UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

AEP OHIO POWER COMPANY
ATTN: CLARKE SAUNDERS
777 HOPEWELL DRIVE
HEATH, OHIO 43056
740-985-3054
CMSAUNDERS@AEP.COM

AT&T TRANSMISSION
ATTN: BILL TAGGART
8372 E BROAD ST
REYNOLDSBURG, OHIO 43068
614-868-2511
WT2462@ATT.COM

AT&T OHIO, INC.
ATTN: BARRETT J. TAMASOVICH
160 NORTH 6TH STREET
ZANESVILLE, OHIO 43701
740-454-3552
BT2178@ATT.COM

CITY OF MARTINS FERRY
WATER AND SEWER DEPARTMENT
ATTN: BILL SUTO
400 NORTH 1ST STREET
MARTINS FERRY, OHIO 43935
740-633-1330
BSUTO24@GMAIL.COM

TC ENERGY
ATTN: ANTHONY WINTERS
4115 CORK BOCKTOWN ROAD
CLINTON, PA 15026
724-223-3944
ANTHONY_WINTERS@TCENERGY.COM

MARKWEST LIBERTY MIDSTREAM, LLC.
ATTN: RYAN ALDERSON
4600 J. BARRY CT., SUITE 500
CANONSBURG, PA 15317
724-338-2723
RDALDERSON@MARATHONPETROLEUM.COM

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.

THE OHIO DEPARTMENT OF TRANSPORTATION HAS UTILITY FACILITIES (HIGHWAY LIGHTING AND/OR TRAFFIC SIGNALS) WITHIN THE LIMITS OF THIS PROJECT.

IN ADDITION TO THE INFORMATION OUTLINED IN THIS CONTRACT, THE CONTRACTOR SHALL TAKE THE FOLLOWING ACTION TO PROTECT ODOT'S FACILITIES DURING CONSTRUCTION:

HIGHWAY LIGHTING AND/OR TRAFFIC SIGNALS: EVEN THOUGH ODOT IS LISTED AS A MEMBER OF THE OHIO UTILITIES PROTECTION SERVICE (OUPS), THE CONTRACTOR IS REQUIRED TO CONTACT ODOT DIRECTLY SO THAT THE ODOT UTILITIES LOCATED WITHIN THIS PROJECT ARE MARKED. THE CONTRACTOR SHALL NOTIFY THE ODOT PROJECT ENGINEER/PROJECT SUPERVISOR, FOURTEEN (14) CALENDAR DAYS IN ADVANCE OF ANY WORK, FOR THE NEED TO MARK ODOT OWNED UTILITIES.

THE ABOVE REQUIREMENTS ARE IN ADDITION TO SECTION 105.07 & 107.16 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS. THE CONTRACTOR SHALL NOTIFY OTHER UTILITIES THROUGH OUPS OR DIRECTLY A MINIMUM OF FORTY-EIGHT HOURS IN ADVANCE OF ANY WORK.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE BELOW FOR PROJECT CONTROL TABLE.

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

PROJECT CONTROL

POSITIONING METHOD:	OHIO REAL TIME NETWORK (2011), STATIC GNSS AND DIFFERENTIAL LEVELING
MONUMENT TYPE:	TYPE B

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM:	NAVD 88
GEOID:	GEOID 18

HORIZONTAL POSITIONING

REFERENCE FRAME:	NAD 83 (2011 ADJ, 2010.0)
ELLIPSOID:	GRS 1980
MAP PROJECTION:	TRANSVERSE MERCATOR
COORDINATE SYSTEM:	OHIO COUNTY COORDINATE SYSTEM BELMONT LDP
PROJECTION SCALE FACTOR:	1.000041
ORIGIN LATIITUDE:	N 38°30' 00"
ORIGIN LONGTITUDE:	E 279°00' 00"
FALSE NORTHING (m):	0
FALSE EASTING (m):	50000

*THE LOW DISTORTION PROJECTION (LDP) IS A LOCAL COUNTY PROJECTION DEVELOPED BY ODOT. THE DISTORTION BETWEEN GROUND AND GRID IS SO MINIMAL THAT THERE IS NO NEED FOR A SCALE FACTOR TO ADJUST BETWEEN GRID AND GROUND COORDINATES. CONTACT THE DISTRICT SURVEY DEPARTMENT FOR FURTHER INFORMATION OR QUESTIONS.

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

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.

CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

ROUNDING

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

EXISTING PLANS

THE FOLLOWING EXISTING PLANS ARE AVAILABLE FOR REFERENCE AT THE DISTRICT 11 OFFICE OF THE OHIO DEPARTMENT OF TRANSPORTATION, 2201 REISER AVE. S.E., NEW PHILADELPHIA, OHIO, 44663:

BEL-7-23.74
PICOMA GOB RECLAMATION PROJECT BL-PS-24

IN ADDITION, THE EXISTING PLANS CAN BE FOUND ON THE DEPARTMENT'S WEBSITE AT THE FOLLOWING ADDRESS:
https://ftp.dot.state.oh.us/pub/Contracts/Attach

ITEM 503 - COFFERDAMS AND EXCAVATION BRACING

THIS ITEM IS FOR THE CONTRACTOR TO USE AS NEEDED. A LUMP SUM QUANTITY HAD BEEN CARRIED TO THE GENERAL SUMMARY.

AIRWAY/HIGHWAY CLEARANCE FOR AIRPORTS AND HELIPORTS

THIS PROJECT HAS BEEN IDENTIFIED AS BEING WITHIN THE INFLUENCE AREA OF A PUBLIC USE AIRPORT OR HELIPORT. NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT AT MAXIMUM OPERATING HEIGHT SHALL EXCEED AN ELEVATION OF 1392 FT. IF ANY TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT WILL EXCEED THIS HEIGHT, FURTHER COORDINATION WITH THE FEDERAL AVIATION ADMINISTRATION (FAA), AND ODOT OFFICE OF AVIATION, WILL BE NECESSARY PRIOR TO ERECTING SUCH TEMPORARY STRUCTURES OR OPERATING SUCH EQUIPMENT ON THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT FORM 7460-1 TO THE FAA. NOTIFY THE ODOT OFFICE OF AVIATION WHEN SUBMITTING FAA FORM 7460-1.

NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT SHALL EXCEED THE PERMISSIBLE HEIGHT, UNTIL A COPY OF THE FAA APPROVAL AND THE ODOT OFFICE OF AVIATION PERMIT HAS BEEN FURNISHED TO THE PROJECT ENGINEER.

FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGIONAL OFFICE
OBSTRUCTION EVALUATION GROUP
10101 HILLWOOD PARKWAY
FORT WORTH, TX 76177
FAX: (817) 222-5920
HTTP://CEAAA.FAA.GOV

OHIO DEPARTMENT OF TRANSPORTATION
OFFICE OF AVIATION
2829 WEST DUBLIN-GRANVILLE ROAD
COLUMBUS, OHIO 43235
OHIO.AIRPORT.PROTECTION@DOT.OHIO.GOV

BEL-7-25.25 PID 118611

POINT ID	NORTHING	EASTING	ELEVATION	CODE	DESCRIPTION	STATION	OFFSET	ALIGNMENT
CP01	597533.928	244013.279	693.09	CNPT	IRON PIN W/ ODOT CAP LEVELED	1351+37.36	128.34 LT	CLX_RW_S7
CP02	597943.024	244296.194	667.25	CNPT	IRON PIN W/ ODOT CAP LEVELED	1355+83.79	94.06 RT	CLX_RW_S7
CP03	597268.157	243963.692	686.86	CNPT	IRON PIN W/ ODOT CAP LEVELED	1348+65.42	126.41 LT	CLX_RW_S7
CL1	597441.328	244126.370	N/A	PC		1350+66.61	CL	CLX_RW_S7
CL2	598404.480	244231.313	N/A	PT		1360+36.62	CL	CLX_RW_S7
CL3	600638.792	244284.680	N/A	POT		1382+71.56	CL	CLX_RW_S7
CL4	596492.157	243888.217	N/A	POT		1340+89.33	CL	BLX_RAMPB
CL5	596689.335	243921.696	N/A	PC		1342+89.33	CL	BLX_RAMPB
CL6	597135.730	243944.437	N/A	PT		1347+37.33	CL	BLX_RAMPB
CL7	597285.778	243934.461	N/A	PC		1348+87.71	CL	BLX_RAMPB
CL8	597548.680	243953.440	N/A	POC		1351+52.14 BK / 1351+46.56 AH	CL	BLX_RAMPB
CL9	597714.493	244005.018	N/A	PT		1353+20.45	CL	BLX_RAMPB
CL10	597770.593	244028.250	N/A	PC		1353+81.17	CL	BLX_RAMPB
CL11	598173.912	244145.298	N/A	PCC		1358+01.98	CL	BLX_RAMPB
CL12	598737.530	244200.757	N/A	PT		1363+68.84	CL	BLX_RAMPB
CL13	597418.207	243704.893	N/A	POT		9+40.84	CL	CLP_Drive1
CL14	597518.178	243707.321	N/A	PC		10+40.84	CL	CLP_Drive1
CL15	597561.385	243715.537	N/A	PT		10+85.02	CL	CLP_Drive1
CL16	598406.117	244025.355	N/A	PC		19+84.77	CL	CLP_Drive1
CL17	598494.592	244155.377	N/A	PT		21+52.65	CL	CLP_Drive1
CL18	598492.709	244232.880	N/A	POT		22+30.18	CL	CLP_Drive1

GENERAL NOTES

DESIGN AGENCY

DESIGNER GBS
REVIEWER SAH 01/27/26
PROJECT ID 118611
SHEET P.03 TOTAL 44

BEL-7-25.27

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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.

FENCE LENGTHS

THE LENGTHS OF FENCE SHOWN IN THE PLANS ARE HORIZONTAL DIMENSIONS. MEASUREMENTS OF THE FINAL QUANTITIES WILL BE IN ACCORDANCE WITH ITEM 607.

ENDANGERED BAT HABITAT REMOVAL

THIS PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT, AND NORTHERN LONG-EARED BAT. NO TREES SHALL BE REMOVED UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT (ESA). FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS: A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK 3 INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

BENCHING OF FOUNDATION SLOPES

ALTHOUGH CROSS-SECTIONS INDICATE SPECIFIC DIMENSIONS FOR PROPOSED BENCHING OF THE EMBANKMENT FOUNDATIONS IN CERTAIN AREAS, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. BENCH ALL OTHER SLOPED EMBANKMENT AREAS AS SET FORTH IN SECTION 203.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS). NO ADDITIONAL PAYMENT WILL BE MADE FOR BENCHING REQUIRED UNDER THE PROVISIONS OF SECTION 203.05.

ITEM 203 - EXCAVATION, AS PER PLAN 'A'

THIS ITEM SHALL BE USED FOR EXCAVATION OF BEDROCK. IT IS ESTIMATED THAT 10% OF THE EXCAVATION FROM STA. 10+00 TO STA. 14+50 WILL BE BEDROCK EXCAVATION. THE DEPARTMENT DOES NOT ANTICIPATE THE NEED FOR THE USE OF CONTROLLED BLASTING TECHNIQUES DURING EXCAVATION. IF THE CONTRACTOR ENCOUNTERS BEDROCK THAT CANNOT BE REMOVED BY MECHANICAL METHODS, NOTIFY THE ENGINEER. THE CONTRACTOR IS ENCOURAGED TO REVIEW THE ORIGINAL PLANS FOR HISTORIC GEOTECHNICAL INFORMATION. ALL WORK SHOULD BE COMPLETED IN ACCORDANCE WITH CMS 203.

ITEM 203 - EXCAVATION, AS PER PLAN, 'B'

A PREVIOUS MINE RECLAMATION PROJECT KNOWN AS THE PICOMA GOB PROJECT IS WITHIN THE LIMITS OF THIS PROJECT.

ANY GOB OR COAL REFUSE THAT IS EXPOSED DURING EARTHWORK SHALL BE COVERED WITH A SIMILAR DEPTH OF SUITABLE SOIL TO MATCH CONDITIONS PRIOR TO EARTHWORK, AS DETERMINED BY THE ENGINEER. THE ORIGINAL RECLAMATION PROJECT REQUIRED 8" OF COVER. THIS REQUIREMENT SHOULD ALSO APPLY TO ANY CHANNEL(S) OR ROAD(S) THAT ARE CUT INTO THE PROJECT.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY TO COVER EXCAVATION AND REMOVAL OF GOB AND/OR COAL REFUSE, AND TO BACKFILL AND/OR COVER EXPOSED MATERIAL:

ITEM 203 - EXCAVATION, AS PER PLAN, 'B' **250 CU YD**
ITEM 203 - EMBANKMENT **250 CU YD**

SEEDING AND MULCHING

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

ITEM 659 - SOIL ANALYSIS TEST **2 EACH**
980 CY x 1 TEST/ 1000 CY = 0.098 EACH (MIN. OF 2)

ITEM 659 - TOPSOIL **980 CU. YD.**
8827 SY x 111 CY/ 1000 SY = 979.8 CY

ITEM 659 - REPAIR SEEDING AND MULCHING **441 SQ. YD.**
8827 SY x 0.05 = 441.35 SY

ITEM 659 - COMMERCIAL FERTILIZER **1.19 TON**
8827 SY x 9 x 30 LBS/ 1000 SF/ 2000 LB/ TON = 1.19 TON

ITEM 659, LIME **1.82 ACRES**
8827 SY x (9 SF/ SY)/ (43,560 SF/ ACRE) = 1.82 ACRES

ITEM 659, WATER **48 M. GAL.**
8827 SY x 9 x 300 GAL/ 1000 SF x 2 APP./ 1000 SF = 47.6 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.

EARTHWORK AND SEEDING TABLE

SHEET NO.	TOTAL CUT VOLUME	203			659
		EXCAVATION	EXCAVATION, AS PER PLAN, 'A'	EMBANKMENT	SEEDING AND MULCHING
	CU YD	CU YD	CU YD	CU YD	SQ YD
P.11	494	445	49	746	378
P.12	593	534	59	872	436
P.13	451	406	45	1167	475
P.14	426	383	43	1483	531
P.15	506	455	51	1369	536
P.16	838	754	84	1405	650
P.17	749	674	75	1306	606
P.18	476	428	48	988	486
P.19	418	376	42	794	536
P.20	184	166	18	634	419
P.21	36	36		472	278
P.22	43	43		423	289
P.23	58	58		378	269
P.24	71	71		259	250
P.25	42	42		287	228
P.26	49	49		231	203
P.27	85	85		83	189
P.28	86	86		39	183
P.29	69	69		60	192
P.30	28	28		43	100
P.31	0	0		41	54
P.32	0	0		93	106
P.33	0	0		301	228
P.34	17	17		70	62
P.35	21	21		0	34
P.36	151	151		5	153
P.37	146	146		7	112
P.38	198	198		38	202
P.39	102	102		23	108
P.40	216	216		56	251
P.41	196	196		112	283
P.42	0	0		0	0
TOTALS CARRIED TO GENERAL SUMMARY	**6235**	**514**	**13785**	**8827**	

GENERAL NOTES

DESIGN AGENCY

DESIGNER GBS
REVIEWER SAH 01/27/26
PROJECT ID 118611
SHEET P.04 TOTAL 44

BEL-7-25.27

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SHEET NUMBER													PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE
P.03	P.04	P.05		P.07	P.08	P.09	P.10		P.43	P.44			01/NHS		EXT	TOTAL			SHEET NO.
																		ROADWAY	
LS													LS	201	11000	LS		CLEARING AND GRUBBING	
										16			16	202	35100	16	FT	PIPE REMOVED, 24" DIAMETER AND UNDER	
					1,270								1,270	202	75000	1,270	FT	FENCE REMOVED	
	6,235												6,235	203	10000	6,235	CY	EXCAVATION	
	514												514	203	10001	514	CY	EXCAVATION, AS PER PLAN, 'A'	P.04
	250												250	203	10001	250	CY	EXCAVATION, AS PER PLAN, 'B'	P.04
	14,035												14,035	203	20000	14,035	CY	EMBANKMENT	
						1,369							1,369	204	10000	1,369	SY	SUBGRADE COMPACTION	
					1,386								1,386	607	15000	1,386	FT	FENCE, TYPE 47	
					20								20	607	23000	20	FT	FENCE, TYPE CLT	
					1								1	607	61200	1	EACH	GATE, TYPE CLT	
																		EROSION CONTROL	
						1,025							1,025	601	37501	1,025	FT	PAVED GUTTER, TYPE 1-2, AS PER PLAN (A)	P.43
							122						122	601	37501	122	FT	PAVED GUTTER, TYPE 1-2, AS PER PLAN (B)	P.10
	2												2	659	00100	2	EACH	SOIL ANALYSIS TEST	
	980			1,373									2,353	659	00300	2,353	CY	TOPSOIL	
	8,827												8,827	659	10000	8,827	SY	SEEDING AND MULCHING	
	441												441	659	14000	441	SY	REPAIR SEEDING AND MULCHING	
	1.19												1.19	659	20000	1.19	TON	COMMERCIAL FERTILIZER	
	1.82												1.82	659	31000	1.82	ACRE	LIME	
	48												48	659	35000	48	MGAL	WATER	
				4,117									4,117	670	00500	4,117	SY	SLOPE EROSION PROTECTION	
				LS									LS	832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
				LS									LS	832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	
				LS									LS	832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
													10,000	832	30000	10,000	EACH	EROSION CONTROL	
																		DRAINAGE	
LS													LS	503	11100	LS		COFFERDAMS AND EXCAVATION BRACING	
										16			16	611	04600	16	FT	12" CONDUIT, TYPE C	
										1			1	611	98300	1	EACH	CATCH BASIN, NO. 5	
									LS				LS	611	99920	LS		DRAINAGE STRUCTURE, MISC.: MINE DISCHARGE OUTLET	P.43
																		PAVEMENT	
						301							301	304	20000	301	CY	AGGREGATE BASE	
																		INCIDENTALS	
		LS											LS	614	11000	LS		MAINTAINING TRAFFIC	
													8	619	16010	8	MNTH	FIELD OFFICE, TYPE B	
													LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
													LS	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY

DESIGNER GBS

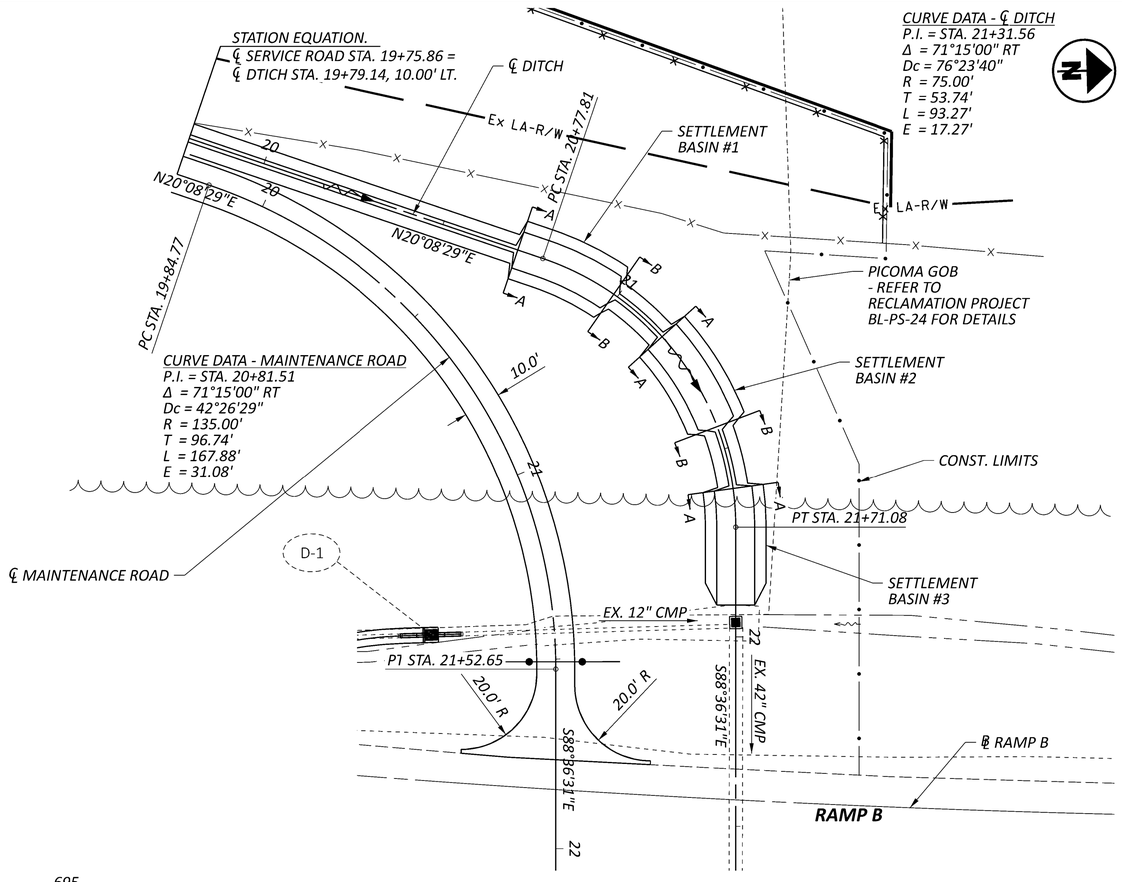
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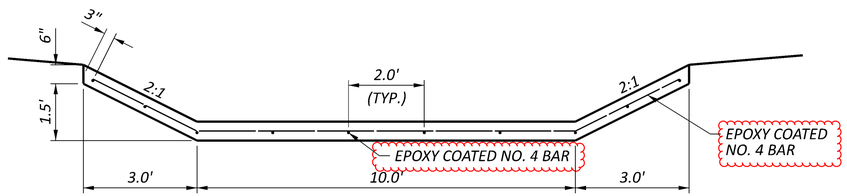
PROJECT ID 118611

SHEET P.06 TOTAL 44

BEL-7-25.27

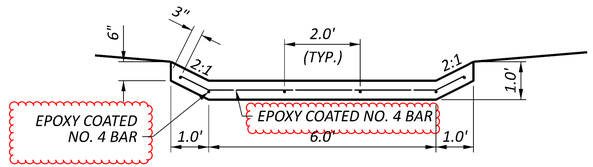
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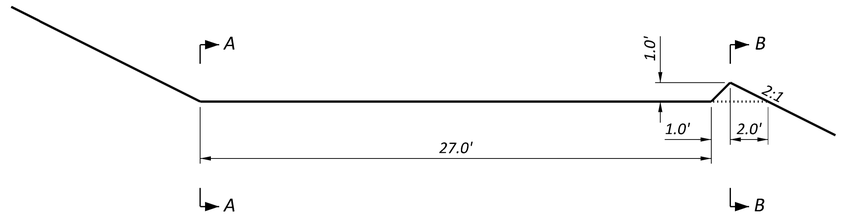
SECTION A - A

STA. 20+70.84
STA. 21+15.84
STA. 21+60.84



SECTION B - B

STA. 20+98.84
STA. 21+43.84



SETTLEMENT BASIN PROFILE VIEW

ITEM 601 - PAVED GUTTER, TYPE 1-2, AS PER PLAN (B)

INSTALL PER DM-2.1 & ITEM 601 - PAVED GUTTER , AS PER PLAN A ON SHEET P.42 AND DIMENSIONS PROVIDED IN SECTION A-A, B-B, AND SETTLEMENT BASIN PROFILE VIEW.

ESTIMATED QUANTITIES

ITEM 601 - PAVED GUTTER, TYPE 1-2, AS PER PLAN (B)	**122 FT**

TOTALS CARRIED TO GENERAL SUMMARY

NOTES

FOR STORM SEWER DETAILS, SEE SHEET P.44
FOR COORDINATION WITH S.R. 7 GEOMETRY SEE SHEET P.08

HORIZONTAL SCALE IN FEET
0 10 20 40

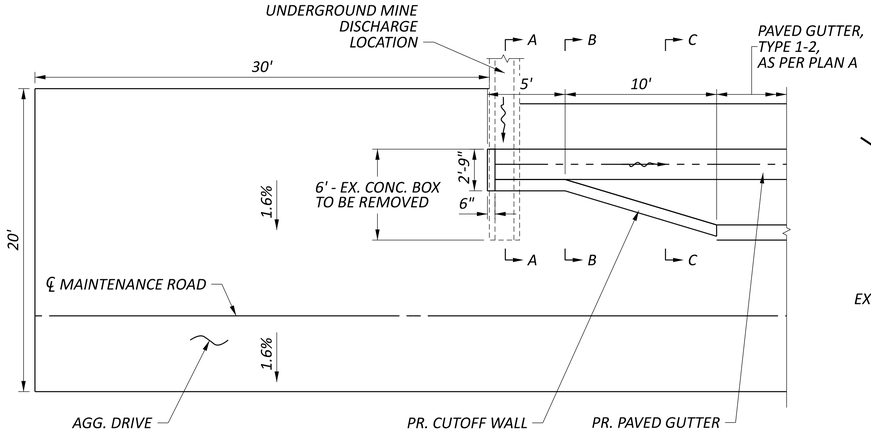
PLAN AND PROFILE - DITCH
STA. 19+76.16 TO STA. 22+79.16

DESIGN AGENCY

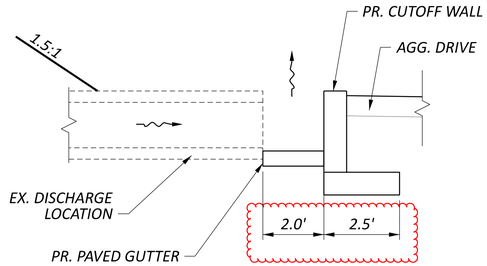
DESIGNER GBS
REVIEWER SAH 01/27/26
PROJECT ID 118611
SHEET P.10 TOTAL 44

BEL-7-25.27

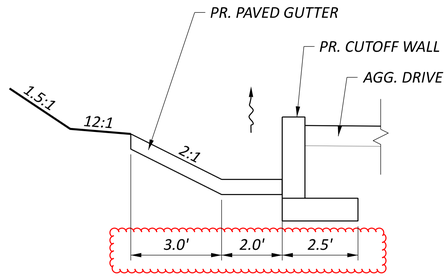
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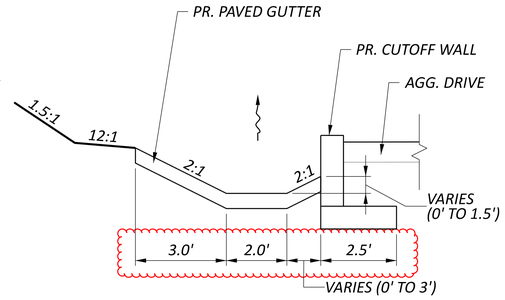
MINE OUTLET PLAN VIEW



SECTION A - A



SECTION B - B



SECTION C - C

ITEM 611 - DRAINAGE STRUCTURE, MISC.: MINE DISCHARGE OUTLET

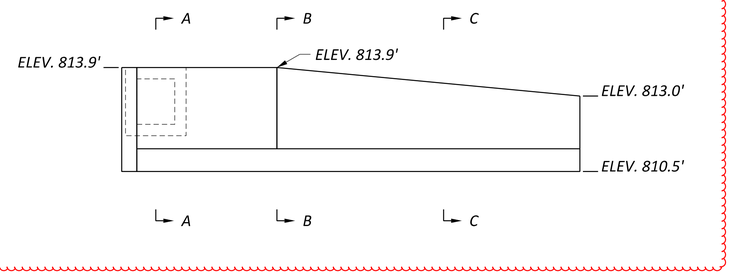
WORK FOR THIS ITEM SHALL INCLUDE THE FOLLOWING:

- *REMOVAL OF 6' OF EX. CONCRETE BOX OUTLET PER 202.04*
- *CUTTOFF WALL AND REINFORCING*
- *PAVED CONCRETE GUTTER BUILT PER DM-2.1 AND PAVED GUTTER, TYPE 1-2, AS PER PLAN A,*
- *EXCAVATION NECESSARY TO PLACE CUTTOFF WALL AND PAVED GUTTER.*

THE FOLLOWING QUANTITIES HAVE BEEN PROVIDED FOR INFORMATION ONLY:

PAVED GUTTER 15 FT
CUTOFF WALL 57 CY

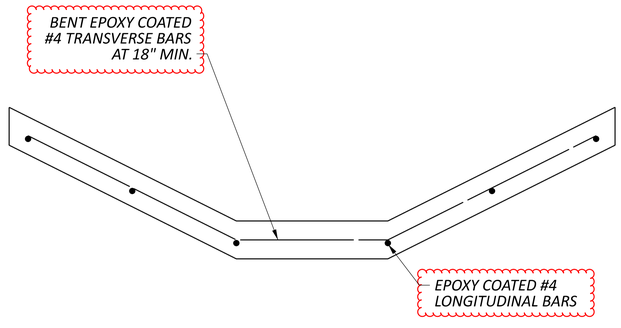
ALL LABOR EQUIPMENT, MATERIALS, AND INCIDENTALS NEEDED TO COMPLETE THE ABOVE DESCIRBED WORK SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 611 - DRAINAGE STRUCTURE, MISC.: MINE DISCHARGE OUTLET.



ELEVATION VIEW

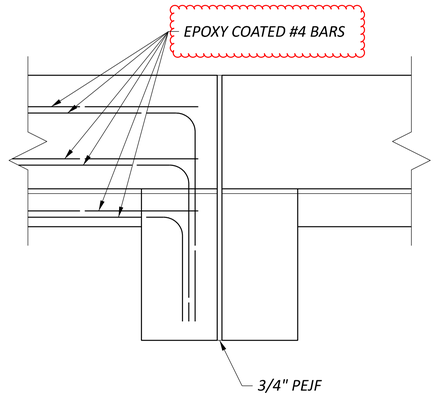
ITEM 601 - PAVED GUTTER, TYPE 1-2, AS PER PLAN (A)

ALL WORK SHALL BE PERFORMED PER CMS 601.11, STD DWG DM-2.1, AND THE GUTTER REINFORCING DETAIL.

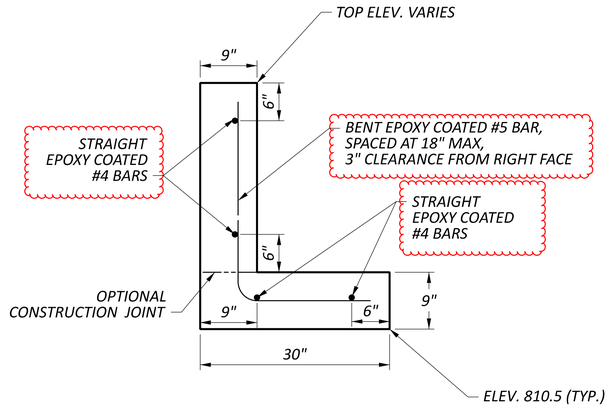


GUTTER REINFORCING DETAIL

INSTALL CONTRACTION JOINTS PER DM-2.1. EXPANSION JOINTS SHALL BE INSTALLED EVERY 117'. THIS LENGTH IS BASED ON INSTALLING 2 LENGTHS OF 60' EPOXY COATED #4 LONGITUDINAL BARS WITH A 30" LAP AND 3" OF COVER ON EACH END. THE EXPANSION JOINT WILL INCLUDE A CUTTOFF WALL (AS PER DM-2.1) ON EACH SIDE OF THE JOINT. THE CUTOFF WALL WILL HAVE 6 EPOXY COATED #4 BENT BARS AS SHOWN ABOVE. THE JOINT WILL HAVE A 3/4" GAP FILLED WITH PEJF.



EXPANSION JOINT DETAIL



CUTOFF WALL REINFORCING DETAIL

DRAINAGE DETAILS - MINE DISCHARGE OUTLET

DESIGN AGENCY

DESIGNER GBS

REVIEWER SAH 01/27/26

PROJECT ID 118611

SHEET P.43 TOTAL 44

BEL-7-25.27

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 10/23/2026 TIME: 12:14:06 PM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Scott.Horriberger@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 118611 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 11\Belmont\118611400-Engineering\Drainage\Sheets\118611_DM001.dgn