

UTILITIES

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

ELECTRIC:

DAYTON POWER & LIGHT
1900 DRYDEN ROAD
DAYTON, OHIO 45439
BILL WARD
(937) 554-9063
william.ward@aes.com

TELECOM:

FRONTIER COMMUNICATIONS
241 S. NELSON AVENUE
WILMINGTON, OHIO 45177
DAVE LONGWORTH
(937) 382-2222
david.m.longworth@ftr.com

TELECOM:

MCI WORLD COM
120 RAVINE STREET
AKRON, OHIO 44303
ALLAN GUEST
(330) 253-8267
allan.guest@verizon.com

GAS:

VECTREN
1335 E. DAYTON YELLOW
SPRINGS RD
FAIRBORN, OHIO 45324
MARK RECTOR
937-440-1825
mrector@vectren.com

TELECOM:

CHARTER COMMUNICATIONS
10920 KENWOOD ROAD
CINCINNATI, OHIO 45242
JOSEPH ANGEL
(513) 233-5705
joseph.angel@charter.com

FIBER:

CROWN CASTLE FIBER
470 SCHROCK RD. SUITE B
COLUMBUS, OHIO 43229
JON TARNOWSKI
(585) 445-5813
jon.tarnowski@crowncastle.com

KENT RIEGER

(513) 386-5499
(513) 233-5678 (CELL)
kent.rieger@charter.com

SANITARY AND CITY

STORMWATER:
WILMINGTON WASTEWATER
DEPARTMENT
475 S. NELSON AVE
WILMINGTON, OHIO 45177
ERIC GREEN
(937) 382-2413
egreen@wilmingtonps.org

WATER:

WILMINGTON PUBLIC SERVICES
69 N. SOUTH STREET
WILMINGTON, OHIO 45177
CHRIS REILEY
(937) 302-6300
creiley@ci.wilmington.oh.us

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET 4 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: VARIES

VERTICAL POSITIONING ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: GEOID 12A (CONUS)

HORIZONTAL POSITIONING REFERENCE FRAME: NAD83 (2011) / OHIO SOUTH (3402)

ELLIPSOID: GRS80
MAP PROJECTION: LAMBERT CONFORMAL CONIC TWO PARALLEL

COORDINATE SYSTEM: US STATE PLANE 1983 (2011), OHIO SOUTH ZONE (3402)

COMBINED SCALE FACTOR: 0.99989365
ORIGIN OF COORDINATE SYSTEM: 0,0

SURVEYING PARAMETERS

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.

CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 10:00 PM AND 7:00 AM. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

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.

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 A HEIGHT OF 50 FT. IF ANY TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT WILL EXCEED THIS HEIGHT, COORDINATION WITH THE FEDERAL AVIATION ADMINISTRATION (FAA), AND THE 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.

THE 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
614-387-2346

THIS PROJECT HAS BEEN IDENTIFIED AS BEING WITHIN THE INFLUENCE AREA OF A PRIVATE-USE AIRPORT OR HELIPORT. NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT AT MAXIMUM OPERATING HEIGHT SHALL EXCEED A HEIGHT OF 50 FT. IF ANY TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT WILL EXCEED THIS HEIGHT, COORDINATION WITH THE AIRPORT OWNER AND THE ODOT OFFICE OF AVIATION WILL BE NECESSARY PRIOR TO ERECTING SUCH TEMPORARY STRUCTURES OR OPERATING SUCH EQUIPMENT ON THE PROJECT. FOR PRIVATE-USE AIRPORTS OR HELIPORTS, COORDINATE WITH THE AIRPORT OWNER AND THE ODOT OFFICE OF AVIATION. NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT SHALL EXCEED THE PERMISSIBLE HEIGHT, UNTIL COORDINATION IS MET AND DOCUMENTATION HAS BEEN FURNISHED TO THE PROJECT ENGINEER. IF COORDINATION IS NOT OBTAINED, THEN THE PROJECT ENGINEER WILL HAVE THE AUTHORITY TO PROVIDE RESTRICTIONS AS REQUIRED.

CIRCLE O AIRPORT
MARION & RENDELL OGLESBEE
3818 ST. ROUTE 73 W.
WILMINGTON OHIO 45177
937-944-0141

SEEDING AND MULCHING

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

659, SEEDING AND MULCHING 10 SQ. YD.
659, REPAIR SEEDING AND MULCHING 5 SQ. YD.
659, INTER-SEEDING 5 SQ. YD.

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.

DRAINAGE STRUCTURE FIELD VERIFICATION

EXISTING DEPTHS AND PIPE INVERTS OF STORM SEWER STRUCTURES TO BE REPLACED SHALL BE FIELD MEASURED BY THE CONTRACTOR.

REMOVAL OF PAVEMENT MARKINGS

CMS 641.03 IS MODIFIED TO REQUIRE WRITTEN APPROVAL FROM THE ENGINEER FOR METHODS AND EQUIPMENT USED FOR MARKING REMOVAL.

CMS 641.10 REFERS TO THE REQUIREMENTS OF 614.11.G.1.A WHICH IS MODIFIED TO UTILIZE ONLY SAND, SHOT OR WATER BLASTING. GRINDING IS NOT PERMITTED.

REMOVE CONFLICTING MARKINGS BETWEEN STATION 155+25 AND STATION 167+81. REMOVE CROSSWALKS AND ARROWS AND WORD "ONLY" ON SIDE STREETS AS SHOWN ON THE PLANS.

ALL COSTS INCURRED SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 644 REMOVAL OF PAVEMENT MARKING. REMOVAL OF PAVEMENT MARKINGS WILL BE MEASURED USING THE SAME METHOD OF MEASUREMENT AS COMPLETED MARKINGS IN THE UNITS DESIGNATED

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

ITEM 644 - CENTERLINE, LANE LINES 0.21 MI
ITEM 644 - WORDS, ARROWS 37 EA
ITEM 644 - CROSSWALKS, CHANNELIZING LINES, STOP LINES, TRANSVERSE LINES 3223 FT

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.

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:

605, 6" UNCLASSIFIED PIPE UNDERDRAINS 50 FT.
611, 6" CONDUIT, TYPE F 50 FT.

PAVEMENT RESTORATION FOR PIPE INSTALLATIONS AND REMOVALS

THE FOLLOWING QUANTITY HAS BEEN PROVIDED FOR PAVEMENT RESTORATION FOLLOWING INSTALLATION AND/OR REMOVAL OF PIPES.

ITEM 202 - PAVEMENT REMOVED 18 SQ. YDS.
ITEM 301 - ASPHALT CONCRETE BASE, PG64-22 4 CU. YDS.

THE ABOVE QUANTITY IS BASED ON A 301 THICKNESS OF 8 INCHES AND A PAVEMENT RESTORATION WIDTH THAT INCLUDES THE TRENCH WIDTH PLUS TWO FEET ON EACH SIDE OF THE TRENCH.

PROVIDE ANY MATERIALS USED OUTSIDE THE LIMITS STATED ABOVE AT NO ADDITIONAL COST.

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GENERAL NOTES

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SHEET NUM.												PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
3	15	16	17	18	35	36	01/SAF/	EXT	TOTAL									
																	TRAFFIC CONTROL	
				226	28		254	630	03100	254	FT	GROUND MOUNTED SUPPORT, NO. 3 POST						
						4	4	630	75001	4	EACH	SIGN ATTACHMENT ASSEMBLY, AS PER PLAN	31					
						7	24	630	79101	31	EACH	SIGN HANGER ASSEMBLY, MAST ARM, AS PER PLAN	31					
						14	3	630	79500	17	EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED						
				69	179		286	630	80100	534	SF	SIGN, FLAT SHEET						
							210	630	80225	210	SF	SIGN, OVERHEAD EXTRUSHEET, AS PER PLAN	31					
						7	7	630	84900	7	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL						
						1	1	630	85100	1	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION						
						8	8	630	86002	8	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL						
						2	2	630	87500	2	EACH	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL						
						1	1	630	87520	2	EACH	REMOVAL OF POLE MOUNTED SIGN AND REERECTION						
						2	2	630	97700	2	EACH	SIGNING, MISC.: SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB)	4					
					0.14	0.22		0.36	644	00100	0.36	MILE	EDGE LINE, 4"					
					0.18	0.11		0.29	644	00300	0.29	MILE	CENTER LINE					
					105	203		308	644	00400	308	FT	CHANNELIZING LINE, 8"					
					148	96		244	644	00500	244	FT	STOP LINE					
					860	885	150	1,895	644	00600	1,895	FT	CROSSWALK LINE					
					205	130		335	644	00700	335	FT	TRANSVERSE/DIAGONAL LINE					
						40		40	644	00900	40	SF	ISLAND MARKING					
					366	310	840	1,516	644	01200	1,516	FT	PARKING LOT STALL MARKING					
					15	7	5	27	644	01300	27	EACH	LANE ARROW					
					168	248		416	644	01500	416	FT	DOTTED LINE, 4"					
						1		4	644	01600	4	EACH	HANDICAP SYMBOL MARKING					
					3223			3223	644	30000	3223	FT	REMOVAL OF PAVEMENT MARKING					
					37			37	644	30020	37	EACH	REMOVAL OF PAVEMENT MARKING					
					0.21			0.21	644	30030	0.21	MILE	REMOVAL OF PAVEMENT MARKING					

GENERAL SUMMARY