

ADDENDUM NO. 2

May 3, 2024

Whiteland Community High School Phase 2A
300 E. Main Street
Whiteland, IN 46184

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 April 2, 2024, by Lancer Associates Architecture. 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 Pages ADD 2-1 and Lancer Associates Architecture Addendum No. 2, dated May 2, 2024, consisting of 31 Pages, and drawings 203, 210, 211, 300, 400, 402, 403, 502, 503, 600, 601, 602, 603, 801, 802, 803, 806, 903, 1000, 1002, L101, L201, ES102, ES201, ES202, and ES203.

A. SPECIFICATION SECTION 00 20 00 – INFORMATION AVAILABLE TO BIDDERS

Add the following Paragraph.

G. ADS StormTech Chambers and Aqua-Swirls units, as shown on the plans, shall be included in the base bid. Alternate manufacturers can be submitted as a voluntary alternate.

ADDENDUM NO. TWO

PROJECT: Whiteland Community High School Phase 2a

PROJECT NUMBER: 22130

DATE OF ADDENDUM: May 2, 2024



THIS ADDENDUM FORMS A PART OF THE CONTRACT DOCUMENTS AND IS ISSUED IN ACCORDANCE WITH THE INSTRUCTIONS TO BIDDERS. ACKNOWLEDGE RECEIPT OF THIS ADDENDUM BY SIGNING THE ADDENDUM ACKNOWLEDGMENT SECTION OF THE BID FORM.

QUESTIONS:

Q: The SPEC Section 271323-2 2.1.2.c states the OSP fiber shall be Loose Tube and Plenum rated. Drawing T300, detail drawing #1, note #5 states the fiber shall be armored. They do not make a loose tube, armored, Plenum rated fiber. Can be loose tube and plenum or tight buffered, armored and plenum. Can you confirm which is acceptable?

A: Sheet T300 detail #1 note #5 was a holdover from interior fiber, it will not apply to outdoor fiber.

Spec section 27 13 23 part 2.1.2.c should have read as follows:

The Single Mode, Fiber Optic cable shall be **OFNG** rated, loose tube and installed in underground ducts.

Q: If the alternate for the two (2) additional tennis courts is not taken, what is the scope for that area?

A: Area to be graded flat. Provide topsoil and seeding for all disturbed area per Project Documents.

DRAWINGS:

1 Topographical Survey (sheet 203):

- o Revised to include existing inlets north the north football stadium bleachers and existing parking lot.

2 Demolition Plan (sheet 210):

- o Revised to include demolition of existing inlets near revised long jump pit location in the northwest corner of the football stadium.

- o Revised to show existing primary electric service to the football stadium bleachers per Town of Bargersville utility maps and existing fiber optic line.

- o Revised to indicate that the contractor is responsible for relocating the existing transformer and electric service for the football stadium north bleachers.

3 Demolition Plan (sheet 211):

- o Revised to show existing primary electric service to the football stadium bleachers per Town of Bargersville utility maps.

4 Site Dimension Plan (sheet 300):

- o Revised long jump location.

- o Revised to include opening length of A.D.A. parallel curb ramp near the northwest corner of the football field.

5 Utility Plan (sheet 400):

- o Revised domestic water service for future tennis building to include 16" x 4" tapping sleeve, 4" tapping valve, 4" x 3" restrained reducer, and 2" domestic meter and pit.

6 Utility Plan (sheet 402):

- o Revised long jump pit underdrain location per revised layout.

- o Revised to include new electrical transformer and relocated primary and secondary electrical service to the football field stadium.
- o Revised Storm Sewer Structure Table as follows:
 - Str. No. 85 – reduced pipe size to 12” HDPE and revised invert elevation as shown.
 - Str. No. 86 – revised invert elevations as shown.
 - Str. No. 88 – increased pipe size to 18” HDPE and revised invert elevations as shown.
 - Str. No. 97 – increased pipe size to 15” HDPE and revised invert elevations as shown.
 - Str. No. 98 – revised invert elevations and pipe slopes as shown.
- o Revised Existing Storm Sewer Structure Table to include Str. No. 128.

7 Utility Plan (sheet 403):

- o Revised Storm Sewer Structure Table as follows:
Str. No. 121 – revised invert elevations and slope of 24” HDPE pipe connecting Str. No. 121 and 123 as shown.
Str. No. 123 – revised invert elevations and slope of 24” HDPE pipe connecting Str. No. 121 and 123 as shown.

8 Grading Plan (sheet 502):

- o Revised grading per revised long jump location.

9 Curb Ramp Grading Details (sheet 503):

- o Minor revisions to the sidewalk grades shown.

10 Drainage Plan (sheet 600):

- o Revised the dry detention basin 10-yr and 100-yr water surface elevations to match the revised stormwater calculations.
- o Minor revisions to elevations shown on the outlet control structure detail for Str. No. 81.

11 Drainage Plan (sheet 601):

- o Revised emergency spillway spot elevations in plan view to match detail.
- o Revised the underground detention and dry detention basin 10-yr and 100-yr water surface elevations to match the revised stormwater calculations.
- o Minor revisions to elevations shown on the outlet control structure detail for Str. No. 102.
- o Revised the sharp crested weir detail to match the revised stormwater calculations.

12 Drainage Plan (sheet 602):

- o Revised to include a sharp crested weir detail for Str. No. 118.

13 Drainage Plan (sheet 603):

- o Revised the underground detention basin 10-yr and 100-yr water surface elevations to match the revised stormwater calculations.
- o Minor revisions to elevations shown on the outlet control structure detail for Str. No. 125.
- o Revised the sharp crested weir detail to match the revised stormwater calculations.

- 14 Storm Plan and Profile (sheet 801):**
 - o Str. No. 85 – reduced pipe size to 12” HDPE and revised invert elevation as shown.
 - o Str. No. 86 – revised invert elevations as shown.
- 15 Storm Plan and Profile (sheet 802):**
 - o Str. No. 86 – revised invert elevations as shown.
 - o Str. No. 88 – increased pipe size to 18” HDPE and revised invert elevations as shown.
- 16 Storm Plan and Profile (sheet 803):**
 - o Str. No. 97 – increased pipe size to 15” HDPE and revised invert elevations as shown.
 - o Str. No. 98 – revised invert elevations and pipe slopes as shown.
- 17 Storm Plan and Profile (sheet 806):**
 - o Str. No. 121 – revised invert elevations and slope of 24” HDPE pipe connecting Str. No. 121 and 123 as shown.
 - o Str. No. 123 – revised invert elevations and slope of 24” HDPE pipe connecting Str. No. 121 and 123 as shown.
- 18 Erosion Control Plan (sheet 903):**
 - o Revised mulched seeding hatch, silt fence, and construction limits based on revised long jump pit location.
 - o Revised to include fabric drop inlet protection around Str. No. 128.
- 19 Miscellaneous Details (sheet 1000):**
 - o Revised A.D.A. parallel curb ramp detail (“F”) to include 6” tall integral curb on the backside of the curb ramp.
- 20 Miscellaneous Details (sheet 1002):**
 - o Revised the diversion structure details for Str. No. 121 and 98 to include weir plates. The pipe inverts and slopes were also revised as shown to match the revised Utility Plan.
- 21. Drawing Sheet: L101 SITE MATERIALS PLAN – PHASE 2A**

Location of Long Jump revised.
- 22. Drawing Sheet: L201 SITE LAYOUT PLAN – PHASE 2A**

Layout of Long Jump revised.
- 23. Drawing Sheet ES102**

Drawing Sheet Title: Electrical Site Demolition Plan

 - a) Drawing #1: Relocation of football field transformer.
 - b) Plan notes: Added additional plan notes.
- 24. Drawing Sheet ES201**

Drawing Sheet Title: Electrical Site Plan

 - a) Drawing #1: Noted control circuit to be served from existing panel
 - b) Plan notes: Added additional plan notes.

25. Drawing Sheet ES202

Drawing Sheet Title: Electrical Site Demolition Plan

- a) Drawing #1: Relocation of football field transformer.
- b) Plan notes: Added additional plan notes.

26. Drawing Sheet ES203

Drawing Sheet Title: Electrical Site Demolition Plan

- c) Drawing #1: corrected panel and contactor location of existing circuitry to be utilized.
- d) Plan notes: revised plan notes.

Attachments:

Drawings: 203, 210, 211, 300, 400, 402, 403, 502, 503, 600, 601, 602, 603, 801, 802, 803, 806, 903, 1000, 1002, L101, L201, ES102, ES201, ES202, ES203

End of Addendum 2

BENCHMARK INFORMATION

ORIGINATING BENCHMARK

DESIGNATION - X 13
FID - K40010
STATE/COUNTY - IN/MORGAN
USGS QUAD - MOORESVILLE EAST (1980)
VERT ORDER - FIRST CLASS II

DESCRIBED BY COAST AND GEODETIC SURVEY 1946
1.2 MI N FROM WALKER

IN JOHNSON COUNTY, 1.2 MILES NORTH ALONG STATE HIGHWAY 37 FROM THE INTERSECTION OF STATE HIGHWAY 144 AT WALKER, MORGAN COUNTY, 125 YARDS NORTH OF THE MORGAN-JOHNSON COUNTY LINE, 20 FEET WEST OF THE CENTERLINE OF THE HIGHWAY, IN LINE WITH THE WEST RIGHT-OF-WAY FENCE, 1.5 FEET SOUTH OF A WHITE WOODEN WITNESS POST, AND ABOUT 2 FEET HIGHER THAN THE HIGHWAY. A STANDARD DISK, STAMPED 686.370 X 13 1930 AND SET IN THE TOP OF A CONCRETE POST PROJECTING 7 INCHES ABOVE GROUND.

RECOVERY NOTE BY IN DEPT OF NAT RES 1985
NEW DESC - AT THE INTERSECTION OF NEW STATE ROAD 144 AND OLD STATE ROAD 37, IN THE SOUTHWEST QUARTER OF THE INTERSECTION, WITNESS POST IS ONE RIGHT-OF-WAY FENCE IS ONE, ALL OTHER INFORMATION APPEARS TO BE CORRECT.

ELEVATION = 685.94 (NAVD 88)

TBM #400
RR SPIKE SET IN E FACE OF PP#P21063 LOCATED ±180' N OF "TRACT NORTH DRIVE" ±40' WEST OF "SAINT CHARLES WAY"
ELEV.=805.77

TBM #401
RR SPIKE SET IN E FACE OF PP#P21042 LOCATED ±6' W OF "TRACY ST." ±40' S OF N PARKING LOT ENTRANCE @ "CLARK PLEASANT EMPLOYEE HEALTH & WELLNESS CENTER"
ELEV.=805.07

TBM #402
CUT BOX ON TOP OF CONC PEDESTAL FOR UP ON N EDGE OF CONC. LOCATED @ NE MOST CORNER OF PARKING LOT FOR "99 US-31" "BIG SPLASH CAR WASH"
ELEV.=806.18

TBM #403
SE MOST CORNER OF BOTTOM CONC STEP LOCATED @ SE CORNER OF "STUDIO 31 SALON" "43 N. US-31" ON E FACE OF BUILDING
ELEV.=801.28

TBM #404
NE CORNER OF TOP CONC STEP CONNECTED TO LEAD WALK @ "239 E MAIN ST." LOCATED SE QUAD OF "E MAIN ST." & "TICHENOR LN."
ELEV.=799.80

TBM #405
RR SPIKE SET IN E FACE POWERPOLE, LOCATED ±5' S OF "E MAIN ST." & EXX W OF DRIVE @ "399 E MAIN ST."
ELEV.=790.98

TBM #406
SW CORNER OF CONC PORCH @ "49 CENTER ST."
ELEV.=797.61

TBM #407
RR SPIKE SET IN S FACE OF PP#P227373. LOCATED ±5' E OF "CENTER ST." & ±150' N OF "CLEM ST."
ELEV.=800.07

TBM #408
RR SPIKE SET IN E FACE OF POWER POLE LOCATED @ SW CORNER OF PROPERTY OF "329 CHRISTINA DR."
ELEV.=800.89

50 0 50 100
SCALE: 1" = 50'

EXISTING LEGEND

	POWERPOLE		CONTOURS
	POWERPOLE W/RISE		PROPERTY LINE
	LIGHT POLE		SECTION LINE
	ELECTRIC METER		RIGHT-OF-WAY
	ELECTRIC BOX		EASEMENT
	GUY WIRE		ADJUNCTION LINE
	TRANSFORMER		PAYMENT LINE
	TELEPHONE MANHOLE		PRIVACY FENCE
	TELEPHONE RISER		CHAINLINK FENCE
	FIBER OPTIC BOX		WIRE FENCE
	WATER VALVE		DITCH
	FIRE HYDRANT		GAS LINE
	IRRIGATION VALVE		TELEPHONE LINE
	WATER METER		WATER LINE
	GAS VALVE		FIRE SUPPRESSION LINE
	GAS METER		FIBER OPTIC LINE
	CABLE TV RISER		CABLE TV LINE
	CLEANOUT		ELECTRIC LINE
	SIGN		OVERHEAD UTILITY LINE
	MAILBOX		TREE LINE
	A/C UNIT		SANITARY SEWER
	FLAG POLE		W/MANHOLE
	STORM ROUND INLET		STORM SEWER W/ MANHOLE & END SECTION
	RIGHT-OF-WAY MARKER		BUILDING
	TREE, BUSH & STUMP		CONCRETE
	TEMP. BENCHMARK		GRAVEL
			REMOVAL/DEMOLISH

EXISTING UTILITY SIZE AND MATERIAL INFORMATION SHOWN ON THESE PLANS ARE PER THE BEST GRAPHICAL AND VISIBLE INFORMATION AVAILABLE. CONFLICTS MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL SIZING AND MATERIAL INFORMATION PROVIDED. IF ACTUAL CONDITIONS DIFFER FROM THAT INFORMATION SHOWN ON THE PLANS, THE CONTRACTOR SHALL, PRIOR TO THE INSTALLATION OF ANY PROPOSED INFRASTRUCTURE, NOTIFY THE DESIGN ENGINEER IMMEDIATELY.

PROPERTY BOUNDARY SHOWN IS PRELIMINARY PENDING COMPLETION OF THE ALTA/NPS LAND TITLE SURVEY BEING PREPARED BY G.W. CHARLES, L.S. WITH CROSSROAD ENGINEERS, P.C.



TOPOGRAPHICAL NOTES

- CONTRACTOR SHALL DISPOSE OF ALL MATERIALS IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.
- UTILITIES ARE GRAPHICAL REPRESENTATION PER SURVEY AND MAPPING. CONTRACTOR SHALL FIELD VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE WITH APPLICABLE UTILITY COMPANIES FOR SERVICE DIS-CONNECTIONS AND/OR RELOCATIONS.

FLOODPLAIN INFORMATION

BY GRAPHIC PLOTTING ONLY, THIS TRACT OF LAND DESCRIBED HEREON LIES WITHIN THE UNSHADED PORTION OF ZONE "X" (AREAS OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN), FLOODPLAIN ZONE "X" (AREAS OF 0.2% ANNUAL CHANCE FLOOD), FLOODPLAIN ZONE "AE" (AREA OF 1% ANNUAL CHANCE FLOOD WITH ESTABLISHED BASE FLOOD ELEVATIONS), AND FLOODPLAIN ZONE "A" (AREA OF 1% ANNUAL CHANCE FLOOD WITH ESTABLISHED BASE FLOOD ELEVATIONS). FLOODPLAIN ZONE "AE" AND "A" IS IN A SPECIAL FLOOD HAZARD AREA AS PLOTTED ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP FOR JOHNSON COUNTY, INDIANA, COMMUNITY PANEL NO. 18081C01370, WHICH BEARS AN EFFECTIVE DATE OF 08/02/2007.

UTILITIES

Note: Listed below are the Indiana Underground Plant Protection Services Contacts; Others not listed may exist.

SANITARY SEWER
TOWN OF WHITELAND
SANITATION DEPARTMENT
549 MAIN STREET
WHITELAND, IN 46184
PHONE: (317) 557-2955
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CONTACT: SCOTT JEAN

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EMAIL: JAMES.WOLLEY@BRIGHTSPEED.COM
CONTACT: JAMES WOLLEY

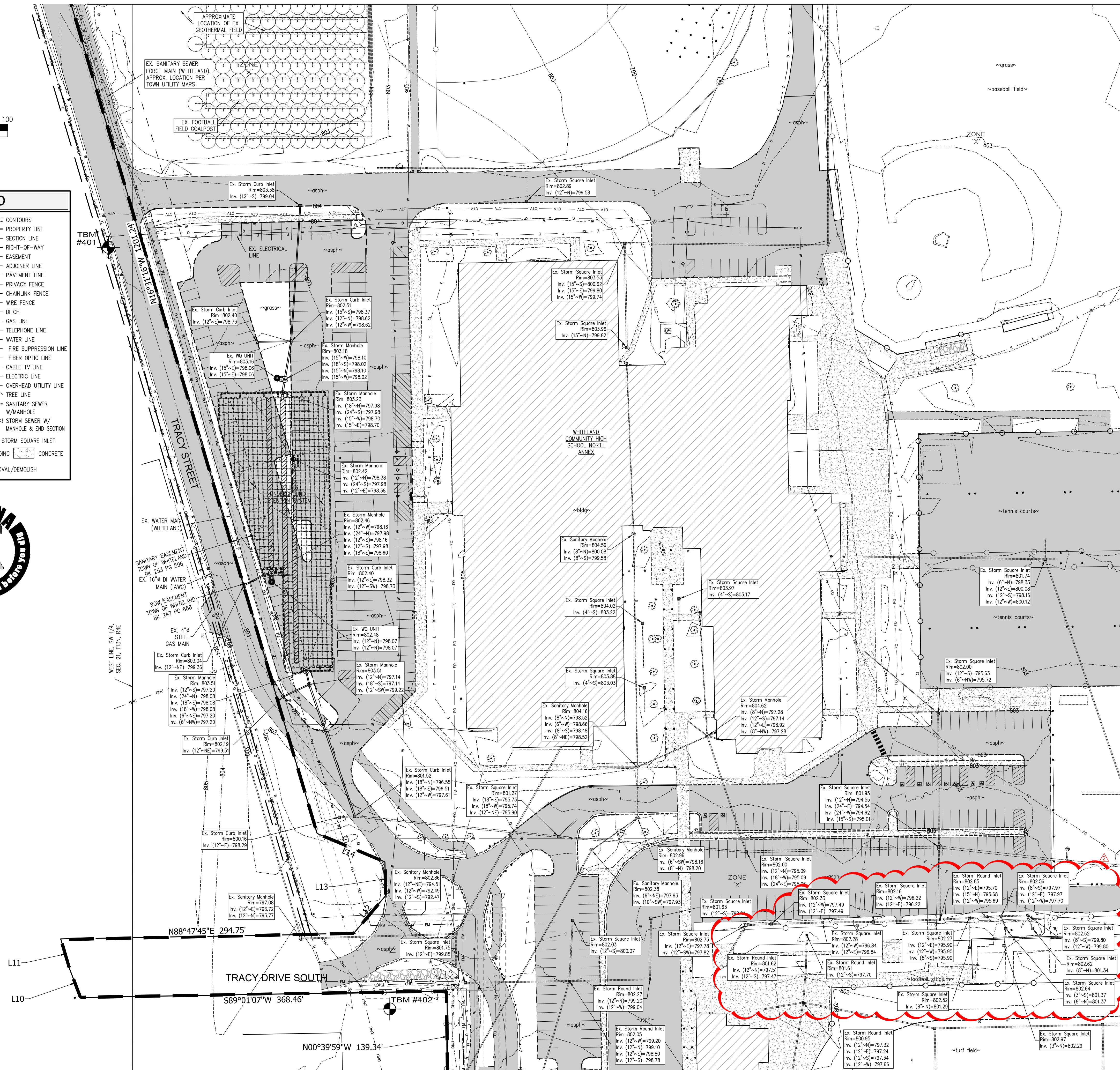
EVERSTREAM
342 MASSACHUSETTS AVENUE
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CONTACT: STEVE MCARTOR

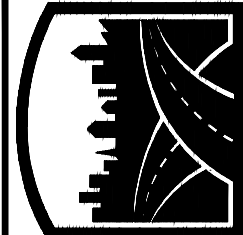
METRONET
3701 COMMUNICATIONS WAY
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PHONE: (812) 253-2196
EMAIL: MARK.DECKARD@METRONETINC.COM
CONTACT: MARK DECKARD

NOTE: The underground utilities shown have been located from field survey information and existing drawings. The surveyor makes no guarantee that the underground utilities comprise all such utilities in the area, either in-service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although the surveyor does certify that they are located as accurately as possible from information available. The surveyor has not physically located the underground utilities.

MATCHLINE - SEE SHEET 201



MATCHLINE - SEE SHEET 205



CROSSROAD ENGINEERS, PC
Development Consultants
115 E. 10th Street, Suite 100
Morgantown, WV 26501
Tel: 304.293.1111
Fax: 304.293.1111

TOPOGRAPHICAL SURVEY

WHITELAND HIGH SCHOOL PHASE 2A

JOB NO.	DRAWN	CHECKED	TEN	GJ
DATE	APRIL 02, 2024	DESIGNED	DMS	APPR.



Derek M. Snyder
Professional Engineer
No. 1120008
State of Indiana

MATCHLINE - SEE SHEET 204

NO.	DATE	REVISIONS	BY	APPR.
1	04.23.24	REVISIONS PER ADDENDUM NO. 1		
2	05.02.24	REVISIONS PER ADDENDUM NO. 2 AND TOWN OF WHITELAND AND JOHNSON COUNTY SURVEYOR'S OFFICE PLAN REVIEW		
3				
4				
5				
6				
7				
8				
9				

SHEET 203

EXISTING LEGEND

	POWERPOLE		CONTOURS
	POWERPOLE W/RISER		PROPERTY LINE
	POWERPOLE W/LIGHT		SECTION LINE
	LIGHT POLE		RIGHT-OF-WAY
	ELECTRIC METER		EASEMENT
	ELECTRIC BOX		ADJOINER LINE
	YARD LIGHT		PAVEMENT LINE
	GUY WIRE		PRIVACY FENCE
	TRANSFORMER		CHAINLINK FENCE
	TELEPHONE MANHOLE		WIRE FENCE
	TELEPHONE RISER		DITCH
	FIBER OPTIC BOX		GAS LINE
	WATER VALVE		TELEPHONE LINE
	FIRE HYDRANT		WATER LINE
	IRRIGATION VALVE		FIRE SUPPRESSION LINE
	WATER METER		FIBER OPTIC LINE
	GAS VALVE		CABLE TV LINE
	GAS METER		ELECTRIC LINE
	CABLE TV RISER		OVERHEAD UTILITY LINE
	CLEANOUT		TREE LINE
	SIGN		SANITARY SEWER W/MANHOLE
	MAILBOX		STORM SEWER W/ MANHOLE & END SECTION
	A/C UNIT		STORM CURB INLET
	FLAG POLE		STORM SQUARE INLET
	STORM ROUND INLET		RIGHT-OF-WAY MARKER
	RIGHT-OF-WAY MARKER		TREE, BUSH & STUMP
	TREE, BUSH & STUMP		ASPHALT
	TEMP. BENCHMARK		GRAVEL
			BUILDING
			CONCRETE
			REMOVAL/DEMOLISH

BENCHMARK INFORMATION

ORIGINATING BENCHMARK
DESIGNATION - X 13
PID - KA0010
STATE/COUNTY - IN/MORGAN
USGS QUAD - MOORESVILLE EAST (1980)
VERT ORDER - FIRST CLASS II
DESCRIBED BY COAST AND GEODETIC SURVEY 1946
1.2 MI N FROM WARELY,
IN JOHNSON COUNTY, 1.2 MILES NORTH ALONG STATE HIGHWAY 37 FROM
THE INTERSECTION OF STATE HIGHWAY 144 AT WARELY, MORGAN COUNTY,
125 YARDS NORTH OF THE MORGAN-JOHNSON COUNTY LINE, 26 FEET WEST
OF THE CENTERLINE OF THE HIGHWAY, IN LINE WITH THE WEST
RIGHT-OF-WAY FENCE, 15 FEET SOUTH OF A WHITE WOODEN WITNESS
POST, AND ABOUT 2 FEET HIGHER THAN THE HIGHWAY, A STANDARD DISK,
STAMPED 686.370 X 13 1830 AND SET IN THE TOP OF A CONCRETE POST
PROJECTING 7 INCHES ABOVE GROUND.
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IS ONE RIGHT-OF-WAY FENCE IS ONE, ALL OTHER INFORMATION APPEARS TO
BE CORRECT.
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RR SPIKE SET IN E FACE OF PP#P21063" LOCATED ±180' N OF "TRACT
NORTH DRIVE" ±40' WEST OF "SAINT CHARLES WAY"
ELEV.=805.77
TBM #401
RR SPIKE SET IN E FACE OF PP#P21042" LOCATED ±6' W OF "TRACY ST."
±40' S OF N PARKING LOT ENTRANCE @ "CLARK PLEASANT EMPLOYEE
HEALTH & WELLNESS CENTER"
ELEV.=805.07
TBM #402
CUT BOX ON TOP OF CONC PEDESTAL FOR UP ON N EDGE OF CONC.
LOCATED @ NE MOST CORNER OF PARKING LOT FOR "199 US-31 "BIG
SPLASH CAR WASH"
ELEV.=806.18
TBM #403
SE MOST CORNER OF BOTTOM CONC STEP LOCATED @ SE CORNER OF
"STUDIO 31 SALON" "43 N. US-31" ON E FACE OF BUILDING.
ELEV.=801.28
TBM #404
NE CORNER OF TOP CONC STEP CONNECTED TO LEAD WALK @ "239 E MAIN
ST." LOCATED SE QUAD OF "E MAIN ST." & "TICHEROR LN."
ELEV.=798.60
TBM #405
RR SPIKE SET IN E FACE POWERPOLE, LOCATED ±5' S OF "E MAIN ST." &
±XX W OF DRIVE @ "399 E MAIN ST."
ELEV.=790.98
TBM #406
SW CORNER OF CONC PORCH @ "49 CENTER ST."
ELEV.=797.61
TBM #407
RR SPIKE SET IN S FACE OF PP# "P2273", LOCATED ±5' E OF "CENTER
ST." & ±150' N OF "OLEN ST."
ELEV.=800.07
TBM #408
RR SPIKE SET IN E FACE OF POWER POLE, LOCATED @ SW CORNER OF
PROPERTY OF "329 CHRISTINA DR."
ELEV.=800.89

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NOTE: The underground utilities shown have been located from field survey information and existing drawings. The surveyor makes no guarantees that the underground utilities comprise all such utilities in the area, either in-service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although the surveyor does certify that they are located as accurately as possible from information available. The surveyor has not physically located the underground utilities.

DEMOLITION LEGEND

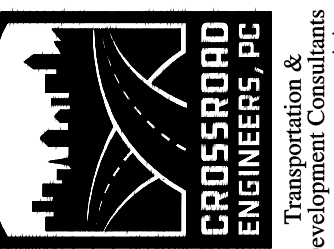
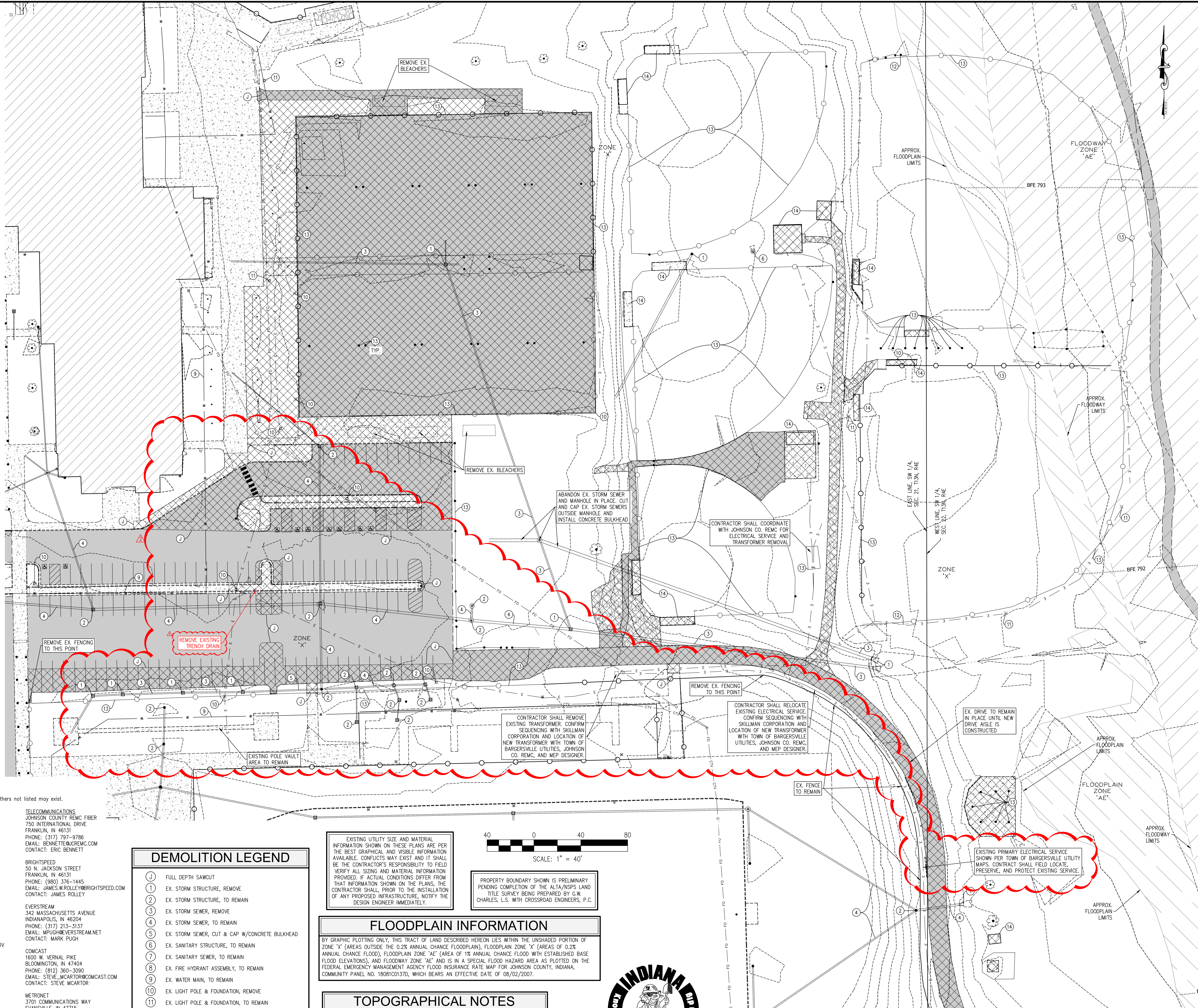
- | | |
|----|--|
| 1 | FULL DEPTH SAWCUT |
| 2 | EX. STORM STRUCTURE, REMOVE |
| 3 | EX. STORM SEWER, REMOVE |
| 4 | EX. STORM SEWER, TO REMAIN |
| 5 | EX. STORM SEWER, CUT & CAP W/CONCRETE BULKHEAD |
| 6 | EX. SANITARY STRUCTURE, TO REMAIN |
| 7 | EX. SANITARY SEWER, TO REMAIN |
| 8 | EX. FIRE HYDRANT ASSEMBLY, TO REMAIN |
| 9 | EX. WATER MAIN, TO REMAIN |
| 10 | EX. LIGHT POLE & FOUNDATION, REMOVE |
| 11 | EX. LIGHT POLE & FOUNDATION, TO REMAIN |
| 12 | EX. SIGN & FOUNDATION, REMOVE |
| 13 | EX. FENCE/BOLLARD, REMOVE |
| 14 | EX. BUILDING, DEMOLISH |
| | PAVEMENT/CONCRETE REMOVAL |

FLOODPLAIN INFORMATION

BY GRAPHIC PLOTTING ONLY, THIS TRACT OF LAND DESCRIBED HEREON LIES WITHIN THE UNSHADED PORTION OF ZONE "X" (AREAS OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN), FLOODPLAIN ZONE "X" (AREAS OF 0.2% ANNUAL CHANCE FLOOD), FLOODPLAIN ZONE "AE" (AREA OF 1% ANNUAL CHANCE FLOOD WITH ESTABLISHED BASE FLOOD ELEVATIONS), AND FLOODWAY ZONE "AE" AND IS IN A SPECIAL FLOOD HAZARD AREA AS PLOTTED ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP FOR JOHNSON COUNTY, INDIANA, COMMUNITY PANEL NO. 18081C01370, WHICH BEARS AN EFFECTIVE DATE OF 08/02/2007.

TOPOGRAPHICAL NOTES

- CONTRACTOR SHALL DISPOSE OF ALL MATERIALS IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.
- UTILITIES ARE GRAPHICAL REPRESENTATION PER SURVEY AND MAPPING; CONTRACTOR SHALL FIELD VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE WITH APPLICABLE UTILITY COMPANIES FOR SERVICE DIS-CONNECTIONS AND/OR RELOCATIONS

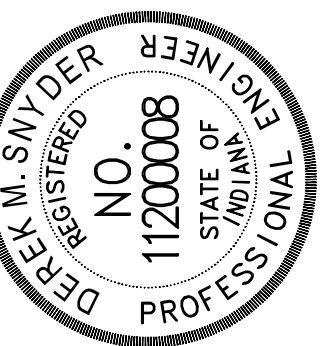


DEMOLITION PLAN

WHITELAND HIGH SCHOOL PHASE 2A

JOB NO.	DRAWN	KLF	CHECKED	TEN
DATE	APRIL 02, 2024	DESIGNED	DMS	GJ

SHEET 210



Derek M. Snyder

NO.	DATE	BY	REVISIONS
1	04.23.24		REVISIONS PER ADDENDUM NO. 1
2	05.02.24		
3			
4			
5			
6			
7			
8			
9			

SHEET 210

DIRECTORY PATH : R:\Active\Uncor+Reals\Whiteland High School\Design\CAD\Plans\PHASE 2
DATE/USER : 5/2/2024 1:16 PM / J59

EXISTING LEGEND

	POWERPOLE		CONTOURS
	POWERPOLE W/RISER		PROPERTY LINE
	POWERPOLE W/LIGHT		SECTION LINE
	ELECTRIC METER		RIGHT-OF-WAY
	ELECTRIC BOX		EASEMENT
	YARD LIGHT		ADJOINER LINE
	GUY WIRE		PAVEMENT LINE
	TRANSFORMER		PRIVACY FENCE
	TELEPHONE MANHOLE		CHAINLINK FENCE
	TELEPHONE RISER		WIRE FENCE
	FIBER OPTIC BOX		DITCH
	WATER VALVE		GAS LINE
	FIRE HYDRANT		TELEPHONE LINE
	IRRIGATION VALVE		WATER LINE
	WATER METER		FIRE SUPPRESSION LINE
	GAS VALVE		FIBER OPTIC LINE
	GAS METER		CABLE TV LINE
	CABLE TV RISER		ELECTRIC LINE
	CLEANOUT		OVERHEAD UTILITY LINE
	SIGN		TREE LINE
	MAILBOX		SANITARY SEWER W/MANHOLE
	A/C UNIT		STORM SEWER W/MANHOLE & END SECTION
	FLAG POLE		
	STORM ROUND INLET		STORM CURB INLET
	RIGHT-OF-WAY MARKER		ASPHALT
	TREE, BUSH & STUMP		BUILDING
	TEMP. BENCHMARK		CONCRETE
			GRAVEL
			REMOVAL/DEMOLISH

BENCHMARK INFORMATION

ORIGINATING BENCHMARK
DESIGNATION - X 13
PID - KA0010
STATE/COUNTY - IN/MORGAN
USGS QUAD - MOORESVILLE EAST (1980)
VERT ORDER - FIRST CLASS II
DESCRIBED BY COAST AND GEODETIC SURVEY 1946
1.2 MI N FROM WAYERLY
IN JOHNSON COUNTY, 1.2 MILES NORTH ALONG STATE HIGHWAY 37 FROM
THE INTERSECTION OF STATE HIGHWAY 144 AT WAYERLY, MORGAN COUNTY,
125 YARDS NORTH OF THE MORGAN-JOHNSON COUNTY LINE, 26 FEET WEST
OF THE CENTERLINE OF THE HIGHWAY, IN LINE WITH THE WEST
RIGHT-OF-WAY FENCE, 15 FEET SOUTH OF A WHITE WOODEN WITNESS
POST, AND ABOUT 2 FEET HIGHER THAN THE HIGHWAY. A STANDARD DISK,
STAMPED 686.370 X 13 1830 AND SET IN THE TOP OF A CONCRETE POST
PROJECTING 7 INCHES ABOVE GROUND.
RECOVERY NOTE BY IN DEPT OF NAT RES 1985
NEW DESC - AT THE INTERSECTION OF NEW STATE ROAD 144 AND OLD STATE
ROAD 37, IN THE SOUTHWEST QUARTER OF THE INTERSECTION, WITNESS POST
IS ONE RIGHT-OF-WAY FENCE IS ONE. ALL OTHER INFORMATION APPEARS TO
BE CORRECT.
ELEVATION = 685.94 (NAVD 88)
TBM #400
RR SPIKE SET IN E FACE OF PP#P21063" LOCATED ±180" N OF "TRACY
NORTH DRIVE" ±40" WEST OF "SAINT CHARLES WAY"
ELEV.=805.77
TBM #401
RR SPIKE SET IN E FACE OF PP#P21042" LOCATED ±6" W OF "TRACY ST."
±40" S OF N PARKING LOT ENTRANCE @ "CLARK PLEASANT EMPLOYEE
HEALTH & WELLNESS CENTER"
ELEV.=805.07
TBM #402
CUT BOX ON TOP OF CONC PEDESTAL FOR UP ON N EDGE OF CONC.
LOCATED @ NE MOST CORNER OF PARKING LOT FOR "199 US-31" "BIG
SPLASH CAR WASH"
ELEV.=806.18
TBM #403
SE MOST CORNER OF BOTTOM CONC STEP LOCATED @ SE CORNER OF
"STUDIO 31 SALON" "43 N. US-31" ON E FACE OF BUILDING.
ELEV.=801.28
TBM #404
NE CORNER OF TOP CONC STEP CONNECTED TO LEAD WALK @ "239 E MAIN
ST." LOCATED SE QUAD OF "E MAIN ST." & "TICHEROR LN."
ELEV.=798.60
TBM #405
RR SPIKE SET IN E FACE POWERPOLE LOCATED ±5' S OF "E MAIN ST." &
±XX W OF DRIVE @ "399 E MAIN ST."
ELEV.=790.98
TBM #406
SW CORNER OF CONC PORCH @ "49 CENTER ST."
ELEV.=797.61
TBM #407
RR SPIKE SET IN S FACE OF PP# "P22C73", LOCATED ±5' E OF "CENTER
ST." & ±150' N OF "OLEM ST."
ELEV.=800.07
TBM #408
RR SPIKE SET IN E FACE OF POWER POLE. LOCATED @ SW CORNER OF
PROPERTY OF "329 CHRISTINA DR."
ELEV.=800.89

UTILITIES

Note: Listed below are the Indiana Underground Plant Protection Services Contacts; Others not listed may exist.

SANITARY SEWER
TOWN OF WHITELAND
SANITATION DEPARTMENT
549 MAIN STREET
WHITELAND, IN 46184
PHONE: (317) 557-2955
EMAIL: SEWERSUP@WHITELAND.IN.GOV
CONTACT: JESSE JONES

TOWN OF NEW WHITELAND
SANITATION DEPARTMENT
940 TRACY ROAD, SUITE A
NEW WHITELAND, IN 46184
PHONE: (317) 941-3544
EMAIL: MATT.GILLOCK@NEWWHITELAND.IN.GOV
CONTACT: MATT GILLOCK

STORM SEWER
TOWN OF WHITELAND
DEPARTMENT OF PUBLIC WORKS
549 MAIN STREET
WHITELAND, IN 46184
PHONE: (317) 557-1033
EMAIL: STREETDEPT@WHITELAND.IN.GOV
CONTACT: SHAUN YOUNG

GAS
CENTERPOINT ENERGY
600 INDUSTRIAL DRIVE
FRANKLIN, IN 46131
PHONE: (765) 287-2119
EMAIL: JONATHAN.EASTHAM@CENTERPOINTENERGY.COM
CONTACT: JONATHAN EASTHAM

WATER
TOWN OF WHITELAND
DEPARTMENT OF PUBLIC WORKS
549 MAIN STREET
WHITELAND, IN 46184
PHONE: (317) 557-1033
EMAIL: STREETDEPT@WHITELAND.IN.GOV
CONTACT: SHAUN YOUNG

INDIANA AMERICAN WATER COMPANY
153 N. EMERSON AVENUE
GREENWOOD, IN 46143
PHONE: (317) 209-5837
EMAIL: JONNY.NORRIS@AMWATER.COM
CONTACT: JONNY NORRIS

ELECTRIC
TOWN OF BARGERSVILLE
24 N. MAIN STREET
BARGERSVILLE, IN 46106
PHONE: (317) 422-5117
EMAIL: KILLINGER@BARGERSVILLE.IN.GOV
CONTACT: KEVIN KILLINGER

JOHNSON COUNTY REMC
750 INTERNATIONAL DRIVE
FRANKLIN, IN 46131
PHONE: (317) 738-7639
EMAIL: JEAN@JOHNSONREMC.COM
CONTACT: SCOTT JEAN

TELECOMMUNICATIONS
JOHNSON COUNTY REMC FIBER
750 INTERNATIONAL DRIVE
FRANKLIN, IN 46131
PHONE: (317) 797-9786
EMAIL: BENNETTE@JOHNSONREMC.COM
CONTACT: ERIC BENNETT

BRIGHTSPEED
50 N. JACKSON STREET
FRANKLIN, IN 46131
PHONE: (800) 376-1445
EMAIL: JAMES.W.ROLLEY@BRIGHTSPEED.COM
CONTACT: JAMES ROLLEY

EVERSTREAM
342 MASSACHUSETTS AVENUE
INDIANAPOLIS, IN 46204
PHONE: (317) 213-3137
EMAIL: MPUGH@EVERSTREAM.NET
CONTACT: MARK PUGH

COMCAST
1600 W. VERNAL PIKE
BLOOMINGTON, IN 47404
PHONE: (812) 360-3090
EMAIL: STEVE.MCARTOR@COMCAST.COM
CONTACT: STEVE MCARTOR

METRONET
3701 COMMUNICATIONS WAY
EVANSVILLE, IN 47715
PHONE: (812) 253-2198
EMAIL: MARK.DECKARD@METRONETINC.COM
CONTACT: MARK DECKARD

DEMOLITION LEGEND

- | | |
|----|--|
| 1 | FULL DEPTH SAWCUT |
| 2 | EX. STORM STRUCTURE, REMOVE |
| 3 | EX. STORM STRUCTURE, TO REMAIN |
| 4 | EX. STORM SEWER, REMOVE |
| 5 | EX. STORM SEWER, TO REMAIN |
| 6 | EX. STORM SEWER, CUT & CAP W/CONCRETE BULKHEAD |
| 7 | EX. SANITARY STRUCTURE, TO REMAIN |
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| 10 | EX. WATER MAIN, TO REMAIN |
| 11 | EX. LIGHT POLE & FOUNDATION, REMOVE |
| 12 | EX. LIGHT POLE & FOUNDATION, TO REMAIN |
| 13 | EX. SIGN & FOUNDATION, REMOVE |
| 14 | EX. FENCE/BOLLARD, REMOVE |
| 15 | EX. BUILDING, DEMOLISH |
| 16 | PAVEMENT/CONCRETE REMOVAL |

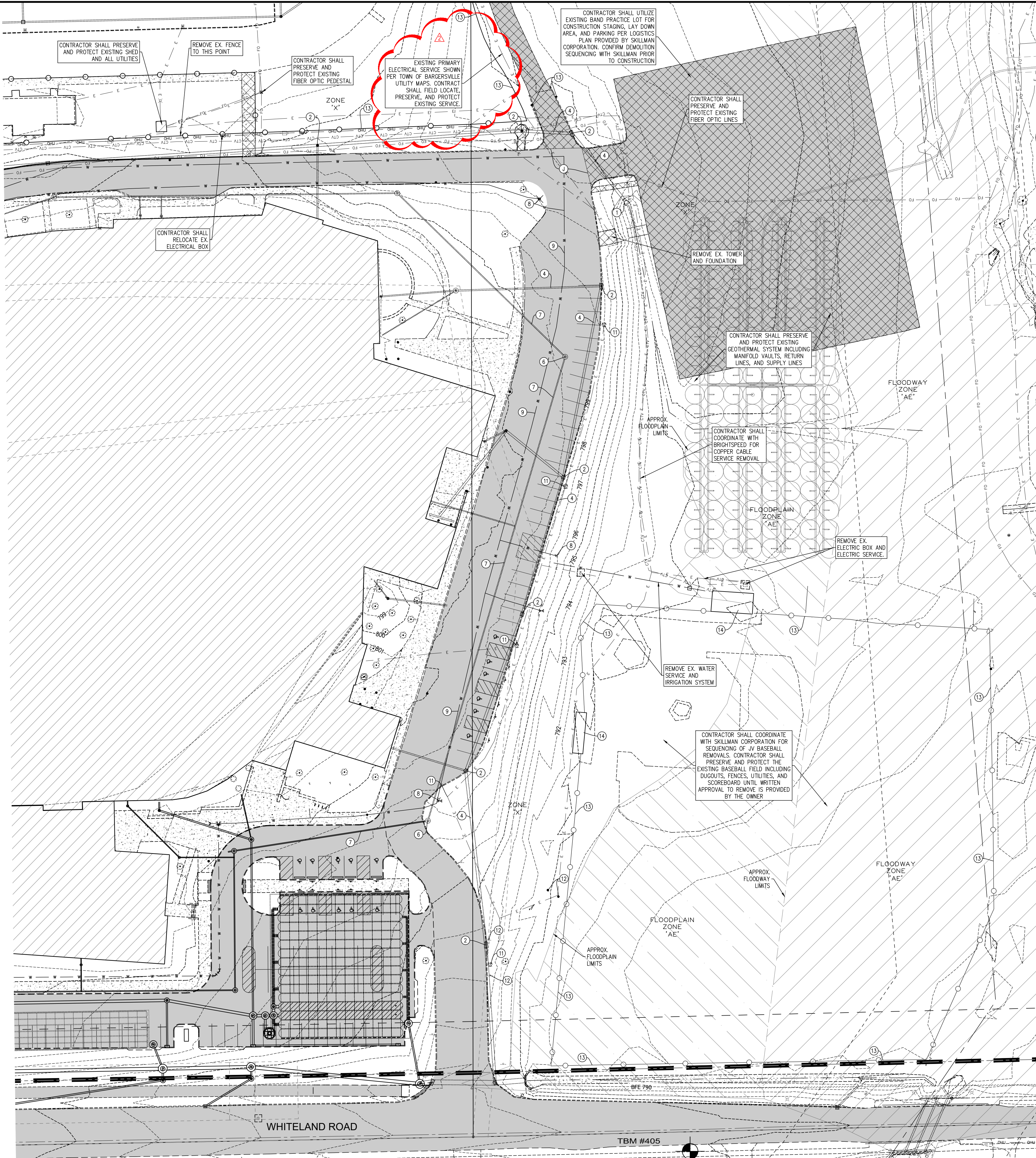


FLOODPLAIN INFORMATION

BY GRAPHIC PLOTTING ONLY, THIS TRACT OF LAND DESCRIBED HEREON LIES WITHIN THE UNSHADED PORTION OF ZONE "X" (AREAS OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN), FLOODPLAIN ZONE "X" (AREAS OF 0.2% ANNUAL CHANCE FLOOD), FLOODPLAIN ZONE "AE" (AREA OF 1% ANNUAL CHANCE FLOOD WITH ESTABLISHED BASE FLOOD ELEVATIONS), AND FLOODWAY ZONE "AE" AND IS IN A SPECIAL FLOOD HAZARD AREA AS PLOTTED ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP FOR JOHNSON COUNTY, INDIANA, COMMUNITY PANEL NO. 18081C0137D, WHICH BEARS AN EFFECTIVE DATE OF 08/02/2007.

TOPOGRAPHICAL NOTES

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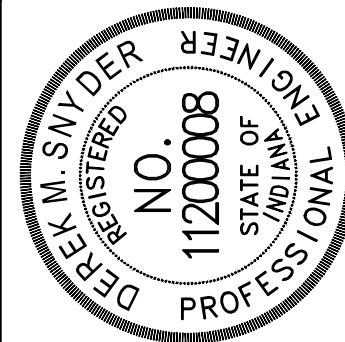


CROSSROAD
ENGINEERS, PC
Professional Engineer
Development Consultants
15 S. 17th Ave. Suite 400
Indianapolis, IN 46204

DEMOLITION PLAN

WHITELAND HIGH SCHOOL PHASE 2A

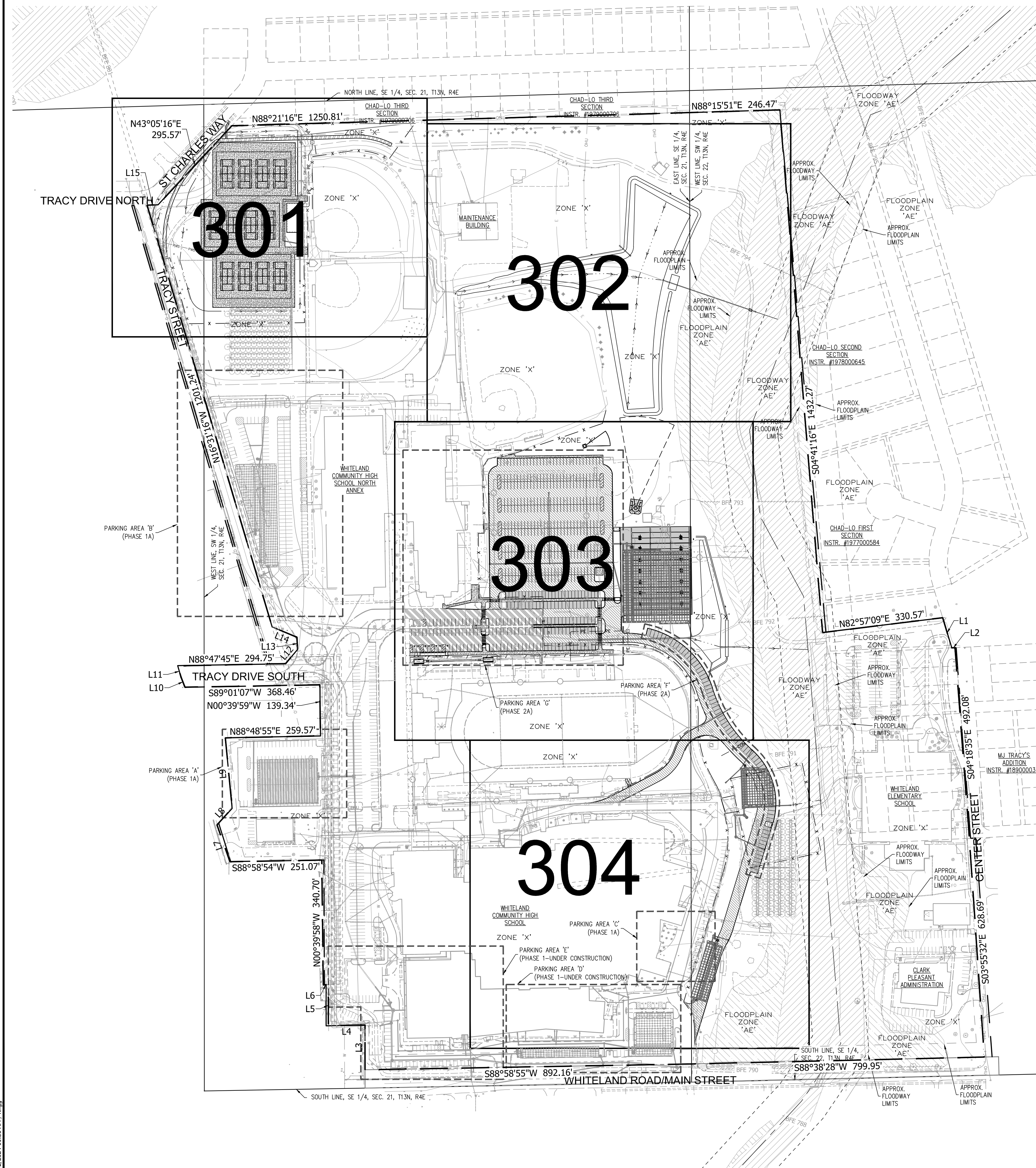
JOB NO.	DRAWN	KLF	CHECKED	TEN	DATE	DESIGNED	DMS	APPR.	GJJ	SHEET	211
					APRIL 02, 2024						



Derek M. Snyder

NO.	DATE	REVISIONS	BY	APPR.	DMS	GJJ
9						
8						
7						
6						
5						
4						
3						
2	05.02.24	REVISIONS PER ADDENDUM NO. 2 AND TOWN OF WHITELAND AND JOHNSON COUNTY SURVEYOR'S OFFICE PLAN REVIEW				
1	04.23.24					

SHEET 211



SITE DIMENSION NOTES

- ALL NEW SIGNAGE AND PARKING LOT LIGHTS SHALL MATCH WHITELAND COMMUNITY HIGH SCHOOLS' EXISTING SIGNAGE AND LIGHTING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LANDSCAPE ARCHITECT (CONTEXT DESIGN), AND MEP DESIGNER FOR LIGHT STYLES AND LAYOUT.
1. SHALL PROVIDE ENGINEERING, IF PROOF ROLL SUBGRADE FAILS, TO DETERMINE IF LIME STABILIZATION OF SUBGRADE IS NECESSARY.
2. SHALL BE RESPONSIBLE TO THE FACE OF PROPOSED CURB.
3. SIGNAGE SHALL INCLUDE ALL NECESSARY HARDWARE AND FITTINGS INCLUDING 10 FT. OF 1" GAUGE FLANGED CHANNEL, SIGN POST, AND 1" GAUGE CHANNEL. CONTRACTOR SHALL PROVIDE ALL NECESSARY SIGNAGE. VERY CONFLICTS WITH OWNER, ARCHITECT, AND LANDSCAPE ARCHITECT.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND PROVIDING ALL NECESSARY PLACARDS, BARRELS, SIGNAGE, ETC DURING CONSTRUCTION. ALL APPLICABLE M.U./T.C.D. STANDARDS SHALL BE FOLLOWED.
5. LANDSCAPING PLAN TO BE PROVIDED BY CONTEXT DESIGN CONSULTANT. SHALL COORDINATE WITH OWNER AND CONTEXT FOR SPECIFICATIONS.
6. EXISTING UTILITY SIZE AND MATERIAL INFORMATION SHOWN ON PLANS SHALL BE USED. IF ANY DISCREPANCIES ARE FOUND, THE INFORMATION AVAILABLE, CONFLICTS MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL SIZING INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY THAT THE INFORMATION SHOWN ON THE PLANS, THE CONTRACTOR SHALL, PRIOR TO THE INSTALLATION OF ANY UTILITY STRUCTURE, NOTIFY THE DESIGN ENGINEER IMMEDIATELY.

PARKING ANALYSIS - PHASES 1A, 1 AND 2A

PARKING AREA & PHASE	EXISTING # OF SPACES		PROPOSED # OF SPACES		NET CHANGE IN # OF SPACES	
	A.D.A. ACCESSIBLE	STANDARD	A.D.A. ACCESSIBLE	STANDARD	A.D.A. ACCESSIBLE	STANDARD
"A" (PH 1A)	0	21	0	117	0	+96
"B" (PH 1A)	5	83	5	213	0	+130
"C" (PH 1A)	0	16	6	7	+6	-9
PH 1A SUBTOTALS =	5	120	11	337	+6	+217
"D" (PH 1)	5	71	10	59	+5	-12
"E" (PH 1)	7	174	2	66	-5	-108
PH 1 SUBTOTALS =	12	245	12	125	0	-120
"F" (PH 2A)	0	0	0	76	0	+76
"G" (PH 2A)	9	120	9	510	0	+390
PH 2A SUBTOTALS =	9	120	9	586	0	+466
TOTALS =	26	485	32	1,048	+6	+563

NOTES:

1. A TEMPORARY REDUCTION OF 6 A.D.A. ACCESSIBLE AND 25 STANDARD PARKING SPACES WILL BE REALIZED ON SITE DURING CONSTRUCTION OF PHASE 1 DUE TO THE EXISTING PARKING LOTS BEING CLOSED OFF FOR CONSTRUCTION.
2. PARKING ANALYSIS DOES NOT INCLUDE EXISTING OR PROPOSED BAND PRACTICE LOTS WHICH MAY BE USED FOR OVERTFLOW PARKING. SAID LOTS ARE THE SAME SIZE; THEREFORE, NO CHANGES TO THE NUMBER OF POTENTIAL TEMPORARY PARKING SPACES ARE ANTICIPATED ONCE CONSTRUCTION OF THE NEW BAND PRACTICE LOT IS COMPLETE.

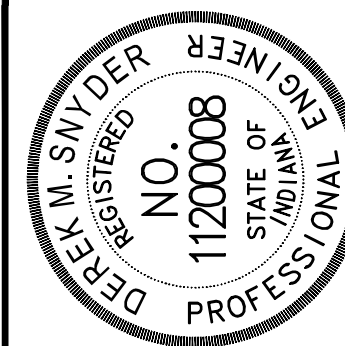
NOTE:
NO EARTHWORK DISTURBING ACTIVITY
MAY COMMENCE UNTIL A STORM WATER
MANAGEMENT PERMIT IS OBTAINED.

PROPERTY BOUNDARY SHOWN IS PRELIMINARY
PENDING COMPLETION OF THE ALTA/NSPS LAND
TITLE SURVEY BEING PREPARED BY G.W.
CHARLES, L.S. WITH CROSSROAD ENGINEERS, P.C.

Line #	Direction	Length
L1	S76°51'24"E	86.00'
L2	N87°08'36"E	8.81'
L3	N00°09'39"W	121.99'
L4	S88°58'56"W	99.96'
L5	N00°09'39"W	112.00'
L6	S88°58'16"W	13.76'
L7	N19°16'56"W	106.79'
L8	N42°42'49"E	60.96'
L9	N05°29'15"W	193.57'
L10	N20°48'54"W	30.97'
L11	N16°27'01"W	30.46'
L12	N40°72'44"E	49.65'
L13	N01°07'16"W	34.00'
L14	N67°41'17"W	74.01'
L15	N88°17'44"E	29.87'

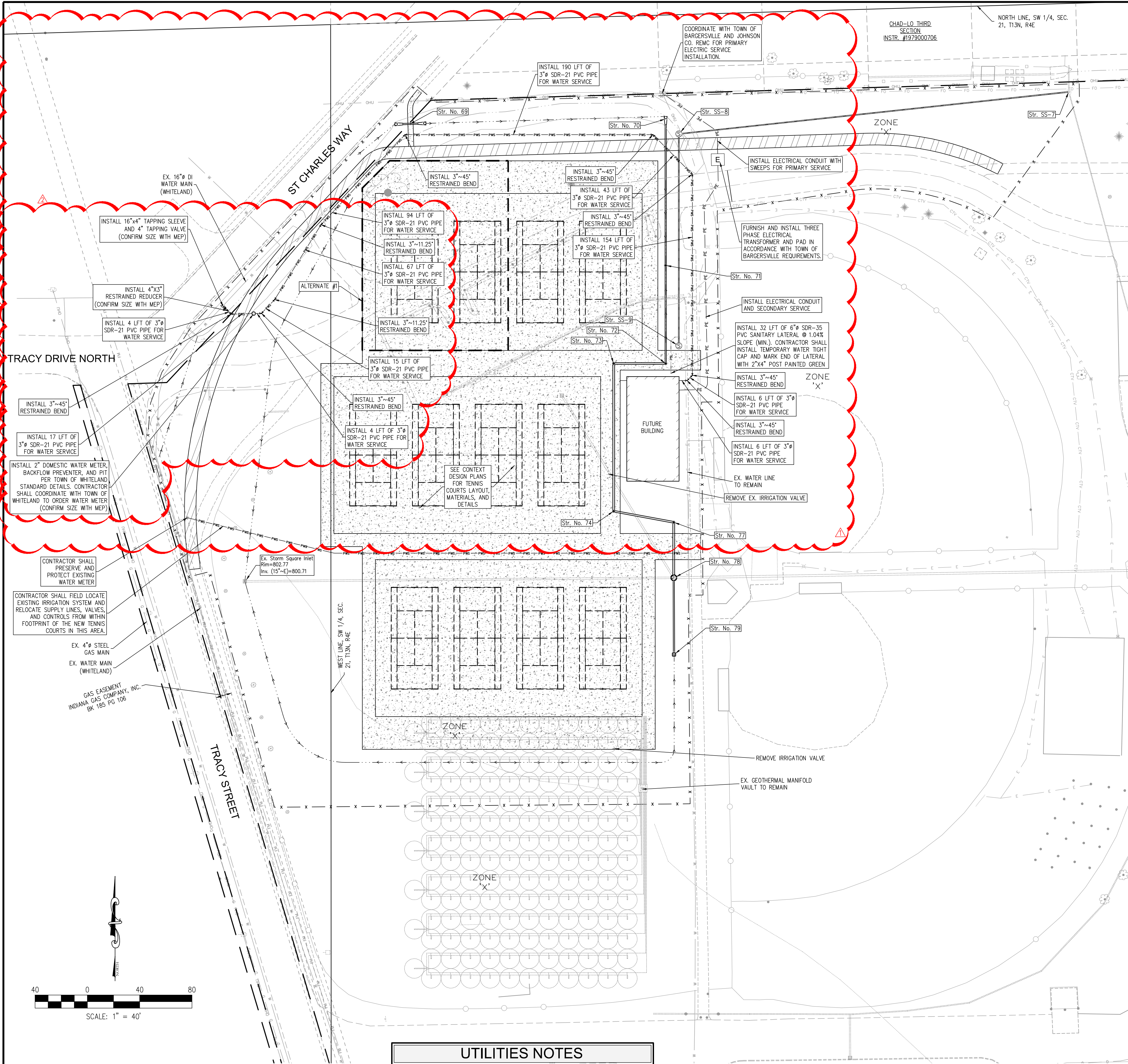
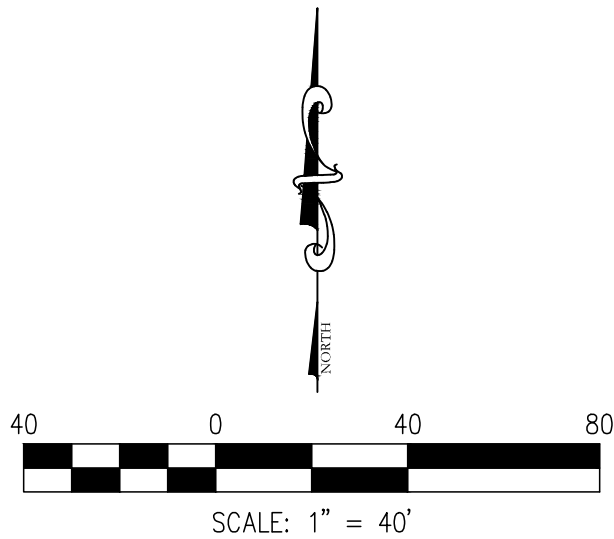


OVERALL SITE DIMENSION PLAN



David M. Smyth

9					
8					
7					
6					
5					
4					
3					
2	05.02.24	REVISIONS PER ADDENDUM NO. 2 AND TOWN OF WHITELAND AND JOHNSON COUNTY SURVEYOR'S OFFICE PLAN REVIEW	DMS	GJ	
1	04.23.24	REVISIONS PER ADDENDUM NO. 1	DMS	GJ	
NO.	DATE	REVISIONS	BY	APPR.	



UTILITIES NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND PROVIDING ALL NECESSARY FLAGMAN, BARRELS, SIGNAGE, ETC. DURING CONSTRUCTION. ALL APPLICABLE M.U.C.D. STANDARDS SHALL GOVERN THIS WORK.
- CONTRACTOR SHALL REFER TO THE ELECTRICAL SITE PLAN PREPARED BY PRIMARY ENGINEERING, INC. FOR PARKING LOT LIGHTING AND SPECIFICATIONS.
- ALL STORM SEWER CASTINGS SHALL BE NPDES PHASE II COMPLIANT. CASTINGS SHALL BE MANUFACTURED WITH A STATEMENT SAYING: "DUMP NO WASTE, DRAINS TO RIVER" IN 1/2" RAISED LETTERS.
- ALL FIELD TILES DISTURBED DURING CONSTRUCTION MUST BE REPAIRED/CONNECTED TO NEW STORMWATER FACILITIES.
- EXISTING UTILITY SIZE AND MATERIAL INFORMATION SHOWN ON THESE PLANS ARE PER THE BEST GRAPHICAL AND VISIBLE INFORMATION AVAILABLE. CONFLICTS MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL SIZING AND MATERIAL INFORMATION PROVIDED. IF ACTUAL CONDITIONS DIFFER FROM THAT INFORMATION SHOWN ON THE PLANS, THE CONTRACTOR SHALL PRIOR TO THE INSTALLATION OF ANY PROPOSED INFRASTRUCTURE, NOTIFY THE DESIGN ENGINEER IMMEDIATELY.

MATCH LINE - SEE SHEET 401

PROPOSED LEGEND	
	EASEMENT LINE
	PERMANENT FENCE LINE
	DITCH LINE
	SANITARY SEWER WITH MANHOLE
	SANITARY SEWER LATERAL WITH CLEANOUT
	STORM SEWER W/ MANHOLE & END SECTION
	ELECTRIC LINE
	WATER FIRE LINE
	WATER SERVICE LINE
	FIBER OPTIC CONDUIT
	STORM MANHOLES
	STORM INLETS
	AQUA-SWIRL UNITS
	CURB STOP
	WATER METER
	TAPPING SLEEVE
	45° BEND
	22.5° BEND
	11.25° BEND
	FIRE HYDRANT
	WATER VALVE
	ELECTRIC TRANSFORMER
	HAND HOLE
	PERMANENT CONSTRUCTION FENCE WITH SCREENING ON DRIVEN POSTS
	TEMPORARY CONSTRUCTION FENCE ON STANDS WITH SAND BAGS

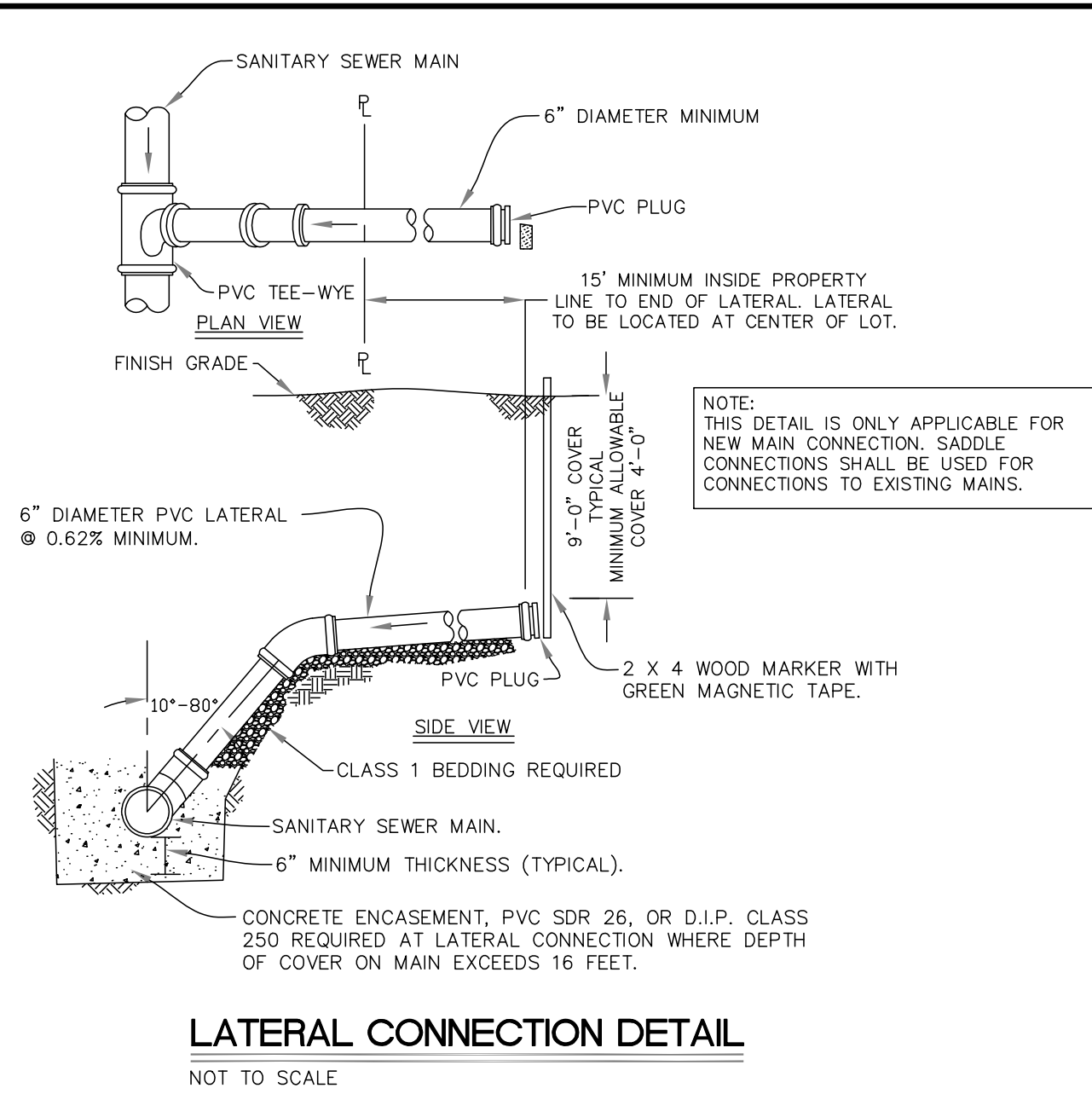
EXISTING LEGEND	
	POWERPOLE
	POWERPOLE W/ RISER
	LIGHT POLE
	ELECTRIC METER
	ELECTRIC BOX
	YARD WIRE
	TRANSFORMER
	TELEPHONE MANHOLE
	TELEPHONE RISER
	FIBER OPTIC BOX
	WATER VALVE
	FIRE HYDRANT
	IRRIGATION VALVE
	WATER METER
	GAS VALVE
	GAS METER
	CABLE TV RISER
	SIGN
	MAILBOX
	A/C UNIT
	FLAG POLE
	STORM ROUND INLET
	TREE, BUSH & STUMP
	TEMP. BENCHMARK
	CONTOURS
	PROPERTY LINE
	SECTION LINE
	RIGHT-OF-WAY
	EASEMENT
	ADJONER LINE
	PAYMENT LINE
	PRIVACY FENCE
	CHAINLINK FENCE
	DITCH
	GAS LINE
	TELEPHONE LINE
	WATER LINE
	FIRE SUPPRESSION LINE
	FIBER OPTIC LINE
	CABLE TV LINE
	ELECTRIC LINE
	OVERHEAD UTILITY LINE
	TREE LINE
	SANITARY SEWER W/ MANHOLE
	STORM SEWER W/ MANHOLE & END SECTION
	ASPHALT
	BUILDING
	CONCRETE
	GRAVEL

STORM SEWER STRUCTURE TABLE	
STR. DATA	
STR. NO. 70	
INSTALL ONE (1) CONCRETE PIPE END SECTION WITH ANIMAL GUARD AND 112 LFT OF 12" HDPE PIPE @ 0.30%	
INV IN (12"-S)=800.90	
STR. NO. 71	
INSTALL 12" NYLOPLAST DRAIN WITH DOME GRATE AND 75 LFT OF 12" HDPE PIPE @ 0.47%	
INV IN (12"-N)=800.56	
INV OUT (12"-S)=800.56	
STR. NO. 72	
INSTALL 18" NYLOPLAST DRAIN WITH PEDESTRIAN GRATE AND 40 LFT OF 15" HDPE PIPE @ 0.25%	
INV IN (12"-N)=800.21	
INV OUT (15"-W)=800.06	
STR. NO. 73	
INSTALL 24" NYLOPLAST DRAIN WITH PEDESTRIAN GRATE AND 113 LFT OF 18" VARIABLE RISER HEIGHT DURASLOT HDPE PIPE @ 0.20%	
INV IN (15"-E)=799.96	
INV OUT (18"-S)=799.96	
STR. NO. 74	
INSTALL 24" NYLOPLAST DRAIN WITH PEDESTRIAN GRATE AND 47 LFT OF 15" HDPE PIPE @ 0.21%	
INV IN (18"-N)=799.73	
INV OUT (15"-E)=799.73	

NOTE:
STR. NO. 75 AND 76 HAVE BEEN DELETED FROM PHASE 2A AND WILL BE INSTALLED IN FUTURE PHASE.

STORM SEWER STRUCTURE TABLE	
STR. DATA	
STR. NO. 77	
INSTALL 24" NYLOPLAST DRAIN WITH PEDESTRIAN GRATE AND 42 LFT OF 18" HDPE PIPE @ 0.38%	
INV IN (15"-W)=799.63	
INV IN (12"-NE)=800.15	
INV OUT (18"-S)=799.54	
STR. NO. 78	
INSTALL TYPE 'C' MANHOLE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND CONNECT TO EXISTING STORM	
4 LFT OF 18" RCP @ 0.50%	
RM=803.87	
INV IN (12"-S)=799.38	
INV IN (18"-N)=799.38	
INV IN (15"-W)=799.38	
INV OUT (18"-E)=799.38	
STR. NO. 79	
INSTALL TYPE 'E' INLET WITH NEENAH R-4215-C CASTING OR AN APPROVED EQUAL AND 59 LFT OF 12" HDPE PIPE @ 0.43%	
INV OUT (12"-N)=799.63	

STORM CULVERT DATA TABLE	
STR. DATA CULVERT	
STR. NO. 69	
INSTALL TWO (2) CONCRETE END SECTIONS WITH ANIMAL GUARDS AND 20 LFT OF 12" RCP @ 0.50%	
U.S. EL=802.83	
D.S. EL=802.73	
SANITARY SEWER STRUCTURE TABLE	
STR. DATA	
STR. NO. SS-7	
MECHANICALLY CORE EXISTING SANITARY MANHOLE AND CONNECT 8" PVC FROM STR. NO. SS-8 WITH CMA WATERSTOP CONNECTOR	
RM=804.18	
INV IN (8"-S)=797.58	
INV IN (8"-W)=797.68	
INV OUT (8"-N)=797.58	
STR. NO. SS-8	
INSTALL SANITARY MANHOLE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 300 LFT OF 8" PVC @ 0.45%	
RM=804.12	
INV IN (8"-S)=799.13	
INV OUT (8"-E)=799.03	
STR. NO. SS-9	
INSTALL SANITARY MANHOLE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 162 LFT OF 8" PVC @ 0.45%	
RM=804.12	
INV OUT (8"-N)=799.86	



LATERAL CONNECTION DETAIL
NOT TO SCALE

CROSSROADS ENGINEERS, PC
115 N. 10th Street, Suite 100
Whiteland, IN 46184
Phone: 317.346.1111
Fax: 317.346.1112
Email: info@crossroadsengineers.com

UTILITY PLAN

WHITELAND HIGH SCHOOL PHASE 2A

JOB NO.	DRAWN	CHECKED	TEN
DATE	APRIL 02, 2024	DESIGNED	GJ

NO.	1	2	3	4	5	6	7	8	9
REVISIONS PER ADDENDUM NO. 1									
DATE	04.23.24	05.02.24							

BY	APPR.	DMS	GJ
DATE			

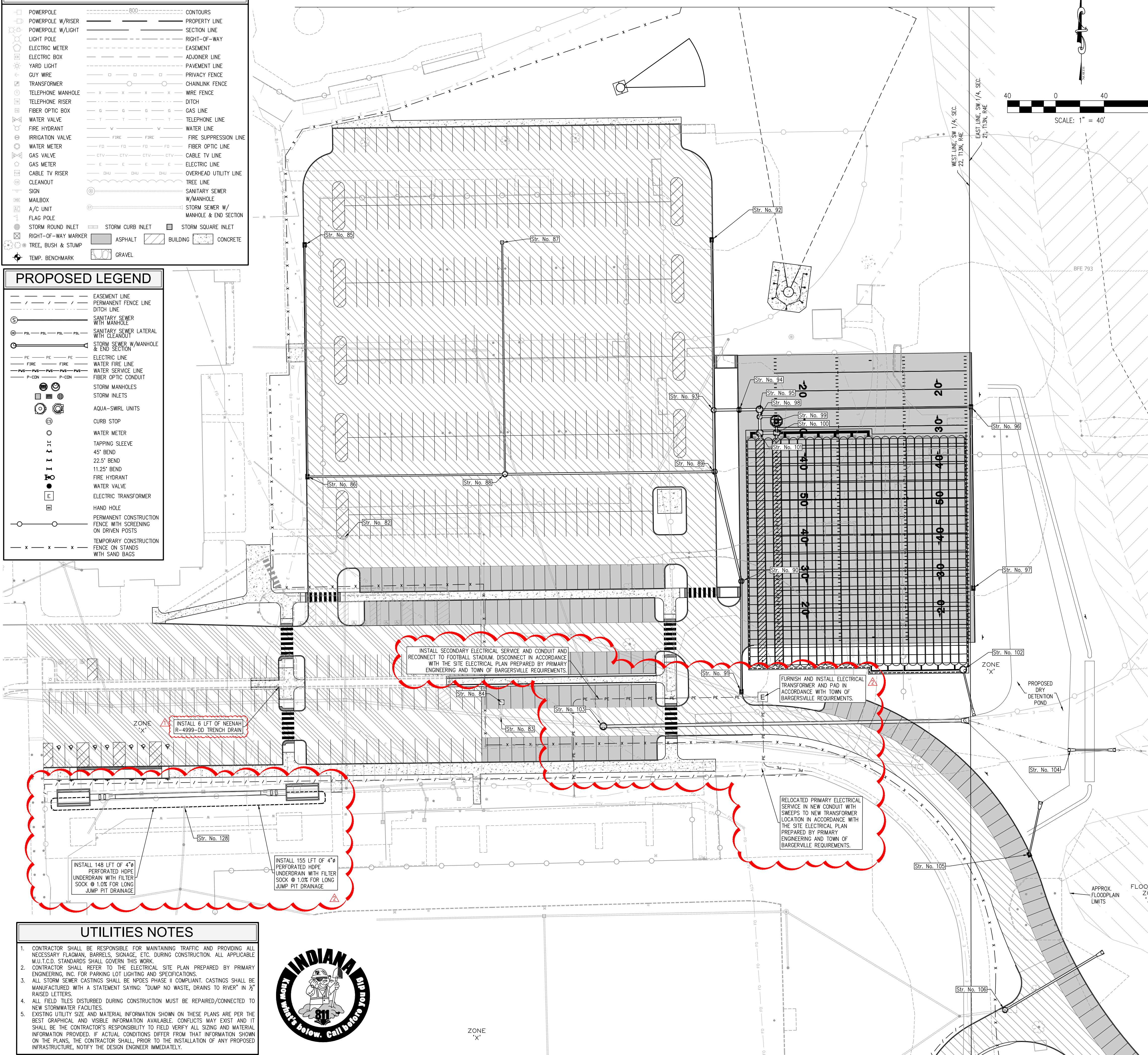
SHEET 400

DIRECTORY PATH : R:\Active\Unice+Becker\Whiteland High School\Design\CAD\Plans\PHASE 2
DATE/USER : 5/2/2024 2:36 PM / Dwyer

EXISTING LEGEND			
	POWERPOLE		CONTOURS
	POWERPOLE W/RISER		PROPERTY LINE
	POWERPOLE W/LIGHT		SECTION LINE
	LIGHT POLE		RIGHT-OF-WAY
	ELECTRIC METER		EASEMENT
	ELECTRIC BOX		ADJUNCTION LINE
	YARD LIGHT		PAVEMENT LINE
	GUY WIRE		PRIVACY FENCE
	TRANSFORMER		CHAINLINK FENCE
	TELEPHONE MANHOLE		WIRE FENCE
	TELEPHONE RISER		DITCH
	FIBER OPTIC BOX		GAS LINE
	WATER VALVE		TELEPHONE LINE
	FIRE HYDRANT		WATER LINE
	IRRIGATION VALVE		FIRE SUPPRESSION LINE
	WATER METER		FIBER OPTIC LINE
	GAS VALVE		CABLE TV LINE
	GAS METER		ELECTRIC LINE
	CABLE TV RISER		OVERHEAD UTILITY LINE
	CLEANOUT		TREE LINE
	SIGN		SANITARY SEWER W/MANHOLE
	MAILBOX		STORM SEWER W/MANHOLE & END SECTION
	A/C UNIT		STORM CURB INLET
	FLAG POLE		STORM SQUARE INLET
	STORM ROUND INLET		ASPHALT
	RIGHT-OF-WAY MARKER		BUILDING
	TREE, BUSH & STUMP		CONCRETE
	TEMP. BENCHMARK		GRAVEL

PROPOSED LEGEND	
	EASEMENT LINE
	PERMANENT FENCE LINE
	DITCH LINE
	SANITARY SEWER WITH MANHOLE
	SANITARY SEWER LATERAL WITH CLEANOUT
	STORM SEWER W/MANHOLE & END SECTION
	ELECTRIC LINE
	WATER FIRE LINE
	WATER SERVICE LINE
	FIBER OPTIC CONDUIT
	STORM MANHOLES
	STORM INLETS
	AQUA-SWIRL UNITS
	CURB STOP
	WATER METER
	TAPPING SLEEVE
	45' BEND
	22.5' BEND
	11.25' BEND
	FIRE HYDRANT
	WATER VALVE
	ELECTRIC TRANSFORMER
	HAND HOLE
	PERMANENT CONSTRUCTION FENCE WITH SCREENING ON DRIVEN POSTS
	TEMPORARY CONSTRUCTION FENCE ON STANDS WITH SAND BAGS

MATCH LINE - SEE SHEET 401



STORM SEWER STRUCTURE TABLE	STORM SEWER STRUCTURE TABLE	STORM SEWER STRUCTURE TABLE
STR. NO. 85 INSTALL TYPE 'J' INLET WITH NEENAH R-3287-10V CASTING OR AN APPROVED EQUAL AND 192 LFT OF 12" HDPE PIPE @ 0.93% RM=801.84 INV OUT (12'-S)=798.24	STR. NO. 92 INSTALL TYPE 'J' INLET WITH NEENAH R-3287-10V CASTING OR AN APPROVED EQUAL AND 141 LFT OF 15" HDPE PIPE @ 0.72% RM=798.07 INV OUT (15'-S)=794.76	STR. NO. 99 INSTALL PCS AQUA-SWIRL AS-9 IN OFFLINE CONFIGURATION AND 10 LFT OF 18" HDPE PIPE @ 1.80% RM=798.07 INV IN (18'-W)=792.09 INV OUT (18'-S)=792.09
STR. NO. 86 INSTALL TYPE 'W' INLET WITH NEENAH R-3287-10V CASTING OR AN APPROVED EQUAL AND 164 LFT OF 15" HDPE PIPE @ 0.89% RM=801.84 INV IN (12'-N)=796.45 INV OUT (15'-E)=796.20	STR. NO. 93 INSTALL TYPE 'C' MANHOLE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 21 LFT OF 24" HDPE PIPE @ 0.43% RM=798.90 INV IN (15'-N)=793.75 INV IN (18'-S)=792.47 INV OUT (24'-E)=792.47	STR. NO. 100 INSTALL TYPE 'J' MANHOLE FOR ISOLATOR ROW WD BYPASS WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 4 LFT OF 24" HDPE PIPE @ 0.75% RM=798.13 INV IN (24'-W)=792.00 INV IN (18'-N)=792.00 INV IN (24'-E)=793.01 INV OUT (24'-S)=792.00
STR. NO. 87 INSTALL TYPE 'E' INLET WITH NEENAH R-3405-A CASTING OR AN APPROVED EQUAL AND 192 LFT OF 12" HDPE PIPE @ 0.75% RM=801.16 INV OUT (12'-S)=797.56	STR. NO. 94 INSTALL TYPE 'C' MANHOLE WITH NEENAH R-3287-10V CASTING OR AN APPROVED EQUAL AND 17 LFT OF 24" HDPE PIPE @ 0.47% RM=797.71 INV IN (24'-W)=792.38 INV OUT (24'-E)=792.38	STR. NO. 101 INSTALL TYPE 'J' MANHOLE FOR ISOLATOR ROW WD BYPASS WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 4 LFT OF 24" HDPE PIPE @ 0.75% RM=797.99 INV IN (24'-W)=792.00 INV IN (18'-N)=792.00 INV IN (24'-E)=793.01 INV OUT (24'-S)=792.00
STR. NO. 88 INSTALL TYPE 'C' MANHOLE WITH NEENAH R-3405-A CASTING OR AN APPROVED EQUAL AND 174 LFT OF 18" HDPE PIPE @ 0.77% RM=801.16 INV IN (15'-W)=794.74 INV IN (12'-N)=796.12 INV OUT (18'-E)=794.49	STR. NO. 95 INSTALL TYPE 'J' MANHOLE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 6 LFT OF 24" HDPE PIPE @ 0.67% RM=797.87 INV IN (24'-W)=792.30 INV IN (15'-E)=792.70 INV OUT (24'-E)=792.30	STR. NO. 102 INSTALL MODIFIED TYPE 'J' MANHOLE FOR OUTLET CONTROL STRUCTURE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL, CHECKMATE ULTRAFLEX INLINE CHECK VALVE, AND ONE (1) CONCRETE PIPE END SECTION WITH ANIMAL GUARD AND 37 LFT OF 12" HDPE PIPE @ 0.35% RM=798.20 INV IN (12'-W)=791.91 INV IN (12'-N)=791.91 INV IN (15'-S)=790.30 INV IN (15'-E)=790.30 INV OUT (12'-S)=790.30
STR. NO. 89 INSTALL TYPE 'C' MANHOLE WITH NEENAH R-3287-10V CASTING OR AN APPROVED EQUAL AND 51 LFT OF 24" HDPE PIPE @ 0.35% RM=798.62 INV IN (18'-W)=793.15 INV IN (18'-S)=793.15 INV OUT (24'-N)=792.65	STR. NO. 96 INSTALL TYPE 'W' INLET WITH NEENAH R-3287-10V CASTING OR AN APPROVED EQUAL AND 175 LFT OF 15" HDPE PIPE @ 0.40% RM=797.71 INV IN (15'-S)=793.40 INV OUT (15'-W)=793.40	STR. NO. 103 INSTALL TYPE 'J' MANHOLE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND ONE (1) CONCRETE PIPE END SECTION WITH ANIMAL GUARD AND 298 LFT OF 30" HDPE PIPE @ 0.40% RM=800.84 INV IN (12'-W)=791.91 INV IN (30'-E)=792.18
STR. NO. 90 INSTALL TYPE 'C' MANHOLE WITH NEENAH R-3287-10V CASTING OR AN APPROVED EQUAL AND 93 LFT OF 18" HDPE PIPE @ 0.46% RM=797.76 INV IN (15'-S)=793.83 INV OUT (18'-N)=793.58	STR. NO. 97 INSTALL TYPE 'J' INLET WITH NEENAH R-3287-10V CASTING OR AN APPROVED EQUAL AND 150 LFT OF 15" HDPE PIPE @ 0.30% RM=797.71 INV IN (15'-N)=793.85 INV OUT (15'-E)=793.85	STR. NO. 105 INSTALL TYPE 'J' INLET WITH NEENAH R-3287-10V CASTING OR AN APPROVED EQUAL AND ONE (1) CONCRETE PIPE END SECTION WITH ANIMAL GUARD AND 43 LFT OF 12" HDPE PIPE @ 2.82% RM=795.45 INV IN (18'-N)=792.23 INV OUT (18'-NE)=792.23
STR. NO. 91 INSTALL TYPE 'J' INLET WITH NEENAH R-3287-10V CASTING OR AN APPROVED EQUAL AND 92 LFT OF 15" HDPE PIPE @ 0.34% RM=798.02 INV OUT (15'-N)=794.14	STR. NO. 98 INSTALL MODIFIED TYPE 'C' MANHOLE FOR WATER QUALITY DIVERSION STRUCTURE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 14 LFT OF 24" HDPE PIPE @ 1.93% RM=797.91 INV IN (24'-N)=792.26 INV OUT (18'-E)=792.26	STR. NO. 106 INSTALL TYPE 'C' MANHOLE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND ONE (1) CONCRETE HEADWALL WITH ANIMAL GUARD AND 92 LFT OF 18" HDPE PIPE @ 1.33% RM=797.46 INV IN (18'-W)=792.23 INV OUT (18'-NE)=792.23

STORM CULVERT DATA TABLE
STR. DATA CULVERT
STR. NO. 104 INSTALL ONE (1) CONCRETE END SECTION AND ONE (1) CONCRETE HEADWALL WITH ANIMAL GUARDS AND 35 LFT OF 15" HDPE PIPE @ 0.43% WITH CHECKMATE ULTRAFLEX INLINE CHECK VALVE U.S. EL.=789.50 D.S. EL.=789.35

EXISTING STORM SEWER STRUCTURE TABLE
STR. DATA
STR. NO. 82 EXISTING STORM INLET ADJUST CASTING TO GRADE (EX. RM=802.00) PROP. RM=802.79 EX. INV IN (6'-NW)=795.72 EX. INV OUT (12'-S)=795.63
STR. NO. 83 RECONSTRUCT EXISTING STORM MANHOLE TO GRADE (EX. RM=803.53) PROP. RM=802.85 EX. INV IN (24'-W)=794.17 EX. INV IN (15'-N)=794.10 EX. INV OUT (24'-E)=794.10 EX. INV OUT (15'-N)=794.17
STR. NO. 84 EXISTING AQUA-SWIRL RECONSTRUCT TO GRADE (EX. RM=803.37) PROP. RM=802.99 EX. INV IN (15'-S)=794.13 EX. INV OUT (15'-S)=794.13
STR. NO. 128 MECHANICALLY CORE EXISTING NYLOPLAST DRAIN BASIN AND CONNECT 4" UNDERDRAINS FROM LONG JUMP PIT USING ADD-A-BRANCH ADAPTERS (EX. RM=801.61) PROP. RM=801.61 EX. INV IN (4'-E)=797.70 EX. INV IN (4'-W)=797.70 EX. INV OUT (12'-S)=797.70

UTILITIES NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND PROVIDING ALL NECESSARY FLAGMAN, BARRELS, SIGNAGE, ETC. DURING CONSTRUCTION. ALL APPLICABLE M.U.T.C.D. STANDARDS SHALL GOVERN THIS WORK.
- CONTRACTOR SHALL REFER TO THE ELECTRICAL SITE PLAN PREPARED BY PRIMARY ENGINEERING, INC. FOR PARKING LOT LIGHTING AND SPECIFICATIONS.
- ALL STORM SEWER CASTINGS SHALL BE NPDES PHASE II COMPLIANT. CASTINGS SHALL BE MANUFACTURED WITH A STATEMENT SAYING: "DUMP NO WASTE, DRAINS TO RIVER" IN 1/2" RAISED LETTERS.
- ALL FIELD TILES DISTURBED DURING CONSTRUCTION MUST BE REPAIRED/CONNECTED TO NEW STORMWATER FACILITIES.
- EXISTING UTILITY SIZE AND MATERIAL INFORMATION SHOWN ON THESE PLANS ARE PER THE BEST GRAPHICAL AND VISIBLE INFORMATION AVAILABLE. CONFLICTS MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL SIZING AND MATERIAL INFORMATION PROVIDED. IF ACTUAL CONDITIONS DIFFER FROM THAT INFORMATION SHOWN ON THE PLANS, THE CONTRACTOR SHALL, PRIOR TO THE INSTALLATION OF ANY PROPOSED INFRASTRUCTURE, NOTIFY THE DESIGN ENGINEER IMMEDIATELY.



MATCH LINE - SEE SHEET 403

CROSSROAD ENGINEERS, PC
Professional Engineers
115 N. W. 10th Ave. Suite 400, Fort Lauderdale, FL 33304
Tel: 954.578.1111
Fax: 954.578.1112
www.crossroadeng.com

UTILITY PLAN

WHITELAND HIGH SCHOOL PHASE 2A

DESIGNED	DMS	DATE	APRIL 02, 2024
CHECKED	TEN	APPROVED	
DRAWN	KLF	DATE	
JOBS NO.		DATE	

NO.	1	2	3	4	5	6	7	8	9
REVISIONS	DATE	BY	DMS	GJ	GJ	GJ	GJ	GJ	GJ
REVISIONS PER ADDENDUM NO. 1	04.23.24								
REVISIONS PER ADDENDUM NO. 2	05.02.24								

9

8

7

6

5

4

3

2

1

NO.

402

SHEET

MATCH LINE - SEE SHEET 402

ZONE
"X"

CONTRACTOR SHALL PRESERVE AND PROTECT EXISTING FIBER OPTIC PEDESTAL AND LINES

INSTALL 103 LFT OF SCHEDULE 40 PVC CONDUIT FOR FUTURE FIBER OPTIC RELOCATION. CONFIRM DIAMETER AND QUANTITY WITH MEP PRIOR TO CONSTRUCTION. CONTRACTOR SHALL INSTALL TEMPORARY WATER TIGHT PLUGS AT BOTH ENDS OF ALL CONDUITS RUNS INSTALLED FOR FUTURE USE.

WEST LINE SW 1/4, SEC. 22, T13N, R6E

EAST LINE SW 1/4, SEC. 21, T13N, R6E

Str. No. 111
Str. No. 110
Str. No. 109

Str. No. 108

BREWERS TILE (PER LEGAL DESCRIPTION)

Str. No. 117

Str. No. 118

Str. No. 115

Str. No. 116

Str. No. 114

Str. No. 113

EX. FIRE DEPARTMENT CONNECTION TO REMAIN

EX. FIRE HYDRANT TO REMAIN

CONTRACTOR SHALL RELOCATE EXISTING ELECTRICAL BOX

GAS EASEMENT INDIANA GAS COMPANY, INC. BK 229, PG 741

GAS EASEMENT INDIANA GAS COMPANY, INC. BK 221, PG 814

EXISTING HIGH SCHOOL

FLOODPLAIN ZONE "AE"

EX. FIRE HYDRANT TO REMAIN

75' LEGAL DRAIN EASEMENT

Str. No. 120
Str. No. 121
Str. No. 123

Str. No. 119
Str. No. 122
Str. No. 124

EX. FIRE HYDRANT TO REMAIN

GAS EASEMENT INDIANA GAS COMPANY, INC. BK 229, PG 741

APPROX. FLOODWAY LIMITS

APPROX. FLOODWAY LIMITS

FLOODPLAIN ZONE "AE"

CONTRACTOR SHALL COORDINATE WITH SKILLMAN CORPORATION FOR SEQUENCING OF PROPOSED IMPROVEMENTS ADJACENT TO EXISTING JV BASEBALL FIELD. CONTRACTOR SHALL PRESERVE AND PROTECT THE EXISTING BASEBALL FIELD INCLUDING DUGOUTS, FENCES, UTILITIES, AND SCOREBOARD UNTIL WRITTEN APPROVAL TO REMOVE IS PROVIDED BY THE OWNER.

EXISTING HIGH SCHOOL

Str. No. 126
Str. No. 125

Str. No. 127

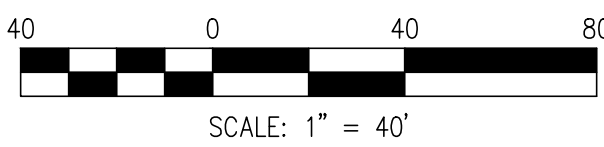
FLOODPLAIN ZONE "AE"

UTILITIES NOTES	
1.	CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND PROVIDING ALL NECESSARY FLAGMAN, BARRELS, SIGNAGE, ETC. DURING CONSTRUCTION. ALL APPLICABLE M.U.T.C.D. STANDARDS SHALL GOVERN THIS WORK.
2.	CONTRACTOR SHALL REFER TO THE ELECTRICAL SITE PLAN PREPARED BY PRIMARY ENGINEERING, INC. FOR PARKING LOT LIGHTING AND SPECIFICATIONS.
3.	ALL STORM SEWER CASTINGS SHALL BE NPDES PHASE II COMPLIANT. CASTINGS SHALL BE MANUFACTURED WITH A STATEMENT SAYING: "DUMP NO WASTE, DRAINS TO RIVER" IN 1/2" RAISED LETTERS.
4.	ALL FIELD TILES DISTURBED DURING CONSTRUCTION MUST BE REPAIRED/CONNECTED TO NEW STORMWATER FACILITIES.
5.	EXISTING UTILITY SIZE AND MATERIAL INFORMATION SHOWN ON THESE PLANS ARE PER THE BEST GRAPHICAL AND VISIBLE INFORMATION AVAILABLE. CONFLICTS MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL SIZING AND MATERIAL INFORMATION PROVIDED. IF ACTUAL CONDITIONS DIFFER FROM THAT INFORMATION SHOWN ON THE PLANS, THE CONTRACTOR SHALL, PRIOR TO THE INSTALLATION OF ANY PROPOSED INFRASTRUCTURE, NOTIFY THE DESIGN ENGINEER IMMEDIATELY.

UTILITIES NOTES

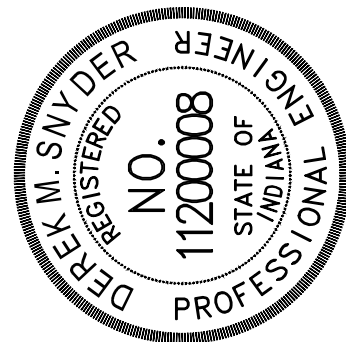
1. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND PROVIDING ALL NECESSARY FLAGMAN, BARRELS, SIGNAGE, ETC. DURING CONSTRUCTION. ALL APPLICABLE M.U.T.C.D. STANDARDS SHALL COVER THIS WORK.
2. CONTRACTOR SHALL BE RESPONSIBLE TO CONSULT THE UTILITY LOCATING SERVICE PLAN PREPARED BY PRIMARY ENGINEERING, INC. FOR PARKING LOT LIGHTING AND SPECIFICATIONS.
3. ALL STORM SEWER CASTINGS SHALL BE NPDES PHASE II COMPLIANT. CASTINGS SHALL BE MANUFACTURED WITH A STATEMENT SAYING: "DUMP NO WASTE, DRAINS TO RIVER" IN 12" RAISED LETTERS.
4. ALL FIELD LIES DISTURBED DURING CONSTRUCTION MUST BE REPAIRED/CONNECTED TO NEAR STORMWATER FACILITY.
5. ALL FIELD LIES AND MATERIAL INFORMATION SHOWN ON THESE PLANS ARE PER THE BEST GRAPHICAL AND VISIBLE INFORMATION AVAILABLE. CONFLICTS MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL SIZING AND MATERIAL INFORMATION PROVIDED. IF ANY DISCREPANCY OR OTHER INFORMATION SHOWN ON THE PLANS, THE CONTRACTOR SHALL, PRIOR TO THE INSTALLATION OF ANY PROPOSED INFRASTRUCTURE, NOTIFY THE DESIGN ENGINEER IMMEDIATELY.

PROPOSED LEGEND	EXISTING LEGEND
EASEMENT LINE	POWERPOLE
PERMANENT FENCE LINE	POWERPOLE W/RISE
DITCH LINE	POWERPOLE W/LIGHT
SANITARY SEWER WITH MANHOLE	LIGHT POLE
SANITARY SEWER LATERAL WITH CLEANOUT	ELECTRIC METER
STORM SEWER W/MANHOLE & END SECTION	ELECTRIC BOX
ELECTRIC LINE	YARD LIGHT
WATER FIRE LINE	GUY WIRE
WATER SERVICE LINE	TRANSFORMER
FIBER OPTIC CONDUIT	TELEPHONE MANHOLE
STORM MANHOLES	TELEPHONE RISER
STORM INLETS	FIBER OPTIC BOX
AQUA-SWIRL UNITS	WATER VALVE
CURB STOP	FIRE HYDRANT
WATER METER	IRRIGATION VALVE
TAPPING SLEEVE	FIRE WATER
45° BEND	GAS VALVE
22.5° BEND	GAS METER
11.25° BEND	CABLE TV RISER
FIRE HYDRANT	CLEANOUT
WATER VALVE	SIGN
ELECTRIC TRANSFORMER	MAILBOX
HAND HOLE	A/C UNIT
PERMANENT CONSTRUCTION FENCE WITH SCREENING ON DRIVEN POSTS	FLAG POLE
TEMPORARY CONSTRUCTION FENCE ON STANDS WITH SAND BAGS	STORM ROUND INLET
	RIGHT-OF-WAY MARKER
	TREE, BUSH & STUMP
	TEMP. BENCHMARK
	STORM CURB INLET
	STORM SQUARE INLET
	ASPHALT
	BUILDING
	CONCRETE
	GRAVEL
	CONTOURS
	PROPERTY LINE
	SECTION LINE
	RIGHT-OF-WAY
	EASEMENT
	ADJOINER LINE
	PAVEMENT LINE
	PRIVACY FENCE
	CHAINLINK FENCE
	WIRE FENCE
	DITCH
	GAS LINE
	TELEPHONE LINE
	WATER LINE
	FIRE SUPPRESSION LINE
	FIBER OPTIC LINE
	CABLE TV LINE
	ELECTRIC LINE
	OVERHEAD UTILITY LINE
	TREE LINE
	SANITARY SEWER W/MANHOLE
	STORM SEWER W/ MANHOLE & END SECTION



STORM SEWER STRUCTURE TABLE	STORM SEWER STRUCTURE TABLE	STORM SEWER STRUCTURE TABLE	STORM SEWER STRUCTURE TABLE
STR. DATA	STR. DATA	STR. DATA	STR. DATA
STR. NO. 107	STR. NO. 113	STR. NO. 119	STR. NO. 125
INSTALL TYPE 'J' INLET WITH NEENAH R-3267-10V CASTING OR AN APPROVED EQUAL AND 59 LFT OF 12" HDPE PIPE @ 0.43% RIM=790.20 INV OUT (12'-SW)=791.60	INSTALL TYPE 'J' MANHOLE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 59 LFT OF 18" HDPE PIPE @ 0.64% RIM=798.00 INV IN (15'-SE)=791.51 INV OUT (18'-N)=791.26	INSTALL TYPE 'J' INLET WITH NEENAH R-3267-10V CASTING OR AN APPROVED EQUAL AND 42 LFT OF 12" HDPE PIPE @ 1.54% RIM=796.63 INV OUT (12'-W)=793.00	INSTALL MODIFIED TYPE 'J' MANHOLE FOR OUTLET CASTING STRUCTURE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND CHECKMATE ULTRAFLEX INLINE CHECK VALVE AND 8 LFT OF 12" HDPE PIPE @ 0.75% RIM=797.26 INV IN (18'-N)=791.10 INV IN (18'-E)=791.10 INV IN (6'-SE)=789.45 INV IN (6'-NW)=789.45 INV OUT (12'-SW)=789.45
STR. NO. 108	STR. NO. 114	STR. NO. 120	STR. NO. 126
INSTALL TEMPORARY METAL PIPE END SECTION WITH ANNUAL GUARD AND 55 LFT OF 12" HDPE PIPE @ 0.45% INV OUT (12'-NE)=793.25	INSTALL TYPE 'J' MANHOLE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 25 LFT OF 24" HDPE PIPE @ 0.77% RIM=799.50 INV IN (18'-W)=790.88 INV IN (24'-NW)=790.60 INV OUT (24'-E)=790.50	INSTALL TYPE 'J' MANHOLE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 6 LFT OF 24" HDPE PIPE @ 0.83% RIM=798.45 INV IN (12'-E)=792.36 INV OUT (24'-S)=791.36	INSTALL DOGHOUSE TYPE 'J' MANHOLE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL RIM=797.02 INV IN (12'-NE)=789.39 INV IN (24'-N)=789.30 INV OUT (24'-S)=789.30
STR. NO. 109	STR. NO. 115	STR. NO. 121	STR. NO. 127
INSTALL TYPE 'C' MANHOLE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 12 LFT OF 12" HDPE PIPE @ 0.86% RIM=797.22 INV IN (12'-SW)=793.00 INV IN (12'-NE)=791.35 INV OUT (12'-E)=790.24	INSTALL MODIFIED TYPE 'C' MANHOLE FOR WATER QUALITY DIVERSION STRUCTURE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 22 LFT OF 24" HDPE PIPE @ 0.81% 10 LFT OF 15" HDPE PIPE @ 0.60% RIM=799.25 INV IN (24'-W)=790.31 INV IN (15'-SE)=790.19 INV OUT (24'-NW)=790.19 INV OUT (15'-SE)=790.31	INSTALL MODIFIED TYPE 'C' MANHOLE FOR WATER QUALITY DIVERSION STRUCTURE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 13 LFT OF 24" HDPE PIPE @ 1.25% 14 LFT OF 18" HDPE PIPE @ 0.82% RIM=798.27 INV IN (24'-N)=791.31 INV OUT (24'-N)=791.31 INV OUT (18'-E)=791.31	EXISTING STORM MANHOLE REMOVE EXISTING CASTING AND INSTALL NEENAH R-3405-A CASTING OR AN APPROVED EQUAL RIM=793.70 INV IN (24'-N)=788.94 INV IN (24'-W)=5.32 INV OUT (24'-S)=788.86
STR. NO. 110	STR. NO. 116	STR. NO. 122	NOTE: STR. NO. 110, 117, 123 AND 124 SHALL HAVE 24" SUMPS AND STR. NO. 118 AND 125 SHALL HAVE A 12" SUMP.
INSTALL MODIFIED TYPE 'J' MANHOLE FOR WATER QUALITY DIVERSION STRUCTURE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 4 LFT OF 24" HDPE PIPE @ 0.25% 8 LFT OF 12" HDPE PIPE @ 1.00% RIM=798.70 INV IN (12'-W)=790.14 INV IN (12'-NE)=792.00 INV IN (12'-N)=789.98 INV OUT (24'-S)=789.98 INV OUT (12'-N)=790.14	INSTALL PCS AQUA-SMRL AS-5 IN OFFLINE HORSESHOE CONFIGURATION AND 10 LFT OF 15" HDPE PIPE @ 0.60% RIM=790.50 INV IN (15'-W)=790.25 INV OUT (15'-NW)=790.25	INSTALL PCS AQUA-SMRL AS-7 IN OFFLINE CONFIGURATION AND 10 LFT OF 18" HDPE PIPE @ 0.83% RIM=798.12 INV IN (18'-W)=791.23 INV OUT (18'-S)=791.20	
STR. NO. 111	STR. NO. 117	STR. NO. 123	
INSTALL PCS AQUA-SMRL AS-4 IN OFFLINE HORSESHOE CONFIGURATION AND 8 LFT OF 12" HDPE PIPE @ 1.00% RIM=796.44 INV IN (12'-SW)=790.06 INV OUT (12'-S)=790.06	INSTALL TYPE 'J' MANHOLE FOR ISOLATOR ROW WQ BYPASS WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 4 LFT OF 24" HDPE PIPE @ 1.00% RIM=799.15 INV IN (24'-S)=790.01 INV IN (24'-E)=791.01 INV OUT (24'-N)=790.01	INSTALL TYPE 'J' MANHOLE FOR ISOLATOR ROW WQ BYPASS WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 4 LFT OF 24" HDPE PIPE @ 0.75% RIM=798.05 INV IN (24'-N)=791.15 INV IN (24'-E)=792.16 INV IN (24'-W)=792.16 INV OUT (24'-S)=791.15	
STR. NO. 112	STR. NO. 118	STR. NO. 124	
INSTALL TYPE 'J' INLET WITH NEENAH R-3267-10V CASTING OR AN APPROVED EQUAL AND 86 LFT OF 15" HDPE PIPE @ 0.30% RIM=795.65 INV OUT (15'-NW)=791.77	INSTALL MODIFIED TYPE 'J' MANHOLE FOR OUTLET CONTROL STRUCTURE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL, CHECKMATE ULTRAFLEX INLINE CHECK VALVE, AND ONE (1) CONCRETE HEADWALL WITH ANNUAL GUARD AND 50 LFT OF 15" HDPE PIPE @ 0.40% RIM=796.68 INV IN (24'-N)=789.97 INV IN (6'-SW)=787.78 INV IN (6'-NE)=787.80 INV IN (24'-W)=789.97 INV OUT (15'-E)=787.80	INSTALL TYPE 'J' MANHOLE FOR ISOLATOR ROW WQ BYPASS WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 4 LFT OF 24" HDPE PIPE @ 0.75% RIM=797.64 INV IN (18'-N)=791.15 INV IN (24'-W)=792.16 INV OUT (24'-S)=791.15	

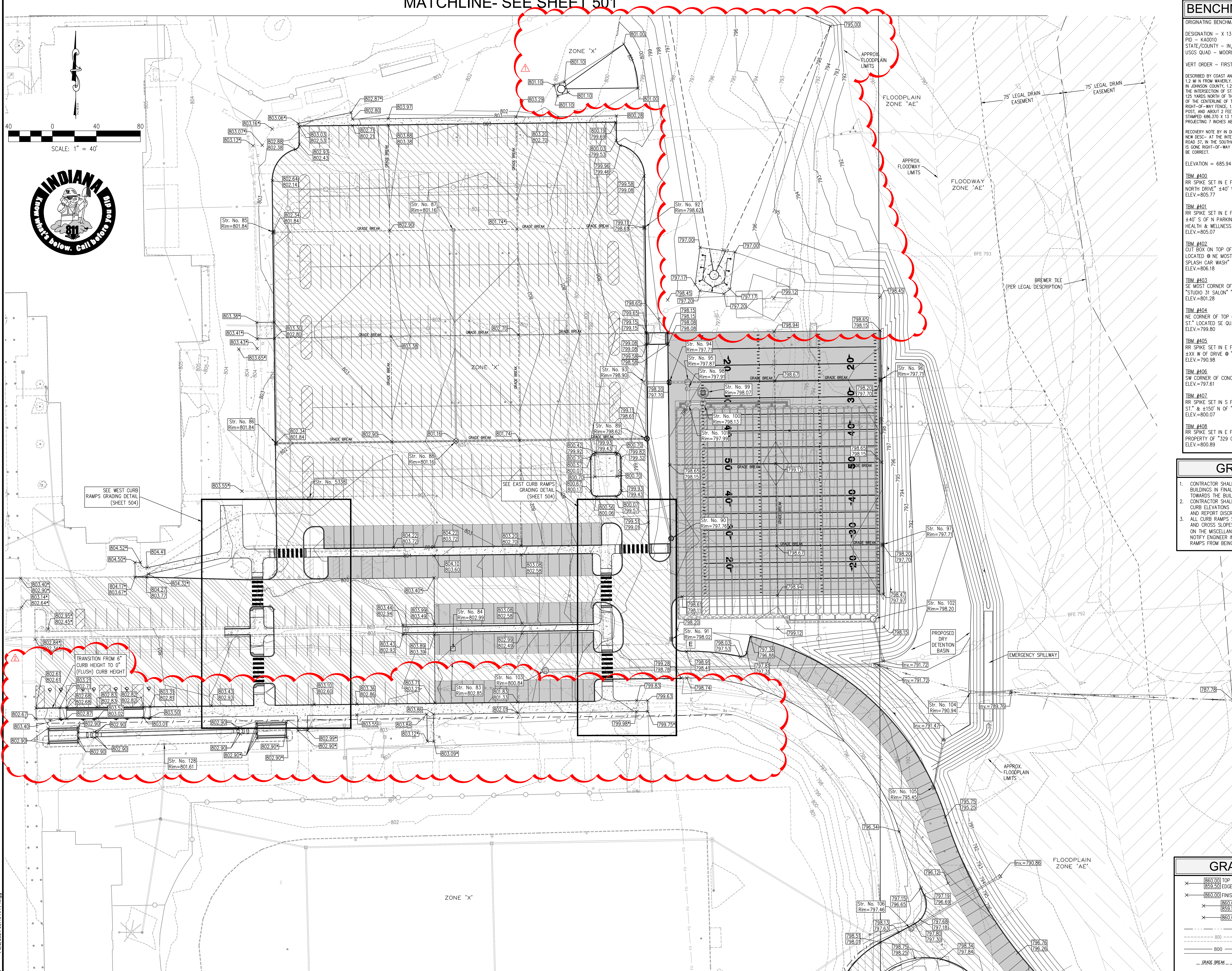
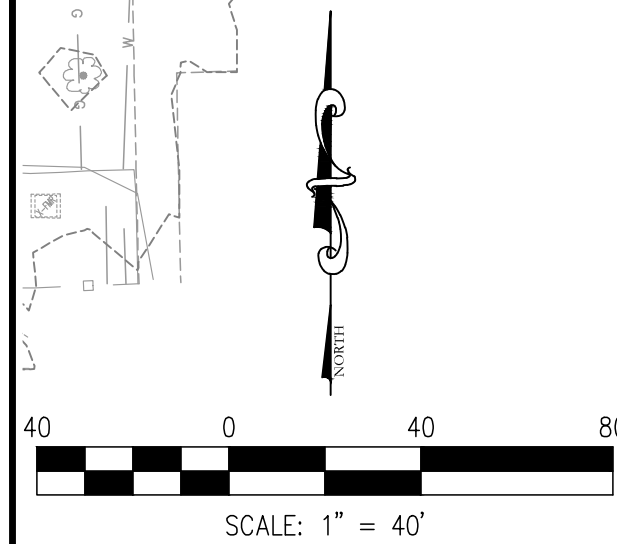
WHITELAND HIGH SCHOOL PHASE 2A



Dr. M. Singh

SHEET		403	
9			
8			
7			
6			
5			
4			
3			
2	05.02.24	REVISIONS PER ADDENDUM NO. 2 AND TOWN OF WHITELAND AND JOHNSON COUNTY SURVEYOR'S OFFICE PLAN REVIEW	DMS
1	04.23.24	REVISIONS PER ADDENDUM NO. 1	DMS
NO.	DATE	REVISIONS	BY
			APPR.

MATCHLINE- SEE SHEET 501



BENCHMARK INFORMATION

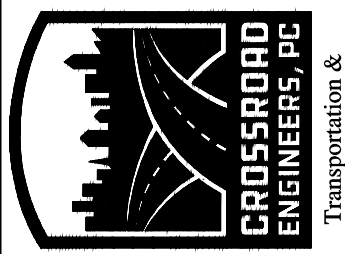
ORIGINATING BENCHMARK
DESIGNATION - X 13
PID - KA0010
STATE/COUNTY - IN/MORGAN
USGS QUAD - MOORESVILLE EAST (1980)
VERT ORDER - FIRST CLASS II
DESCRIBED BY COAST AND GEODETIC SURVEY 1946
1.2 MI N FROM WAYERLY
IN JOHNSON COUNTY, 1.2 MILES NORTH ALONG STATE HIGHWAY 37 FROM
THE INTERSECTION OF STATE HIGHWAY 144 AT WAYERLY, JOHNSON COUNTY,
125 YARDS NORTH OF THE MORGAN-JOHNSON COUNTY LINE, 26 FEET WEST
OF THE CENTERLINE OF THE HIGHWAY, IN LINE WITH THE WEST
RIGHT-OF-WAY FENCE, 1.5 FEET SOUTH OF A WHITE WOODEN WITNESS
POST, AND ABOUT 2 FEET HIGHER THAN THE HIGHWAY. A STANDARD DISK,
STAMPED 48x30 X 13 1500 AND SET IN THE TOP OF A CONCRETE POST
PROJECTING 7 INCHES ABOVE GROUND.
RECOVERY NOTE BY IN DEPT OF NAT RES 1985
NEW DESC - AT THE INTERSECTION OF NEW STATE ROAD 144 AND OLD STATE
ROAD 37, IN THE SOUTHWEST QUARTER OF THE INTERSECTION, WITNESS POST
IS GONE RIGHT-OF-WAY FENCE IS GONE, ALL OTHER INFORMATION APPEARS TO
BE CORRECT.
ELEVATION = 685.94 (NAVD 88)
TBM #400
RR SPIKE SET IN E FACE OF PP#P21063" LOCATED ±180' N OF "TRACT
NORTH DRIVE" ±40' WEST OF "SAINT CHARLES WAY"
ELEV.=805.77
TBM #401
RR SPIKE SET IN E FACE OF PP#P21042" LOCATED ±6' W OF "TRACY ST."
±40' S OF N PARKING LOT ENTRANCE @ "CLARK PLEASANT EMPLOYEE
HEALTH & WELLNESS CENTER"
ELEV.=805.07
TBM #402
CUT BOX ON TOP OF CONC PEDESTAL FOR UP ON N EDGE OF CONC.
LOCATED @ NE MOST CORNER OF PARKING LOT FOR "199 US-31 "BIG
SPLASH CAR WASH"
ELEV.=806.18
TBM #403
SE MOST CORNER OF BOTTOM CONC STEP LOCATED @ SE CORNER OF
"STUDIO 31 SALON" "43 N. US-31" ON E FACE OF BUILDING.
ELEV.=801.28
TBM #404
NE CORNER OF TOP CONC STEP CONNECTED TO LEAD WALK @ "239 E MAIN
ST." LOCATED SE QUAD OF "E MAIN ST." & "TIOCHENOR LN."
ELEV.=799.80
TBM #405
RR SPIKE SET IN E FACE POWERPOLE, LOCATED ±5' S OF "E MAIN ST." &
±XX W OF DRIVE @ "399 E MAIN ST."
ELEV.=790.98
TBM #406
SW CORNER OF CONC PORCH @ "49 CENTER ST."
ELEV.=797.61
TBM #407
RR SPIKE SET IN S FACE OF PP# "P22C73". LOCATED ±5' E OF "CENTER
ST." & ±150' N OF "CLEM ST."
ELEV.=800.07
TBM #408
RR SPIKE SET IN E FACE OF POWER POLE. LOCATED @ SW CORNER OF
PROPERTY OF "329 CHRISTINA DR."
ELEV.=800.89

GRADING NOTES

- CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS IN FINAL GRADING OF SITE. NO INSTANCE SHALL DRAINAGE TOWARDS THE BUILDING FOUNDATION BE ALLOWED.
- CONTRACTOR SHALL FIELD VERIFY EXISTING PAVEMENT, SIDEWALK, AND CURB ELEVATIONS AT ALL TIE IN LOCATIONS PRIOR TO CONSTRUCTION AND REPORT DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
- ALL CURB RAMPS SHALL BE A.D.A. COMPLIANT AND THE LONGITUDINAL AND CROSS SLOPES SHALL NOT EXCEED THE MAXIMUM SLOPES IDENTIFIED ON THE MISCELLANEOUS DETAILS (SEE SHEET 1000). CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY IF FIELD CONDITIONS PREVENT CURB RAMPS FROM BEING CONSTRUCTED WITHOUT EXCEEDING MAXIMUM SLOPES.

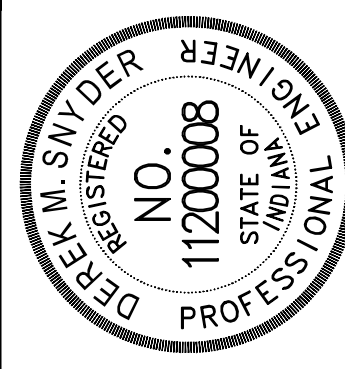
GRADING LEGEND

- | | | |
|----------|--|------------------------|
| ✕ 860.00 | TOP OF CURB | PROPOSED ELEVATIONS |
| ✕ 859.50 | EDGE OF PAVEMENT | PROPOSED ELEVATIONS |
| ✕ 860.00 | FINISH GRADE | (TO BE FIELD VERIFIED) |
| ✕ 860.00 | | PROPOSED ELEVATIONS |
| ✕ 860.00 | | |
| --- | PROPOSED DRAINAGE SWALE | |
| --- | EXISTING CONTOURS | |
| --- | PROPOSED CONTOURS | |
| --- | GRADE BREAK | |
| --- | CURB HEIGHT TO TAPER FROM 0.5' TO 0.0' IN 6' FT. | |



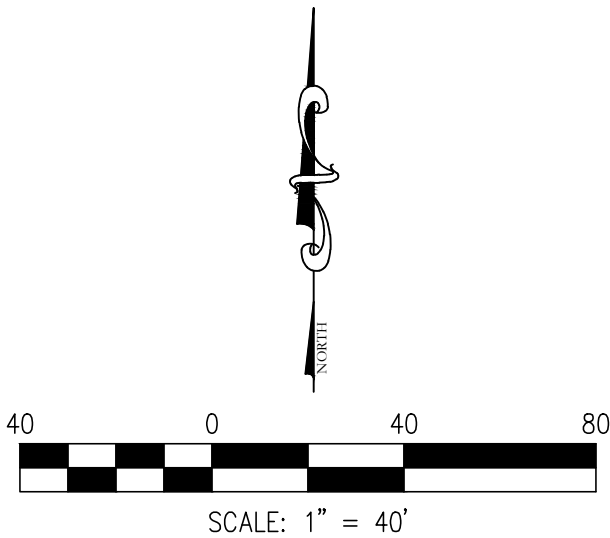
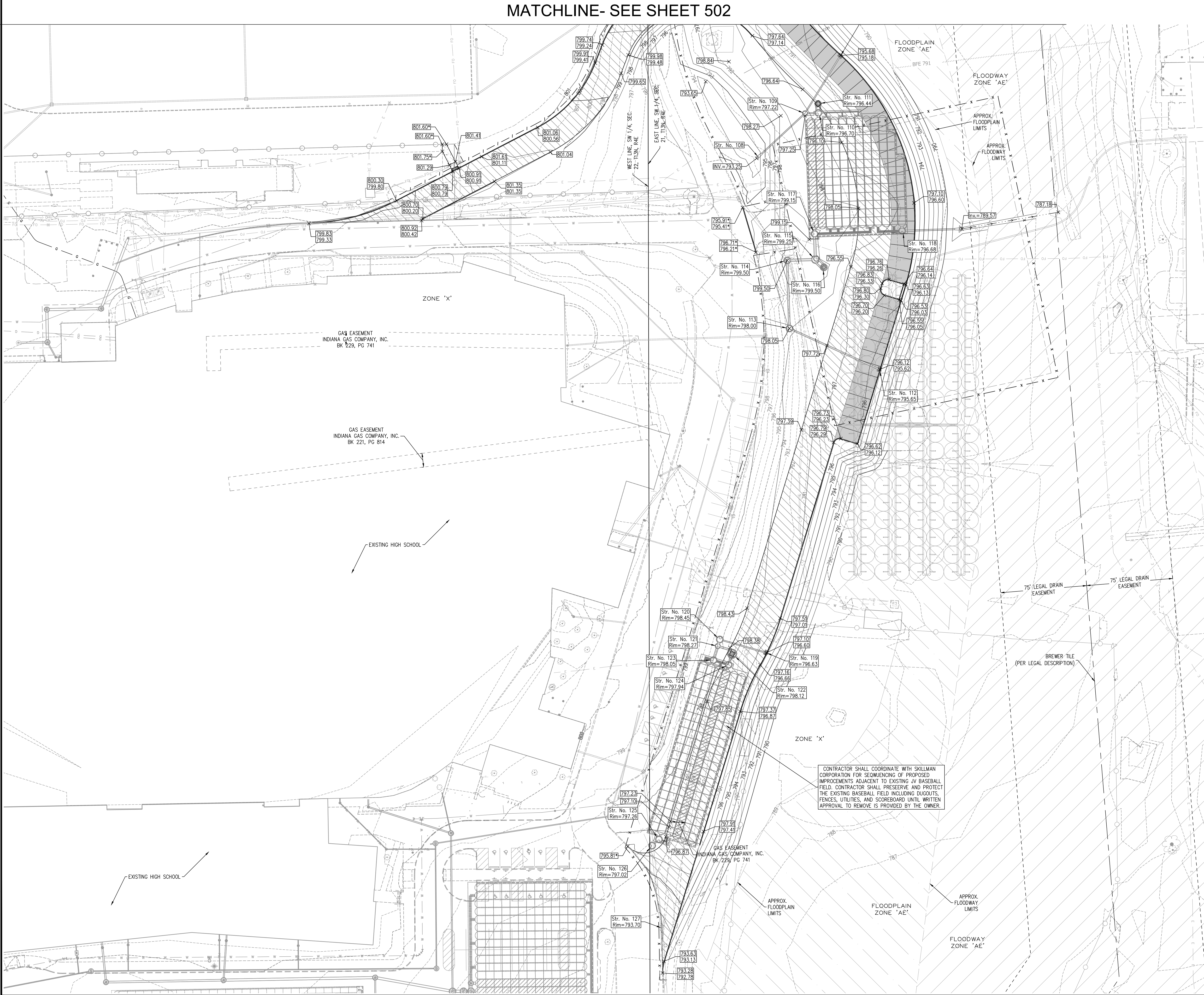
GRADING PLAN

WHITELAND HIGH SCHOOL PHASE 2A



NO.	DATE	BY	APPR.	DMS	GJ
1	04.23.24				
2	05.02.24				
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9					

DIRECTORY PATH : R:\Active\Unclassified\Whiteland High School\Design\CAD\Plans\PHASE 2
DATE/USER : 5/2/2024 2:12 PM / J. Dwyer



BENCHMARK INFORMATION

ORIGINATING BENCHMARK
DESIGNATION - X 13
PID - KA0010
STATE/COUNTY - IN/MORGAN
USGS QUAD - MOORESVILLE EAST (1980)
VERT ORDER - FIRST CLASS II

DESCRIBED BY COAST AND GEODETIC SURVEY 1946
1.2 MI N FROM WAVERLY,
IN JOHNSON COUNTY, 1.2 MILES NORTH ALONG STATE HIGHWAY 37 FROM
THE INTERSECTION OF STATE HIGHWAY 144 AT WAVERLY, MORGAN COUNTY,
125 YARDS NORTH OF THE MORGAN-JOHNSON COUNTY LINE, 26 FEET WEST
OF THE CENTERLINE OF THE HIGHWAY, IN LINE WITH THE WEST
RIGHT-OF-WAY FENCE, 1.5 FEET SOUTH OF A WHITE WOODEN WITNESS
POST, AND ABOUT 2 FEET HIGHER THAN THE HIGHWAY. A STANDARD DISK,
STAMPED 68x30 X 13 1930 AND SET IN THE TOP OF A CONCRETE POST
PROJECTING 7 INCHES ABOVE GROUND.

RECOVERY NOTE BY IN DEPT OF NAT RES 1985
NEW DESC- AT THE INTERSECTION OF NEW STATE ROAD 144 AND OLD STATE
ROAD 37, IN THE SOUTHWEST QUARTER OF THE INTERSECTION, WITNESS POST IS
GONE RIGHT-OF-WAY FENCE IS DONE, ALL OTHER INFORMATION APPEARS TO
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ELEVATION = 685.94 (NAVD 88)

TBM #400
RR SPIKE SET IN E FACE OF PP#P21063" LOCATED ±180' N OF "TRACT
NORTH DRIVE" ±40' WEST OF "SAINT CHARLES WAY"
ELEV.=805.77

TBM #401
RR SPIKE SET IN E FACE OF PP#P21042" LOCATED ±6' W OF "TRACY ST."
±40' S OF N PARKING LOT ENTRANCE @ "CLARK PLEASANT EMPLOYEE
HEALTH & WELLNESS CENTER"
ELEV.=805.07

TBM #402
CUT BOX ON TOP OF CONC PEDESTAL FOR UP ON N EDGE OF CONC.
LOCATED @ NE MOST CORNER OF PARKING LOT FOR "199 US-31" "BIG
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ELEV.=806.18

TBM #403
SE MOST CORNER OF BOTTOM CONC STEP LOCATED @ SE CORNER OF
"STUDIO 31 SALON" "43 N. US-31" ON E FACE OF BUILDING.
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NE CORNER OF TOP CONC STEP CONNECTED TO LEAD WALK @ "239 E MAIN
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±XX W OF DRIVE @ "399 E MAIN ST."
ELEV.=790.98

TBM #406
SW CORNER OF CONC PORCH @ "49 CENTER ST."
ELEV.=797.61

TBM #407
RR SPIKE SET IN S FACE OF PP# "P22073". LOCATED ±5' E OF "CENTER
ST." & ±150' N OF "OLEM ST."
ELEV.=800.07

TBM #408
RR SPIKE SET IN E FACE OF POWER POLE, LOCATED @ SW CORNER OF
PROPERTY OF "329 CHRISTINA DR."
ELEV.=800.89

GRADING NOTES

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2. CONTRACTOR SHALL FIELD VERIFY EXISTING PAVEMENT, SIDEWALK, AND CURB ELEVATIONS AT ALL TIE IN LOCATIONS PRIOR TO CONSTRUCTION AND REPORT DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
3. ALL CURB RAMPS SHALL BE A.D.A. COMPLIANT AND THE LONGITUDINAL AND CROSS SLOPES SHALL NOT EXCEED THE MAXIMUM SLOPES IDENTIFIED ON THE MISCELLANEOUS DETAILS (SEE SHEET 1000). CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY IF FIELD CONDITIONS PREVENT CURB RAMPS FROM BEING CONSTRUCTED WITHOUT EXCEEDING MAXIMUM SLOPES.

GRADING LEGEND

× 860.00 TOP OF CURB	PROPOSED ELEVATIONS
× 859.50 EDGE OF PAVEMENT	
× 860.00 FINISH GRADE	
× 860.00 *	PROPOSED ELEVATIONS
× 859.50 *	(TO BE FIELD VERIFIED)
× 860.00 *	
----- 800 -----	PROPOSED DRAINAGE SWALE
----- 800 -----	EXISTING CONTOURS
----- 800 -----	PROPOSED CONTOURS
--- GRADE BREAK ---	GRADE BREAK
--- GRADE BREAK ---	CURB HEIGHT TO TAPER FROM 0.5' TO 0.0' IN 6 LFT.



503

SHEET

GRADING PLAN

WHITELAND HIGH SCHOOL PHASE 2A

JOB NO.	DRAWN	CHECKED	TEN	APPR.	GJ
DATE	APRIL 02, 2024	DESIGNED	DMS		

DEREK M. SWYDER

REGISTERED ENGINEER

NO. 1120008

STATE OF INDIANA

PROFESSIONAL

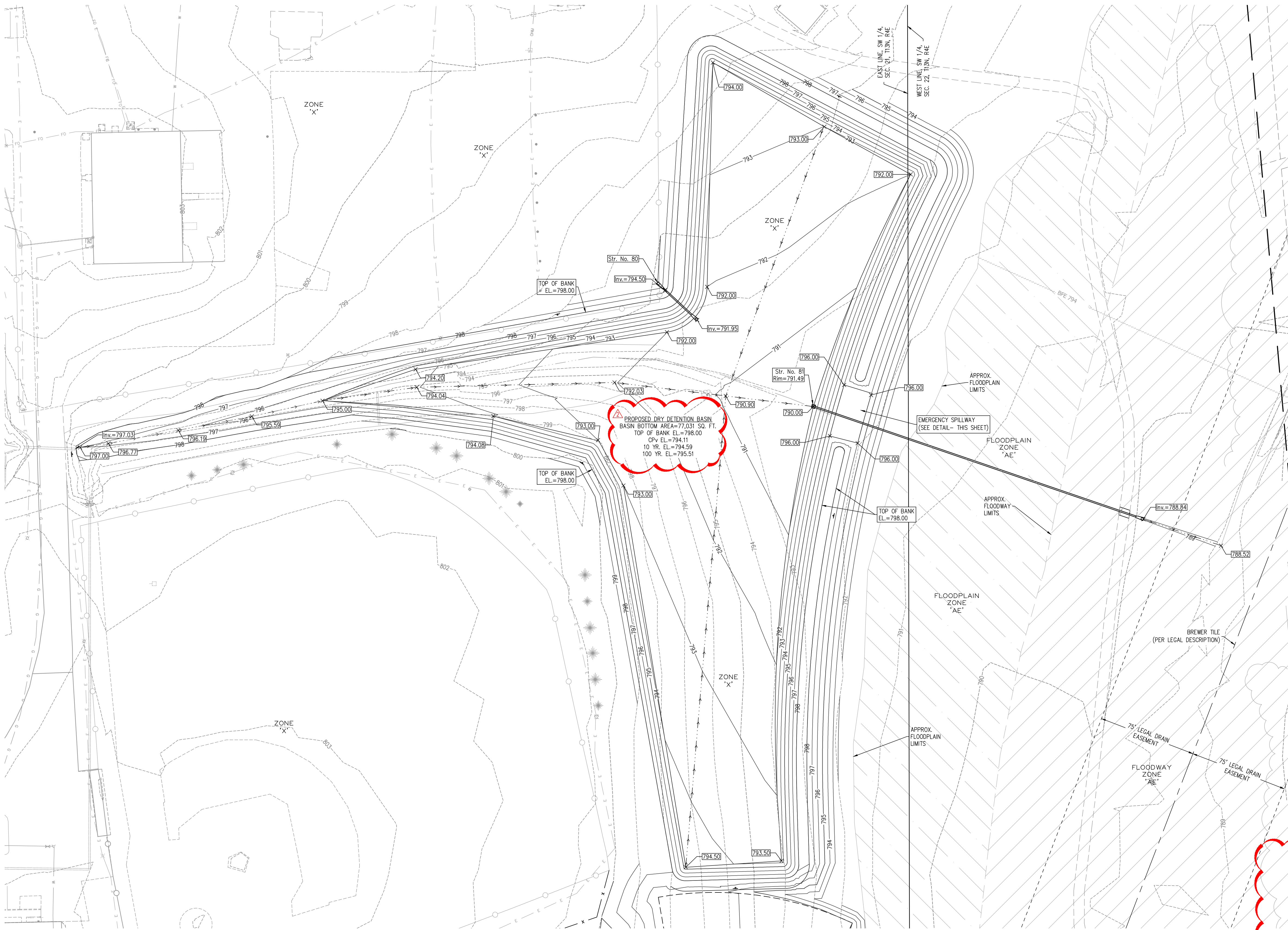
Derek M. Swyder

NO.	DATE	REVISIONS	BY	APPR.
9				
8				
7				
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4				
3				
2	05.02.24	REVISIONS PER ADDENDUM NO. 2 AND TOWN OF WHITELAND AND JOHNSON COUNTY SURVEYOR'S OFFICE PLAN REVIEW	DMS	GJ
1	04.23.24	REVISIONS PER ADDENDUM NO. 1	DMS	GJ

SHEET

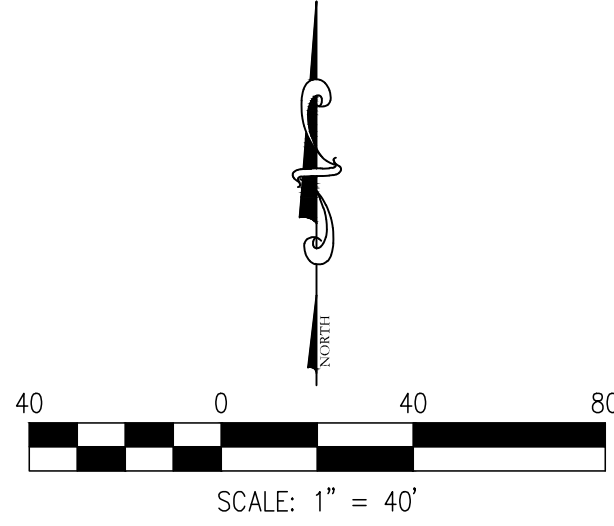
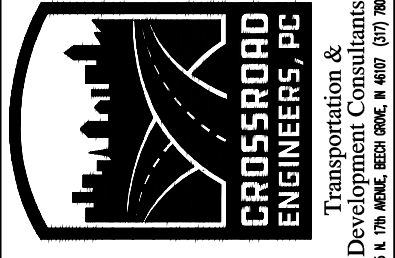
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DATE USER : 5/2/2024 11:50 AM / KJG



ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY STATE, CITY OR COUNTY OFFICIALS.

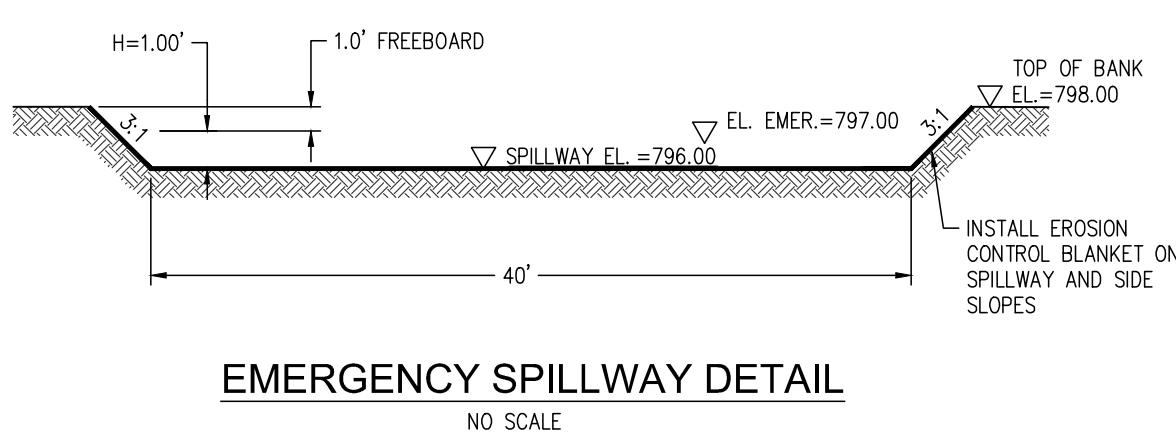
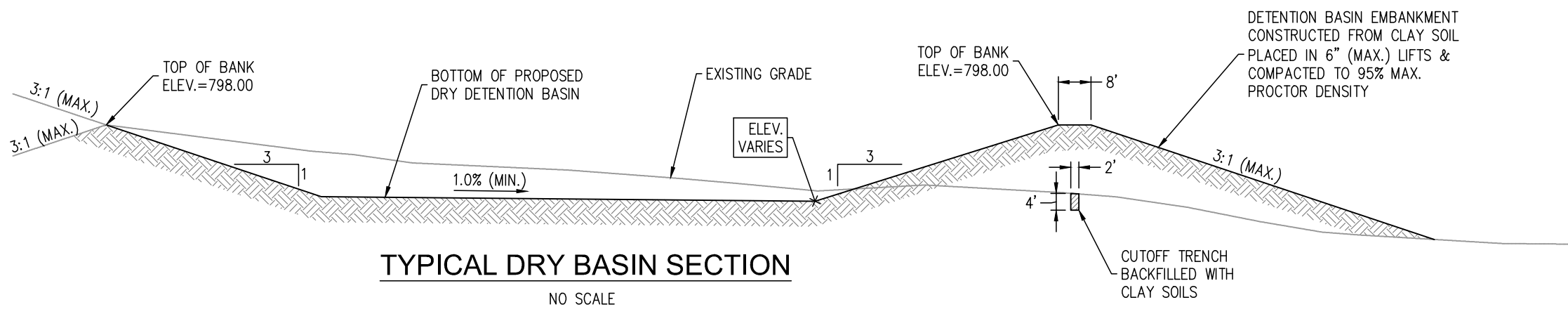
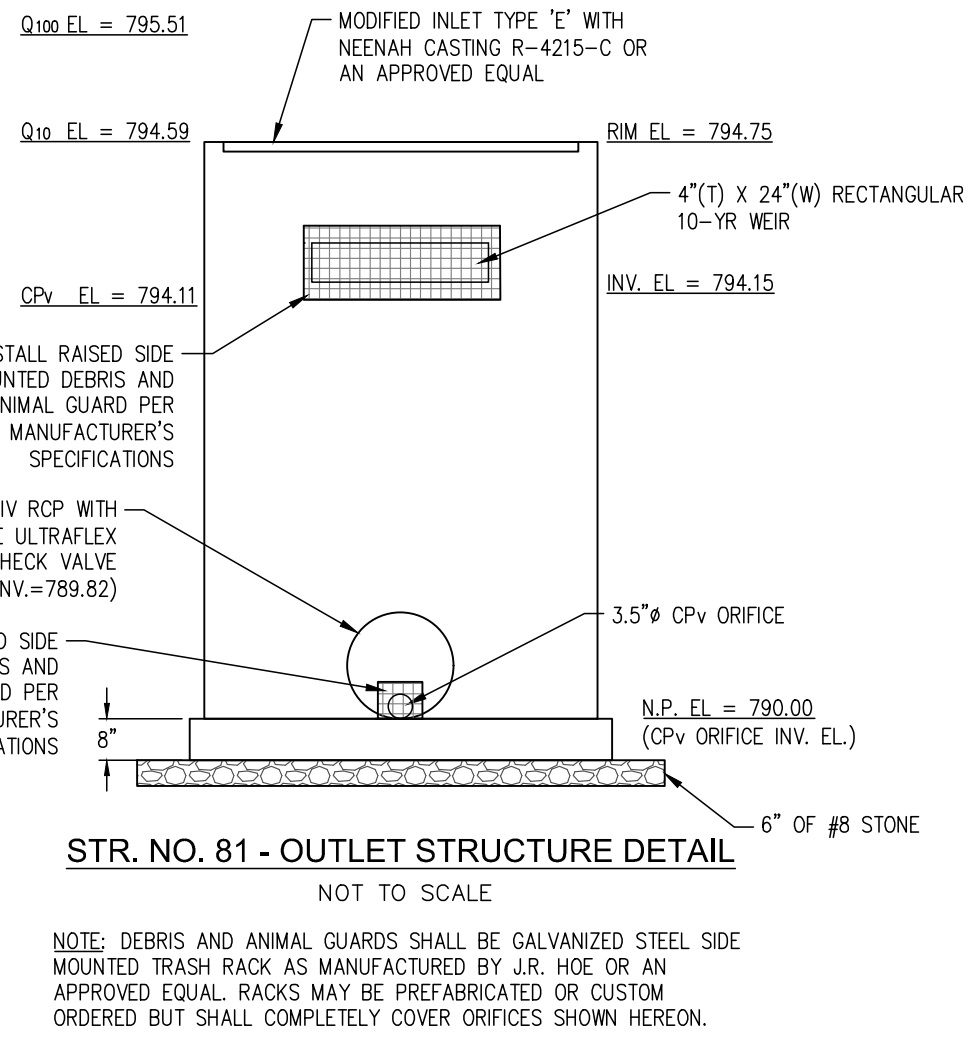
NOTE:
NO EARTHWORK DISTURBING ACTIVITY MAY COMMENCE UNTIL A STORM WATER MANAGEMENT PERMIT IS OBTAINED.



PROPOSED LEGEND	
	EASEMENT LINE
	PERMANENT FENCE LINE
	DITCH LINE
	SANITARY SEWER WITH MANHOLE
	SANITARY SEWER LATERAL WITH CLEANOUT
	STORM SEWER W/MANHOLE & END SECTION
	ELECTRIC LINE
	WATER FIRE LINE
	WATER SERVICE LINE
	FIBER OPTIC CONDUIT
	STORM MANHOLES
	STORM INLETS
	AQUA-SWIRL UNITS
	CURB STOP
	WATER METER
	TAPPING SLEEVE
	45° BEND
	22.5° BEND
	11.25° BEND
	FIRE HYDRANT
	WATER VALVE
	ELECTRIC TRANSFORMER
	HAND HOLE
	PERMANENT CONSTRUCTION FENCE WITH SCREENING ON DRIVEN POSTS
	TEMPORARY CONSTRUCTION FENCE ON STANDS WITH SAND BAGS



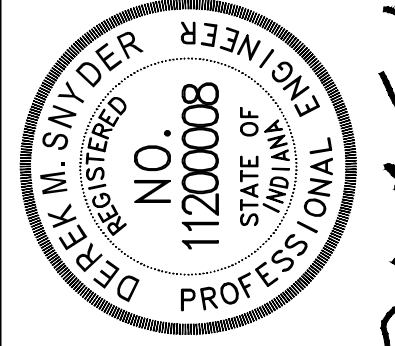
WARNING SIGN DETAIL (10'X7" MIN.)
NO SCALE



DRAINAGE PLAN

WHITELAND HIGH SCHOOL PHASE 2A

JOB NO.	DRAWN	CHECKED	TEN
DATE	APRIL 02, 2024	APPR.	GJ



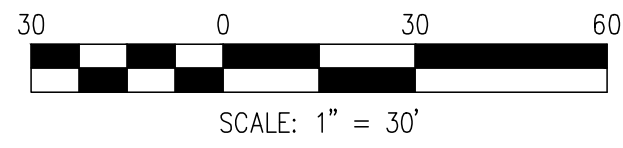
Derek M. Snyder

NO.	REVISIONS	DATE	BY	APPR.
9				
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3				
2	REVISIONS PER ADENDUM NO. 2 AND TOWN OF WHITELAND AND JOHNSON COUNTY SURVEYOR'S OFFICE PLAN REVIEW	05.02.24		
1	REVISIONS PER ADENDUM NO. 1	04.23.24		

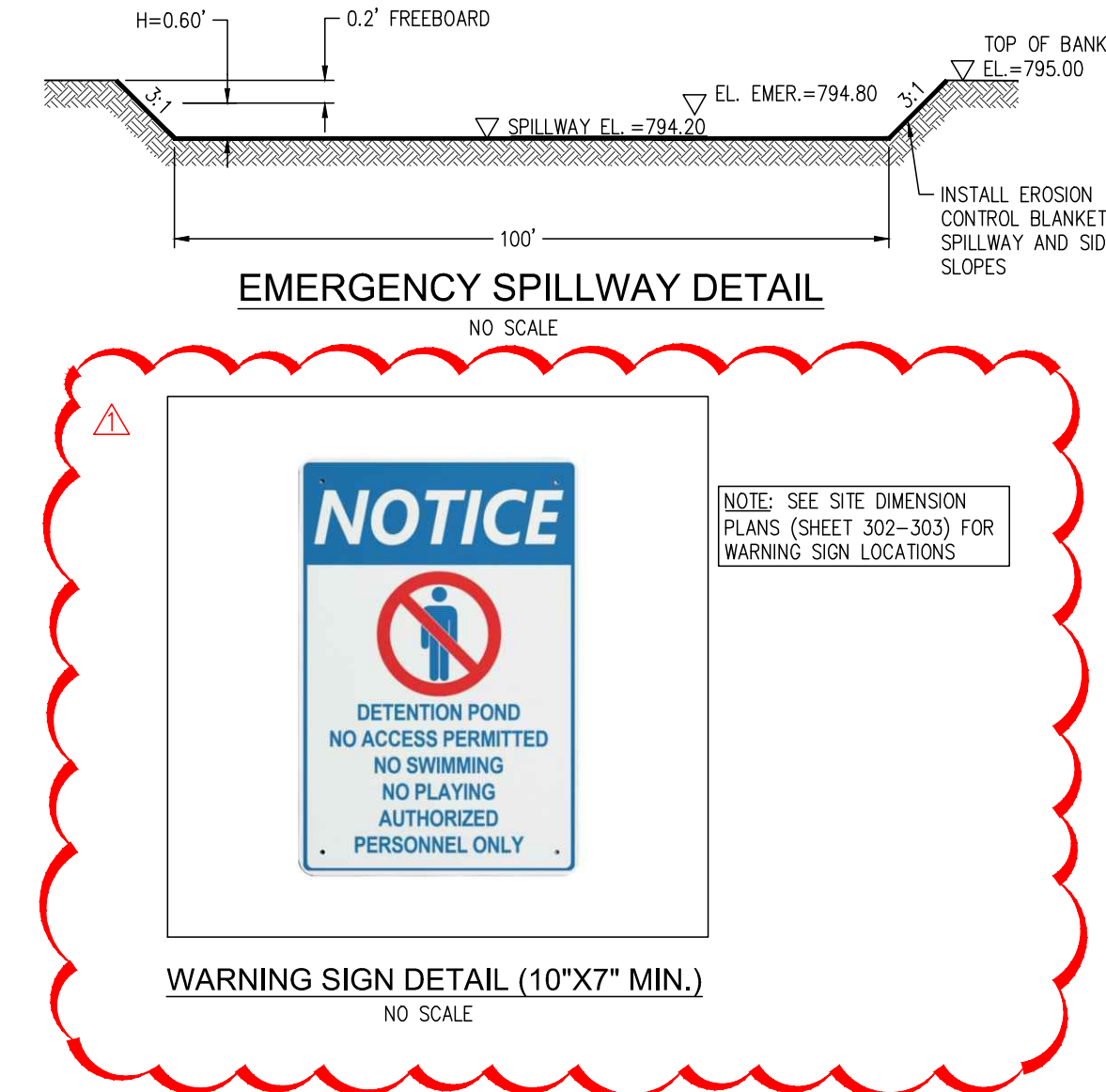
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DATE: 05/02/24
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ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY STATE, CITY OR COUNTY OFFICIALS.

NOTE:
NO EARTHWORK DISTURBING ACTIVITY MAY COMMENCE UNTIL A STORM WATER MANAGEMENT PERMIT IS OBTAINED.

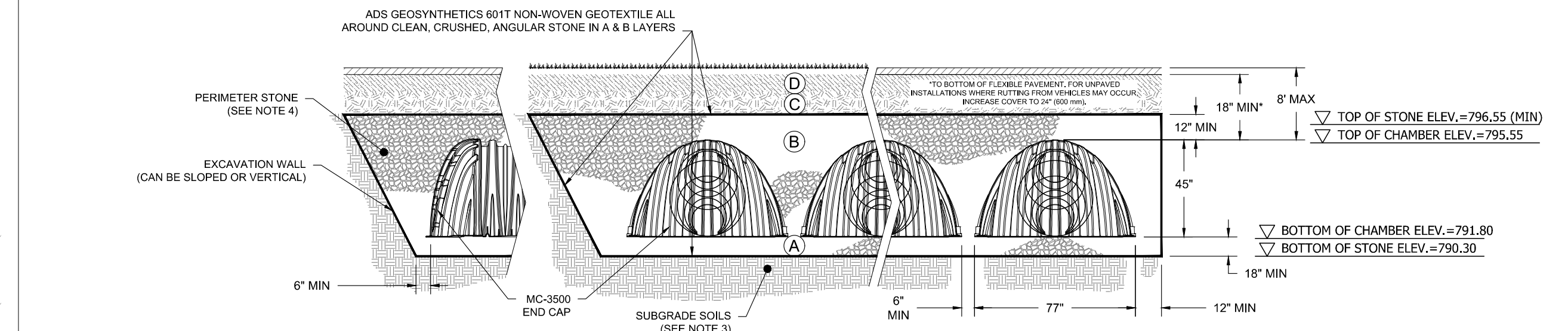


PROPOSED LEGEND	
	EASEMENT LINE
	PERMANENT FENCE LINE
	DITCH LINE
	SANITARY SEWER WITH MANHOLE
	SANITARY SEWER LATERAL WITH CLEANOUT
	STORM SEWER W/MANHOLE & END SECTION
	ELECTRIC LINE
	WATER FIRE LINE
	WATER SERVICE LINE
	FIBER OPTIC CONDUIT
	STORM MANHOLES
	STORM INLETS
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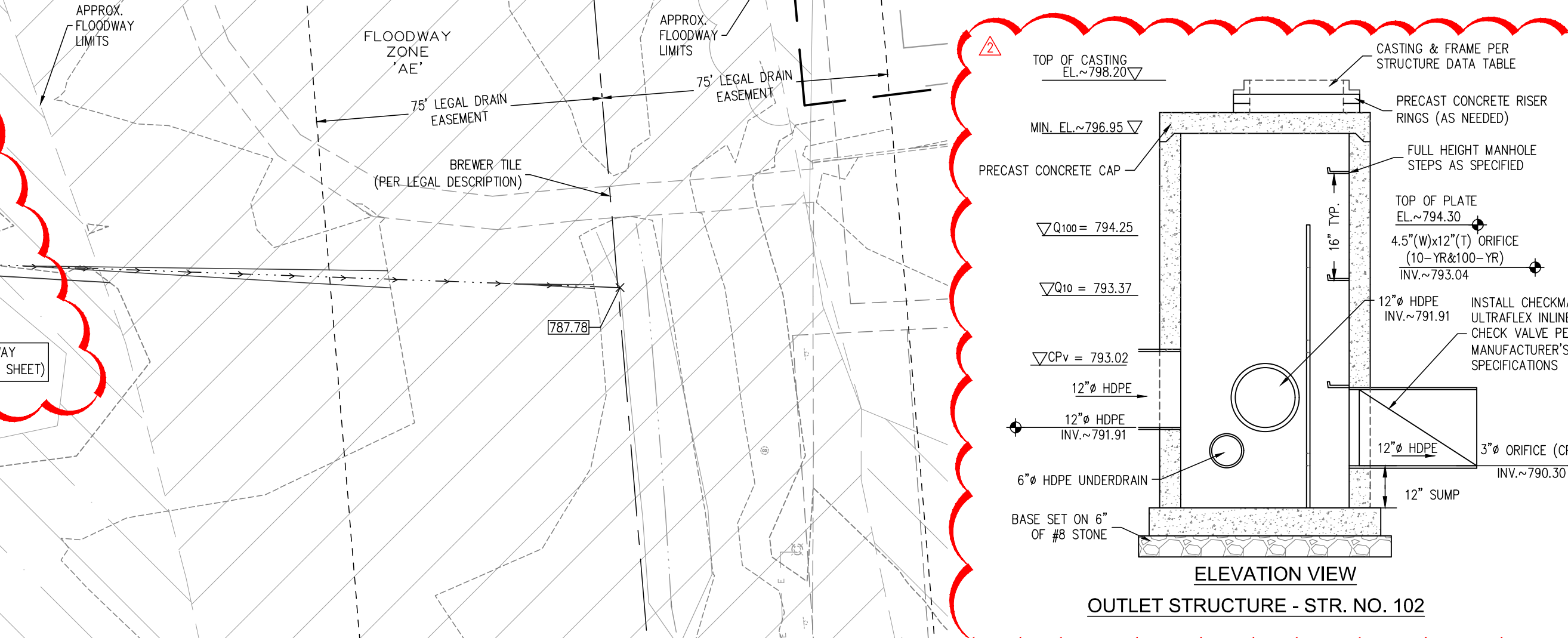
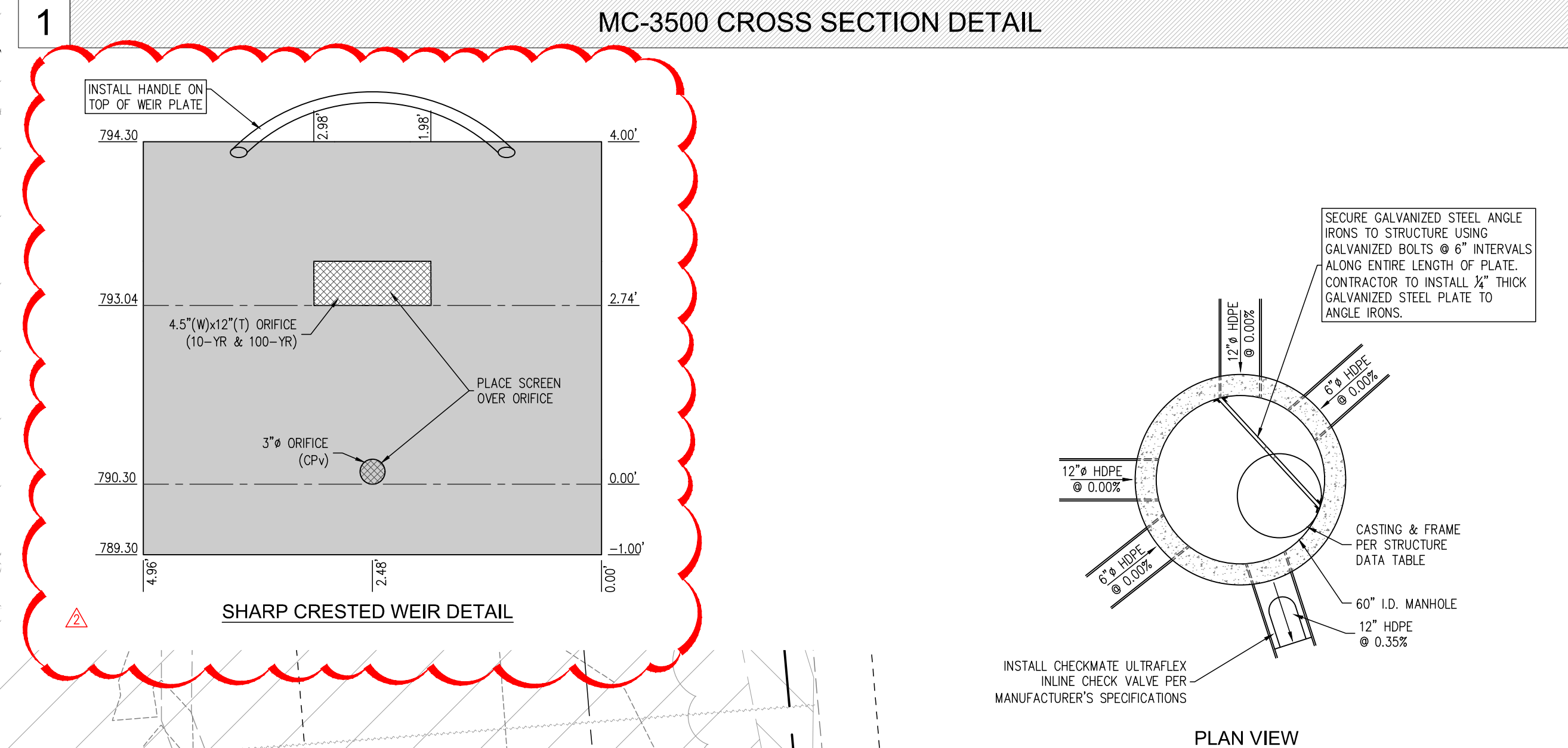


ACCEPTABLE FILL MATERIALS: STORMTECH MC-3500 CHAMBER SYSTEMS			
MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'D' LAYER	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE (B LAYER) TO 24" (600 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M45 ¹ A-1, A-2.4, A-3 OR AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE (A LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43 ¹ 3.4
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43 ¹ 3.4

- PLEASE NOTE:
- THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
 - STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (230 mm) LIFT'S USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
 - WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
 - ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.



- NOTES:
- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 45x76 DESIGNATION SS.
 - MC-3500 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
 - THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
 - PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
 - REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL INTERLOCKING STACKING LUGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.2 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 500 LBS/FT²K.
 - AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.



PHASE 2A-NORTH U/G AND SOUTH DRY BASINS

Crossroads Engineers, PC
115 E. 13th Street, Suite 200
Indianapolis, IN 46204
Phone: 317.331.1111
Fax: 317.331.1112
Email: info@crossroadsengineers.com

DRAINAGE PLAN

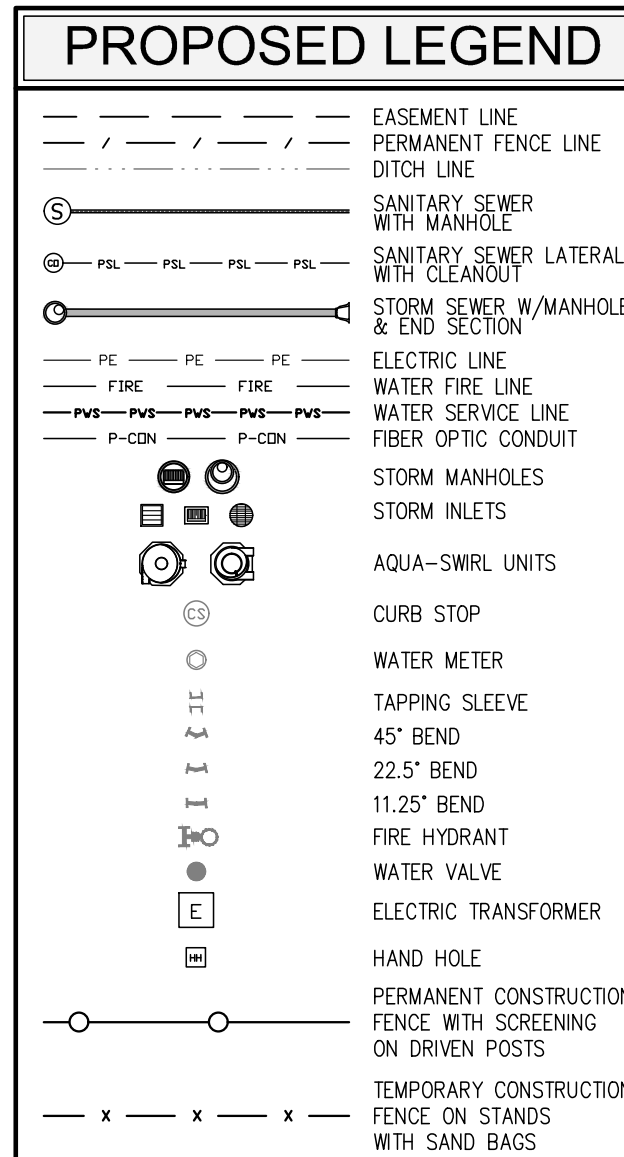
WHITELAND HIGH SCHOOL PHASE 2A

JOB NO. _____ DRAWN: KLF CHECKED: TEN
DATE: APRIL 02, 2024 DESIGNED: DMS APPR: GJJ
SHEET 601

Derek M. Snyder
Professional Engineer
No. 1120008
State of Indiana

REVISIONS PER ADENDUM NO. 1

NO.	DATE	BY	DMS	GJJ	APPR.
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2	05.02.24				

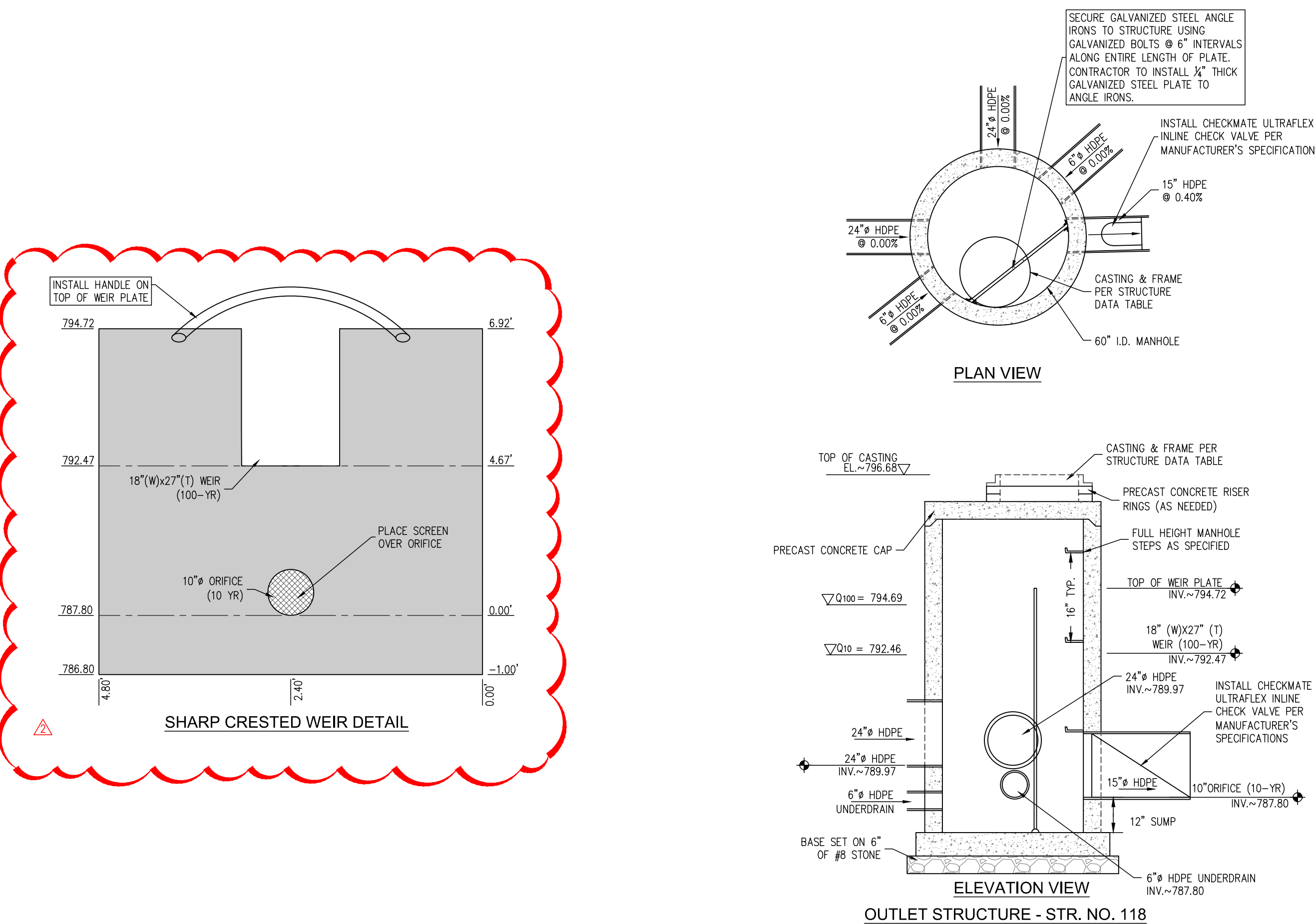


ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY STATE, CITY OR COUNTY OFFICIALS

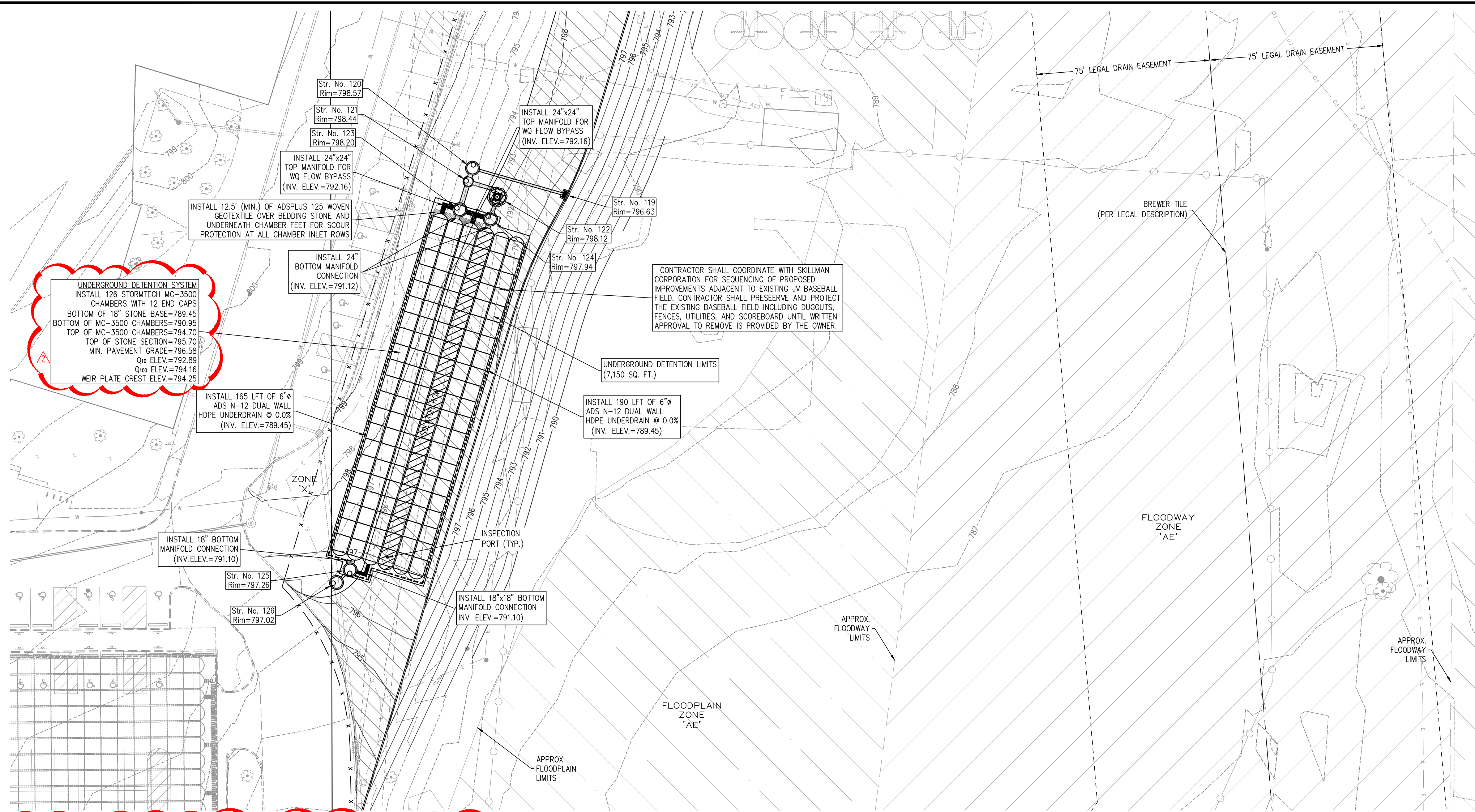
NOTE:
NO EARTHWORK DISTURBING ACTIVITY MAY COMMENCE UNTIL A STORM WATER MANAGEMENT PERMIT IS OBTAINED.



1	MC-3500 CROSS SECTION DETAIL
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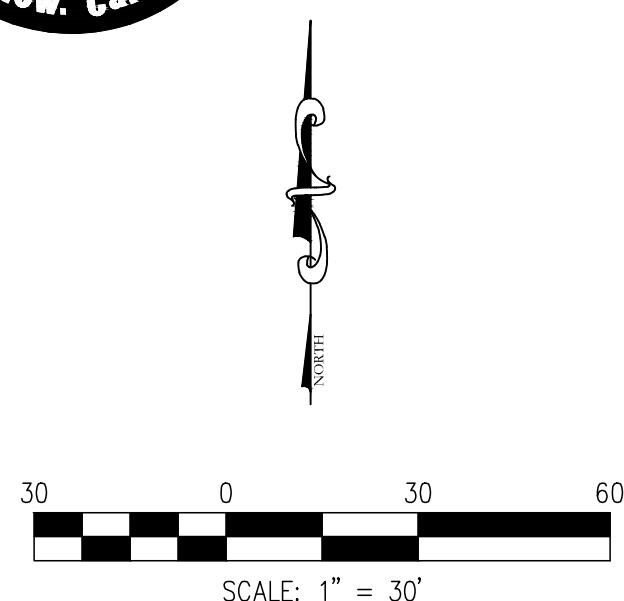


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DATE: 5/2/2024 11:53 AM
USER: J. K. GOSWAMI



ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY STATE, CITY OR COUNTY OFFICIALS.

NOTE:
NO EARTHWORK DISTURBING ACTIVITY MAY COMMENCE UNTIL A STORM WATER MANAGEMENT PERMIT IS OBTAINED.



PROPOSED LEGEND	
	EASEMENT LINE
	PERMANENT FENCE LINE
	DITCH LINE
	SANITARY SEWER WITH MANHOLE
	STORM SEWER W/MANHOLE & END SECTION
	ELECTRIC LINE
	WATER FIRE LINE
	WATER SERVICE LINE
	FIBER OPTIC CONDUIT
	STORM MANHOLES
	STORM INLETS
	AQUA-SWIRL UNITS
	CURB STOP
	WATER METER
	TAPPING SLEEVE
	45° BEND
	22.5° BEND
	FIRE HYDRANT
	WATER VALVE
	ELECTRIC TRANSFORMER
	HAND HOLE
	PERMANENT CONSTRUCTION FENCE WITH SCREENING ON DRIVEN POSTS
	TEMPORARY CONSTRUCTION FENCE ON STANDS WITH SAND BAGS

CROSSROADS ENGINEERS, PC
TRANSPORTATION & DEVELOPMENT CONSULTANTS
115 S. 7th Street, Suite 200 • Indianapolis, IN 46204-1000
TEL: 317.634.1100 • FAX: 317.634.1101
WWW.CROSSROADS-INDIANAPOLIS.COM

DRAINAGE PLAN

WHITELAND HIGH SCHOOL PHASE 2A

JOB No.

DATE

TEN

APRIL 02, 2024

CHECKED

DESIGNED

DMS

DMS

APPR.

BY

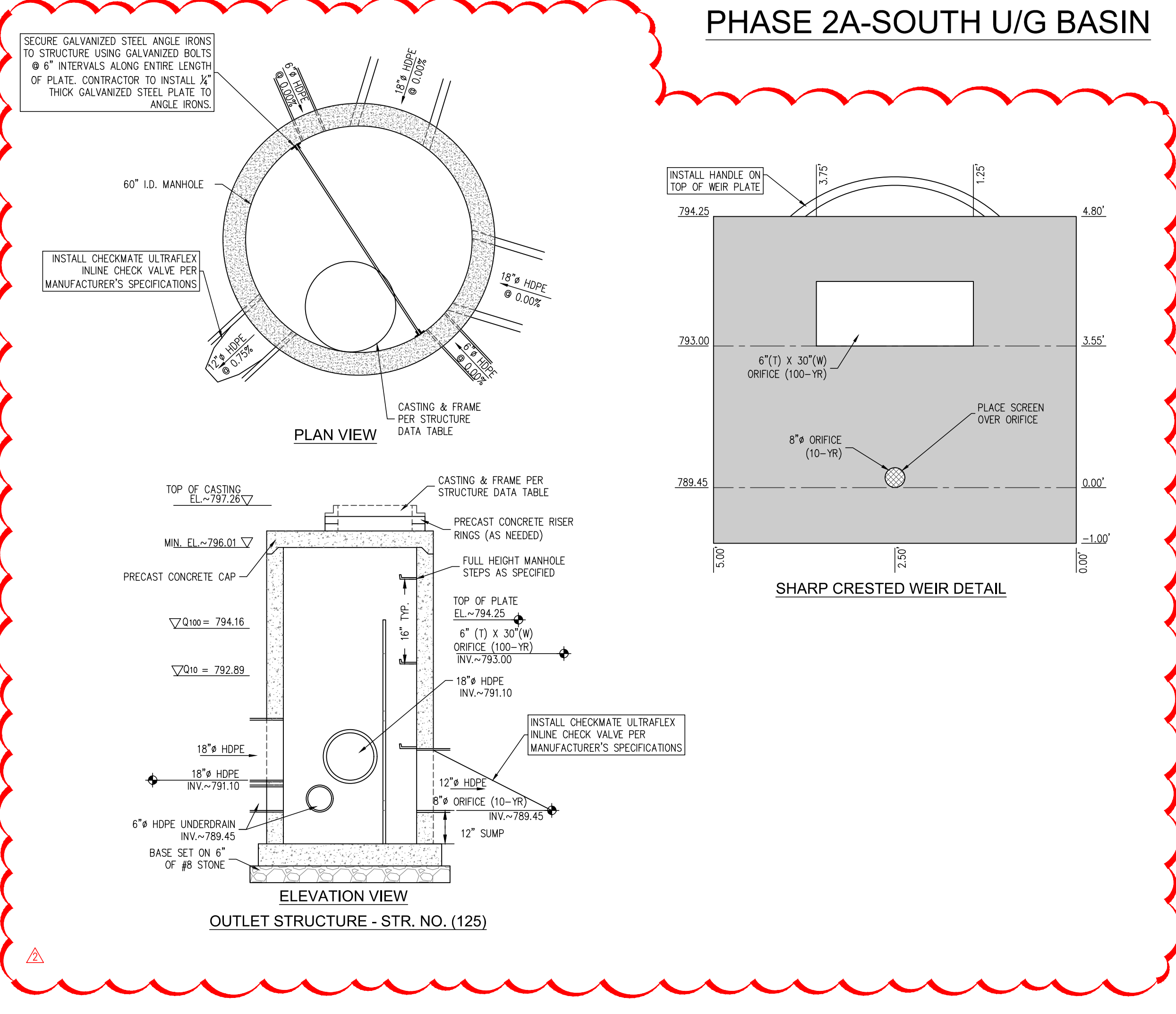
603

SHEET

Derek M. Snyder

REVISIONS PER ADDENDUM NO. 1

NO.	DATE	REVISIONS
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2	05.02.24	
1	04.23.24	



ACCEPTABLE FILL MATERIALS: STORMTECH MC-3500 CHAMBER SYSTEMS

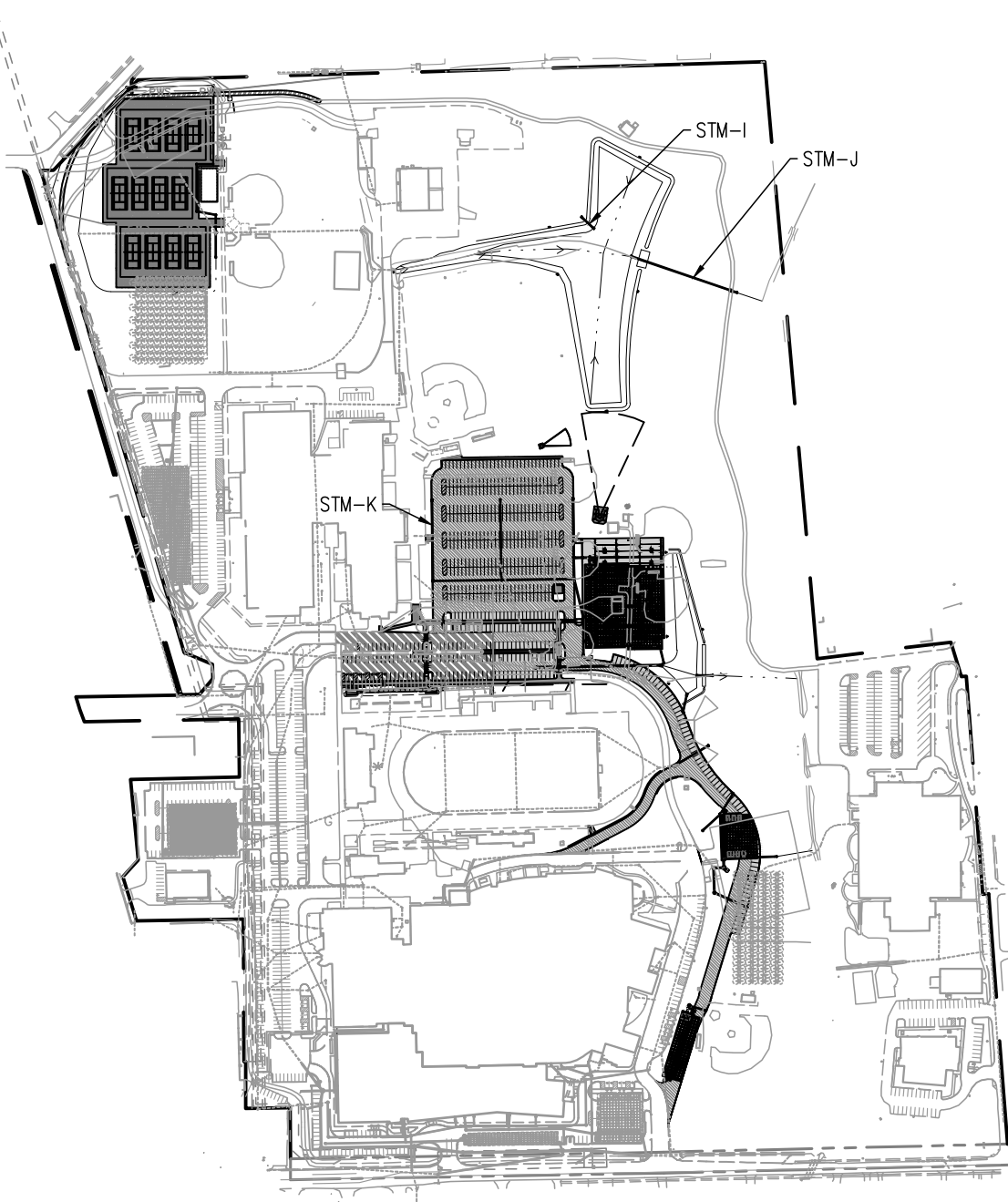
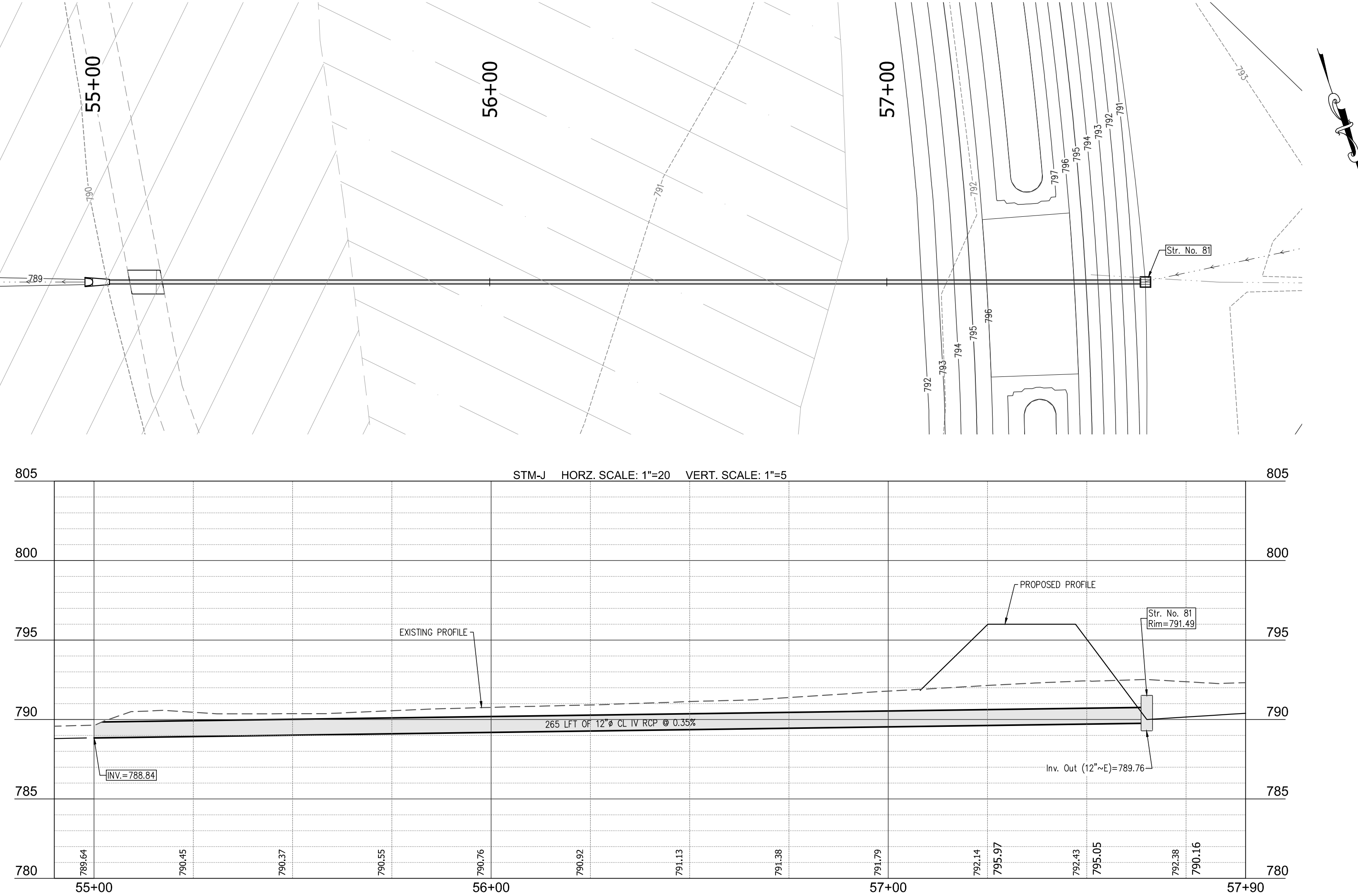
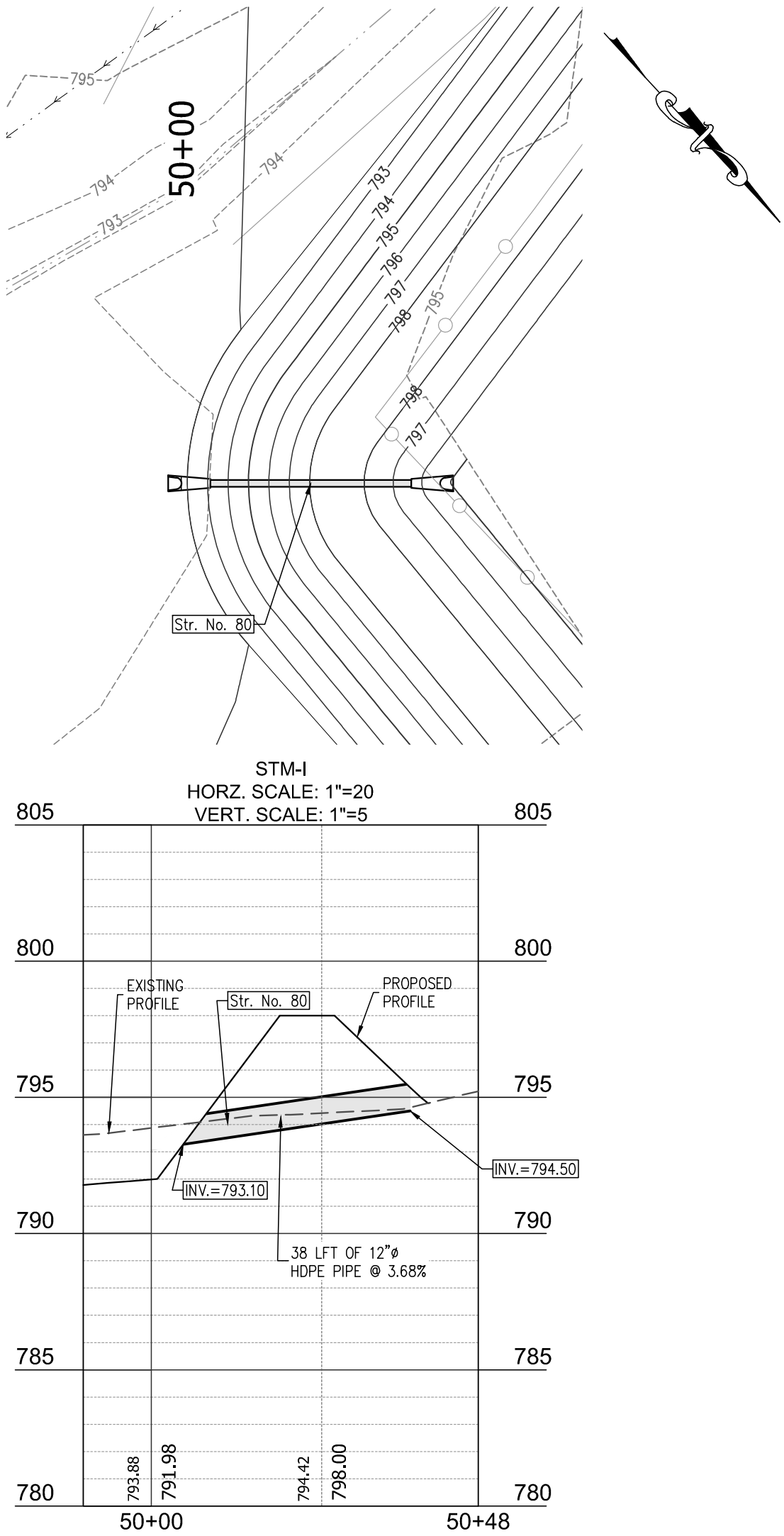
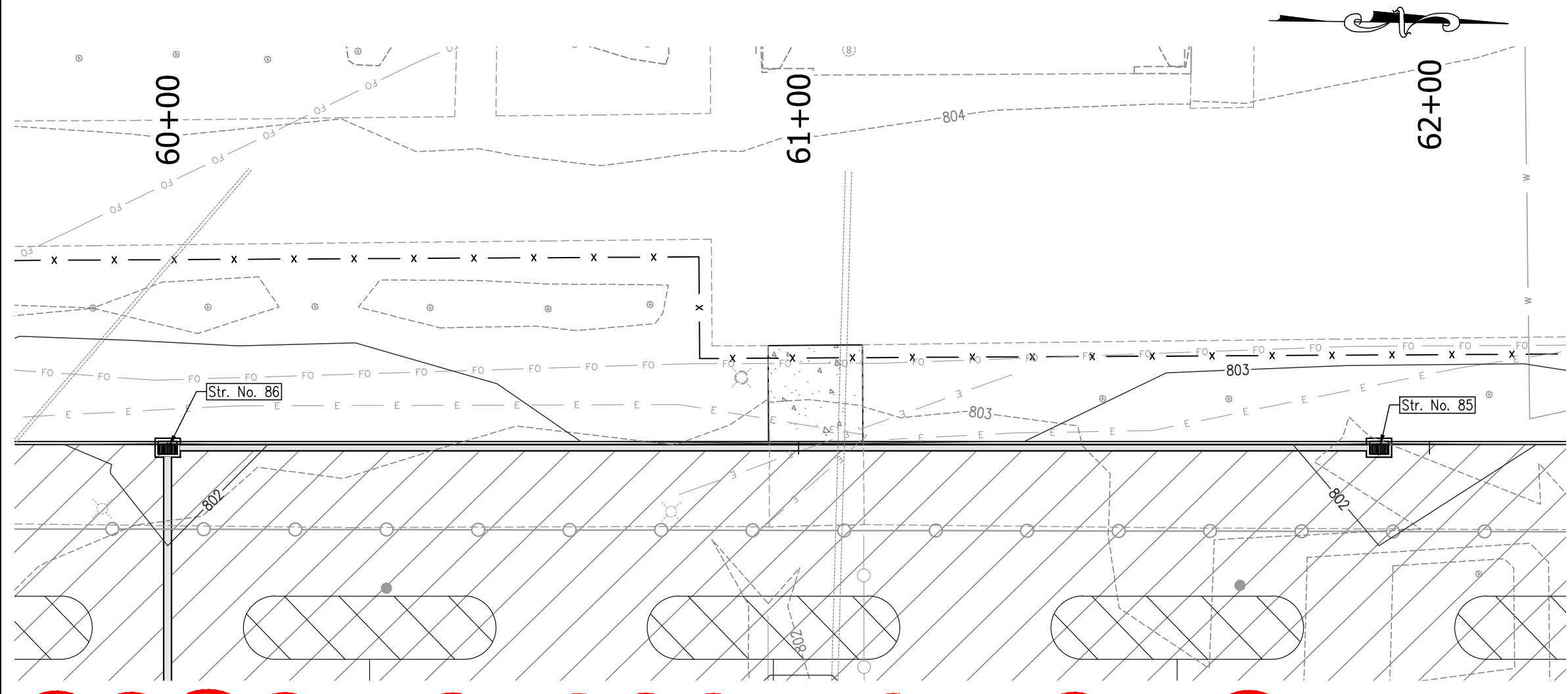
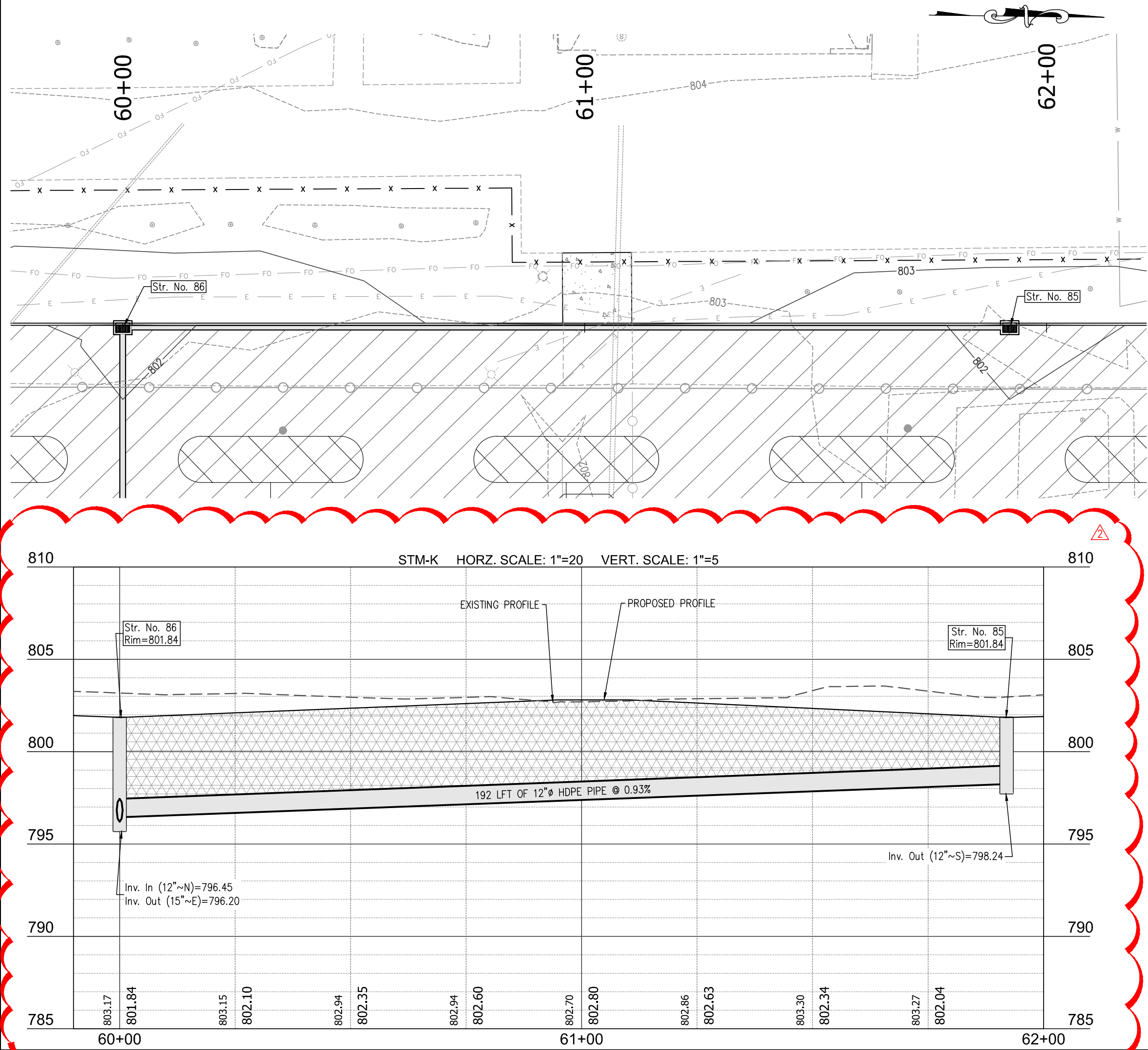
MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 24\"/>	AASHTO M145 ¹ A-1, A-2-4, A-3 OR AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 24\"/>
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	AASHTO M43 ¹ 3, 4	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	AASHTO M43 ¹ 3, 4	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{2,3}

PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.

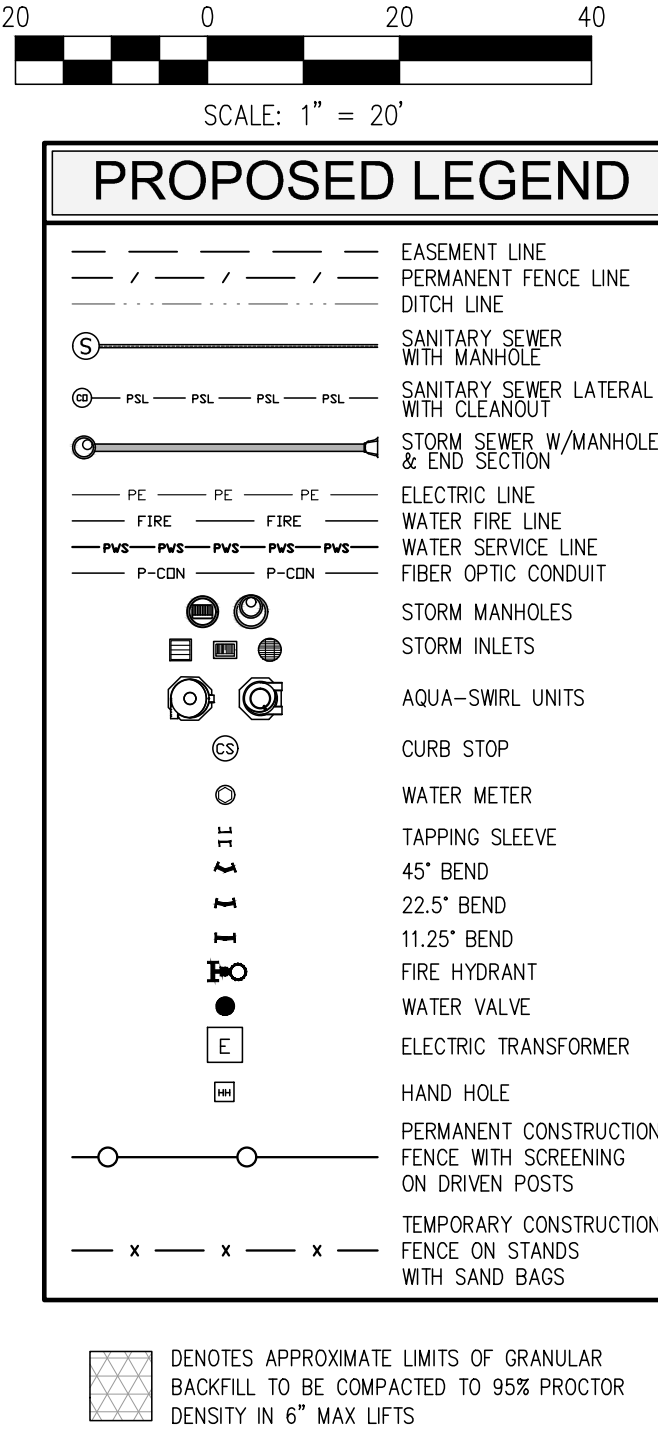
NOTES:
1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 45x76 DESIGNATION SS.
2. MC-3500 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2287 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
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- TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 500 LBS/FT²IN. AND IN TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

DIRECTORY PATH : R:\Active\Unice+Reade\Whiteland High School\Design\CAD\Plans\Phase 2
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KEYMAP
NO SCALE



NOTE:
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MAY COMMENCE UNTIL A STORM WATER
MANAGEMENT PERMIT IS OBTAINED.



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ENGINEERS, PC
TRANSPORTATION &
DEVELOPMENT CONSULTANTS
115 E. 13th Street, Suite 200 • Indianapolis, IN 46204-4400
Phone: (317) 634-1155 • Fax: (317) 634-1156

STORM PLAN AND PROFILES

WHITELAND HIGH SCHOOL PHASE 2A

JOB No.	DRAWN	CHECKED	TEN
DATE	APRIL 02, 2024	APPR.	GJ

Derek M. Snyder
No. 11200008
State of Indiana
Professional Engineer

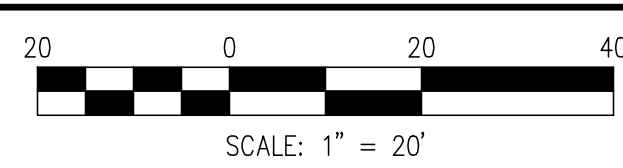
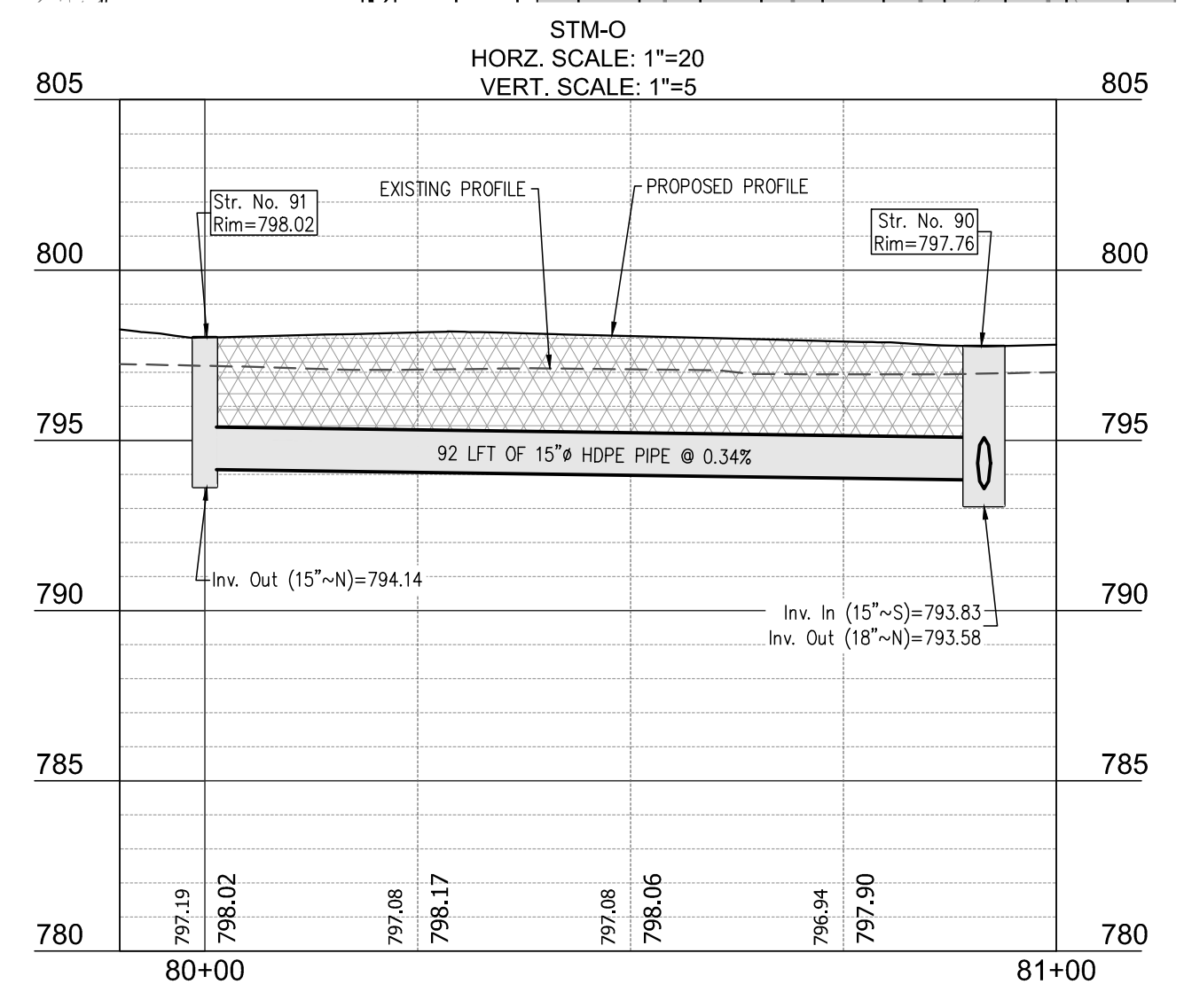
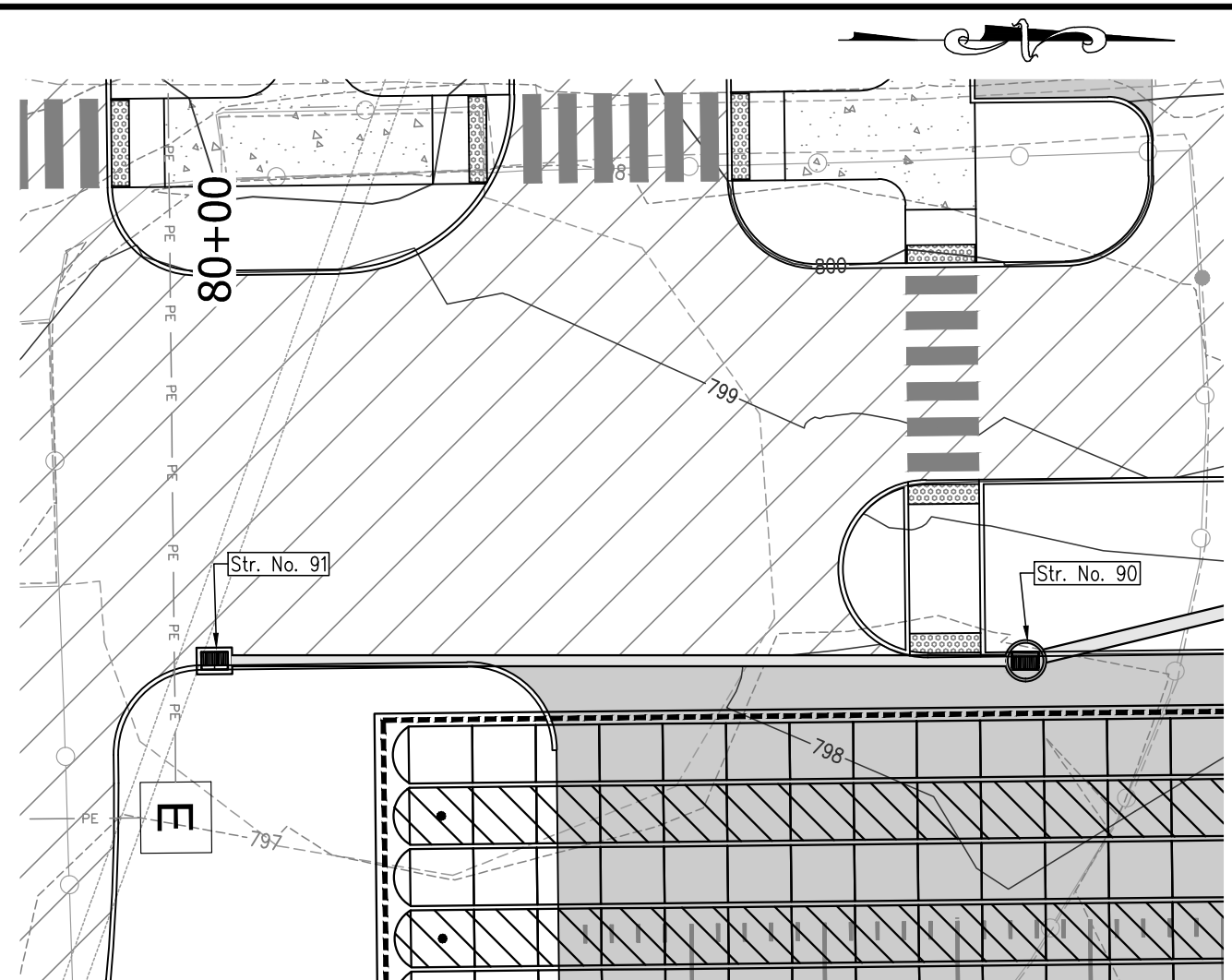
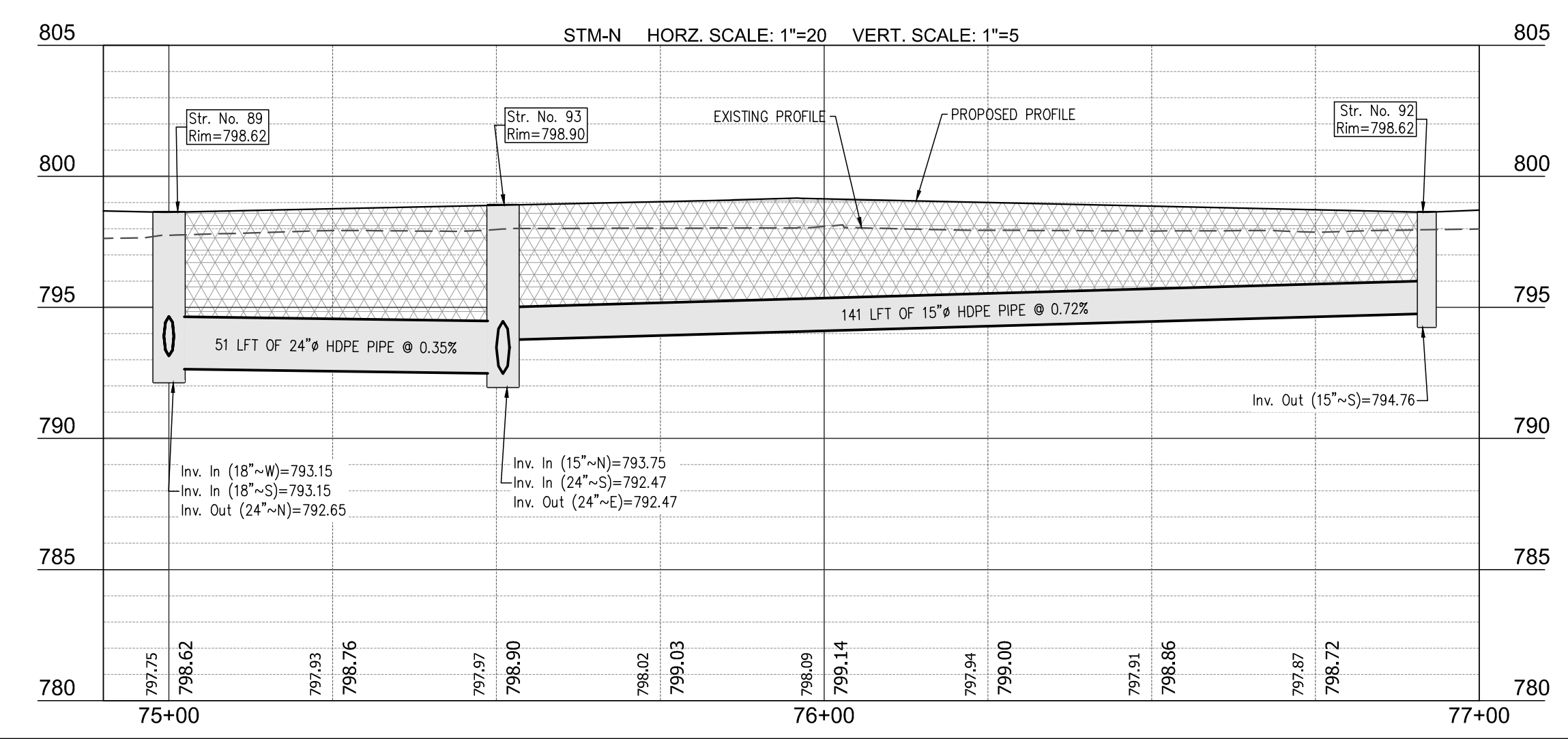
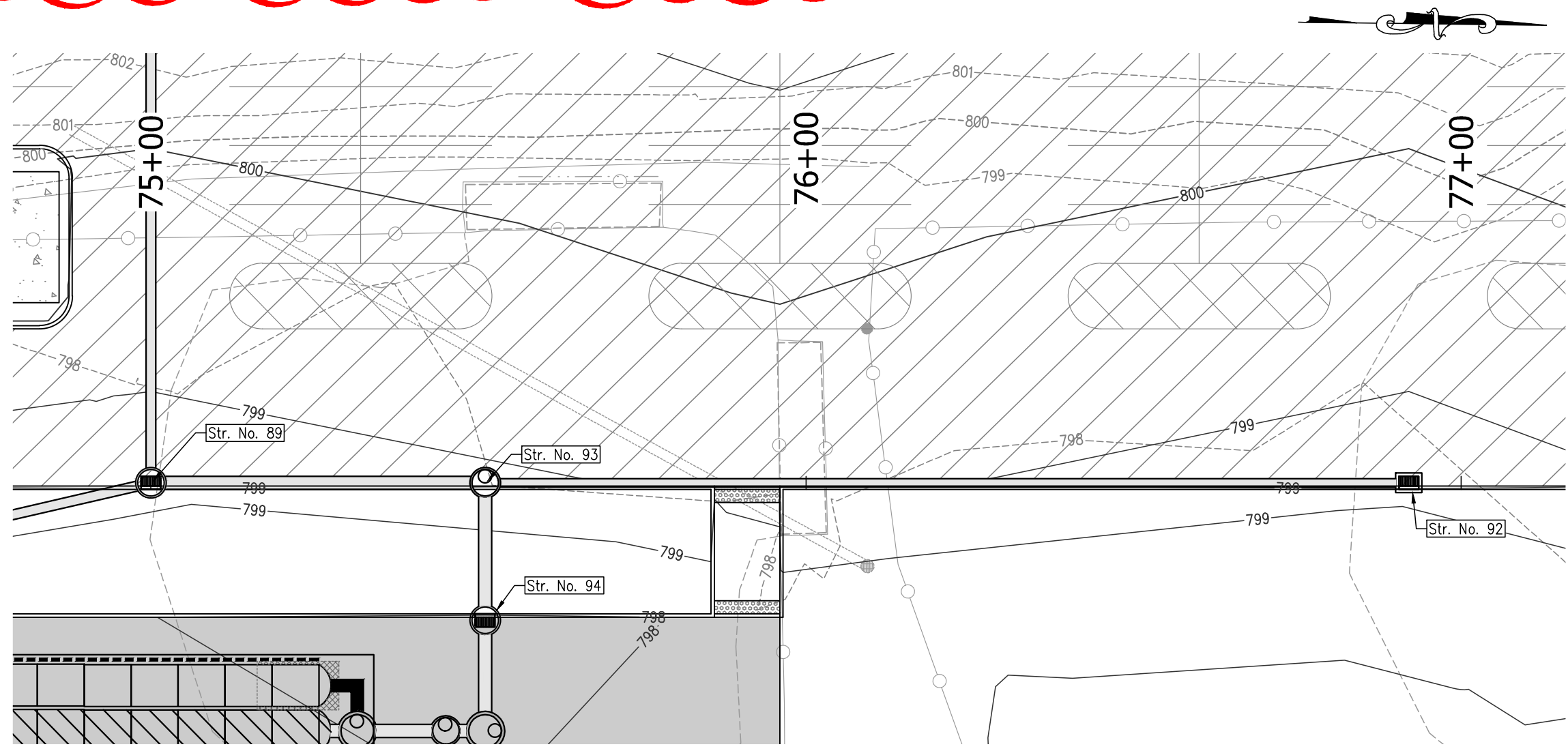
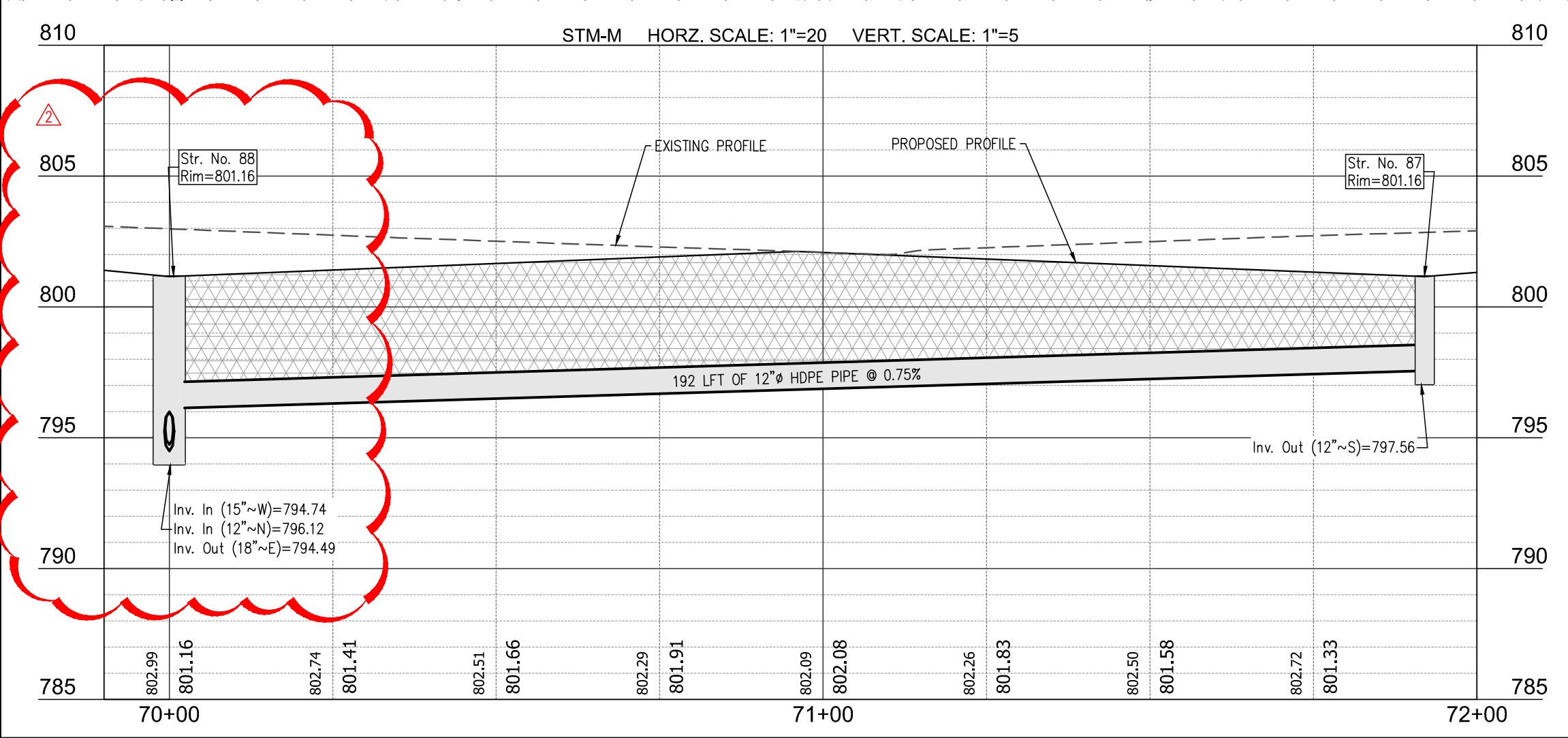
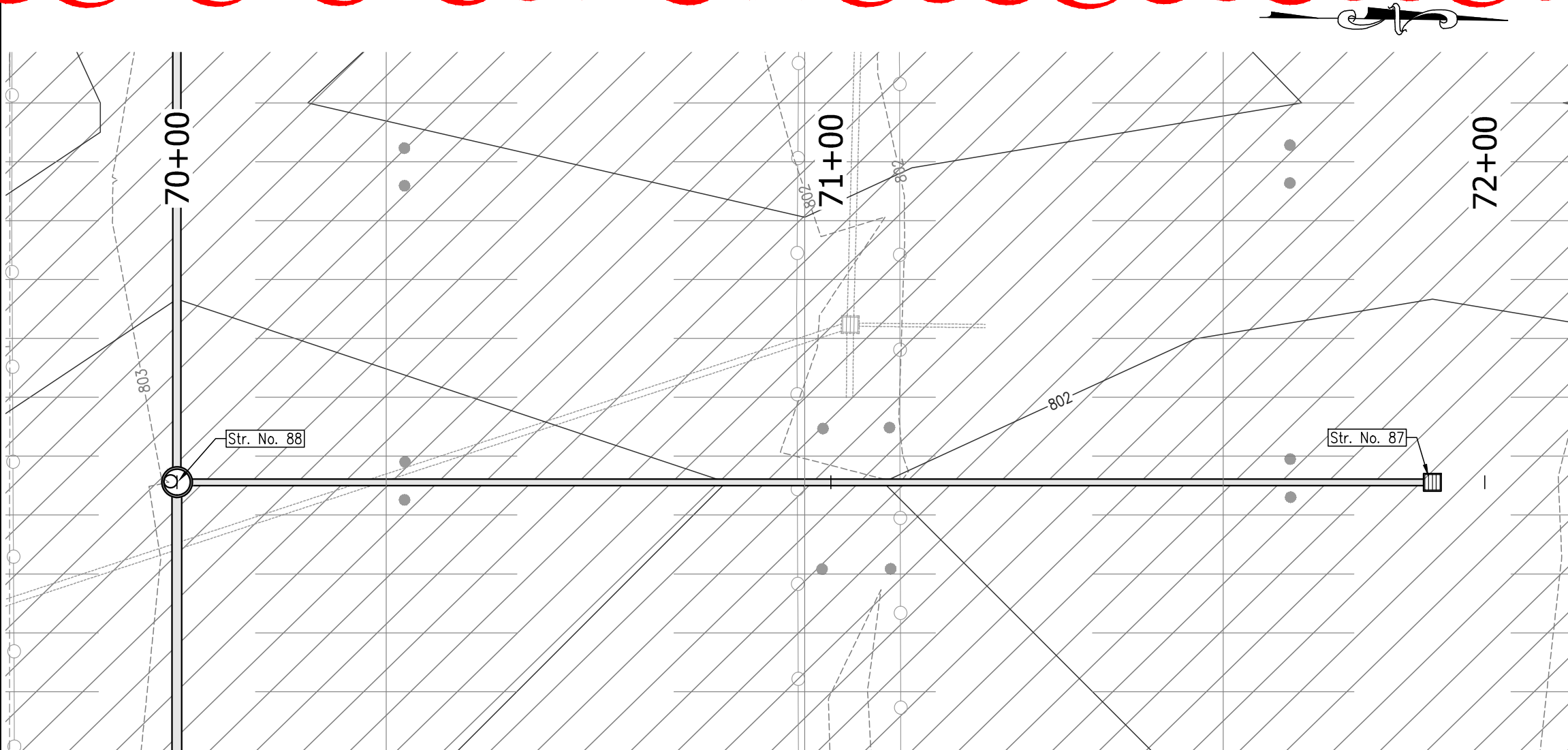
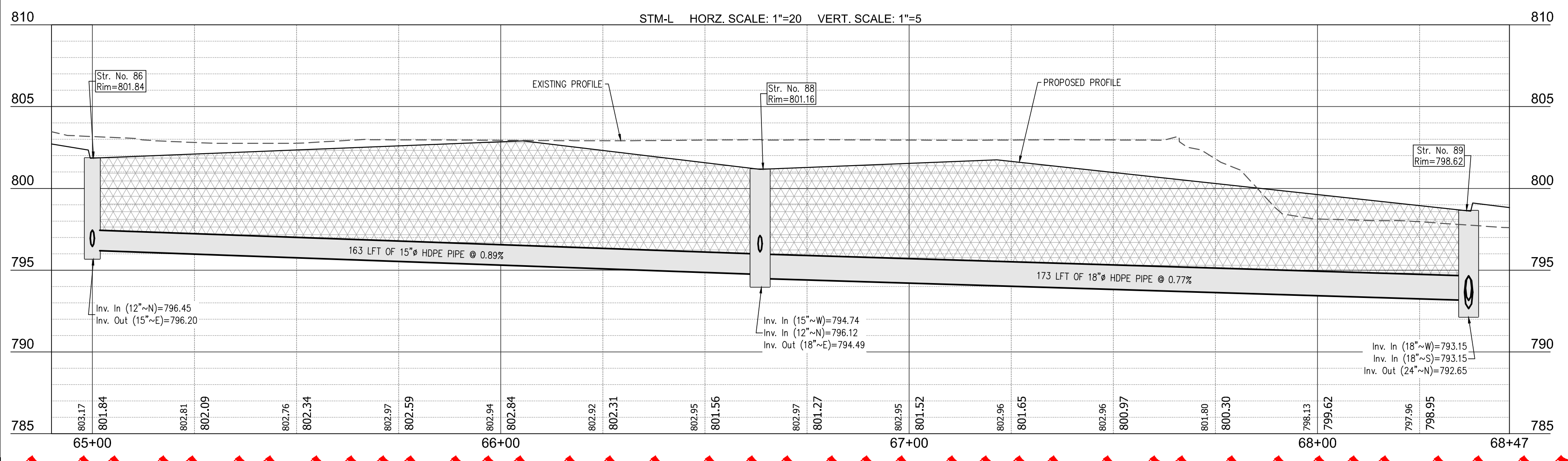
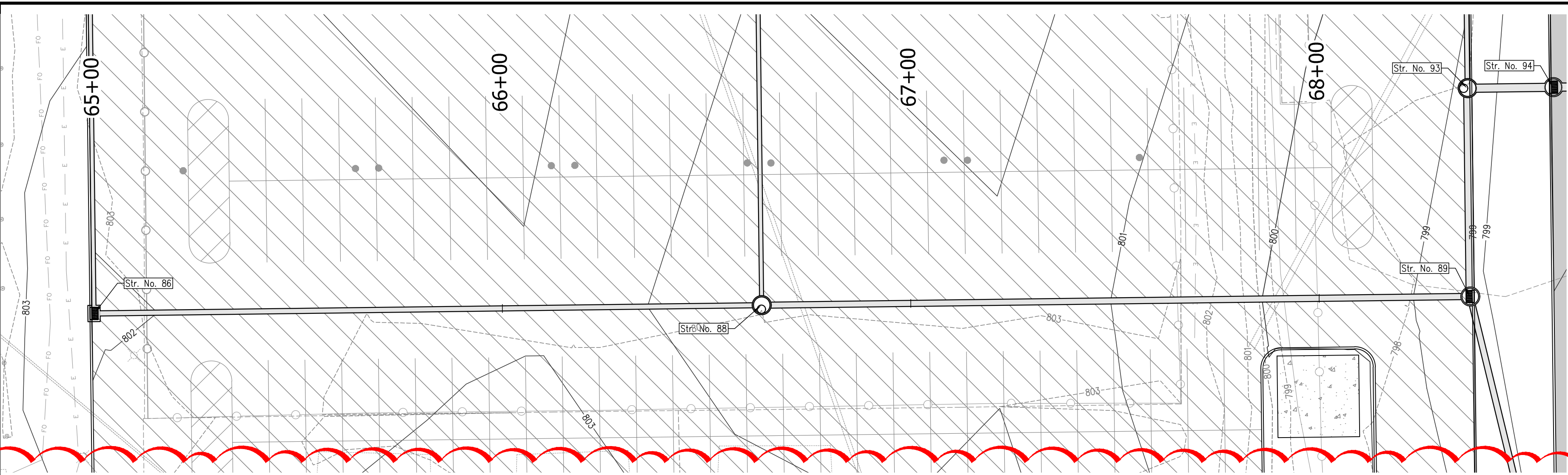
Derek M. Snyder

NO.	DATE	REVISIONS	BY
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2	05.02.24	REVISIONS PER ADDENDUM NO. 2 AND TOWN OF WHITELAND AND JOHNSON COUNTY SURVEYOR'S OFFICE PLAN REVIEW	DMS
1	04.23.24	REVISIONS PER ADDENDUM NO. 1	DMS

SHEET

801

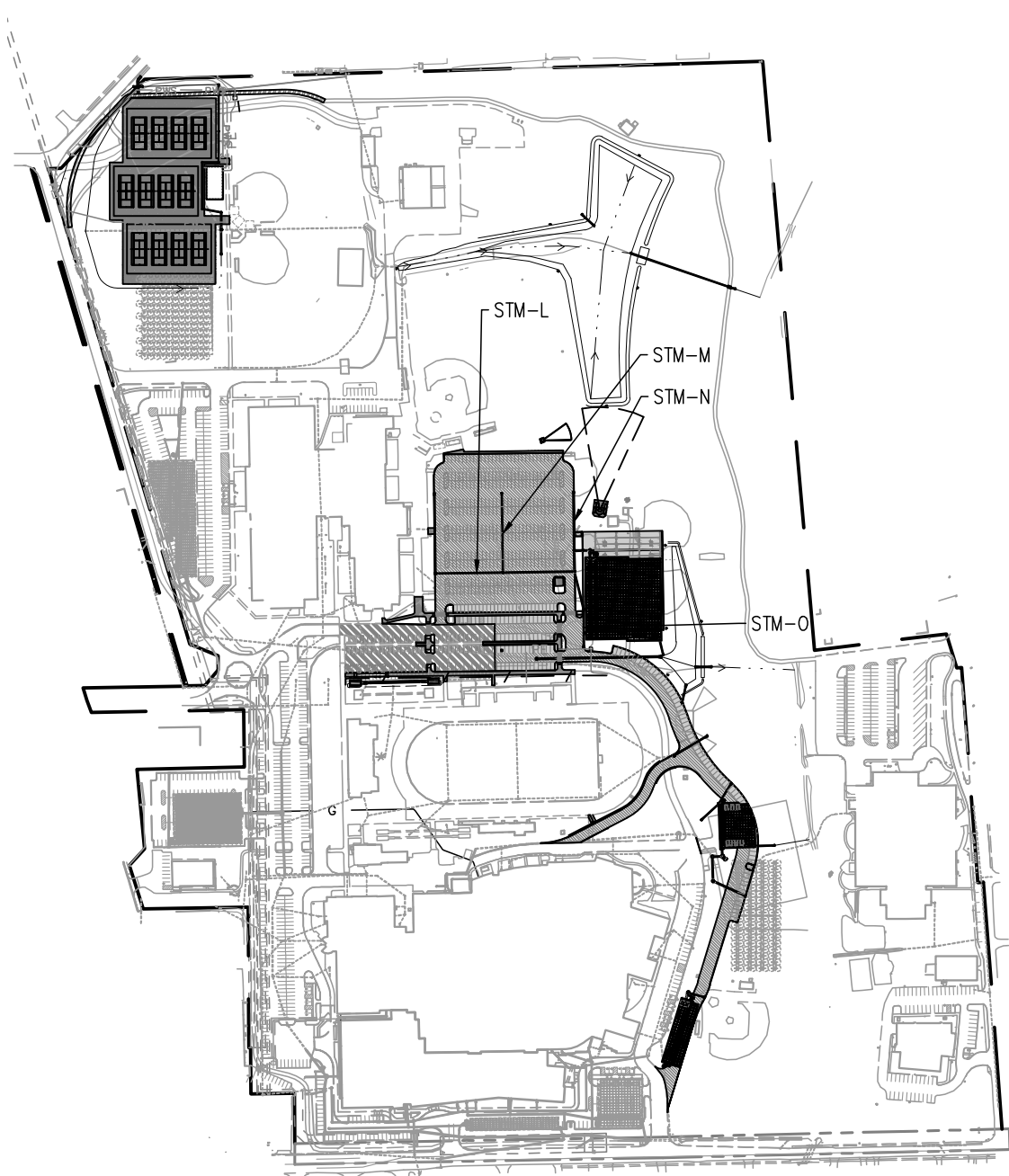
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DATE: 04/02/2024
USER : S12.2024.11592.AN.J.AB60



PROPOSED LEGEND

- EASEMENT LINE
- PERMANENT FENCE LINE
- DITCH LINE
- SANITARY SEWER WITH MANHOLE
- SANITARY SEWER LATERAL WITH CLEANOUT
- STORM SEWER W/MANHOLE & END SECTION
- ELECTRIC LINE
- WATER FIRE LINE
- FIBER OPTIC CONDUIT
- STORM MANHOLES
- STORM INLETS
- AQUA-SWIRL UNITS
- CURB STOP
- WATER METER
- TAPPING SLEEVE
- 45° BEND
- 22.5° BEND
- 11.25° BEND
- FIRE HYDRANT
- WATER VALVE
- ELECTRIC TRANSFORMER
- HAND HOLE
- PERMANENT CONSTRUCTION FENCE WITH SCREENING ON DRIVEN POSTS
- TEMPORARY CONSTRUCTION FENCE ON STANDS WITH SAND BAGS

NOTE:
NO EARTHWORK DISTURBING ACTIVITY
MAY COMMENCE UNTIL A STORM WATER
MANAGEMENT PERMIT IS OBTAINED.



KEYMAP
NO SCALE

CROSSROAD ENGINEERS, PC
Professional Engineers
Development Consultants
111 N. 11th Street, Suite 200
Indianapolis, IN 46204
Phone: (317) 634-1111
Fax: (317) 634-1112
Email: info@crossroadeng.com

STORM PLAN AND PROFILES

WHITELAND HIGH SCHOOL PHASE 2A

JOB NO.	DRAWN	CHECKED	TEN	GJ
APRIL 02, 2024	DESIGNED	DMS	APPR.	

NO.	DATE	REVISIONS	BY	APPR.
1	04.23.24	REVISIONS PER ADDENDUM NO. 1		
2	05.02.24	REVISIONS PER ADDENDUM NO. 2 AND TOWN OF WHITELAND AND JOHNSON COUNTY SURVEYOR'S OFFICE PLAN REVIEW		
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DATE

04.23.24

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BY

APPR.

DMS

DMS

GJ

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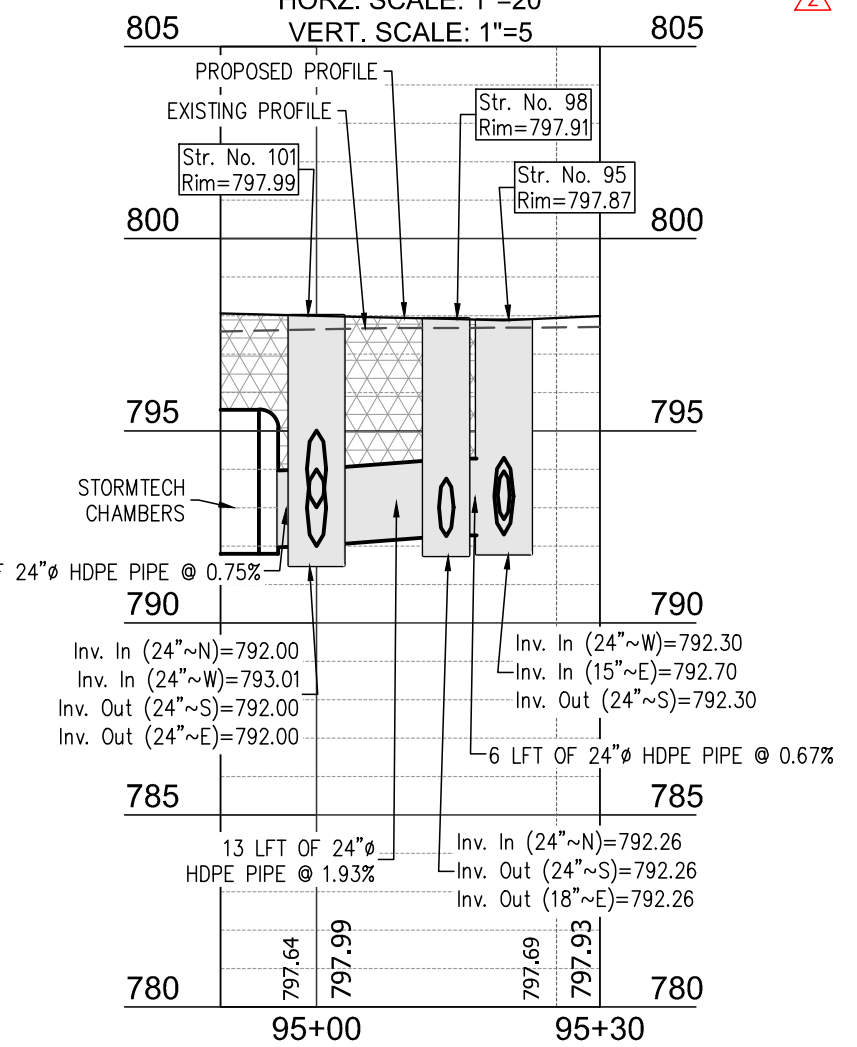
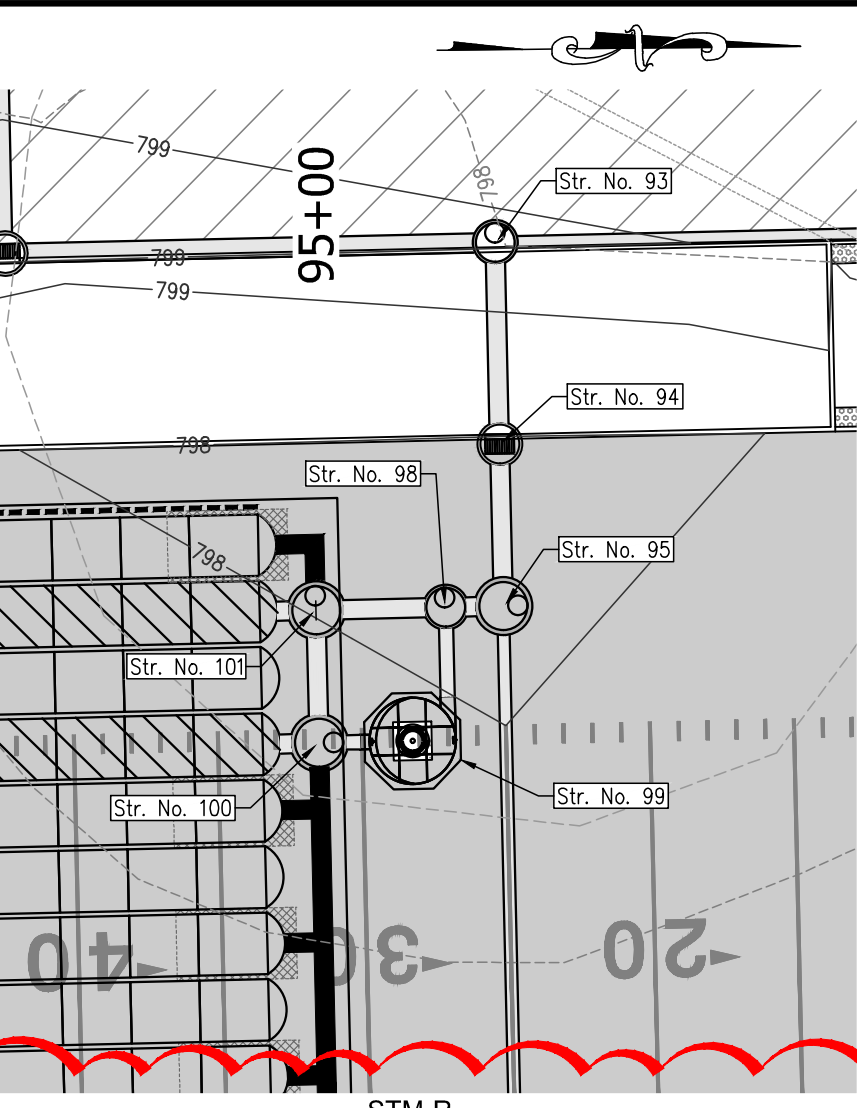
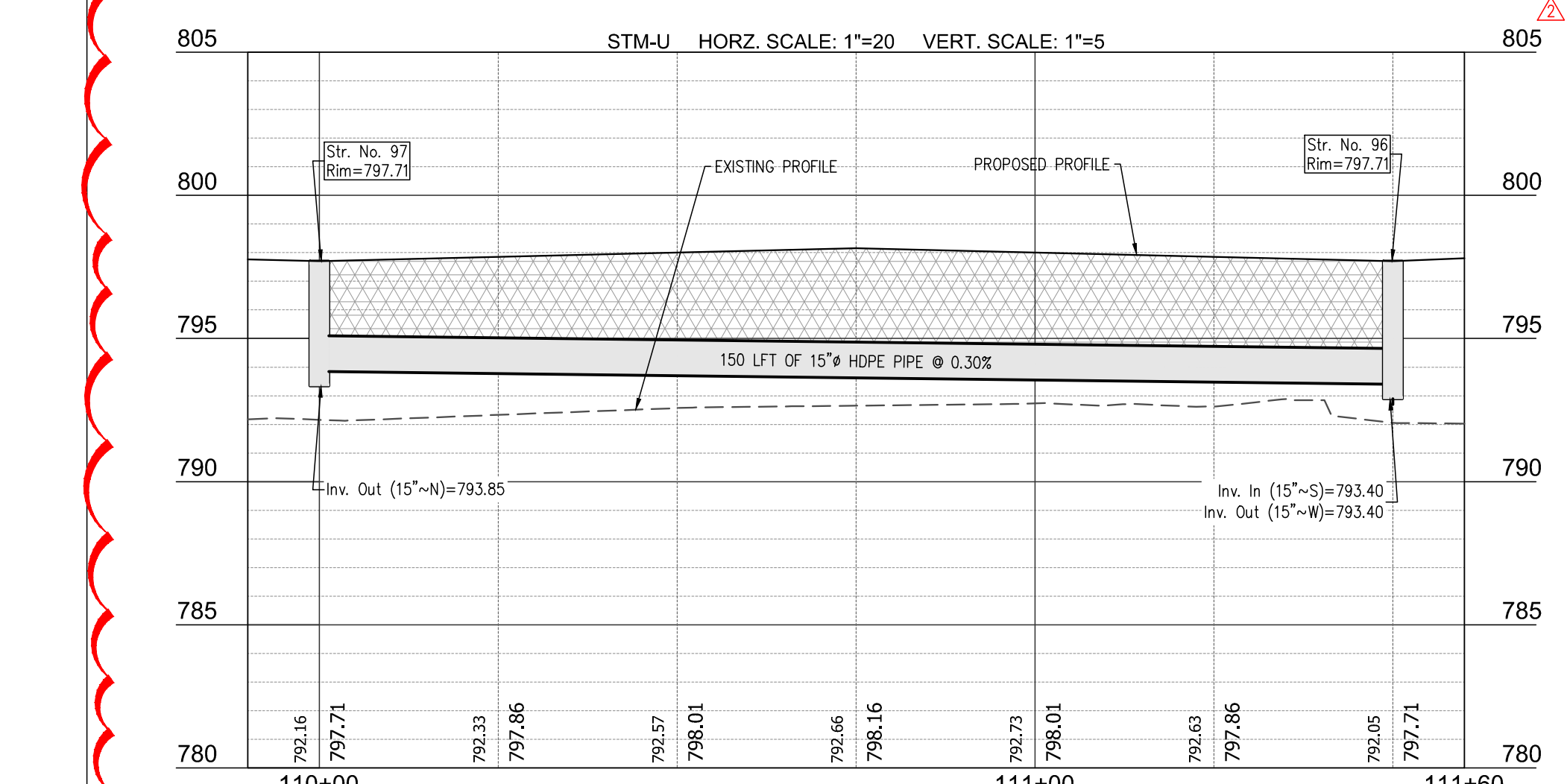
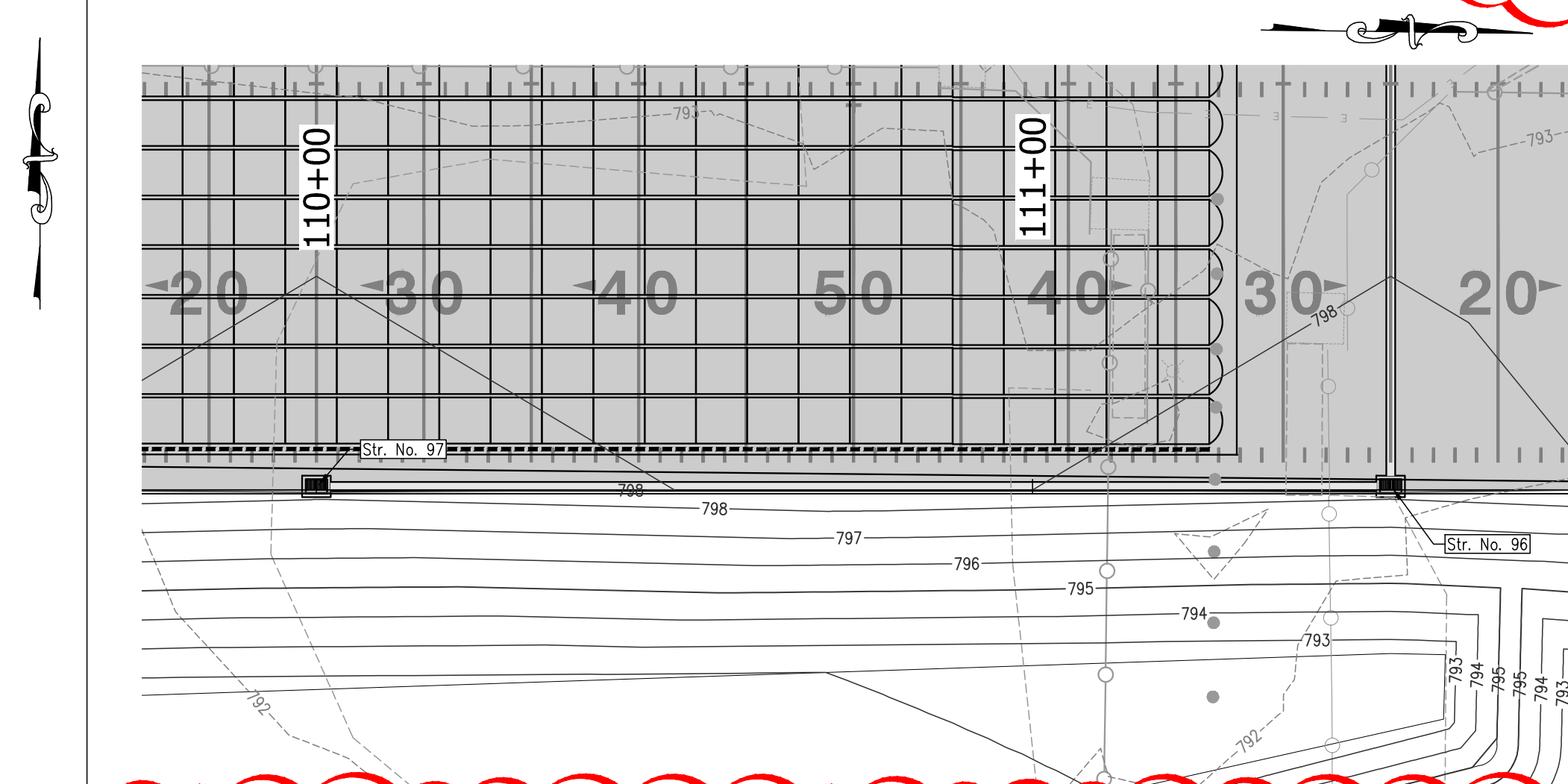
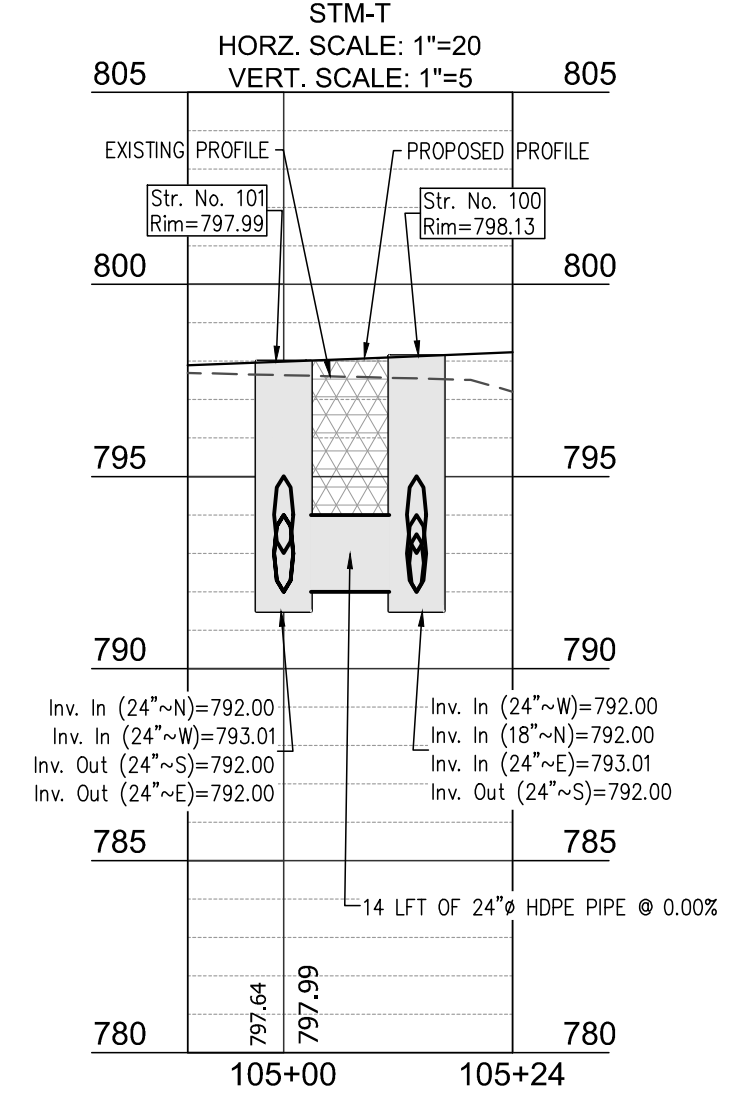
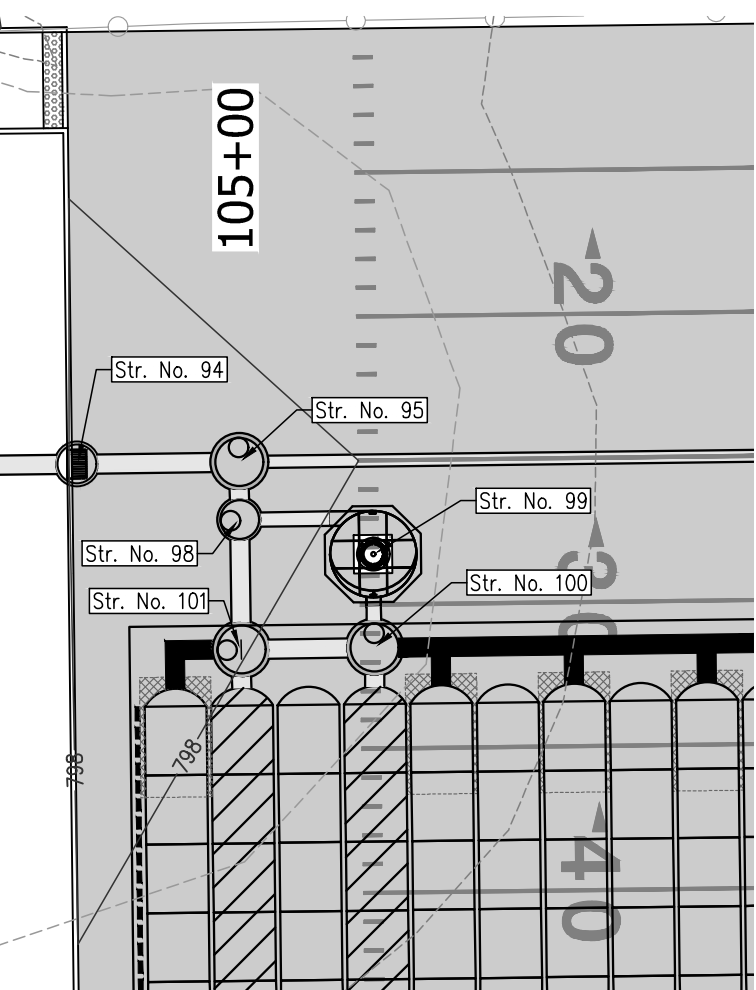
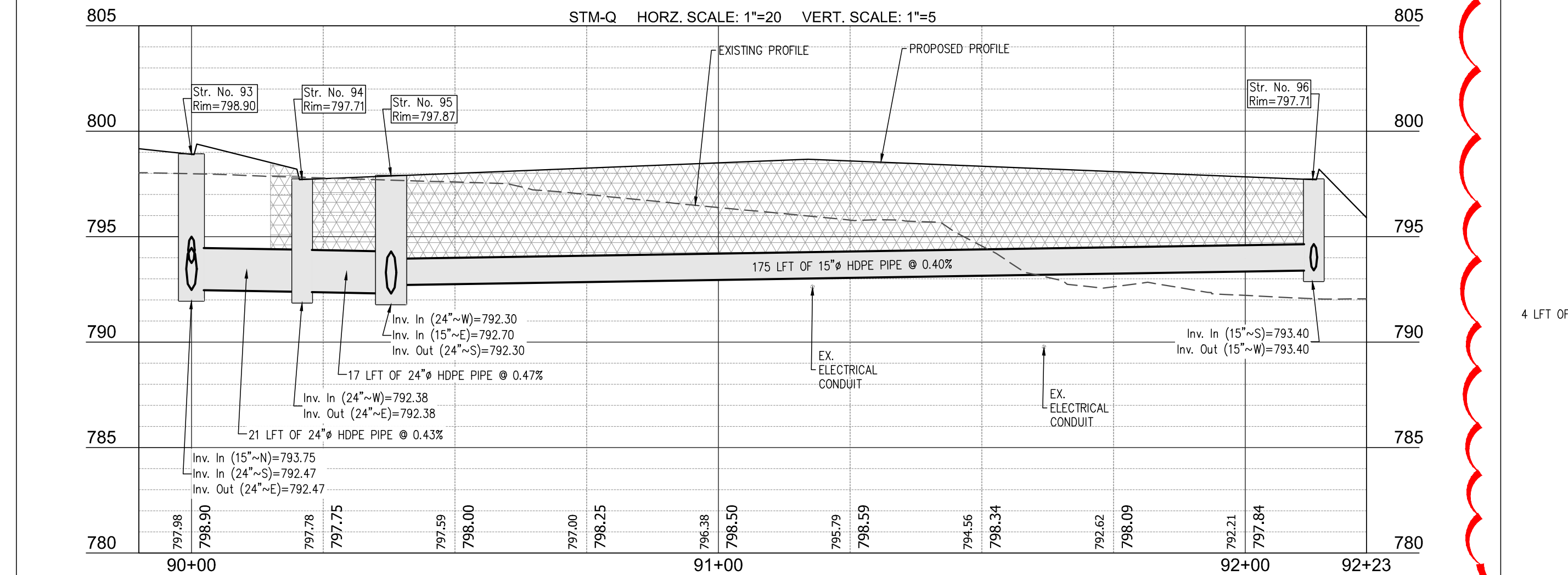
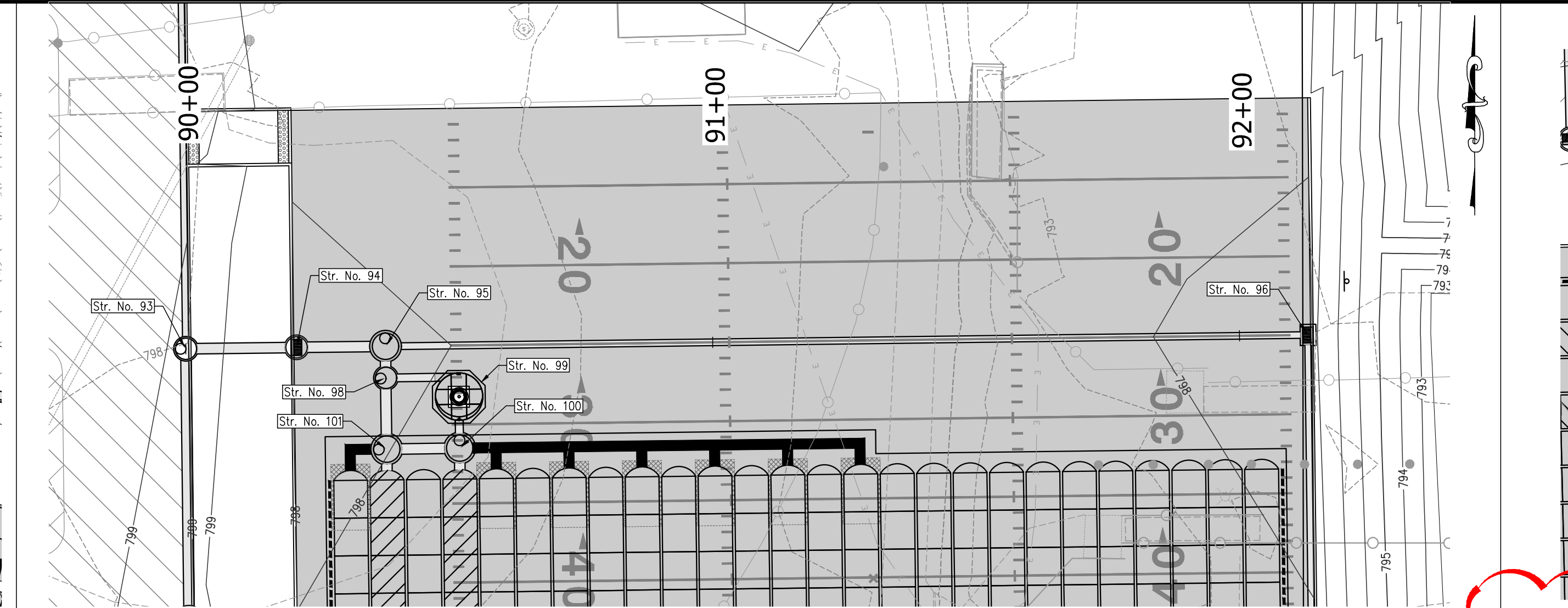
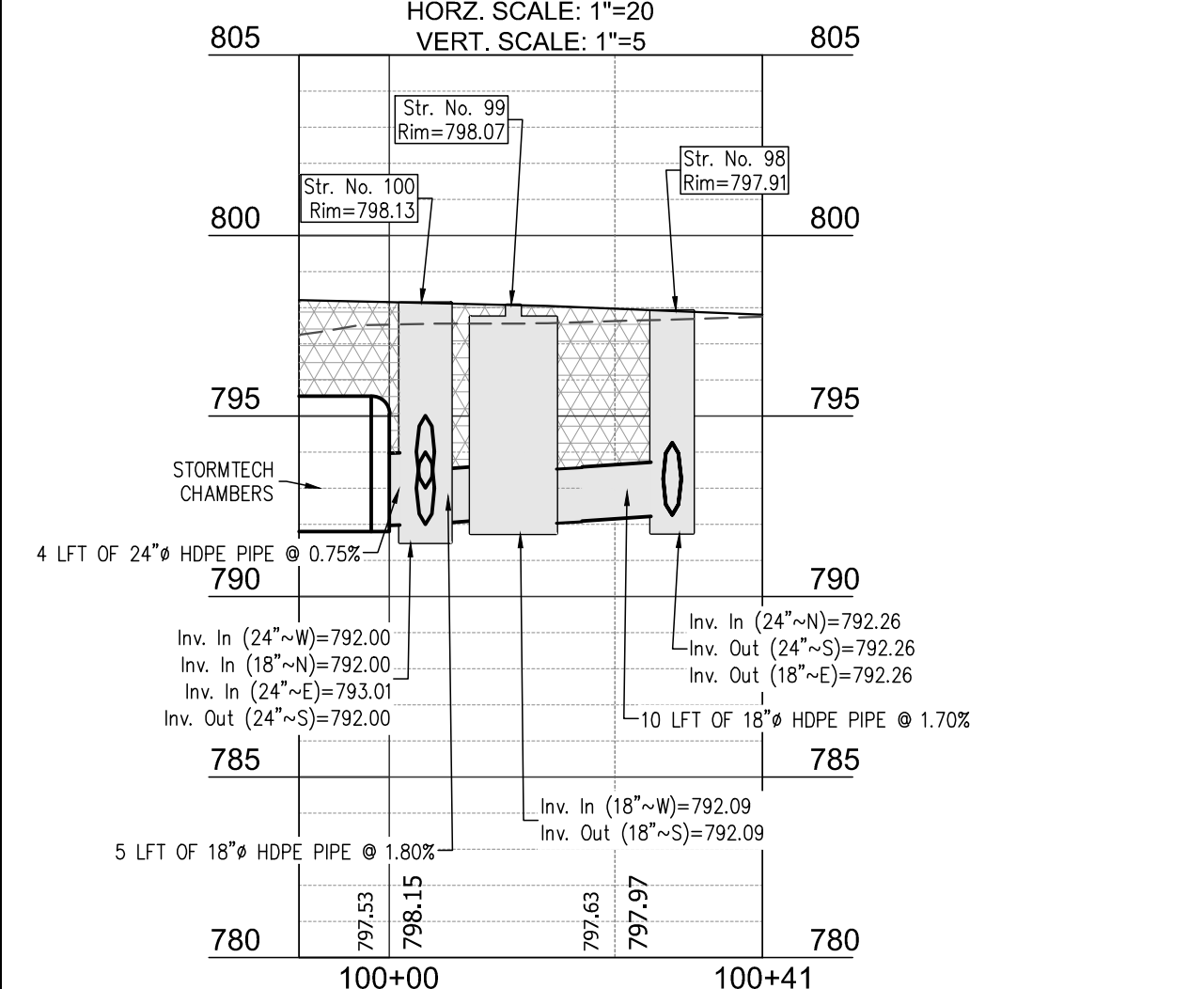
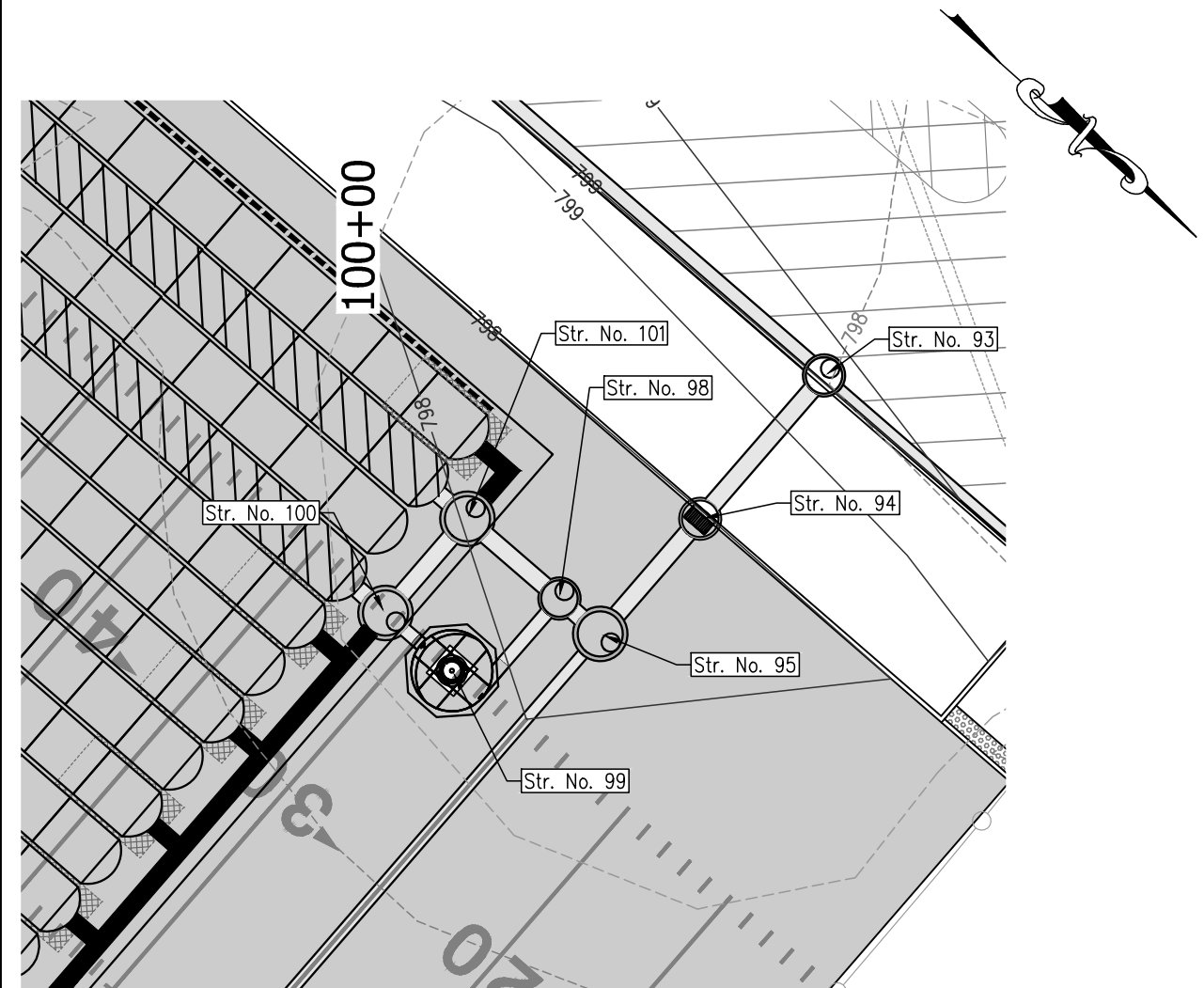
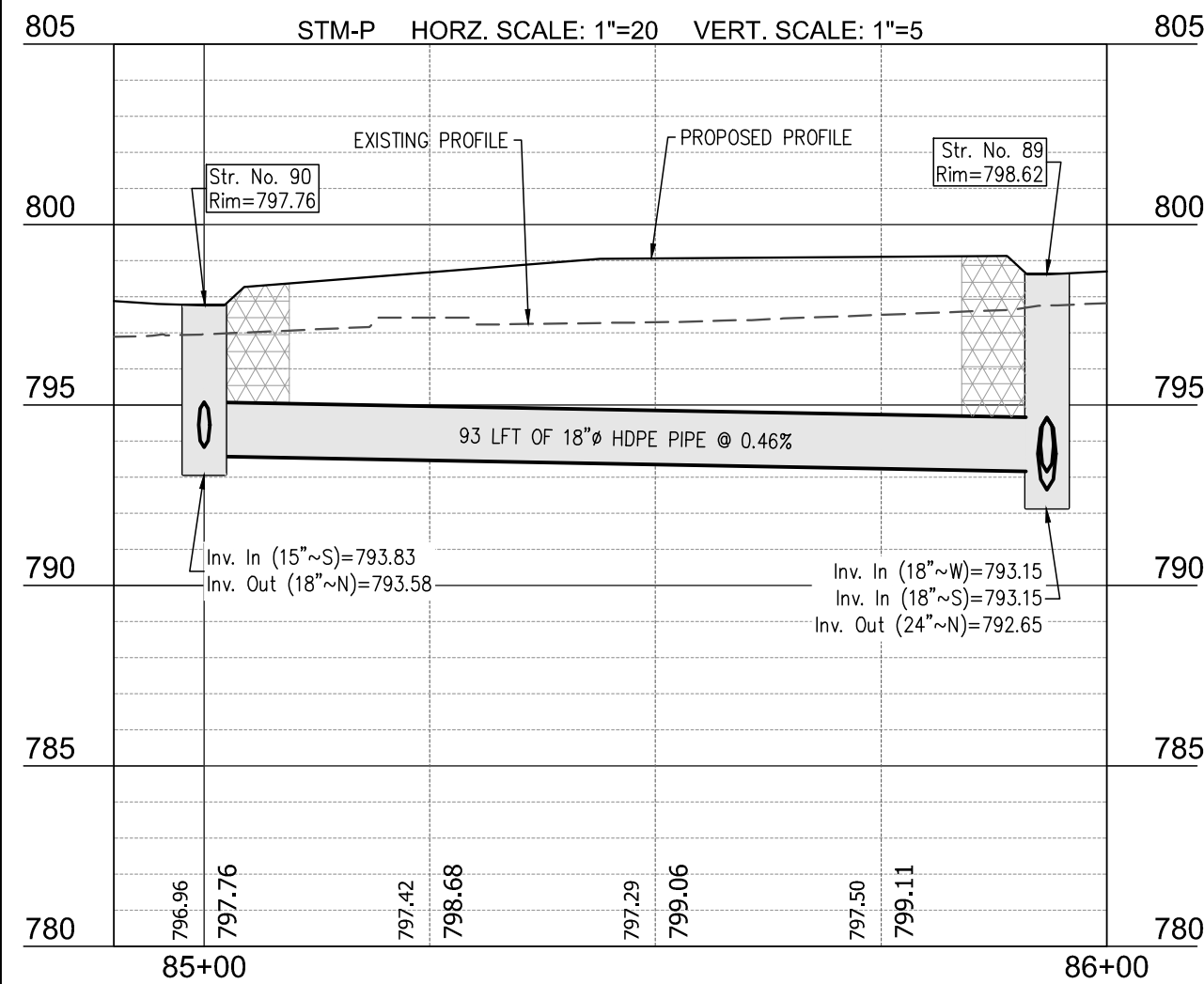
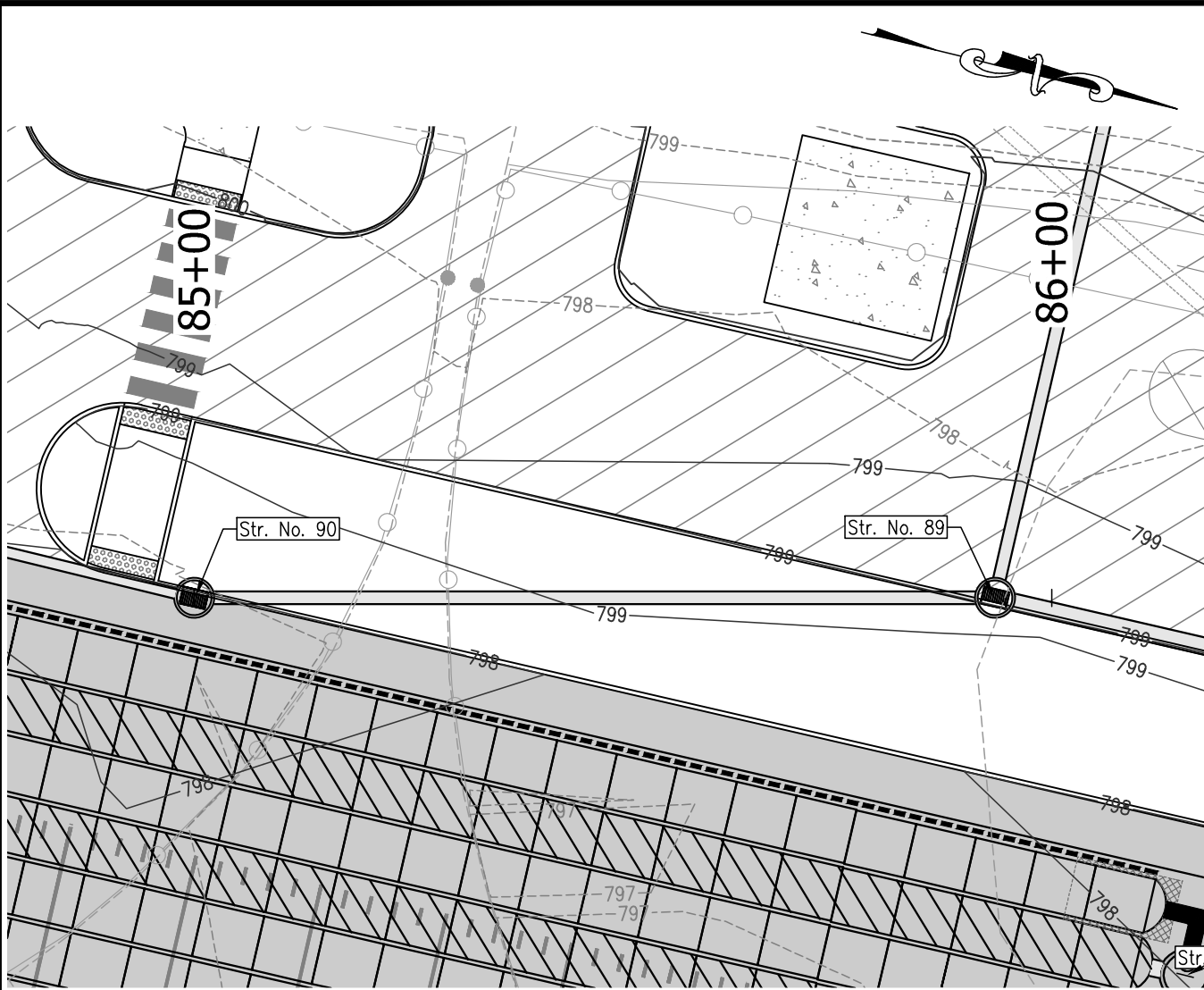
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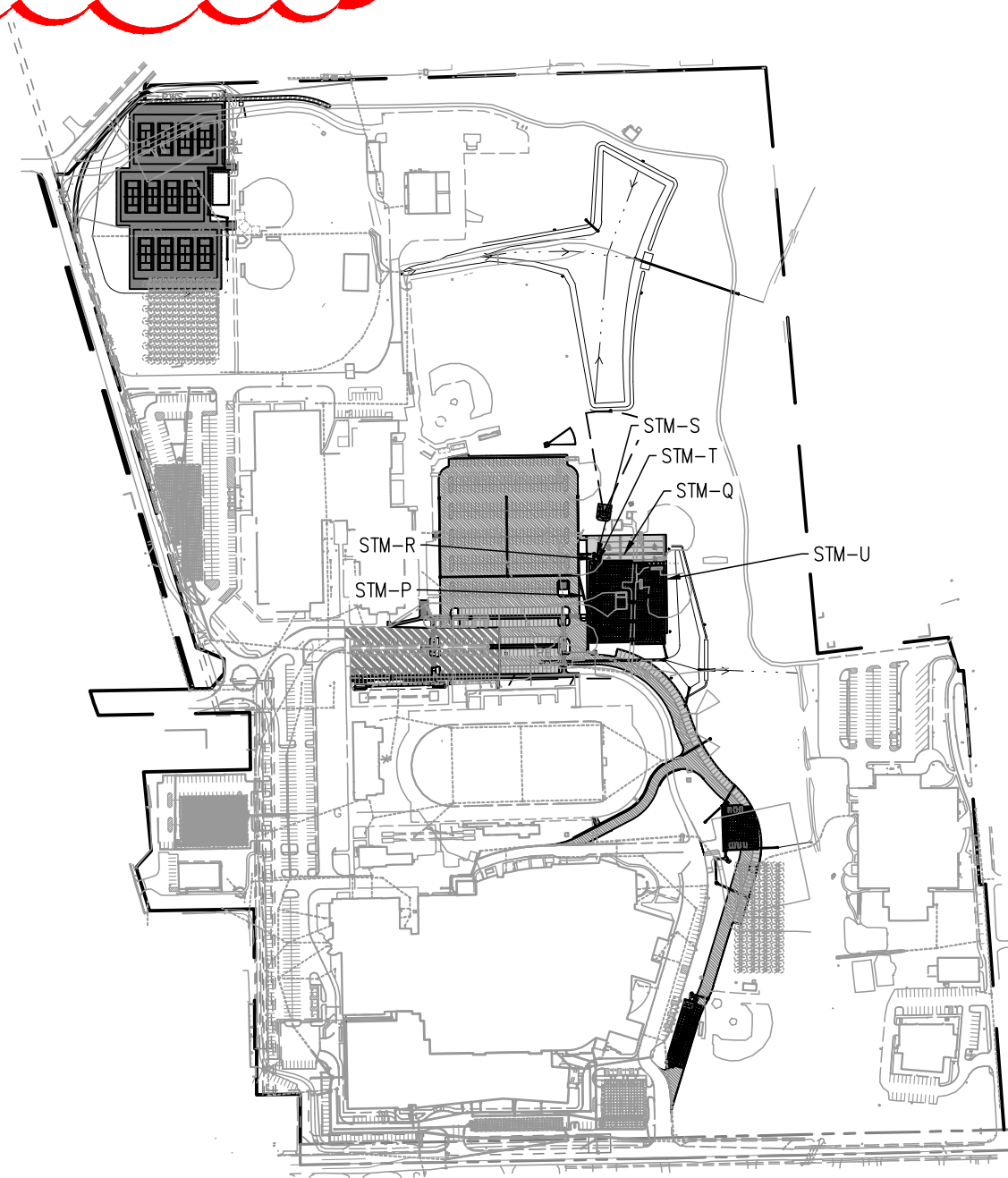
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SCALE: 1" = 20'

PROPOSED LEGEND

- EASEMENT LINE
- PERMANENT FENCE LINE
- DITCH LINE
- SANITARY SEWER WITH MANHOLE
- SANITARY SEWER LATERAL WITH CLEANOUT
- STORM SEWER W/MANHOLE & END SECTION
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NOTE:
NO EARTHWORK DISTURBING ACTIVITY MAY COMMENCE UNTIL A STORM WATER MANAGEMENT PERMIT IS OBTAINED.

INDIANA
811
Know what's below. Call before you dig.



KEYMAP
NO SCALE

CROSSROAD ENGINEERS, PC
TRANSPORTATION & DEVELOPMENT CONSULTANTS
1514 N. WINDYBROOK AVE. SUITE 100
MILWAUKEE, WI 53233-3400
TEL: 414.762.1000 FAX: 414.762.1001
WWW.CROSSROADENGINEERS.COM

STORM PLAN AND PROFILES

WHITELAND HIGH SCHOOL PHASE 2A

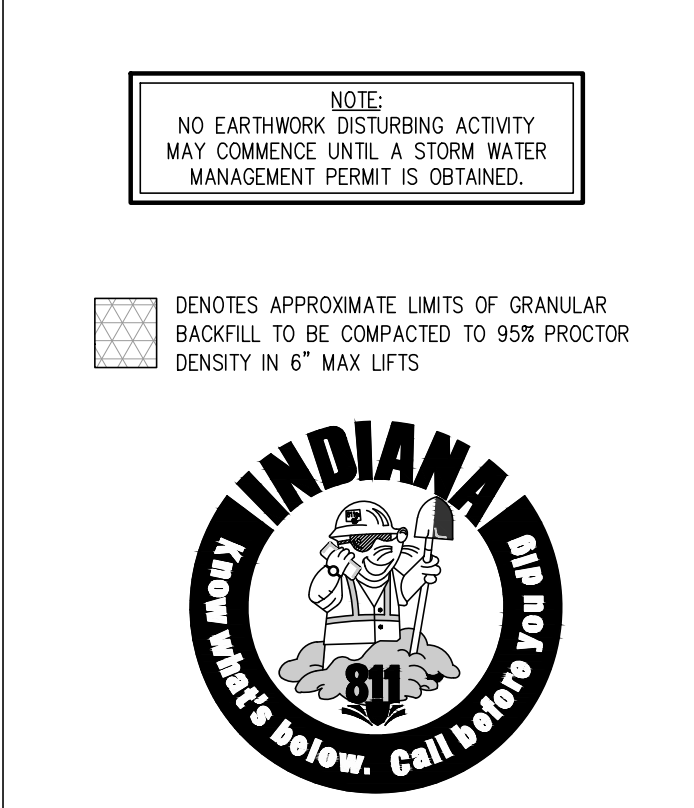
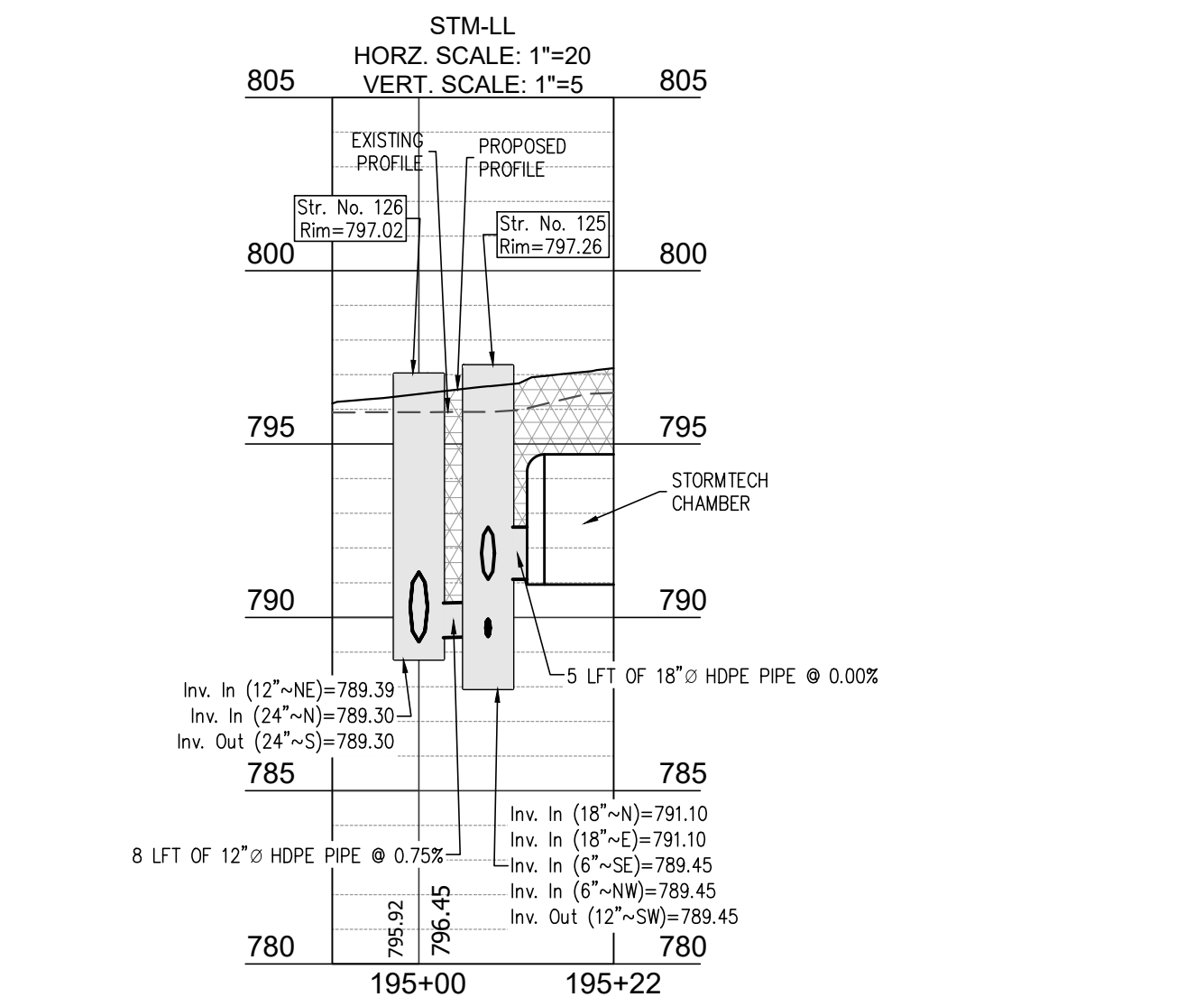
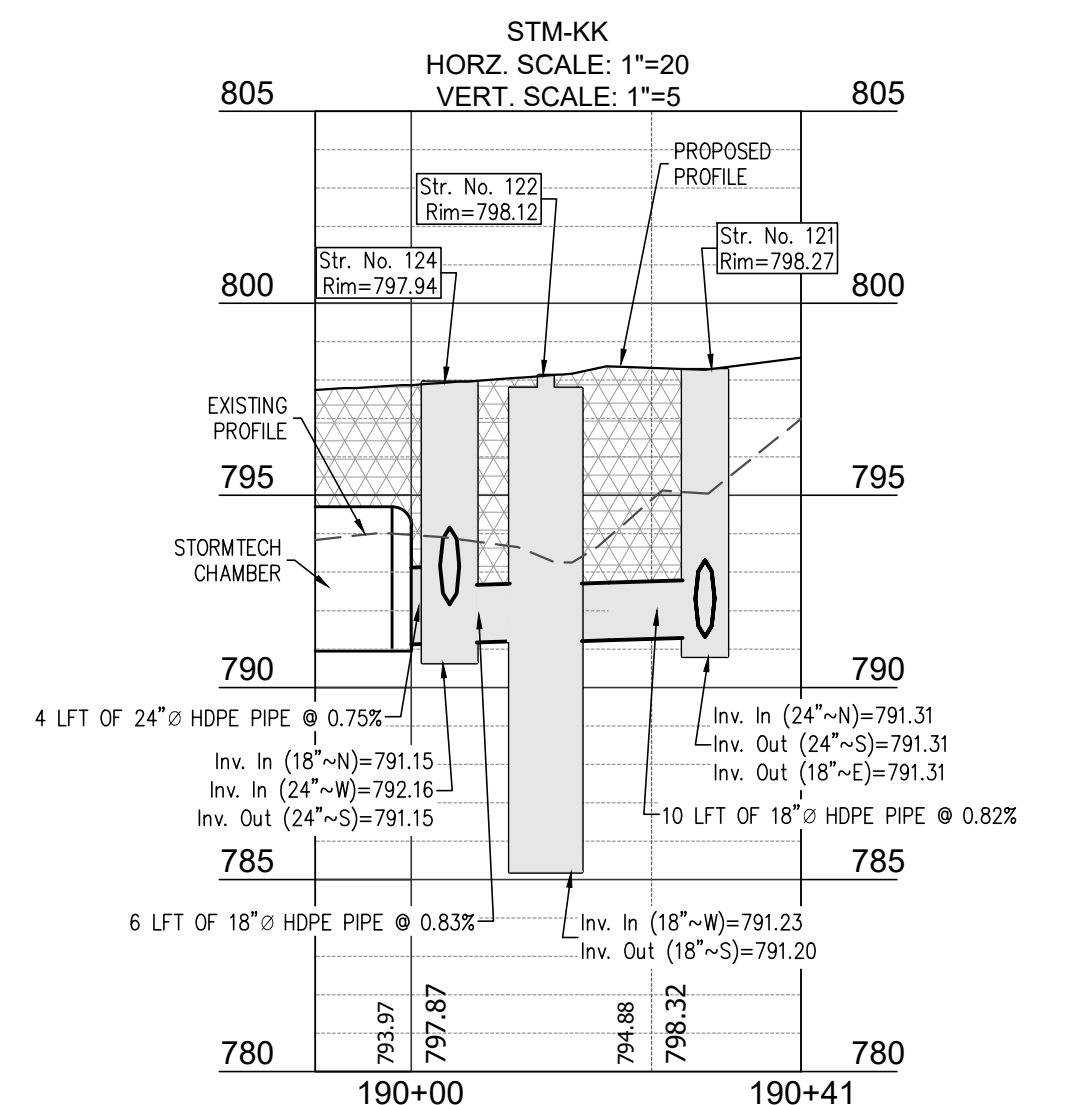
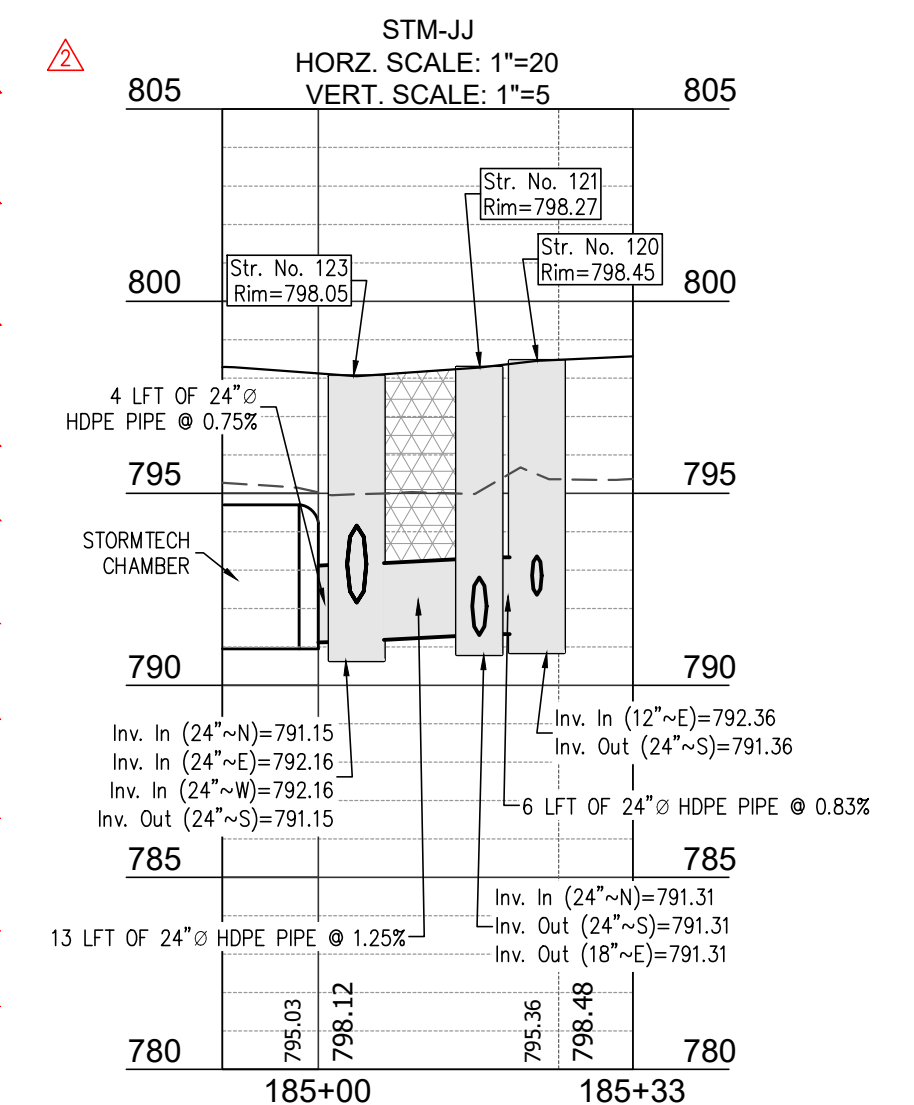
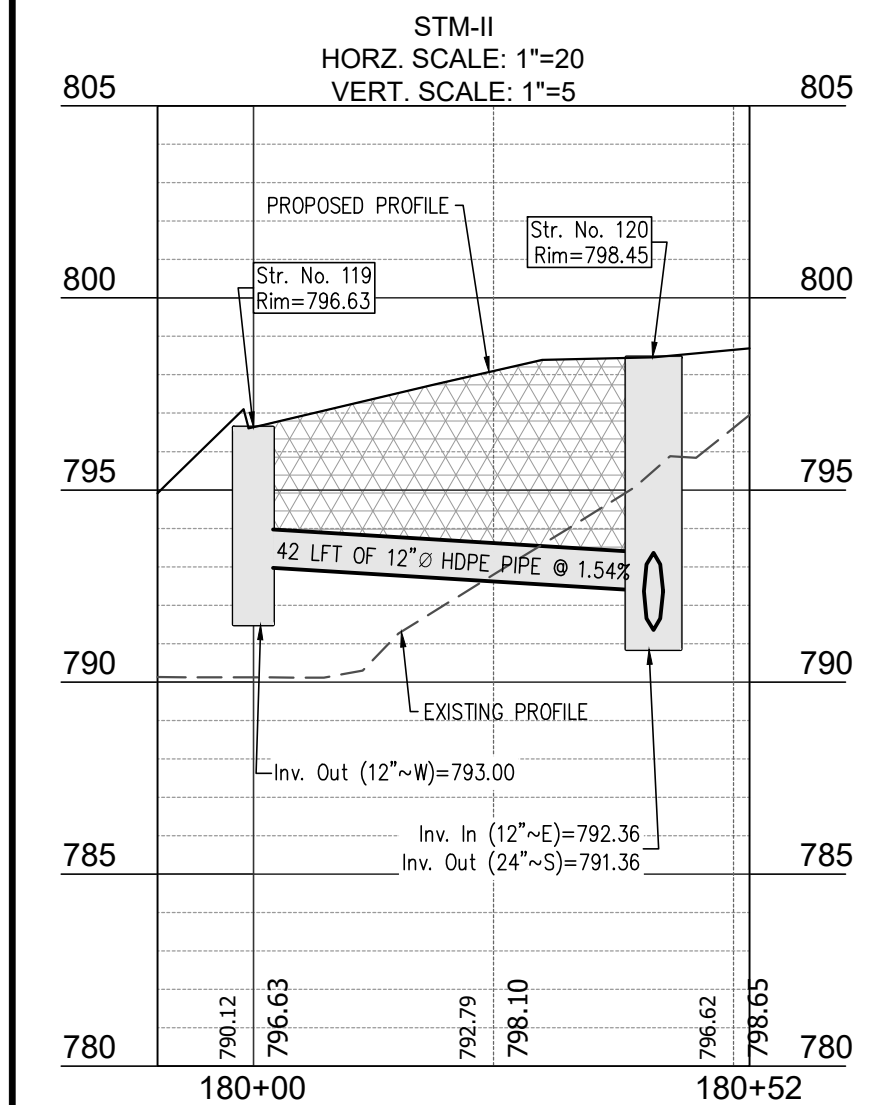
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				APRIL 02, 2024		803

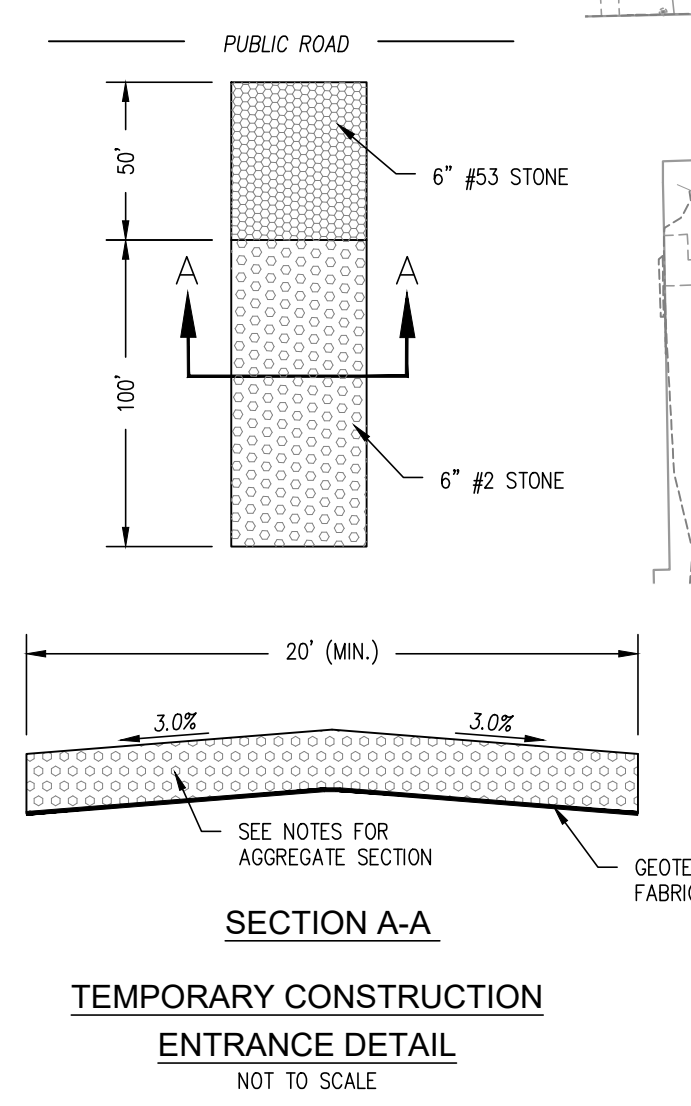
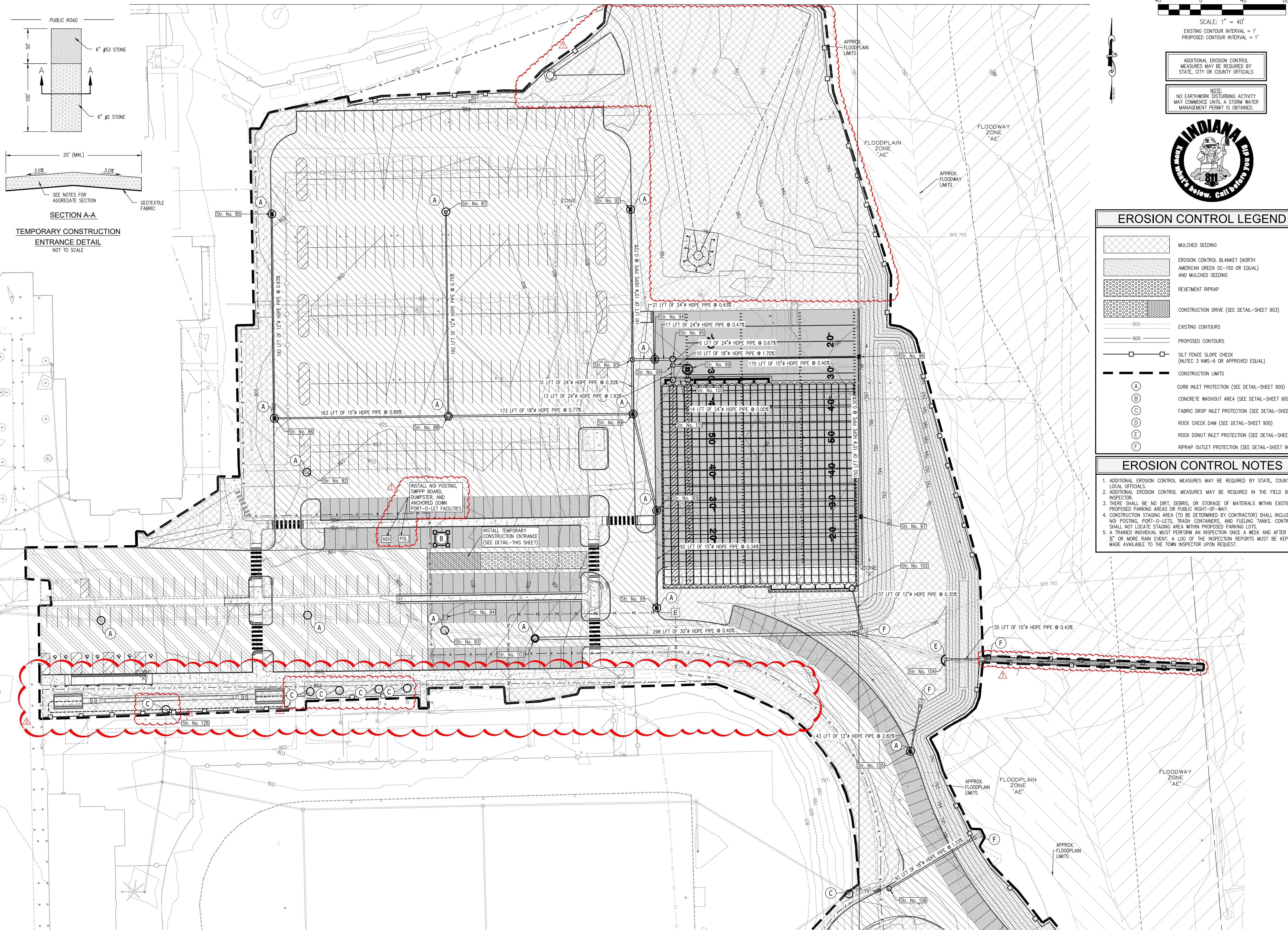
STORM PLAN AND PROFILES
WHITELAND HIGH SCHOOL PHASE 2A
JOB NO. TEN
CHECKED KLF
DESIGNED DMS
DATE APRIL 02, 2024
APPR. GJ

DEREK M. SNYDER
REGISTERED ENGINEER
NO. 11200008
STATE OF INDIANA
PROFESSIONAL

Don M. Smith



MATCHLINE- SEE SHEET 902



EROSION CONTROL LEGEND

- MULCHED SEEDING
- EROSION CONTROL BLANKET (NORTH AMERICAN GREEN SC-150 OR EQUAL) AND MULCHED SEEDING
- REVEITEMENT RIPRAP
- CONSTRUCTION DRIVE (SEE DETAIL-SHEET 903)
- EXISTING CONTOURS
- PROPOSED CONTOURS
- SILT FENCE SLOPE CHECK (NUTEC 3 NWS-6 OR APPROVED EQUAL)
- CONSTRUCTION LIMITS
- CURB INLET PROTECTION (SEE DETAIL-SHEET 900)
- CONCRETE WASHOUT AREA (SEE DETAIL-SHEET 900)
- FABRIC DROP INLET PROTECTION (SEE DETAIL-SHEET 900)
- ROCK CHECK DAM (SEE DETAIL-SHEET 900)
- ROCK DONUT INLET PROTECTION (SEE DETAIL-SHEET 900)
- RIPPAP OUTLET PROTECTION (SEE DETAIL-SHEET 900)

EROSION CONTROL NOTES

- ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY STATE, COUNTY, OR LOCAL OFFICIALS.
- ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED IN THE FIELD BY THE INSPECTOR.
- THERE SHALL BE NO DIRT, DEBRIS, OR STORAGE OF MATERIALS WITHIN EXISTING OR PROPOSED PARKING AREAS OR PUBLIC RIGHT-OF-WAY.
- CONSTRUCTION STAGING AREA (TO BE DETERMINED BY CONTRACTOR) SHALL INCLUDE THE NOI POSTING, PORT-O-LETS, TRASH CONTAINERS, AND FUELING TANKS. CONTRACTOR SHALL NOT LOCATE STAGING AREA WITHIN PROPOSED PARKING LOTS.
- A TRAINED INDIVIDUAL MUST PERFORM AN INSPECTION ONCE A WEEK AND AFTER EVERY 1/2" OR MORE RAIN EVENT. A LOG OF THE INSPECTION REPORTS MUST BE KEPT AND MADE AVAILABLE TO THE TOWN INSPECTOR UPON REQUEST.

40 0 40 80

SCALE: 1" = 40'

EXISTING CONTOUR INTERVAL = 1'

PROPOSED CONTOUR INTERVAL = 1'

ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY STATE, CITY OR COUNTY OFFICIALS

NOTE:
NO EARTHWORK DISTURBING ACTIVITY MAY COMMENCE UNTIL A STORM WATER MANAGEMENT PERMIT IS OBTAINED.

INDIANA
REGISTERED PROFESSIONAL ENGINEER
No. 11200008
Derek M. Snyder

EROSION CONTROL PLAN

WHITELAND HIGH SCHOOL PHASE 2A

CROSSROAD ENGINEERS, PC
1114 N. 17th Street, Suite 100
Indianapolis, IN 46103
Tel: 317.541.1111
Fax: 317.541.1112
Email: info@crossroadeng.com

REVISIONS

NO.	DATE	BY	REVISIONS
1	04.23.24		
2	05.02.24		
3			
4			
5			
6			
7			
8			
9			

DESIGN

DATE	APRIL 02, 2024
DESIGNED	
DRAWN	
CHECKED	TEN
APPROVED	GJ

PROJECT INFORMATION

JOB NO.	DATE	DESIGNED	DRAWN	CHECKED	APPROVED
	APRIL 02, 2024			TEN	GJ

REGISTERED PROFESSIONAL ENGINEER
Derek M. Snyder
No. 11200008
STATE OF INDIANA

Derek M. Snyder

REVISIONS PER ADDENDUM NO. 1

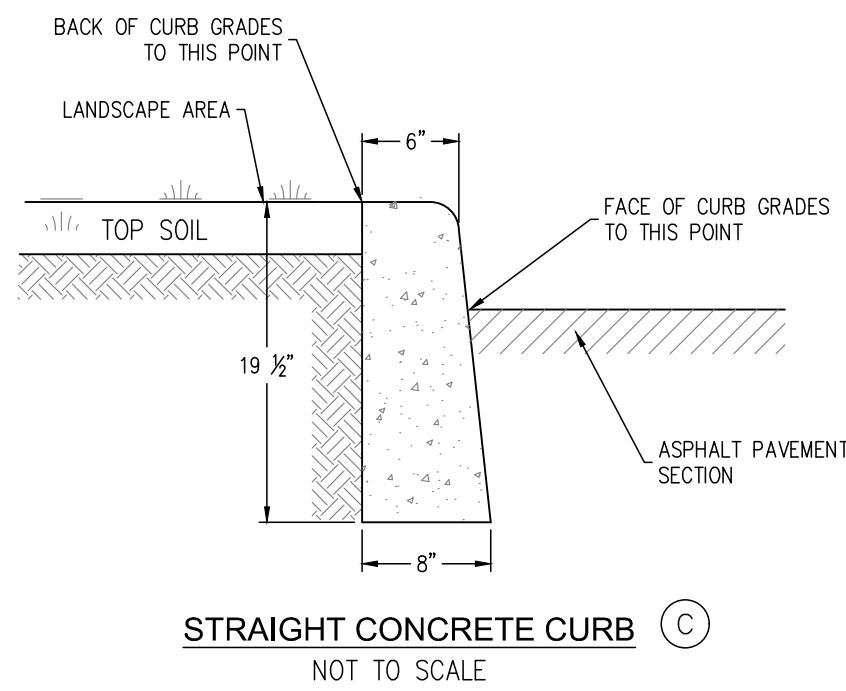
NO.	DATE	BY	REVISIONS
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2	05.02.24		
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SHEET 903

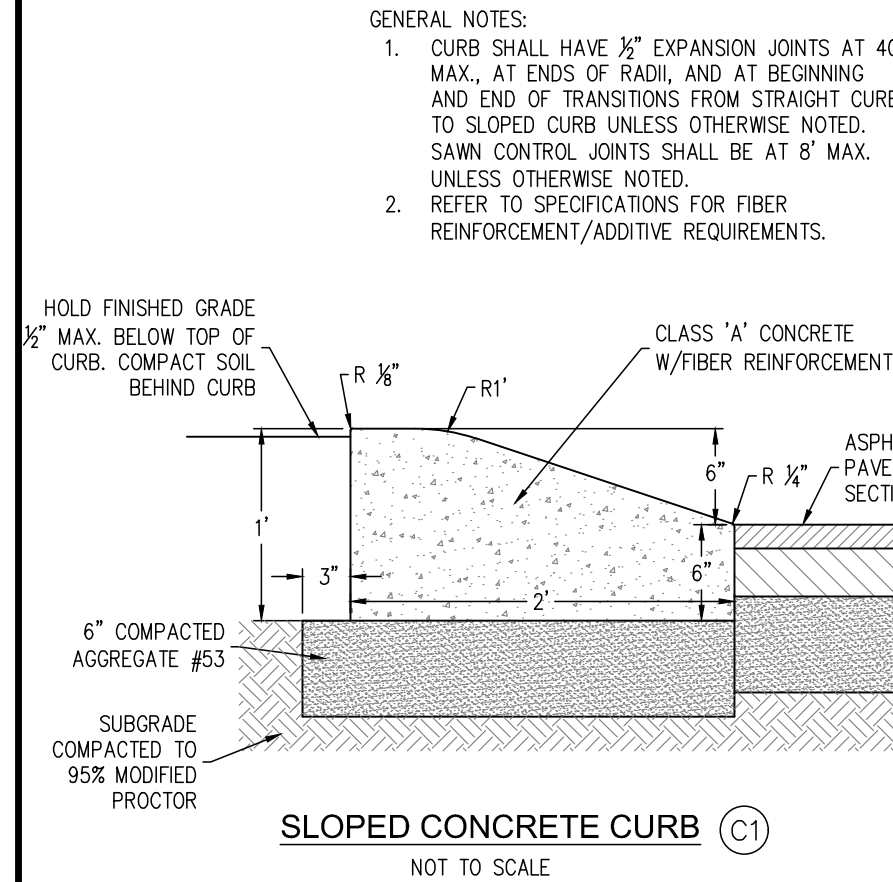
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PROJECT: WHITELAND HIGH SCHOOL PHASE 2A
DATE: 04/23/24
USER: JKS

MATCHLINE- SEE SHEET 904

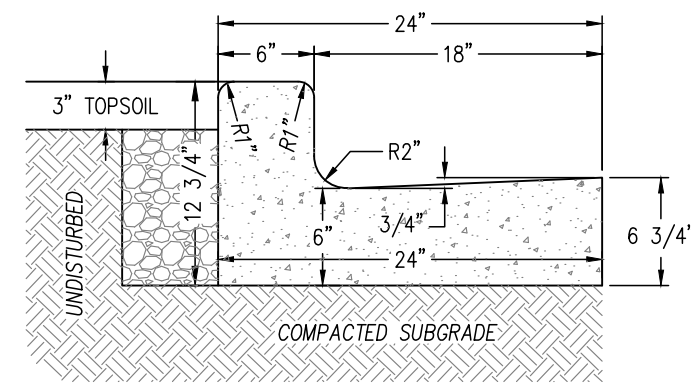
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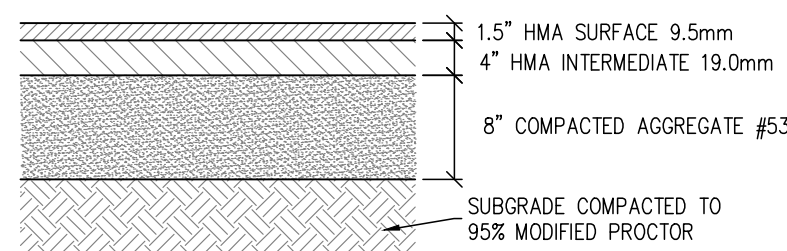
STRAIGHT CONCRETE CURB (C)
NOT TO SCALE



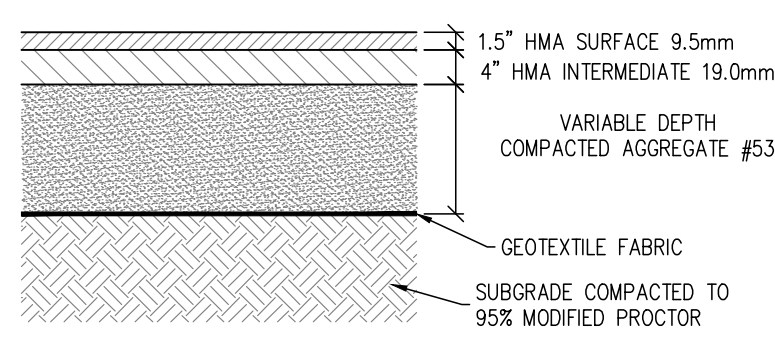
SLOPED CONCRETE CURB (C1)
NOT TO SCALE



CONCRETE CURB AND GUTTER TYPE 'II' (C2)
NOT TO SCALE

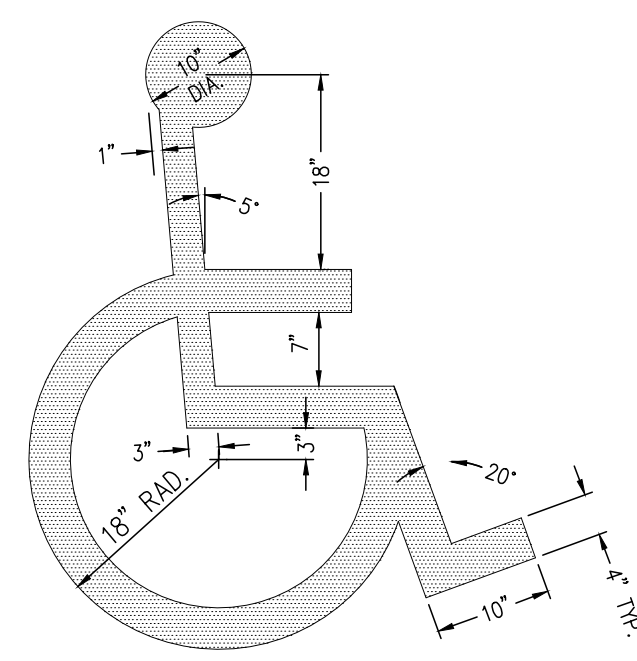


HEAVY DUTY ASPHALT PAVEMENT (K2)
NOT TO SCALE

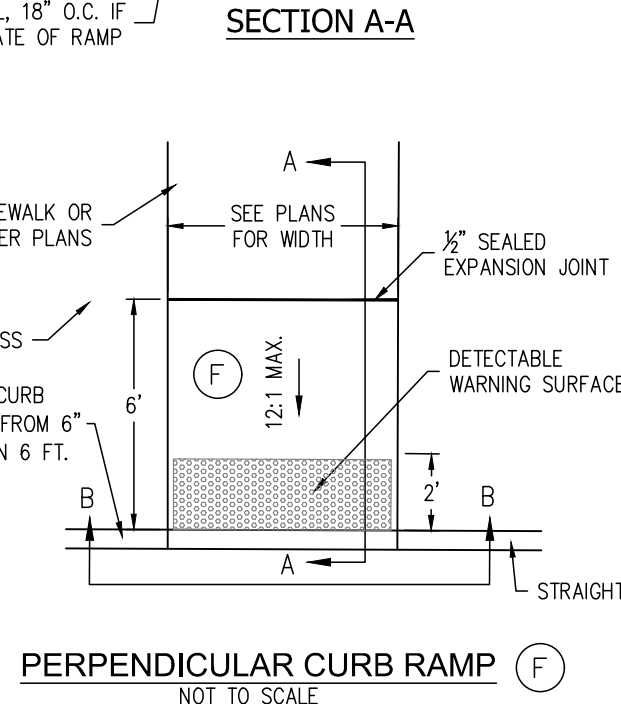
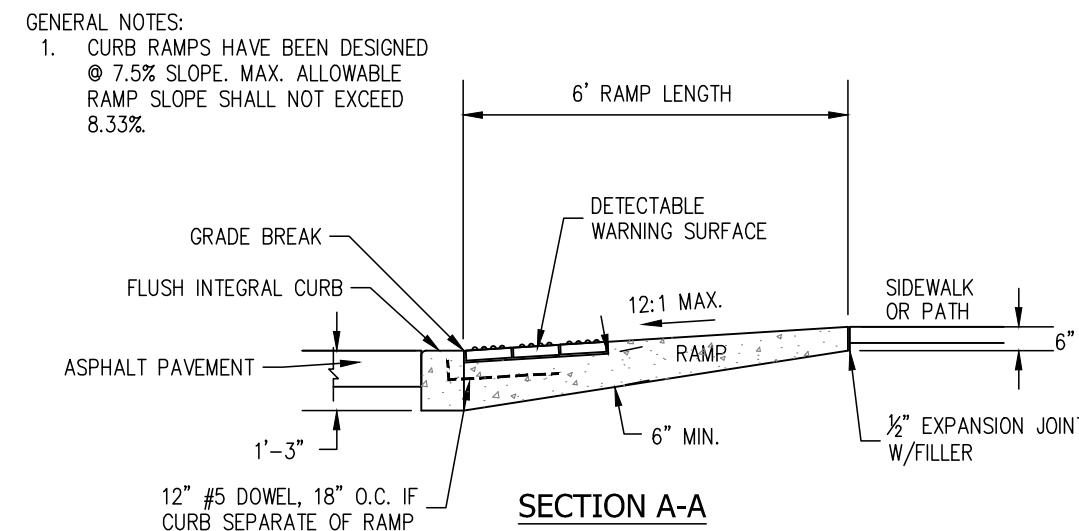
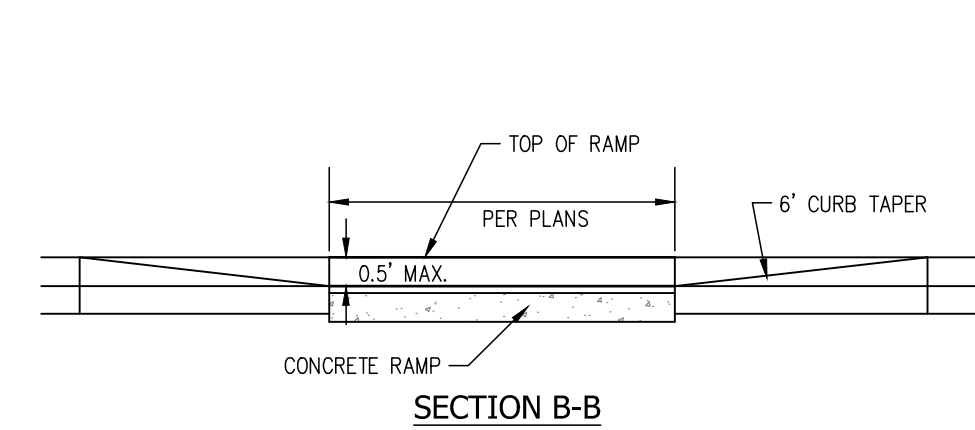


TYPICAL SECTION - HEAVY DUTY ASPHALT PAVEMENT OVER DETENTION (K3)
NOT TO SCALE

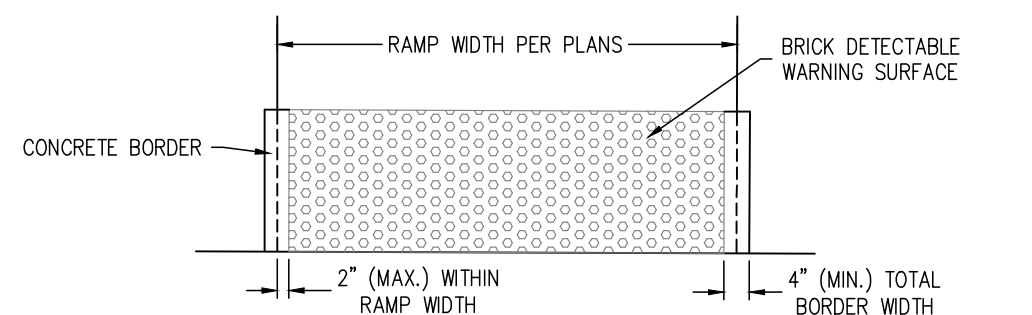
- NOTES:
1. ALL MARKINGS TO BE 4 INCHES, SOLID BLUE
2. THE A.D.A. PARKING SYMBOL SHALL MEET CURRENT A.D.A. REQUIREMENTS



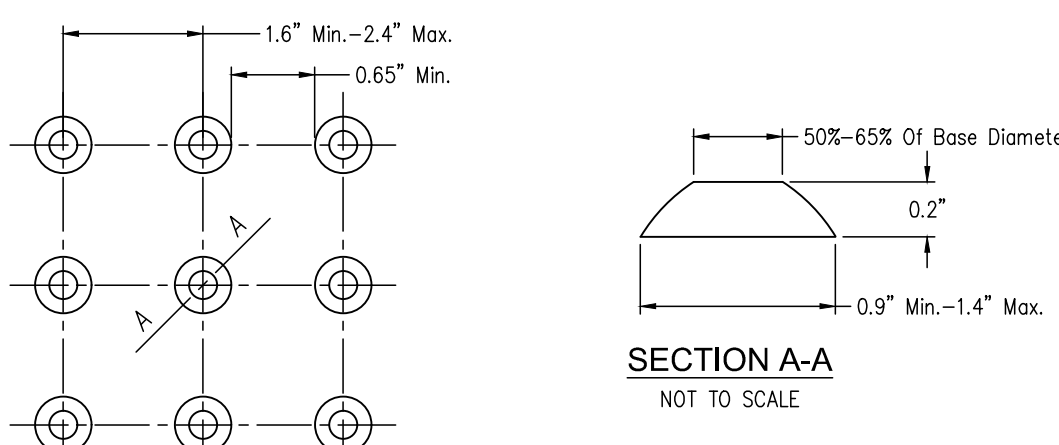
PAVEMENT MESSAGE MARKING A.D.A. SYMBOL (3)
NOT TO SCALE



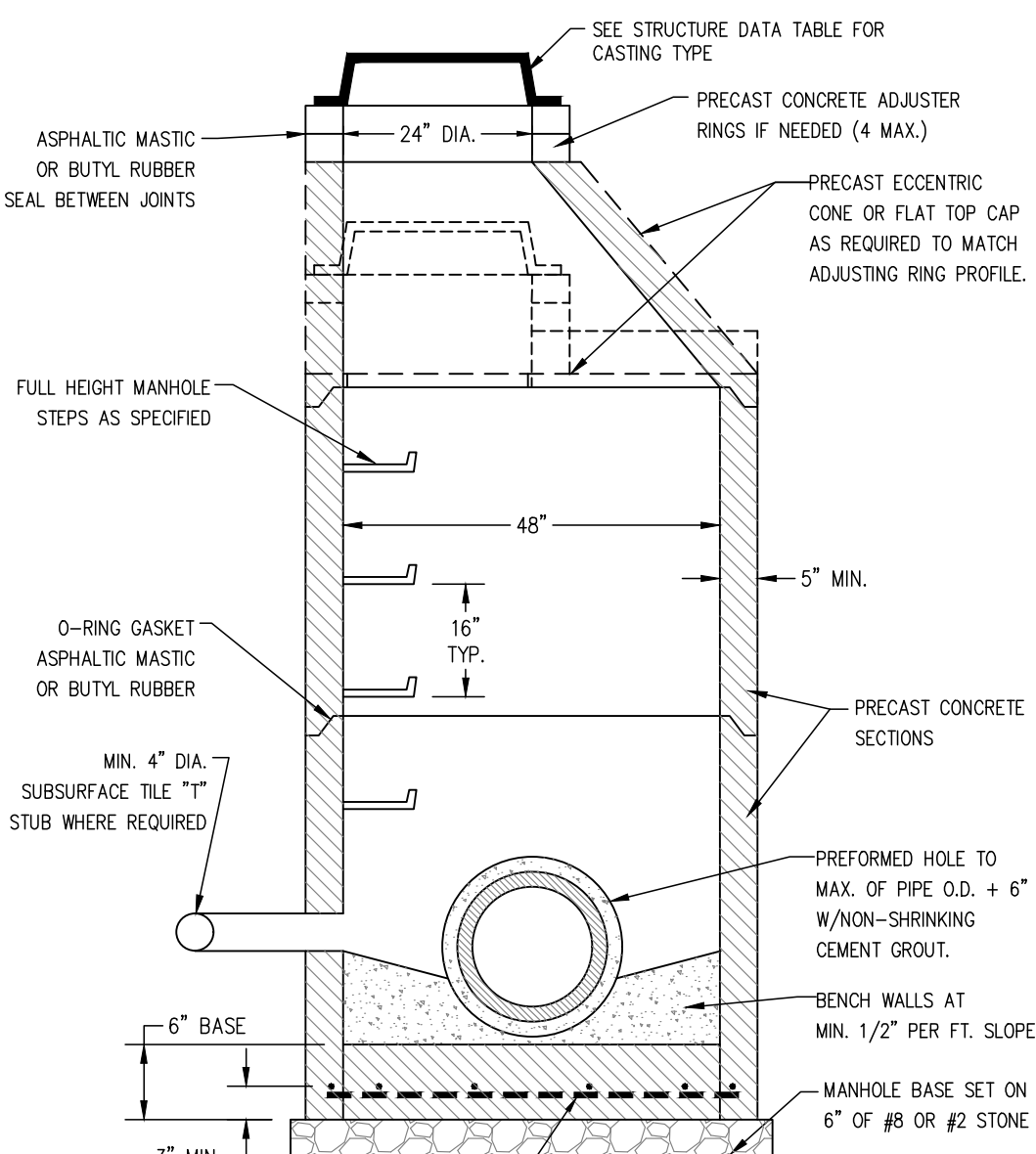
PERPENDICULAR CURB RAMP (F)
NOT TO SCALE



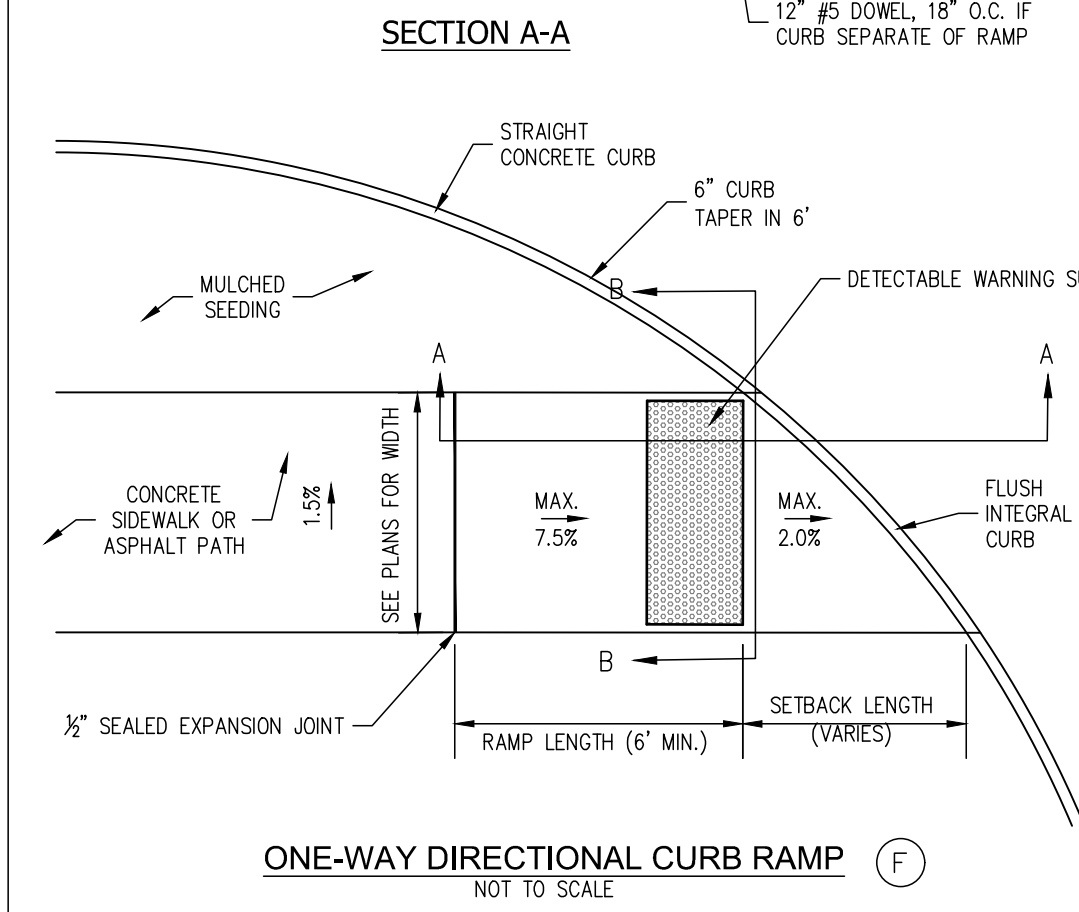
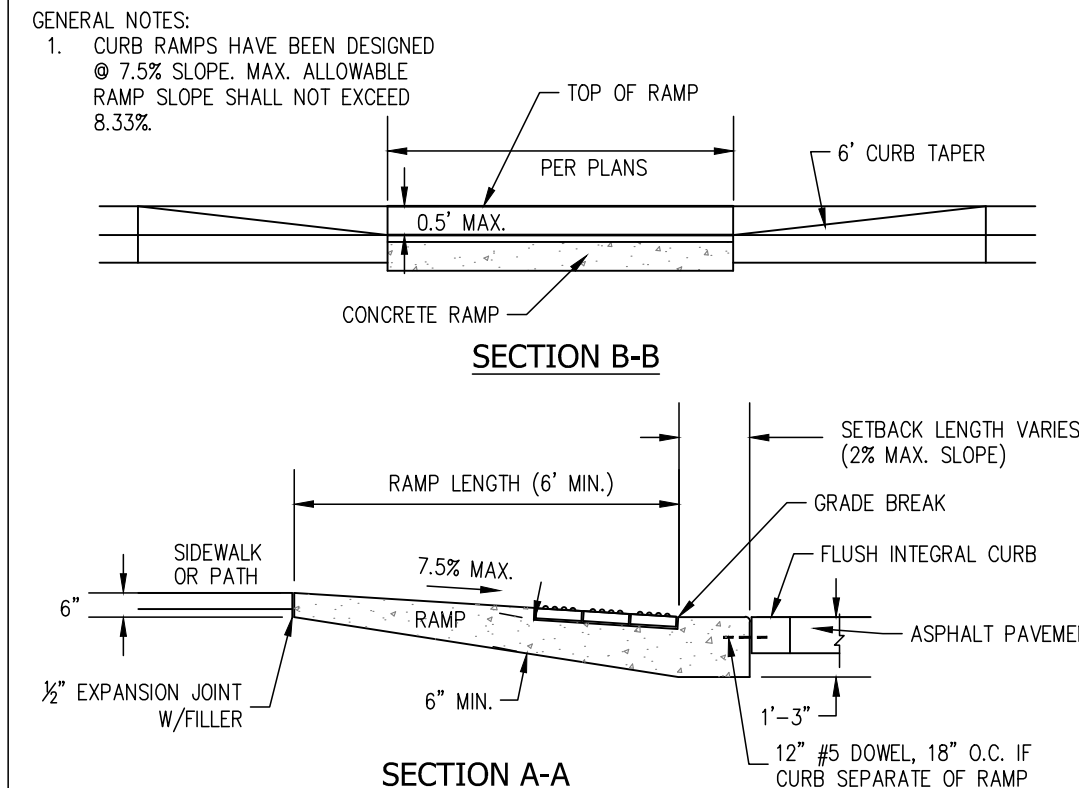
BRICK DETECTABLE WARNING SURFACE W/CONCRETE BORDER
NOT TO SCALE



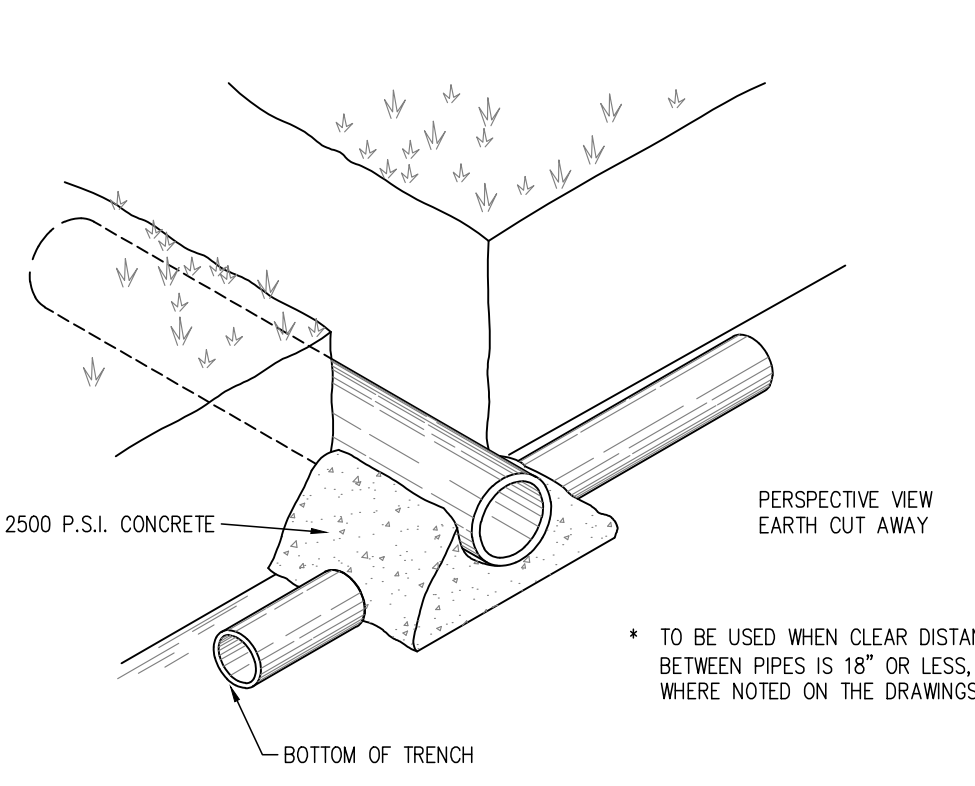
DETECTABLE WARNING ELEMENT - TRUNCATED DOMES
NOT TO SCALE



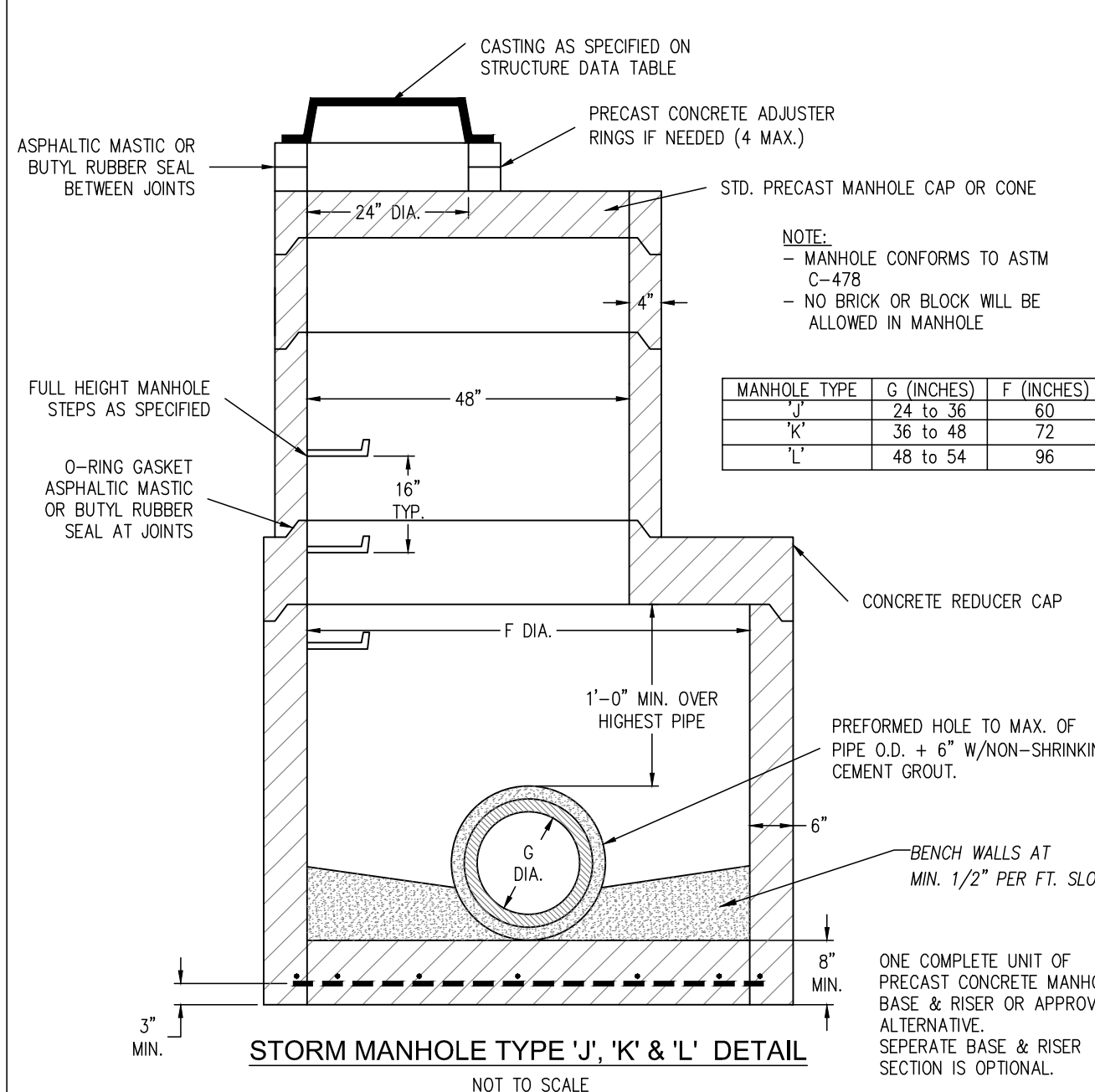
STORM MANHOLE TYPE 'C' DETAIL (FOR PIPE SIZES 12" THRU 24")
NOT TO SCALE



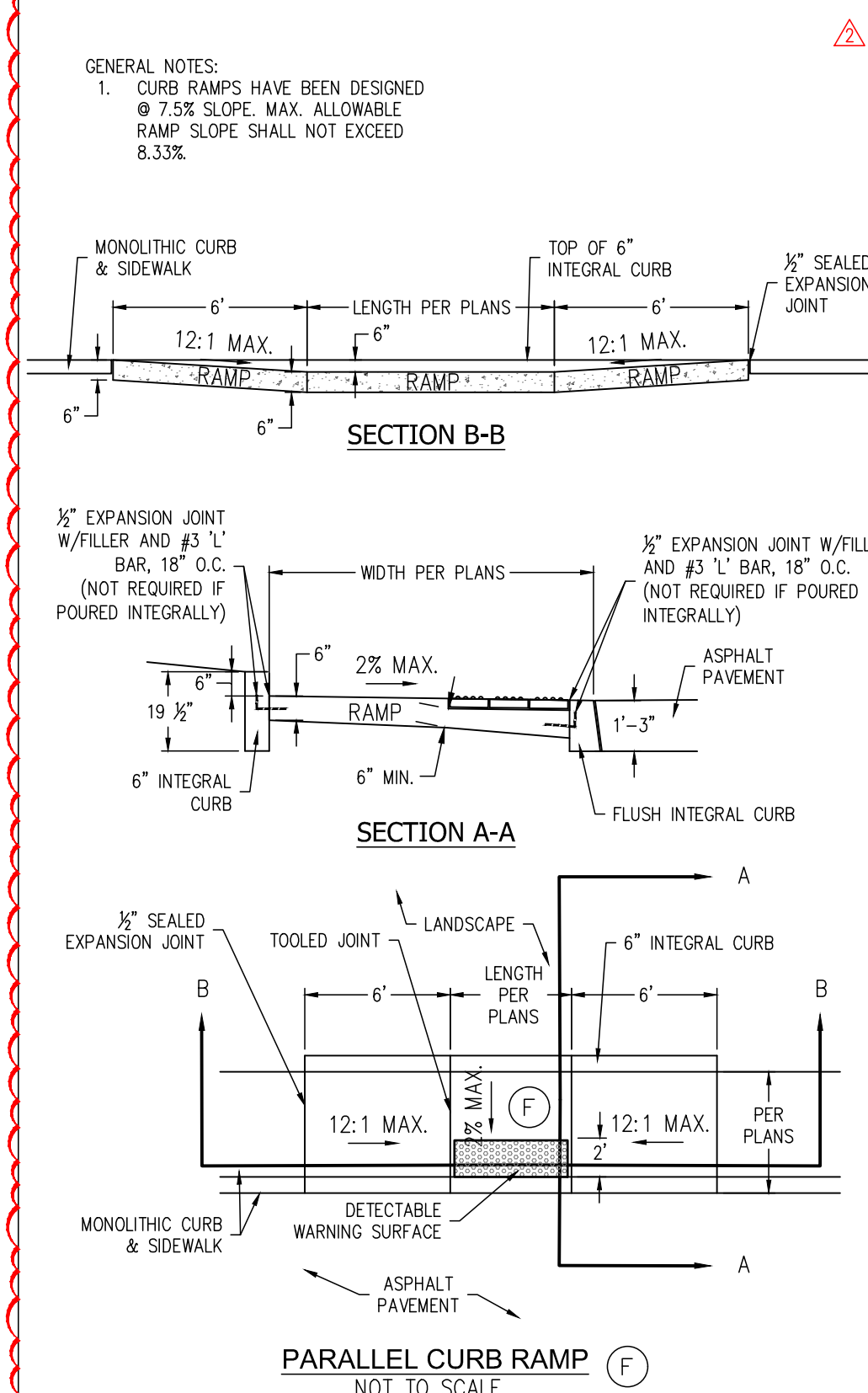
ONE-WAY DIRECTIONAL CURB RAMP (F)
NOT TO SCALE



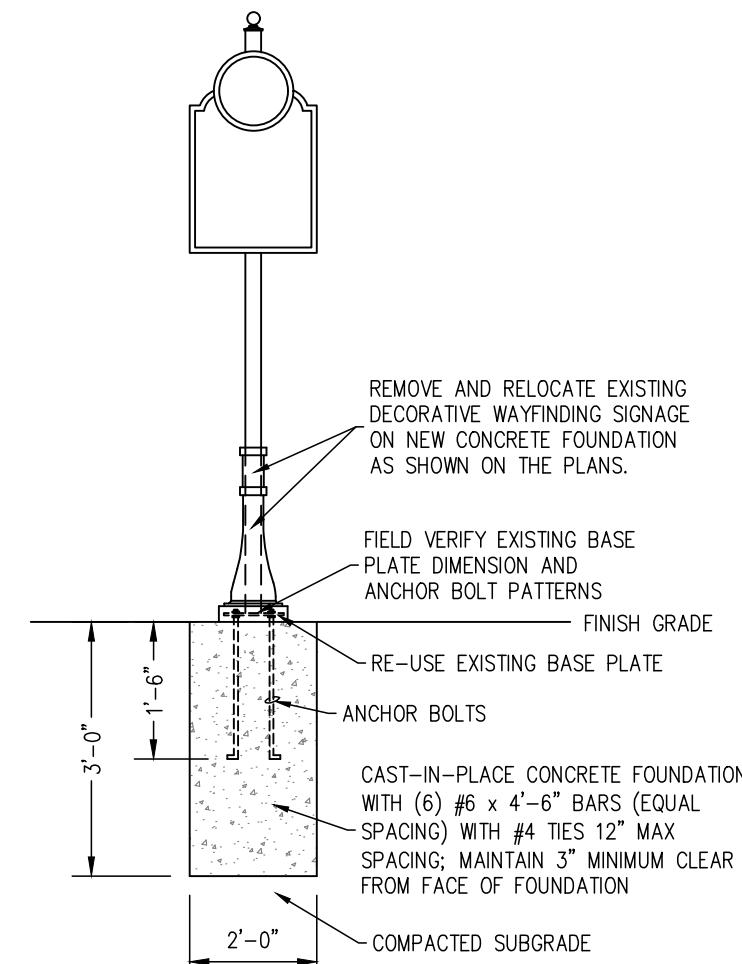
CONCRETE CRADLE DETAIL
NOT TO SCALE



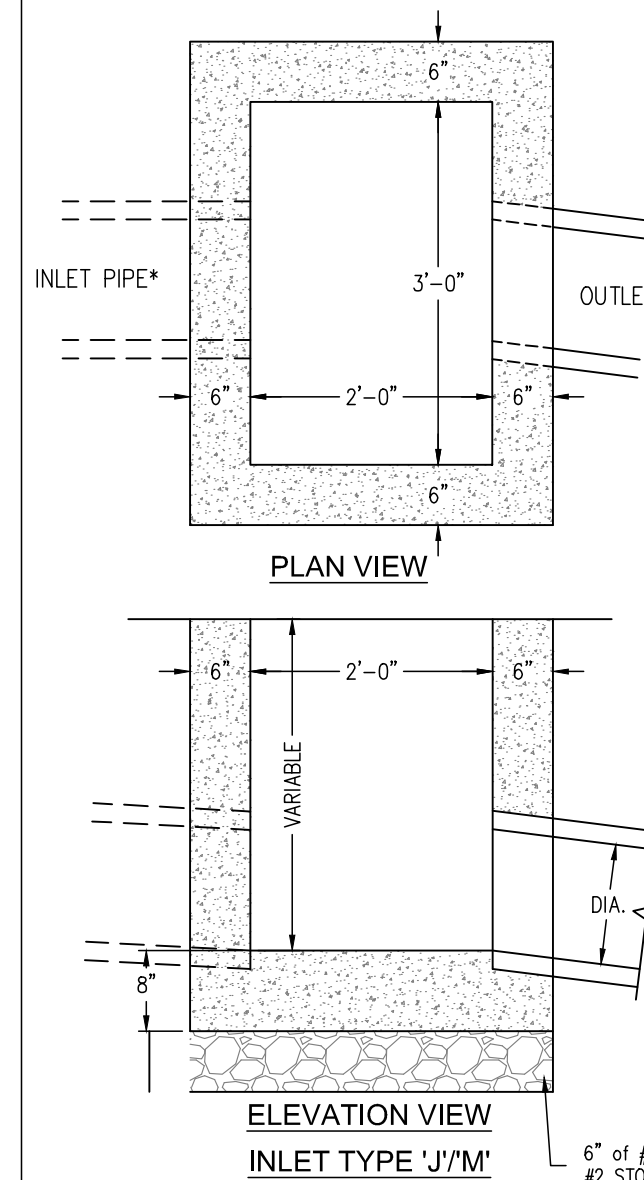
STORM MANHOLE TYPE 'J', 'K' & 'L' DETAIL
NOT TO SCALE



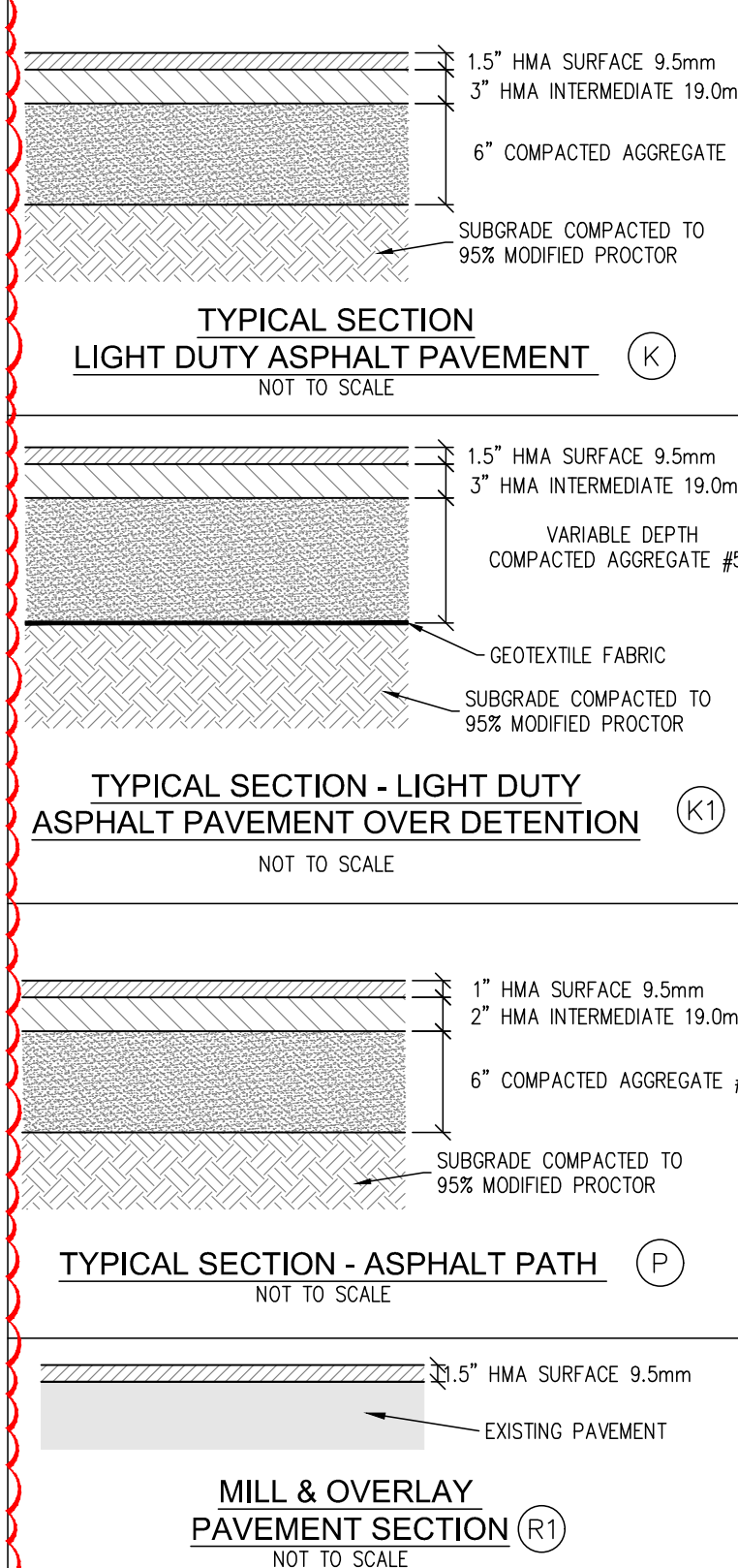
PARALLEL CURB RAMP (F)
NOT TO SCALE



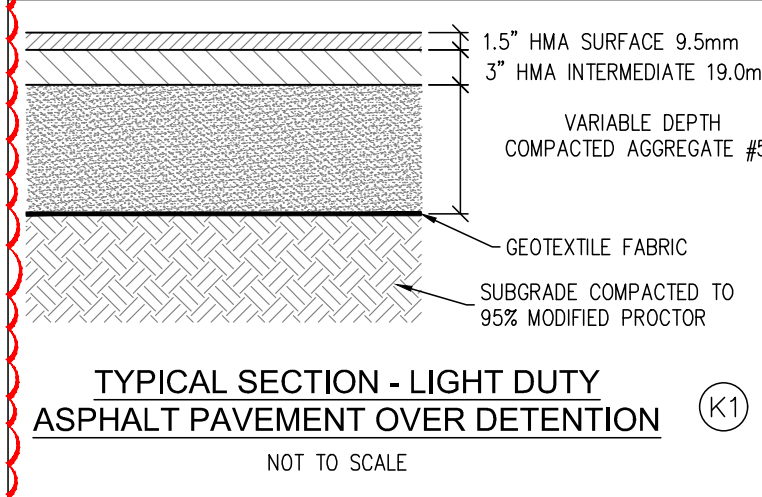
WAYFINDING SIGNAGE FOUNDATION
NOT TO SCALE



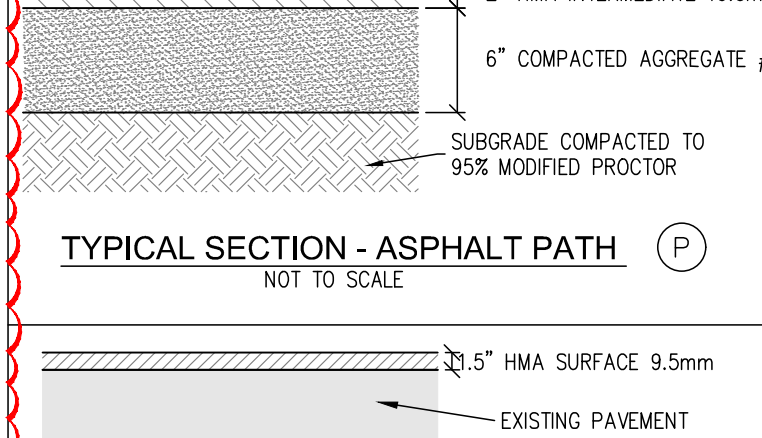
WAYFINDING SIGNAGE FOUNDATION
NOT TO SCALE



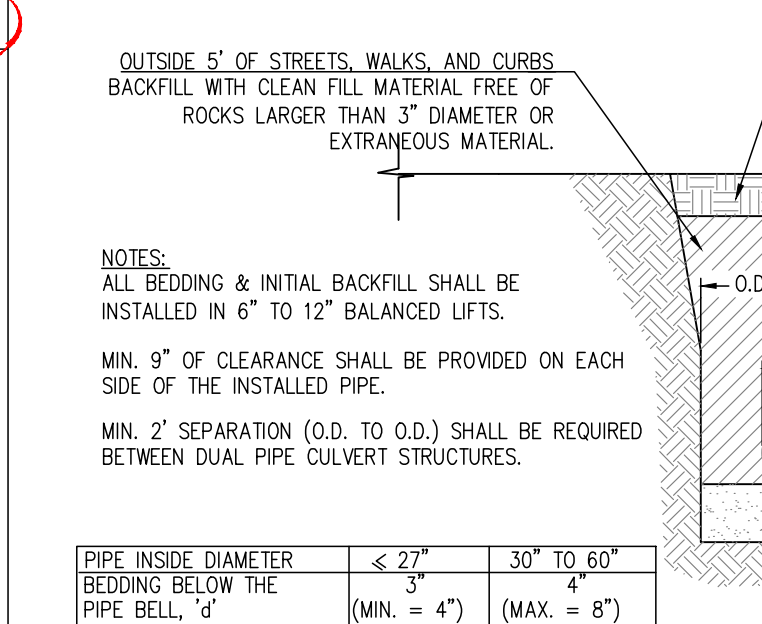
TYPICAL SECTION LIGHT DUTY ASPHALT PAVEMENT (K)
NOT TO SCALE



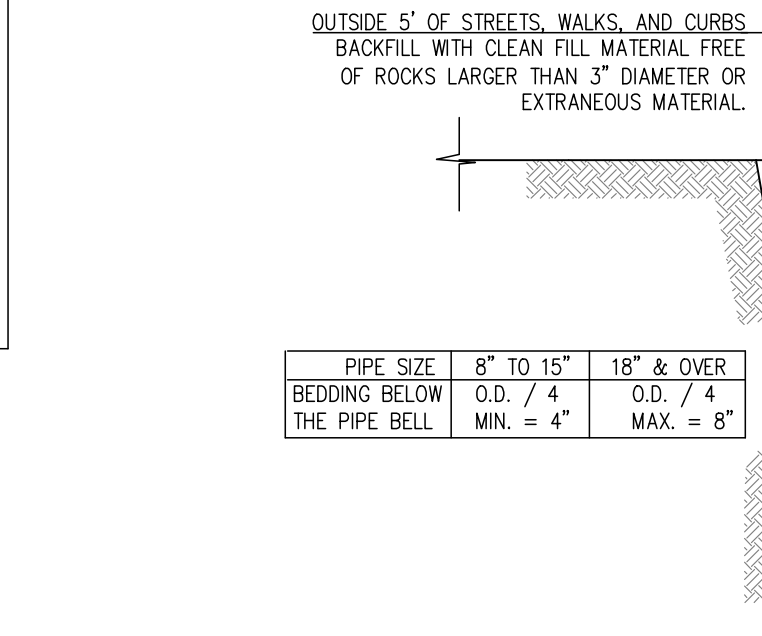
TYPICAL SECTION - LIGHT DUTY ASPHALT PAVEMENT OVER DETENTION (K1)
NOT TO SCALE



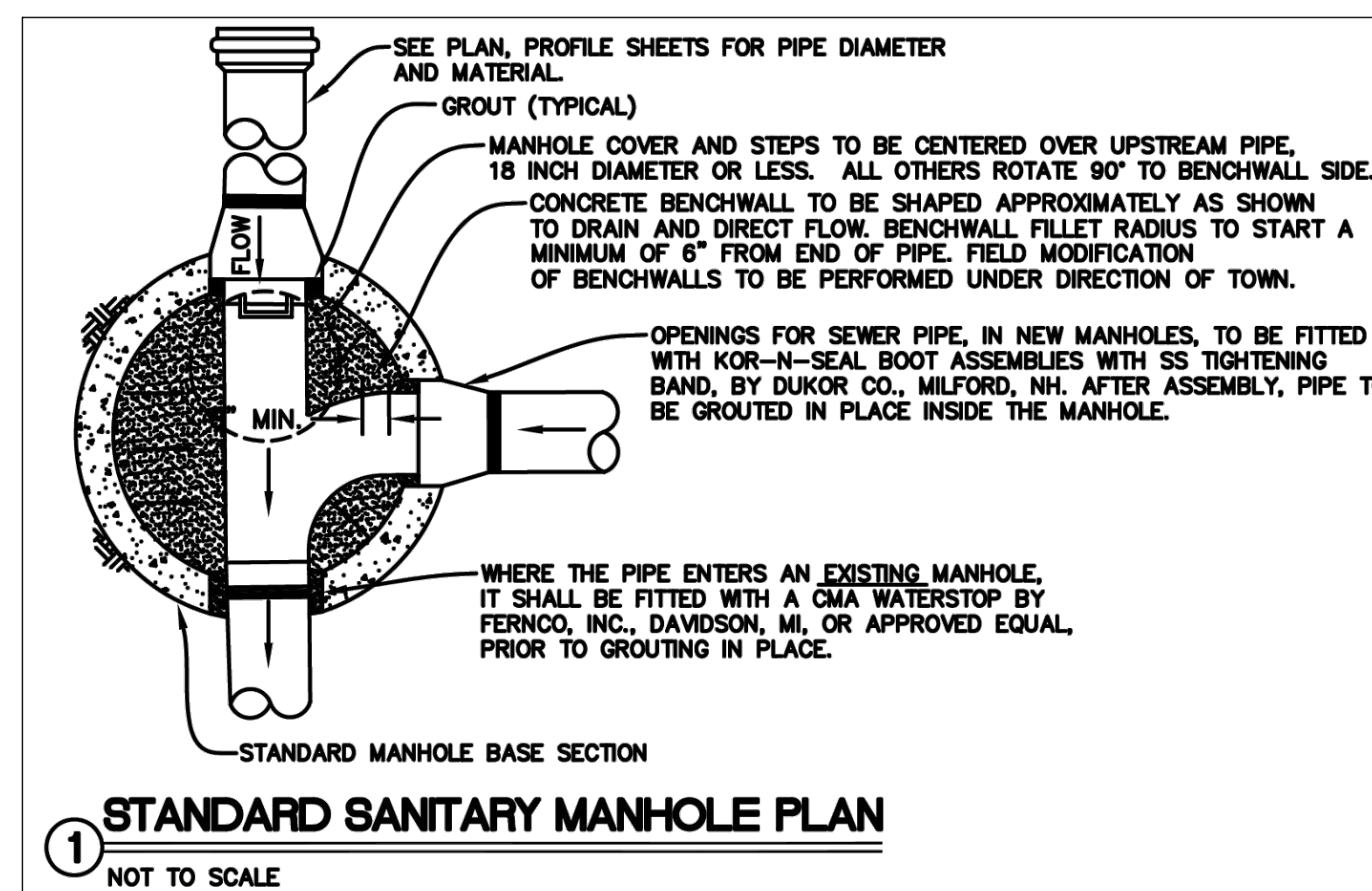
TYPICAL SECTION - ASPHALT PATH (P)
NOT TO SCALE



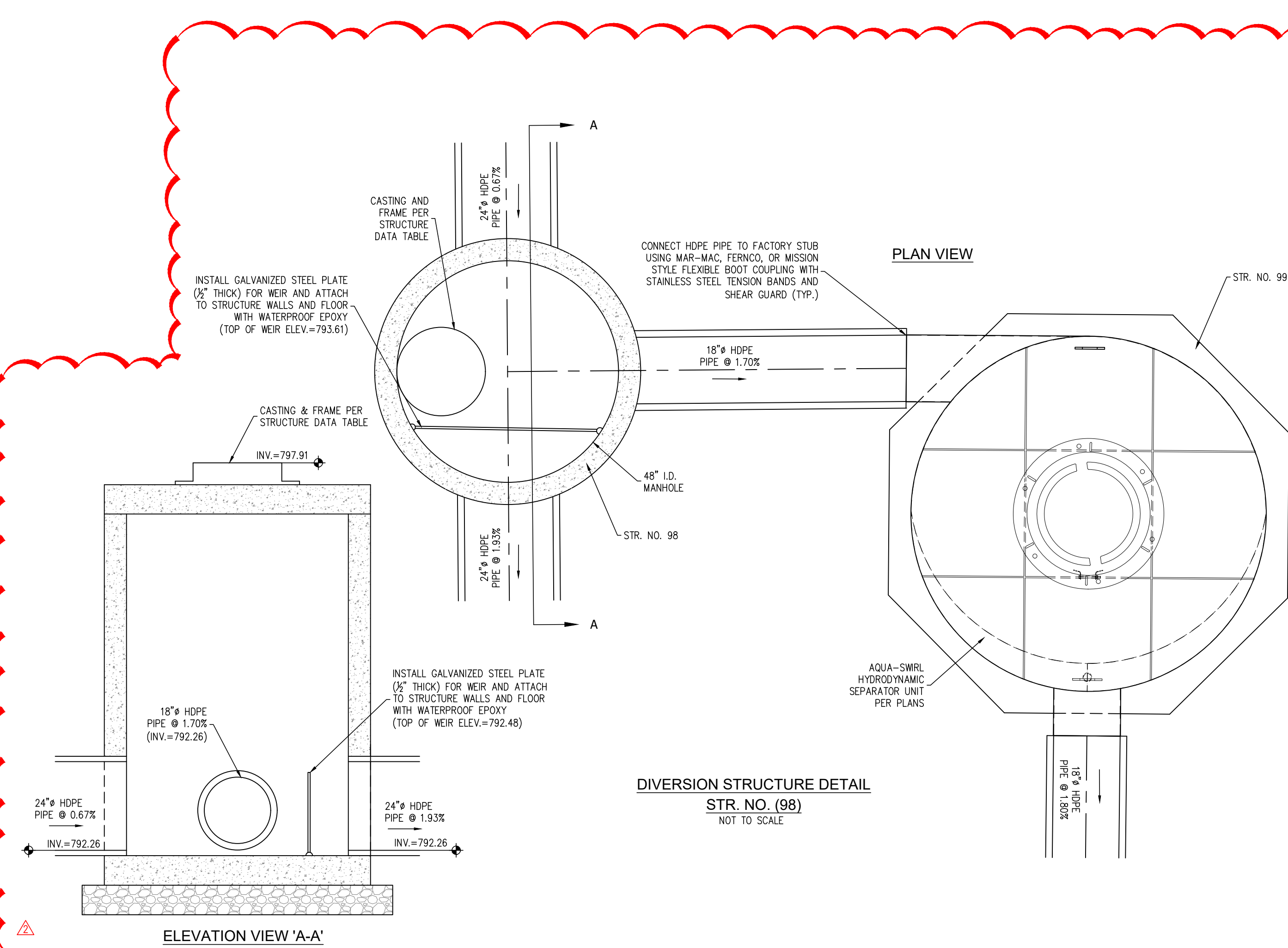
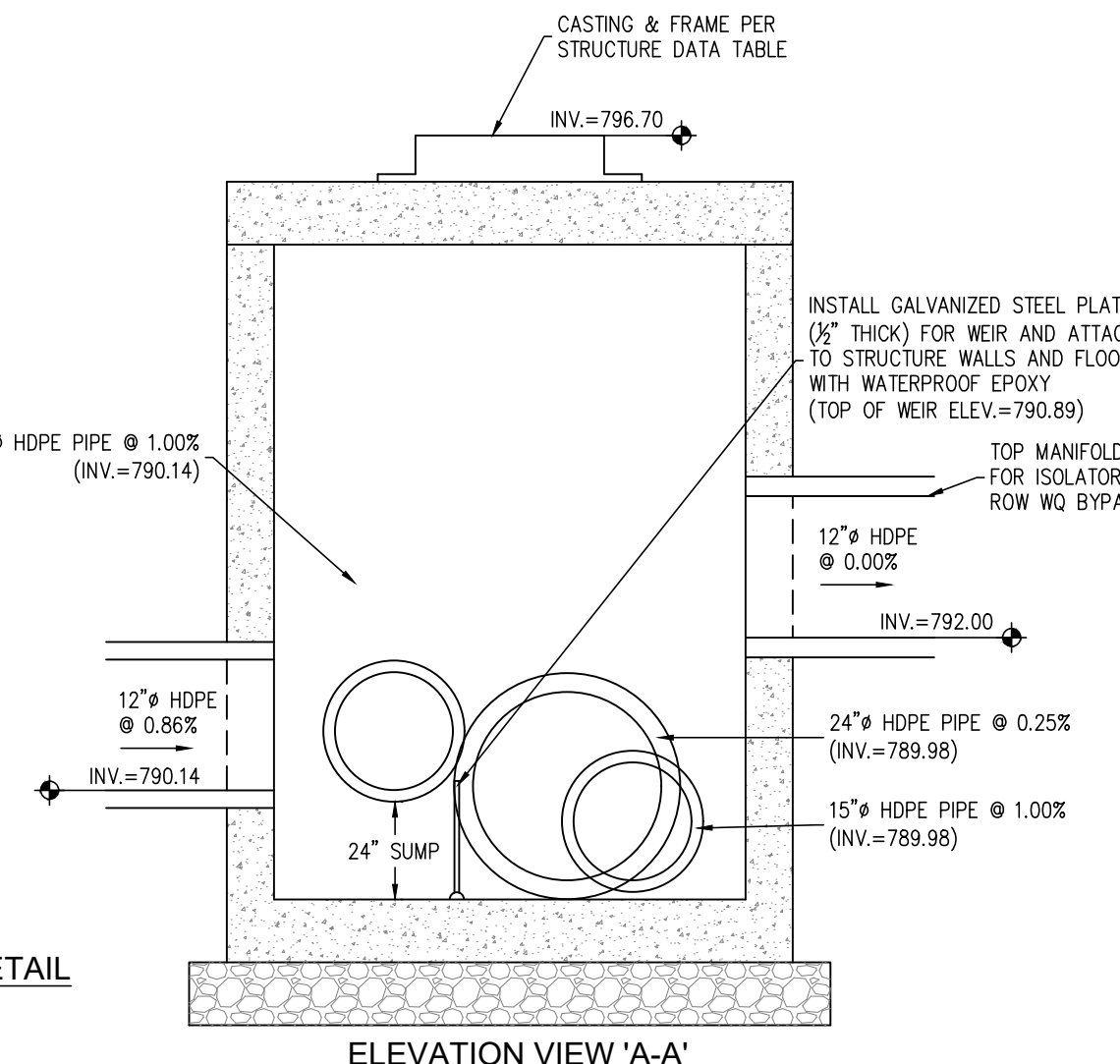
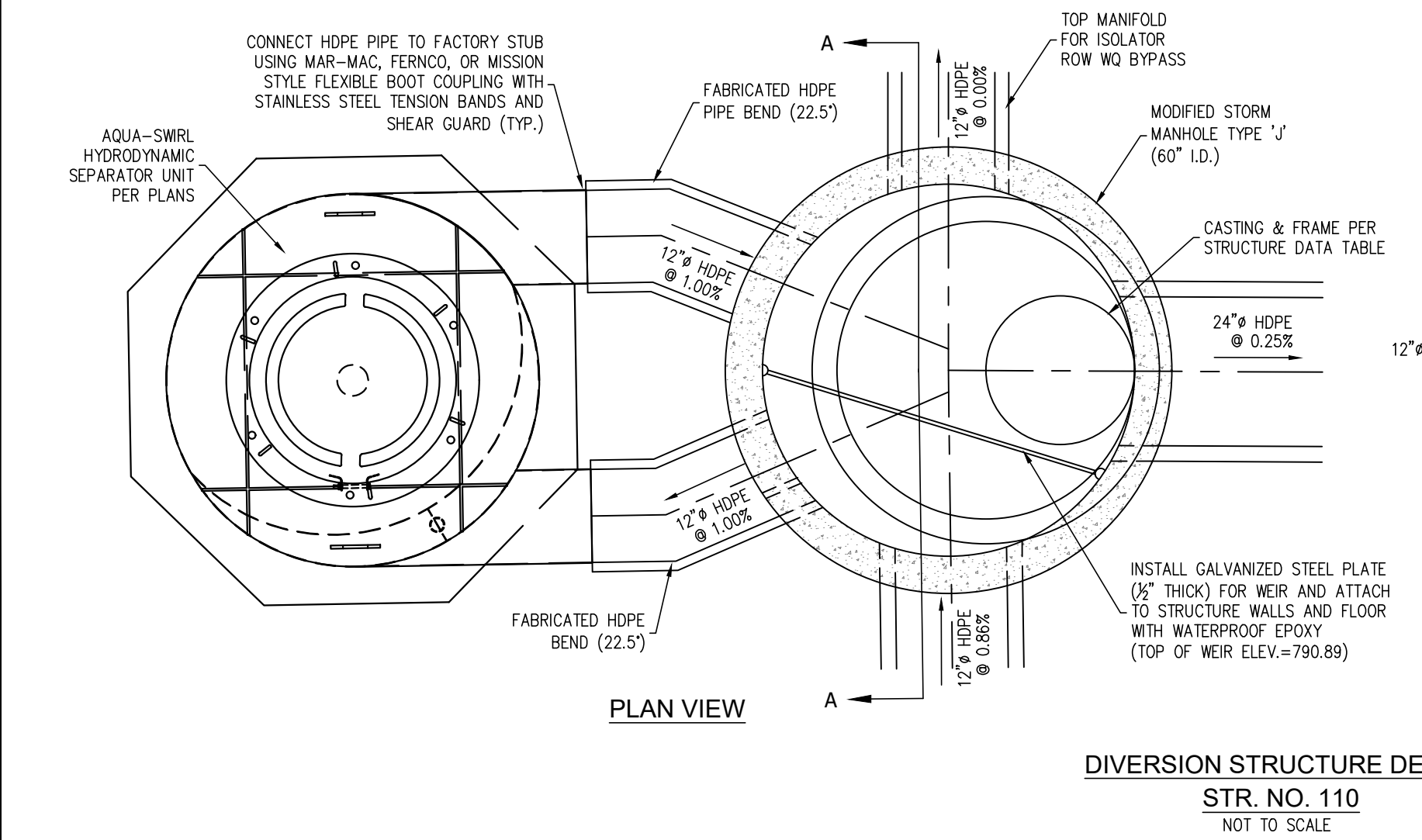
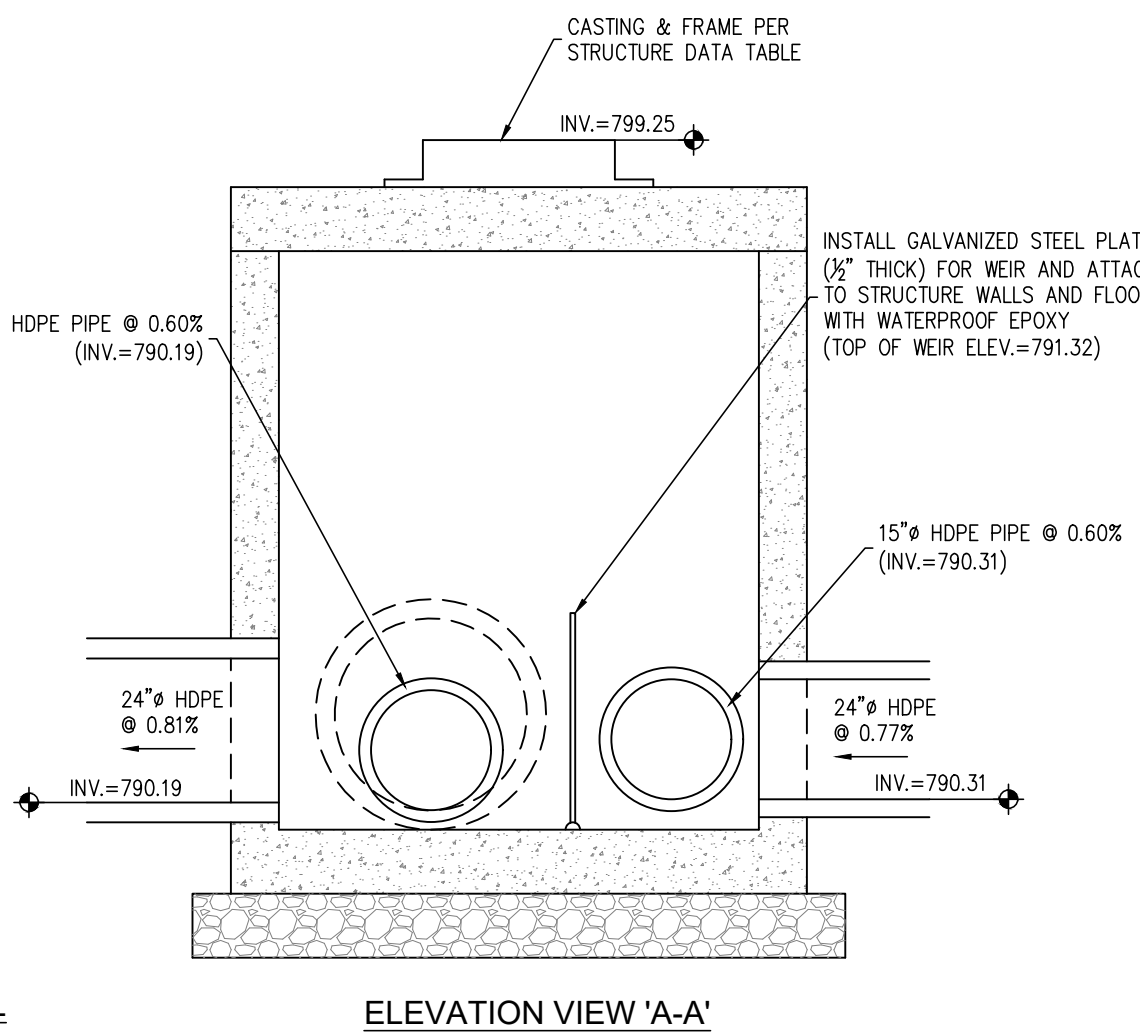
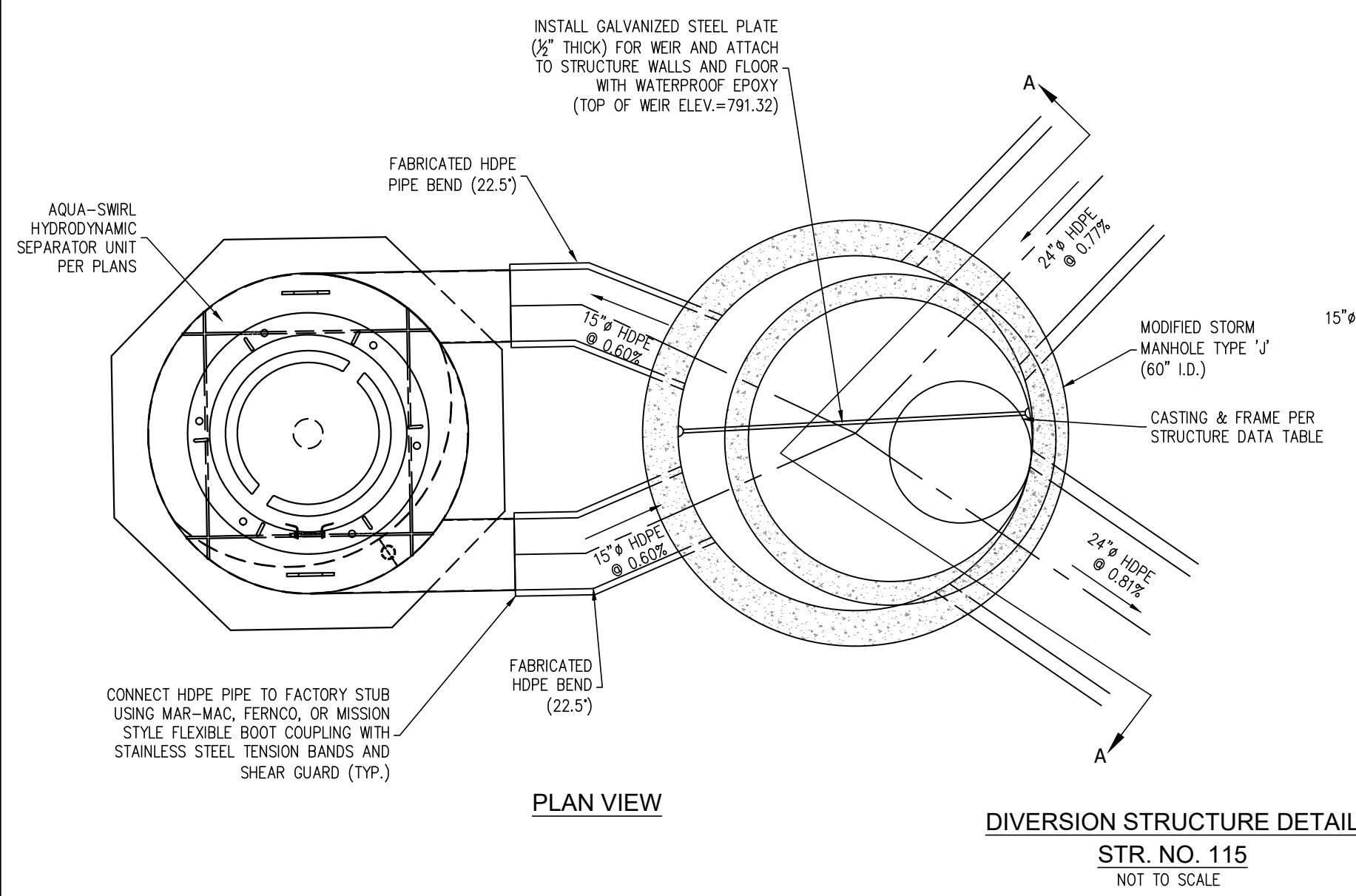
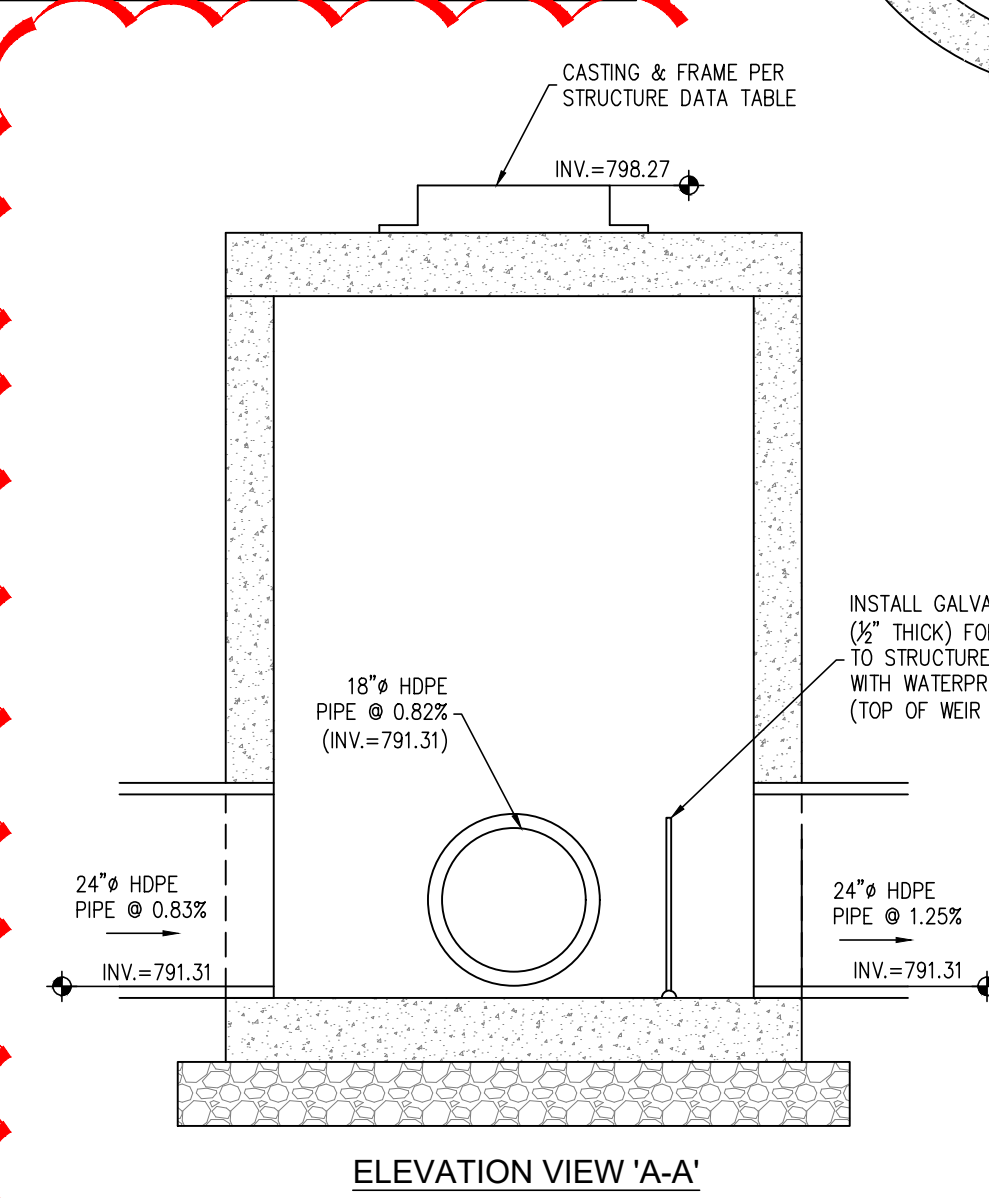
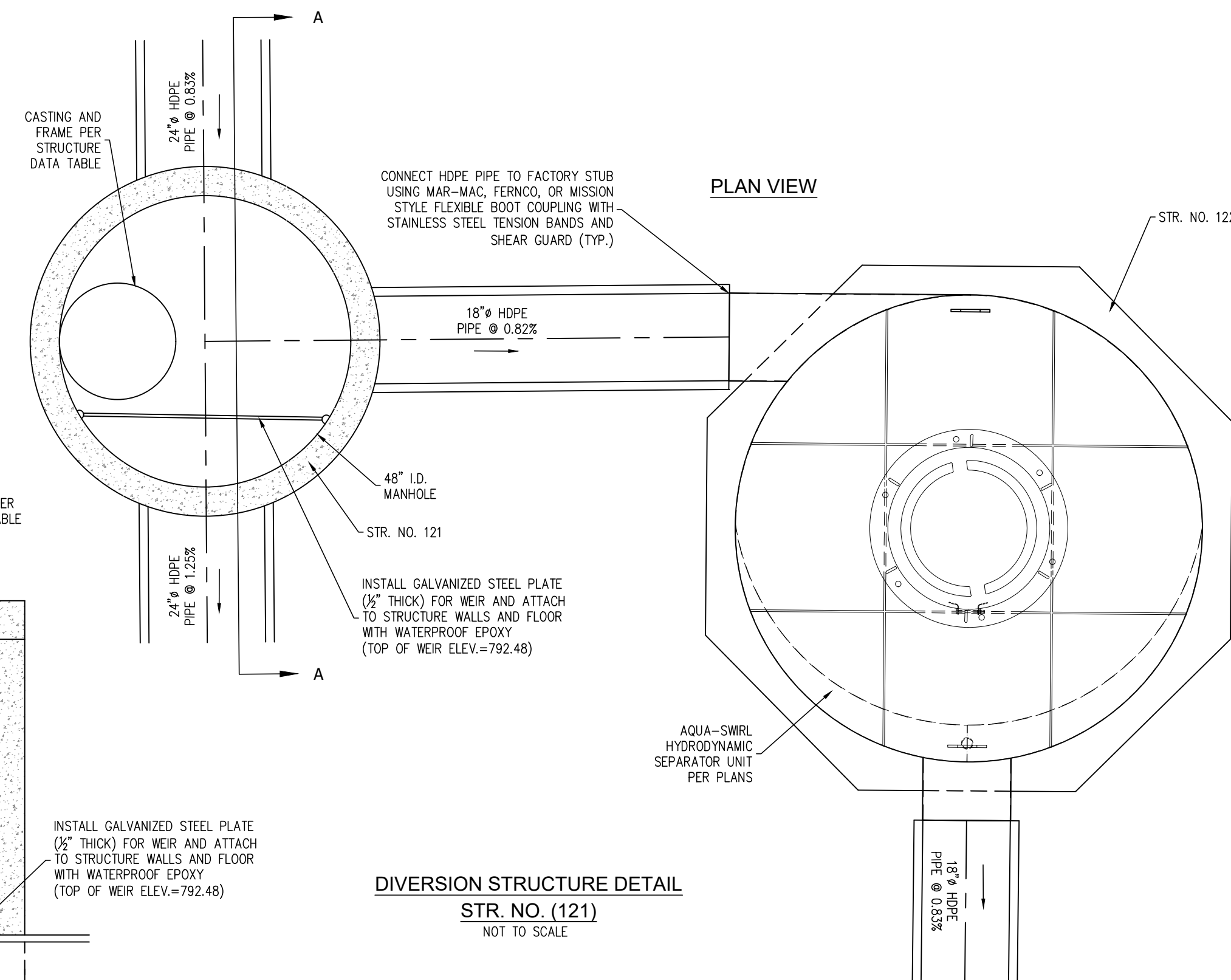
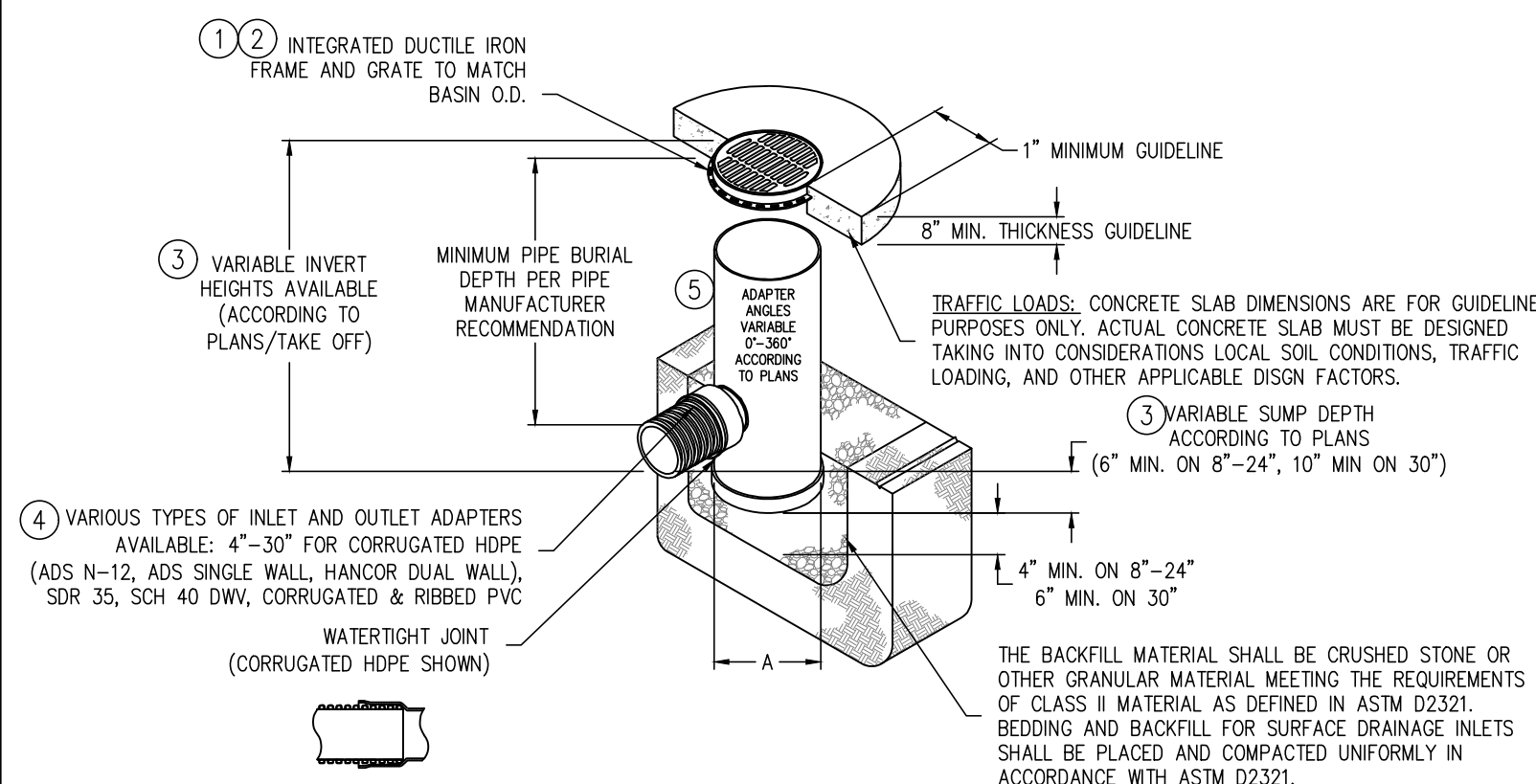
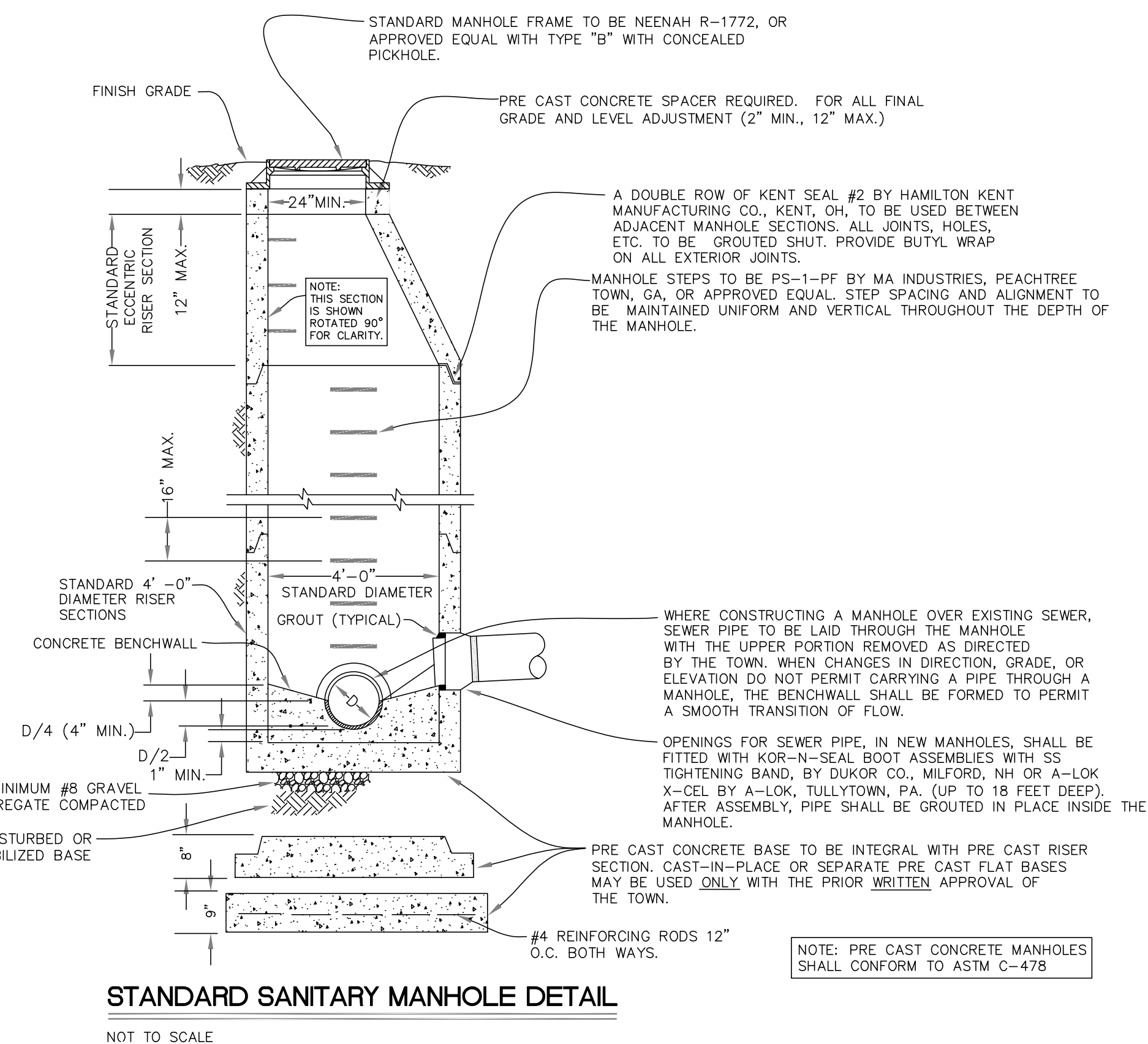
RIGID PIPE BEDDING DETAIL RCP AND VCP PIPE
NOT TO SCALE

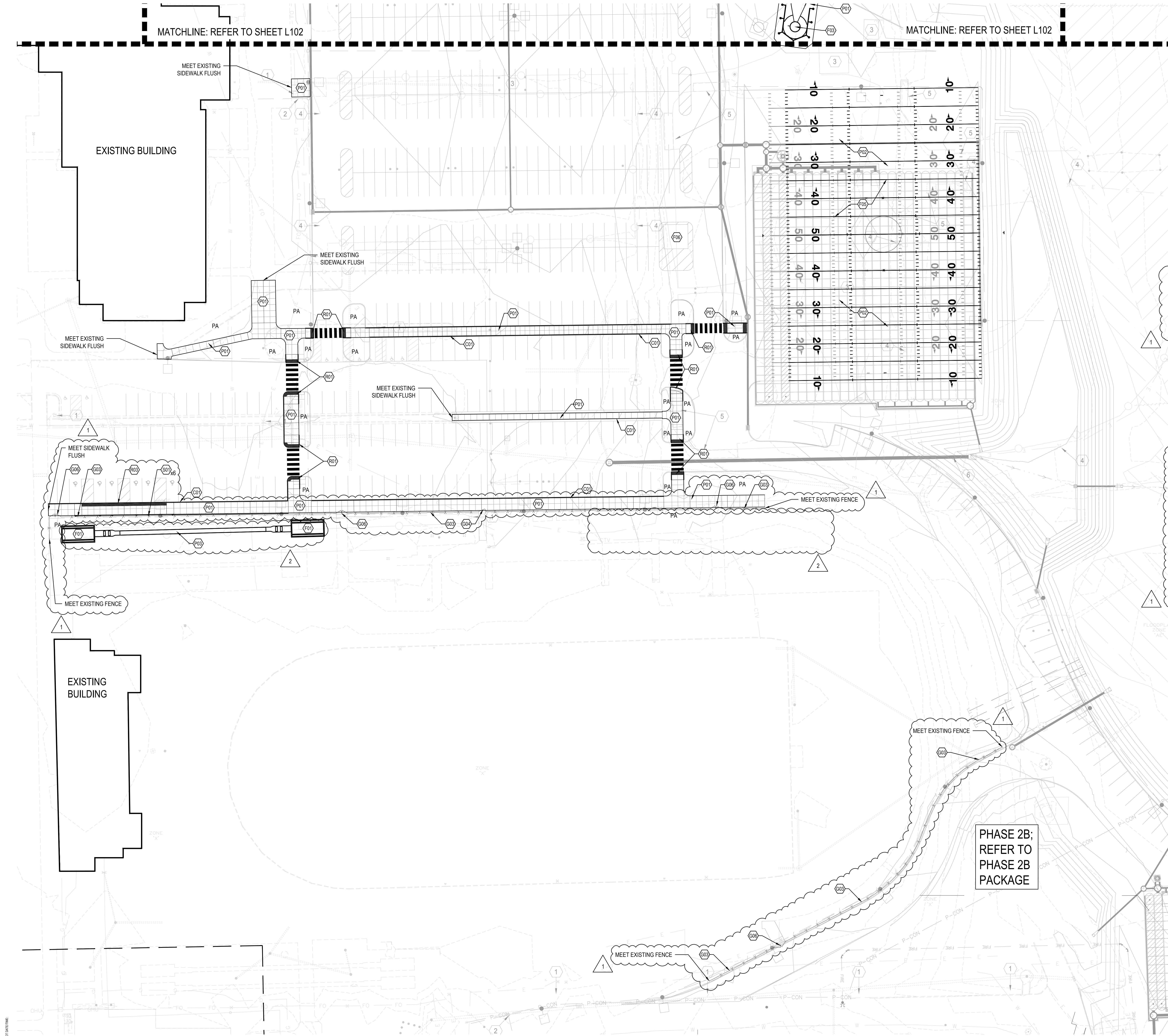


FLEXIBLE PIPE BEDDING DETAIL PVC AND HDPE PIPE
NOT TO SCALE



STANDARD SANITARY MANHOLE PLAN
NOT TO SCALE





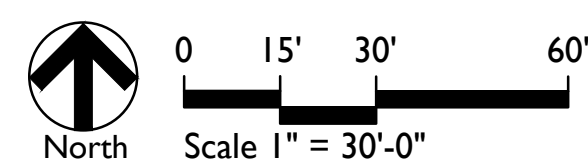
MATERIAL KEYNOTES	
KEY	DESCRIPTION / REFERENCE
CO1	INTEGRAL CURB AND WALK REFER TO SITE DETAIL 4/L601

ATHLETICS	
KEY	DESCRIPTION / REFERENCE
F01	LONG JUMP REFER TO SITE DETAIL 1/L602
F02	SHOT PUT REFER TO SITE DETAILS 2-3/L602
F03	DISCUS REFER TO SITE DETAIL 4/L602
F04	TENNIS COURT POST TENSION CONCRETE REFER TO SITE DETAIL SHEETS L603 - L605
F05	BAND STRIPING REFER TO SPECIFICATIONS
F06	BAND TOWER LOCATION BY OTHERS
F07	FUTURE TENNIS BUILDING BY OTHERS

PAVEMENTS	
KEY	DESCRIPTION / REFERENCE
P01	CONCRETE, STANDARD REFER TO SITE DETAIL 1-3/L601
P02	POROUS ASPHALT PAVEMENT REFER TO CIVIL DRAWINGS
P03	TRACK PAVEMENT, CONCRETE BASE REFER TO SITE DETAIL 5/L602

FENCING AND GATES	
KEY	DESCRIPTION / REFERENCE
G01	TENNIS FENCING, 10'-0" HT., BLACK VINYL COATED, REFER TO SPECIFICATIONS
G02	4' WIDE TENNIS GATE, SINGLE LEAF, REFER TO SPECIFICATIONS
G03	CHAIN-LINK FENCING, 6'-0" HT., BLACK VINYL COATED, REFER TO SPECIFICATIONS
G04	6' WIDE CHAIN-LINK FENCE GATE, SINGLE LEAF, MATCH ADJACENT FENCING, REFER TO SPECIFICATIONS
G05	8' WIDE CHAIN-LINK FENCE GATE, DOUBLE LEAF, MATCH ADJACENT FENCING, REFER TO SPECIFICATIONS
G06	10' WIDE CHAIN-LINK FENCE GATE, DOUBLE LEAF, MATCH ADJACENT FENCING, REFER TO SPECIFICATIONS

NOTE: REFER TO CIVIL ENGINEERING DRAWINGS
FOR VEHICULAR PAVEMENTS



CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN ST, WHITELAND, IN 46184

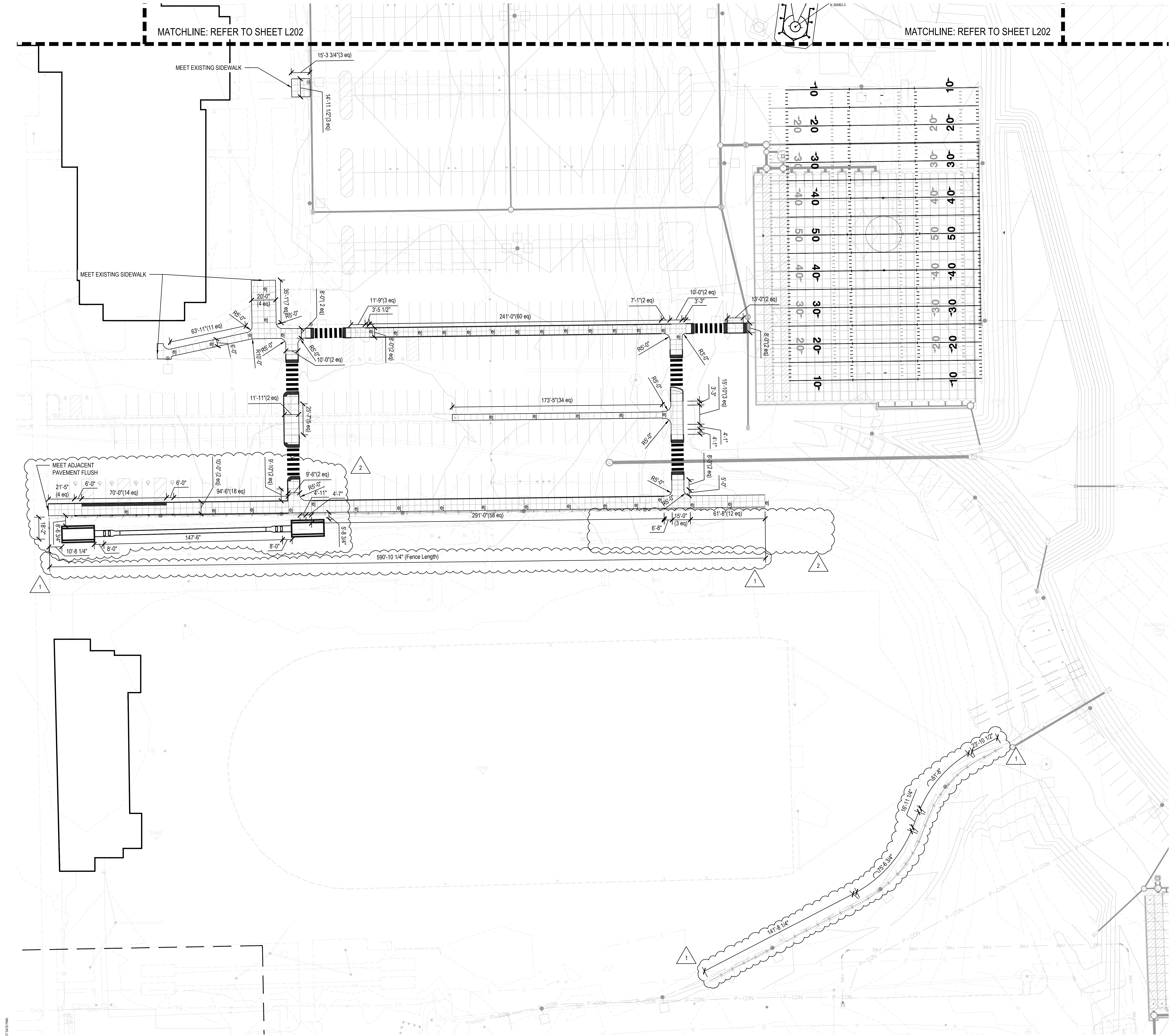


REVISIONS:	
#	DATE
1	04-23-2024
2	05-03-2024

DNIC:	Adriana 1
Adriana 2	

100% DESIGN DEVELOPMENT DOCUMENTS	
PROJECT:	#22130
DATE:	04-02-2024
DRAWN BY:	AYCH

SITE MATERIALS PLAN -
PHASE 2A



LAYOUT NOTES

1. Dimensions are shown to Face of Curb unless otherwise noted.
2. Contractor shall coordinate final joint locations in the field with the Landscape Architect. Align to existing conditions when practical, including at building and wall corners, connections to existing work, and to centerlines of doors.
3. Space control joints evenly between all bands and expansion joints as shown, unless otherwise dimensioned. Space interim joints equally whenever possible.
4. Digital AutoCAD files will be provided to the successful bidder as a courtesy to assist with field layout. The Contractor maintains all responsibility for the use, accuracy, and confirmation of such data.
5. All pavement striping shown shall adhere to Specifications. The Contractor shall include in their bid any miscellaneous copy, striping, or curb painting that may be requested by the Fire Marshal.
6. All disturbed areas not proposed to receive pavements shall be dressed with topsoil and seeded per Specifications.
7. Contractor shall provide and install One (1) Accessible Parking Sign per accessible parking space indicated in plans. Coordinate final location in the field with Landscape Architect.

CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN ST, WHITELAND, IN 46184



#	DATE	BY	REVISIONS
1	04-23-2024	Adriana 1	DN:SC
2	05-03-2024	Adriana 2	

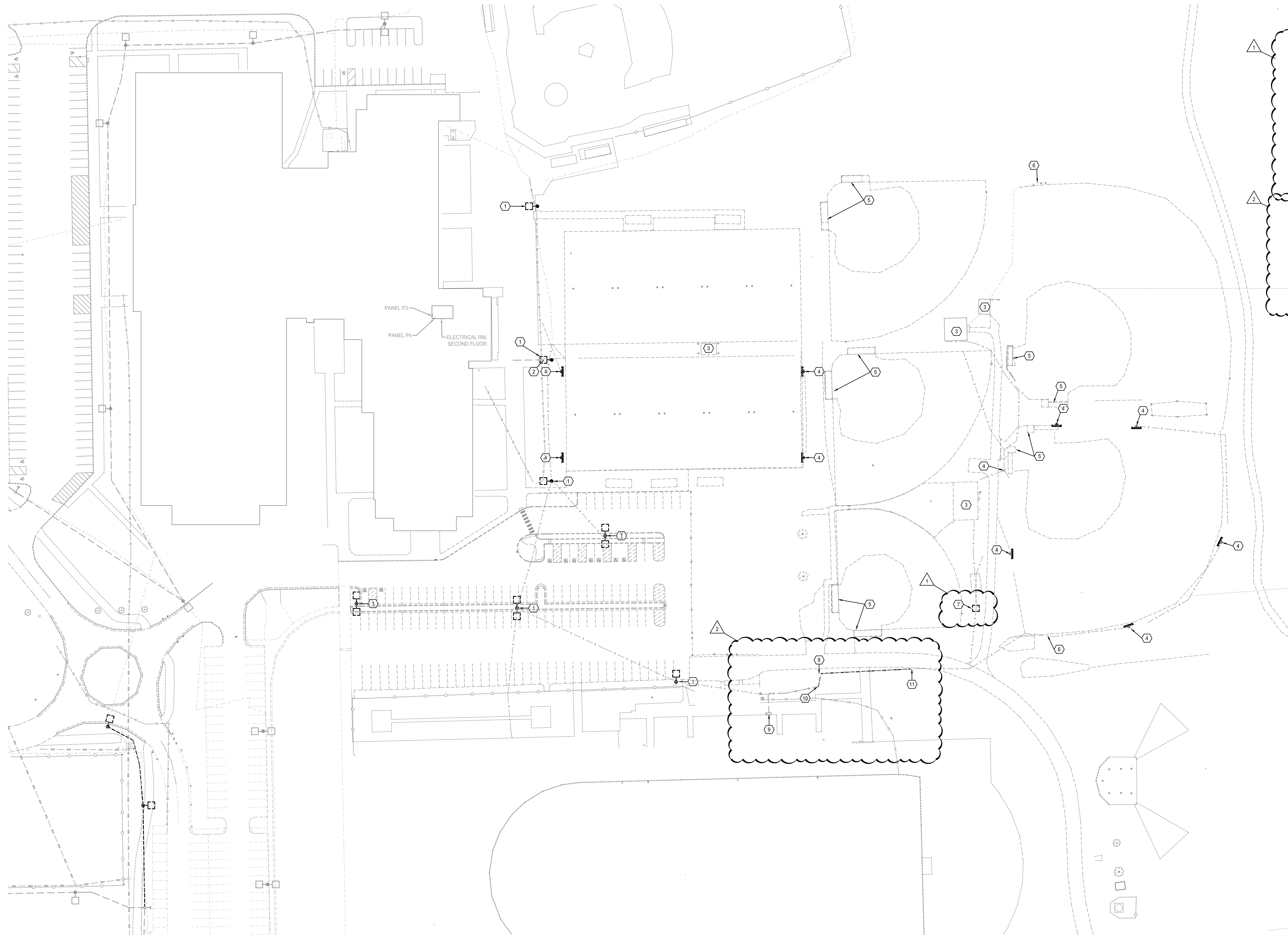
100% DESIGN DEVELOPMENT DOCUMENTS

PROJECT: #22130
DATE: 04-22-2024
DRAWN BY: AYCH

SITE LAYOUT PLAN -
PHASE 2A

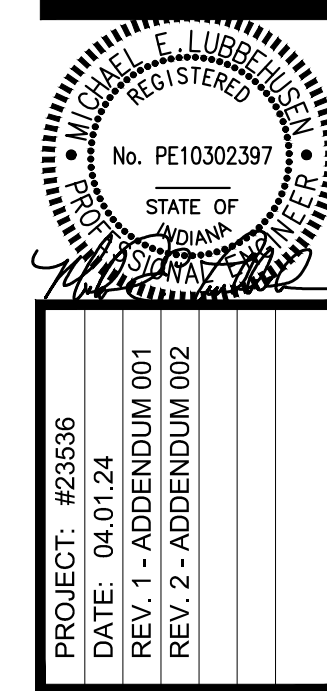
L201

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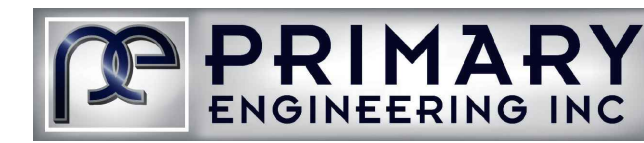
- PLAN NOTES**
1. REMOVE LIGHT, POLE, CONCRETE BASE, CONDUCTORS AND CONDUIT BACK TO POINT INDICATED.
 2. CONDUCTORS TO BE REMOVED BACK TO CONTACTOR/PANEL. CONDUIT ROUTED BELOW GRADE INTO BUILDING SHALL REMAIN AND BE EXTENDED TO NEW IN-GROUND PULL BOX.
 3. DISCONNECT BUILDING ELECTRICAL SERVICE, REMOVE CONDUCTORS, CONDUIT AND CABLING BACK TO SOURCE.
 4. DISCONNECT AND REMOVE SPORTS FIELD LIGHTING, POLE, CONCRETE BASE, CONDUCTORS AND CONDUIT BACK TO SOURCE.
 5. DISCONNECT AND REMOVE ELECTRICAL SERVICE TO DUGOUTS, REMOVE CONDUCTORS, CONDUIT AND CABLING BACK TO SOURCE.
 6. REMOVE SCOREBOARD AND ASSOCIATED DISCONNECT, CONDUIT CABLING, AND CONDUCTORS BACK TO SOURCE.
 7. UTILITY COMPANY TO REMOVE UTILITY TRANSFORMER. CONTRACTOR SHALL REMOVE PRIMARY CABLING AND CONDUIT BACK TO POLE LINE NORTH OF SCHOOL, COORDINATE WITH LOCAL UTILITY.
 8. DISCONNECT SECONDARY CONDUCTORS SERVING TRANSFORMER. EXISTING TRANSFORMER AND PAD SHALL BE RELOCATED TO NEW LOCATION. CONTRACTOR SHALL COORDINATE SHUT-DOWN AND RELOCATION OF TRANSFORMER AND PRIMARY WITH LOCAL UTILITY.
 9. EXISTING SERVICE ENTRANCE DISCONNECT SERVING FOOTBALL FIELD TO REMAIN.
 10. REMOVE SECONDARY CONDUCTORS BACK TO POINT INDICATED TO ALLOW FOR INSTALLATION OF NEW IN-GROUND BOX.
 11. PULL PRIMARY CONDUCTORS BACK TO APPROXIMATE POINT TO BE RE-ROUTED TO NEW LOCATION OF TRANSFORMER.

WHITELAND COMM HIGH SCHOOL PH. 2A
CLARK-PLEASANT COMM SCHOOL CORP
300 EAST MAIN STREET
WHITELAND, IN 46184



ELECTRICAL
SITE
DEMOLITION
PLAN

ES102



Indianapolis
9795 Crosspoint Blvd., Suite 103
Indianapolis, Indiana 46256
317.324.1221 ph
info@primary-eng.com
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Fort Wayne

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1 ELECTRICAL DEMOLITION SITE PLAN
SCALE: 1" = 50'-0"



File Location = K:\23536 Whiteland Comm HS PH2Dwg\Elec\Phase 2A\ Sheet Name = ES201 - Phase 2a.dwg Date Printed = 5-02-24 Time Printed = 12:41:05 PM Printed by = ballman Copyright Primary Engineering Inc.

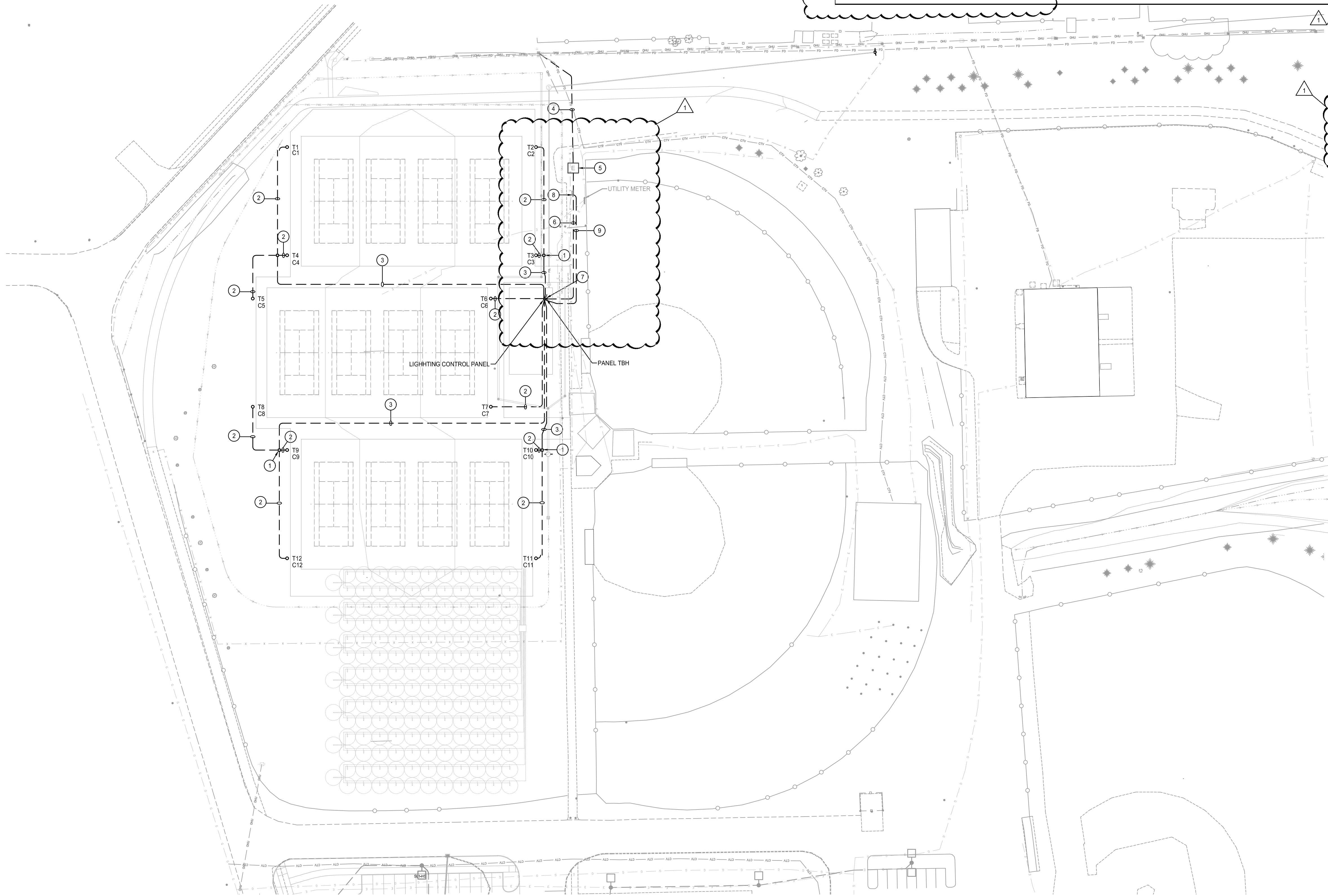
MUSCO LIGHTING CONTROL PANEL SCHEDULE						
CABINET NO	CONTROL STATION MODULE (SWITCH)	CONTACTOR ID	CIRCUIT DESCRIPTION	FULL LOAD AMPS	CIRCUIT DESIGNATION	CONDUCTOR SIZE
1	1	C1	POLE T1	5.2	TBH-1(3,5)	3-#10,1-#10G
1	1	C2	POLE T2	5.2	TBH-2(4,6)	3-#10,1-#10G
1	1	C3	POLE T3	5.2	TBH-2(4,6)	3-#10,1-#10G
1	1	C4	POLE T4	5.2	TBH-1(3,5)	3-#10,1-#10G
1	2	C5	POLE T5	5.2	TBH-7(9,11)	3-#10,1-#10G
1	2	C6	POLE T6	4.56	TBH-8(10,12)	3-#10,1-#10G
1	2	C7	POLE T7	4.56	TBH-8(10,12)	3-#10,1-#10G
1	2	C8	POLE T8	5.2	TBH-7(9,11)	3-#10,1-#10G
1	3	C9	POLE T9	5.2	TBH-13(15,17)	3-#10,1-#10G
1	3	C10	POLE T10	5.2	TBH-12(14,16)	3-#10,1-#10G
1	3	C11	POLE T11	5.2	TBH-12(14,16)	3-#10,1-#10G
1	3	C12	POLE T12	5.2	TBH-13(15,17)	3-#10,1-#10G

GENERAL REMARKS

1. CONNECT CONTROL VOLTAGE TO EXISTING SITE PANEL

PLAN NOTES

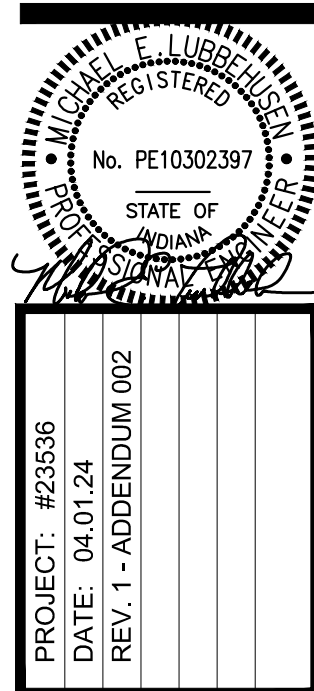
- PROVIDE AND INSTALL 24"x24" IN-GRADE PULL BOX WITH OPEN BOTTOM TO SERVE TENNIS COURT LIGHTING CIRCUITS. EQUAL TO QUAZITE #PG SERIES. LID SHALL BE MARKED "LIGHTING"
- APPROXIMATE ROUTING OF 1-1/4" CONDUIT WITH CONTACTOR CIRCUIT(S), AS INDICATED, UP INTO BASE OF POLE STRUCTURE AND TERMINATE TO ELECTRICAL COMPONENTS ENCLOSURE. CONDUIT SHALL BE ROUTED AT -24" BELOW GRADE. CONTRACTOR SHALL COORDINATE TERMINATION REQUIREMENTS WITH MUSCO LIGHTING SHOP DRAWINGS. REFER TO MUSCO LIGHTING CONTROL PANEL SCHEDULE FOR WIRE SIZE FOR EACH CONTACTOR CIRCUIT.
- APPROXIMATE ROUTING OF 2" CONDUIT WITH CONTACTOR CIRCUIT(S), AS INDICATED, UP INTO BASE OF POLE STRUCTURE AND TERMINATE TO ELECTRICAL COMPONENTS ENCLOSURE. CONDUIT SHALL BE ROUTED AT -24" BELOW GRADE. CONTRACTOR SHALL COORDINATE TERMINATION REQUIREMENTS WITH MUSCO LIGHTING SHOP DRAWINGS. REFER TO MUSCO LIGHTING CONTROL PANEL SCHEDULE FOR WIRE SIZE FOR EACH CONTACTOR CIRCUIT.
- PROVIDE AND INSTALL TWO (2) 6" CONDUITS WITH NYLON PULL STRINGS FOR UTILITY POLE TO PRIMARY SECTION OF TRANSFORMER PAD. ROUTE ONE (1) 6" CONDUIT TO UTILITY POLE AND ROUTE (1) 6" POLE TO GRASSY AREA. CAP AND SEAL CONDUIT FOR FUTURE USE.
- PROVIDE AND INSTALL CONCRETE PAD PER LOCAL UTILITY REQUIREMENTS.
- PROVIDE AND INSTALL SECONDARY AT -24" BELOW GRADE FROM UTILITY TRANSFORMER TO PANELBOARD PEDESTAL. REFER TO DETAIL #3 ON SHEET ES301 FOR ADDITIONAL INFORMATION.
- PANELBOARD AND LIGHTING CONTROL CABINET MOUNTED ON UNISTRUT STAND. REFER TO DETAIL #6 ON SHEET ES301 FOR ADDITIONAL INFORMATION. COORDINATE FINAL LOCATION WITH CONSTRUCTION MANAGER PRIOR TO ROUGH-IN.
- PROVIDE AND INSTALL NEW 20A 1P CIRCUIT BREAKER IN EXISTING PANELBOARD. ROUTE 1" 1C, 3-#10, 1-#10G FROM NEW CIRCUIT BREAKER TO TENNIS COURT LIGHTING CONTROL PANEL AND TERMINATE FOR CONTACTOR CONTROL.
- ROUTE 1" 2-#10, 1-#10G FROM EXISTING PANEL TO LIGHTING CONTROL CABINET AT -24" BELOW GRADE.



1 ELECTRICAL SITE PLAN
SCALE: 1" = 50'-0"



WHITELAND COMM HIGH SCHOOL PH. 2A
CLARK-PLEASANT COMM SCHOOL CORP
300 EAST MAIN STREET
WHITELAND, IN 46184



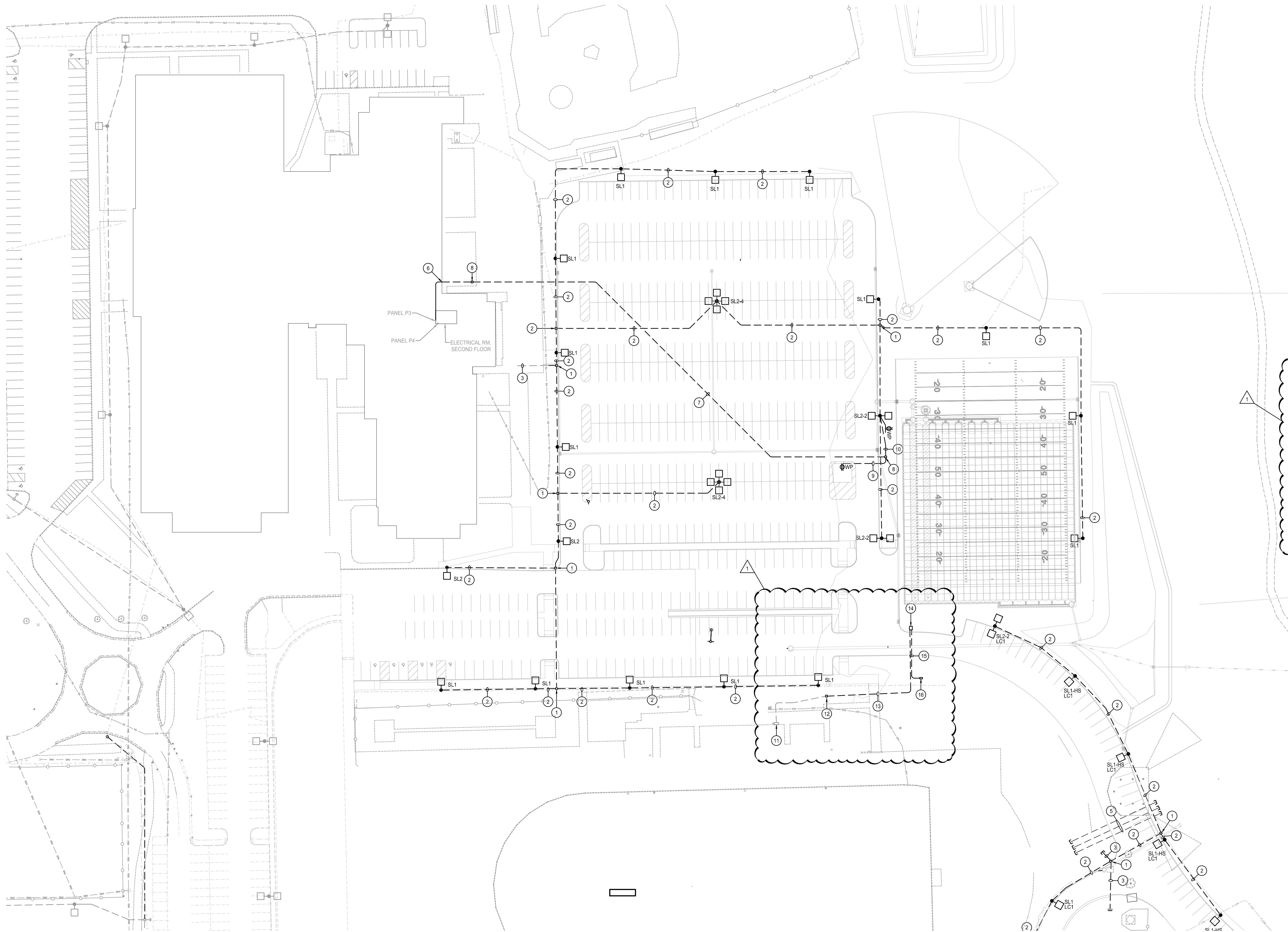
ELECTRICAL
SITE PLAN



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ES201

File Location = K:\23536 Whiteland Comm HS PH2Dwg\Elec\Phase 2A Sheet Name = ES202-2024 Time Printed = 12:40:16 PM Printed by = balman Copyright Primary Engineering Inc.



- PLAN NOTES**
1. PROVIDE AND INSTALL 12"X12" IN-GRADE PULL BOX WITH OPEN BOTTOM TO SERVE SITE LIGHTING CIRCUITS. EQUAL TO QUAZITE #PG SERIES. LID SHALL BE MARKED 'LIGHTING'
 2. PROVIDE AND INSTALL 2-#8, 1-#8G IN 1" CONDUIT AT -24" BELOW GRADE TO SERVE SITE FIXTURE(S).
 3. ROUTE ONE (1) 1" CONDUIT WITH NYLON PULL STRING AT -24" BELOW GRADE STUBBED OUT TO GRASS AREA FOR FUTURE PHASE 2B SITE FIXTURES. CAP AND SEAL CONDUIT AND PERMANENTLY MARK.
 4. INTERCEPT EXISTING CONDUIT AND EXTEND TO IN-GRADE PULL BOX. ROUTE 2-#8, 1-#8G IN EXISTING CONDUIT THRU RELAY CABINET TO EXISTING PANEL HD#1 LOCATED IN ELECTRICAL ROOM. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF EXISTING CONDUIT.
 5. PROVIDE AND INSTALL THREE (3) 6" SCHEDULE 80 RNC CONDUIT AT -36" BELOW GRADE ACROSS DRIVE TO GRASS AREA FOR FUTURE UTILITY PRIMARY CONDUCTORS. CAP AND SEAL CONDUIT AND PERMANENTLY MARK.
 6. CONTRACTOR SHALL ROUTE UP SIDE OF BUILDING AND LB90 CONDUIT INTO BUILDING ABOVE ACCESSIBLE CEILING TO PANEL AS INDICATE. PROVIDE AND INSTALL TWO (2) 20A/1P CIRCUIT BREAKERS AT CIRCUIT #38 & #40 IN PANEL P3. TERMINATE NEW BRANCH CIRCUITS TO NEW CIRCUIT BREAKERS IN PANEL P3. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS IN BUILDING.
 7. ROUTE 4-#4, 1-#4G IN 1-1/4" CONDUIT AT -24" BELOW GRADE TO IN GRADE PULL BOX TO SERVE RECEPTACLES.
 8. PROVIDE AND INSTALL 12"X12" IN-GRADE PULL BOX WITH OPEN BOTTOM TO SERVE SITE LIGHTING CIRCUITS. EQUAL TO QUAZITE #PG SERIES. LID SHALL BE MARKED 'POWER'
 9. ROUTE 2-#8, 1-#8G IN 1-1/4" CONDUIT AT -24" BELOW GRADE TO IN GRADE PULL BOX TO SERVE RECEPTACLE ON BAND PLATFORM. SURFACE MOUNT DUPLEX BOX WITH LOCKABLE "WHILE-IN-USES" COVER ON BAND PLATFORM. COORDINATE LOCATION WITH OWNER. LOCKABLE COVER SHALL BE EQUAL TO INTERMATIC #WP311OMXD.
 10. ROUTE 2-#8, 1-#8G IN 1-1/4" CONDUIT AT -24" BELOW GRADE TO IN GRADE PULL BOX TO SERVE RECEPTACLE ON SITE POLE. SURFACE MOUNT DUPLEX BOX WITH LOCKABLE "WHILE-IN-USES" COVER ON SITE POLE. COORDINATE LOCATION WITH OWNER. LOCKABLE COVER SHALL BE EQUAL TO INTERMATIC #WP311OMXD.
 11. EXISTING SERVICE ENTRANCE DISCONNECT SERVING FOOTBALL FIELD TO REMAIN.
 12. PROVIDE AND INSTALL 12"X12" IN-GRADE PULL BOX WITH OPEN BOTTOM FOR FOOTBALL FIELD SERVICE. CONTRACTOR SHALL BUTT SPLICE AND HEAT SHRINK WRAP EXISTING FEEDER TO NEW FEEDER FROM UTILITY TRANSFORMER. EQUAL TO QUAZITE #PG SERIES. LID SHALL BE MARKED 'POWER'
 13. ROUTE 2-1/2" 3-#3/0, 1-#6G AT -24" BELOW GRADE FROM SECONDARY SIDE OF UTILITY TRANSFORMER TO PULL BOX. CONTRACTOR SHALL VERIFY EXISTING SECONDARY FEEDER SIZE FOR FINAL CONNECTION.
 14. RELOCATED UTILITY TRANSFORMER AND FIBERGLASS BASE. COORDINATE RELOCATION WITH LOCAL UTILITY.
 15. ROUTE NEW 15KV MV/1015 ALUMINUM MEDIUM VOLTAGE #3/0 POWER CABLE IN 4" CONDUIT AT -36" BELOW GRADE FROM PULL BOX TO PRIMARY SIDE OF UTILITY TRANSFORMER. CONDUCTOR SHALL FIELD VERIFY CONDUCTOR SIZE.
 16. PROVIDE AND INSTALL 12"X24" IN-GRADE PULL BOX WITH OPEN BOTTOM FOR PRIMARY FEEDERS. CONTRACTOR SHALL BUTT SPLICE AND HEAT SHRINK WRAP EXISTING PRIMARY CABLE TO NEW PRIMARY CABLE FROM UTILITY TRANSFORMER. EQUAL TO QUAZITE #PG SERIES. LID SHALL BE MARKED 'HIGH VOLTAGE'

ELECTRICAL SITE PLAN
SCALE: 1" = 50'-0"

SCALE: 1" = 10'-0" 0 10' 20' 30' 0 20' 40' 60' 0 30' 60' 90' 0 40' 80' 120' 0 50' 100' 150' 0 60' 120' 180' 0 70' 140' 210' 0 150' 300' 450'

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WHITELAND COMM HIGH SCHOOL PH. 2A
CLARK-PLEASANT COMM SCHOOL CORP
300 EAST MAIN STREET
WHITELAND, IN 46184

PROJECT: #23536
DATE: 04.01.24
REV: 1 - ADDENDUM 002

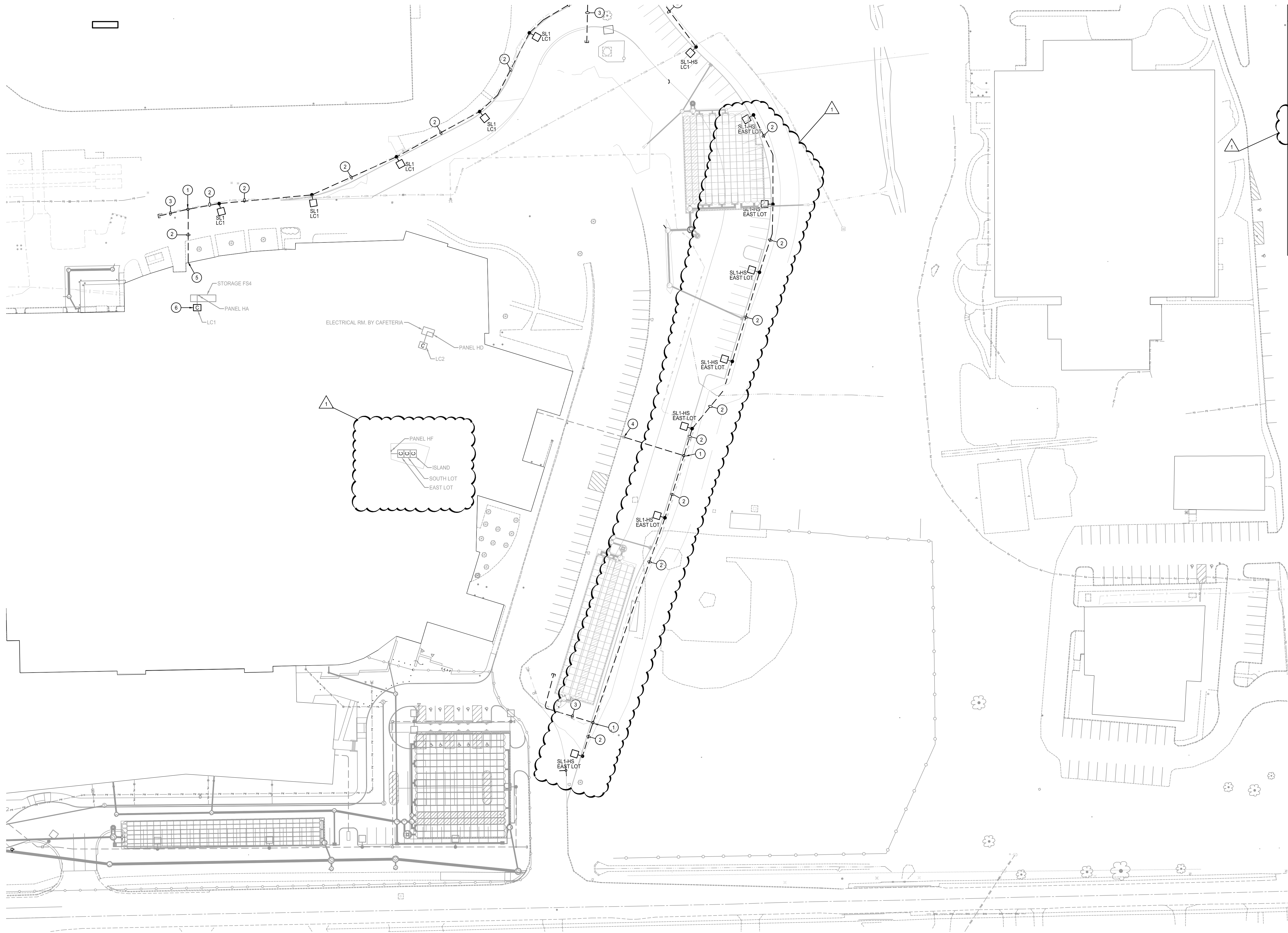
STATE OF INDIANA
No. PE10302397
REGISTERED PROFESSIONAL ENGINEER
MICHAEL J. BALMAN

ELECTRICAL
SITE PLAN

ES202

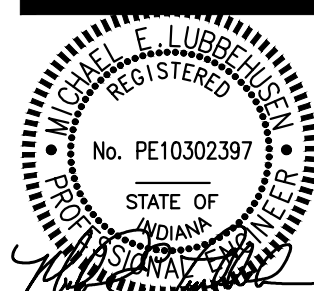
LANCER ASSOCIATES
ARCHITECTURE

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- PLAN NOTES**
1. PROVIDE AND INSTALL 12"X12" IN-GRADE PULL BOX WITH OPEN BOTTOM TO SERVE SITE LIGHTING CIRCUITS. EQUAL TO QUAZITE #PG SERIES. LID SHALL BE MARKED "LIGHTING"
 2. PROVIDE AND INSTALL 2-#8,1-#9G IN 1" CONDUIT AT -24" BELOW GRADE TO SERVE SITE FIXTURE(S).
 3. ROUTE ONE (1) 1" CONDUIT WITH NYLON PULL STRING AT -24" BELOW GRADE STUBBED OUT TO GRASS AREA FOR FUTURE PHASE 2B SITE FIXTURES. CAP AND SEAL CONDUIT AND PERMANENTLY MARK.
 4. INTERCEPT EXISTING CONDUIT AND EXTEND TO IN-GRADE PULL BOX. ROUTE 2-#8,1-#9G IN EXISTING CONDUIT THRU CONTRACTOR "EAST LOT" TO EXISTING PANEL HF LOCATED IN STORAGE ROOM NEXT TO AUDITORIUM. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF EXISTING CONDUIT.
 5. CONTRACTOR SHALL ROUTE UP SIDE OF BUILDING AND LB90 CONDUIT INTO BUILDING ABOVE ACCESSIBLE CEILING IN CLASSROOM BRANCH CIRCUIT ABOVE ACCESSIBLE CEILING TO CONTRACTOR "LC1" AND TERMINATE TO EXISTING PANEL HA LOCATED IN STORAGE FS4. REPLACE EXISTING BLANKS AT CIRCUIT #29 & #31 WITH NEW 20A/2P CIRCUIT BREAKER.
 6. REPLACE EXISTING CONTRACTOR LC1 WITH NEW 6-POLE ELECTRICAL HED. 30A HED ELECTRICAL CONTRACTOR IN ENCLOSURE NEMA 1 WITH HAND-OFF-AUTO SWITCH. CONTRACTOR SHALL RE-TERMINATE BRANCH CIRCUITS AND CONTROL CABLING FROM TEMPERATURE CONTROL. COORDINATE WITH OWNER PRIOR TO REMOVAL. CONTRACTOR SHALL FIELD COIL VOLTAGE

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