

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 THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

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.

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

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

CHARTER COMMUNICATIONS
 32 ENTERPRISE DRIVE
 CHILlicothe, OHIO 45601
 MR. AARON KEMPTON
 740-648-3091

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

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE CONTRACTOR SHALL 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.

SEEDING AND MULCHING

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

659, TOP SOIL FURNISHED AND PLACED 208 C.Y.
 659, COMMERCIAL FERTILIZER 0.25 TONS
 659, LIME 0.39 ACRES
 659, WATER 10 M. GAL.

APPLY SEEDING AND MULCHING 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 REMOVAL

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. DEMARCATÉ 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.

ITEM 202 - REMOVAL MISC.: TEMPORARY PAVEMENT

CMS 202 SHALL APPLY. THIS ITEM IS PROVIDED TO REMOVE THE TEMPORARY PAVEMENT INSTALLED BY THE COUNTY TO RE-OPEN THE ROADWAY TO TRAFFIC. THE PAVEMENT IS REINFORCED CONCRETE AND IS APPROXIMATELY 20' LONG BY 17' WIDE BY 2.5' DEEP. PAYMENT TO COMPLETE THE ABOVE WORK SHALL BE INCLUDED IN THE SQUARE YARD PRICE FOR ITEM 202 - REMOVAL MISC.: TEMPORARY PAVEMENT AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT, AND INCIDENTALS REQUIRED TO COMPLETE THE WORK.

ITEM 202, REMOVAL MISC.: TEMPORARY PAVEMENT 38 SY.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET 4 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: NAVD 88
 GEOID: 18

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD-83(2011)
 ELLIPSOID: GRS-80
 MAP PROJECTION: LAMBERT CONFORMAL CONIC
 COORDINATE SYSTEM: OHIO STATE PLANE SOUTH ZONE
 COMBINED SCALE FACTOR: 1.0000000000
 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.

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 B 50 FT.
 ITEM 611, 6" CONDUIT, TYPE E 50 FT.
 ITEM 611, 6" CONDUIT, TYPE F 50 FT.
 ITEM 601, ROCK CHANNEL PROTECTION TYPE C WITH FILTER 10 CY.

SPRING DRAINS

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR DRAINING ANY SPRINGS SHOWN IN THE PLAN OR ENCOUNTERED DURING CONSTRUCTION. THE FOLLOWING PIPE MATERIALS ARE PERMITTED: 707.33, 707.41, 707.42 or 707.45 PERFORATED PER 707.31.

CONSTRUCT SPRING DRAINS PER STANDARD CONSTRUCTION DRAWING DM-1.1 AND PAID FOR AT THE CONTRACT PRICE FOR:

ITEM 605, 6" UNCLASSIFIED PIPE UNDERDRAINS FOR SPRINGS 50 FT.
 ITEM 605, AGGREGATE DRAINS FOR SPRINGS 50 FT.
 ITEM 611, PRECAST REINFORCED CONCRETE OUTLET 3 EACH

SHEET NUM.										PART.			ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
3	5	8	20	22						01/STR/04			EXT	TOTAL				
										LS			201	11000	LS		CLEARING AND GRUBBING	
				2						2			202	20010	2	EACH	HEADWALL REMOVED	
		147								147			202	23000	147	SY	PAVEMENT REMOVED	
				70						70			202	35200	70	FT	PIPE REMOVED, OVER 24"	
		308								308			202	38000	308	FT	GUARDRAIL REMOVED	
38										38			202	98300	38	SY	REMOVAL MISC. TEMPORARY PAVEMENT	3
			158							158			203	10000	158	CY	EXCAVATION	
			273							273			203	20000	273	CY	EMBANKMENT	
		165								165			204	10000	165	SY	SUBGRADE COMPACTION	
		1								1			204	45000	1	HOUR	PROOF ROLLING	
		537.5								537.5			606	15100	537.5	FT	GUARDRAIL, TYPE MGS WITH LONG POSTS	
		2								2			606	26150	2	EACH	ANCHOR ASSEMBLY, MGS TYPE E, MASH 2016	
		2								2			606	26550	2	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
208										208			653	10000	208	CY	TOPSOIL FURNISHED AND PLACED	
																	EROSION CONTROL	
				13						13			601	11000	13	SY	RIPRAP, TYPE D	
10										10			601	32200	10	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	
				54						54			601	34401	54	CY	ROCK CHANNEL PROTECTION, WITH GROUT, AS PER PLAN, TYPE C	22
		1,872								1,872			659	00510	1,872	SY	SEEDING AND MULCHING, CLASS 2	
0.25										0.25			659	20000	0.25	TON	COMMERCIAL FERTILIZER	
0.39										0.39			659	31000	0.39	ACRE	LIME	
10	7									17			659	35000	17	MGAL	WATER	
		147								147			670	00720	147	SY	DITCH EROSION PROTECTION MAT, TYPE B	
28,439										28,439			832	30000	28,439	EACH	EROSION CONTROL	
		46								46			836	10000	46	SY	SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1	
																	DRAINAGE	
50										50			605	13402	50	FT	6" UNCLASSIFIED PIPE UNDERDRAINS FOR SPRINGS	
50										50			605	32200	50	FT	AGGREGATE DRAINS FOR SPRINGS	
50										50			611	00900	50	FT	6" CONDUIT, TYPE B	
50										50			611	01400	50	FT	6" CONDUIT, TYPE E	
										50			611	01500	50	FT	6" CONDUIT, TYPE F	
				65						65			611	94701	65	FT	6' X 4' CONDUIT, TYPE A, 706.05, AS PER PLAN	22
3										3			611	99710	3	EACH	PRECAST REINFORCED CONCRETE OUTLET	
																	PAVEMENT	
		48								48			252	01500	48	FT	FULL DEPTH PAVEMENT SAWING	
		26								26			301	56000	26	CY	ASPHALT CONCRETE BASE, PG64-22, (449)(6")	
		96								96			304	20000	96	CY	AGGREGATE BASE	
		22								22			407	10000	22	GAL	TACK COAT	
		13								13			441	70000	13	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22(3")	
																	TRAFFIC CONTROL	
		10								10			626	00110	10	EACH	BARRIER REFLECTOR, TYPE 2, BIDIRECTIONAL	
		0.02								0.02			642	00104	0.02	MILE	EDGE LINE, 6", TYPE 1	
		0.01								0.01			642	00300	0.01	MILE	CENTER LINE, TYPE 1	
																	STRUCTURE 20 FOOT SPAN AND UNDER (PIK-CR57-00.62)	
				LS						LS			503	11100	LS		COFFERDAMS AND EXCAVATION BRACING	
				95						95			503	21100	95	CY	UNCLASSIFIED EXCAVATION	
				13						13			503	31100	13	CY	ROCK EXCAVATION	
				2,724						2,724			509	10000	2,724	LB	EPOXY COATED STEEL REINFORCEMENT	
				8						8			511	46010	8	CY	CLASS QC1 CONCRETE, RETAINING/WINGWALL NOT INCLUDING FOOTING	
				21						21			511	46510	21	CY	CLASS QC1 CONCRETE, FOOTING	
				1						1			511	46610	1	CY	CLASS QC1 CONCRETE, HEADWALL	
				38						38			512	10100	38	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
				145						145			512	33000	145	SY	TYPE 2 WATERPROOFING	
				26						26			516	13600	26	SF	1" PREFORMED EXPANSION JOINT FILLER	
				7						7			518	21200	7	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	
																	MAINTENANCE OF TRAFFIC	
	LS									LS			614	12420	LS		DETOUR SIGNING	
																	INCIDENTALS	
										LS			614	11000	LS		MAINTAINING TRAFFIC	
										2			619	16000	2	MNTH	FIELD OFFICE, TYPE A	
										LS			623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
										LS			624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY
2LMN
 DESIGNER
 FTA
 REVIEWER
 LAW 10/05/23
 PROJECT ID
 118834
 SHEET TOTAL
 P.7 33