Consulting Engineers - Surveyors

1760 Brightwood Road S.E. New Philadelphia, Ohio 44663 330/339-4242

West Brook Estates, Phase 4 Opinion of Probable Construction Cost December, 2015

C# 9063

Item Description	Qty. Unit	Unit Price	Total
Phase 4A			\$707,720.50
Phase 4B			\$616,737.00
Miscellaneous			
Mobilization	1 Lump	\$5,000.00	\$5,000.00
Construction Staking	1 Lump	\$26,000.00	\$26,000.00
Erosion Control	1 Lump	\$5,000.00	\$5,000.00
TOTAL			\$1,360,457.50

West Brook Estates Phase 4A Opinion of Probable Construction Cost 12/30/2015

Item No.	Estimated Quantity	Units	Description	Unit Cost	Total Amou
		† T			
	1		Water		
1	1646	L.F.	8" Class 52 DIP (Polyethylene wrap)	\$80.00	\$131,680.0
2	3	EACH		\$3,000.00	\$9,000.00
3	6	EACH	8" Gate Valve w/ Valve Box	\$1,250.00	\$7,500.00
4	29	EACH	8" Service Saddle - 3/4" Tapered Thread	\$80.00	\$2,320.00
5	29	EACH	3/4" Corporation Stop	\$350.00	\$10,150.0
6	29	EACH	3/4" Curb Stop & Box	\$275.00	\$7,975.00
7	582	L.F.	3/4" Type K Copper Service Line	\$25.00	\$14,550.00
8	0	C.Y.	Granular Backfill (Accounted for in Conduit Cost)	\$25.00	\$0.00
			Water Subtotal:	V	\$183,175.0
			Constituting Constitution		
9	674		Sanitary Sewer		
	674	L.F.	8" PVC Gravity Sewer, Type B	\$30.00	\$20,220.00
10	588	L.F.	6" PVC Sewer Service Lateral, Type B	\$20.00	\$11,760.00
11	3		Precast Manhole, 8' to 12'	\$2,400.00	\$7,200.00
12	0	C.Y.	Granular Backfill (Accounted for in Conduit Cost)	\$25.00	\$0.00
			Sanitary Sewer Subtotal:		\$39,180.00
			Storm Sewer		
13	735	L.F.	12" HDPE N-12 Storm Sewer, Type B	\$45.00	\$33,075.00
14	602		15" HDPE N-12 Storm Sewer, Type B	\$55.00	\$33,110.00
15	405		18" HDPE N-12 Storm Sewer, Type B	\$65.00	\$26,325.00
16	226		24" HDPE N-12 Storm Sewer, Type B	\$75.00	\$16,950.00
17	70	-500/1000	30" HDPE N-12 Storm Sewer, Type C	\$85.00	\$5,950.00
18	480	53,000,000,000	6" PE Storm Sewer Service Lateral	\$15.00	\$7,200.00
19	6	775-00769010-01-01-01-1	Precast Manhole, Under 8'	\$2,000.00	\$12,000.00
20	19		ODOT Catch Basin Type 3A	\$2,200.00	\$41,800.00
21	1		Headwall Type HW-D	\$850.00	\$850.00
22	1	The state of the s	Detention Basin Outlet Structure		and the management and are
23	o		Granular Backfill (Accounted for in Conduit Cost)	\$2,500.00	\$2,500.00
24	11		Rock Channel Protection (Riprap)	\$25.00	\$0.00
25	LUMP		Detention Basin Embankment and Excavation	\$75.00	\$825.00
26	1500		Detention Basin Seeding and Mulching	\$25,000.00	\$25,000.00
	1300	3.1.	5	\$1.00	\$1,500.00
ĺ			Storm Sewer Subtotal:		\$207,085.00
			Roadway		
7	466		tem 203 Embankment	\$9.00	\$4,194.00
8	5426	C.Y.	tem 203 Excavation	\$4.00	\$21,704.00
9	5132	S.Y.	tem 203.13 Compacted Subgrade	\$2.00	\$10,264.00
0	571	C.Y.	tem 301 4" Bituminous Aggregate Base	\$120.00	\$68,520.00
1	856		tem 304 6" Aggregate Base	\$40.00	\$34,240.00
2	2053		tem 407 Tack Coat (@ 0.4 Gal./S.Y.)	\$2.00	\$4,106.00
3	2053		tem 408 Prime Coat (@ 0.4 Gal./S.Y.)	\$3.50	\$7,185.50
4	214		tern 448 1.5" Asphalt Concrete	\$135.00	\$28,890.00
5	3148	100000000000000000000000000000000000000	tem 605 4" Unclassified Pipe Underdrain	\$12.00	\$37,776.00
6	50	5000 S000 UV	Guardrail, Type 5	\$12.50	\$625.00
7	332		tem 608 Curb Ramp	\$12.00	\$3,984.00
3	60		rem 608 Detectable Warning	\$22.50	\$1,350.00
9	0		em 608 4' Sidewalk (Responsibility of Homeowner)	\$4.00	\$0.00
0	3148		em 609 Massillon Standard Curb and Gutter	\$16.00	\$50,368.00
1	1924	1270 CONTROL OF THE PARTY OF TH	em 659 Seeding and Mulching		
			fonument Assembly	\$1.00	\$1,924.00
		-/1011	Roadway Subtotal:	\$525.00	\$3,150.00 \$278,280.50
+		+			
			Phase 4A Subtotal:		\$707,720.50

West Brook Estates Phase 4B Opinion of Probable Construction Cost 12/30/2015

Item No.	Estimate		Di.	T	
NO.	Quantity	Units	Description	Unit Cost	Total Amour
	1		Water		
1	989	L.F.	8" Class 52 DIP (Polyethylene wrap)	\$80.00	\$79,120.00
2	467	L.F.	2" HDPE SDR 9 PE 3408	\$25.00	\$11,675.00
3	2	EACH	EST SECTION OF THE CONTRACTOR	\$3,000.00	\$6,000.00
4	1	EACH		\$350.00	\$350.00
5	2	EACH	2" Blow-Off Assembly	\$250.00	\$500.00
6	4	EACH	8" Gate Valve w/ Valve Box	\$1,250.00	\$5,000.00
7	21	EACH	8" Service Saddle - 3/4" Tapered Thread	\$80.00	\$1,680.00
8	21	EACH	3/4" Corporation Stop	\$350.00	\$7,350.00
9	23	EACH	3/4" Curb Stop & Box	\$275.00	\$6,325.00
10	338	L.F.	3/4" Type K Copper Service Line	\$25.00	\$8,450.00
11	0	C.Y.	Granular Backfill (Accounted for in Conduit Cost)	\$25.00	\$0.00
			Water Subtotal:		\$126,450.00
		1	Sanitary Sewer		
12	501	L.F.	8" PVC Gravity Sewer, Type B	\$30.00	\$15,030.00
13	779	L.F.	6" PVC Sewer Service Lateral, Type B	\$20.00	\$15,580.00
14	4		Precast Manhole, 8' to 12'	\$2,400.00	\$9,600.00
15	1	EACH		\$3,600.00	\$3,600.00
16	1	EACH		\$1,250.00	\$1,250.00
17 18	1	EACH C.Y.	,	\$1,000.00	\$1,000.00
10	U	C.Y.	Granular Backfill (Accounted for in Conduit Cost)	\$25.00	\$0.00
			Sanitary Sewer Subtotal:		\$46,060.00
			Storm Sewer		
19	508	L.F.	12" HDPE N-12 Storm Sewer, Type B	\$45.00	\$22,860.00
20	30	L.F.	15" HDPE N-12 Storm Sewer, Type B	\$55.00	\$1,650.00
21	118	L.F.	18" HDPE N-12 Storm Sewer, Type B	\$65.00	\$7,670.00
22	490		24" HDPE N-12 Storm Sewer, Type B	\$75.00	\$36,750.00
23	35		30" HDPE N-12 Storm Sewer, Type B	\$95.00	\$3,325.00
24	35		30" HDPE N-12 Storm Sewer, Type C	\$85.00	\$2,975.00
25	150		36" HDPE N-12 Storm Sewer, Type B	\$120.00	\$18,000.00
26	175	L.F.	6" PE Storm Sewer Service Lateral	\$15.00	\$2,625.00
27	1	EACH	Precast Manhole, Under 8'	\$2,000.00	\$2,000.00
28	3	EACH	Precast Manhole, 8' to 12'	\$2,400.00	\$7,200.00
29	10	EACH	ODOT Catch Basin Type 3A	\$2,200.00	\$22,000.00
29	1	EACH	Headwall, Type HW-D	\$850.00	\$850.00
30	2		Headwall, Type 1.1	\$8,500.00	\$17,000.00
30	1		Detention Basin Outlet Structure	\$2,500.00	\$2,500.00
31	0		Granular Backfill (Accounted for in Conduit Cost)	\$25.00	\$0.00
32	22	100000000000000000000000000000000000000	Rock Channel Protection (Riprap)	\$75.00	\$1,650.00
33	Lump		Detention Basin Embankment and Excavation	\$25,000.00	\$25,000.00
34	2000	S.Y.	Detention Basin Seeding and Mulching	\$1.00	\$2,000.00
			Storm Sewer Subtotal:		\$176,055.00
			Roadway		
35	2753	1	Item 203 Embankment	20.00	¢04 777 00
36	6293		Item 203 Excavation	\$9.00	\$24,777.00
37	4564		tem 203.13 Compacted Subgrade	\$4.00	\$25,172.00
38	508		tem 301 4" Bituminous Aggregate Base	\$2.00 \$120.00	\$9,128.00
39	761		tem 304 6" Aggregate Base	\$40.00	\$60,960.00
40	1826		tem 407 Tack Coat (@ 0.4 Gal./S.Y.)	\$2.00	\$30,440.00 \$3,652.00
41	1826		tem 408 Prime Coat (@ 0.4 Gal./S.Y.)	\$3.50	\$6,391.00
42	191		tem 448 1.5" Asphalt Concrete	\$135.00	\$25,785.00
43	2517		tem 605 4" Unclassified Pipe Underdrain	\$12.00	\$30,204.00
44	221		tem 608 Curb Ramp	\$12.00	\$2,652.00
45	40		tem 608 Detectable Warning	\$22.50	\$900.00
46	0		tem 608 4' Sidewalk (Responsibility of Homeowner)	\$4.00	\$0.00
47	2517		tem 609 Massillon Standard Curb and Gutter	\$16.00	\$40,272.00
18	1539		tem 659 Seeding and Mulching	\$1.00	\$1,539.00
49			Monument Assembly	\$525.00	\$6,300.00
			Roadway Subtotal:		\$268,172.00
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			Phase 4B Subtotal:		\$616,737.00