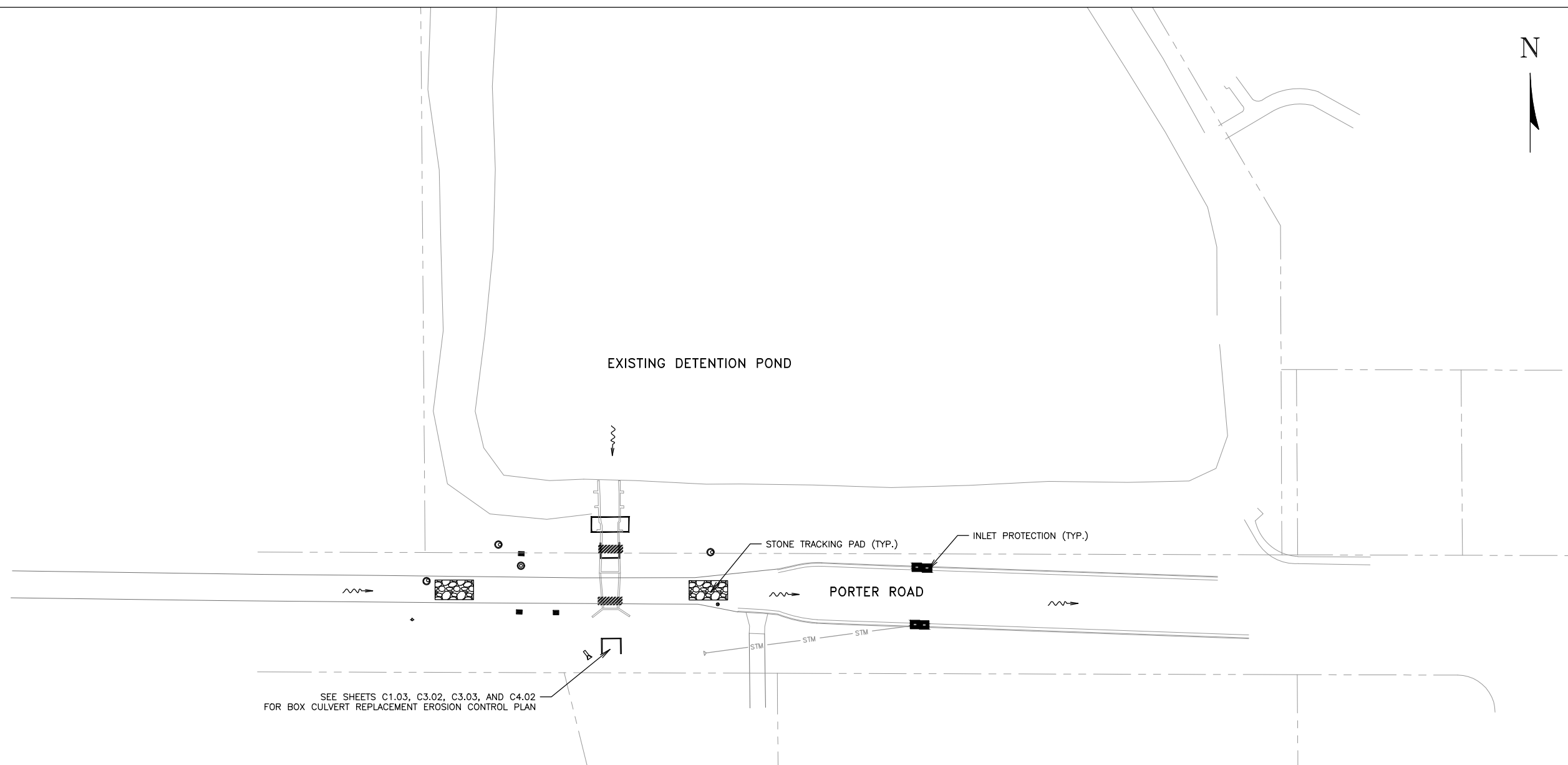


SHEET INDEX

SHEET NO.	SHEET DESCRIPTION	SHEET NO.	SHEET DESCRIPTION
1	EROSION CONTROL PLAN AND GENERAL NOTES PORTER ROAD	X5	CROSS SECTIONS – PORTER ROAD PATH STATION 108+00 TO STATION 110+50
2	EROSION CONTROL – STANDARD CONSTRUCTION DETAILS	X6	CROSS SECTIONS – PORTER ROAD PATH STATION 111+00 TO STATION 113+50
PLAN SHEETS		X7	CROSS SECTIONS – PORTER ROAD PATH STATION 114+00 TO STATION 118+00
3	PLAN & PROFILE – PORTER ROAD STATION 4+00 TO STATION 10+00	X8	CROSS SECTIONS – PORTER ROAD PATH STATION 118+50 TO STATION 122+50
4	PLAN & PROFILE – PORTER ROAD PATH STATION 100+00 TO STATION 106+00	X9	CROSS SECTIONS – ALLEN CREEK PATH STATION 16+75 TO STATION 18+00
5	PLAN & PROFILE – PORTER ROAD PATH STATION 105+60 TO STATION 111+60	X10	CROSS SECTIONS – ALLEN CREEK PATH STATION 18+25 TO STATION 19+50
6	PLAN & PROFILE – PORTER ROAD PATH STATION 111+20 TO STATION 117+20	X11	CROSS SECTIONS – ALLEN CREEK PATH STATION 19+75 TO STATION 21+00
7	PLAN & PROFILE – PORTER ROAD PATH STATION 116+80 TO STATION 122+80	X12	CROSS SECTIONS – ALLEN CREEK PATH STATION 21+20 TO STATION 23+25
8	PLAN & PROFILE – ALLEN CREEK PATH STATION 16+00 TO STATION 22+00	X13	CROSS SECTIONS – ALLEN CREEK PATH STATION 23+50 TO STATION 25+50
9	PLAN & PROFILE – ALLEN CREEK PATH STATION 21+60 TO STATION 27+60	X14	CROSS SECTIONS – ALLEN CREEK PATH STATION 25+75 TO STATION 25+95
10	PLAN WESTFIELD MEADOWS SIDEWALK	CULVERT REPLACEMENT SHEETS	
DETAILS		C1.02	GENERAL NOTES
11	SANITARY SEWER AND STORM SEWER – STANDARD CONSTRUCTION DETAILS	C1.03	EROSION CONTROL NOTES
12	WATER MAIN – STANDARD CONSTRUCTION DETAILS	C3.01	DETAILS
13	STREET IMPROVEMENTS – STANDARD CONSTRUCTION DETAILS	C3.02	EROSION CONTROL DETAILS
14	PORTER ROAD DETOUR PLAN	C3.03	EROSION CONTROL DETAILS
CROSS SECTIONS		C4.01	REMOVALS PLAN
X1	CROSS SECTIONS – PORTER ROAD STATION 4+85 TO STATION 5+49	C4.02	EROSION CONTROL PLAN
X2	CROSS SECTIONS – PORTER ROAD STATION 5+87 TO STATION 6+71	C4.03	GRADING AND DRAINAGE PLAN
X3	CROSS SECTIONS – PORTER ROAD PATH STATION 102+00 TO STATION 104+50	C5.01	COUNTY MATERIALS BOX CULVERT DETAILS
X4	CROSS SECTIONS – PORTER ROAD PATH STATION 105+00 TO STATION 107+50		

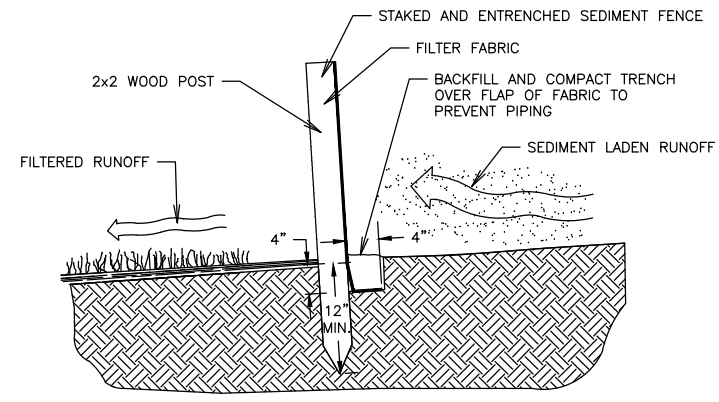


EROSION CONTROL NOTES:

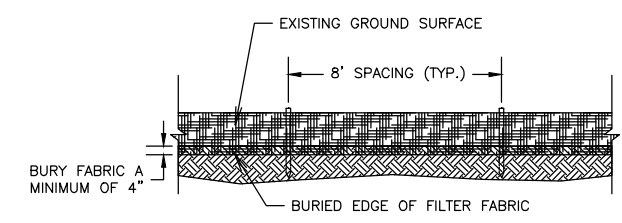
- LOCATIONS MARKED WITH "■" TO RECEIVE INLET FILTER PROTECTION DURING CONSTRUCTION. ALL NEW STREET INLETS MUST ALSO RECEIVE INLET FILTER PROTECTION.
- CONSTRUCT A STONE CHECK DAM IN GUTTER LINE AT ALL LOCATIONS MARKED WITH "▲"
- SURFACE FLOW DIRECTION IS INDICATED WITH
- SILT FENCE INSTALLATION IS INDICATED WITH
- POST WDNR CERTIFICATE OF PERMIT COVERAGE ON SITE AND MAINTAIN UNTIL CONSTRUCTION ACTIVITIES HAVE CEASED, THE SITE IS STABILIZED, AND A NOTICE OF TERMINATION IS FILED WITH WDNR.
- KEEP A COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THE DURATION OF THE PROJECT.
- SUBMIT PLAN REVISIONS OR AMENDMENTS TO THE WDNR AT LEAST 5 DAYS PRIOR TO FIELD IMPLEMENTATION.
- THE CONTRACTOR IS RESPONSIBLE FOR ROUTINE SITE INSPECTIONS AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER. KEEP INSPECTION REPORTS ON-SITE AND MAKE THEM AVAILABLE UPON REQUEST.
- INSPECT AND MAINTAIN ALL INSTALLED EROSION CONTROL PRACTICES UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
- WHEN POSSIBLE: PRESERVE EXISTING VEGETATION (ESPECIALLY ADJACENT TO SURFACE WATERS), MINIMIZE LAND-DISTURBING CONSTRUCTION ACTIVITY ON SLOPES OF 20% OR MORE, MINIMIZE SOIL COMPACTION, AND PRESERVE TOPSOIL.
- REFER TO THE WDNR STORMWATER CONSTRUCTION TECHNICAL STANDARDS AT http://dnr.wi.gov/topic/stormwater/standards/const_standards.html.
- INSTALL PERIMETER EROSION CONTROLS AND ROCK TRACKING PAD CONSTRUCTION ENTRANCE(S) PRIOR TO ANY LAND-DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRUBBING. USE WDNR TECHNICAL STANDARD STONE TRACKING PAD AND TIRE WASHING #1057 FOR ROCK CONSTRUCTION ENTRANCE(S).
- INSTALL INLET PROTECTION PRIOR TO LAND-DISTURBING ACTIVITIES IN THE CONTRIBUTING DRAINAGE AREA AND/OR IMMEDIATELY UPON INLET INSTALLATION. COMPLY WITH WDNR TECHNICAL STANDARD STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITES #1060.

- STAGE CONSTRUCTION GRADING ACTIVITIES TO MINIMIZE THE CUMULATIVE EXPOSED AREA. CONDUCT TEMPORARY GRADING FOR EROSION CONTROL PER WDNR TECHNICAL STANDARD TEMPORARY GRADING PRACTICES FOR EROSION CONTROL #1067.
- NOTIFY THE OWNER IF DEWATERING IS SCHEDULED TO OCCUR IN AREAS OF SOIL AND/OR GROUNDWATER CONTAMINATION, OR IF DEWATERING WILL OCCUR FROM A HIGH CAPACITY WELL (70 GPM OR MORE). DEWATER ONLY AFTER THE APPROPRIATE WDNR DEWATERING DISCHARGE PERMIT HAS BEEN OBTAINED.
- PROVIDE ANTI-SCOUR PROTECTION AND MAINTAIN NON-EROSIVE FLOW DURING DEWATERING. LIMIT PUMPING RATES TO EITHER (A) THE SEDIMENT BASIN/TRAP DESIGN DISCHARGE RATE, OR (B) THE BASIN DESIGN RELEASE RATE WITH THE CORRECTLY-FITTED HOSE AND GEOTEXTILE FILTER BAG. PERFORM DEWATERING OF ACCUMULATED SURFACE RUNOFF IN ACCORDANCE WITH WDNR TECHNICAL STANDARD DE-WATERING #1061.
- INSTALL AND MAINTAIN SILT FENCING PER WDNR TECHNICAL STANDARD SILT FENCE #1056. REMOVE SEDIMENT FROM BEHIND SILT FENCES AND SEDIMENT BARRIERS BEFORE SEDIMENT REACHES A DEPTH THAT IS EQUAL TO ONE-HALF OF THE FENCE AND/OR BARRIER HEIGHT.
- REPAIR BREAKS AND GAPS IN SILT FENCES AND BARRIERS IMMEDIATELY. REPLACE DECOMPOSING STRAW BALES (TYPICAL BALE LIFE IS 3 MONTHS). LOCATE, INSTALL, AND MAINTAIN STRAW BALES PER WDNR TECHNICAL STANDARD DITCH CHECKS #1062.
- INSTALL AND MAINTAIN FILTER SOCKS IN ACCORDANCE WITH WDNR TECHNICAL STANDARD INTERIM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS #1071.
- IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILES AS NEEDED WITH SILT FENCE OR OTHER PERIMETER CONTROL IF STOCKPILES WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER.
- IMMEDIATELY STABILIZE ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER. BETWEEN SEPTEMBER 15 AND OCTOBER 15: STABILIZE WITH MULCH, TACKIFIER, AND A PERENNIAL SEED MIXED WITH WINTER WHEAT, ANNUAL OATS, OR ANNUAL RYE, AS APPROPRIATE FOR REGION AND SOIL TYPE. OCTOBER 15 THROUGH COLD WEATHER: STABILIZE WITH A POLYMER AND DORMANT SEED MIX, AS APPROPRIATE FOR REGION AND SOIL TYPE.
- STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE.
- SWEEP/CLEAN UP ALL SEDIMENT/TRASH THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS BEFORE THE END OF THE SAME WORKDAY OR AS DIRECTED BY THE OWNER. SEPARATE SWEEP MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST PER WDNR TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES #1068.

- PROPERLY DISPOSE OF ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, OR OTHER CONSTRUCTION MATERIALS) AND DO NOT ALLOW THESE MATERIALS TO BE CARRIED BY RUNOFF INTO THE RECEIVING CHANNEL.
- COORDINATE WITH THE OWNER TO UPDATE THE LAND DISTURBANCE PERMIT TO INDICATE THE ANTICIPATED OR LIKELY DISPOSAL LOCATIONS FOR ANY EXCAVATED SOILS OR CONSTRUCTION DEBRIS THAT WILL BE HAULED OFF-SITE FOR DISPOSAL. THE DEPOSITED OR STOCKPILED MATERIAL NEEDS TO INCLUDE PERIMETER SEDIMENT CONTROL MEASURES (SUCH AS SILT FENCE, HAY BALES, FILTER SOCKS, OR COMPACTED EARTHEN BERMS).
- FOR NON-CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES, PROVIDE CLASS I, II OR III TYPE A EROSION CONTROL MATTING. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WDOT'S WIDOT PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD NON-CHANNEL EROSION MAT #1052.
- FOR CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED AREAS, PROVIDE CLASS I, II, OR III TYPE B EROSION CONTROL MATTING. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WDOT'S WIDOT PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD CHANNEL EROSION MAT #1053.
- INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES (SUCH AS TEMPORARY SEDIMENT BASINS, DITCH CHECKS, EROSION CONTROL MATTING, SILT FENCING, FILTER SOCKS, WATTLES, SWALES, ETC.), OR AS DIRECTED BY THE OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE WDNR REMEDIATION AND WASTE MANAGEMENT REQUIREMENTS FOR HANDLING AND DISPOSING OF CONTAMINATED MATERIALS. SITE-SPECIFIC INFORMATION FOR AREAS WITH KNOWN OR SUSPECTED SOIL AND/OR GROUNDWATER CONTAMINATION CAN BE FOUND ON WDNR'S BUREAU OF REMEDIATION AND REDEVELOPMENT TRACKING SYSTEM (BRRTS) PUBLIC DATABASE AT: <http://dnr.wi.gov/botw/>

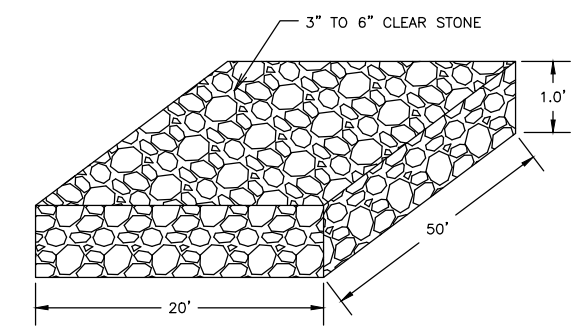


CROSS-SECTION OF A PROPERLY INSTALLED SEDIMENT FENCE



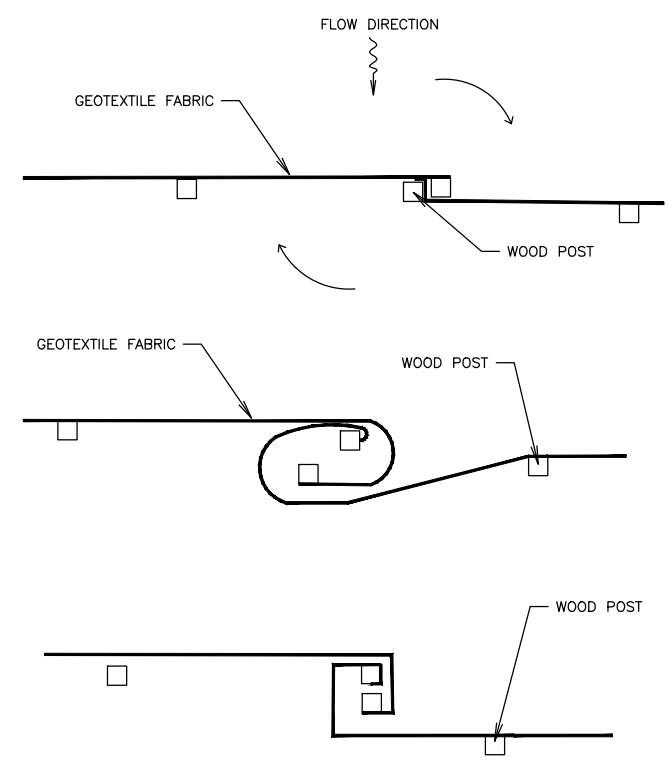
SEDIMENT FENCE DETAIL

DETAIL
SEDIMENT FENCE

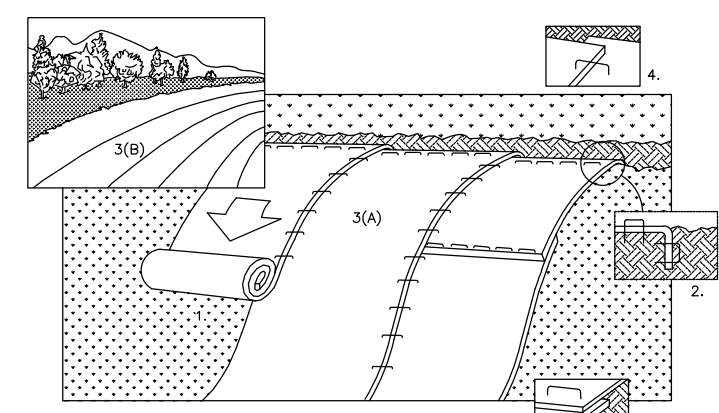


NOTE:
- ON STREET SURFACES
CRUSHED AGGREGATE BASE STONE
SERVES AS TRACKING PAD.

DETAIL
CLEAR STONE TRACKING PAD



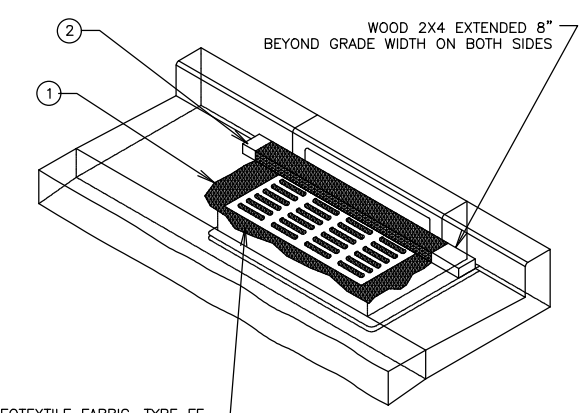
DETAIL
SEDIMENT FENCE JOINT



- NOTE:
REFER TO GENERAL PATTERN GUIDE FOR CORRECT STAPLE PATTERN RECOMMENDATIONS FOR SLOPE INSTALLATIONS
1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF FERTILIZER AND SEED. NOTE: WHEN USING CELL-0-SEED DO NOT SEED PREPARED AREA. CELL-0-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
 2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
 3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE.
 4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP
 5. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 4" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.
 6. ALL BLANKETS MUST BE SECURELY FASTENED TO THE SLOPE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS RECOMMENDED BY THE MANUFACTURER.

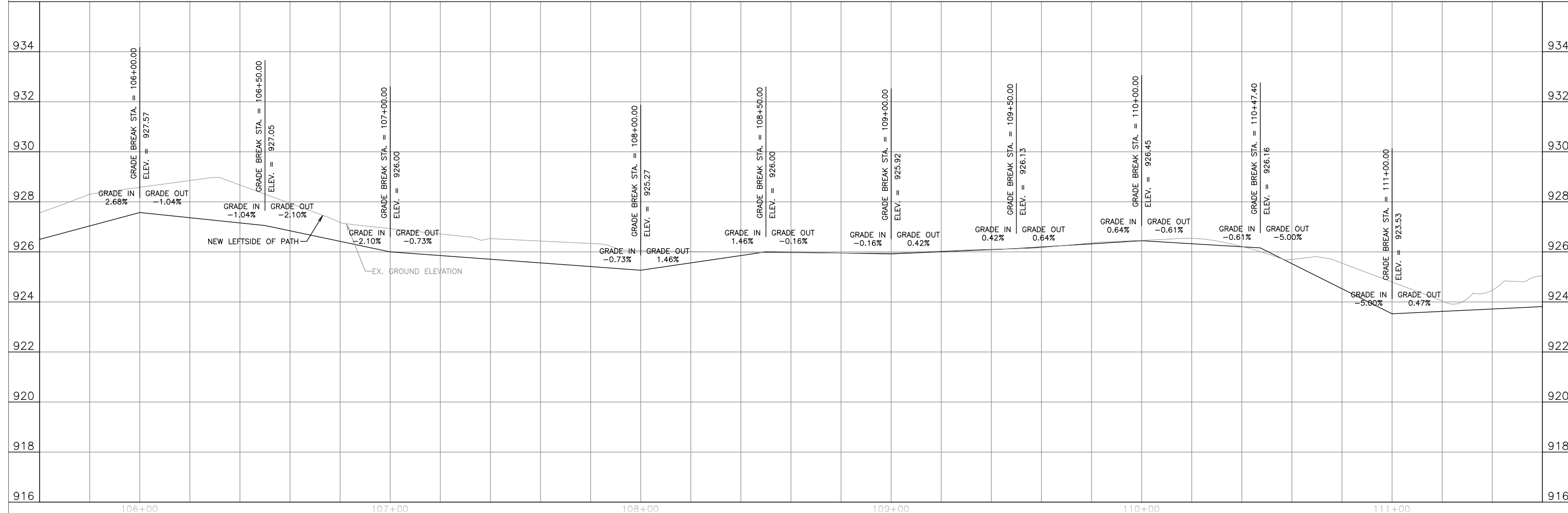
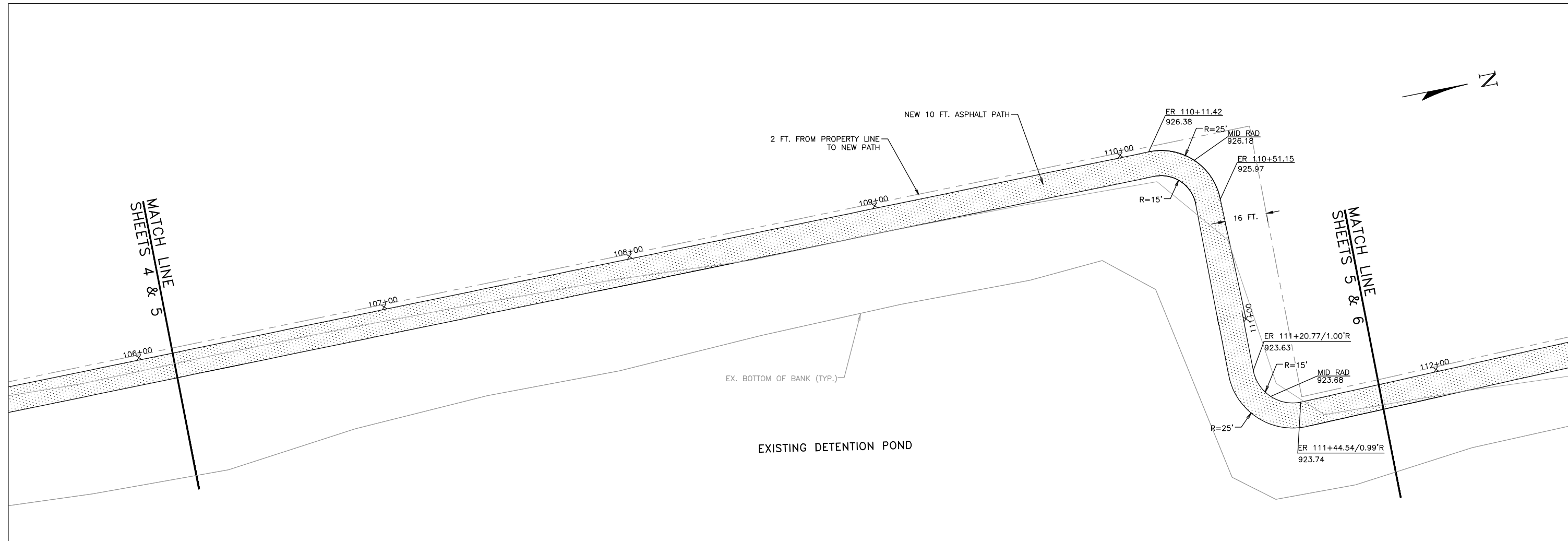
DETAIL
EROSION CONTROL MAT - SLOPE INSTALLATION

NOTES:
FABRIC SHALL BE REPLACED AT THE ENGINEER'S DISCRETION
THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX.
MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.
WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED IN THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

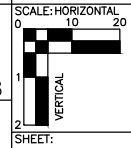


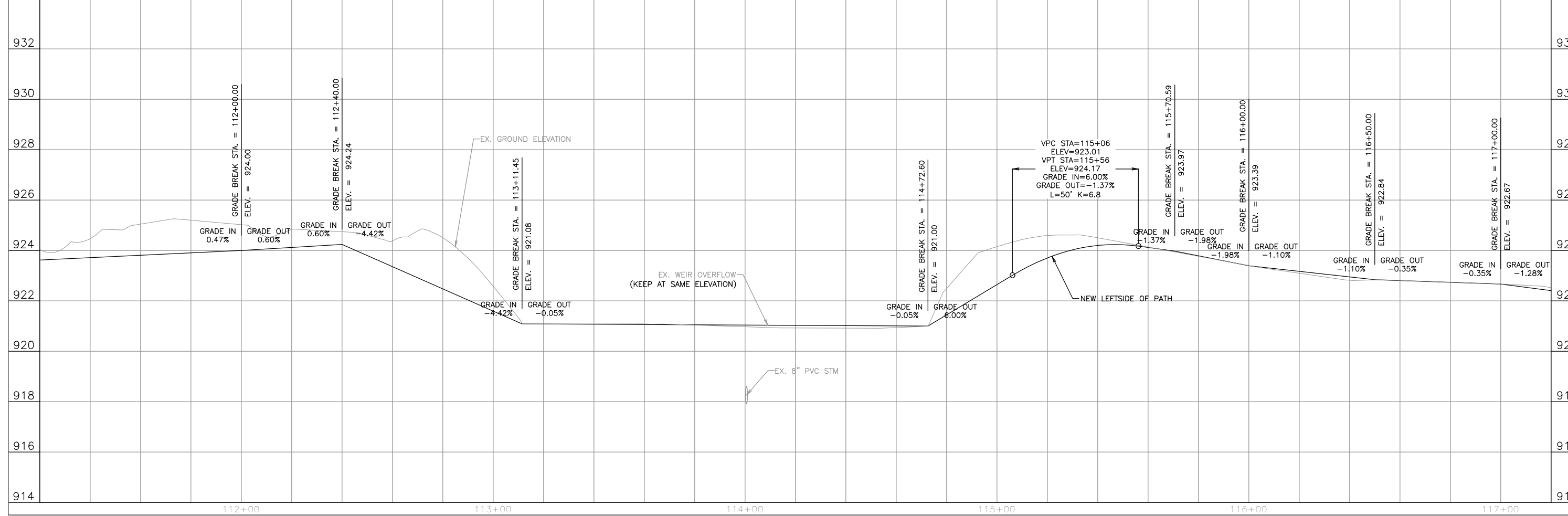
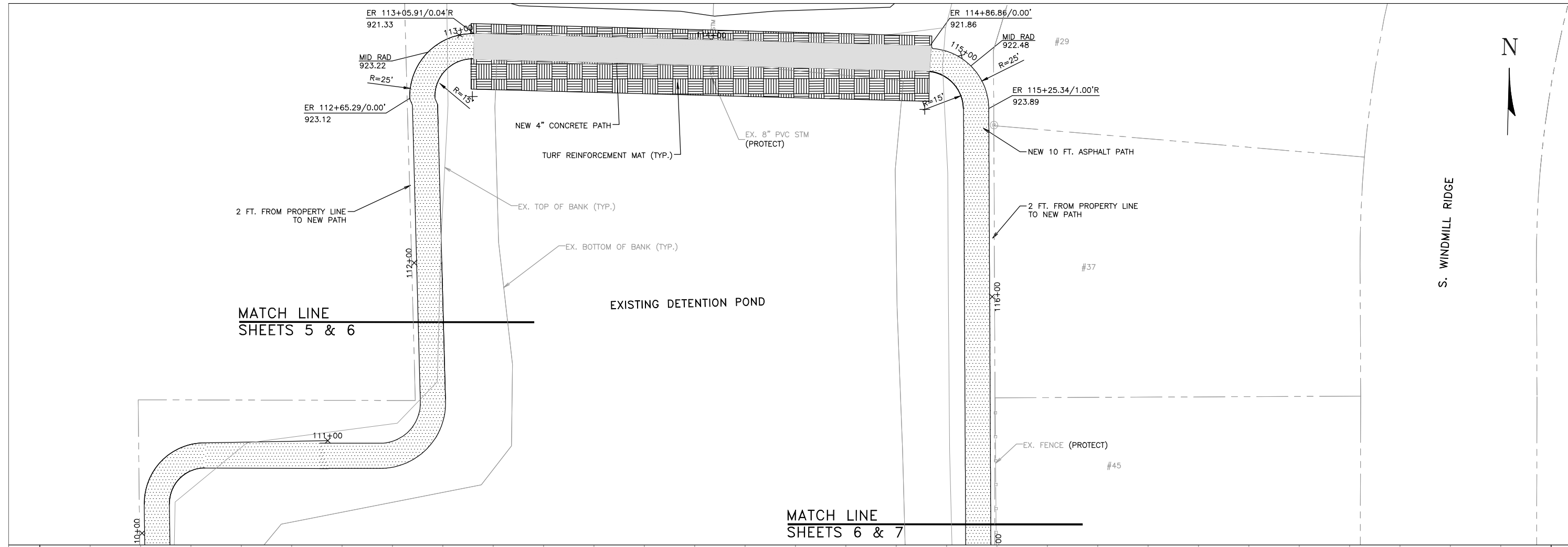
- 1 FABRIC SIZE SHALL BE 8" (MIN.) GREATER ON ALL SIDES OF THE INLET COVER TO PROVIDE A HAND HOLD WHEN MAINTENANCE OR REMOVAL IS REQUIRED.
- 2 FOR INLET PROTECTION, TYPE C, WITH A CURB BOX, AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES.

DETAIL
INLET PROTECTION -TYPE C (W/ CURB BOX)



PROJECT NO.: EV 127
DRAWING FILE: EV17 SHEETS.DWG
DRAWN BY: N.J.D.
CHECKED BY: B.R.B.
DATE: 2-14-25
REVISIONS:





6264 Nesbitt Road
Madison, WI 53719
(608) 273-3350
www.tceengineers.net

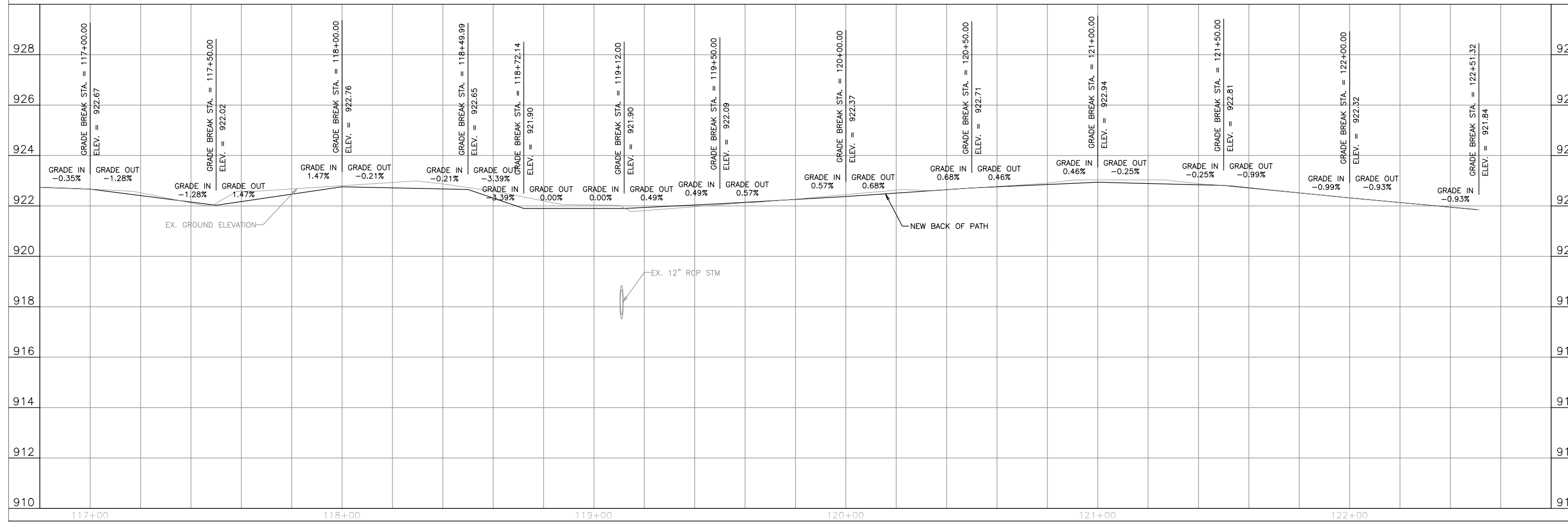
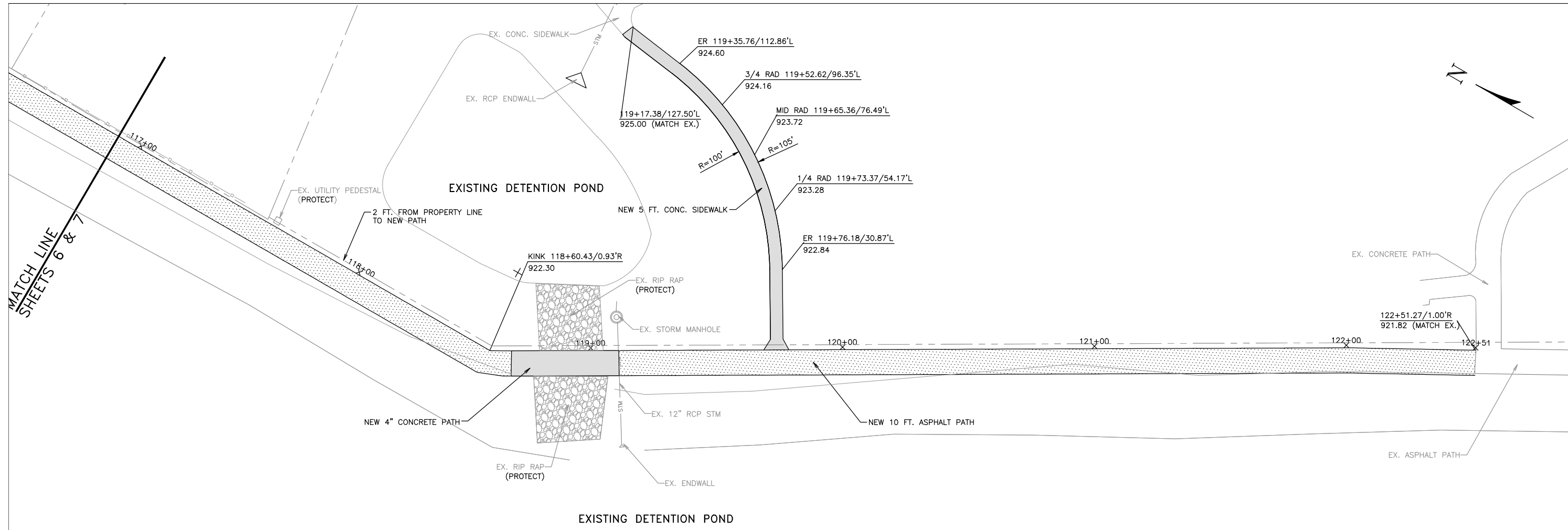
tc TOWN & COUNTRY ENGINEERING, INC.

PLAN & PROFILE
PORTER ROAD PATH
Station 111+20 To Station 117+20

2025 PORTER ROAD UTILITY, STREET,
AND PATH IMPROVEMENTS
City of Evansville, Wisconsin

PROJECT NO.:
EV 127
DRAWING FILE:
EV127_SHEETS.DWG
DRAWN BY:
N.J.D.
CHECKED BY:
B.R.B.
DATE:
2-14-25
REVISIONS:

SCALE: HORIZONTAL
0 10 20
VERTICAL
1 2
SHEET:
6



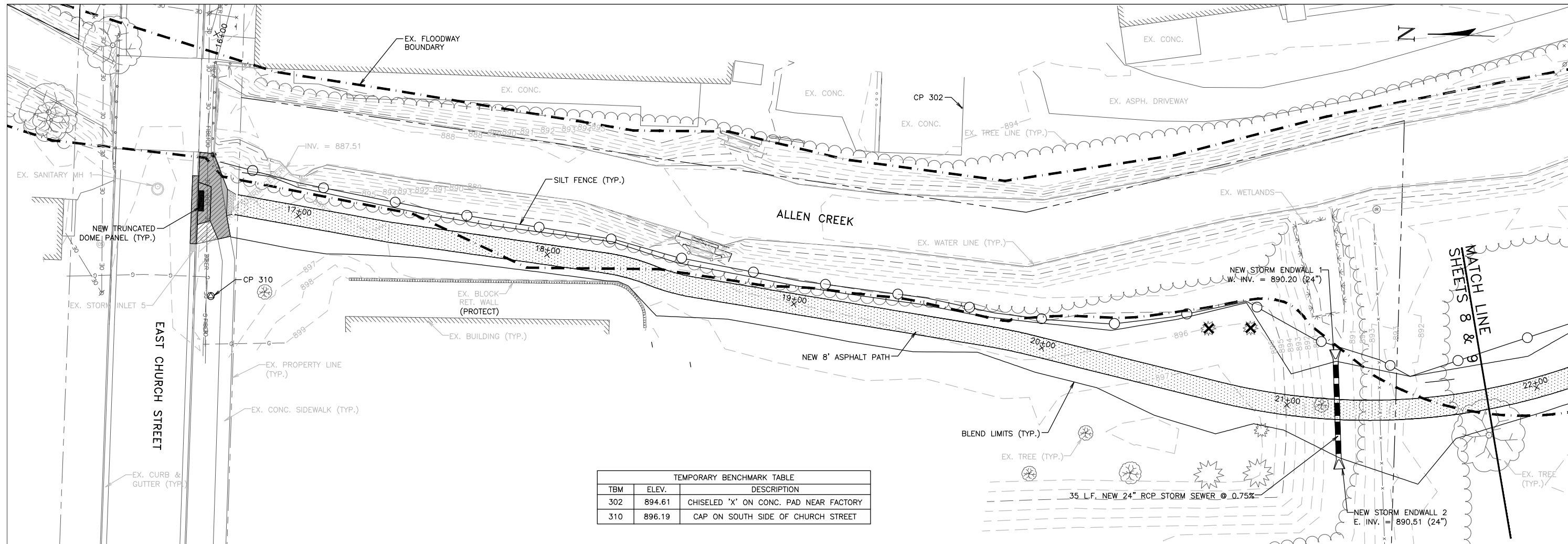
PLAN & PROFILE
PORTER ROAD PATH
Station 116+80 To Station 122+80

**2025 PORTER ROAD UTILITY, STREET,
AND PATH IMPROVEMENTS**
City of Evansville, Wisconsin

PROJECT NO.: EV 127
DRAWING FILE: EV127_SHEETS.DWG
DRAWN BY: N.J.D.
CHECKED BY: B.R.B.
DATE: 2-14-25
REVISIONS:
SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=2'
SHEET: 7

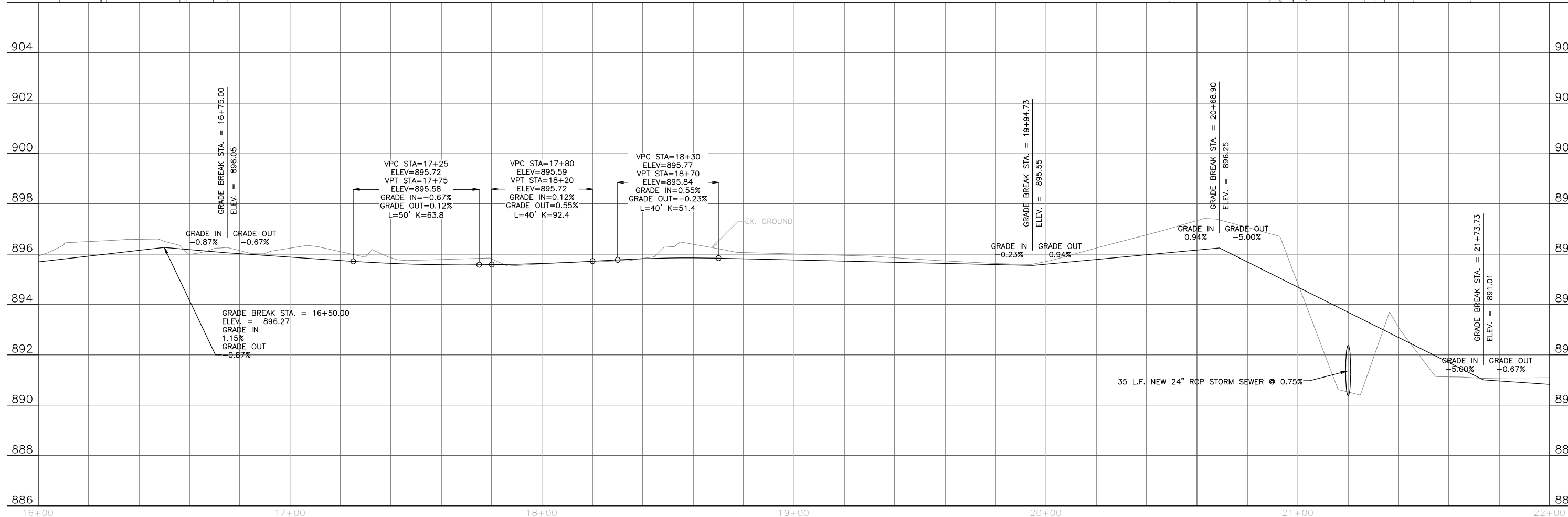
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ENGINEERING, INC.



TEMPORARY BENCHMARK TABLE

TBM	ELEV.	DESCRIPTION
302	894.61	CHISELED 'X' ON CONC. PAD NEAR FACTORY
310	896.19	CAP ON SOUTH SIDE OF CHURCH STREET



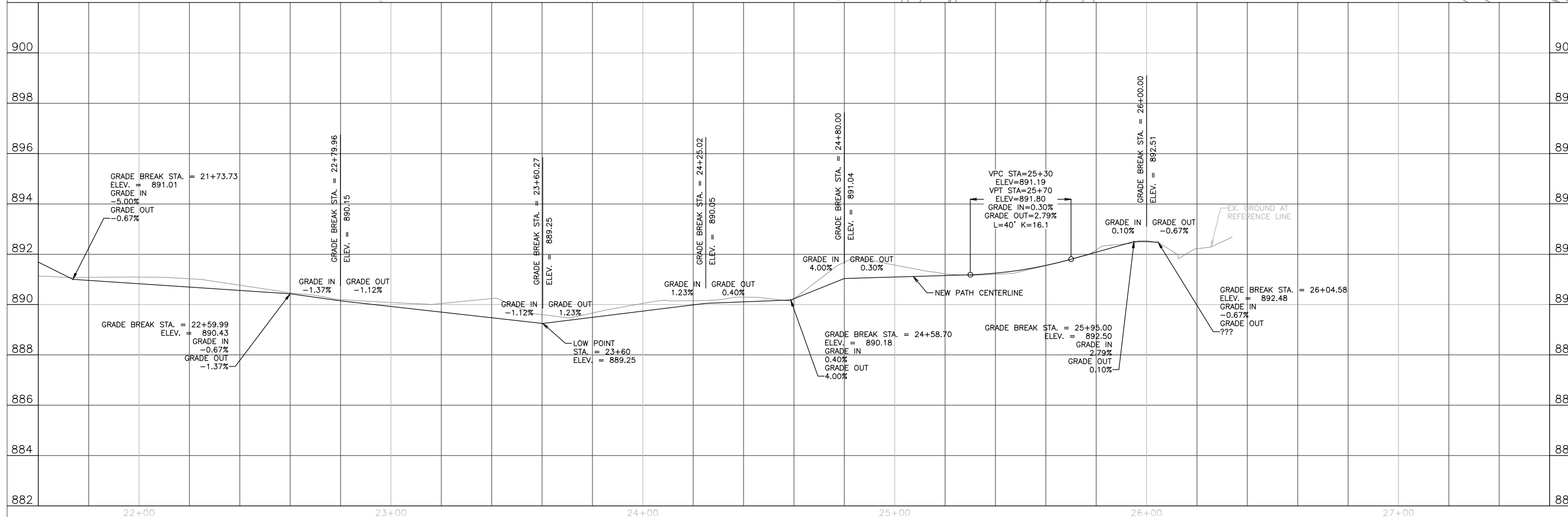
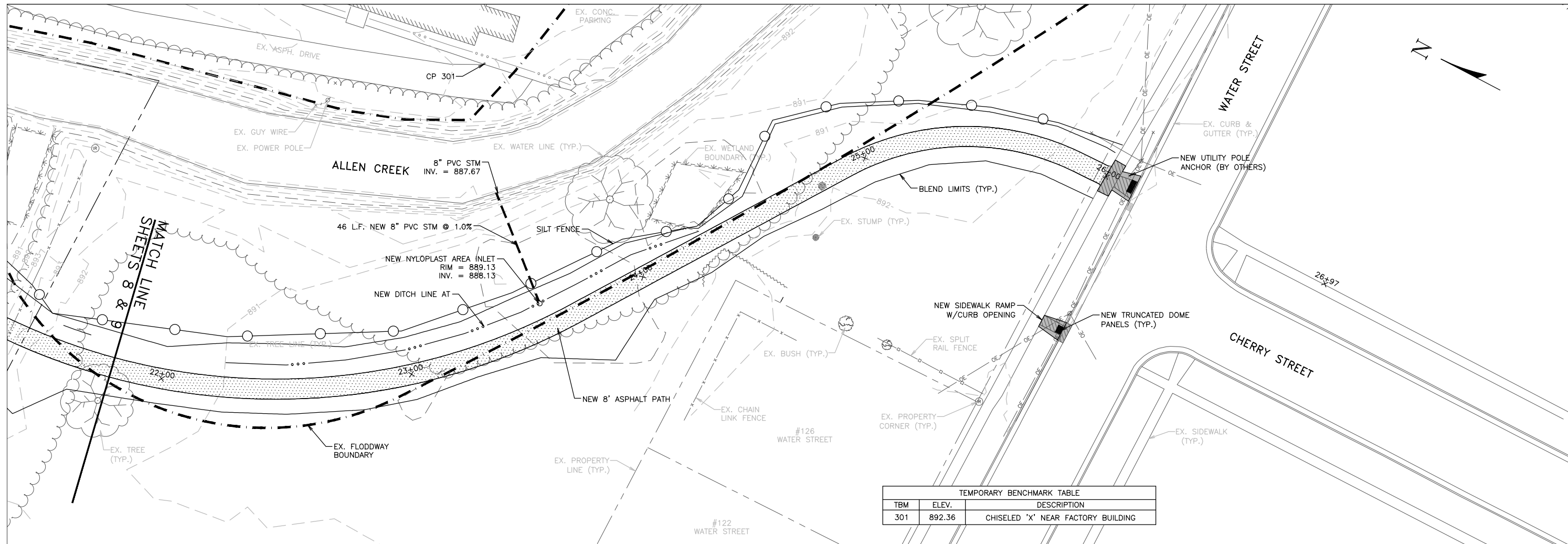
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TOWN & COUNTRY
ENGINEERING, INC.

PLAN & PROFILE
ALLEN CREEK PATH
Station 16+00 To Station 22+00

2025 PORTER ROAD UTILITY, STREET,
AND PATH IMPROVEMENTS
City of Evansville, Wisconsin

PROJECT NO.:
EV 127
DRAWING FILE:
EV 69 SHEETS.DWG
DRAWN BY:
N.J.D.
CHECKED BY:
B.R.B.
DATE:
2-14-25
REVISIONS:
SCALE: HORIZONTAL
0 5 10 20
VERTICAL
1 2
SHEET:
8

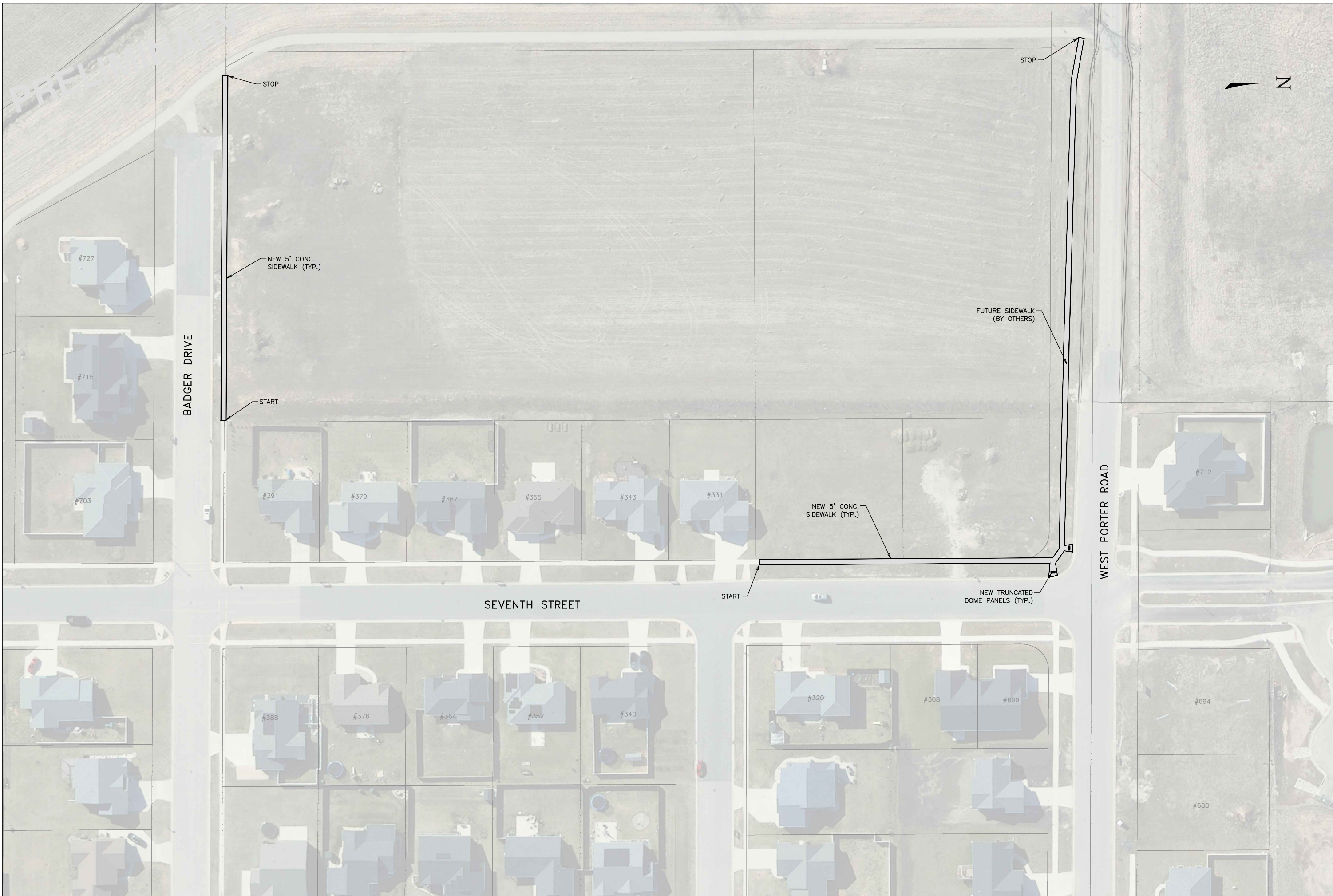


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PLAN & PROFILE
ALLEN CREEK PATH
Station 21+60 To Station 27+60

PROJECT NO.:
EV 127
DRAWING FILE:
EV 69 SHEETS.DWG
DRAWN BY:
N.J.D.
CHECKED BY:
B.R.B.
DATE:
2-14-25
REVISIONS:
SCALE: HORIZONTAL
0 = 10'
VERTICAL
1" = 10'
SHEET:
9



PRELIMINARY

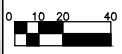
BADGER DRIVE

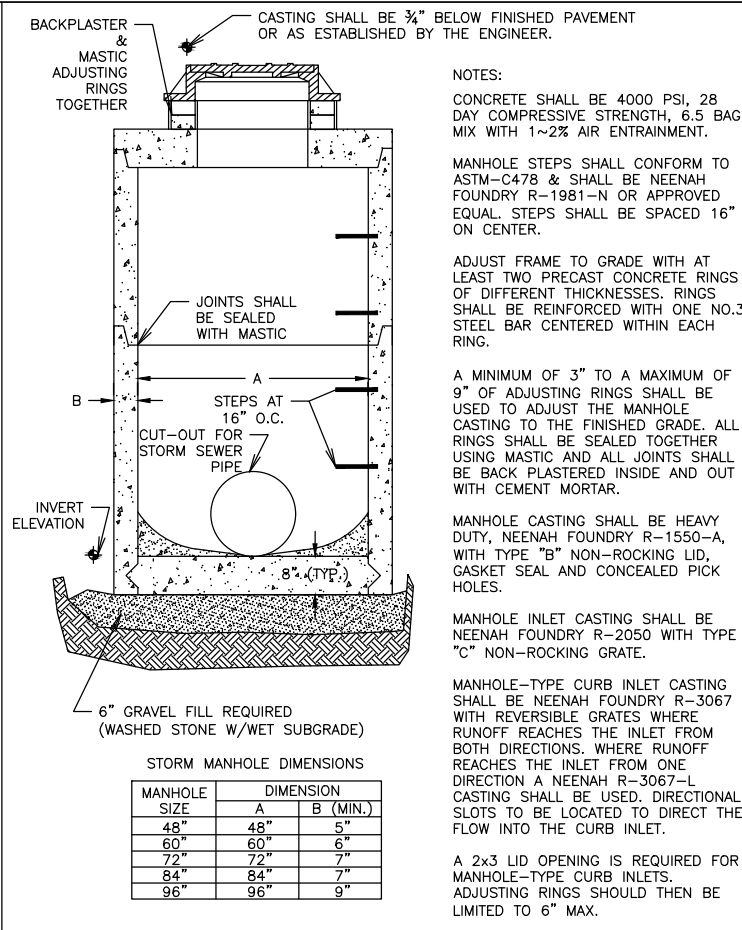
SEVENTH STREET

WEST PORTER ROAD



PROJECT NO.:	EV 127
DRAWING FILE:	EV124 CHERRY SHEETS.DWG
DRAWN BY:	N.J.D.
CHECKED BY:	B.R.B.
DATE:	2-14-25
REVISIONS:	
SCALE:	
SHEET:	10

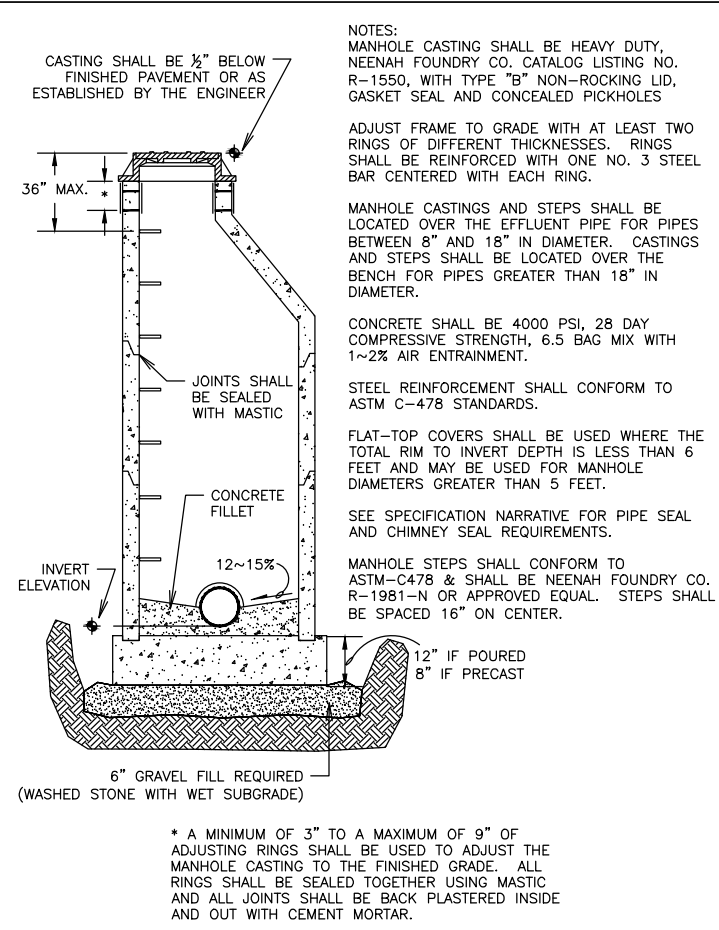




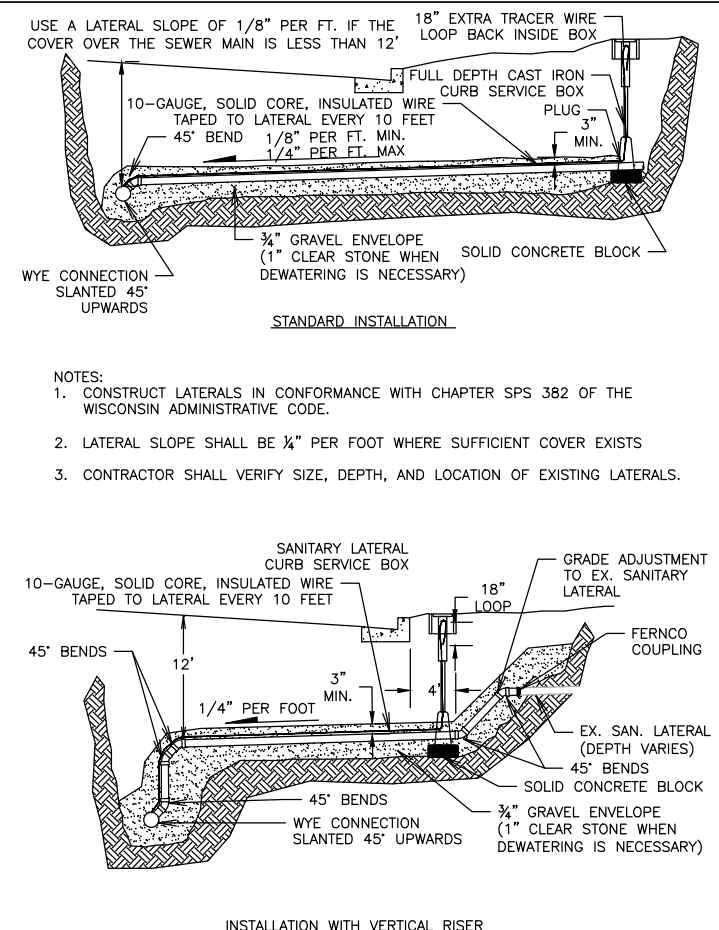
STORM MANHOLE DIMENSIONS

MANHOLE SIZE	DIMENSION	
	A	B (MIN.)
48"	48"	5"
60"	60"	6"
72"	72"	7"
84"	84"	7"
96"	96"	9"

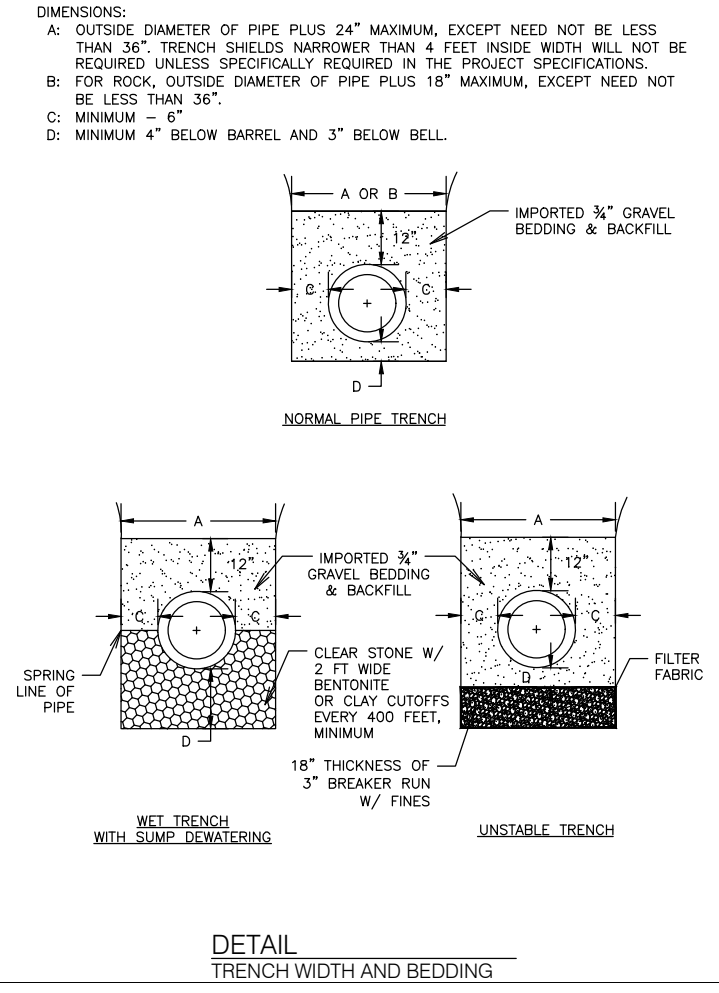
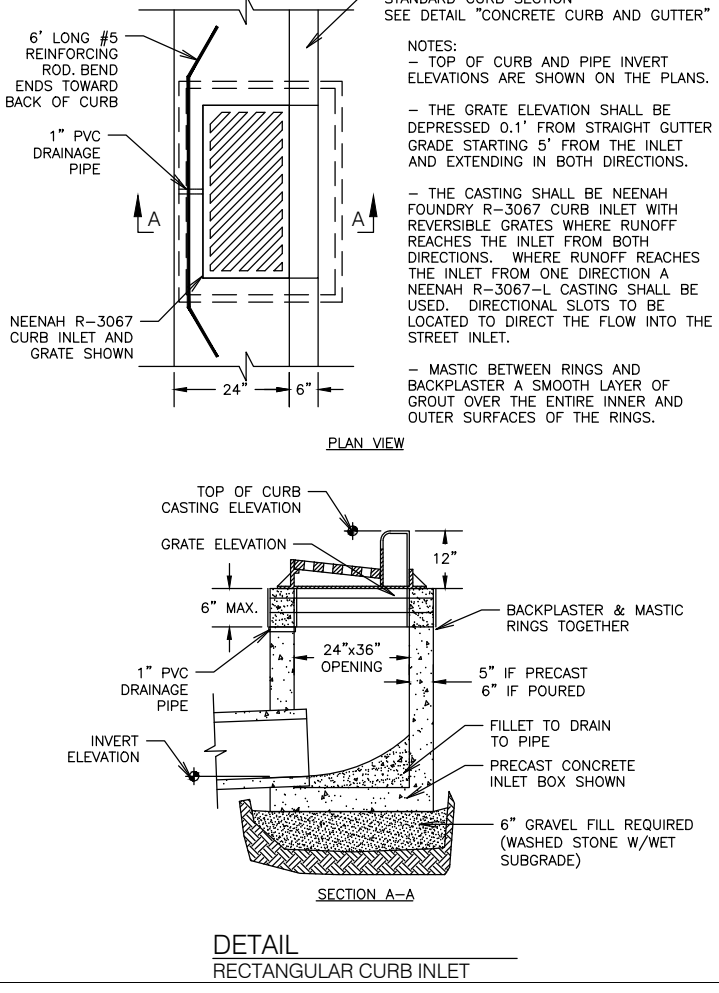
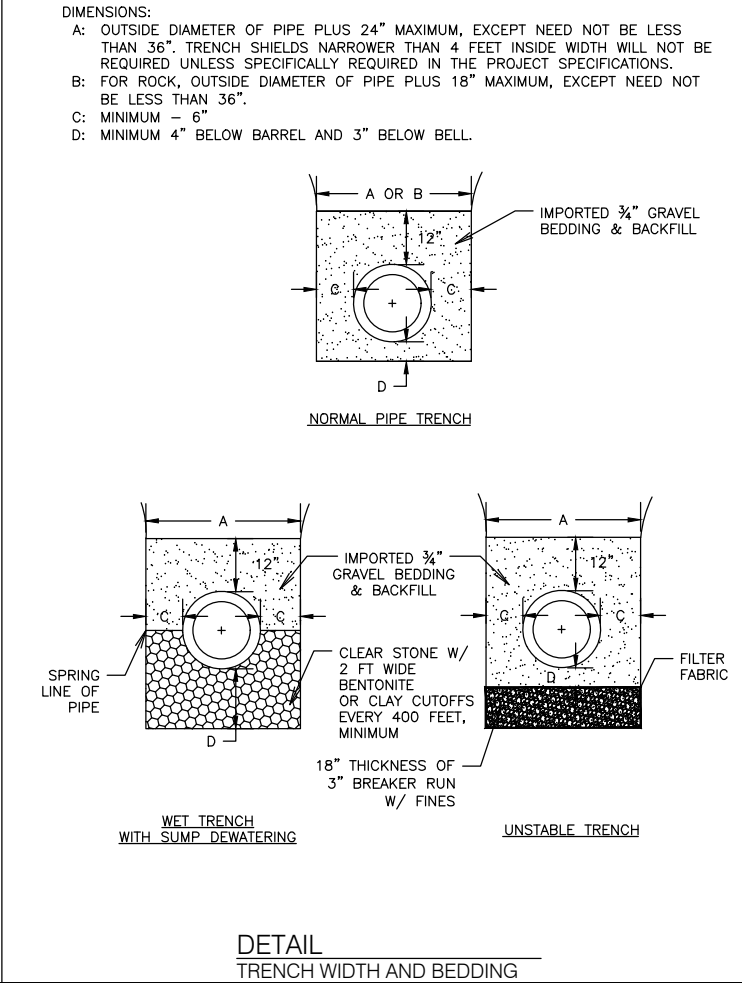
DETAIL
STORM SEWER MANHOLE AND INLET



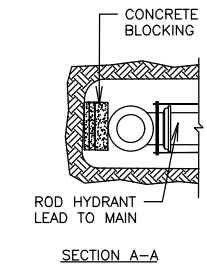
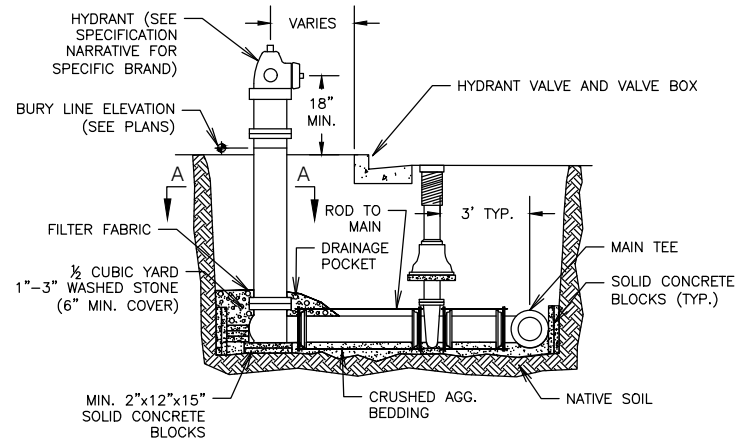
DETAIL
MANHOLE



DETAIL
SANITARY SEWER LATERAL



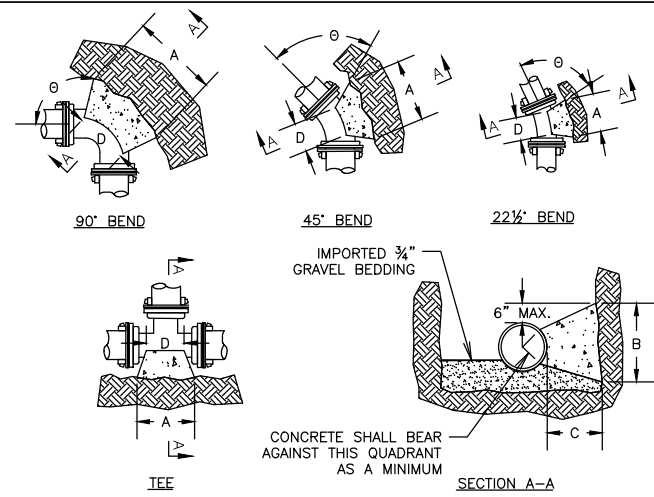
DETAIL
TRENCH WIDTH AND BEDDING



NOTES:

- WOOD BLOCKING MAY NOT BE USED. ONLY SOLID CONCRETE BLOCKS ARE ALLOWED.
- THE HYDRANT AND HYDRANT VALVE SHALL BE CONNECTED TO THE MAIN TEE BY RODDING IN ACCORDANCE WITH DETAIL "OFFSET AND RODDING", OR BY MEGALUGS.
- THE DISTANCE BETWEEN THE HYDRANT AND THE MAIN WILL VARY. OFFSET DISTANCES ARE MARKED ON THE PLANS.
- WHERE THE HYDRANT IS INSTALLED AT THE HIGH POINT OF THE WATER MAIN ON MAINS 10 INCHES IN DIAMETER AND LARGER, THE CONTRACTOR SHALL TIP THE MAIN TEE UPWARDS 45 DEGREES AND USE A 45 DEGREE FITTING TO ALLOW AIR TO ESCAPE FROM THE MAIN.

DETAIL
HYDRANT SETTING



WOOD BLOCKING MAY NOT BE USED. ONLY SOLID CONCRETE BLOCKS ARE ALLOWED.

DIMENSION "D" SHALL BE AS LARGE AS POSSIBLE, BUT THE CONCRETE SHALL NOT INTERFERE WITH THE MECHANICAL JOINTS.

DIMENSION "C" SHALL BE AT LEAST 6 INCHES, AND LARGE ENOUGH TO MAKE THE "θ" ANGLE EQUAL TO OR GREATER THAN 45 DEGREES WITH THE DIMENSION "A" AS SHOWN ON THE TABLE, OR GREATER, AND WITH DIMENSION "D" AS LARGE AS POSSIBLE.

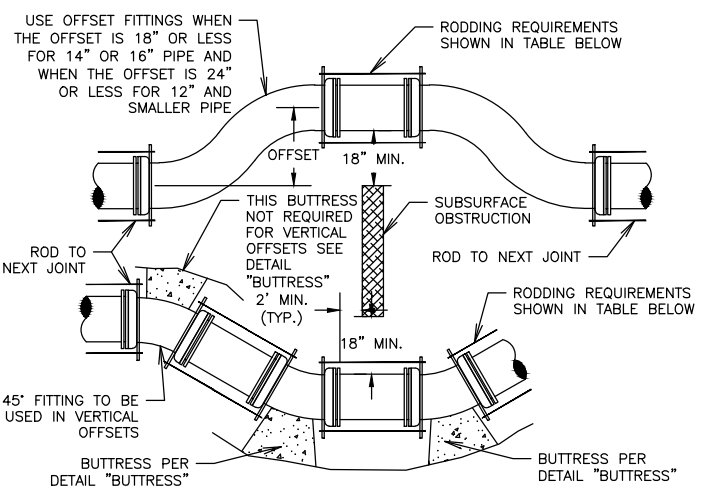
CONCRETE SHALL BE CLASS "CC". SEE SECTION 03301.

PIPE SIZE	BUTTRESS DIMENSIONS					
	TEES		22.5° BEND	45° BEND	90° BEND	
	A	B	A	B	A	B
6	1'-3"	1'-0"	1'-0"	1'-0"	1'-0"	1'-2"
8	1'-6"	1'-4"	1'-0"	1'-4"	1'-2"	1'-6"
10/12	2'-0"	1'-4"	1'-4"	1'-10"	1'-10"	2'-8"
14/16	2'-6"	1'-10"	1'-8"	2'-6"	2'-4"	3'-10"
18/20	3'-0"	2'-4"	2'-0"	3'-3"	2'-10"	5'-0"
22/24	3'-4"	2'-10"	2'-4"	4'-0"	3'-3"	6'-4"
30	6'-3"	4'-3"	3'-0"	5'-4"	3'-10"	8'-0"

* = FOR TEE THIS WILL BE THE BRANCH PIPE

DIMENSIONS IN THE TABLE ARE BASED ON A WATER PRESSURE OF 150 PSI AND SOIL RESISTANCE OF 200 LBS/SQ.FT.

DETAIL
BUTTRESS



NOMINAL PIPE SIZE	RODS NO.	RODS DIA.	STRAP SIZE	BOLT DIA.	WASHER SIZE
6	3	3/8"	1/2 x 2	3/8"	1/2 x 3 x 5
8	4	3/8"	1/2 x 2	3/8"	1/2 x 3 x 5
10	4	3/8"	1/2 x 2 1/2	1	1/2 x 3 x 5
12	4	3/8"	1/2 x 2 1/2	1	1/2 x 3 x 5
14	4	3/8"	1/2 x 2 1/2	1	1/2 x 3 x 5

ALL DIMENSIONS IN THIS TABLE ARE IN INCHES

NOTES:

- RODS AND WASHERS TO BE ASTM A-575 MERCHANT QUALITY 0.17-0.24 CARBON. NUTS TO BE AMERICAN STANDARD HEAVY, NOT PRESSED.
- THE RODS, BOLTS, NUTS, BANDS AND WASHERS TO BE FURNISHED AND ASSEMBLED BY THE CONTRACTOR.
- ALL STEEL MATERIAL TO BE GALVANIZED OR THOROUGHLY COATED WITH ENGINEER APPROVED COATING.
- OFFSET FITTINGS REQUIRE CONTINUOUS RODDING IN ALL POSITIONS.
- VERTICAL OFFSETS SHALL NOT CREATE A HIGH POINT IN THE WATER MAIN. VERTICAL OFFSETS REQUIRE THE SAME RODDING AND BUTTRESSING AS SHOWN ABOVE.
- MEGALUG RESTRAINTS MAY BE USED IN LIEU OF RODDING.

DETAIL
OFFSET AND RODDING

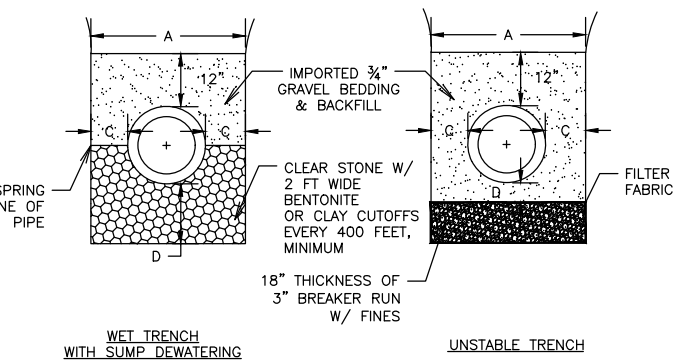
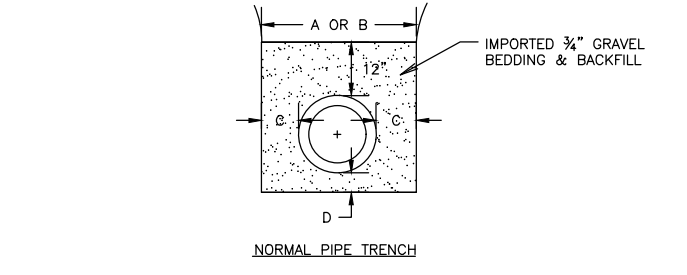
DIMENSIONS:

A: OUTSIDE DIAMETER OF PIPE PLUS 24" MAXIMUM, EXCEPT NEED NOT BE LESS THAN 36". TRENCH SHIELDS NARROWER THAN 4 FEET INSIDE WIDTH WILL NOT BE REQUIRED UNLESS SPECIFICALLY REQUIRED IN THE PROJECT SPECIFICATIONS.

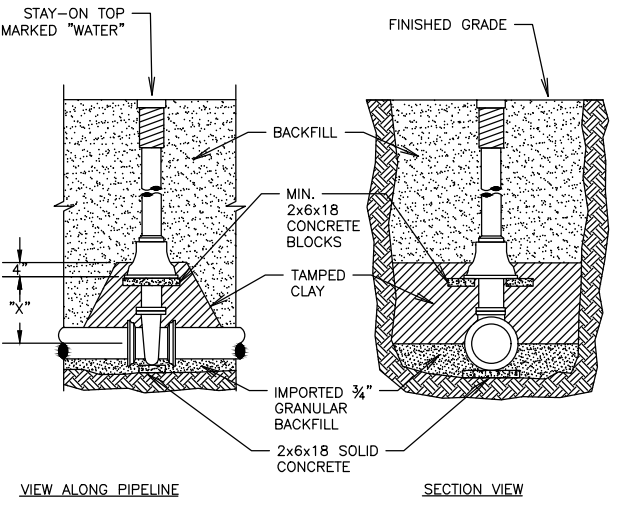
B: FOR ROCK, OUTSIDE DIAMETER OF PIPE PLUS 18" MAXIMUM, EXCEPT NEED NOT BE LESS THAN 36".

C: MINIMUM - 6"

D: MINIMUM 4" BELOW BARREL AND 3" BELOW BELL.



DETAIL
TRENCH WIDTH AND BEDDING

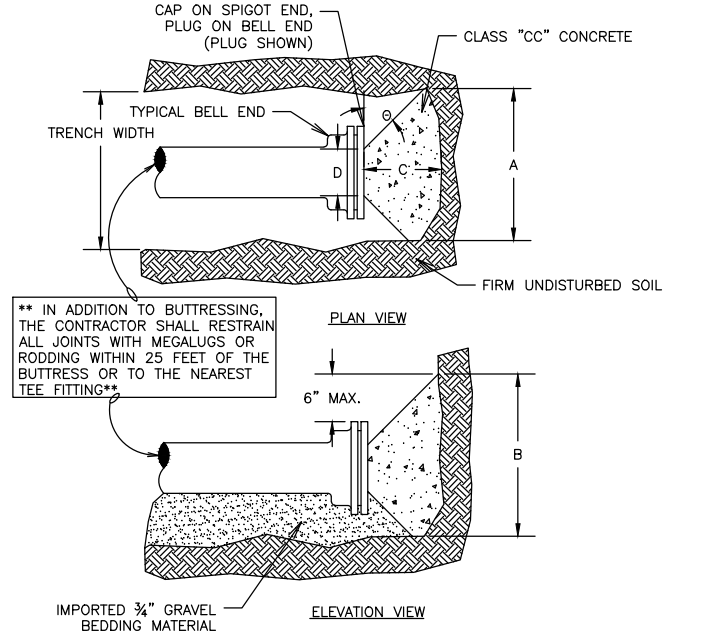


PIPE DIA., INCHES	6	8	10	12	14	16
"X" DIMENSION, INCHES	12	13	17	21	25	30

NOTES:

- SOLID CONCRETE BLOCKS MUST BE USED.
- VALVES SHALL BE SECURED WITH RODDING OR MEGALUGS TO THE NEAREST "TEE" FITTING OR TO THE FIRST JOINT CONNECTING A FULL SECTION OF WATER MAIN PIPE. SEE RODDING DETAIL "OFFSET AND RODDING".

DETAIL
VALVE BOX SETTING



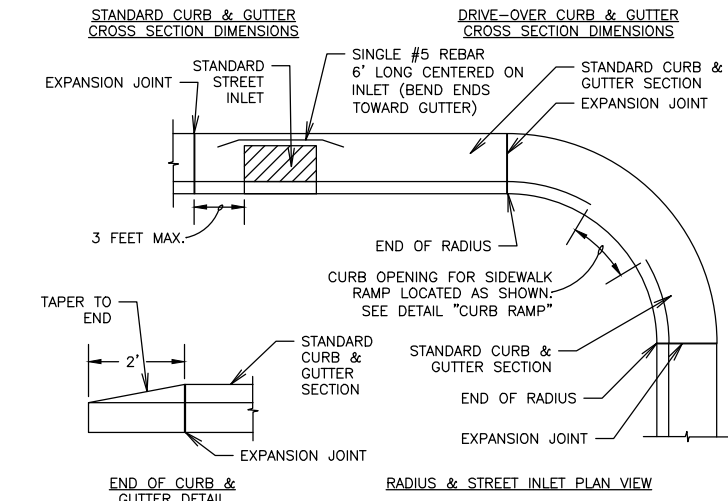
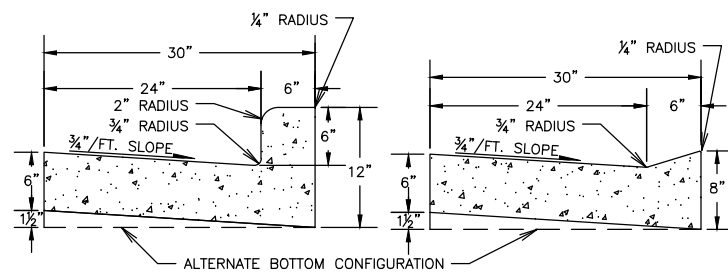
DIA.	BUTTRESS DIMENSIONS			
	A	B	C	D
6"	1'-3"	1'-0"		
8"	1'-8"	1'-6"		
10"	2'-0"	1'-8"		
12"	2'-5"	1'-10"		
16"	3'-4"	2'-4"		
20"	4'-3"	2'-10"		
24"	5'-2"	3'-4"		
30"	6'-9"	4'-0"		

SEE NOTES ABOVE

NOTES:

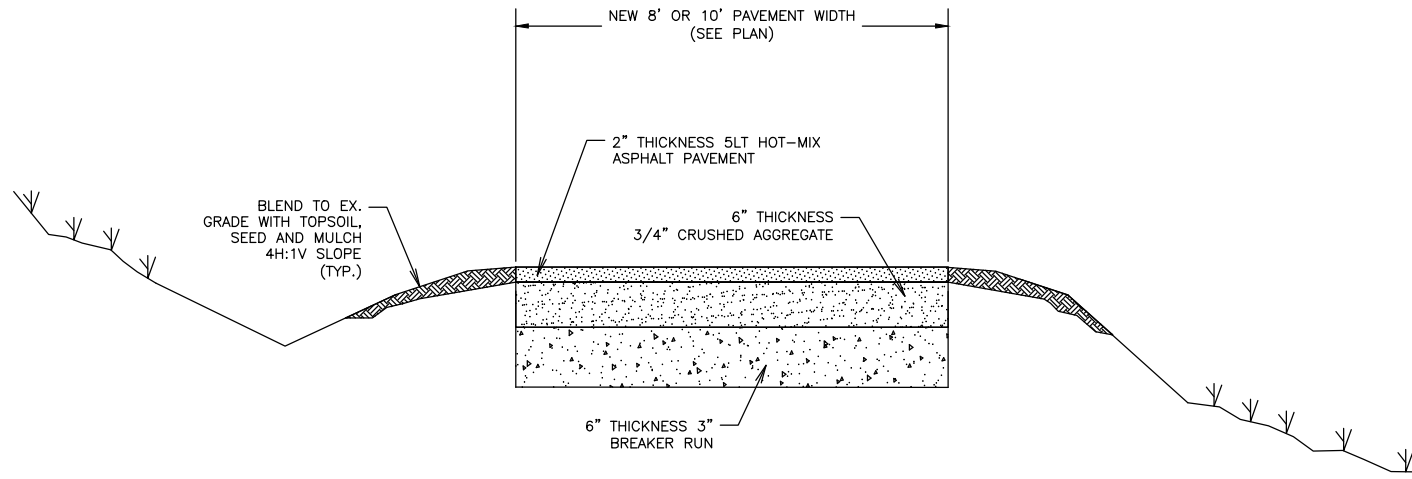
- DIMENSION "C" SHALL BE LARGE ENOUGH TO MAKE ANGLE θ EQUAL TO OR GREATER THAN 45°.
- DIMENSION "D" EQUALS APPROX. I.D. OF PIPE, LESS 2 INCHES. CONTRACTOR SHALL PROTECT THE MECH. JOINT BOLTS FROM THE CONCRETE BUTTRESS.
- BUTTRESS DIMENSIONS ARE BASED UPON A SOIL RESISTANCE OF 2 TONS PER SQ. FT. AND A WATER PRESSURE OF 150 P.S.I.

DETAIL
BUTTRESS FOR DEAD ENDS

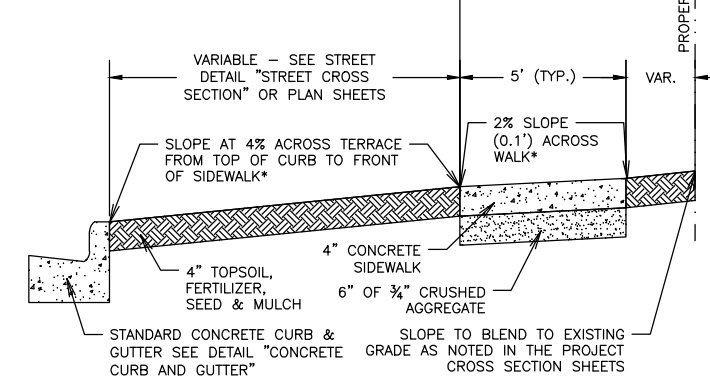


NOTES:
 1.) CONTRACTION JOINTS SHALL BE PLACED EVERY 6 TO 12 FEET AND AT LOCATIONS SHOWN IN THE CURB RAMP AND DRIVEWAY DETAILS.
 2.) EXPANSION JOINTS SHALL BE PLACED AT EVERY END OF RADIUS, 3 FEET ON ONE SIDE OF EACH STREET INLET AND AT INTERVALS NOT TO EXCEED 300 FEET.

DETAIL
CONCRETE CURB AND GUTTER



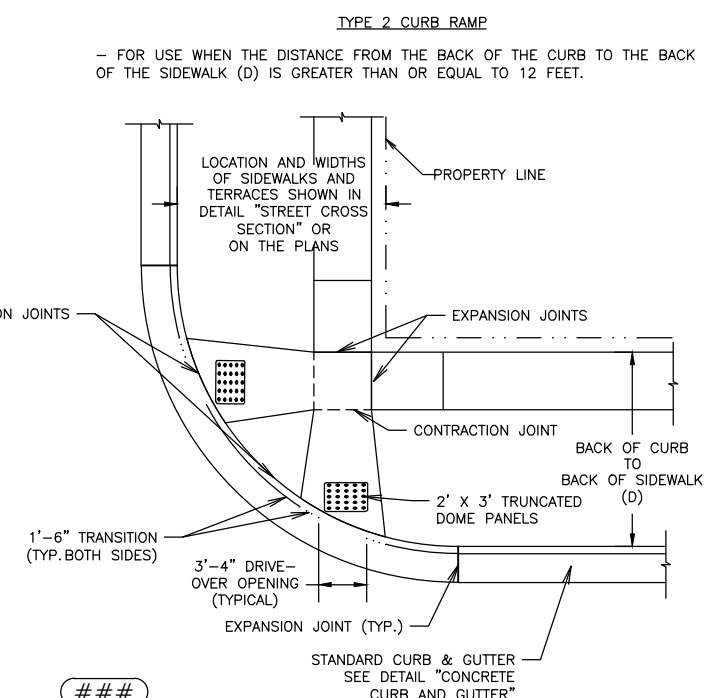
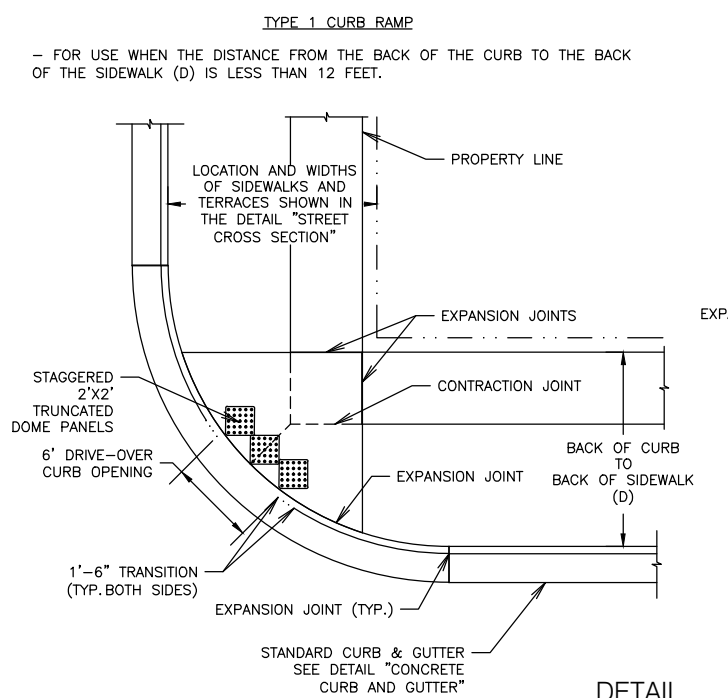
DETAIL
ASPHALT PATH



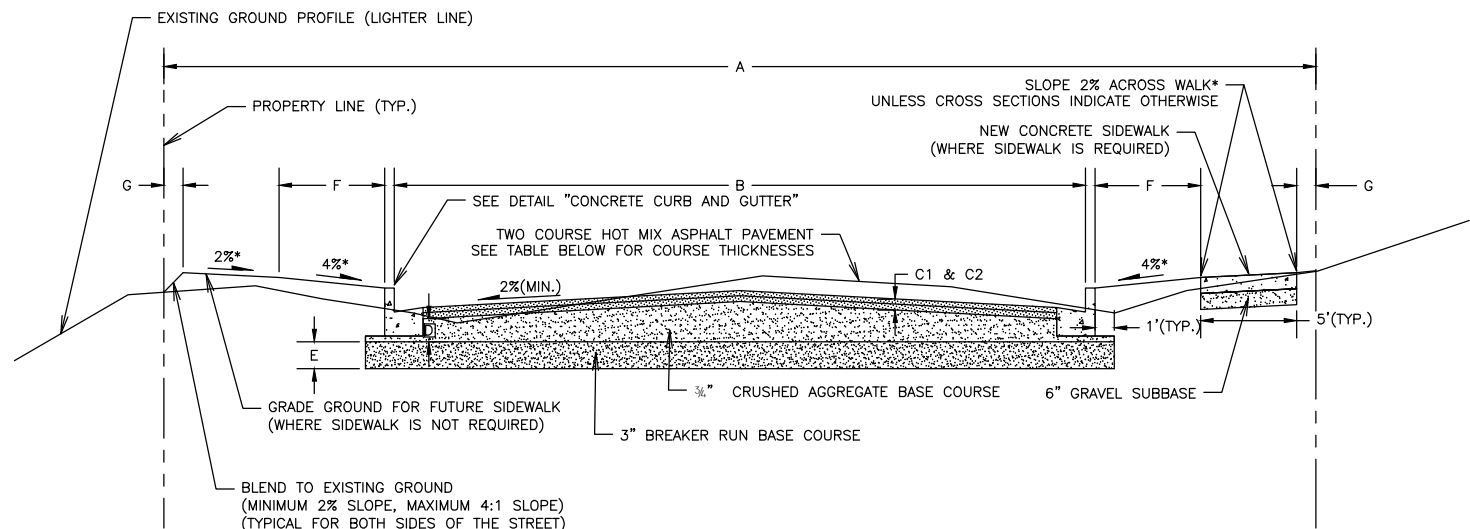
* WHERE PLAN CROSS SECTIONS CONFLICT WITH THIS DETAIL THE PLAN CROSS SECTIONS SHALL GOVERN.

DETAIL
SIDEWALK - TERRACE SECTION

NOTES:
 TRUNCATED DOME PANELS MUST TOUCH ONE CORNER TO RADIUS OF BACK OF CURB. IF MORE THAN ONE IS USED THEY MUST TOUCH OR OVERLAP. DOMES SHALL BE ALIGNED WITH CROSS WALK DIRECTION.



DETAIL
CURB RAMP

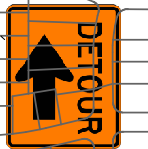
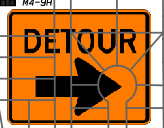
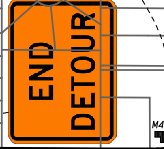
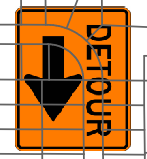


STANDARD STREET DETAIL DIMENSIONS

	A	B	C1	C2	D	E	F	G
	RIGHT OF WAY WIDTH	CURB FACE TO CURB FACE WIDTH	LOWER COURSE THICKNESS	SURFACE COURSE THICKNESS	C.A.B.C. THICKNESS*	3" BREAKER RUN B.C. THICKNESS	TERRACE WIDTH	BACK OF WALK TO PROP. LINE
PORTER ROAD	80'	VARIES	2.25"	1.75"	6"	9" MIN.	N/A	VARIES

*WHERE PLAN CROSS SECTIONS CONFLICT WITH THIS DETAIL, THE PLAN CROSS SECTION SHALL GOVERN.
 NOTES:
 THE CROWN OF THE ROAD SHALL BE CREATED USING THE 3/4" CRUSHED AGGREGATE BASE COURSE. THE THICKNESS SHOWN IS THE MINIMUM THICKNESS REQUIRED AS MEASURED AT THE CONCRETE CURB & GUTTER SECTION.
 THE 3" BREAKER RUN BASE COURSE THICKNESS MAY NEED TO BE INCREASED DEPENDING UPON SUBGRADE CONDITIONS.

DETAIL
STREET CROSS SECTION



NOTES:

No truck heavy traffic will be allowed on N. Pleasant Prairie Road.

All signs will be set according to the M.U.T.C.D. and WI DOT standards for the roadway type & speed limits.

Place lights for all signage left overnight.

Detour trailblazer signs should be installed in advance of a decision point (200 - 300 feet in advance of intersection).

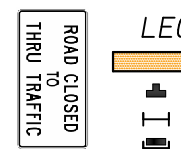
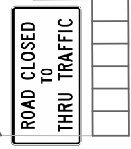
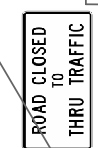
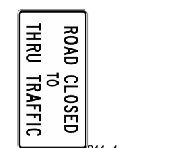
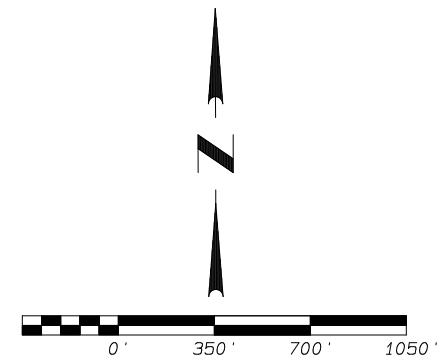
Where there is insufficient space, a single DETOUR AHEAD sign may be used in place of the DETOUR 1000 FT and the DETOUR 500 FT signs.

Where there is insufficient space, a single ROAD CLOSED AHEAD sign may be used in place of the ROAD CLOSED 1000 FT and ROAD CLOSED 500 FT signs.

For roadways with a posted speed limit less than or equal to 40 MPH, 6-inch letters should be used.

For roadways with a posted speed limit greater than 40 MPH, 8-inch letters should be used.

Total length of detour route = 3.26 miles.



LEGEND:

- DETOUR ROUTE
- SIGN ON PERMANENT SUPPORT
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/ SIGN
- PROPERTY LINE

Combs & Associates

109 W. Milwaukee St.
Janesville, WI 53548
www.combsurvey.com

LAND SURVEYING BY DATE 12/09/21

LAND PLANNING BY BFG

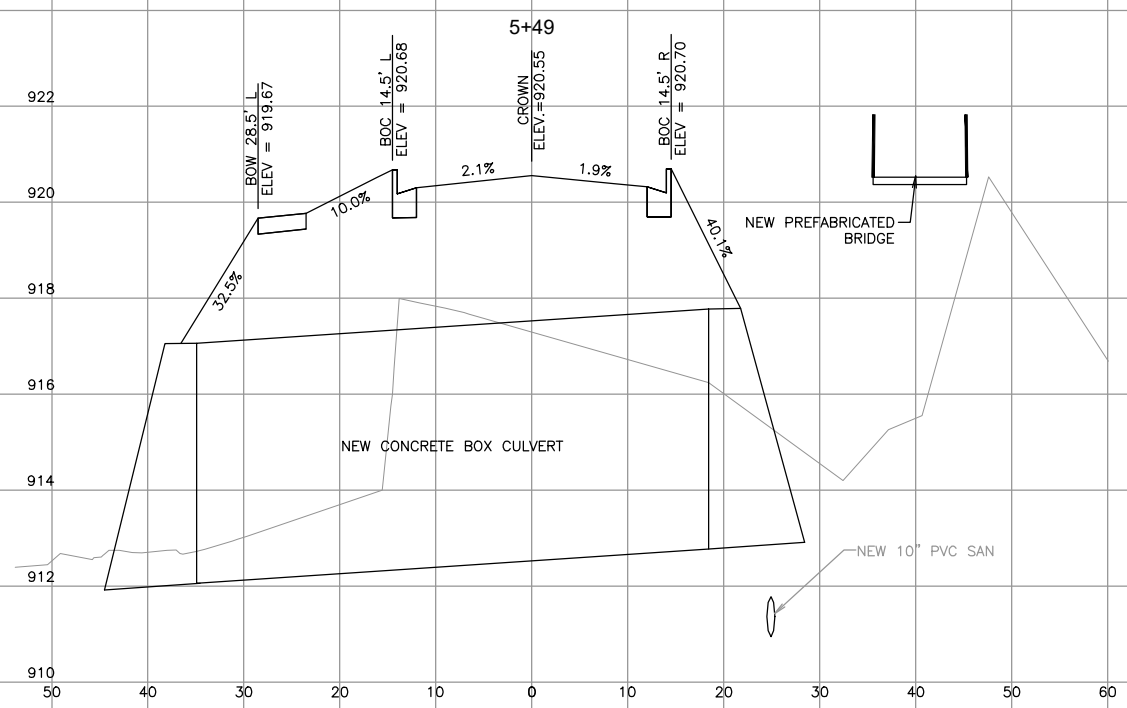
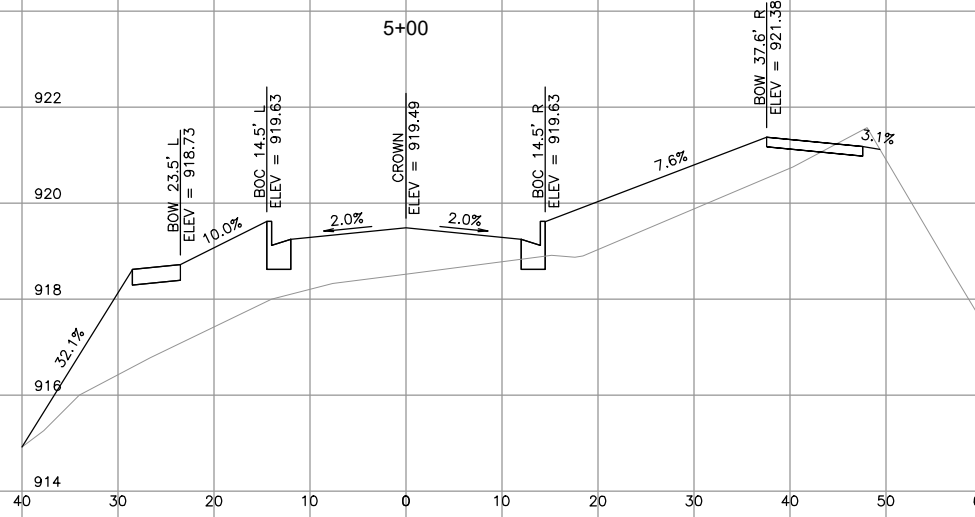
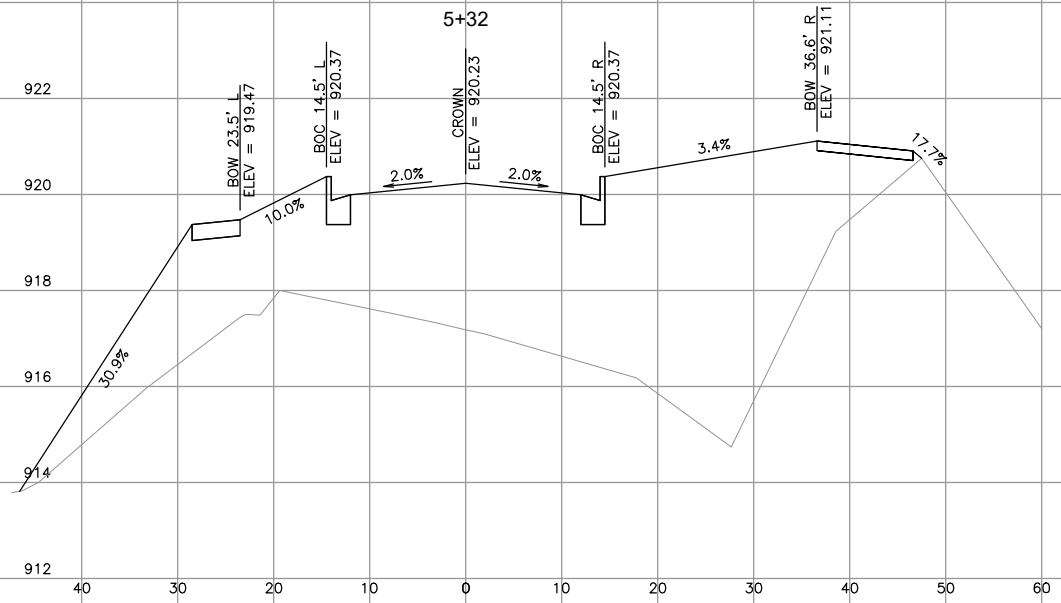
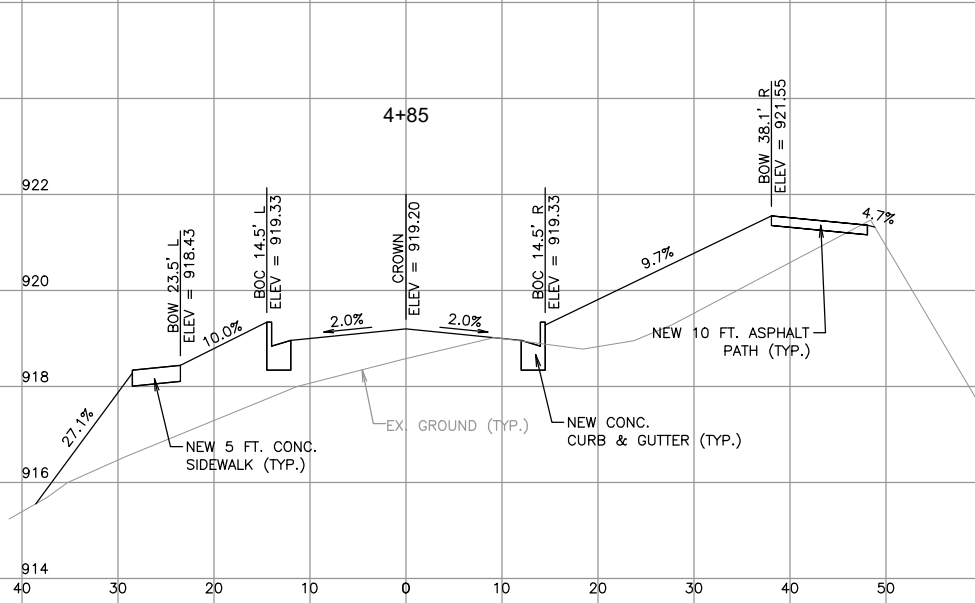
CIVIL ENGINEERING APPROVED AFG

PROJECT NO. 120-080

REVISIONS

14

EXISTING CONTOURS ARE DENOTED BY LIGHTER LINES.
 FINISHED CONTOURS ARE DENOTED BY DARKER LINES.
 DRIVE OVER CURB ELEVATIONS ARE LABELED AT FULL
 CURB HEIGHT.



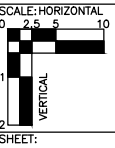
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CROSS SECTIONS
 PORTER ROAD
 Station 4+85 To Station 5+49

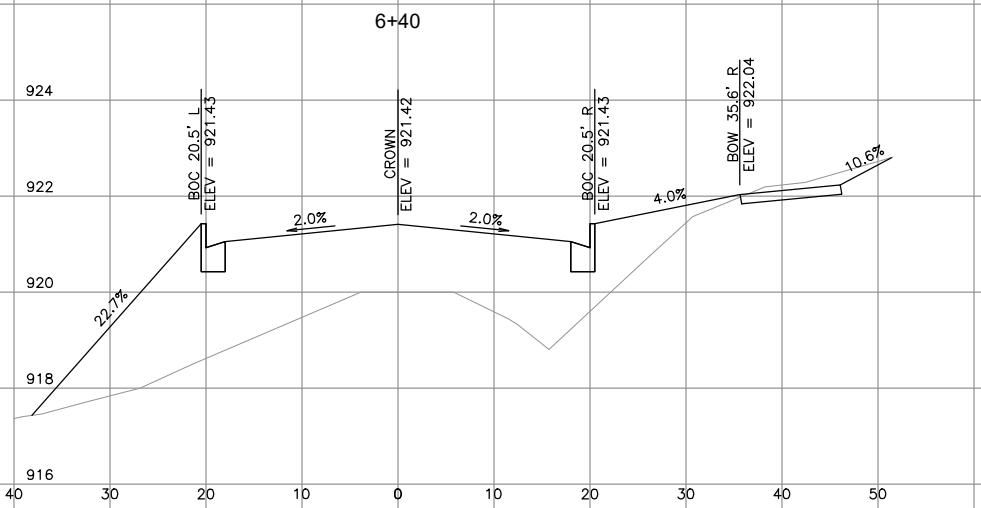
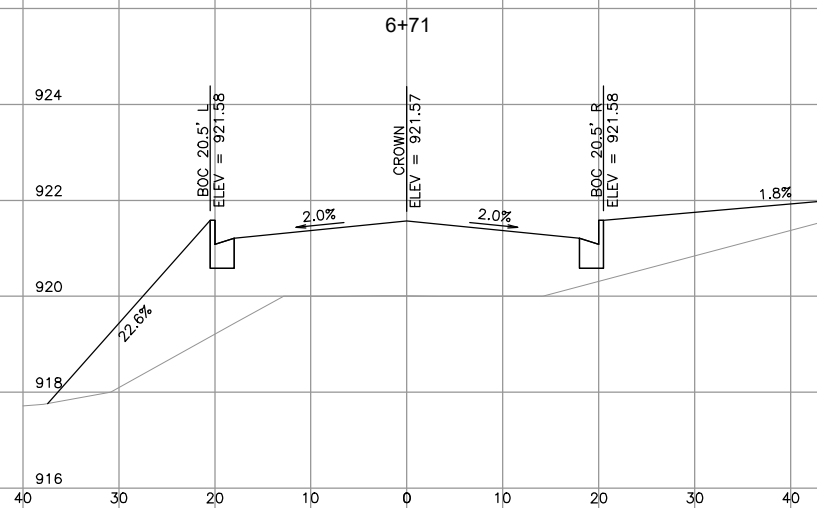
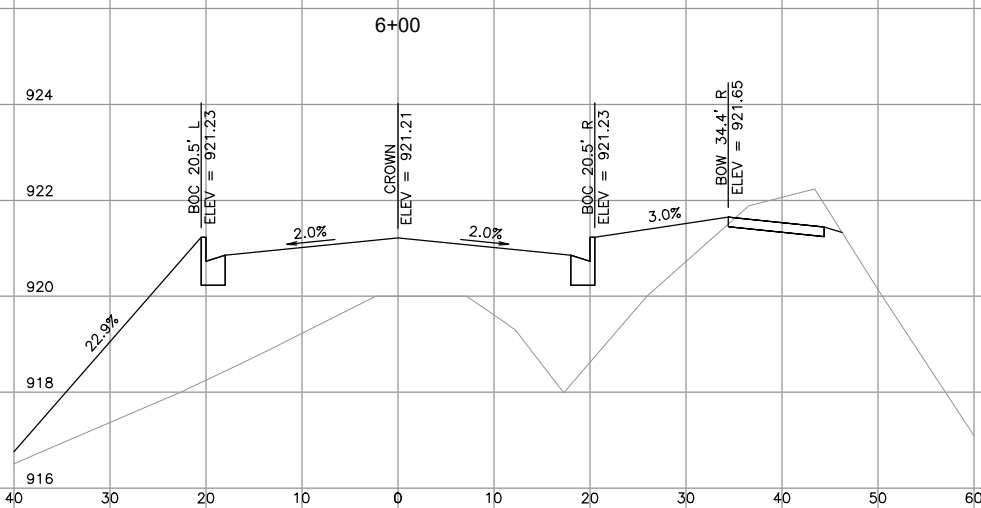
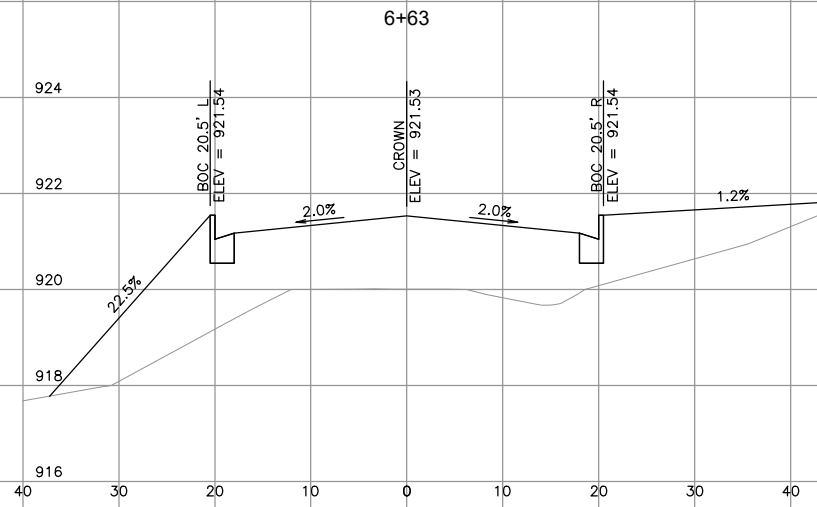
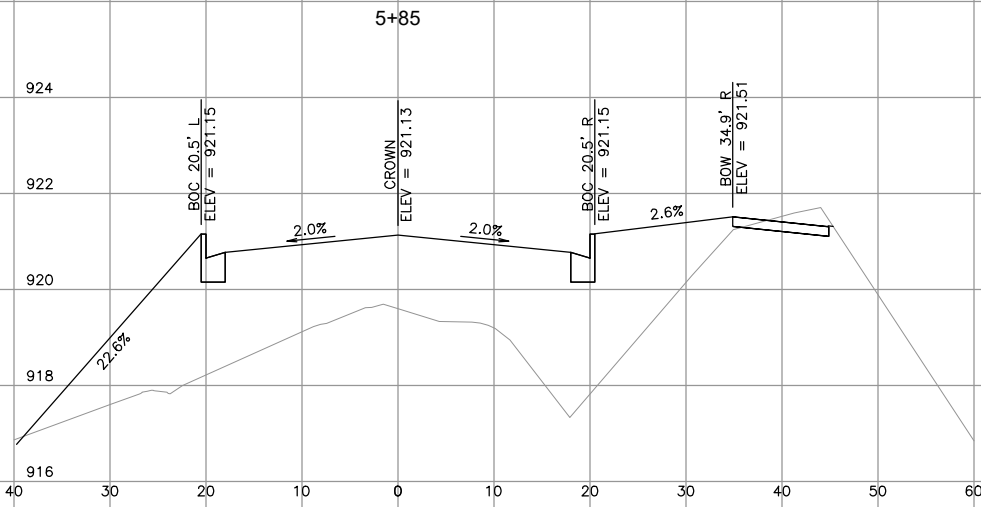
2025 PORTER ROAD UTILITY, STREET,
 AND PATH IMPROVEMENTS
 City of Evansville, Wisconsin

PROJECT NO.: EV 127
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 DRAWN BY: N.J.D.
 CHECKED BY: B.R.B.
 DATE: 2-14-25
 REVISIONS:

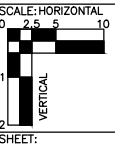


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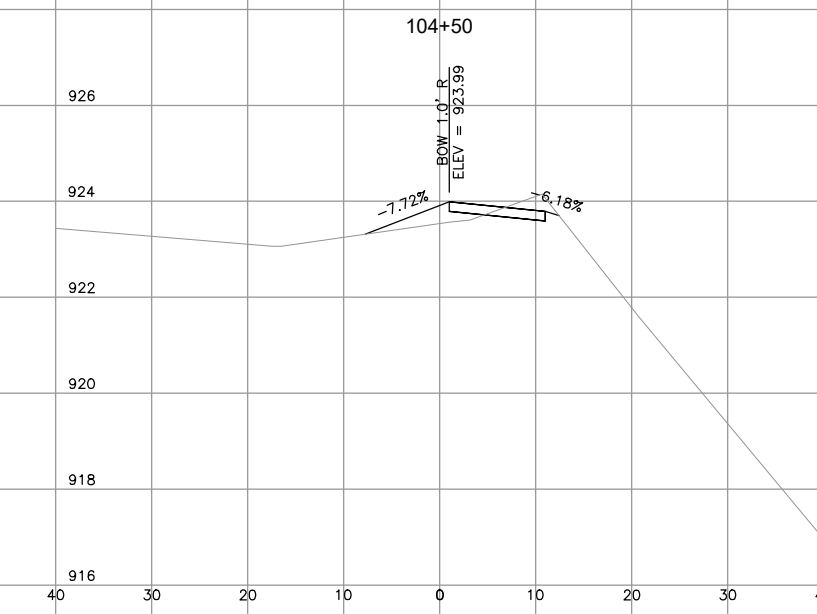
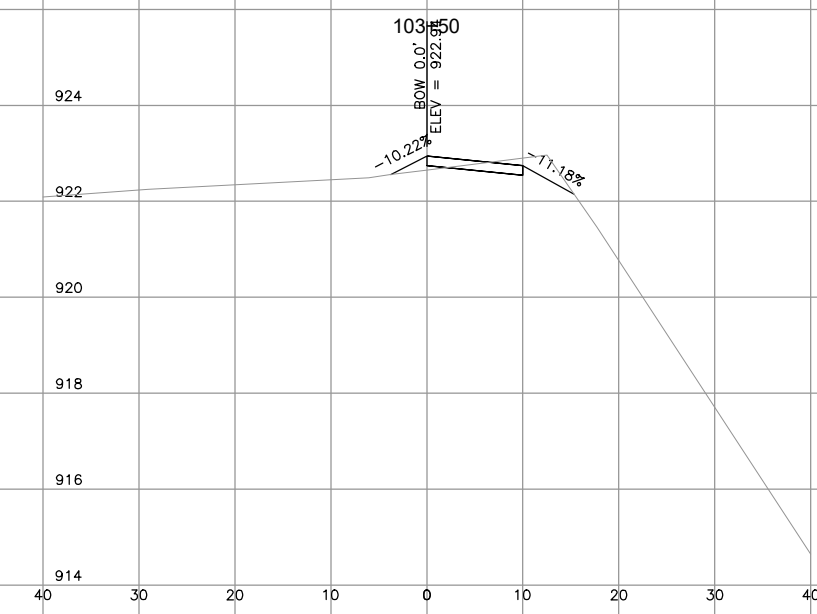
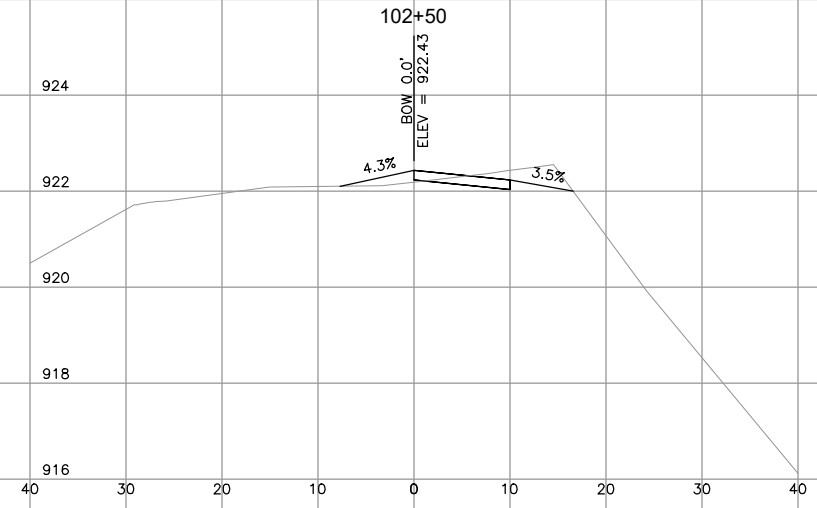
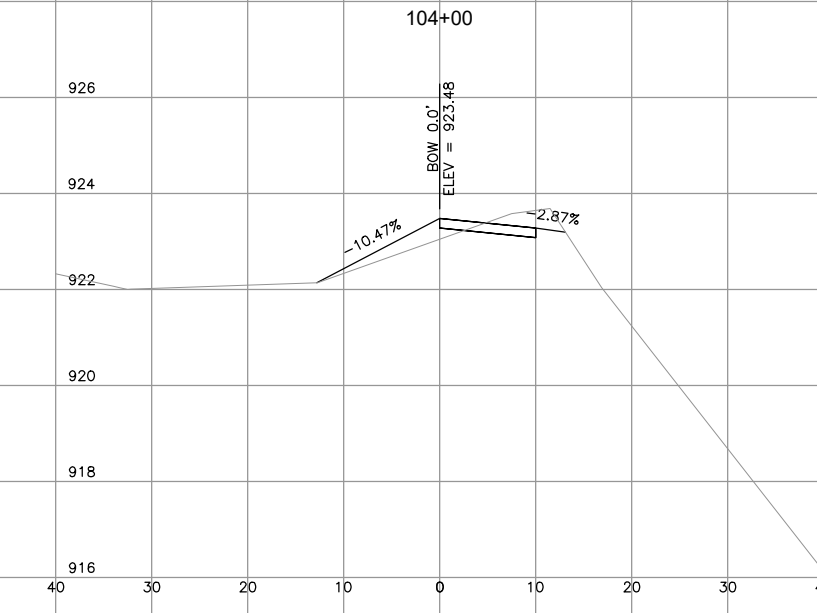
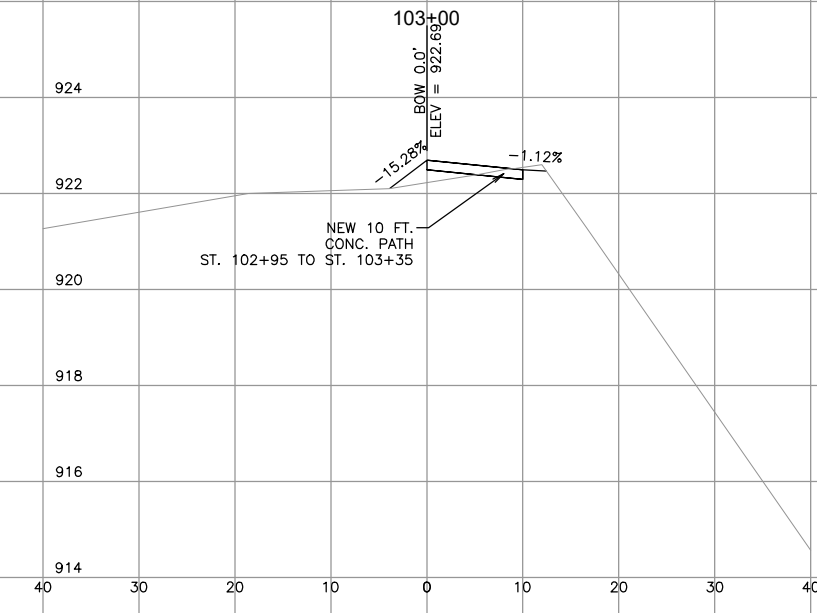
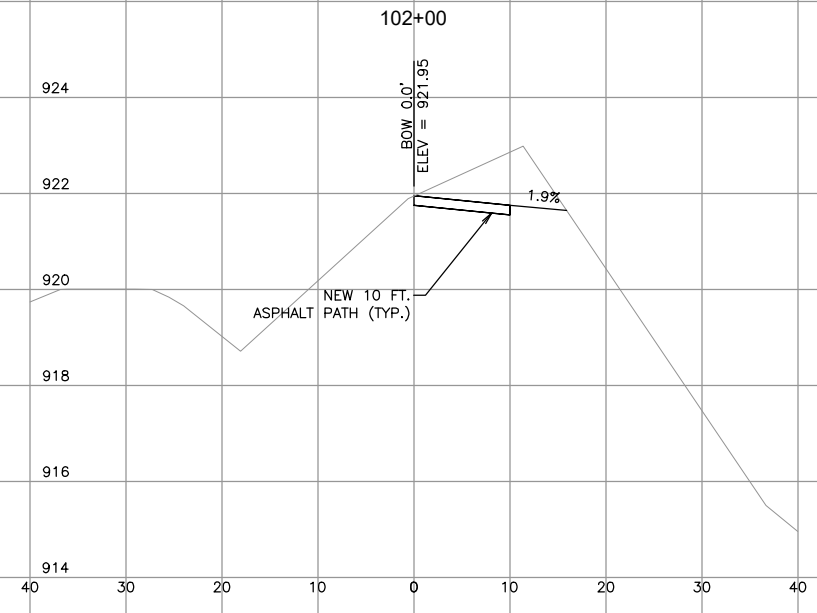
EXISTING CONTOURS ARE DENOTED BY LIGHTER LINES.
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 DRIVE OVER CURB ELEVATIONS ARE LABELED AT FULL
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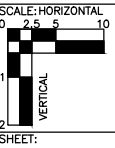


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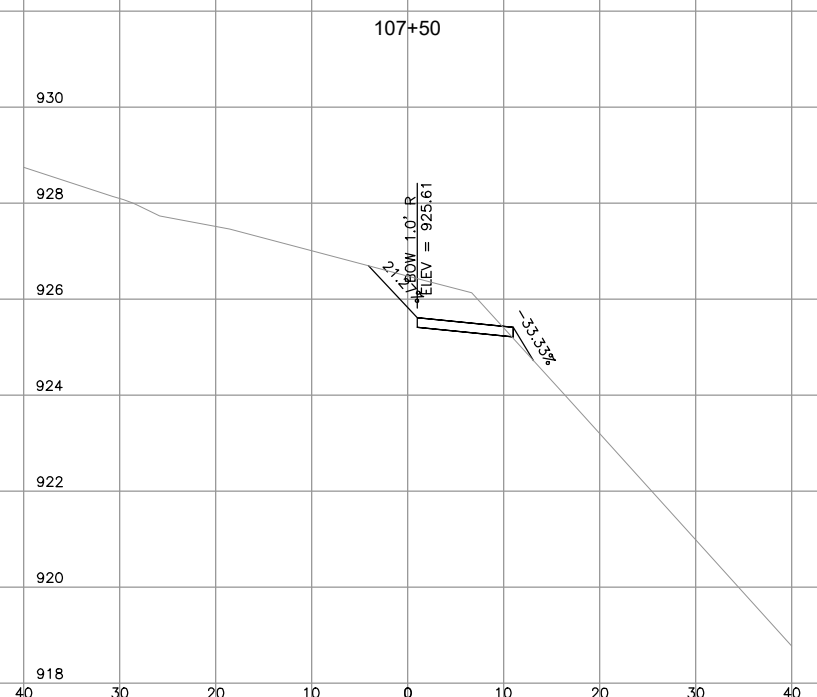
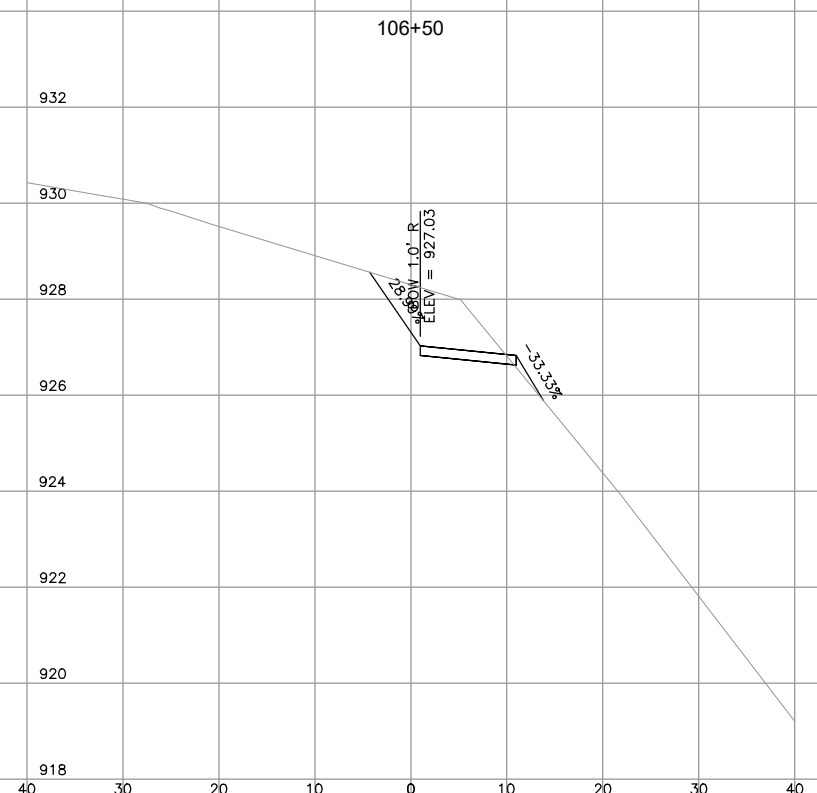
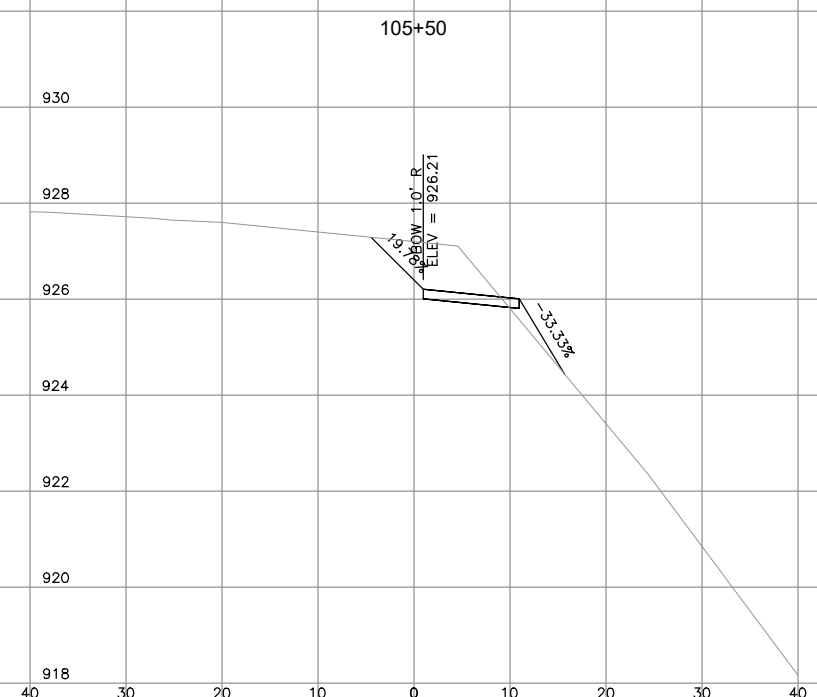
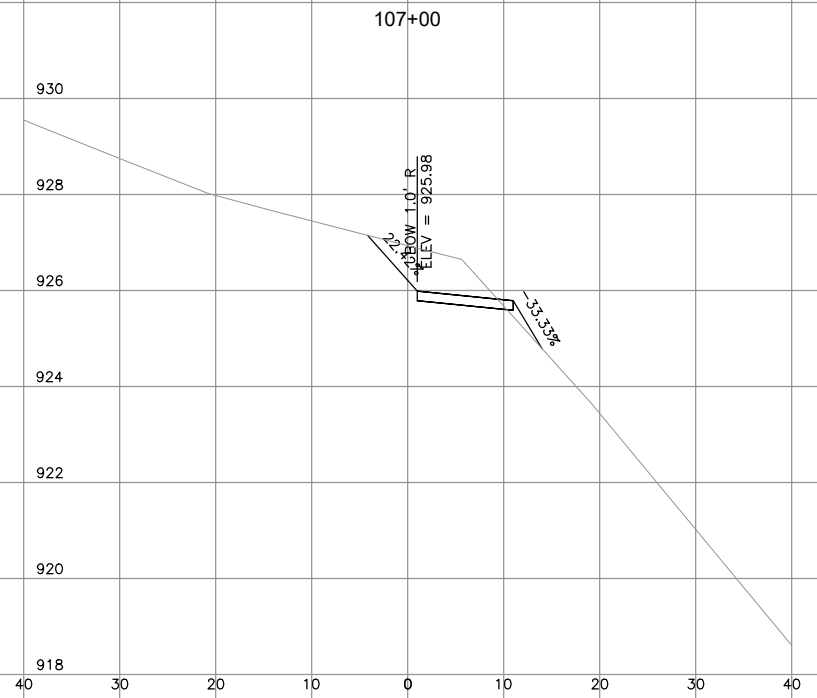
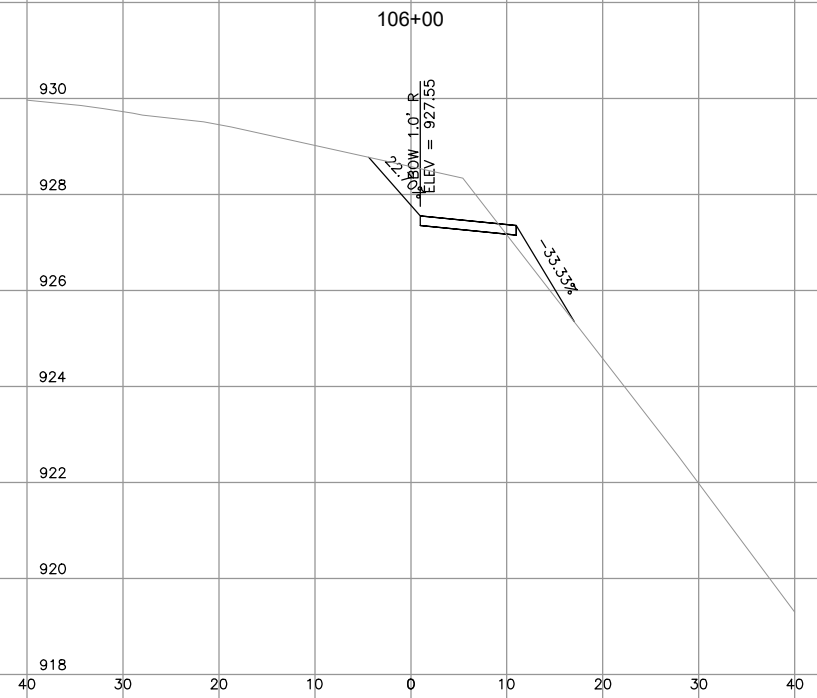
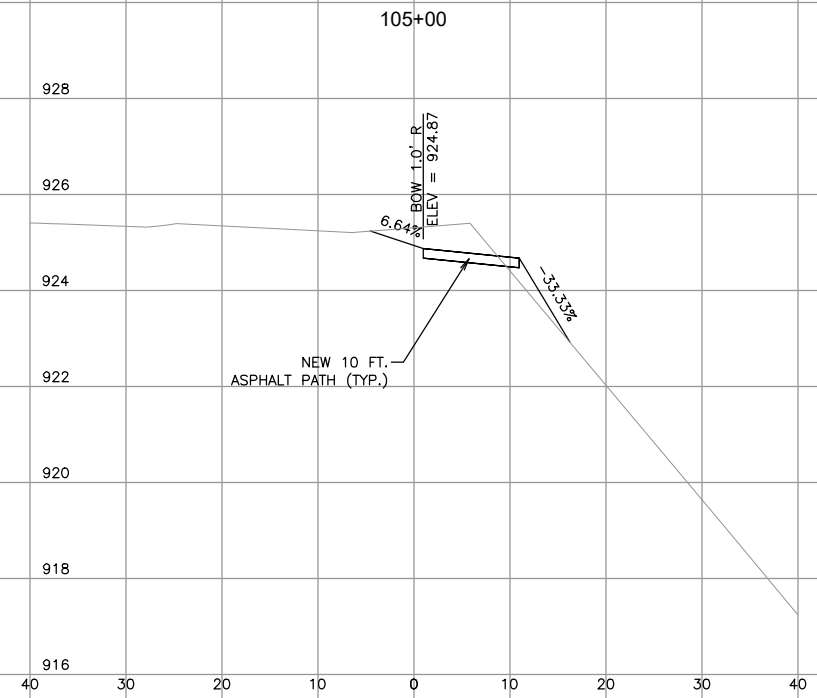


PROJECT NO.:
 EV 127
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 EV127_SHEETS.DWG
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CROSS SECTIONS
 PORTER ROAD PATH
 Station 105+00 To Station 107+50

2025 PORTER ROAD UTILITY, STREET,
 AND PATH IMPROVEMENTS
 City of Evansville, Wisconsin

PROJECT NO.:
 EV 127
 DRAWING FILE:
 EV127_SHEETS.DWG
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 N.J.D.
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DATE:
 2-14-25

REVISIONS:

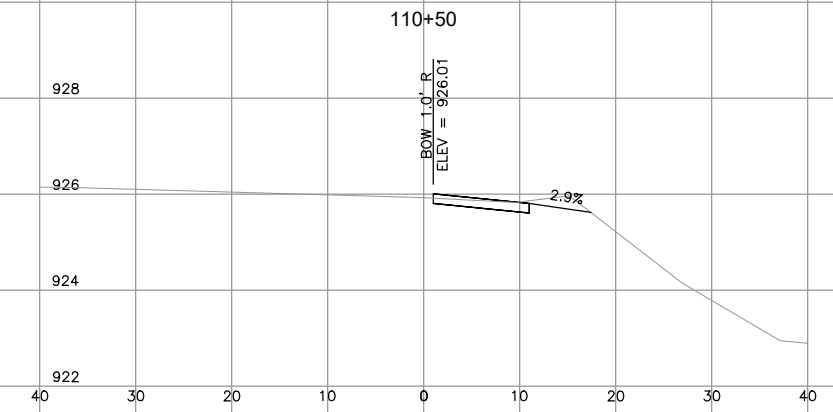
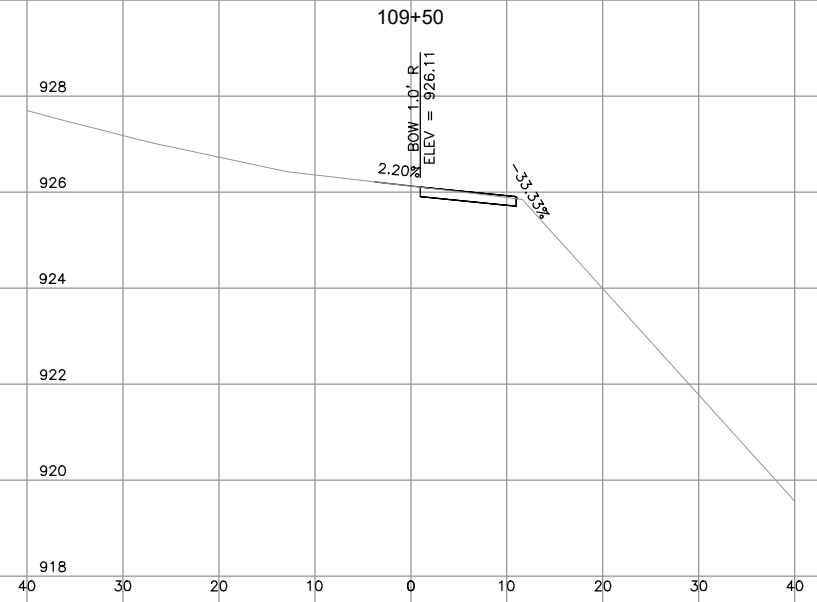
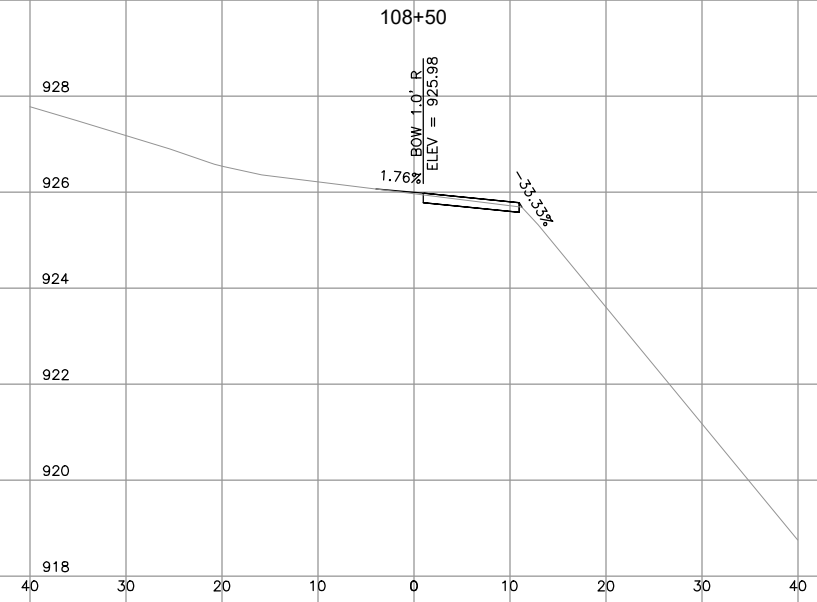
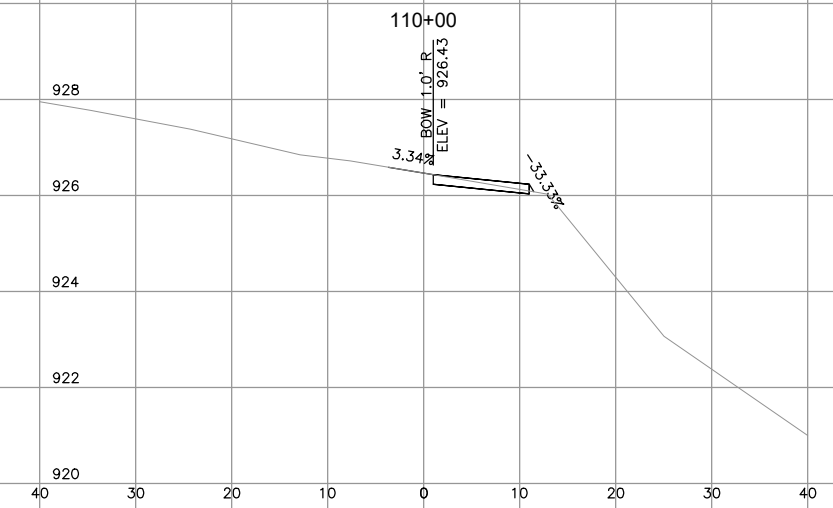
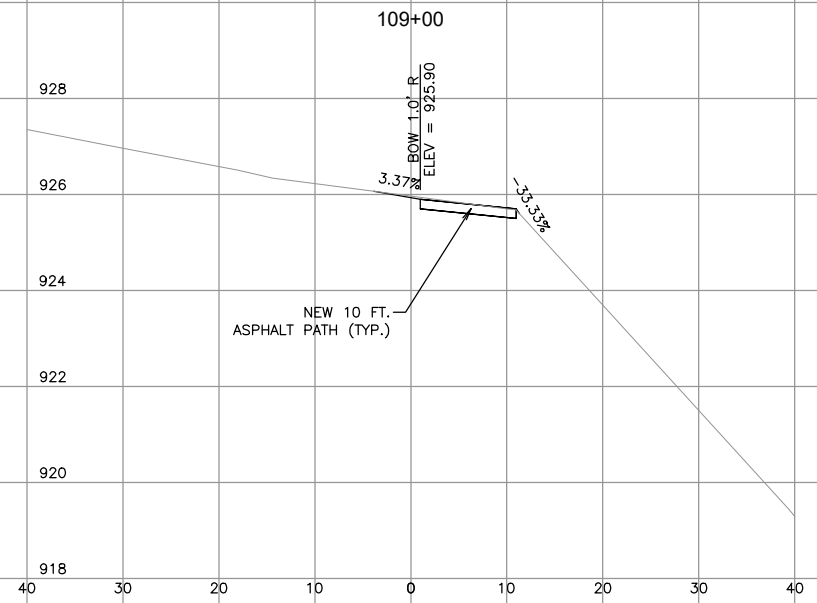
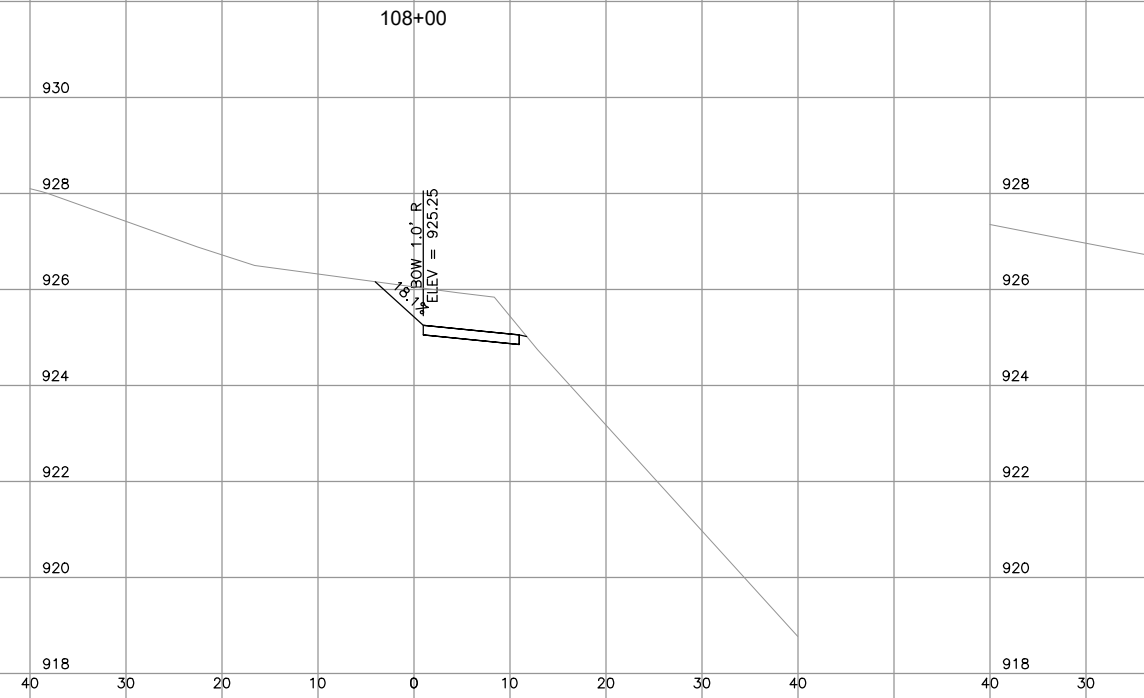
SCALE: HORIZONTAL
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SHEET:

X4

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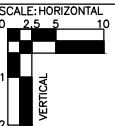


CROSS SECTIONS
 PORTER ROAD PATH
 Station 108+00 To Station 110+50

2025 PORTER ROAD UTILITY, STREET,
 AND PATH IMPROVEMENTS
 City of Evansville, Wisconsin

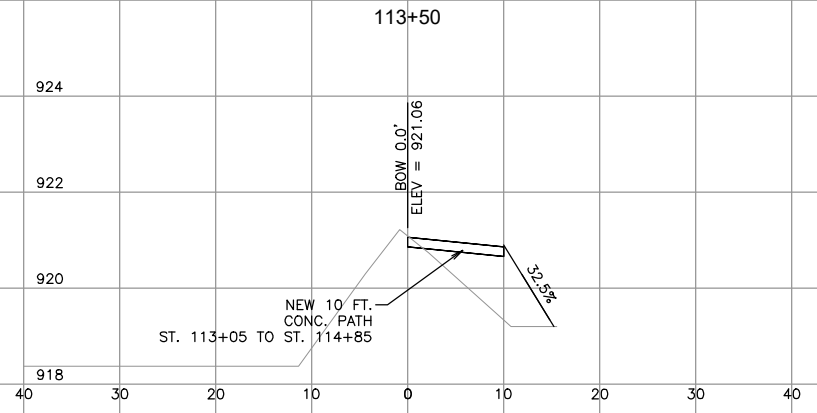
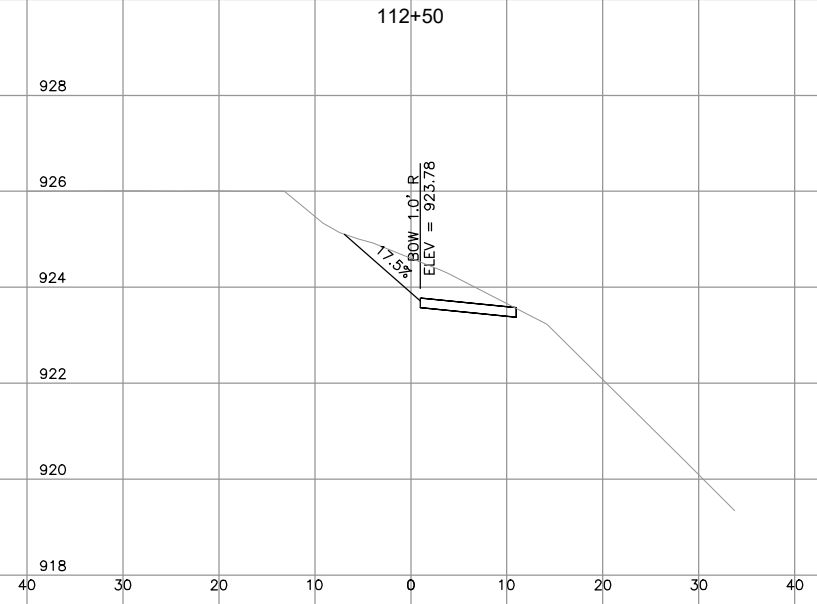
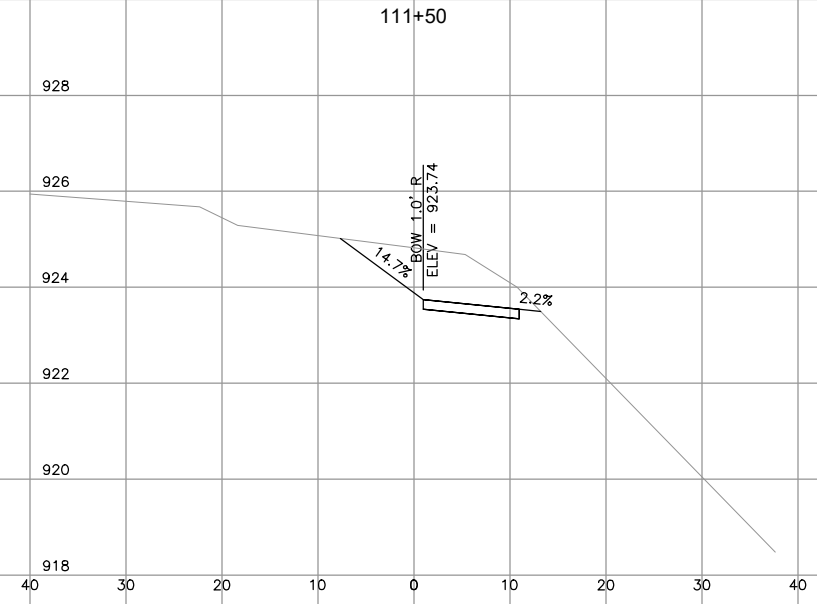
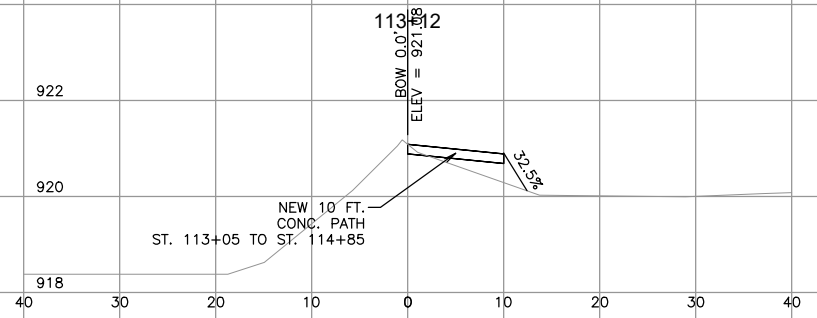
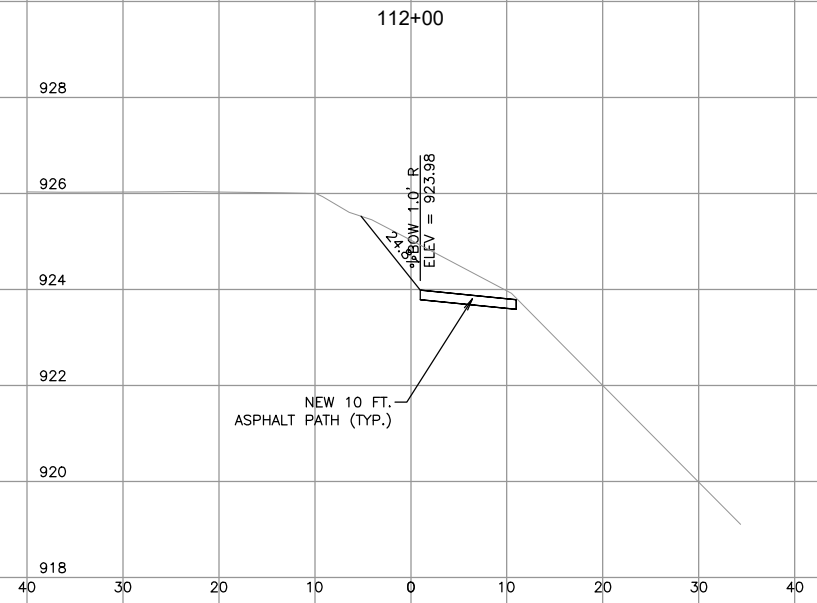
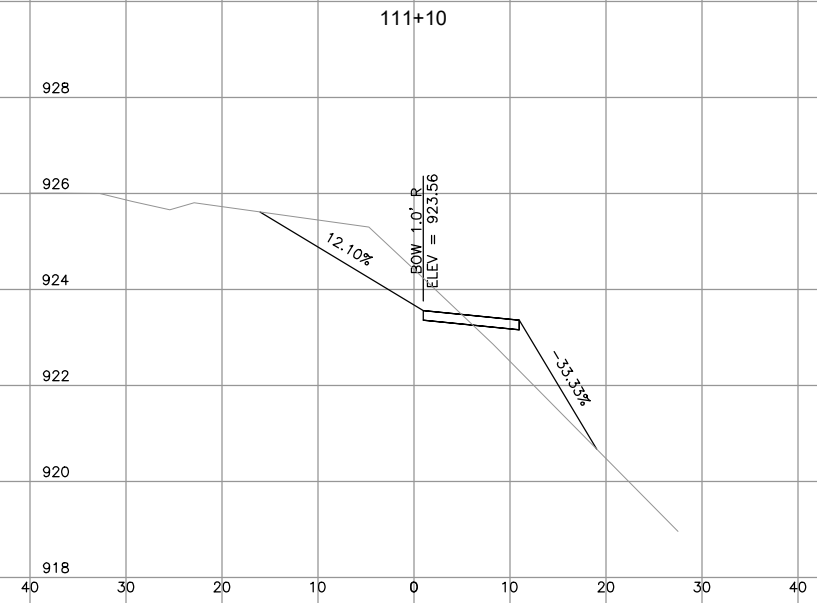
PROJECT NO.:
 EV 127
 DRAWING FILE:
 EV127_SHEETS.DWG
 DRAWN BY:
 N.J.D.
 CHECKED BY:
 B.R.B.

DATE:
 2-14-25
 REVISIONS:



SHEET:
 X5

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 CHECKED BY:
 B.R.B.

DATE:
 2-14-25

REVISIONS:

SCALE: HORIZONTAL
 0 2.5 5 10



SHEET:

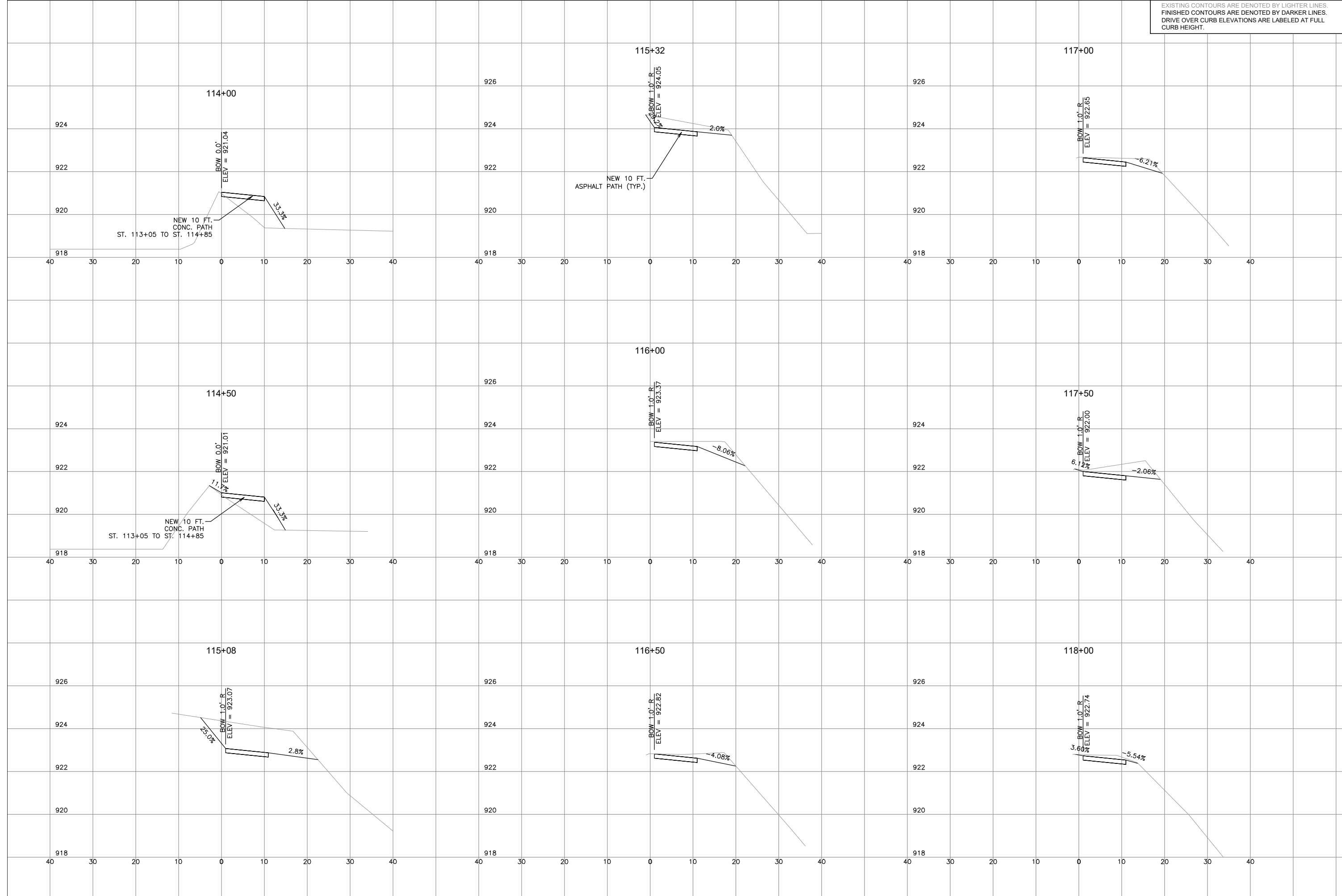
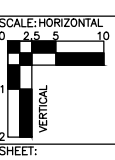
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 DRIVE OVER CURB ELEVATIONS ARE LABELED AT FULL
 CURB HEIGHT.



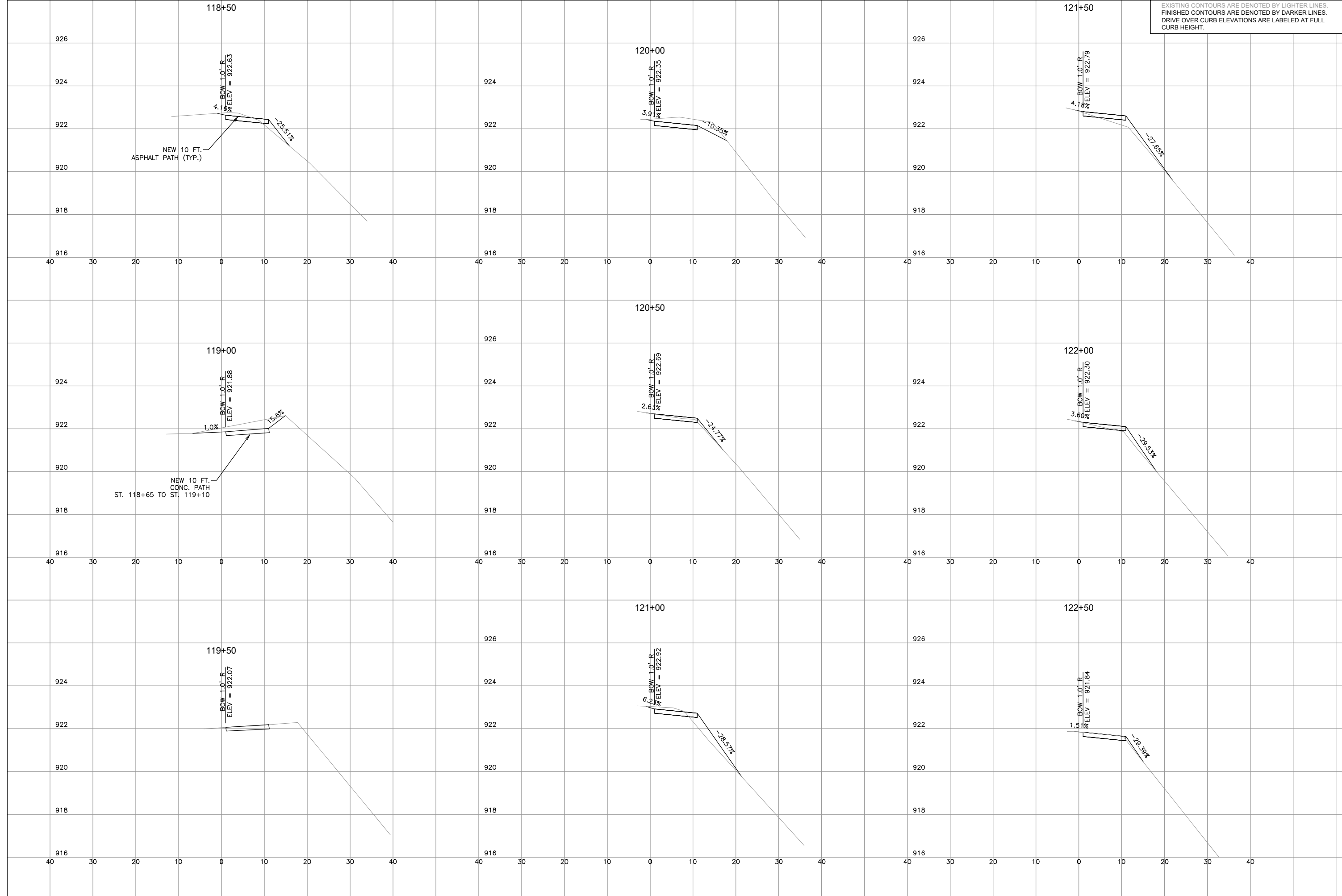
CROSS SECTIONS
 PORTER ROAD PATH
 Station 114+00 To Station 118+00

2025 PORTER ROAD UTILITY, STREET,
 AND PATH IMPROVEMENTS
 City of Evansville, Wisconsin

PROJECT NO.: EV 127
 DRAWING FILE: EV127 SHEETS.DWG
 DRAWN BY: N.J.D.
 CHECKED BY: B.R.B.
 DATE: 2-14-25
 REVISIONS:



EXISTING CONTOURS ARE DENOTED BY LIGHTER LINES.
FINISHED CONTOURS ARE DENOTED BY DARKER LINES.
DRIVE OVER CURB ELEVATIONS ARE LABELED AT FULL CURB HEIGHT.



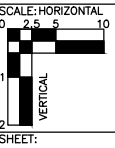
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Madison, WI 53719
(608) 273-3350
www.tceengineers.net



CROSS SECTIONS
PORTER ROAD PATH
Station 118+50 To Station 122+50

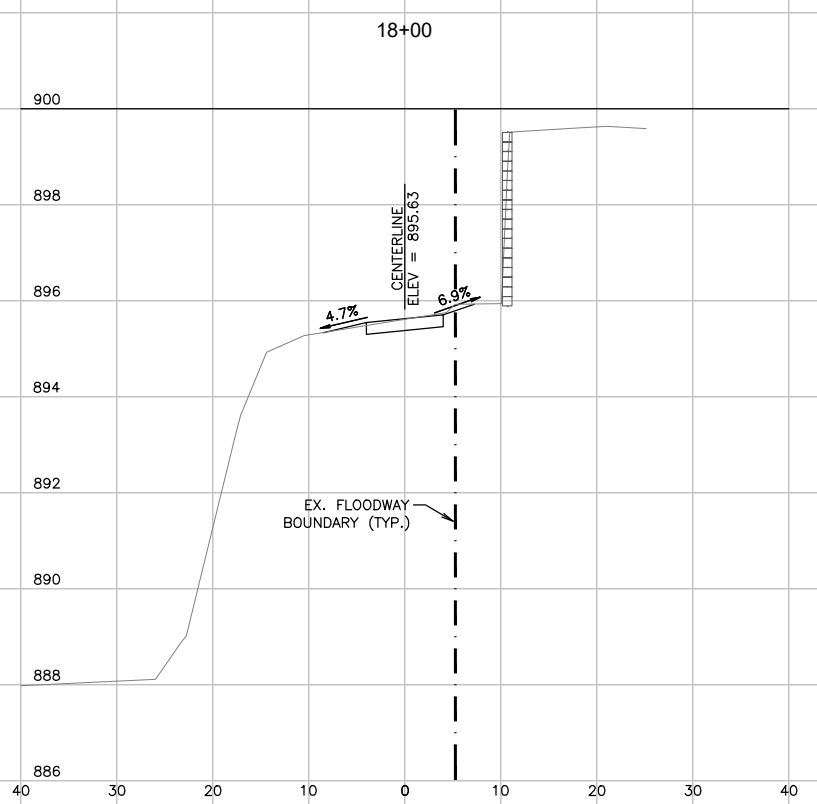
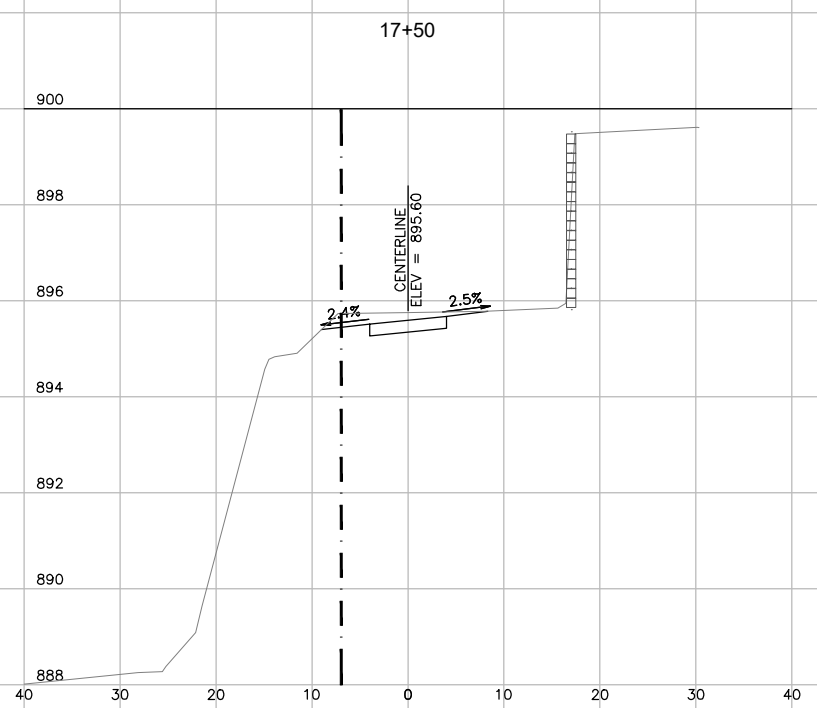
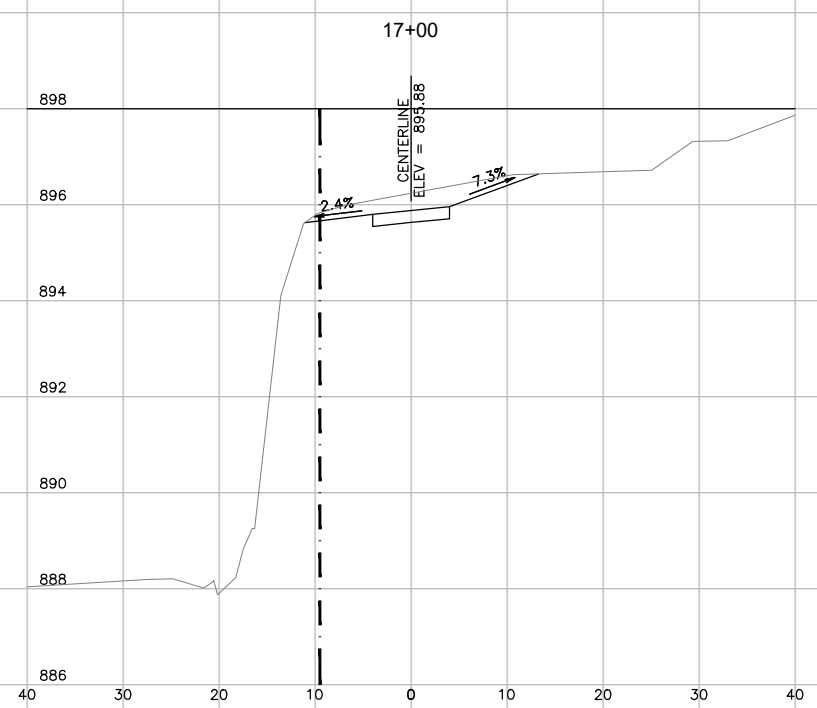
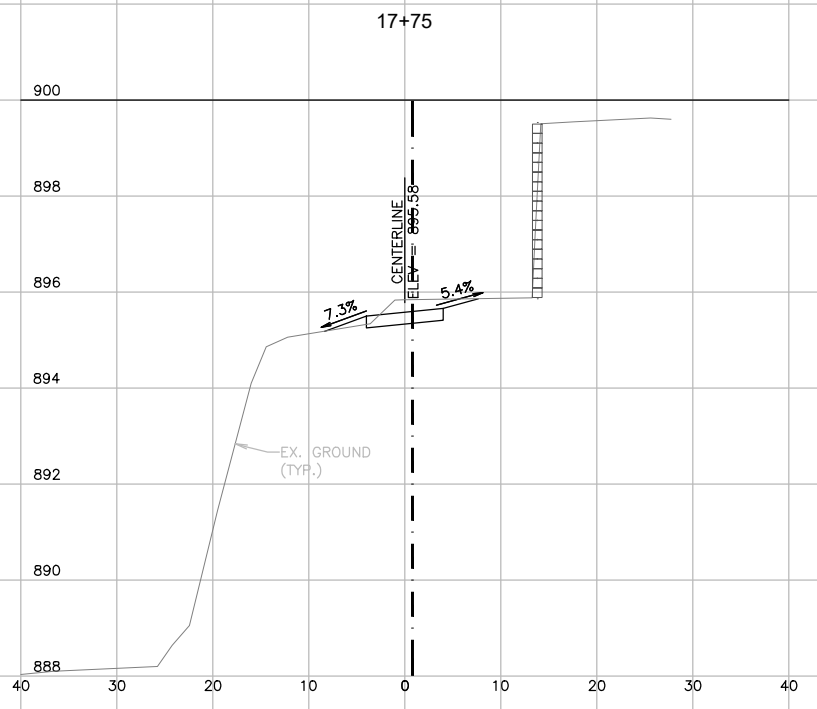
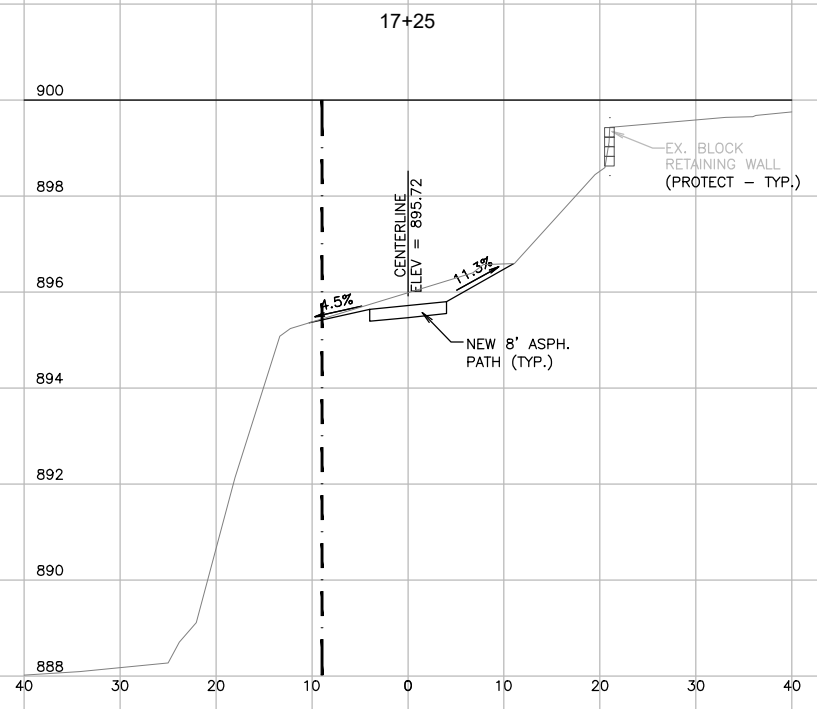
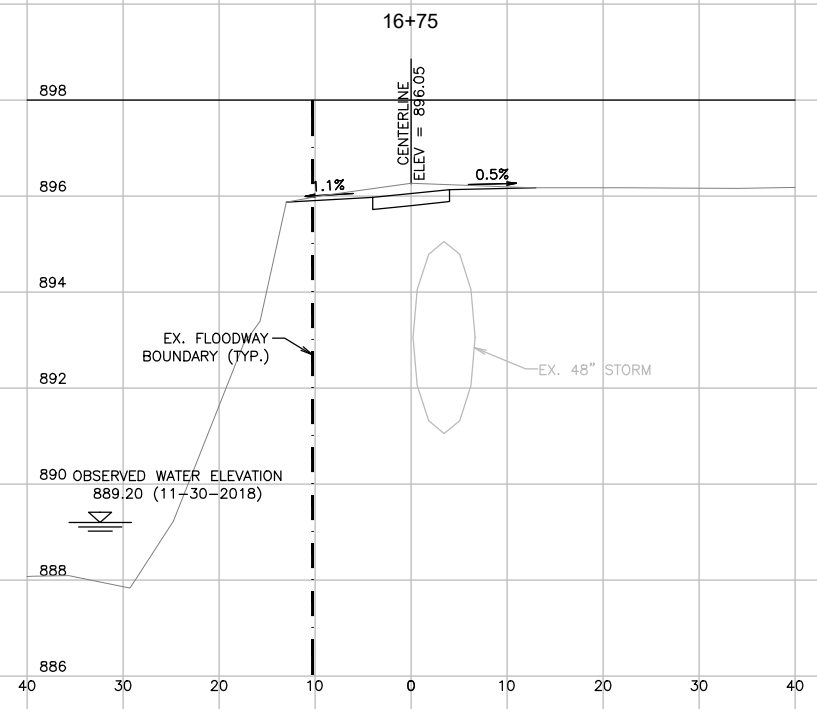
2025 PORTER ROAD UTILITY, STREET,
AND PATH IMPROVEMENTS
City of Evansville, Wisconsin

PROJECT NO.:
EV 127
DRAWING FILE:
EV127_SHEETS.DWG
DRAWN BY:
N.J.D.
CHECKED BY:
B.R.B.
DATE:
2-14-25
REVISIONS:



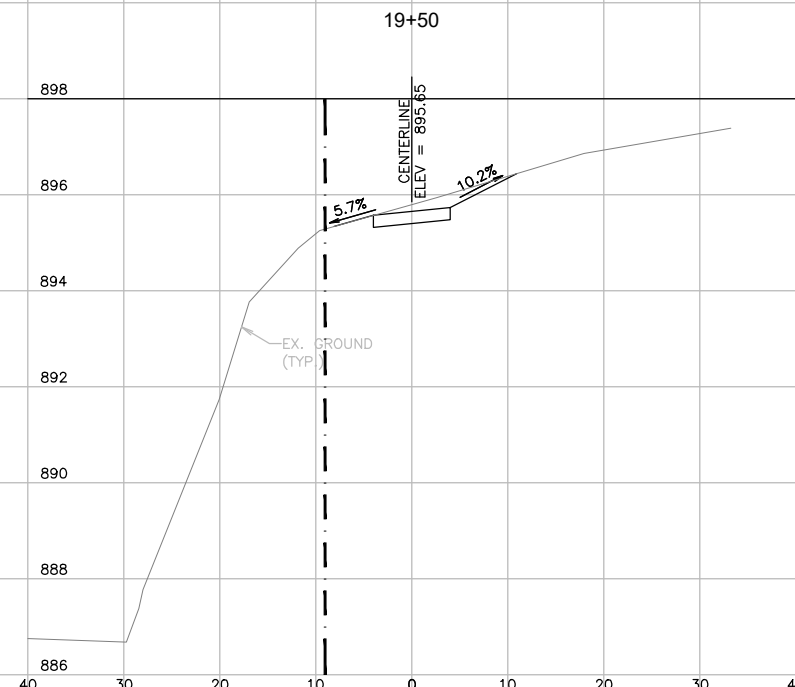
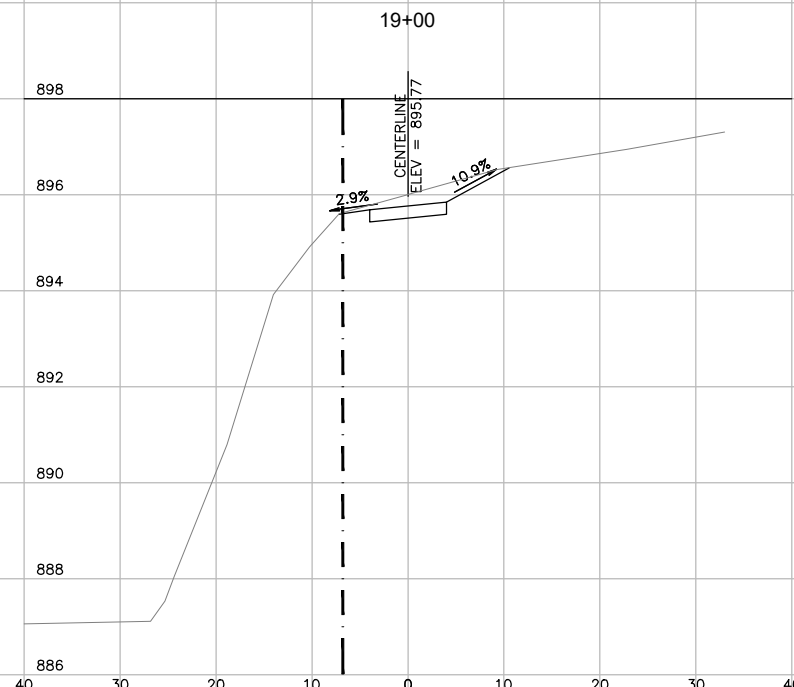
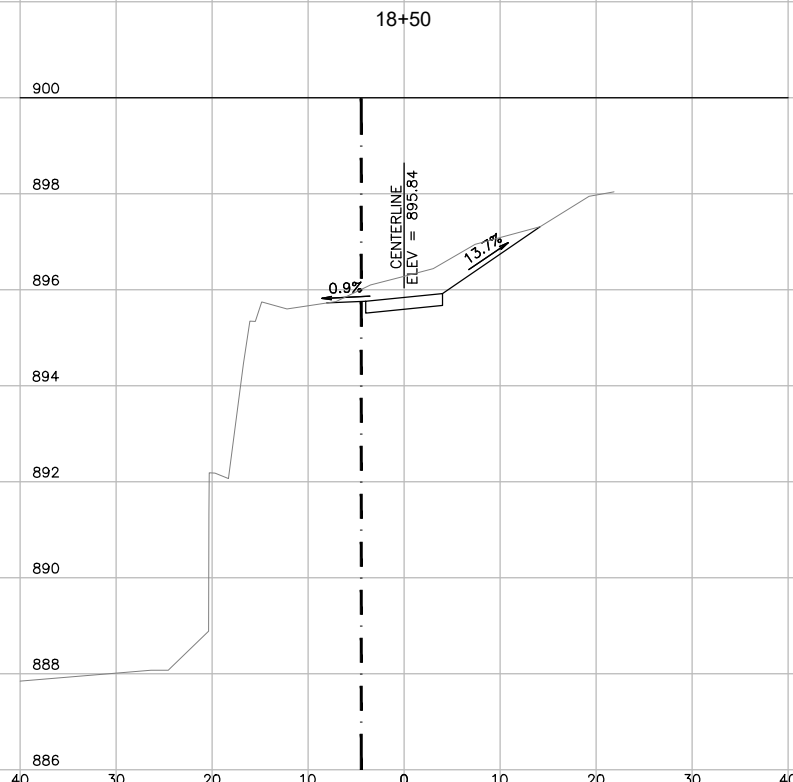
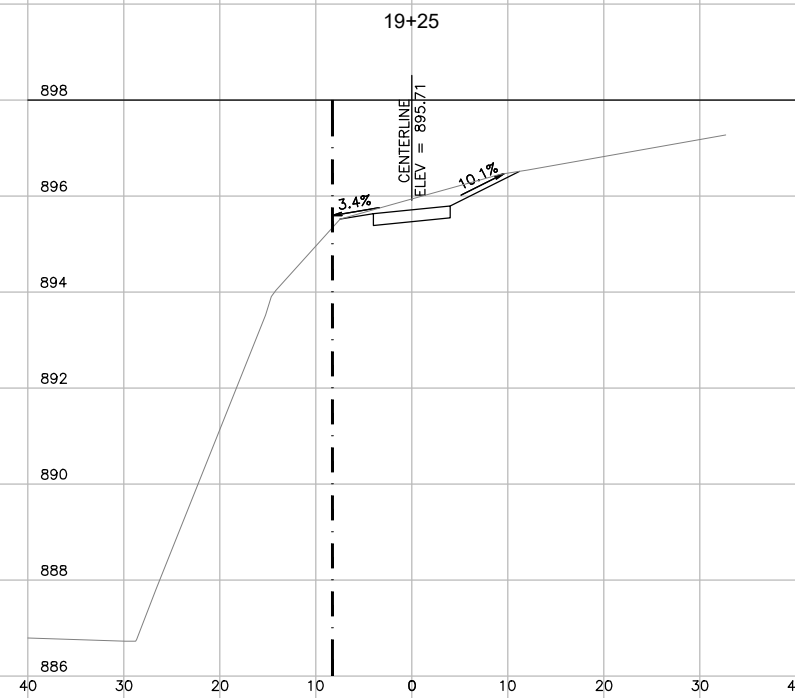
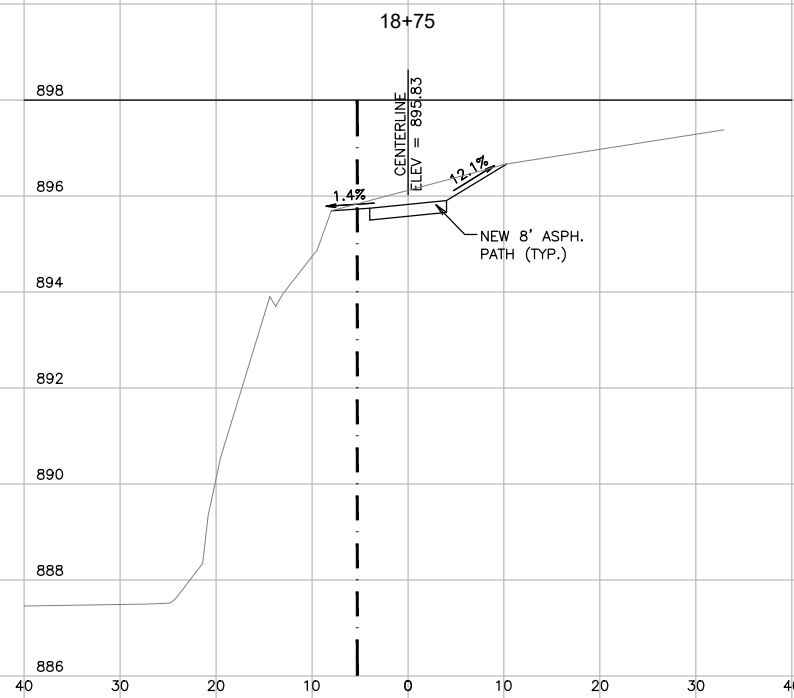
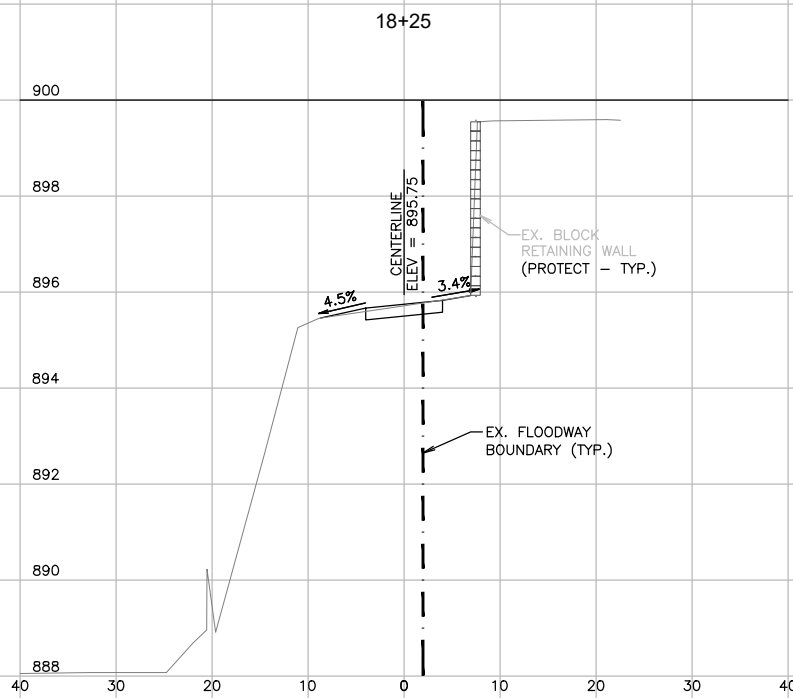
SHEET:
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EXISTING CONTOURS ARE DENOTED BY LIGHTER LINES.
 FINISHED CONTOURS ARE DENOTED BY DARKER LINES.
 DRIVE OVER CURB ELEVATIONS ARE LABELED AT FULL
 CURB HEIGHT.



PROJECT NO.:	EV 127
DRAWING FILE:	EV 69 SHEETS.DWG
DRAWN BY:	N.J.D.
CHECKED BY:	B.R.B.
DATE:	2-14-25
REVISIONS:	
SCALE: HORIZONTAL	1" = 20'
SCALE: VERTICAL	1" = 5'
SHEET:	X9

EXISTING CONTOURS ARE DENOTED BY LIGHTER LINES.
 FINISHED CONTOURS ARE DENOTED BY DARKER LINES.
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 CURB HEIGHT.



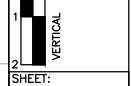
CROSS SECTIONS
 ALLEN CREEK PATH
 Station 18+25 To Station 19+50

2025 PORTER ROAD UTILITY, STREET,
 AND PATH IMPROVEMENTS
 City of Evansville, Wisconsin

PROJECT NO.: EV 127
 DRAWING FILE: EV 69 SHEETS.DWG
 DRAWN BY: N.J.D.
 CHECKED BY: B.R.B.

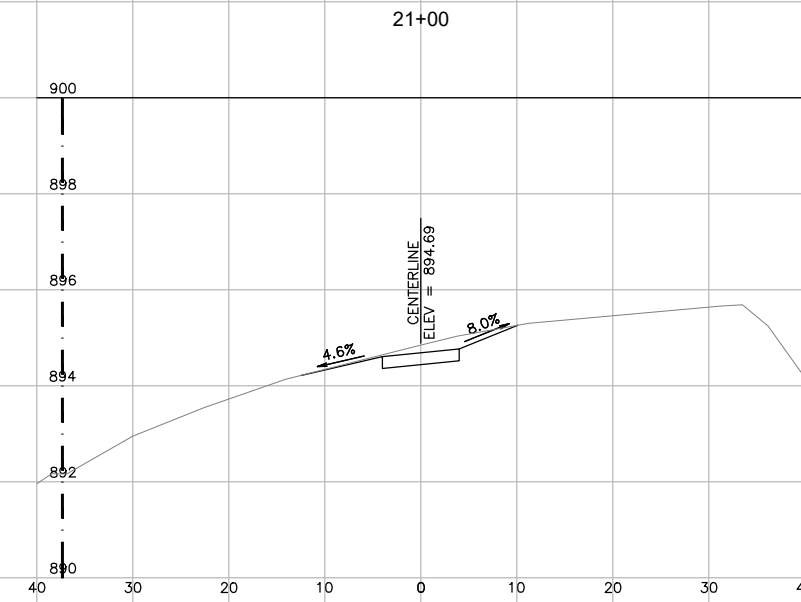
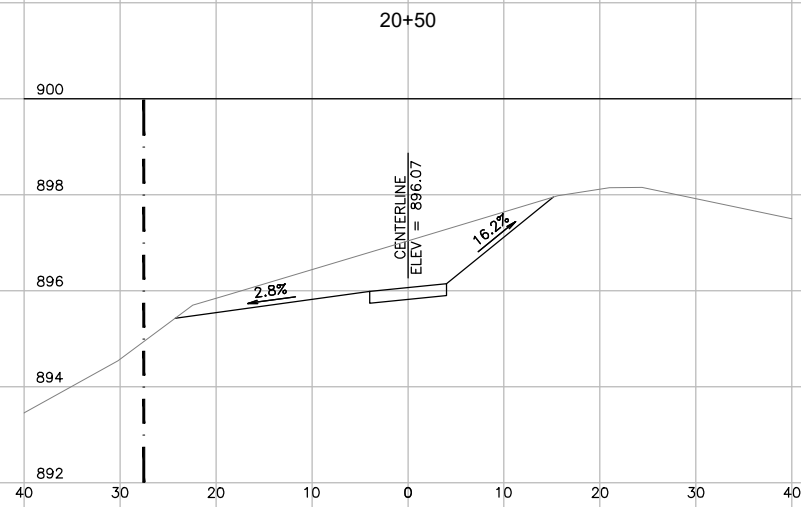
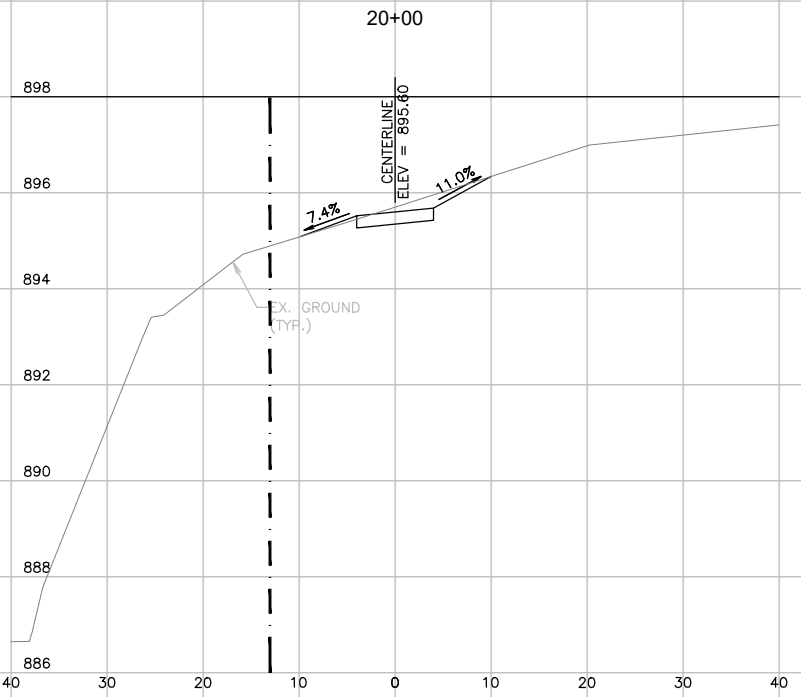
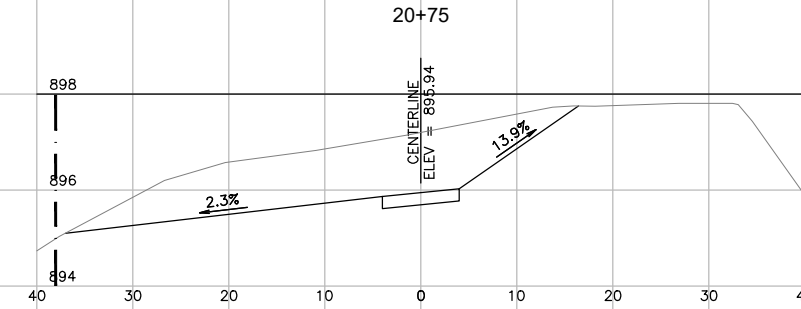
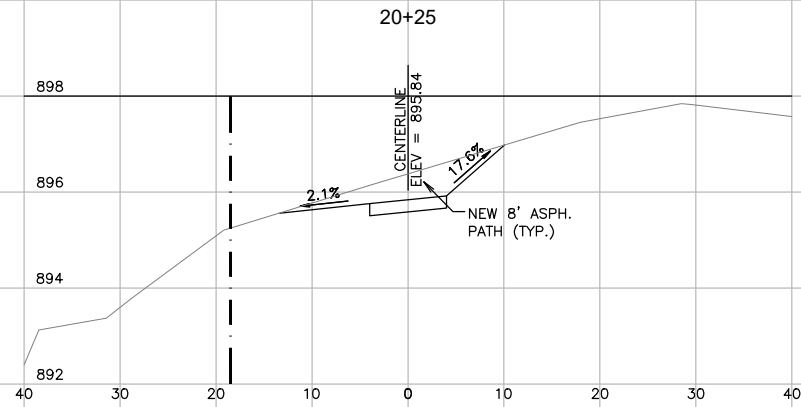
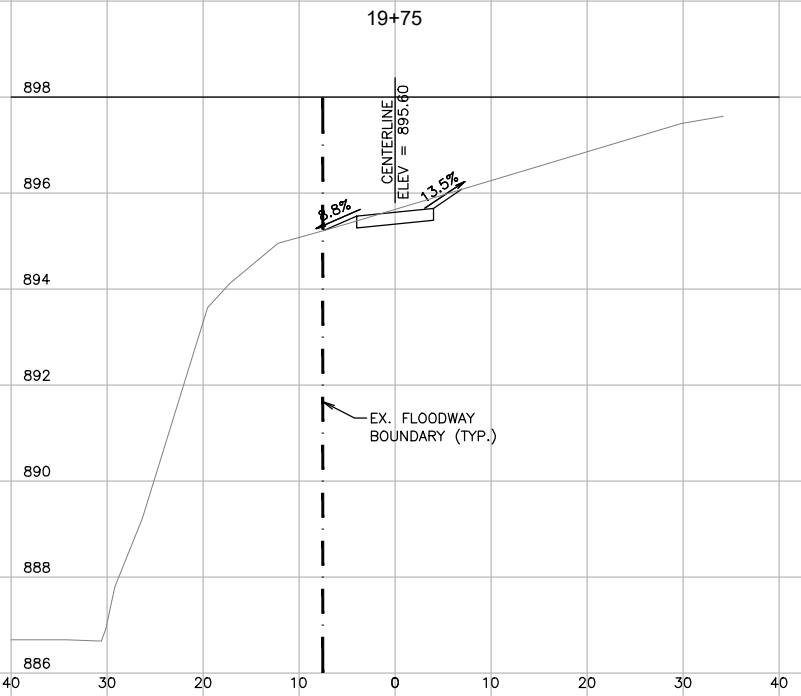
DATE: 2-14-25
 REVISIONS:

SCALE: HORIZONTAL 0 2.5 5 10
 VERTICAL 1 2



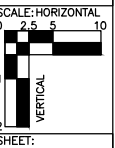
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 CURB HEIGHT.

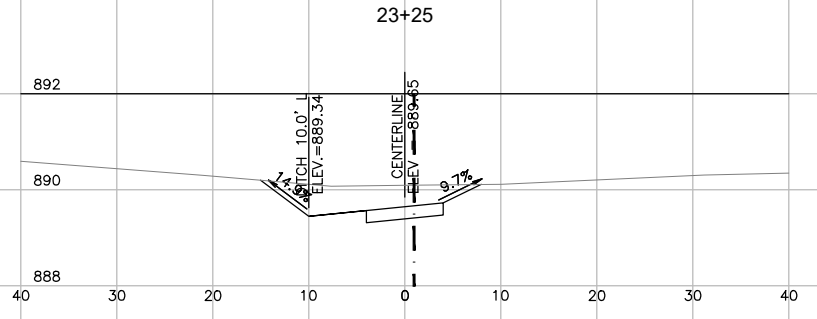
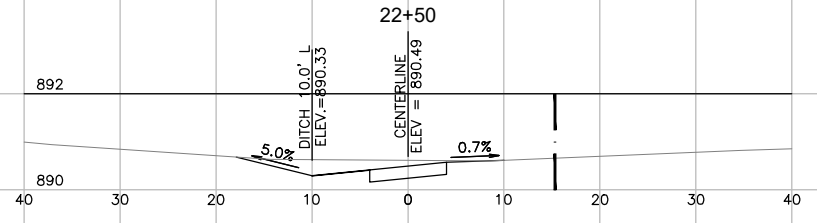
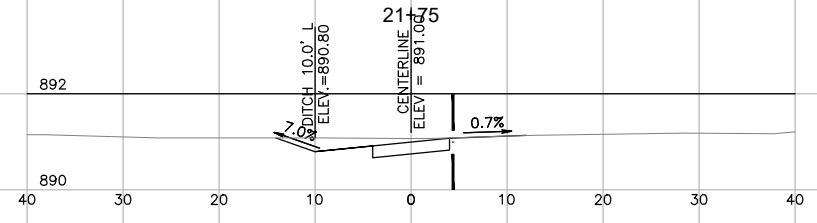
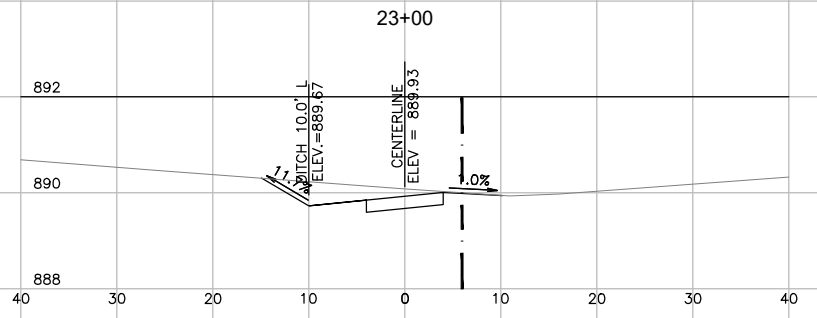
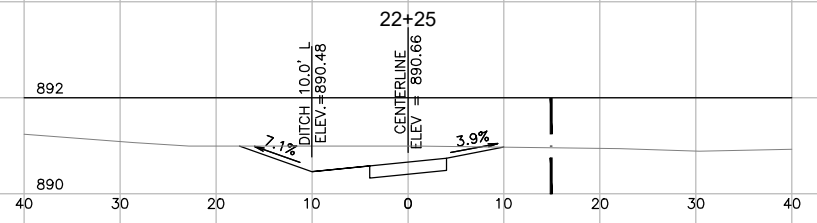
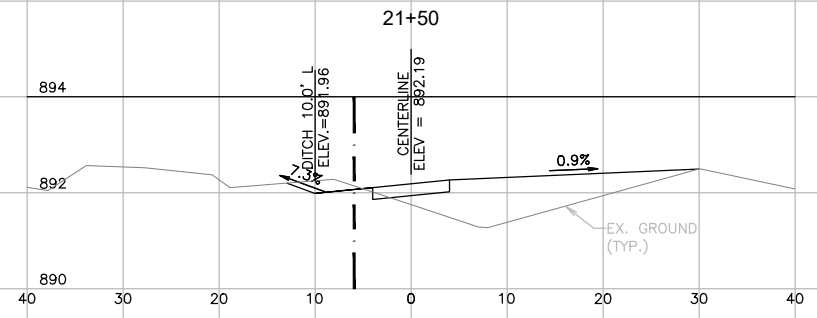
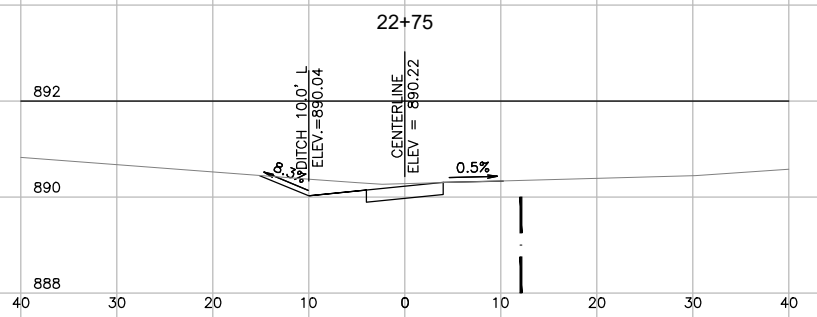
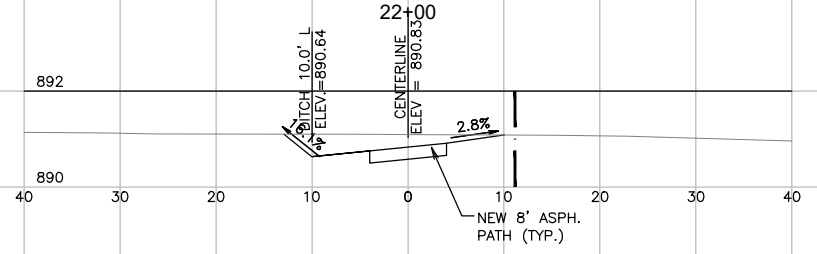
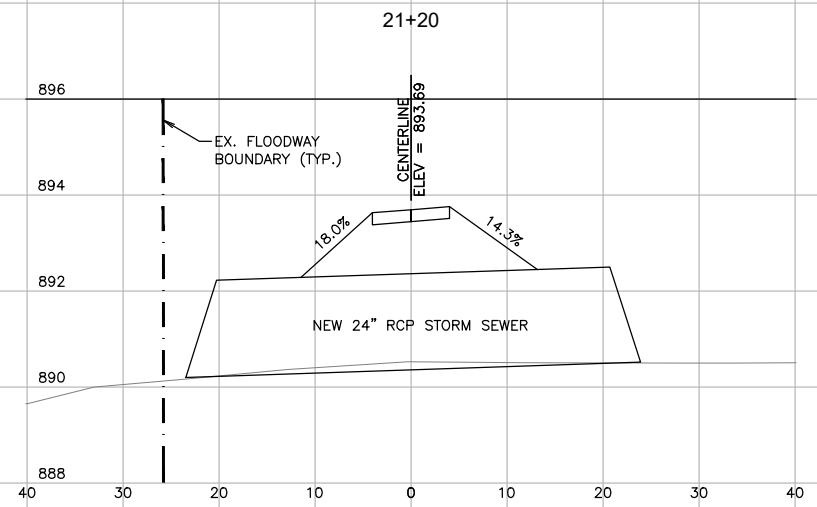


PROJECT NO.:
 EV 127
 DRAWING FILE:
 EV 69 SHEETS.DWG
 DRAWN BY:
 N.J.D.
 CHECKED BY:
 B.R.B.

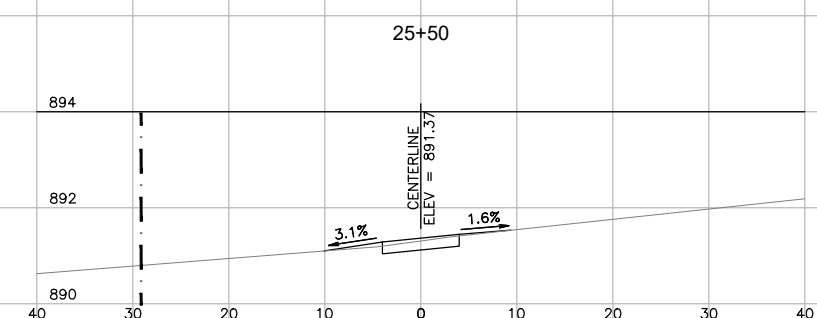
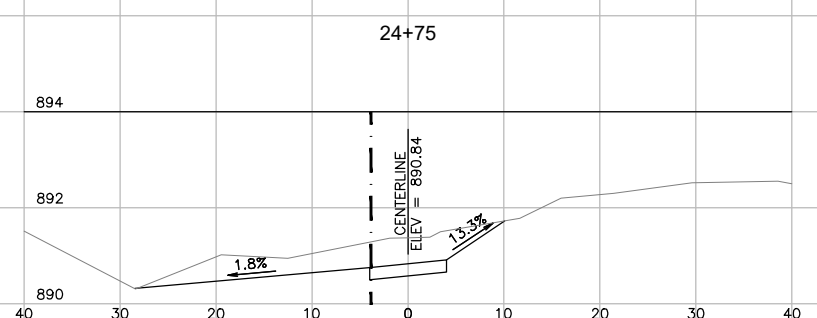
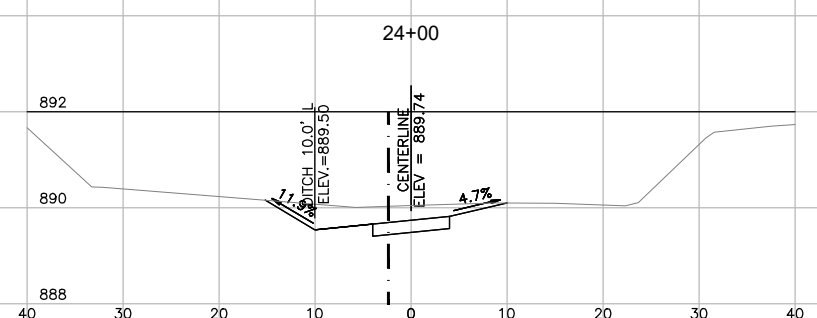
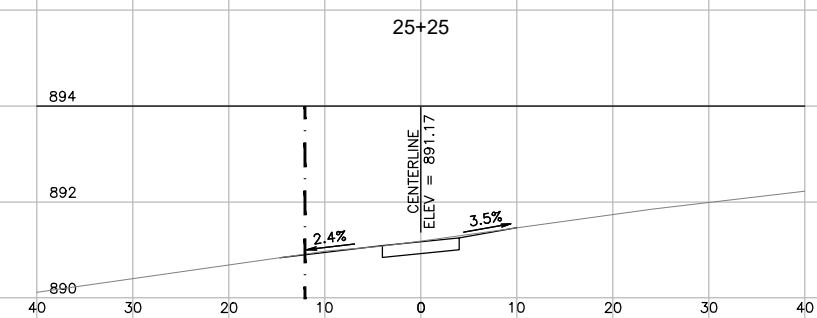
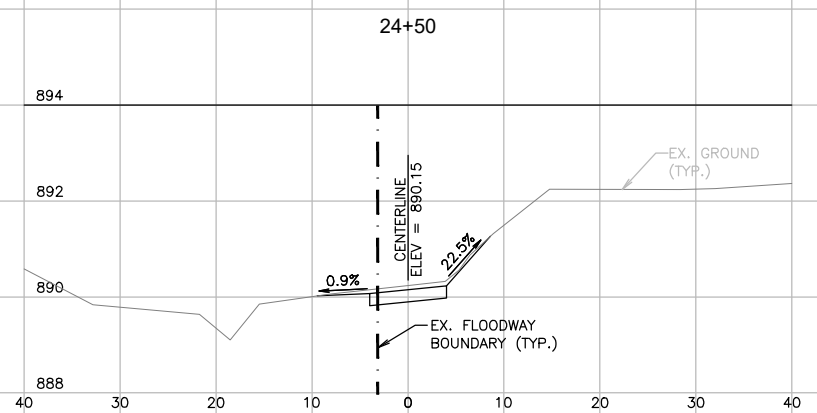
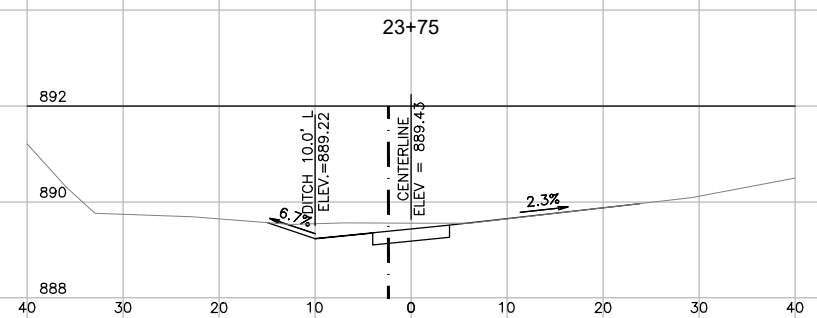
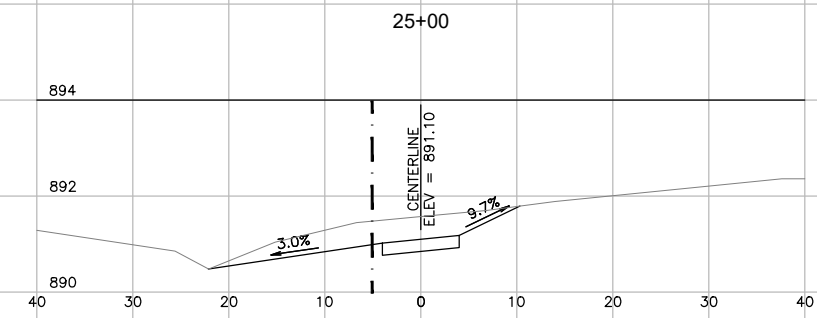
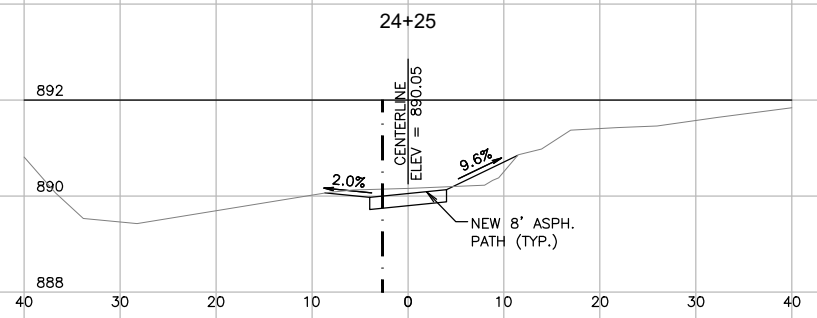
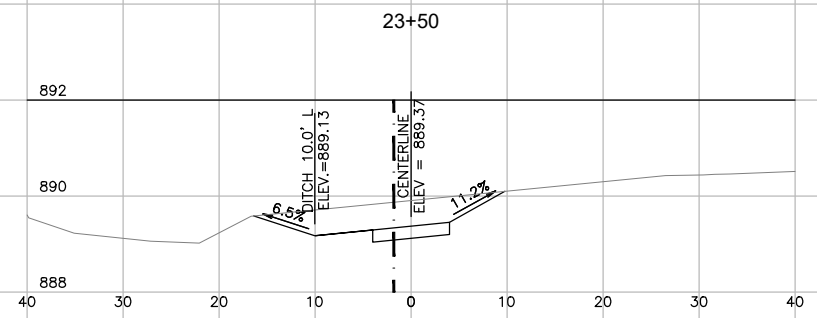
DATE:
 2-14-25
 REVISIONS:



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PROJECT NO.: EV 127
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 DRAWN BY: N.J.D.
 CHECKED BY: B.R.B.

DATE: 2-14-25

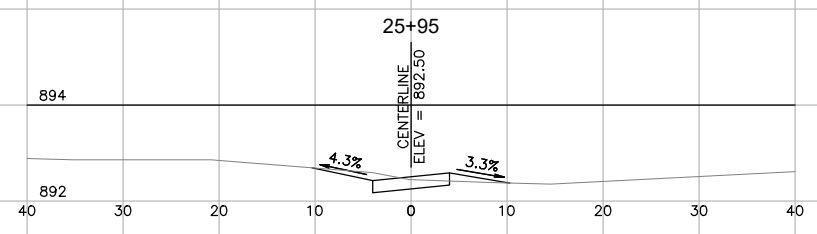
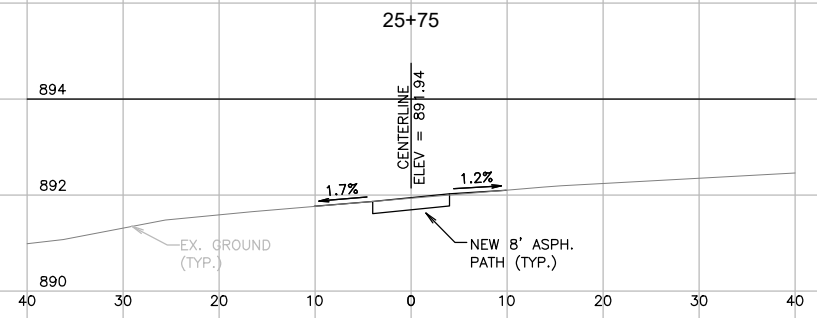
REVISIONS:

SCALE: HORIZONTAL
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SHEET:

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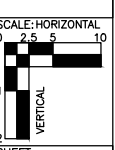


CROSS SECTIONS
 ALLEN CREEK PATH
 Station 25+75 To Station 25+95

2025 PORTER ROAD UTILITY, STREET,
 AND PATH IMPROVEMENTS
 City of Evansville, Wisconsin

PROJECT NO.:
 EV 127
 DRAWING FILE:
 EV 69 SHEETS.DWG
 DRAWN BY:
 N.J.D.
 CHECKED BY:
 B.R.B.

DATE:
 2-14-25
 REVISIONS:



SHEET:
 X14

GENERAL NOTES

- REFER TO SPECIFIC LOCAL CODES FOR ALL WORK ITEMS. THE LATEST EDITION OF "STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN", "WISCONSIN DEPARTMENT OF COMMERCE STATE PLUMBING CODE", MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND "STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, CURRENT EDITION" AS ADOPTED BY THE STATE OF WISCONSIN, DEPARTMENT OF TRANSPORTATION, HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS PROJECT; UNLESS SPECIFIED ELSEWHERE IN THE PROJECT PLANS OR CONTRACT DOCUMENTS. IN THE EVENT OF CONFLICT BETWEEN THE STANDARD SPECIFICATIONS, OR MUNICIPAL SPECIFICATIONS, PROJECT SPECIFICATIONS SHALL TAKE PRECEDENCE AND SHALL GOVERN.
- GEOTECHNICAL EVALUATION HAS NOT BEEN CONDUCTED FOR THIS SITE. SUB-SURFACE SOIL CONDITIONS WERE ASSUMED TO BE CONSISTENT WITH THE US DEPARTMENT OF AGRICULTURE (USDA), NATURAL RESOURCES CONSERVATION SERVICES (NRCS) WEB SOIL SURVEY CUSTOM SOIL RESOURCE REPORT. IT SHALL BE EXPRESSLY UNDERSTOOD THAT OWNER WILL NOT BE RESPONSIBLE FOR ANY INTERPRETATIONS OR CONCLUSIONS DRAWN THEREFROM BY THE CONTRACTOR. DATA IS MADE AVAILABLE FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING ANY ADDITIONAL SOILS INVESTIGATIONS THEY FEEL IS NECESSARY FOR THE PROPER EVALUATION OF THE SITE FOR PURPOSES OF PLANNING, BIDDING, OR CONSTRUCTION OF THE PROJECT AT NO ADDITIONAL COST TO THE OWNER.
- THE INTENTION OF THE PLANS AND SPECIFICATIONS IS TO SET FORTH PERFORMANCE AND CONSTRUCTION MATERIAL STANDARDS FOR THE PROPER EXECUTION OF WORK. ALL WORK CONTAINED WITHIN THE PLANS AND SPECIFICATIONS SHALL BE COMPLETED IN ACCORDANCE WITH ALL REQUIREMENTS FROM LOCAL, STATE, FEDERAL, OR OTHER GOVERNING AGENCY'S LAWS, REGULATIONS, JURISDICTIONAL ORDINANCES/CODES/RULES/ETC. AND THE ENGINEER'S, OWNER'S AND GOVERNING AGENCY'S DIRECTION.
- THESE PLANS PROVIDE SUPPLEMENTARY INFORMATION TO THE W. PORTER ROAD EXTENSION PLANS DESIGNED BY COMBS & ASSOCIATES (N:303414.24, E:412639.62 TO N:303431.77, E:410265.52). THESE PLANS ONLY PERTAIN TO THE REMOVAL AND INSTALLATION OF A BOX CULVERT WHERE W. PORTER ROAD CROSSES THE UNNAMED TRIBUTARY TO ALLEN CREEK. CONTRACTOR SHALL REFER TO THE W. PORTER ROAD PLANS FOR ALL OTHER ROADWAY IMPROVEMENTS. IN THE EVENT OF A CONFLICT BETWEEN THE W. PORTER ROAD PLANS AND THESE PLANS, CONTRACTOR SHALL IMMEDIATELY NOTIFY BOTH COMBS & ASSOCIATES AND R.H. BATTERMAN & CO., INC. IN WRITING. CONSTRUCTION OF ITEMS AFFECTED BY THE DISCREPANCIES/CONFLICTS SHALL NOT COMMENCE, OR CONTINUE, UNTIL A WRITTEN RESPONSE FROM BOTH COMBS & ASSOCIATES AND R.H. BATTERMAN & CO., INC. IS DISTRIBUTED.
- THE CONTRACTOR IS RESPONSIBLE TO REVIEW AND UNDERSTAND ALL COMPONENTS OF THE PLANS AND SPECIFICATIONS, INCLUDING FIELD VERIFYING SOIL CONDITIONS, PRIOR TO SUBMISSION OF A BID PROPOSAL.
- THE CONTRACTOR SHALL PROMPTLY REPORT ANY ERRORS OR AMBIGUITIES LEARNED AS PART OF THEIR REVIEW OF PLANS, SPECIFICATIONS, REPORTS AND FIELD INVESTIGATIONS.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE COMPUTATION OF QUANTITIES AND WORK REQUIRED TO COMPLETE THIS PROJECT. THE CONTRACTOR'S BID SHALL BE BASED ON ITS OWN COMPUTATIONS AND IN NO SUCH INSTANCE RELY ON THE ENGINEER'S ESTIMATE.
- QUESTIONS/CLARIFICATIONS WILL BE INTERPRETED BY ENGINEER/OWNER PRIOR TO THE AWARD OF CONTRACT. ENGINEER/OWNER WILL SUBMIT OFFICIAL RESPONSES IN WRITING. INTERPRETATIONS PRESENTED IN OFFICIAL RESPONSES SHALL BE BINDING ON ALL PARTIES ASSOCIATED WITH THE CONTRACT. IN NO WAY SHALL WORD-OF-MOUTH DIALOG CONSTITUTE AN OFFICIAL RESPONSE.
- PRIOR TO START OF WORK, CONTRACTOR SHALL BE COMPLETELY FAMILIAR WITH ALL CONDITIONS OF THE SITE, AND SHALL ACCOUNT FOR CONDITIONS THAT AFFECT, OR MAY AFFECT CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, LIMITATIONS OF WORK ACCESS, SPACE LIMITATIONS OF WORK ACCESS, SPACE LIMITATIONS, OVERHEAD OBSTRUCTIONS, TRAFFIC PATTERNS, LOCAL REQUIREMENTS, ADJACENT ACTIVITIES, ETC. FAILURE TO CONSIDER SITE CONDITIONS SHALL NOT BE CAUSE FOR CLAIM OF JOB EXTRAS.
- COMMENCEMENT OF CONSTRUCTION SHALL EXPLICITLY CONFIRM THAT THE CONTRACTOR HAS REVIEWED THE PLANS AND SPECIFICATIONS IN ENTIRETY AND CERTIFIES THAT THEIR SUBMITTED BID PROPOSAL CONTAINS PROVISIONS TO COMPLETE THE PROJECT, WITH THE EXCEPTION OF UNFORESEEN FIELD CONDITIONS; ALL APPLICABLE PERMITS HAVE BEEN OBTAINED; AND CONTRACTOR UNDERSTANDS ALL OF THE REQUIREMENTS OF THE PROJECT.
- SHOULD ANY DISCREPANCIES OR CONFLICTS IN THE PLANS OR SPECIFICATIONS BE DISCOVERED AFTER THE AWARD OF THE CONTRACT, ENGINEER/OWNER SHALL BE NOTIFIED IN WRITING IMMEDIATELY AND CONSTRUCTION OF ITEMS AFFECTED BY THE DISCREPANCIES/CONFLICTS SHALL NOT COMMENCE, OR CONTINUE, UNTIL A WRITTEN RESPONSE FROM ENGINEER/OWNER IS DISTRIBUTED.
- THE CONTRACTOR SHALL, AT ITS OWN EXPENSE, OBTAIN ALL NECESSARY PERMITS AND LICENSES TO COMPLETE THE PROJECT. OBTAINING PERMITS, OR DELAYS, IS NOT CAUSE FOR DELAY OF THE CONTRACT OR SCHEDULE. CONTRACTOR SHALL COMPLY WITH ALL PERMIT REQUIREMENTS.
- THE CONTRACTOR SHALL NOTIFY ALL INTERESTED GOVERNING AGENCIES, UTILITY COMPANIES AFFECTED BY THIS CONSTRUCTION PROJECT, AND DIGGER'S HOTLINE IN ADVANCE OF CONSTRUCTION TO COMPLY WITH ALL JURISDICTIONAL ORDINANCES/CODES/RULES/ETC., PERMIT STIPULATION, AND OTHER APPLICABLE STANDARDS. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES FOR FIELD LOCATIONS OF THEIR FACILITIES PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE MAINTENANCE AND PRESERVATION OF THESE FACILITIES. ANY UTILITY LOCATIONS SHOWN ON THE PLANS ARE BASED ON AVAILABLE RECORDS AND ARE FOR GENERAL DIRECTION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING LOCATIONS OF ALL UNDERGROUND UTILITIES SUCH AS GAS MAIN, SANITARY AND STORM SEWER, WATER, ETC., AT THE TIME OF CONSTRUCTION. THE CONTRACTOR SHALL FIELD VERIFY ELEVATIONS, SIZES, CONDITIONS AND MATERIALS OF ALL EXISTING UTILITIES, INCLUDING AND ESPECIALLY AT ALL TIE-IN OR POTENTIAL CONFLICT POINTS. THE FIELD VERIFICATION SHALL OCCUR

PRIOR TO ANY WORK BEING PERFORMED. ANY DEVIATIONS FROM PLAN INFORMATION SHALL BE PROVIDED TO THE ENGINEER IN WRITING WITHIN 24 HOURS OF THE VERIFICATION AND, IN EVERY CASE, PRIOR TO THE START OF CONSTRUCTION. IF THE CONTRACTOR STARTS WORK WITHOUT NOTIFYING THE ENGINEER OF ANY DISCREPANCIES, THEN THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR CORRECTIVE OR OTHER MEASURES NECESSARY TO CONSTRUCT THE UTILITY OR SYSTEM. THE CONTRACTOR SHALL INFORM THE ENGINEER AND THE RESPONSIBLE MUNICIPAL DEPARTMENT BEFORE WORK COMMENCES ON EACH CATEGORY OF CONSTRUCTION (I.E. ELECTRIC, WATER MAIN, SANITARY, STREET, AND STORM SEWER IMPROVEMENT). A TWENTY-FOUR (24) HOUR NOTICE SHALL BE GIVEN FOR ANY ITEM THAT REQUIRES FINAL TESTING AND INSPECTION.

- SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE TO INITIATE, INSTITUTE, ENFORCE, MAINTAIN, AND SUPERVISE ALL SAFETY PRECAUTIONS AND JOB SITE SAFETY PROGRAMS IN CONNECTION WITH THE WORK.
- THE CONTRACTOR SHALL KEEP THE JOBSITE CLEAN AND ORDERLY AT ALL TIMES. ALL LOCATIONS OF THE SITE SHALL BE KEPT IN A WORKING MANNER SUCH THAT DEBRIS IS REMOVED CONTINUOUSLY AND ALL RESPECTIVE CONTRACTORS OPERATE UNDER GENERAL "GOOD HOUSEKEEPING." THE CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO CONTROL DUST ARISING FROM CONSTRUCTION OPERATIONS. THE ENGINEER, OWNER, OR GOVERNING AGENCY MAY ORDER WATER TO BE SPREAD FOR DUST CONTROL. CONTRACTOR SHALL ALSO KEEP PAVED ROADWAYS AS CLEAN AS POSSIBLE AND MAY BE ORDERED BY THE ENGINEER, OWNER, OR GOVERNING AGENCY TO CLEAN STREETS AS REQUIRED. ALL DUST CONTROL MEASURES AND STREET CLEANING WILL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- THE CONTRACTOR SHALL INDEMNIFY THE OWNER, ENGINEER, AND THEIR AGENTS FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, AND TESTING OF THE WORK ON THIS PROJECT.
- PRIOR TO CONSTRUCTION, A PRE-CONSTRUCTION MEETING MUST BE HELD AT THE OFFICE OF THE ENGINEER, OWNER, OR GOVERNING AGENCY. THE PRE-CONSTRUCTION MEETING SHALL BE SCHEDULED AND MODERATED BY THE DESIGN ENGINEER/ARCHITECT OF RECORD.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER BRACING, SHORING, AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS BEFORE CONSTRUCTION BEGINS. HE SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE ENGINEER.
- THE ENGINEER/OWNER/GOVERNING AGENCY AND THEIR REPRESENTATIVES SHALL BE ALLOWED ACCESS TO THE SITE AT ALL TIMES. THE CONTRACTOR SHALL TAKE WHATEVER STEPS NECESSARY TO ASSURE ON-SITE SAFETY, ACCESSIBILITY AND FULL COOPERATION WITH THE REPRESENTATIVE. THE REPRESENTATIVE SHALL BE ALLOWED AT ALL TIMES TO INSPECT QUANTITY AND QUALITY OF THE WORK AND MATERIALS AND SHALL BE GIVEN THE AUTHORITY TO REJECT WORK AND/OR MATERIALS THAT DO NOT COMPLY WITH THE PLANS AND SPECIFICATIONS. THE FINAL ACCEPTANCE OF THE WORK SHALL BE AUTHORIZED BY THE ENGINEER/OWNER/GOVERNING AGENCY.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO LOCAL RESIDENTS, BUSINESSES AND EMERGENCY SERVICE VEHICLES AT ALL TIMES.
- THE CONTRACTOR SHALL PRESERVE ALL SURVEY MONUMENTS, OR THEY SHALL BE REPLACED BY A LICENSED WISCONSIN LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE IF DISTURBED OR DESTROYED.
- IF REQUIRED, THE CITY OF EVANSVILLE'S INDEMNIFICATION AND INSURANCE REQUIREMENTS SHALL BE PROVIDED BY THE CONTRACTOR AS IDENTIFIED IN THE PRE-CONSTRUCTION MEETING.

**R.H. BATTERMAN AND COMPANY, INC.
ENGINEER'S LIMITATION**

R.H. BATTERMAN AND COMPANY, INC. AND THEIR CONSULTANTS DO NOT WARRANT OR GUARANTEE THE ACCURACY AND COMPLETENESS OF THE DELIVERABLES HEREIN BEYOND REASONABLE DILIGENCE. IF ANY MISTAKES, OMISSIONS, OR DISCREPANCIES ARE FOUND TO EXIST WITHIN THE DELIVERABLES, THE ENGINEER SHALL BE PROMPTLY NOTIFIED PRIOR TO BID SO THAT HE MAY HAVE THE OPPORTUNITY TO TAKE WHATEVER STEPS NECESSARY TO RESOLVE THEM. FAILURE TO PROMPTLY NOTIFY THE ENGINEER OF SUCH CONDITIONS SHALL ABSOLVE THE ENGINEER FROM ANY RESPONSIBILITY FOR THE CONSEQUENCES OF SUCH FAILURE. ACTIONS TAKEN WITHOUT THE KNOWLEDGE AND CONSENT OF THE ENGINEER, OR IN CONTRADICTION TO THE ENGINEER'S DELIVERABLES OR RECOMMENDATIONS, SHALL BECOME THE RESPONSIBILITY NOT OF THE ENGINEER BUT OF THE PARTIES RESPONSIBLE FOR TAKING SUCH ACTION.

FURTHERMORE, R.H. BATTERMAN AND COMPANY, INC. IS NOT RESPONSIBLE FOR CONSTRUCTION SAFETY OR THE MEANS AND METHODS OF CONSTRUCTION.

Abbreviations/Definitions

AC	Acres	PC	Point of Curvature
BFE	Basement Floor Elevation	PI	Point of Intersection
BM	Benchmark	PL	Property Line
BOC	Back of Curb	PLE	Permanent Limited Easement
BSL	Building Setback Line	PT	Point of Tangency
CL	Centerline	RCP	Reinforced Concrete Pipe
CPCS	Culvert Pipe Corrugated Steel	R/L	Reference Line
CSM	Certified Survey Map	R/W	Right-of-Way Line
CTH	County Highway	SF	Square Feet
DIA	Diameter	STA	Station
ELEV	Elevation	STH	State Highway
EX	Existing	SW	Sidewalk
FFE	Finished Floor Elevation	SY	Square Yard
HDPE	High Density Polyethylene	TLE	Temporary Limited Easement
INV	Invert	TYP	Typical
LF	Linear Foot	USH	United States Highway
MH	Manhole	VCL	Vertical Curve Length



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ISSUANCE	6/3/2022
CITY REVIEW SET	7/11/2022
PERMIT REVISIONS	2/6/2023
OWNER GPE REVISIONS	3/10/2023
CONSTRUCTION SET	5/5/2023

GENERAL NOTES

NOTE: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS DRAWING.

PORTER ROAD
STRUCTURE REPLACEMENT
CITY OF EVANSVILLE
ROCK COUNTY, WISCONSIN

34099 - C1.02 - GENERAL NOTES.DWG

DESIGNED BY:	NU
DRAWN BY:	LC
CHECKED BY:	LH
APPROVED BY:	NU
PROJECT NO.:	34099

SHEET NO.

C1.02

I. EXECUTIVE SUMMARY

The general contractor, site work contractor, and all subcontractors involved with a construction activity that disturbs site soil or who implement a pollutant control measure identified in the Storm Water Pollution Prevention Plan (SWPPP) must comply with the following requirements of the National Pollution Discharge Elimination Systems (NPDES) General Permit of the local governing agency having jurisdiction concerning erosion and sedimentation control (City Of Evansville).

- A. Submittal of a completed Notice of Intent (NOI) to the Wisconsin DNR, is mandatory for any landowner who intends to discharge storm water from a construction site to waters of the state. A completed NOI must be submitted to the DNR for approval. This specific project falls below 1.0 Ac of land disturbing activity, which is the threshold limit requiring permitting. However, since this specific project is a part of the W. Porter Road Extension project, which is over 1.0 Ac, this specific project will be covered under the W. Porter Road Extension NOI (WDNR FIN: 82044).
B. A copy of the Notice of Intent (NOI) and a description of the project must be posted in a prominent place for public viewing at the construction site.
C. Complete copy of the SWPPP, including copies of all inspection reports, plan revisions, etc., must be retained at the project site at all times during working hours and kept in the permanent project records for at least six years following submission of the Notice of Termination (NOT).
D. The general contractor and sitework contractor must provide names and addresses of all subcontractors working on this project who will be involved with the major construction activities that disturb site soil. That information must be kept with this SWPPP.
E. As described previously, regular inspections must be made to determine effectiveness of the SWPPP. It would be modified as needed to prevent pollutants from discharging from the site. The inspector must be a person familiar with the site, the nature of the major construction activities, and qualified to evaluate both overall system performance and individual component performance. Additionally, the inspector must either be someone empowered to implement modifications to this SWPPP and the pollutant control devices, if needed, in order to increase effectiveness to an acceptable level, or someone with the authority to cause such things to happen.
F. This SWPPP must be updated each time there are significant modifications to the pollutant prevention system or a change of contractors working on the project who disturb site soil. The general contractor and/or sitework contractor must notify the governing review agency as soon as these modifications are implemented.
G. Discharge of oil or other hazardous substances into the storm water is subject to reporting and cleanup requirements.
H. Once the site reaches final stabilization, the general contractor and/or sitework contractor must complete and submit a Notice of Termination (NOT).
I. This SWPPP intends to control water-borne and liquid pollutant discharges by some combination of interception, filtration, and containment. The general contractor, site work contractor, and subcontractors implementing this SWPPP must remain alert to the need to periodically refine and update the SWPPP in order to accomplish the intended goals.
J. This SWPPP must be amended as necessary during the course of construction in order to keep it current with the pollutant control measures utilized at the site. Amending the SWPPP does not mean that it has to be reprinted. It is acceptable to add addenda, sketches, new sections, and/or revised drawings.
K. A record of the dates when major grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated must be maintained until the NOT is filed.

II. INTRODUCTION

This SWPPP has been prepared for major activities associated with construction of the Porter Road Structure Replacement.

This SWPPP includes the elements necessary to comply with the national baseline general permit for construction activities administered by the U.S. Environmental Protection Agency (EPA) under the National Pollutant Discharge Elimination System (NPDES) program and all local governing agency requirements. This SWPPP must be implemented at the start of construction.

Construction phase pollutant sources anticipated at the site are disturbed (bare) soil, vehicle fuels and lubricants, chemicals associated with building construction, and building materials. Without adequate control there is the potential for each type of pollutant to be transported by storm water.

Project construction will consist primarily of removing existing pavement and culvert, grading, and new culvert installation.

A. Purpose

A major goal of pollution prevention efforts during project construction is to control soil and pollutants that originate on the site and prevent them from flowing to surface waters. The purpose of the SWPPP is to provide guidelines for achieving that goal. A successful pollution prevention program also relies upon careful inspection and adjustments during the construction process in order to enhance its effectiveness.

B. Scope

This SWPPP must be implemented before construction begins on the site. It primarily addresses the impact of storm rainfall and runoff on areas of the ground surface disturbed during the construction process. In addition, there are recommendations for controlling other sources of pollution that could accompany the major construction activities. This SWPPP will terminate when disturbed areas are stabilized, construction activities covered herein have ceased, and a completed Notice of Termination (NOT) is mailed to the Wisconsin DNR.

The national baseline General Permit for Storm Water Discharges from Construction Activities prohibits most non-storm water discharges during the construction phase. Allowable non-storm water discharges that could occur during construction on this project, which would therefore be covered by the General permit, include:

- 1. Discharge from fire fighting activities
2. Fire hydrant flushing
3. Water used to wash vehicles or control dust
4. Water flowing from potable sources and water line flushing
5. Irrigation drainage
6. External building wash down which does not use detergents
7. Runoff from pavement wash down where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents have not been used
8. Air conditioning condensate
9. Springs and uncontaminated groundwater, and
10. Foundation or footing drains where flows are not contaminated with process materials such as solvents.

The techniques described in this SWPPP focus on providing control of pollutant discharges with practical approaches that utilize readily available expertise, materials, and equipment.

The Owner referred to in this SWPPP is the City Of Evansville

The general contractor will construct the site development improvements while working under contract with the Owner.

III. PROJECT DESCRIPTION AND SITE SEQUENCING

Described below are the major construction activities that are the subject of this SWPPP. They are presented in the order (or sequence) they are expected to begin, but each activity will not necessarily be completed before the next begins. Also, activities could occur in a different order if necessary to maintain adequate erosion and sedimentation control:

- A. Construct rock tracking pads for construction entrance/exit. This will be the first construction work on the project.
B. Install silt fence down slope from construction activities that disturb site soil.
C. Construct rock surface for temporary parking if needed
D. Demolition - Remove Existing Structures Complete.
E. Roadway Construction - Install site roads and modify drainage structures. Be sure all all disturbed areas have erosion protection devices installed downslope.
F. Final Grading - Provide final grading of any remaining unstabilized areas and immediately stabilize remainder of site.

The actual schedule for implementing pollutant control measures will be determined by project construction progress. Down slope protective measures must always be in place before soil is disturbed.

IV. SITE DESCRIPTION

Included as part of this SWPPP are the project construction drawings. Refer to them for detailed site information.

- A. Site Location - Porter Road (560 Feet West Of Seventh St), Evansville, WI

V. STORM WATER POLLUTION PREVENTION MEASURES AND CONTROLS

A variety of storm water pollutant controls are recommended for this project. Some controls are intended to function temporarily and will be used as needed for pollutant control during the construction period. These include temporary silt fence. For most disturbed areas, permanent stabilization will be accomplished by covering the soil with pavement, building, or vegetation.

A. Erosion and Sediment Controls

- 1. Soil Stabilization - The purpose of soil stabilization is to prevent soil from leaving the site, in the natural condition, soil is stabilized by native vegetation. The primary technique to be used at this project for stabilizing site soil will be to provide a protective cover of turf grass.
a. Temporary Seeding - Within 7 days after construction activity ceases on any particular area, all disturbed ground where there will not be construction for longer than 14 days must be seeded with fast-germinating temporary seed and protected with mulch.
b. Permanent Seeding - All areas at final grade must be seeded within 7 days after completion of the major construction activity. Except for small level spots, seeded areas should generally be protected with mulch.
c. Structural Controls - See the Grading Plan and associated details for construction information of the proposed outlet control structures, storm sewer, etc.

Final site stabilization is achieved when turf grass cover provides permanent stabilization for at least 70 percent of the disturbed soil surface, exclusive of areas that have been paved.

B. Other Pollutant Controls

Control of sediments has been described previously. Other aspects of this SWPPP are

- 1. Dust Control - Construction traffic must enter and exit the site at the stabilized construction entrance. The purpose is to trap dust and mud that would otherwise be carried off site by construction traffic.
2. Solid Waste Disposal - No solid materials, including building materials, are allowed to be discharged from the site with storm water. All solid waste, including disposable materials incidental to the major construction activities, must be collected and placed in containers. The containers will be emptied periodically by a contract trash disposal service and hauled away from the site. Substances that have the potential for polluting surface and/or groundwater must be controlled by whatever means necessary in order to ensure that they do not discharge from the site. As an example, special care must be exercised during equipment fueling and servicing operations. If a spill occurs, it must be contained and disposed so that it will not flow from the site or enter groundwater, even if this requires removal, treatment, and disposal of soil. In this regard, potentially polluting substances should be handled in a manner consistent with the impact they present.
3. Sanitary Facilities - All personnel involved with construction activities must comply with state and local sanitary or septic system regulations. Temporary sanitary facilities will be provided at the site throughout the construction phase. They must be utilized by all construction personnel and will be serviced by a commercial operator.
4. Water Source - Non-storm water components of site discharge must be clean water. Water used for construction which discharges from the site, must originate from a public water supply or private well approved by the State Health Department. Water used for construction that does not originate from an approved public supply must not discharge from the site. It can be retained in the ponds until it infiltrates and evaporates.
5. Long-Term Pollutant controls - Storm water pollutant control measures installed during construction, that will also provide benefits after construction, include grassed areas, partially perforated pipe, and storm water outlet structures that will trap some sediment and allow for regular maintenance and cleanout. Those silt fences that do not interfere with normal operations and appear to provide long-term benefits can be left in place after construction is completed.

C. Construction Phase "Best Management Practices"

During the construction phase, the general contractor will implement the following

- 1. Material resulting from the clearing and grubbing operation will be stockpiled up slope from adequate sedimentation controls.
2. The general contractor will designate areas for equipment cleaning, maintenance, and repair. The general contractor and subcontractors will utilize those areas. The areas will be protected by a temporary perimeter berm.
3. Use of detergents for large scale washing is prohibited (i.e., vehicles, buildings, pavement surfaces, etc.).
4. Chemicals, paints, solvents, fertilizers, and other toxic material must be stored in waterproof containers. Except during application, the contents must be kept in trucks or within storage facilities. Runoff containing such material must be collected, removed from the site, treated, and disposed at an approved solid waste or chemical disposal

VI. LOCAL PLANS

In addition to this SWPPP, construction activities associated with this project must comply with any guidelines set forth by the local regulatory agency (City Of Evansville).

If there are multi permits or guidelines the contractor shall follow the most stringent.

VII. INSPECTIONS AND SYSTEM MAINTENANCE

Between the time this SWPPP is implemented and final site stabilization is achieved, all disturbed areas and pollutant controls must be inspected at least once every seven calendar days and within 24 hours following a rainfall of 0.5 inches or greater or snowfall 6" or greater.

The purpose of site inspections is to assess performance of pollutant controls. The inspections will be conducted by the general contractor/sitework contractor's representative. Based on these inspections, the general contractor will decide whether it is necessary to modify this SWPPP, add or relocate silt fence, or whatever else may be needed in order to prevent pollutants from leaving the site via storm water runoff. The general contractor has the duty to cause pollutant control measures to be repaired, modified, maintained, supplemented, or whatever else is necessary in order to achieve effective pollutant control.

Examples of particular items to evaluate during site inspections are listed below. This list is not intended to be comprehensive. During each inspection the inspector must evaluate overall pollutant control system performance as well as particular details of individual system components. Additional factors should be considered as appropriate to the circumstances.

- A. Locations where vehicles enter and exit the site must be inspected for evidence of off site sediment tracking. A stabilized construction entrance will be constructed where vehicles enter and exit. This entrance will be maintained or supplemented as necessary to prevent sediment from leaving the site on vehicles.
B. Silt fence must be inspected and, if necessary, they must be enlarged or cleaned in order to provide additional capacity. All material excavated from behind silt fence will be stockpiled on the up slope side. Additional silt fence must be constructed as needed.
C. Inspections will evaluate disturbed areas and areas used for storing materials that are exposed to rainfall for evidence of, or the potential for, pollutants entering the drainage system. If necessary, the materials must be covered or original covers must be repaired or supplemented. Also, protective berms must be constructed, if needed, in order to contain runoff from material storage areas.
D. Grassed areas will be inspected to confirm that a healthy stand of grass is maintained. The site has achieved final stabilization once all areas are covered with building foundation or pavement, or have a stand of grass with at least 70 percent density. The density of 70 percent or greater must be maintained to be considered as stabilized. Areas must be watered, fertilized, and reseeded as needed to achieve this goal.
E. All discharge points must be inspected to determine whether erosion control measures are effective in preventing significant impacts to receiving waters.

Based on inspection results, any modification necessary to increase effectiveness of the SWPPP to an acceptable level must be made within seven calendar days of the inspection. The inspection report must be completed entirely and additional remarks should be included if needed to fully describe a situation. An important aspect of the inspection report is the description of additional measures that need to be taken to enhance plan effectiveness. The inspection report must identify whether the site was in compliance with the SWPPP at the time of inspection and specifically identify all incidents of non-compliance.

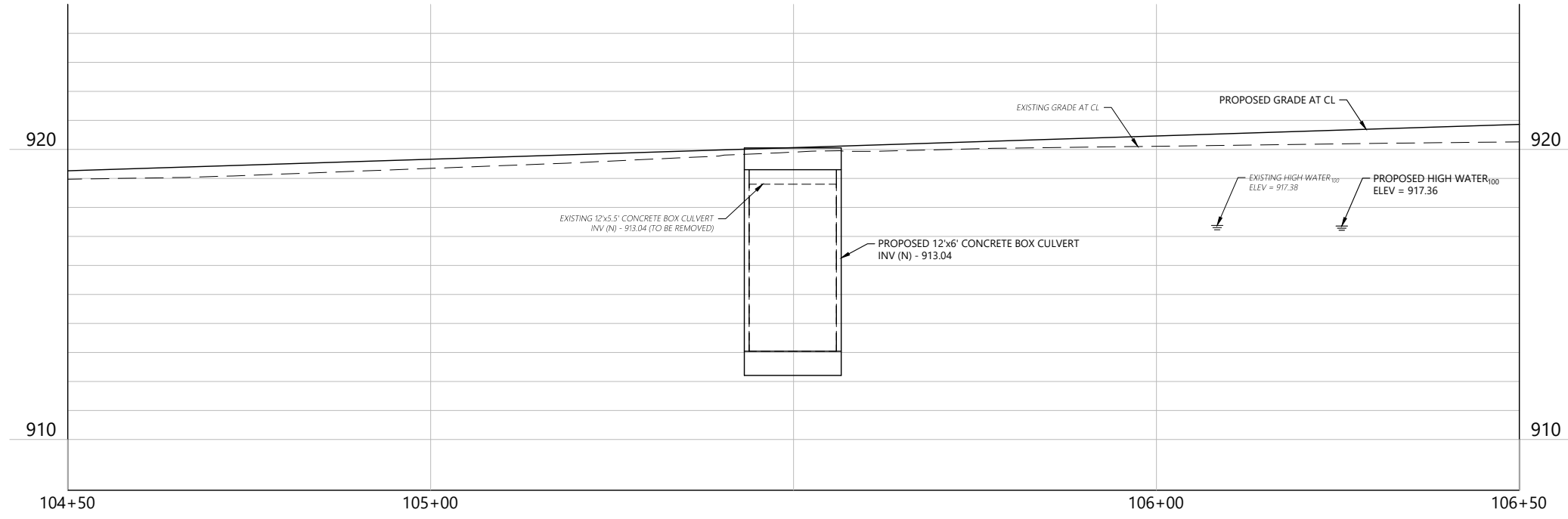
Inspection reports must be kept on file by the general contractor as an integral part of this SWPPP for at least six years from the date of completion of the project.

Ultimately, it is the responsibility of the general/sitework contractor to assure the adequacy of site pollutant discharge controls. Actual physical site conditions or contractor practices could make it necessary to install more structural controls than are shown on the plans. (ie: localized concentrations of runoff could make it necessary to install additional silt fence. Assessing the need for additional controls and implementing them or adjusting existing controls will be a continuing aspect of this SWPPP until the site achieves final stabilization.

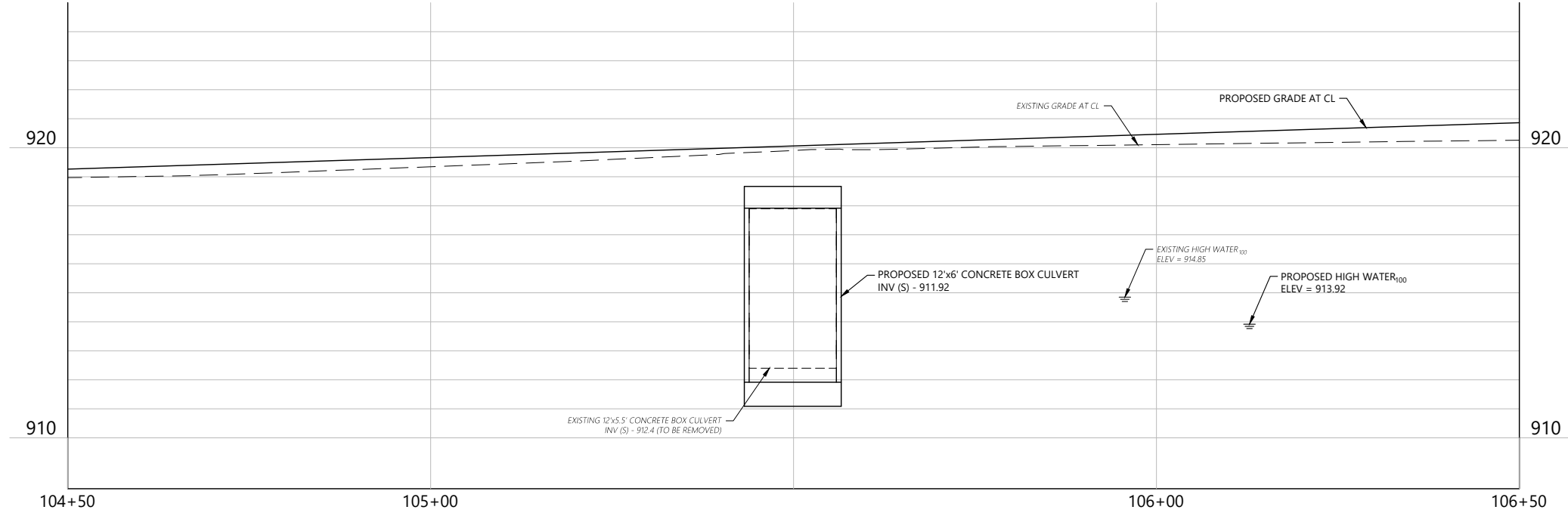
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Vertical sidebar containing Batteredman logo, project title 'PORTER ROAD STRUCTURE REPLACEMENT CITY OF EVANSVILLE ROCK COUNTY, WISCONSIN', sheet number 'C1.03', and contact information for engineers, surveyors, and planners.

W. Porter Road Culvert - Upstream



W. Porter Road Culvert - Downstream



PLOT DATE: 5/5/2023 3:21 PM



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ISSUANCE	
CITY REVIEW SET	6/3/2022
PERMIT REVISIONS	7/11/2022
WDNR GPZ REVISIONS	2/6/2023
WDNR GPZ REVISIONS	3/10/2023
CONSTRUCTION SET	5/5/2023

DETAILS

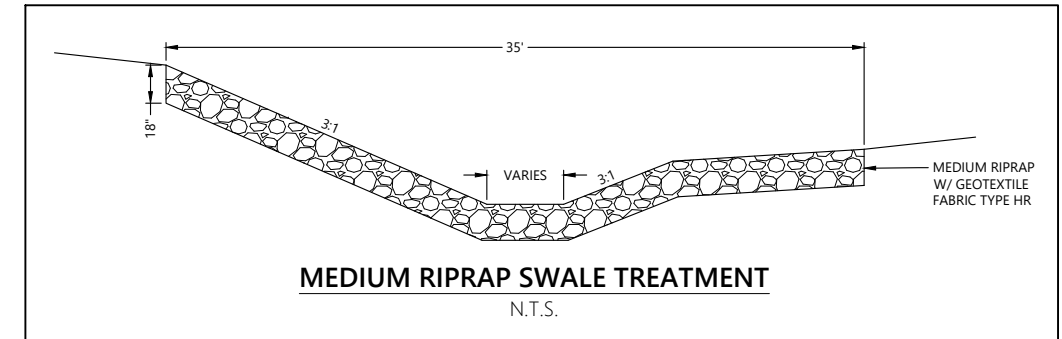
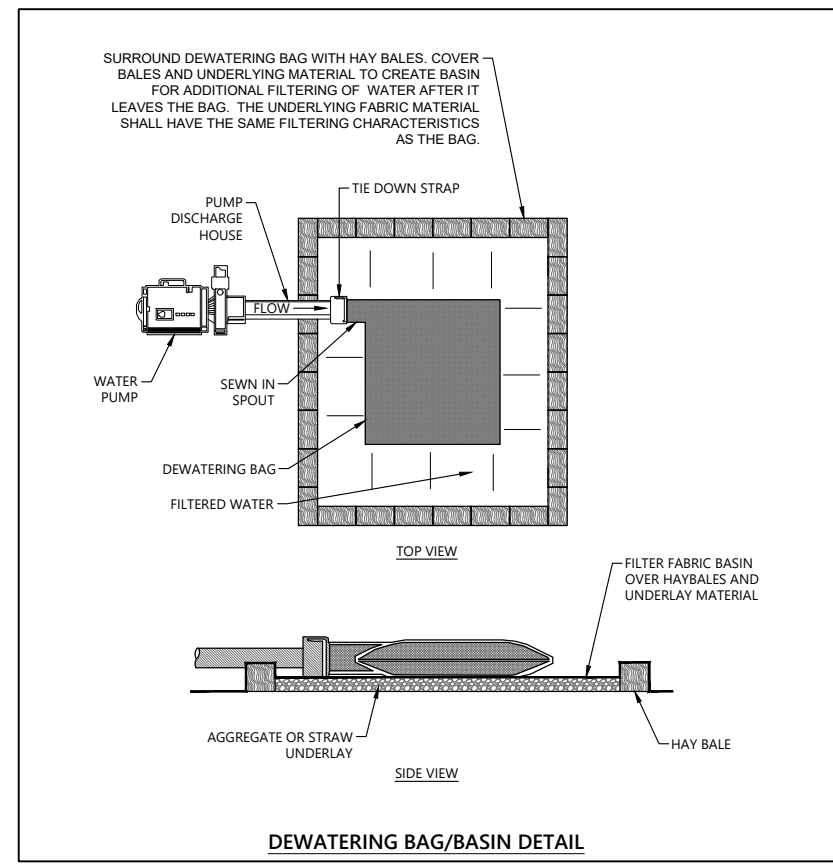
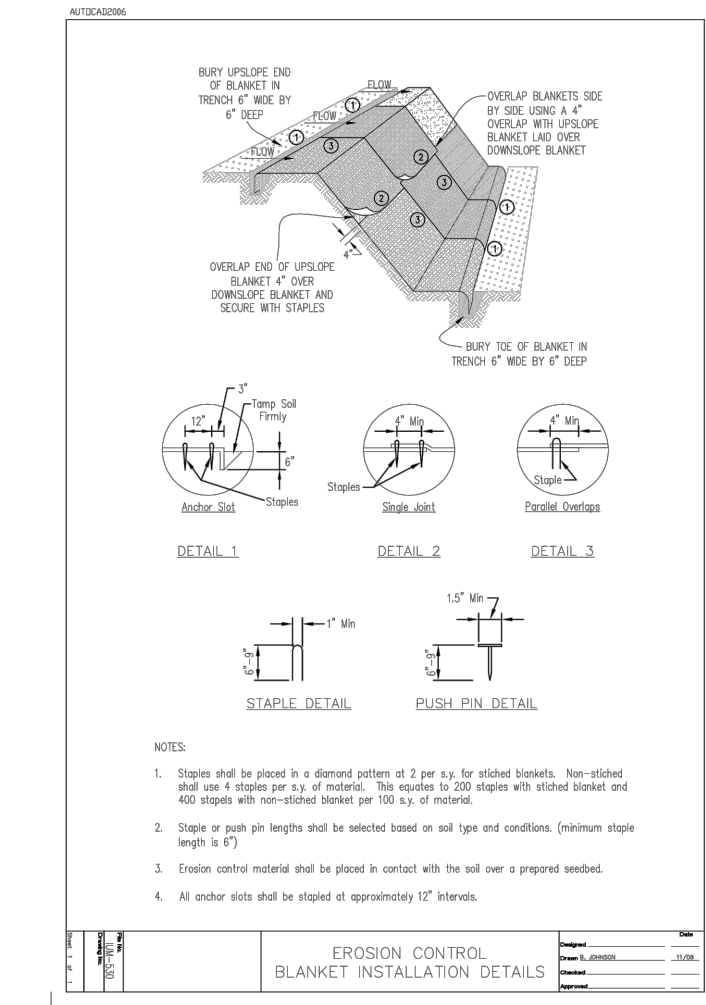
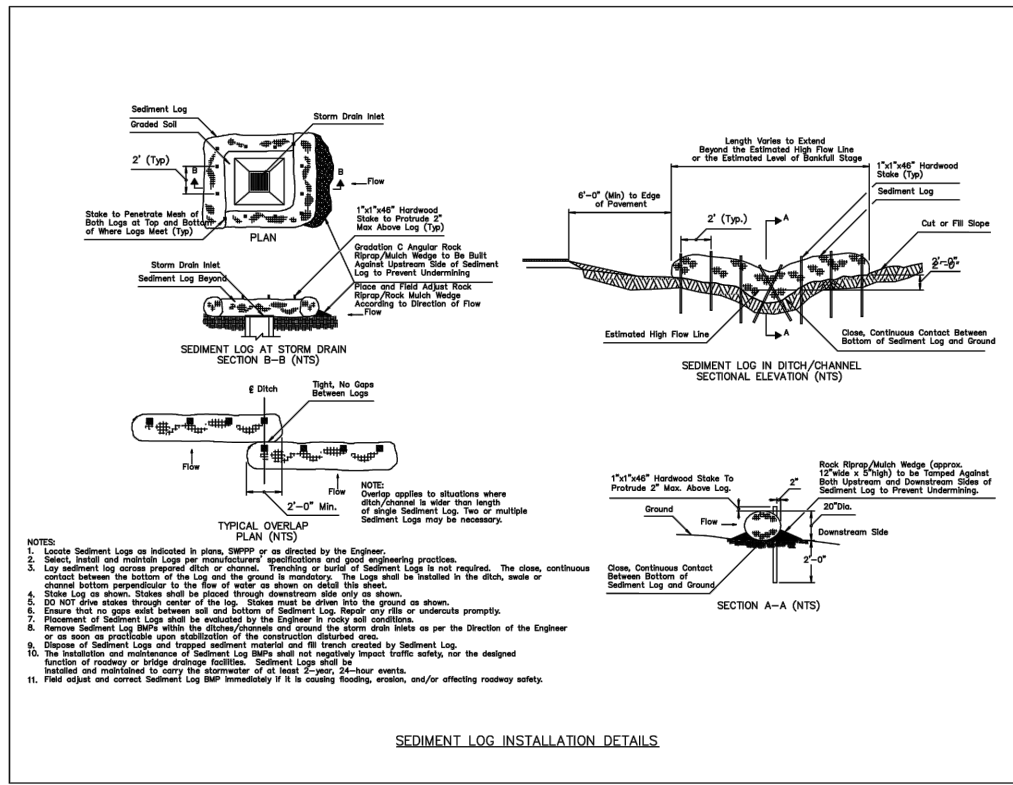
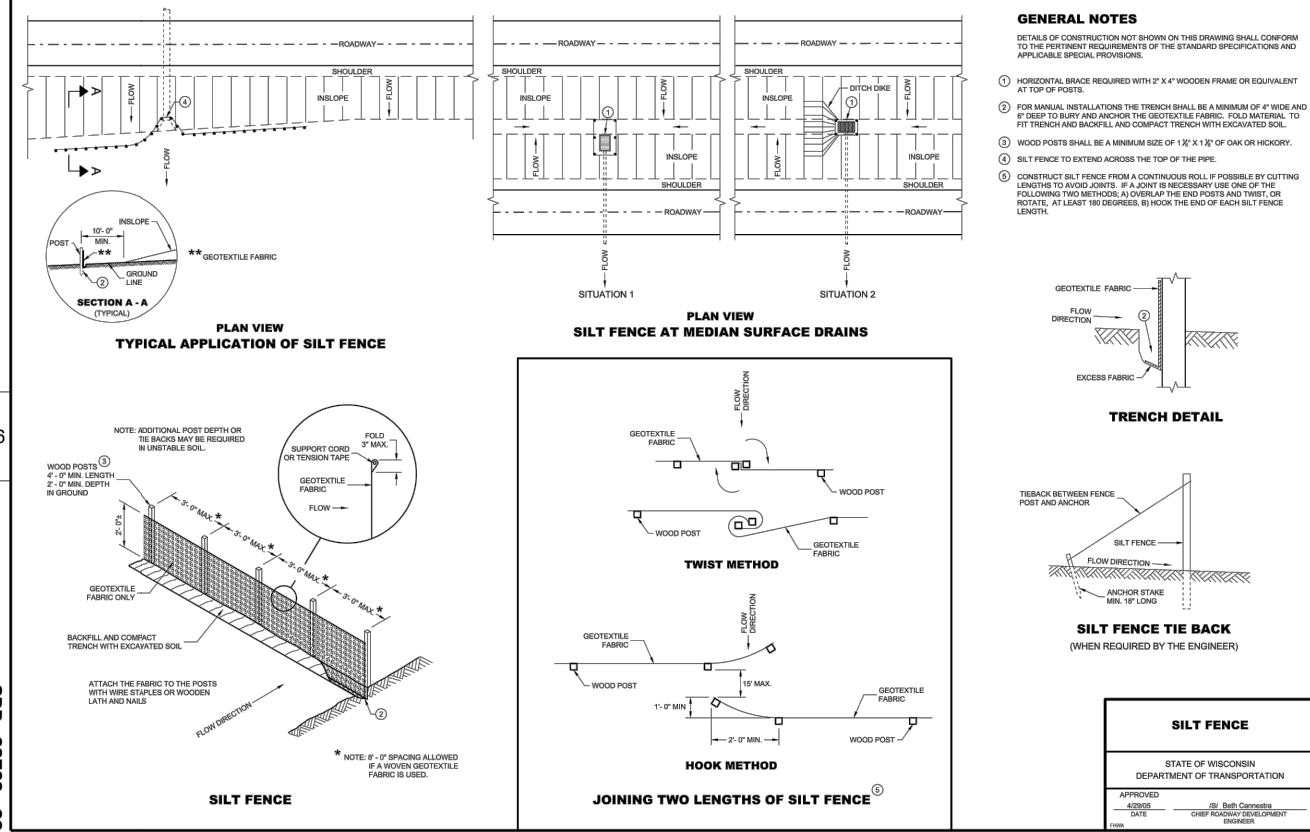
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**PORTER ROAD
STRUCTURE REPLACEMENT
CITY OF EVANSVILLE
ROCK COUNTY, WISCONSIN**

34099 - C3.01 - DETAILS.DWG

DESIGNED BY:	NU
DRAWN BY:	LC
CHECKED BY:	LH
APPROVED BY:	NU
PROJECT NO.:	34099

SHEET NO.
C3.01



PLOT DATE: 5/5/2023 3:21 PM

ISSUANCE	6/3/2022
CITY REVIEW SET	7/11/2022
PERMIT REVISIONS	2/6/2023
WDRR G.P.F. REVISIONS	3/10/2023
CONSTRUCTION SET	5/5/2023

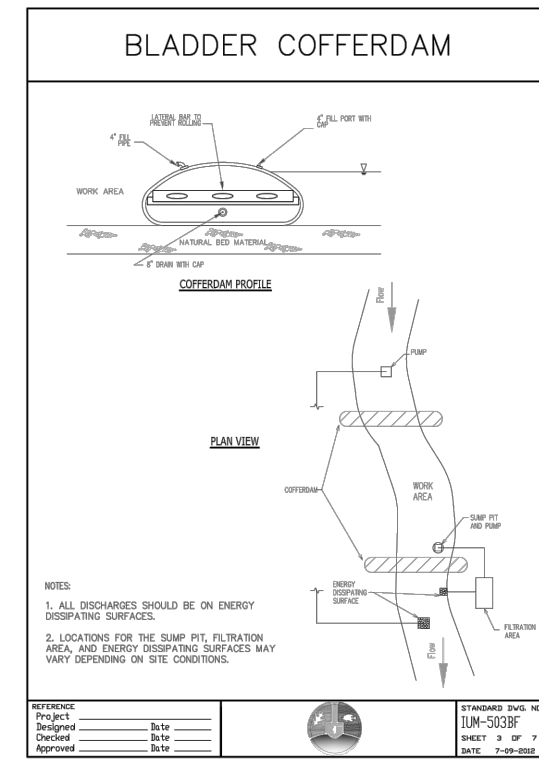
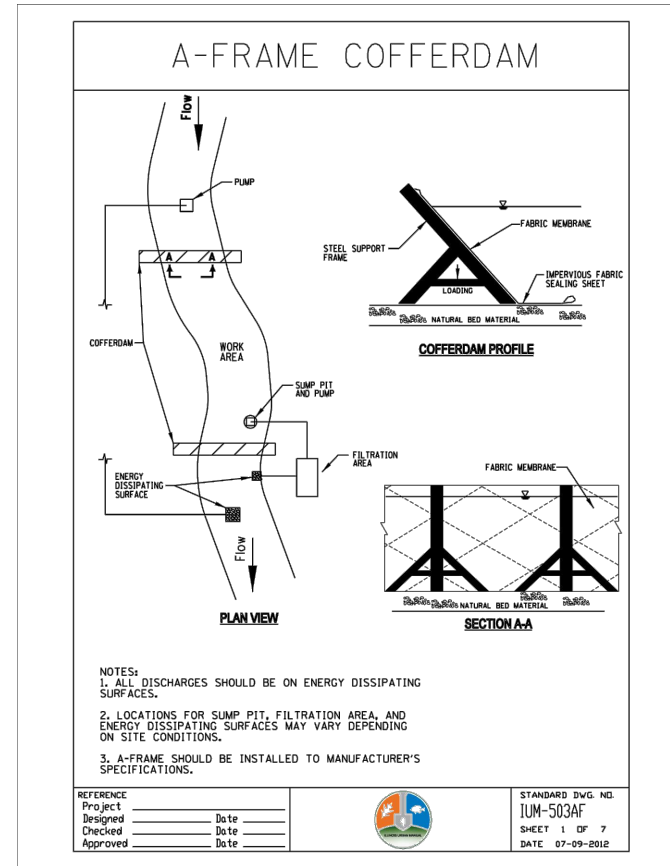
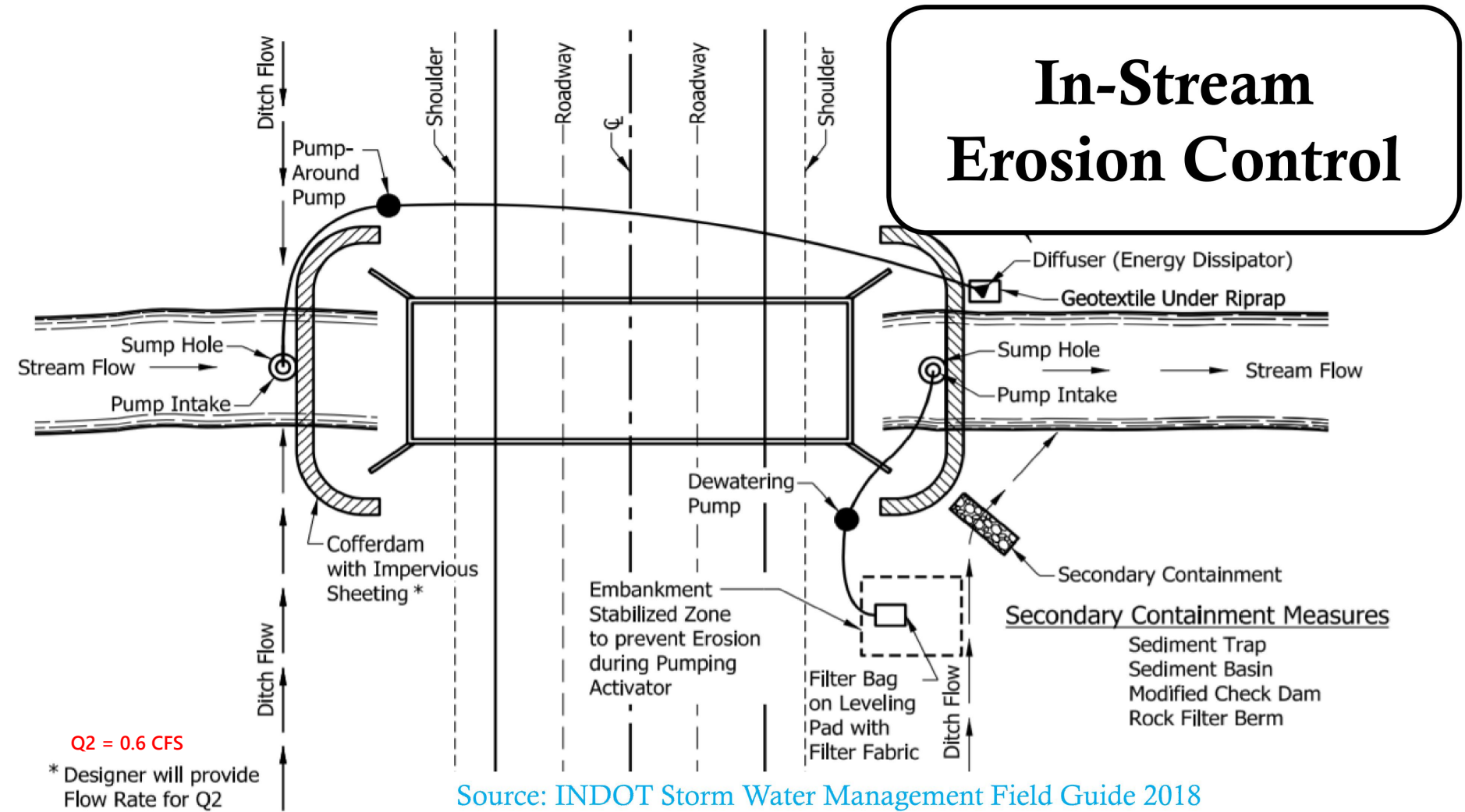
EROSION CONTROL DETAILS

NOTE: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS DRAWING.

PORTER ROAD
STRUCTURE REPLACEMENT
CITY OF EVANSVILLE
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DESIGNED BY:	NU
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C3.02



- IN STREAM EROSION CONTROL NOTES:**
- BYPASS PUMP SHALL BE OF SUFFICIENT SIZE TO HANDLE THE 2-YEAR 24-HOUR (Q2) STORM EVENT.
 - THE Q2 STORM EVENT IS BASED OFF THE FEHR-GRAHAM & ASSOCIATES, LLC PLANS FOR THE REGIONAL DETENTION BASIN & THE RATING CURVE OF THE REGIONAL DETENTION BASIN IMMEDIATELY UPSTREAM OF THE CULVERT. THE WATER QUALITY VOLUME IN THE PLANS IS 0.95 AC-FT WHICH CORRESPONDS TO A DISCHARGE RATE OF 0.58 CFS ON THE RATING CURVE. THEREFORE, THE BYPASS PUMP SHALL BE ABLE TO CONVEY 0.6 CFS (270 GPM).
 - THE UPSTREAM AND DOWNSTREAM ENDS OF THE SYSTEM SHALL BE COVERED WITH A MESH THAT WILL PREVENT FISH AND OTHER AQUATIC ORGANISMS FROM ENTERING THE OPERATION.

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EROSION CONTROL DETAILS

**PORTER ROAD
STRUCTURE REPLACEMENT
CITY OF EVANSVILLE
ROCK COUNTY, WISCONSIN**

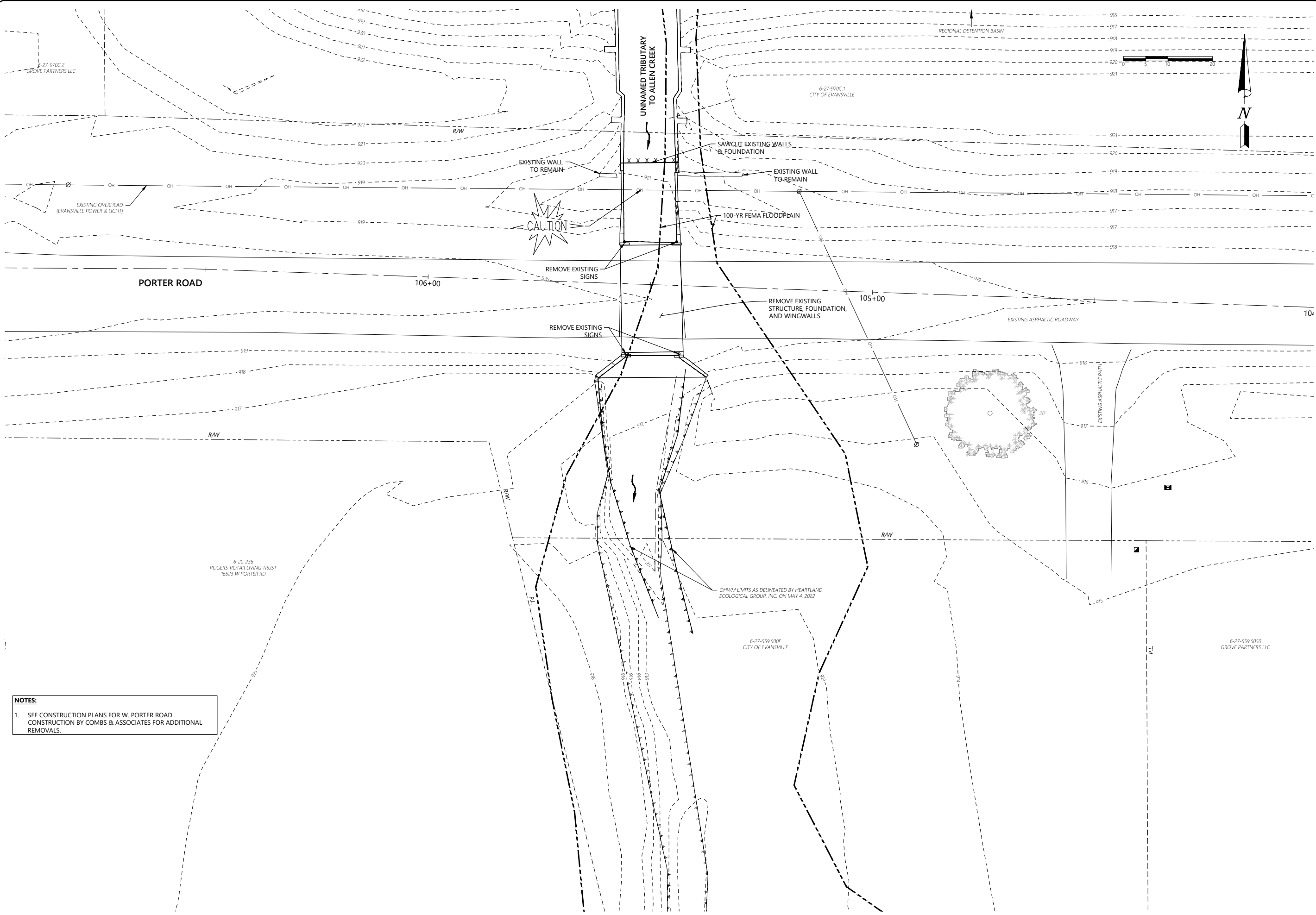
34099 - C3.01 - DETAILS.DWG

DESIGNED BY:	LC	LH	NJ
DRAWN BY:	LC	LH	NJ
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APPROVED BY:			
PROJECT NO.:	34099		

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C3.03


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NOTES:

- SEE CONSTRUCTION PLANS FOR W. PORTER ROAD CONSTRUCTION BY COMBS & ASSOCIATES FOR ADDITIONAL REMOVALS.



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ISSUANCE

CITY REVIEW SET	6/3/2022
PERMIT REVISIONS	7/11/2022
WDMR GP2 REVISIONS	2/6/2023
WDMR GP2 REVISIONS	3/10/2023
CONSTRUCTION SET	5/5/2023

REMOVALS PLAN

NOTE: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS DRAWING.

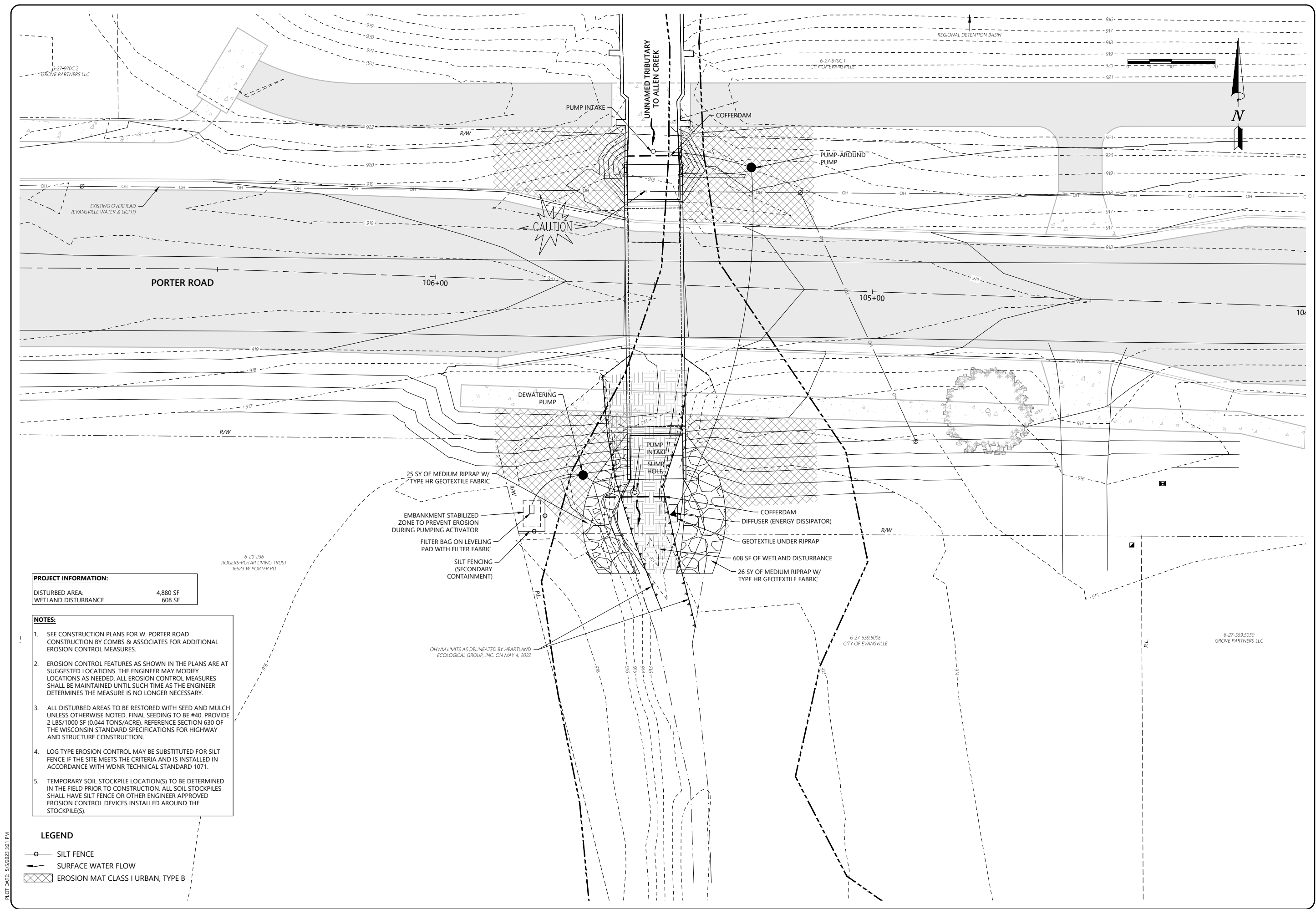
PORTER ROAD
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CITY OF EVANSVILLE
ROCK COUNTY, WISCONSIN

34099 - C4.01 - REMOVALS.DWG

DESIGNED BY:	NJ
DRAWN BY:	LC
CHECKED BY:	LH
APPROVED BY:	NJ
PROJECT NO.:	34099

SHEET NO.

C4.01



PROJECT INFORMATION:

DISTURBED AREA:	4,880 SF
WETLAND DISTURBANCE	608 SF

- NOTES:**
- SEE CONSTRUCTION PLANS FOR W. PORTER ROAD CONSTRUCTION BY COMBS & ASSOCIATES FOR ADDITIONAL EROSION CONTROL MEASURES.
 - EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER MAY MODIFY LOCATIONS AS NEEDED. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.
 - ALL DISTURBED AREAS TO BE RESTORED WITH SEED AND MULCH UNLESS OTHERWISE NOTED. FINAL SEEDING TO BE #40. PROVIDE 2 LBS/1000 SF (0.044 TONS/ACRE). REFERENCE SECTION 630 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
 - LOG TYPE EROSION CONTROL MAY BE SUBSTITUTED FOR SILT FENCE IF THE SITE MEETS THE CRITERIA AND IS INSTALLED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1071.
 - TEMPORARY SOIL STOCKPILE LOCATION(S) TO BE DETERMINED IN THE FIELD PRIOR TO CONSTRUCTION. ALL SOIL STOCKPILES SHALL HAVE SILT FENCE OR OTHER ENGINEER APPROVED EROSION CONTROL DEVICES INSTALLED AROUND THE STOCKPILE(S).

LEGEND

	SILT FENCE
	SURFACE WATER FLOW
	EROSION MAT CLASS I URBAN, TYPE B

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EROSION CONTROL PLAN

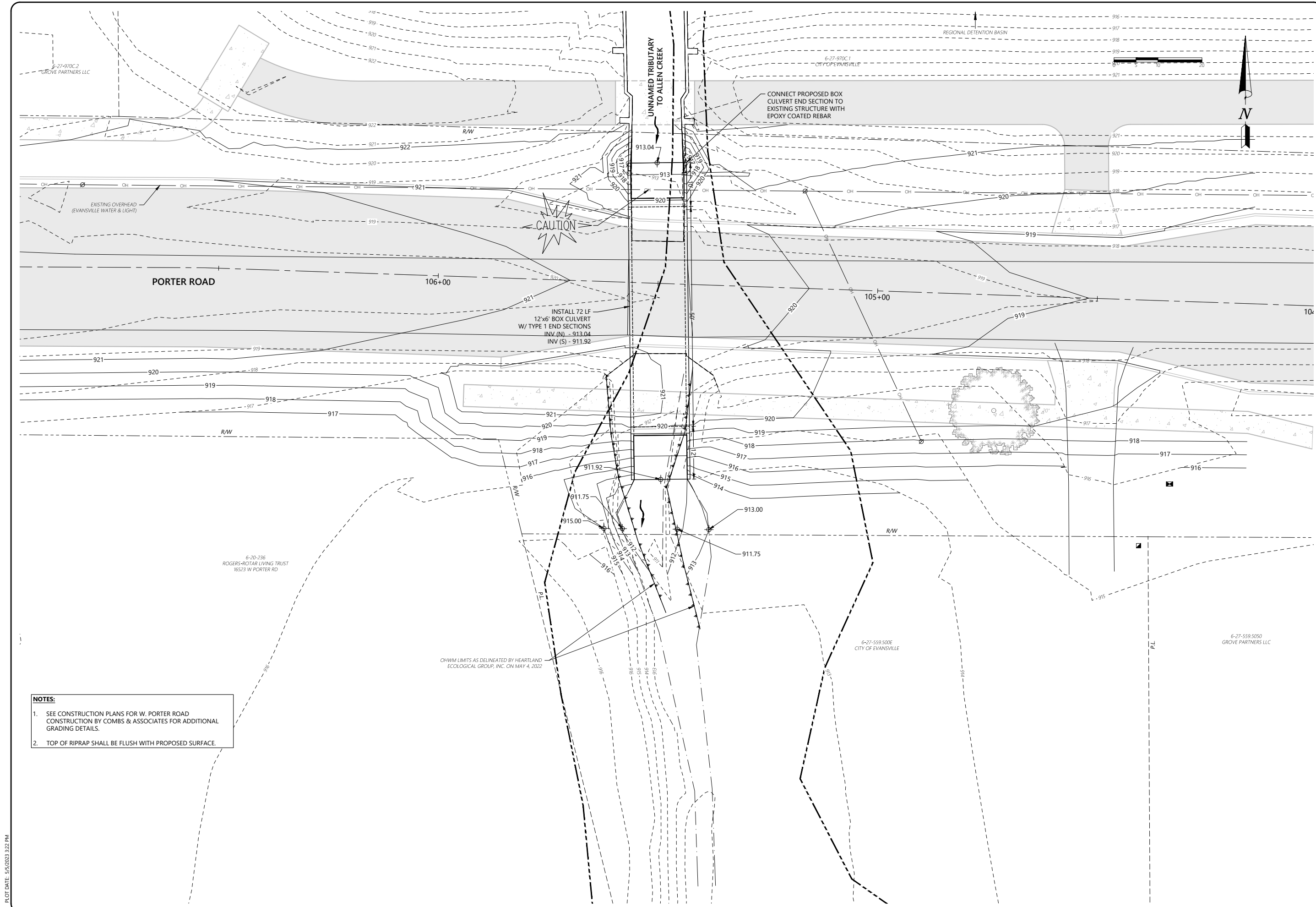
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**PORTER ROAD
STRUCTURE REPLACEMENT
CITY OF EVANSVILLE
ROCK COUNTY, WISCONSIN**

34999 - C4.02 - E.C.DWG

DESIGNED BY:	NJ
DRAWN BY:	LC
CHECKED BY:	LH
APPROVED BY:	NJ
PROJECT NO.:	34999

SHEET NO.
C4.02



- NOTES:**
- SEE CONSTRUCTION PLANS FOR W. PORTER ROAD CONSTRUCTION BY COMBS & ASSOCIATES FOR ADDITIONAL GRADING DETAILS.
 - TOP OF RIPRAP SHALL BE FLUSH WITH PROPOSED SURFACE.



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ISSUANCE	
CITY REVIEW SET	6/3/2022
PERMIT REVISIONS	7/11/2022
WDMR GP2 REVISIONS	2/6/2023
WDMR GP2 REVISIONS	3/10/2023
CONSTRUCTION SET	5/5/2023

GRADING & DRAINAGE PLAN

NOTE: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS DRAWING.

PORTER ROAD
STRUCTURE REPLACEMENT
CITY OF EVANSVILLE
ROCK COUNTY, WISCONSIN
34099 - C4.03 - GRADING & DRAINAGE DWG

DESIGNED BY:	NJ
DRAWN BY:	LC
CHECKED BY:	LH
APPROVED BY:	NJ
PROJECT NO.:	34099

SHEET NO.
C4.03

PLOT DATE: 5/5/2023 3:22 PM

Storm Sewer Systems
Precast Concrete Box
Culvert Sizes Sheet

Size Span x Rise	Approx. Equivalent Round Dia.	Approx. Water Area/Sq. Ft.	Approx. Weight/L. Ft.	ASTM C1433 Price/Ft.	2:1 Type 1 End Section	Precast Dropwall
4' x 3'	42"	11.65	1320	Please Call for Pricing		12" x 3' 2" x 13' 4"
6' x 3'	60"	16	1870			12" x 3' 2" x 15' 4"
6' x 4'	6' 6"	22	2070			12" x 3' 2" x 17' 4"
6' x 5'	72"	28	2240			12" x 3' 2" x 19' 4"
6' x 6'	2 @ 60"	34	2420			
8' x 4'	2 @ 60"	30	3190			
8' x 5'	2 @ 60"	38	3390			
8' x 6'	2 @ 66"	46	3590			
8' x 7'	3 @ 60"	54	3790			
8' x 8'	3 @ 60"	62	3990			
10' x 4'	3 @ 48"	38	3660			
10' x 5'	4 @ 48"	48	3860			
10' x 6'	3 @ 60"	58	4060			
10' x 7'	3 @ 66"	68	4260			
10' x 8'	4 @ 60"	78	4460			
10' x 9'	4 @ 66"	88	4660			
10' x 10'	5 @ 60"	98	4860			
12' x 4'	3 @ 54"	46	4130			
12' x 5'	3 @ 60"	58	4330			
12' x 6'	3 @ 66"	70	4530			
12' x 7'	4 @ 60"	82	4730			
12' x 8'	4 @ 66"	94	4930			
12' x 9'	4 @ 72"	106	5130			
12' x 10'	4 @ 72"	118	5330			
12' x 11'	5 @ 72"	130	5530			
12' x 12'	5 @ 72"	142	5730			

PRECAST BOX NOTES: (*PRODUCT DIMENSIONS & WEIGHTS WILL BE VERIFIED BY SHOW DRAWINGS.)

- * MAXIMUM LENGTH is 6'-0"
- * TOP SLAB THICKNESS = 9"
- * SIDE WALL THICKNESS = 8"
- * BOTTOM SLAB THICKNESS = 10"

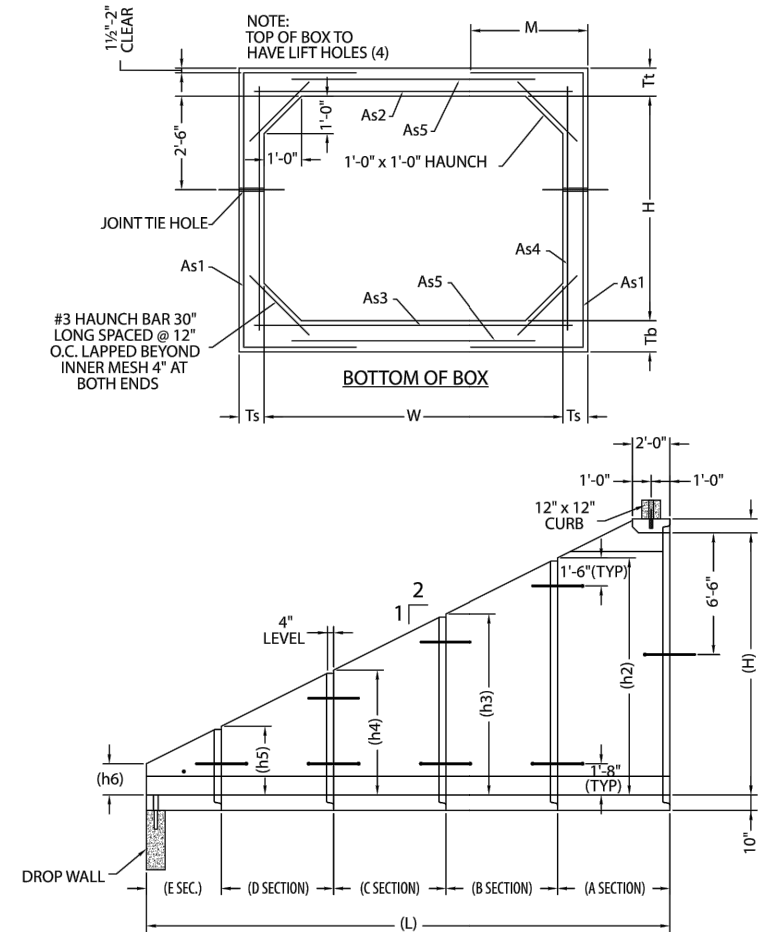
JOINT TIES (TWO SETS PER JOINT)
BUTYL SEALANT (1 1/4" x 14' - 6")

- ALL PRICES F.O.B. JOBSITE
- DELIVERED TO NEAREST ACCESSIBLE POINT BY TRUCK UNDER ITS OWN POWER IN TRUCKLOAD LOT
- LESS THAN FULL LOADS SUBJECT TO A DELIVERY CHARGE
- PRICES SUBJECT TO CHANGE WITHOUT NOTICE

ASTM C1433- STANDARD SPECIFICATIONS FOR PRECAST REINFORCED CONCRETE MONOLITHIC BOX SECTIONS FOR CULVERTS, STORM DRAINS, AND SEWERS.

ASTM C1577- STANDARD SPECIFICATIONS FOR PRECAST REINFORCED CONCRETE MONOLITHIC BOX SECTIONS FOR CULVERTS, STORM DRAINS, AND SEWERS DESIGNED ACCORDING TO AASHTO LRFD.

Storm Sewer Systems
Precast Concrete Box Culvert
End Sections



TYPE 1 END SECTION

TYPE 1 END SECTION PROPERTIES													
H (FT.)	L (FT.)	A SECTION		h2	B SECTION		h3	C SECTION		h4	D SECTION		
		A (FT.)	Ah (IN ² /FT)		B (FT.)	Ah (IN ² /FT)		C (FT.)	Ah (IN ² /FT)		D (FT.)	Ah (IN ² /FT)	h5
4	8	4	0.192	3'-8"	4	0.192	1'-8"						
5	10	6	0.192	3'-8"	4	0.192	1'-8"						
6	12	6	0.192	4'-8"	4	0.192	1'-8"						
7	14	6	0.192	5'-8"	4	0.192	3'-8"	4	0.192	1'-8"			
8	16	6	0.20	6'-8"	6	0.192	3'-8"	4	0.192	1'-8"			
9	18	6	0.29	7'-8"	6	0.20	4'-8"	6	0.192	1'-8"			
10	20	6	0.42	8'-8"	6	0.29	5'-8"	4	0.192	3'-8"	4	0.192	1'-8"
11	22	6	0.60	9'-8"	6	0.42	6'-8"	6	0.192	3'-8"	4	0.192	1'-8"
12	24	6	0.78	10'-8"	6	0.60	7'-8"	6	0.20	4'-8"	6	0.192	1'-8"

Batterman
engineers surveyors planners
Beloit, Wisconsin 53511
www.batterman.com

ISSUANCE

CITY REVIEW SET	6/3/2022
PERMIT REVISIONS	7/11/2022
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WDRR GPE REVISIONS	3/10/2023
CONSTRUCTION SET	5/5/2023

COUNTY MATERIALS BOX CULVERT DETAILS

PORTER ROAD
STRUCTURE REPLACEMENT
CITY OF EVANSVILLE
ROCK COUNTY, WISCONSIN

DESIGNED BY: NU
DRAWN BY: LC
CHECKED BY: LH
APPROVED BY: NU
PROJECT NO.: 34099

34099 - C3.01 - DETAILS.DWG

SHEET NO.
C5.01