

UTILITIES

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

OHIO GAS COMPANY
P.O BOX 528
BRYAN, OHIO 43506
KRIS HANDSHOE
419-630-2233
KRIS_HANDSHOE@OHIOGAS.COM

TOLEDO EDISON
6099 ANGOLA ROAD
HOLLAND, OHIO 43528
CHAD BURGESS
419-654-8103
BURGESSC@FIRSTENERGYCORP.COM

VILLAGE OF DELTA (SANITARY SEWER)
516 LOCUST STREET
DELTA, OHIO 43515
CHRISTOPHER MAIER
419-583-6537
CMAIER@VILLAGEOFDELTA.ORG

VILLAGE OF DELTA (TRAFFIC)
401 MAIN STREET
DELTA, OHIO 43515
BOB CASS
419-822-4700
BCASS@VILLAGEOFDELTA.ORG

VILLAGE OF DELTA (WATER)
7697 COUNTY ROAD H
DELTA, OHIO 43515
JAMMIE FLORES
419-822-3190
JFLORES@VILLAGEOFDELTA.ORG

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.

ROUNDING

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

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

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.

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: STATIC GNSS
MONUMENT TYPE: TYPE A & B

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD 88
GEOID: GEOID18

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83 (2011) EPOCH 2010.00
ELLIPSOID: GRS 80
MAP PROJECTION: LAMBERT CONFORMAL CONIC 1 PARALLEL
COORDINATE SYSTEM: OCCS - FULTON COUNTY
COMBINED SCALE FACTOR: 1.000025
ORIGIN OF COORDINATE SYSTEM:
CENTRAL LATITUDE: N41°30'00"
CENTRAL LONGITUDE: W84°09'00"
FALSE NORTHING: 100,000 METERS
FALSE EASTING: 50,000 METERS

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.

SEEDING AND MULCHING

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

653, TOPSOIL FURNISHED AND PLACED	101 CY
659, SEEDING AND MULCHING	911 SY
659, REPAIR SEEDING AND MULCHING	46 SY
659, COMMERCIAL FERTILIZER	0.13 TON
659, WATER	5 MGAL

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.

PAVEMENT RESTORATION FOR DRAINAGE STRUCTURE INSTALLATIONS

THE FOLLOWING QUANTITIES ARE PROVIDED FOR PAVEMENT RESTORATION FOLLOWING INSTALLATION OF ITEM 611, DRAINAGE STRUCTURES.

ITEM 304, AGGREGATE BASE 1 CU. YD.

THE ABOVE QUANTITY IS BASED ON A 304 THICKNESS OF 6 INCHES AND A WIDTH OF THREE FEET AROUND THE PERIMETER OF THE DRAINAGE STRUCTURE WHERE ASPHALT PAVEMENT IS PRESENT.

ITEM 452, 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC MS 4 SQ. YD.

THE ABOVE QUANTITY IS BASED ON A 452 THICKNESS OF 8 INCHES AND A WIDTH OF THREE FEET AROUND THE PERIMETER OF THE DRAINAGE STRUCTURE WHERE ASPHALT PAVEMENT IS PRESENT, EXCLUDING THE ONE FOOT CONCRETE APRON DETAILED IN SCD CB-3. THE ONE FOOT CONCRETE APRON DETAILED IN SCD CB-3 SHALL BE CONSIDERED INCIDENTAL TO ITEM 611 - CATCH BASIN, NO. 3.

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

ENVIRONMENTAL COMMITMENTS

ODOT AND THE CONTRACTOR SHALL 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. THE CONTRACTOR SHALL NOT REMOVE TREES FROM APRIL 1 THROUGH SEPTEMBER 30. PERFORM ALL NECESSARY TREE REMOVAL FROM OCTOBER 1 THROUGH MARCH 31. DEMARCAT E 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 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.

REVIEW OF DRAINAGE FACILITIES

PRIOR TO THE START OF WORK AND AGAIN BEFORE FINAL ACCEPTANCE, PERFORM AN INSPECTION WITH REPRESENTATIVES OF THE DEPARTMENT, CONTRACTOR AND LOCALS OF ALL EXISTING DRAINAGE FACILITIES THAT ARE TO REMAIN IN SERVICE WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES IS DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION ARE MAINTAINED BY THE DEPARTMENT.

CONFIRM ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES ARE MAINTAINED AND LEFT IN A CONDITION COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. THE CONTRACTOR IS RESPONSIBLE TO CORRECT ANY CHANGE IN THE CONDITION RESULTING FROM THEIR OPERATIONS AS DIRECTED AND APPROVED BY THE ENGINEER.

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

PROJECT CONTROL TABLE						
STATION/OFFSET		PROJECT COORDINATES (SEE SURVEY PARAMETERS)			MONUMENT DESCRIPTION	
STATION (C/L of R/W)	OFFSET (C/L of R/W)	NORTHING(ft) (FUL LDP)	EASTING(ft) (FUL LDP)	ELEV(ft) (NAVD88/18)	PT #	DESCRIPTION
HORIZONTAL CONTROL						
Centerline of U.S. 20A						
1008+76.51	28.32' LT	354969.159	200200.813	733.975*	CP #100	IPINS W / ALUM CAP
1017+38.81	58.76' RT	354904.604	201065.091	726.737	CP #101	TYPE A CONC MONUMENT
1022+39.21	24.75' RT	354951.658	201564.431	719.896*	CP #102	IPINS W / ALUM CAP
VERTICAL CONTROL						
1008+45.15	27.49' LT	354967.510	200169.490	734.900	BM #2000	R.R. SPIKE
1016+62.84	90.05' RT	354871.343	200989.966	729.362	BM #2001	R.R. SPIKE
1021+94.39	68.05' RT	354907.200	201520.759	728.771	BM #2002	MAG NAIL
*This elevation may be subject to seasonal changes. Confirm elevation against other primary vertical control and benchmarks just prior to the start of construction activities.						

DESIGN AGENCY



DESIGNER

GCB

REVIEWER

DTC 07/08/26

PROJECT ID

119890

SHEET

P.4

TOTAL

59

SHEET NUMBER													PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
4	6	8	39										01/STR						
																		ROADWAY	
													LS	201	11000	LS		CLEARING AND GRUBBING	
		94											94	202	23000	94	SY	PAVEMENT REMOVED	
		429											429	202	32000	429	FT	CURB REMOVED	
		56											56	202	35100	56	FT	PIPE REMOVED, 24" DIAMETER AND UNDER	
		412.5											412.5	202	38000	412.5	FT	GUARDRAIL REMOVED	
		1											1	202	42010	1	EACH	ANCHOR ASSEMBLY REMOVED, TYPE E	
		1											1	202	58100	1	EACH	CATCH BASIN REMOVED	
		640											640	203	10000	640	CY	EXCAVATION	
		500											500	203	20000	500	CY	EMBANKMENT	
		538											538	606	15050	538	FT	GUARDRAIL, TYPE MGS	
		1											1	606	26150	1	EACH	ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)	
		2											2	601	21050	2	SY	EROSION CONTROL	
101													101	653	10000	101	CY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	
911													911	659	10000	911	SY	TOPSOIL FURNISHED AND PLACED	
46													46	659	14000	46	SY	SEEDING AND MULCHING	
0.13													0.13	659	20000	0.13	TON	REPAIR SEEDING AND MULCHING	
																		COMMERCIAL FERTILIZER	
5													5	659	35000	5	MGAL	WATER	
													10,000	832	30000	10,000	EACH	EROSION CONTROL	
																		DRAINAGE	
		0.21											0.21	602	20000	0.21	CY	CONCRETE MASONRY	
		414											414	605	11110	414	FT	6" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC, 707.31	
		55											55	611	00510	55	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	
		58											58	611	05200	58	FT	12" CONDUIT, TYPE F	
		1											1	611	98150	1	EACH	CATCH BASIN, NO. 3	
		1											1	611	99710	1	EACH	PRECAST REINFORCED CONCRETE OUTLET	
																		PAVEMENT	
1		56											57	304	20000	57	CY	AGGREGATE BASE	
4													4	452	12050	4	SY	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC MS	
		429											429	609	23000	429	FT	COMBINATION CURB AND GUTTER, TYPE 4	
																		TRAFFIC CONTROL	
		7											7	626	00116	7	EACH	BARRIER REFLECTOR, TYPE 5, BIDIRECTIONAL	
																		RETAINING WALLS (WALL 1)	
			4,500										4,500	507	00400	4,500	FT	STEEL PILES, MISC.: SOLDIER PILES, W16x50	40
			31										31	511	46511	31	CY	CLASS QC1 CONCRETE, FOOTING, AS PER PLAN	40
			173										173	518	21200	173	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	
			429										429	518	40000	429	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	
			4,023										4,023	524	94703	4,023	FT	DRILLED SHAFTS, 36" DIAMETER, ABOVE BEDROCK, AS PER PLAN, KING PILE	40
			662										662	524	94703	662	FT	DRILLED SHAFTS, 36" DIAMETER, ABOVE BEDROCK, AS PER PLAN, PLUG PILE	40
			215										215	SPECIAL	53050000	215	EACH	RETAINING WALL, PRECAST CONCRETE PANEL (2'-0" x 5'-6")	41
																		MAINTENANCE OF TRAFFIC	
	5												5	614	13000	5	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
	6												6	614	18601	6	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	6
	2												2	616	10000	2	MGAL	WATER	
																		INCIDENTALS	
													LS	614	11000	LS		MAINTAINING TRAFFIC	
													LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
													LS	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER

GCB

REVIEWER

DTC 07/08/26

PROJECT ID

119890

SHEET

P.7

TOTAL

59