

MSD PIKE TOWNSHIP PIKE HIGH SCHOOL BASEBALL/SOFTBALL RENOVATIONS

5401 W. 71ST STREET
INDIANAPOLIS, IN. 46268

ARCHITECT



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CONSULTANT

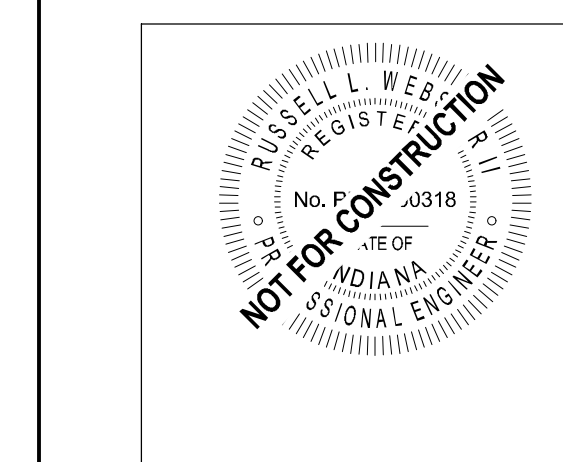
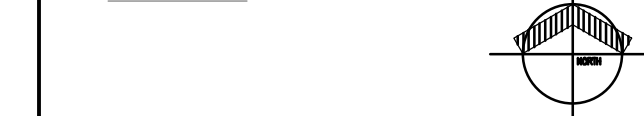


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KEY PLAN

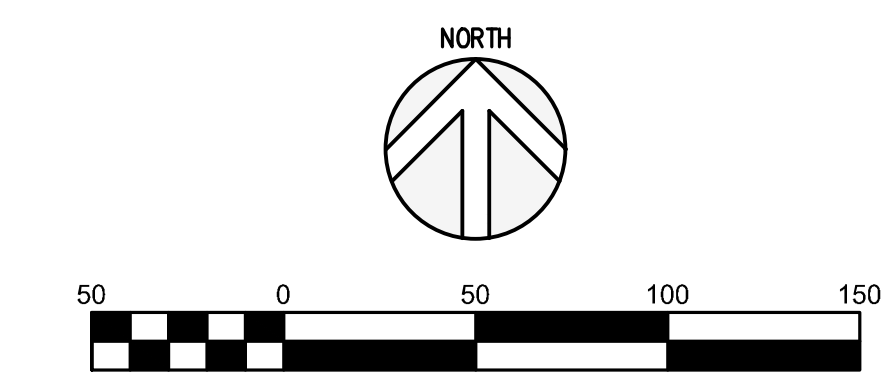


PROJECT MANAGER: RLW
DRAWN BY: JHL
PROJECT NUMBER: 2024-301
PROJECT ISSUE DATE: 10/03/2024

REV. NO.	DESCRIPTION	DATE
2	PLANS ISSUED FOR BID	10/03/2024
	ADDENDUM 2	10/24/2024

EROSION CONTROL PLAN
PRE-CONSTRUCTION

G4.0



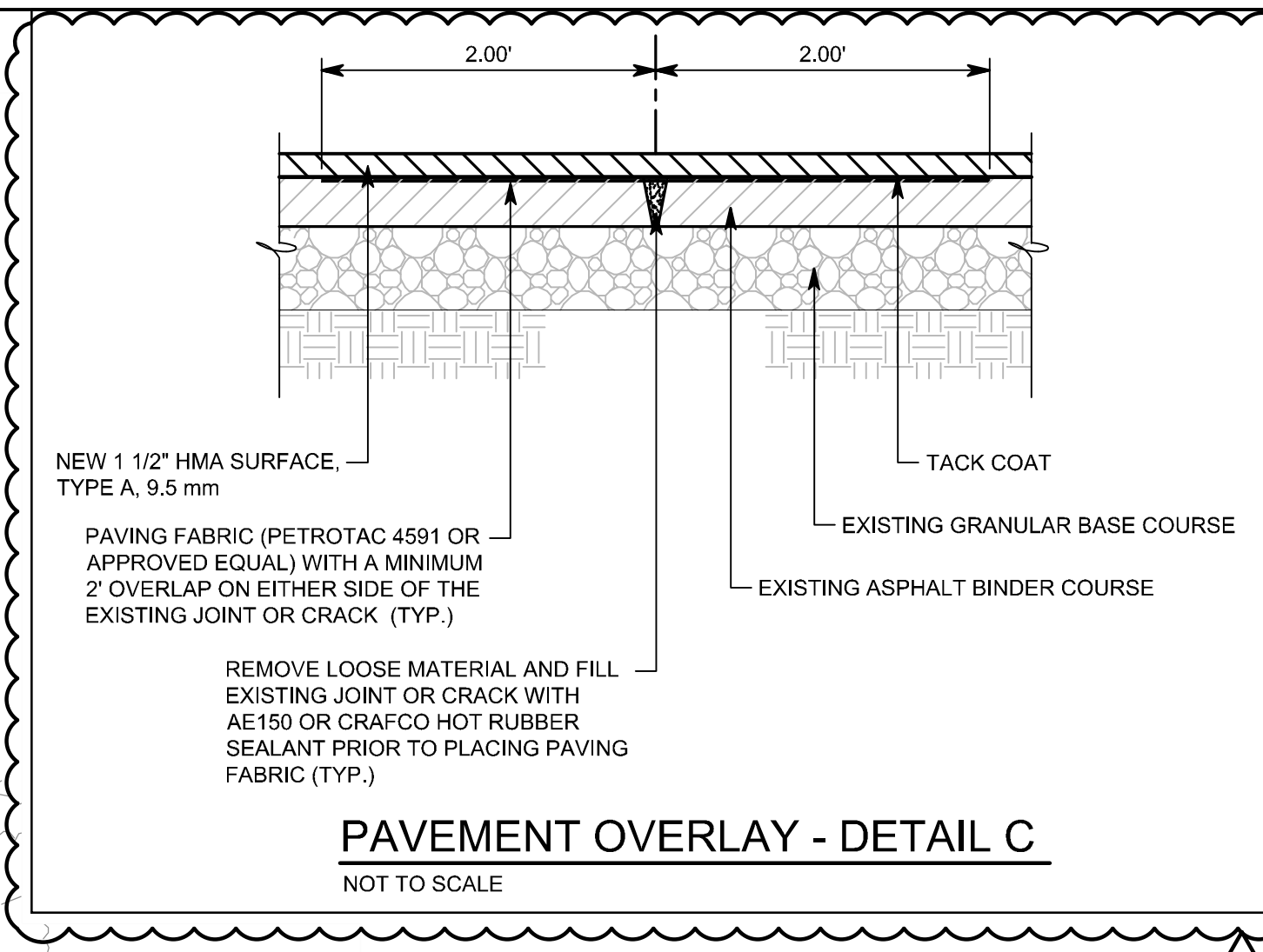
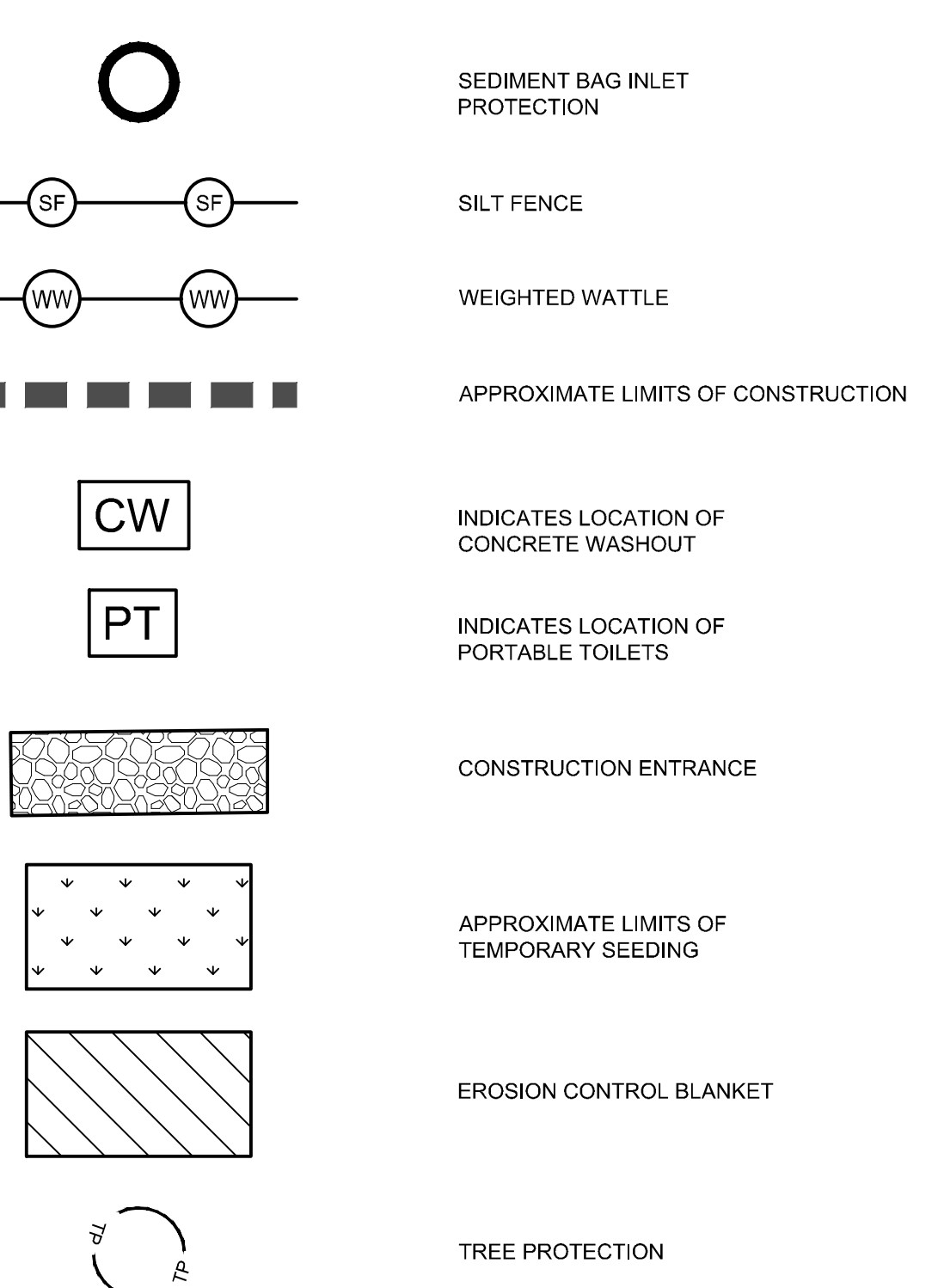
GENERAL NOTES

1. TOPOGRAPHIC CONDITIONS AND EXISTING UTILITIES SHOWN WERE PROVIDED BY SURVEY FIRST LLC, DATED 08-01-2024. THE ENGINEER MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED.
2. SEE TOPOGRAPHIC SURVEY SHEETS 1-4 FOR BENCHMARK AND CONTROL POINT INFORMATION.
3. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE PROJECT AREA INCLUDING UNDERGROUND UTILITY CONDITIONS, LOCATION AND DEPTH PRIOR TO ANY OTHER SITE CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER. IN AREAS WHERE UTILITIES CROSS, CONTRACTOR SHALL EXPOSE EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION AND REPORT ANY ELEVATION CONFLICTS WITH PROPOSED UTILITIES TO THE ENGINEER.
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5. MAINTENANCE OF TRAFFIC MEASURES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR TO COORDINATE WITH OWNER ON ANY ROAD / DRIVE CLOSURES ALONG WITH SEQUENCING.
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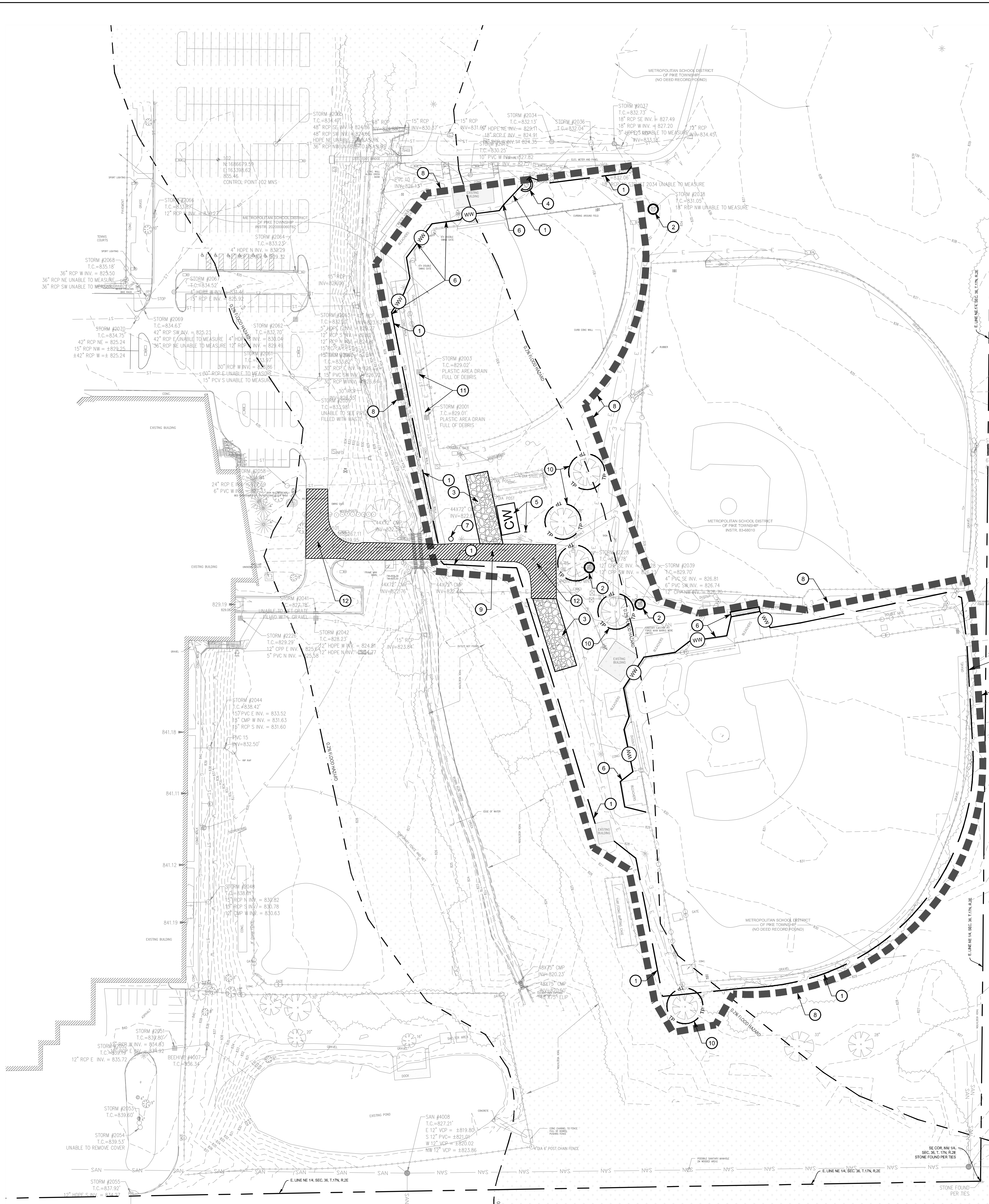
EROSION CONTROL KEYNOTES

1. SILT FENCE DETAIL, PER DETAIL B/G4.4
2. INLET SEDIMENT PROTECTION, PER DETAIL G/G4.4
3. CONSTRUCTION ENTRANCE DRIVE, PER DETAIL C/G4.4
4. ROCK CHECK DAM, PER DETAIL K/G4.4
5. CONCRETE WASHOUT AND SIGN, PER DETAIL E/G4.4
6. WEIGHTED WATTLE, PER DETAIL Q/G4.4
7. PROJECT INFORMATION BOARD, PER DETAIL M/G4.4
8. PLACE AT ENTRANCE TO PROJECT SITE. COORDINATED LOCATION WITH OWNER PRIOR TO START OF CONSTRUCTION.
9. CONSTRUCTION LIMITS
10. DURING CONSTRUCTION KEEP PAVEMENT AND WORK AREAS IN AN ORDERLY CONDITION. CLEAN WHEELS OF VEHICLES BEFORE LEAVING SITE TO AVOID TRACKING SOIL ON TO ROADS OR OTHER PAVED AREAS. CONTRACTOR SHALL PERFORM CLEANING AND SWEEPING OF ENTRANCE, RUMBLE STRIPS OR TIRE WASHING AS REQUIRED TO PREVENT TRACK OFF OF SOILS FROM SITE ON A WEEKLY AND AS NEEDED BASIS DURING CONSTRUCTION ACTIVITIES INVOLVING EARTHWORK.
11. TREE PROTECTION, PER DETAIL N/G4.4
12. CONTRACTOR SHALL INVESTIGATE OUTLET LOCATION AS IT IS NOT SHOWN ON THE SURVEY. REPORT BACK TO ENGINEER IF AN OUTLET IS DETERMINED. OTHERWISE, REMOVE EXISTING STORM SEWER INLETS AND PIPES TO INSTALL PROPOSED DETENTION OUTLET.
13. ALTERNATE: 1.5" MILL AND RESURFACE EXISTING PAVEMENT UPON PROJECT COMPLETION AS SHOWN OR TO LIMITS OF DAMAGED SURFACE. REFER TO DETAIL C ON THIS SHEET FOR PAVEMENT OVERLAY WITH CRACK AND JOINT REPAIR.

EROSION CONTROL LEGEND



PAVEMENT OVERLAY - DETAIL C
NOT TO SCALE



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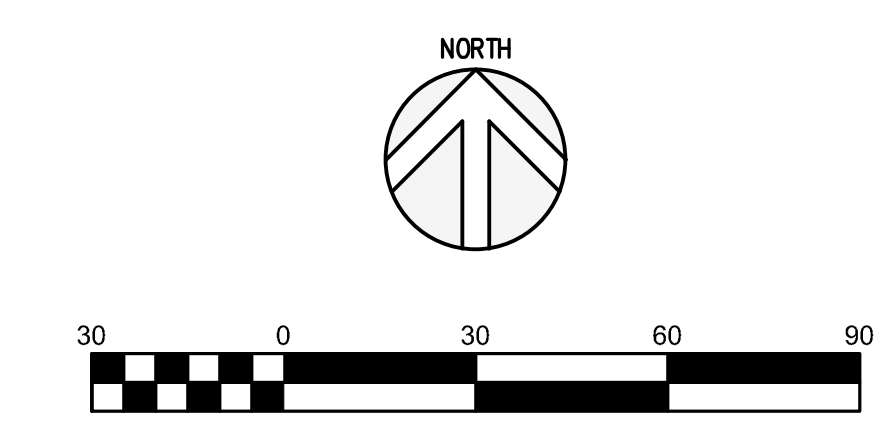
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Drawings Path: P:\2024\0001\001\CAD\Civil\Asst\2024-301_G4.0 - EC_PRE.dwg
Plotted By: mbeisher Time of Plot: 10/23/24 - 2:28pm Last Edited: 10/23/24 - 2:16pm

**MSD PIKE TOWNSHIP
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RENOVATIONS**

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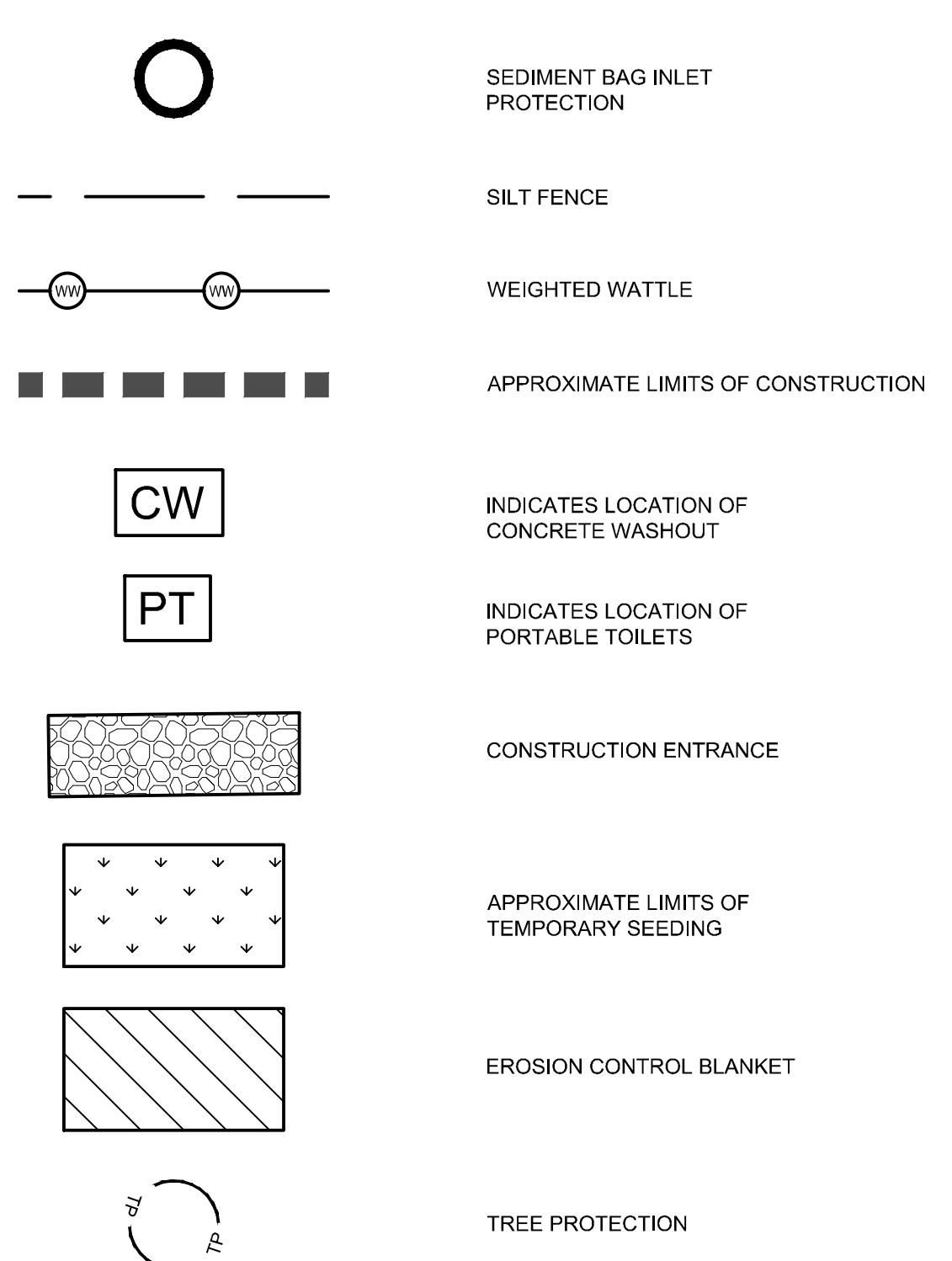
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- CONSTRUCTION ENTRANCE DRIVE, PER DETAIL O/G4.4
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- TREE PROTECTION, PER DETAIL N/G4.4
- ROCK CHECK DAM, PER DETAIL K/G4.4
- RIPRAP AT END SECTION, PER DETAIL P/G4.4
- EROSION CONTROL BLANKET, PER DETAIL H AND J/G4.4
- AREA TO BE SEEDED - SEE LANDSCAPE PLANS AND SHEET G4.4

EROSION CONTROL LEGEND



MATCH LINE - SEE SHEET G4.2

ARCHITECT



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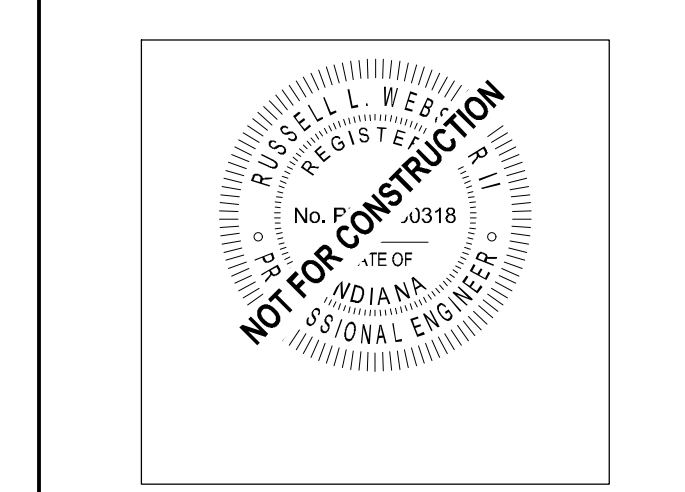
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KEY PLAN



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DRAWN BY: JHL
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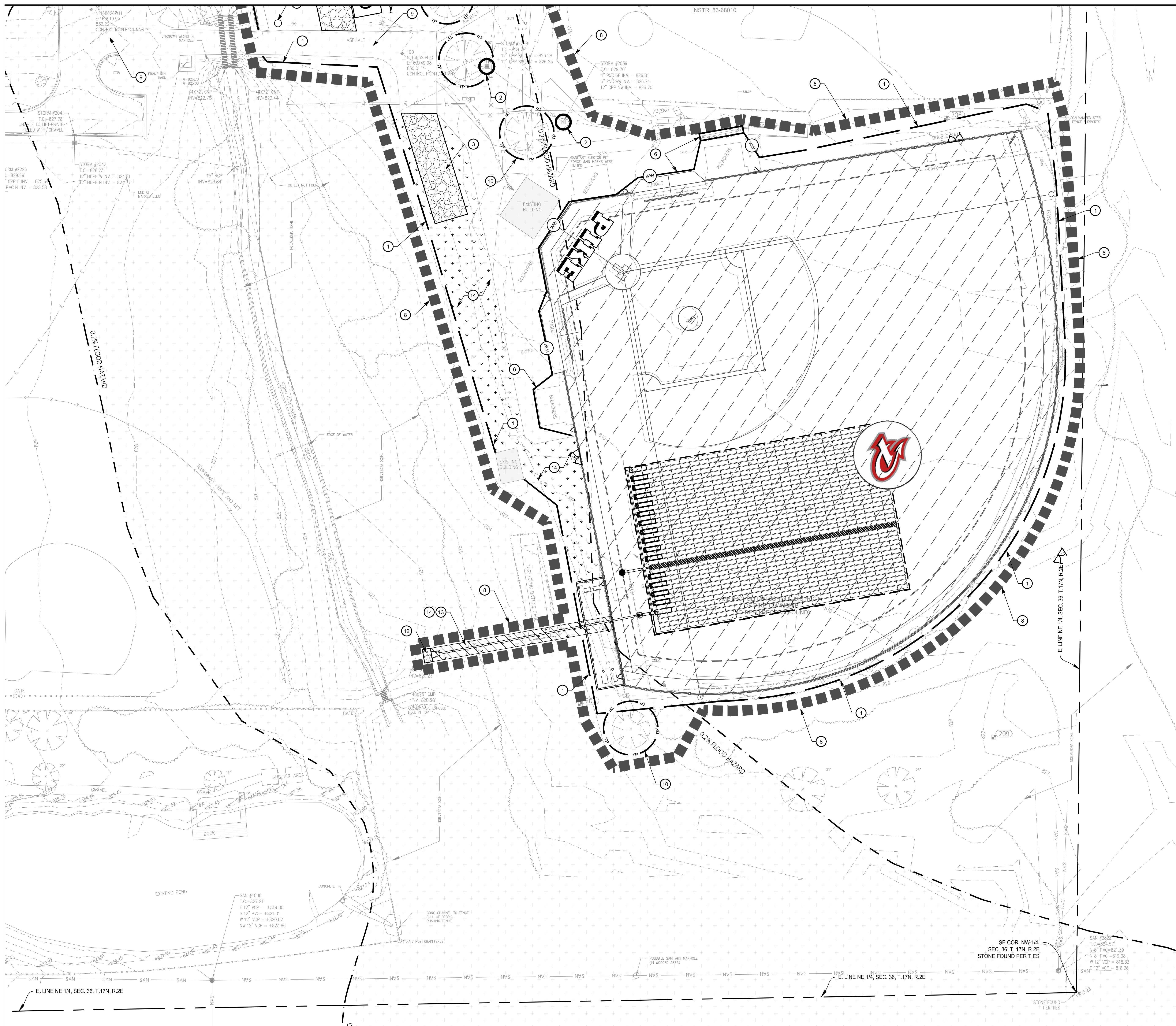
EROSION CONTROL PLAN

G4.1

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Drawing Path: P:\2024\301\301A\CAD\Civil\Arch\A\2024-301-G4.1 - G4.2 - EC_2024.dwg
 Printed By: mbeahler Time of Plot: 10/23/24 - 2:28pm Last Editor: 10/23/24 - 1:45pm



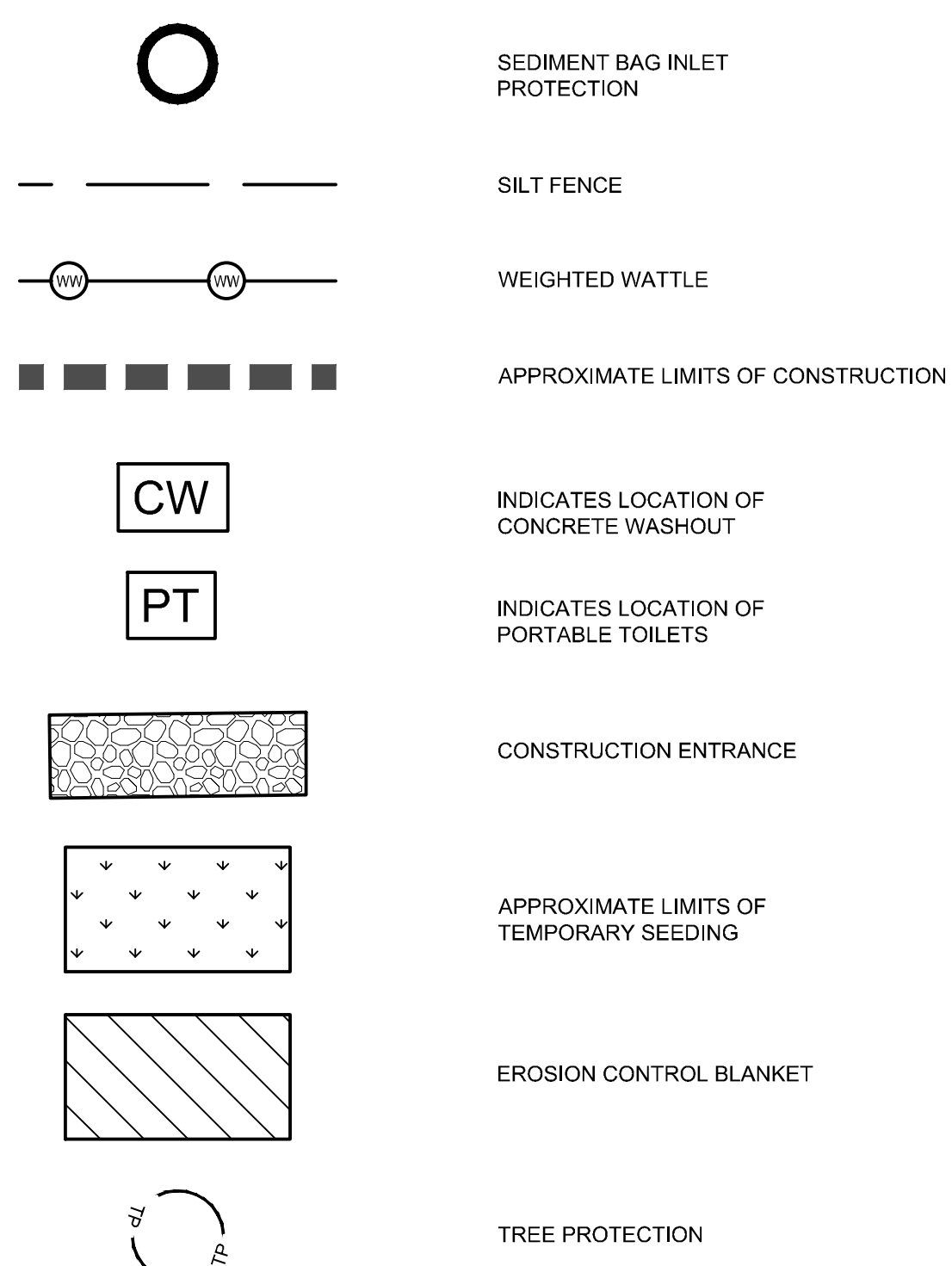
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14. AREA TO BE SEEDED - SEE LANDSCAPE PLANS AND SHEET G4.4

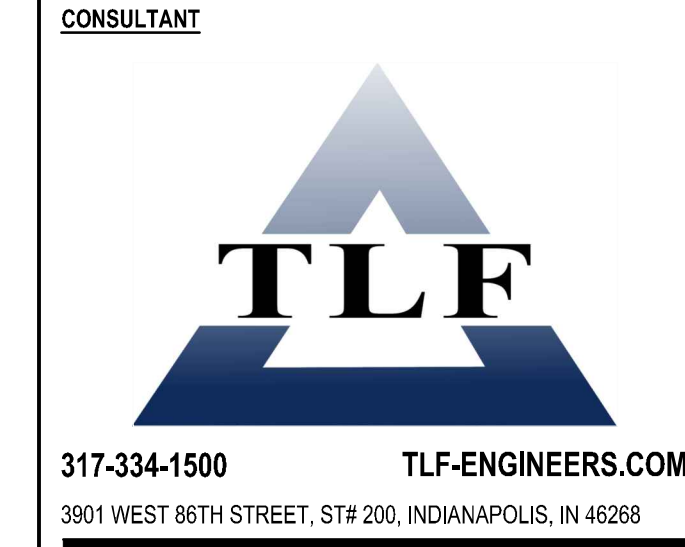
EROSION CONTROL LEGEND



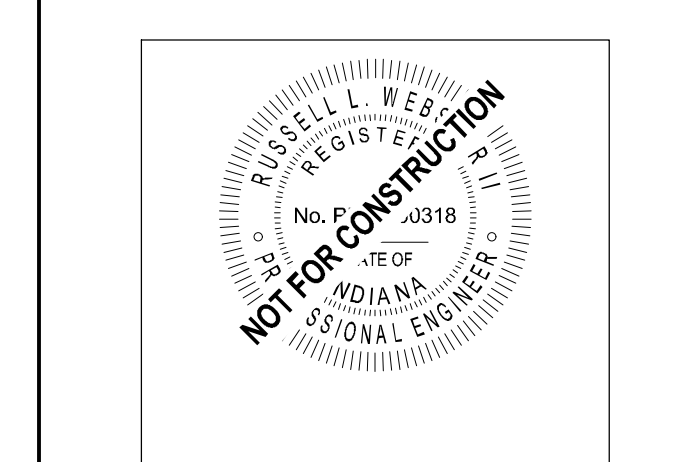
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PROJECT MANAGER: RLW
DRAWN BY: JHL
PROJECT NUMBER: 2024-301
PROJECT ISSUE DATE: 10/03/2024

REV. NO.	DESCRIPTION	DATE
2	PLANS ISSUED FOR BID	10/03/2024
	ADDENDUM 2	10/24/2024

EROSION CONTROL PLAN

G4.2

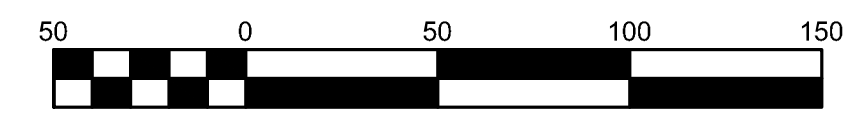
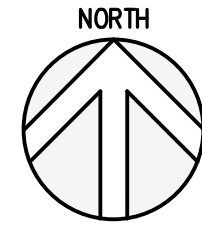
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Drawing Date: 10/20/24 10:31:30 AM C:\Users\jhl\OneDrive\2024-301_G4.2 - EC_8002.dwg
 Plotted By: mbeahler Time of Plot: 10/23/24 - 2:28pm Last Edited: 10/23/24 - 1:45pm

MSD PIKE TOWNSHIP PIKE HIGH SCHOOL BASEBALL/SOFTBALL RENOVATIONS

5401 W. 71ST STREET
INDIANAPOLIS, IN. 46268



GENERAL NOTES

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5. ALL PROPOSED STORM SEWER AND DRAINAGE APPURTENANCES SHALL BE IN CONFORMANCE WITH CHAPTERS 400 AND 500 OF THE CITY OF INDIANAPOLIS STORMWATER SPECIFICATIONS MANUAL, LATEST EDITION. DISCREPANCIES BETWEEN THE PLANS AND THE MANUAL SHALL NOT ALLEVIATE THE CONTRACTOR FROM ADHERING TO THE REQUIREMENTS AS SET FORTH IN THE MANUAL.
6. THE BENCHWALL SHALL FORM A DEFINED CHANNEL, TO A MINIMUM HEIGHT OF 80% OF THE INSIDE DIAMETER OF THE INLET AND OUTLET PIPES TO FORM A 'U' SHAPED CHANNEL. CONSTRUCTION AT A MINIMUM 1/2-INCH PER FOOT SLOPE TO THE MANHOLE WALL.
7. NO FLOODWAY LIMITS ARE LOCATED WITHIN THE PROJECT LIMITS. AREAS OF PROJECT LIE WITHIN ZONE X REDUCED RISK DUE TO LEVEE.
8. THE BASE FLOOD ELEVATION TAKEN FROM FEMA FIRM MAPS INDICATES THE BASE FLOOD ELEVATION TO BE 820.50'.
9. ALL STORMWATER INLETS AND CATCH BASINS SHALL HAVE THE WORDS 'NO DUMPING, DRAINS TO STREAM' OR SIMILARLY APPROVED MESSAGE, CAST IN RAISED OR RECESSED LETTERS AT A MINIMUM OF ONE (1) INCH IN HEIGHT. IN ADDITION, A SYMBOL OF A FISH SHALL BE CAST WITH THE LETTERS. STORM SEWER MANHOLE COVERS SHALL HAVE THE WORDS 'STORM SEWER' CAST IN RECESSED LETTER TWO (2) INCHES IN HEIGHT.

ARCHITECT



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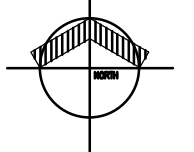
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KEY PLAN



UTILITY KEYNOTES

1. PROPOSED UNDERGROUND DETENTION SYSTEM 1, 480 ADS STORMTECH MODEL 310 CHAMBERS, CHAMBER INVERT=825.80, STONE INVERT =825.30, SHALL INCLUDE 6" UNDERDRAIN AND ISOLATOR ROW. REFER TO DETAILS ON SHEET SUB.2.
2. PROPOSED UNDERGROUND DETENTION SYSTEM 2, 962 ADS STORMTECH MODEL 310 CHAMBERS, CHAMBER INVERT=825.50, STONE INVERT =825.00, SHALL INCLUDE 6" UNDERDRAIN AND ISOLATOR ROW.REFER TO DETAILS ON SHEET SUB.2.
3. PROPOSED OUTLET CONTROL STRUCTURE, REFER TO DETAILS ON SHEET SUB.0-SUB.01
4. PROPOSED END SECTION, REFER TO DETAILS ON SHEET SUB.0-SUB.01
5. PROPOSED FIELD SECTION WITH UNDERDRAIN SYSTEM, REFER TO DETAILS
6. CONNECT UNDERDRAIN HEADERS TO PROPOSED STRUCTURE
7. STRUCTURE SHALL BE COVERED BY GROUND UTILITY BOX FOR MAINTENANCE, AND SHALL BE TURF COVERED. REFER TO PROPOSED SPECIFICATIONS AND PROPOSED LANDSCAPE DRAWINGS.
8. VERTICAL CROSS SHALL BE SEPARATED BY 18" AND IF THIS CANNOT BE ACCOMPLISHED, A CONCRETE CRADLE SHALL BE PROVIDED

UTILITY LEGEND

- PROPOSED STORM SEWER
- PROPOSED STORM INLET
- PROPOSED STORM INLET (NYLOPLAST)
- PROPOSED STORM MANHOLE
- PROPOSED UNDERDRAIN
- RCP REINFORCED CONCRETE PIPE
- PVC POLYVINYL CHLORIDE PIPE
- HDPE HIGH DENSITY POLYETHYLENE PIPE

SEE SURVEY FOR ADDITIONAL LEGEND ITEMS

PROJECT MANAGER: RLW

DRAWN BY: JHL

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OVERALL
SITE UTILITY
PLAN

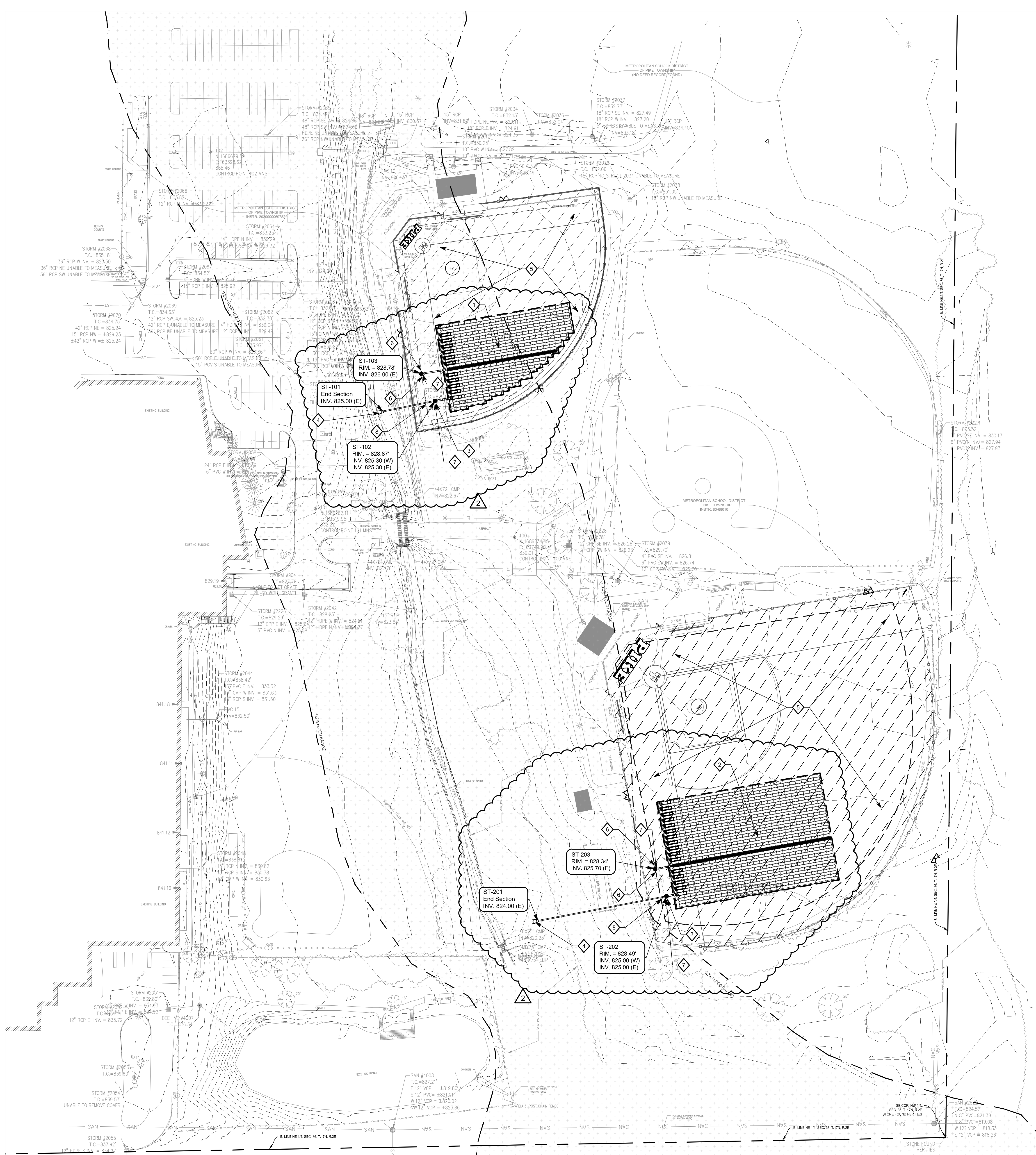
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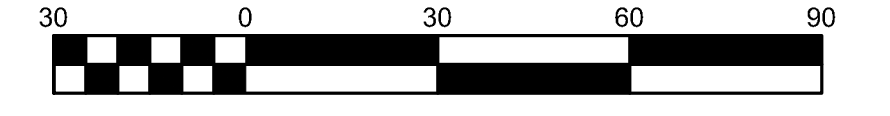
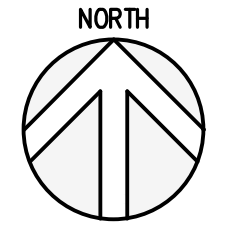
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Drawing Date: 10/20/24 10:30 AM C:\Users\jch\OneDrive\Documents\2024-301_SU5.0 - UP.dwg
 Plotted By: mbeisher Time of Plot: 10/23/24 - 2:29pm Last Edited: 10/23/24 - 2:20pm

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7. NO FLOODWAY LIMITS ARE LOCATED WITHIN THE PROJECT LIMITS. AREAS OF PROJECT LIE WITHIN ZONE X REDUCED RISK DUE TO LEVEL.
8. THE BASE FLOOD ELEVATION TAKEN FROM FEMA FIRM MAPS INDICATES THE BASE FLOOD ELEVATION TO BE 820.50'.
9. ALL STORMWATER INLETS AND CATCH BASINS SHALL HAVE THE WORDS 'NO DUMPING, DRAINS TO STREAM' OR SIMILARLY APPROVED MESSAGE, CAST IN RAISED OR RECESSED LETTERS AT A MINIMUM OF ONE (1) INCH IN HEIGHT. IN ADDITION, A SYMBOL OF A FISH SHALL BE CAST WITH THE LETTERS. STORM SEWER MANHOLE COVERS SHALL HAVE THE WORDS 'STORM SEWER' CAST IN RECESSED LETTER TWO (2) INCHES IN HEIGHT.

UTILITY KEYNOTES

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4. PROPOSED END SECTION, REFER TO DETAILS ON SHEET SUB.0-SUB.01
5. PROPOSED FIELD SECTION WITH UNDERDRAIN SYSTEM, REFER TO DETAILS
6. CONNECT UNDERDRAIN HEADERS TO PROPOSED STRUCTURE
7. STRUCTURE SHALL BE COVERED BY GROUND UTILITY BOX FOR MAINTENANCE, AND SHALL BE TURF COVERED. REFER TO PROPOSED SPECIFICATIONS AND PROPOSED LANDSCAPE DRAWINGS.
8. VERTICAL CROSS SHALL BE SEPARATED BY 18", AND IF THIS CANNOT BE ACCOMPLISHED, A CONCRETE CRADLE SHALL BE PROVIDED

UTILITY LEGEND

- PROPOSED STORM SEWER
 - PROPOSED STORM INLET
 - PROPOSED STORM INLET (NYLOPLAST)
 - PROPOSED STORM MANHOLE
 - PROPOSED UNDERDRAIN
 - REINFORCED CONCRETE PIPE
 - POLYVINYL CHLORIDE PIPE
 - HDPE HIGH DENSITY POLYETHYLENE PIPE
- SEE SURVEY FOR ADDITIONAL LEGEND ITEMS

ARCHITECT

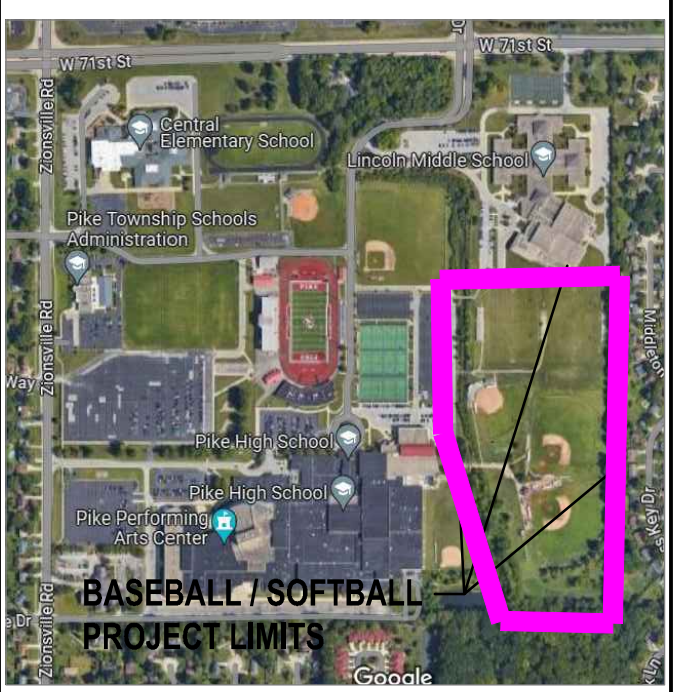


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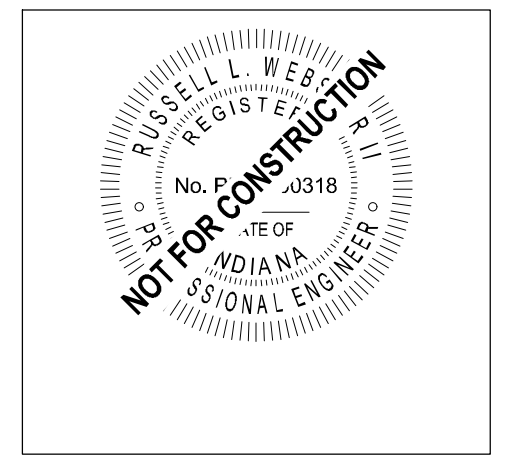
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KEY PLAN

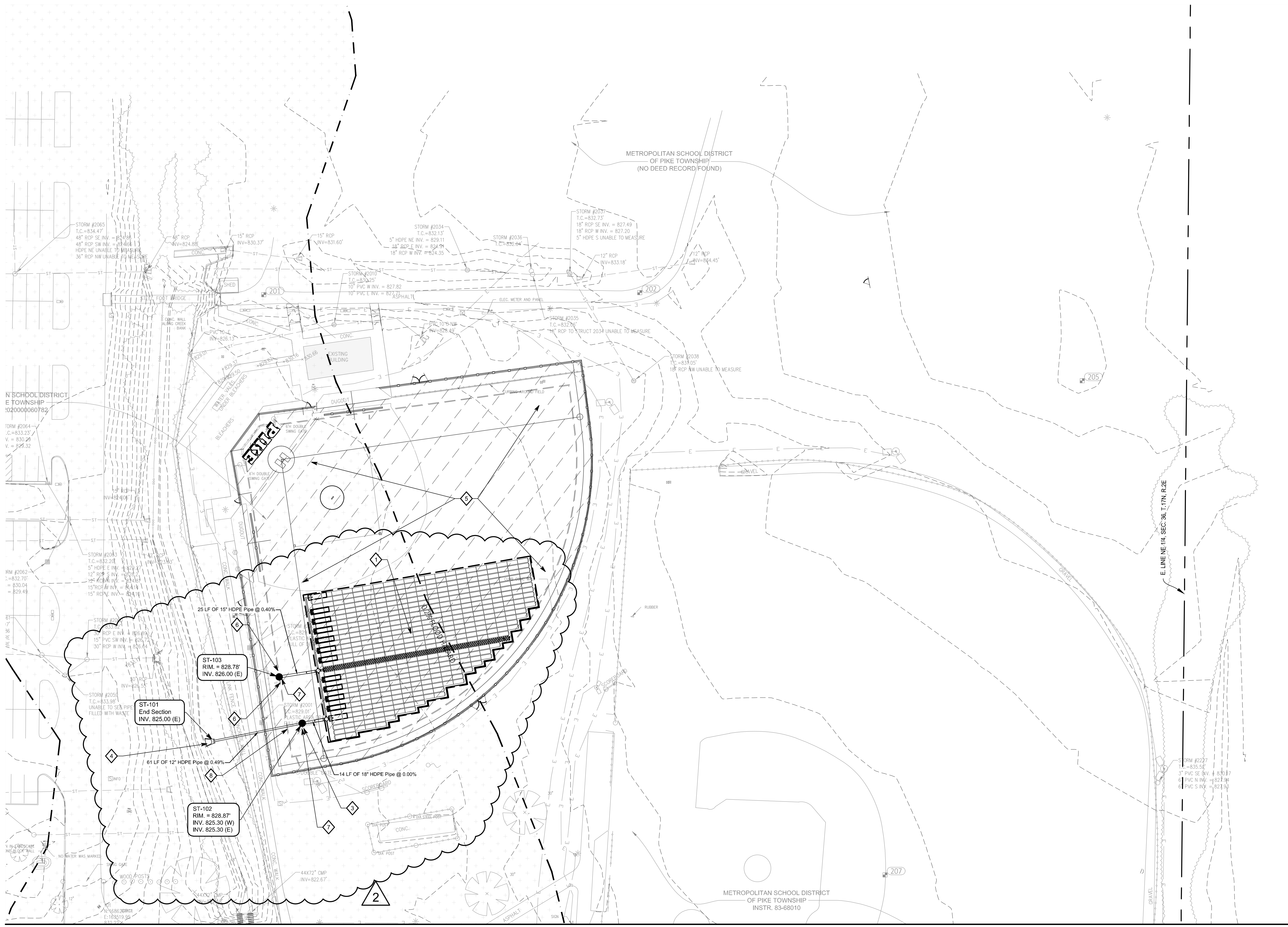


PROJECT MANAGER: RLW
DRAWN BY: JHL
PROJECT NUMBER: 2024-301
PROJECT ISSUE DATE: 10/03/2024

REV. NO.	DESCRIPTION	DATE
1	PLANS ISSUED FOR BID	10/03/2024
2	ADDENDUM 2	10/24/2024

SITE UTILITY PLAN

SU5.1



MATCH LINE - SEE SHEET G5.2

STORM STRUCTURE TABLE												
STR. NO.	STRUCTURE	CASTING TYPE	RIM	INCOMING PIPE DATA (DIRECTION) (FROM STR)	OUTGOING PIPE DATA (DIRECTION) (TO STR)	OUTGOING PIPE L.F.	OUTGOING PIPE SIZE	OUTGOING GRADE	CONNECT TO STR.	DETAIL	NORTHING	EASTING
101	End Section	N/A		12" HDPE Pipe 825.00 (E) [102]						A/G6.1	1686379.65	163597.86
102	Type "C" Manhole	R-1772	828.87	18" HDPE Pipe 825.30 (E) [I]	12" HDPE Pipe 825.30 (W) [101]	61'	12"	0.49%	101	C/G6.0	1686391.81	163658.11
103	24" Nyloplast Inlet	2499CGC	828.78		15" HDPE Pipe 826.00 (E) [I]	25'	16"	0.40%		C/G6.0	1686423.31	163642.43
201	End Section	N/A		12" HDPE Pipe 824.00 (E) [202]						A/G6.1	1686790.83	163777.07
202	Type "C" Manhole	R-1772	828.49	18" HDPE Pipe 825.00 (E) [I]	12" HDPE Pipe 825.00 (W) [201]	151'	12"	0.66%	201	C/G6.0	1686819.23	163925.73
203	24" Nyloplast Inlet	2499CGC	828.34		15" HDPE Pipe 825.70 (E) [I]	15'	16"	0.68%		C/G6.0	1686850.74	163912.56

STORM STRUCTURE TABLE NOTES:
 1. PIPE LENGTHS SHOWN IN THE TABLE ARE TO CENTER STRUCTURE.
 2. CASTINGS AND FRAMES SHOWN IN TABLE REFER TO NEENAH FOUNDRY MODELS MAY BE SUBSTITUTED WITH AN APPROVED EQUIVALENT CASTING ONLY WITH ENGINEER APPROVAL.



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PIKE HIGH SCHOOL
BASEBALL/SOFTBALL
RENOVATIONS**
5401 W. 71ST STREET
INDIANAPOLIS, IN. 46268

MATCH LINE - SEE SHEET G5.1



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2. SEE TOPOGRAPHIC SURVEY SHEETS 1-4 FOR BENCHMARK AND CONTROL POINT INFORMATION.
3. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE PROJECT AREA INCLUDING UNDERGROUND UTILITY CONDITIONS. LOCATION AND DEPTH PRIOR TO ANY OTHER SITE CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER.
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- POLYVINYL CHLORIDE PIPE
- HIGH DENSITY POLYETHYLENE PIPE

SEE SURVEY FOR ADDITIONAL LEGEND ITEMS

ARCHITECT

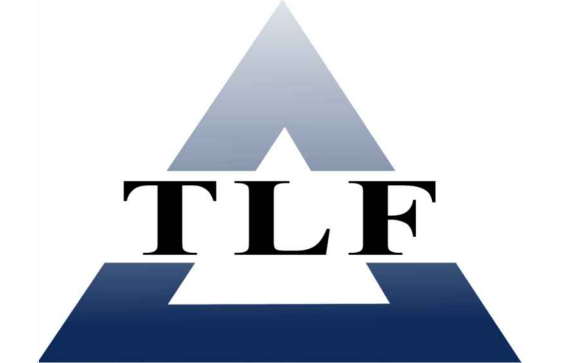


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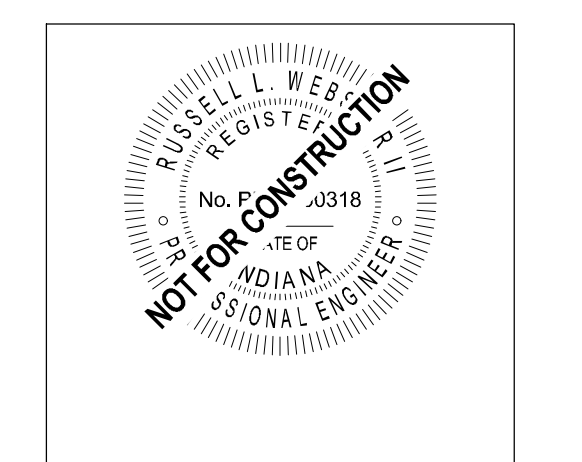
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KEY PLAN



PROJECT MANAGER: RLW

DRAWN BY: JHL

PROJECT NUMBER: 2024-301

PROJECT ISSUE DATE: 10/03/2024

REV. NO.	DESCRIPTION	DATE
2	PLANS ISSUED FOR BID	10/03/2024
	ADDENDUM 2	10/24/2024

SITE UTILITY PLAN

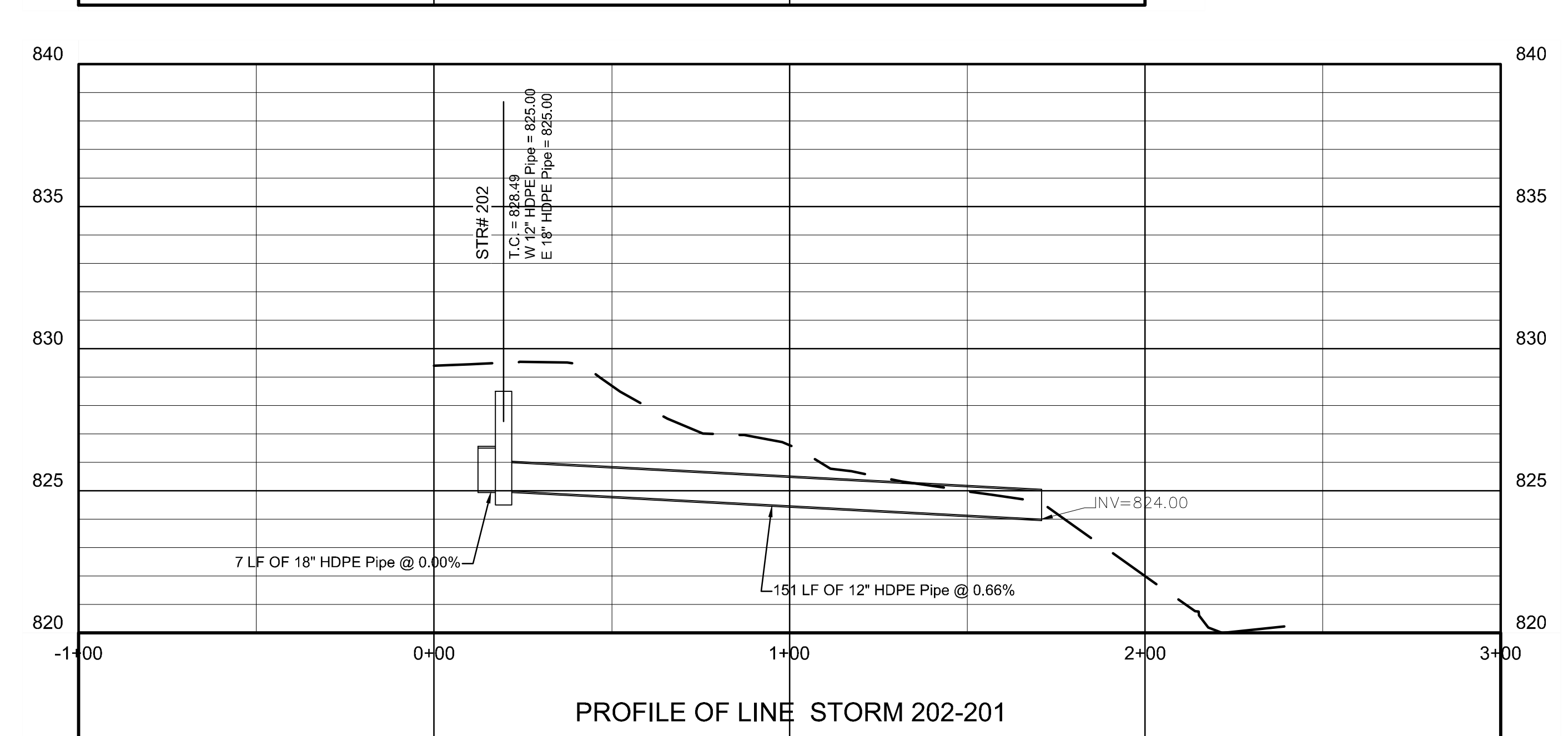
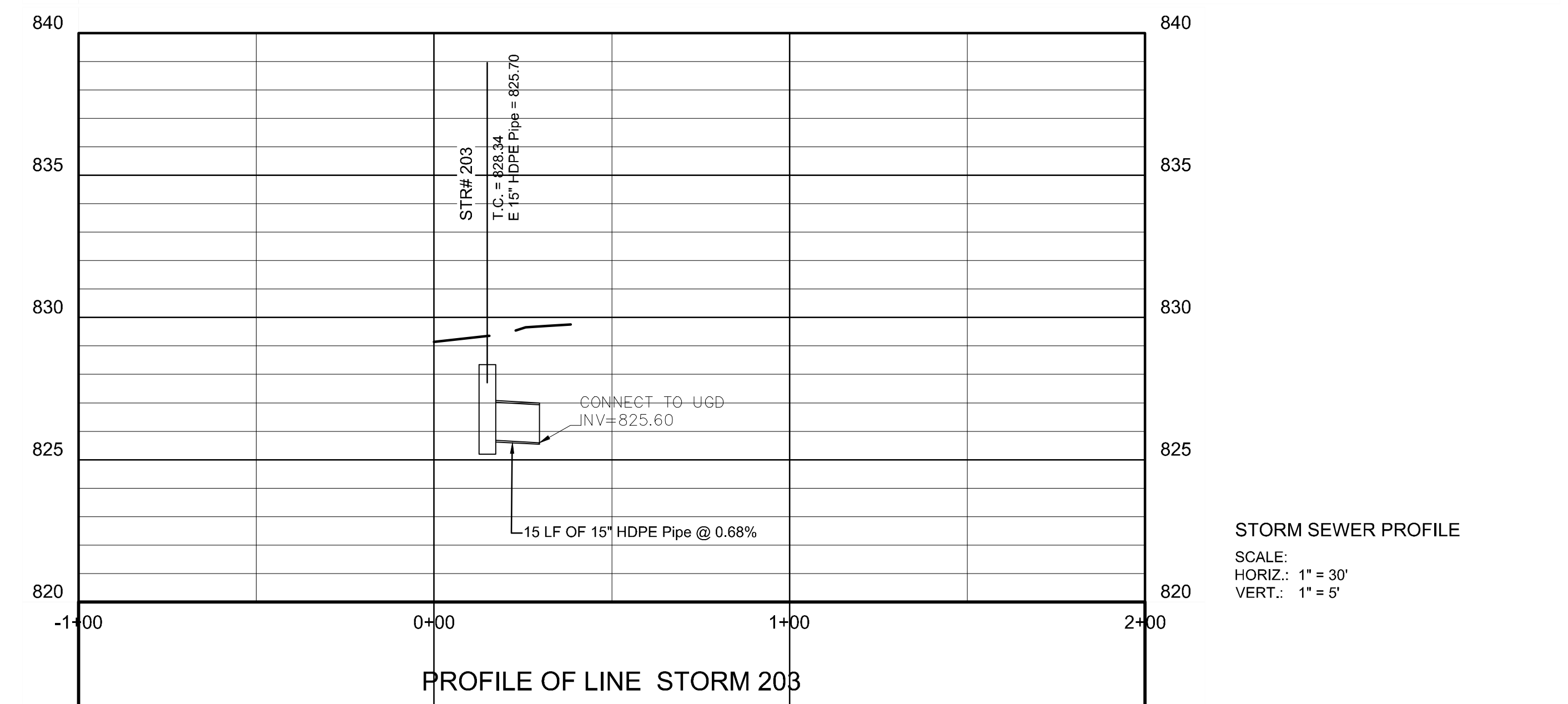
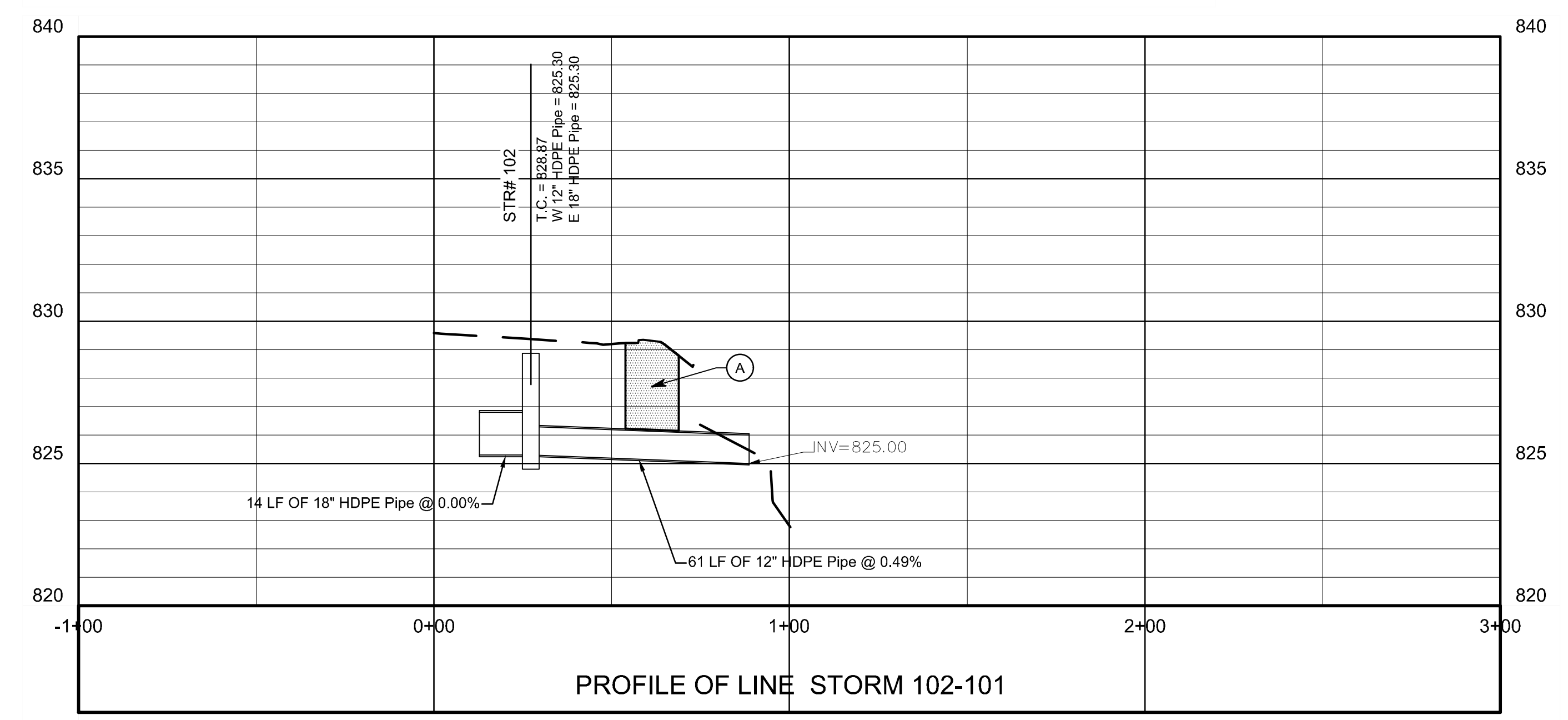
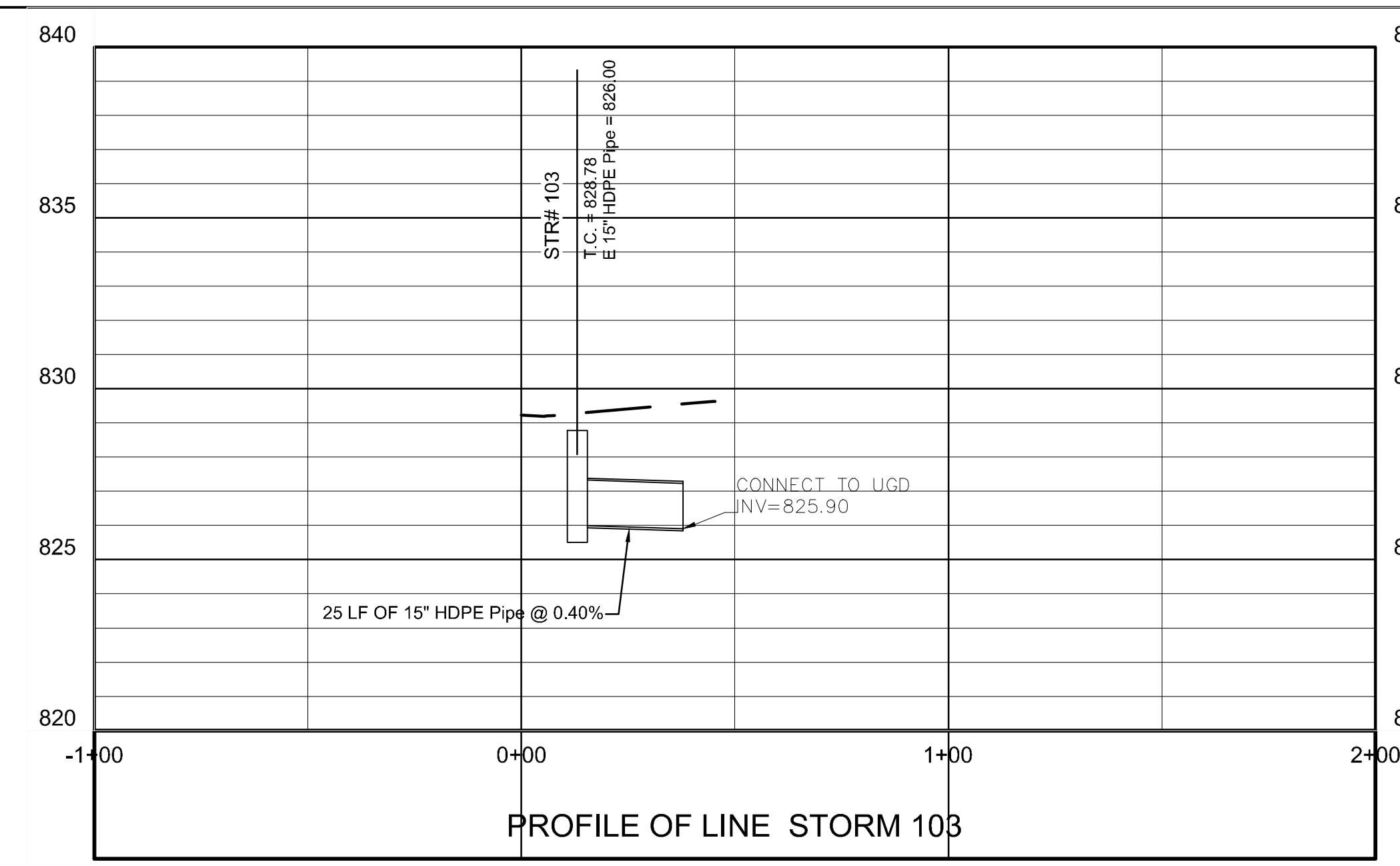
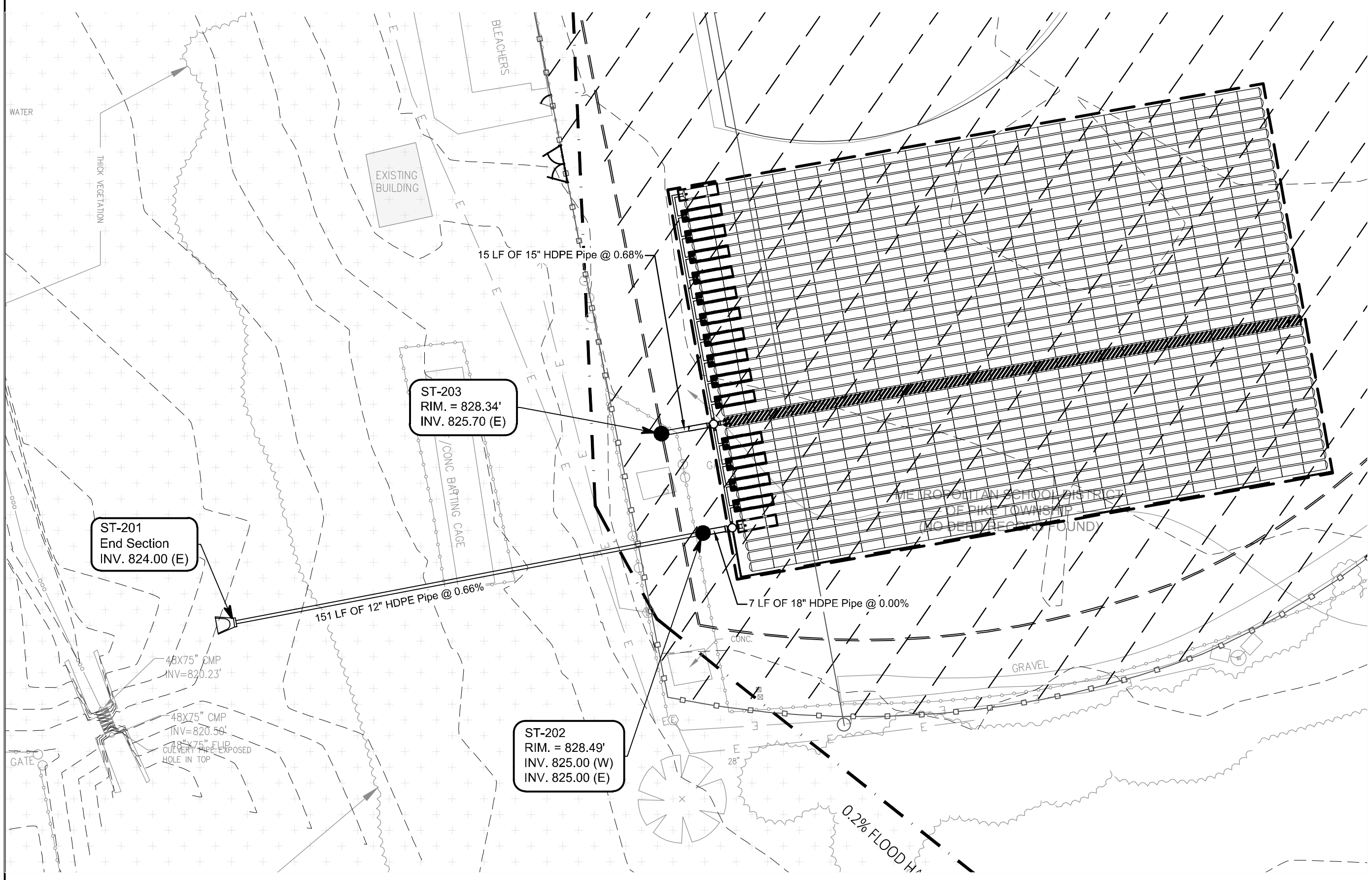
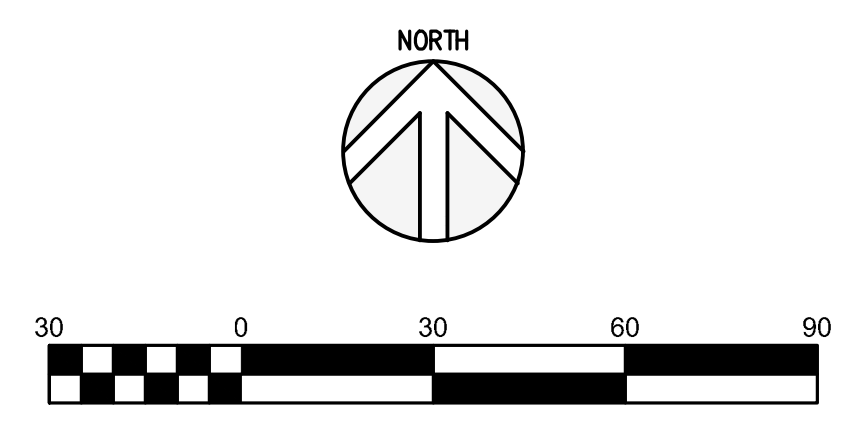
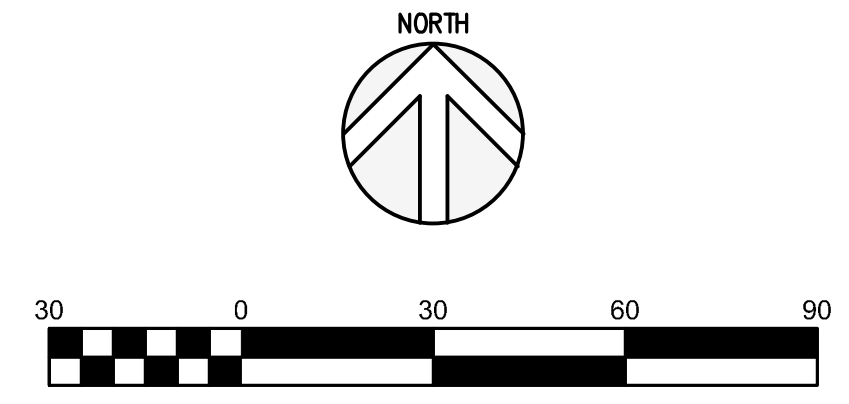
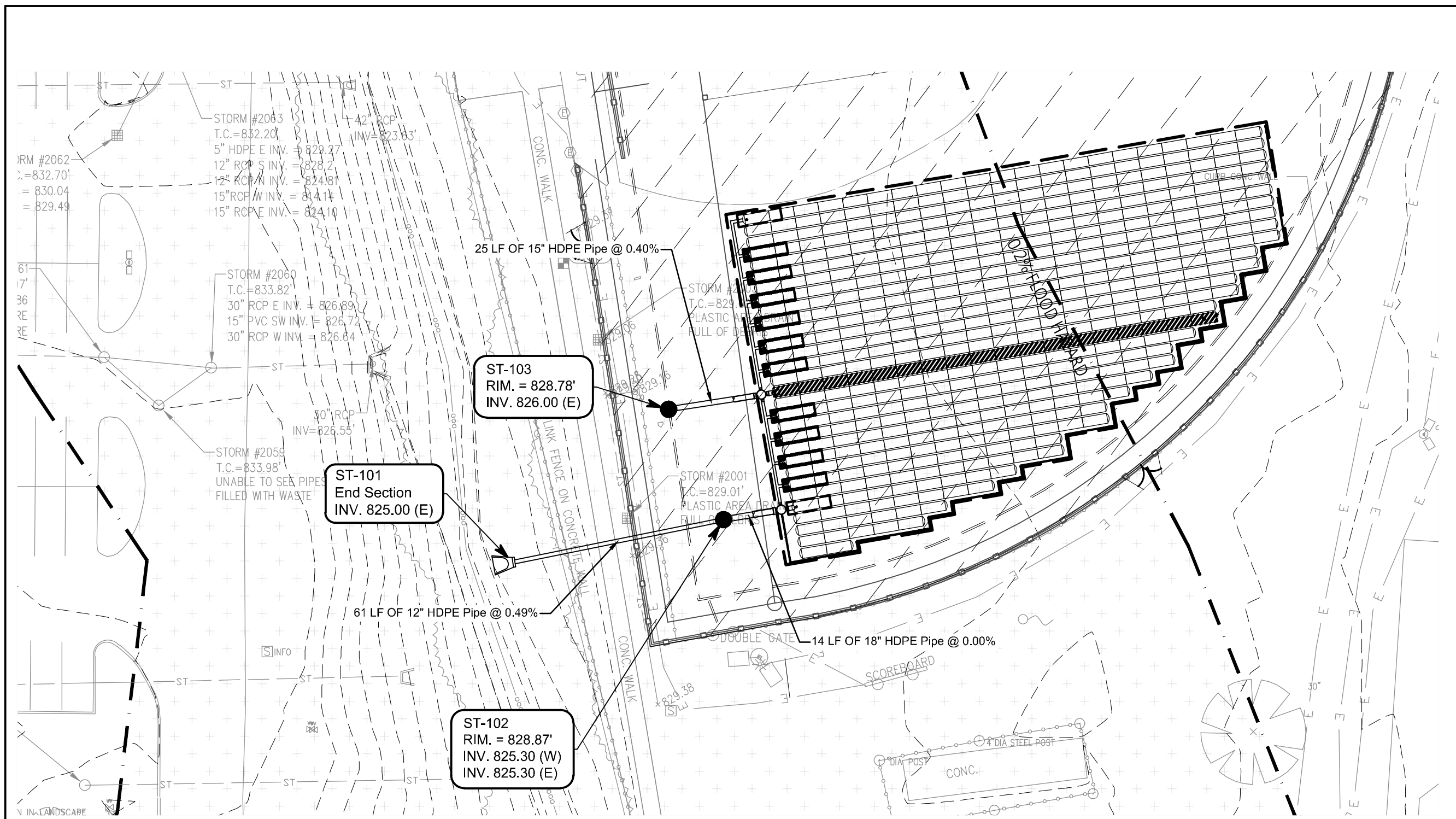
SU5.2



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STORM SEWER PROFILE
SCALE:
HORIZ: 1" = 30'
VERT: 1" = 5'

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STORM PROFILE KEYNOTES

- A GRANULAR BACKFILL REQUIRED. REFER TO STORM SEWER TRENCH DETAILS ON SHEET G6.0

APPROXIMATE LIMITS OF GRANULAR BACKFILL

UTILITY LEGEND

- PROPOSED STORM SEWER
 - PROPOSED STORM INLET
 - PROPOSED STORM INLET (NYLOPLAST)
 - PROPOSED STORM MANHOLE
 - PROPOSED UNDERDRAIN
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PIKE HIGH SCHOOL
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RENOVATIONS**
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INDIANAPOLIS, IN. 46268

ARCHITECT

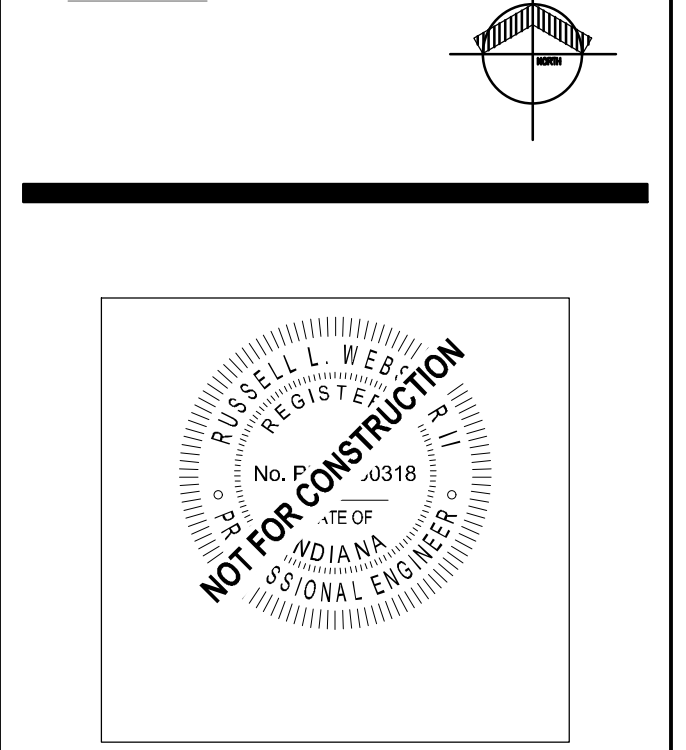
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PROJECT MANAGER: RLW
DRAWN BY: JHL
PROJECT NUMBER: 2024-301
PROJECT ISSUE DATE: 10/23/24

REV. NO.	DESCRIPTION	DATE
2	PLANS ISSUED FOR BID ADDENDUM 2	10/24/2024

STORM SEWER PLAN AND PROFILES

SU5.3

Drawing Path: P:\2024\301\301A\CD\A\CD\A\2024-301_55.0 - 05.0 - 1P.dwg
 Plotted By: mbeisher Time of Plot: 10/23/24 - 2:29pm Last Edited: 10/23/24 - 2:20pm

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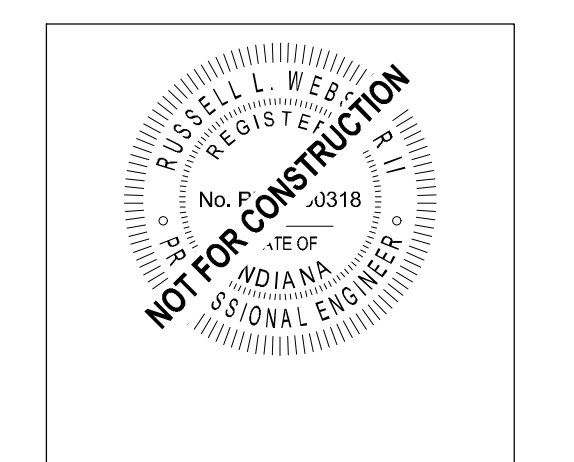
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BASEBALL / SOFTBALL
PROJECT LIMITS

KEY PLAN

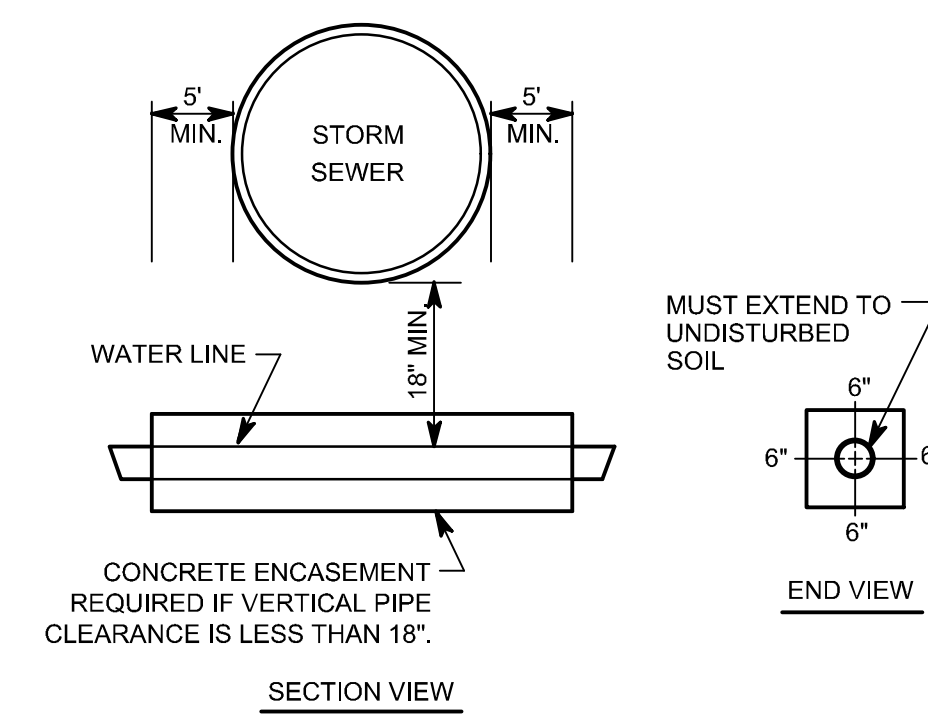


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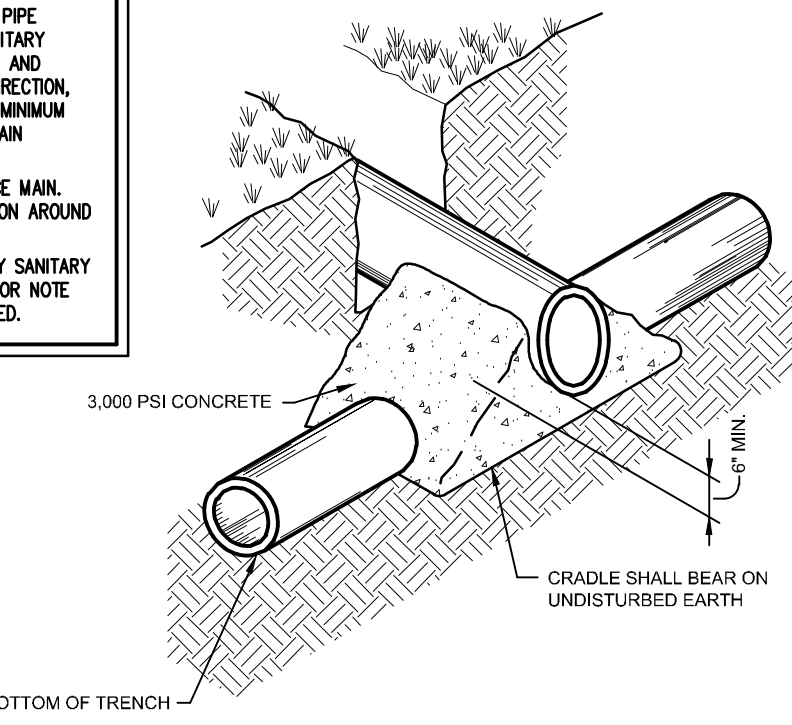
SITE UTILITY
DETAILS

SU6.0

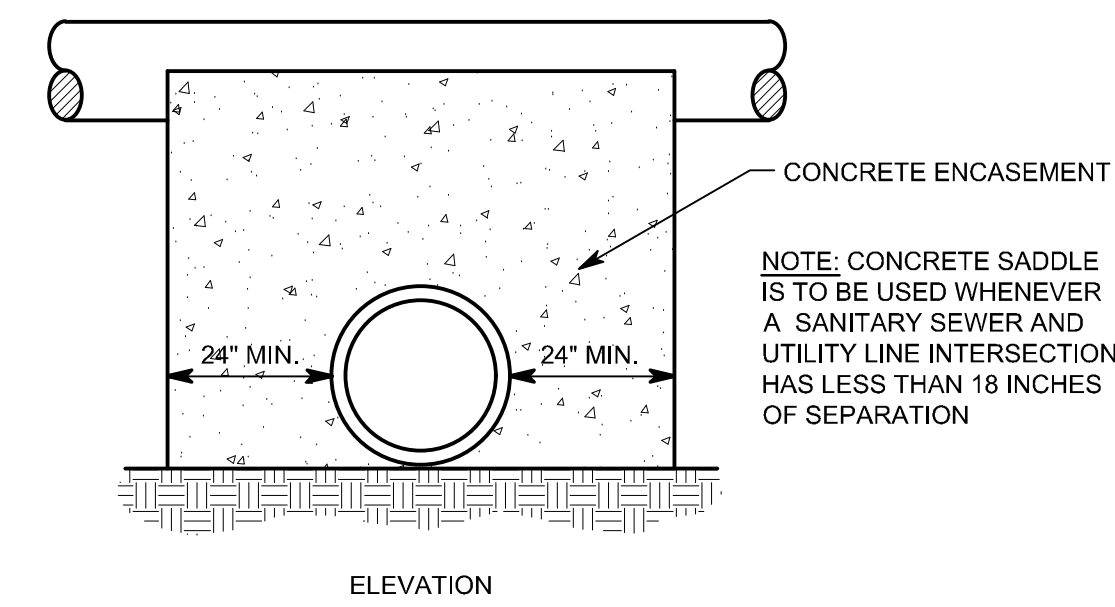
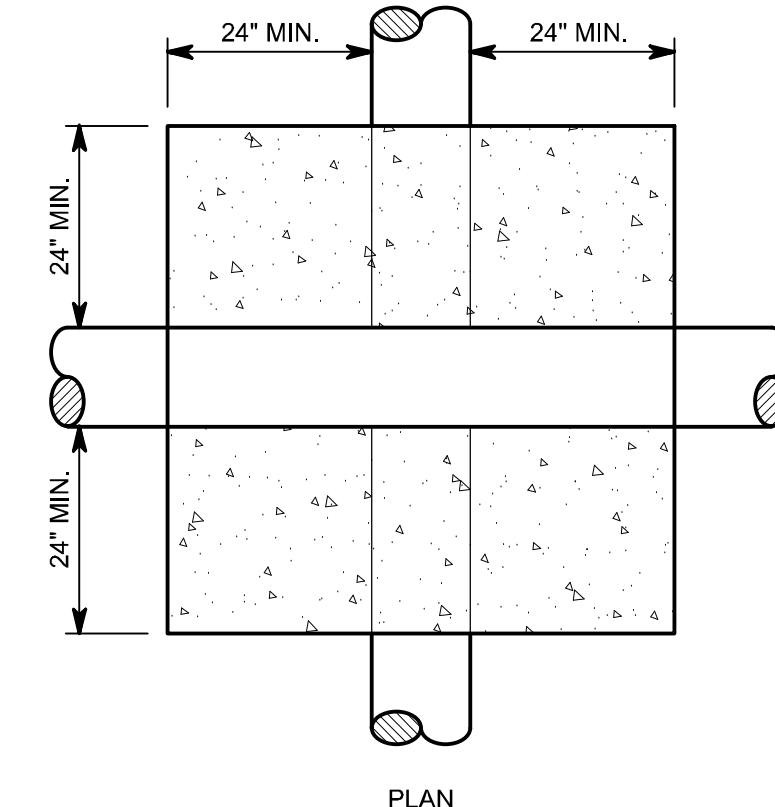


**STORM SEWER /
WATER LINE CROSSING - DETAIL H**
NO SCALE

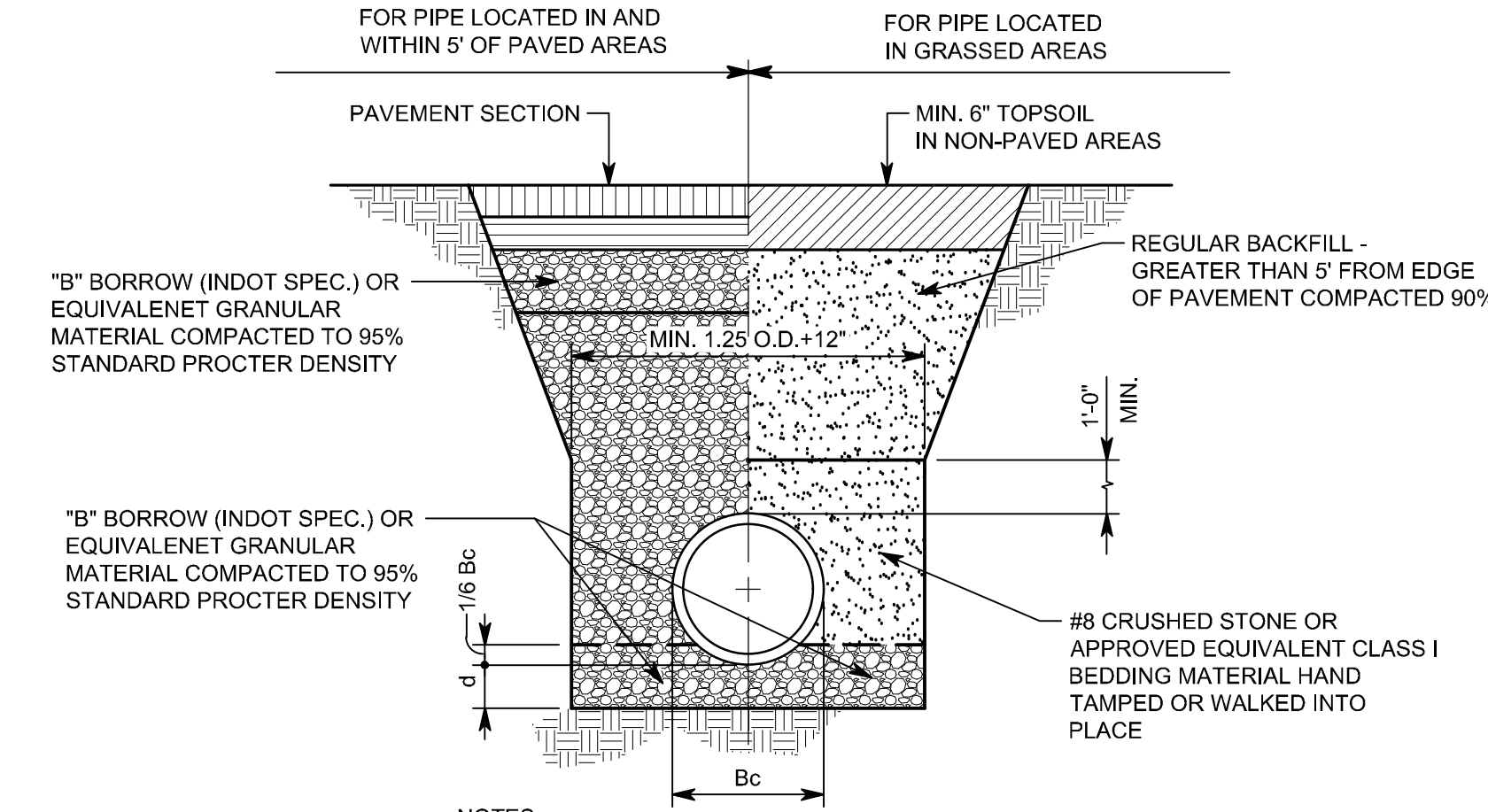
NOTE:
TO BE USED WHEN CLEAR DISTANCE (FROM EXTERIOR PIPE DIAMETER TO EXTERIOR PIPE DIAMETER) BETWEEN SANITARY SEWER PIPING (DUALS, LATERALS, FORCE MAINS, ETC.) AND ALL OTHER PIPES IS 18" OR LESS, PER ENGINEER'S DESIGN, OR WHERE NOTES ON THE CONSTRUCTION PLANS, A MINIMUM CLEAR DISTANCE OF 3" MUST BE PROVIDED TO MAINTAIN STRUCTURAL INTEGRITY OF THE CONCRETE.
CONCRETE MUST NOT COME INTO CONTACT WITH FORCE MAIN. AT LEAST 3" OF SAND MUST BE PLACED AS A CUSHION AROUND THE FORCE MAIN.
IF THE CONTACT IS BETWEEN A WATER MAIN AND ANY SANITARY SEWER PIPING, 18" CLEARANCE MUST BE MAINTAINED OR NOTE ABOVE APPLIES AND ONLY GRANULAR FILL MAY BE USED.



CONCRETE CRADLE DETAIL



**CONCRETE CRADLE BETWEEN SANITARY
SEWER AND UTILITY PIPES - DETAIL J**
NO SCALE

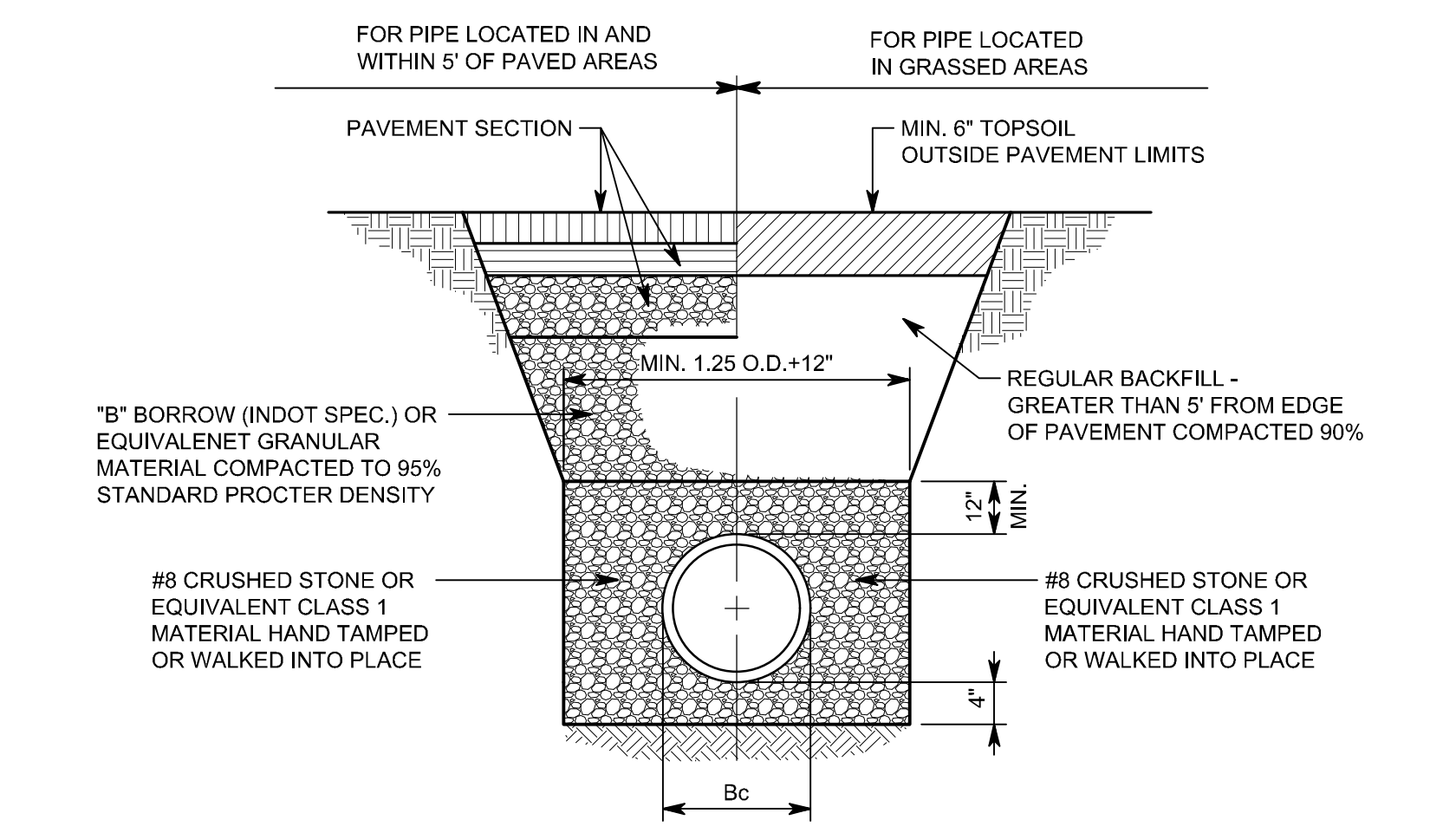


- NOTES:**
1. ALL BEDDING & INITIAL BACKFILL SHALL BE INSTALLED IN 6" TO 12" BALANCED LIFTS.
 2. A MIN. 9" CLEARANCE EACH SIDE OR PIPE FOR 42" DIA. AND LESS.

DEPTH OF BEDDING MATERIAL BELOW PIPE	
D	(d) MIN.
27" & SMALLER	3"
30" TO 60"	4"
66" & LARGER	6"

LEGEND	
Bc	= OUTSIDE DIAMETER
D	= INSIDE DIAMETER
d	= DEPTH OF BEDDING MATERIAL BELOW PIPE

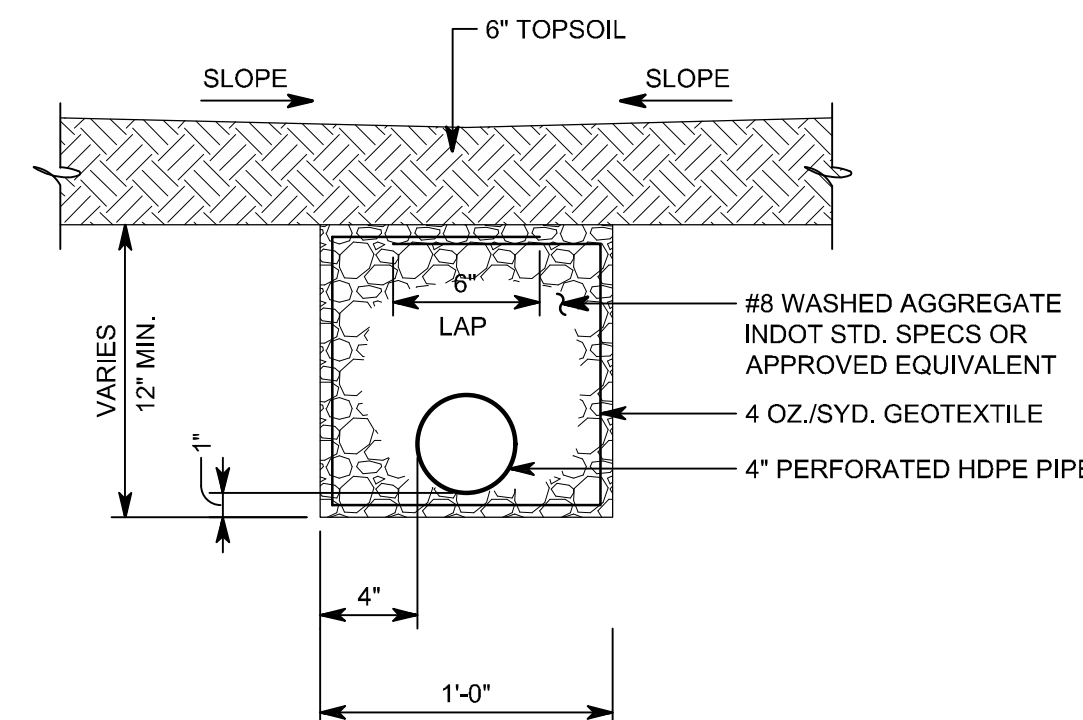
R.C. PIPE TRENCH BEDDING - DETAIL D
3/4" = 1'-0"



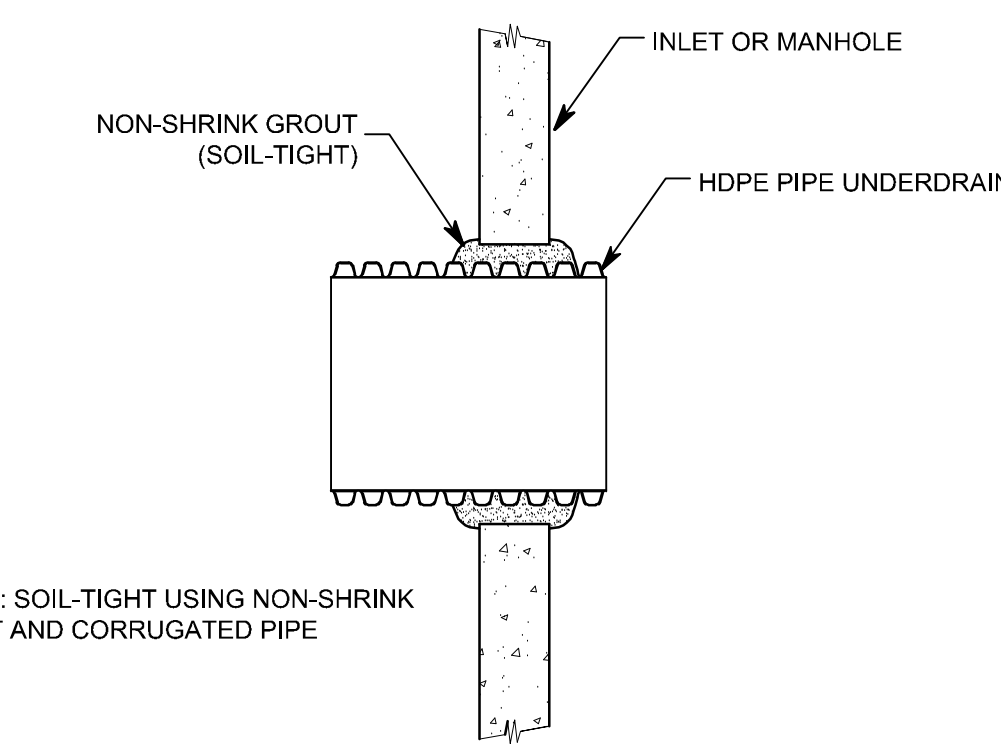
- NOTES:**
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LEGEND	
Bc	= OUTSIDE DIAMETER
D	= INSIDE DIAMETER
d	= DEPTH OF BEDDING MATERIAL BELOW PIPE

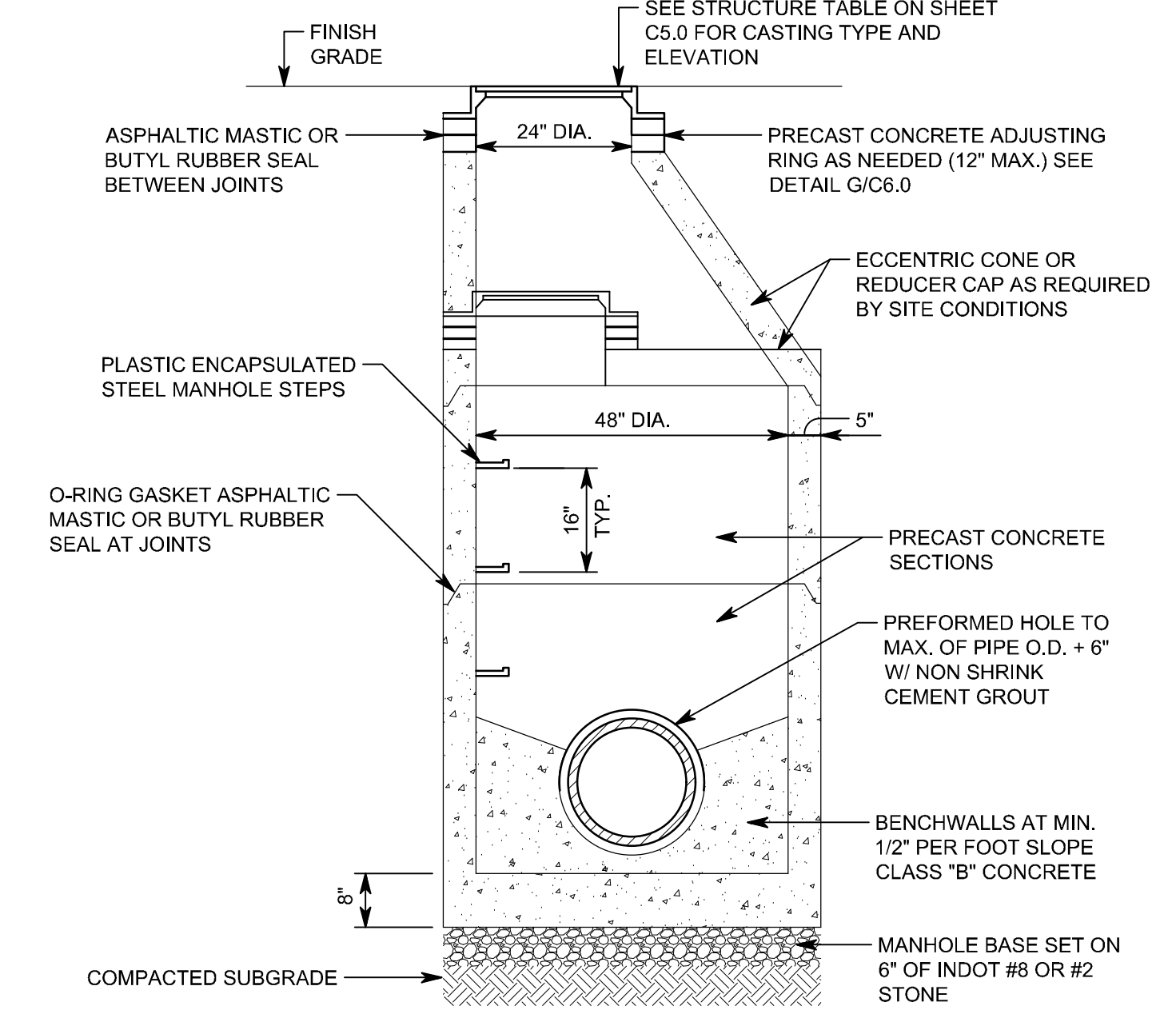
STORM SEWER (PVC & HDPE) TRENCH BEDDING - DETAIL E
NO SCALE



UNDERDRAIN - DETAIL F
1 1/2" = 1'-0"

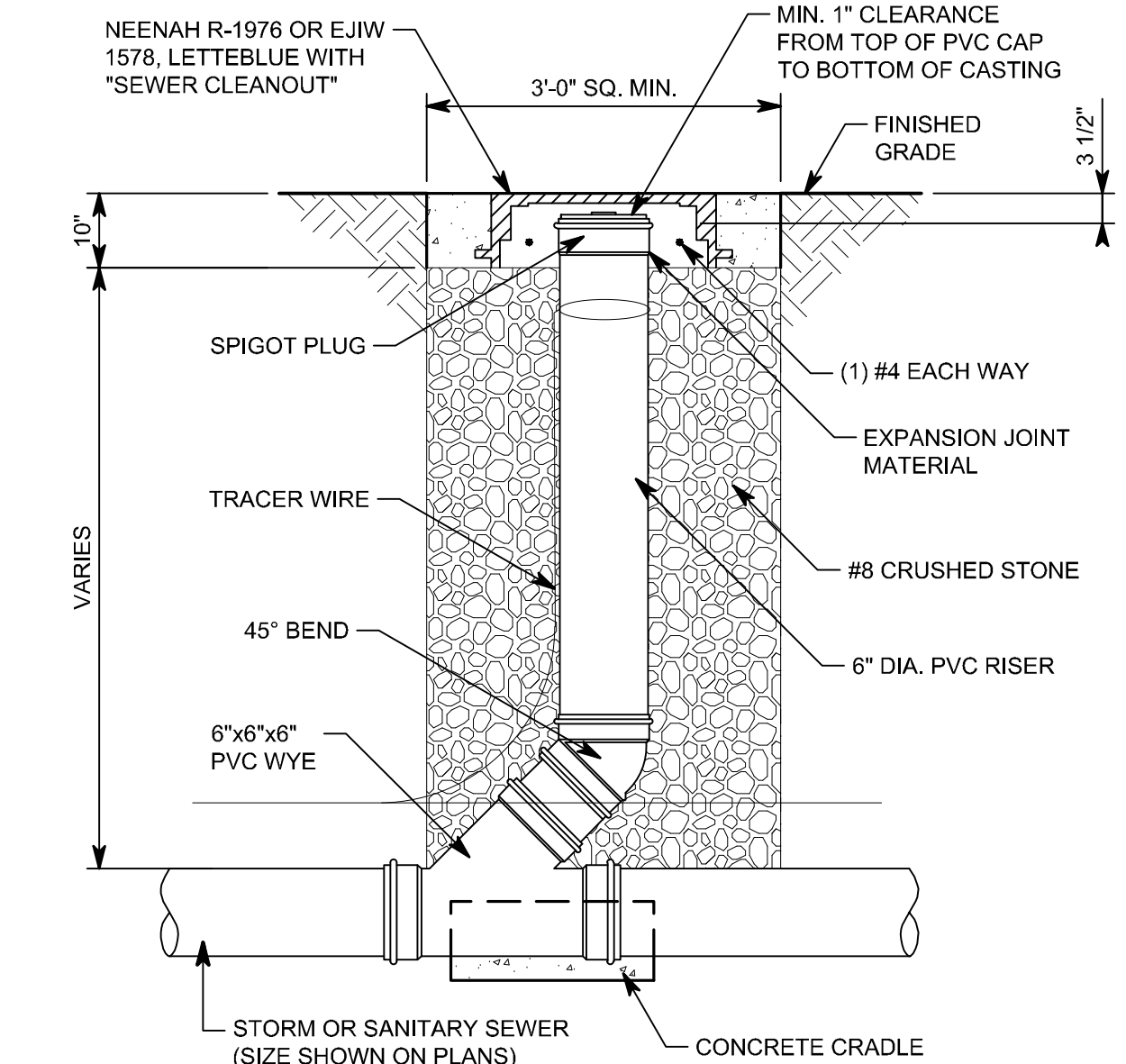


PIPE CONNECTION - DETAIL G
NO SCALE



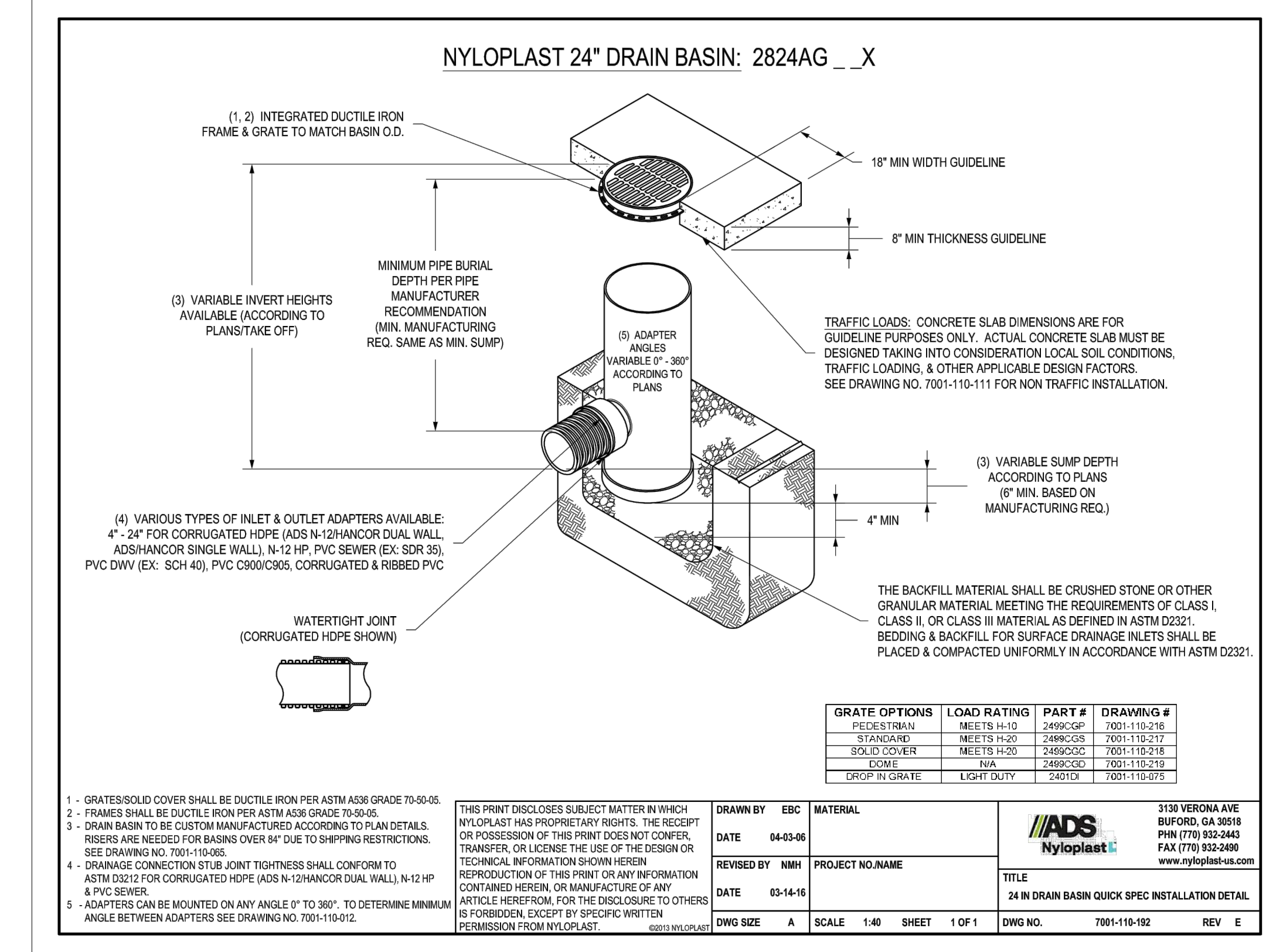
- NOTES:**
1. ALL STORM STRUCTURES SHALL CONFORM TO THE CITY OF INDIANAPOLIS STORMWATER DESIGN AND CONSTRUCTION SPECIFICATIONS MANUAL, LATEST EDITION.
 2. MANHOLE CONFORMS TO ASTM C478 JOINTS CONFORM TO ASTM C443 ALL STORM SEWER CASTINGS (OPEN LIDS AND SOLID LIDS) SHALL HAVE AN ENVIRONMENTAL LOGO "DUMP NO WASTE. DRAINS TO WATERWAYS" CAST IN RAISED LETTERS AT A MINIMUM OF 1" IN HEIGHT. A SYMBOL OF A FISH SHALL ALSO BE CAST WITH THE LETTERS. NO "ADD-ON" PLATES OR STICKERS (DECALS) WILL BE PERMITTED.
 3. BENCH WALLS SHALL FORM A DEFINED CHANNEL TO A MINIMUM HEIGHT OF EIGHTY PERCENT (80%) OF THE INSIDE DIAMETER OF THE INLET AND OUTLET PIPES TO FORM A "U" SHAPED CHANNEL, CONSTRUCTED AT A MINIMUM ONE HALF (1/2) INCH PER FOOT SLOPE TO THE MANHOLE WALL.
 4. PRECAST CONCRETE STORM SEWER MANHOLE STRUCTURES SHALL CONFORM TO SECTION 404.02 OF THE STORMWATER DESIGN AND CONSTRUCTION SPECIFICATIONS MANUAL, LATEST EDITION.

STORM MANHOLE 4' - DETAIL A
1/2" = 1'-0"



- NOTE:**
1. FOR USE IN PAVED AREAS.
 2. CONCRETE APRON AND CASTING SHALL BE INSTALLED SO THAT THEY DO NOT CONTACT THE CLEANOUT RISER PIPE OR CAP.

EXTERIOR CLEANOUT - DETAIL B
NO SCALE



GRATE OPTIONS	LOAD RATINGS	PART #	DRAWING #
REINFORCED	MEET TO SPEC	2400-001	2011-10-17
STAINLESS	MEET TO SPEC	2400-005	2011-10-17
BLACK COULDER	MEET TO SPEC	2400-006	2011-10-17
WOOD	MEET TO SPEC	2400-007	2011-10-17
GRASS PLASTIC	MEET TO SPEC	2400-008	2011-10-17

1. GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A818 GRADE 70-90-02.
2. FRAMES SHALL BE DUCTILE IRON PER ASTM A818 GRADE 70-90-02.
3. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO DETAILS. RISERS ARE NEEDED FOR BASINS OVER 8\"/>

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DATE: 03-14-16
SCALE: 1/8\"/>

NYLOPLAST DRAIN BASIN - DETAIL C
NO SCALE

