

City of Meridian
Ustick Road (Black Cat Road to Ten Mile Road)
Utility Improvements
City Project #11340
Construction Cost Estimate
Revised September 26, 2024

Item No.	Item Description	Unit	Sheet No.																	Estimated Quantity	
			C-03	C-04	C-05	C-06	C-07	C-08	C-09	C-10	C-11	C-12	C-13	C-14	C-15	C-16	C-17	C-18	C-19		C-20
204.4.1.A.1.	STRUCTURAL EXCAVATION - AERIAL SEWER SUPPORT ONLY	CY												42							42
204.4.3.A.1.	COMPACTING BACKFILL - AERIAL SEWER SUPPORT ONLY	CY												33							33
205.4.1.B.1	DEWATERING	LS																			1
303.4.1.A.3	EXPLORATORY EXCAVATION (PRE-APPROVAL REQUIRED)	HR										4				3	3				10
306.4.1.D.1	IMPORTED TRENCH BACKFILL, TYPE A (PRE-APPROVAL REQUIRED)	TON	32	20	12		85			13	22	42	20					95			341
306.4.1.G.1	CULVERT CROSSING CDF (FLOWABLE) BACKFILL	CY											52								52
307.4.1.E.1	TYPE C SURFACE RESTORATION	SY										82									82
307.4.1.G.1.a	TYPE P SURFACE RESTORATION - TEMPORARY	SY	25									15	20			15	15				90
307.4.1.G.1.b	TYPE P SURFACE RESTORATION - PERMANENT	SY											280	299							579
310.4.1.A.1.a	16"Ø, 3/8" THICK STEEL CASING	LF					28				41						30				99
310.4.1.A.1.b	20"Ø, 3/8" THICK STEEL CASING	LF	30		20		24					80					30				184
310.4.1.A.1.c	30"Ø, 3/8" THICK STEEL CASING	LF					28										30				58
310.4.1.A.1.d	36"Ø, 3/8" THICK STEEL CASING	LF											60								60
310.4.1.A.1.e	42"Ø, 3/8" THICK STEEL CASING	LF		24						24							30				78
310.4.1.A.1.e	20" PVC, AWWA C900, DR25 PVC WATER MAIN SLEEVE	LF											60								60
401.4.1.A.1.a	6" PVC, AWWA C900, DR18 WATER MAIN	LF	16		29			27		5	30	8									115
401.4.1.A.1.b	8" PVC, AWWA C900, DR18 WATER MAIN	LF					32		29		12	57									130
401.4.1.A.1.c	12" PVC, AWWA C900, DR18 WATER MAIN	LF	57		10		20					481	421	295			25				1309
401.4.1.A.1.d	8" (IPS) HDPE, AWWA C906, PE4710, DR7 WATER MAIN	LF								33											33
401.4.1.A.1.d	12" (IPS) HDPE, AWWA C906, PE4710, DR9 WATER MAIN	LF									45										45
401.4.1.A.1.e	16" (IPS) HDPE, AWWA C906, PE4710, DR7 WATER MAIN	LF								97											97
401.4.1.A.1.f	16" (IPS) HDPE, AWWA C906, PE4710, DR9 WATER MAIN	LF	40		30		34					120	80				40				344
401.4.1.C.1.	LOCATE STATION PER MERIDIAN SD-G5	EA	1		2			1		2	1	1	2	1			1				12
401.4.1.D.1.	WATER CONTROL VAULT #22	EA										1									1
401.4.1.E.1.	RELOCATE WATER CONTROL VAULT #22 CONTROL PANEL	EA										1									1
402.4.1.A.1.a	6" GATE VALVE	EA			1			1		1		1	1								5
402.4.1.A.1.b	8" GATE VALVE	EA					1		1			1	1								4
402.4.1.A.1.c	12" GATE VALVE	EA	3		3		1	2	2	6		3	3		1		1		1		26
403.4.1.A.1.a	FIRE HYDRANT ASSEMBLY WITH LOCATE STATION	EA			1			1		1		1	1								5
403.4.1.A.1.b	RELOCATE EXISTING FIRE HYDRANT ASSEMBLY WITH LOCATE STATION	EA	1																		1
404.4.1.A.1.a	3/4" SINGLE WATER SERVICE CONNECTION	EA			1	1	1	1	1			1	1				1	1			9
404.4.1.A.1.b	2" SINGLE WATER SERVICE CONNECTION	EA										1									1
404.4.1.B.1.a	3/4" WATER SERVICE LINE (METER TO BUILDING)	LF											15								15
404.4.1.B.1.b	2" WATER SERVICE LINE (METER TO BUILDING)	LF											45								45
501.4.1.B.1.	30" (IPS) HDPE, ASTM F714, PE4710, DR17 SANITARY SEWER MAIN	LF											23	71							94
502.4.1.A.1.a	60"Ø SANITARY SEWER MANHOLE, TYPE B	EA												1							1
502.4.1.A.1.b	60"Ø SANITARY SEWER DOGHOUSE MANHOLE	EA												1							1
503.4.1.A.3.	SEWER SERVICE CLEANOUT	EA															1	2			3
504.4.1.A.1.a	4" PVC, ASTM D3034, SEWER SERVICE PIPE	LF											77								77
504.4.1.A.1.b	EXTEND EXISTING SEWER SERVICE, MATCH PIPE SIZE	LF															22	54			76
504.4.1.D.1.	4" SEWER SERVICE CONNECTION TO MAIN	EA											1								1
505.4.1.B.1.a	10" PVC, AWWA C900, DR18 PRESSURE SEWER MAIN	LF					14							13					35		62
505.4.1.B.1.b	18" PVC, AWWA C900, DR18 PRESSURE SEWER MAIN	LF					18							13					25		56
505.4.1.B.1.c	12" (IPS) HDPE, AWWA C906, PE4710, DR9 PRESSURE SEWER MAIN	LF					38							20					40		98

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ACHD Pay For water stub

Item No.	Item Description	Estimated Quantity	Unit	Bid Unit Price	Bid Item Total		
204.4.1.A.1.	STRUCTURAL EXCAVATION - AERIAL SEWER SUPPORT ONLY	42	CY	\$57.13	\$2,399.46		
204.4.3.A.1.	COMPACTING BACKFILL - AERIAL SEWER SUPPORT ONLY	33	CY	\$108.90	\$3,593.70		
205.4.1.B.1	DEWATERING	1	LS	\$67,418.34	\$67,418.34		
303.4.1.A.3	EXPLORATORY EXCAVATION (PRE-APPROVAL REQUIRED)	10	HR	\$669.11	\$6,691.10	\$2,676.44	\$4,014.66
306.4.1.D.1	IMPORTED TRENCH BACKFILL, TYPE A (PRE-APPROVAL REQUIRED)	341	TON	\$36.23	\$12,354.43	\$6,177.22	\$6,177.22
306.4.1.G.1	CULVERT CROSSING CDF (FLOWABLE) BACKFILL	29	CY	\$324.21	\$9,402.09	\$4,701.05	\$4,701.05
307.4.1.E.1	TYPE C SURFACE RESTORATION		SY	\$25.05			
307.4.1.G.1.a	TYPE P SURFACE RESTORATION - TEMPORARY		SY	\$49.50			
307.4.1.G.1.b	TYPE P SURFACE RESTORATION - PERMANENT		SY	\$61.60			
310.4.1.A.1.a	16"Ø, 3/8" THICK STEEL CASING	41	LF	\$547.95	\$22,465.95	\$22,465.95	\$31,781.10
310.4.1.A.1.b	20"Ø, 3/8" THICK STEEL CASING	144	LF	\$359.90	\$51,825.60		
310.4.1.A.1.c	30"Ø, 3/8" THICK STEEL CASING	58	LF	\$389.73	\$22,604.34		
310.4.1.A.1.d	36"Ø, 3/8" THICK STEEL CASING	60	LF	\$511.25	\$30,675.00		
310.4.1.A.1.e	42"Ø, 3/8" THICK STEEL CASING	78	LF	\$542.75	\$42,334.50		
310.4.1.A.1.e	20" PVC, AWWA C900, DR25 PVC WATER MAIN SLEEVE	30	LF	\$229.03	\$6,870.90		
401.4.1.A.1.a	6" PVC, AWWA C900, DR18 WATER MAIN	115	LF	\$40.88	\$4,701.20		
401.4.1.A.1.b	8" PVC, AWWA C900, DR18 WATER MAIN	130	LF	\$80.77	\$10,500.10		
401.4.1.A.1.c	12" PVC, AWWA C900, DR18 WATER MAIN	220	LF	\$186.64	\$41,060.80		
401.4.1.A.1.d	8" (IPS) HDPE, AWWA C906, PE4710, DR7 WATER MAIN	33	LF	\$149.38	\$4,929.54		
401.4.1.A.1.d	12" (IPS) HDPE, AWWA C906, PE4710, DR9 WATER MAIN	45	LF	\$249.37	\$11,221.65		
401.4.1.A.1.e	16" (IPS) HDPE, AWWA C906, PE4710, DR7 WATER MAIN	97	LF	\$217.29	\$21,077.13		
401.4.1.A.1.f	16" (IPS) HDPE, AWWA C906, PE4710, DR9 WATER MAIN	244	LF	\$565.68	\$138,025.92		
401.4.1.C.1.	LOCATE STATION PER MERIDIAN SD-G5	10	EA	\$743.62	\$7,436.20		
401.4.1.D.1.	WATER CONTROL VAULT #22	1	EA	\$99,629.35	\$99,629.35		
401.4.1.E.1.	RELOCATE WATER CONTROL VAULT #22 CONTROL PANEL	1	EA	\$42,189.00	\$42,189.00		
402.4.1.A.1.a	6" GATE VALVE	5	EA	\$2,086.65	\$10,433.25		
402.4.1.A.1.b	8" GATE VALVE	4	EA	\$2,745.89	\$10,983.56		
402.4.1.A.1.c	12" GATE VALVE	25	EA	\$4,050.24	\$101,256.00		
403.4.1.A.1.a	FIRE HYDRANT ASSEMBLY WITH LOCATE STATION	5	EA	\$7,175.77	\$35,878.85		
403.4.1.A.1.b	RELOCATE EXISTING FIRE HYDRANT ASSEMBLY WITH LOCATE STATION	1	EA	\$5,872.68	\$5,872.68		
404.4.1.A.1.a	3/4" SINGLE WATER SERVICE CONNECTION	9	EA	\$2,590.61	\$23,315.49		
404.4.1.A.1.b	2" SINGLE WATER SERVICE CONNECTION	1	EA	\$6,437.00	\$6,437.00		
404.4.1.B.1.a	3/4" WATER SERVICE LINE (METER TO BUILDING)	15	LF	\$101.01	\$1,515.15		
404.4.1.B.1.b	2" WATER SERVICE LINE (METER TO BUILDING)	45	LF	\$82.01	\$3,690.45		
501.4.1.B.1.	30" (IPS) HDPE, ASTM F714, PE4710, DR17 SANITARY SEWER MAIN	94	LF	\$295.07	\$27,736.58		
502.4.1.A.1.a	60"Ø SANITARY SEWER MANHOLE, TYPE B	1	EA	\$12,433.91	\$12,433.91		
502.4.1.A.1.b	60"Ø SANITARY SEWER DOGHOUSE MANHOLE	1	EA	\$19,724.86	\$19,724.86		
503.4.1.A.3.	SEWER SERVICE CLEANOUT	3	EA	\$1,133.10	\$3,399.30		
504.4.1.A.1.a	4" PVC, ASTM D3034, SEWER SERVICE PIPE	77	LF	\$122.90	\$9,463.30		
504.4.1.A.1.b	EXTEND EXISTING SEWER SERVICE, MATCH PIPE SIZE	76	LF	\$56.48	\$4,292.48		
504.4.1.D.1.	4" SEWER SERVICE CONNECTION TO MAIN	1	EA	\$6,143.53	\$6,143.53		
505.4.1.B.1.a	10" PVC, AWWA C900, DR18 PRESSURE SEWER MAIN		LF	\$336.76			
505.4.1.B.1.b	18" PVC, AWWA C900, DR18 PRESSURE SEWER MAIN	56	LF	\$455.33	\$25,498.48		
505.4.1.B.1.c	12" (IPS) HDPE, AWWA C906, PE4710, DR9 PRESSURE SEWER MAIN		LF	\$436.00			
505.4.1.B.1.d	24" (IPS) HDPE, AWWA C906, PE4710, DR9 PRESSURE SEWER MAIN	98	LF	\$1,988.71	\$194,893.58		
505.4.1.B.1.e	36" (IPS) HDPE, AWWA C906, PE4710, DR11 DRY PRESSURE SEWER MAIN	1194	LF	\$431.64	\$515,378.16		
505.4.1.D.1.	RELOCATE EXISTING PRESSURE SEWER MANHOLE AIR VENT	2	EA	\$5,757.64	\$11,515.28		
512.4.1.A.1.	SEWAGE BYPASS SYSTEM	1	LS	\$492,975.02	\$492,975.02		
702.4.2.A.1.	REINFORCING STEEL - AERIAL SEWER SUPPORT ONLY	595	LB	\$2.52	\$1,499.40		
703.4.1.A.1.	CONCRETE CLASS 4000 - AERIAL SEWER SUPPORT ONLY	6	CY	\$1,440.00	\$8,640.00		
706.4.1.G.1.	CONCRETE REPAIR	5	SY	\$690.00	\$3,450.00		
802.4.1.A.1.	3/4" CRUSHED AGGREGATE BASE - AERIAL SEWER SUPPORT ONLY	3	CY	\$660.25	\$1,980.75		
1102.4.1.A.1.	JUNCTION BOX, S40T/ADA	12	EA	\$1,399.65	\$16,795.80		
1102.4.1.E.1.a	2" PVC, SCH 40, FIBER OPTIC CONDUIT WITH LOCATE WIRE	7974	LF	\$14.96	\$119,291.04		
1102.4.1.E.1.b	4" SCHEDULE 40 RIGID PLASTIC CONDUIT (IRRIGATION AND ELECTRICAL SERVICE SLEEVE)	552	LF	\$24.41	\$13,474.32		
1102.4.1.F.1.	FIBER OPTIC JUNCTION BOX, TYPE H2436-24H	22	EA	\$2,961.00	\$65,142.00		
2030.4.1.A.1.	ADJUST EXISTING SEWER MANHOLE TO GRADE	16	EA	\$1,155.00	\$18,480.00		
2030.4.1.C.1.	ADJUST EXISTING VALVE BOX TO GRADE	27	EA	\$992.25	\$26,790.75		
SP-M04004.a	2" BLOW-OFF ASSEMBLY PER MERIDIAN SD-W12	8	EA	\$5,365.44	\$42,923.52		
SP-M04004.b	2" BLOW-OFF ASSEMBLY PER MERIDIAN SD-W13	1	EA	\$2,930.54	\$2,930.54		
SP-M04007.a	ABANDON EXISTING SEWER SERVICE CONNECTION	2	EA	\$1,401.77	\$2,803.54		
SP-M04007.b	ABANDON EXISTING SEWER MAIN	3	EA	\$33,659.34	\$100,978.02		

SP-M04007.c	ABANDON EXISTING WATER SERVICE	1	EA	\$1,203.16	\$1,203.16				
SP-M04007.d	ABANDON & REMOVE EXISTING WATER MAIN	3	EA	\$5,322.51	\$15,967.53				
SP-M04007.e	REMOVE EXISTING VALVE	1	EA	\$3,516.52	\$3,516.52				
SP-M04007.f	REMOVE EXISTING WATER CONTROL VAULT	1	EA	\$10,645.01	\$10,645.01				
SP-M04007.g	REMOVE ABANDONED PRESSURE SEWER MAIN LOCATE WIRE BOX	1	EA	\$597.80	\$597.80				
SP-M04007.h	REMOVE ABANDONED PRESSURE SEWER MANHOLE	5	EA	\$2,661.25	\$13,306.25				
SP-M04021	ADJUST EXISTING WATER METER TO GRADE	1	EA	\$1,309.86	\$1,309.86				
SP-29068	LAWN SOD RESTORATION	848	SF	\$1.36	\$1,153.28	\$576.64	\$576.64		
TOTAL ESTIMATED COST					\$2,655,122.30	\$756,477.73	\$1,688,016.24	\$184,433.04	\$ 276,600.00
						Water Total	Sewer Total	Fiber Total	Street Lights

FIBER CONDUIT

IT Portion	\$ 150,000.00
PW Water Portion	\$73,079.75

Parks Conduits/Boxes	\$30,270.12
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10% Contingency	\$75,647.77	\$168,801.62	\$18,443.30	\$ 27,660.00
5% Overhead	\$37,823.89	\$84,400.81	\$9,221.65	\$ -
Cost Share (Traffic)	\$ 45,043.21	\$ 100,510.12	\$ 10,981.76	\$ 6,062.87
TOTALS	\$914,992.60	\$2,041,728.80	\$223,079.75	\$310,322.87

TOTAL PROJECT COST MERIDIAN **\$3,520,394.14**

5.99%	\$ 45,043.21	Cost Share Water
13.38%	\$ 100,510.12	Cost Share Sewer
1.46%	\$ 10,981.76	Cost Share Fiber
2.19%	\$ 6,062.87	Cost Share Street Lights

\$ 621,705.00	Mobilization
\$ 129,675.00	Traffic Control
\$ 751,380.00	

\$ 12,619,043.91	ACHD Project Total	
5%	\$37,823.89	Overhead
5%	\$84,400.81	Overhead
	\$122,224.70	Total