February 18, 2026

Allard Excavation LLC
59 High Street
South Webster, Ohio 45682

Attention: Mr. Greg Greenlee

RE: Project 250282 Pike
PIK-124-14.96
PID#119782
Type: Minor Reconstruction

Dear Mr. Greenlee:

Please note the preconstruction meeting for the above reference project has been scheduled for Wednesday, March 18, 2026, at 2:00 p.m. This will be a Microsoft Teams Meeting. No one will need to come to the district; we will be doing this over the phone. All the information that You will need to attend this phone meeting will be in the email with this letter.

The purpose of this meeting is to discuss the minor reconstruction project referenced above. We will also discuss the Department’s initiative of instituting informal partnering on this project.

In addition, this project requires a Bar Chart Schedule. Please email the

Bar Chart Schedule to this District ahead of this Meeting. Prompt submittal of your CML for the project. The CML should be submitted before the Precon. Please email the CML to this email address: ODOT_CML@dot.ohio.gov and cc RoseAnne Barnett.

Should you have any questions or need additional information, please contact this office.

Respectfully,

Michael L. Dombrowski
District 9 Deputy Director

By: Paul W. Maravy, by RAB

Paul W. Maravy, P.E.
District 9 Construction Engineer

MLD/PWM/rab

cc:					
	Barnes	Condo	Hurst	Sherron	Havens
	Barnitz	Cottrell	Immell	Thompson	File
	Beck	Dombrowski	Maravy	Young	
	Beery	Elliott	Sherron	Zickafoose	
	Bruning	Francis	McClellan	OSHP	
	Butt	Grooms	Pridemore	Haus	
	Cockrell	Henshaw	Schaaf	Grooms	

Ohio Department of Transportation - Prebid Questions

Project No. 250282 **Sale Date - 5/22/2025**

PIK-119782 - SR 124-14.96

Question Submitted: 5/21/2025 10:09:48 AM

We have spoken to several precast suppliers regarding lead times on the box culvert. Each supplier has stated that due to long wait times on reinforcing steel they are expecting a 3 month lead time for the first delivery. This would put the earliest delivery date for the phase 1 box sections in September. With a 10/31/25 completion date this doesn't leave enough time to finish the project. Please consider pushing the completion date to 2026.

Upon demonstration by the contractor of extended lead time for reinforcing steel subsequently delaying the fabrication of the box culvert, the Department would execute an Excusable Non-Compensable time extension (as defined in 108.06 B.3) due to this potential material procurement delay. Unless otherwise agreed, the start of Construction would then need to be initiated in the 2026 construction season due to the difficult and needed continuous construction operations introduced by the phased construction operations.

*** DISCLAIMER - Prebid questions and answers provided are for informational purposes only and are not part of the Bid Documents. If a question warrants a clarification, the Department will issue an addendum addressing the request.

Ohio Department of Transportation
Official Bid Tabulation
Jack Marchbanks, Ph.D., Director

Project No. 250282
PID 119782
PIK-SR 124-14.96
Federal
Type: MINOR RECONSTRUCTION
Letting Date: 5/22/2025
Completion Date: 10/31/2025

Contract Awarded To: ALLARD EXCAVATION LLC
Award Amount: $1,944,512.00

Engineer's Estimate: $2,770,000.00

Bidder 1
ALLARD EXCAVATION LLC
59 HIGH STREET
Scioto
SOUTH WEBSTER, OH 45682
Bid $1,944,512.00

Bidder 2
FILLMORE CONSTRUCTION
11741 St Rt 72
Highland
Leesburg, OH 45135
Bid $1,978,550.85

Bidder 3
SHELLY & SANDS INC
1515 HARMON AVE
Franklin
COLUMBUS, OH 43223
Bid $2,691,937.75

Bidder 4
AXIS CIVIL CONSTRUCTION LLC
1196 Technology Drive
Franklin
Gahanna, OH 43230
Bid $2,873,150.50

Ref #1	**201E11000**	**CLEARING AND GRUBBING, (LUMP SUM)**	
	Awd	$30,000.00	$30,000.00
	2	$10,000.00	$10,000.00
	3	$60,000.00	$60,000.00
	4	$20,000.00	$20,000.00
Ref #2	**202E23000**	**PAVEMENT REMOVED, (4434 SY)**	
	Awd	$6.00	$26,604.00
	2	$5.00	$22,170.00
	3	$6.50	$28,821.00
	4	$13.00	$57,642.00
Ref #3	**202E35100**	**PIPE REMOVED, 24" DIAMETER AND UNDER, (156 FT)**	
	Awd	$10.00	$1,560.00
	2	$10.00	$1,560.00
	3	$28.00	$4,368.00
	4	$25.00	$3,900.00
Ref #4	**202E38000**	**GUARDRAIL REMOVED, (341 FT)**	
	Awd	$4.00	$1,364.00
	2	$3.50	$1,193.50
	3	$3.50	$1,193.50
	4	$5.00	$1,705.00
Ref #5	**202E75000**	**FENCE REMOVED, (183 FT)**	
	Awd	$2.00	$366.00
	2	$10.00	$1,830.00
	3	$5.00	$915.00
	4	$5.00	$915.00
Ref #6	**203E10000**	**EXCAVATION, (1881 CY)**	
	Awd	$20.00	$37,620.00
	2	$30.00	$56,430.00
	3	$17.00	$31,977.00
	4	$32.00	$60,192.00
Ref #7	**203E20000**	**EMBANKMENT, (3679 CY)**	
	Awd	$17.00	$62,543.00
	2	$50.00	$183,950.00
	3	$19.00	$69,901.00
	4	$32.00	$117,728.00
Ref #8	**204E10000**	**SUBGRADE COMPACTION, (7157 SY)**	
	Awd	$3.00	$21,471.00
	2	$3.00	$21,471.00
	3	$2.50	$17,892.50
	4	$3.00	$21,471.00
Ref #9	**204E13000**	**EXCAVATION OF SUBGRADE, (3644 CY)**	
	Awd	$14.00	$51,016.00
	2	$20.00	$72,880.00
	3	$30.00	$109,320.00
	4	$32.00	$116,608.00
Ref #10	**204E20000**	**EMBANKMENT, (6331 CY)**	
	Awd	$13.00	$82,303.00
	2	$30.00	$189,930.00
	3	$25.50	$161,440.50
	4	$55.00	$348,205.00

Ref #11	**204E30010**	**GRANULAR MATERIAL, TYPE B, (100 CY)**	
	Awd	$83.00	$8,300.00
	2	$120.00	$12,000.00
	3	$73.00	$7,300.00
	4	$84.00	$8,400.00
Ref #12	**204E45000**	**PROOF ROLLING, (4 HOUR)**	
	Awd	$263.00	$1,052.00
	2	$125.00	$500.00
	3	$271.00	$1,084.00
	4	$200.00	$800.00
Ref #13	**606E15100**	**GUARDRAIL, TYPE MGS WITH LONG POSTS, (50 FT)**	
	Awd	$83.00	$4,150.00
	2	$75.00	$3,750.00
	3	$75.00	$3,750.00
	4	$75.00	$3,750.00
Ref #14	**606E26150**	**ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016), (1 EACH)**	
	Awd	$2,400.00	$2,400.00
	2	$2,850.00	$2,850.00
	3	$2,850.00	$2,850.00
	4	$2,850.00	$2,850.00
Ref #15	**623E38500**	**MONUMENT ASSEMBLY, TYPE C, (7 EACH)**	
	Awd	$1,758.00	$12,306.00
	2	$3,500.00	$24,500.00
	3	$2,113.00	$14,791.00
	4	$2,400.00	$16,800.00
Ref #16	**623E40520**	**RIGHT-OF-WAY MONUMENT, TYPE B, (18 EACH)**	
	Awd	$669.00	$12,042.00
	2	$1,500.00	$27,000.00
	3	$198.00	$3,564.00
	4	$650.00	$11,700.00
Ref #17	**690E50350**	**SPECIAL - MAILBOX REMOVED AND RESET, (1 EACH)**	
	Awd	$120.00	$120.00
	2	$200.00	$200.00
	3	$200.00	$200.00
	4	$200.00	$200.00

Section 1 - ROADWAY - Totals

Awd	**$355,217.00**
2	**$632,214.50**
3	**$519,367.50**
4	**$792,866.00**

Ref #18	**601E32104**	**ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FA, (44 CY)**	
	Awd	$87.00	$3,828.00
	2	$200.00	$8,800.00
	3	$112.00	$4,928.00
	4	$80.00	$3,520.00
Ref #19	**659E00300**	**TOPSOIL, (1299 CY)**	
	Awd	$28.00	$36,372.00
	2	$30.00	$38,970.00
	3	$20.00	$25,980.00
	4	$52.00	$67,548.00

Ref #20	**659E10000**	**SEEDING AND MULCHING, (9575 SY)**	
	Awd	$0.85	$8,138.75
	2	$1.00	$9,575.00
	3	$1.00	$9,575.00
	4	$0.85	$8,138.75
Ref #21	**659E20000**	**COMMERCIAL FERTILIZER, (1.29 TON)**	
	Awd	$1,250.00	$1,612.50
	2	$1,400.00	$1,806.00
	3	$1,250.00	$1,612.50
	4	$1,250.00	$1,612.50
Ref #22	**659E31000**	**LIME, (1.98 ACRE)**	
	Awd	$120.00	$237.60
	2	$450.00	$891.00
	3	$150.00	$297.00
	4	$150.00	$297.00
Ref #23	**659E35000**	**WATER, (52 MGAL)**	
	Awd	$1.00	$52.00
	2	$10.00	$520.00
	3	$1.00	$52.00
	4	$1.00	$52.00
Ref #24	**670E00500**	**SLOPE EROSION PROTECTION, (2121 SY)**	
	Awd	$2.00	$4,242.00
	2	$2.00	$4,242.00
	3	$2.00	$4,242.00
	4	$2.00	$4,242.00
Ref #25	**671E14000**	**EROSION CONTROL MAT, (283 SY)**	
	Awd	$3.00	$849.00
	2	$2.00	$566.00
	3	$2.50	$707.50
	4	$2.50	$707.50
Ref #26	**832E15000**	**STORM WATER POLLUTION PREVENTION PLAN, (LUMP SUM)**	
	Awd	$3,011.00	$3,011.00
	2	$5,000.00	$5,000.00
	3	$2,750.00	$2,750.00
	4	$2,500.00	$2,500.00
Ref #27	**832E15002**	**STORM WATER POLLUTION PREVENTION INSPECTIONS, (LUMP SUM)**	
	Awd	$9,828.00	$9,828.00
	2	$10,000.00	$10,000.00
	3	$7,000.00	$7,000.00
	4	$17,500.00	$17,500.00
Ref #28	**832E15010**	**STORM WATER POLLUTION PREVENTION INSPECTION SOFTWA, (LUMP SUM)**	
	Awd	$9,755.00	$9,755.00
	2	$10,000.00	$10,000.00
	3	$9,000.00	$9,000.00
	4	$8,000.00	$8,000.00
Ref #29	**832E30000**	**EROSION CONTROL, (49521 EACH)**	
	Awd	$1.00	$49,521.00
	2	$1.00	$49,521.00
	3	$1.00	$49,521.00
	4	$1.00	$49,521.00

Section 2 - EROSION CONTROL - Totals

Awd	**$127,446.85**
2	**$139,891.00**
3	**$115,665.00**
4	**$163,638.75**

Ref #30	**503E11100**	**COFFERDAMS AND EXCAVATION BRACING, (LUMP SUM)**	
	Awd	$88,500.00	$88,500.00
	2	$10,000.00	$10,000.00
	3	$635,425.00	$635,425.00
	4	$750,000.00	$750,000.00
Ref #31	**503E21100**	**UNCLASSIFIED EXCAVATION, (117 CY)**	
	Awd	$38.00	$4,446.00
	2	$140.00	$16,380.00
	3	$51.00	$5,967.00
	4	$75.00	$8,775.00
Ref #32	**509E10000**	**EPOXY COATED STEEL REINFORCEMENT, (3103 LB)**	
	Awd	$3.00	$9,309.00
	2	$2.50	$7,757.50
	3	$4.00	$12,412.00
	4	$4.00	$12,412.00
Ref #33	**511E46010**	**CLASS QC1 CONCRETE, RETAINING/WINGWALL NOT INCLUDI, (8 CY)**	
	Awd	$2,491.00	$19,928.00
	2	$1,500.00	$12,000.00
	3	$5,600.00	$44,800.00
	4	$2,750.00	$22,000.00
Ref #34	**511E46510**	**CLASS QC1 CONCRETE, FOOTING, (23 CY)**	
	Awd	$1,664.00	$38,272.00
	2	$1,000.00	$23,000.00
	3	$1,500.00	$34,500.00
	4	$670.00	$15,410.00
Ref #35	**511E46610**	**CLASS QC1 CONCRETE, HEADWALL, (1 CY)**	
	Awd	$1,204.00	$1,204.00
	2	$2,000.00	$2,000.00
	3	$3,025.00	$3,025.00
	4	$1,700.00	$1,700.00
Ref #36	**512E10100**	**SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), (30 SY)**	
	Awd	$40.00	$1,200.00
	2	$80.00	$2,400.00
	3	$86.00	$2,580.00
	4	$75.00	$2,250.00
Ref #37	**512E33000**	**TYPE 2 WATERPROOFING, (199 SY)**	
	Awd	$60.00	$11,940.00
	2	$30.00	$5,970.00
	3	$28.00	$5,572.00
	4	$25.00	$4,975.00
Ref #38	**516E13600**	**1" PREFORMED EXPANSION JOINT FILLER, (26 SF)**	
	Awd	$3.00	$78.00
	2	$10.00	$260.00
	3	$2.00	$52.00
	4	$10.00	$260.00

Ref #39	**518E21200**	**POROUS BACKFILL WITH GEOTEXTILE FABRIC, (6 CY)**	
	Awd	$142.00	$852.00
	2	$140.00	$840.00
	3	$450.00	$2,700.00
	4	$280.00	$1,680.00
Ref #40	**602E20000**	**CONCRETE MASONRY, (3.1 CY)**	
	Awd	$3,279.00	$10,164.90
	2	$2,000.00	$6,200.00
	3	$2,700.00	$8,370.00
	4	$3,400.00	$10,540.00
Ref #41	**605E31100**	**AGGREGATE DRAINS, (549 FT)**	
	Awd	$23.00	$12,627.00
	2	$10.00	$5,490.00
	3	$14.00	$7,686.00
	4	$20.00	$10,980.00
Ref #42	**611E01400**	**6" CONDUIT, TYPE E, (50 FT)**	
	Awd	$54.00	$2,700.00
	2	$50.00	$2,500.00
	3	$23.00	$1,150.00
	4	$20.00	$1,000.00
Ref #43	**611E01500**	**6" CONDUIT, TYPE F, (50 FT)**	
	Awd	$54.00	$2,700.00
	2	$60.00	$3,000.00
	3	$23.00	$1,150.00
	4	$20.00	$1,000.00
Ref #44	**611E04900**	**12" CONDUIT, TYPE D, (30 FT)**	
	Awd	$99.00	$2,970.00
	2	$80.00	$2,400.00
	3	$90.00	$2,700.00
	4	$50.00	$1,500.00
Ref #45	**611E07900**	**18" CONDUIT, TYPE D (SEE SHEET**	**FOR ALLOW, (59 FT)**
	Awd	$110.00	$6,490.00
	2	$140.00	$8,260.00
	3	$79.00	$4,661.00
	4	$50.00	$2,950.00
Ref #46	**611E10600**	**24" CONDUIT, TYPE C (SEE SHEET**	**FOR ALLOW, (60 FT)**
	Awd	$124.00	$7,440.00
	2	$200.00	$12,000.00
	3	$151.00	$9,060.00
	4	$75.00	$4,500.00
Ref #47	**611E20700**	**48" CONDUIT, TYPE A (SEE SHEET**	**FOR ALLOW, (86 FT)**
	Awd	$323.00	$27,778.00
	2	$500.00	$43,000.00
	3	$405.00	$34,830.00
	4	$265.00	$22,790.00
Ref #48	**611E94800**	**8' X 4' CONDUIT, TYPE A, 706.05, (86 FT)**	
	Awd	$1,700.00	$146,200.00
	2	$1,800.00	$154,800.00
	3	$1,478.00	$127,108.00
	4	$1,450.00	$124,700.00

Section 3 - DRAINAGE - Totals

Awd	**$394,798.90**
2	**$318,257.50**
3	**$943,748.00**
4	**$999,422.00**

Ref #49	**254E01000**	**PAVEMENT PLANING, ASPHALT CONCRETE (1.5"), (255 SY)**	
	Awd	$30.00	$7,650.00
	2	$10.00	$2,550.00
	3	$29.50	$7,522.50
	4	$30.00	$7,650.00
Ref #50	**301E56000**	**ASPHALT CONCRETE BASE, PG64-22, (449), (1615 CY)**	
	Awd	$177.00	$285,855.00
	2	$192.00	$310,080.00
	3	$160.00	$258,400.00
	4	$177.00	$285,855.00
Ref #51	**304E20000**	**AGGREGATE BASE, (1205 CY)**	
	Awd	$61.00	$73,505.00
	2	$68.00	$81,940.00
	3	$73.00	$87,965.00
	4	$64.00	$77,120.00
Ref #52	**407E10000**	**TACK COAT, (1132 GAL)**	
	Awd	$2.50	$2,830.00
	2	$3.00	$3,396.00
	3	$3.50	$3,962.00
	4	$2.50	$2,830.00
Ref #53	**410E12000**	**TRAFFIC COMPACTED SURFACE, TYPE A OR B, (25 CY)**	
	Awd	$56.00	$1,400.00
	2	$100.00	$2,500.00
	3	$120.00	$3,000.00
	4	$85.00	$2,125.00
Ref #54	**410E13000**	**TRAFFIC COMPACTED SURFACE, TYPE C, (15 CY)**	
	Awd	$57.00	$855.00
	2	$120.00	$1,800.00
	3	$125.00	$1,875.00
	4	$85.00	$1,275.00
Ref #55	**441E70000**	**ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG, (531 CY)**	
	Awd	$215.00	$114,165.00
	2	$224.00	$118,944.00
	3	$205.00	$108,855.00
	4	$215.00	$114,165.00

Section 4 - PAVEMENT - Totals

Awd	**$486,260.00**
2	**$521,210.00**
3	**$471,579.50**
4	**$491,020.00**

Ref #56	**621E00100**	**RPM, (19 EACH)**	
	Awd	$200.00	$3,800.00
	2	$200.00	$3,800.00
	3	$200.00	$3,800.00
	4	$200.00	$3,800.00
Ref #57	**621E54000**	**RAISED PAVEMENT MARKER REMOVED, (19 EACH)**	
	Awd	$12.00	$228.00
	2	$10.00	$190.00
	3	$14.00	$266.00
	4	$40.00	$760.00
Ref #58	**626E00112**	**BARRIER REFLECTOR, TYPE 3 (BI-DIRECTIONAL), (2 EACH)**	
	Awd	$15.00	$30.00
	2	$15.00	$30.00
	3	$15.00	$30.00
	4	$15.00	$30.00
Ref #59	**630E02100**	**GROUND MOUNTED SUPPORT, NO. 2 POST, (8.5 FT)**	
	Awd	$14.00	$119.00
	2	$25.00	$212.50
	3	$25.00	$212.50
	4	$25.00	$212.50
Ref #60	**630E03100**	**GROUND MOUNTED SUPPORT, NO. 3 POST, (12 FT)**	
	Awd	$15.00	$180.00
	2	$28.00	$336.00
	3	$28.00	$336.00
	4	$28.00	$336.00
Ref #61	**630E80100**	**SIGN, FLAT SHEET, (10 SF)**	
	Awd	$30.00	$300.00
	2	$30.00	$300.00
	3	$30.00	$300.00
	4	$30.00	$300.00
Ref #62	**630E84900**	**REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL, (10 EACH)**	
	Awd	$30.00	$300.00
	2	$25.00	$250.00
	3	$25.00	$250.00
	4	$25.00	$250.00
Ref #63	**630E85100**	**REMOVAL OF GROUND MOUNTED SIGN AND REERECTION, (1 EACH)**	
	Awd	$60.00	$60.00
	2	$175.00	$175.00
	3	$175.00	$175.00
	4	$175.00	$175.00
Ref #64	**630E86002**	**REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSA, (10 EACH)**	
	Awd	$30.00	$300.00
	2	$25.00	$250.00
	3	$25.00	$250.00
	4	$25.00	$250.00
Ref #65	**642E00104**	**EDGE LINE, 6", TYPE 1, (0.6 MILE)**	
	Awd	$1,975.00	$1,185.00
	2	$1,975.00	$1,185.00
	3	$1,975.00	$1,185.00
	4	$1,975.00	$1,185.00

Ref #66	**642E00300**	**CENTER LINE, TYPE 1, (0.29 MILE)**	
	Awd	$3,525.00	$1,022.25
	2	$3,525.00	$1,022.25
	3	$3,525.00	$1,022.25
	4	$3,525.00	$1,022.25

Section 5 - TRAFFIC CONTROL - Totals

Awd	**$7,524.25**
2	**$7,750.75**
3	**$7,826.75**
4	**$8,320.75**

Ref #67	**614E11110**	**LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSIST, (16 HOUR)**	
	Awd	$85.00	$1,360.00
	2	$100.00	$1,600.00
	3	$120.00	$1,920.00
	4	$70.00	$1,120.00
Ref #68	**614E12384**	**WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BI, (10 EACH)**	
	Awd	$2,008.00	$20,080.00
	2	$2,008.00	$20,080.00
	3	$2,400.00	$24,000.00
	4	$2,100.00	$21,000.00
Ref #69	**614E13310**	**BARRIER REFLECTOR, TYPE 1 (BI-DIRECTIONAL), (73 EACH)**	
	Awd	$30.00	$2,190.00
	2	$30.00	$2,190.00
	3	$9.00	$657.00
	4	$12.00	$876.00
Ref #70	**614E13314**	**BARRIER REFLECTOR, TYPE 3 (BI-DIRECTIONAL), (5 EACH)**	
	Awd	$50.00	$250.00
	2	$50.00	$250.00
	3	$25.00	$125.00
	4	$18.00	$90.00
Ref #71	**614E13360**	**OBJECT MARKER, TWO WAY, (78 EACH)**	
	Awd	$32.00	$2,496.00
	2	$32.00	$2,496.00
	3	$18.00	$1,404.00
	4	$18.00	$1,404.00
Ref #72	**614E22210**	**WORK ZONE EDGE LINE, CLASS I, 6", 740.06, TYPE I, (1.36 MILE)**	
	Awd	$10,125.00	$13,770.00
	2	$10,125.00	$13,770.00
	3	$10,125.00	$13,770.00
	4	$10,125.00	$13,770.00
Ref #73	**614E26400**	**WORK ZONE STOP LINE, CLASS I, 740.06, TYPE I, (24 FT)**	
	Awd	$14.00	$336.00
	2	$14.00	$336.00
	3	$14.00	$336.00
	4	$14.00	$336.00
Ref #74	**615E10000**	**ROADS FOR MAINTAINING TRAFFIC, (LUMP SUM)**	
	Awd	$6,853.00	$6,853.00
	2	$5,000.00	$5,000.00
	3	$10,000.00	$10,000.00
	4	$2,500.00	$2,500.00

Ref #75	**615E20000**	**PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, (145 SY)**	
	Awd	$147.00	$21,315.00
	2	$165.00	$23,925.00
	3	$125.00	$18,125.00
	4	$100.00	$14,500.00
Ref #76	**616E10000**	**WATER, (52 MGAL)**	
	Awd	$1.00	$52.00
	2	$10.00	$520.00
	3	$45.00	$2,340.00
	4	$1.00	$52.00
Ref #77	**622E41100**	**PORTABLE BARRIER, UNANCHORED, (1790 FT)**	
	Awd	$23.00	$41,170.00
	2	$22.35	$40,006.50
	3	$6.00	$10,740.00
	4	$22.50	$40,275.00
Ref #78	**622E41110**	**PORTABLE BARRIER, ANCHORED, (1630 FT)**	
	Awd	$27.00	$44,010.00
	2	$26.72	$43,553.60
	3	$41.00	$66,830.00
	4	$27.00	$44,010.00

Section 6 - MAINTENANCE OF TRAFFIC - Totals

Awd	**$153,882.00**
2	**$153,727.10**
3	**$150,247.00**
4	**$139,933.00**

Ref #79	**103E05000**	**PREMIUM FOR CONTRACT PERFORMANCE BOND AND FOR PAYM, (LUMP SUM)**	
	Awd	$14,000.00	$14,000.00
	2	$25,000.00	$25,000.00
	3	$20,000.00	$20,000.00
	4	$20,000.00	$20,000.00
Ref #80	**614E11000**	**MAINTAINING TRAFFIC, (LUMP SUM)**	
	Awd	$250,000.00	$250,000.00
	2	$70,000.00	$70,000.00
	3	$250,004.00	$250,004.00
	4	$140,000.00	$140,000.00
Ref #81	**619E16000**	**FIELD OFFICE, TYPE A, (5 MNTH)**	
	Awd	$1,800.00	$9,000.00
	2	$1,100.00	$5,500.00
	3	$5,500.00	$27,500.00
	4	$1,950.00	$9,750.00
Ref #82	**623E10000**	**CONSTRUCTION LAYOUT STAKES AND SURVEYING, (LUMP SUM)**	
	Awd	$50,000.00	$50,000.00
	2	$10,000.00	$10,000.00
	3	$50,000.00	$50,000.00
	4	$25,000.00	$25,000.00
Ref #83	**623E50000**	**PRECONSTRUCTION SURVEY MONUMENT VERIFICATION AND R, (LUMP SUM)**	
	Awd	$3,372.00	$3,372.00
	2	$10,000.00	$10,000.00
	3	$3,000.00	$3,000.00
	4	$1,600.00	$1,600.00

Ref #84	**623E51000**	**POST CONSTRUCTION SURVEY MONUMENT VERIFICATION AND, (LUMP SUM)**	
	Awd	$3,011.00	$3,011.00
	2	$10,000.00	$10,000.00
	3	$3,000.00	$3,000.00
	4	$1,600.00	$1,600.00
Ref #85	**624E10000**	**MOBILIZATION, (LUMP SUM)**	
	Awd	$90,000.00	$90,000.00
	2	$75,000.00	$75,000.00
	3	$130,000.00	$130,000.00
	4	$80,000.00	$80,000.00

Section 7 - INCIDENTALS - Totals

Awd	**$419,383.00**
2	**$205,500.00**
3	**$483,504.00**
4	**$277,950.00**

Reference # Listing for Project 250282

Let Date: 5/22/2025
PID # 119782
Federal MINOR RECONSTRUCTION
PIK - SR 124-14.96

Prime: ALLARD EXCAVATION LLC
59 HIGH STREET
SOUTH WEBSTER, OH 45682

Ref #	Bid Amt:	Item Code:		Work Type Required:		Prime Can Do This Work?
1	$30,000.00	201E11000	CLEARING AND GRUBBING	1	Clearing & Grubbing	Yes
2	$26,604.00	202E23000	PAVEMENT REMOVED	0	(No WT Req)	Yes
3	$1,560.00	202E35100	PIPE REMOVED, 24" DIAMETER AND UN	0	(No WT Req)	Yes
4	$1,364.00	202E38000	GUARDRAIL REMOVED	0	(No WT Req)	Yes
5	$366.00	202E75000	FENCE REMOVED	0	(No WT Req)	Yes
6	$37,620.00	203E10000	EXCAVATION	4	Roadway Excavation & Embankment C	Yes
7	$62,543.00	203E20000	EMBANKMENT	4	Roadway Excavation & Embankment C	Yes
8	$21,471.00	204E10000	SUBGRADE COMPACTION	4	Roadway Excavation & Embankment C	Yes
9	$51,016.00	204E13000	EXCAVATION OF SUBGRADE	4	Roadway Excavation & Embankment C	Yes
10	$82,303.00	204E20000	EMBANKMENT	4	Roadway Excavation & Embankment C	Yes
11	$8,300.00	204E30010	GRANULAR MATERIAL, TYPE B	4	Roadway Excavation & Embankment C	Yes
12	$1,052.00	204E45000	PROOF ROLLING	0	(No WT Req)	Yes
13	$4,150.00	606E15100	GUARDRAIL, TYPE MGS WITH LONG PO	36	Guardrail / Attenuators	Yes
14	$2,400.00	606E26150	ANCHOR ASSEMBLY, MGS TYPE E (MA	36	Guardrail / Attenuators	Yes
15	$12,306.00	623E38500	MONUMENT ASSEMBLY, TYPE C	0	(No WT Req)	Yes
16	$12,042.00	623E40520	RIGHT-OF-WAY MONUMENT, TYPE B	0	(No WT Req)	Yes
17	$120.00	690E50350	SPECIAL - MAILBOX REMOVED AND RE	0	(No WT Req)	Yes
18	$3,828.00	601E32104	ROCK CHANNEL PROTECTION, TYPE B	35	Drainage (Culverts, Misc.)	Yes
19	$36,372.00	659E00300	TOPSOIL	46	Landscaping	Yes
20	$8,138.75	659E10000	SEEDING AND MULCHING	46	Landscaping	Yes
21	$1,612.50	659E20000	COMMERCIAL FERTILIZER	46	Landscaping	Yes
22	$237.60	659E31000	LIME	46	Landscaping	Yes
23	$52.00	659E35000	WATER	46	Landscaping	Yes
24	$4,242.00	670E00500	SLOPE EROSION PROTECTION	46	Landscaping	Yes
25	$849.00	671E14000	EROSION CONTROL MAT	46	Landscaping	Yes
26	$3,011.00	832E15000	STORM WATER POLLUTION PREVENTI	0	(No WT Req)	Yes
27	$9,828.00	832E15002	STORM WATER POLLUTION PREVENTI	0	(No WT Req)	Yes
28	$9,755.00	832E15010	STORM WATER POLLUTION PREVENTI	0	(No WT Req)	Yes
29	$49,521.00	832E30000	EROSION CONTROL	8	Temporary Soil Erosion & Sediment Co	Yes
30	$88,500.00	503E11100	COFFERDAMS AND EXCAVATION BRACI	53	Piling	Yes
31	$4,446.00	503E21100	UNCLASSIFIED EXCAVATION	34	Earth Retaining Structures	Yes
32	$9,309.00	509E10000	EPOXY COATED STEEL REINFORCEME	23	Reinforcing Steel	Yes
33	$19,928.00	511E46010	CLASS QC1 CONCRETE, RETAINING/WI	35	Drainage (Culverts, Misc.)	Yes
34	$38,272.00	511E46510	CLASS QC1 CONCRETE, FOOTING	35	Drainage (Culverts, Misc.)	Yes
35	$1,204.00	511E46610	CLASS QC1 CONCRETE, HEADWALL	35	Drainage (Culverts, Misc.)	Yes
36	$1,200.00	512E10100	SEALING OF CONCRETE SURFACES (E	57	Sealing of Concrete Surfaces with Epox	Yes
37	$11,940.00	512E33000	TYPE 2 WATERPROOFING	40	Waterproofing	Yes
38	$78.00	516E13600	1" PREFORMED EXPANSION JOINT FILL	0	(No WT Req)	Yes
39	$852.00	518E21200	POROUS BACKFILL WITH GEOTEXTILE	35	Drainage (Culverts, Misc.)	Yes
40	$10,164.90	602E20000	CONCRETE MASONRY	35	Drainage (Culverts, Misc.)	Yes
41	$12,627.00	605E31100	AGGREGATE DRAINS	35	Drainage (Culverts, Misc.)	Yes
42	$2,700.00	611E01400	6" CONDUIT, TYPE E	35	Drainage (Culverts, Misc.)	Yes
43	$2,700.00	611E01500	6" CONDUIT, TYPE F	35	Drainage (Culverts, Misc.)	Yes
44	$2,970.00	611E04900	12" CONDUIT, TYPE D	35	Drainage (Culverts, Misc.)	Yes
45	$6,490.00	611E07900	18" CONDUIT, TYPE D (SEE SHEET	35	Drainage (Culverts, Misc.)	Yes
46	$7,440.00	611E10600	24" CONDUIT, TYPE C (SEE SHEET	35	Drainage (Culverts, Misc.)	Yes
47	$27,778.00	611E20700	48" CONDUIT, TYPE A (SEE SHEET	35	Drainage (Culverts, Misc.)	Yes
48	$146,200.00	611E94800	8' X 4' CONDUIT, TYPE A, 706.05	35	Drainage (Culverts, Misc.)	Yes
49	$7,650.00	254E01000	PAVEMENT PLANING, ASPHALT CONCR	13	Pavement Planing, Milling, Scarification	Yes
50	$285,855.00	301E56000	ASPHALT CONCRETE BASE, PG64-22, (4	10	Flexible Paving	Yes
51	$73,505.00	304E20000	AGGREGATE BASE	9	Aggregate Bases	Yes

Reference # Listing for Project 250282

52	$2,830.00	407E10000	TACK COAT	10	Flexible Paving		Yes
53	$1,400.00	410E12000	TRAFFIC COMPACTED SURFACE, TYPE	0	(No WT Req)		Yes
54	$855.00	410E13000	TRAFFIC COMPACTED SURFACE, TYPE	0	(No WT Req)		Yes
55	$114,165.00	441E70000	ASPHALT CONCRETE SURFACE COURS	10	Flexible Paving		Yes
56	$3,800.00	621E00100	RPM	41	Raised Pavement Markers	»	No
57	$228.00	621E54000	RAISED PAVEMENT MARKER REMOVED	0	(No WT Req)		Yes
58	$30.00	626E00112	BARRIER REFLECTOR, TYPE 3 (BI-DIRE	0	(No WT Req)		Yes
59	$119.00	630E02100	GROUND MOUNTED SUPPORT, NO. 2 P	42	Signing		Yes
60	$180.00	630E03100	GROUND MOUNTED SUPPORT, NO. 3 P	42	Signing		Yes
61	$300.00	630E80100	SIGN, FLAT SHEET	42	Signing		Yes
62	$300.00	630E84900	REMOVAL OF GROUND MOUNTED SIGN	0	(No WT Req)		Yes
63	$60.00	630E85100	REMOVAL OF GROUND MOUNTED SIGN	42	Signing		Yes
64	$300.00	630E86002	REMOVAL OF GROUND MOUNTED POS	0	(No WT Req)		Yes
65	$1,185.00	642E00104	EDGE LINE, 6", TYPE 1	45	Pavement Markings		Yes
66	$1,022.25	642E00300	CENTER LINE, TYPE 1	45	Pavement Markings		Yes
67	$1,360.00	614E11110	LAW ENFORCEMENT OFFICER WITH PA	39	Maintenance of Traffic		Yes
68	$20,080.00	614E12384	WORK ZONE IMPACT ATTENUATOR, 24"	39	Maintenance of Traffic		Yes
69	$2,190.00	614E13310	BARRIER REFLECTOR, TYPE 1 (BI-DIRE	0	(No WT Req)		Yes
70	$250.00	614E13314	BARRIER REFLECTOR, TYPE 3 (BI-DIRE	0	(No WT Req)		Yes
71	$2,496.00	614E13360	OBJECT MARKER, TWO WAY	0	(No WT Req)		Yes
72	$13,770.00	614E22210	WORK ZONE EDGE LINE, CLASS I, 6", 74	39	Maintenance of Traffic		Yes
73	$336.00	614E26400	WORK ZONE STOP LINE, CLASS I, 740.0	39	Maintenance of Traffic		Yes
74	$6,853.00	615E10000	ROADS FOR MAINTAINING TRAFFIC	10	Flexible Paving		Yes
75	$21,315.00	615E20000	PAVEMENT FOR MAINTAINING TRAFFIC	10	Flexible Paving		Yes
76	$52.00	616E10000	WATER	0	(No WT Req)		Yes
77	$41,170.00	622E41100	PORTABLE BARRIER, UNANCHORED	39	Maintenance of Traffic		Yes
78	$44,010.00	622E41110	PORTABLE BARRIER, ANCHORED	39	Maintenance of Traffic		Yes
79	$14,000.00	103E05000	PREMIUM FOR CONTRACT PERFORMA	0	(No WT Req)		Yes
80	$250,000.00	614E11000	MAINTAINING TRAFFIC	39	Maintenance of Traffic		Yes
81	$9,000.00	619E16000	FIELD OFFICE, TYPE A	0	(No WT Req)		Yes
82	$50,000.00	623E10000	CONSTRUCTION LAYOUT STAKES AND	0	(No WT Req)		Yes
83	$3,372.00	623E50000	PRECONSTRUCTION SURVEY MONUME	0	(No WT Req)		Yes
84	$3,011.00	623E51000	POST CONSTRUCTION SURVEY MONU	0	(No WT Req)		Yes
85	$90,000.00	624E10000	MOBILIZATION	0	(No WT Req)		Yes

$1,944,512.00 Total Prime is not Pre-Qual for: $3,800.00 0.20%

OHIO DEPARTMENT OF TRANSPORTATION
OFFICE OF CONSTRUCTION ADMINISTRATION

List of Subs for Project 250282

Sub Nbr	Sub Name	Total Sub d	Parent Sub Nbr	Sub Appr	Work Start	Exec	Work Stop	Prog Type
00000001	Garcia Surveyors, Inc	$32,400.00		6/17/2025		6/10/2025		DBE-NG
00000002	Follow the River Designs, LLC	$73,170.75		6/25/2025		6/10/2025		DBE
00000003	Mid Atlantic Maintenance, Inc.	$34,699.25		6/25/2025		6/10/2025		DBE
00000004	NATIVE CONSTRUCTION LLC	$14,890.00		7/11/2025		6/10/2025		DBE
00000005	A & A SAFETY INC	$103,636.90		6/17/2025		6/10/2025		
00000006	BOCA CONSTRUCTION INC	$13,080.30		6/17/2025		6/10/2025		
00000007	J & L CONSTRUCTION SERVICES INC	$168,500.00		6/17/2025		6/10/2025		
00000008	SHELLY COMPANY	$435,500.00		6/17/2025		6/10/2025		
00000009	Beagle Hill Services LLC	$11,631.80		6/20/2025		6/10/2025		DBE
00000010	Spartan Construction Incorporated	$3,821.40		6/20/2025		6/10/2025		DBE

Department of Transportation
transportation.ohio.gov

Mike DeWine, *Governor*
Pamela Boratyn, *Director*

4/17/2025

Project 250282 **Addendum No. 1**
PID No. 119782
PIK-124-14.96
MINOR RECONSTRUCTION
Letting: May 22, 2025

Notice to all Bidders and Suppliers to please be advised of the attached Proposal Addendum.

For internet access to information referenced in this addendum, please see the ODOT web site at: https://ftp.dot.state.oh.us/pub/Contracts/Attach/PIK-119782/

The Department utilizes Bid Express (http://www.bidx.com) as the official medium for electronic bid submittal. All bidders must prepare bids and submit them online via Bid Express using AASHTOWare Project Bids software.

Addenda amendments must be acknowledged in the miscellaneous section of the Project Bids file and all amendments loaded in order for your bid to be considered for award of this project. Bid express will not accept bids that do not have amendments incorporated. Failure to incorporate changed quantities or items in your Project Bids submissions will result in the rejection of your bid.

PROPOSAL ADDENDUM
FOR
PROJECT: 250282 **|** **CRS:** PIK-124-14.96 **|** **PID:** 119782

MODIFICATIONS

REVISED COMPLETION DATE	No
REPLACE/ADD PLAN SHEETS	1

ADDED NOTES

The waterway permit has been added to the project.

SPECIAL PROVISIONS

WATERWAY PERMITS CONDITIONS

C-R-S: PIK-124-14.96

PID: 119782

Date: 04/08/2025

1. Waterway Permits Time Restrictions:

Regional General Permit (RGP), Section B (Maintenance) is authorized for PIK-124-14.96, PID: 119782. A copy of the RGP and OEPA authorization letter (OEPA ID: 251540P) shall be kept at the work site at all times and made available to all contractors and subcontractors. The permit is effective starting: April 8, 2025. The permit expires: February 11, 2030.

For authorized work in aquatic resources (including streams, wetlands, jurisdictional ditches, captured streams, lakes, ponds), the Department will consider the Contractor's submission of a reauthorization to the waterway permit expiration date based on project constraints. If more than one permit is authorized for the project, then all permits become invalid once the first permit expires. In order for the request to be considered, the Contractor must submit a justification to the Engineer at least 90 days prior to the waterway permit expiration date. The Engineer will submit the request for a time extension to the Ohio Department of Transportation, Office of Environmental Services, Waterway Permits Unit (ODOT-OES-WPU) for consideration and coordination with the U.S. Army Corps of Engineers (USACE), Ohio Environmental Protection Agency (OEPA), U.S. Coast Guard (USCG), U.S. Fish and Wildlife Service (USFWS), and Ohio Department of Natural Resources (ODNR) as appropriate.

2. Deviations From Permitted Construction Activities:

No deviation from the requirements for work in aquatic resources depicted in the plans, Special Provisions, and/or Working Drawings may be made unless a modification has been submitted to ODOT-OES-WPU and approved by the appropriate agencies (i.e., USACE, OEPA, USCG, ODNR, and USFWS).

NOTE: Plan sheets submitted with the OEPA Notification were approved by the OEPA in accordance with NWP 3 and are included in these Special Provisions.

For emergency situations resulting in unanticipated impacts to aquatic resources, provide notification (verbal or written) to the Engineer as soon as possible following discovery of the situation. Written notification to the Engineer and notification to the ODOT-OES-WPU (614-466-2159) must be made within 24 hours.

For non-emergency situations, notify the Engineer in writing for submission to the ODOT-OES-WPU (614-466-2159) for consideration and coordination with the appropriate agencies. Notification must be made at least 90 days prior to planned, non-permitted activities. Consideration of the requested deviation is at the discretion of the Director and must be coordinated with the appropriate regulatory agencies.

3. In-Stream Work Restrictions:

Work in the following aquatic resources is further restricted as follows:

Stream Name /Description	Location	Work restriction dates (No in-stream work permitted)
UNT of Sunfish Creek #2	STA 35+44.80	None

UNT = unnamed tributary stream

In-stream work has been defined as the placement and/or removal of fill materials (temporary or permanent) below ordinary high water of a stream. Examples of "fill" include, but are not limited to: bridge piers, abutments, culverts, rock channel protection, scour protection, and temporary access fills.

Fills placed within a stream identified in the above table (outside of the work restriction dates) can continue to be worked from during the work restriction dates, but cannot be expanded, removed, or otherwise modified (below ordinary high water) until once again outside of the work restriction dates.

4. Materials:

Materials utilized in or adjacent to aquatic resources for temporary or permanent fill or bank protection shall consist of suitable material free from toxic contaminants in other than trace quantities. Asphalt products are specifically excluded for use as fill. Chromated Copper Arsenate (CCA), creosote, and other pressure treated lumber shall not be used in structures that are placed in aquatic resources.

5. Cultural Resources:

Per CMS 107.10, if archeological sites, historical sites, or human remains are discovered, cease all work in the immediate area and notify the Engineer who will immediately contact the ODOT-District Environmental Coordinator and ODOT-OES-Cultural Resource Section at 614-466-2159. In the event of human remains are identified by OES-Cultural Resources Section, the Engineer shall also contact the Pike County Sheriff's Office at 740-947-2111.

6. Aquatic Resource Demarcation:

The tables attached (Table 1 and Table 2) include detailed fill quantities authorized within the aquatic resources. Aquatic resources not authorized for impact by these Special Provisions shall be demarcated in the field as per SS 832 prior to site disturbance. The fence shall remain in place and be maintained throughout the construction process. Following the completion of the project, the fence and posts shall be removed.

7. Spill containment:

Provide and Maintain an Oil Spill Kit with a minimum capacity of 65 gallons. The Spill Kit shall contain:

- 6 - 3 in. X 8 ft. oil only socks
- 4 - 18 in. X18 in. oil only pillows
- 2 - 5 in. X 10ft. booms
- 50 - 16in. X 20 in. oil only pads
- 10 - disposable bags
- 1 - 65 gallon drum with lid
- 25 pounds of granular oil absorbent

The Oil Spill Kit shall be located within 150 feet of any equipment working in a stream or wetland. The oil Spill Kit shall be maintained for the life of the contract. Any materials utilized during the project will be replaced within 48 hours. All costs associated with furnishing and maintaining the above referenced spill containment kit are incidental to work.

8. Blasting:

State law requires notification to the Ohio Department of Natural Resources should blasting be required within or near stream channels (See ORC 1533.58 & CMS 107.09). Notify the Engineer, in writing, a minimum of 30 days in advance of blasting, for submission to ODOT-OES-WPU (614-466-2159) for coordination with ODNR.

9. Project Inspection:

Inspection of Work may include inspection by representatives of other government agencies or railroad corporations that pay a portion of the cost of the Work or regulate the Work through State and Federal law. Comments from the representatives of these agencies shall be directed to the Engineer who will immediately contact the ODOT-District Environmental Coordinator and ODOT-OES-WPU at 614-466-2159.

10. Temporary Access Fills:

Definitions:

Hydraulic Opening
The cross-sectional area allowing an unimpeded discharge equal to twice the highest monthly flow without producing a rise in the backwater above the Ordinary High Water Mark (OHWM).

Standard Temporary Discharge
Discharge equal to twice the *highest monthly flow* without producing a rise in the backwater above the OHWM. The U.S. Geologic Service publication "Techniques for estimating Selected Streamflow Characteristics of Rural Unregulated Streams in Ohio" provides equations that estimate monthly flow for Ohio Waterways These flows are also available in a web application by USGS StreamStats, (https://water.usgs.gov/osw/streamstats/ohio.html). The highest monthly flow is the highest monthly mean discharge occurring in a 12-month period from January to December.

Average Monthly Flow
The average monthly flow represents the estimated "normal" flow.

Temporary Access Fills (TAFs)
Include, but are not limited to, dewatering fills, causeways, cofferdams, access pads, temporary bridges, etc. below the OHWM.

Requirements
21 calendar days prior to the initiation of any in-stream work, provide the Engineer with Working Drawings that include:

- Plan view drawing (50 scale or less) showing the location of all TAFs proposed for use on the project.
- Scaled cross section and profile drawing showing the OHWM and the proposed hydraulic opening.
- Identify the minimum diameter size, placement location and thickness of non-erodible Dumped Rock Fill material on the plan and profile.
- Calculations analyzing the hydraulic impacts of the TAF on the waterway. Include in the calculations an analysis of the hydraulic opening sized adequately to pass the Standard Temporary Discharge without producing a rise in backwater above the OHWM. Include, in the analysis, calculated channel velocities adjacent to the TAF, culvert exit velocities, calculated headwater and tailwater elevations, and any additional appropriate calculations to assess potential impacts to the waterway during normal and anticipated high flow (twice the highest monthly flow) events.
- A description of all temporary material to be placed below the OHWM elevation.
- A description of the installation and staging of all temporary fill over the life of the contract.
- Identify the protection methods and/or structural Best Management Practices for minimizing impacts to the waterway.

- Volume of temporary fill below the OHWM elevation.
- A description of the diversion ditches, equipment, conduits or means for maintaining normal flows in the waterway.
- A description of the removal of all temporary fill and restoration of the channel and all areas impacted by the TAFs.
- A schedule outlining the timing of the placement and removal of all temporary fill.
- Have competent individuals prepare and check the Working Drawings and hydraulic calculations. Provide a cover sheet containing the preparer(s) and checker(s): First Name, Last Name and Initials. The preparer(s) and checker(s) shall not be the same individual. Have an Ohio Registered Engineer review, approve, sign, seal and date the Working Drawings and hydraulic calculations according to ORC 4733 and OAC 4733-35. Include the following statement on the Working Drawings:

  "These Working Drawings were prepared in compliance with the terms of these Special Provisions and all contract documents."

Do not begin in-stream work until the Engineer has accepted the Working Drawings and hydraulic calculations.

The design and construction of the Contractor's TAF must minimize impacts to water bodies, stream banks, stream beds, and riparian zones to the maximum extent practicable.

Fording of waterways and other aquatic resources is prohibited.

Construct TAFs in such a manner that will maintain flows, minimize upstream flooding, and avoid overtopping the TAF on a regular basis. ***TAFs shall be designed and constructed so that the hydraulic opening provides capacity for a discharge equal to twice the highest monthly flow without producing a rise in the backwater above the (OHWM).***

If the Contractor proposes a TAF which does not meet all the requirements of these Special Provisions, the Contractor must submit a request in writing for a modified TAF to the Engineer. The request must include all Working Drawings and hydraulic calculations required by these Special Provisions. The Department makes no guarantee to grant the request. The Contractor's proposed TAF request will be coordinated by OES with the USACE and the OEPA, as appropriate. The time frame allowed for the coordination of the contractor's proposed TAF will be a minimum of 60 days.

Installation of any temporary fill without appropriate authorization is strictly prohibited. All direct coordination with the USACE and/or OEPA will be performed through OES.

TAFs Construction and Payment

Begin planning and installing causeways and access fills as early in construction as possible to avoid conflicts with these Special Provisions or other environmental commitments that have been included in the construction plans.

TAFs in Streams and Rivers may include, but are not limited to, causeways, cofferdams, access pads, sheet piling, temporary bridges, etc. The Contractor must make every attempt to minimize disturbance to waterbodies, stream banks, stream beds and riparian zones during the construction, maintenance, and removal of the TAF. Construct the TAFs as narrow as practical. Install in-stream conduits parallel to the stream banks. Make the TAFs in shallow areas rather than deep pools where possible. Minimize clearing, grubbing, and excavation of stream banks, and approach sections. Construct the TAFs as to not cause erosion or allow sediment deposits in the waterway.

Prior to the initiation of any in-stream work, establish a monument upstream of the proposed TAF to visually monitor the water elevation in the waterway where the fill is permitted. Maintain the monument throughout the project. Provide a visual mark on the monument that identifies the elevation 1 foot above the OHWM. Ensure that the monument can be read from the bank of the waterway. Have this elevation set and certified by an Ohio Registered Surveyor. All costs associated with furnishing and maintaining the above referenced monument is incidental to the work.

Should the surface water elevation exceed the elevation 1 foot above OHWM, the Department will compensate the Contractor for repair of any resulting damage to the TAF up to the elevation of 1 foot above the OHWM, except as noted. The Department will recognize this event as an excusable, non-compensable delay in accordance with Section 108.06 B. of the Construction & Materials Specifications.

Follow the requirements in Item 502 for Structures for Maintaining Traffic and in Item 503 for Cofferdams and Excavation Bracing and any modifications to these items as shown in the plans. The Department will not pay for repair and maintenance of TAFs associated with Items 502 and 503 as a result of surface water elevation exceeding 1 foot above the OHWM. Compensation for damages associated with waterway flows will be provided as described in Items 502 and 503.

Construct the TAFs, not including Items 502 and 503, to a water elevation at least 1 foot (0.3 m) above the OHWM. If more than one-third the width of the stream is filled, then use culvert pipes to allow the movement of aquatic life. Ensure that any ponding of water behind the TAF will not damage property, flood roadways, or threaten human health and safety.

The following minimum requirements apply to TAFs where culverts are used:

A. Furnish culverts on the existing stream bottom.
B. Avoid a drop in water elevation at the downstream end of the culvert that would result in an adverse impact to the waterway.
C. Furnish a sufficient number of culverts in addition to stream openings to provide a discharge equal to twice the highest monthly flow without producing a rise in the backwater above the OHWM.
D. Furnish culverts with a minimum diameter of 18 inches (0.5 m).

All TAFs must be constructed of suitable materials. Causeways and access fills must be encapsulated with clean, non-erodible, nontoxic Dumped Rock Fill, Type A, B, C, or D, meeting the requirements of C&MS 703.19.B. Utilize appropriately sized Dumped Rock Fill determined by the Contractor's engineer for encapsulating the sides of the TAF. Encapsulate all sides of the TAF with the non-erodible material. For causeways, contractors may use clean aggregate meeting C&MS 703.01 Size Number 1 and 2 for creating a working surface above the OHWM. Extend the non-erodible encapsulating material to at least the elevation of the top of the working surface. Extend clean aggregate up the slope from the original stream bank for 50 feet (10 m) to remove erodible material and prevent tracking from equipment onto the TAF.

When the work requiring TAF is complete, all portions of the TAF (including all rock and culverts) will be removed in its entirety. Do not dispose of TAF material in other aquatic resources or where erosion into another aquatic resource is possible. The stream bottom affected by the TAFs will be restored to its pre-construction elevations. The TAFs will not be paid as a separate item but will be included by the Contractor as part of the total project cost.

Unless specific TAF compensation is included in the plans, all environmental protection and control associated with the authorized activities are incidental to the work within the boundaries of the aquatic resources.

11. Excavation Activities:

Excavated material will be placed at an upland site and disposed of in such a manner that sediment and runoff to streams and other aquatic resources is controlled and minimized. Additionally, no more than incidental fallback into aquatic resources is permitted during the excavation process. If any changes to the proposed work are deemed necessary, notify the Engineer who will immediately contact the ODOT-District Environmental Coordinator and ODOT-OES-WPU at 614-466-2159.

12. Demolition Debris:

The intentional discharge of demolition debris from any structure (including but not limited to bridges, culverts, abutments, wing walls, piers) is not authorized for this project. If any demolition debris inadvertently falls into aquatic resources, it must be removed immediately. Notify the Engineer immediately in writing of any inadvertent fill discharged into aquatic resources. The Engineer will immediately contact ODOT-OES-WPU at 614-466-2159 if any unintentional discharge occurs.

Version: July 2020

TABLE 1. STREAM DISCHARGE AND FILL QUANTITIES

Stream	Station	Description of Impacts	Length (LF)	Width (LF)	Depth (LF)	Existing Culvert	Culvert Overlap	Permanent Fill Below OHWM												Total Permanent Fill			Total Temporary Fill			Total Impact Length
								Proposed Concrete (Includes Culvert, Piers, Walls, Abutments, etc.)			Proposed RCP			Proposed Earthen, Granular, or Embankment Fill			Proposed Other (Steel, Etc.)									
						Length (LF)	Length (LF)	Length (LF)	Area (AC)	Volume (CY)	Length (LF)	Area (AC)	Volume (CY)	Length (LF)	Area (AC)	Volume (CY)	Length (LF)	Area (AC)	Volume (CY)	Length (LF)	Area (AC)	Volume (CY)	Length (LF)	Area (AC)	Volume (CY)	Length (LF)
UNT of Sunfish Creek #2	STA 35+44.80	Culvert Replacement - Grading, RCP, and TAF.	120	3	0.21	42	42	89	0.0217	39	26	0.005	18	21	0.015	100	N/A	N/A	N/A	115	0.028	157	30	0.006	5	115
					SUM:	42	42	89	0.0217	39	26	0.005	18	21	0.015	100	N/A	N/A	N/A	115	0.028	157	30	0.006	5	115

LF = linear feet; AC = acres; CY = cubic yards; RCP = rock channel protection or the like (specify if different, i.e.. concrete block matting); NA = Not Applicable

TABLE 2. WETLAND DISCHARGE AND FILL QUANTITIES

Wetland	Station	Description of Impacts	Acreage (AC)	Depth (LF)	Permanent Fill Within Wetland Boundary								Total Permanent Fill		Total Temporary Fill		Total Impact Acreage
					Proposed Concrete (Includes Culvert, Piers, Walls, Abutments, etc.)		Proposed RCP		Proposed Earthen, Granular, or Embankment Fill		Proposed Other (Steel, Etc.)						
					Area (AC)	Volume (CY)	Area (AC)	Volume (CY)	Area (AC)	Volume (CY)	Area (AC)	Volume (CY)	Area (AC)	Volume (CY)	Area (AC)	Volume (CY)	Area (AC)
Wetland A	STA 39+94.00	Culvert Replacement - Grading, RCP, and TAF.	0.381	1	N/A	N/A	0.014	27	0.377	640	N/A	N/A	0.381	667	N/A	N/A	0.381
				SUM:	N/A	N/A	0.014	27	0.377	640	N/A	N/A	0.381	667	N/A	N/A	0.381

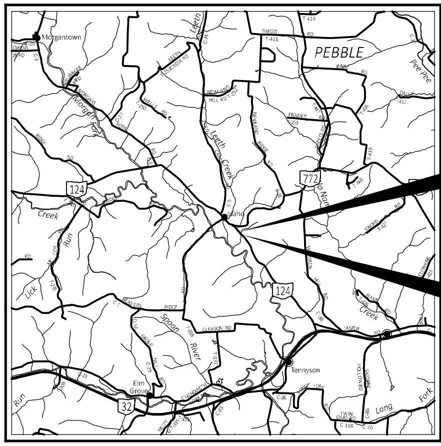
LF = linear feet; AC = acres; CY = cubic yards; RCP = rock channel protection or the like (specify if different, i.e.. concrete block matting); N/A = Not Applicable

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

PIK-124-14.96

NEWTON TOWNSHIP

PIKE COUNTY



BEGIN PROJECT
STA. 30+25.00
SLM 14.96

END PROJECT
STA. 45+75.00
SLM 15.25

LOCATION MAP

LATITUDE: 39°05'03"N LONGITUDE: 83°08'13"W

N

PORTION TO BE IMPROVED
INTERSTATE HIGHWAY
FEDERAL ROUTES
STATE ROUTES
COUNTY & TOWNSHIP ROADS
OTHER ROADS

DESIGN DESIGNATION

CURRENT ADT (2025)	3500
DESIGN YEAR ADT (2045)	4400
DESIGN HOURLY VOLUME (2045)	550
DIRECTIONAL DISTRIBUTION	58.5 %
TRUCKS (24 HOUR B&C)	16
DESIGN SPEED	60
LEGAL SPEED	55
DESIGN FUNCTIONAL CLASSIFICATION: RURAL MAJOR COLLECTOR	
NHS PROJECT	NO

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig
OHIO811.org
Before You Dig
OHIO811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)

PLAN PREPARED BY:
BG ENGINEERING GROUP, LLC
5960 WILCOX PLACE, SUITE C
DUBLIN, OHIO 43016

INDEX OF SHEETS:

FEDERAL PROJECT NUMBER

E230866

RAILROAD INVOLVEMENT

N/A

PROJECT DESCRIPTION

THE PROPOSED PROJECT WILL ADDRESS FLOODING AT S.R. 124 IN PIKE COUNTY. IMPROVEMENTS INCLUDE THE REPLACEMENT OF TWO ROADWAY CULVERTS, VERTICAL PROFILE REVISIONS, AND DRIVEWAY RECONSTRUCTION DUE TO VERTICAL PROFILE REVISIONS.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	3.57 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.55 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	4.12 ACRES

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

Michael G. Dombrowski
District 09 Deputy Director

Pamela Boratyn
Director, Department of Transportation

STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS
BP-3.1	1-19-24	MT-96.11	7-21-23			800-2023	7-19-24	
BP-4.1	7-19-13	MT-96.20	7-21-23			832	7-19-24	
		MT-96.26	1-18-19			873	4-16-21	
DM-1.1	7-17-20	MT-101.70	4-21-23			902	7-19-19	
DM-4.3	1-15-16	MT-101.75	7-21-23			961	4-17-20	
DM-4.4	1-15-16	MT-101.90	7-17-20					
		MT-105.10	1-17-20					
HW-2.1	7-15-22							
HW-2.2	7-20-18	TC-41.20	10-18-13					
		TC-42.20	10-18-13					
MGS-1.1	7-16-21	TC-52.10	10-18-13					
MGS-2.1	1-19-18	TC-52.20	1-15-21					
MGS-5.3	7-15-16	TC-61.30	7-19-24					
		TC-65.10	1-17-14					
RM-1.1	1-20-23	TC-65.11	1-19-24					
RM-4.2	7-19-24							

ENGINEER'S SEAL
ROADWAY
STATE OF OHIO
GREGORY T. BOYER
E-54301
REGISTERED
PROFESSIONAL ENGINEER

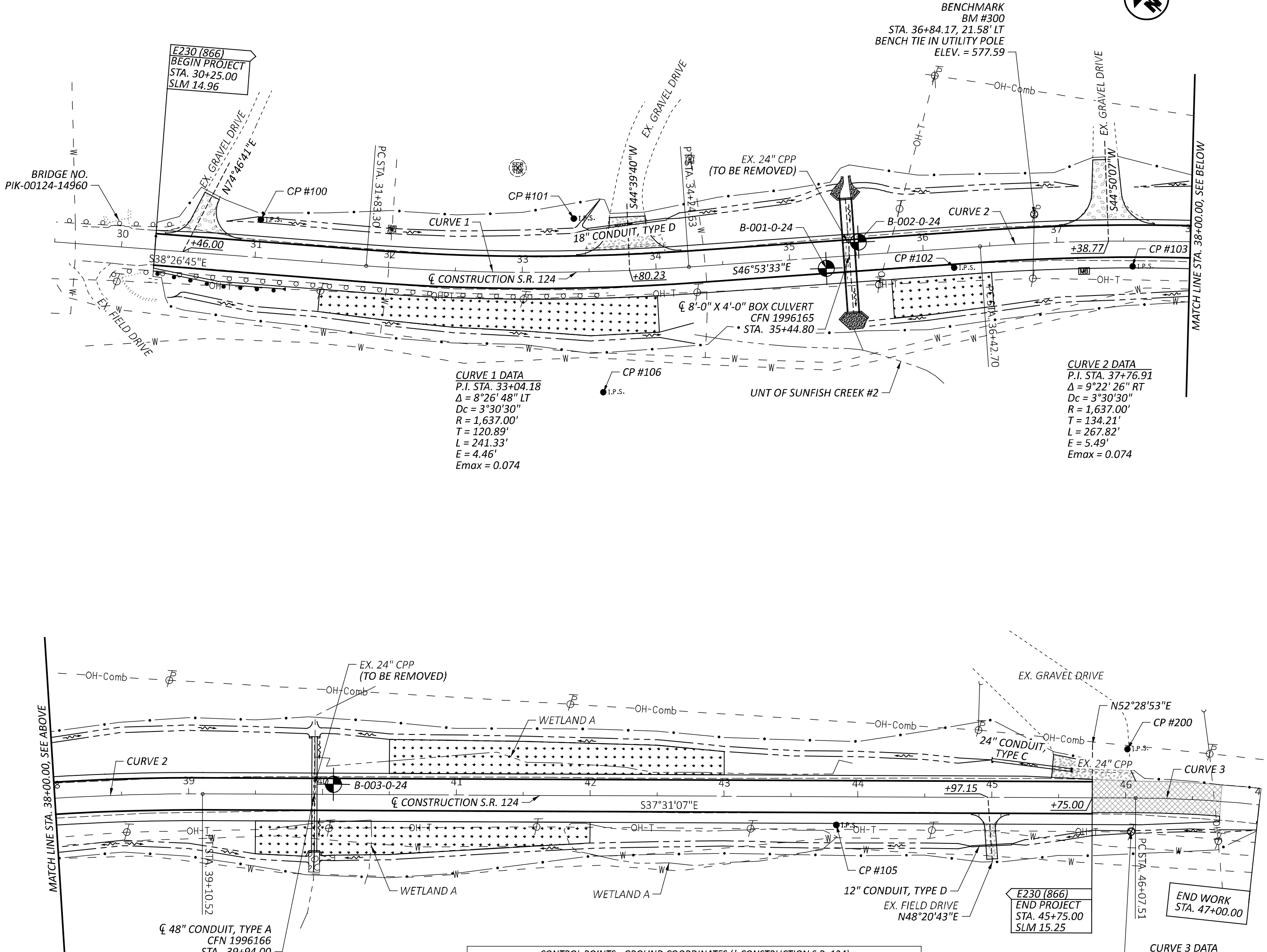
TITLE SHEET

DESIGN AGENCY
BG
www.bgenggroup.com
5960 WILCOX PLACE, SUITE C
DUBLIN, OHIO 43016

DESIGNER	LA
REVIEWER	RG 11/07/24
PROJECT ID	119782
SHEET	P.1
TOTAL	53

NOTES:

1. THERE ARE NO EXISTING LANDSCAPED AREAS WITHIN THE WORK LIMITS.



CURVE 2 DATA
P.I. STA. 37+76.91
Δ = 9°22' 26" RT
Dc = 3°30'30"
R = 1,637.00'
T = 134.21'
L = 267.82'
E = 5.49'
Emax = 0.074

RESURFACING

VEGETATED FILTER STRIP

CONTROL POINTS - GROUND COORDINATES (℄ CONSTRUCTION S.R. 124)

CONTROL POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP #100	31+02.22	28.39' LT	395874.569	1787565.129	579.53	⅝" REBAR & CAP
CP #101	33+39.28	39.94' LT	395703.706	1787724.756	578.07	⅝" REBAR & CAP
CP #106	33+57.92	90.17' RT	395599.413	1787644.745	574.72	⅝" REBAR & CAP
CP #102	36+22.21	14.36' RT	395470.603	1787891.190	575.32	⅝" REBAR & CAP
CP #103	37+56.69	18.91' RT	395373.484	1787982.554	576.39	⅝" REBAR & CAP
CP #105	43+84.00	21.06' RT	394880.497	1788367.337	577.70	⅝" REBAR & CAP
CP #200	46+01.19	36.42' LT	394743.290	1788545.201	589.78	⅝" REBAR & CAP

BENCHMARK
BM #100
STA. 46+04.29, 24.97' RT
BENCH TIE IN TELEPHONE POLE
ELEV. = 589.88

CURVE 3 DATA
P.I. = STA. 47+67.11
Δ = 20°06'45" RT
Dc = 06°21'58"
R = 900.00'
T = 159.6'
L = 315.93'
E = 14.04'

HORIZONTAL SCALE IN FEET
0 20 40 80

SCHEMATIC PLAN
S.R. 124

DESIGN AGENCY
BG
www.bgengroup.com
5960 WILCOX PLACE, SUITE C
DUBLIN, OHIO 43016

DESIGNER LA
REVIEWER RG 11/07/24
PROJECT ID 119782
SHEET P.2 TOTAL 53

PIK-124-14.96

MODEL: GB001 PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 10:32:16 AM USER: jperchinske
P:\Transportation\WorkSets\117406_VAR-D09 Genl Eng Servs FY 23-24\404-Engineering_PIK-124-1500\Roadway\Sheets\119782_GB001.dgn

GENERAL NOTES

ROUNDING
THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS, EVEN THOUGH OTHERWISE SHOWN.

UTILITIES
LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN OR ADJACENT TO THE PROJECT CONSTRUCTION LIMITS, TOGETHER WITH THEIR RESPECTIVE OWNERS.

AMERICAN ELECTRIC POWER (DISTRIBUTION)
38831 STATE ROUTE 7
REEDSVILLE, OHIO 45772
MR. CLARKE SAUNDERS
740-985-3054

CHARTER COMMUNICATIONS
32 ENTERPRISE DRIVE
CHILICOTHE, OHIO 45601
AARON KEMPTON
740-648-3091

FRONTIER COMMUNICATIONS
1315 ALBERT STREET
PORTSMOUTH, OHIO 45662
MS. DENA MARTIN
740-354-0521

PIKE WATER, INC.
P.O. BOX 191
WAVERLY, OHIO 45690
MR. FARON YOUNG
740-947-2524

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

EXISTING PLANS
EXISTING PLANS ENTITLED PIK-104-(0.00-3.62) MAY BE INSPECTED IN THE ODOT DISTRICT 9 OFFICE IN CHILLICOTHE, OH.

SURVEYING PARAMETERS
PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE THIS SHEET FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD: ODOT VRS
MONUMENT TYPE: TYPE B
VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: GEOID 18

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83 (2011)
ELLIPSOID: GRS80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLANE, SOUTH ZONE
COMBINED SCALE FACTOR: 1.00007273
ORIGIN OF COORDINATE SYSTEM: 0, 0

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

CLEARING AND GRUBBING
THE DEPARTMENT HAS NOT MARKED INDIVIDUAL TREES AND STUMPS FOR REMOVAL. UNLESS SPECIFICALLY DESIGNATED AS "DO NOT DISTURB" IN THE PLANS, REMOVE ALL TREES AND STUMPS WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR ITEM 201 CLEARING AND GRUBBING.

WORK LIMITS
THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

ITEM 204 - PROOF ROLLING
THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING.

ITEM 204 - PROOF ROLLING 4 HOUR

CONNECTION BETWEEN EXISTING AND PROPOSED GUARDRAIL
WHEN IT IS NECESSARY TO SPLICE PROPOSED GUARDRAIL TO EXISTING GUARDRAIL, ONLY THE EXISTING GUARDRAIL SHALL BE CUT, DRILLED, OR PUNCHED. THE CONNECTION SHALL BE MADE USING A W-BEAM, BEAM SPLICE AS SHOWN IN AASHTO M 180-12, EXCEPT THE BEAM WASHERS ARE NOT TO BE USED. PAYMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RESPECTIVE GUARDRAIL ITEMS.

ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E
THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE GUARDRAIL END TERMINALS FOR TYPE MGS GUARDRAIL AS LISTED ON ROADWAY ENGINEERING'S WEB PAGE UNDER ROADSIDE SAFETY DEVICES FOR APPROVED GUARDRAIL END TREATMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH A SHEET OF TYPE G REFLECTIVE SHEETING, PER CMS 730.19.

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE E, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALL RELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

SEEDING AND MULCHING
THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659, TOPSOIL	1063 CU. YD.
659, SEEDING AND MULCHING	9575 SQ. YD.
659, COMMERCIAL FERTILIZER	1.29 TON
659, LIME	1.98 ACRES
659, WATER	52 M. GAL.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

ENDANGERED BAT HABITAT
ENSURE IMPACTS TO THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT AND THE STATE LISTED AND PROTECTED LITTLE BROWN BAT AND TRICOLORED BAT ARE AVOIDED AND MINIMIZED. DO NOT REMOVE TREES FROM APRIL 1 THROUGH SEPTEMBER 30. PERFORM ALL NECESSARY TREE REMOVAL FROM OCTOBER 1 THROUGH MARCH 31. DEMARCATE CLEARING LIMITS IN THE FIELD TO AVOID ANY UNAUTHORIZED TREE CLEARING. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

POST CONSTRUCTION STORM WATER TREATMENT
THIS PLAN UTILIZES STRUCTURAL BEST MANAGEMENT PRACTICES (BMP'S) FOR POST CONSTRUCTION STORM WATER TREATMENT.

VEGETATED FILTER STRIP
THIS PLAN UTILIZES VEGETATED FILTER STRIP(S) FOR POST CONSTRUCTION STORM WATER TREATMENT. PLACE EITHER ITEM 660 SODDING OR ITEM 659 SEEDING AND MULCHING WITH A 4-INCH LIFT OF TOPSOIL AND ITEM 670, SLOPE EROSION PROTECTION TO ALL DISTURBED AREAS DESIGNATED AS VEGETATED FILTER STRIPS, THE EDGE OF SHOULDER, AND THE FORESLOPE AS SPECIFIED IN THE PLANS.

ITEM 605 - AGGREGATE DRAINS
AGGREGATE DRAINS SHALL BE PLACED AT 50 FOOT INTERVALS ON EACH SIDE OF NORMAL CROWNED SECTIONS, STAGGERED SO THAT EACH DRAIN IS 25 FEET FROM THE ADJACENT DRAIN ON THE OPPOSITE SIDE, AND AT 25 FOOT INTERVALS ON THE LOW SIDE ONLY OF SUPERELEVATED SECTIONS. AN AGGREGATE DRAIN SHALL BE PLACED AT THE LOW POINT OF EACH SAG VERTICAL CURVE.

ITEM SPECIAL - MAILBOX REMOVED AND RESET
THE MAILBOX SHALL BE SECURELY AND NEATLY RESET BY THE CONTRACTOR. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ATTACHMENT HARDWARE (NUTS, BOLTS, PLATES, SPACERS, AND WASHERS) AS NECESSARY TO ACCOMMODATE THE COMPLETE INSTALLATION.

THE CONTRACTOR SHALL SALVAGE THE EXISTING BOX AND SUPPORT. DUE CARE SHALL BE EXERCISED IN SUCH AN OPERATION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY BOX DAMAGED BY IMPROPER HANDLING ON HIS PART, AS JUDGED AND DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE LOCAL POST MASTER REGARDING THE TIMING OF THE MOVEMENT OF ANY MAILBOX TO A NEW LOCATION.

PAYMENT UNDER THIS ITEM SHALL BE LIMITED TO FINAL PERMANENT INSTALLATIONS. TEMPORARY INSTALLATIONS SHALL BE IN ACCORDANCE WITH 107.10. HOWEVER, THE SAME MATERIAL AND SIZE LIMITATIONS AS FOR PERMANENT INSTALLATIONS SHALL APPLY.

MAILBOX SUPPORTS, COMPLETE IN PLACE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH, FOR ITEM SPECIAL MAILBOX REMOVED AND RESET.

FARM DRAINS
PROVIDE UNOBSTRUCTED OUTLETS TO ALL FARM DRAINS ENCOUNTERED DURING CONSTRUCTION. REPLACE EXISTING COLLECTORS WHICH ARE LOCATED BELOW THE ROADWAY DITCH ELEVATIONS, AND WHICH CROSS THE ROADWAY WITHIN THE (RIGHT OF WAY)(CONSTRUCTION) LIMITS WITH ITEM 611, CONDUIT, TYPE B, ONE COMMERCIAL SIZE LARGER THAN THE EXISTING CONDUIT.

OUTLET EXISTING COLLECTORS AND ISOLATED FARM DRAINS, WHICH ARE ENCOUNTERED ABOVE THE ELEVATION OF ROADWAY DITCHES INTO THE ROADWAY DITCH USING ITEM 611, TYPE F CONDUIT. THE OPTIMUM OUTLET ELEVATION IS ONE FOOT ABOVE THE FLOWLINE ELEVATION OF THE DITCH. INTERCEPT LATERAL FIELD TILES WHICH CROSS THE ROADWAY WITH ITEM 611, TYPE E CONDUIT, AND CARRY IN A LONGITUDINAL DIRECTION TO AN ADEQUATE OUTLET OR ROADWAY CROSSING.

THE LOCATION, TYPE, SIZE AND GRADE OF REPLACEMENTS IS DETERMINED BY THE ENGINEER AND PAYMENT MADE ON FINAL MEASUREMENTS.

PROVIDE EROSION CONTROL PADS AT THE OUTLET END OF ALL FARM DRAINS PER STANDARD CONSTRUCTION DRAWING DM-1.1, EXCEPT WHEN THEY OUTLET INTO A DRAINAGE STRUCTURE.

PAYMENT FOR THE EROSION CONTROL PADS AND ANY NECESSARY BENDS OR BRANCHES IS INCLUDED FOR PAYMENT IN THE PERTINENT CONDUIT ITEMS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

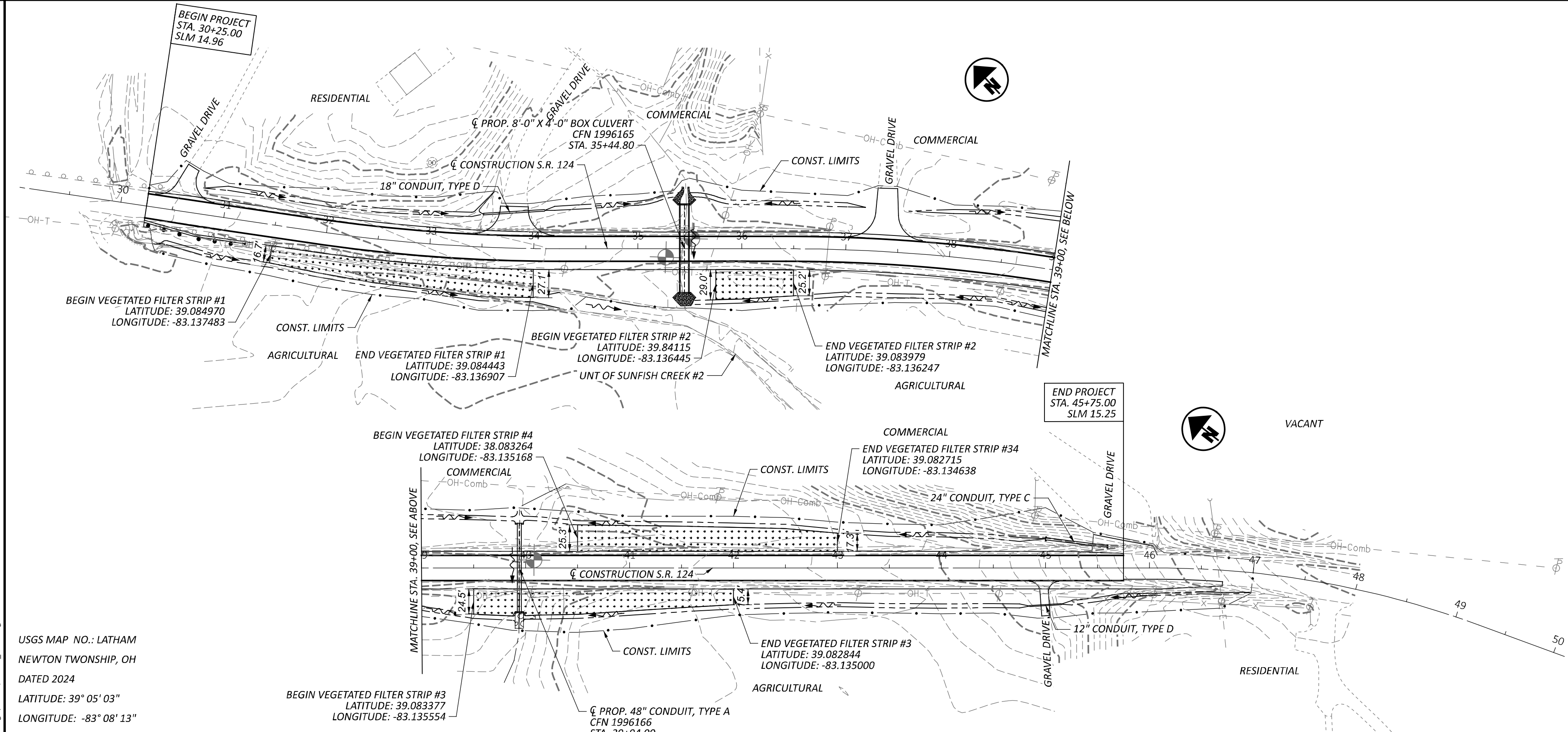
ITEM 611, 6" CONDUIT, TYPE E 50 FT
ITEM 611, 6" CONDUIT, TYPE F 50 FT

AGGREGATE DRAINS

LT	STATION	RT	LT	STATION	RT	LT	STATION	RT	LT	STATION	RT	LT	STATION	RT	LT	STATION	RT
	30+25	10	12	33+25			36+25	10		39+25	10		42+25	10	9	45+25	
	30+50	8	14	33+50			36+50	10		39+50	10	14	42+50			45+50	7
	30+75			33+75			36+75	10		39+75	10		42+75	10		45+75	
	31+00		12	34+00			37+00	10		40+00		14	43+00		254		295
	31+25		13	34+25			37+25	10		40+25	10		43+25	10		549 FT	
	31+50		14	34+50			37+50	10	14	40+50		13	43+50				
	31+75*		14	34+75			37+75	10		40+75	10	13	43+75*	10			
	32+00		14	35+00			38+00	10	14	41+00		13	44+00				
	32+25			35+25			38+25	10		41+25	10		44+25	10			
	32+50			35+50			38+50	10	14	41+50			44+50	10			
	32+75			35+75	10		38+75	10		41+75	10	9	44+75				
11	33+00			36+00	10		39+00	10	14	42+00		9	45+00				

* = LOW POINT

NOTE:
AGGREGATE DRAINS THAT ARE NOT SHOWN ON EITHER SIDE OF S.R. 124 AT VARIOUS STATIONS IN THE TABLE ABOVE CAN NOT BE PROVIDED ON THE LOW SIDE OF THE SUPERELEVATION AREAS SINCE THE PROPOSED DITCH IS TOO SHALLOW.



USGS MAP NO.: LATHAM
NEWTON TWONSHIP, OH
DATED 2024
LATITUDE: 39° 05' 03"
LONGITUDE: -83° 08' 13"

PROJECT DATA	SITE (PIK-124-14.96)
TOTAL AREA (RIGHT-OF-WAY)	3.99 AC
PROJECT EARTH DISTURBED AREA	3.57 AC
ESTIMATED CONTRACTOR EARTH DISTURBED AREA	0.55 AC
NOTICE OF INTENT EARTH DISTRUBED AREA	4.12 AC
IMPERVIOUS (PAVED) AREA FOR PRE-CONSTRUCTION SITE	0.97 AC
IMPERVIOUS (PAVED) AREA FOR POST CONSTRUCTION SITE	1.34 AC
RUNOFF COEFFICIENT FOR PRE-CONSTRUCTION SITE	0.75
RUNOFF COEFFICIENT FOR POST CONSTRUCTION SITE	0.65
IMMEDIATE RECEIVING WATERS	SUNFISH CREEK
SUBSEQUENT RECEIVING WATER	SCIOTO RIVER
POST CONSTRUCTION BMP	VEGETATED FILTER STRIP
SOIL MAP PIKE COUNTY, OHIO (OH015)	C1, Omu1B1, Ss, TsF, Wya1B1

ITEMS INCLUDED WITH VEGETATIVE FILTER STRIP:

1. ITEM 659, TOPSOIL (ADD 4" TO THE GRASS PORTION OF THE SHOULDER AND FORESLOPE OF THE VEGETATIVE FILTER STRIP).
2. ITEM 670, SLOPE EROSION PROTECTION.

BMP	STATION FROM	STATION TO	AREA TREATED	DITCH WIDTH	FILTER WIDTH	LOCATION	LATITUDE	LONGITUDE
VEGETATED FILTER STRIP #1	31+50	34+00	0.17 AC	N/A	VARIES 16.7' - 27.1'	BEGIN END	39.084970 39.084443	-83.137483 -83.136907
VEGETATED FILTER STRIP #2	35+75	36+50	0.10 AC	N/A	VARIES 29.0' - 25.2'	BEGIN END	39.084115 39.083979	-83.136445 -83.136247
VEGETATED FILTER STRIP #3	39+50	42+00	0.26 AC	N/A	VARIES 24.5' - 15.4'	BEGIN END	39.083377 39.082844	-83.135554 -83.135000
VEGETATED FILTER STRIP #4	40+50	43+00	0.21 AC	N/A	VARIES 25.3' - 17.3'	BEGIN END	39.083264 39.082715	-83.135168 -83.134638
	TOTAL TREATMENT		0.74 AC	0.74 AC. > 0.71 AC.; OK				

VEGETATED FILTER STRIP

ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FABRIC (2'-6" THICK)

PROJECT DESCRIPTION

THE PROPOSED PROJECT WILL ADDRESS FLOODING AT S.R. 124 IN PIKE COUNTY. IMPROVEMENTS INCLUDE THE REPLACEMENT OF TWO ROADWAY CULVERTS, VERTICAL PROFILE REVISIONS, AND DRIVEWAY RECONSTRUCTION DUE TO VERTICAL PROFILE REVISIONS.

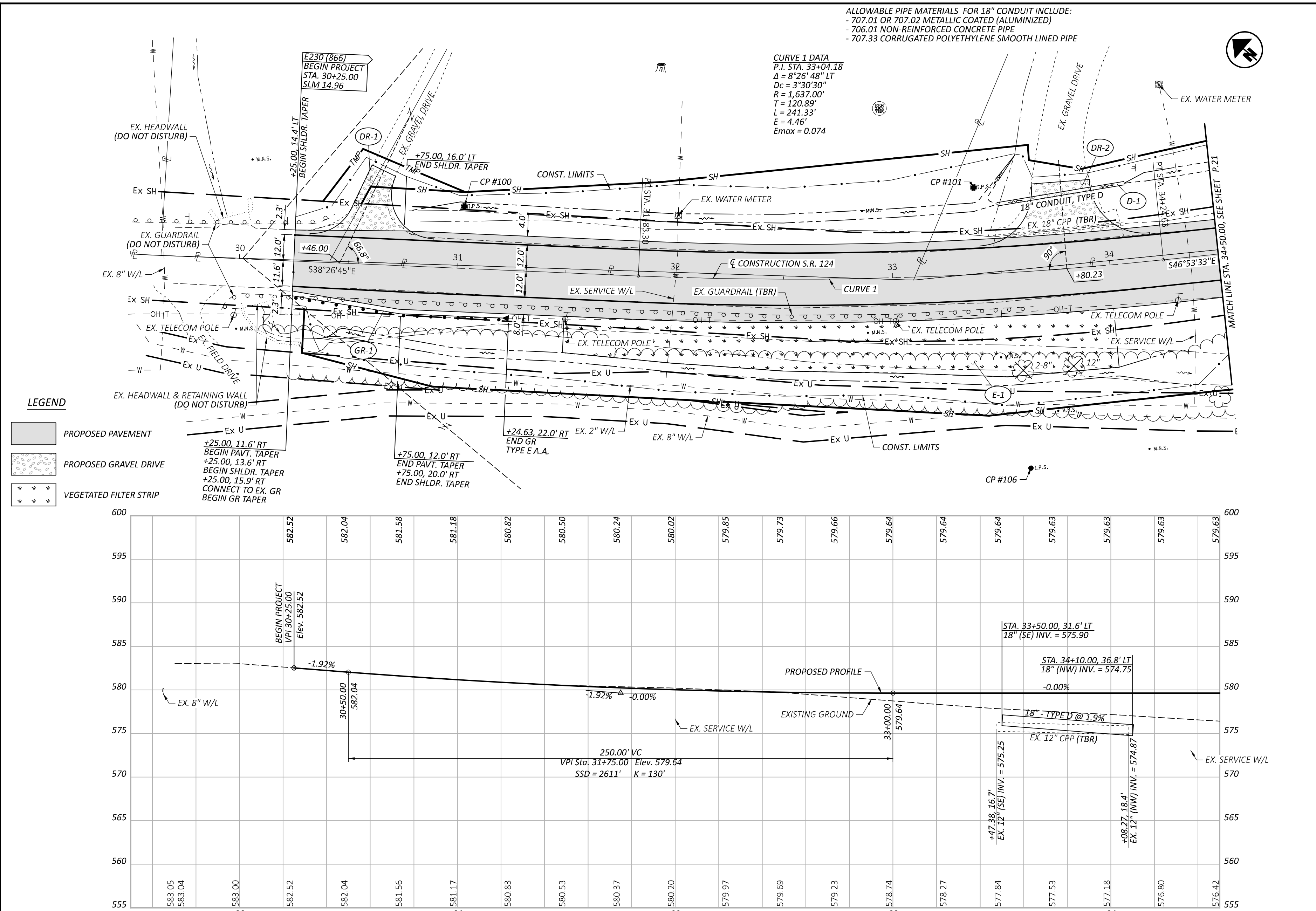
HORIZONTAL SCALE IN FEET
0 25 50 100

PROJECT SITE PLAN
S.R. 124

DESIGN AGENCY
BG
www.bgenggroup.com
5960 WILCOX PLACE, SUITE C
DUBLIN, OHIO 43016

DESIGNER JEP
REVIEWER RG 11/07/24
PROJECT ID 119782
SHEET P.19 TOTAL 53

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 10:33:49 AM USER: jperchinske
P:\Transportation\WorkSets\117406_VAR-D09 Genl Eng Servs FY 23-24\404-Engineering_PIK-124-1500\Drainage\Sheets\119782_DE001.dgn



PLAN AND PROFILE - S.R. 124
STA. 30+00.00 TO STA. 34+50.00

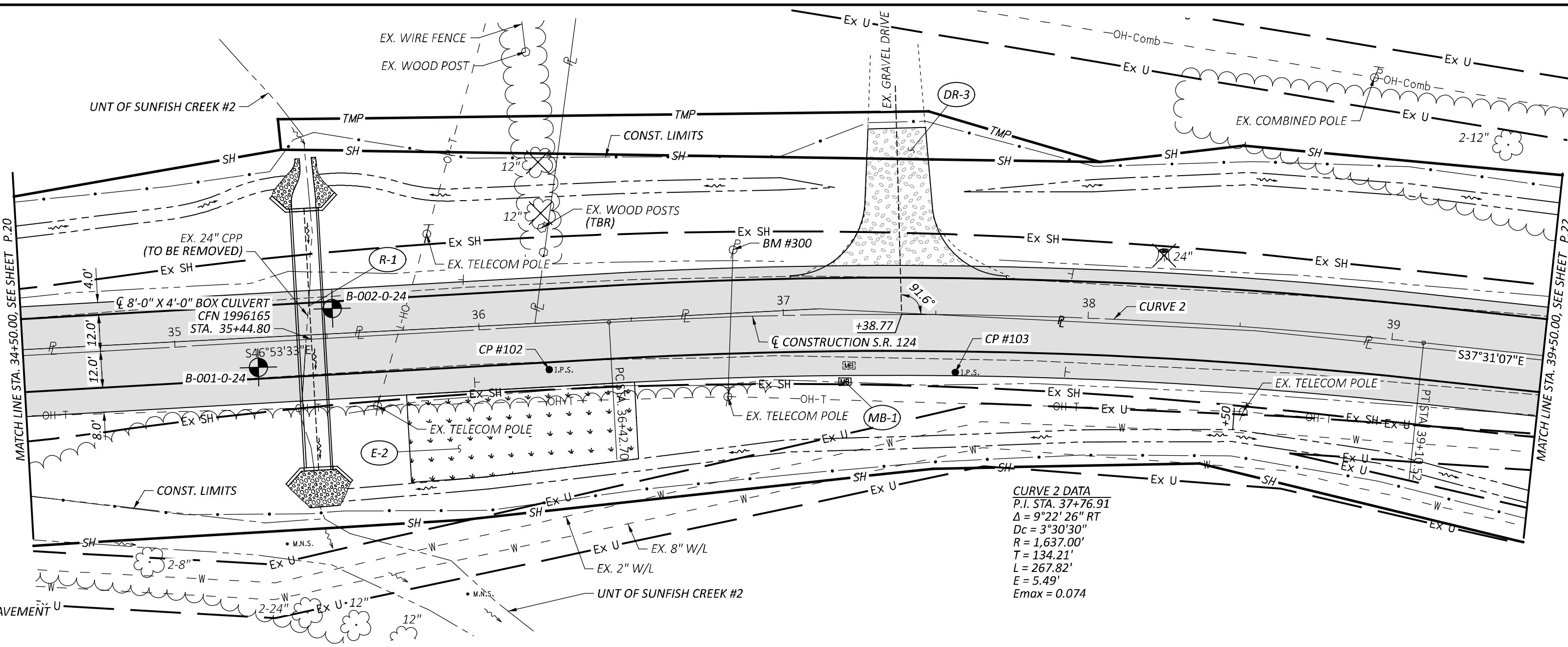
HORIZONTAL SCALE IN FEET

DESIGN AGENCY: BG, www.bgorigroup.com, 5960 WILCOX PLACE, SUITE C, DUBLIN, OHIO 43016

DESIGNER	REVIEWER	PROJECT ID	SHEET	TOTAL
EAK	RG 11/07/24	119782	P.20	53

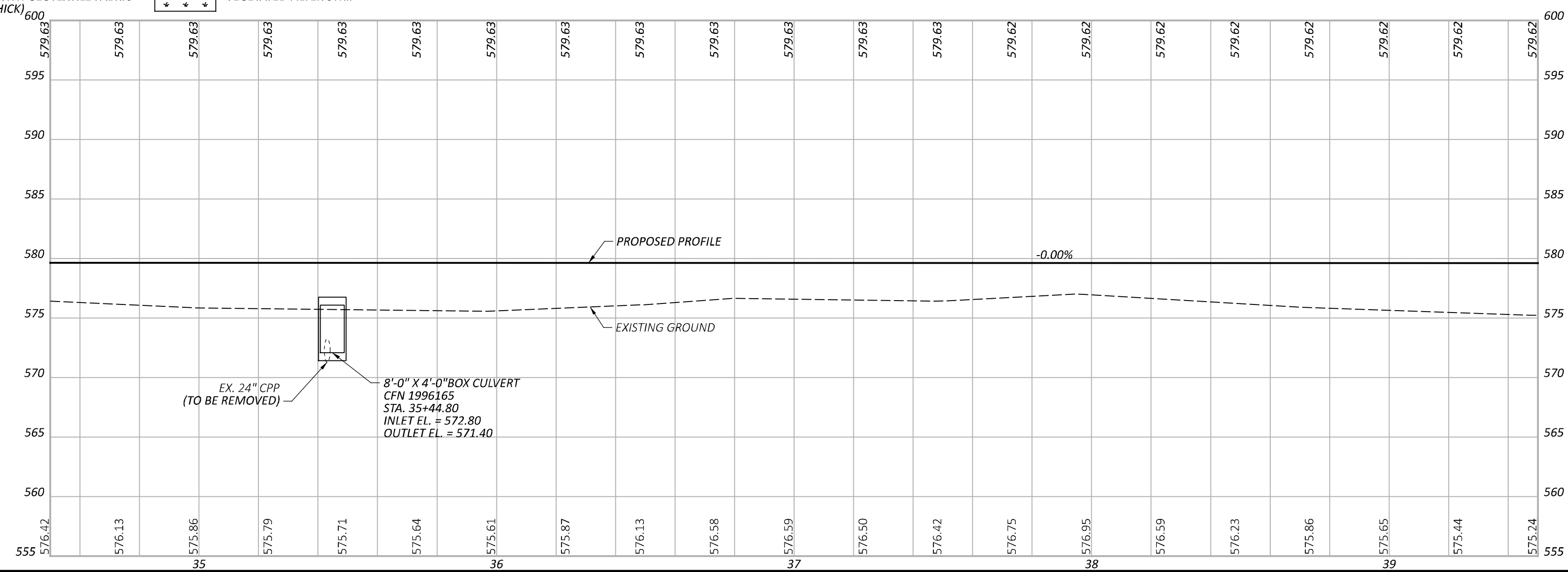
MODEL: GP001 PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 10:45:56 AM USER: jperchinske
P:\Transportation\WorkSets\117406_VAR-D09 Genl Eng Servs FY 23-24\404-Engineering_PIK-124-1500\Roadway\Sheets\119782_GP001.dgn

PIK-124-14.96



LEGEND

- PROPOSED PAVEMENT
- PROPOSED GRAVEL DRIVE
- ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FABRIC (2'-6" THICK)
- VEGETATED FILTER STRIP



PLAN AND PROFILE - S.R. 124
STA. 34+50.00 TO STA. 39+50.00

HORIZONTAL SCALE IN FEET: 0 10 20 40

DESIGN AGENCY: BG — www.bgengroup.com — 5960 WILCOX PLACE, SUITE C DUBLIN, OHIO 43016

DESIGNER: EAK

REVIEWER: RG 11/07/24

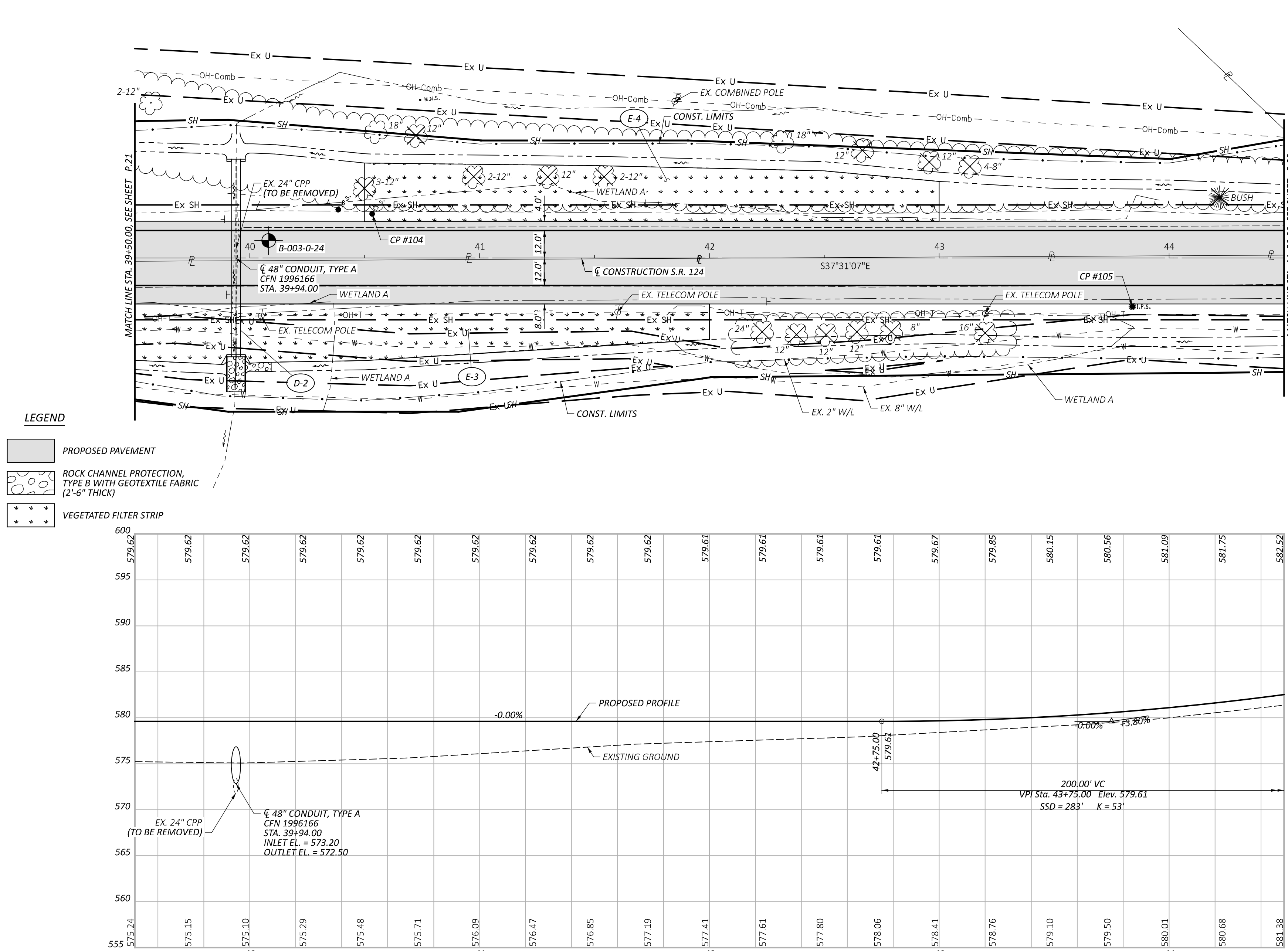
PROJECT ID: 119782

SHEET: P.21 TOTAL: 53

PIK-124-14.96

MODEL: GP002 PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 10:59:20 AM USER: jperchinske
P:\Transportation\WorkSets\117406_VAR-D09 Genl Eng Servs FY 23-24\404-Engineering_PIK-124-1500\Roadway\Sheets\119782_GP002.dgn

PLAN AND PROFILE - S.R. 124
STA. 39+50.00 TO STA. 44+50.00



LEGEND

- PROPOSED PAVEMENT
- ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FABRIC (2'-6" THICK)
- VEGETATED FILTER STRIP

HORIZONTAL SCALE IN FEET: 0 10 20 40

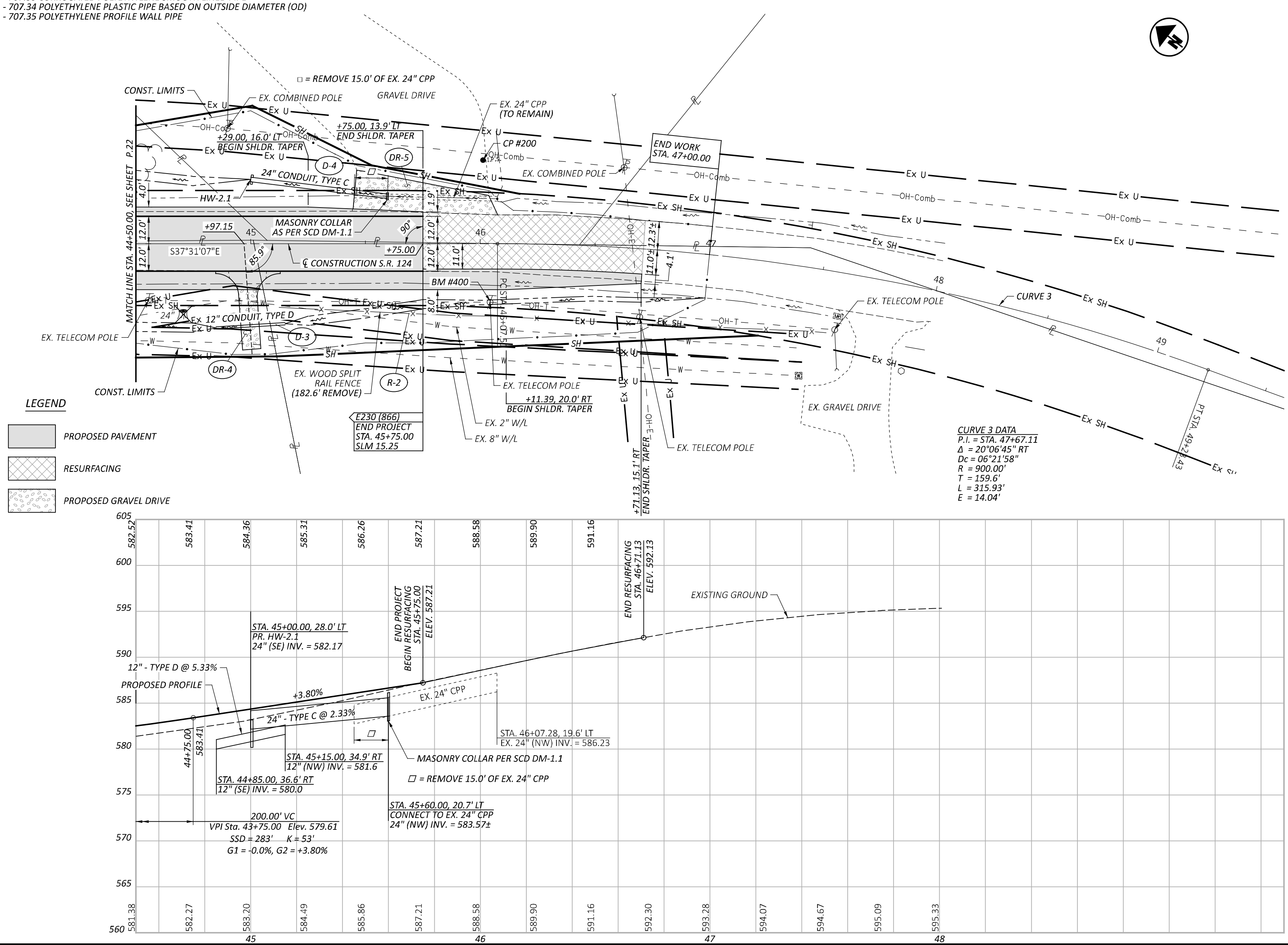
DESIGN AGENCY: BG — www.bgenggroup.com, 5960 WILCOX PLACE, SUITE C, DUBLIN, OHIO 43016

DESIGNER	EAK
REVIEWER	RG 11/07/24
PROJECT ID	119782
SHEET	P.22
TOTAL	53

PIK-124-14.96

MODEL: GP003 PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 11:01:30 AM USER: jperchinske
P:\Transportation\WorkSets\117406_VAR-D09 Genl Eng Servs FY 23-24\404-Engineering_PIK-124-1500\Roadway\Sheets\119782_GP003.dgn

ALLOWABLE PIPE MATERIALS FOR 24" CONDUIT INCLUDE:
- 707.33 CORRUGATED POLYETHYLENE SMOOTH LINED PIPE
- 707.34 POLYETHYLENE PLASTIC PIPE BASED ON OUTSIDE DIAMETER (OD)
- 707.35 POLYETHYLENE PROFILE WALL PIPE



LEGEND

PROPOSED PAVEMENT

RESURFACING

PROPOSED GRAVEL DRIVE

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - S.R. 124
STA. 44+50.00 TO STA. 46+00.00

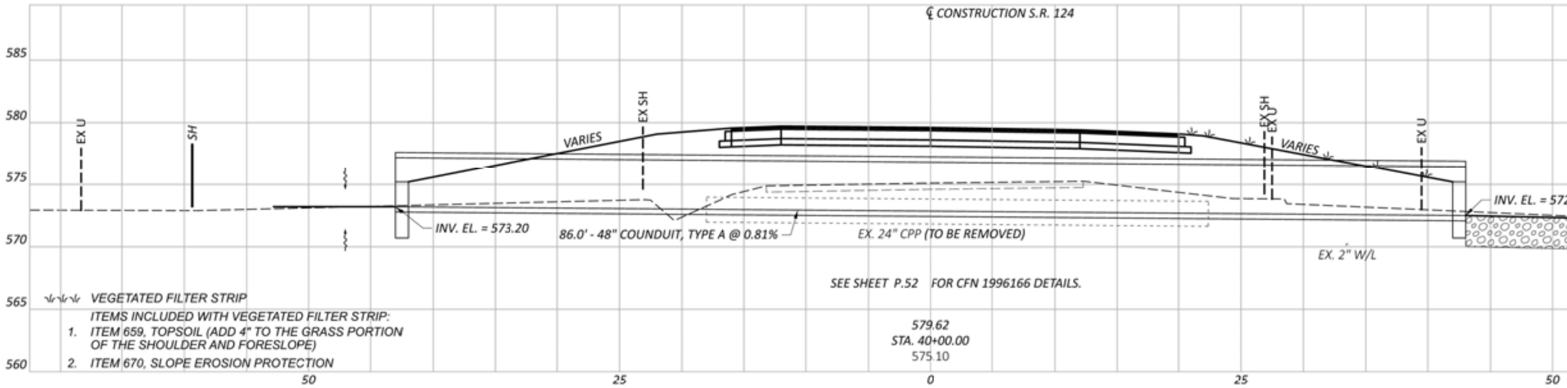
DESIGN AGENCY
BG
www.bgonegroup.com
5960 WILCOX PLACE, SUITE C
DUBLIN, OHIO 43016

DESIGNER	EAK
REVIEWER	RG 11/07/24
PROJECT ID	119782
SHEET	P.23
TOTAL	53

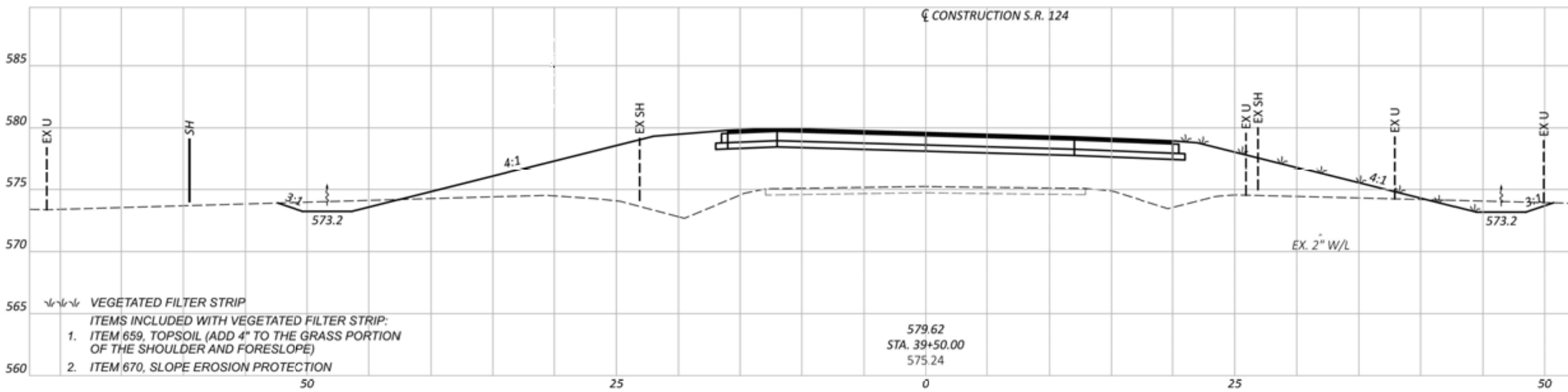
PIK-124-14.96

MODEL: GP004 PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 11:05:46 AM USER: jperchinske
P:\Transportation\WorkSets\117406_VAR-D09 Genl Eng Servs FY 23-24\404-Engineering_PIK-124-1500\Roadway\Sheets\119782_GP004.dgn

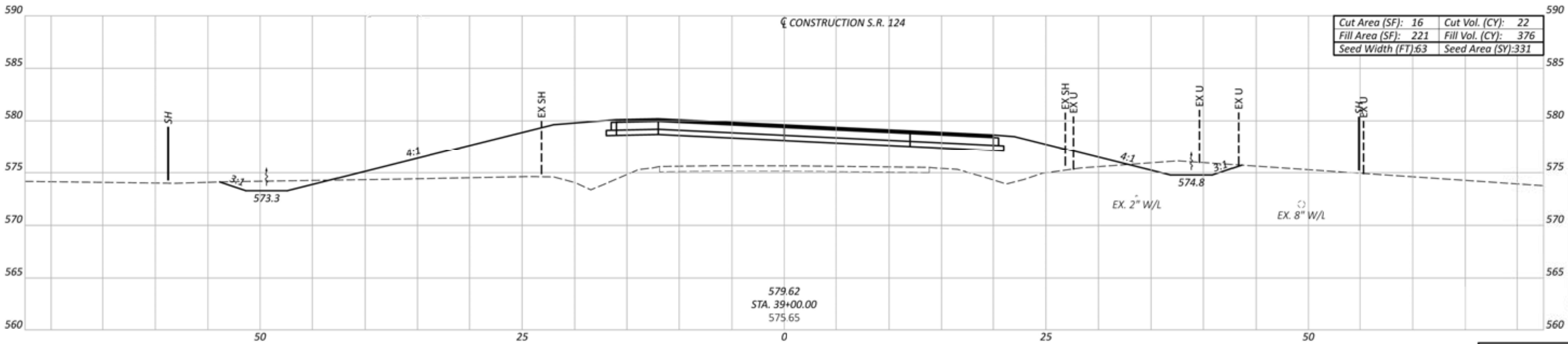
CROSS SECTIONS - S.R. 124
STA. 39+00.00 TO STA. 40+00.00



Cut Area (SF):	37	Cut Vol. (CY):	45
Fill Area (SF):	57	Fill Vol. (CY):	295
Seed Width (FT):	59	Seed Area (SY):	354



Cut Area (SF):	12	Cut Vol. (CY):	25
Fill Area (SF):	261	Fill Vol. (CY):	447
Seed Width (FT):	69	Seed Area (SY):	366



Cut Area (SF):	16	Cut Vol. (CY):	22
Fill Area (SF):	221	Fill Vol. (CY):	376
Seed Width (FT):	63	Seed Area (SY):	331

Sheet Totals

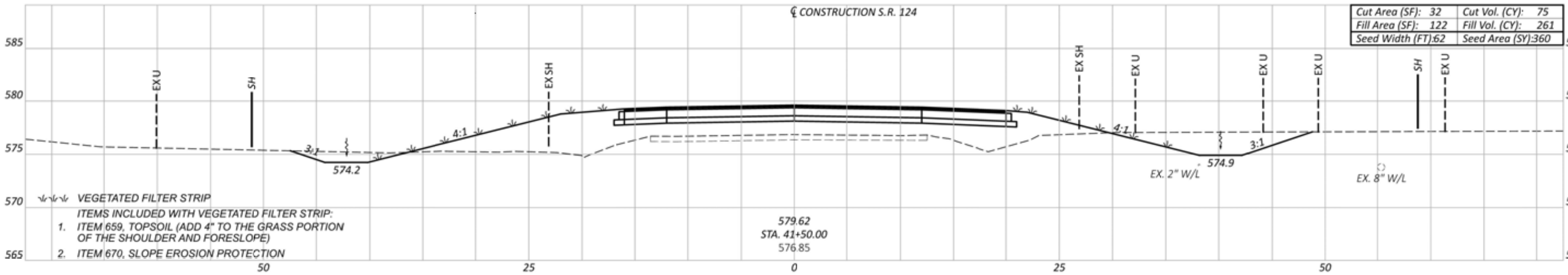
Seeding	Cut	Fill
1051	92	1118

DESIGN AGENCY
BG
www.bgengroup.com
5960 WILCOX PLACE, SUITE C
DUBLIN, OHIO 43016

DESIGNER: EAK
REVIEWER: RG 11/07/24
PROJECT ID: 119782
SHEET: P.32 TOTAL: 53

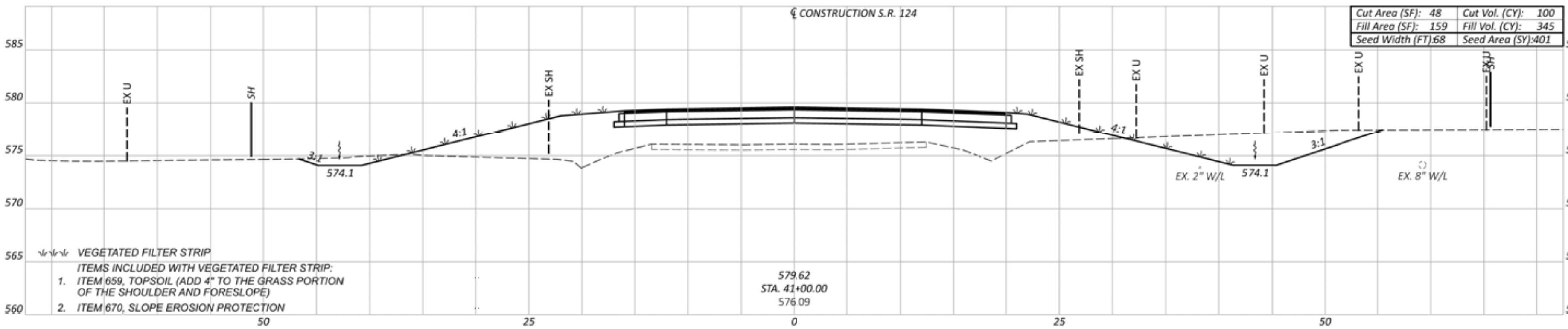
MODEL: GS009 PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 10:35:21 AM USER: jperchinske
P:\Transportation\WorkSets\117406_VAR-D09 Genl Eng Servs FY 23-24\404-Engineering_PIK-124-1500\Roadway\Sheets\119782_XS001.dgn

CROSS SECTIONS - S.R. 124
STA. 40+50.00 TO STA. 41+50.00



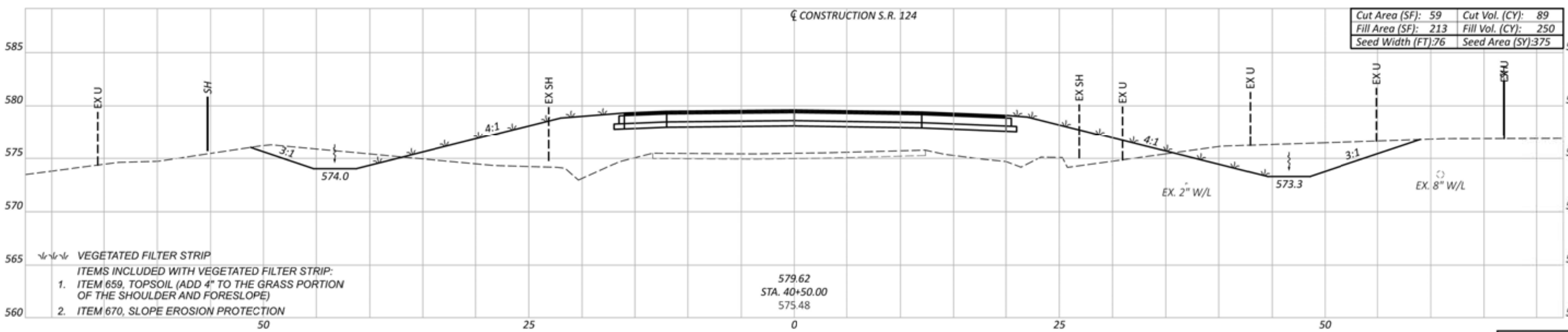
Cut Area (SF): 32	Cut Vol. (CY): 75
Fill Area (SF): 122	Fill Vol. (CY): 261
Seed Width (FT):62	Seed Area (SY):360

VEGETATED FILTER STRIP
ITEMS INCLUDED WITH VEGETATED FILTER STRIP:
1. ITEM 659, TOPSOIL (ADD 4" TO THE GRASS PORTION OF THE SHOULDER AND FORESLOPE)
2. ITEM 670, SLOPE EROSION PROTECTION



Cut Area (SF): 48	Cut Vol. (CY): 100
Fill Area (SF): 159	Fill Vol. (CY): 345
Seed Width (FT):68	Seed Area (SY):401

VEGETATED FILTER STRIP
ITEMS INCLUDED WITH VEGETATED FILTER STRIP:
1. ITEM 659, TOPSOIL (ADD 4" TO THE GRASS PORTION OF THE SHOULDER AND FORESLOPE)
2. ITEM 670, SLOPE EROSION PROTECTION



Cut Area (SF): 59	Cut Vol. (CY): 89
Fill Area (SF): 213	Fill Vol. (CY): 250
Seed Width (FT):76	Seed Area (SY):375

VEGETATED FILTER STRIP
ITEMS INCLUDED WITH VEGETATED FILTER STRIP:
1. ITEM 659, TOPSOIL (ADD 4" TO THE GRASS PORTION OF THE SHOULDER AND FORESLOPE)
2. ITEM 670, SLOPE EROSION PROTECTION

Sheet Totals		
Seeding	Cut	Fill
1136	264	856

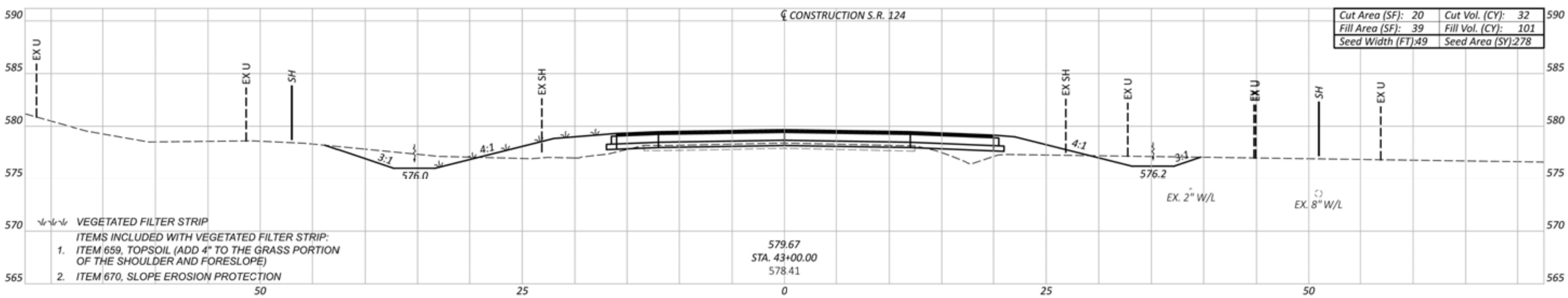
DESIGN AGENCY
BG
www.bgenggroup.com
5960 WILCOX PLACE, SUITE C
DUBLIN, OHIO 43016

DESIGNER EAK
REVIEWER RG 11/07/24
PROJECT ID 119782
SHEET P.33 TOTAL 53

MODEL: GS018 PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 10:35:33 AM USER: jperchinske
P:\Transportation\WorkSets\117406_VAR-D09 Genl Eng Servs FY 23-24\404-Engineering_PIK-124-1500\Roadway\Sheets\119782_XS001.dgn

PIK-124-14.96

CROSS SECTIONS - S.R. 124
STA. 42+00.00 TO STA. 43+00.00

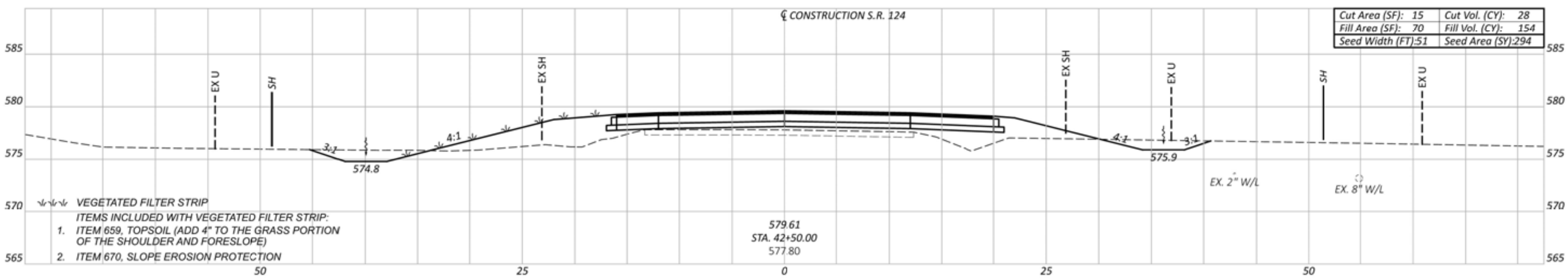


Cut Area (SF): 20	Cut Vol. (CY): 32
Fill Area (SF): 39	Fill Vol. (CY): 101
Seed Width (FT):49	Seed Area (SY):278

VEGETATED FILTER STRIP

ITEMS INCLUDED WITH VEGETATED FILTER STRIP:

1. ITEM 659, TOPSOIL (ADD 4" TO THE GRASS PORTION OF THE SHOULDER AND FORESLOPE)
2. ITEM 670, SLOPE EROSION PROTECTION

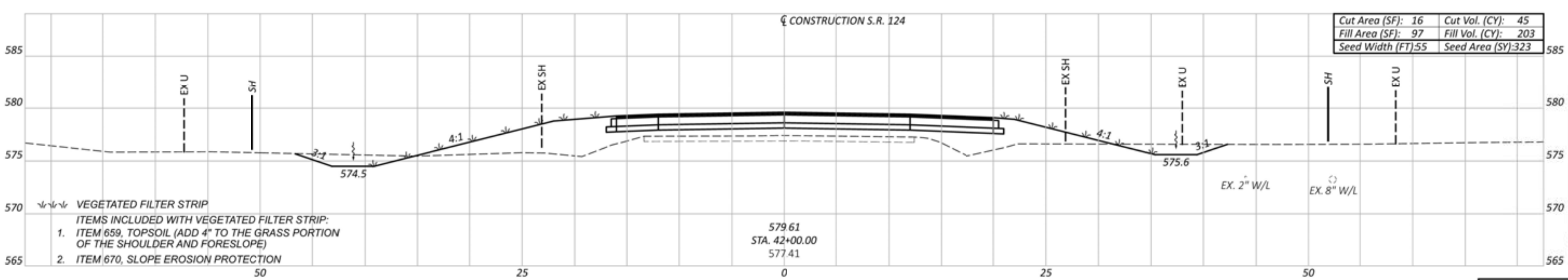


Cut Area (SF): 15	Cut Vol. (CY): 28
Fill Area (SF): 70	Fill Vol. (CY): 154
Seed Width (FT):51	Seed Area (SY):294

VEGETATED FILTER STRIP

ITEMS INCLUDED WITH VEGETATED FILTER STRIP:

1. ITEM 659, TOPSOIL (ADD 4" TO THE GRASS PORTION OF THE SHOULDER AND FORESLOPE)
2. ITEM 670, SLOPE EROSION PROTECTION



Cut Area (SF): 16	Cut Vol. (CY): 45
Fill Area (SF): 97	Fill Vol. (CY): 203
Seed Width (FT):55	Seed Area (SY):323

VEGETATED FILTER STRIP

ITEMS INCLUDED WITH VEGETATED FILTER STRIP:

1. ITEM 659, TOPSOIL (ADD 4" TO THE GRASS PORTION OF THE SHOULDER AND FORESLOPE)
2. ITEM 670, SLOPE EROSION PROTECTION

Sheet Totals		
Seeding	Cut	Fill
895	105	458

DESIGN AGENCY: BG — www.bgenggroup.com — 5960 WILCOX PLACE, SUITE C, DUBLIN, OHIO 43016

DESIGNER: EAK

REVIEWER: RG 11/07/24

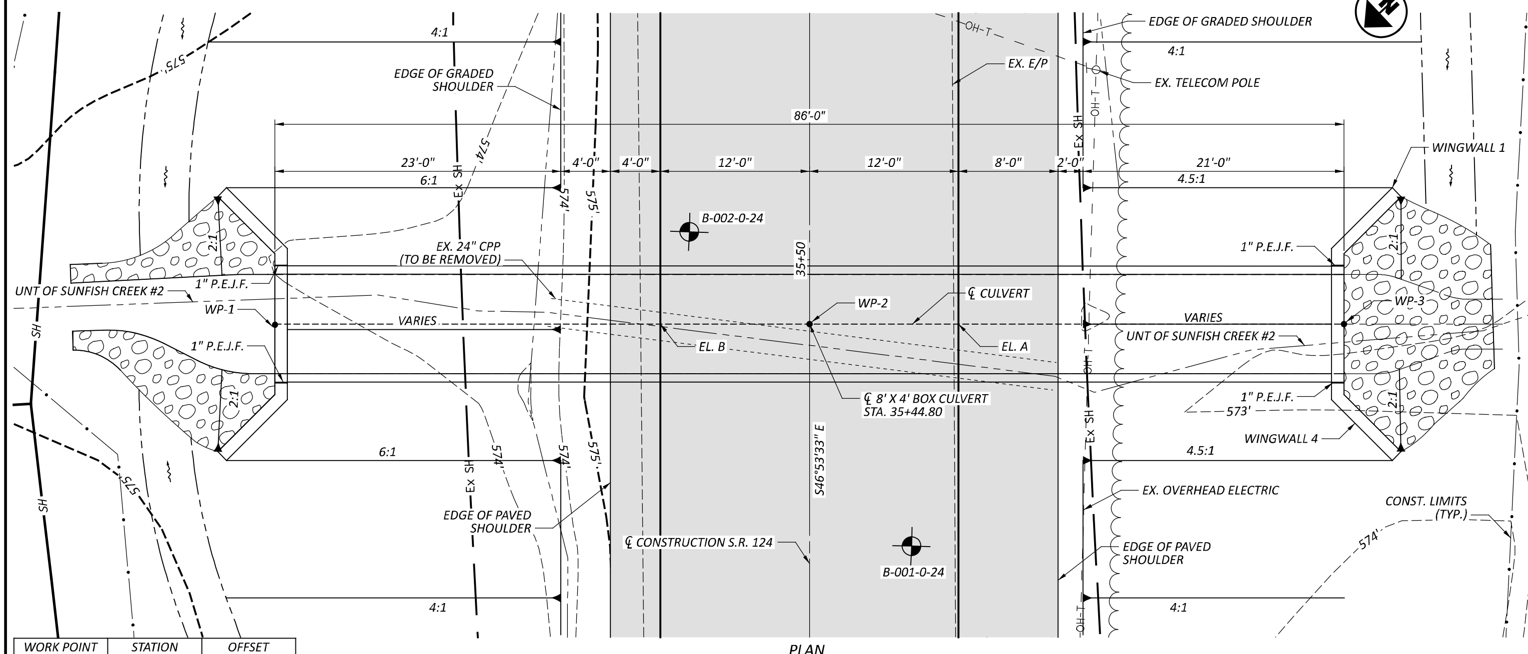
PROJECT ID: 119782

SHEET: P.34 TOTAL: 53

PIK-124-14.96

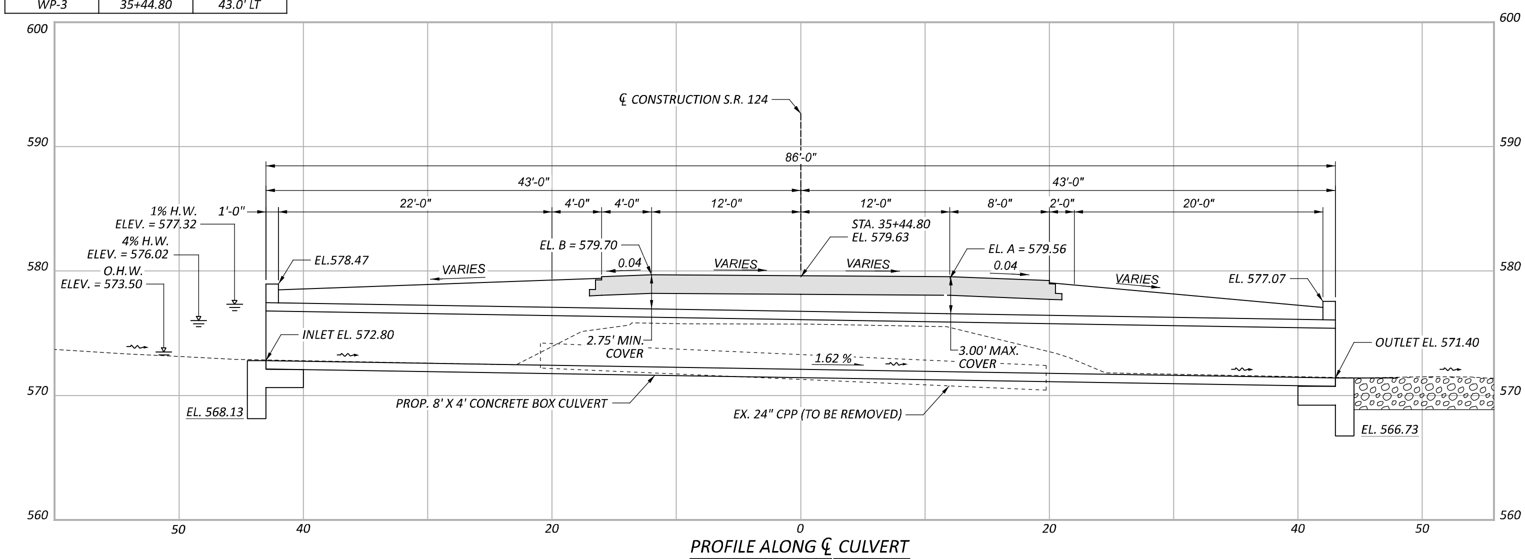
MODEL: GS01: PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 10:35:45 AM USER: jperchinske
P:\Transportation\WorkSets\117406_VAR-D09 Genl Eng Servs FY 23-24\404-Engineering_PIK-124-1500\Roadway\Sheets\119782_XS001.dgn

CULVERT PLAN AND PROFILE
CULVERT NO. 1996165
S.R.124 OVER TRIBUTARY OF SUNFISH CREEK



PLAN

WORK POINT	STATION	OFFSET
WP-1	35+44.80	43.0' RT
WP-2	35+44.80	0.0' ℄
WP-3	35+44.80	43.0' LT



PROFILE ALONG ℄ CULVERT

HYDRAULIC DATA

DRAINAGE AREA = 52.22 ACRES
Q (4%) = 121.0 CFS V (4%) = 14.26 FT/S HW (4%) = 576.02 FT
Q (1%) = 196.0 CFS V (1%) = 16.77 FT/S HW (1%) = 577.32 FT
ORDINARY HIGH WATER MARK: 573.50 FT
ABRASION LEVEL: 1 (NON-ABRASIVE)
EXISTING WATERWAY OPENING : 3.14 SQ. FT.
PROPOSED WATERWAY OPENING: 32 SQ. FT.
DESIGN SERVICE LIFE: 75 YEARS
PH : 7.6

EXISTING STRUCTURE

TYPE: CORRUGATED PLASTIC PIPE
SIZE: 24" DIA.
SKEW: 0°±
ALIGNMENT: TANGENT
DATE BUILT: UNKNOWN
CONDITION: POOR
CFN: 1856943

PROPOSED STRUCTURE

TYPE: 8' X 4' CONCRETE BOX CULVERT
SKEW: 0°
ALIGNMENT: TANGENT
ROADWAY WIDTH: 36'-0" SHOULDER/SHOULDER
DESIGN SERVICE LIFE: 75 YEARS
CFN : 1996165

ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FABRIC (2'-6" THICK)

PROPOSED FULL DEPTH PAVEMENT

HORIZONTAL SCALE IN FEET
0 5 10 20

DESIGN AGENCY
BG
www.bgenggroup.com
5960 WILCOX PLACE, SUITE C
DUBLIN, OHIO 43016

DESIGNER	EAK
REVIEWER	GTB 11/07/24
PROJECT ID	119782
SHEET P.44	TOTAL 53

MODEL: DP001 PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 10:37:14 AM USER: jperchinske
P:\Transportation\WorkSets\117406_VAR-D09 Genl Eng Servs FY 23-24\404-Engineering_PIK-124-1500\Drainage\Sheets\119782_DP001.dgn

CULVERT PLAN AND PROFILE
CULVERT NO. 1996166
S.R.124 OVER WETLAND A

HYDRAULIC DATA

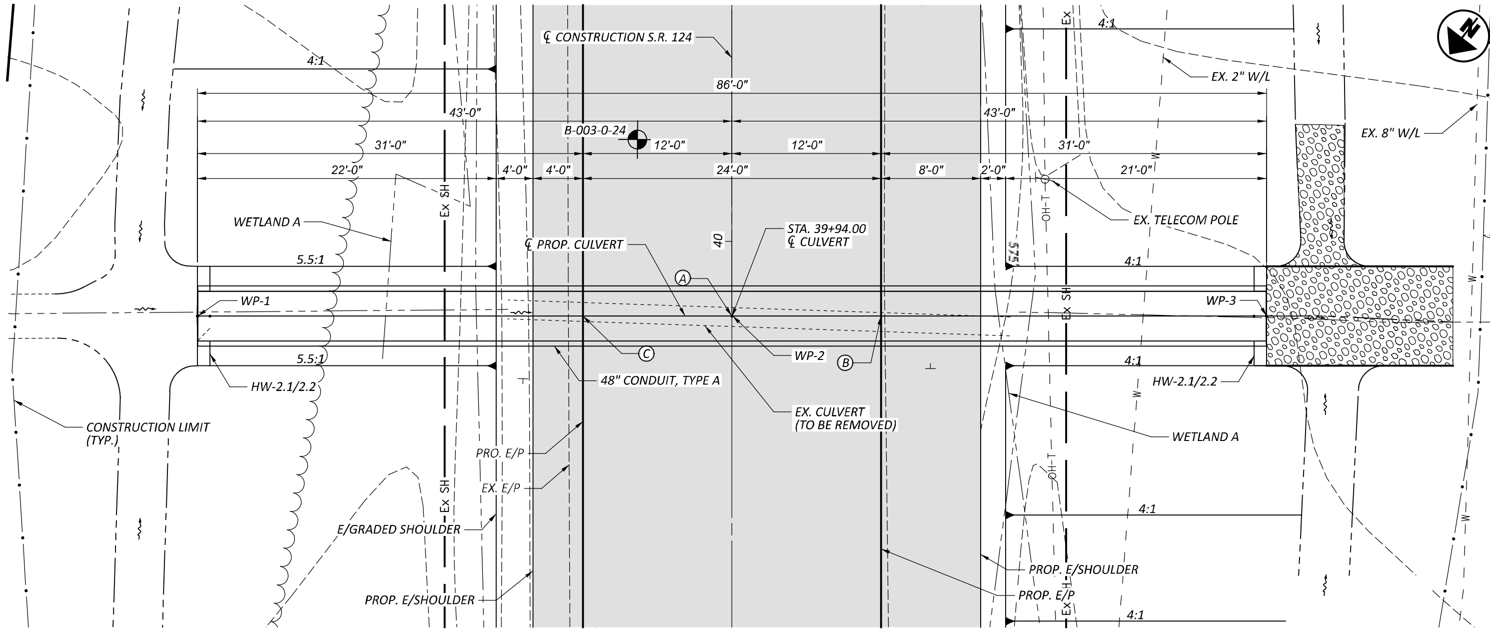
DRAINAGE AREA = 17.73 ACRES
Q (4%) = 71.0 CFS V (4%) = 8.41 FT/S HW (4%) = 577.38 FT
Q (1%) = 83.0 CFS V (1%) = 8.97 FT/S HW (1%) = 577.89 FT
ORDINARY HIGH WATER MARK: 576.47 FT
ABRASION LEVEL: 1 (NON-ABRASIVE)
EXISTING WATERWAY OPENING : 3.14 SQ. FT.
PROPOSED WATERWAY OPENING : 12.57 SQ. FT.
DESIGN SERVICE LIFE: 75 YEARS
PH : 7.6

EXISTING STRUCTURE

TYPE: CORRUGATED PLASTIC PIPE
SIZE: 24" DIA.
SKEW: 0°±
ALIGNMENT: TANGENT
DATE BUILT: 01/02/1961
CONDITION: POOR
CFN: 1856944

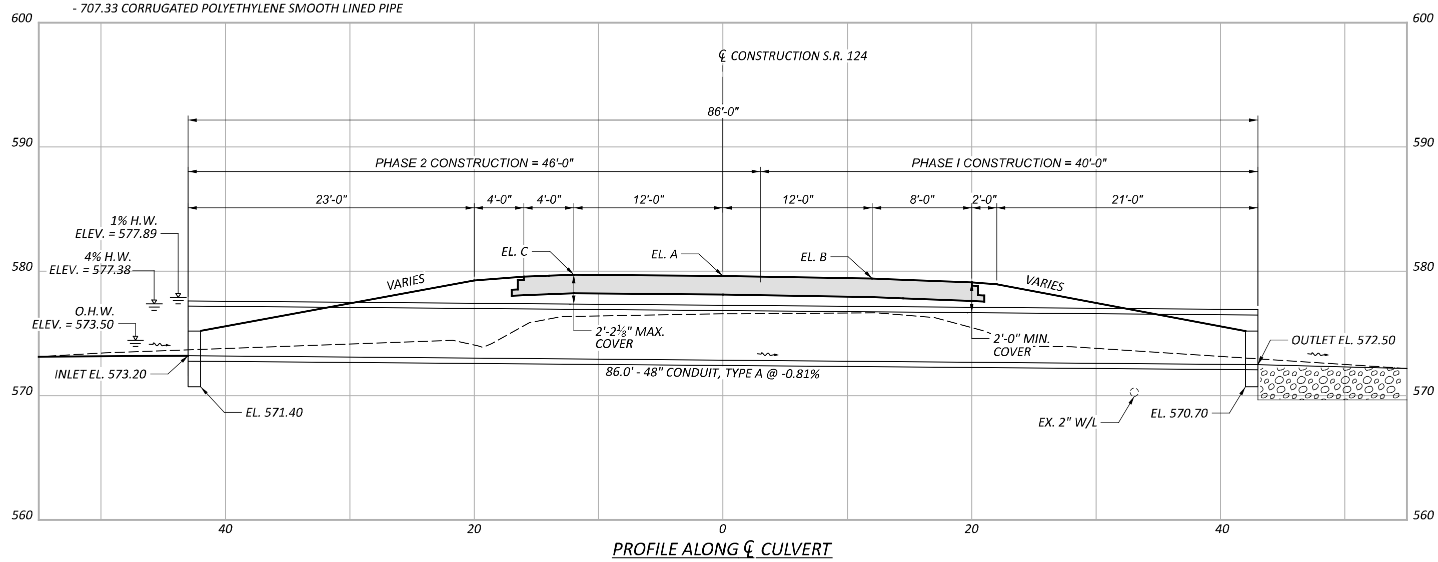
PROPOSED STRUCTURE

TYPE: 48" CONDUIT, TYPE A
SKEW: 0°
ALIGNMENT: TANGENT
ROADWAY WIDTH: 36'-0" SHOULDER/SHOULDER
DESIGN SERVICE LIFE: 75 YEARS
CFN: 1996166



ALLOWABLE PIPE MATERIALS INCLUDE:
- 707.01 OR 707.02 METALLIC COATED (ALUMINIZED)
- 706.02 REINFORCED CONCRETE CIRCULAR PIPE
- 707.33 CORRUGATED POLYETHYLENE SMOOTH LINED PIPE

PLAN



PROFILE ALONG ℄ CULVERT

POINT	STATION	OFFSET
WP-1	39+94.00	43.0' LT
WP-2	39+94.00	0.00'
WP-3	39+94.00	43.0' RT

ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FABRIC (2'-6" THICKNESS)

PROPOSED FULL DEPTH PAVEMENT

ELEVATION	
A	579.62
B	579.43
C	579.76

HORIZONTAL SCALE IN FEET 0 5 10 20

DESIGN AGENCY
BG
www.bgenggroup.com
5960 WILCOX PLACE, SUITE C
DUBLIN, OHIO 43016

DESIGNER	REVIEWER	PROJECT ID	SHEET	TOTAL
LA	RG 11/07/24	119782	P.52	53

SPECIAL PROVISIONS

WATERWAY PERMITS CONDITIONS

C-R-S: PIK-124-14.96

PID: 119782

Date: 04/08/2025

1. Waterway Permits Time Restrictions:

Regional General Permit (RGP), Section B (Maintenance) is authorized for PIK-124-14.96, PID: 119782. A copy of the RGP and OEPA authorization letter (OEPA ID: 251540P) shall be kept at the work site at all times and made available to all contractors and subcontractors. The permit is effective starting: April 8, 2025. The permit expires: February 11, 2030.

For authorized work in aquatic resources (including streams, wetlands, jurisdictional ditches, captured streams, lakes, ponds), the Department will consider the Contractor's submission of a reauthorization to the waterway permit expiration date based on project constraints. If more than one permit is authorized for the project, then all permits become invalid once the first permit expires. In order for the request to be considered, the Contractor must submit a justification to the Engineer at least 90 days prior to the waterway permit expiration date. The Engineer will submit the request for a time extension to the Ohio Department of Transportation, Office of Environmental Services, Waterway Permits Unit (ODOT-OES-WPU) for consideration and coordination with the U.S. Army Corps of Engineers (USACE), Ohio Environmental Protection Agency (OEPA), U.S. Coast Guard (USCG), U.S. Fish and Wildlife Service (USFWS), and Ohio Department of Natural Resources (ODNR) as appropriate.

2. Deviations From Permitted Construction Activities:

No deviation from the requirements for work in aquatic resources depicted in the plans, Special Provisions, and/or Working Drawings may be made unless a modification has been submitted to ODOT-OES-WPU and approved by the appropriate agencies (i.e., USACE, OEPA, USCG, ODNR, and USFWS).

NOTE: Plan sheets submitted with the OEPA Notification were approved by the OEPA in accordance with NWP 3 and are included in these Special Provisions.

For emergency situations resulting in unanticipated impacts to aquatic resources, provide notification (verbal or written) to the Engineer as soon as possible following discovery of the situation. Written notification to the Engineer and notification to the ODOT-OES-WPU (614-466-2159) must be made within 24 hours.

For non-emergency situations, notify the Engineer in writing for submission to the ODOT-OES-WPU (614-466-2159) for consideration and coordination with the appropriate agencies. Notification must be made at least 90 days prior to planned, non-permitted activities. Consideration of the requested deviation is at the discretion of the Director and must be coordinated with the appropriate regulatory agencies.

3. In-Stream Work Restrictions:

Work in the following aquatic resources is further restricted as follows:

Stream Name /Description	Location	Work restriction dates (No in-stream work permitted)
UNT of Sunfish Creek #2	STA 35+44.80	None

UNT = unnamed tributary stream

In-stream work has been defined as the placement and/or removal of fill materials (temporary or permanent) below ordinary high water of a stream. Examples of "fill" include, but are not limited to: bridge piers, abutments, culverts, rock channel protection, scour protection, and temporary access fills.

Fills placed within a stream identified in the above table (outside of the work restriction dates) can continue to be worked from during the work restriction dates, but cannot be expanded, removed, or otherwise modified (below ordinary high water) until once again outside of the work restriction dates.

4. Materials:

Materials utilized in or adjacent to aquatic resources for temporary or permanent fill or bank protection shall consist of suitable material free from toxic contaminants in other than trace quantities. Asphalt products are specifically excluded for use as fill. Chromated Copper Arsenate (CCA), creosote, and other pressure treated lumber shall not be used in structures that are placed in aquatic resources.

5. Cultural Resources:

Per CMS 107.10, if archeological sites, historical sites, or human remains are discovered, cease all work in the immediate area and notify the Engineer who will immediately contact the ODOT-District Environmental Coordinator and ODOT-OES-Cultural Resource Section at 614-466-2159. In the event of human remains are identified by OES-Cultural Resources Section, the Engineer shall also contact the Pike County Sheriff's Office at 740-947-2111.

6. Aquatic Resource Demarcation:

The tables attached (Table 1 and Table 2) include detailed fill quantities authorized within the aquatic resources. Aquatic resources not authorized for impact by these Special Provisions shall be demarcated in the field as per SS 832 prior to site disturbance. The fence shall remain in place and be maintained throughout the construction process. Following the completion of the project, the fence and posts shall be removed.

7. Spill containment:

Provide and Maintain an Oil Spill Kit with a minimum capacity of 65 gallons. The Spill Kit shall contain:

- 6 - 3 in. X 8 ft. oil only socks
- 4 - 18 in. X18 in. oil only pillows
- 2 - 5 in. X 10ft. booms
- 50 - 16in. X 20 in. oil only pads
- 10 - disposable bags
- 1 - 65 gallon drum with lid
- 25 pounds of granular oil absorbent

The Oil Spill Kit shall be located within 150 feet of any equipment working in a stream or wetland. The oil Spill Kit shall be maintained for the life of the contract. Any materials utilized during the project will be replaced within 48 hours. All costs associated with furnishing and maintaining the above referenced spill containment kit are incidental to work.

8. Blasting:

State law requires notification to the Ohio Department of Natural Resources should blasting be required within or near stream channels (See ORC 1533.58 & CMS 107.09). Notify the Engineer, in writing, a minimum of 30 days in advance of blasting, for submission to ODOT-OES-WPU (614-466-2159) for coordination with ODNR.

9. Project Inspection:

Inspection of Work may include inspection by representatives of other government agencies or railroad corporations that pay a portion of the cost of the Work or regulate the Work through State and Federal law. Comments from the representatives of these agencies shall be directed to the Engineer who will immediately contact the ODOT-District Environmental Coordinator and ODOT-OES-WPU at 614-466-2159.

10. Temporary Access Fills:

Definitions:

Hydraulic Opening
The cross-sectional area allowing an unimpeded discharge equal to twice the highest monthly flow without producing a rise in the backwater above the Ordinary High Water Mark (OHWM).

Standard Temporary Discharge
Discharge equal to twice the *highest monthly flow* without producing a rise in the backwater above the OHWM. The U.S. Geologic Service publication "Techniques for estimating Selected Streamflow Characteristics of Rural Unregulated Streams in Ohio" provides equations that estimate monthly flow for Ohio Waterways These flows are also available in a web application by USGS StreamStats, (https://water.usgs.gov/osw/streamstats/ohio.html). The highest monthly flow is the highest monthly mean discharge occurring in a 12-month period from January to December.

Average Monthly Flow
The average monthly flow represents the estimated "normal" flow.

Temporary Access Fills (TAFs)
Include, but are not limited to, dewatering fills, causeways, cofferdams, access pads, temporary bridges, etc. below the OHWM.

Requirements
21 calendar days prior to the initiation of any in-stream work, provide the Engineer with Working Drawings that include:

- Plan view drawing (50 scale or less) showing the location of all TAFs proposed for use on the project.
- Scaled cross section and profile drawing showing the OHWM and the proposed hydraulic opening.
- Identify the minimum diameter size, placement location and thickness of non-erodible Dumped Rock Fill material on the plan and profile.
- Calculations analyzing the hydraulic impacts of the TAF on the waterway. Include in the calculations an analysis of the hydraulic opening sized adequately to pass the Standard Temporary Discharge without producing a rise in backwater above the OHWM. Include, in the analysis, calculated channel velocities adjacent to the TAF, culvert exit velocities, calculated headwater and tailwater elevations, and any additional appropriate calculations to assess potential impacts to the waterway during normal and anticipated high flow (twice the highest monthly flow) events.
- A description of all temporary material to be placed below the OHWM elevation.
- A description of the installation and staging of all temporary fill over the life of the contract.
- Identify the protection methods and/or structural Best Management Practices for minimizing impacts to the waterway.

- Volume of temporary fill below the OHWM elevation.
- A description of the diversion ditches, equipment, conduits or means for maintaining normal flows in the waterway.
- A description of the removal of all temporary fill and restoration of the channel and all areas impacted by the TAFs.
- A schedule outlining the timing of the placement and removal of all temporary fill.
- Have competent individuals prepare and check the Working Drawings and hydraulic calculations. Provide a cover sheet containing the preparer(s) and checker(s): First Name, Last Name and Initials. The preparer(s) and checker(s) shall not be the same individual. Have an Ohio Registered Engineer review, approve, sign, seal and date the Working Drawings and hydraulic calculations according to ORC 4733 and OAC 4733-35. Include the following statement on the Working Drawings:

  "These Working Drawings were prepared in compliance with the terms of these Special Provisions and all contract documents."

Do not begin in-stream work until the Engineer has accepted the Working Drawings and hydraulic calculations.

The design and construction of the Contractor's TAF must minimize impacts to water bodies, stream banks, stream beds, and riparian zones to the maximum extent practicable.

Fording of waterways and other aquatic resources is prohibited.

Construct TAFs in such a manner that will maintain flows, minimize upstream flooding, and avoid overtopping the TAF on a regular basis. ***TAFs shall be designed and constructed so that the hydraulic opening provides capacity for a discharge equal to twice the highest monthly flow without producing a rise in the backwater above the (OHWM)***.

If the Contractor proposes a TAF which does not meet all the requirements of these Special Provisions, the Contractor must submit a request in writing for a modified TAF to the Engineer. The request must include all Working Drawings and hydraulic calculations required by these Special Provisions. The Department makes no guarantee to grant the request. The Contractor's proposed TAF request will be coordinated by OES with the USACE and the OEPA, as appropriate. The time frame allowed for the coordination of the contractor's proposed TAF will be a minimum of 60 days.

Installation of any temporary fill without appropriate authorization is strictly prohibited. All direct coordination with the USACE and/or OEPA will be performed through OES.

TAFs Construction and Payment

Begin planning and installing causeways and access fills as early in construction as possible to avoid conflicts with these Special Provisions or other environmental commitments that have been included in the construction plans.

TAFs in Streams and Rivers may include, but are not limited to, causeways, cofferdams, access pads, sheet piling, temporary bridges, etc. The Contractor must make every attempt to minimize disturbance to waterbodies, stream banks, stream beds and riparian zones during the construction, maintenance, and removal of the TAF. Construct the TAFs as narrow as practical. Install in-stream conduits parallel to the stream banks. Make the TAFs in shallow areas rather than deep pools where possible. Minimize clearing, grubbing, and excavation of stream banks, and approach sections. Construct the TAFs as to not cause erosion or allow sediment deposits in the waterway.

Prior to the initiation of any in-stream work, establish a monument upstream of the proposed TAF to visually monitor the water elevation in the waterway where the fill is permitted. Maintain the monument throughout the project. Provide a visual mark on the monument that identifies the elevation 1 foot above the OHWM. Ensure that the monument can be read from the bank of the waterway. Have this elevation set and certified by an Ohio Registered Surveyor. All costs associated with furnishing and maintaining the above referenced monument is incidental to the work.

Should the surface water elevation exceed the elevation 1 foot above OHWM, the Department will compensate the Contractor for repair of any resulting damage to the TAF up to the elevation of 1 foot above the OHWM, except as noted. The Department will recognize this event as an excusable, non-compensable delay in accordance with Section 108.06 B. of the Construction & Materials Specifications.

Follow the requirements in Item 502 for Structures for Maintaining Traffic and in Item 503 for Cofferdams and Excavation Bracing and any modifications to these items as shown in the plans. The Department will not pay for repair and maintenance of TAFs associated with Items 502 and 503 as a result of surface water elevation exceeding 1 foot above the OHWM. Compensation for damages associated with waterway flows will be provided as described in Items 502 and 503.

Construct the TAFs, not including Items 502 and 503, to a water elevation at least 1 foot (0.3 m) above the OHWM. If more than one-third the width of the stream is filled, then use culvert pipes to allow the movement of aquatic life. Ensure that any ponding of water behind the TAF will not damage property, flood roadways, or threaten human health and safety.

The following minimum requirements apply to TAFs where culverts are used:

A. Furnish culverts on the existing stream bottom.
B. Avoid a drop in water elevation at the downstream end of the culvert that would result in an adverse impact to the waterway.
C. Furnish a sufficient number of culverts in addition to stream openings to provide a discharge equal to twice the highest monthly flow without producing a rise in the backwater above the OHWM.
D. Furnish culverts with a minimum diameter of 18 inches (0.5 m).

All TAFs must be constructed of suitable materials. Causeways and access fills must be encapsulated with clean, non-erodible, nontoxic Dumped Rock Fill, Type A, B, C, or D, meeting the requirements of C&MS 703.19.B. Utilize appropriately sized Dumped Rock Fill determined by the Contractor's engineer for encapsulating the sides of the TAF. Encapsulate all sides of the TAF with the non-erodible material. For causeways, contractors may use clean aggregate meeting C&MS 703.01 Size Number 1 and 2 for creating a working surface above the OHWM. Extend the non-erodible encapsulating material to at least the elevation of the top of the working surface. Extend clean aggregate up the slope from the original stream bank for 50 feet (10 m) to remove erodible material and prevent tracking from equipment onto the TAF.

When the work requiring TAF is complete, all portions of the TAF (including all rock and culverts) will be removed in its entirety. Do not dispose of TAF material in other aquatic resources or where erosion into another aquatic resource is possible. The stream bottom affected by the TAFs will be restored to its pre-construction elevations. The TAFs will not be paid as a separate item but will be included by the Contractor as part of the total project cost.

Unless specific TAF compensation is included in the plans, all environmental protection and control associated with the authorized activities are incidental to the work within the boundaries of the aquatic resources.

11. Excavation Activities:

Excavated material will be placed at an upland site and disposed of in such a manner that sediment and runoff to streams and other aquatic resources is controlled and minimized. Additionally, no more than incidental fallback into aquatic resources is permitted during the excavation process. If any changes to the proposed work are deemed necessary, notify the Engineer who will immediately contact the ODOT-District Environmental Coordinator and ODOT-OES-WPU at 614-466-2159.

12. Demolition Debris:

The intentional discharge of demolition debris from any structure (including but not limited to bridges, culverts, abutments, wing walls, piers) is not authorized for this project. If any demolition debris inadvertently falls into aquatic resources, it must be removed immediately. Notify the Engineer immediately in writing of any inadvertent fill discharged into aquatic resources. The Engineer will immediately contact ODOT-OES-WPU at 614-466-2159 if any unintentional discharge occurs.

Version: July 2020

TABLE 1. STREAM DISCHARGE AND FILL QUANTITIES

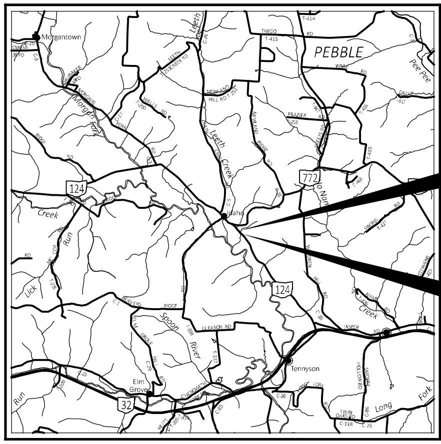
Stream	Station	Description of Impacts	Length (LF)	Width (LF)	Depth (LF)	Existing Culvert	Culvert Overlap	Permanent Fill Below OHWM												Total Permanent Fill			Total Temporary Fill			Total Impact Length
								Proposed Concrete (Includes Culvert, Piers, Walls, Abutments, etc.)			Proposed RCP			Proposed Earthen, Granular, or Embankment Fill			Proposed Other (Steel, Etc.)									
						Length (LF)	Length (LF)	Length (LF)	Area (AC)	Volume (CY)	Length (LF)	Area (AC)	Volume (CY)	Length (LF)	Area (AC)	Volume (CY)	Length (LF)	Area (AC)	Volume (CY)	Length (LF)	Area (AC)	Volume (CY)	Length (LF)	Area (AC)	Volume (CY)	Length (LF)
UNT of Sunfish Creek #2	**STA 35+44.80**	**Culvert Replacement - Grading, RCP, and TAF.**	**120**	**3**	**0.21**	**42**	**42**	89	0.0217	39	26	0.005	18	21	0.015	100	N/A	N/A	N/A	115	0.028	157	30	0.006	5	115
					SUM:	**42**	**42**	**89**	**0.0217**	**39**	**26**	**0.005**	**18**	**21**	**0.015**	**100**	**N/A**	**N/A**	**N/A**	**115**	**0.028**	**157**	**30**	**0.006**	**5**	**115**

LF = linear feet; AC = acres; CY = cubic yards; RCP = rock channel protection or the like (specify if different, i.e.. concrete block matting); NA = Not Applicable

TABLE 2. WETLAND DISCHARGE AND FILL QUANTITIES

Wetland	Station	Description of Impacts	Acreage (AC)	Depth (LF)	Permanent Fill Within Wetland Boundary								Total Permanent Fill		Total Temporary Fill		Total Impact Acreage
					Proposed Concrete (Includes Culvert, Piers, Walls, Abutments, etc.)		Proposed RCP		Proposed Earthen, Granular, or Embankment Fill		Proposed Other (Steel, Etc.)						
					Area (AC)	Volume (CY)	Area (AC)	Volume (CY)	Area (AC)	Volume (CY)	Area (AC)	Volume (CY)	Area (AC)	Volume (CY)	Area (AC)	Volume (CY)	Area (AC)
Wetland A	STA 39+94.00	Culvert Replacement - Grading, RCP, and TAF.	0.381	1	N/A	N/A	0.014	27	0.377	640	N/A	N/A	0.381	667	N/A	N/A	0.381
				SUM:	N/A	N/A	0.014	27	0.377	640	N/A	N/A	0.381	667	N/A	N/A	0.381

LF = linear feet; AC = acres; CY = cubic yards; RCP = rock channel protection or the like (specify if different, i.e.. concrete block matting); N/A = Not Applicable



BEGIN PROJECT
STA. 30+25.00
SLM 14.96

END PROJECT
STA. 45+75.00
SLM 15.25

LOCATION MAP

LATITUDE: 39°05'03"N LONGITUDE: 83°08'13"W

N

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

PIK-124-14.96

NEWTON TOWNSHIP

PIKE COUNTY

PORTION TO BE IMPROVED
INTERSTATE HIGHWAY
FEDERAL ROUTES
STATE ROUTES
COUNTY & TOWNSHIP ROADS
OTHER ROADS

DESIGN DESIGNATION

CURRENT ADT (2025) *3500*
DESIGN YEAR ADT (2045) *4400*
DESIGN HOURLY VOLUME (2045) *550*
DIRECTIONAL DISTRIBUTION .... *58.5 %*
TRUCKS (24 HOUR B&C) *16*
DESIGN SPEED *60*
LEGAL SPEED *55*
DESIGN FUNCTIONAL CLASSIFICATION:
RURAL MAJOR COLLECTOR
NHS PROJECT .... *NO*

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig
OHIO811.org Before You Dig
OHIO811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)

PLAN PREPARED BY:
BG ENGINEERING GROUP, LLC
5960 WILCOX PLACE, SUITE C
DUBLIN, OHIO 43016

INDEX OF SHEETS:

FEDERAL PROJECT NUMBER

E230866

RAILROAD INVOLVEMENT

N/A

PROJECT DESCRIPTION

THE PROPOSED PROJECT WILL ADDRESS FLOODING AT S.R. 124 IN PIKE COUNTY. IMPROVEMENTS INCLUDE THE REPLACEMENT OF TWO ROADWAY CULVERTS, VERTICAL PROFILE REVISIONS, AND DRIVEWAY RECONSTRUCTION DUE TO VERTICAL PROFILE REVISIONS.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	*3.57 ACRES*
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	*0.55 ACRES*
NOTICE OF INTENT EARTH DISTURBED AREA:	*4.12 ACRES*

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

Michael G. Dombrowski
Michael G. Dombrowski
District 09 Deputy Director

Pamela Boratyn
Pamela Boratyn
Director, Department of Transportation

STANDARD CONSTRUCTION DRAWINGS					*SUPPLEMENTAL SPECIFICATIONS*	*SPECIAL PROVISIONS*
BP-3.1 1-19-24	*MT-96.11 7-21-23*				*800-2023 7-19-24*	
BP-4.1 7-19-13	*MT-96.20 7-21-23*				*832 7-19-24*	
	MT-96.26 1-18-19				*873 4-16-21*	
DM-1.1 7-17-20	*MT-101.70 4-21-23*				*902 7-19-19*	
DM-4.3 1-15-16	*MT-101.75 7-21-23*				*961 4-17-20*	
DM-4.4 1-15-16	*MT-101.90 7-17-20*					
	MT-105.10 1-17-20					
HW-2.1 7-15-22						
HW-2.2 7-20-18	*TC-41.20 10-18-13*					
	TC-42.20 10-18-13					
MGS-1.1 7-16-21	*TC-52.10 10-18-13*					
MGS-2.1 1-19-18	*TC-52.20 1-15-21*					
MGS-5.3 7-15-16	*TC-61.30 7-19-24*					
	TC-65.10 1-17-14					
RM-1.1 1-20-23	*TC-65.11 1-19-24*					
RM-4.2 7-19-24						

ENGINEER'S SEAL
ROADWAY

STATE OF OHIO
GREGORY T. BOYER
E-54301
REGISTERED
PROFESSIONAL ENGINEER

TITLE SHEET

DESIGN AGENCY
BG
www.bgengrgroup.com
5960 WILCOX PLACE, SUITE C
DUBLIN, OHIO 43016

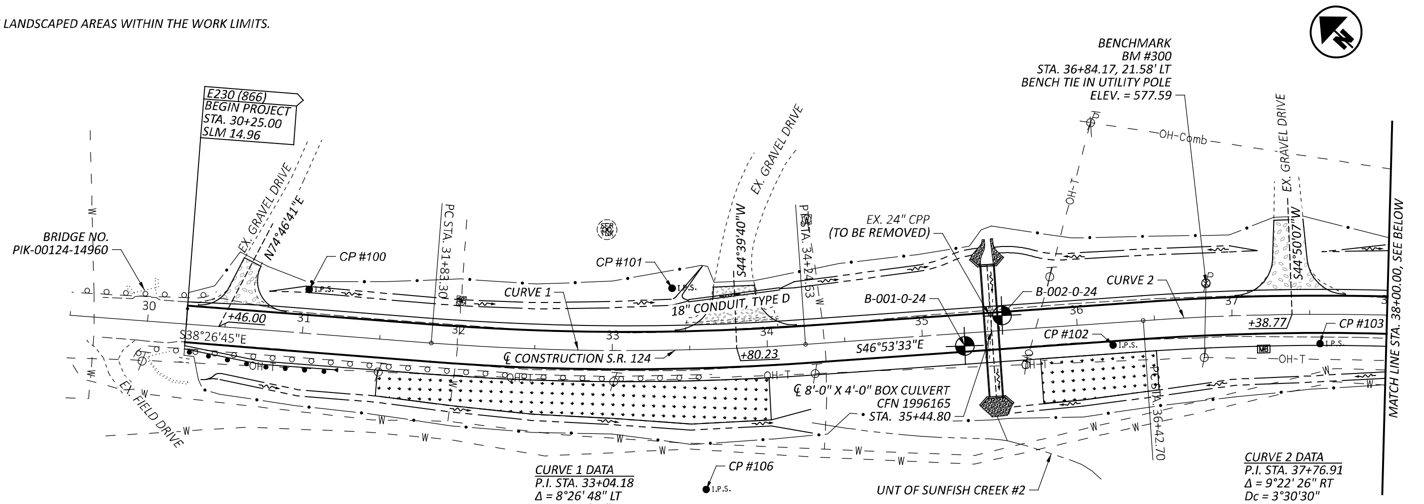
DESIGNER	LA
REVIEWER	RG 11/07/24
PROJECT ID	119782
SHEET	P.1
TOTAL	53

PIK-124-14.96

MODEL: GT001 PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 11:07:03 AM USER: jperchinske
P:\Transportation\WorkSets\117406_VAR-D09 Gen'l Eng Servs FY 23-24\404-Engineering_PIK-124-1500\Roadway\Sheets\119782_GT001.dgn

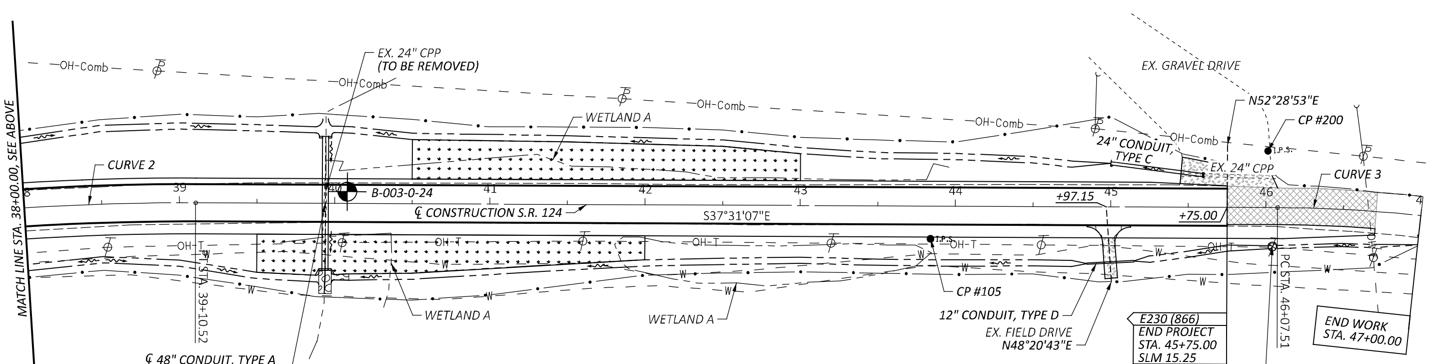
NOTES:

1. THERE ARE NO EXISTING LANDSCAPED AREAS WITHIN THE WORK LIMITS.



CURVE 1 DATA
P.I. STA. 33+04.18
Δ = 8°26' 48" LT
Dc = 3°30'30"
R = 1,637.00'
T = 120.89'
L = 241.33'
E = 4.46'
Emax = 0.074

CURVE 2 DATA
P.I. STA. 37+76.91
Δ = 9°22' 26" RT
Dc = 3°30'30"
R = 1,637.00'
T = 134.21'
L = 267.82'
E = 5.49'
Emax = 0.074



CURVE 2 DATA
P.I. STA. 37+76.91
Δ = 9°22' 26" RT
Dc = 3°30'30"
R = 1,637.00'
T = 134.21'
L = 267.82'
E = 5.49'
Emax = 0.074

RESURFACING

VEGETATED FILTER STRIP

CONTROL POINTS - GROUND COORDINATES (℄ CONSTRUCTION S.R. 124)						
CONTROL POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP #100	31+02.22	28.39' LT	395874.569	1787565.129	579.53	5/8" REBAR & CAP
CP #101	33+39.28	39.94' LT	395703.706	1787724.756	578.07	5/8" REBAR & CAP
CP #106	33+57.92	90.17' RT	395599.413	1787644.745	574.72	5/8" REBAR & CAP
CP #102	36+22.21	14.36' RT	395470.603	1787891.190	575.32	5/8" REBAR & CAP
CP #103	37+56.69	18.91' RT	395373.484	1787982.554	576.39	5/8" REBAR & CAP
CP #105	43+84.00	21.06' RT	394880.497	1788367.337	577.70	5/8" REBAR & CAP
CP #200	46+01.19	36.42' LT	394743.290	1788545.201	589.78	5/8" REBAR & CAP

BENCHMARK
BM #100
STA. 46+04.29, 24.97' RT
BENCH TIE IN TELEPHONE POLE
ELEV. = 589.88

CURVE 3 DATA
P.I. = STA. 47+67.11
Δ = 20°06'45" RT
Dc = 06°21'58"
R = 900.00'
T = 159.6'
L = 315.93'
E = 14.04'

HORIZONTAL SCALE IN FEET
0 20 40 80

SCHEMATIC PLAN
S.R. 124

DESIGN AGENCY
BG
www.bgeng.com
5960 WILCOX PLACE, SUITE C
DUBLIN, OHIO 43016

DESIGNER	LA
REVIEWER	RG 11/07/24
PROJECT ID	119782
SHEET	P.2
TOTAL	53

PIK-124-14.96

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PIK-124-14.96

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ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS, EVEN THOUGH OTHERWISE SHOWN.

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN OR ADJACENT TO THE PROJECT CONSTRUCTION LIMITS, TOGETHER WITH THEIR RESPECTIVE OWNERS.

AMERICAN ELECTRIC POWER (DISTRIBUTION) *38831 STATE ROUTE 7* *REEDSVILLE, OHIO 45772* *MR. CLARKE SAUNDERS* *740-985-3054*	*CHARTER COMMUNICATIONS* *32 ENTERPRISE DRIVE* *CHILICOTHE, OHIO 45601* *AARON KEMPTON* *740-648-3091*
FRONTIER COMMUNICATIONS *1315 ALBERT STREET* *PORTSMOUTH, OHIO 45662* *MS. DENA MARTIN* *740-354-0521*	*PIKE WATER, INC.* *P.O. BOX 191* *WAVERLY, OHIO 45690* *MR. FARON YOUNG* *740-947-2524*

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

EXISTING PLANS

EXISTING PLANS ENTITLED PIK-104-(0.00-3.62) MAY BE INSPECTED IN THE ODOT DISTRICT 9 OFFICE IN CHILLICOTHE, OH.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE THIS SHEET FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD: ODOT VRS
MONUMENT TYPE: TYPE B
VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: GEOID 18

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83 (2011)
ELLIPSOID: GRS80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLANE, SOUTH ZONE
COMBINED SCALE FACTOR: 1.00007273
ORIGIN OF COORDINATE SYSTEM: 0, 0

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

CLEARING AND GRUBBING

THE DEPARTMENT HAS NOT MARKED INDIVIDUAL TREES AND STUMPS FOR REMOVAL. UNLESS SPECIFICALLY DESIGNATED AS "DO NOT DISTURB" IN THE PLANS, REMOVE ALL TREES AND STUMPS WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR ITEM 201 CLEARING AND GRUBBING.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

ITEM 204 - PROOF ROLLING

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING.

ITEM 204 - PROOF ROLLING 4 HOUR

CONNECTION BETWEEN EXISTING AND PROPOSED GUARDRAIL

WHEN IT IS NECESSARY TO SPLICE PROPOSED GUARDRAIL TO EXISTING GUARDRAIL, ONLY THE EXISTING GUARDRAIL SHALL BE CUT, DRILLED, OR PUNCHED. THE CONNECTION SHALL BE MADE USING A W-BEAM, BEAM SPLICE AS SHOWN IN AASHTO M 180-12, EXCEPT THE BEAM WASHERS ARE NOT TO BE USED. PAYMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RESPECTIVE GUARDRAIL ITEMS.

ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE GUARDRAIL END TERMINALS FOR TYPE MGS GUARDRAIL AS LISTED ON ROADWAY ENGINEERING'S WEB PAGE UNDER ROADSIDE SAFETY DEVICES FOR APPROVED GUARDRAIL END TREATMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH A SHEET OF TYPE G REFLECTIVE SHEETING, PER CMS 730.19.

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE E, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALL RELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659, TOPSOIL	*1063 CU. YD.*
659, SEEDING AND MULCHING	*9575 SQ. YD.*
659, COMMERCIAL FERTILIZER	*1.29 TON*
659, LIME	*1.98 ACRES*
659, WATER	*52 M. GAL.*

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

ENDANGERED BAT HABITAT

ENSURE IMPACTS TO THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT AND THE STATE LISTED AND PROTECTED LITTLE BROWN BAT AND TRICOLORED BAT ARE AVOIDED AND MINIMIZED. DO NOT REMOVE TREES FROM APRIL 1 THROUGH SEPTEMBER 30. PERFORM ALL NECESSARY TREE REMOVAL FROM OCTOBER 1 THROUGH MARCH 31. DEMARCATE CLEARING LIMITS IN THE FIELD TO AVOID ANY UNAUTHORIZED TREE CLEARING. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

POST CONSTRUCTION STORM WATER TREATMENT

THIS PLAN UTILIZES STRUCTURAL BEST MANAGEMENT PRACTICES (BMP'S) FOR POST CONSTRUCTION STORM WATER TREATMENT.

VEGETATED FILTER STRIP

THIS PLAN UTILIZES VEGETATED FILTER STRIP(S) FOR POST CONSTRUCTION STORM WATER TREATMENT. PLACE EITHER ITEM 660 SODDING OR ITEM 659 SEEDING AND MULCHING WITH A 4-INCH LIFT OF TOPSOIL AND ITEM 670, SLOPE EROSION PROTECTION TO ALL DISTURBED AREAS DESIGNATED AS VEGETATED FILTER STRIPS, THE EDGE OF SHOULDER, AND THE FORESLOPE AS SPECIFIED IN THE PLANS.

ITEM 605 - AGGREGATE DRAINS

AGGREGATE DRAINS SHALL BE PLACED AT 50 FOOT INTERVALS ON EACH SIDE OF NORMAL CROWNED SECTIONS, STAGGERED SO THAT EACH DRAIN IS 25 FEET FROM THE ADJACENT DRAIN ON THE OPPOSITE SIDE, AND AT 25 FOOT INTERVALS ON THE LOW SIDE ONLY OF SUPERELEVATED SECTIONS. AN AGGREGATE DRAIN SHALL BE PLACED AT THE LOW POINT OF EACH SAG VERTICAL CURVE.

ITEM SPECIAL - MAILBOX REMOVED AND RESET

THE MAILBOX SHALL BE SECURELY AND NEATLY RESET BY THE CONTRACTOR. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ATTACHMENT HARDWARE (NUTS, BOLTS, PLATES, SPACERS, AND WASHERS) AS NECESSARY TO ACCOMMODATE THE COMPLETE INSTALLATION.

THE CONTRACTOR SHALL SALVAGE THE EXISTING BOX AND SUPPORT. DUE CARE SHALL BE EXERCISED IN SUCH AN OPERATION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY BOX DAMAGED BY IMPROPER HANDLING ON HIS PART, AS JUDGED AND DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE LOCAL POST MASTER REGARDING THE TIMING OF THE MOVEMENT OF ANY MAILBOX TO A NEW LOCATION.

PAYMENT UNDER THIS ITEM SHALL BE LIMITED TO FINAL PERMANENT INSTALLATIONS. TEMPORARY INSTALLATIONS SHALL BE IN ACCORDANCE WITH 107.10. HOWEVER, THE SAME MATERIAL AND SIZE LIMITATIONS AS FOR PERMANENT INSTALLATIONS SHALL APPLY.

MAILBOX SUPPORTS, COMPLETE IN PLACE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH, FOR ITEM SPECIAL MAILBOX REMOVED AND RESET.

FARM DRAINS

PROVIDE UNOBSTRUCTED OUTLETS TO ALL FARM DRAINS ENCOUNTERED DURING CONSTRUCTION. REPLACE EXISTING COLLECTORS WHICH ARE LOCATED BELOW THE ROADWAY DITCH ELEVATIONS, AND WHICH CROSS THE ROADWAY WITHIN THE (RIGHT OF WAY)(CONSTRUCTION) LIMITS WITH ITEM 611, CONDUIT, TYPE B, ONE COMMERCIAL SIZE LARGER THAN THE EXISTING CONDUIT.

OUTLET EXISTING COLLECTORS AND ISOLATED FARM DRAINS, WHICH ARE ENCOUNTERED ABOVE THE ELEVATION OF ROADWAY DITCHES INTO THE ROADWAY DITCH USING ITEM 611, TYPE F CONDUIT. THE OPTIMUM OUTLET ELEVATION IS ONE FOOT ABOVE THE FLOWLINE ELEVATION OF THE DITCH. INTERCEPT LATERAL FIELD TILES WHICH CROSS THE ROADWAY WITH ITEM 611, TYPE E CONDUIT, AND CARRY IN A LONGITUDINAL DIRECTION TO AN ADEQUATE OUTLET OR ROADWAY CROSSING.

THE LOCATION, TYPE, SIZE AND GRADE OF REPLACEMENTS IS DETERMINED BY THE ENGINEER AND PAYMENT MADE ON FINAL MEASUREMENTS.

PROVIDE EROSION CONTROL PADS AT THE OUTLET END OF ALL FARM DRAINS PER STANDARD CONSTRUCTION DRAWING DM-1.1, EXCEPT WHEN THEY OUTLET INTO A DRAINAGE STRUCTURE.

PAYMENT FOR THE EROSION CONTROL PADS AND ANY NECESSARY BENDS OR BRANCHES IS INCLUDED FOR PAYMENT IN THE PERTINENT CONDUIT ITEMS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM 611, 6" CONDUIT, TYPE E 50 FT
ITEM 611, 6" CONDUIT, TYPE F 50 FT

AGGREGATE DRAINS

LT	STATION	RT	LT	STATION	RT	LT	STATION	RT	LT	STATION	RT	LT	STATION	RT	LT	STATION	RT
	30+25	10	12	33+25			36+25	10		39+25	10		42+25	10	9	45+25	
	30+50	8	14	33+50			36+50	10		39+50	10	14	42+50			45+50	7
	30+75			33+75			36+75	10		39+75	10		42+75	10		45+75	
	31+00		12	34+00			37+00	10		40+00		14	43+00		254		295
	31+25		13	34+25			37+25	10		40+25	10		43+25	10		549 FT	
	31+50		14	34+50			37+50	10	14	40+50		13	43+50				
	31+75*		14	34+75			37+75	10		40+75	10	13	43+75*	10			
	32+00		14	35+00			38+00	10	14	41+00		13	44+00				
	32+25			35+25			38+25	10		41+25	10		44+25	10			
	32+50			35+50			38+50	10	14	41+50			44+50	10			
	32+75			35+75	10		38+75	10		41+75	10	9	44+75				
11	33+00			36+00	10		39+00	10	14	42+00		9	45+00				

** = LOW POINT*

NOTE:
AGGREGATE DRAINS THAT ARE NOT SHOWN ON EITHER SIDE OF S.R. 124 AT VARIOUS STATIONS IN THE TABLE ABOVE CAN NOT BE PROVIDED ON THE LOW SIDE OF THE SUPERELEVATION AREAS SINCE THE PROPOSED DITCH IS TOO SHALLOW.

GENERAL NOTES

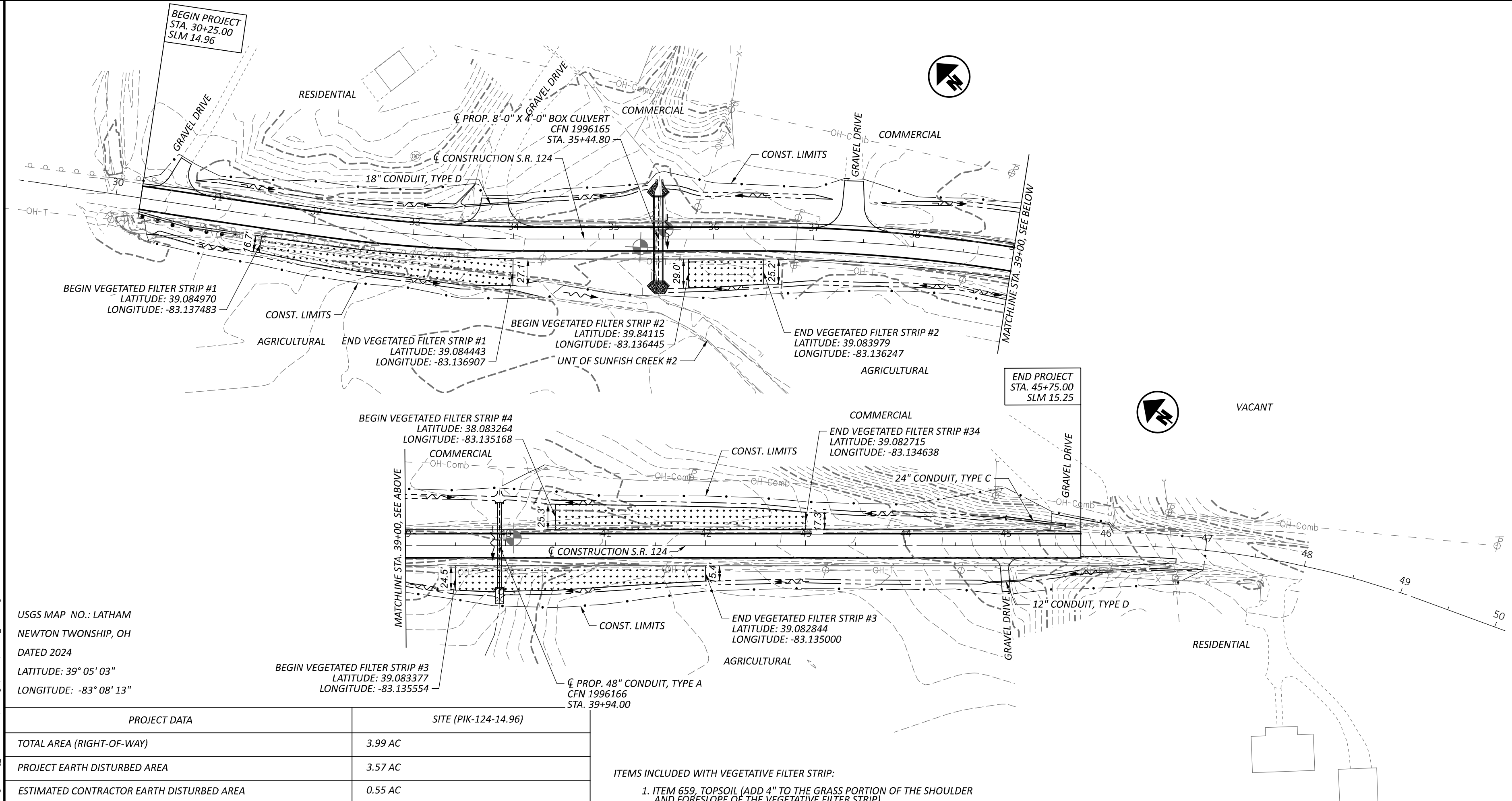
DESIGN AGENCY
BG
www.bgengroup.com
5960 WILCOX PLACE, SUITE C
DUBLIN, OHIO 43016

DESIGNER
EAK

REVIEWER
RG 11/07/24

PROJECT ID
119782

SHEET P.6 TOTAL 53



USGS MAP NO.: LATHAM

NEWTON TWONSHIP, OH

DATED 2024

LATITUDE: 39° 05' 03"

LONGITUDE: -83° 08' 13"

PROJECT DATA	SITE (PIK-124-14.96)
TOTAL AREA (RIGHT-OF-WAY)	3.99 AC
PROJECT EARTH DISTURBED AREA	3.57 AC
ESTIMATED CONTRACTOR EARTH DISTURBED AREA	0.55 AC
NOTICE OF INTENT EARTH DISTRUBED AREA	4.12 AC
IMPERVIOUS (PAVED) AREA FOR PRE-CONSTRUCTION SITE	0.97 AC
IMPERVIOUS (PAVED) AREA FOR POST CONSTRUCTION SITE	1.34 AC
RUNOFF COEFFICIENT FOR PRE-CONSTRUCTION SITE	0.75
RUNOFF COEFFICIENT FOR POST CONSTRUCTION SITE	0.65
IMMEDIATE RECEIVING WATERS	SUNFISH CREEK
SUBSEQUENT RECEIVING WATER	SCIOTO RIVER
POST CONSTRUCTION BMP	VEGETATED FILTER STRIP
SOIL MAP PIKE COUNTY, OHIO (OH015)	C1, Omu1B1, Ss, TsF, Wya1B1

ITEMS INCLUDED WITH VEGETATIVE FILTER STRIP:

1. ITEM 659, TOPSOIL (ADD 4" TO THE GRASS PORTION OF THE SHOULDER AND FORESLOPE OF THE VEGETATIVE FILTER STRIP).
2. ITEM 670, SLOPE EROSION PROTECTION.

BMP	STATION		AREA TREATED	DITCH WIDTH	FILTER WIDTH	LOCATION	LATITUDE	LONGITUDE
	FROM	TO						
VEGETATED FILTER STRIP #1	31+50	34+00	0.17 AC	N/A	VARIES 16.7' - 27.1'	BEGIN END	39.084970 39.084443	-83.137483 -83.136907
VEGETATED FILTER STRIP #2	35+75	36+50	0.10 AC	N/A	VARIES 29.0' - 25.2'	BEGIN END	39.084115 39.083979	-83.136445 -83.136247
VEGETATED FILTER STRIP #3	39+50	42+00	0.26 AC	N/A	VARIES 24.5' - 15.4'	BEGIN END	39.083377 39.082844	-83.135554 -83.135000
VEGETATED FILTER STRIP #4	40+50	43+00	0.21 AC	N/A	VARIES 25.3' - 17.3'	BEGIN END	39.083264 39.082715	-83.135168 -83.134638
	TOTAL TREATMENT		0.74 AC	0.74 AC. > 0.71 AC.; OK				

VEGETATED FILTER STRIP

ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FABRIC (2'-6" THICK)

PROJECT DESCRIPTION

THE PROPOSED PROJECT WILL ADDRESS FLOODING AT S.R. 124 IN PIKE COUNTY. IMPROVEMENTS INCLUDE THE REPLACEMENT OF TWO ROADWAY CULVERTS, VERTICAL PROFILE REVISIONS, AND DRIVEWAY RECONSTRUCTION DUE TO VERTICAL PROFILE REVISIONS.

HORIZONTAL SCALE IN FEET
0 25 50 100

PROJECT SITE PLAN
S.R. 124

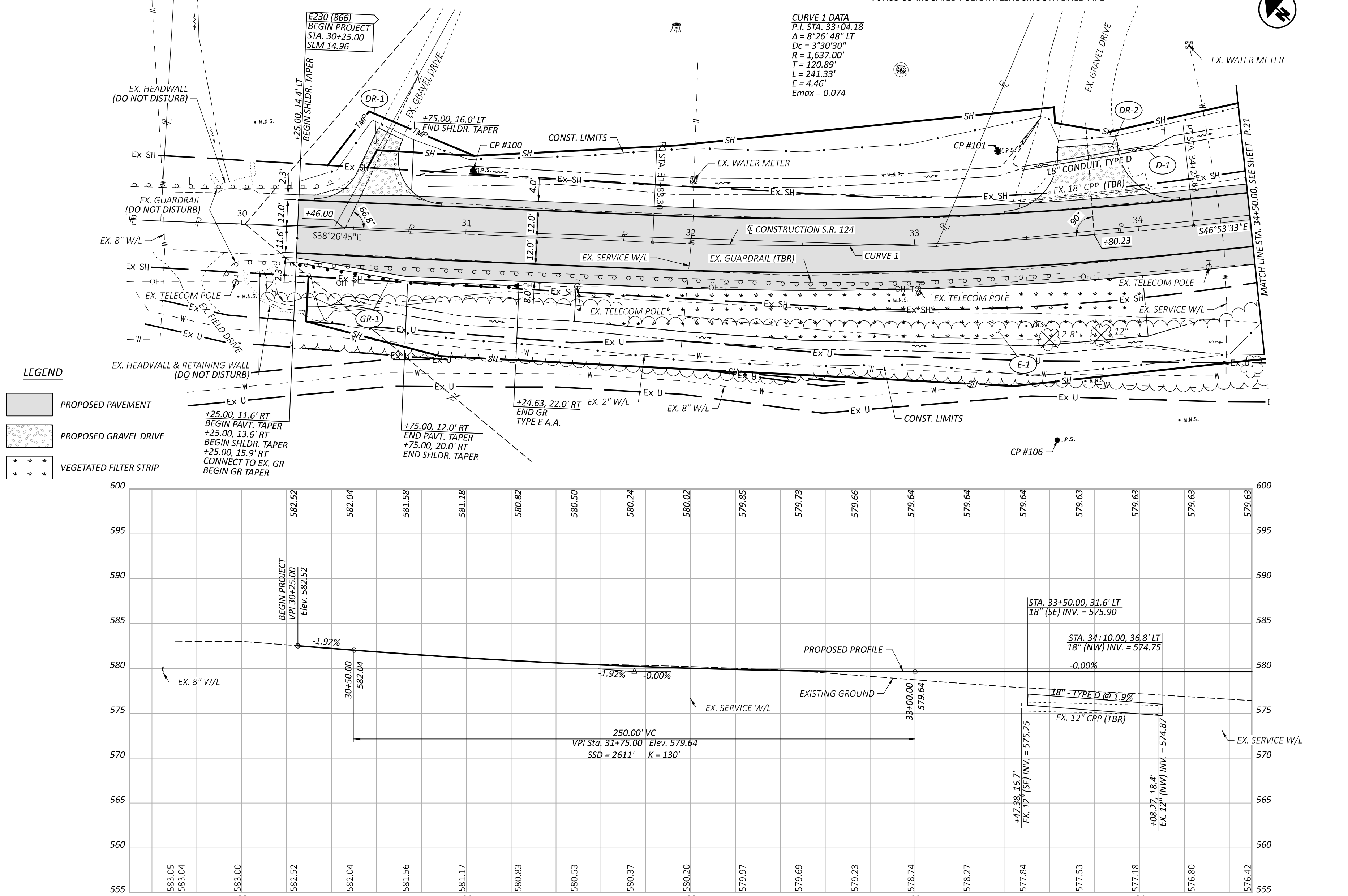
DESIGN AGENCY
BG
www.bgarcgroup.com
6960 WILCOX PLACE, SUITE C
DUBLIN, OHIO 43016

DESIGNER JEP
REVIEWER RG 11/07/24
PROJECT ID 119782
SHEET P.19 TOTAL 53

PIK-124-14.96

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 10:33:49 AM USER: jperchinske
P:\Transportation\WorkSets\117406_VAR-D09 Geol Eng Servs FY 23-24\404-Engineering_PIK-124-1500\Drainage\Sheets\119782_DE001.dgn

ALLOWABLE PIPE MATERIALS FOR 18" CONDUIT INCLUDE:
- 707.01 OR 707.02 METALLIC COATED (ALUMINIZED)
- 706.01 NON-REINFORCED CONCRETE PIPE
- 707.33 CORRUGATED POLYETHYLENE SMOOTH LINED PIPE



PIK-124-14.96

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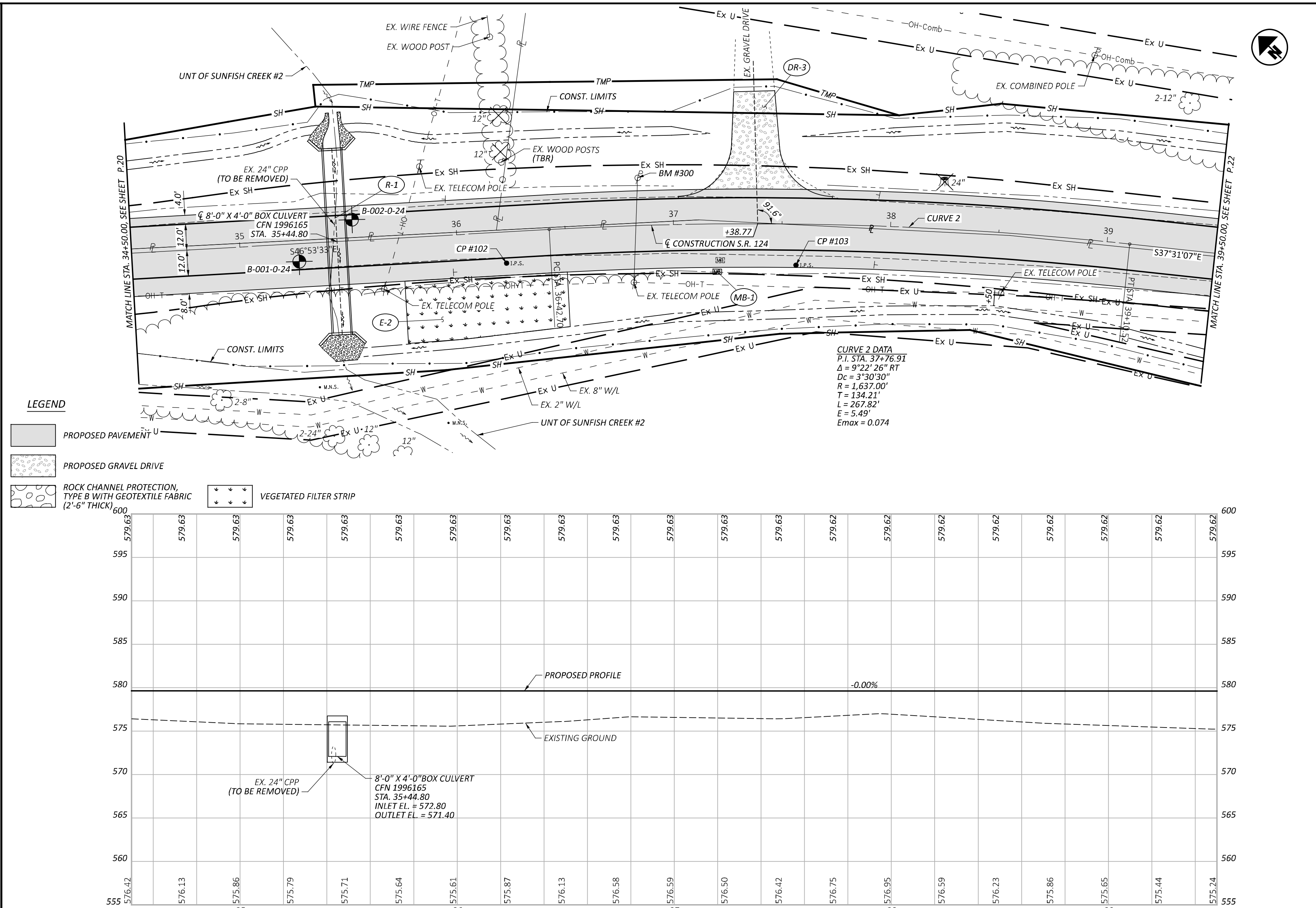
PLAN AND PROFILE - S.R. 124
STA. 30+00.00 TO STA. 34+50.00

DESIGN AGENCY
BG
www.bgeinggroup.com
5960 WILCOX PLACE, SUITE C
DUBLIN, OHIO 43016

DESIGNER	EAK
REVIEWER	RG 11/07/24
PROJECT ID	119782
SHEET	P.20
TOTAL	53



LEGEND

- PROPOSED PAVEMENT
- PROPOSED GRAVEL DRIVE
- ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FABRIC (2'-6" THICK)
- VEGETATED FILTER STRIP

PLAN AND PROFILE - S.R. 124
STA. 34+50.00 TO STA. 39+50.00

DESIGN AGENCY	BG, www.bgaengroup.com, 5960 WILCOX PLACE, SUITE C, DUBLIN, OHIO 43016
DESIGNER	EAK
REVIEWER	RG 11/07/24
PROJECT ID	119782
SHEET	P.21
TOTAL	53

PIK-124-14.96

MODEL: GP002 PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 10:59:20 AM USER: jperchinske
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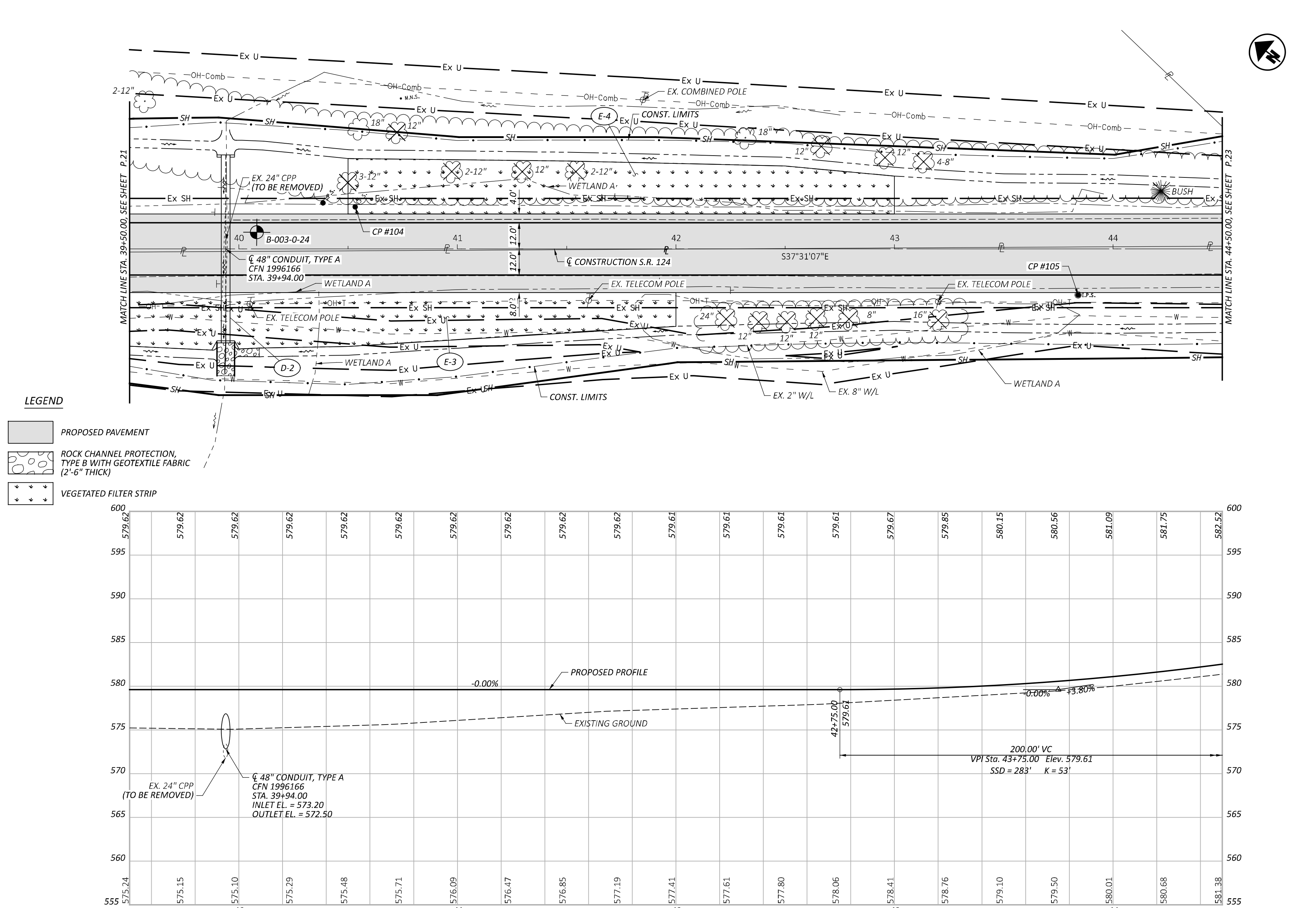

PLAN AND PROFILE - S.R. 124
STA. 39+50.00 TO STA. 44+50.00

PIK-124-14.96

MODEL: GP003 PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 11:01:30 AM USER: jperchinske
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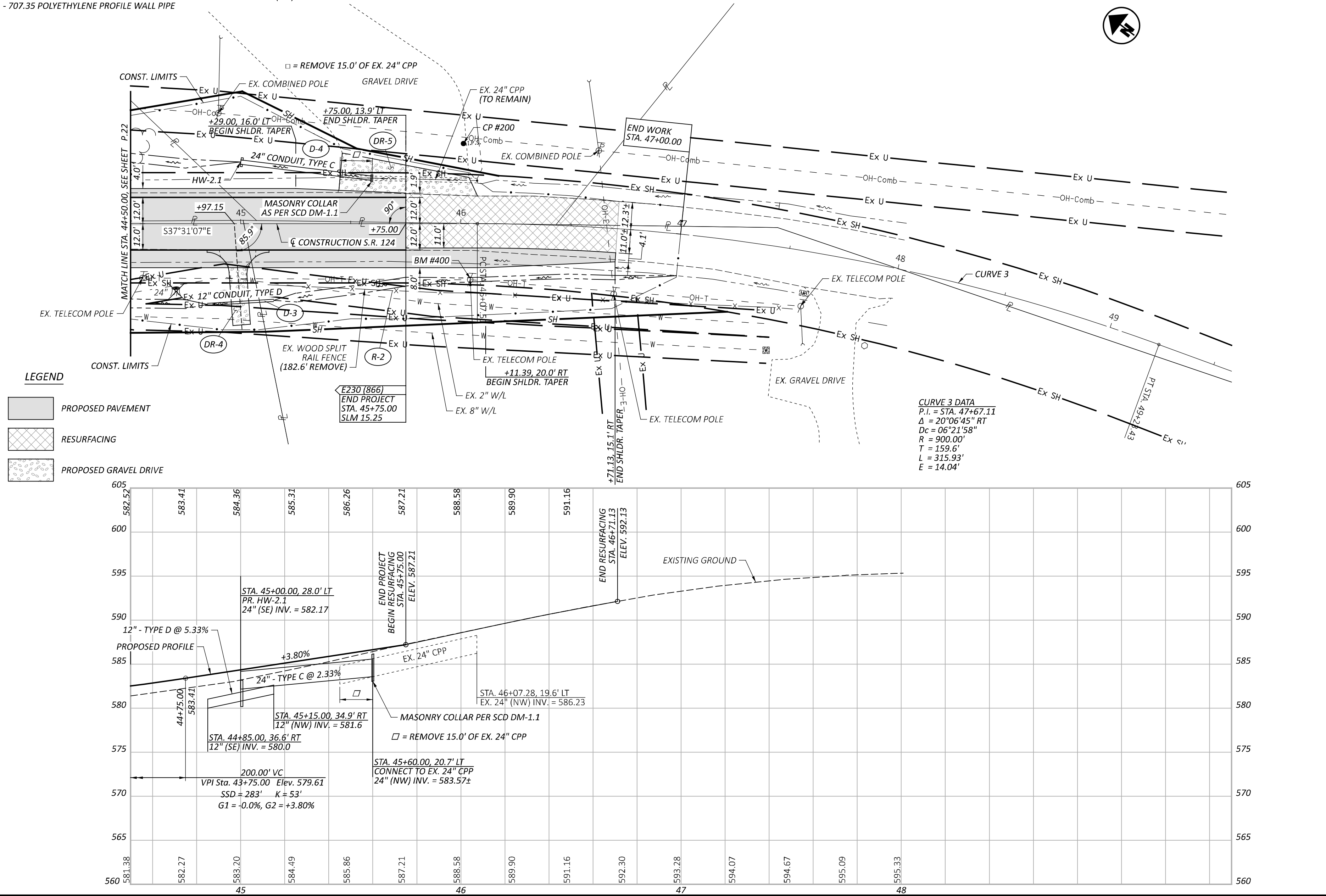
DESIGN AGENCY: BG, www.bgeng group.com, 6960 WILCOX PLACE, SUITE C, DUBLIN, OHIO 43016

DESIGNER	EAK
REVIEWER	RG 11/07/24
PROJECT ID	119782
SHEET	P.22
TOTAL	53

ALLOWABLE PIPE MATERIALS FOR 24" CONDUIT INCLUDE:
- 707.33 CORRUGATED POLYETHYLENE SMOOTH LINED PIPE
- 707.34 POLYETHYLENE PLASTIC PIPE BASED ON OUTSIDE DIAMETER (OD)
- 707.35 POLYETHYLENE PROFILE WALL PIPE



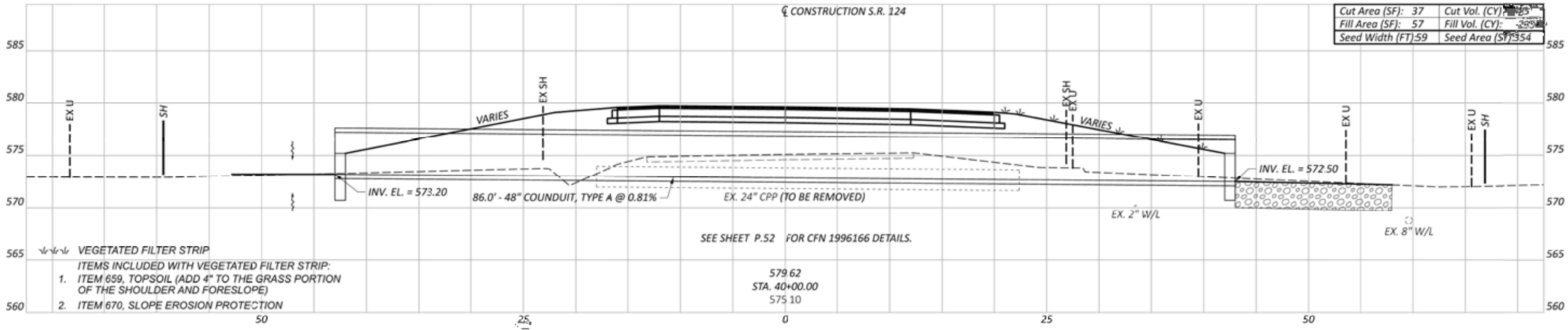
PLAN AND PROFILE - S.R. 124
STA. 44+50.00 TO STA. 46+00.00

PIK-124-14.96

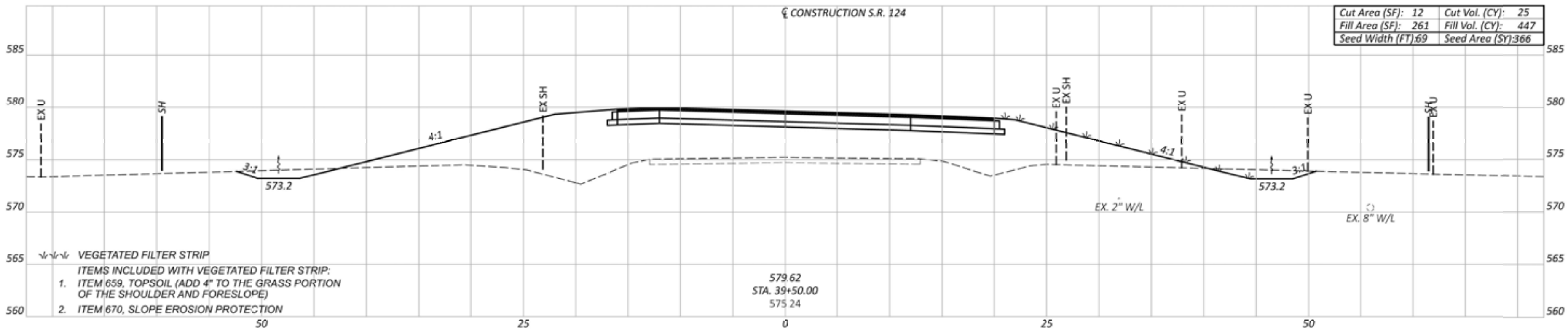
MODEL: GP004 PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 11:05:46 AM USER: jperchinske
P:\Transportation\WorkSets\117406_VAR-D09 Genl Eng Servs FY 23-24\404-Engineering_PIK-124-1500\Roadway\Sheets\119782_GP004.dgn

DESIGN AGENCY
BG
www.bgeng.group.com
5960 WILCOX PLACE, SUITE C
DUBLIN, OHIO 43016

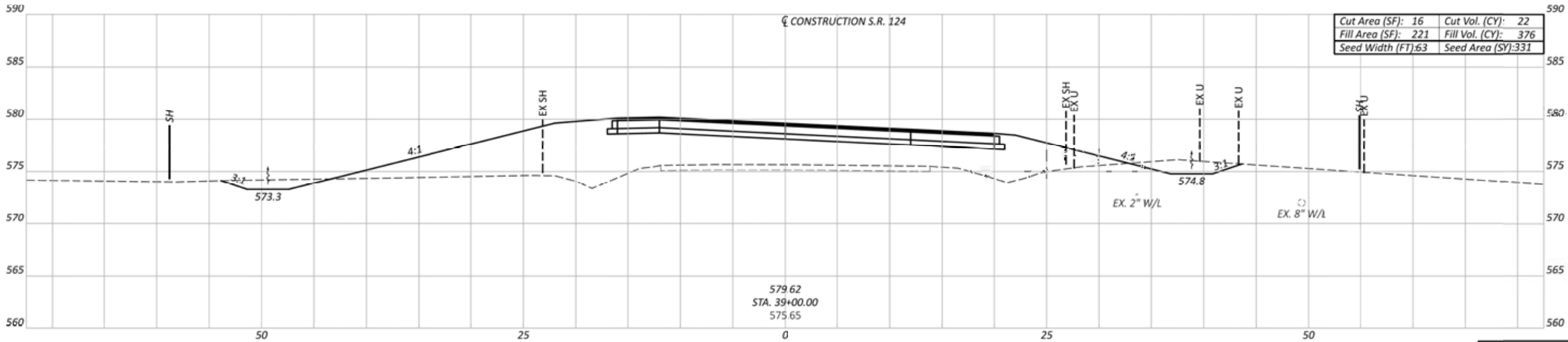
DESIGNER	EAK
REVIEWER	RG 11/07/24
PROJECT ID	119782
SHEET	P.23
TOTAL	53



Cut Area (SF): 37	Cut Vol. (CY): [illegible]
Fill Area (SF): 57	Fill Vol. (CY): [illegible]
Seed Width (FT):59	Seed Area (SY):354



Cut Area (SF): 12	Cut Vol. (CY): 25
Fill Area (SF): 261	Fill Vol. (CY): 447
Seed Width (FT):69	Seed Area (SY):366



Cut Area (SF): 16	Cut Vol. (CY): 22
Fill Area (SF): 221	Fill Vol. (CY): 376
Seed Width (FT):63	Seed Area (SY):331

CROSS SECTIONS - S.R. 124
STA. 39+00.00 TO STA. 40+00.00

Sheet Totals		
Seeding	Cut	Fill
1051	92	1118

DESIGN AGENCY

DESIGNER EAK

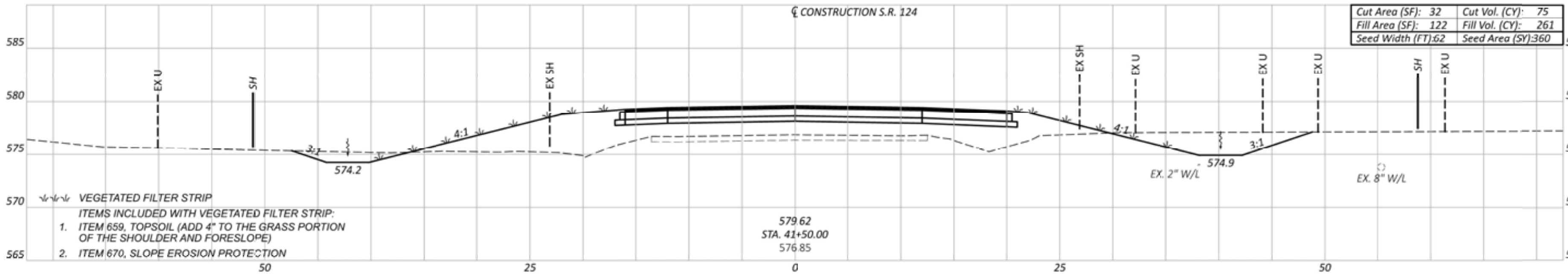
REVIEWER RG 11/07/24

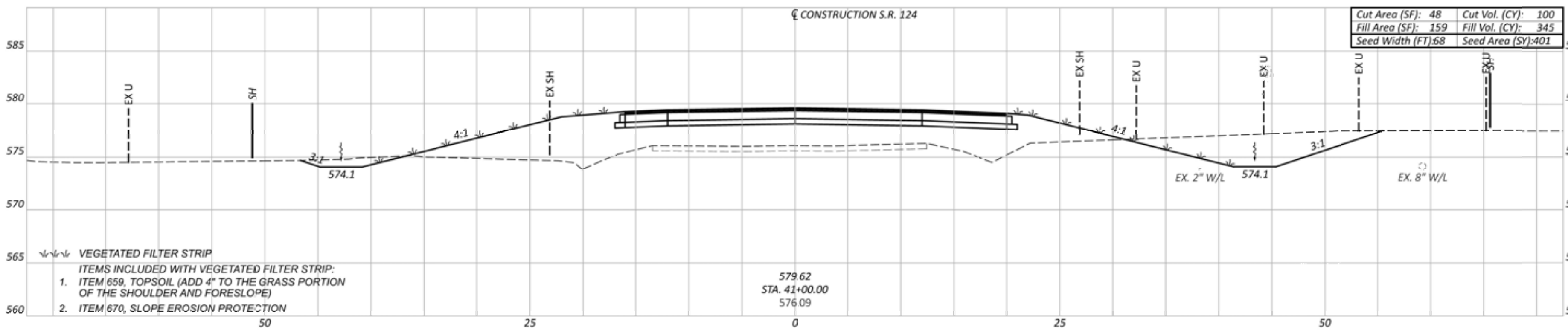
PROJECT ID 119782

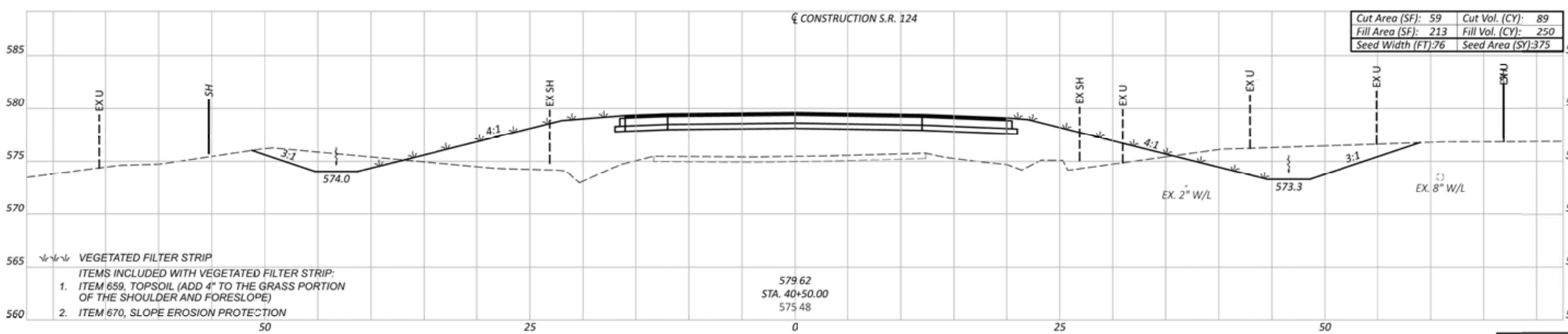
SHEET P.32 TOTAL 53

PIK-124-14.96

MODEL: GS009 PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 10:35:21 AM USER: jperchinske







CROSS SECTIONS - S.R. 124
STA. 40+50.00 TO STA. 41+50.00

PIK-124-14.96

MODEL: GS010 PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 10:35:33 AM USER: jperchinske
P:\Transportation\WorkSets\117406_VAR-D09 Genl Eng Servs FY 23-24\404-Engineering_PIK-124-15.00\Roadway\Sheets\119782_XS001.dgn

Sheet Totals		
Seeding	Cut	Fill
1136	264	856

DESIGN AGENCY
BG
5960 WILCOX PLACE, SUITE C
DUBLIN, OHIO 43016
www.bgengineering.com

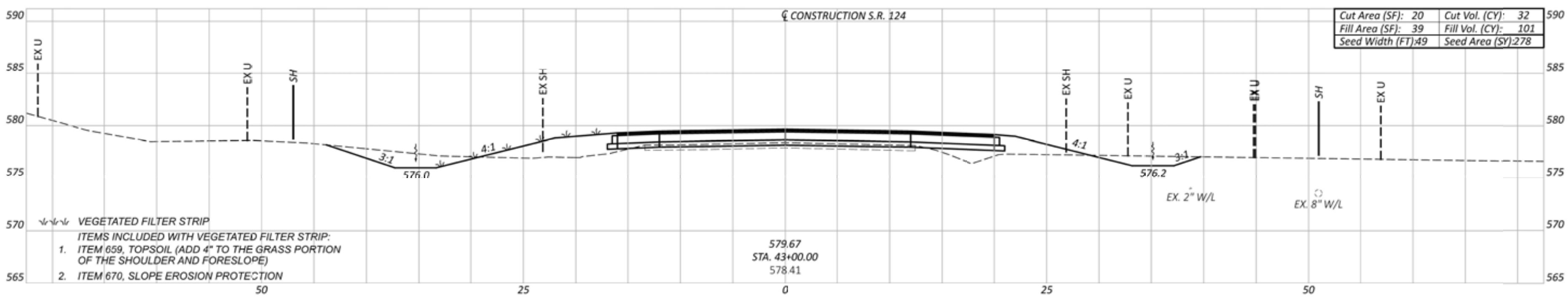
DESIGNER
EAK

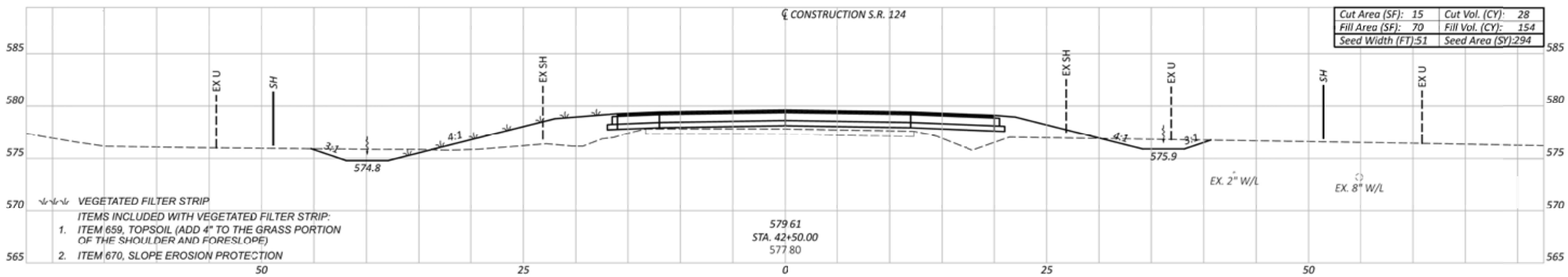
REVIEWER
RG 11/07/24

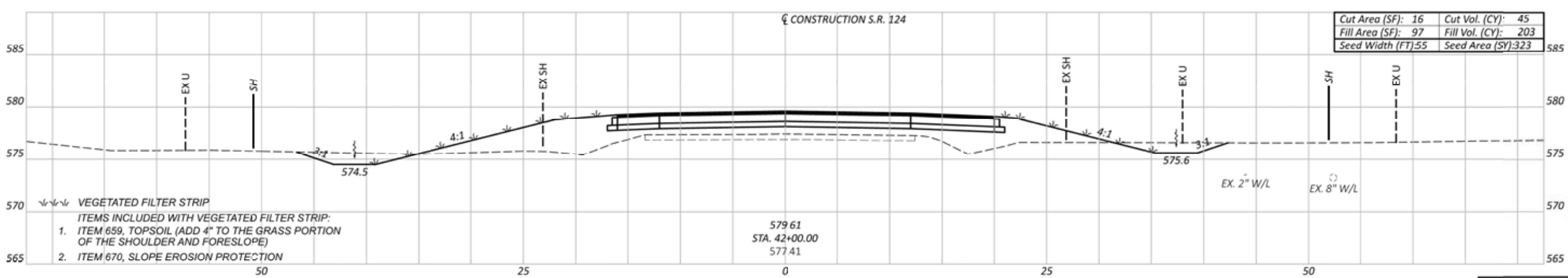
PROJECT ID
119782

SHEET P.33
TOTAL 53

CROSS SECTIONS - S.R. 124
STA. 42+00.00 TO STA. 43+00.00







Sheet Totals		
Seeding	Cut	Fill
895	105	458

DESIGN AGENCY: BG — 5960 WILCOX PLACE, SUITE C, DUBLIN, OHIO 43016 — www.bgengrgroup.com

DESIGNER: EAK

REVIEWER: RG 11/07/24

PROJECT ID: 119782

SHEET: P.34 TOTAL: 53

PIK-124-14.96

MODEL: GS011 PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 10:35:45 AM USER: jperchinske
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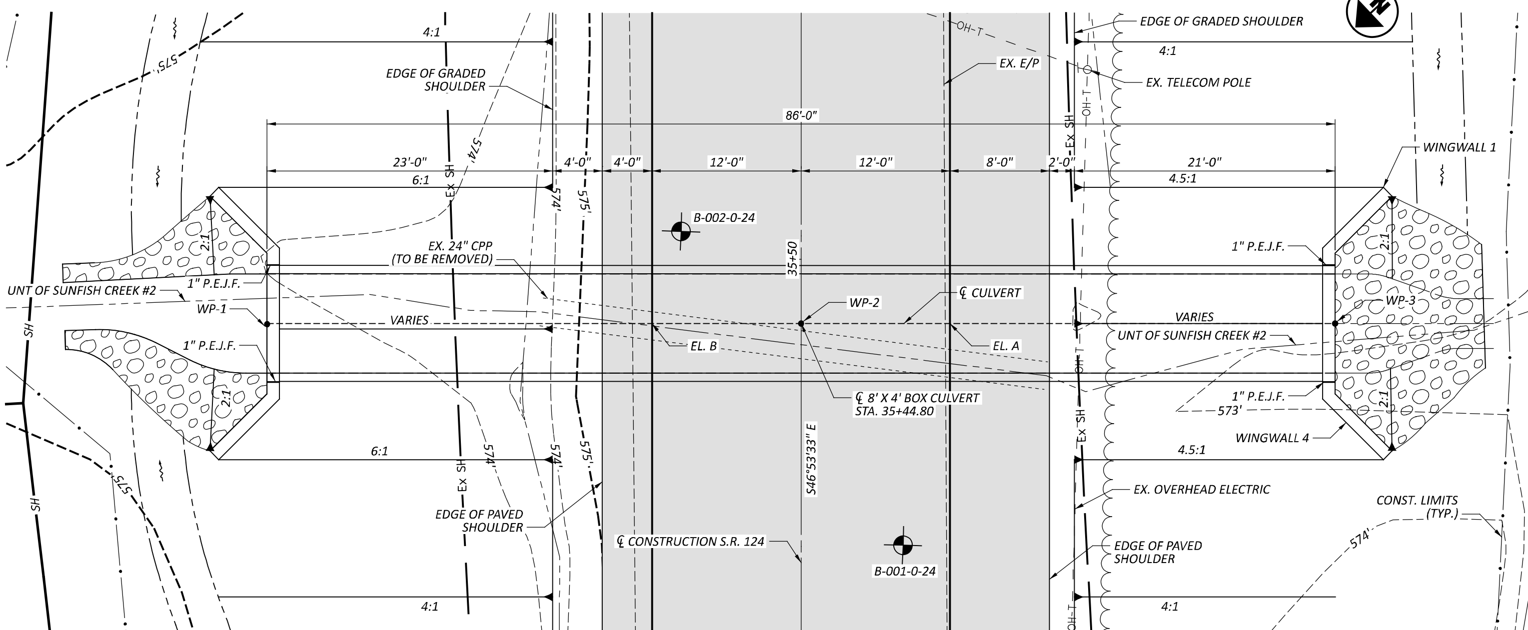
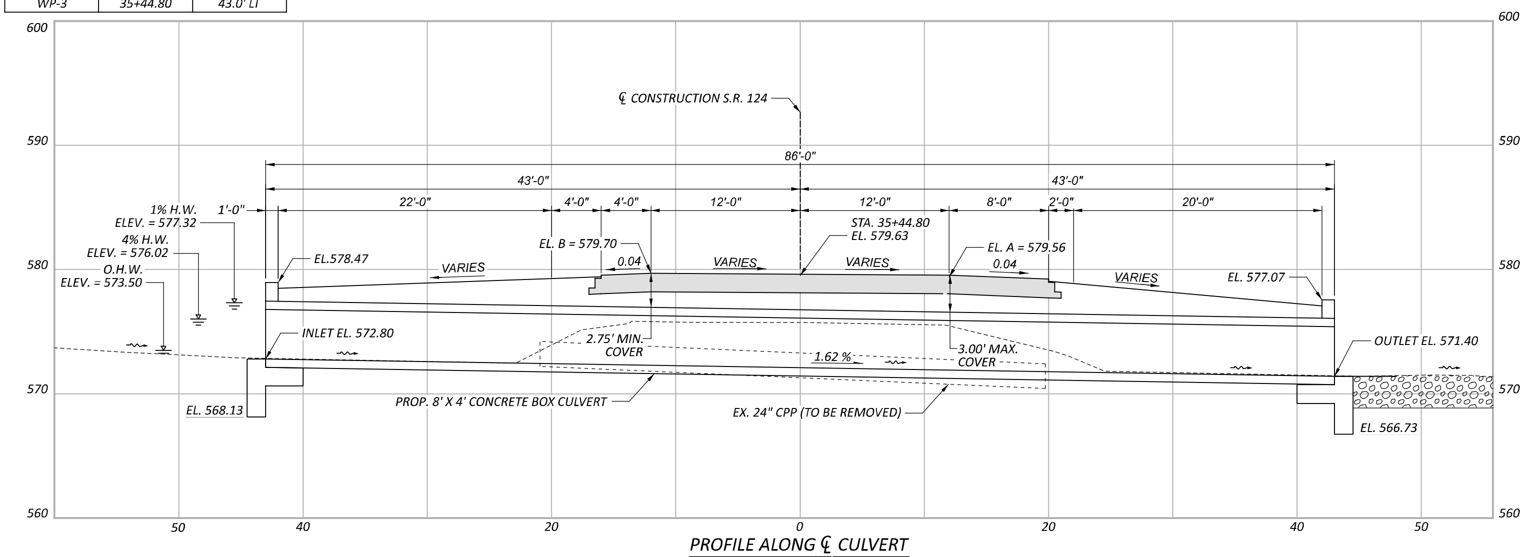


PLAN

WORK POINT	STATION	OFFSET
WP-1	35+44.80	43.0' RT
WP-2	35+44.80	0.0' ℄
WP-3	35+44.80	43.0' LT



PROFILE ALONG ℄ CULVERT

HYDRAULIC DATA

DRAINAGE AREA = 52.22 ACRES
Q (4%) = 121.0 CFS V (4%) = 14.26 FT/S HW (4%) = 576.02 FT
Q (1%) = 196.0 CFS V (1%) = 16.77 FT/S HW (1%) = 577.32 FT
ORDINARY HIGH WATER MARK: 573.50 FT
ABRASION LEVEL: 1 (NON-ABRASIVE)
EXISTING WATERWAY OPENING : 3.14 SQ. FT.
PROPOSED WATERWAY OPENING: 32 SQ. FT.
DESIGN SERVICE LIFE: 75 YEARS
PH : 7.6

HORIZONTAL SCALE IN FEET 0 5 10 20

EXISTING STRUCTURE

TYPE: CORRUGATED PLASTIC PIPE
SIZE: 24" DIA.
SKEW: 0°±
ALIGNMENT: TANGENT
DATE BUILT: UNKNOWN
CONDITION: POOR
CFN: 1856943

PROPOSED STRUCTURE

TYPE: 8' X 4' CONCRETE BOX CULVERT
SKEW: 0°
ALIGNMENT: TANGENT
ROADWAY WIDTH: 36'-0" SHOULDER/SHOULDER
DESIGN SERVICE LIFE: 75 YEARS
CFN : 1996165

ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FABRIC (2'-6" THICK)

PROPOSED FULL DEPTH PAVEMENT

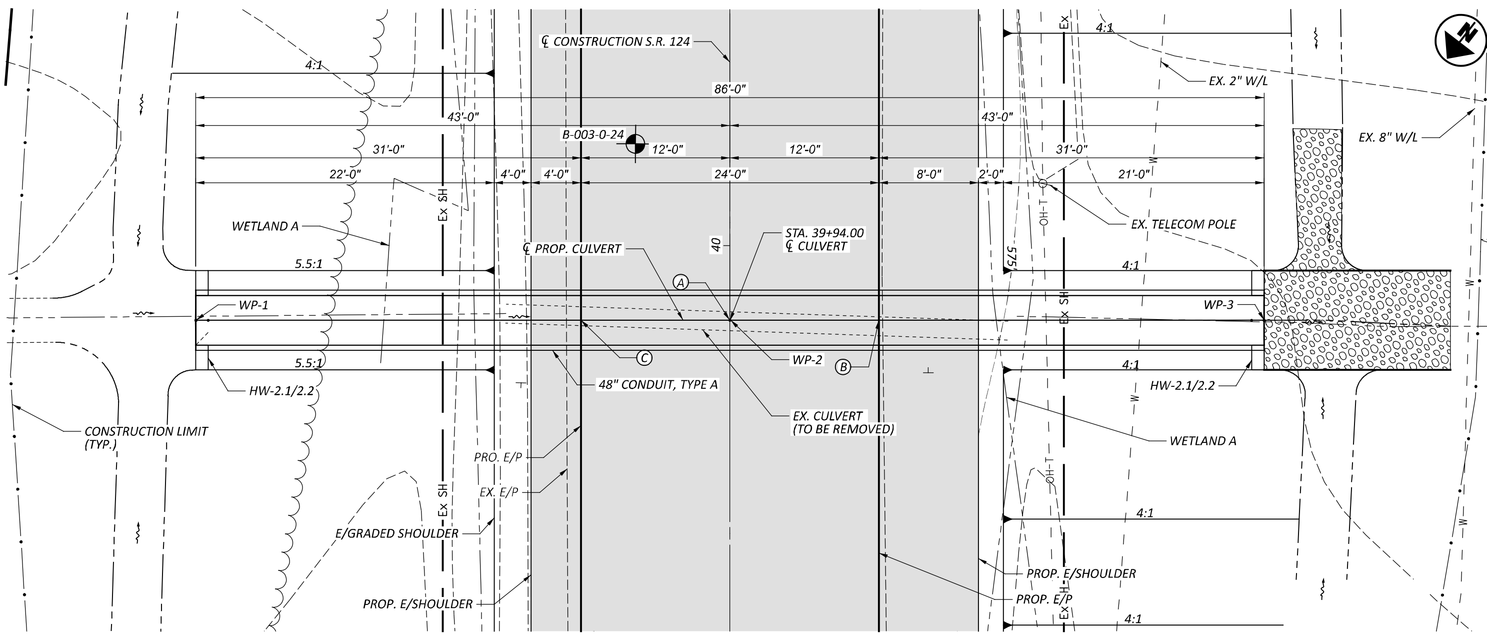
CULVERT PLAN AND PROFILE
CULVERT NO. 1996165
S.R.124 OVER TRIBUTARY OF SUNFISH CREEK

DESIGN AGENCY
BG
www.bgwebgroup.com
5960 WILCOX PLACE, SUITE C
DUBLIN, OHIO 43016

DESIGNER: EAK
REVIEWER: GTB 11/07/24
PROJECT ID: 119782
SHEET: P.44 TOTAL: 53

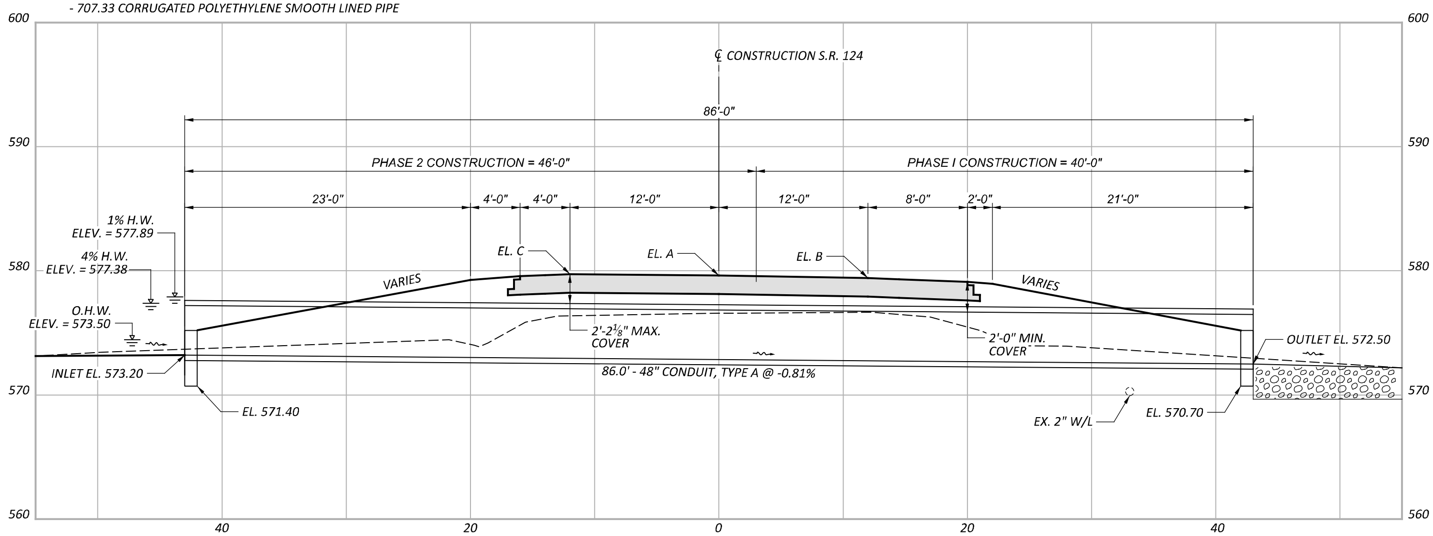
PIK-124-14.96

MODEL: DP001 PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 10:37:14 AM USER: jperchinske
P:\Transportation\WorkSets\117406_VAR-D09 Geol Eng Servs FY 23-24\404-Engineering_PIK-124-1500\Drainage\Sheets\119782_DP001.dgn



ALLOWABLE PIPE MATERIALS INCLUDE:
- 707.01 OR 707.02 METALLIC COATED (ALUMINIZED)
- 706.02 REINFORCED CONCRETE CIRCULAR PIPE
- 707.33 CORRUGATED POLYETHYLENE SMOOTH LINED PIPE

PLAN



PROFILE ALONG ℄ CULVERT

HYDRAULIC DATA

DRAINAGE AREA = 17.73 ACRES
Q (4%) = 71.0 CFS V (4%) = 8.41 FT/S HW (4%) = 577.38 FT
Q (1%) = 83.0 CFS V (1%) = 8.97 FT/S HW (1%) = 577.89 FT
ORDINARY HIGH WATER MARK: 576.47 FT
ABRASION LEVEL: 1 (NON-ABRASIVE)
EXISTING WATERWAY OPENING : 3.14 SQ. FT.
PROPOSED WATERWAY OPENING : 12.57 SQ. FT.
DESIGN SERVICE LIFE: 75 YEARS
PH : 7.6

HORIZONTAL SCALE IN FEET 0 5 10 20

EXISTING STRUCTURE

TYPE: CORRUGATED PLASTIC PIPE
SIZE: 24" DIA.
SKEW: 0°±
ALIGNMENT: TANGENT
DATE BUILT: 01/02/1961
CONDITION: POOR
CFN: 1856944

PROPOSED STRUCTURE

TYPE: 48" CONDUIT, TYPE A
SKEW: 0°
ALIGNMENT: TANGENT
ROADWAY WIDTH: 36'-0" SHOULDER/SHOULDER
DESIGN SERVICE LIFE: 75 YEARS
CFN: 1996166

POINT	STATION	OFFSET
WP-1	39+94.00	43.0' LT
WP-2	39+94.00	0.00'
WP-3	39+94.00	43.0' RT

ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FABRIC (2'-6" THICKNESS)

PROPOSED FULL DEPTH PAVEMENT

ELEVATION	
A	579.62
B	579.43
C	579.76

CULVERT PLAN AND PROFILE
CULVERT NO. 1996166
S.R.124 OVER WETLAND A

DESIGN AGENCY
BG
www.bgainc.com
5960 WILCOX PLACE, SUITE C
DUBLIN, OHIO 43016

DESIGNER LA
REVIEWER RG 11/07/24
PROJECT ID 119782
SHEET P.52 TOTAL 53

PIK-124-14.96

MODEL: DP002 PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 10:37:49 AM USER: jperchinske
P:\Transportation\WorkSets\117406_VAR-D09 Genl Eng Servs FY 23-24\404-Engineering_PIK-124-1500\Drainage\Sheets\119782_DP002.dgn

Environmental Protection Agency

EPA.Ohio.gov

Mike DeWine, *Governor* Jon Husted, *Lt. Governor* Anne M. Vogel, *Director*

February 7, 2025

ODOT District 9
Paul Maravy
650 Eastern ave.
Chillicothe OH 45601

Re: Approval Under Ohio EPA National Pollutant Discharge Elimination System (NPDES) – Construction Site Stormwater General Permit – OHC000006

Dear Applicant,

Your NPDES Notice of Intent (NOI) application is approved for the following facility/site. Please use your Ohio EPA Facility Permit Number in all future correspondence.

Facility Name:	PIK-124-14.96 PID 119782
Facility Location:	Just south of Idaho/772 , Ohio
City:	Latham
County:	Pike
Township:	Mifflin
Ohio EPA Facility Permit Number:	0GC04650*AG
Permit Effective Date:	February 7, 2025
Permit Expiration Date:	April 22, 2028

Please read and review the permit carefully. The permit contains requirements and prohibitions with which you must comply. A copy of the general permit may be viewed or downloaded from here. Coverage under this permit will remain in effect until a renewal of the permit is issued by the Ohio EPA.

If more than one operator (defined in the permit) will be engaged at the site, each operator shall seek coverage under the general permit. Additional operator(s) shall submit a Co-Permittee NOI to be covered under this permit. There is no fee associated with the Co-Permittee NOI form.

Please be aware that this letter only authorizes discharges in accordance with the above referenced General Permit. The placement to fill into regulated waters of the state may require a 401 Water Quality Certification and/or Isolated Wetlands Permit from Ohio EPA. Failure to obtain the required permits in advance is a violation of Ohio Revised Code 6111 and potentially subjects you to enforcement and civil penalties.

If you need assistance or have questions, please call (614) 644-2001 and ask for Construction Site Stormwater General Permit support or visit our website at epa.ohio.gov.

Sincerely,

Anne M Vogel

Anne M. Vogel
Director

Division of Surface Water - Notice of Intent (NOI) For Coverage Under Ohio *Environmental Protection Agency General NPDES Permit*

(Read accompanying instructions carefully before completing this form.)

Submission of this NOI constitutes notice that the party identified in Section I of this form intends to be authorized to discharge into state surface waters under Ohio EPA's NPDES general permit program. Becoming a permittee obligates a discharger to comply with the terms and conditions of the permit. Complete all required information as indicated by the instructions. Do not use correction fluid on this form. Forms transmitted by fax will not be accepted. A check for the proper amount must accompany this form and be made payable to "Treasurer, State of Ohio." (See the fee table in Attachment C of the NOI instructions for the appropriate processing fee.)

I. Applicant Information/Mailing Address

Company (Applicant) Name: ODOT District 9

Mailing (Applicant) Address: 650 Eastern ave.

City: Chillicothe	**State :** OH	**Zip Code:** 45601
Country: USA		
Contact Person: Paul Maravy	**Phone:** (740) 774-8838	**Fax:** (740) 773-2941

Contact E-mail Address: Paul.maravy@dot.ohio.gov

II. Facility/Site Location Information

Facility/Site Name: PIK-124-14.96 PID 119782

Facility Address: Just south of Idaho/772 , Ohio

City: Latham	**State:** OH	**Zip Code:** 45646
County: Pike		**Township:** Mifflin
Facility Contact Person: Paul Maravy	**Phone:** (740) 774-8838	**Fax:** (740) 773-2941

Facility Contact E-mail Address: Paul.maravy@dot.ohio.gov

Latitude: 39.04999299	**Longitude:** 83.0799777	**Facility/Map Attachment** PIK-119782-Plan (002) 19.pdf

Receiving Stream or MS4: Sunfish Creek

III. General Permit Information

General Permit Number: OHC000006	**Coverage Type:** New
Type of Activity: Construction Site Stormwater General Permit	**SIC Code(s):**
Existing NPDES Facility Permit Number: 0GC04650*AG	**ODNR Coal Mining Application Number:**
If Household Sewage Treatment System, is system for:	**New Home Construction:** / **Replacement of failed existing system:**

Outfall	Design Flow (MGD):	Associated Permit Effluent Table:	Receiving Water :	Latitude	Longitude

Are These Permits Required?	**PTI:** NO	**Individual 401 Water Quality Certification:** NO
Individual NPDES: NO	**Isolated Wetland:** NO	**U.S. Army Corp Nationwide Permit:** NO
Proposed Project Start Date(if applicable): June 30, 2025		**Estimated Completion Date(if applicable):** September 30, 2025
Total Land Disturbance (Acres): 3.5700		**MS4 Drainage Area (Sq. Miles):**

SWP3 Attachment(s): <None>

IV. Payment Information

Check #:	**For Ohio EPA Use Only**
Check Amount:	**Check ID(OFA):**________________ **ORG #:**________________
Date of Check:	**Rev ID:**________________ **DOC #:**________________

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Applicant Name: Paul Maravy	**Title:** District Construction Engineer
Signature: Electronically submitted by D09PM3	**Date:** Electronically submitted on 02/06/2025

ADDITIONAL INFORMATION

Please add any additional comments or attachments below.

Ohio EPA
General NOI Application Fee Invoice
Division of Surface Water

Billed to Applicant:
ODOT District 9
650 Eastern ave.
Chillicothe, OH 45601

Facility:
PIK-124-14.96 PID 119782
Just south of Idaho/772 , Ohio
Latham, OH 45646

Transaction ID: 2409247
DATE: 02/06/2025
Payment Due: 03/08/2025
Revenue ID: 1695921

DESCRIPTION	AMOUNT
New / Construction Stormwater / OHC000006	$200.00

Your application will not be processed until the fee is paid in full by the due date indicated.

Balance Due **$200.00**

PAYMENT OPTIONS - Payment options for this invoice include the following:

Electronic Payment through Ohio EPA's eBusiness Center: To pay this invoice online, visit http://ebiz.epa.ohio.gov
Payment by Check: If paying by check, please send your check with the remittance advice outlined below.

You must write the Revenue ID (if shown below) on your check to ensure proper credit.

CUT OFF THIS STUB AND MAIL IT WITH YOUR CHECK. DO NOT MAIL TOP PORTION.

Pay to: **Treasurer, State of Ohio**. Please write the **Revenue ID** on your check. Please **send this stub** with your check. **DO NOT SEND LETTERS OR OTHER FORMS.**

Ohio EPA
PO Box 77005
Cleveland, OH 44194-7005

Due Date:	03/08/2025
Revenue ID:	1695921
Amount Due:	$200.00
Type Code:	APRON
Transaction ID:	2409247

1695921 0000020000 APRON 000000000 4

SPECIAL PROVISIONS

OEPA Notification of Demolition and Renovation

FOR

CRS: HIG-73-21.04

DATE: 2/25/2026

The following form is the OEPA Notification of Demolition and Renovation form for the existing structures: HIG-73-21.04 SFN 3601749

These sections of the Notification form need to be completed prior to submission:

Section 1

2. Asbestos Abatement Contractor (If Applicable), Billing Contact
5. Planned Demolition or Renovation Work
6. Asbestos Description and Engineering Controls (if applicable)
7. Asbestos Waste Transporters (if applicable)
8. Asbestos Waste Disposal (if applicable)
11. Demolition and Renovation Signature

Section 2

F. Demolition Contractor
G. Demolition Schedule (original notification is required 10 working days prior to the start of work)

The form and payment must be submitted at least 10 working days in advance of the start of demolition.

The form should be submitted to the address below or online at **ebiz.epa.ohio.gov**

Asbestos Program
Ohio EPA, DAPC
P.O. Box 1049
Columbus, OH 43216-1049

Ohio Environmental Protection Agency

Notification of Demolition and Renovation/Abatement

Section 1: General Information

Division of Air Pollution Control

Work on projects cannot begin until 10 working days after a COMPLETE original notification form, **including payment**, is submitted to Ohio EPA. Instructions and a worksheet for fee calculation are available at ***epa.ohio.gov/asbestos***. This form can be completed, and payment made, at ***ebiz.epa.ohio.gov***. Questions? ***asbestos@epa.ohio.gov*** or (614) 466-0061.

Ohio EPA Use Only	Notification #:	Postmarked: / /	Received: / /	☐ Hand-Delivered

1) Notification Information (Check all that apply)

☒ Original	☐ Revision # (count):	☐ Installation	☐ Emergency	☐ Annual	☐ Cancellation	County:

2) Owner, Asbestos Abatement Contractor, Billing and Fire Department Information — **Revised?** ☐

Owner		
Name: Ohio Department of Transportation		Is this a company? ☐ Yes ☒ No
Address: 650 Eastern Avenue	Contact Person: Brandon Beck	
City: Chillicothe	State: OH	Zip: 45601 -
Email: Brandon.Beck@dot.ohio.gov	Phone: (740) 774 - 8976	Fax: ( ) -
Asbestos Abatement Contractor (if applicable)		
Name:	License #: AC	Expiration Date: / /
Address:	Contact Person:	
City:	State:	Zip: -
Email:	Phone: ( ) -	Fax: ( ) -
Billing Contact		
Is this contact associated with the ☐ Owner, ☐ Asbestos Abatement Contractor, or ☐ Demolition Contractor (if not installation)?		
Address:	Contact Person:	
City:	State:	Zip: -
Email:	Phone: ( ) -	Fax: ( ) -
Fire Department (if applicable)		
Name:		
Address:	Contact Person:	
City:	State:	Zip: -
Email:	Phone: ( ) -	Fax: ( ) -

3) Ohio Asbestos Hazard Evaluation Specialist and Evaluation Procedure — **Revised?** ☐

Evaluation Specialist: Brandon Beck	Certification #: ES 547784	Expiration Date: 4 / 24 / 2026

Procedure, including analytical methods, employed to detect the presence of and to estimate the quantity of regulated asbestos-containing material (RACM) and Category I and Category II non-friable asbestos-containing material: ☐ PLM ☐ Point Count ☐ TEM ☒ Other Method (Explain Below):

Bridge made of asphalt, concrete and steele. No suspected material identified during inspection.

4) Procedures to be followed should unexpected RACM be discovered (check all that apply) — **Revised?** ☐

☒ Stop work and keep wet	☐ Evacuate area	☐ Demarcate area	☐ Contact licensed abatement contractor
☒ Contact district office/local air authority	County:	Highland	
☐ Other (Explain):			

5) Planned Demolition (check all that apply) — **Revised?** ☐

Describe demolition work to be performed and method(s) to be employed, including demolition techniques to be used:
☐ Implosion ☐ Fire Training ☐ Wet Methods ☐ Manual Demolition ☐ Mechanical Demolition ☐ Other (Explain):

Description of affected facility components (include attachment if necessary):

Mail completed form and payment to:
Ohio EPA, DAPC – Asbestos
50 W. Town St., 7th Floor or P.O. Box 1049
Columbus, OH 43216-1049

Notification of Demolition and Renovation/Abatement

Section 1: General Information

Continued

6) Asbestos Description and Engineering Controls (if asbestos is being abated) **Revised?** ☐

For the material listed in each project, describe the type(s) of ACM to be abated, engineering controls and work practices to be used to minimize emissions and ensure proper waste handling:					
Type of ACM to be abated:	☐ Surfacing	☐ Mechanical	☐ Other		
Engineering Controls:	☐ Wet Methods	☐ Glove Bag	☐ NPE	☐ AFD	☐ Other:
Work Practices:	☐ Intact Removal	☐ Manual	☐ Mechanical	☐ Other: ☐ Revision # (count):	

7) Asbestos Waste Transporter (if applicable) **Revised?** ☐

Transporter #1 Name:		
Address:	Contact Person:	
City:	State:	Zip: -
Email:	Phone: ( ) -	Fax: ( ) -
Transporter #2 Name (if applicable):		
Address:	Contact Person:	
City:	State:	Zip: -
Email:	Phone: ( ) -	Fax: ( ) -

8) Asbestos Waste Disposal Site (if applicable) **Revised?** ☐

Name:		
Address:	Contact Person:	
City:	State:	Zip: -
Email:	Phone: ( ) -	Fax: ( ) -

9) Emergency Demolition (complete if you checked "Emergency" above and "Demolition" for any project) **Revised?** ☐

A copy of the issued order, including the following information, **must be attached** to this notification.	
Government Official Issuing Order:	Title:
Agency:	Authority of Order (Citation of Code):
Date of Order: / /	Demolition Date: / /

10) Emergency Renovation/Abatement (complete if you checked "Emergency" above and "Renovation/Abatement" for any project) **Revised?** ☐

Date of Emergency: / /	Time of Emergency: : ☐ a.m. ☐ p.m.
Description of Sudden, Unexpected Event:	
Explanation of how the event caused unsafe conditions or equipment damage:	

11) Attestation **Revised?** ☐

In accordance with Ohio Administrative Code rule 3745-20-03(A)(4)(p), I certify that at least one person trained as required by paragraph (B) of rule 3745-20-04 of the Administrative Code will supervise the stripping and removal described by this notification. I acknowledge that the submission of false or misleading statements is prohibited by law and I certify that facts contained in this notification are true, accurate, and complete.	
Signature:	Date: / /
Name:	Title:
Organization:	

Notification of Demolition and Renovation/Abatement
Section 2: Project Address Specific Information
Division of Air Pollution Control

Ohio Environmental Protection Agency

Please complete Section 2 for the address included with this notification. If the project is an "Installation" per OAC 3745-20, complete a separate Section 2 page for each address associated with this notification.

Ohio EPA Use Only	Project ID #:

A. Facility Description **Revised?** ☐

Building Name (if applicable): HIG-73-21.04	Site Location (specific): 39.059228, -83.529179		
Address: State Route 73 over Ohio Brush Creek in Highland County		County: Highland	
City: Jackson Township	State: OH	Zip: 45133 -	
Building Size (square feet): 4,416	No. of Floors: 1	Age: 71	
Present Use: Transportation	Prior Use: Transportation		

B. Type of Operation (check all that apply) **Revised?** ☐

☒ Demolition ☐ Renovation/Abatement – Type: ☐ Removal ☐ Repair ☐ Encapsulation ☐ Enclosure

C. Asbestos Present (check one) **Revised?** ☐

☐ Yes ☒ No ☐ No, previously abated Year Abated:

D. Approximate Amount of Asbestos-Containing Materials (complete table below and Section 1 #6 if asbestos is present) **Revised?** ☐

	Material to be Removed			Material NOT to be Removed	
		Non-friable Asbestos-Containing Material		Non-friable Asbestos-Containing Material	
	RACM	Category I	Category II	Category I	Category II
Pipes (linear feet)					
Surface area on other facility components (ft^2)					
Volume if length or area cannot be measured (ft^3)					

E. Asbestos Abatement Schedule and Abatement Specialist (original notification is required 10 working days prior to the start of work) **Revised?** ☐

Setup Date: / /	Abatement Date: / /	Complete Date: / /

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
(Shift 1) Time start/end on site							

Abatement Specialist Name:	Certification #: AS	Expiration Date: / /

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
(Shift 1) Time start/end on site							

Abatement Specialist Name:	Certification #: AS	Expiration Date: / /

F. Demolition Contractor (if applicable) **Revised?** ☐

Name:		
Address:	Contact Person:	
City:	State:	Zip: -
Email:	Phone: ( ) -	Fax: ( ) -

G. Demolition Schedule (original notification is required 10 working days prior to the start of work) **Revised?** ☐

Start Date: / /	Complete Date: / /

H. Project Hold **Revised?** ☐

Hold Begin Date: / /	Work Resume Date: / /

OHIO ENVIRONMENTAL PROTECTION AGENCY
INSTRUCTIONS FOR COMPLETING
NOTIFICATION OF DEMOLITION AND RENOVATION/ABATEMENT FORM

General Information

These directions are for submitting hardcopy notifications to the Ohio EPA. Ohio EPA strongly encourages notifications to be submitted electronically via the Ohio EPA eBusiness Center located at ebiz.epa.ohio.gov.

Who must submit this notification? *[OAC 3745-20-03 and OAC 3745-22-04(C)(4)]*

- The owner or operator means any person who leases, operates, controls, or supervises the facility being demolished or renovated, or any person who owns, leases, operates, controls or supervises the demolition or renovation (activity), or both.
- Asbestos Abatement Contractor means a contractor who is currently licensed by the Ohio EPA as an Asbestos Hazard Abatement Contractor.

The Ohio EPA notification of demolition and renovation form is required for:

- Every demolition of a facility, regardless of whether asbestos is involved. This includes all structures that will be intentionally burned for fire training purposes.
- A renovation when the amount of regulated asbestos-containing material (RACM) stripped, removed, dislodged, cut, drilled, or similarly disturbed exceeds 260 linear feet on pipes or 160 square feet on other facility components or 35 cubic feet off facility components.
- An abatement when the activity involves the removal, renovation, enclosure, repair or encapsulation of friable asbestos-containing material in an amount greater than 50 linear feet on pipes or 50 square feet on other facility components.

When must I submit this notification?

ORIGINAL: The original notification must be **postmarked** or **hand delivered** to the Ohio EPA Central Office at least 10 working days (Monday-Friday excluding weekends) before operations begin. Please see example table below to help determine when to submit the original notification.
E-mail or FAX is not acceptable for original notification.

July

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3 **day 1**	4 **day 2**	5 **day 3**	6
7	8 **day 4**	9 **day 5**	10 **day 6**	11 **day 7**	12 **day 8**	13
14	15 **day 9**	16 **day 10**	17 *	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Post mark date (and Day 1 of 10-day clock): July 3rd.
Note: Holidays are counted when they fall on a working day.
Completion of 10-day prior notification period: July 16th.
* First day work can commence (day following the 10th working day): July 17th.

REVISIONS: A revised notification must be submitted if there is any change in the notification which renders information in the notification no longer accurate. Examples of changes include but are not limited to: if the amount of RACM changes by at least 20 percent, any changes in work schedules (dates or hours), any change in owner or operator, a change in the asbestos hazard abatement specialist onsite, or any change in the name or location of selected waste disposal site. A revised notification may be initiated by phone, however, must be followed in writing by either email or fax. Revisions shall be submitted as soon as possible but not later than one working day following discovery of the change.

EMERGENCY DEMOLITION OR RENOVATIONS: The notification must be submitted as early as possible before, but not later than, the following working day from start of demolition or renovation/abatement activities. The notification must include the supplemental information required in Sections 9 or 10.

Where do I send my notification?

Send the notification to: Ohio EPA Central Office, Division of Air Pollution Control, P.O. Box 1049, Columbus, Ohio 43216-1049.

How does Ohio EPA assess fees? [*ORC 3745.11(G) and OAC 3745-22-04(C)*]

Per ORC 3745.11(G), an owner or operator who is responsible for an asbestos demolition or renovation/abatement project regulated under OAC Chapter 3745-20, shall pay the fees set forth in the following schedule. This applies when thresholds are greater than or equal to: 260 linear feet; 160 square feet; or 35 cubic feet.

- Each notification $75 plus,
- Asbestos removal $3/unit (1 unit = any combination of linear feet or square feet equal to fifty) and/or
- Asbestos cleanup $4/cubic yard

Per OAC 3745-22-04(C), if the renovation/abatement project involves removal, encapsulation, enclosure or repair of greater than 50 square feet or 50 linear feet of RACM, the Ohio EPA licensed asbestos hazard abatement contractor is responsible for paying the fees set forth in the following schedule.

- If notification is not an installation, $65 fee, or
- If notification is an installation, $65 fee for each address where RACM exceeds 50 square feet or 50 linear feet.

The fees shall be submitted with the original notification. Projects may be subject to both regulatory fee requirements above. Please be aware that some local air agencies may have additional fees.

Who can help answer questions about completing this notification?

Contact the Ohio EPA Central Office at 614-466-0061 or by email at asbestos@epa.ohio.gov.

Line-by-line Instructions

[Below listed instructions are for hardcopy form submission only]

Section 1: General Information

1. Check the type of notification (all that apply):

- “Original” is the first notification submitted for a project; hardcopy is required to be post-marked or hand-delivered 10 working-days prior to start of work.
- “Revision” is any notification submitted after the original due to any change which renders information on the form no longer accurate. Examples of changes requiring a revision include but are not limited to: if the amount of RACM changes by at least 20 percent, any changes in work schedules (dates or hours), any change in owner or operator, a change in the asbestos hazard abatement specialist onsite, or any change in the name or location of selected waste disposal site. Revisions shall be numbered chronologically with Revision #1 being the first time any items on the notification form were changed. If revision is marked, please include the Revision # and check the “Revised” box for each section where information is revised. A “Revised” box is located near the upper right hand side of each section throughout the form.
- “Installation” means any building or structure or any group of buildings or structures at a single demolition or renovation/abatement site that are under the control of the same owner or operator, or owner or operator under common control. This would include projects where multiple addresses are included in a common project, have the same owner, and are being completed in the same county (i.e. land banks, residential cooperatives, highway projects involving multiple facility demolitions, etc.). If the project includes more than one structure or address, be sure to complete a separate “Section 2: Project Address Specific Information” page for each address.
- “Emergency” includes emergency demolitions and emergency renovation/abatement operations. Emergency demolition means any demolition operation conducted under a written order issued by a state or local governmental agency because a facility is structurally unsound and in danger of imminent collapse. Emergency

renovation/abatement means a renovation/abatement operation that was not planned but results from a sudden, unexpected event that, if not immediately attended to, presents a safety or public health hazard, is necessary to protect equipment from damage, or is necessary to avoid imposing an unreasonable financial burden. This term includes operations necessitated by non-routine failures of equipment, by actions of fire or emergency medical personnel pursuant to duties within their official capacities, or by significantly damaged friable asbestos-containing material causing an environmental health hazard (as assessed by an asbestos hazard evaluation specialist). The notification must be submitted as early as possible before, but not later than, the following working day from start of demolition or renovation/abatement activities. The notification must include the supplemental information required in Sections 9 or 10.

- “Annual” refers to planned renovation operations over a calendar year involving a series of non-scheduled operations that are collectively greater than the threshold limits; these notifications must be submitted in the month prior to the beginning of the calendar year. See separate guidance document or contact Ohio EPA Central Office to determine if the project will meet Annual notification requirements.

- “Cancellation” is submitted to indicate a project has been cancelled and work will not be completed.

- “County” is for listing the County in which the project will occur.

2. Provide owner, asbestos abatement contractor, billing, fire department Information (all that apply):

- In the “Owner” line, list the property owner [individual(s) who own(s) the property at the time of demolition/renovation (Note, this may be a government or private entity)] or list the Coordinating Entity (i.e., land bank, municipality, etc.) if the facility is part of a larger project or installation. Include address, contact person, phone, fax, and email for the listed Owner.

- Specify the name, address, contact person, phone, fax, email, and Ohio Environmental Protection Agency license number (ACXXXX) for the “Asbestos Abatement Contractor” (if regulated asbestos containing material(s) is being abated).

- Specify the billing contact for the project notification fees, either the Owner, the Asbestos Abatement Contractor, or the Demolition Contractor (if project is not an installation).

- Specify the name, address, contact person, phone, fax, email, for the “Fire Department” (if demolition of a facility is by intentional burning).

3. For any project subject to OAC 3745-20, include the Asbestos Hazard “Evaluation Specialist” Name, “Certification # (ESXXXX)”, and “procedure used to detect and analyze asbestos”. Analytical methods could include the collection of samples and sample analyses by polarized light microscopy (PLM) with dispersion staining. For samples that test under 10% asbestos content: An owner or operator may (a) elect to assume material to be greater than 1% asbestos, or, (b) require verification by point counting in which the point counting result will supersede the PLM estimation; Both choice and result should be stated on the notification. Explain any other method(s) used. All owners/operators should have the records of the asbestos assessment and analyses (inspection/survey report) on-site during active operations for reference and inspection. Such records would include a list of materials assessed, locations sampled and the sample results; this information can be found within the asbestos inspection report.

4. Describe the specific procedures to be followed in the event unexpected regulated asbestos-containing material (RACM) is found or non-friable asbestos-containing material becomes friable RACM.

<u>Examples:</u>

A. Stop work, evacuate area, and demarcate the area.
B. Wetting of ACM with amended water and using wet cleaning methods.

Should the discovery of unexpected RACM change the original amount of asbestos to be abated by 20 percent or more, you must submit a revised notification pursuant to OAC 3745-20-03. A revised notification must reflect the change in the amount of affected asbestos-containing material. The revised notification must also reflect the new asbestos removal start date, if applicable.

5. Select the appropriate box (*Implosion, Fire Training, Wet Methods, Manual Demolition, Mechanical Demolition or Other*). Underneath the check boxes, write a brief summary of the specific method to be used on this project. In the box *Description* *of affected facility components*, include detailed information for each component where RACM is being removed. "Fire Training" refers to the demolition of a facility by intentional burning. All asbestos containing material, including Category I and Category II non-friable ACM, must be removed in accordance with OAC 3745-20 before burning. Additional requirements also apply; please contact the Ohio EPA District Office or Local Air Agency with jurisdiction for additional information (See attached map).

6. For the materials listed in each project, on the line for *Type of ACM to be abated*, check the appropriate box (*Surfacing, Mechanical or Other*). If "*Other"* is selected, specify what the asbestos material is. At least one box must be checked, but if multiple types of asbestos are being removed, multiple boxes may be checked. On the line for *Engineering Controls*, select the appropriate box (*Wet Methods, Glove Bag, NPE, AFD or Other*). If "*Other"* is selected, specify the method(s) to be used. At least one type of engineering control must be selected, but multiple methods may be selected. On the line for *Work Practices*, select the appropriate box (*Intact Removal, Manual, Mechanical or Other*). If "*Other"* is selected, specify what the work practice method is. At least one work practice box must be selected but more than one may be selected.

7. Please complete the information for this section if asbestos containing material is being removed. On the name line, enter the name of the transporter company (example: *Jones Waste Hauler*) and complete the other fields in accordance to the information relating to this company. If more than one transporter is being used, complete the information for the second transporter in this same manner. **NOTE: you must also complete a Waste Shipment Record prior to consigning any asbestos containing waste materials (ACWM).**

8. Enter the name of the waste disposal site and complete all the other fields based on the physical location of the site. Check the following Ohio EPA website for an updated list of approved asbestos accepting waste disposal sites: www.epa.ohio.gov/dapc/atu/asbestos.aspx

9. This section must be completed for emergency demolitions that meet the definitions and requirements of the regulation. If a facility is not in imminent danger of collapse, it is not an emergency demolition even though it may be ordered to be demolished due to hazardous conditions. Provide the name, title and agency of the state or local governmental representative who has ordered the demolition. The Authority of Order is the applicable state or local regulation under which the demolition order has been issued. **You must attach a copy of the demolition order to the notification.**

10. This section shall be completed for emergency renovations/abatement that meet criteria described in OAC 3745-20-01 and OAC 3745-22-03(H). **You must provide detail on the four items listed in this section, including a description of how the project meets the "emergency" requirements of OAC 3745-22-03(H). A separate sheet may be needed.**

11. The person signing this notification is attesting to the fact that in accordance with Ohio Administrative Code rule 3745-20-03(A)(4)(p), they are certifying that at least one person trained as required by paragraph (B) of rule 3745-20-04 of the Administrative Code will supervise the stripping and removal described by this notification, and are acknowledging that the submission of false or misleading statements is prohibited by law and certifying that facts contained in this notification are true, accurate, and complete.

Section 2: Project Address Specific Information

Please complete Section 2 for the address included with this notification. If the project is an "Installation" per OAC 3745-20, complete a separate Section 2 page for each address associated with this notification.

A. Describe the building(s) or structure(s) affected by the operations. Include building size in square feet, specific site location, number of floors, and age in years. Also include the present and prior use (i.e., industrial, commercial, institutional, residential, vacant, etc.) of the building(s).

B. Identify the type of operation. Definitions of these terms can be found in OAC 3745-20-01.

- "Demolition" means the wrecking, or taking out of any load-supporting structural member of a facility together with any related handling operations or the intentional burning of any facility.

- "Renovation" means altering a facility or one or more facility components in any way, including the stripping or removal of regulated asbestos-containing material in an amount greater than 260 linear feet, 160 square feet, or 35 cubic feet from a facility component. Operations in which load-supporting structural members are wrecked or taken out are demolitions.

- “Abatement” refers to any Asbestos hazard abatement activity involving the removal, renovation, enclosure, repair, or encapsulation of reasonably related friable asbestos-containing materials in an amount greater than 50 linear feet or 50 square feet. Asbestos hazard abatement activity also includes any such activity involving such asbestos-containing materials in an amount of 50 linear or 50 square feet or less if, when combined with any other reasonably related activity in terms of time and location of the activity, the total amount is in an amount greater than 50 linear or 50 square feet.

C. Declare whether or not asbestos is present in any quantity. This includes assumed asbestos containing materials such as roofing and flooring. Also specify if the facility was previously abated and year when previous asbestos abatement occurred (if applicable).

D. Specify the amount of regulated asbestos-containing material (RACM) to be removed as follows: linear feet on pipes, square feet (surface area) on facility components, and total cubic feet (volume) on or off all facility components. Asbestos containing demolition debris and related materials shall be quantified in cubic feet (volume) Convert any cubic yardage measurements to cubic feet (1 cubic yard = 27 cubic feet). Estimate the approximate amount of Category I and Category II non-friable asbestos-containing material in the affected part of the facility that will be removed before demolition. Estimate the approximate amount of Category I and Category II non-friable asbestos-containing material in good condition in the affected part of the facility that will not be removed before demolition.

E. Specify the scheduled dates for asbestos removal, the hours of operation, and the days of the week that asbestos removal operations will be active onsite. Please note, the setup date must be at least 10 working-days after postmark or hand-deliver date. Also include the name, certification number, and expiration date of the asbestos hazard abatement specialist scheduled to be onsite in charge of the asbestos abatement project. Additional boxes have been provided in the event the project involves more than one shift.

F. Specify the name, address, contact person, phone, fax, and email for the Demolition Contractor, if applicable.

G. Specify the starting and ending dates for demolition even when no asbestos-containing materials are present. Should the demolition not begin on the start date listed, a revised notification form shall be submitted prior to the listed start date. Please note the start date must be at least 10 working-days after postmark or hand-deliver date.

H. If a project is being placed on hold, specify the dates as follows:

- “Hold Begin Date” indicate date that the regularly scheduled demolition or renovation/abatement operations will be put on hold at the facility.
- “Work Resume Date” indicate date that the regularly scheduled demolition or renovation/abatement operations will resume at the facility. If a project was previously placed “On Hold”, the Ohio EPA must receive notification of returning to the project at least one (1) working day prior to resuming demolition and/or renovation/abatement activities.

Be sure to indicate the correct page numbers across the bottom of the notification once all the pages are complete.

The asbestos regulations, notification forms, guidance, local contacts, and other information can be found on Ohio EPA’s asbestos program web site at www.epa.ohio.gov/dapc/atu/asbestos.aspx

Ohio Environmental Protection Agency

Notification Fee Worksheet

Division of Air Pollution Control

Work on projects cannot begin until 10 working days after a COMPLETE original notification form, **including payment**, is submitted to Ohio EPA. The form and instructions with definitions are available at epa.ohio.gov/asbestos. The form can be completed, and payment made, at ebiz.epa.ohio.gov. Questions? asbestos@epa.ohio.gov or 614-466-0061

Licensing Project Notification Fee(s):

A $65 notification licensing fee is due per project if it involves an abatement\renovation with RACM greater than 50 linear or square feet or greater than or equal to 35 cubic feet. Complete the table below with RACM amounts from each project listed in Section 2.D. of the Notification form. Place $65 in each row where this criterion is met.

Project Detail							
Project	**Demo**	**Reno**	**Linear Ft.**	**Square Ft.**	**Cubic Ft.**	**License Fee**	
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
		Total:				$	**1**

Applicable NESHAP Project Notification Fees:

The NESHAP notification fees below apply if one of the following are on the completed notification form:

- The project(s) is part of an installation; or
- At least one project is a demolition; or
- At least one project is a renovation/abatement with the total RACM being greater than or equal to 260 linear feet, 160 square feet, or 35 cubic feet.

NESHAP Notification Fee	A fee of $75.	**$**	**2**
RACM Fee	A $3 fee is charged per unit of the total linear and square feet of RACM. A unit is calculated by taking that total and dividing by 50. Only whole units are charged. (a) Total linear feet + Total sq. ft = ___________ (b) Total in (a) divided by 50 = ___________ (c) Number in (b) rounded down to a whole unit = ____________ (d) Multiply the whole unit in (c) by $3 = __________	**$**	**3**
Clean-Up Fee	A $4 fee is charged per cubic yard of RACM. Calculate this by taking the total cubic feet and dividing by 27. Only whole cubic yards are charged. (a) Total cubic feet divided by 27 = ___________ (b) Number in (a) rounded down to a whole cubic yard = __________ (c) Multiply the whole cubic yard in (b) by $4 = ___________	**$**	**4**
	Total Amount Due (Add 1-4 above)	**$**	

You must include a check or money order, payable to Treasurer State of Ohio, with your project notification form for your notification to be complete.

No problem, that is what I am here for to aggrevate

Immell, Beth 8:50 AM

BI

The property owner that wanted to know who was chosen would like ot be contacted about providing a lay down area for the contractor. Can we provide their number to Allard during the meeting?

8:51 AM

Yes, please

Immell, Beth 8:51 AM

BI

ok, awesome. I will get it. Be right back

His name is Harry and his direct number is 614-519-2405. The company is called Sophie X Holdings LLC.

The own the wood yard there on SR 124.

From: Beck, Brandon
To: Barnett, Rosalie
Subject: PIK-124-14.96 PID 119782 Environmental
Date: Monday, March 16, 2026 9:22:01 AM
Attachments: PIK-119782-Enviro.pdf
image001.png
PIK-124-14.96 PID 119782 Special Provisions.pdf
image002.png

Rosie,

Attached is the ECF and waterway permit. There is an environmental commitment related to bat trees:

- ENSURE IMPACTS TO THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT AND THE STATE LISTED AND PROTECTED LITTLE BROWN BAT AND TRICOLORED BAT ARE AVOIDED AND MINIMIZED. DO NOT REMOVE TREES FROM APRIL 1 THROUGH SEPTEMBER 30. PERFORM ALL NECESSARY TREE REMOVAL FROM OCTOBER 1 THROUGH MARCH 31. DEMARCATE CLEARING LIMITS IN THE FIELD TO AVOID ANY UNAUTHORIZED TREE CLEARING. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

The waterway permit authorizes 115 linear feet of permanent impact and 30 linear feet of temporary impact to the unnamed tributary of sunfish creek and 0.381 acres of permanent impact to Wetland A. There are no in-water work restriction dates.

A spill kit is required and must be located within 150 feet of any equipment working in the stream. Please refer to Section 7 of the special provisions for details.

If any temporary access fills are proposed to be used, please refer to Section 10 of the special provisions. It's crucial that TAF is installed per the Special Provisions.

All TAFs must be constructed of suitable materials. Causeways and access fills must be encapsulated with clean, non-erodible, nontoxic Dumped Rock Fill, Type A, B, C, or D, meeting the requirements of C&MS 703.19.B. Utilize appropriately sized Dumped Rock Fill determined by the Contractor's engineer for encapsulating the sides of the TAF. Encapsulate all sides of the TAF with the non-erodible material. For causeways, contractors may use clean aggregate meeting C&MS 703.01 Size Number 1 and 2 for creating a working surface above the OHWM. Extend the non-erodible encapsulating material to at least the elevation of the top of the working surface. Extend clean aggregate up the slope from the original stream bank for 50 feet (10 m) to remove erodible material and prevent tracking from equipment onto the TAF.

The discharge of demolition debris is not authorized for this project. If demo debris accidentally falls into the stream, please remove it immediately and notify the area engineer in writing.

Brandon Beck
District Environmental Coordinator
ODOT District 9
650 Eastern Avenue, Chillicothe, Ohio 45601
(740) 774-8976
Transportation.ohio.gov

OHIO DEPARTMENT OF TRANSPORTATION

Ohio Department of Transportation
Environmental Consultation Form

County-Route-Section PIK-124-14.96 Flooding **PID** 119782

Funding Source(s): ☒ **Federal** ☐ **Non-Federal**

The environmental review, consultation, and other actions required by applicable Federal environmental laws for this project are being, or have been, carried-out by ODOT pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated December 14, 2020, and executed by FHWA and ODOT.

	Type of Environmental Document	Clearance Date:
☐	NEPA Re-evaluation (if required)	
☐	C1	
☒	C2	8/20/2024
☐	D1	
☐	D2	
☐	D3	
☐	EA/FONSI	
☐	EIS/ROD	

Commitments

Verify all environmental commitments and their disposition listed beginning on page 3

Yes	No	
☐	☒	Are there long-term commitments that would require federal authorization end date to be extended/revised?
☐	☐	If yes, has federal reimbursement end date been revised in Ellis?

Ohio Department of Transportation
Environmental Consultation Form

County-Route-Section PIK-124-14.96 Flooding **PID** 119782

Permits and Required Agency Notifications:

Type of Permit	Required for this Project? Yes	Required for this Project? No	Obtained? Yes	Obtained? No	Approving Agency & Approval Date	Will be or has been incorporated into the Construction Contract? Yes	Will be or has been incorporated into the Construction Contract? No
USACE Clean Water Act 404 Nationwide Permit*		X					
USACE Clean Water Act 404 Regional General Permit*	X			X	**Will be obtained prior to file date**	X	
USACE Clean Water Act 404 individual*		X					
OEPA Individual 401 WQC*		X					
OEPA NPDES Stormwater Notice of Intent (NOI)	X			X	**Will be submitted prior to construction**	X	
OEPA Isolated Wetland Permit*		X					
OEPA 27-13 Landfill		X					
OEPA Demolition/Renovation Form*		X					
USCG Section 9 of the Rivers and Harbors Act*		X					
USACE Section 10 of the Rivers and Harbors Act*		X					
Floodplain		X					
Other (Please list)		X					

*Incorporated into construction contract as a special provision

Is the ECF being used as the NEPA reevaluation document? ☐ Yes ☒ No

Disposition:

Based upon the information provided, the NEPA document remains valid and no further environmental documentation is required. The environmental review, consultation, and other actions required by applicable Federal environmental laws for this project are being, or have been, carried-out by ODOT pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated December 14, 2020, and executed by FHWA and ODOT. The ECF is confirmation that the proposed action will not result in environmental impacts not previously considered in the original NEPA document or re-evaluation. Furthermore, no new information or circumstances relevant to environmental concerns exist which would result in substantial environmental impacts.

Prepared by: Brandon Beck Date: 8/20/2024

Approved by: Brandon Beck Date: 8/20/2024

District Environmental Coordinator

Ohio Department of Transportation
Environmental Consultation Form

County-Route-Section PIK-124-14.96 Flooding **PID** 119782

Commitments Made and Disposition

COMMITMENT	DISPOSITION
ODOT will obtain and adhere to all appropriate waterway permits prior to any work below the ordinary high water mark of any waterway and all Special Provisions for waterway permits will be included in the plans.	
The Project Designer shall incorporate the following note into the plans: ENSURE IMPACTS TO THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT AND THE STATE LISTED AND PROTECTED LITTLE BROWN BAT AND TRICOLORED BAT ARE AVOIDED AND MINIMIZED. DO NOT REMOVE TREES FROM APRIL 1 THROUGH SEPTEMBER 30. PERFORM ALL NECESSARY TREE REMOVAL FROM OCTOBER 1 THROUGH MARCH 31. DEMARCATE CLEARING LIMITS IN THE FIELD TO AVOID ANY UNAUTHORIZED TREE CLEARING. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.	**In plans**

SPECIAL PROVISIONS

WATERWAY PERMITS CONDITIONS

C-R-S: PIK-124-14.96

PID: 119782

Date: 04/08/2025

1. Waterway Permits Time Restrictions:

Regional General Permit (RGP), Section B (Maintenance) is authorized for PIK-124-14.96, PID: 119782. A copy of the RGP and OEPA authorization letter (OEPA ID: 251540P) shall be kept at the work site at all times and made available to all contractors and subcontractors. The permit is effective starting: April 8, 2025. The permit expires: February 11, 2030.

For authorized work in aquatic resources (including streams, wetlands, jurisdictional ditches, captured streams, lakes, ponds), the Department will consider the Contractor's submission of a reauthorization to the waterway permit expiration date based on project constraints. If more than one permit is authorized for the project, then all permits become invalid once the first permit expires. In order for the request to be considered, the Contractor must submit a justification to the Engineer at least 90 days prior to the waterway permit expiration date. The Engineer will submit the request for a time extension to the Ohio Department of Transportation, Office of Environmental Services, Waterway Permits Unit (ODOT-OES-WPU) for consideration and coordination with the U.S. Army Corps of Engineers (USACE), Ohio Environmental Protection Agency (OEPA), U.S. Coast Guard (USCG), U.S. Fish and Wildlife Service (USFWS), and Ohio Department of Natural Resources (ODNR) as appropriate.

2. Deviations From Permitted Construction Activities:

No deviation from the requirements for work in aquatic resources depicted in the plans, Special Provisions, and/or Working Drawings may be made unless a modification has been submitted to ODOT-OES-WPU and approved by the appropriate agencies (i.e., USACE, OEPA, USCG, ODNR, and USFWS).

NOTE: Plan sheets submitted with the OEPA Notification were approved by the OEPA in accordance with NWP 3 and are included in these Special Provisions.

For emergency situations resulting in unanticipated impacts to aquatic resources, provide notification (verbal or written) to the Engineer as soon as possible following discovery of the situation. Written notification to the Engineer and notification to the ODOT-OES-WPU (614-466-2159) must be made within 24 hours.

For non-emergency situations, notify the Engineer in writing for submission to the ODOT-OES-WPU (614-466-2159) for consideration and coordination with the appropriate agencies. Notification must be made at least 90 days prior to planned, non-permitted activities. Consideration of the requested deviation is at the discretion of the Director and must be coordinated with the appropriate regulatory agencies.

3. In-Stream Work Restrictions:

Work in the following aquatic resources is further restricted as follows:

Stream Name /Description	Location	Work restriction dates (No in-stream work permitted)
UNT of Sunfish Creek #2	STA 35+44.80	None

UNT = unnamed tributary stream

In-stream work has been defined as the placement and/or removal of fill materials (temporary or permanent) below ordinary high water of a stream. Examples of "fill" include, but are not limited to: bridge piers, abutments, culverts, rock channel protection, scour protection, and temporary access fills.

Fills placed within a stream identified in the above table (outside of the work restriction dates) can continue to be worked from during the work restriction dates, but cannot be expanded, removed, or otherwise modified (below ordinary high water) until once again outside of the work restriction dates.

4. Materials:

Materials utilized in or adjacent to aquatic resources for temporary or permanent fill or bank protection shall consist of suitable material free from toxic contaminants in other than trace quantities. Asphalt products are specifically excluded for use as fill. Chromated Copper Arsenate (CCA), creosote, and other pressure treated lumber shall not be used in structures that are placed in aquatic resources.

5. Cultural Resources:

Per CMS 107.10, if archeological sites, historical sites, or human remains are discovered, cease all work in the immediate area and notify the Engineer who will immediately contact the ODOT-District Environmental Coordinator and ODOT-OES-Cultural Resource Section at 614-466-2159. In the event of human remains are identified by OES-Cultural Resources Section, the Engineer shall also contact the Pike County Sheriff's Office at 740-947-2111.

6. Aquatic Resource Demarcation:

The tables attached (Table 1 and Table 2) include detailed fill quantities authorized within the aquatic resources. Aquatic resources not authorized for impact by these Special Provisions shall be demarcated in the field as per SS 832 prior to site disturbance. The fence shall remain in place and be maintained throughout the construction process. Following the completion of the project, the fence and posts shall be removed.

7. Spill containment:

Provide and Maintain an Oil Spill Kit with a minimum capacity of 65 gallons. The Spill Kit shall contain:

- 6 - 3 in. X 8 ft. oil only socks
- 4 - 18 in. X18 in. oil only pillows
- 2 - 5 in. X 10ft. booms
- 50 - 16in. X 20 in. oil only pads
- 10 - disposable bags
- 1 - 65 gallon drum with lid
- 25 pounds of granular oil absorbent

The Oil Spill Kit shall be located within 150 feet of any equipment working in a stream or wetland. The oil Spill Kit shall be maintained for the life of the contract. Any materials utilized during the project will be replaced within 48 hours. All costs associated with furnishing and maintaining the above referenced spill containment kit are incidental to work.

8. Blasting:

State law requires notification to the Ohio Department of Natural Resources should blasting be required within or near stream channels (See ORC 1533.58 & CMS 107.09). Notify the Engineer, in writing, a minimum of 30 days in advance of blasting, for submission to ODOT-OES-WPU (614-466-2159) for coordination with ODNR.

9. Project Inspection:

Inspection of Work may include inspection by representatives of other government agencies or railroad corporations that pay a portion of the cost of the Work or regulate the Work through State and Federal law. Comments from the representatives of these agencies shall be directed to the Engineer who will immediately contact the ODOT-District Environmental Coordinator and ODOT-OES-WPU at 614-466-2159.

10. Temporary Access Fills:

Definitions:

Hydraulic Opening
The cross-sectional area allowing an unimpeded discharge equal to twice the highest monthly flow without producing a rise in the backwater above the Ordinary High Water Mark (OHWM).

Standard Temporary Discharge
Discharge equal to twice the *highest monthly flow* without producing a rise in the backwater above the OHWM. The U.S. Geologic Service publication "Techniques for estimating Selected Streamflow Characteristics of Rural Unregulated Streams in Ohio" provides equations that estimate monthly flow for Ohio Waterways These flows are also available in a web application by USGS StreamStats, (https://water.usgs.gov/osw/streamstats/ohio.html). The highest monthly flow is the highest monthly mean discharge occurring in a 12-month period from January to December.

Average Monthly Flow
The average monthly flow represents the estimated "normal" flow.

Temporary Access Fills (TAFs)
Include, but are not limited to, dewatering fills, causeways, cofferdams, access pads, temporary bridges, etc. below the OHWM.

Requirements
21 calendar days prior to the initiation of any in-stream work, provide the Engineer with Working Drawings that include:

- Plan view drawing (50 scale or less) showing the location of all TAFs proposed for use on the project.
- Scaled cross section and profile drawing showing the OHWM and the proposed hydraulic opening.
- Identify the minimum diameter size, placement location and thickness of non-erodible Dumped Rock Fill material on the plan and profile.
- Calculations analyzing the hydraulic impacts of the TAF on the waterway. Include in the calculations an analysis of the hydraulic opening sized adequately to pass the Standard Temporary Discharge without producing a rise in backwater above the OHWM. Include, in the analysis, calculated channel velocities adjacent to the TAF, culvert exit velocities, calculated headwater and tailwater elevations, and any additional appropriate calculations to assess potential impacts to the waterway during normal and anticipated high flow (twice the highest monthly flow) events.
- A description of all temporary material to be placed below the OHWM elevation.
- A description of the installation and staging of all temporary fill over the life of the contract.
- Identify the protection methods and/or structural Best Management Practices for minimizing impacts to the waterway.

- Volume of temporary fill below the OHWM elevation.
- A description of the diversion ditches, equipment, conduits or means for maintaining normal flows in the waterway.
- A description of the removal of all temporary fill and restoration of the channel and all areas impacted by the TAFs.
- A schedule outlining the timing of the placement and removal of all temporary fill.
- Have competent individuals prepare and check the Working Drawings and hydraulic calculations. Provide a cover sheet containing the preparer(s) and checker(s): First Name, Last Name and Initials. The preparer(s) and checker(s) shall not be the same individual. Have an Ohio Registered Engineer review, approve, sign, seal and date the Working Drawings and hydraulic calculations according to ORC 4733 and OAC 4733-35. Include the following statement on the Working Drawings:

  "These Working Drawings were prepared in compliance with the terms of these Special Provisions and all contract documents."

Do not begin in-stream work until the Engineer has accepted the Working Drawings and hydraulic calculations.

The design and construction of the Contractor's TAF must minimize impacts to water bodies, stream banks, stream beds, and riparian zones to the maximum extent practicable.

Fording of waterways and other aquatic resources is prohibited.

Construct TAFs in such a manner that will maintain flows, minimize upstream flooding, and avoid overtopping the TAF on a regular basis. ***TAFs shall be designed and constructed so that the hydraulic opening provides capacity for a discharge equal to twice the highest monthly flow without producing a rise in the backwater above the (OHWM).***

If the Contractor proposes a TAF which does not meet all the requirements of these Special Provisions, the Contractor must submit a request in writing for a modified TAF to the Engineer. The request must include all Working Drawings and hydraulic calculations required by these Special Provisions. The Department makes no guarantee to grant the request. The Contractor's proposed TAF request will be coordinated by OES with the USACE and the OEPA, as appropriate. The time frame allowed for the coordination of the contractor's proposed TAF will be a minimum of 60 days.

Installation of any temporary fill without appropriate authorization is strictly prohibited. All direct coordination with the USACE and/or OEPA will be performed through OES.

TAFs Construction and Payment

Begin planning and installing causeways and access fills as early in construction as possible to avoid conflicts with these Special Provisions or other environmental commitments that have been included in the construction plans.

TAFs in Streams and Rivers may include, but are not limited to, causeways, cofferdams, access pads, sheet piling, temporary bridges, etc. The Contractor must make every attempt to minimize disturbance to waterbodies, stream banks, stream beds and riparian zones during the construction, maintenance, and removal of the TAF. Construct the TAFs as narrow as practical. Install in-stream conduits parallel to the stream banks. Make the TAFs in shallow areas rather than deep pools where possible. Minimize clearing, grubbing, and excavation of stream banks, and approach sections. Construct the TAFs as to not cause erosion or allow sediment deposits in the waterway.

Prior to the initiation of any in-stream work, establish a monument upstream of the proposed TAF to visually monitor the water elevation in the waterway where the fill is permitted. Maintain the monument throughout the project. Provide a visual mark on the monument that identifies the elevation 1 foot above the OHWM. Ensure that the monument can be read from the bank of the waterway. Have this elevation set and certified by an Ohio Registered Surveyor. All costs associated with furnishing and maintaining the above referenced monument is incidental to the work.

Should the surface water elevation exceed the elevation 1 foot above OHWM, the Department will compensate the Contractor for repair of any resulting damage to the TAF up to the elevation of 1 foot above the OHWM, except as noted. The Department will recognize this event as an excusable, non-compensable delay in accordance with Section 108.06 B. of the Construction & Materials Specifications.

Follow the requirements in Item 502 for Structures for Maintaining Traffic and in Item 503 for Cofferdams and Excavation Bracing and any modifications to these items as shown in the plans. The Department will not pay for repair and maintenance of TAFs associated with Items 502 and 503 as a result of surface water elevation exceeding 1 foot above the OHWM. Compensation for damages associated with waterway flows will be provided as described in Items 502 and 503.

Construct the TAFs, not including Items 502 and 503, to a water elevation at least 1 foot (0.3 m) above the OHWM. If more than one-third the width of the stream is filled, then use culvert pipes to allow the movement of aquatic life. Ensure that any ponding of water behind the TAF will not damage property, flood roadways, or threaten human health and safety.

The following minimum requirements apply to TAFs where culverts are used:

A. Furnish culverts on the existing stream bottom.
B. Avoid a drop in water elevation at the downstream end of the culvert that would result in an adverse impact to the waterway.
C. Furnish a sufficient number of culverts in addition to stream openings to provide a discharge equal to twice the highest monthly flow without producing a rise in the backwater above the OHWM.
D. Furnish culverts with a minimum diameter of 18 inches (0.5 m).

All TAFs must be constructed of suitable materials. Causeways and access fills must be encapsulated with clean, non-erodible, nontoxic Dumped Rock Fill, Type A, B, C, or D, meeting the requirements of C&MS 703.19.B. Utilize appropriately sized Dumped Rock Fill determined by the Contractor's engineer for encapsulating the sides of the TAF. Encapsulate all sides of the TAF with the non-erodible material. For causeways, contractors may use clean aggregate meeting C&MS 703.01 Size Number 1 and 2 for creating a working surface above the OHWM. Extend the non-erodible encapsulating material to at least the elevation of the top of the working surface. Extend clean aggregate up the slope from the original stream bank for 50 feet (10 m) to remove erodible material and prevent tracking from equipment onto the TAF.

When the work requiring TAF is complete, all portions of the TAF (including all rock and culverts) will be removed in its entirety. Do not dispose of TAF material in other aquatic resources or where erosion into another aquatic resource is possible. The stream bottom affected by the TAFs will be restored to its pre-construction elevations. The TAFs will not be paid as a separate item but will be included by the Contractor as part of the total project cost.

Unless specific TAF compensation is included in the plans, all environmental protection and control associated with the authorized activities are incidental to the work within the boundaries of the aquatic resources.

11. Excavation Activities:

Excavated material will be placed at an upland site and disposed of in such a manner that sediment and runoff to streams and other aquatic resources is controlled and minimized. Additionally, no more than incidental fallback into aquatic resources is permitted during the excavation process. If any changes to the proposed work are deemed necessary, notify the Engineer who will immediately contact the ODOT-District Environmental Coordinator and ODOT-OES-WPU at 614-466-2159.

12. Demolition Debris:

The intentional discharge of demolition debris from any structure (including but not limited to bridges, culverts, abutments, wing walls, piers) is not authorized for this project. If any demolition debris inadvertently falls into aquatic resources, it must be removed immediately. Notify the Engineer immediately in writing of any inadvertent fill discharged into aquatic resources. The Engineer will immediately contact ODOT-OES-WPU at 614-466-2159 if any unintentional discharge occurs.

Version: July 2020

Ohio EPA Notification
PIK-124-14.96, PID: 119782
03/05/2025

TABLE 1. STREAM DISCHARGE AND FILL QUANTITIES

Stream	Station	Description of Impacts	Length (LF)	Width (LF)	Depth (LF)	Existing Culvert	Culvert Overlap	Permanent Fill Below OHWM												Total Permanent Fill			Total Temporary Fill			Total Impact Length
								Proposed Concrete (Includes Culvert, Piers, Walls, Abutments, etc.)			Proposed RCP			Proposed Earthen, Granular, or Embankment Fill			Proposed Other (Steel, Etc.)									
						Length (LF)	Length (LF)	Length (LF)	Area (AC)	Volume (CY)	Length (LF)	Area (AC)	Volume (CY)	Length (LF)	Area (AC)	Volume (CY)	Length (LF)	Area (AC)	Volume (CY)	Length (LF)	Area (AC)	Volume (CY)	Length (LF)	Area (AC)	Volume (CY)	Length (LF)
UNT of Sunfish Creek #2	**STA 35+44.80**	**Culvert Replacement - Grading, RCP, and TAF.**	**120**	**3**	**0.21**	**42**	**42**	89	0.0217	39	26	0.005	18	21	0.015	100	N/A	N/A	N/A	115	0.028	157	30	0.006	5	115
					SUM:	**42**	**42**	**89**	**0.0217**	**39**	**26**	**0.005**	**18**	**21**	**0.015**	**100**	**N/A**	**N/A**	**N/A**	**115**	**0.028**	**157**	**30**	**0.006**	**5**	**115**

LF = linear feet; AC = acres; CY = cubic yards; RCP = rock channel protection or the like (specify if different, i.e.. concrete block matting); NA = Not Applicable

TABLE 2. WETLAND DISCHARGE AND FILL QUANTITIES

Wetland	Station	Description of Impacts	Acreage (AC)	Depth (LF)	Permanent Fill Within Wetland Boundary								Total Permanent Fill		Total Temporary Fill		Total Impact Acreage
					Proposed Concrete (Includes Culvert, Piers, Walls, Abutments, etc.)		Proposed RCP		Proposed Earthen, Granular, or Embankment Fill		Proposed Other (Steel, Etc.)						
					Area (AC)	Volume (CY)	Area (AC)	Volume (CY)	Area (AC)	Volume (CY)	Area (AC)	Volume (CY)	Area (AC)	Volume (CY)	Area (AC)	Volume (CY)	Area (AC)
Wetland A	STA 39+94.00	Culvert Replacement - Grading, RCP, and TAF.	0.381	1	N/A	N/A	0.014	27	0.377	640	N/A	N/A	0.381	667	N/A	N/A	0.381
				SUM:	N/A	N/A	0.014	27	0.377	640	N/A	N/A	0.381	667	N/A	N/A	0.381

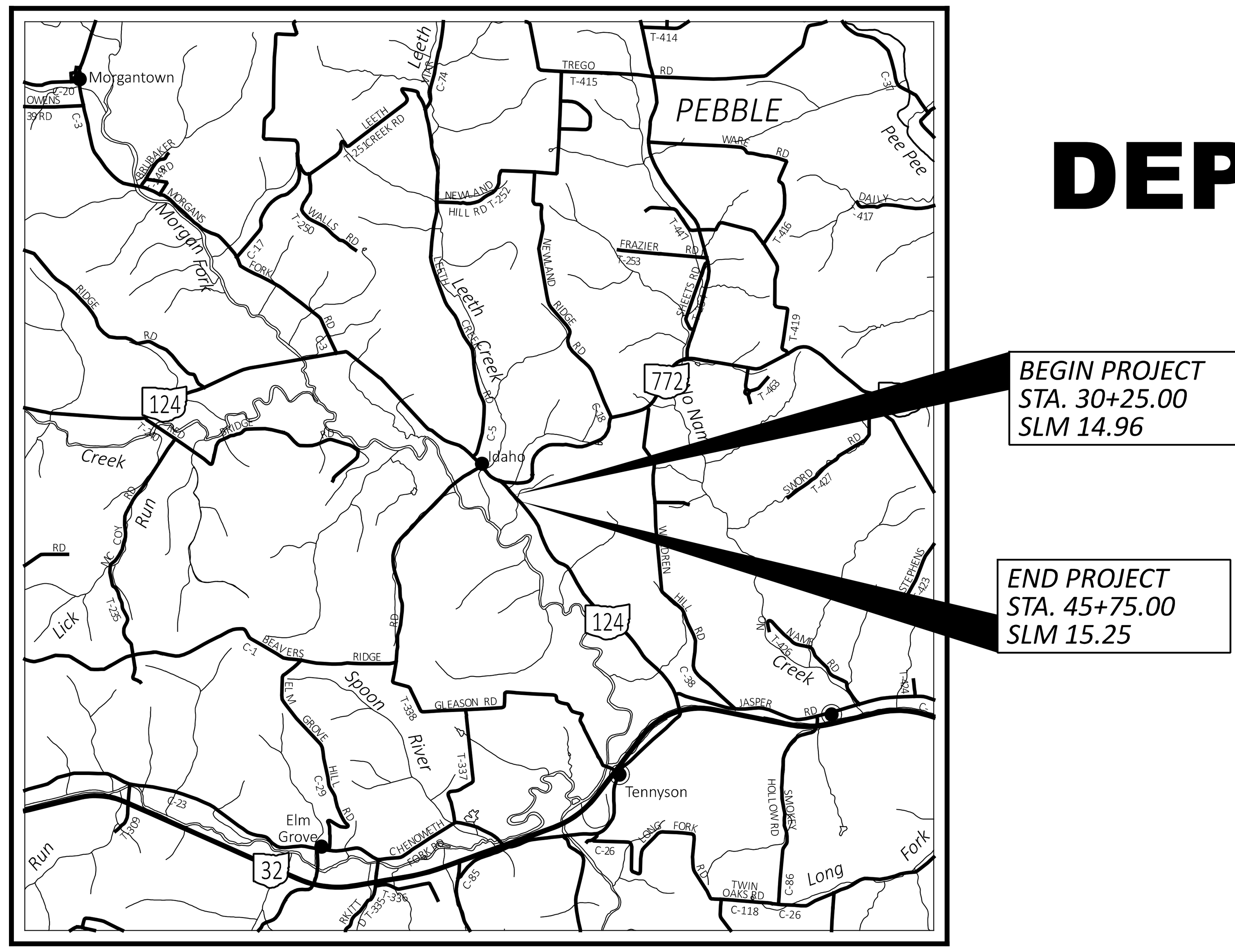
LF = linear feet; AC = acres; CY = cubic yards; RCP = rock channel protection or the like (specify if different, i.e.. concrete block matting); N/A = Not Applicable

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

PIK-124-14.96

NEWTON TOWNSHIP

PIKE COUNTY



LOCATION MAP

LATITUDE: 39°05'03"N LONGITUDE: 83°08'13"W

N

PORTION TO BE IMPROVED
INTERSTATE HIGHWAY
FEDERAL ROUTES
STATE ROUTES
COUNTY & TOWNSHIP ROADS
OTHER ROADS

DESIGN DESIGNATION

CURRENT ADT (2025)	3500
DESIGN YEAR ADT (2045)	4400
DESIGN HOURLY VOLUME (2045)	550
DIRECTIONAL DISTRIBUTION	58.5 %
TRUCKS (24 HOUR B&C)	16
DESIGN SPEED	60
LEGAL SPEED	55
DESIGN FUNCTIONAL CLASSIFICATION: RURAL MAJOR COLLECTOR	
NHS PROJECT	NO

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig
OHIO811.org
Before You Dig
OHIO811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)

PLAN PREPARED BY:
BG ENGINEERING GROUP, LLC
5960 WILCOX PLACE, SUITE C
DUBLIN, OHIO 43016

FEDERAL PROJECT NUMBER

E230866

RAILROAD INVOLVEMENT

N/A

PROJECT DESCRIPTION

THE PROPOSED PROJECT WILL ADDRESS FLOODING AT S.R. 124 IN PIKE COUNTY. IMPROVEMENTS INCLUDE THE REPLACEMENT OF TWO ROADWAY CULVERTS, VERTICAL PROFILE REVISIONS, AND DRIVEWAY RECONSTRUCTION DUE TO VERTICAL PROFILE REVISIONS.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	3.57 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.55 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	4.12 ACRES

INDEX OF SHEETS:

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

Michael G. Dombrowski
Michael G. Dombrowski
District 09 Deputy Director

Pamela Boratyn
Pamela Boratyn
Director, Department of Transportation

STANDARD CONSTRUCTION DRAWINGS								SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS
BP-3.1	1-19-24	MT-96.11	7-21-23					800-2023	7-19-24	
BP-4.1	7-19-13	MT-96.20	7-21-23					832	7-19-24	
		MT-96.26	1-18-19					873	4-16-21	
DM-1.1	7-17-20	MT-101.70	4-21-23					902	7-19-19	
DM-4.3	1-15-16	MT-101.75	7-21-23					961	4-17-20	
DM-4.4	1-15-16	MT-101.90	7-17-20							
		MT-105.10	1-17-20							
HW-2.1	7-15-22									
HW-2.2	7-20-18	TC-41.20	10-18-13							
		TC-42.20	10-18-13							
MGS-1.1	7-16-21	TC-52.10	10-18-13							
MGS-2.1	1-19-18	TC-52.20	1-15-21							
MGS-5.3	7-15-16	TC-61.30	7-19-24							
		TC-65.10	1-17-14							
RM-1.1	1-20-23	TC-65.11	1-19-24							
RM-4.2	7-19-24									

ENGINEER'S SEAL
ROADWAY

STATE OF OHIO
GREGORY T. BOYER
E-54301
REGISTERED
PROFESSIONAL ENGINEER

TITLE SHEET

DESIGN AGENCY
BG
www.bgenggroup.com
5960 WILCOX PLACE, SUITE C
DUBLIN, OHIO 43016

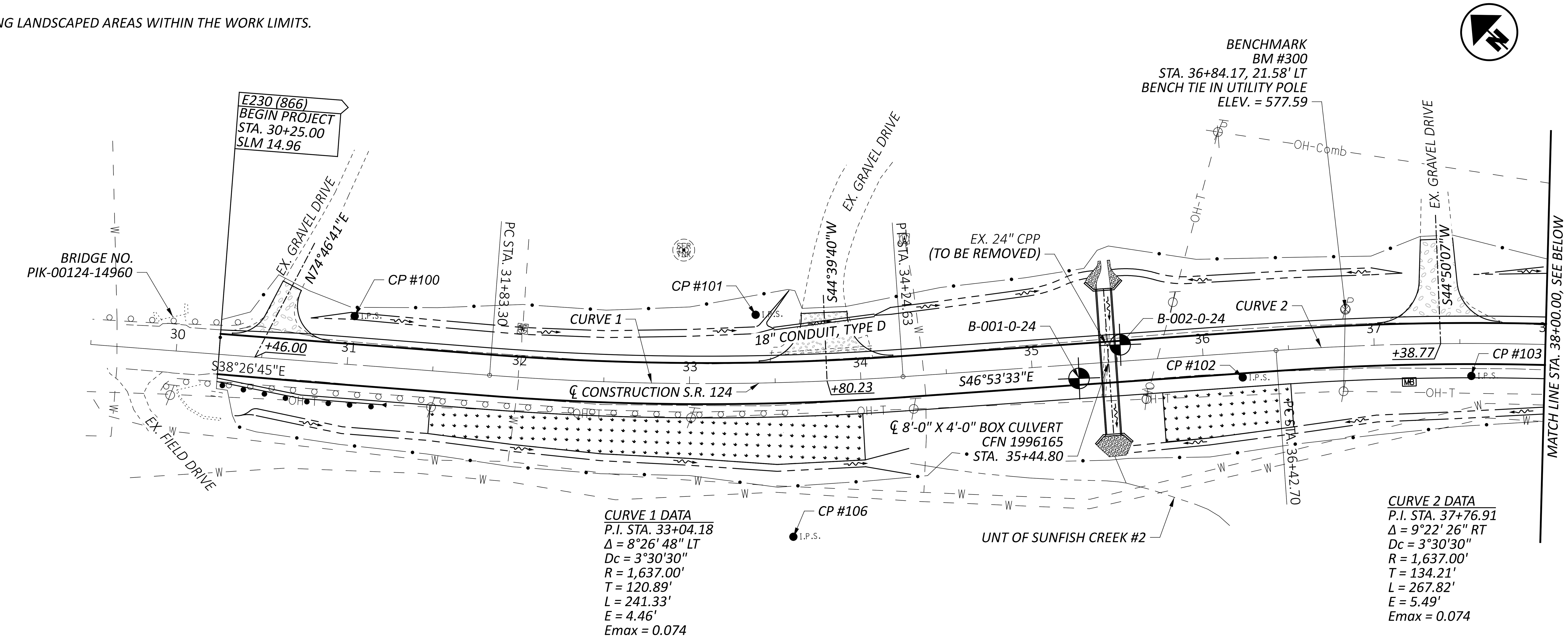
DESIGNER	LA
REVIEWER	RG 11/07/24
PROJECT ID	119782
SHEET	P.1
TOTAL	53

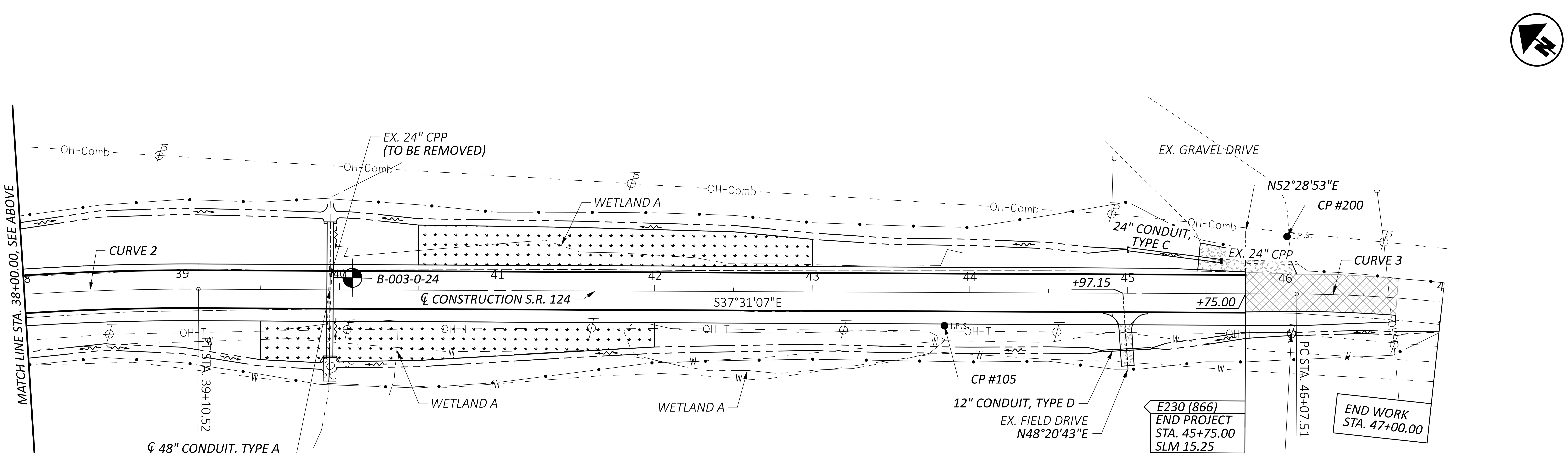
PIK-124-14.96

MODEL: GT001 PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 11:07:03 AM USER: jperchinske
P:\Transportation\WorkSets\117406_VAR-D09 Genl Eng Servs FY 23-24\404-Engineering_PIK-124-1500\Roadway\Sheets\119782_GT001.dgn

NOTES:

1. THERE ARE NO EXISTING LANDSCAPED AREAS WITHIN THE WORK LIMITS.





CURVE 2 DATA
P.I. STA. 37+76.91
Δ = 9°22' 26" RT
Dc = 3°30'30"
R = 1,637.00'
T = 134.21'
L = 267.82'
E = 5.49'
Emax = 0.074

RESURFACING

VEGETATED FILTER STRIP

CONTROL POINTS - GROUND COORDINATES (℄ CONSTRUCTION S.R. 124)						
CONTROL POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP #100	31+02.22	28.39' LT	395874.569	1787565.129	579.53	⅝" REBAR & CAP
CP #101	33+39.28	39.94' LT	395703.706	1787724.756	578.07	⅝" REBAR & CAP
CP #106	33+57.92	90.17' RT	395599.413	1787644.745	574.72	⅝" REBAR & CAP
CP #102	36+22.21	14.36' RT	395470.603	1787891.190	575.32	⅝" REBAR & CAP
CP #103	37+56.69	18.91' RT	395373.484	1787982.554	576.39	⅝" REBAR & CAP
CP #105	43+84.00	21.06' RT	394880.497	1788367.337	577.70	⅝" REBAR & CAP
CP #200	46+01.19	36.42' LT	394743.290	1788545.201	589.78	⅝" REBAR & CAP

BENCHMARK
BM #100
STA. 46+04.29, 24.97' RT
BENCH TIE IN TELEPHONE POLE
ELEV. = 589.88

CURVE 3 DATA
P.I. = STA. 47+67.11
Δ = 20°06'45" RT
Dc = 06°21'58"
R = 900.00'
T = 159.6'
L = 315.93'
E = 14.04'

HORIZONTAL SCALE IN FEET
0 20 40 80

SCHEMATIC PLAN
S.R. 124

DESIGN AGENCY
BG
www.bgengroup.com
5960 WILCOX PLACE, SUITE C
DUBLIN, OHIO 43016

DESIGNER
LA
REVIEWER
RG 11/07/24
PROJECT ID
119782
SHEET TOTAL
P.2 53

PIK-124-14.96

MODEL: GB001 PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 10:32:16 AM USER: jperchinske
P:\Transportation\WorkSets\117406_VAR-D09 Genl Eng Servs FY 23-24\404-Engineering_PIK-124-1500\Roadway\Sheets\119782_GB001.dgn

ROUNDING
THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS, EVEN THOUGH OTHERWISE SHOWN.

UTILITIES
LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN OR ADJACENT TO THE PROJECT CONSTRUCTION LIMITS, TOGETHER WITH THEIR RESPECTIVE OWNERS.

AMERICAN ELECTRIC POWER (DISTRIBUTION) 38831 STATE ROUTE 7 REEDSVILLE, OHIO 45772 MR. CLARKE SAUNDERS 740-985-3054	CHARTER COMMUNICATIONS 32 ENTERPRISE DRIVE CHILICOTHE, OHIO 45601 AARON KEMPTON 740-648-3091
FRONTIER COMMUNICATIONS 1315 ALBERT STREET PORTSMOUTH, OHIO 45662 MS. DENA MARTIN 740-354-0521	PIKE WATER, INC. P.O. BOX 191 WAVERLY, OHIO 45690 MR. FARON YOUNG 740-947-2524

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

EXISTING PLANS
EXISTING PLANS ENTITLED PIK-104-(0.00-3.62) MAY BE INSPECTED IN THE ODOT DISTRICT 9 OFFICE IN CHILLICOTHE, OH.

SURVEYING PARAMETERS
PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE THIS SHEET FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD: ODOT VRS
MONUMENT TYPE: TYPE B
VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: GEOID 18

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83 (2011)
ELLIPSOID: GRS80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLANE, SOUTH ZONE
COMBINED SCALE FACTOR: 1.00007273
ORIGIN OF COORDINATE
SYSTEM: 0, 0

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

CLEARING AND GRUBBING
THE DEPARTMENT HAS NOT MARKED INDIVIDUAL TREES AND STUMPS FOR REMOVAL. UNLESS SPECIFICALLY DESIGNATED AS "DO NOT DISTURB" IN THE PLANS, REMOVE ALL TREES AND STUMPS WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR ITEM 201 CLEARING AND GRUBBING.

WORK LIMITS
THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

ITEM 204 - PROOF ROLLING
THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING.

ITEM 204 - PROOF ROLLING 4 HOUR

CONNECTION BETWEEN EXISTING AND PROPOSED GUARDRAIL
WHEN IT IS NECESSARY TO SPLICE PROPOSED GUARDRAIL TO EXISTING GUARDRAIL, ONLY THE EXISTING GUARDRAIL SHALL BE CUT, DRILLED, OR PUNCHED. THE CONNECTION SHALL BE MADE USING A W-BEAM, BEAM SPLICE AS SHOWN IN AASHTO M 180-12, EXCEPT THE BEAM WASHERS ARE NOT TO BE USED. PAYMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RESPECTIVE GUARDRAIL ITEMS.

ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E
THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE GUARDRAIL END TERMINALS FOR TYPE MGS GUARDRAIL AS LISTED ON ROADWAY ENGINEERING'S WEB PAGE UNDER ROADSIDE SAFETY DEVICES FOR APPROVED GUARDRAIL END TREATMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH A SHEET OF TYPE G REFLECTIVE SHEETING, PER CMS 730.19.

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE E, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALL RELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

SEEDING AND MULCHING
THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659, TOPSOIL	1063 CU. YD.
659, SEEDING AND MULCHING	9575 SQ. YD.
659, COMMERCIAL FERTILIZER	1.29 TON
659, LIME	1.98 ACRES
659, WATER	52 M. GAL.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

ENDANGERED BAT HABITAT
ENSURE IMPACTS TO THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT AND THE STATE LISTED AND PROTECTED LITTLE BROWN BAT AND TRICOLORED BAT ARE AVOIDED AND MINIMIZED. DO NOT REMOVE TREES FROM APRIL 1 THROUGH SEPTEMBER 30. PERFORM ALL NECESSARY TREE REMOVAL FROM OCTOBER 1 THROUGH MARCH 31. DEMARCATE CLEARING LIMITS IN THE FIELD TO AVOID ANY UNAUTHORIZED TREE CLEARING. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

POST CONSTRUCTION STORM WATER TREATMENT
THIS PLAN UTILIZES STRUCTURAL BEST MANAGEMENT PRACTICES (BMP'S) FOR POST CONSTRUCTION STORM WATER TREATMENT.

VEGETATED FILTER STRIP
THIS PLAN UTILIZES VEGETATED FILTER STRIP(S) FOR POST CONSTRUCTION STORM WATER TREATMENT. PLACE EITHER ITEM 660 SODDING OR ITEM 659 SEEDING AND MULCHING WITH A 4-INCH LIFT OF TOPSOIL AND ITEM 670, SLOPE EROSION PROTECTION TO ALL DISTURBED AREAS DESIGNATED AS VEGETATED FILTER STRIPS, THE EDGE OF SHOULDER, AND THE FORESLOPE AS SPECIFIED IN THE PLANS.

ITEM 605 - AGGREGATE DRAINS
AGGREGATE DRAINS SHALL BE PLACED AT 50 FOOT INTERVALS ON EACH SIDE OF NORMAL CROWNED SECTIONS, STAGGERED SO THAT EACH DRAIN IS 25 FEET FROM THE ADJACENT DRAIN ON THE OPPOSITE SIDE, AND AT 25 FOOT INTERVALS ON THE LOW SIDE ONLY OF SUPERELEVATED SECTIONS. AN AGGREGATE DRAIN SHALL BE PLACED AT THE LOW POINT OF EACH SAG VERTICAL CURVE.

ITEM SPECIAL - MAILBOX REMOVED AND RESET
THE MAILBOX SHALL BE SECURELY AND NEATLY RESET BY THE CONTRACTOR. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ATTACHMENT HARDWARE (NUTS, BOLTS, PLATES, SPACERS, AND WASHERS) AS NECESSARY TO ACCOMMODATE THE COMPLETE INSTALLATION.

THE CONTRACTOR SHALL SALVAGE THE EXISTING BOX AND SUPPORT. DUE CARE SHALL BE EXERCISED IN SUCH AN OPERATION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY BOX DAMAGED BY IMPROPER HANDLING ON HIS PART, AS JUDGED AND DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE LOCAL POST MASTER REGARDING THE TIMING OF THE MOVEMENT OF ANY MAILBOX TO A NEW LOCATION.

PAYMENT UNDER THIS ITEM SHALL BE LIMITED TO FINAL PERMANENT INSTALLATIONS. TEMPORARY INSTALLATIONS SHALL BE IN ACCORDANCE WITH 107.10. HOWEVER, THE SAME MATERIAL AND SIZE LIMITATIONS AS FOR PERMANENT INSTALLATIONS SHALL APPLY.

MAILBOX SUPPORTS, COMPLETE IN PLACE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH, FOR ITEM SPECIAL MAILBOX REMOVED AND RESET.

FARM DRAINS
PROVIDE UNOBSTRUCTED OUTLETS TO ALL FARM DRAINS ENCOUNTERED DURING CONSTRUCTION. REPLACE EXISTING COLLECTORS WHICH ARE LOCATED BELOW THE ROADWAY DITCH ELEVATIONS, AND WHICH CROSS THE ROADWAY WITHIN THE (RIGHT OF WAY)(CONSTRUCTION) LIMITS WITH ITEM 611, CONDUIT, TYPE B, ONE COMMERCIAL SIZE LARGER THAN THE EXISTING CONDUIT.

OUTLET EXISTING COLLECTORS AND ISOLATED FARM DRAINS, WHICH ARE ENCOUNTERED ABOVE THE ELEVATION OF ROADWAY DITCHES INTO THE ROADWAY DITCH USING ITEM 611, TYPE F CONDUIT. THE OPTIMUM OUTLET ELEVATION IS ONE FOOT ABOVE THE FLOWLINE ELEVATION OF THE DITCH. INTERCEPT LATERAL FIELD TILES WHICH CROSS THE ROADWAY WITH ITEM 611, TYPE E CONDUIT, AND CARRY IN A LONGITUDINAL DIRECTION TO AN ADEQUATE OUTLET OR ROADWAY CROSSING.

THE LOCATION, TYPE, SIZE AND GRADE OF REPLACEMENTS IS DETERMINED BY THE ENGINEER AND PAYMENT MADE ON FINAL MEASUREMENTS.

PROVIDE EROSION CONTROL PADS AT THE OUTLET END OF ALL FARM DRAINS PER STANDARD CONSTRUCTION DRAWING DM-1.1, EXCEPT WHEN THEY OUTLET INTO A DRAINAGE STRUCTURE.

PAYMENT FOR THE EROSION CONTROL PADS AND ANY NECESSARY BENDS OR BRANCHES IS INCLUDED FOR PAYMENT IN THE PERTINENT CONDUIT ITEMS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM 611, 6“ CONDUIT, TYPE E	50 FT
ITEM 611, 6“ CONDUIT, TYPE F	50 FT

AGGREGATE DRAINS

LT	STATION	RT	LT	STATION	RT	LT	STATION	RT	LT	STATION	RT	LT	STATION	RT	LT	STATION	RT
	30+25	10	12	33+25			36+25	10		39+25	10		42+25	10	9	45+25	
	30+50	8	14	33+50			36+50	10		39+50	10	14	42+50			45+50	7
	30+75			33+75			36+75	10		39+75	10		42+75	10		45+75	
	31+00		12	34+00			37+00	10		40+00		14	43+00		254		295
	31+25		13	34+25			37+25	10		40+25	10		43+25	10		549 FT	
	31+50		14	34+50			37+50	10	14	40+50		13	43+50				
	31+75*		14	34+75			37+75	10		40+75	10	13	43+75*	10			
	32+00		14	35+00			38+00	10	14	41+00		13	44+00				
	32+25			35+25			38+25	10		41+25	10		44+25	10			
	32+50			35+50			38+50	10	14	41+50			44+50	10			
	32+75			35+75	10		38+75	10		41+75	10	9	44+75				
11	33+00			36+00	10		39+00	10	14	42+00		9	45+00				

* = LOW POINT

NOTE:
AGGREGATE DRAINS THAT ARE NOT SHOWN ON EITHER SIDE OF S.R. 124 AT VARIOUS STATIONS IN THE TABLE ABOVE CAN NOT BE PROVIDED ON THE LOW SIDE OF THE SUPERELEVATION AREAS SINCE THE PROPOSED DITCH IS TOO SHALLOW.

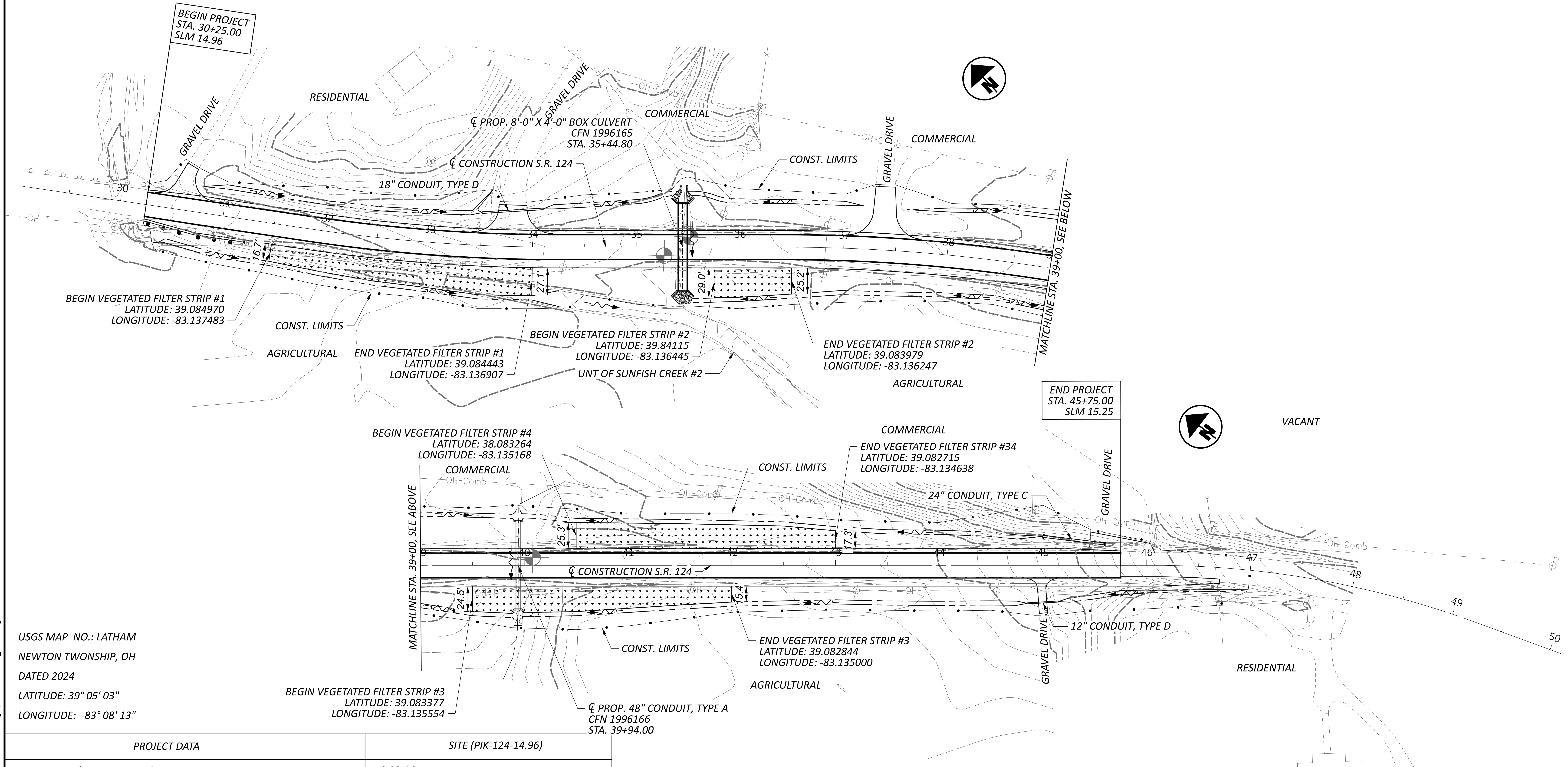
GENERAL NOTES

DESIGN AGENCY
BG
www.bgenggroup.com
5960 WILCOX PLACE, SUITE C
DUBLIN, OHIO 43016

DESIGNER
EAK
REVIEWER
RG 11/07/24
PROJECT ID
119782
SHEET P.6 TOTAL 53

PIK-124-14.96

MODEL: GN001 PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 10:32:20 AM USER: jperchinske
P:\Transportation\WorkSets\117406_VAR-D09 Genl Eng Servs FY 23-24\404-Engineering_PIK-124-1500\Roadway\Sheets\119782_GN001.dgn



USGS MAP NO.: LATHAM

NEWTON TWONSHIP, OH

DATED 2024

LATITUDE: 39° 05' 03"

LONGITUDE: -83° 08' 13"

PROJECT DATA	SITE (PIK-124-14.96)
TOTAL AREA (RIGHT-OF-WAY)	3.99 AC
PROJECT EARTH DISTURBED AREA	3.57 AC
ESTIMATED CONTRACTOR EARTH DISTURBED AREA	0.55 AC
NOTICE OF INTENT EARTH DISTRUBED AREA	4.12 AC
IMPERVIOUS (PAVED) AREA FOR PRE-CONSTRUCTION SITE	0.97 AC
IMPERVIOUS (PAVED) AREA FOR POST CONSTRUCTION SITE	1.34 AC
RUNOFF COEFFICIENT FOR PRE-CONSTRUCTION SITE	0.75
RUNOFF COEFFICIENT FOR POST CONSTRUCTION SITE	0.65
IMMEDIATE RECEIVING WATERS	SUNFISH CREEK
SUBSEQUENT RECEIVING WATER	SCIOTO RIVER
POST CONSTRUCTION BMP	VEGETATED FILTER STRIP
SOIL MAP PIKE COUNTY, OHIO (OH015)	C1, Omu1B1, Ss, TsF, Wya1B1

ITEMS INCLUDED WITH VEGETATIVE FILTER STRIP:

1. ITEM 659, TOPSOIL (ADD 4" TO THE GRASS PORTION OF THE SHOULDER AND FORESLOPE OF THE VEGETATIVE FILTER STRIP).
2. ITEM 670, SLOPE EROSION PROTECTION.

BMP	STATION FROM	STATION TO	AREA TREATED	DITCH WIDTH	FILTER WIDTH	LOCATION	LATITUDE	LONGITUDE
VEGETATED FILTER STRIP #1	31+50	34+00	0.17 AC	N/A	VARIES 16.7' - 27.1'	BEGIN END	39.084970 39.084443	-83.137483 -83.136907
VEGETATED FILTER STRIP #2	35+75	36+50	0.10 AC	N/A	VARIES 29.0' - 25.2'	BEGIN END	39.084115 39.083979	-83.136445 -83.136247
VEGETATED FILTER STRIP #3	39+50	42+00	0.26 AC	N/A	VARIES 24.5' - 15.4'	BEGIN END	39.083377 39.082844	-83.135554 -83.135000
VEGETATED FILTER STRIP #4	40+50	43+00	0.21 AC	N/A	VARIES 25.3' - 17.3'	BEGIN END	39.083264 39.082715	-83.135168 -83.134638
	TOTAL TREATMENT		0.74 AC	0.74 AC. > 0.71 AC.; OK				

VEGETATED FILTER STRIP

ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FABRIC (2'-6" THICK)

PROJECT DESCRIPTION

THE PROPOSED PROJECT WILL ADDRESS FLOODING AT S.R. 124 IN PIKE COUNTY. IMPROVEMENTS INCLUDE THE REPLACEMENT OF TWO ROADWAY CULVERTS, VERTICAL PROFILE REVISIONS, AND DRIVEWAY RECONSTRUCTION DUE TO VERTICAL PROFILE REVISIONS.

HORIZONTAL SCALE IN FEET
0 25 50 100

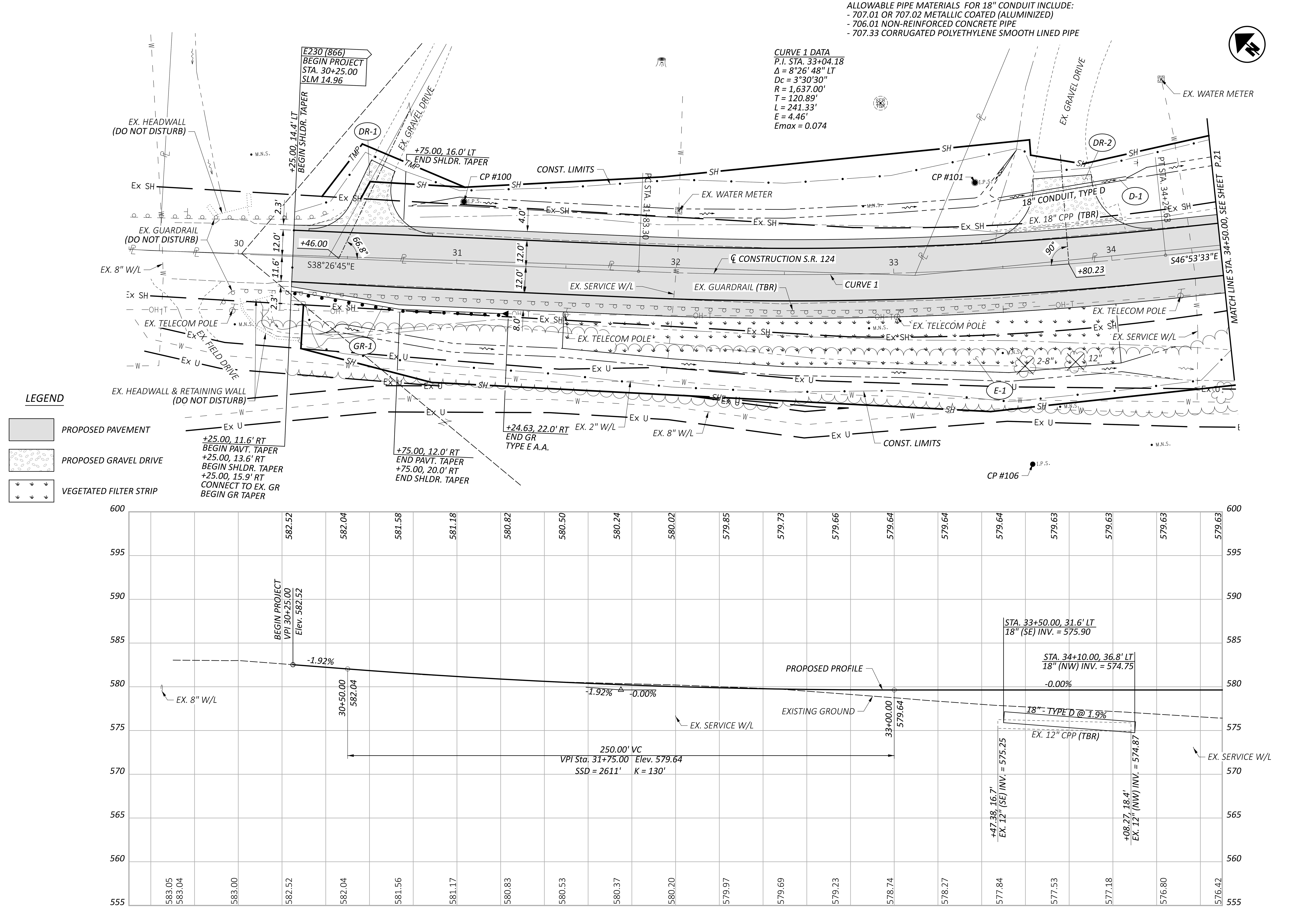
PROJECT SITE PLAN
S.R. 124

DESIGN AGENCY
BG
www.bgeng group.com
5960 WILCOX PLACE, SUITE C
DUBLIN, OHIO 43016

DESIGNER JEP
REVIEWER RG 11/07/24
PROJECT ID 119782
SHEET P.19 TOTAL 53

PIK-124-14.96

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 10:33:49 AM USER: jperchinske
P:\Transportation\WorkSets\117406_VAR-D09 Genl Eng Servs FY 23-24\404-Engineering_PIK-124-1500\Drainage\Sheets\119782_DE001.dgn



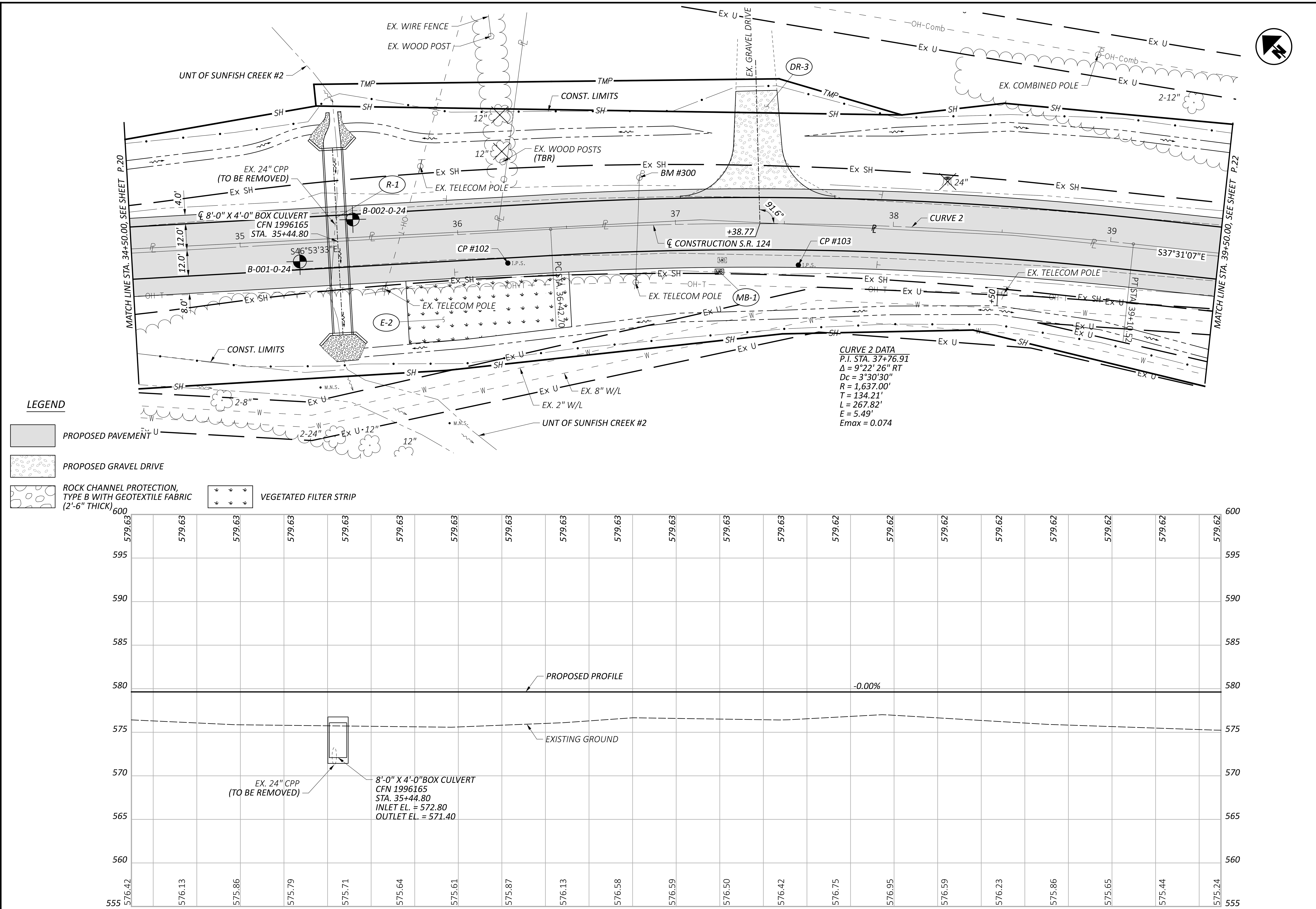
PIK-124-14.96

MODEL: GP001 PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 10:45:56 AM USER: jperchinske
P:\Transportation\WorkSets\117406_VAR-D09 Genl Eng Servs FY 23-24\404-Engineering_PIK-124-1500\Roadway\Sheets\119782_GP001.dgn

PLAN AND PROFILE - S.R. 124
STA. 30+00.00 TO STA. 34+50.00

DESIGN AGENCY
BG
www.bgengroup.com
5960 WILCOX PLACE, SUITE C
DUBLIN, OHIO 43016

DESIGNER	EAK
REVIEWER	RG 11/07/24
PROJECT ID	119782
SHEET	P.20
TOTAL	53



PLAN AND PROFILE - S.R. 124
STA. 34+50.00 TO STA. 39+50.00

DESIGN AGENCY
BG
www.bgenggroup.com
5960 WILCOX PLACE, SUITE C
DUBLIN, OHIO 43016

DESIGNER
EAK
REVIEWER
RG 11/07/24
PROJECT ID
119782
SHEET P.21 TOTAL 53

PIK-124-14.96

MODEL: GP002 PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 10:59:20 AM USER: jperchinske
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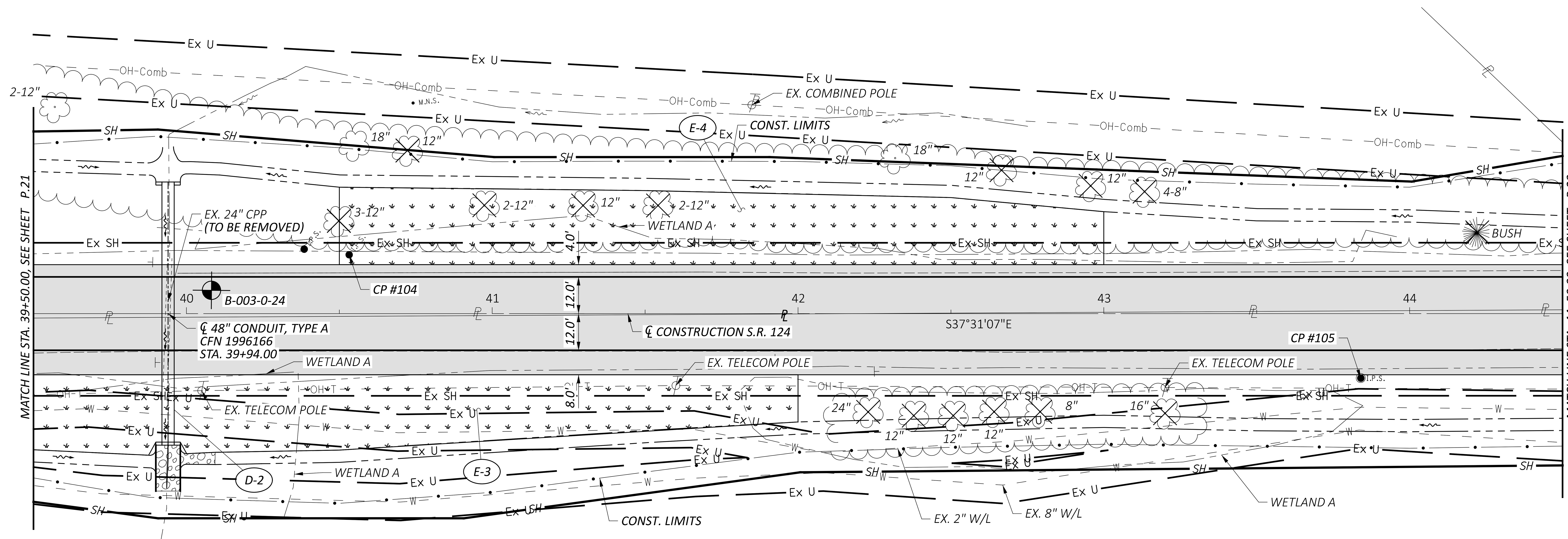
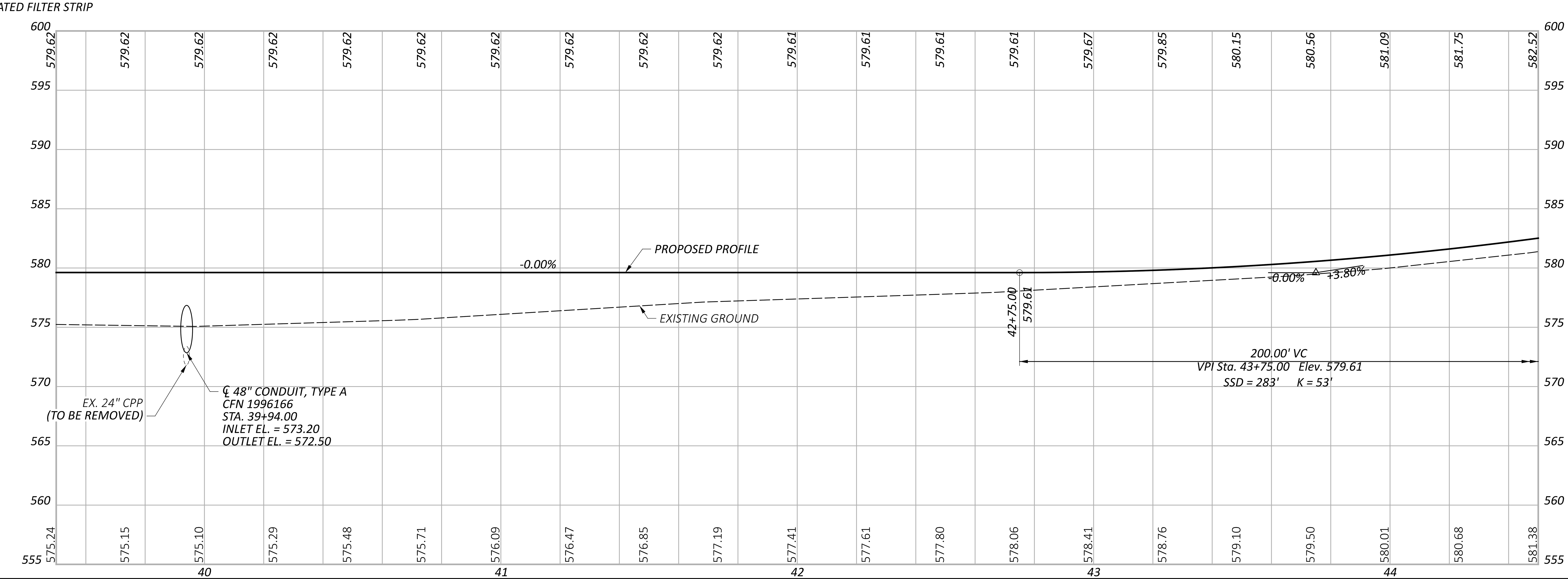


LEGEND

PROPOSED PAVEMENT

ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FABRIC (2'-6" THICK)

VEGETATED FILTER STRIP



HORIZONTAL SCALE IN FEET 0 10 20 40

PLAN AND PROFILE - S.R. 124
STA. 39+50.00 TO STA. 44+50.00

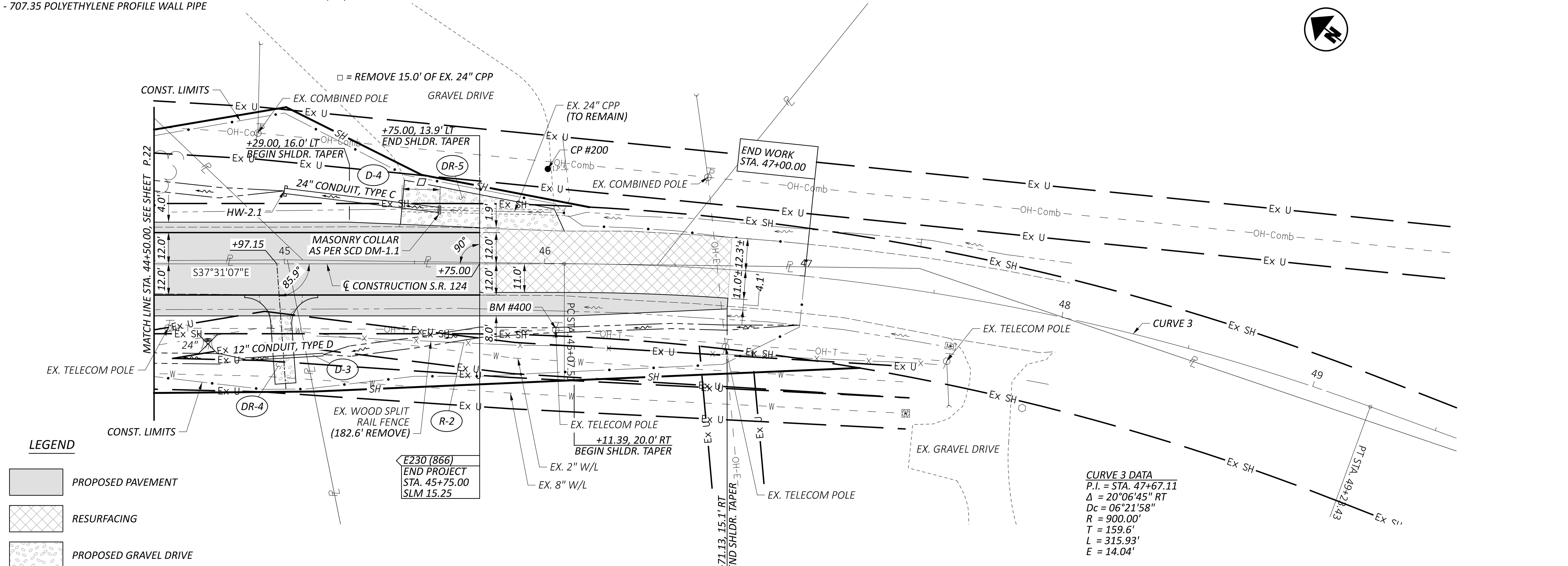
DESIGN AGENCY
BG www.bgenggroup.com 5960 WILCOX PLACE, SUITE C DUBLIN, OHIO 43016

DESIGNER EAK
REVIEWER RG 11/07/24
PROJECT ID 119782
SHEET P.22 TOTAL 53

PIK-124-14.96

MODEL: GP003 PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 11:01:30 AM USER: jperchinske
P:\Transportation\WorkSets\117406_VAR-D09 Genl Eng Servs FY 23-24\404-Engineering_PIK-124-1500\Roadway\Sheets\119782_GP003.dgn

ALLOWABLE PIPE MATERIALS FOR 24" CONDUIT INCLUDE:
- 707.33 CORRUGATED POLYETHYLENE SMOOTH LINED PIPE
- 707.34 POLYETHYLENE PLASTIC PIPE BASED ON OUTSIDE DIAMETER (OD)
- 707.35 POLYETHYLENE PROFILE WALL PIPE

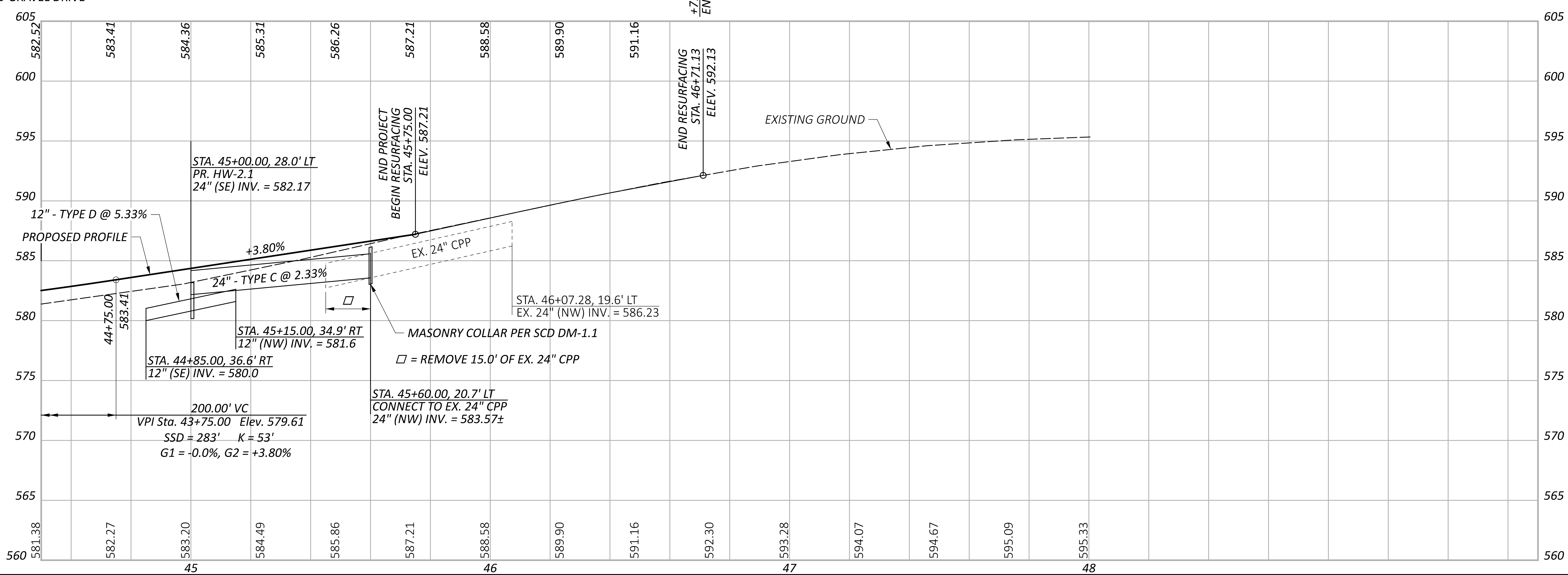


LEGEND

PROPOSED PAVEMENT

RESURFACING

PROPOSED GRAVEL DRIVE

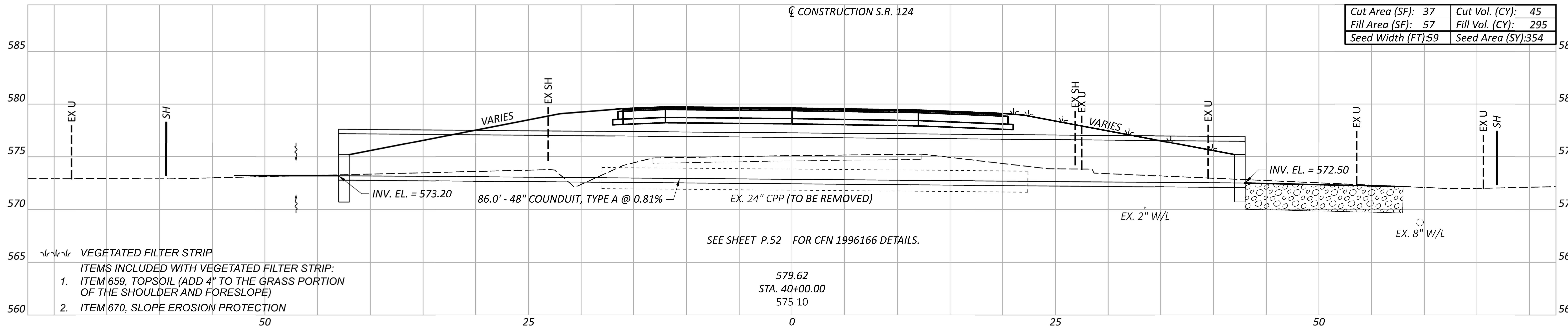


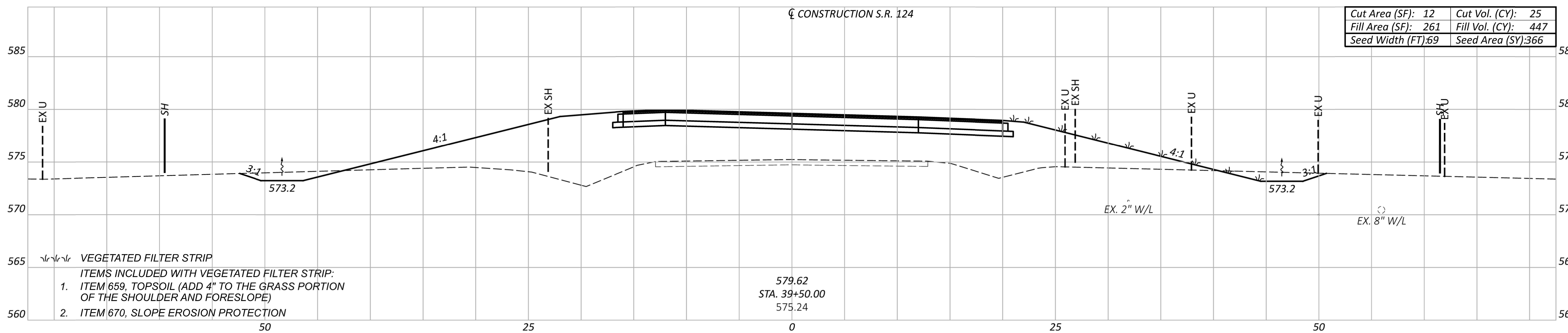
PLAN AND PROFILE - S.R. 124
STA. 44+50.00 TO STA. 46+00.00

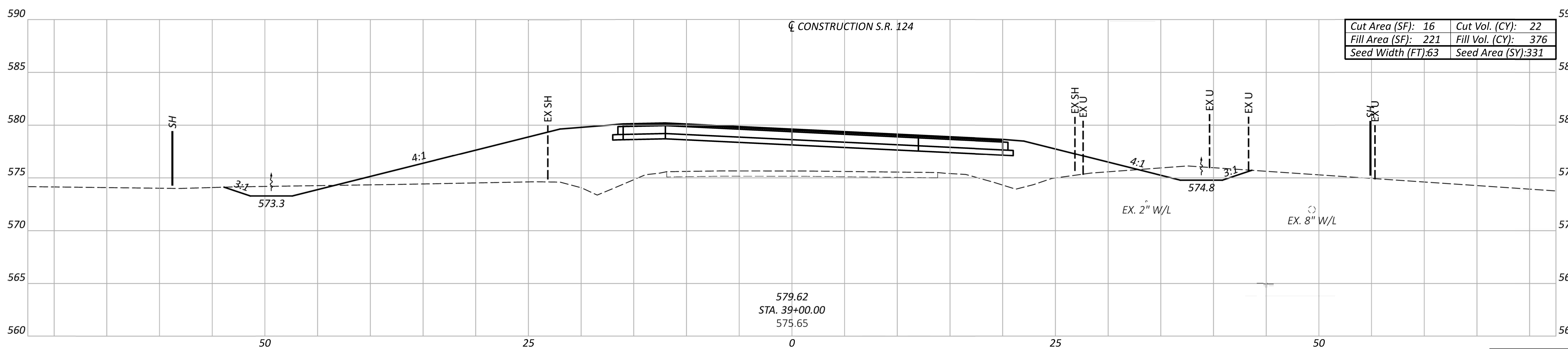
PIK-124-14.96

MODEL: GP004 PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 11:05:46 AM USER: jperchinske
P:\Transportation\WorkSets\117406_VAR-D09 Genl Eng Servs FY 23-24\404-Engineering_PIK-124-1500\Roadway\Sheets\119782_GP004.dgn

DESIGN AGENCY	BG · www.bgenggroup.com · 5960 WILCOX PLACE, SUITE C DUBLIN, OHIO 43016
DESIGNER	EAK
REVIEWER	RG 11/07/24
PROJECT ID	119782
SHEET / TOTAL	P.23 / 53







CROSS SECTIONS - S.R. 124
STA. 39+00.00 TO STA. 40+00.00

DESIGN AGENCY

BG
www.bgengroup.com
5960 WILCOX PLACE, SUITE C
DUBLIN, OHIO 43016

DESIGNER	EAK
REVIEWER	RG 11/07/24
PROJECT ID	119782
SHEET	P.32
TOTAL	53

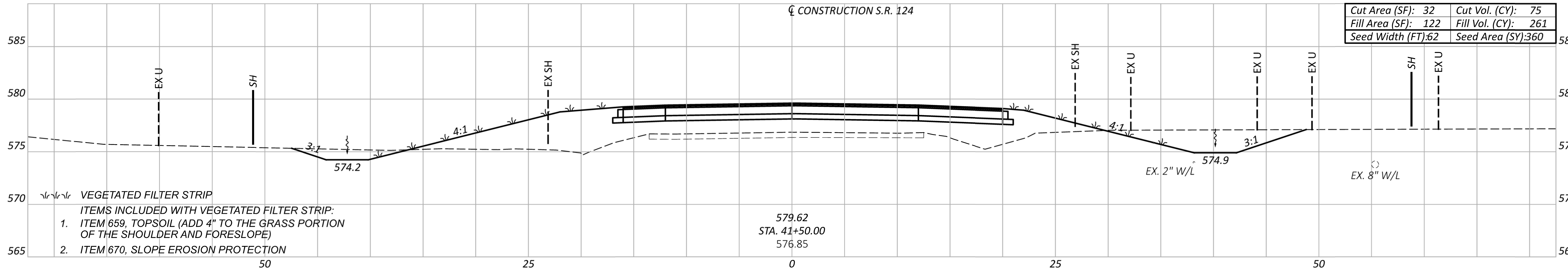
Sheet Totals		
Seeding	Cut	Fill
1051	92	1118

PIK-124-14.96

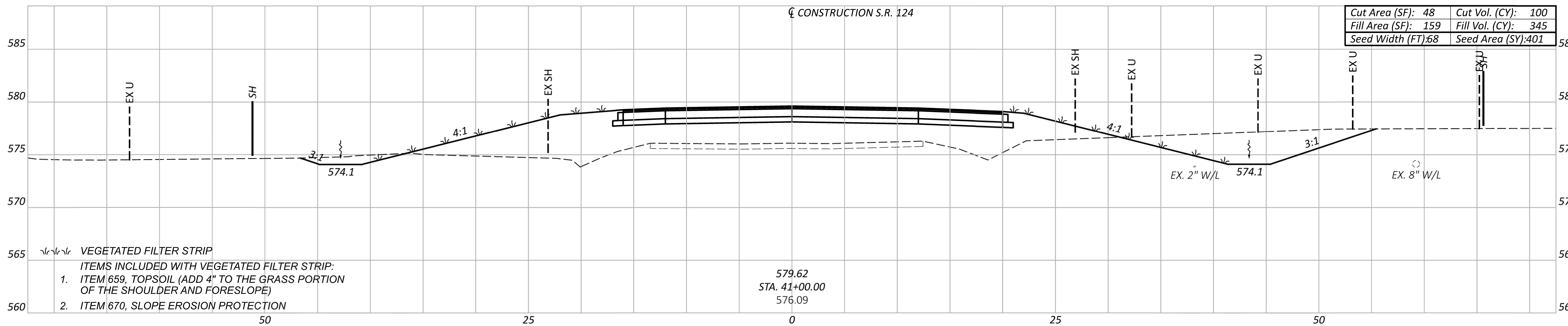
MODEL: GS009 PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 10:35:21 AM USER: jperchinske
P:\Transportation\WorkSets\117406_VAR-D09 Genl Eng Servs FY 23-24\404-Engineering_PIK-124-1500\Roadway\Sheets\119782_XS001.dgn

CROSS SECTIONS - S.R. 124
STA. 40+50.00 TO STA. 41+50.00

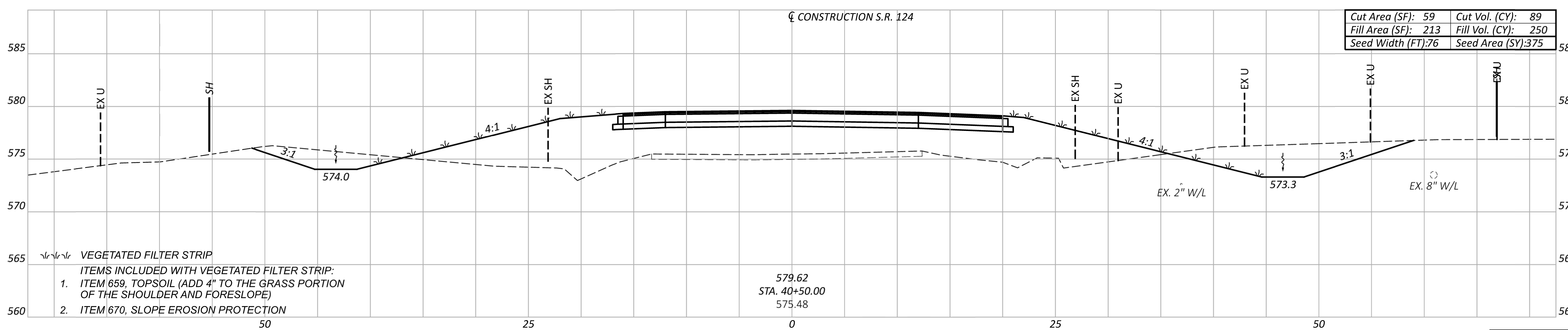
Cut Area (SF): 32	Cut Vol. (CY): 75
Fill Area (SF): 122	Fill Vol. (CY): 261
Seed Width (FT):62	Seed Area (SY):360



Cut Area (SF): 48	Cut Vol. (CY): 100
Fill Area (SF): 159	Fill Vol. (CY): 345
Seed Width (FT):68	Seed Area (SY):401



Cut Area (SF): 59	Cut Vol. (CY): 89
Fill Area (SF): 213	Fill Vol. (CY): 250
Seed Width (FT):76	Seed Area (SY):375



Sheet Totals		
Seeding	Cut	Fill
1136	264	856

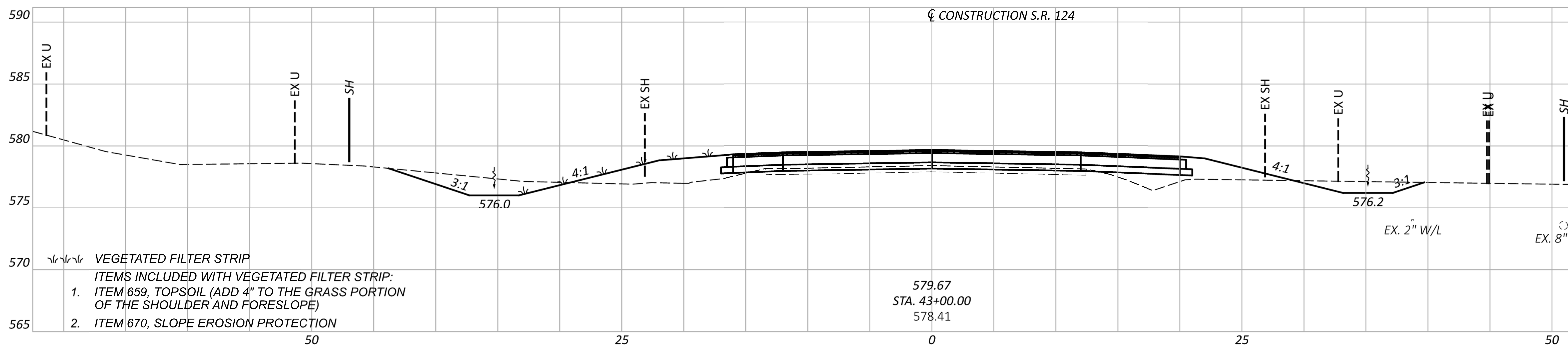
DESIGN AGENCY
BG
www.bgengroup.com
5960 WILCOX PLACE, SUITE C
DUBLIN, OHIO 43016

DESIGNER: EAK
REVIEWER: RG 11/07/24
PROJECT ID: 119782
SHEET: P.33 TOTAL: 53

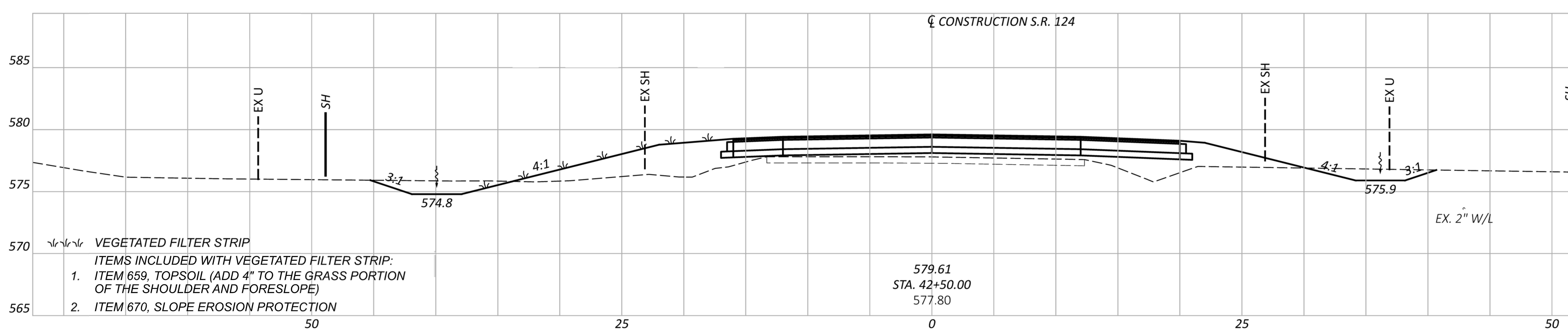
PIK-124-14.96

MODEL: GS010 PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 10:35:33 AM USER: jperchinske
P:\Transportation\WorkSets\117406_VAR-D09 Genl Eng Servs FY 23-24\404-Engineering_PIK-124-1500\Roadway\Sheets\119782_XS001.dgn

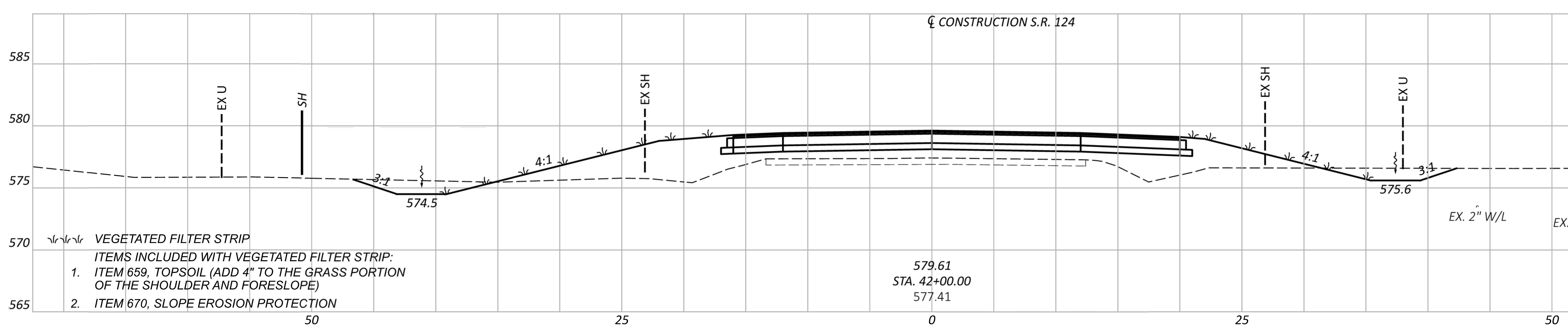
CROSS SECTIONS - S.R. 124
STA. 42+00.00 TO STA. 43+00.00



Cut Area (SF): 20	Cut Vol. (CY): 32
Fill Area (SF): 39	Fill Vol. (CY): 101
Seed Width (FT):49	Seed Area (SY):278



Cut Area (SF): 15	Cut Vol. (CY): 28
Fill Area (SF): 70	Fill Vol. (CY): 154
Seed Width (FT):51	Seed Area (SY):294



Cut Area (SF): 16	Cut Vol. (CY): 45
Fill Area (SF): 97	Fill Vol. (CY): 203
Seed Width (FT):55	Seed Area (SY):323

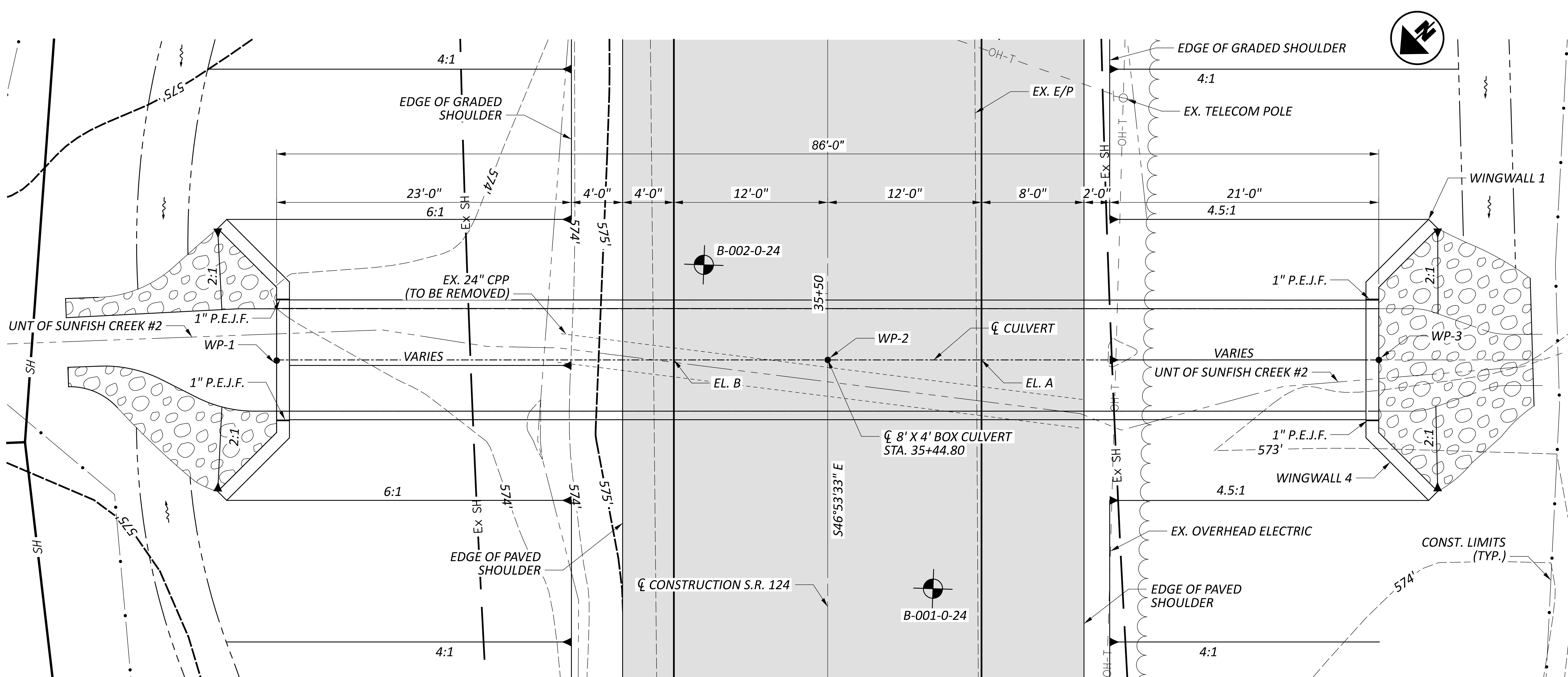
Sheet Totals		
Seeding	Cut	Fill
895	105	458

DESIGN AGENCY
BG
www.bgengrgroup.com
5960 WILCOX PLACE, SUITE C
DUBLIN, OHIO 43016
DESIGNER
EAK
REVIEWER
RG 11/07/24

PROJECT ID
119782

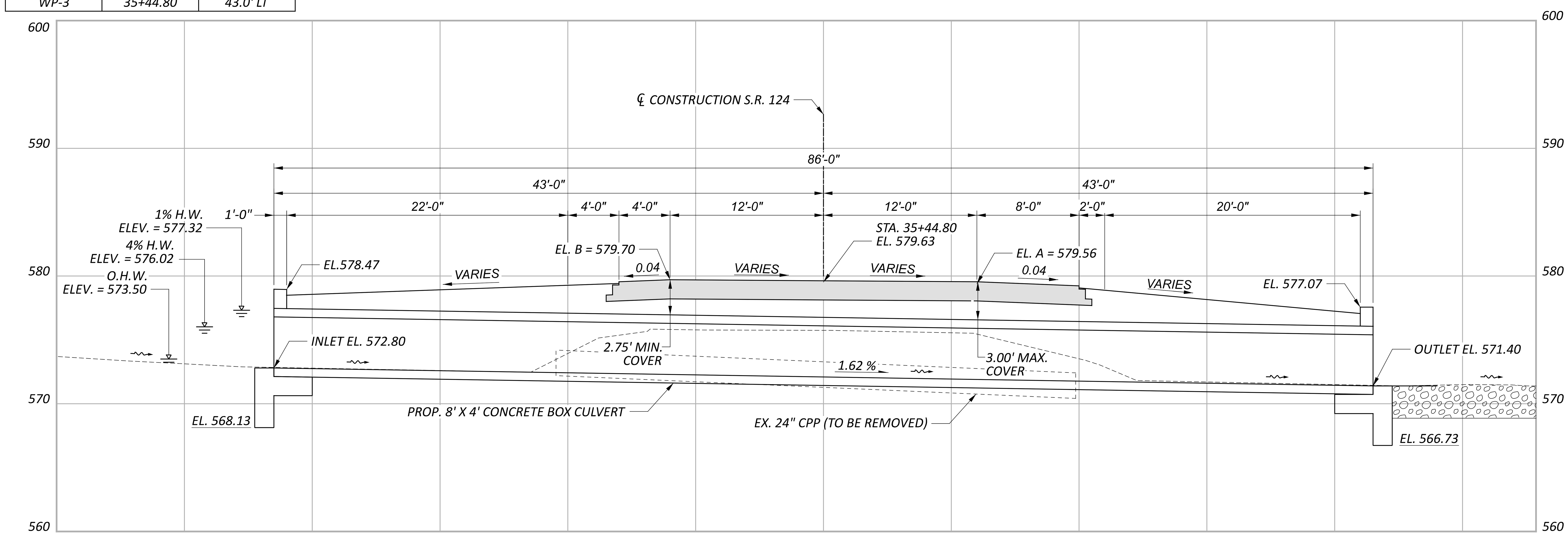
PIK-124-14.96

MODEL: GS011 PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 10:35:45 AM USER: jperchinske
P:\Transportation\WorkSets\117406_VAR-D09 Genl Eng Servs FY 23-24\404-Engineering_PIK-124-1500\Roadway\Sheets\119782_XS001.dgn



PLAN

WORK POINT	STATION	OFFSET
WP-1	35+44.80	43.0' RT
WP-2	35+44.80	0.0' ℄
WP-3	35+44.80	43.0' LT



PROFILE ALONG ℄ CULVERT

HYDRAULIC DATA

DRAINAGE AREA = 52.22 ACRES
Q (4%) = 121.0 CFS V (4%) = 14.26 FT/S HW (4%) = 576.02 FT
Q (1%) = 196.0 CFS V (1%) = 16.77 FT/S HW (1%) = 577.32 FT
ORDINARY HIGH WATER MARK: 573.50 FT
ABRASION LEVEL: 1 (NON-ABRASIVE)
EXISTING WATERWAY OPENING : 3.14 SQ. FT.
PROPOSED WATERWAY OPENING: 32 SQ. FT.
DESIGN SERVICE LIFE: 75 YEARS
PH : 7.6

EXISTING STRUCTURE

TYPE: CORRUGATED PLASTIC PIPE
SIZE: 24" DIA.
SKEW: 0°±
ALIGNMENT: TANGENT
DATE BUILT: UNKNOWN
CONDITION: POOR
CFN: 1856943

PROPOSED STRUCTURE

TYPE: 8' X 4' CONCRETE BOX CULVERT
SKEW: 0°
ALIGNMENT: TANGENT
ROADWAY WIDTH: 36'-0" SHOULDER/SHOULDER
DESIGN SERVICE LIFE: 75 YEARS
CFN : 1996165

ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FABRIC (2'-6" THICK)

PROPOSED FULL DEPTH PAVEMENT

HORIZONTAL SCALE IN FEET 0 5 10 20

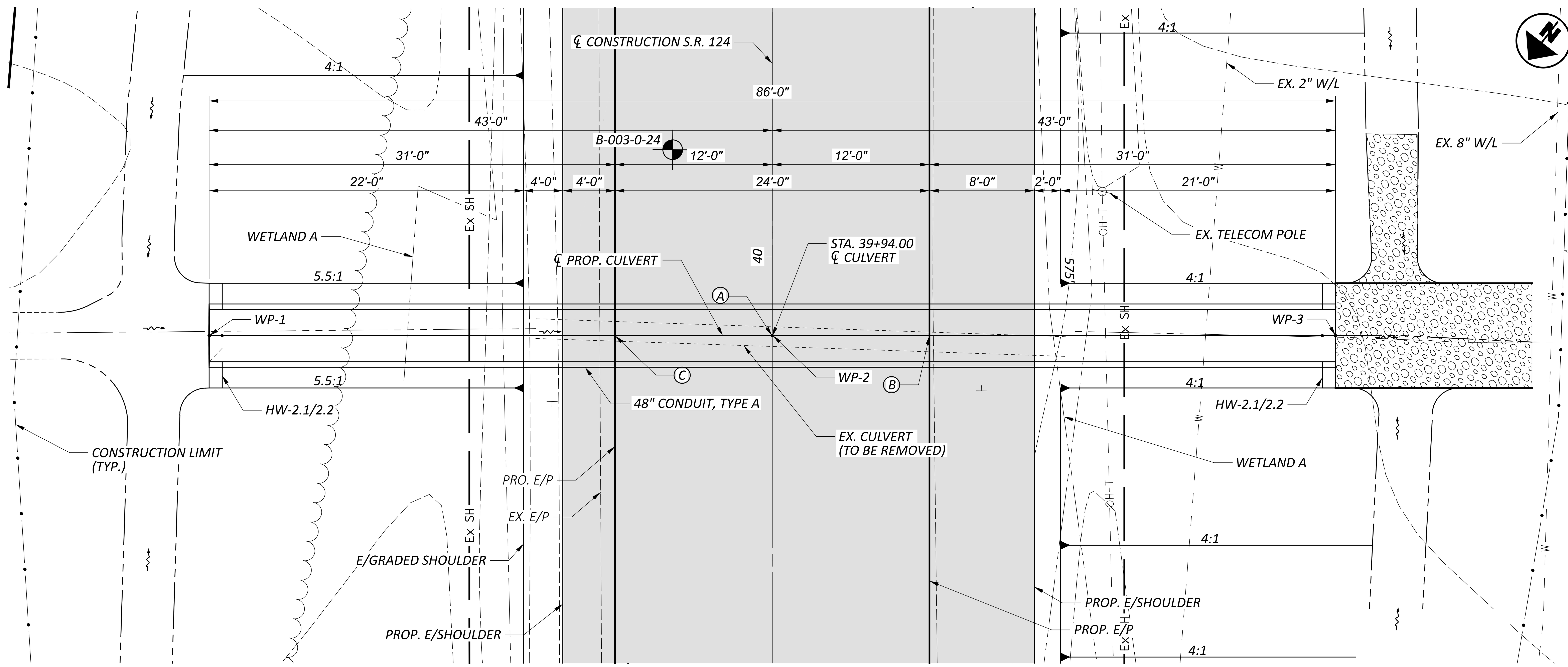
CULVERT PLAN AND PROFILE
CULVERT NO. 1996165
S.R.124 OVER TRIBUTARY OF SUNFISH CREEK

DESIGN AGENCY
BG www.bgengroup.com 5960 WILCOX PLACE, SUITE C DUBLIN, OHIO 43016

DESIGNER EAK
REVIEWER GTB 11/07/24
PROJECT ID 119782
SHEET P.44 TOTAL 53

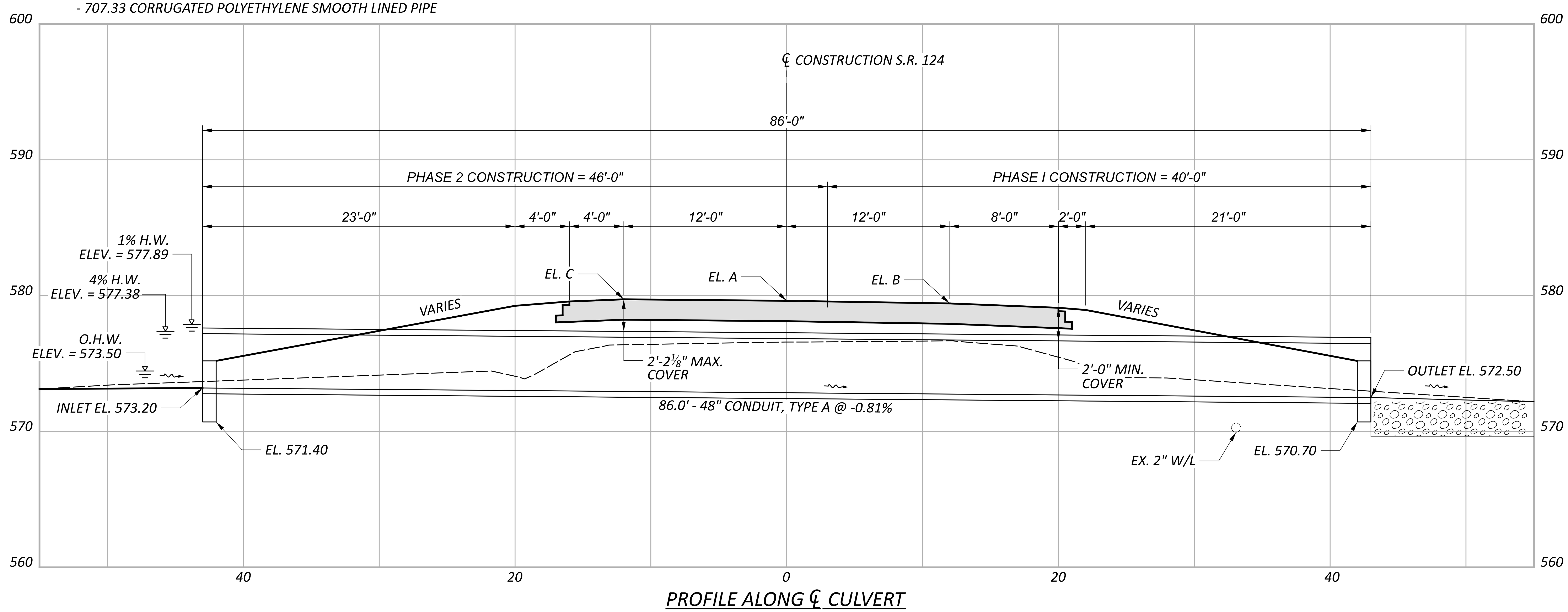
PIK-124-14.96

MODEL: DP001 PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 10:37:14 AM USER: jperchinske
P:\Transportation\WorkSets\117406_VAR-D09 Genl Eng Servs FY 23-24\404-Engineering_PIK-124-15000\Drainage\Sheets\119782_DP001.dgn



ALLOWABLE PIPE MATERIALS INCLUDE:
- 707.01 OR 707.02 METALLIC COATED (ALUMINIZED)
- 706.02 REINFORCED CONCRETE CIRCULAR PIPE
- 707.33 CORRUGATED POLYETHYLENE SMOOTH LINED PIPE

PLAN



PROFILE ALONG ℄ CULVERT

HYDRAULIC DATA

DRAINAGE AREA = 17.73 ACRES

Q (4%) = 71.0 CFS V (4%) = 8.41 FT/S HW (4%) = 577.38 FT

Q (1%) = 83.0 CFS V (1%) = 8.97 FT/S HW (1%) = 577.89 FT

ORDINARY HIGH WATER MARK: 576.47 FT

ABRASION LEVEL: 1 (NON-ABRASIVE)

EXISTING WATERWAY OPENING : 3.14 SQ. FT.

PROPOSED WATERWAY OPENING : 12.57 SQ. FT.

DESIGN SERVICE LIFE: 75 YEARS

PH : 7.6

EXISTING STRUCTURE

TYPE: CORRUGATED PLASTIC PIPE

SIZE: 24" DIA.

SKEW: 0°±

ALIGNMENT: TANGENT

DATE BUILT: 01/02/1961

CONDITION: POOR

CFN: 1856944

PROPOSED STRUCTURE

TYPE: 48" CONDUIT, TYPE A

SKEW: 0°

ALIGNMENT: TANGENT

ROADWAY WIDTH: 36'-0" SHOULDER/SHOULDER

DESIGN SERVICE LIFE: 75 YEARS

CFN: 1996166

POINT	STATION	OFFSET
WP-1	39+94.00	43.0' LT
WP-2	39+94.00	0.00'
WP-3	39+94.00	43.0' RT

ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FABRIC (2'-6" THICKNESS)

PROPOSED FULL DEPTH PAVEMENT

ELEVATION	
A	579.62
B	579.43
C	579.76

HORIZONTAL SCALE IN FEET 0 5 10 20

CULVERT PLAN AND PROFILE
CULVERT NO. 1996166
S.R.124 OVER WETLAND A

DESIGN AGENCY
BG www.bgenggroup.com 5960 WILCOX PLACE, SUITE C DUBLIN, OHIO 43016

DESIGNER	LA
REVIEWER	RG 11/07/24
PROJECT ID	119782
SHEET	P.52
TOTAL	53

PIK-124-14.96

MODEL: DP002 PAPERSIZE: 34x22 (in.) DATE: 11/7/2024 TIME: 10:37:49 AM USER: jperchinske
P:\Transportation\WorkSets\117406_VAR-D09 Genl Eng Servs FY 23-24\404-Engineering_PIK-124-1500\Drainage\Sheets\119782_DP002.dgn

Environmental Protection Agency

EPA.Ohio.gov

Mike DeWine, *Governor* Jim Tressel, *Lt. Governor* John Logue, *Director*

June 10, 2025

Allard Excavation LLC
Braden Martin
59 High Street
South Webster OH 45682

Re: Approval for Coverage Under Ohio EPA – Construction Site Stormwater General Permit – OHC000006

Dear Co-Permittee Applicant,

The Ohio Environmental Protection Agency has received your application for coverage under the above referenced general permit you submitted for:

Co-Permittee NOI submitted by:	Allard Excavation LLC
Facility Name:	PIK-124-14.96 PID 119782
Facility Location:	Just south of Idaho/772 , Ohio
City:	Latham
County:	Pike
Township:	Mifflin
Ohio EPA Facility Permit Number:	0GC04650*AG
Permit Effective Date:	June 10, 2025
Permit Expiration Date:	April 22, 2028

You are approved as a Co-Permittee for coverage under the above referenced Ohio EPA general permit. Please use the Ohio EPA facility permit number above in all future correspondence. You can terminate your Co-Permittee coverage but only the initial NOI applicant may terminate this Ohio EPA Facility Number.

Please familiarize yourself with your general permit. The permit contains requirements and prohibitions with which your must comply. Coverage remains in effect until you terminate your Co-Permittee coverage or the initial NOI applicant terminates this Ohio EPA Facility Permit Number. Co-Permittees are covered under this same facility permit number as the applicant that submitted the initial NOI.

To view your electronic submissions and permits please logon to the Ohio EPA's eBusiness Center at http://ebiz.epa.ohio.gov.

If you need assistance or have questions, please call (614) 644-2001 and ask for Construction Site Stormwater General Permit support or visit our website at epa.ohio.gov.

Sincerely,

John Logue
Director

State of Ohio
Department of Transportation
Contractor Signature Authorization

CONTID	PIK119782	County/Route/Section	PIK-124-14.96
ALTID	250282 Pike	Federal Project Number	E230(866)
CONTRACTOR	Allard Excavation LLC		

****

Progress Payments Authorization (previously CA-D-10A)

I, Greg Greenlee, Project Manager
(Print Name) (Print Title)
(Must be an Officer of the Prime Contractor's Company), do hereby authorize

Greg Greenlee, Project Manager
(Print Name) (Print Title)

Or Brandon Shamhart, Project manager
(Print Name) (Print Title)

with authority to sign his/her name to all ***Contractor Progress Payment Certification*** documents pertaining to this project.

This authorization shall remain in effect for the duration of this project, or until revoked.

****

Change Orders Authorization (previously CA-D-10B)

I, Greg Greenlee, Project Manager
(Print Name) (Print Title)
(Must be an Officer of the Prime Contractor's Company), do hereby authorize

Greg Greenlee, Project Manager
(Print Name) (Print Title)

Or Brandon Shamhart, Project Manager
(Print Name) (Print Title)

with authority to sign his/her name to ***all change order documents*** pertaining to this project.

This authorization shall remain in effect for the duration of this project, or until revoked.

State of Ohio
Department of Transportation
Contractor Signature Authorization

****

Certified Payrolls Authorization (previously CA-D-10C)

I, Greg Greenlee, Project Manager
(Print Name) (Print Title)
(Must be an Officer of the Prime Contractor's Company), do hereby authorize

Jenny Stiles, Payroll Manager
(Print Name) (Print Title)

Or

________________, ________________
(Print Name) (Print Title)

with authority to sign his/her name to all ***certified payroll documents*** pertaining to this project.

This authorization shall remain in effect for the duration of this project, or until revoked.

[signature]	Project Manager	12/10/25
Contractor signature (Officer)	Title	Date
[signature]	Project Manager	12/10/25
Contractor signature (Project Representative)	Title	Date

Bureau of Workers' Compensation

30 W. Spring St.
Columbus, OH 43215

Certificate of Ohio Workers' Compensation

This certifies that the employer listed below participates in the Ohio State Insurance Fund as required by law. Therefore, the employer is entitled to the rights and benefits of the fund for the period specified. This certificate is only valid if premiums and assessments, including installments, are paid by the applicable due date. To verify coverage, visit www.bwc.ohio.gov, or call 1-800-644-6292.

This certificate must be conspicuously posted.

Policy number and employer
01099681

ALLARD EXCAVATION LLC
ALLARD'S BULLDOZING
59 HIGH ST
SOUTH WEBSTER OH 45682-8009

Period Specified Below
07/01/2025 to 07/01/2026

www.bwc.ohio.gov
Issued by: BWC

Stephanie McCloud
Administrator/CEO

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Ohio Bureau of Workers' Compensation

Required Posting

Section 4123.54 of the Ohio Revised Code requires notice of rebuttable presumption. Rebuttable presumption means an employee may dispute or prove untrue the presumption (or belief) that alcohol, marihuana or a controlled substance not prescribed by the employee's physician is the proximate cause (main reason) of the work-related injury.

The burden of proof is on the employee to prove the presence of alcohol, marihuana or a controlled substance was not the proximate cause of the work-related injury. An employee who tests positive or refuses to submit to chemical testing may be disqualified for compensation and benefits under the Workers' Compensation Act.

Bureau of Workers' Compensation

You must post this language with the Certificate of Ohio Workers' Compensation.

From:	Greg Greenlee
To:	Barnett, Rosalie
Subject:	250282 Pike County 124
Date:	Tuesday, February 17, 2026 3:49:08 PM

Good afternoon, I would like to get a pre-job scheduled for the 250282 for the 2nd week of March.

Thank you,

Greg Greenlee
Allard Excavation LLC
740-645-7413

CAUTION: This is an external email and may not be safe. If the email looks suspicious, please do not click links or open attachments and forward the email to csc@ohio.gov or click the Phish Alert Button if available.

INFORMAL PARTNERING AGREEMENT

Project No.: PIK119782 OR 250282 PIK Route & Section: PIK-124-14.96

ODOT has made a commitment to embrace partnering to improve quality and reduce disputes. District 9 Construction recognizes the benefits of establishing an environment of mutual trust, open communication, cooperation, and teamwork that allows everyone to win by achieving mutually agreed upon goals and objectives. By outlining responsibilities, opening lines of communication and a commitment to the shared expectation of success by all, decisions can be made by individuals closest to the issue, for the benefit of the project.

This informal method of project cooperation and communication is meant to achieve effective and efficient contract performance and completion within budget, on schedule, and in accordance with the contract.

Agreements:

- Final - As - You - Go

Additional agreements discussed at the preconstruction conference:

-
-

The following Dispute Resolution and Claims Process must be followed and agreed too, in order to meet the project goals (see Dispute Resolution and Claim Proposal Note): For technical or administrative information necessary to do the work or clarification of the plan or specification requirements a Request for Information (RFI) letter must be given to the Area Engineer. The Status Report for Dispute Resolution must be completed within the time frames agreed to at the preconstruction conference. Individuals are not expected to make decisions they are uncomfortable with, but the dispute will escalate up to the next level in the Dispute Resolution Table shown below.

Project Level	**PE/PS** Kristen Haus	**Supt.** Greg Greenlee	Report Due **5** Days
Administrative Level	**DCE** Paul Maravy	**Mgr.** Michael Allard	Report Due **10** Days
Executive Level	**DDD** Michael L. Dombrowski	**Exec.** Michael Allard	Report Due **30** Days

PRELIMINARY CONSTRUCTION MEETING
TEAMS
3/18/2026

CONTRACT ID: PIK119782

PROJECT NUMBER: 250282 Pike

C-R-S: PIK-124-14.96

TYPE: Minor Reconstruction

DESCRIPTION: This proposed project will address flooding at S.R. 124 in Pike County. Improvements include the replacement of two roadway culverts, vertical profile revisions, and driveway reconstruction due to vertical profile revisions.

CONTRACTOR:

Allard Excavation LLC
59 High Street
South Webster, Ohio 45682

SUPERVISION:

ODOT Area Engineer:	Kristen Haus
ODOT Project Engineer:	Jeremy Grooms
ODOT Project Inspector(s):	Steven Wells
Designer of Record:	BG ENGINEERING GROUP, LLC
Design Project Manager:	Matt McClellan
Contractor's Project Manager:	Greg Greenlee
Contractor's Superintendent:	Josh Cauldwell
Work Zone Emergency Contact:	Josh Cauldwell
Asphalt Field Quality Control Supervisor:	Shelly Co

Local Agency:	N/A

TOTAL CONTRACT AMOUNT: $1,944,512.00

CONTRACT DATES:

Award Date:	5/30/2025
Contract Signed:	6/10/2025
Completion Date:	10/31/2025
Interim Completion Date:	
Worker's Compensation Expires*:	**7/1/2026**
Estimated Project Begin Date:	**3/30/2026**
Hours of Work:	M-R 7AM-5PM, Friday makeup
Progress Meetings:	TBD

*Worker's Compensation renewal certificates are to be sent to the District Construction Office, Attention: RoseAnne Barnett.

PREQUALIFICATION: Prime is not prequalified to perform 41 Raised Pavement Markers for a total of $3,800.00 or 0.20% of the work.

SUBCONTRACTORS:

AWP Report

OHIO DEPARTMENT OF TRANSPORTATION
OFFICE OF CONSTRUCTION ADMINISTRATION

List of Subs for Project 250282

Sub Nbr	Sub Name	Total Sub d	Parent Sub Nbr	Sub Appr	Work Start	Exec	Work Stop	Prog Type
00000001	Garcia Surveyors, Inc	$32,400.00		6/17/2025		6/10/2025		DBE-NG
00000002	Follow the River Designs, LLC	$73,170.75		6/25/2025		6/10/2025		DBE
00000003	Mid Atlantic Maintenance, Inc.	$34,699.25		6/25/2025		6/10/2025		DBE
00000004	NATIVE CONSTRUCTION LLC	$14,890.00		7/11/2025		6/10/2025		DBE
00000005	A & A SAFETY INC	$103,636.90		6/17/2025		6/10/2025		
00000006	BOCA CONSTRUCTION INC	$13,080.30		6/17/2025		6/10/2025		
00000007	J & L CONSTRUCTION SERVICES INC	$168,500.00		6/17/2025		6/10/2025		
00000008	SHELLY COMPANY	$435,500.00		6/17/2025		6/10/2025		
00000009	Beagle Hill Services LLC	$11,631.80		6/20/2025		6/10/2025		DBE
00000010	Spartan Construction Incorporated	$3,821.40		6/20/2025		6/10/2025		DBE

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CCO AND CERTIFIED PAYROLLS—6.5% SBE GOAL: Sabrina Condo, CCO Contract Compliance Officer

- ❖ Payrolls must be submitted no later than 3 weeks following work.
- ❖ Delinquent Payrolls
  - o The Department will withhold the dollar amount of the missing payrolls times 2 on the next estimate for the work performed by the contractor with the delinquent payroll.
- ❖ Bulletin board **must** be up on project by the first day of work.
- ❖ Reminder: C-92's and payrolls are required for both concrete pumping and crane companies.

REAL ESTATE: There are no restrictions relative to entry upon the subject project since all work will be performed within the newly acquired right of way. The property owner wanted to know who was chosen and would like to be contacted about providing a lay down area for the contractor. The property owner's name is Harry, and his direct number is 614-519-2405. The company is called Sophie X Holdings LLC. He owns the wood yard on SR-124.

UTILITES: Rodney Cockrell, Utilities Coordinator, will be attending this meeting.

ASSET MANAGEMENT: Michael Sherron.

ENVIRONMENTAL: Brandon Beck, Environmental Coordinator, will be attending this meeting.

PUBLIC RELATIONS: Mikaela Bruning, Public Information Officer (PIO)

- ❖ Contractor's Point of Contact for any claims that may arise during a project (damage to vehicles, property, etc.)

Name:	Margaret Allard
Phone Number:	740-778-2242
Email:	

MAINTENANCE OF TRAFFIC: All MOT Must Adhere to the OMUTCD and with the Plans.

- ❖ Temporary Signals Must Rest on Red
- ❖ Flagging Operations Require Cones Throughout Zone

SAFETY: Other than hard hats and safety vests, does the contractor require any additional safety apparel and personal protective equipment for this job? No

- ❖ **614.03.C. Conspicuity.** Equip all vehicles with photo strobe lights, LED warning lights, or rotating beacons…

- **OMUTCD 6D.03.04**
  All workers, including emergency responders, within the right-of-way who are exposed either to traffic (vehicles using the highway for purposes of travel) or to work vehicles and construction equipment within the TTC zone shall wear high-visibility safety apparel that meets the Performance Class 2 or 3 requirements of the ANSI/ISEA 107–2004 publication entitled “American National Standard for High-Visibility Safety Apparel and Headwear” (see Section 1A.11), or equivalent revisions, and labeled as meeting the ANSI 107-2004 standard performance for Class 2 or 3 risk exposure, except as provided in Paragraph 5. A person designated by the employer to be responsible for worker safety shall make the selection of the appropriate class of garment.

MATERIALS:

- Will you be utilizing HaulHub? No
- CML will need to be updated whenever a material changes or is added. Updated copies are to be placed on the SharePoint project site.
- Test Lab Letter Attached

PRECONSTRUCTION DOCUMENTS: The contractor has submitted the following for acceptance*:

☒ Progress Schedule
☒ Subcontractors
☐ Equipment Lists
☐ Material/Supplier Lists
☐ ~~Haul Roads~~
☐ Borrow/Waste Sites- The property owner wanted to know who was chosen and would like to be contacted about providing a lay down area for the contractor. The property owner’s name is Harry, and his direct number is 614-519-2405. The company is called Sophie X Holdings LLC. He owns the wood yard on SR-124.
☐ Beneficial Reuse Form
☒ Contractor’s Material Log (CML)
☐ MOT Device Manufacturer Certification Letters (NCHRP 350/MASH 3)
☒ CA-D-10

*If the above items have not been previously submitted, they must be submitted and accepted prior to the first day of work.

PAYMENT: Estimates will be generated every 15 days while work is active. The bid price for the contract bond will be released on the first estimate submitted for the project.

SUBMITTALS, TIME EXTENSION REQUESTS, WEATHER DAYS, AND REQUESTS FOR INFORMATION (RFI): Submit to PE/PS Jeremy Grooms and AE Kristen Haus.

CONTRACT DOCUMENTS (105.04):

[DigitalPaper XE® (state.oh.us)]

[Construction Administration | Ohio Department of Transportation]

ADDENDA: There is 1 addendum for this project.

SPECIFICATIONS: 2023 CM&S with SS 800 dated 1/17/2025

- **105.05 Cooperation by Contractor.** Provide the constant attention necessary to progress the Work according to the Contract Documents.
- **108.02.G: Dispute Resolution and Administrative Claims Process.**
- **109.05: Changes and Extra Work.**
  - Contract Limits**:** $97,225

PLANS/PROPOSAL NOTES:

- PN 133 – PRODUCTS PRODUCED IN THE UNITED STATES-[BABA]Proof of Domestic Origin. Furnish certification to the Engineer showing the domestic origin of all products covered by this section before they are incorporated into the Work. The Daily Source Report form itself is not acceptable certification of domestic origin. Non-domestic product(s) incorporated into the Work does not relieve the Contractor of any responsibility to correct the Work up to and including removal and replacement of the non-domestic product(s). Products without a traceable domestic origin will be treated as a nondomestic product.
- PN 034 – 07/19/2024 – Supplemental Specification 832 Compensation
- PN 520 – 07/15/2022 – Fuel Price Adjustment

GENERAL DISCUSSION:

- Allard to send estimate for adding 878 Inspection and Compaction Testing for ODOT's review.
- Contractor is going to use temporary paint instead of tape for work zone as long as it is inside the resurfacing limits.

INFORMAL PARTNERING: Prompt Payment & Finalize As You Go

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