ENVIRONMENTAL COMMITMENTS

THE CONTRACTOR SHALL NOT REMOVE ANY TREES UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. THE PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT. 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. 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.

ENVIRONMENTAL STUDIES INDICATED THAT PETROLEUM CONTAMINATED SOIL (PCS) WILL BE ENCOUNTERED DURING EXCAVATIONS WITHIN THE PROJECT LIMITS FROM STA. 232+84, RT TO STA. 233+70, RT. ENVIRONMENTAL STUDIES ARE AVAILABLE UPON REQUEST. THE CONTRACTOR MUST DETERMINE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT FOR THOSE WHO CONDUCT WORK WITHIN THE LIMITS OF THE PCS.

ALL EXCAVATED PCS THAT CANNOT BE REUSED AS PROJECT FILL PER CMS 203.03(J)., SHALL BE MANAGED AND DISPOSED OF AT A LICENSED LANDFILL. THE ENGINEER MAY PERMIT THE CONTRACTOR TO DIRECT LOAD THE EXCAVATED PCS INTO TRUCKS FOR TRANSPORT AND DISPOSAL. AS AN ALTERNATE, THE ENGINEER MAY PERMIT THE CONTRACTOR TO TEMPORARILY STOCKPILE THE EXCAVATED PCS ON AN IMPERMEABLE MEMBRANE, IN AN AREA PROVIDE BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. THE STOCKPILE SHOULD BE SURROUNDED BY STRAW BALES TO REDUCE RUNOFF. THE CONTRACTOR WILL PROVIDE COMPLETED LOG FORMS AND MANIFESTS FOR TRANSPORT AND DISPOSAL TO THE ENGINEER FOR SIGNATURE. THE CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL TESTING THAT THE LANDFILL MAY REQUIRE FOR DISPOSAL.

ALL EXCAVATED AREAS SHALL BE BACKFILLED WITH SUITABLE MATERIAL IN ACCORDANCE WITH PROJECT PLANS, APPLICABLE ODOT SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ALL THE LABOR, EQUIPMENT AND MATERIALS NECESSARY TO PROPERLY MANAGE, STORE (IF NECESSARY), TEST FOR DISPOSAL, TRANSPORT AND DISPOSE OF REGULATED MATERIALS, INCLUDING ANY REQUIRED PERMITS OR FEES WITHIN THE IDENTIFIED LIMITS. PAYMENT FOR THIS WORK SHALL BE MADE AT THE CONTRACT PRICE BID. THE FOLLOWING ESTIMATED QUANTITES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY.

ITEM SPECIAL – WORK INVOLVING PETROLEUM CONTAMINATED SOILS 75 TON

ITEM 203 - EMBANKMENT 46 CY

ENVIRONMENTAL COMMITMENTS (CONTINUED)

ENVIRONMENTAL STUDIES INDICATED THAT SOLID WASTE CONSISTING OF DRY CLEANING FLUIDS WILL BE ENCOUNTERED DURING EXCAVATIONS WITHIN THE PROJECT LIMITS FROM STA. 233+60, RT TO STA. 235+08, RT. ENVIRONMENTAL STUDIES ARE AVAILABLE UPON REQUEST. THE CONTRACTOR MUST DETERMINE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT FOR THOSE WHO CONDUCT WORK WITHIN THE LIMITS OF THE SOLID WASTE.

ALL EXCAVATED SOLID WASTE THAT CANNOT BE REUSED ON THE PROJECT FILL SHALL BE MANAGED AND DISPOSED OF AT A LICENSED LANDFILL. THE ENGINEER MAY PERMIT THE CONTRACTOR TO DIRECT LOAD THE EXCAVATED SOLID WASTE INTO TRUCKS FOR TRANSPORT AND DISPOSAL. AS AN ALTERNATE, THE ENGINEER MAY PERMIT THE CONTRACTOR TO TEMPORARILY STOCKPILE THE EXCAVATED SOLID WASTE ON AN IMPERMEABLE MEMBRANE, IN AN AREA PROVIDE BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. THE STOCKPILE SHOULD BE SURROUNDED BY STRAW BALES TO REDUCE RUNOFF. THE CONTRACTOR WILL PROVIDE COMPLETED LOG FORMS AND MANIFESTS FOR TRANSPORT AND DISPOSAL TO THE ENGINEER FOR SIGNATURE. THE CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL TESTING THAT THE LANDFILL MAY REQUIRE FOR DISPOSAL.

ALL EXCAVATED AREAS SHALL BE BACKFILLED WITH SUITABLE MATERIAL IN ACCORDANCE WITH PROJECT PLANS, APPLICABLE ODOT SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ALL THE LABOR, EQUIPMENT AND MATERIALS NECESSARY TO PROPERLY MANAGE, STORE (IF NECESSARY), TEST FOR DISPOSAL, TRANSPORT AND DISPOSE OF REGULATED MATERIALS, INCLUDING ANY REQUIRED PERMITS OR FEES WITHIN THE IDENTIFIED LIMITS. PAYMENT FOR THIS WORK SHALL BE MADE AT THE CONTRACT PRICE BID. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY.

ITEM SPECIAL - WORK INVOLVING SOLID WASTE 100 TON

ITEM 203 - EMBANKMENT 62 CY

MAINTAIN SAFE PUBLIC ACCESS TO THE MAUMEE RIVER WATER TRAIL BOAT LAUNCH AREA AT ALL TIMES DURING CONSTRUCTION ACTIVITIES VIA FLAGGING OPERATIONS, A DETOUR, OR BOTH APPROVED BY THE PROJECT ENGINEER.

ODOT WILL ADHERE TO ALL APPROPRIATE WATERWAY PERMIT SPECIAL PROVISIONS THROUGHOUT CONSTRUCTION.

SCENIC RIVERS COMMITMENTS

THE CONTRACTOR SHALL NOT DISCHARGE TOXIC OR HAZARDOUS MATERIALS SUCH AS SEALANTS, PAINT, SOLVENTS, CLEANING AGENTS, EARTHEN MATERIALS, WASTE-WATER, FUELS OR DEBRIS OF ANY KIND TO A SCENIC RIVER, ITS TRIBUTARIES, OR DRAINAGE WAYS. IF REFUELING OF IMMOBILE EQUIPMENT IS NECESSARY WITHIN THE FLOODPLAIN OR NEAR ANY TRIBUTARY DRAINAGE WAYS, DITCHES, OR STREAM, THE CONTRACTOR SHALL PROVIDE SECONDARY CONTAINMENT WITH ENOUGH CAPACITY TO COMPLETELY CONTAIN AND COLLECT ALL POTENTIAL LIQUID WASTES IN THE EVENT OF A SPILL.

ANY AND ALL CONSTRUCTION DEBRIS, EARTHEN DEBRIS, EXCESS ASPHALT OR CONCRETE, WOOD DEBRIS FROM CLEARING, EXCESS FILL MATERIAL, AND TRASH SHOULD BE DISPOSED OF AT AN APPROVED UPLAND SITE OR LAND FILL ABOVE FEMA 100-YEAR FLOOD ELEVATIONS. DISPOSAL OF ANY SUCH MATERIALS WITHIN 1000 FEET OF THE MAUMEE RIVER IS PROHIBITED.

KEEP ALL IDLE EQUIPMENT AND ANY STORAGE FOR/OF, FUELS, LUBRICANTS, POTENTIALLY TOXIC OR HAZARDOUS MATERIALS BEYOND 1000 FEET OF THE MAUMEE RIVER. THE ONLY EXCEPTIONS WILL BE FOR LARGE STATIONARY CRANES, DRILL RIGS, AND OTHER LARGE CONSTRUCTION EQUIPMENT WITH LIMITED MOBILITY. IDLE EQUIPMENT IS DEFINED AS CONSTRUCTION EQUIPMENT THAT WILL NOT BE IN USE FOR THE FOLLOWING TWO CALENDAR DAYS. NOTIFY THE ENGINEER OF WEATHER OR RIVER CONDITIONS THAT MAY IMPACT THE WORK SITE AND PROVIDE A PLAN FOR IMMEDIATE MOVEMENT OF ALL EQUIPMENT 1000 FEET OR MORE FROM THE RIVER.

THE CONTRACTOR SHALL DEVELOP AND IMPLEMENT A SEDIMENT AND EROSION CONTROL PLAN BEFORE EARTHWORK COMMENCES. THE PLAN SHALL INCLUDE A LIST OF APPLICABLE BMPS, PER SS 832 THAT WILL BE USED THROUGHOUT THE PROJECT, SUCH AS PERIMETER CONTROLS AND/OR SEEDING AND MULCHING AND MUST BE SUBMITTED TO THE PROJECT ENGINEER FOR REVIEW AND ACCEPTANCE. SEDIMENT AND EROSION CONTROLS SHALL BE PROPERLY INSTALLED AND MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT. STRAW BALES SHALL NOT BE PERMITTED AS A FORM OF SEDIMENT CONTROL. ALL TEMPORARY SEDIMENT AND EROSION CONTROLS SHALL BE REMOVED UPON STABILIZATION OF THE PROJECT AREA. PARTICULAR ATTENTION SHALL BE GIVEN TO ANY DRAINAGE WAYS, UNPROTECTED SLOPES, DITCHES, AND STREAMS THAT COULD CONVEY SEDIMENT LADEN WATERS DIRECTLY TO THE MAUMEE RIVER.

WHEN CUTTING AND CLEARING OF ANY VEGETATION WITHIN 1000 FEET OF THE MAUMEE RIVER, THE CONTRACTOR SHALL LIMIT THE AMOUNT OF VEGETATION BEING CLEARED TO THE ABSOLUTE MINIMUM NECESSARY TO ACCOMPLISH THE GOAL OF THE PROJECT. VERTICAL PRUNING OF TREES IS PERMITTED IF ANY OVERHANGING LIMBS CAUSE A SAFETY HAZARD OR OBSTRUCT VIEW. THE CONTRACTOR SHALL NOT USE A FLAIL MOWER FOR VERTICAL PRUNING. THE CONTRACTOR MUST AVOID GIRDLING OR SCUFFING TREE TRUNKS.

THE CONTRACTOR SHALL MAKE EVERY ATTEMPT TO WORK FROM THE BRIDGE DECKS TO PLACE RCP AROUND THE STRUCTURE AND TO USE THE MINIMUM AMOUNT OF RCP NECESSARY TO PREVENT SCOUR. NEW OR USED CONCRETE OR ASPHALT ARE SPECIFICALLY PROHIBITED FROM USE AS FILL BELOW THE OHWM OR ON ANY PORTION OF THE SCENIC RIVER STREAM BANK.

THE CONTRACTOR MUST MAKE ALL REASONABLE ATTEMPTS TO DISTURB THE MINIMUM AMOUNT OF RIVERBANK VEGETATION. DISTURBED STREAM BANKS SHALL BE RE-VEGETATED, RETURNED TO PREVIOUSLY EXISTING CONTOURS AND ELEVATIONS, AND ANY TREES REMOVED TO PERFORM THE WORK SHALL BE REPLACED WITH NATIVE TREE SPECIES, WHERE PHYSICALLY PRACTICABLE.

THE CONTRACTOR SHALL MAKE EVERY ATTEMPT TO CONDUCT IN-STREAM WORK USING WATER DIVERSIONS SUCH AS SHEET PILING, MEMBRANE DAMS, ETC. THAT DO NOT REQUIRE THE PLACEMENT OF EARTHEN FILL.

IN ACCORDANCE WITH ORC 3750.06, REPORTABLE SPILLS MUST BE REPORTED TO THE LOCAL FIRE DEPARTMENT (911), THE LOCAL EMERGENCY COORDINATOR (419) 354-9269, AND THE OHIO SPILL LINE (1-800-282-9378).

IN ACCORDANCE WITH THE SCENIC RIVER MOA BETWEEN ODNR AND ODOT (NO. 11323), TIER V COORDINATION WILL BE COMPLETED PRIOR TO THE START OF CONSTRUCTION. DOCUMENTATION OF COORDINATION WILL BE INCLUDED IN THE PROJECT FILE.

THE NORTHWEST OHIO ASSISTANT SCENIC RIVERS PROGRAM MANAGER, ROWAN COBURN-GRIFFIS (419-348-6731; rowan.coburn-griffis@dnr.ohio.gov), MUST BE INVITED TO A PRECONSTRUCTION MEETING WITH THE CONTRACTOR PRESENT AND BE NOTIFIED OF THE PROJECT START DATE A MINIMUM OF ONE WEEK PRIOR TO THE COMMENCEMENT OF WORK. ADDITIONALLY, MS. COBURN-GRIFFIS MUST BE INVITED TO A FINAL SITE INSPECTION ONE WEEK PRIOR TO THE COMPLETION OF THE PROJECT WITH THE CONTRACTOR PRESENT.

ITEM SPECIAL - FILL AND PLUG EXISTING CONDUIT

THIS ITEM CONSISTS OF THE CONSTRUCTION OF BULKHEADS IN AN CONDUIT AND FILLING THE AREA SEALED OFF WITH ITEM 613, SAND OR OTHER MATERIAL APPROVED BY THE ENGINEER.

LOCATE THE BULKHEADS AT THE LIMITS OF THE AREA TO BE FILLED, AS INDICATED ON THE PLANS. THE BULKHEADS CONSIST OF BRICK OR CONCRETE MASONRY WITH A MINIMUM THICKNESS OF 12 INCHES.

PUMP THE FILL MATERIAL INTO PLACE OR BY OTHER MEANS APPROVED BY THE ENGINEER, SO THAT AFTER SETTLEMENT, AT LEAST 90 PERCENT OF THE CROSS-SECTIONAL AREA OF THE CONDUIT, FOR ITS ENTIRE LENGTH IS FILLED. THE LENGTH OF FILLED AND PLUGGED CONDUIT TO BE PAID FOR IS THE ACTUAL NUMBER OF FEET (MEASURED ALONG THE CENTERLINE OF EACH CONDUIT FROM OUTER FACE TO OUTER FACE OF BULKHEADS) FILLED AND PLUGGED AS DESCRIBED ABOVE.

IN LIEU OF FILLING AND PLUGGING THE EXISTING CONDUIT, THE PIPE MAY BE CRUSHED AND BACKFILLED PER 203, OR IT MAY BE REMOVED. THE LENGTH, MEASURED AS PROVIDED ABOVE, WILL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR, ITEM SPECIAL, FILL AND PLUG EXISTING CONDUIT.

GENERAL NOTES

DESIGN AGENCY

DESIGNER GCB

REVIEWER DTC 01/22/25

PROJECT ID 107711

SHEET P.12 TOTAL 164

WOO-64/65-5.78/6.18/23.39
MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 8/26/2025 TIME: 10:57:29 AM USER: GARRETT.BRENKE
pw:\\tetratech-us-pw.bentley.com:tetratech-us-pw-04\Documents\OhioDOT\200-12914-21002\107711400-Engineering\Roadway\Sheets\107711_GN003.dgn

SHEET NUM.											PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
10	12	22	23	25							01/STR	02/BRO	03/BRO						
																		ROADWAY	
											LS	LS		201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN	10
			3,602	447							2,105	1,878	66	202	23000	4,049	SY	PAVEMENT REMOVED	
		1,825										1,825		202	30000	1,825	SF	WALK REMOVED	
		754										754		202	32000	754	FT	CURB REMOVED	
		1,191									766	425		202	38000	1,191	FT	GUARDRAIL REMOVED	
		111										111		202	75000	111	FT	FENCE REMOVED	
		1									1			202	98100	1	EACH	REMOVAL MISC.:WOODEN BRIDGE	10
		4,064									3,835	229		203	10000	4,064	CY	EXCAVATION	
	108	2,373									2,331	150		203	20000	2,481	CY	EMBANKMENT	
			3,727	487							2,311	1,838	65	204	10000	4,214	SY	SUBGRADE COMPACTION	
481											481			204	13000	481	CY	EXCAVATION OF SUBGRADE	
		74									74			204	30010	74	CY	GRANULAR MATERIAL, TYPE B	
481											481			204	30020	481	CY	GRANULAR MATERIAL, TYPE C	
		239									239			204	30030	239	CY	GRANULAR MATERIAL, TYPE D	
2											2			204	45000	2	HOUR	PROOF ROLLING	
1,446											1,446			204	50000	1,446	SY	GEOTEXTILE FABRIC, TYPE D, 712.09	
		475									300	175		606	15050	475	FT	GUARDRAIL, TYPE MGS	
		228									228			606	15100	228	FT	GUARDRAIL, TYPE MGS WITH LONG POSTS	
		2									1	1		606	26150	2	EACH	ANCHOR ASSEMBLY, MGS TYPE E, MASH 2016	
		3									1	2		606	26550	3	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
		4									4			606	34600	4	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE TST-2	
		2										2		606	35002	2	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	
		1										1		606	35003	1	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1, AS PER PLAN	11
		1										1		606	35102	1	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2	
		2,113										2,113		608	10000	2,113	SF	4" CONCRETE WALK	
	100											100		SPECIAL	69065010	100	TON	WORK INVOLVING SOLID WASTE	12
	75											75		SPECIAL	69065016	75	TON	WORK INVOLVING PETROLEUM CONTAMINATED SOIL	12
																		EROSION CONTROL	
			10									10		601	32110	10	CY	ROCK CHANNEL PROTECTION, TYPE B WITH AGGREGATE FILTER	
580											388	192		653	10000	580	CY	TOPSOIL FURNISHED AND PLACED	
445											445			659	00580	445	SY	SEEDING AND MULCHING, CLASS 5B	
4,782											3,056	1,726		659	10000	4,782	SY	SEEDING AND MULCHING	
261											175	86		659	14000	261	SY	REPAIR SEEDING AND MULCHING	
261											175	86		659	15000	261	SY	INTER-SEEDING	
0.75											0.5	0.25		659	20000	0.75	TON	COMMERCIAL FERTILIZER	
29											19	10		659	35000	29	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	
											20,000	15,000		832	30000	35,000	EACH	EROSION CONTROL	
			1,429								1,429			836	10000	1,429	SY	SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1	

GENERAL SUMMARY

DESIGN AGENCY

DESIGNER GCB

REVIEWER DTC 01/22/25

PROJECT ID 107711

SHEET P.18 TOTAL 164

WOO-64/65-5.78/6.18/23.39

SHEET NUM.									PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
11	22	23	24	25	80	90			01/STR	02/BRO	03/BRO						
																DRAINAGE	
		667							394	273		202	35100	667	FT	PIPE REMOVED, 24" DIAMETER AND UNDER	
		1								1		202	58000	1	EACH	MANHOLE REMOVED	
		1								1		202	58100	1	EACH	CATCH BASIN REMOVED	
		1								1		602	20000	1	CY	CONCRETE MASONRY	
			21							21		605	13410	21	FT	6" UNCLASSIFIED PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC, 707.31	
			1,019						678	341		605	14020	1,019	FT	6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC, 707.31	
16									16			605	31100	16	FT	AGGREGATE DRAINS	
25									25			611	00400	25	FT	4" CONDUIT, TYPE E	
25									25			611	00406	25	FT	4" CONDUIT, TYPE F	
			122						72	50		611	00510	122	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	
50									50			611	03100	50	FT	10" CONDUIT, TYPE B	
		59							59			611	04400	59	FT	12" CONDUIT, TYPE B	
		20								20		611	04600	20	FT	12" CONDUIT, TYPE C	
		82								82		611	07600	82	FT	18" CONDUIT, TYPE C	
		1								1		611	98150	1	EACH	CATCH BASIN, NO. 3	
		1							1			611	98450	1	EACH	CATCH BASIN, NO. 2-2A	
		3								3		611	98630	3	EACH	CATCH BASIN ADJUSTED TO GRADE	
		2								2		611	99574	2	EACH	MANHOLE, NO. 3	
			2						2			611	99710	2	EACH	PRECAST REINFORCED CONCRETE OUTLET	
																PAVEMENT	
		608							386	222		301	56000	608	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
		624		29					391	262		304	20000	653	CY	AGGREGATE BASE	
		287		8					185	110		407	10000	295	GAL	TACK COAT	
		20							20			411	10000	20	CY	STABILIZED CRUSHED AGGREGATE	
		271							184	87		441	70000	271	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	
				7					2	5		441	70500	7	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS)	
				6					2	4		441	70600	6	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (DRIVEWAYS)	
	12			362						309	65	452	12010	374	SY	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
	629									629		609	12000	629	FT	COMBINATION CURB AND GUTTER, TYPE 2	
																WATER WORK	
		216								216		SPECIAL	20270000	216	FT	FILL AND PLUG EXISTING CONDUIT, 12"	12
		35							35			SPECIAL	20270000	35	FT	FILL AND PLUG EXISTING CONDUIT, 20"	12
		195							195			SPECIAL	63811614	195	FT	20" WATER MAIN DIP AND FITTINGS, CITY OF BOWLING GREEN SPECIFICATIONS	67-72
		1							1			SPECIAL	63820666	1	EACH	20" BUTTERFLY VALVE WITH VALVE BOX, CITY OF BOWLING GREEN SPECIFICATIONS	72
		1							1			638	98000	1	EACH	WATER WORK, MISC.: 1" WATER SERVICE (SHORT), CITY OF BOWLING GREEN SPECIFICATIONS	73
		2							2			638	98000	2	EACH	WATER WORK, MISC.: CONNECT TO EXISTING WATER MAIN, CITY OF BOWLING GREEN SPECIFICATIONS	67-72
																SANITARY SEWER	
374											374	202	35700	374	FT	ASBESTOS PIPE REMOVED	
					LS						LS	611	97300	LS		CONDUIT, MISC.: SANITARY SEWER BYPASS PUMPING	80
		190									190	611	97400	190	FT	CONDUIT, MISC.:10" SANITARY SEWER DUCTILE IRON PIPE, CEMENT LINED, RESTRAINED JOINTS, NWWSD SPECIFICATIONS	11
		184									184	611	97400	184	FT	CONDUIT, MISC.:10" SANITARY SEWER PVC PRESSURE PIPE, AWWA C900 OR C909, NWWSD SPECIFICATIONS	80
		1									1	SPECIAL	69098000	1	EACH	2" X 10" TAPPING SADDLE, NWWSD SPECIFICATIONS	80
																LIGHTING	
						8					8	625	00450	8	EACH	CONNECTION, FUSED PULL APART	
						4					4	625	10481	4	EACH	LIGHT POLE, AESTHETIC, AS PER PLAN, AT02B30	89
						939					939	625	23302	939	FT	NO. 6 AWG 2400 VOLT DISTRIBUTION CABLE	
						456					456	625	23400	456	FT	NO. 10 AWG POLE AND BRACKET CABLE	
						141					141	625	25400	141	FT	CONDUIT, 2", 725.04	
						107					107	625	25408	107	FT	CONDUIT, 2", 725.051	
						4					4	625	27551	4	EACH	LUMINAIRE, DECORATIVE, AS PER PLAN, LED, POST-TOP LANTERN, ARM MOUNTED, 3000K, IES III, BLACK, W/AESTHETICS	89
						107					107	625	29002	107	FT	TRENCH, 24" DEEP	
						4					4	625	29920	4	EACH	STRUCTURE JUNCTION BOX	
						2					2	625	30700	2	EACH	PULL BOX, 725.08, 18"	
						1					1	625	32000	1	EACH	GROUND ROD	
						1					1	625	34001	1	EACH	POWER SERVICE, AS PER PLAN	89
						107					107	625	36010	107	FT	UNDERGROUND WARNING/MARKING TAPE	

GENERAL SUMMARY

DESIGN AGENCY

DESIGNER GCB

REVIEWER DTC 01/22/25

PROJECT ID 107711

SHEET P.19 TOTAL 164

WOO-64/65-5.78/6.18/23.39

STATION RANGE			SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	SPLIT	202 PAVEMENT REMOVED	204 SUBGRADE COMPACTION		301 ASPHALT CONCRETE BASE, PG64-22, (449)		304 AGGREGATE BASE		407 TACK COAT		411 STABILIZED CRUSHED AGGREGATE		441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22					
				FT	FT	SY	SY		SY	SY		CY		CY		GAL		CY		CY					
WOO-64-5.78																									
403+11.00	TO	407+14.00		403.00	24.02		1075.56	01/STR	1076																
403+11.00	TO	404+25.00		114.00	27.75	351.44		01/STR								39				32					
403+11.00	TO	404+25.00		114.00	28.41	359.80		01/STR				70													
403+11.00	TO	404+25.00		114.00	29.58	374.62		01/STR		375				62											
404+25.00	TO	406+00.00		175.00	32.00	622.22		01/STR								68				56					
404+25.00	TO	406+00.00		175.00	32.66	635.06		01/STR				123													
404+25.00	TO	406+00.00		175.00	33.83	657.81		01/STR		658				110											
406+00.00	TO	407+14.00		114.00	28.01	354.73		01/STR								39				32					
406+00.00	TO	407+14.00		114.00	28.67	363.09		01/STR				71													
406+00.00	TO	407+14.00		114.00	29.84	377.91		01/STR		378				63											
MITCHELL ROAD																									
123+50.00	TO	124+58.05		108.05	37.44		449.43	01/STR	449																
123+50.00	TO	123+62.05		12.05	16.67	22.32		01/STR		22															
123+62.05	TO	124+58.05		96.00			380.70	01/STR		381															
123+50.00	TO	123+63.81		13.81	15.00	23.02		01/STR				3													
123+63.81	TO	124+58.05		94.24			389.00	01/STR				43													
123+50.00	TO	123+63.81		13.81	16.67	25.57		01/STR						4											
123+63.81	TO	124+58.05		94.24			401.70	01/STR						67											
123+50.00	TO	124+07.80	LT	57.80			24.79	01/STR										6							
124+07.80	TO	124+58.05	RT	50.25			62.67	01/STR										14							
123+50.00	TO	123+63.81		13.81	15.00	23.02		01/STR												2					
123+63.81	TO	124+58.05		94.24			352.33	01/STR												32					
WOO-65-6.18																									
425+33.84	TO	427+26.84		193.00	25.98		557.14	01/STR	557																
425+33.84	TO	425+83.84		50.00	29.11		161.71	01/STR								18				15					
425+33.84	TO	425+83.84		50.00	29.78		165.42	01/STR				38													
425+33.84	TO	425+83.84		50.00	31.10		172.78	01/STR		173				29											
425+83.84	TO	425+98.84		15.00	34.00	56.67		01/STR		57				9											
426+61.84	TO	426+76.84		15.00	34.00	56.67		01/STR		57				9											
426+76.84	TO	427+26.84		50.00	28.97		160.93	01/STR								18				15					
426+76.84	TO	427+26.84		50.00	29.63		164.63	01/STR				38													
426+76.84	TO	427+26.84		50.00	30.97		172.03	01/STR		172				29											
WOO-65-23.39																									
232+80.00	TO	237+34.00		454.00	30.13		1519.99	02/BRO	1520																
232+80.00	TO	232+93.05		13.05	27.71		40.18	02/BRO				9				4				4					
232+80.00	TO	232+93.05		13.05	32.79		47.55	02/BRO		48				8											
232+93.05	TO	234+16.70		123.65	27.00	370.95		02/BRO				87				41				33					
232+93.05	TO	234+16.70		123.65	34.00	467.12		02/BRO		467				78											
234+16.70	TO	234+41.70		25.00	45.58		126.60	02/BRO		127				21											
235+28.09	TO	235+53.09		25.00	45.51		126.41	02/BRO		126				21											
235+53.09	TO	236+88.62		135.53	27.00	406.59		02/BRO				95				45				37					
235+53.09	TO	236+88.62		135.53	34.00	512.00		02/BRO		512				85											
236+88.62	TO	237+34.00		45.38	27.59		139.09	02/BRO				31				15				13					
236+88.62	TO	237+34.00		45.38	34.54		174.15	02/BRO		174				29											
TOTALS CARRIED TO GENERAL SUMMARY									3602	3727		608		624		287		20		271					

PAVEMENT CALCULATIONS

DESIGN AGENCY

DESIGNER GCB

REVIEWER DTC 01/22/25

PROJECT ID 107711

SHEET P.23 TOTAL 164

WOO-64/65-5.78/6.18/23.39