

ADDENDUM NO. 2

January 11, 2023

**NEW TAFT MIDDLE SCHOOL WATER MAIN EXTENSION PROJECT
Winfield IN 46307**

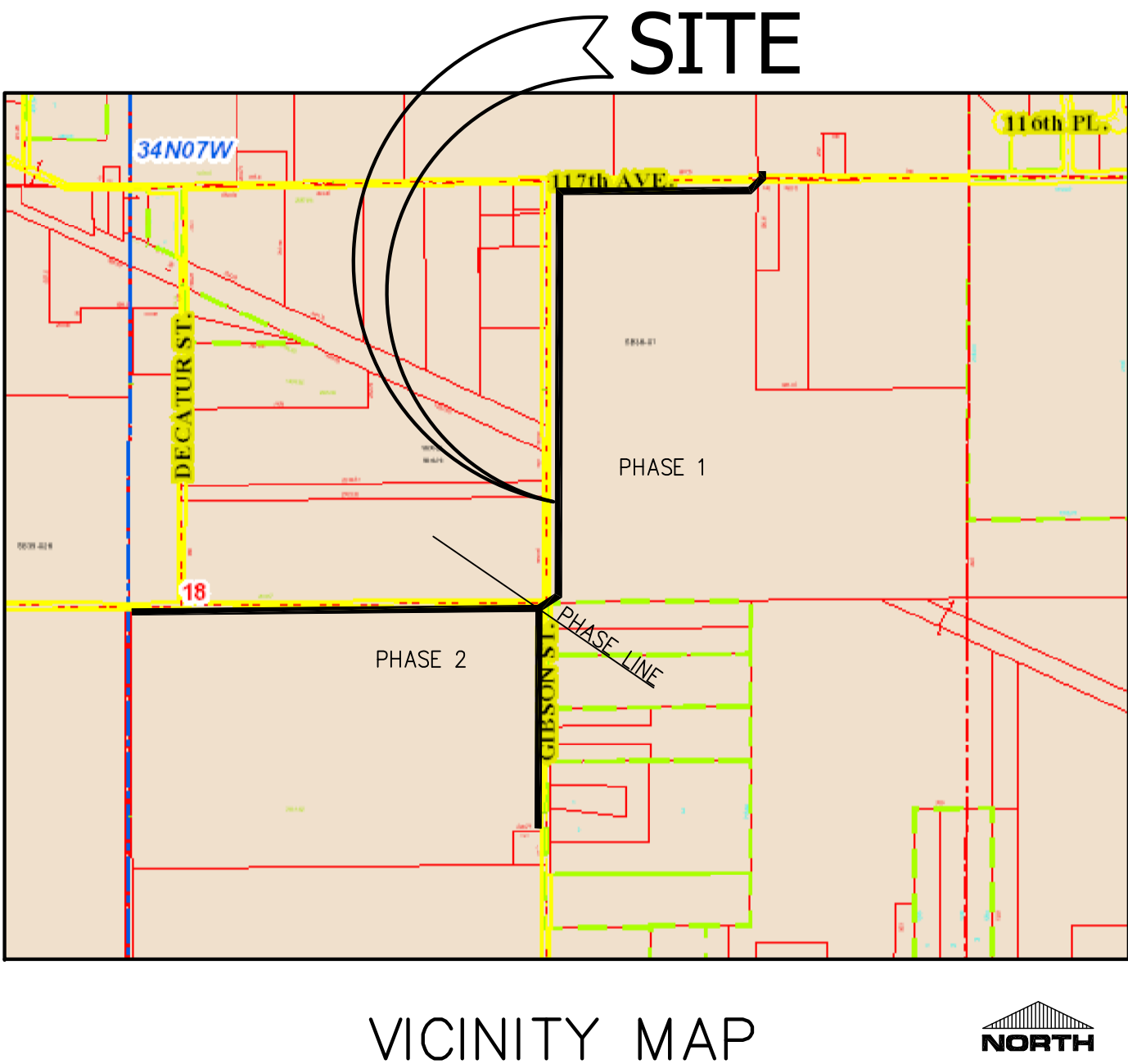
TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated December 21, 2022 by Torrenga Engineering. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Page ADD 1-1 and 28 Revised drawings issued by Torrenga Engineering.

NEW MIDDLE SCHOOL
(ROBERT A. TAFT MIDDLE SCHOOL)
WATER MAIN PHASE 1 & PHASE 2 COMBINE SET
WINFIELD, LAKE COUNTY, INDIANA

INDEX		
PHASE	PAGE	DESCRIPTION
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1	C-1.1 TO C-1.3	PLAN AND PROFILE
1	C-2.0	DETAILS & SPECIFICATIONS
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2	C-6.1, C-6.3, C-6.5	DETAILS & SPECIFICATIONS
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2	C-9.0 to C-9.1	SWPPP DETAILS & SPECIFICATIONS



Know what's below.
Call before you dig.

"IT'S THE LAW"
CALL 2 WORKING DAYS BEFORE YOU DIG
811 or 1-800-382-5544

CALL TOLL FREE
PER INDIANA STATE LAW 108-1-26
IT IS AGAINST THE LAW TO EXCAVATE
WITHOUT NOTIFYING THE UNDERGROUND
LOCATION SERVICE TWO (2) WORKING
DAYS BEFORE COMMENCING WORK.

County: LAKE

NW Otr. Sec. 18, T. 34 N. R. 07 W.

Township: WINFIELD

DATE AND REVISIONS:

NO.	DATE	DESCRIPTION	BY
5	12-21-2022	I&M APPROVED VERSION	DCT/EM/SP
4	12-07-2022	I&M REVIEW & RESUBMITTAL	DCT/EM/SP
3	10-10-2022	I&M REVIEW	DCT/EM/SP
2	10-27-2021	I&M REVIEW #1	DCT/EM
1	09-30-2021	I&M SUBMITTAL	DCT/EM

DEVELOPER/CLIENT:
Crown Point Community School
Administrative Service Center
200 East North Street
Crown Point, Indiana 46307
Tel. No.: (219) 663-3371

PREPARED BY:
Torrenga Engineering, Inc.
907 Ridge Road
Munster, Indiana 46321
Tel. No.: (219) 836-8918

DRAWING SET PROGRESS:

☒	ENGINEERING PLAN - FOR REVIEW / APPROVAL
☐	FINAL ENGINEERING - FOR CONSTRUCTION

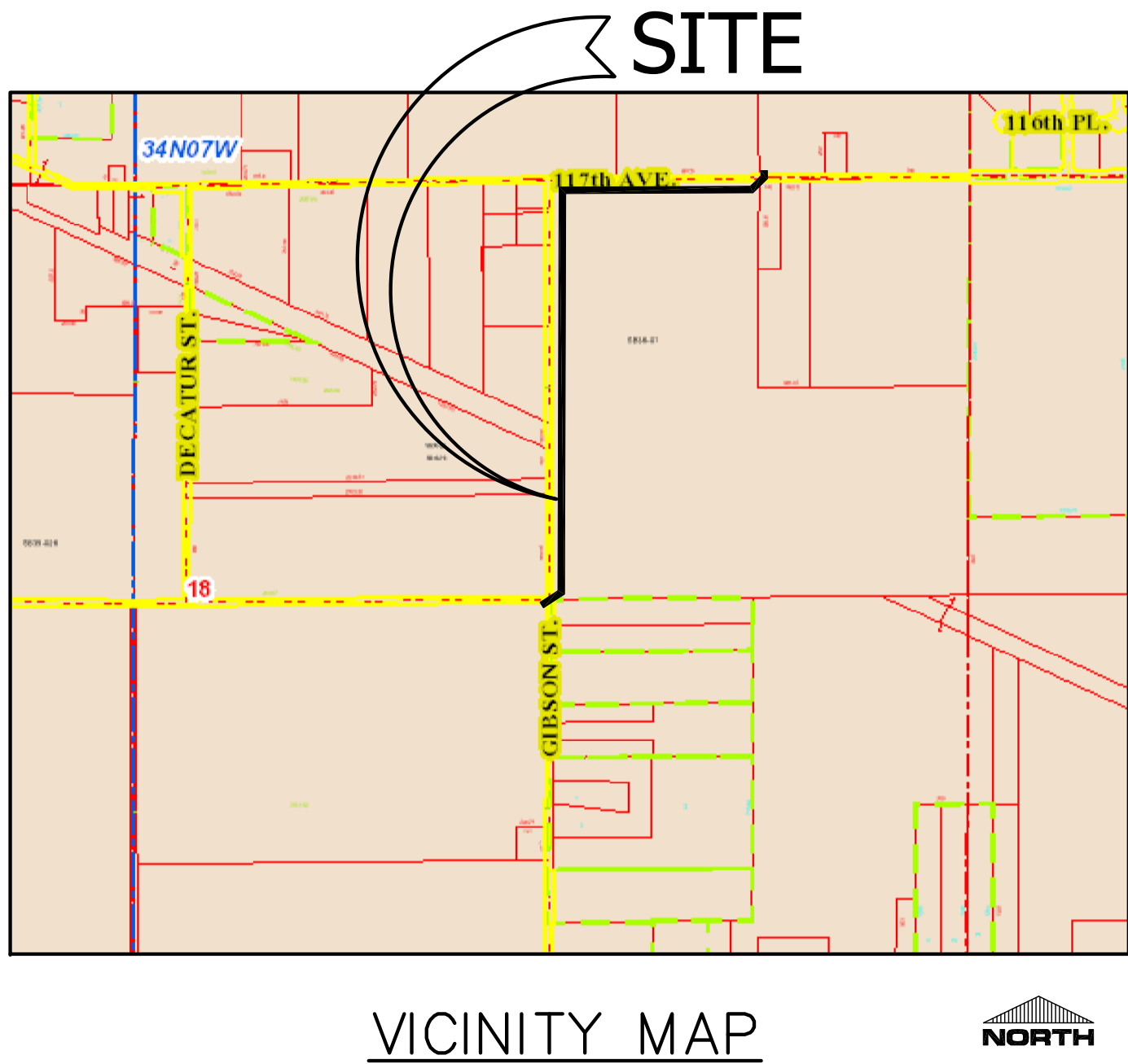
CERTIFIED BY: DONALD C. TORRENGA
P.E. # 19868



Donald C. Torrenga

NEW MIDDLE SCHOOL
(ROBERT A. TAFT MIDDLE SCHOOL)
OFFSITE WATER MAIN
WINFIELD, LAKE COUNTY, INDIANA

INDEX	
PAGE	DESCRIPTION
COVER	TITLE PAGE
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C-2.0	DETAILS & SPECIFICATIONS



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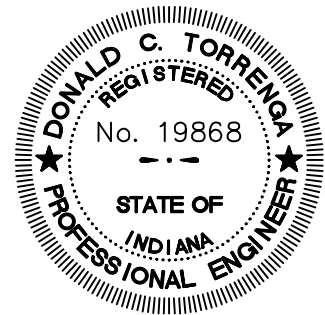
PREPARED BY:
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907 Ridge Road
Munster, Indiana 46321
Tel. No.: (219) 836-8918

DATE AND REVISIONS:

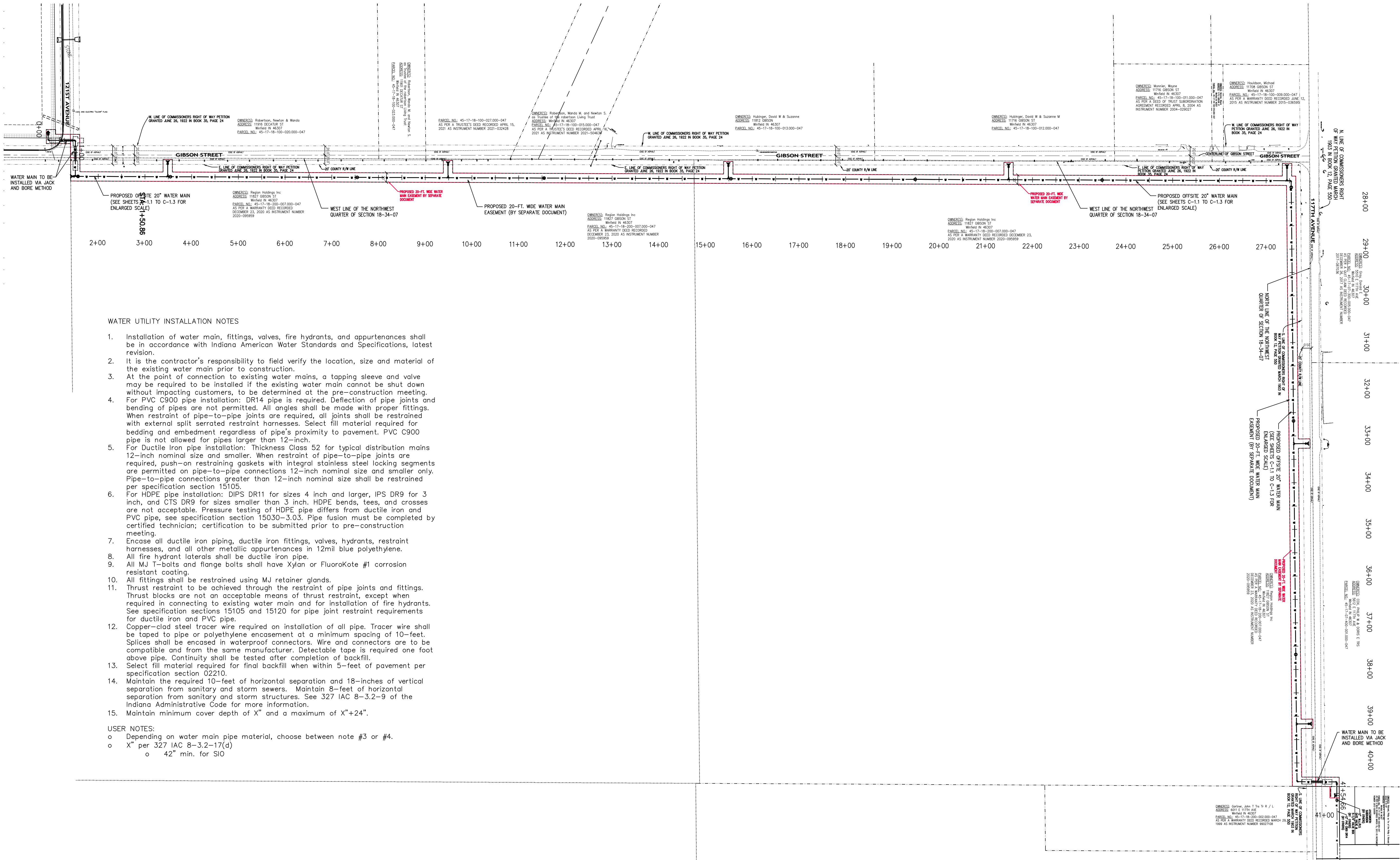
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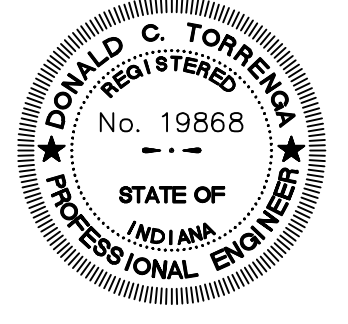
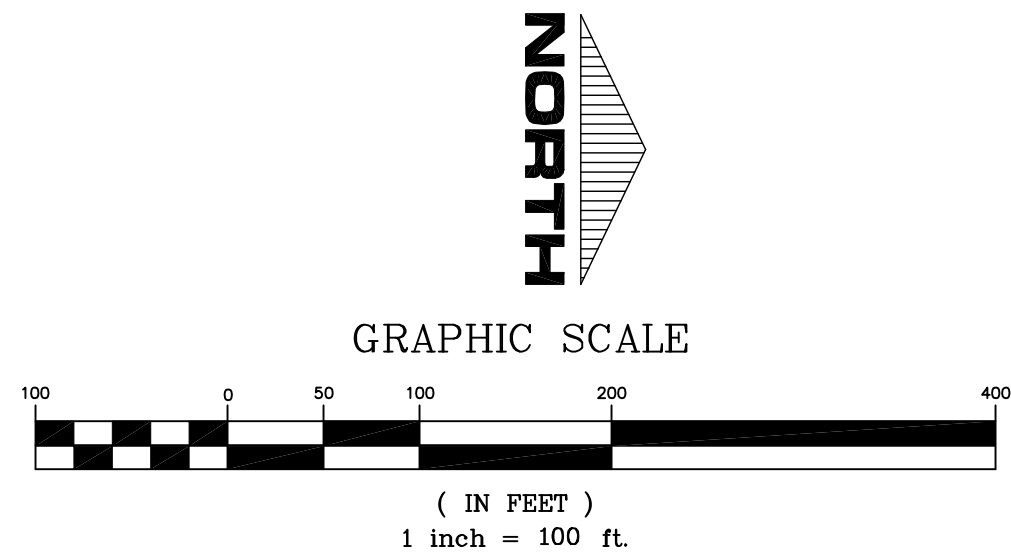


WATER UTILITY INSTALLATION NOTES

1. Installation of water main, fittings, valves, fire hydrants, and appurtenances shall be in accordance with Indiana American Water Standards and Specifications, latest revision.
2. It is the contractor's responsibility to field verify the location, size and material of the existing water main prior to construction.
3. At the point of connection to existing water mains, a tapping sleeve and valve may be required to be installed if the existing water main cannot be shut down without impacting customers, to be determined at the pre-construction meeting.
4. For PVC C900 pipe installation: DR14 pipe is required. Deflection of pipe joints and bending of pipes are not permitted. All angles shall be made with proper fittings. When restraint of pipe-to-pipe joints are required, all joints shall be restrained with external split serrated restraint harnesses. Select fill material required for bedding and embedment regardless of pipe's proximity to pavement. PVC C900 pipe is not allowed for pipes larger than 12-inch.
5. For Ductile Iron pipe installation: Thickness Class 52 for typical distribution mains 12-inch nominal size and smaller. When restraint of pipe-to-pipe joints are required, push-on restraining gaskets with integral stainless steel locking segments are permitted on pipe-to-pipe connections 12-inch nominal size and smaller only. Pipe-to-pipe connections greater than 12-inch nominal size shall be restrained per specification section 15105.
6. For HDPE pipe installation: DIPS DR11 for sizes 4 inch and larger, IPS DR9 for 3 inch, and CTS DR9 for sizes smaller than 3 inch. HDPE bends, tees, and crosses are not acceptable. Pressure testing of HDPE pipe differs from ductile iron and PVC pipe, see specification section 15030-3.03. Pipe fusion must be completed by certified technician; certification to be submitted prior to pre-construction meeting.
7. Encase all ductile iron piping, ductile iron fittings, valves, hydrants, restraint harnesses, and all other metallic appurtenances in 12mil blue polyethylene.
8. All fire hydrant laterals shall be ductile iron pipe.
9. All MJ T-bolts and flange bolts shall have Xylan or Fluorokote #1 corrosion resistant coating.
10. All fittings shall be restrained using MJ retainer glands.
11. Thrust restraint to be achieved through the restraint of pipe joints and fittings. Thrust blocks are not an acceptable means of thrust restraint, except when required in connecting to existing water main and for installation of fire hydrants. See specification sections 15105 and 15120 for pipe joint restraint requirements for ductile iron and PVC pipe.
12. Copper-clad steel tracer wire required on installation of all pipe. Tracer wire shall be taped to pipe or polyethylene encasement at a minimum spacing of 10-feet. Splices shall be encased in waterproof connectors. Wire and connectors are to be compatible and from the same manufacturer. Detectable tape is required one foot above pipe. Continuity shall be tested after completion of backfill.
13. Select fill material required for final backfill when within 5-feet of pavement per specification section 02210.
14. Maintain the required 10-feet of horizontal separation and 18-inches of vertical separation from sanitary and storm sewers. Maintain 8-feet of horizontal separation from sanitary and storm structures. See 327 IAC 8-3.2-9 of the Indiana Administrative Code for more information.
15. Maintain minimum cover depth of X" and a maximum of X"+24".

USER NOTES:

- o Depending on water main pipe material, choose between note #3 or #4.
- o X" per 327 IAC 8-3.2-17(d)
 - o 42" min. for SIO



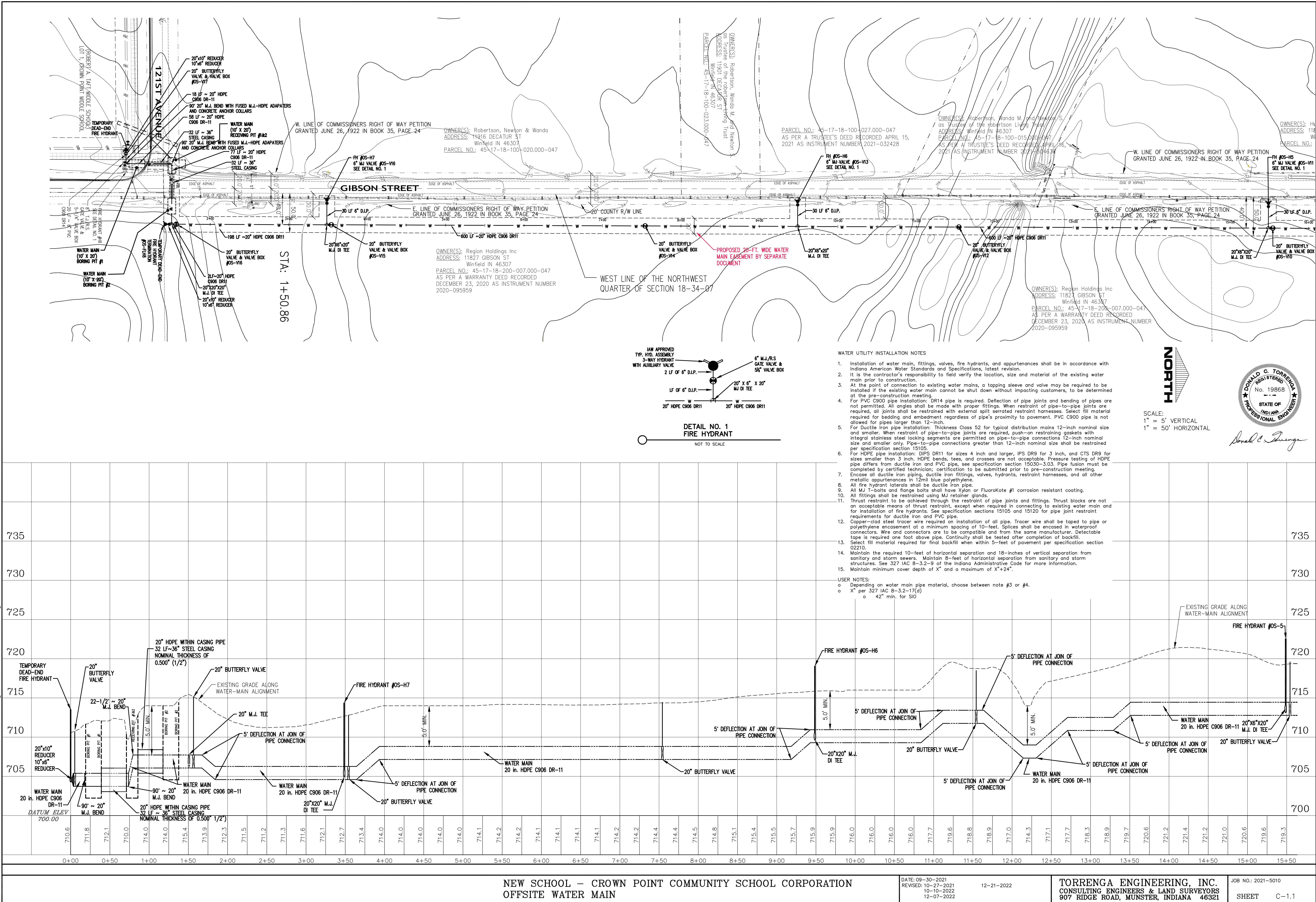
Donald C. Torrenge

TORRENGA ENGINEERING, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
907 RIDGE ROAD, MUNSTER, INDIANA 46321
Tel. No.: (219) 836-8918
website: www.torrenge.com

NEW MIDDLE SCHOOL
WINDFIELD, LAKE COUNTY, INDIANA
OVERALL PLAN

CLIENT: Crown Point Community School Administrative Service Center 2000 East North Street Crown Point, Indiana 46307	REVISIONS: 12-21-2022 12-07-2022 10-10-2022 10-10-2022	JOB NO: 2021-5010 SCALE: 1" = 100'
SHEET C-1.0		

FILE NO: 21-2021-5010 Crown Point Middle School - Winfield.dwg 2021-5010 Offsite Water Main 12/21/2022 12:34:30 PM CST



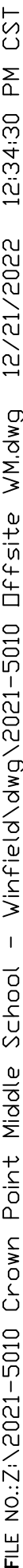
NEW SCHOOL - CROWN POINT COMMUNITY SCHOOL CORPORATION
OFFSITE WATER MAIN

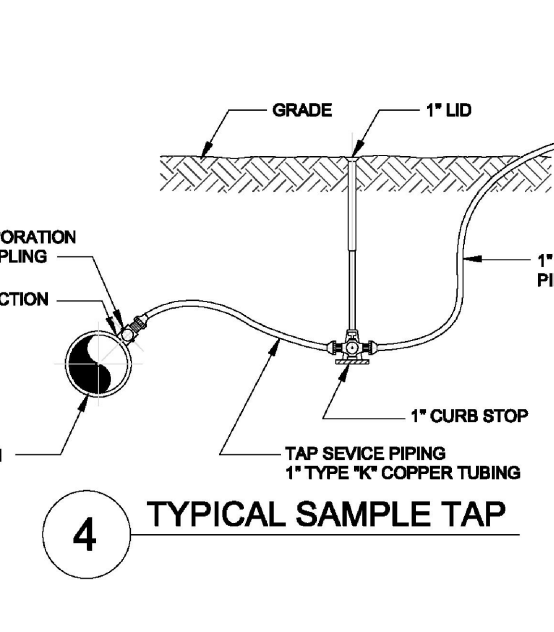
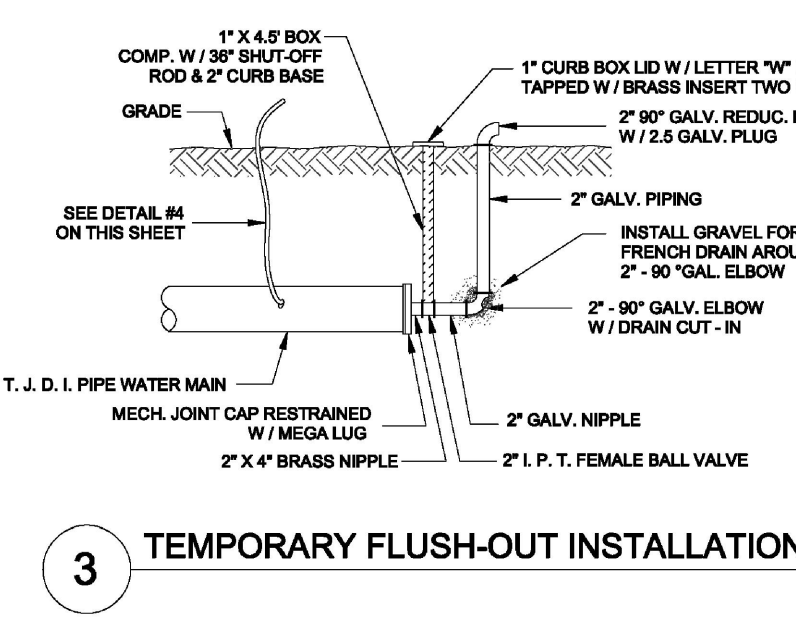
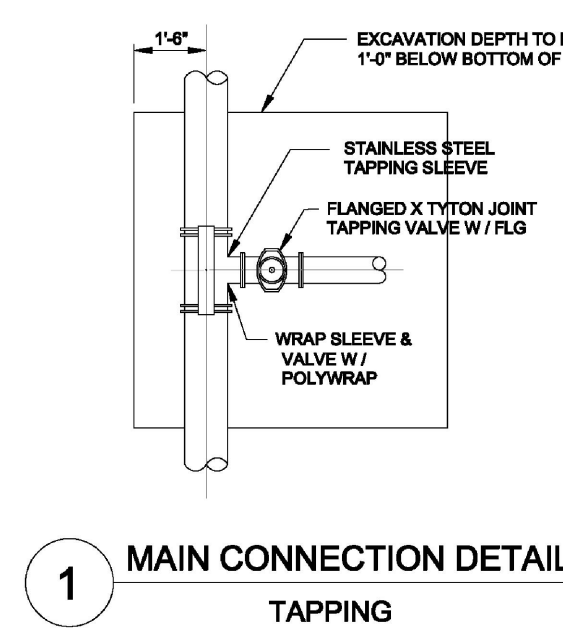
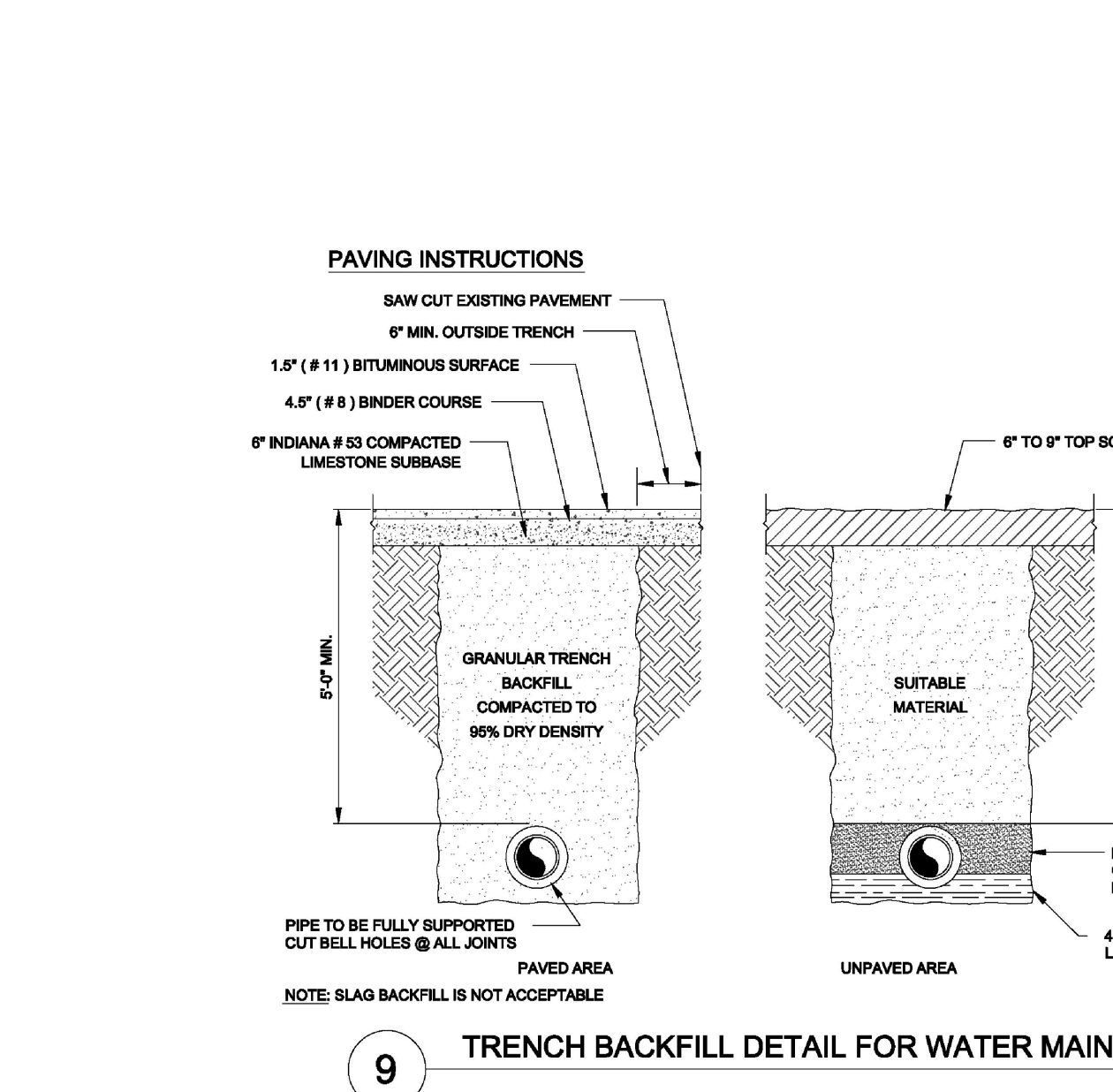
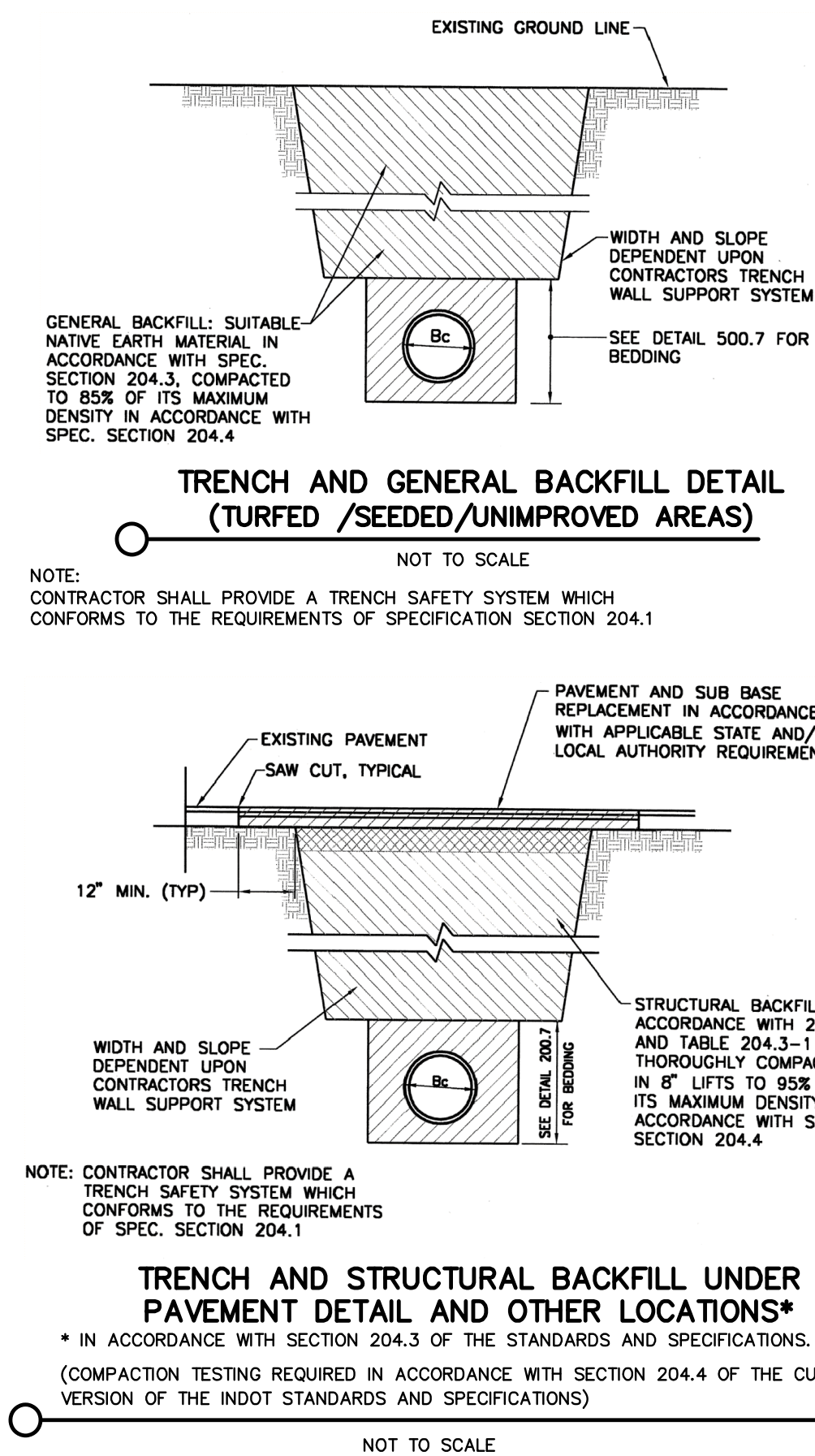
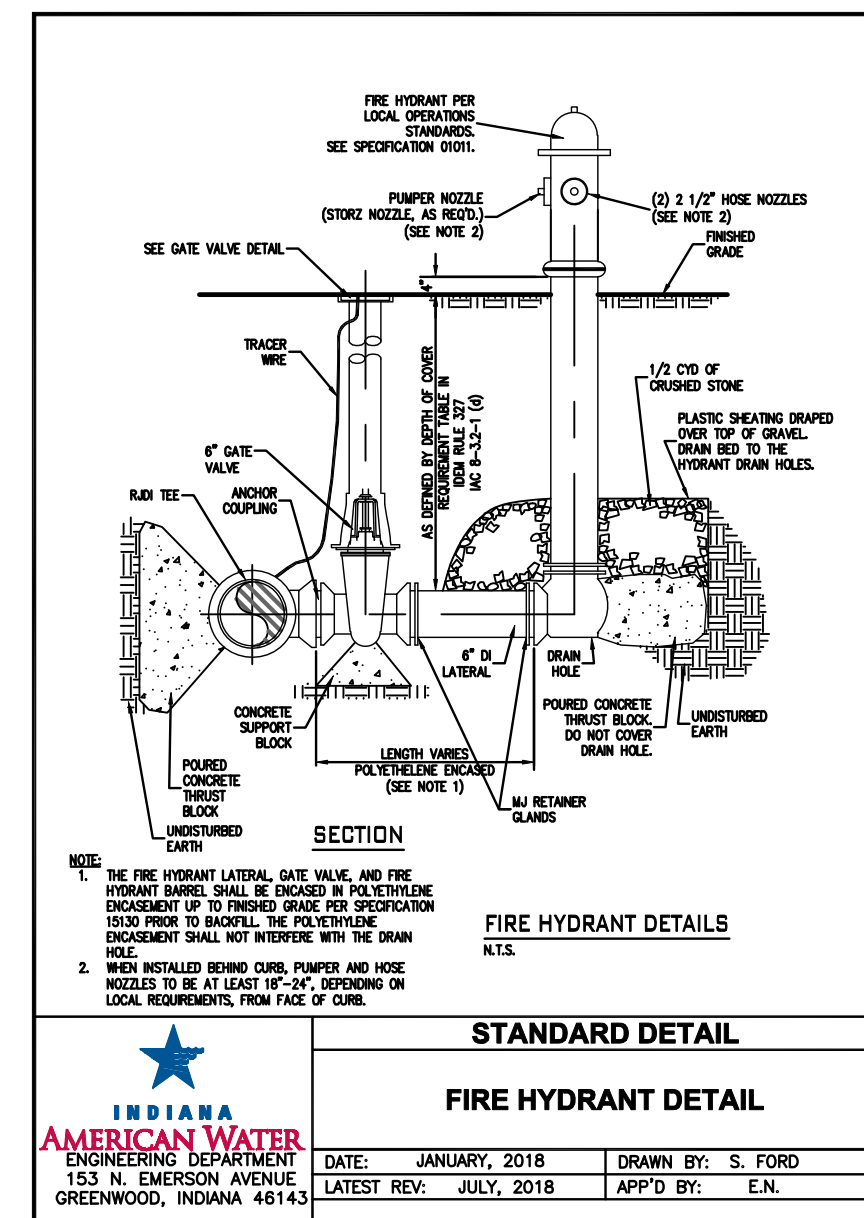
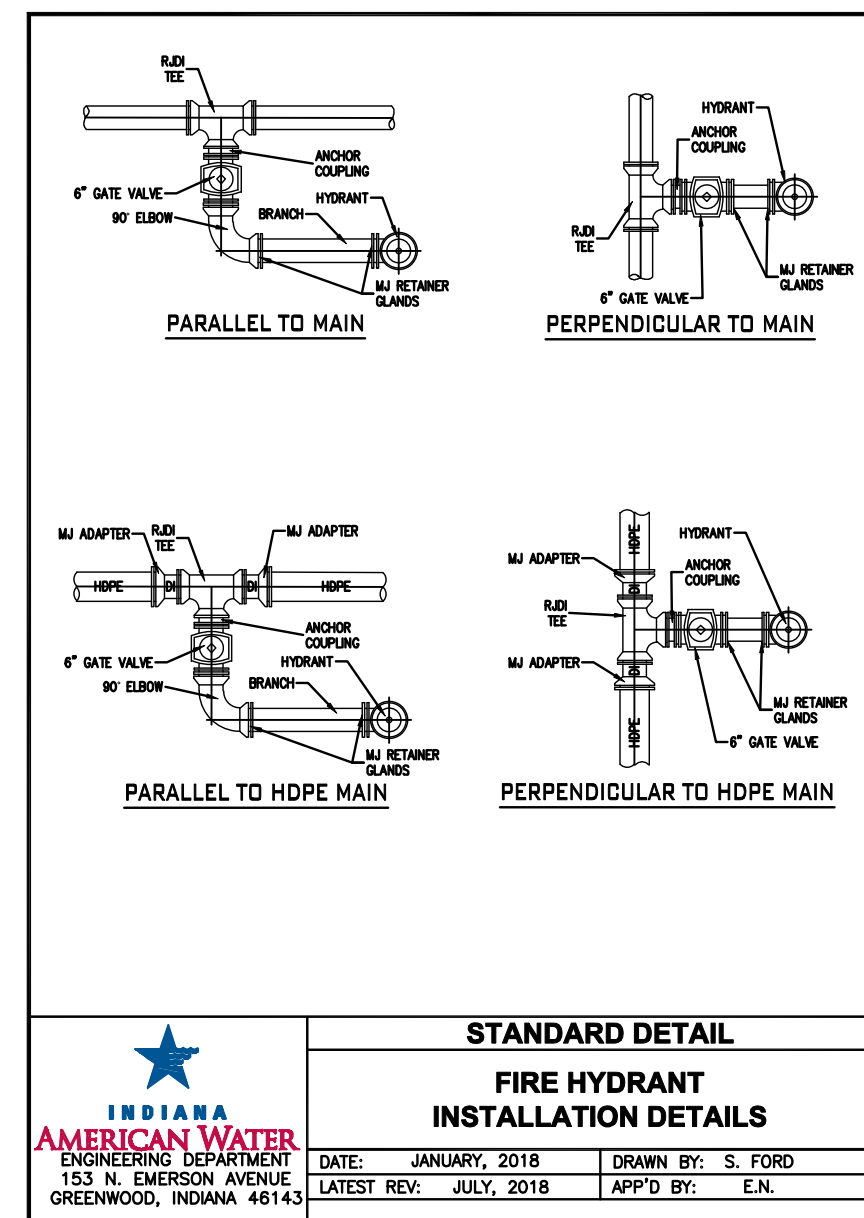
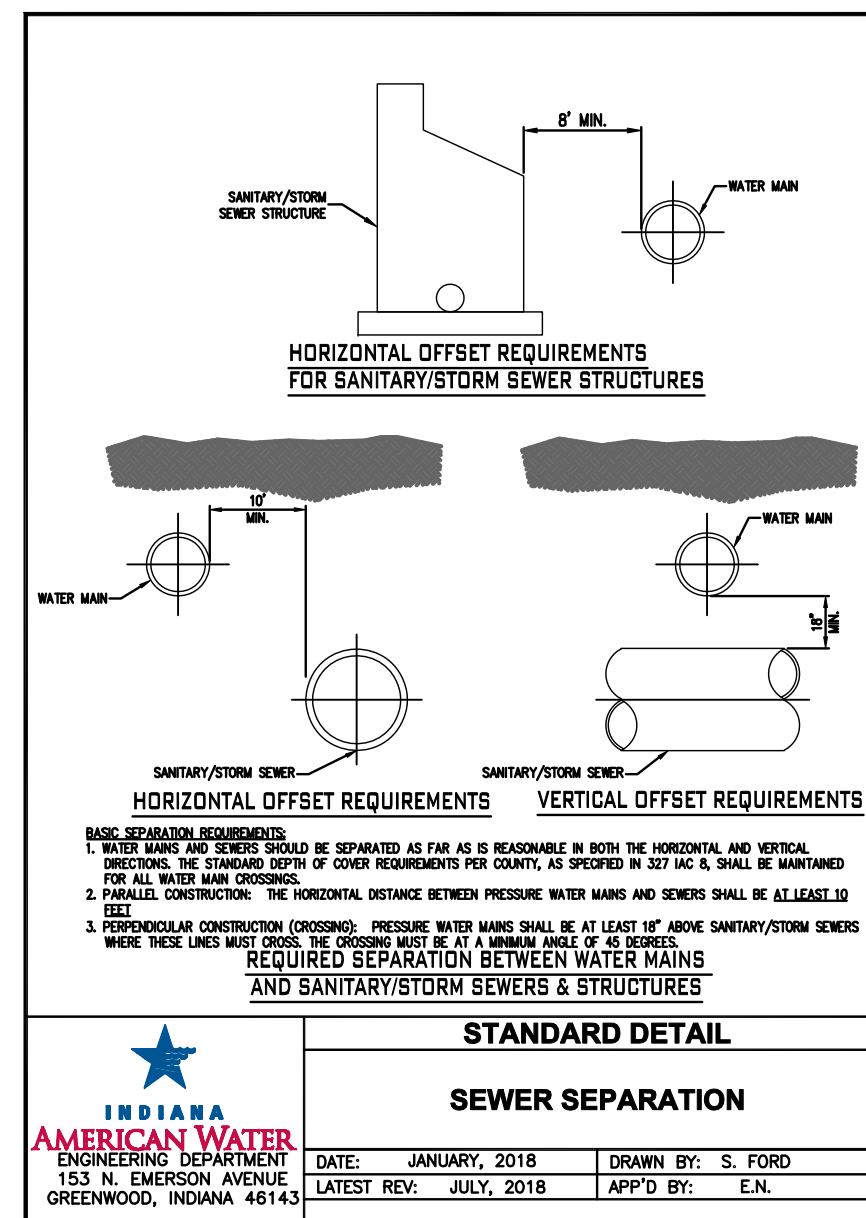
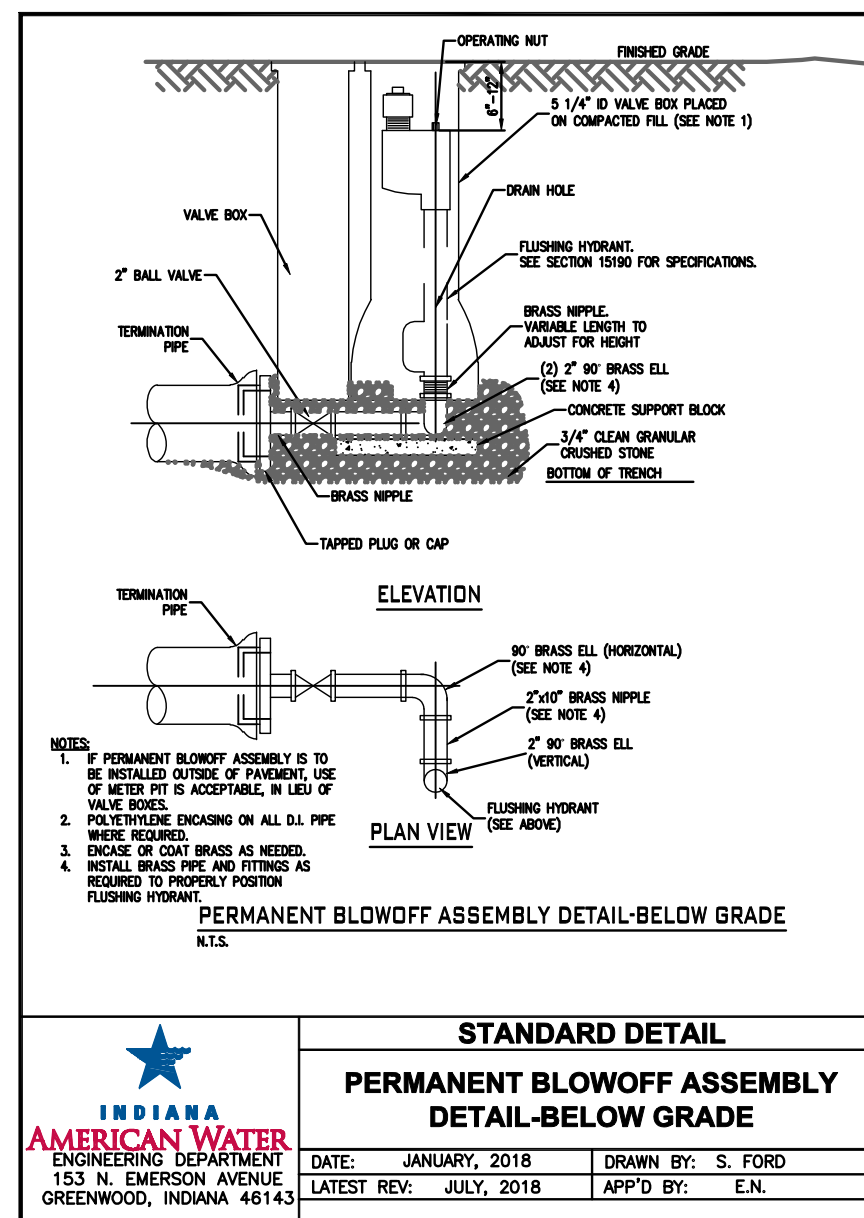
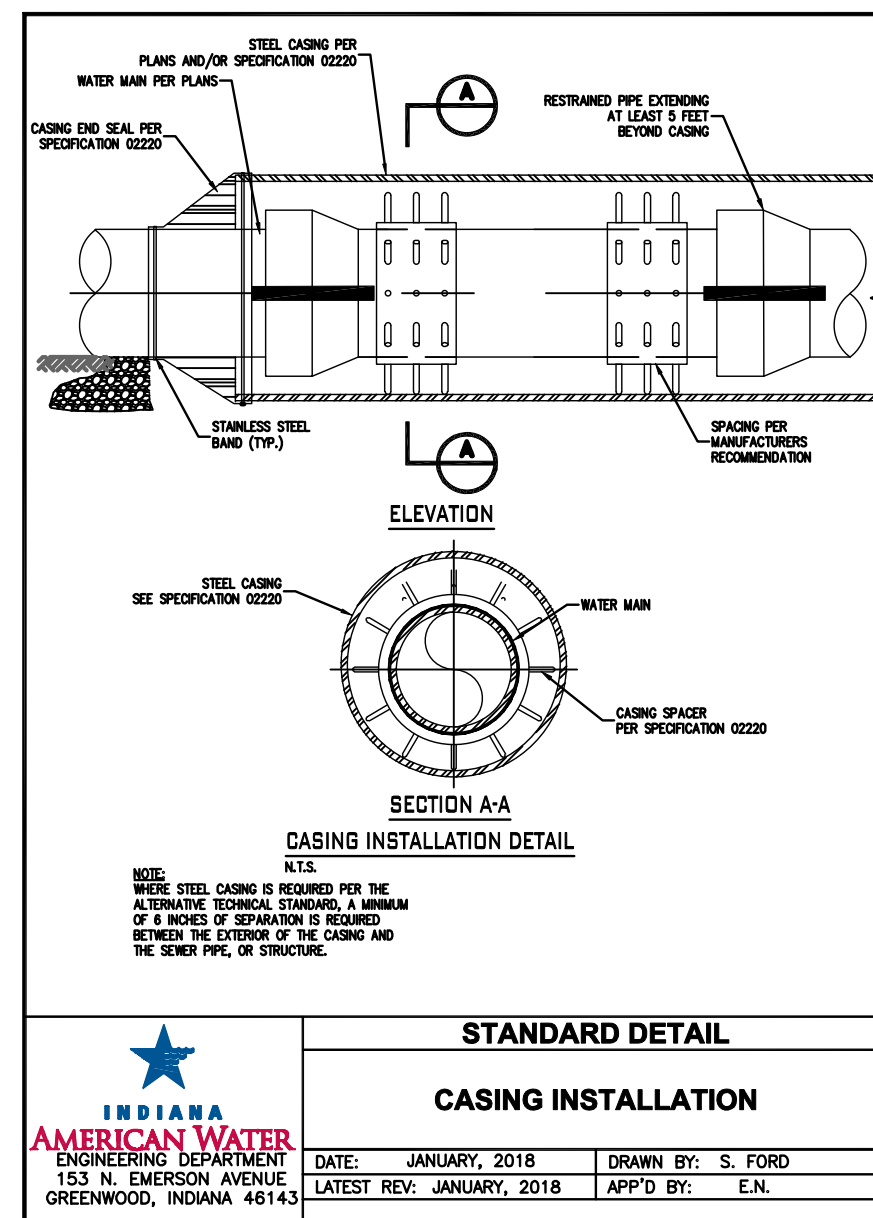
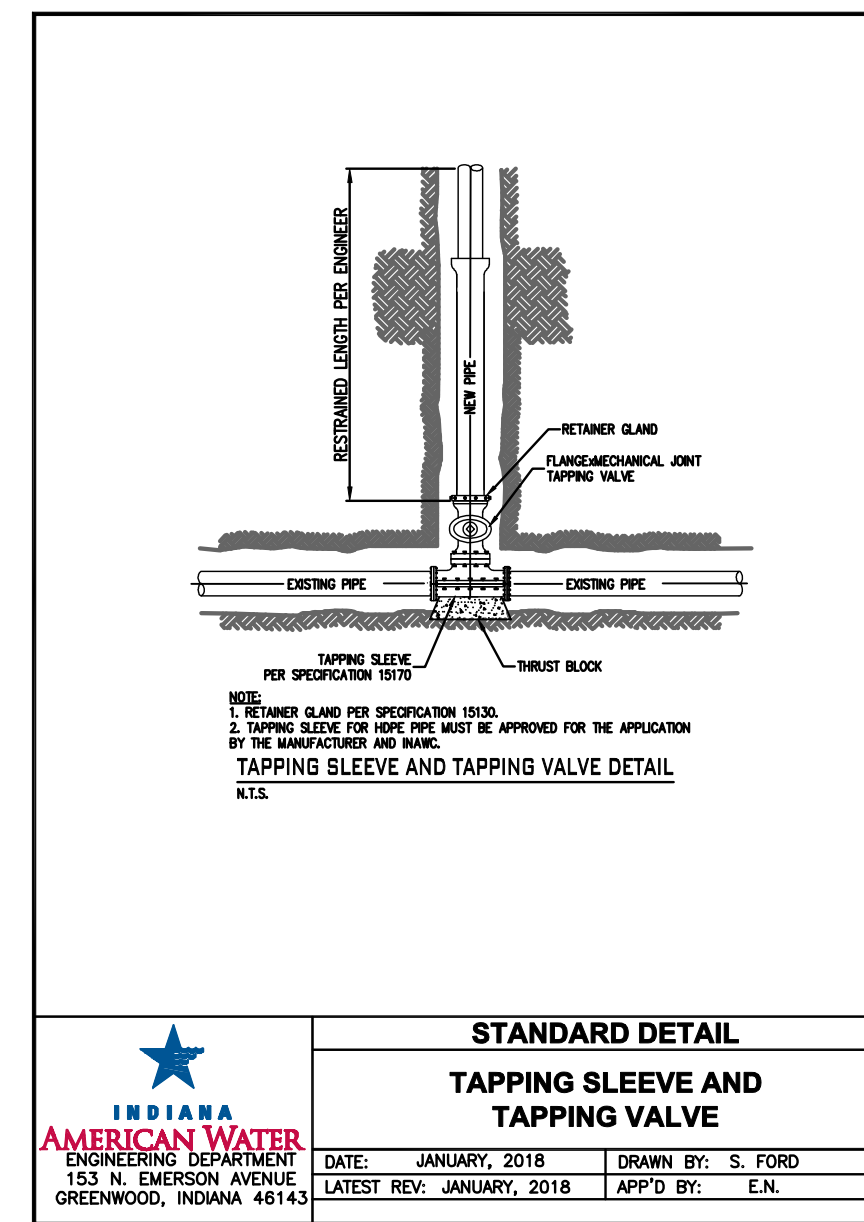
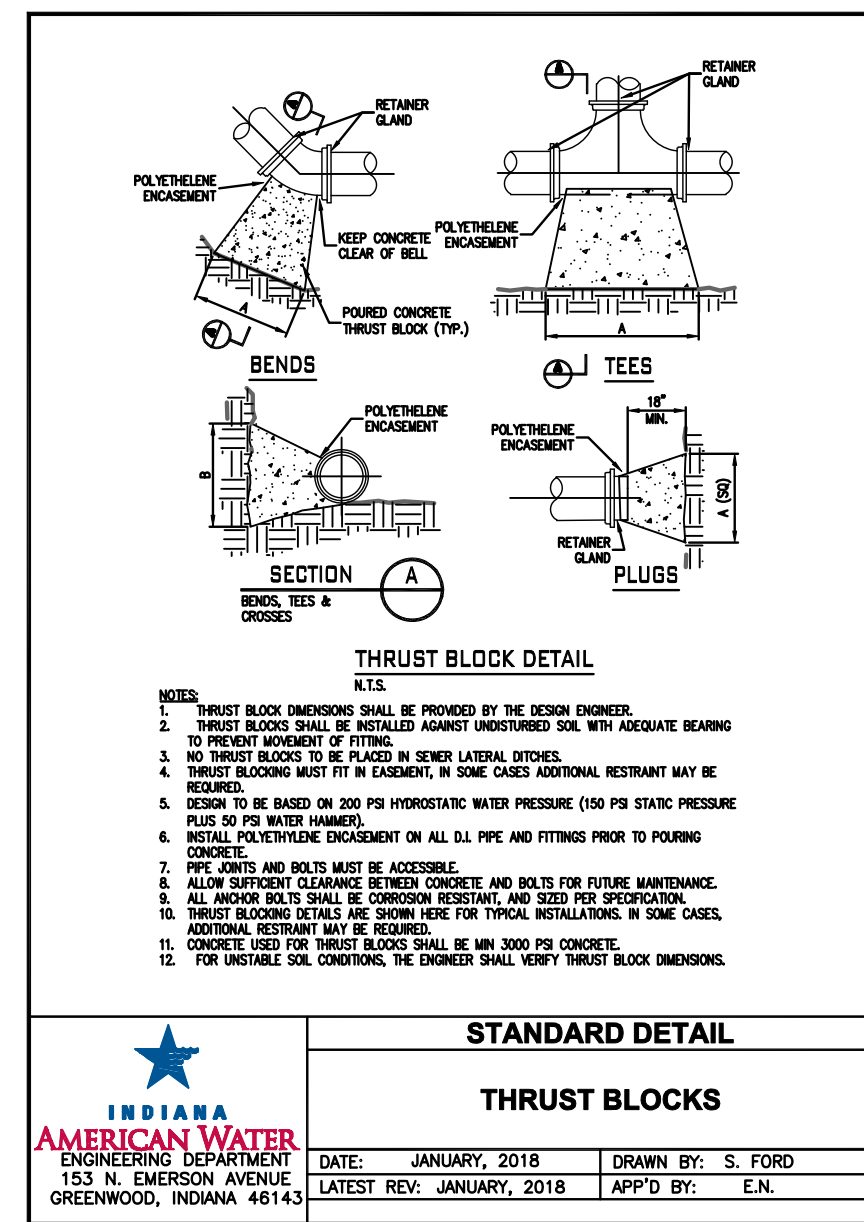
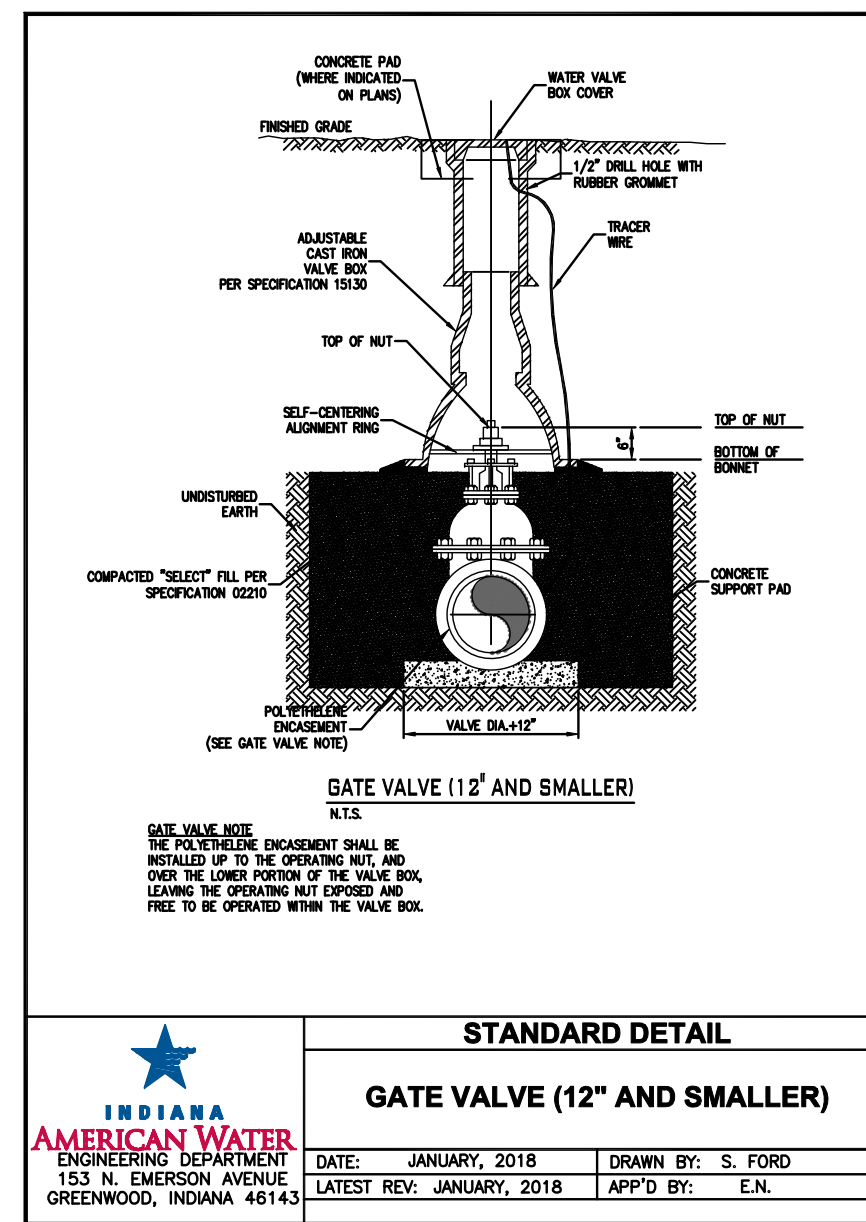
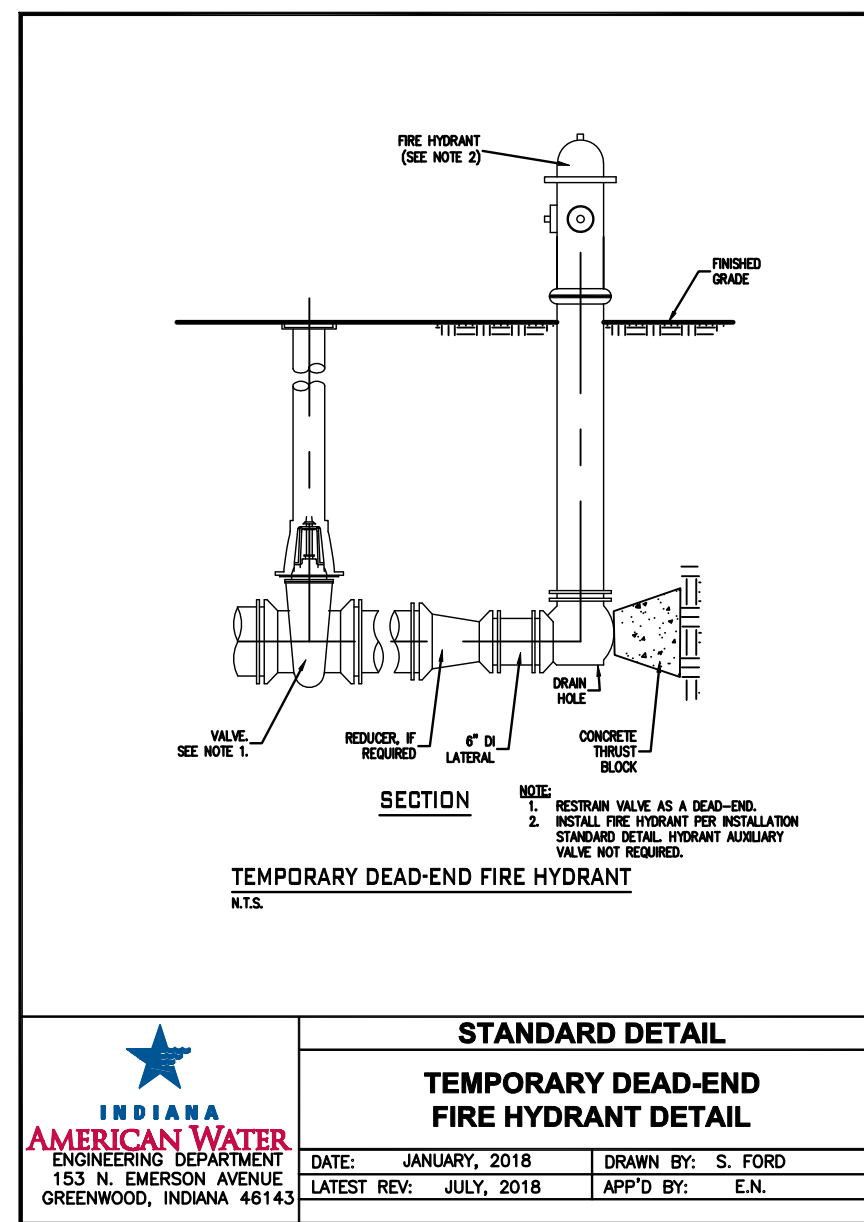
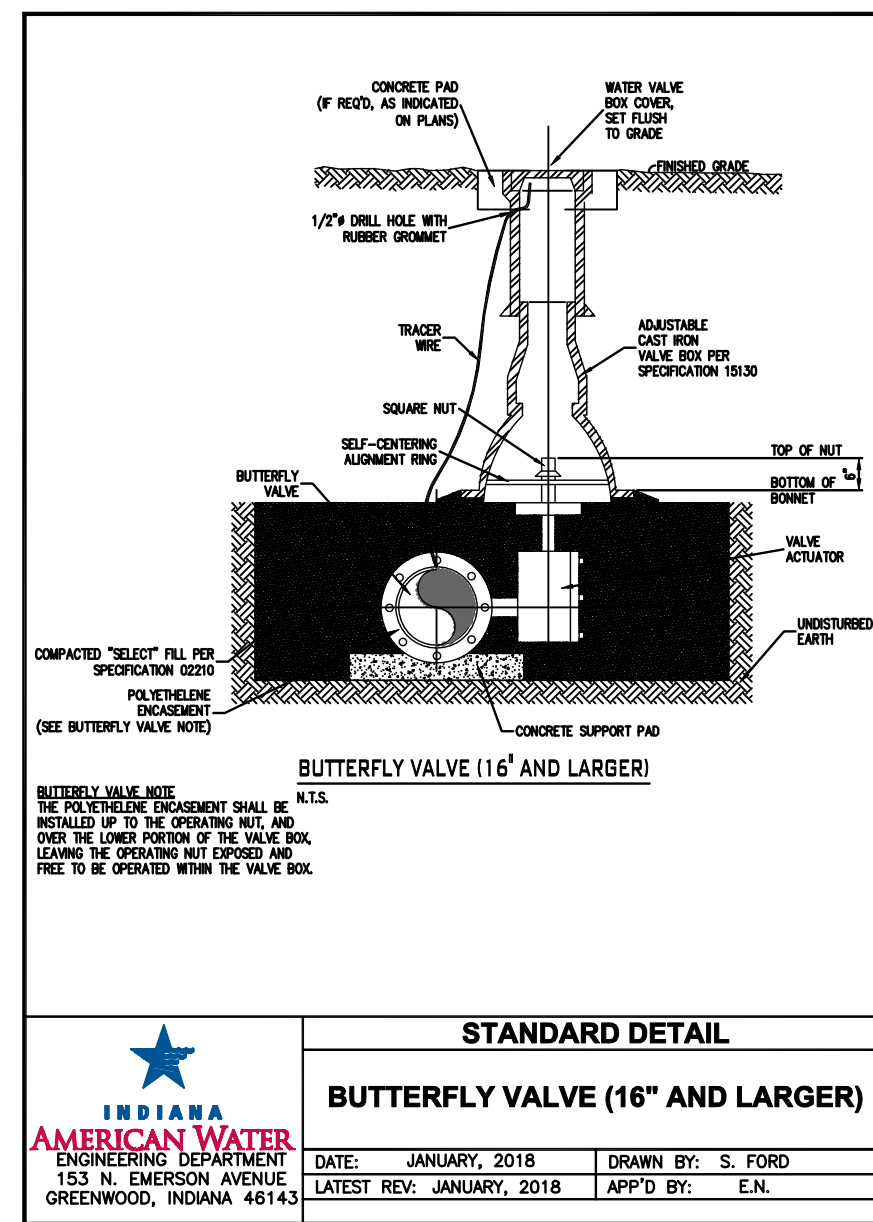
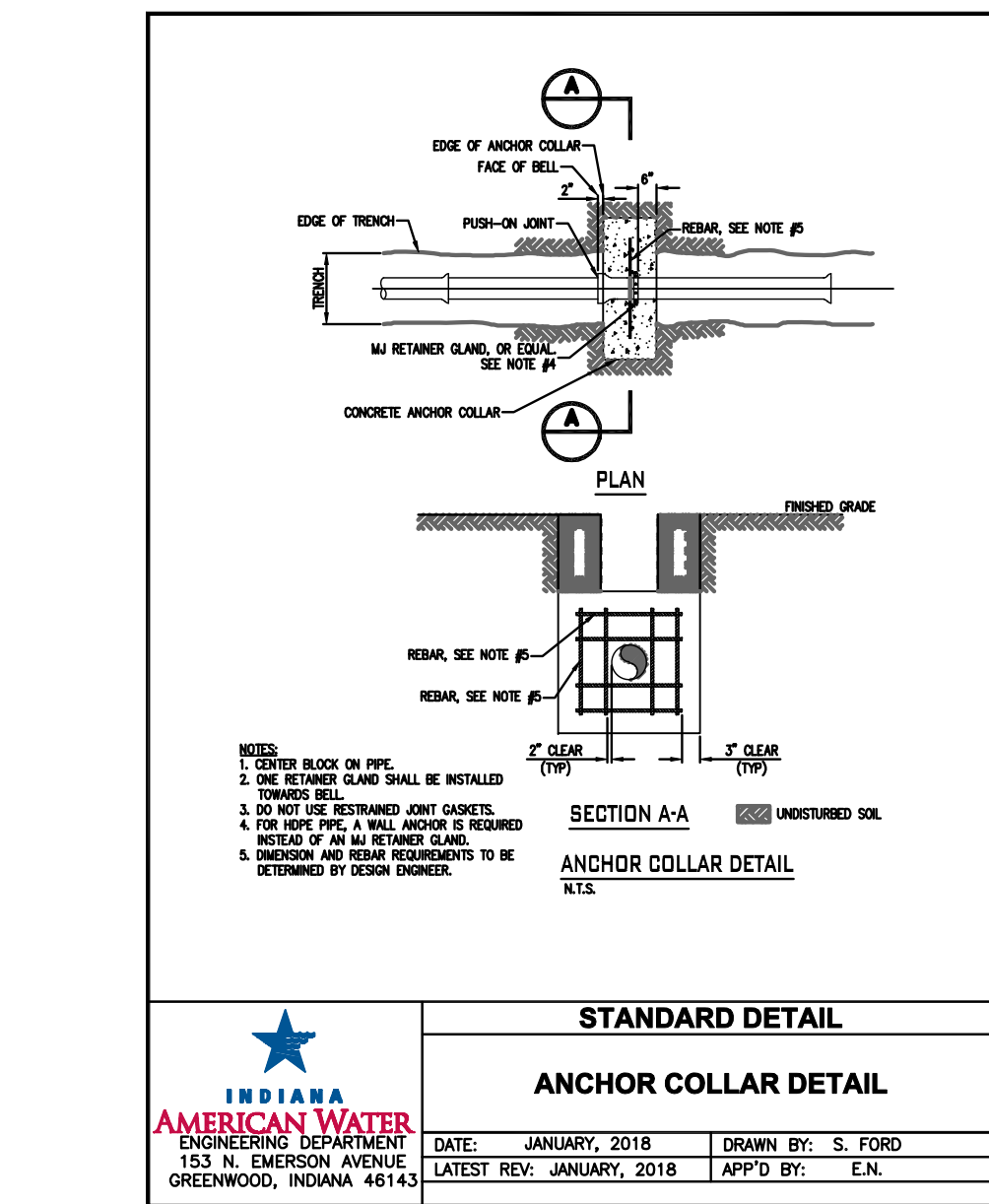
DATE: 09-30-2021
REVISED: 10-27-2021
10-10-2022
12-07-2022

12-21-2022

TORRENGA ENGINEERING, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
907 RIDGE ROAD, MUNSTER, INDIANA 46321

JOB NO.: 2021-5010
SHEET C-1.1



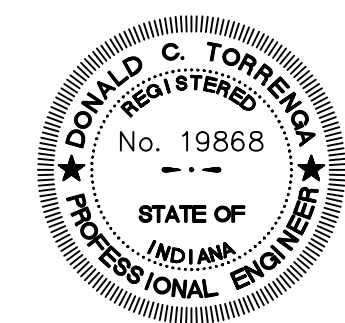


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- Maintain minimum cover depth of X" and a maximum of X'+24".

USER NOTES:

- Depending on water main pipe material, choose between note #3 or #4.
- X" per 327 IAC 8-3.2-17(d)
- 42" min. for SIO



Donald C. Torrence

NEW MIDDLE SCHOOL

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Tel. No.: (219) 836-8918

DETAILS & SPECIFICATIONS

CLIENT: Crown Point Community School
Administrative Service Center
200 East North Street
Crown Point, Indiana 46307

JOB NO: 2021-5010

SCALE: NTS

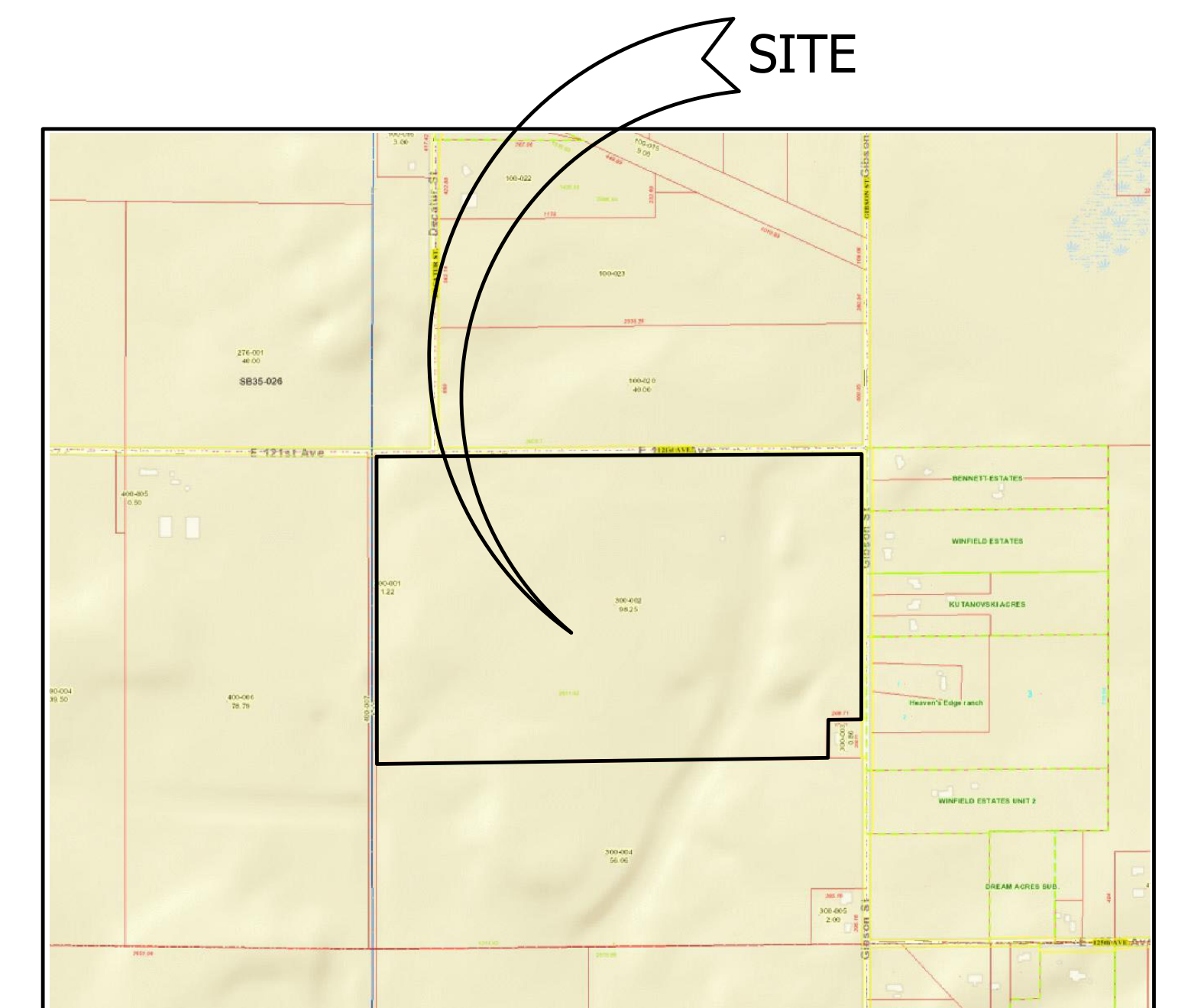
SHEET
C-2.012-21-2022
10-27-2021
REVISIONS:
DATE: 09-30-2021

ROBERT A. TAFT MIDDLE SCHOOL AN ADDITION TO THE TOWN OF WINFIELD, LAKE COUNTY, INDIANA

SUBJECT PARCEL LEGAL DESCRIPTION:
THE NORTH 100 ACRES OF THE SOUTHWEST QUARTER OF SECTION 18, TOWNSHIP 34 NORTH, RANGE 07 WEST
OF THE SECOND PRINCIPAL MERIDIAN, IN LAKE COUNTY, INDIANA; EXCEPT THE WEST 20 FEET THEREOF, AND
EXCEPT THE SOUTH 208.75 FEET OF THE EAST 208.75 FEET THEREOF.

INDEX	
PAGE	DESCRIPTION
COVER	TITLE PAGE
C-1.0	EXISTING TOPOGRAPHY & UTILITIES
C-1.1	DEMOLITION PLAN
C-2.0	SITE PLAN
C-3.0 to C-3.4	STORM SEWERS & GRADING PLAN
C-4.0 to C-4.4	SANITARY SEWERS & WATER MAIN PLAN
C-5.0 to C-5.4	STORM WATER POLLUTION PREVENTION PLAN (SWPPP) – CONSTRUCTION
C-5.5	STORM WATER POLLUTION PREVENTION PLAN (SWPPP) – POST CONSTRUCTION
C-6.0 to C-6.5	DETAILS & SPECIFICATIONS
C-7.0 to C-7.2	PROFILES
C-8.1 to C-8.3	121ST AVENUE AND GIBSON STREET PROFILES
C-8.4 to C-8.6	PROFILE – WATER MAIN ON 121ST AVENUE AND GIBSON STREET
C-9.0 to C-9.1	SWPPP DETAILS & SPECIFICATIONS
1 OF 1	BOUNDARY SURVEY
1 OF 1	DRAIN TILE SURVEY

WATER QUALITY STRUCTURE	
TYPE	LOCATION (STATE PLANE COORDINATES)
DRY POND/ SOUTHWEST DETENTION BASIN	Northing = 2238708.2993 Easting = 2899649.1103
DRY POND/ SOUTHEAST DETENTION BASIN	Northing = 2238862.5771 Easting = 2901200.6168
FOREBAY AREA N. SIDE SOUTHWEST POND	Northing = 2238914.1844 Easting = 2899629.9539
FOREBAY AREA S. SIDE SOUTHWEST POND	Northing = 2238275.5106 Easting = 2900027.3644
FOREBAY AREA SOUTHEAST POND	Northing = 2238973.6162 Easting = 2901101.5776



VICINITY MAP



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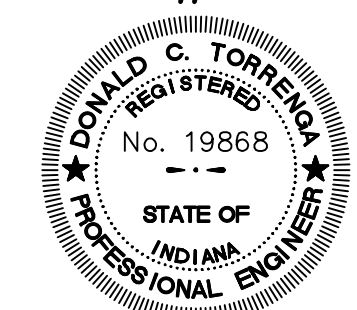
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5	12-07-2022	IAW Submittal	DT/SP/EM
4	08-04-2021	Fourth Engineering Submittal	DT / RT
3	07-19-2021	Third Engineering Submittal	DT / RT
2	06-25-2021	Second Engineering Submittal	DT / RT
1	05-03-2021	Engineering Submittal	DT / RT

OWNER/DEVELOPER:
Crown Point Community School
Corporation
Administrative Service Center
200 East North Street
Crown Point, IN 46307
Ph: (219) 663-3371

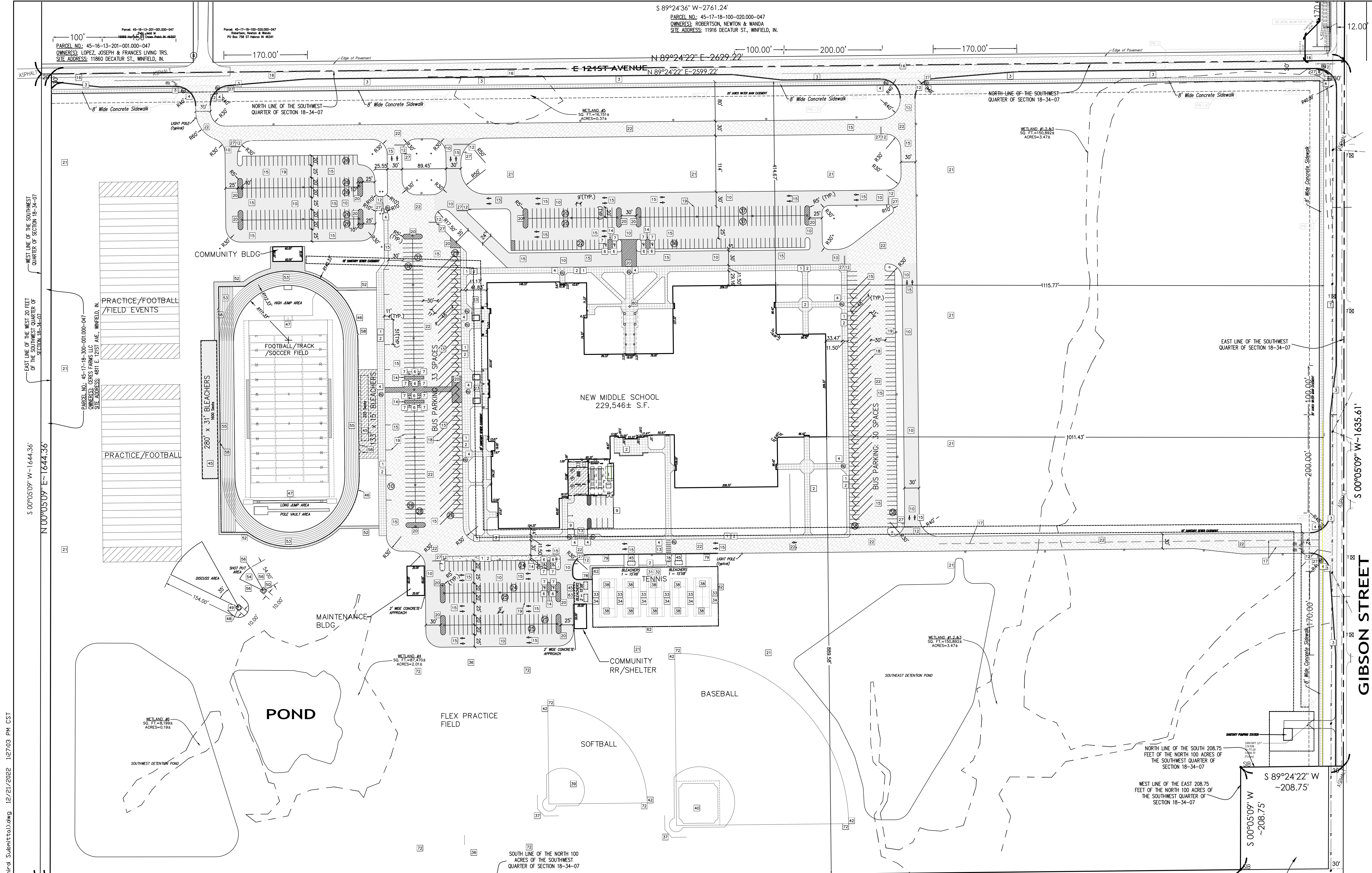
ENGINEER:
Torrenga Engineering, Inc.
907 Ridge Road
Munster, Indiana 46321
Ph.: (219) 836-8918
Fax: (219) 836-1138

DRAWING SET PROGRESS:	
☒	ENGINEERING PLAN - FOR REVIEW / APPROVAL
☐	FINAL ENGINEERING - FOR CONSTRUCTION

CERTIFIED BY: DONALD C. TORRENGA
P.E. # 19868



Donald C. Torrenga



NOTES:
1. EXISTING ZONING: AGRICULTURE (AG)
PROPOSED ZONING: PLANNED UNIT DEVELOPMENT
2. TOTAL SITE AREA 95.465±AC. (4,158,465± S.F.)
3. SEE ARCHITECTURAL PLAN FOR ACTUAL PROPOSED BUILDINGS DIMENSIONS AND DETAILS.
4. PARKING REQUIREMENTS:
PARKING SIZE REQUIRED - 9' x 20'
WITH MINIMUM 25' DRIVE AISLES (TWO LANE AISLE).
NEW CROWN POINT MIDDLE SCHOOL:
PROPOSED PARKING:
TOTAL REGULAR SPACES - 690 SPACES (16 HC SPACES INCLUDED)
TOTAL BUS SPACES - 73 SPACES

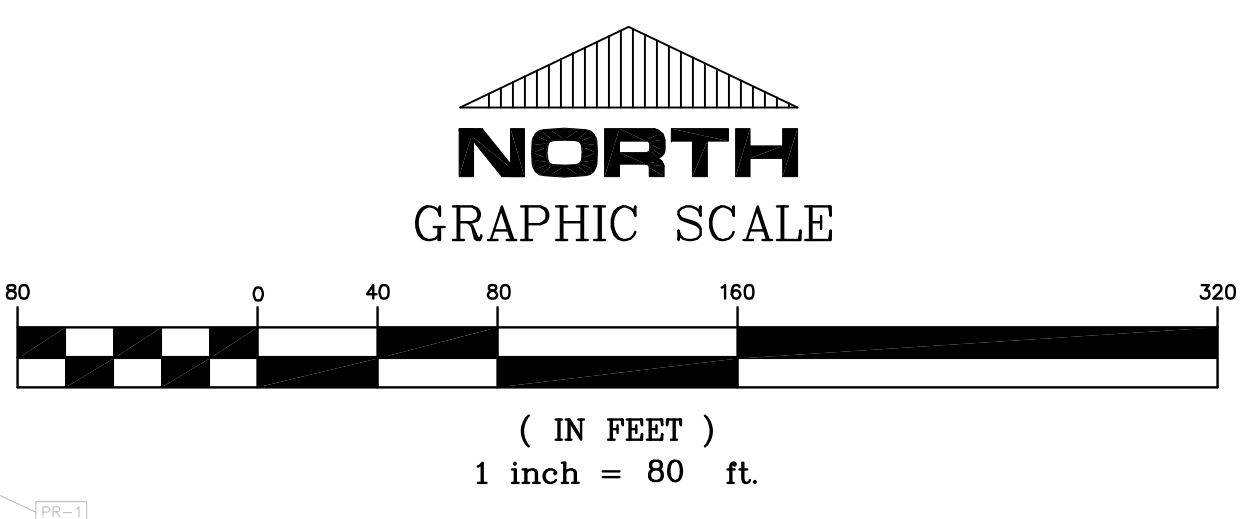
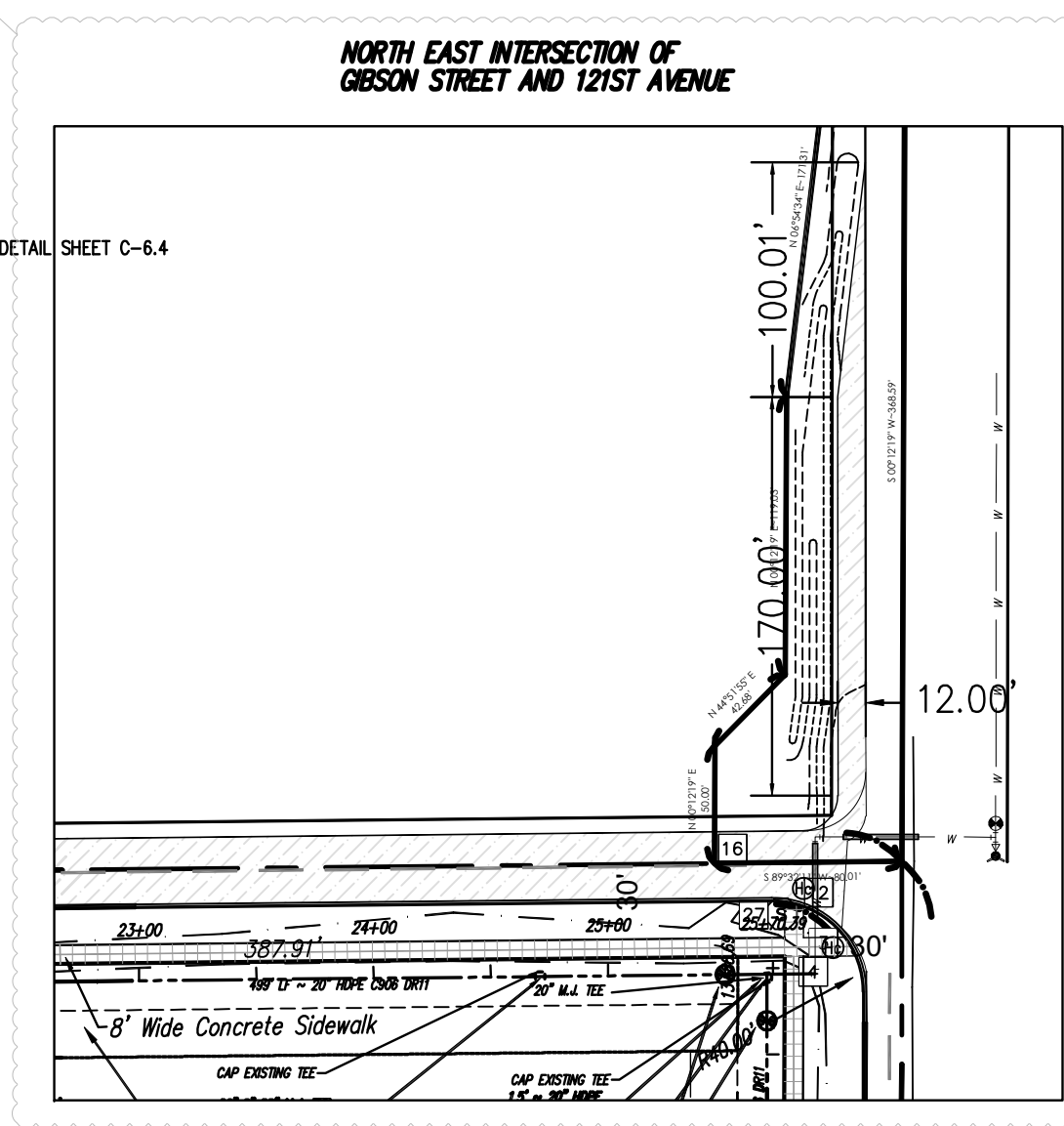
LEGEND:

PROPOSED

(A)	TYPICAL ASPHALT
(B)	HEAVY DUTY ASPHALT
(C)	TOWN OF WINFIELD ASPHALT STANDARD DETAIL
(CP)	CONCRETE PAVEMENT
(D)	ASPHALT SIDEWALK
(E)	CONCRETE SIDEWALK
(L)	LIGHT POLE
(HC)	HANDICAP ACCESS RAMP
(O)	100' YEAR EMERGENCY OVERFLOW EASEMENT

GENERAL NOTES

1. TYPICAL PERIMETER SIDEWALK - SEE DETAIL SHEET C-2.2
2. SIDEWALK EXPANSION JOINT & TYPICAL SIDEWALK DETAIL - SEE SHEETS C-6.1 & C-6.2
3. ROLLED CURB AND GUTTER DETAIL - SEE DETAIL SHEET C-6.4
4. HANDICAP RAMP - SEE DETAIL SHEET C-6.4
5. ACCESSIBILITY SIGNAGE - SEE DETAIL SHEET C-6.2
6. INTERNATIONAL SYMBOL OF ACCESSIBILITY PROPORTIONS SHEET C-6.2
7. BARRIER CURB TYPE D - SEE DETAIL SHEET C-6.2
8. ASPHALT PAVEMENT SECTION - SEE DETAIL SHEET C-6.2
9. 12" WIDE WHITE THERMOPLASTIC STOP BAR
10. CONTINENTAL CROSSWALK DETAIL - SEE DETAIL SHEET C-6.3
11. ACCESSIBILITY AND PARKING STRIPING DETAIL - SEE DETAIL SHEET C-6.3, NOTE 2
12. TRAFFIC MARKINGS - SEE DETAIL SHEET C-6.4
13. PAINTED 4" WIDE WHITE DASHED TRAFFIC LINE
14. PAINTED 4" WIDE WHITE SOLID TRAFFIC LINE
15. PAINTED 4" WIDE WHITE PARKING MARKING
16. PAINTED 4" WIDE WHITE PARKING MARKING
17. ACCESSIBILITY AND PARKING STRIPING DETAIL - SEE DETAIL SHEET C-6.3, NOTE 1
18. SWALE DETAIL - SEE DETAIL SHEET C-6.2
19. HEAVY DUTY ASPHALT PAVEMENT SECTION - SEE DETAIL SHEET C-6.2
20. CONCRETE PLANTERS (SEE ARCHITECTURAL DRAWINGS)
21. "TROP" SIGN - SIGN AND POST (FREE STANDING) - SEE DETAIL SHEET C-6.2
22. ROLLED CURB AND GUTTER DETAIL - SEE DETAIL SHEET C-6.1
23. 5 TENNIS COURTS COMPLETE WITH TENNIS NET SUPPORTERS, TENNIS TENNIS COURT PAVEMENT - SEE DETAIL SHEET C-6.4
24. TENNIS NET SUPPORT POST - SEE DETAIL SHEET C-6.4
25. TENNIS NET ANCHOR - SEE DETAIL SHEET C-6.4
26. SOCCER GOAL
27. SOFTBALL/BASEBALL BACKSTOP - SEE DETAIL SHEET C-6.4
28. TENNIS COURT SAW JOINT LAYOUT - SEE DETAIL SHEET C-6.4
29. SOFTBALL INFIELD WITH HOME PLATE, PITCHER'S PLATE, AND BAKES
30. BASEBALL INFIELD WITH HOME PLATE, PITCHER'S PLATE, AND BAKES
31. FOUL BALL POLE MARKER - SEE DETAIL SHEET C-6.4
32. BLEACHERS - SEE ARCHITECTURAL DRAWINGS
33. 4" CHAIN LINK FENCE - SEE FENCE/GATE DETAIL ON SHEET C-6.3
34. FOOTBALL GOAL POSTS (OFFSET SINGLE SUPPORT POST FOOTBALL GOAL ON MAIN FIELD) - SEE DETAIL SHEET C-6.4
35. DISCOURSE CAGE
36. CONCRETE DISCOURSE THROW PAD - SEE DETAIL SHEET C-6.3
37. CONCRETE SHOT PUT PAD - SEE DETAIL SHEET C-6.3
38. LONG JUMP PIT - SEE DETAIL SHEET C-6.3
39. ASPHALT PAVEMENT - SEE DETAIL SHEET C-6.4
40. ASPHALT PAVEMENT WITH ALL-WEATHER SURFACE - SEE DETAIL SHEET C-6.4
41. 8" OF SAND ON FILTER FABRIC
42. 2" WIDE WHITE PAINTED STRIPING ON ALL-WEATHER SURFACE
43. 2" x 8" TREATED WOOD EDGING WITH 2" x 2" x 12" TREATED WOOD STAKES AT 3' O.C.
44. 4" CHAINLINK FENCE GATE SAME MATERIAL AS FENCE - SEE DETAIL SHEET C-6.3
45. 10' VINYL COATED FENCE - SEE FENCE/GATE DETAIL ON SHEET C-6.3
46. THREE BEAM GUARDRAIL DETAILS - SEE SHEET C-6.3
47. BURIED FIELD CORNER MARKER - SEE DETAIL SHEET C-6.4
48. CONCRETE DRIVEWAY APPROX DETAIL - SEE SHEET C-6.3
49. NEW 6" TALL VINYL COATED FENCE GATE - SEE SHEET C-6.3
50. CONCRETE HOV BACK CURB AND GUTTER - SEE SHEET C-6.2
51. FLAG POLE FOUNDATION - SEE SHEET C-6.2



GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
NEW MIDDLE SCHOOL
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

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Homepage: www.GibraltarDesign.com
Email: info@GibraltarDesign.com
Phone: 317.580.5777 Fax: 317.580.5778

PROJECT
21-107
DATE
05/24/21
COORDINATED BY
DCT
DRAWN BY
DCT EM
CHECKED BY
DCT RAT

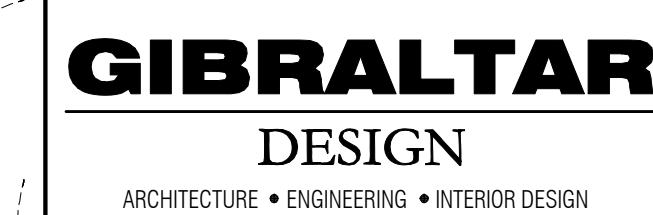
REVISIONS

MARK	DATE	ISSUED FOR
01	05/24/21	PROPOSAL REQUEST NO. 2
02	07/20/21	PROPOSAL REQUEST NO. 1
03	08/20/21	PROPOSAL REQUEST NO. 3

DRAWING
SITE PLAN

PROJECT
NEW MIDDLE SCHOOL

© GIBRALTAR DESIGN SHEET
C-2.0



CROWN POINT COMMUNITY
SCHOOL CORPORATION
CROWN POINT, INDIANA

PROJECT 21-107	
DATE 05/24/21	
COORDINATED BY DCT	
DRAWN BY DCT EM	
CHECKED BY DCT RAT	

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REVISIONS		
MARK	DATE	ISSUED FOR
AD-2	06/16/2021	ADDENDUM NO. 2
PR-3	08/20/2021	PROPOSAL REQUEST NO. 3
	12/07/2022	IAW SUBMITTAL
	12/21/2022	IAW APPROVED REVISIONS

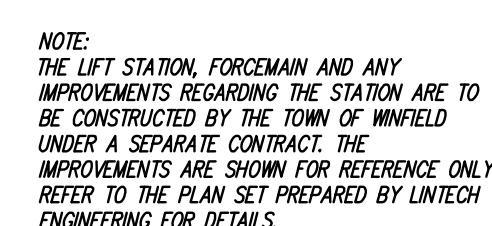
DRAWING
SANITARY SEWERS & WATER
MAIN PLAN

PROJECT	
NEW MIDDLE SCHOOL	

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SHEET

C-4.0



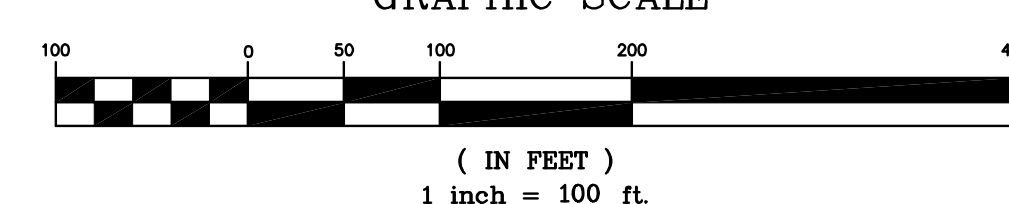
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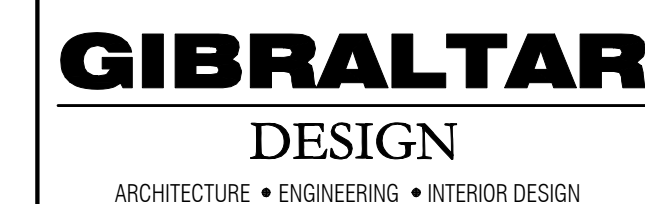
PROPOSED

-  FIRE HYDRANT
-  WATER GATE VALVE & BOX
-  WATER MAIN
-  SANITARY SEWERS
-  STORM SEWERS
-  CONTOURS
-  DRAINAGE FLOW
-  GRADE



GRAPHIC SCALE





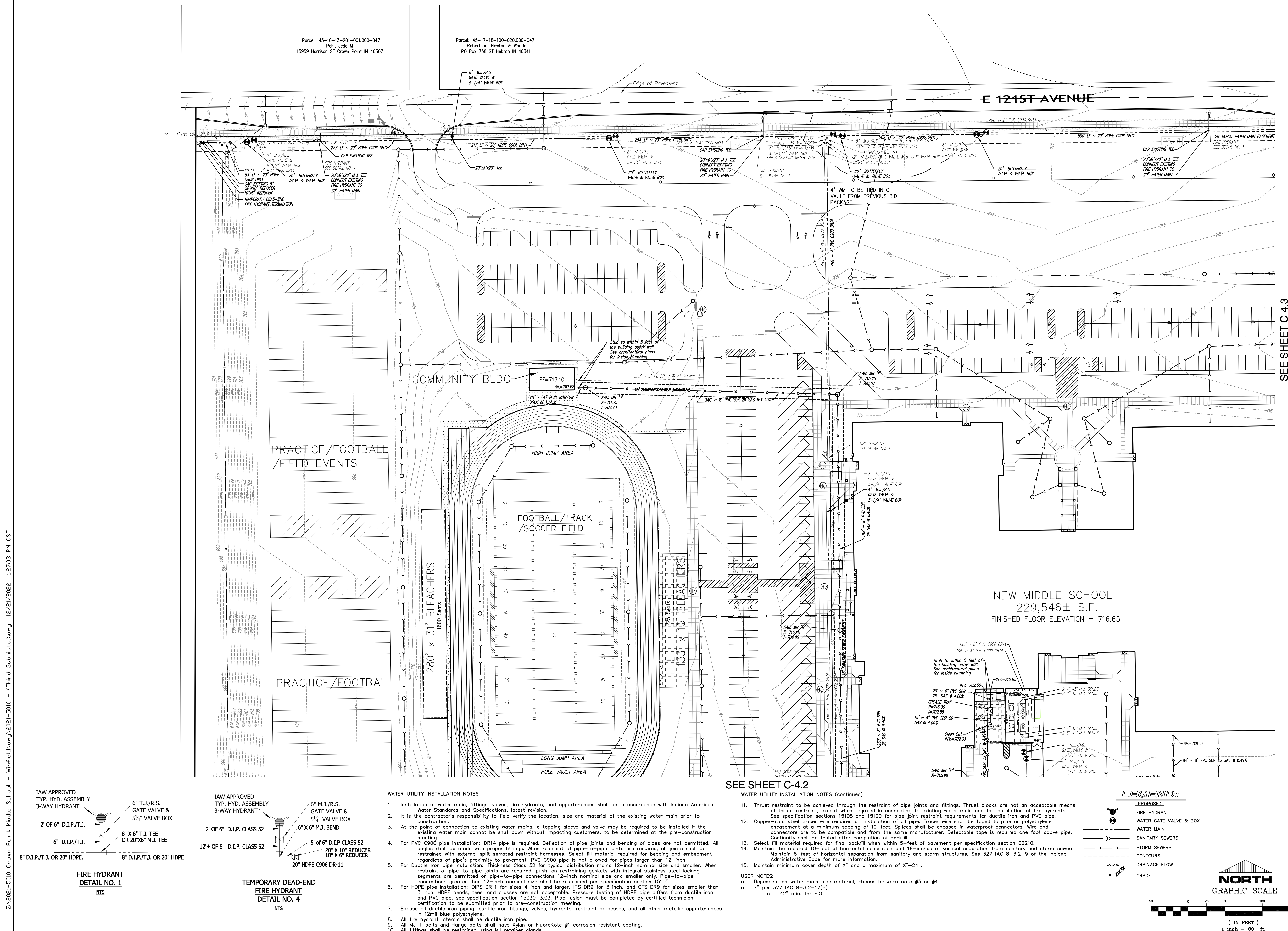
CROWN POINT COMMUNITY
SCHOOL CORPORATION
CROWN POINT, INDIANA

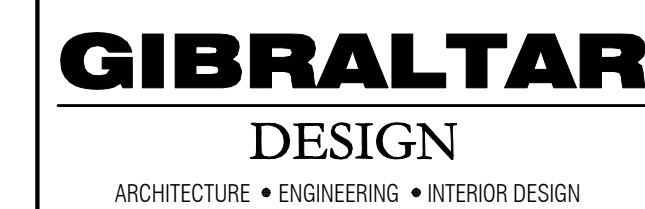
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DRAWING
SANITARY SEWERS & WATER
MAIN PLAN

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C-4.1





CROWN POINT COMMUNITY
SCHOOL CORPORATION
CROWN POINT, INDIANA

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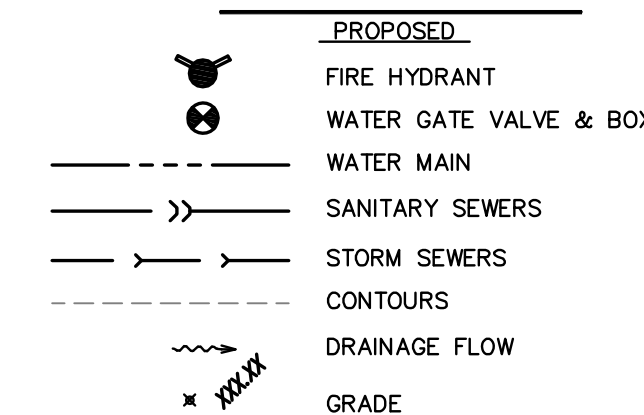
DRAWING
SANITARY SEWERS & WATER
MAIN PLAN

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C-4.3



NOTE:
THE LIFT STATION, FORCEMAIN AND ANY
IMPROVEMENTS REGARDING THE STATION ARE TO
BE CONSTRUCTED BY THE TOWN OF WINFIELD
UNDER A SEPARATE CONTRACT. THE
IMPROVEMENTS ARE SHOWN FOR REFERENCE ONLY.
REFER TO THE PLAN SET PREPARED BY LINTECH
ENGINEERING FOR DETAILS.



WATER UTILITY INSTALLATION NOTES (continued)

11. Thrust restraint to be achieved through the restraint of pipe joints and fittings. Thrust blocks are not an acceptable means of thrust restraint, except when required in connecting to existing water main and for installation of fire hydrants. See specification sections 15105 and 15120 for pipe joint restraint requirements for ductile iron and PVC pipe.
12. Coped elbows shall be installed in accordance with the manufacturer's instructions. Elbows shall be encased in a minimum spacing of 10-feet. Splices shall be encased in waterproof connectors. Wire and cable shall be encased in a minimum spacing of 10-feet. All encasement shall be done in accordance with the same manufacturer. Detectable tape is required one foot above pipe. Continuity shall be tested after completion of backfill.
13. Select fill material required for final backfill when within 5-feet of pavement per specification section 02210. Material shall be required for all trench backfills within 18-inches of vertical trench walls and trench sumps.
14. Maintain 8-feet of horizontal separation from sanitary and storm structures. See 327 IAC 8-3.2-9 of the Indiana Administrative Code for more information.
15. Maintain minimum cover depth of 4'-0" and a maximum of 7'-24".

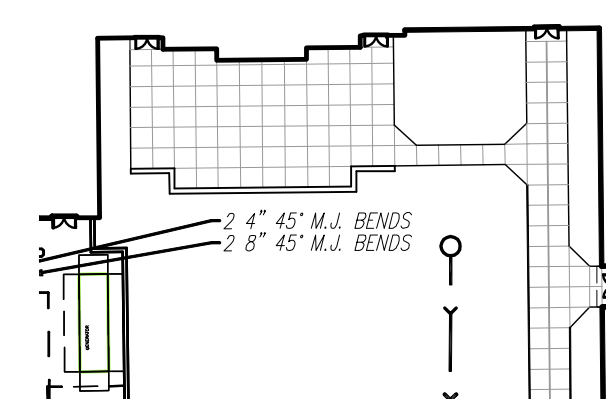
USER NOTES:

- o Depending on water main pipe material, choose between note #3 or #4
- o X" per 327 IAC 8-3.2-17(d)
 - o 42" min. for SIO

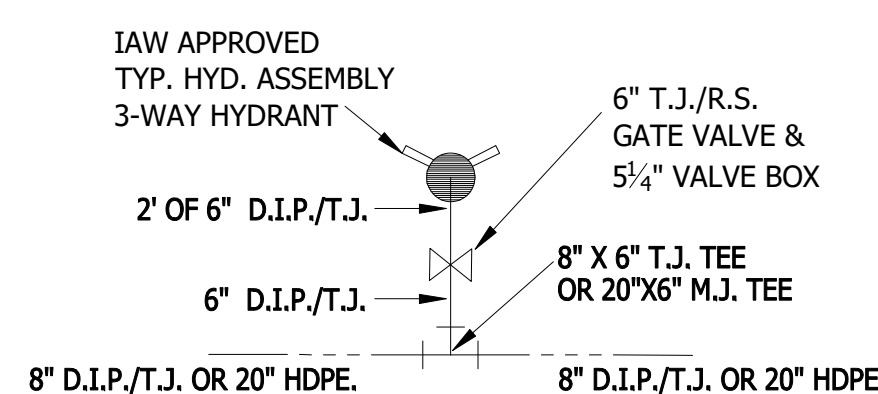
WATER UTILITY INSTALLATION NOTES

1. Installation of water mains, fittings, valves, fire hydrants, and appurtenances shall be in accordance with Indiana American Water Standards and Specifications, latest revision.
2. It is the contractor's responsibility to verify the location, size and material of the existing water main prior to construction.
3. At the point of connection to existing water mains, a tapping sleeve and valve may be required to be installed if the existing water main cannot be shut down without impacting customers, to be determined at the pre-construction meeting.
4. For PVC C900 pipe installation: DR14 pipe is required. Deflection of pipe joints and bending of pipes are not permitted. All angles shall be made with proper fittings. When restraint of pipe-to-pipe joints are required, all joints shall be restrained with external restraint devices. Restraints shall be installed on all joints and on all pipe segments greater than 12-inches, regardless of pipe's proximity to pavement. PVC C900 pipe is not allowed for pipes larger than 12-inch.
5. Ductile iron pipe installation: The same Class 52 for all typical distribution mains 12-inch nominal size and smaller. All pipe segments greater than 12-inches shall be restrained with external restraint devices. Restraints shall be installed on all joints and on all pipe segments greater than 12-inches nominal size and smaller only. Pipe-to-pipe connections are permitted on pipe-to-pipe connections 12-inch nominal size and smaller only. Pipe-to-pipe connections greater than 12-inches nominal size shall be restrained with external restraint devices.
6. For HDPE pipe installation: DIPS DR11 for sizes 4 inches and larger, IPS DR9 for 3 inch, and CTS DR9 for sizes smaller than 3 inch. HDPE bends, tees, and crosses are not acceptable. Pressure testing of HDPE pipe differs from ductile iron pipe. For PVC pipe, see Item 10. For HDPE pipe, the testing shall be completed by certified technician; certification to be submitted prior to pre-construction meeting.
7. Encase all ductile iron piping, ductile iron fittings, valves, hydrants, restraint harnesses, and all other metallic appurtenances with a minimum of 2 inches of concrete.
8. All fire hydrant laterals shall be ductile iron pipe.
9. All elbows and fittings shall be ductile iron or Fluorocote #1 corrosion resistant coating.
10. All fittings shall be restrained using MJ restraint glands.

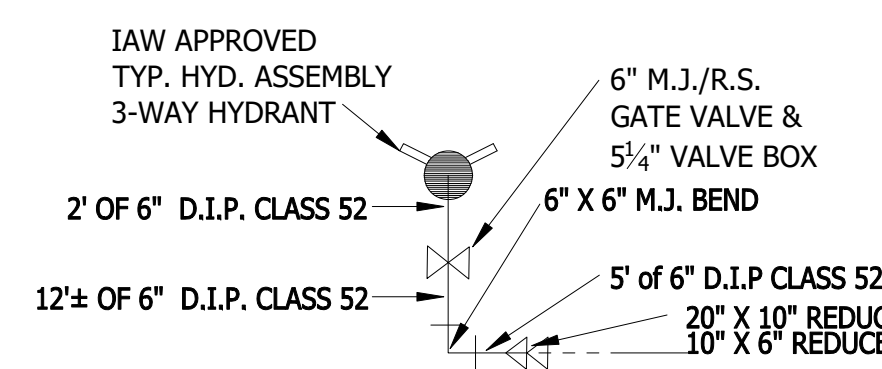
MIDDLE SCHOOL
29,546± S.F.
LOOR ELEVATION = 716.65



SEE SHEET C-4.4



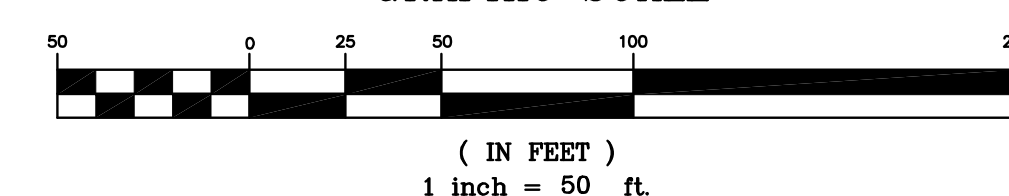
FIRE HYDRANT
DETAIL NO. 1
NTS

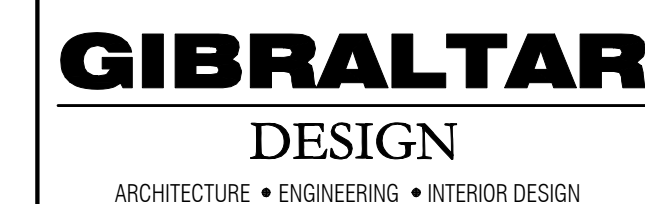


TEMPORARY DEAD-END
FIRE HYDRANT
DETAIL NO. 4



NORTH
GRAPHIC SCALE





PROJECT
NEW MIDDLE
SCHOOL

CROWN POINT COMMUNITY
SCHOOL CORPORATION
CROWN POINT, INDIANA

GIBRALTAR DESIGN

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PROJECT 21-107 DATE 05/24/21 COORDINATED BY DCT DRAWN BY DCT EM CHECKED BY	 
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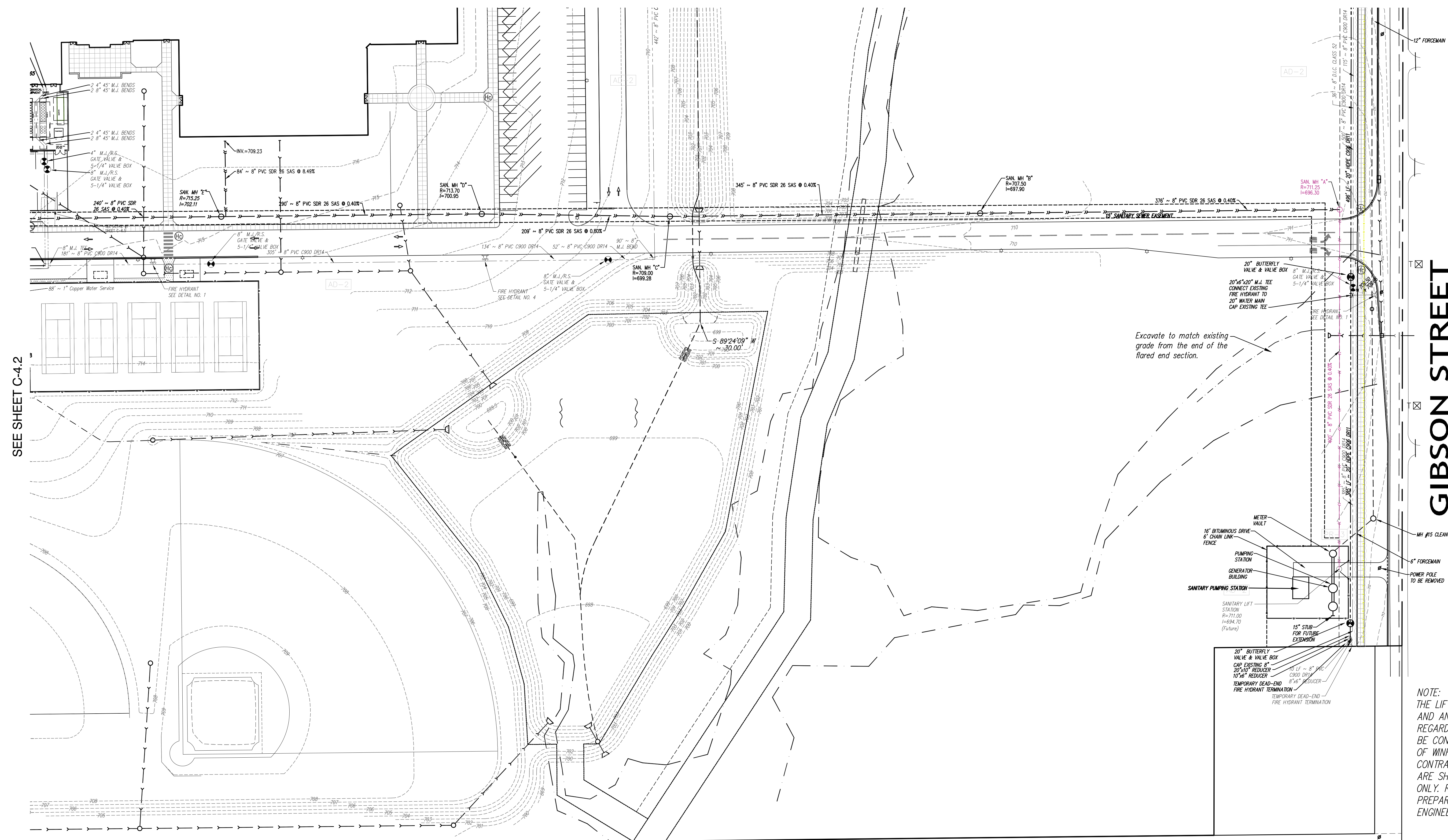
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DRAWING
SANITARY SEWERS & WATER
MAIN PLAN

PROJECT	
NEW MIDDLE SCHOOL	

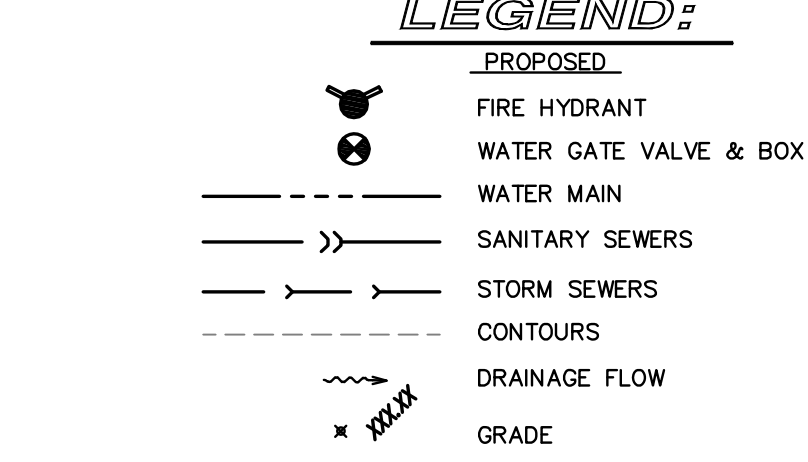
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SHEET
C-4.4

SEE SHEET C-4.3

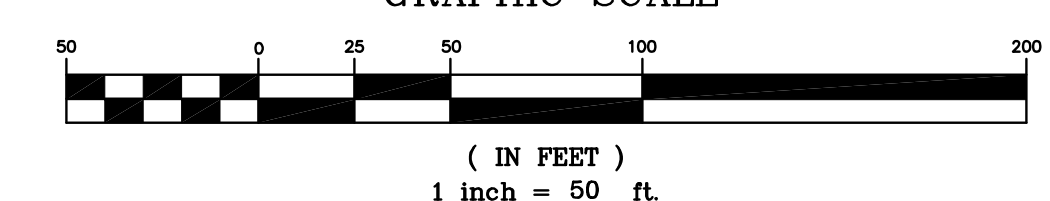


NOTE:
THE LIFT STATION, FORCEMAIN
AND ANY IMPROVEMENTS
REGARDING THE STATION ARE TO
BE CONSTRUCTED BY THE TOWN
OF WINFIELD UNDER A SEPARATE
CONTRACT. THE IMPROVEMENTS
ARE SHOWN FOR REFERENCE
ONLY. REFER TO THE PLAN SET
PREPARED BY LINTECH
ENGINEERING FOR DETAILS.

LEGEND:



NORTH
GRAPHIC SCALE



IAW APPROVED
TYP. HYD. ASSEMBLY
3-WAY HYDRANT

2" OF 6" D.I.P./T.J.

6" D.I.P./T.J.

6" T.J./R.S.
GATE VALVE &
5 1/4" VALVE BOX

8" X 6" T.J. TEE
OR 20"X6" M.J. TEE

8" D.I.P./T.J. OR 20" HDPE

P.T.J. OR 20" HDPE

FIRE HYDRANT
DETAIL NO. 1
NTS

IAW APPROVED
TYP. HYD. ASSEMBLY
3-WAY HYDRANT

2' OF 6" D.I.P. CLASS 52

2' ± OF 6" D.I.P. CLASS 52

6" M.J./R.S.
GATE VALVE &
5 1/4" VALVE BOX

6" X 6" M.J. BEND

5' OF 6" D.I.P. CLASS 52

20" X 10" REDUCING

10" X 6" REDUCING

TEMPORARY DEAD-END
FIRE HYDRANT
DETAIL NO. 4

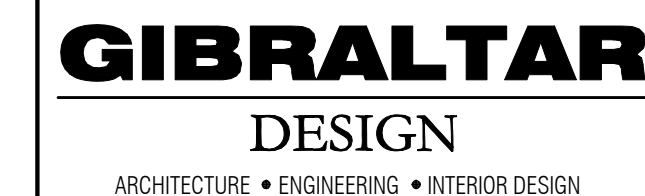
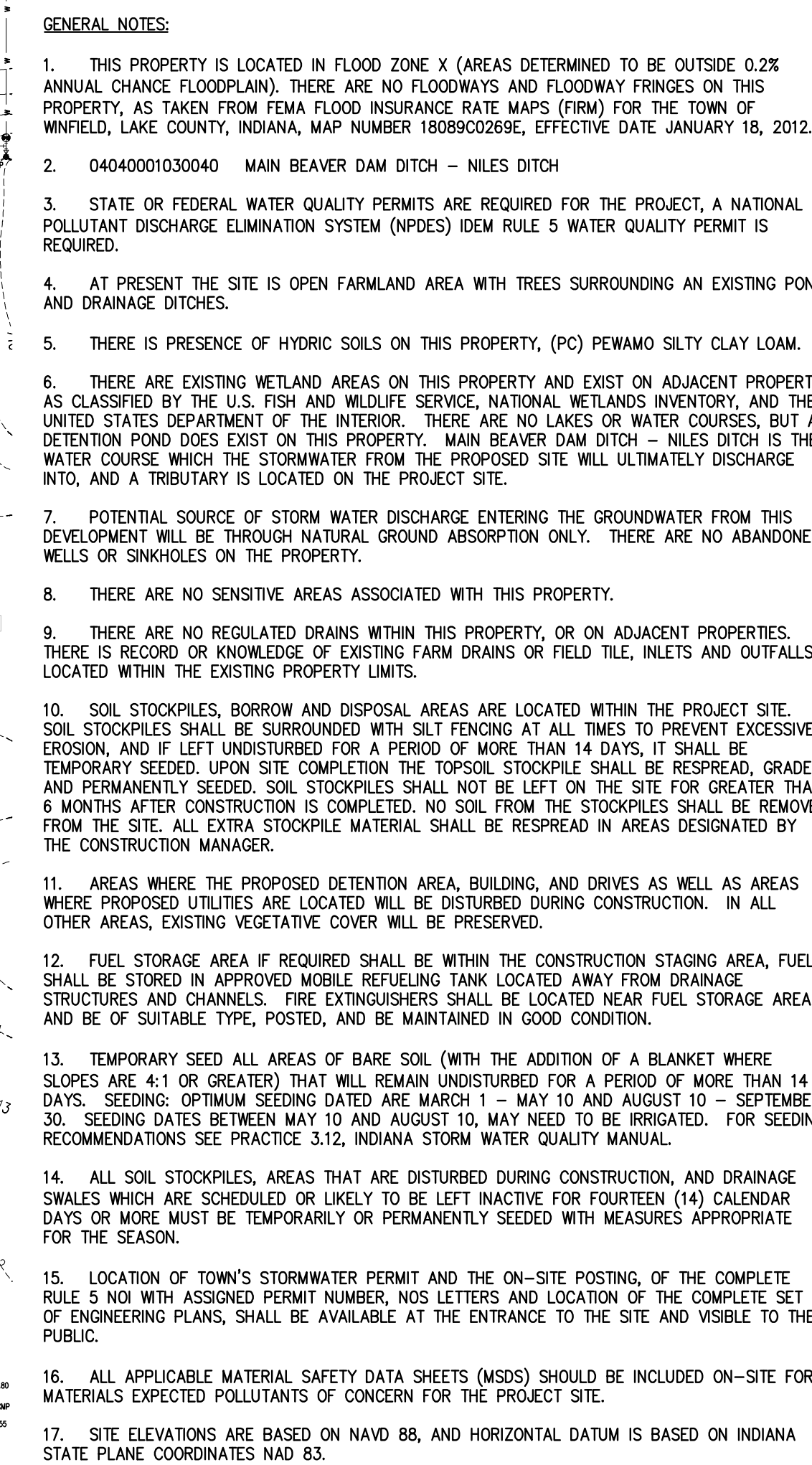
WATER UTILITY INSTALLATION NOTES

- WATER UTILITY INSTALLATION NOTES
1. Installation of water main, fittings, valves, fire hydrants, and appurtenances shall be in accordance with Indiana American Water Standards and Specifications, latest revision.
 2. It is the contractor's responsibility to field verify the location, size and material of the existing water main prior to construction.
 3. At the point of connection to existing water main, a tapping sleeve and valve may be required to be installed if the existing water main cannot be shut down without impacting customers, to be determined at the pre-construction meeting.
 4. For PVC C900 pipe installation: DR14 pipe is required. Deflection of pipe joints and bending of pipes are not permitted. All pipe joints shall be made with proper fittings. When restraint of pipe-to-pipe joints are required, joints shall be restrained with externally applied serrated restraint harnesses. Select fill material required for bedding and embedment regardless of pipe's proximity to pavement. PVC C900 pipe is not allowed for pipes larger than 12-inch.
 5. For Ductile Iron pipe installation: Thickness Class 52 for typical distribution mains 12-inch nominal size and smaller. When restraint of pipe-to-pipe joints is required, restraint shall be accomplished with pull-on restraint harnesses. Soldering segments are permitted on pipe-to-pipe connections 12-inch nominal size and smaller only. Pipe-to-pipe connections greater than 12-inch nominal size shall be restrained per specification section 15105.
 6. For HDPE pipe installation: All pipe shall be 12-inch and larger, IPS DR14 or larger, and CTS DR14. Pipe sizes smaller than 3 inch, HDPE bends, tees, and crosses are not acceptable. Pressure testing of HDPE pipe differs from ductile iron and PVC pipe, see specification section 15030-3.03. Pipe fusion must be completed by certified technician; installation to be in accordance with the manufacturer's instructions.
 7. Encase all ductile iron pipe, ductile iron fittings, valves, hydrants, restraint harnesses, and all other metallic appurtenances in 12mld polyethylene.
 8. All fire hydrant laterals shall be ductile iron pipe.
 9. All MJ T-bolts and flange bolts shall have Xylan or Fluorokote #1 corrosion resistant coating.
 10. All fittings shall be restrained using MJ retainer glands.

WATER UTILITY INSTALLATION NOTES (continued)

- WATER UTILITY INSTALLATION NOTES (continued)
14. Thrust restraint to be achieved through the restraint of pipe joints and fittings. Thrust blocks are not an acceptable means of thrust restraint, except when required in connecting to existing water main and for installation of fire hydrants. See specification section 02210 for details of thrust restraint requirements for ductile iron and PIP.
 15. Copper-clad steel tracer wire required on installation of all pipe. Tracer wire shall be taped to pipe or polyethylene encasement at a minimum spacing of 10-feet. Splices shall be enclosed in waterproof connectors. Wire and connectors are to be compatible and from the same manufacturer. Detectable tape is required one foot above pipe. Continuity shall be tested after completion of backfill.
 16. Select fill material required for final backfill when within 5-feet of pavement per specification section 02210.
 17. Maintain 8-feet of vertical separation and 6-inches of vertical separation from sanitary and storm sewers. Maintain 8-feet of horizontal separation from sanitary and storm structures. See 327 IAC 8-3-2.9 of the Indiana Administrative Code for more information.
 18. Maintain minimum cover depth of "X" and a maximum of "X+24".
- USER NOTES:
- o Depending on water main pipe material, choose between #3 or #4.
 - o X" per 327 IAC 8-3-2.17(d)

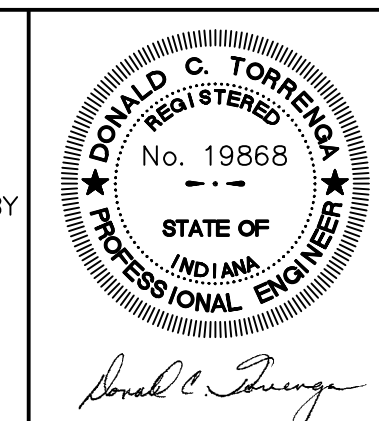
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FOR:
CROWN POINT COMMUNITY
SCHOOL CORPORATION
CROWN POINT, INDIANA

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Phone 317.580.5777 Fax 317.580.5778

PROJECT
21-107
DATE
05/24/21
COORDINATED BY
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REVISIONS		
MARK	DATE	ISSUED FOR
PR-3	08/20/2021	PROPOSAL REQUEST NO. 3

[illegible]

DRAWING

**STORM WATER POLLUTION
PREVENTION PLAN (SWPPP) -
CONSTRUCTION**

PROJECT
CROWN POINT
NEW MIDDLE SCHOOL

© GIBALTAR DESIGN

SHEET

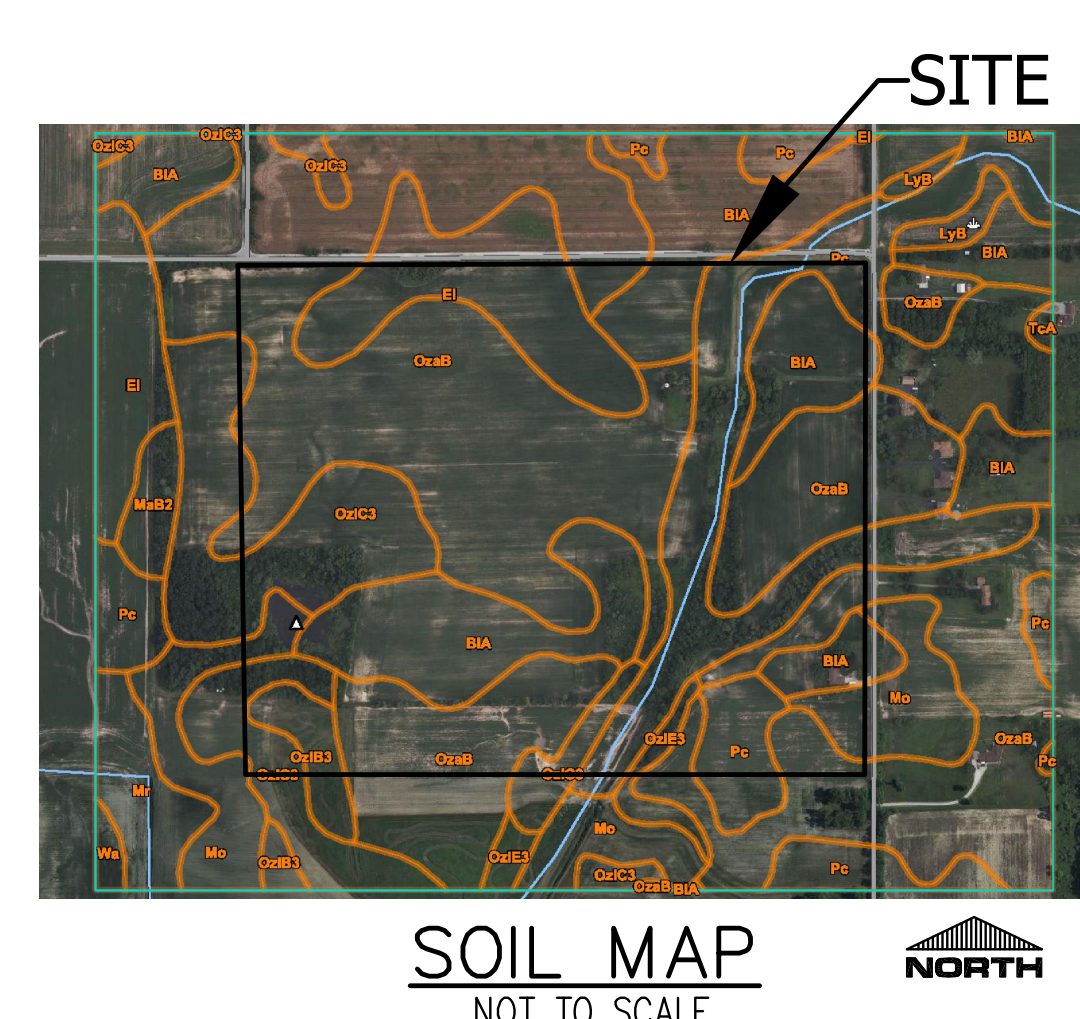
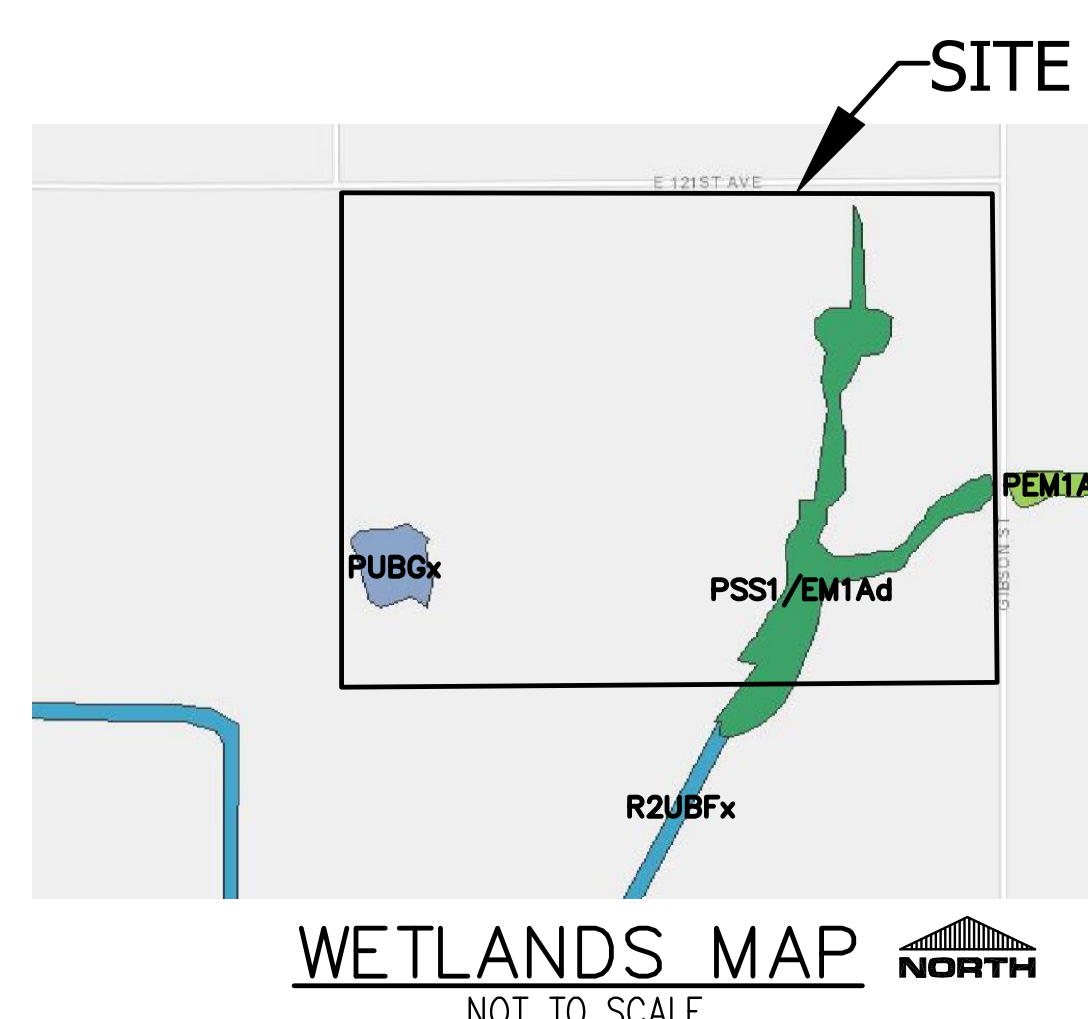
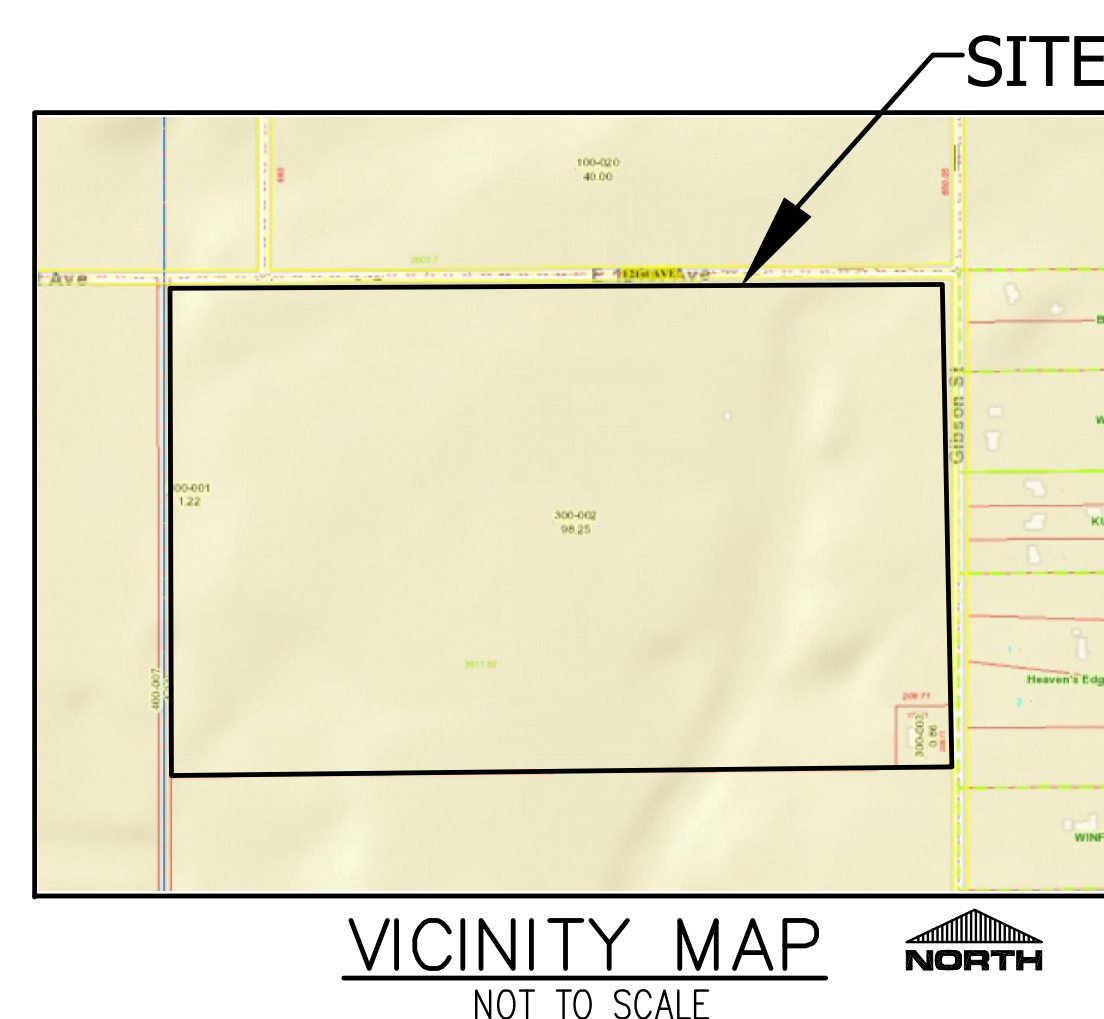
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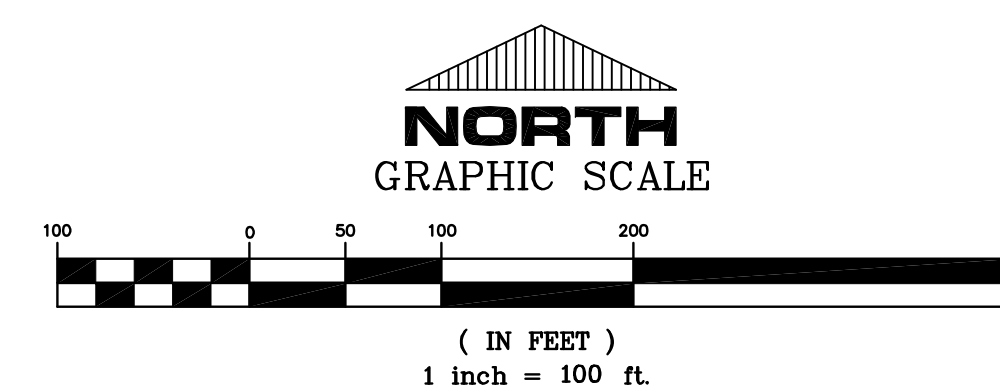
- ### **SWPPP LEGEND:**
-  - TEMPORARY ENTRANCE/EXIT (GRAVEL OR MAT)
 -  - SOIL STOCK PILE
 -  - BASKET INSERT INLET PROTECTION
 -  - GRADE LIMITS (SEE NOTE 16)
 -  - SILT FENCE (SLOPED AREA SEE NOTE 17)
 -  - CONCRETE WASH OUT AREA
 -  - POSTING RULE 5' NOS & NOS LETTERS AND LOCAL SWPPP PERMIT
 -  - TEMPORARY SEEDING (SEE NOTE 14)
 -  - CONTOUR (PROPOSED)
 -  - GRADES (PROPOSED)
 -  - ROCK CHUTE
 -  - GRASS LINED CHANNEL
 -  - STREET SWEEPING
 -  - EROSION CONTROL BLANKET

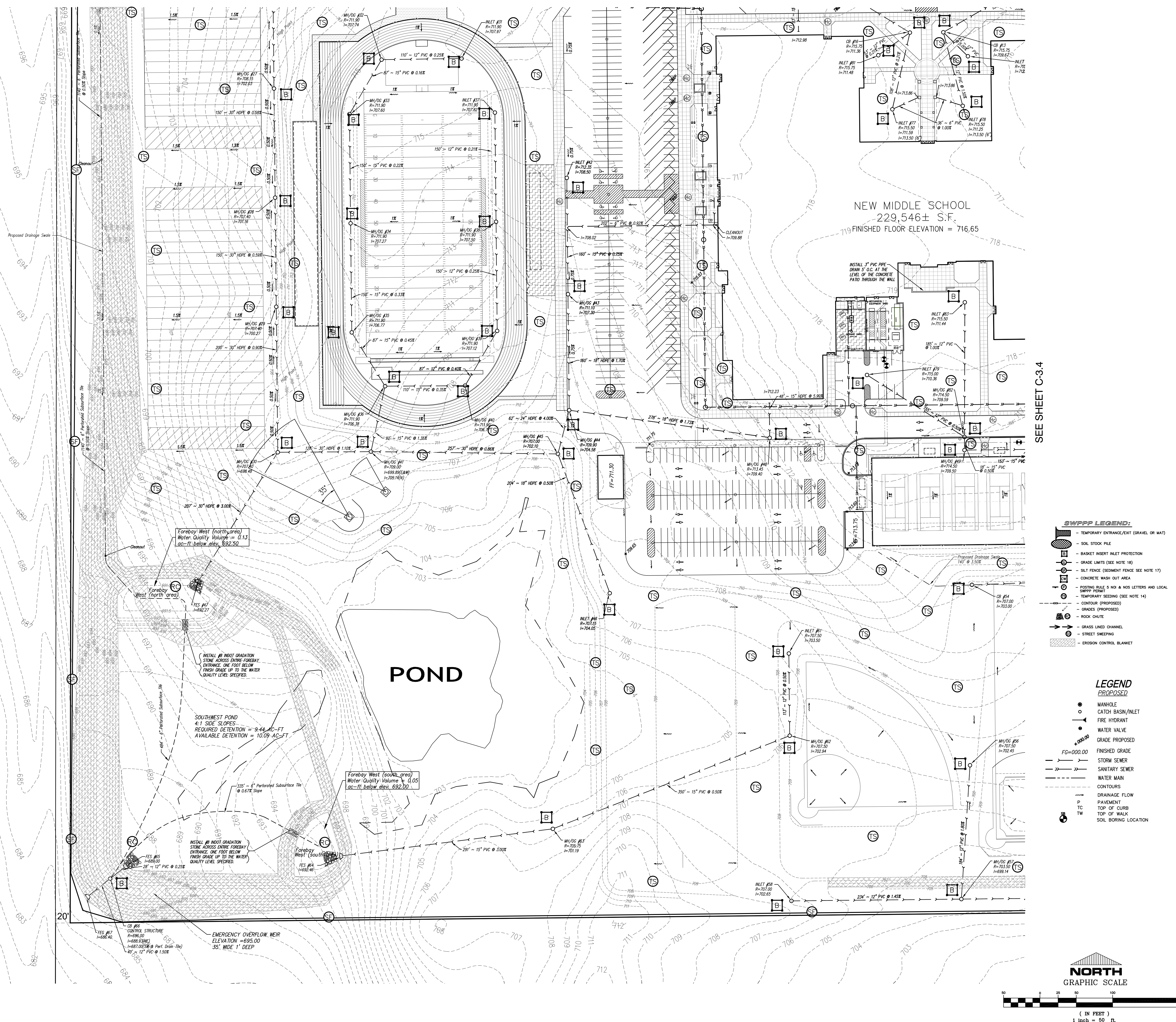
Temporary stabilization plans and sequence of implementation

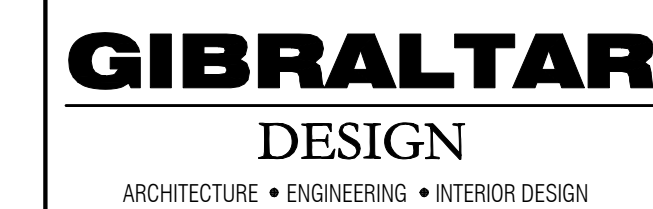
- a. On site posting of the complete Rule 5 NOI, NIOS letter, and Town Stormwater Permit. Location of the posting and plans shall be made available by the owners contractor.
- b. Installation of all erosion/sedimentation controls including stabilized construction entrance, silt fences, etc., per the engineering plans.
- c. Clearing and grubbing.
- d. Topsoil stockpile surrounded with silt fence.
- e. Grading and grubbing of the detention area, and other major grading per the engineering plans shall be done to rough grades at the start of construction to prevent excessive soil erosion due to construction.
- f. Slope to be protected around the perimeter of the detention basin until it has been completed and stabilized.
- g. Construction of storm sewers and other utility.
- h. Implementation of storm sewer inlet protection at each open-grade structure (basket insert inlet protection, as per engineering plans).
- i. Contract buildings and driveway.
- j. Upon site completion when no additional disturbance is anticipated stockpile shall be reseeded, graded, and all disturbed areas shall be permanent seeded, mulched, and landscaped.
- k. Erosion control and restoration of site shall be initiated 15 days removed upon permit completion. All disturbed areas shall be revegetated over being stabilized. Note the NOI letter shall remain active until NOI letter is filed, weekly inspections and inspections after a 0.5-inch rainfall event shall be required by owner.
- l.



MAP UNIT SYMBOL	MAP UNIT NAME
E1	ELLIOT SILT LOAM, 0 TO 2 PERCENT SLOPES
B1A	BLOUNT SILT LOAM, LAKE MICHIGAN LOBE, 0 TO 2 PERCENT SLOPES
MAb2	MARKHAM SILT LOAM, 2 TO 6 PERCENT SLOPES, ERODED
Mo	MILFORD SILT LOAM, OVERWASH
OzAb	OZAUKEE SILT LOAM, 2 TO 6 PERCENT SLOPES
OLB3	OZAUKEE SILTY CLAY LOAM, 2 TO 6 PERCENT SLOPES, SEVERELY ERODED
OLC3	OZAUKEE SILTY CLAY LOAM, 2 TO 12 PERCENT SLOPES, SEVERELY ERODED
Pc	PEWAMAU SILTY CLAY LOAM, CALCAREOUS VARIANT

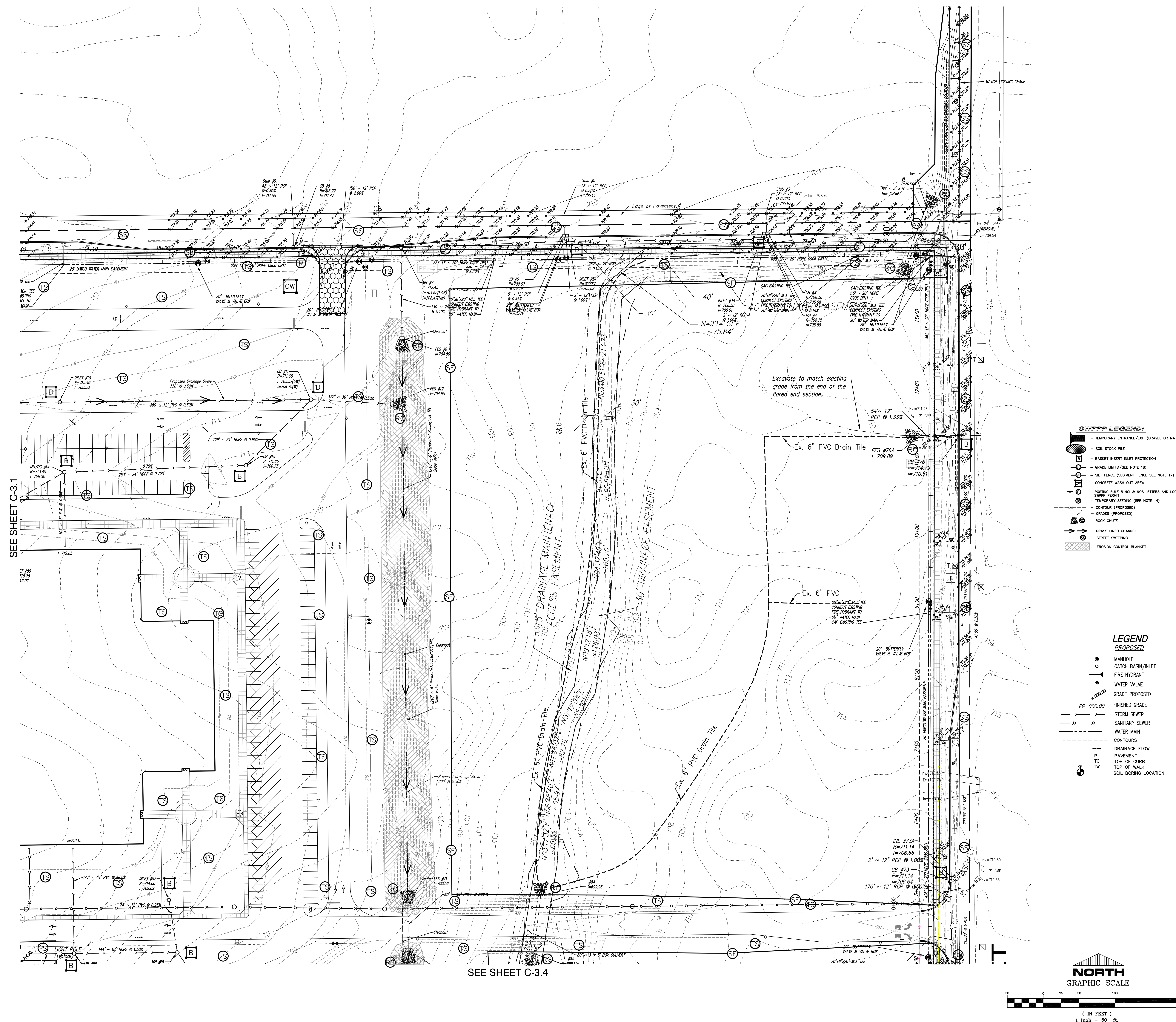






FOR:
CROWN POINT COMMUNITY
SCHOOL CORPORATION

CROWN POINT, INDIANA



Z:\2021-5010 Crown Point Middle School - Winfield\dwg\2021-5010 - (Thrd Submittal).dwg 12/21/2022 1:27:03 PM CST

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Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 21-107	
DATE 05/24/21	
COORDINATED BY DCT	
DRAWN BY DCT EM	
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DRAWING
STORM WATER POLLUTION
PREVENTION PLAN (SWPPP) -
CONSTRUCTION

PROJECT
CROWN POINT
NEW MIDDLE SCHOOL

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PROJECT
**CROWN POINT
NEW MIDDLE
SCHOOL**

FOR:
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SCHOOL CORPORATION
CROWN POINT, INDIANA

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REVISIONS
MARK DATE ISSUED FOR
PR-3 08/20/2021 PROPOSAL REQUEST NO. 3

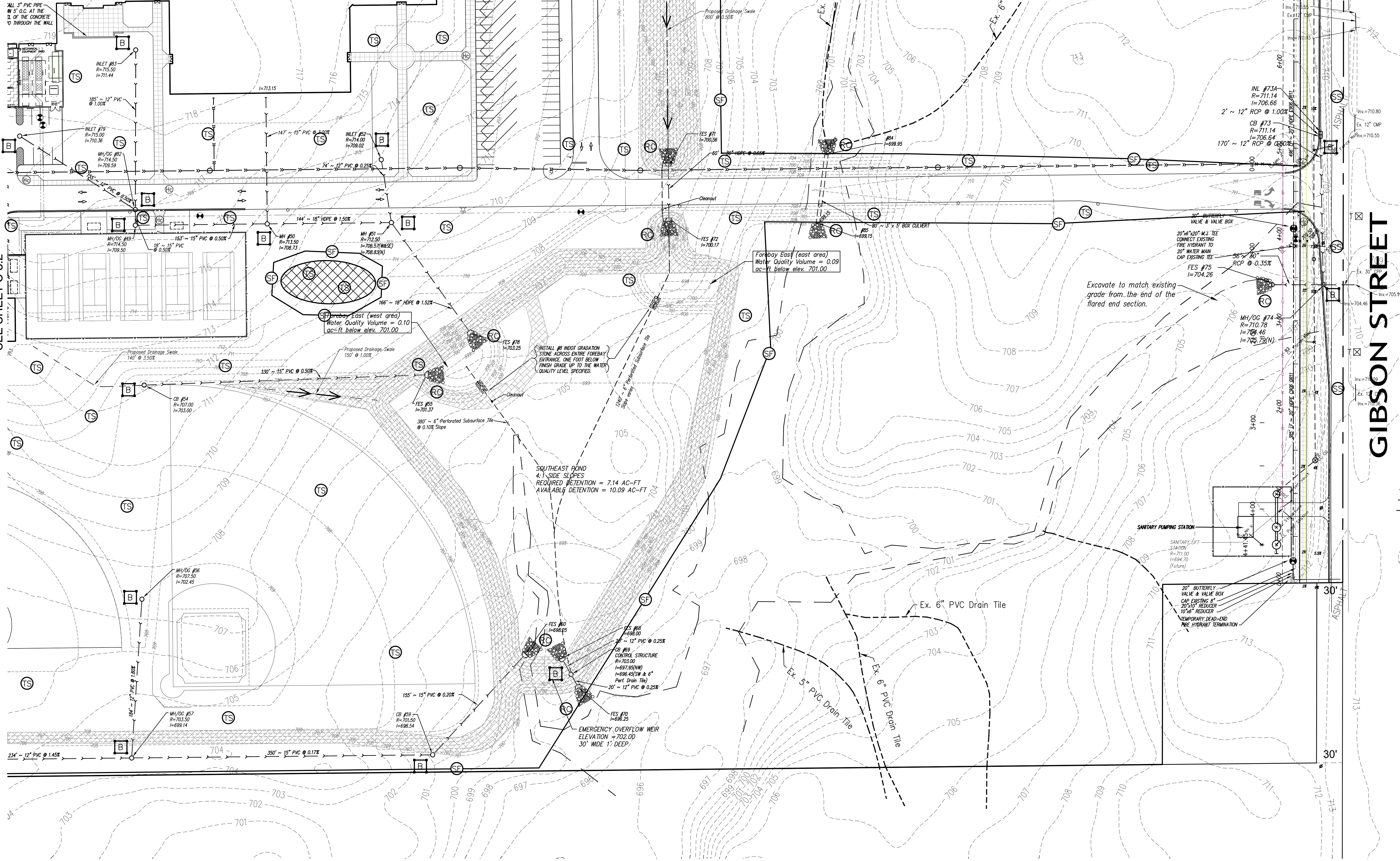
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**STORM WATER POLLUTION
PREVENTION PLAN (SWPPP) -
CONSTRUCTION**

PROJECT
CROWN POINT
NEW MIDDLE SCHOOL

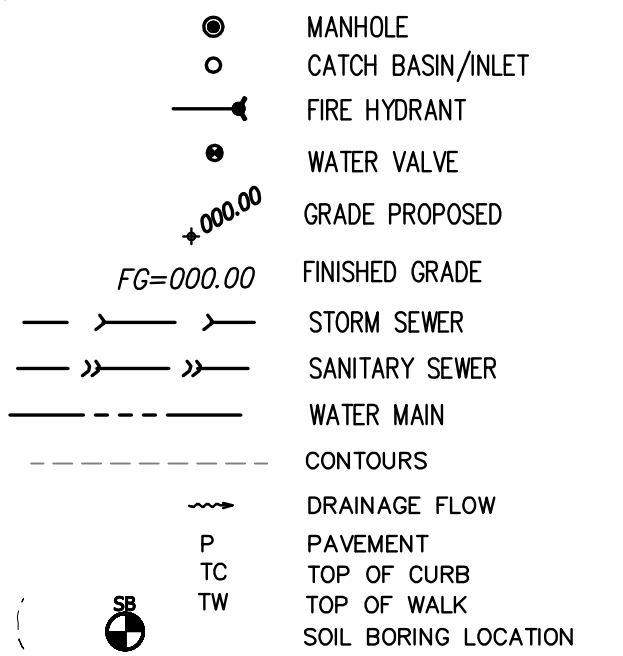
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C-5.4

SEE SHEET C-3.3

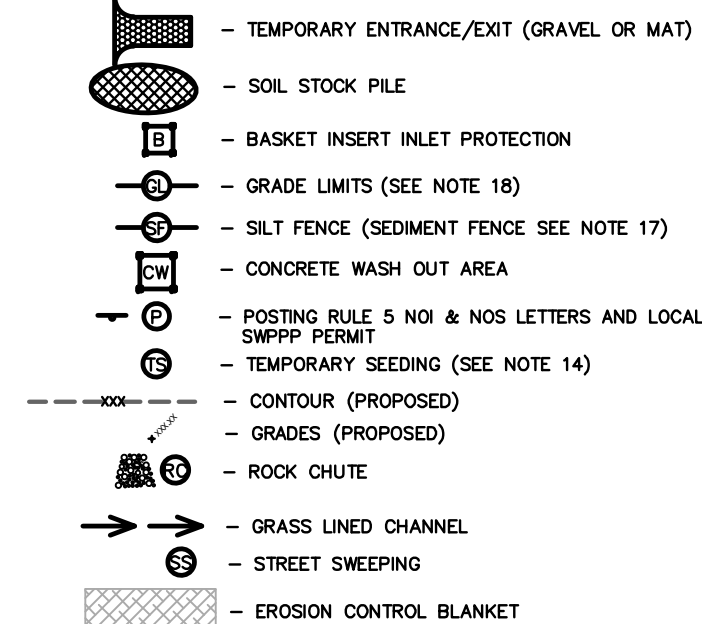
NEW MIDDLE SCHOOL
229,546± S.F.
FINISHED FLOOR ELEVATION = 716.65

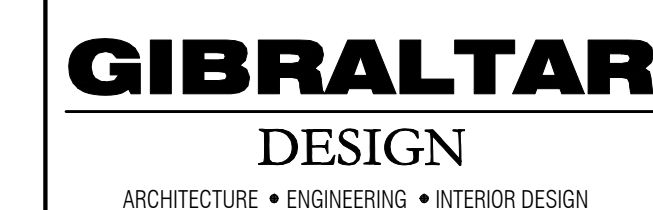


**LEGEND
PROPOSED**



SWPPP LEGEND:





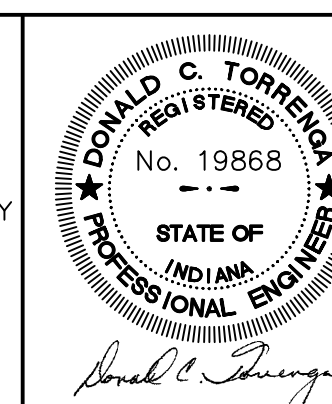
PROJECT
CROWN POINT
NEW MIDDLE
SCHOOL

FOR:
CROWN POINT COMMUNITY
SCHOOL CORPORATION

CROWN POINT, INDIANA

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PROJECT	21-107
DATE	05/24/21
COORDINATED BY	DCT



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REVISIONS		
MARK	DATE	ISSUED FOR
PR-1	07/20/2021	PROPOSAL REQUEST NO. 1
PR-3	08/20/2021	PROPOSAL REQUEST NO. 3

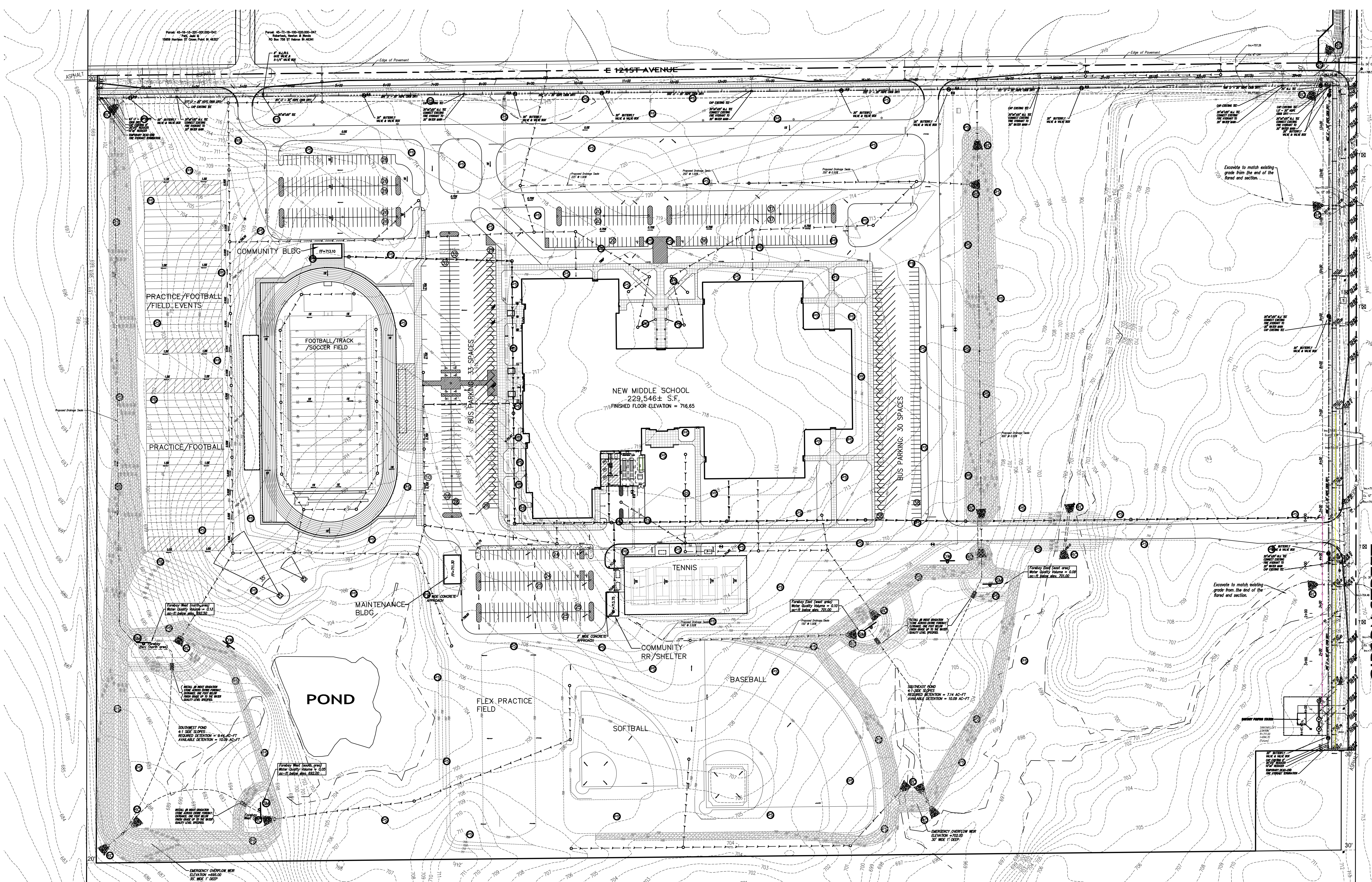
DRAWING
STORM WATER POLLUTION
PREVENTION PLAN (SWPPP) -
POST CONSTRUCTION

PROJECT	CROWN POINT NEW MIDDLE SCHOOL
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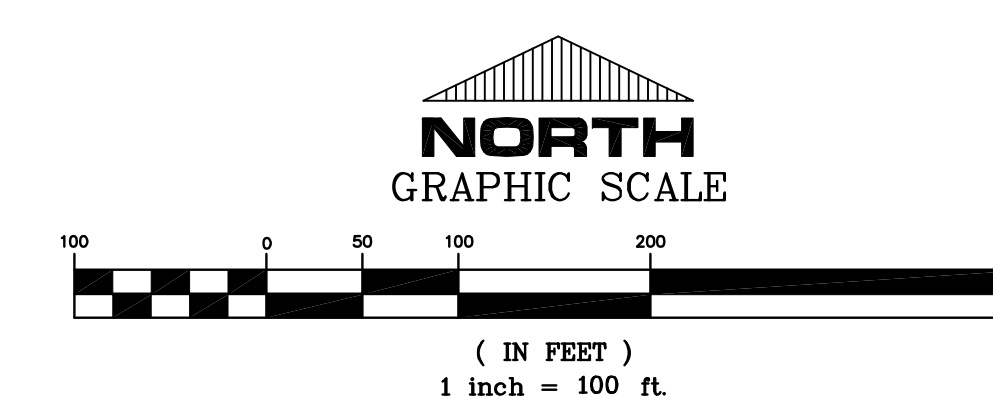
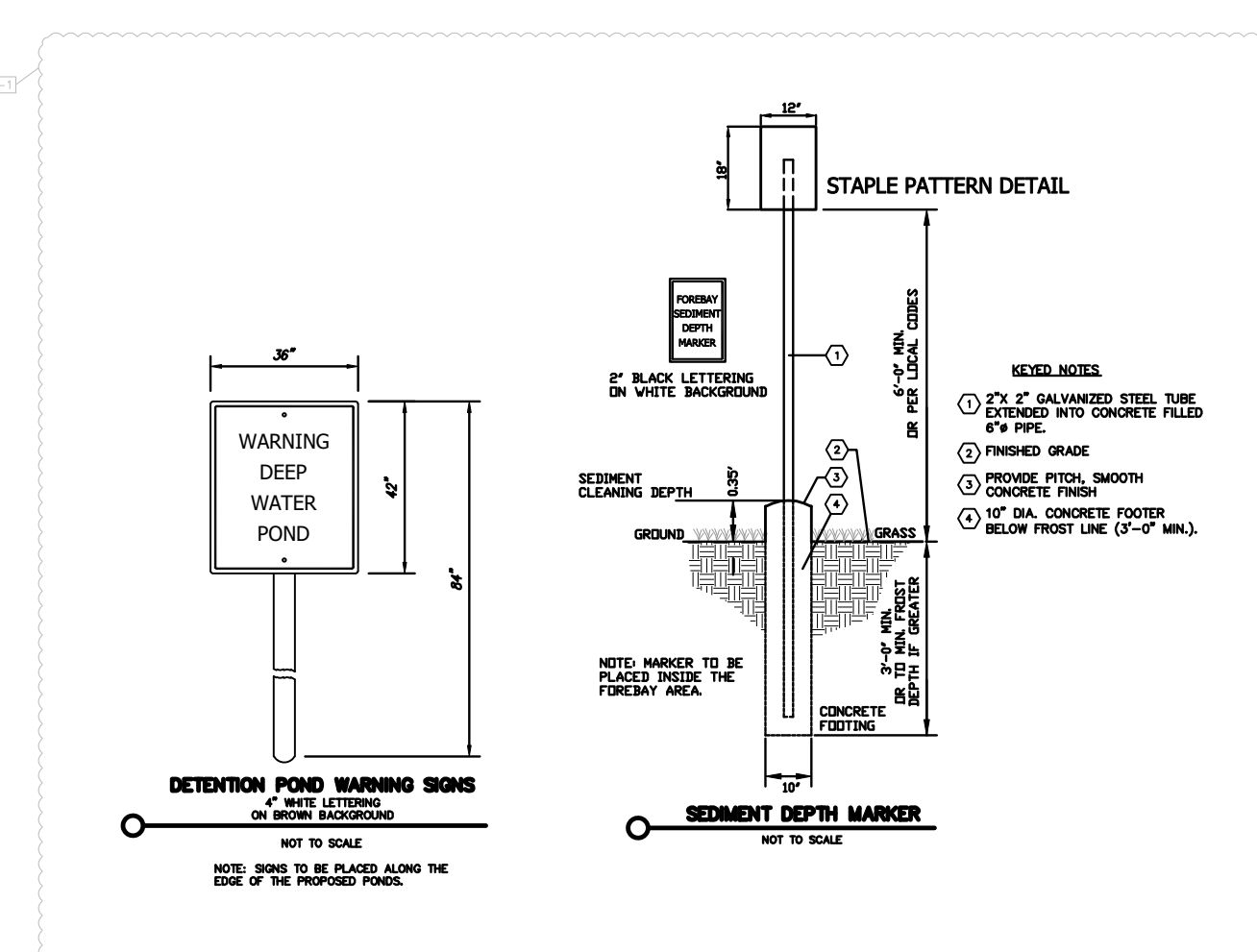


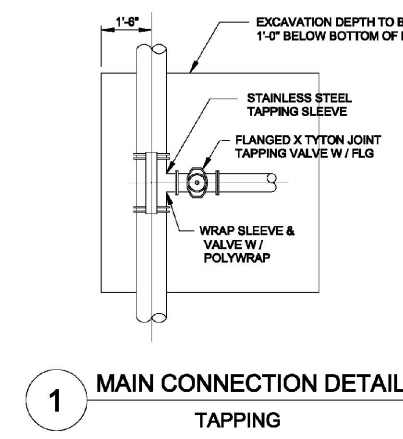
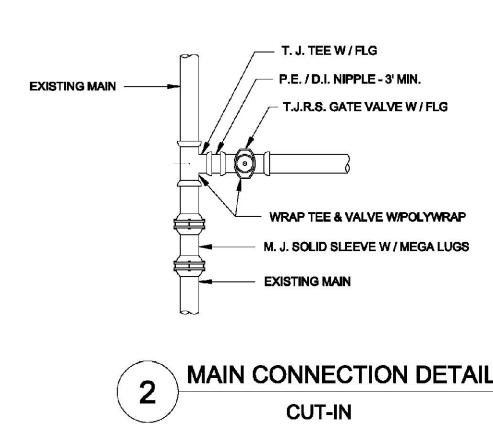
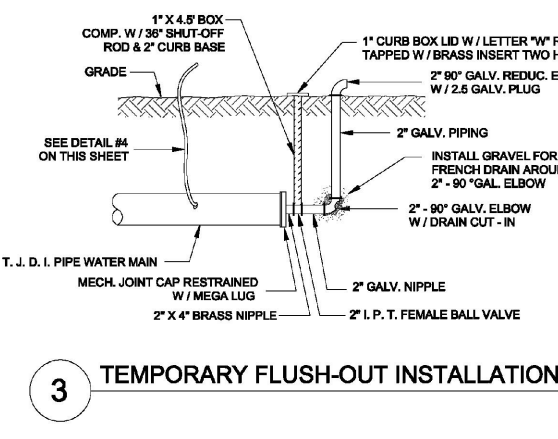
SWPPP LEGEND:

-  – PERMANENT SEEDING
-  – CONTOUR (PROPOSED)
-  – GRADES (PROPOSED)
-  – ROCK CHUTE
-  – EROSION CONTROL BLANKET
-  – FOREBAY SEDIMENT MARKER
-  – WARNING DEEP WATER POND SIGN

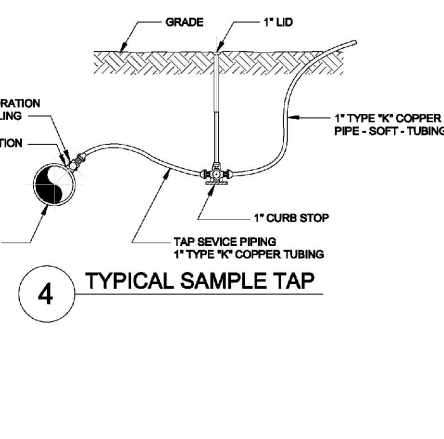
RESPONSIBLE INDIVIDUAL FOR SWPPP

NAME:	TODD TERRILL, SUPERINTENDENT
BUSINESS:	CROWN POINT COMMUNITY SCHOOL CORPORATION
ADDRESS:	200 EAST NORTH STREET CROWN POINT, INDIANA 46307
PHONE:	(219) 663-3371
FAX:	(219) 662-4304
E-MAIL:	tterrill@cps.k12.in.us

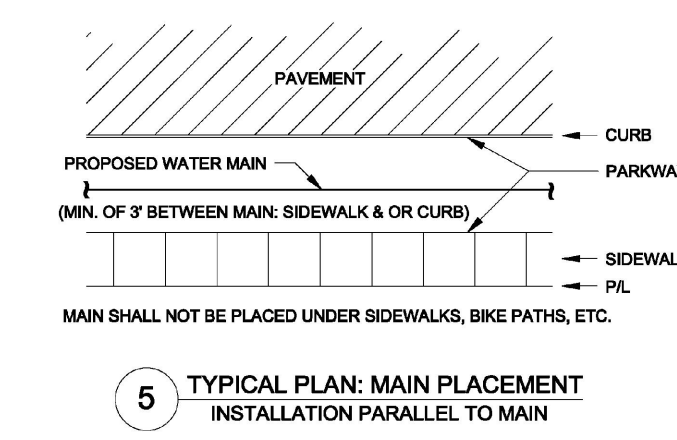
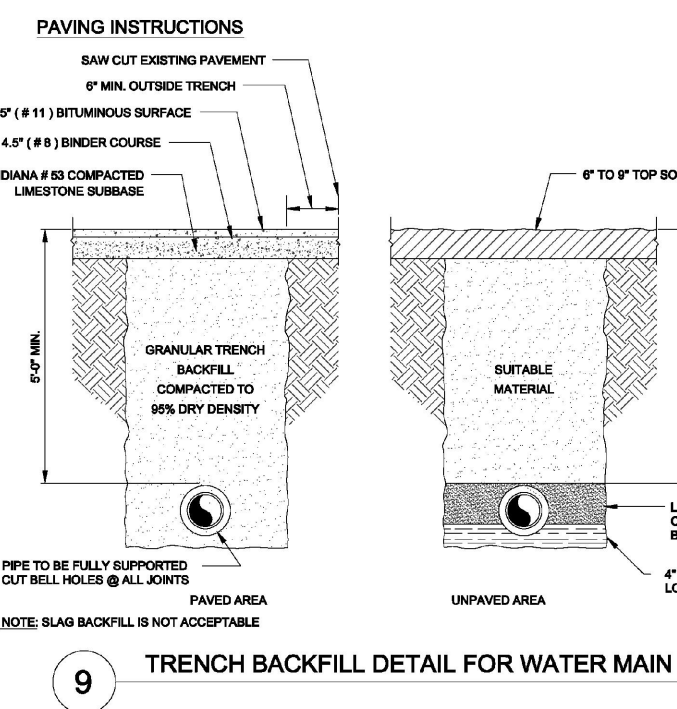


1 MAIN CONNECTION DETAIL
TAPPING2 MAIN CONNECTION DETAIL
CUT-IN

3 TEMPORARY FLUSH-OUT INSTALLATION



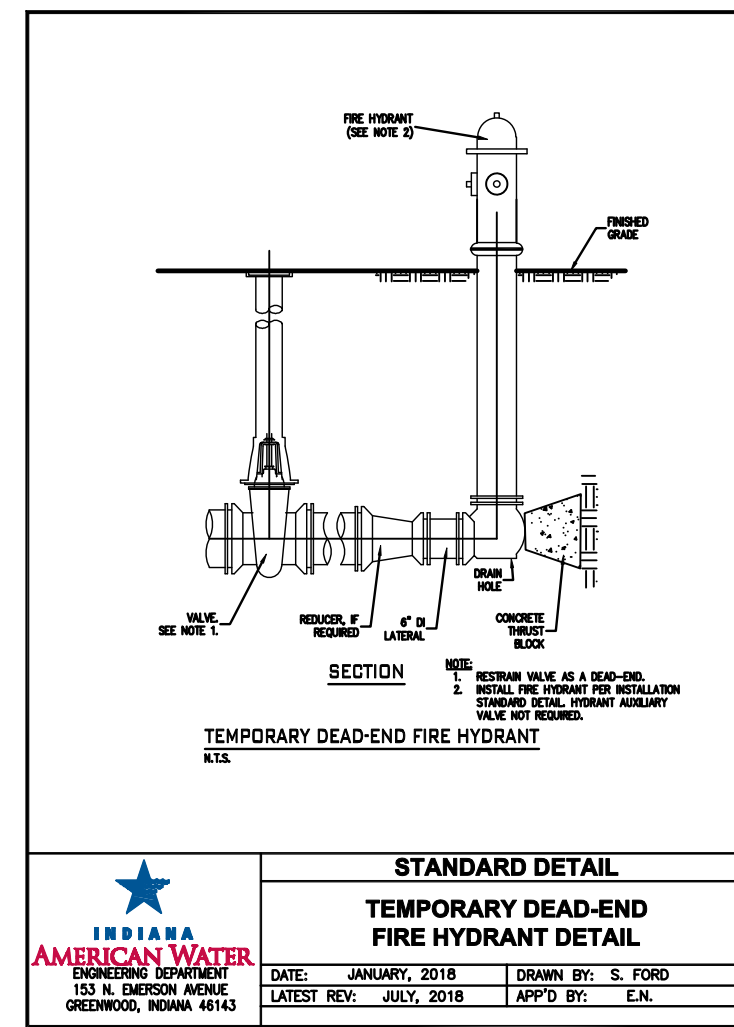
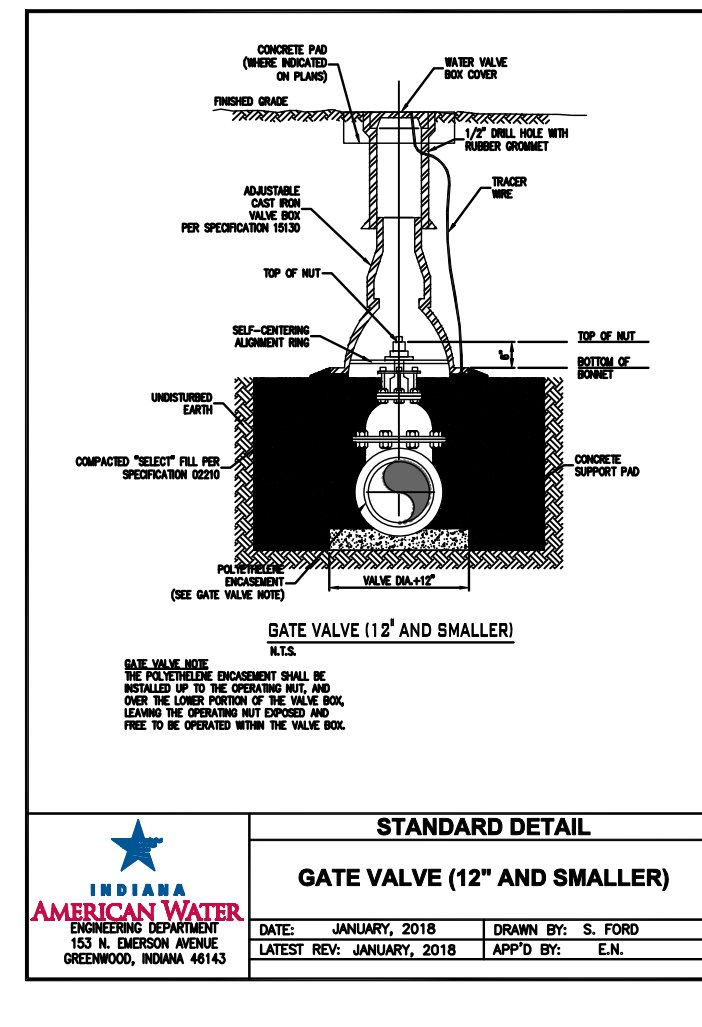
4 TYPICAL SAMPLE TAP

5 TYPICAL PLAN: MAIN PLACEMENT
INSTALLATION PARALLEL TO MAIN

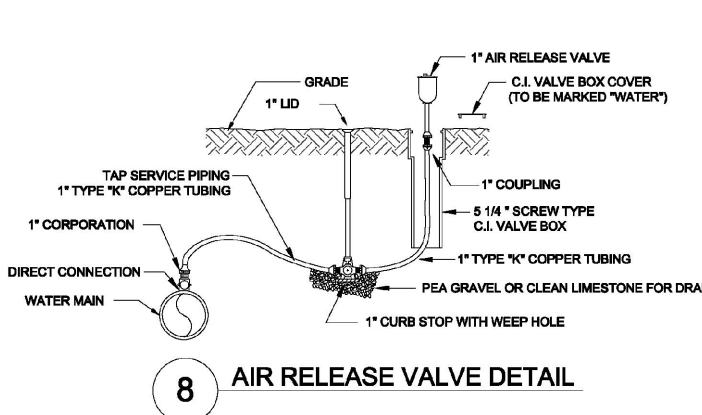
9 TRENCH BACKFILL DETAIL FOR WATER MAIN

ABBREVIATIONS

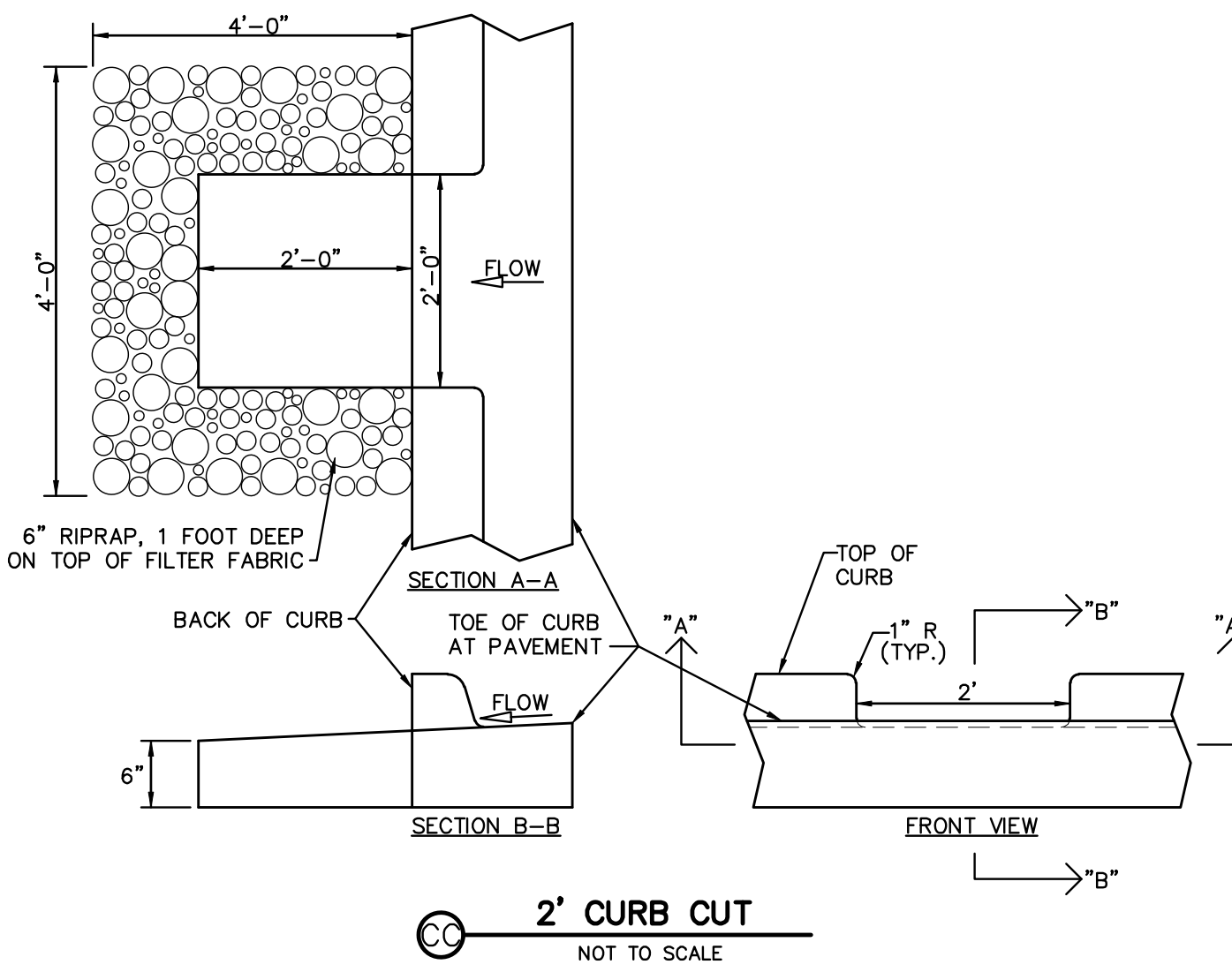
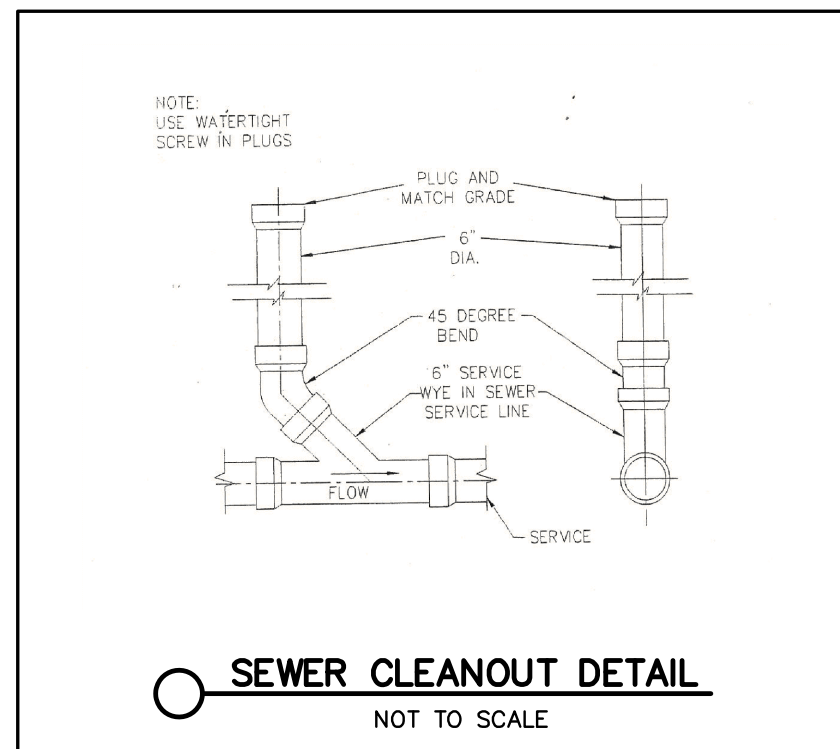
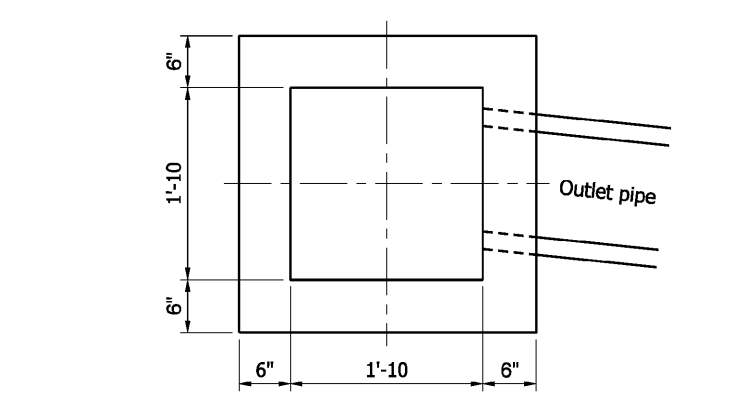
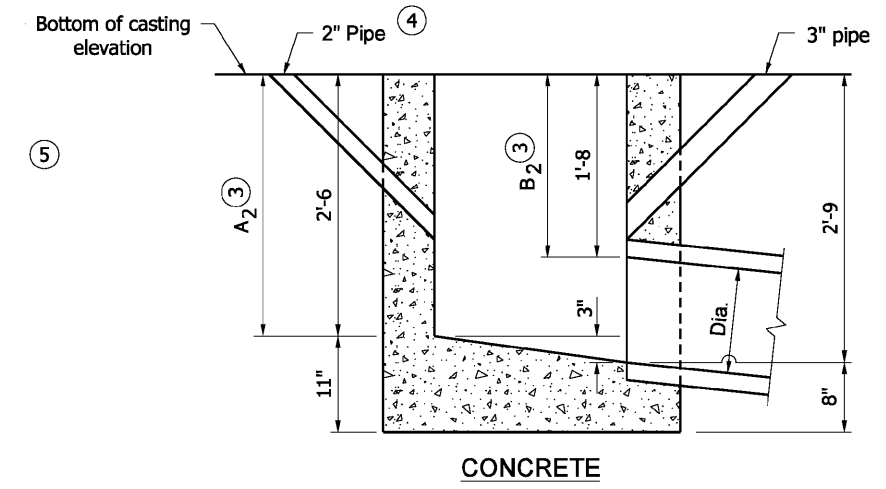
M.J.	MECHANICAL JOINT
T.J.	TYTON JOINT
T.J.R.	TYTON JOINT RESILIENT SEATED GATE VALVE
D.I.	DUCTILE IRON
F.L.D.	FIELD "Y" JOINT BARREL FOR U.S. TYTON JOINT PIPE OR EQUAL
P.E.	PLAN END
L.P.T.	IRON PIPE THREAD
R.S.	RESILIENT SEATED GATE VALVE
P.C.	PRESSURE CLASS 300 (3) PIPE
M.T.	METAL
M.H.	MIDDLE

STANDARD DETAIL
TEMPORARY DEAD-END
FIRE HYDRANT DETAILSTANDARD DETAIL
GATE VALVE (12" AND SMALLER)

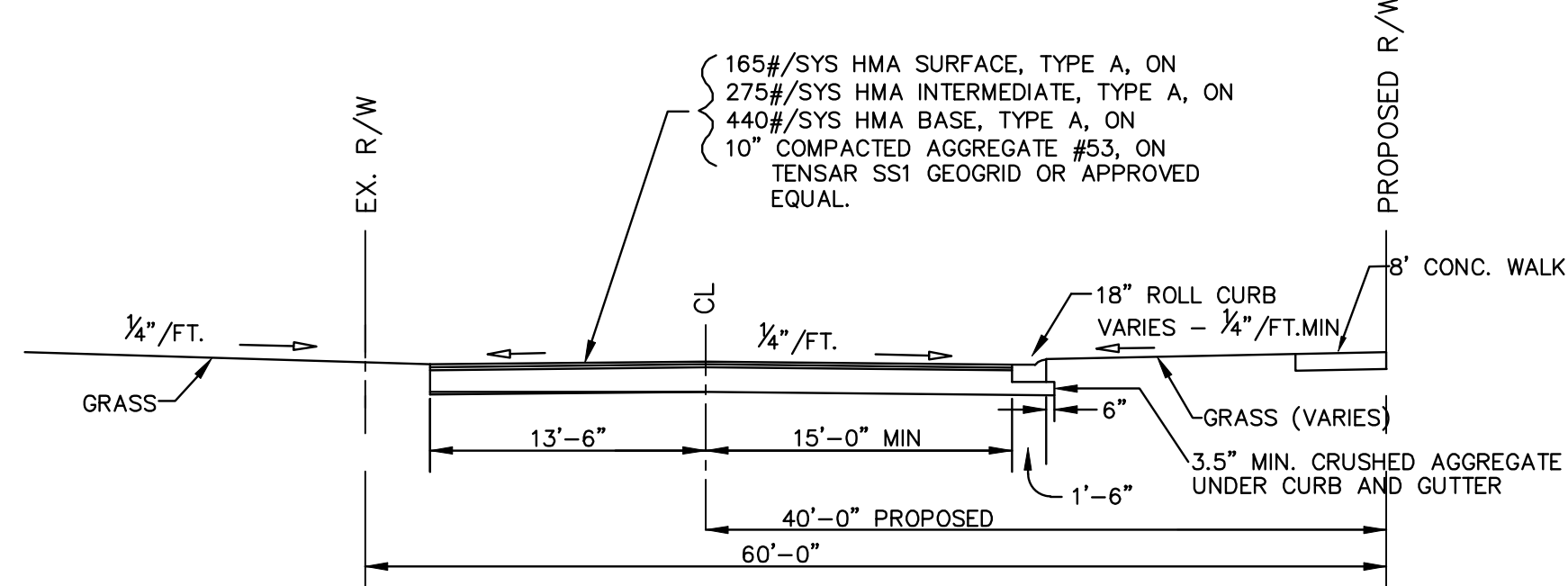
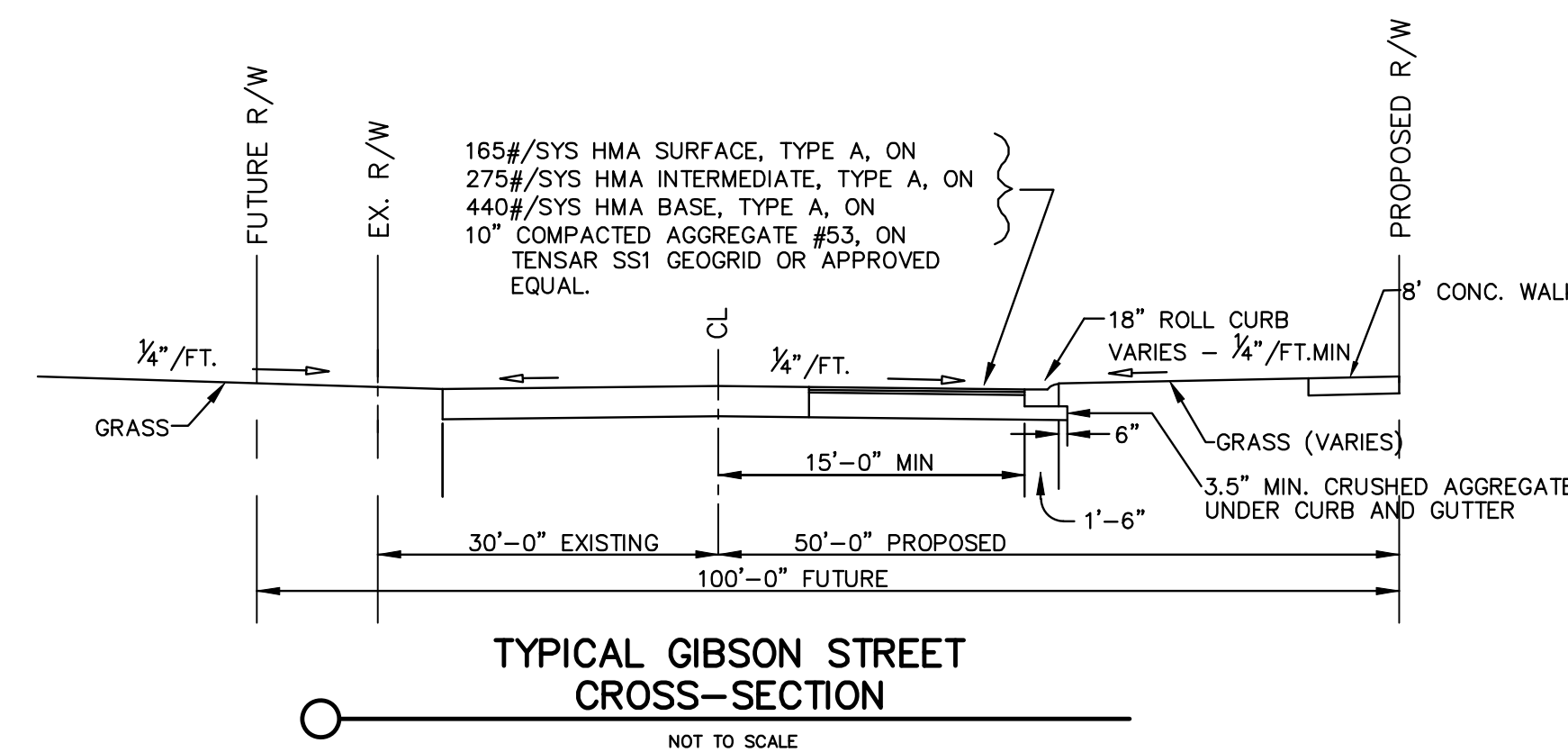
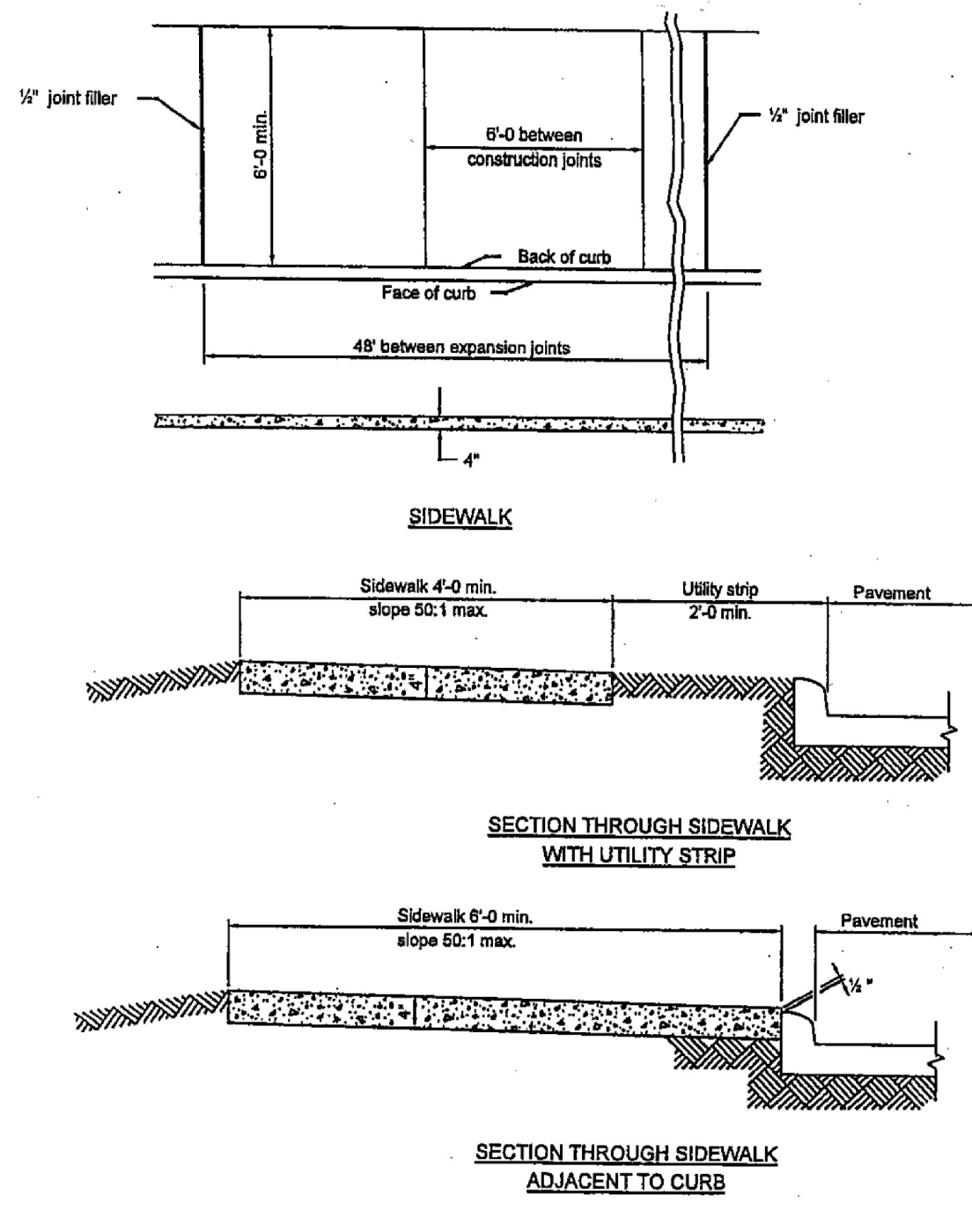
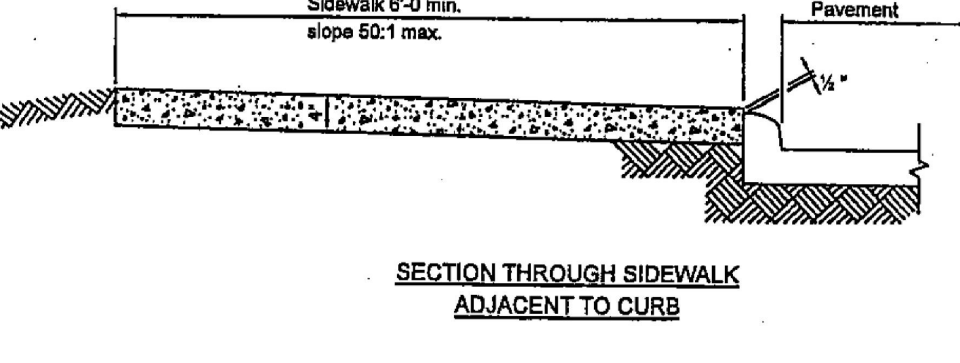
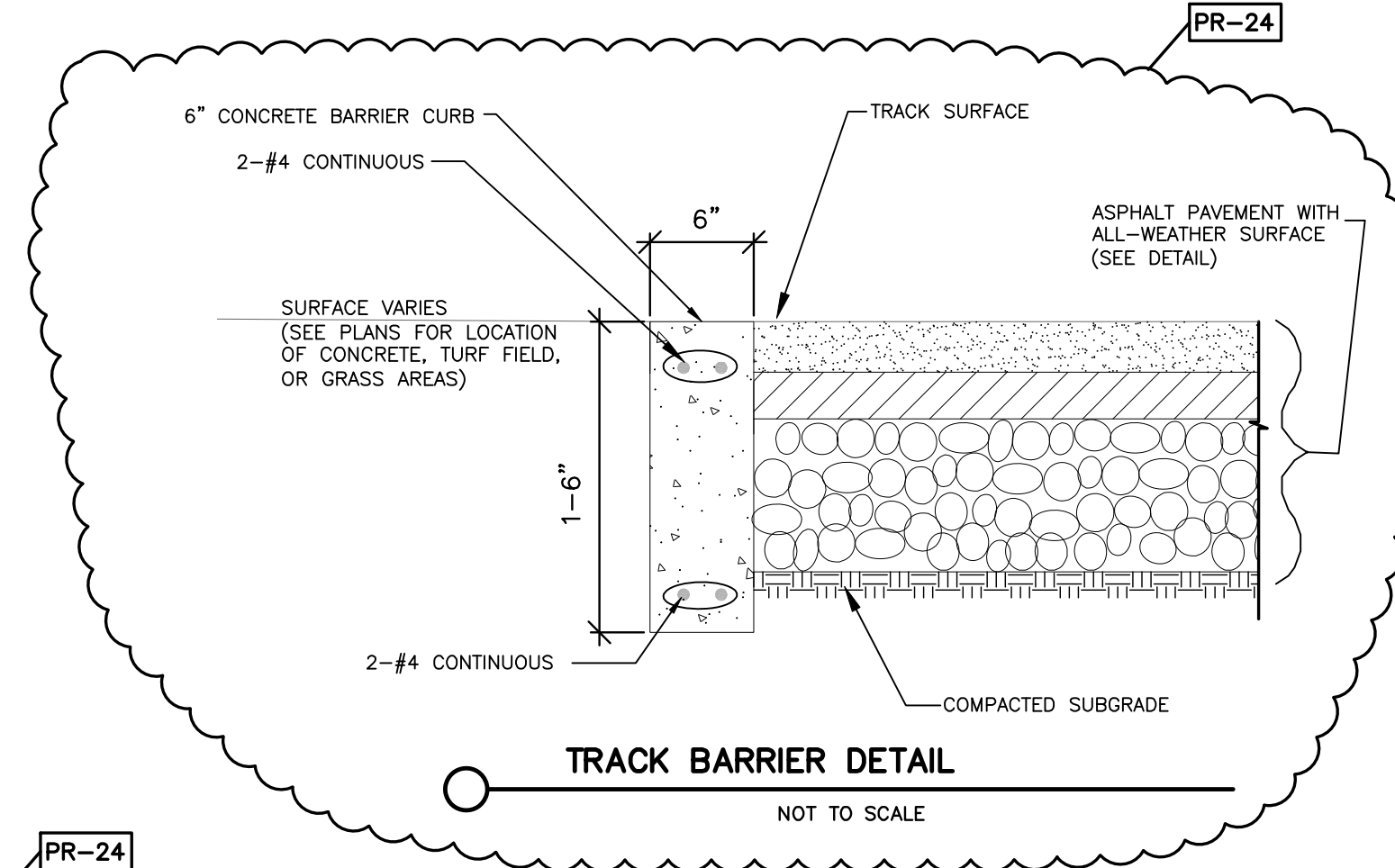
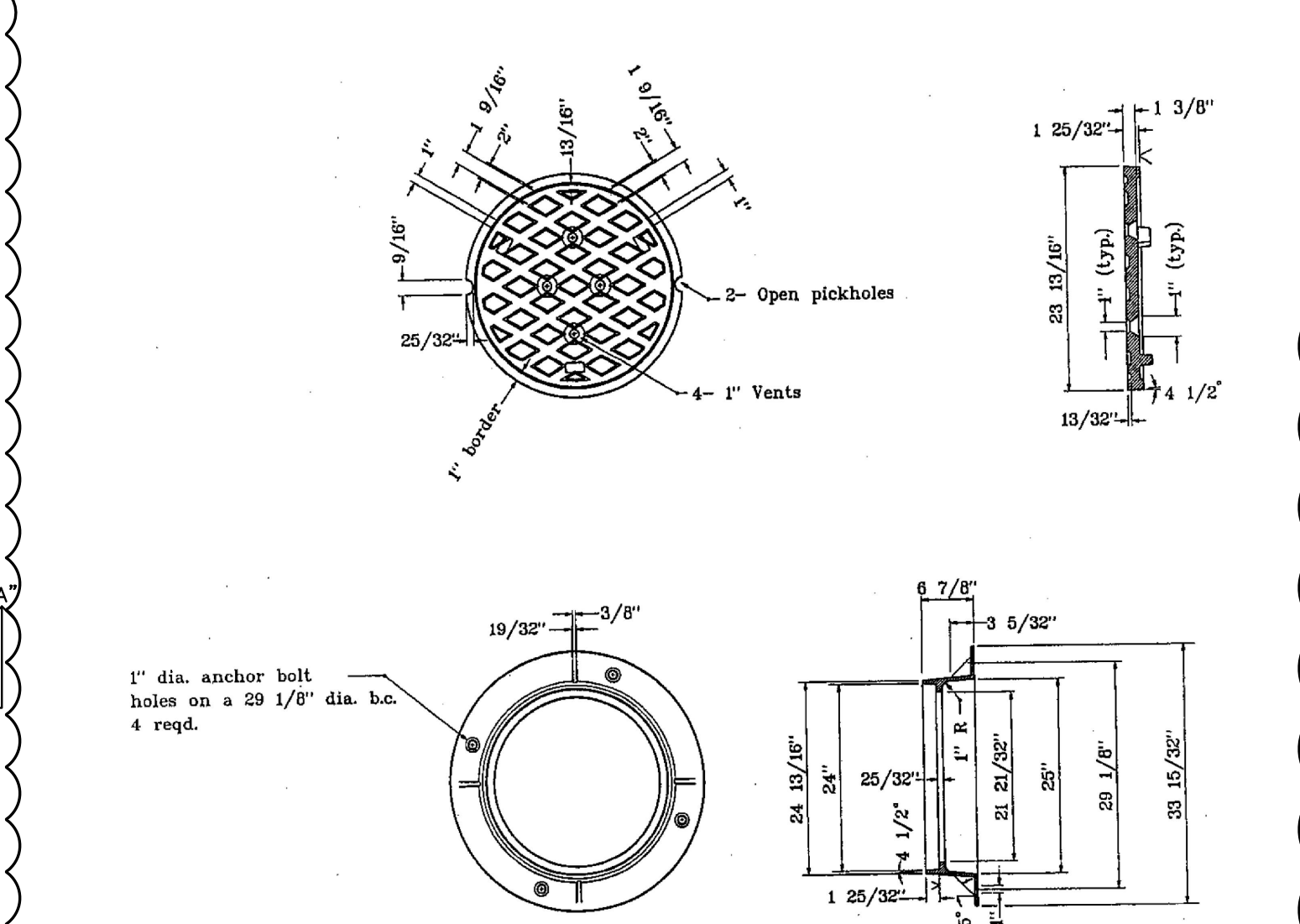
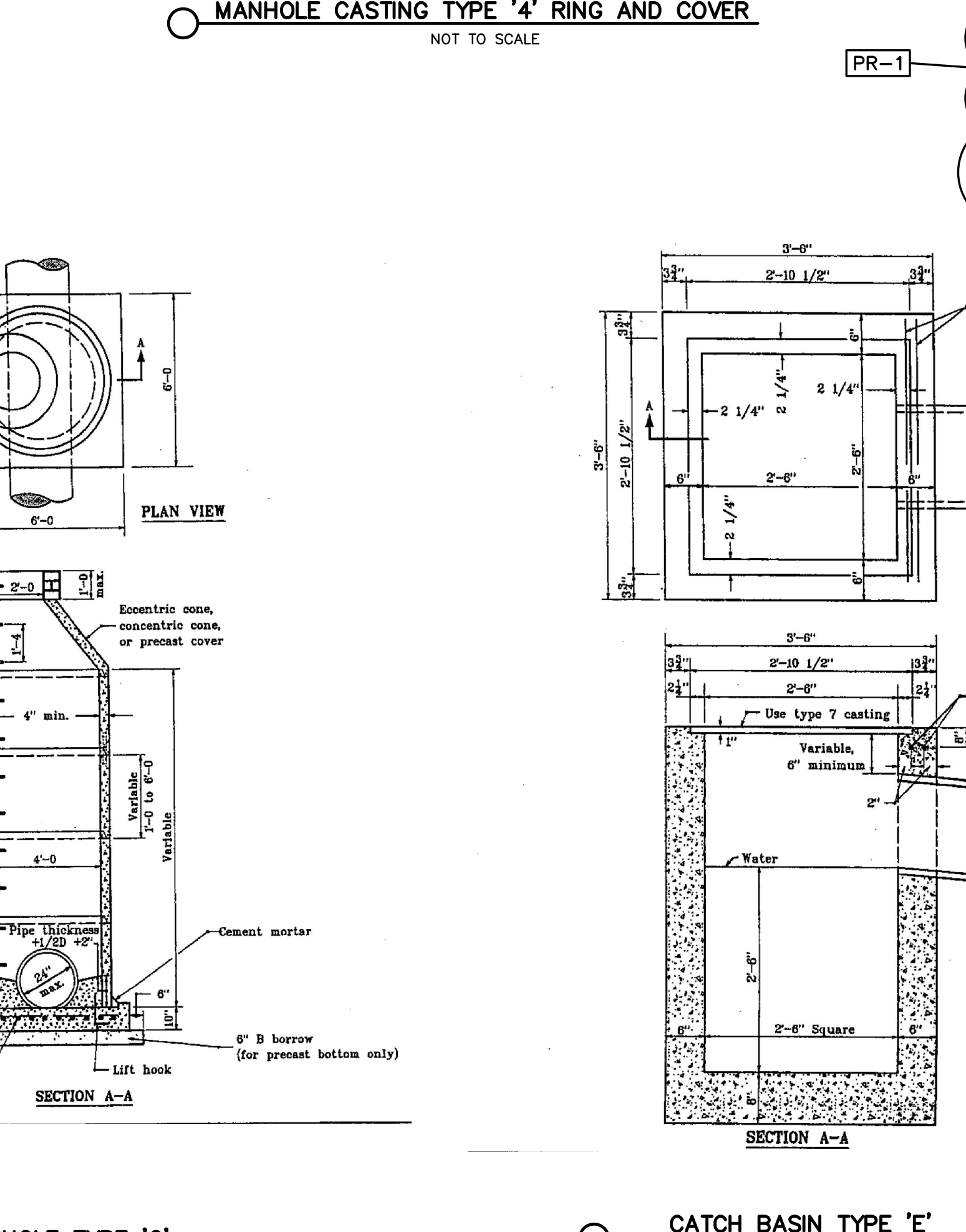
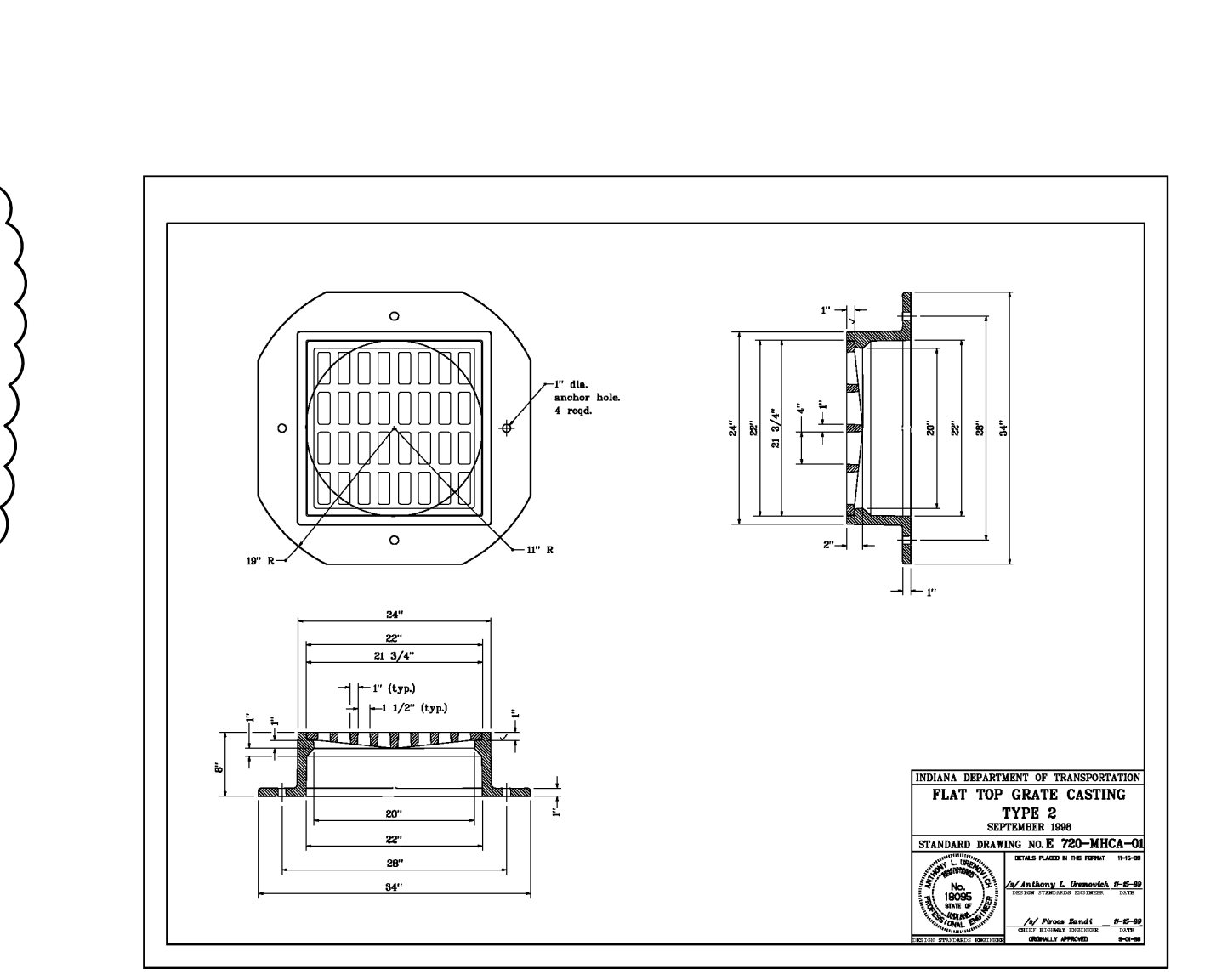
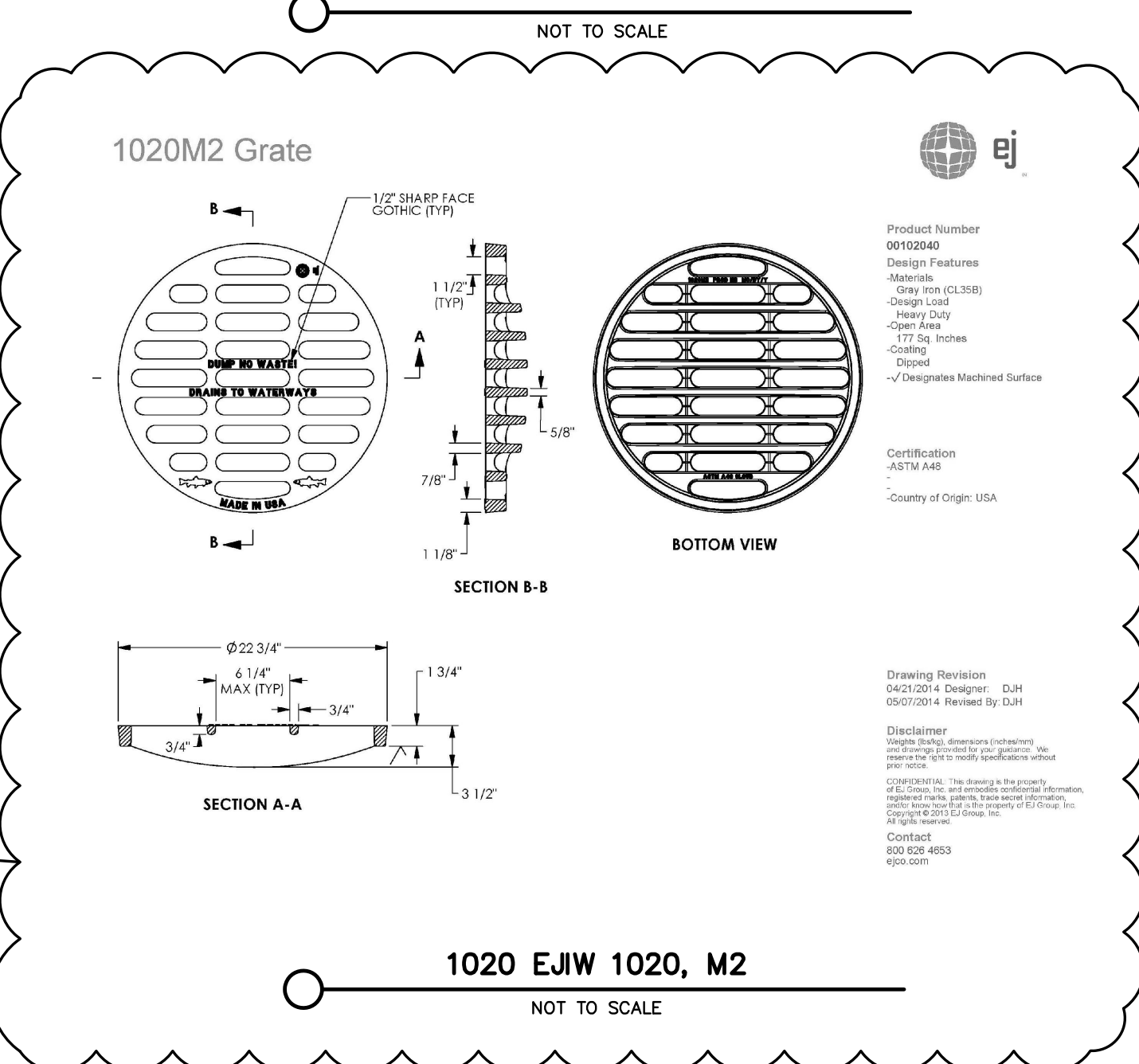
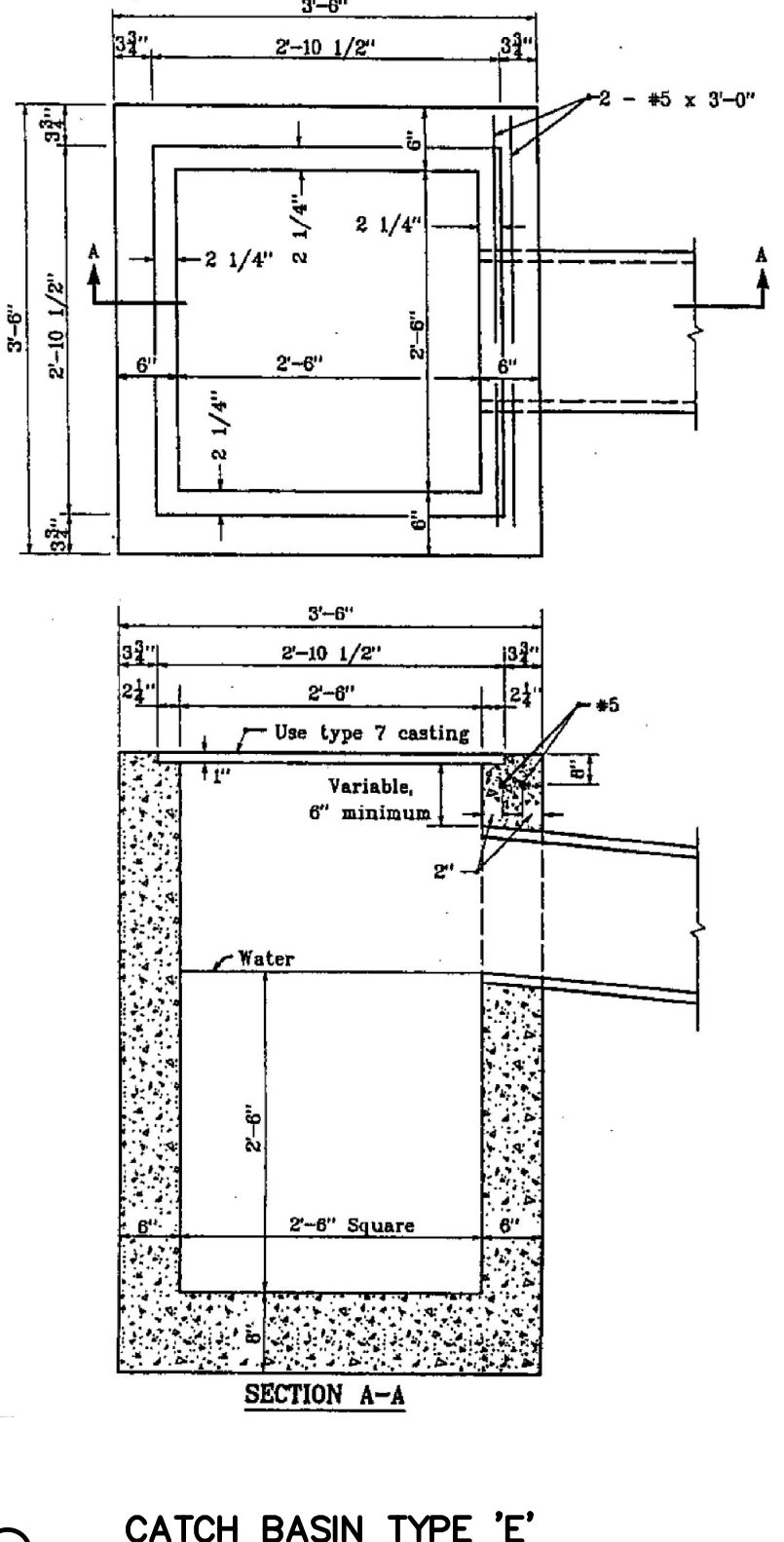
- GENERAL CONSTRUCTION NOTES
1. MEDICAL AMERICAN WATER'S SPECIFICATIONS AND ENGINEERING REQUIREMENTS FOR THE INSTALLATION OF WATER MAINS AND APPURTENANCES SHALL PREVAIL.
 2. ALL EXISTING IRON WATER MAINS AND APPURTENANCES SHALL BE REPLACED (SEE SPECIFICATIONS).
 3. ALL FUTURE OR EXISTING PAVEMENT AREAS SHALL BE COMPACTED BY APPROVED METHODS IN ACCORDANCE WITH THE REQUIREMENTS OF THE MEDICAL AMERICAN WATER'S SPECIFICATIONS AND ENGINEERING REQUIREMENTS.
 4. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF ALL CONSTRUCTION PERMITS (I.E. CITY, COUNTY, STATE, FEDERAL, OR OTHER AGENCIES, ETC.).
 5. CONTRACTOR SHALL KEEP ACCURATE DAILY RECORDS TO DEVELOP CONSTRUCTION PROGRESS REPORTS. REPORTS SHALL BE PROVIDED ON A DAILY BASIS.
 6. ALL PIPE SHALL BE FIELD JOINTED SYSTEM OR APPROVED EQUAL. SHALL BE USED ON AROUND THROUGH 16-INCH PIPE (SEE SPECIFICATIONS).
 7. WHEN THE ELEVATION OF THE PAVEMENT IS LOWER THAN THE ELEVATION OF THE GROUND WHERE THE PIPE IS TO BE Laid, THE PIPE SHALL BE Laid ON A COVER OF AT LEAST 18 INCHES AND SHALL BE PROTECTED BY A COVER OF AT LEAST 18 INCHES.
 8. CONTRACTOR SHALL VERIFY ALL RIGHTS-OF-WAY, PROPERTY LINES, OTHER UTILITY AND UNDERGROUND FACILITY LOCATIONS BEFORE DURING.
 9. CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO BE REVIEWED AND APPROVED BY THE CITY ENGINEER. THE PLAN SHALL PROVIDE ANY AND ALL TRAFFIC CONTROL MEASURES NECESSARY TO MAINTAIN THE FLOW OF TRAFFIC DURING CONSTRUCTION. THE PLAN SHALL BE PLACED AS NOTED OR WHERE APPROPRIATE.



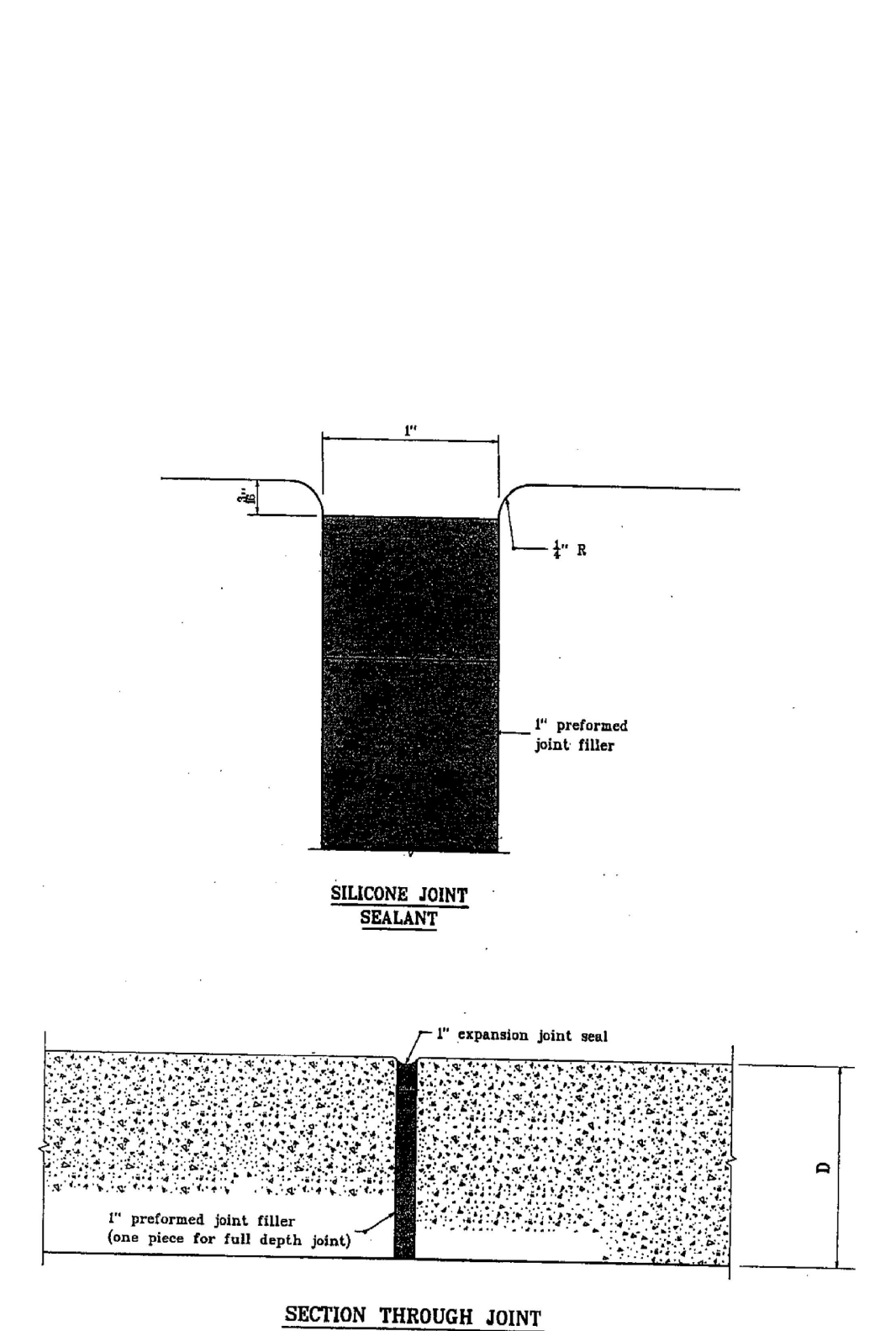
AIR RELEASE VALVE DETAIL

2' CURB CUT
NOT TO SCALESEWER CLEANOUT DETAIL
NOT TO SCALEINLET TYPE 'A'
NOT TO SCALE

CONCRETE

TYPICAL 121ST AVENUE
CROSS-SECTION
NOT TO SCALETYPICAL GIBSON STREET
CROSS-SECTION
NOT TO SCALESECTION THROUGH SIDEWALK
WITH UTILITY STRIPSECTION THROUGH SIDEWALK
ADJACENT TO CURBTRACK BARRIER DETAIL
NOT TO SCALEMANHOLE CASTING TYPE '4' RING AND COVER
NOT TO SCALEMANHOLE TYPE 'C'
NOT TO SCALECATCH BASIN TYPE 'E'
NOT TO SCALEFLAT TOP GRATE CASTING
TYPE 2
NOT TO SCALE1020 EJW 1020, M2
NOT TO SCALE

SECTION A-A



SECTION THROUGH JOINT

SIDEWALK EXPANSION JOINT
NOT TO SCALE

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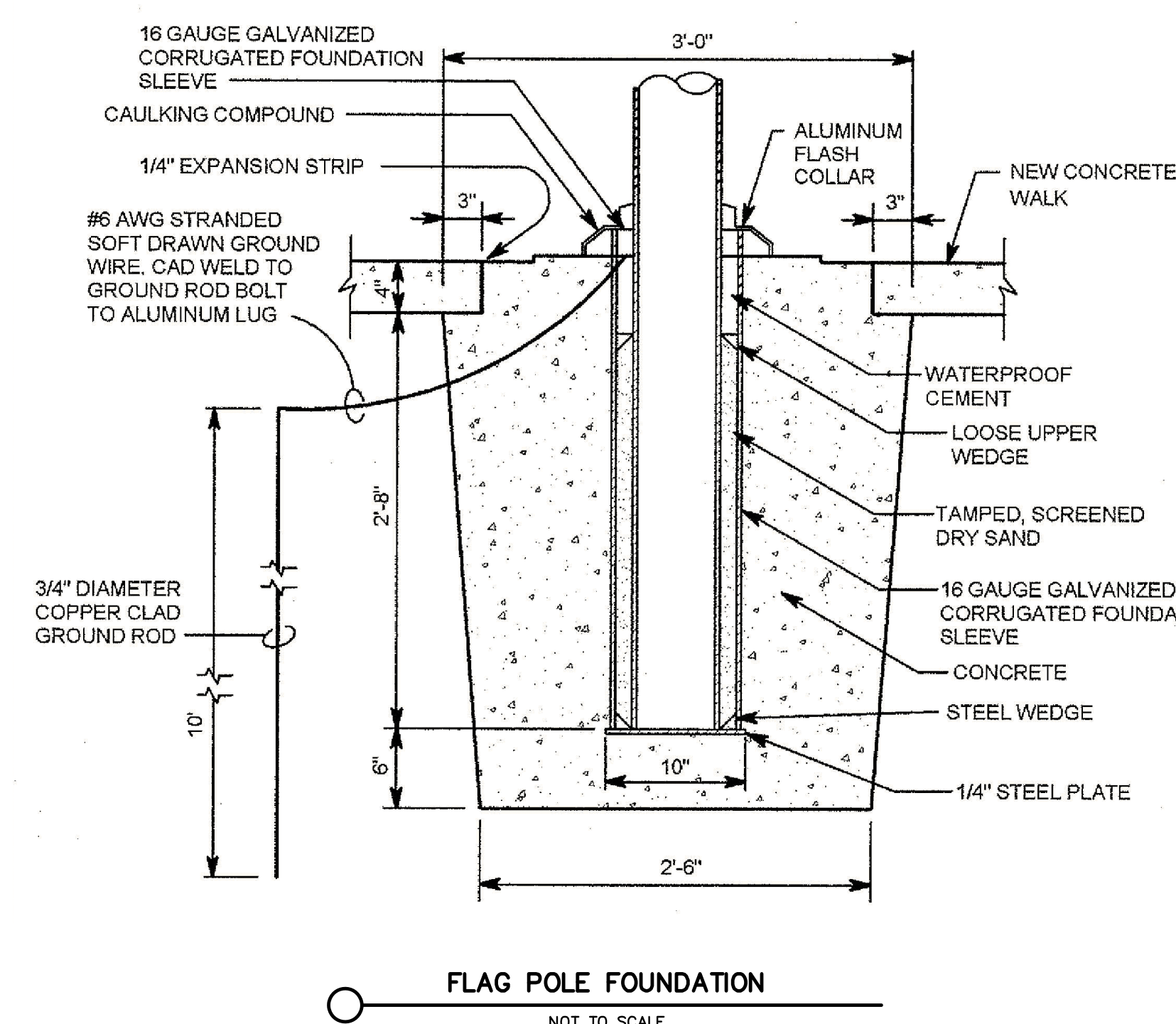
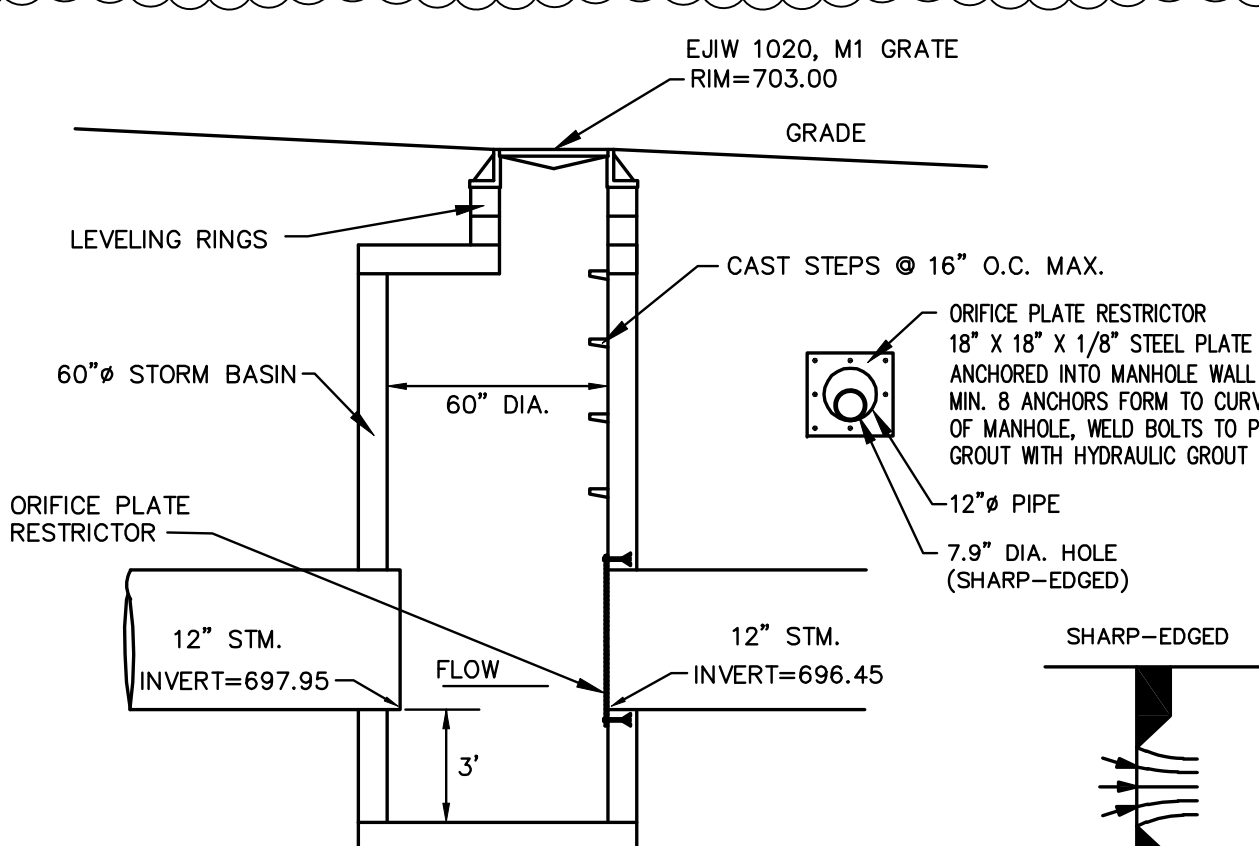
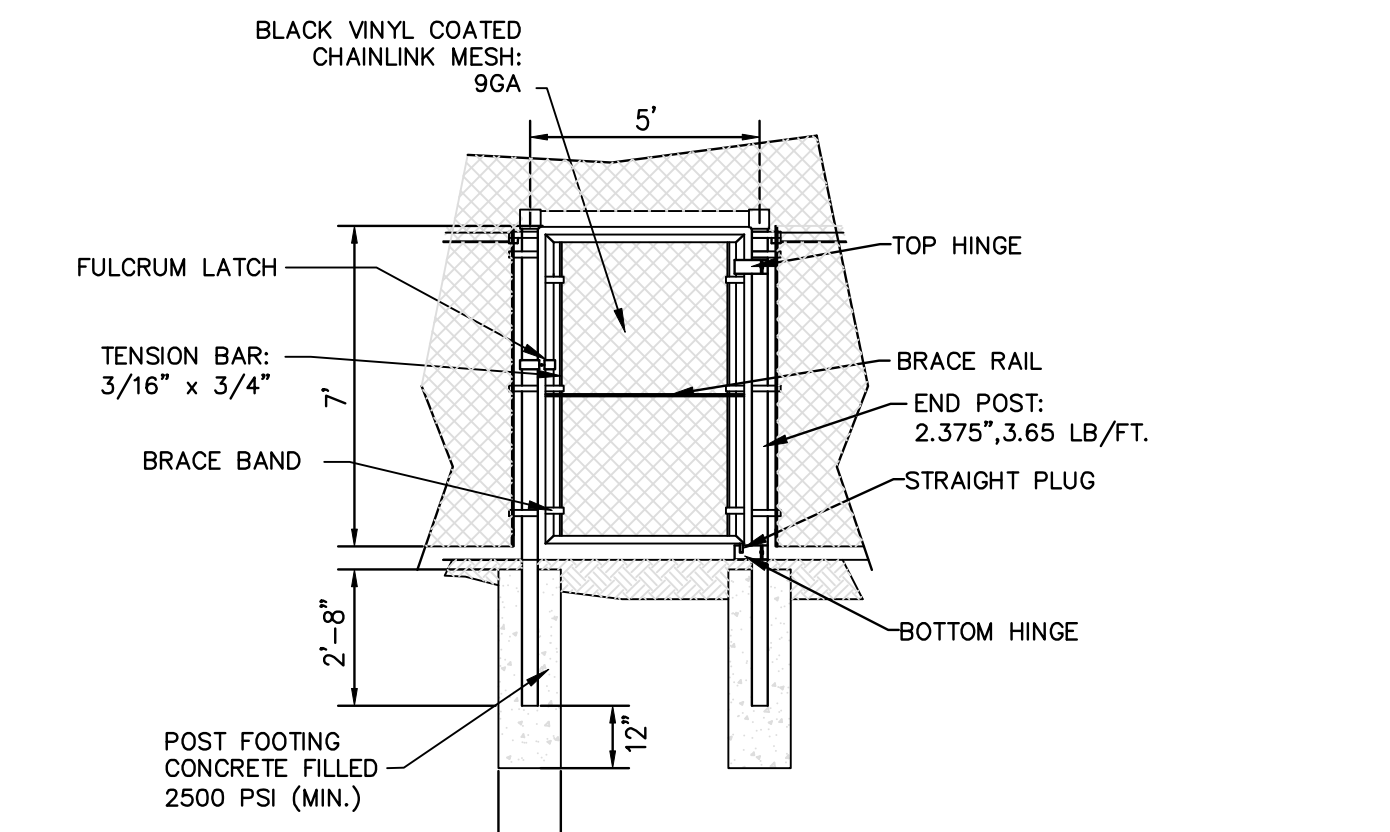
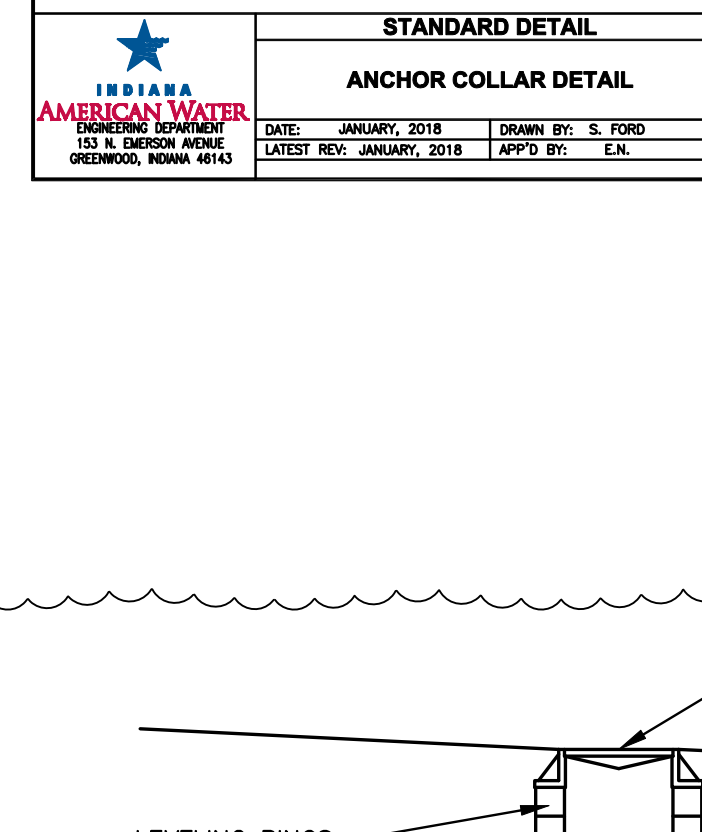
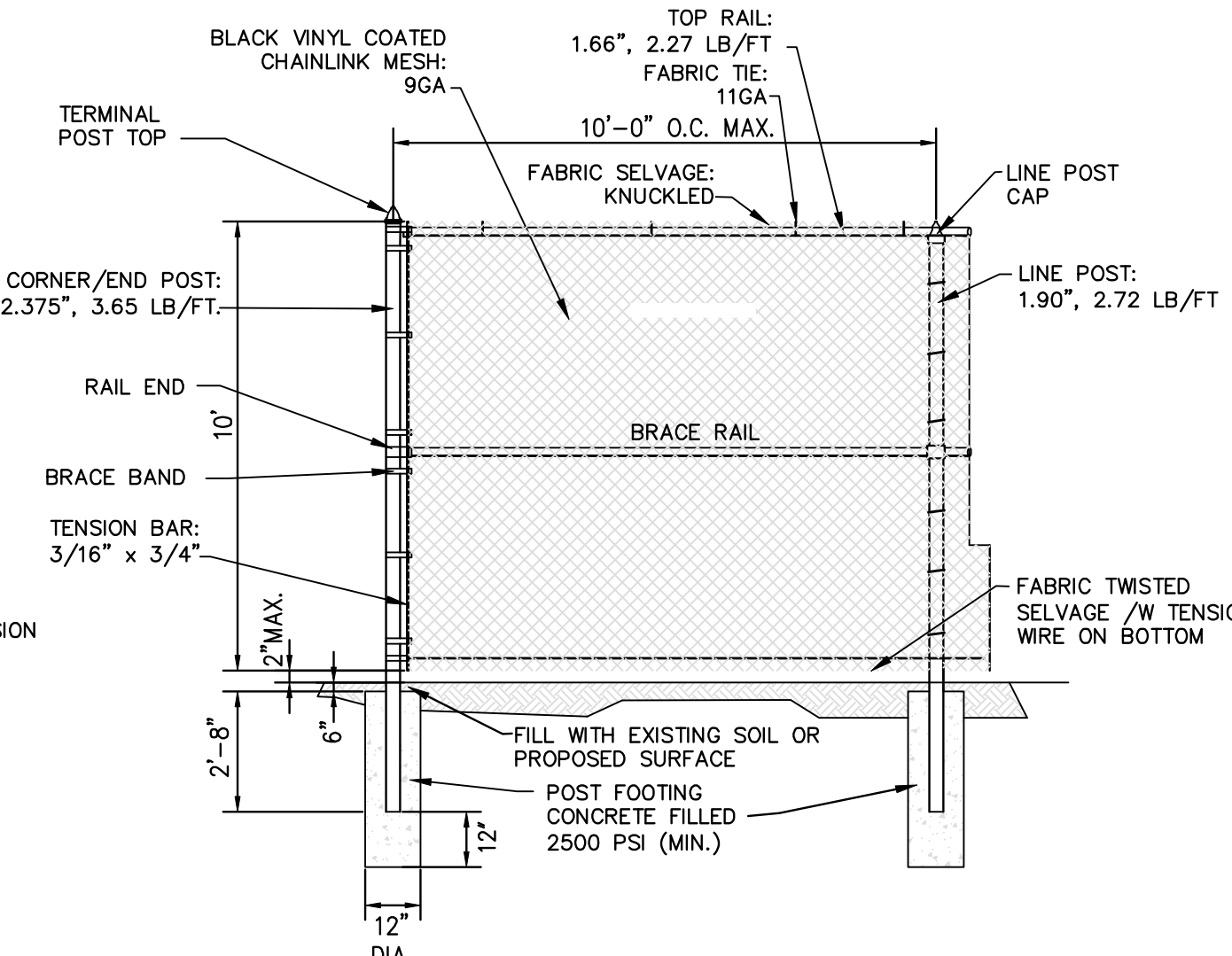
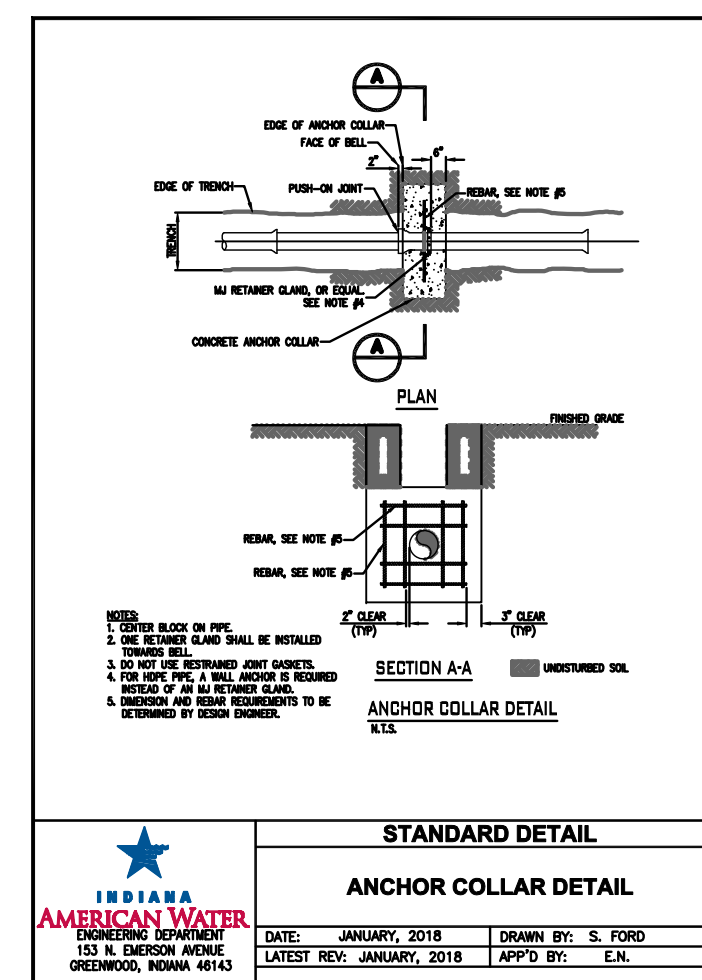
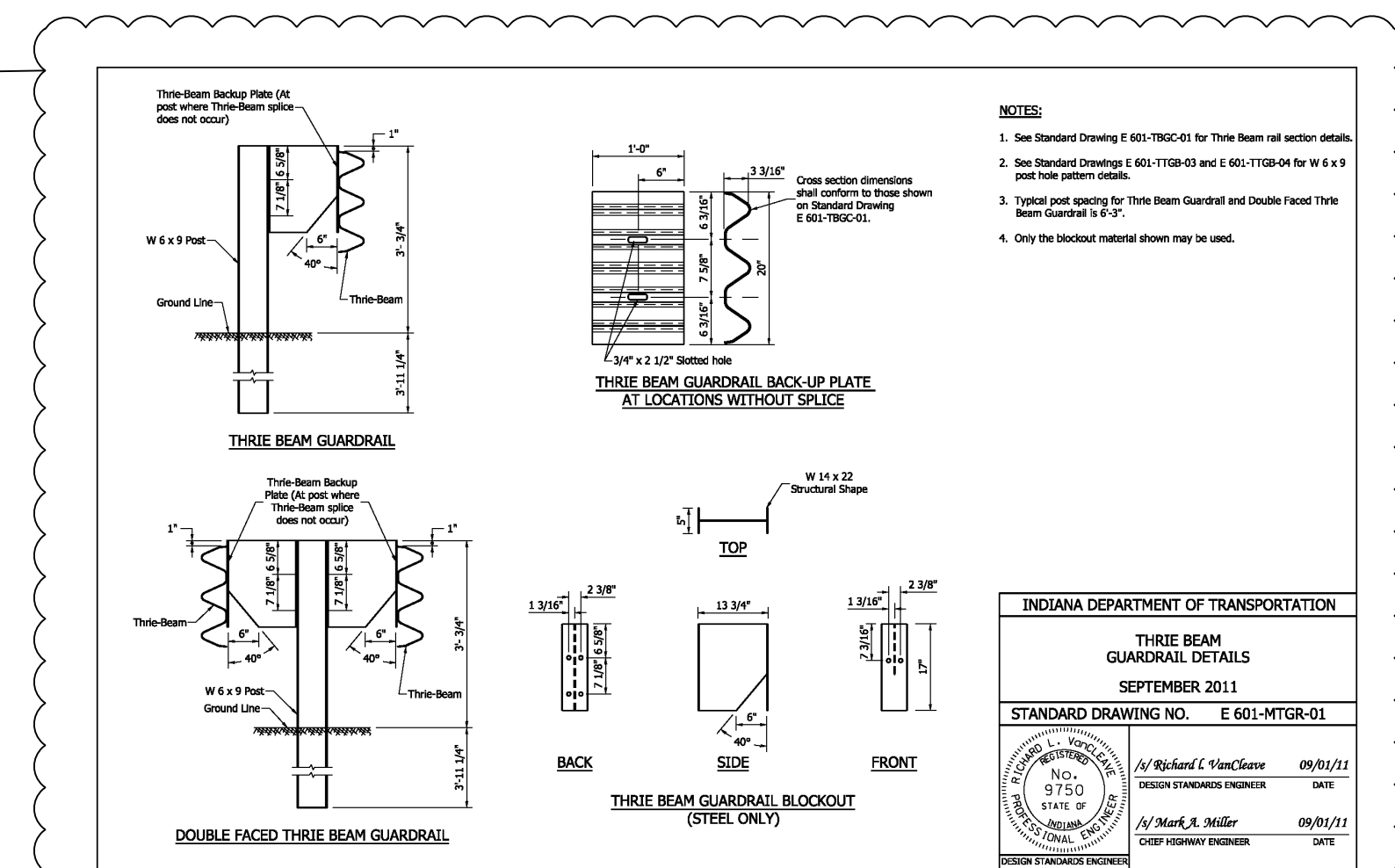
REVISIONS	MARK	DATE	ISSUED FOR
AD-2	06/16/2021	ADDENDUM NO. 2	
AD-3	06/18/2021	ADDENDUM NO. 3	
PR-1	07/20/2021	PR. NUMBER 1	
PR-24	09/21/2022	PR. NUMBER 24	

REVISIONS	MARK	DATE	ISSUED FOR
AD-2	06/16/2021	ADDENDUM NO. 2	
AD-3	06/18/2021	ADDENDUM NO. 3	
PR-1	07/20/2021	PR. NUMBER 1	
PR-24	09/21/2022	PR. NUMBER 24	

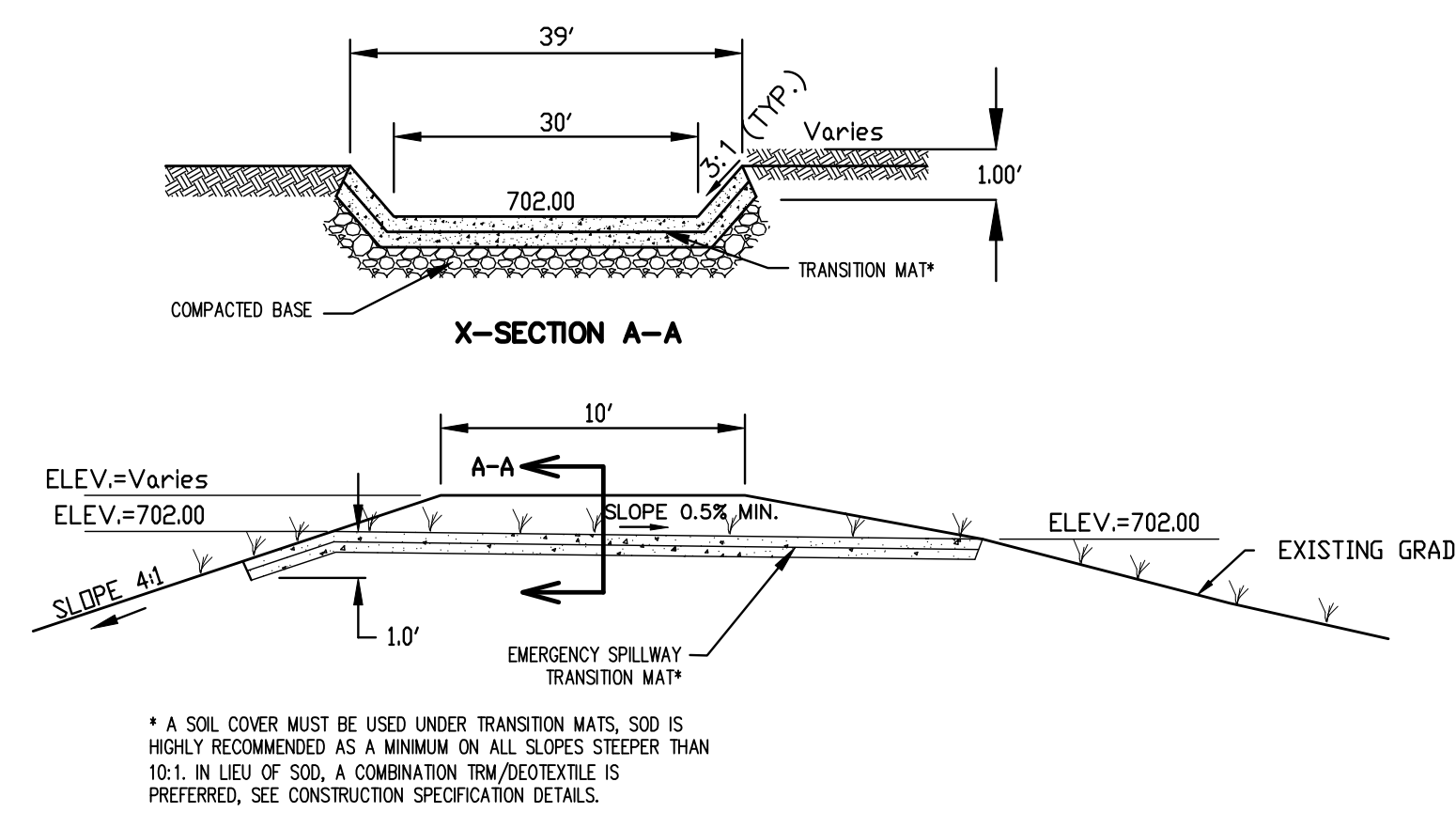
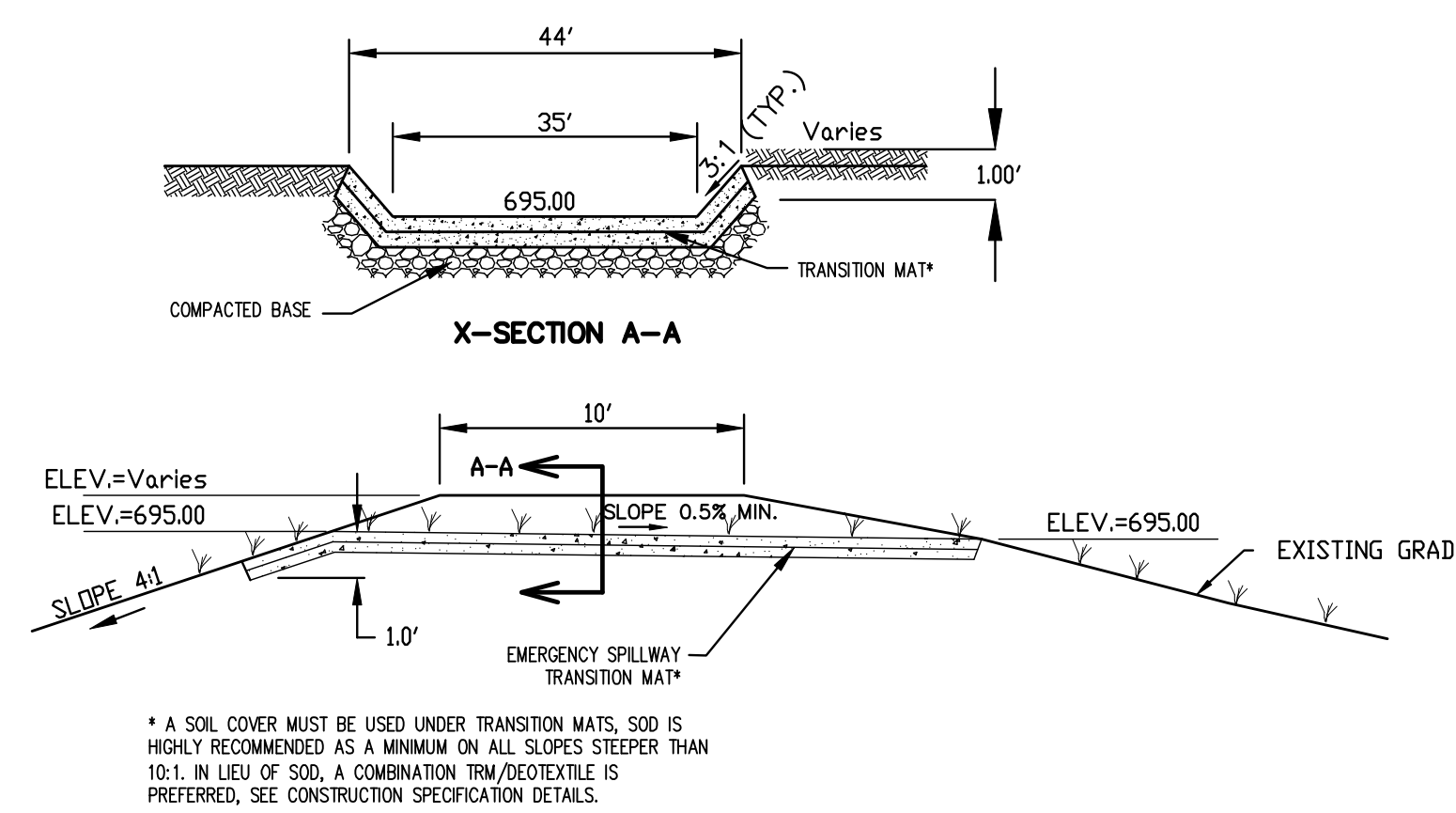
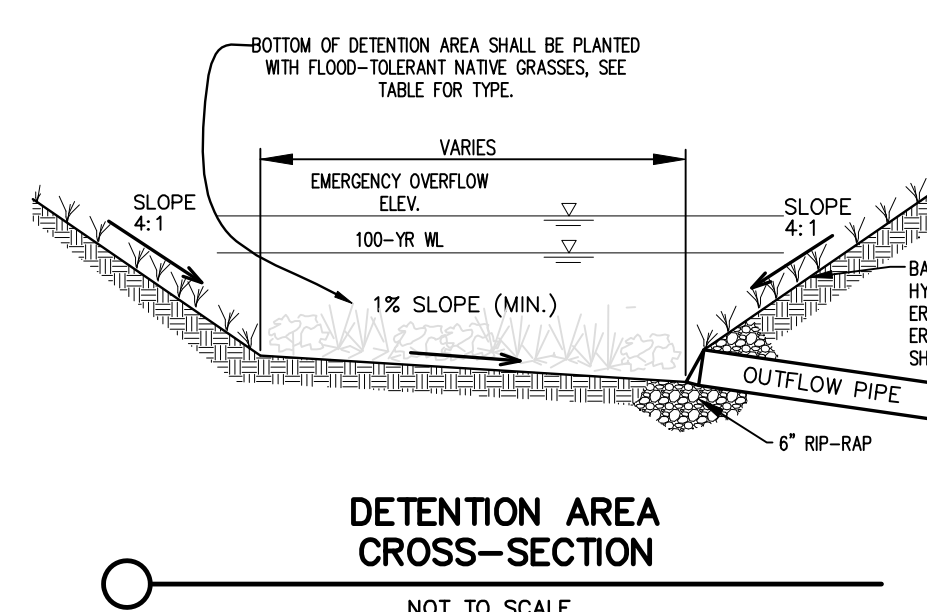
DRAWING
DETAILS & SPECIFICATIONS

PROJECT
NEW MIDDLE SCHOOL

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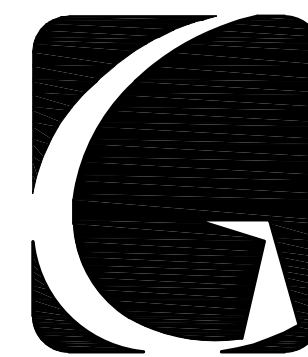


Low Profile Native Grass	NWL to Limits of Seeding	
Botanical Name	Common Name	lbs/acre
Andropogon scoparius	Little Blue Stem	20
Bouteloua curtipendula	Side Oat Grass	15
Elymus canadensis	Canada Wild Rye	3
Sporobolus heterolepis	Prairie Dropseed	1
Agrostis alba	Redtop	5
Perennial Ryegrass		35
Alta Fescue		45
Ky. Bluegrass		20
Creeping Red fescue		10
Slender Wheat Grass		5
Cover Crop		
Annual Ryegrass	Annual Rye	50
Avena sativa	Common Oat	40



NOT INCLUDED
IN THIS BID
PACKAGE

NOT INCLUDED
IN THIS BID
PACKAGE

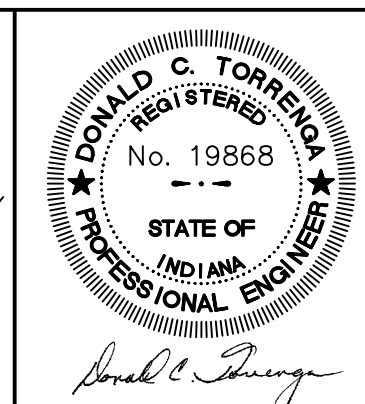


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PROJECT
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SCHOOL

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CROWN POINT, INDIANA

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DRAWING

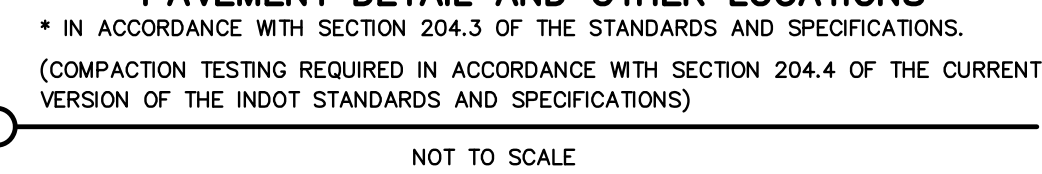
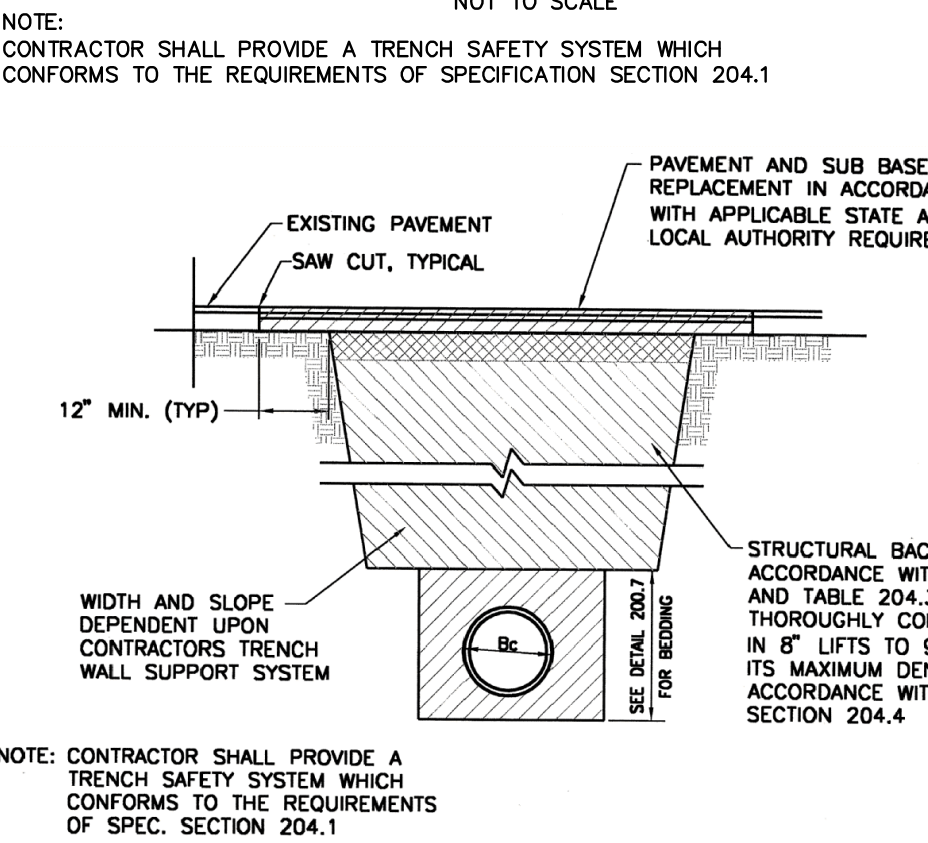
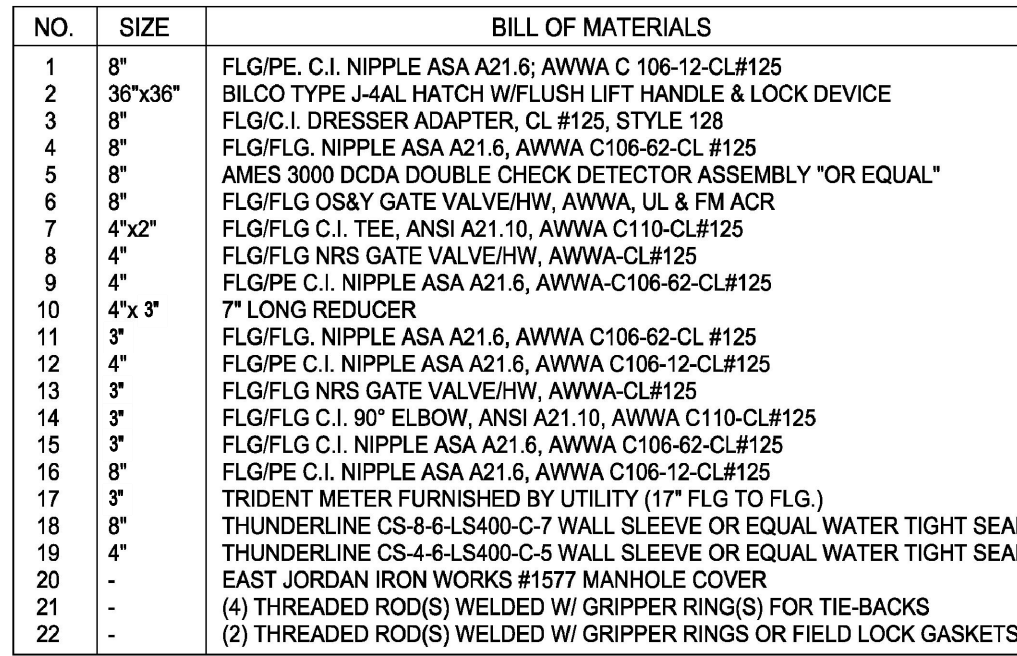
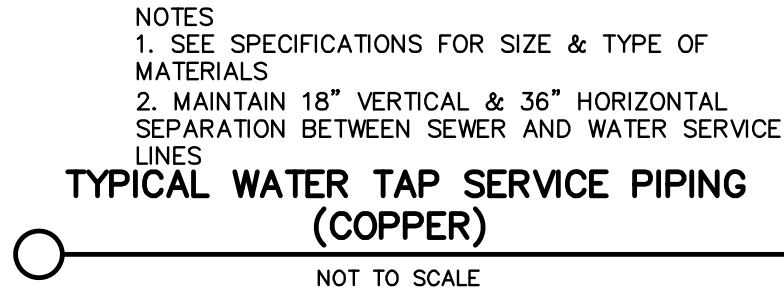
DETAILS & SPECIFICATIONS

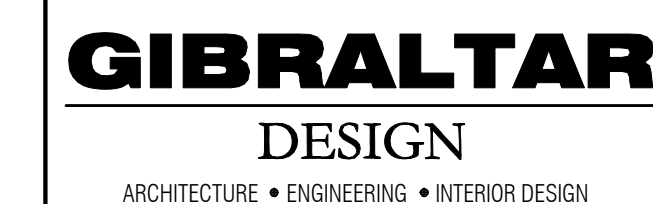
PROJECT
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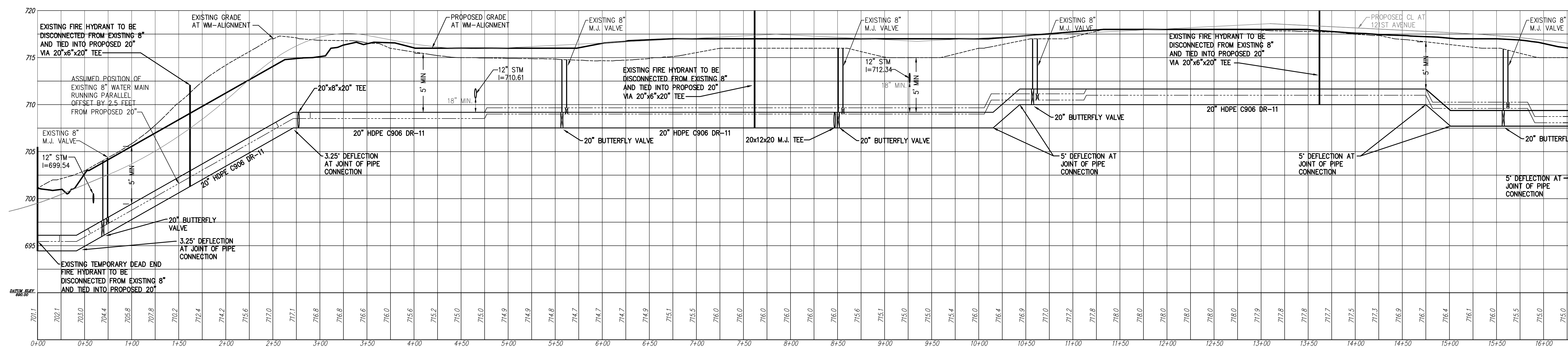
SHEET

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CROWN POINT COMMUNITY
SCHOOL CORPORATION
CROWN POINT, INDIANA



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DCT RAT



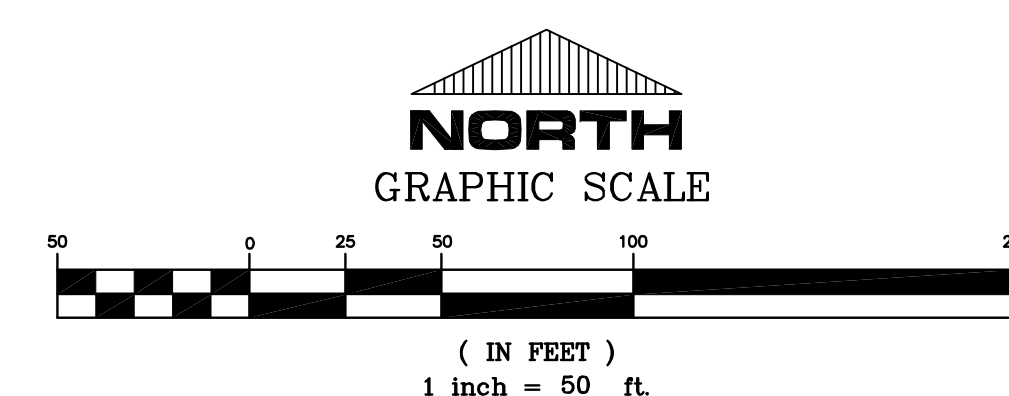
Seal of Donald C. Tortenka, Registered Professional Engineer, State of Indiana, No. 19868. The seal is circular with the text "DONALD C. TORTENKA" at the top, "REGISTERED" at the top, "No. 19868" in the center, "STATE OF INDIANA" at the bottom, and "PROFESSIONAL ENGINEER" at the bottom. There are two stars on either side of the state name. A signature is written below the seal.

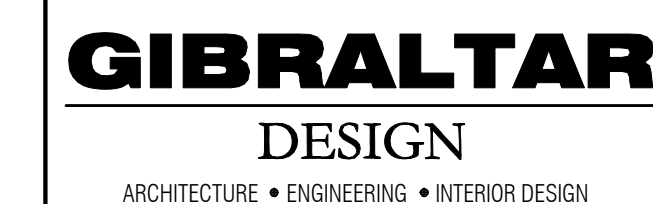
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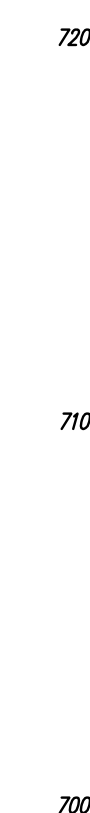
PROJECT	
NEW MIDDLE SCHOOL	

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CROWN POINT COMMUNITY
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CROWN POINT, INDIANA



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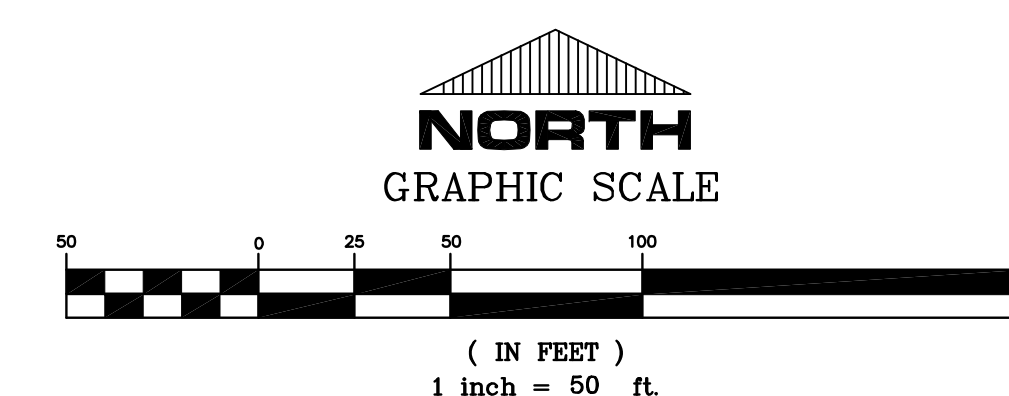
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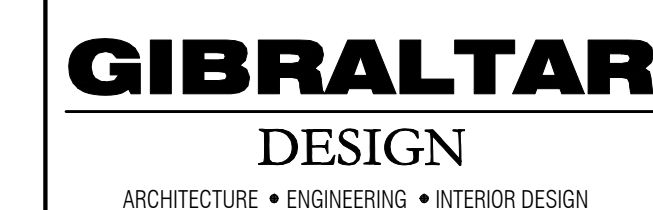
DRAWING
PROFILE - WATER MAIN ON
E.121st AVENUE

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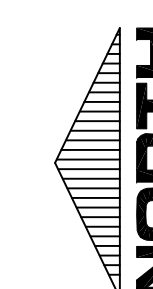
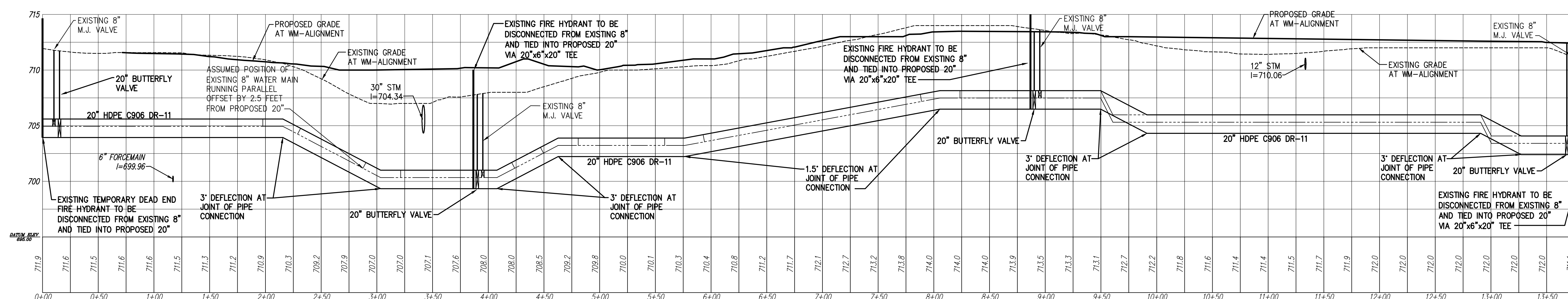
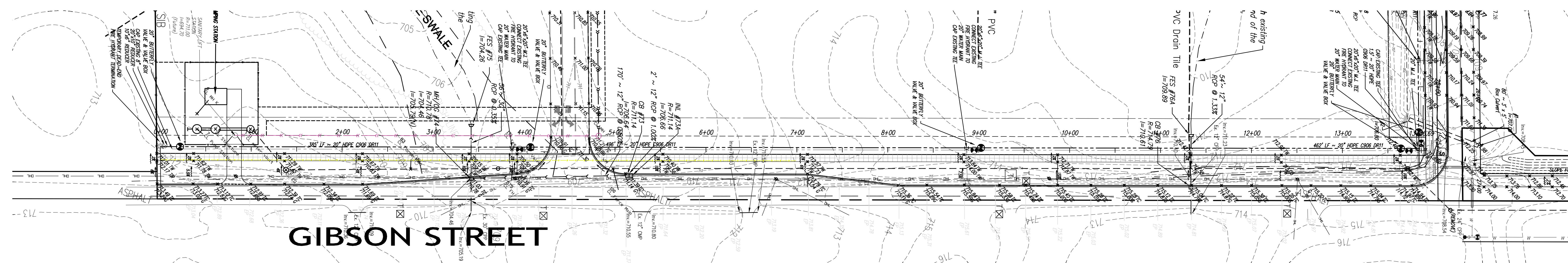
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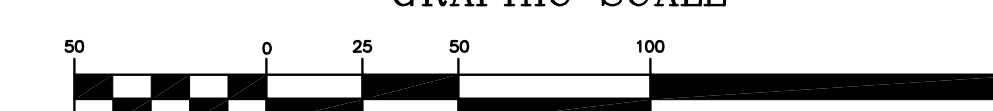


PROJECT
NEW MIDDLE
SCHOOL

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CROWN POINT, INDIANA



GRAPHIC SCALE

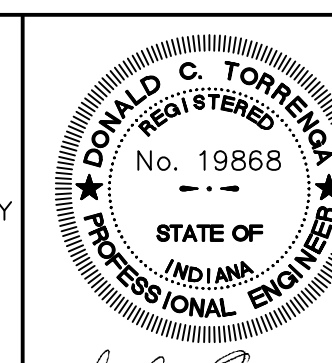


(IN FEET)
1 inch = 50

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PROJECT
21-107
DATE
12/07/22
COORDINATED
DCT
DRAWN BY
DCT EM
CHECKED BY
DCT RAT



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DRAWING
PROFILE - WATER MAIN ON
GIBSON STREET

PROJECT	NEW MIDDLE SCHOOL
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