

UTILITIES

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

ELECTRIC
AMERICAN ELECTRIC POWER (AEP)
3755 LONG ROAD WOOSTER, OH 44691
PH: (330) 202-3079
CONTACT: ROLAND SHANK

SANITARY SEWER
WAYNE COUNTY ENVIRONMENTAL SERVICES
428 WEST LIBERTY STREET
WOOSTER, OH 44691
PH: (330) 263-5035
CONTACT: STEVE WOLFE

GAS
DOMINION EAST OHIO
320 SPRINGDALE DRIVE, SUITE 320
AKRON, OH 44333
PH: (330) 664-2642
CONTACT: RYAN BOND

TELEPHONE/CABLE
LUMEN
2025 AKRON RD
WOOSTER, OH 44691
PH: (330) 262-1128
CONTACT: JEFF SCHOONOVER

MASSILLON CABLE TELEVISION (MCTV)
444 WEST MILLTOWN ROAD
WOOSTER, OH 44691
PH: (330)465-1569
CONTACT: JEREMY LEHMAN, PLANT SUPERVISOR / ENGINEER

ARMSTRONG UTILITIES
1141 LAFAYETTE RD
MEDINA, OH 44256
PH: (330) 802-5991
CONTACT: MARK LOYER

EVERSTREAM
1228 EUCLID AVENUE, SUITE 250
CLEVELAND, OH 44115
PH: (216) 581-7972
CONTACT: JIM BYRNE

STORM SEWER
WAYNE COUNTY SOIL & WATER CONSERVATION DISTRICT
428 WEST LIBERTY STREET
WOOSTER, OH 44691
PH: (330) 262-2836
CONTACT: ROB KASTNER

WAYNE COUNTY ENVIRONMENTAL SERVICES
428 WEST LIBERTY STREET
WOOSTER, OH 44691
PH: (330) 464-6757
CONTACT: STEVE WOLFE

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.

ITEM 204 - PROOF ROLLING

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING. SEE PLAN SHEET NO. 6 FOR ADDITIONAL INFORMATION.

ITEM 204 - PROOF ROLLING 2 HOUR.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET 2 OF THE PLANS 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: 12A

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83 (2011)
ELLIPSOID: GRS-80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLANE NORTH ZONE
COMBINED SCALE FACTOR: 0.999904609
ORIGIN OF COORDINATE SYSTEM: 0,0,0

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 SUPPLEMENTAL SPECIFICATION 623.

UNITS ARE IN U.S. SURVEY FEET. USE THE FOLLOWING CONVERSION FACTOR: 1 METER = 3.280833333 U.S. SURVEY FEET.

ROUNDING

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

EXISTING PLANS

EXISTING PLANS ENTITLED WAY-30-17.03 (1950) AND SPEEDWAY ROADWAY IMPROVEMENT PLANS (2020) MAY BE INSPECTED IN THE ODOT DISTRICT 3 OFFICE IN ASHLAND, OHIO.

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.

ROUTINE MAINTENANCE

BETWEEN THE TIME THAT BIDS ARE TAKEN AND THE START OF CONSTRUCTION, THE MAINTAINING AGENCY MAY ENTER UPON THE PROJECT AND PERFORM ROUTINE MAINTENANCE SUCH AS CRACK SEALING, PATCHING, AND BERM AND SHOULDER REPAIR. THE EFFECTS, IF ANY, OF THE PERFORMANCE OF ROUTINE MAINTENANCE SHALL BE CONSIDERED INHERENT IN WORK OF THE CHARACTER PROVIDED FOR IN THE PLAN AND THE RESULTING CONDITIONS SHALL NOT BE CONSIDERED DIFFERING MATERIALLY FROM THOSE EXISTING AT THE TIME BIDS WERE TAKEN.

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.

PART-WIDTH CONSTRUCTION

BECAUSE OF THE NECESSITY TO BUILD THIS PROJECT UNDER TRAFFIC AND TO CONSTRUCT THE FULL PAVEMENT WIDTH IN STAGES, EXERCISE CARE TO PREVENT THE CONSTRUCTION OF A BUTT JOINT IN THE BASE COURSES. LAP LONGITUDINAL JOINTS AS SHOWN ON STANDARD CONSTRUCTION DRAWING BP-3.1.

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

ITEM 611- RESIDENTIAL AND COMMERCIAL DRAINAGE CONNECTIONS

EXISTING ROOF DRAINS, FOOTER DRAINS, OR YARD DRAINS, DISTURBED BY THE WORK SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS BY CONNECTING CONDUIT THROUGH THE CURB OR INTO A DRAINAGE STRUCTURE. THE LOCATION, TYPE, SIZE AND GRADE OF THE NEW CONDUIT REQUIRED TO REPLACE OR EXTEND THE EXISTING DRAIN WILL BE DETERMINED BY THE ENGINEER.

THE FOLLOWING CONDUIT TYPES MAY BE USED: 707.33, 707.41 NON-PERFORATED, 707.42, 707.43, 707.45, 707.46, 707.47, 707.51, 707.52 SDR35.

PAYMENT FOR ALL LABOR AND MATERIALS WILL BE PERFORMED BY CHANGE ORDER

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE STATE, REPRESENTATIVES OF THE STATE AND THE CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCE SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE STATE.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE STATE.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTORS OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

EXISTING SUBSURFACE DRAINAGE

PROVIDE UNOBSTRUCTED OUTLETS FOR ALL EXISTING UNDERDRAINS OR AGGREGATE DRAINS ENCOUNTERED DURING CONSTRUCTION.

PROVIDE AN OUTLET PER STANDARD CONSTRUCTION DRAWING DM-1.1 FOR ALL UNDERDRAINS THAT OUTLET TO A SLOPE.



UNDERDRAINS THAT CAN BE CONNECTED TO THE NEW OR EXISTING UNDERDRAINS AT THE END OF THE PROJECT LIMITS AS WELL AS ALL NECESSARY BENDS OR BRANCHES REQUIRED FOR CONNECTION ARE INCLUDED IN THE BASIS OF PAYMENT FOR UNCLASSIFIED PIPE UNDERDRAINS.

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

- 601, TIED CONCRETE BLOCK MAT, TYPE 1 5.4 SQ. YD.
- 605, AGGREGATE DRAINS 30 FT.
- 611 4" CONDUIT, TYPE F 30 FT.
- 611, PRECAST REINFORCED CONCRETE OUTLET 3 EACH
- 605 4" UNCLASSIFIED PIPE UNDERDRAINS 50 FT.



SHEET NUM.											PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
5	6	10	28	29	43	45	46	57	65	CALCS	01/SAF/PAV								
ROADWAY																			
LS											LS		201	11000	2,000		CLEARING AND GRUBBING		
					20					647	667		202	23000	667	SY	PAVEMENT REMOVED		
			1,173								1,173		203	10000	1,173	CY	EXCAVATION		
			132								132		203	20000	132	CY	EMBANKMENT		
					42					2,025	2,067		204	10000	2,067	SY	SUBGRADE COMPACTION		
										1,350	1,350		204	13000	1,350	CY	EXCAVATION OF SUBGRADE		
										1,350	1,350		204	30010	1,350	CY	GRANULAR MATERIAL, TYPE B		
2											2		204	45000	2	HOUR	PROOF ROLLING		
										2,025	2,025		204	50000	2,025	SY	GEOTEXTILE FABRIC		
										2,025	2,025		204	51000	2,025	SY	GEOGRID		
									2		2		623	40520	2	EACH	RIGHT-OF-WAY MONUMENT		
EROSION CONTROL																			
5.4			5.4								10.8		601	21050	10.8	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT		
		3									3		616	10000	3	MGAL	WATER		
	2										2		659	00100	2	EACH	SOIL ANALYSIS TEST		
	118										118		659	00300	118	CY	TOPSOIL		
			1,111								1,111		659	10000	1,111	SY	SEEDING AND MULCHING		
											80		659	14000	80	SY	REPAIR SEEDING AND MULCHING		
											80		659	15000	80	SY	INTER-SEEDING		
											0.22		659	20000	0.22	TON	COMMERCIAL FERTILIZER		
											0.33		659	31000	0.33	ACRE	LIME		
											9		659	35000	9	MGAL	WATER		
					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		
					25,000						25,000		832	30000	25,000	EACH	EROSION CONTROL		
DRAINAGE																			
50			337								387		605	05200	387	FT	4" UNCLASSIFIED PIPE UNDERDRAINS		
			778								778		605	06000	778	FT	4" BASE PIPE UNDERDRAINS		
30											30		605	31100	30	FT	AGGREGATE DRAINS		
30											30		611	00406	30	FT	4" CONDUIT, TYPE F		
			60								60		611	00410	60	FT	4" CONDUIT, TYPE F FOR UNDERDRAIN OUTLET		
3			3								6		611	99710	6	EACH	PRECAST REINFORCED CONCRETE OUTLET		
PAVEMENT																			
					23						409	432	254	01000	432	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 3.5"		
											433	433	301	46000	433	CY	ASPHALT CONCRETE BASE, PG64-22		
					9						709	718	304	20000	718	CY	AGGREGATE BASE		
					2						2	2	407	10000	2	GAL	TACK COAT		
											468	468	407	20000	468	GAL	NON-TRACKING TACK COAT		
											103	103	408	10000	103	GAL	PRIME COAT		
					3						3	3	441	50000	3	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE A (448), PG64-22		
											175	175	442	20000	175	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448) (PG76-22M)		
											234	234	442	20200	234	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (448) (PG76-22M)		
							124				124	124	618	40100	124	FT	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)		

DESIGN AGENCY

 CLIENT

 DESIGNER
 ANM
 REVIEWER
 SJS 10/09/20
 PROJECT ID
 110876
 SHEET TOTAL
 P.25 65