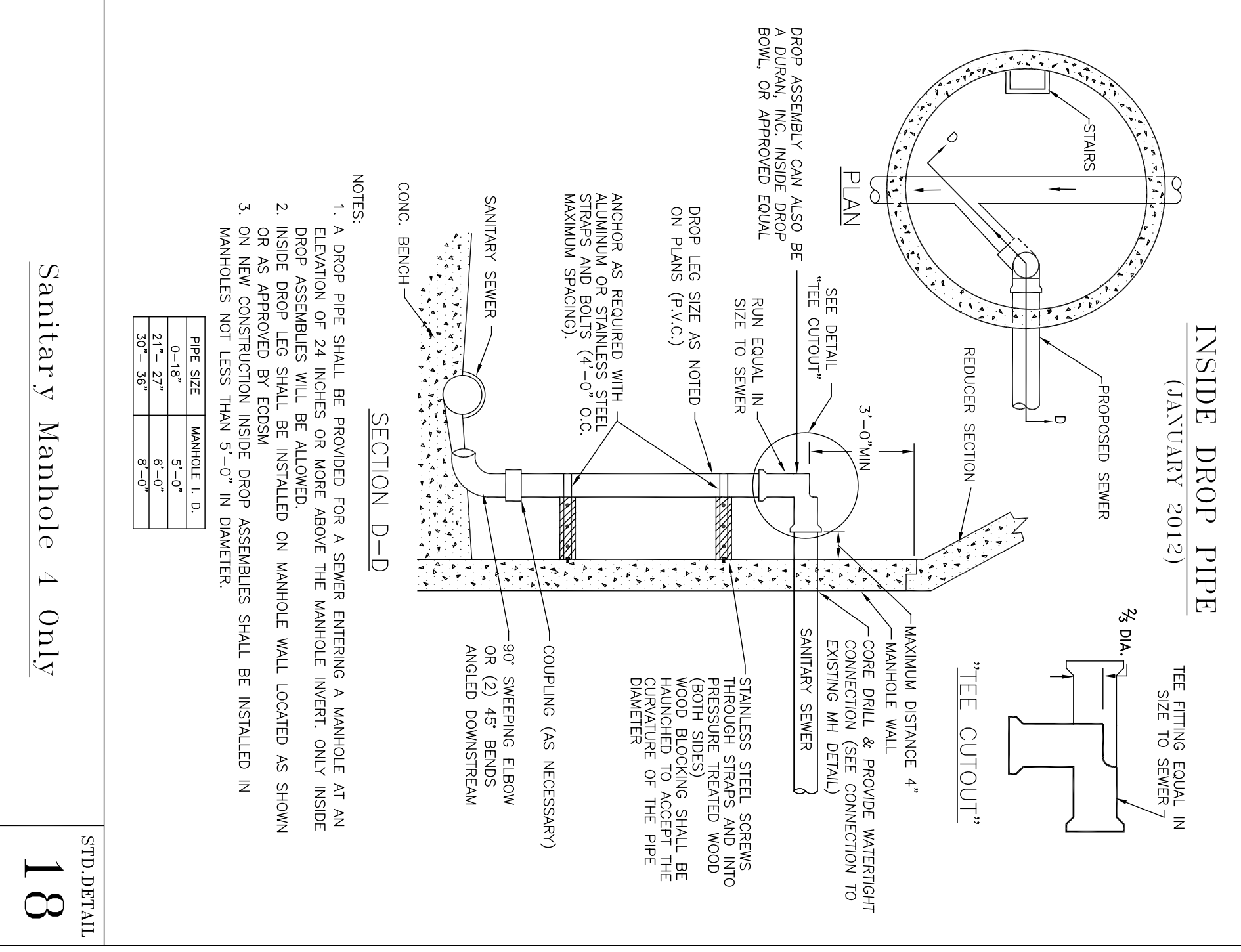
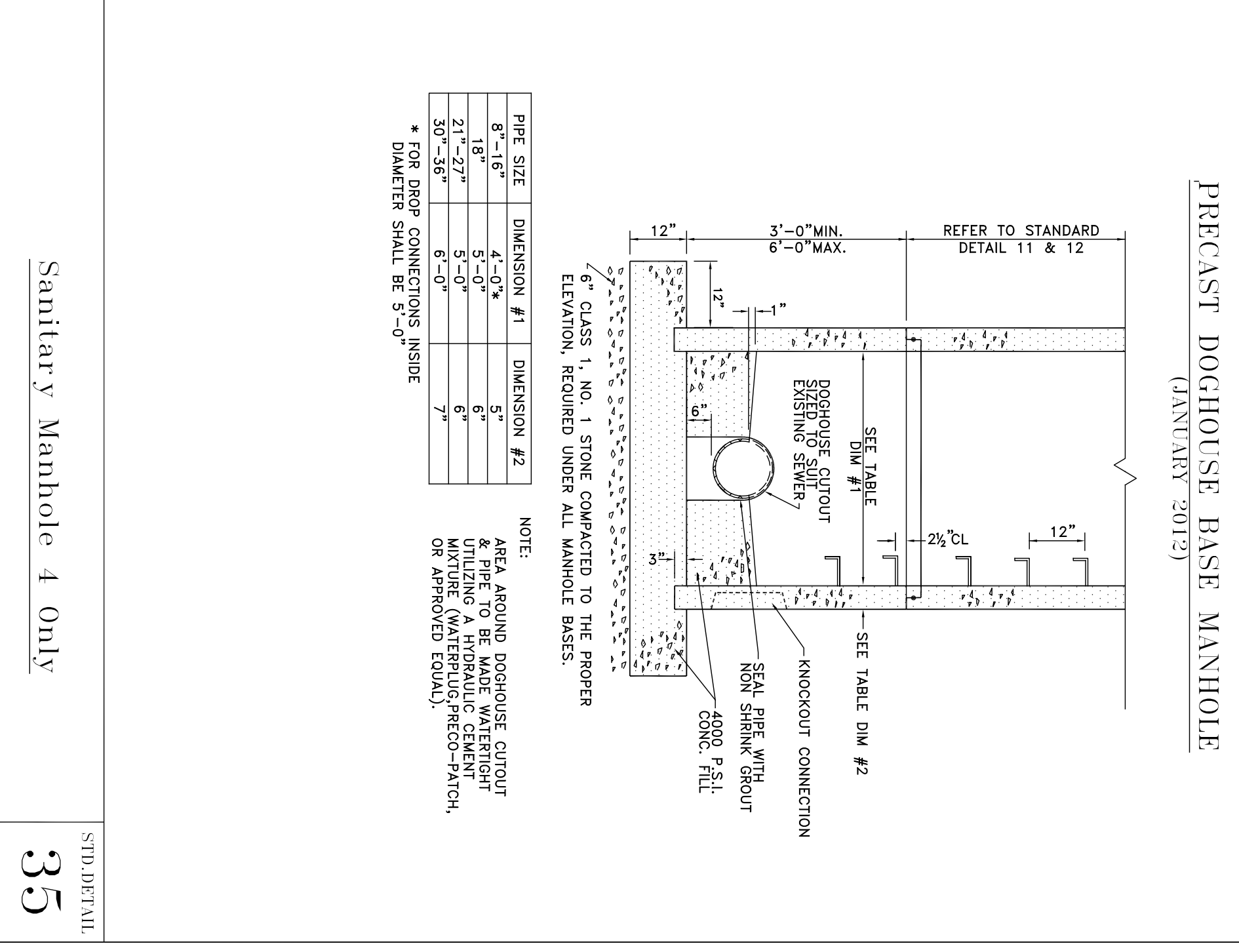
8245 SHERIDAN DRIVE
WILLIAMSVILLE, NY 14221
PH: 716-633-2601
FAX: 716-633-2704

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3027 & 3045 SENECA STREET
PROPOSED MIXED USE
TOWN OF WEST SENECA, ERIE COUNTY, NEW YORK

SCALE: AS NOTED
DATE: 02/28/20
JOB NO.: M-1738
DRAWING NO.: DT-4



NOTES:

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DATE:	JOM
SCALE:	AS NOTED
DATE:	02/28/20
JOB NO.:	1738
DRAWING NO.:	DT-5

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WILLIAMSVILLE, NY 14221
PH: 716-633-2601
FAX: 716-633-2704

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3027 & 3045 SENECA STREET
PROPOSED MIXED USE