PREMIUM ESTIMATING LLC
Construction Cost Estimating • Quantity Takeoffs
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(850) 343-4090

GENERAL SUMMARY

Sitework, Paving & Site Utilities estimate · sample

Project: Microsoft Data Center
Building: Industrial - Data Center Campus
Scope: Divisions 31-33 - Earthwork, paving, fencing, storm / water / sewer utilities
Estimate No.: PE-SAMPLE-SITEWORK
Prepared by: Darren Wood, Senior Estimator

DIVISION	DESCRIPTION	TOTAL COST	% OF TOTAL
01 00 00	General Requirements	$263,500	2.7%
31 00 00	Earthwork	$79,238	0.8%
32 00 00	Exterior Improvements	$6,396,005	66.0%
33 00 00	Utilities	$2,948,206	30.4%
	TOTAL TRADE COST	**$9,686,950**	**100.0%**
	Contingencies & Insurance	$484,347	5.0%
	Overhead & Profit	$3,874,780	40.0%
	TOTAL BASE BID	**$14,046,077**	

Detailed line items, quantities, labor hours and unit pricing are on the 'Estimate' tab.
Sample estimate: project address, dates and client details removed for confidentiality.

Sample estimate – Sitework, Paving & Site Utilities estimate. For format reference only. © Premium Estimating LLC – premiumestimatings.com – (850) 343-4090. Not for

SITEWORK, PAVING & SITE UTILITIES ESTIMATE

Sample estimate · Industrial - Data Center Campus · Quantity takeoff with labor & material pricing

Project:	Microsoft Data Center	**Estimate No.:**	PE-SAMPLE-SITEWORK
Building:	Industrial - Data Center Campus	**Prepared by:**	Darren Wood, Senior Estimator
Scope:	Divisions 31-33 - Earthwork, paving, fencing, storm / water / sewer utilities	**Trade:**	Sitework, Paving & Site Utilities

S#	Dwg.	CSI	DESCRIPTION / SPECIFICATION	QTY.	WASTE	QTY W/ WASTE	UNIT	UNIT LABOR HR	TOTAL LABOR HR	LABOR RATE /HR	UNIT LABOR COST	TOTAL LABOR COST	UNIT MAT. COST	TOTAL MAT. COST	UNIT PRICE (L+M)	TOTAL
DIVISION 01 – GENERAL REQUIREMENTS																
1		01 00 00	Permits	1.00	0%	1.00	LS	0.000	0.00	$50.00	$0.00	-	$4,000.00	$4,000.00	$4,000.00	$4,000.00
2		01 00 00	Supervision and Coordination	1.00	0%	1.00	LS	3200.000	3,200.00	$50.00	$160,000.00	$160,000.00	$0.00	-	$160,000.00	$160,000.00
3		01 00 00	Submittals and Shop drawings	1.00	0%	1.00	LS	0.000	0.00	$50.00	$0.00	-	$4,000.00	$4,000.00	$4,000.00	$4,000.00
4		01 00 00	Final Cleaning	1.00	0%	1.00	LS	320.000	320.00	$50.00	$16,000.00	$16,000.00	$0.00	-	$16,000.00	$16,000.00
5		01 00 00	Mobilization Costs	1.00	0%	1.00	LS	420.000	420.00	$50.00	$21,000.00	$21,000.00	$0.00	-	$21,000.00	$21,000.00
6		01 00 00	Temporary Control & Facilities	1.00	0%	1.00	LS	0.000	0.00	$50.00	$0.00	-	$26,000.00	$26,000.00	$26,000.00	$26,000.00
7		01 00 00	Scaffolding	1.00	0%	1.00	LS	0.000	0.00	$50.00	$0.00	-	$32,500.00	$32,500.00	$32,500.00	$32,500.00
			SUBTOTAL – DIVISION 01 – GENERAL REQUIREMENTS						**3,940.0**			**$197,000**		**$66,500**		**$263,500**
DIVISION 31 – EARTHWORK																
			Trenching													
8		31 00 00	Cut	17,444.00	5%	18,316.20	CY	0.055	1,007.39	$42.00	$2.31	$42,310.42	$0.00	-	$2.31	$42,310.42
9		31 00 00	Fill	13,956.00	5%	14,653.80	CY	0.060	879.23	$42.00	$2.52	$36,927.58	$0.00	-	$2.52	$36,927.58
			SUBTOTAL – DIVISION 31 – EARTHWORK						**1,886.6**			**$79,238**		**$0**		**$79,238**
DIVISION 32 – EXTERIOR IMPROVEMENTS																
			EXTERIOR IMPROVEMENTS													
			Pavements													
10		32 00 00	G: Light Duty Asphalt Pavement 4-C-F-06 -2" Asphalt Conc Surface -8" Aggregate Base -Geotextile Fabric -Compacted Subgrade	83,706.00	5%	87,891.30	SF	0.035	3,076.20	$42.00	$1.47	$129,200.21	$2.50	$219,728.25	$3.97	$348,928.46
11		32 00 00	F: Heavy Duty Asphalt Pavement 3-C-F-06 -2" Asphalt Conc Surface -3" Asphalt Conc Base -10" Aggregate Base -Geotextile Fabric -Compacted Subgrade	317,547.00	5%	333,424.35	SF	0.038	12,670.13	$42.00	$1.60	$532,145.26	$2.86	$951,926.52	$4.45	$1,484,071.78
12		32 00 00	E: 8" Heavy Duty Concrete Pavement -6" Aggregate Base -Geotextile Fabric -Compacted Subgrade	26,297.00	5%	27,611.85	SF	0.040	1,104.47	$42.00	$1.68	$46,387.91	$3.52	$97,193.71	$5.20	$143,581.62
13		32 00 00	A: Transition to Existing Pavement or Road	211.00	5%	221.55	LF	0.010	2.22	$42.00	$0.42	$93.05	$1.01	$223.77	$1.43	$316.82
14		32 00 00	H: Asphalt-Concrete Joint Pavement Transition	139.00	5%	145.95	LF	0.012	1.75	$42.00	$0.50	$73.56	$1.50	$218.93	$2.00	$292.48
15		32 00 00	D: Edge Of Pavement	77.00	5%	80.85	LF	0.020	1.62	$42.00	$0.84	$67.91	$3.20	$258.72	$4.04	$326.63
			Sidewalk													
16		32 00 00	I: 6" Concrete Sidewalk 7-C-F-06 -3500 pse -2" Aggregate Base -Compacted Subgrade	223,629.00	5%	234,810.45	SF	0.030	7,044.31	$42.00	$1.26	$295,861.17	$2.50	$587,026.13	$3.76	$882,887.29
17		32 00 00	K: Sidewalk Ramp	886.00	5%	930.30	SF	0.042	39.07	$42.00	$1.76	$1,641.05	$8.50	$7,907.55	$10.26	$9,548.60
			Gravel													
18		32 00 00	L: 6" Gravel (Light Duty) 6-C-F-06 -6" Aggregate Surface -Geotextile Fabric -Compacted Subgrade	62,703.00	5%	65,838.15	SF	0.025	1,645.95	$42.00	$1.05	$69,130.06	$2.80	$184,346.82	$3.85	$253,476.88

Sample estimate – Sitework, Paving & Site Utilities estimate. For format reference only. © Premium Estimating LLC – premiumestimatings.com – (850) 343-4090. Not for reuse or resale.

S#	Dwg.	CSI	DESCRIPTION / SPECIFICATION	QTY.	WASTE	QTY W/ WASTE	UNIT	UNIT LABOR HR	TOTAL LABOR HR	LABOR RATE /HR	UNIT LABOR COST	TOTAL LABOR COST	UNIT MAT. COST	TOTAL MAT. COST	UNIT PRICE (L+M)	TOTAL
19		32 00 00	J: Gravel Surfacing Utility Yard 7-C-F-07 -1.5"-3" Ballast Stone -Filter Fabric -Compacted Subgrade	144,095.00	5%	151,299.75	SF	0.030	4,538.99	$42.00	$1.26	$190,637.69	$3.00	$453,899.25	$4.26	$644,536.94
			Wall													
20		32 00 00	10' Acoustic Wall	3,568.00	5%	3,746.40	LF	0.045	168.59	$42.00	$1.89	$7,080.70	$3.20	$11,988.48	$5.09	$19,069.18
			Fencing													
21		32 00 00	F1: Palisade Fence, Black, K4 Rated	3,076.00	5%	3,229.80	LF	0.030	96.89	$42.00	$1.26	$4,069.55	$14.20	$45,863.16	$15.46	$49,932.71
22		32 00 00	F2: 6' Chain Link Fence, Galvanized, No Barbed Wire 1-C-F-07	3,017.00	5%	3,167.85	LF	0.140	443.50	$42.00	$5.88	$18,626.96	$18.80	$59,555.58	$24.68	$78,182.54
23		32 00 00	F3: 8' Chain Link Fence, Black Vinyl,Barbed Wire Outrigger	4,274.00	5%	4,487.70	LF	0.160	718.03	$42.00	$6.72	$30,157.34	$20.02	$89,843.75	$26.74	$120,001.10
24		32 00 00	F4: 8' Ornamental Palisade, Black, Non Rated	2,118.00	5%	2,223.90	LF	0.018	38.92	$42.00	$0.74	$1,634.57	$4.20	$9,340.38	$4.94	$10,974.95
25		32 00 00	F5: 6' Chain Link Fence, Black Vinyl,	3,405.00	5%	3,575.25	LF	0.140	500.54	$42.00	$5.88	$21,022.47	$18.80	$67,214.70	$24.68	$88,237.17
26		32 00 00	F6: K-4 Rate Barrier Arm	100.00	5%	105.00	LF	0.050	5.25	$42.00	$2.10	$220.50	$3.20	$336.00	$5.30	$556.50
27		32 00 00	F7: Pedestrian Access Gate	3.00	0%	3.00	EA	2.000	6.00	$42.00	$84.00	$252.00	$240.00	$720.00	$324.00	$972.00
28		32 00 00	F8: Double Swing Gate 6-C-F-07	7.00	0%	7.00	EA	4.000	28.00	$42.00	$168.00	$1,176.00	$700.00	$4,900.00	$868.00	$6,076.00
29		32 00 00	R/W	2,367.00	5%	2,485.35	LF	0.010	24.85	$42.00	$0.42	$1,043.85	$3.00	$7,456.05	$3.42	$8,499.90
30		32 00 00	Transition From Ornamental Fence to Chainlink	2.00	0%	2.00	EA	3.000	6.00	$42.00	$126.00	$252.00	$160.00	$320.00	$286.00	$572.00
31		32 00 00	Transition From K Rated To Ornamental Fence	2.00	0%	2.00	EA	4.000	8.00	$42.00	$168.00	$336.00	$300.00	$600.00	$468.00	$936.00
32		32 00 00	Transition From 6' to8' Fencing	1.00	0%	1.00	EA	2.500	2.50	$42.00	$105.00	$105.00	$120.00	$120.00	$225.00	$225.00
			Curb and Gutters													
33		32 00 00	B: 6" Standard Concrete Curb 2-C-F-06 -3500 psi	14,018.00	5%	14,718.90	LF	0.045	662.35	$42.00	$1.89	$27,818.72	$6.20	$91,257.18	$8.09	$119,075.90
34		32 00 00	C: Standard Curb and Gutter 5-C-F-08 -3500 psi	9,613.00	5%	10,093.65	LF	0.085	857.96	$42.00	$3.57	$36,034.33	$8.50	$85,796.03	$12.07	$121,830.36
35		32 00 00	X: Curb Transition 13-C--06	779.00	5%	817.95	LF	0.010	8.18	$42.00	$0.42	$343.54	$1.01	$826.13	$1.43	$1,169.67
36		32 00 00	Z: Flush Curb 14 C-F-06	1,303.00	5%	1,368.15	LF	0.035	47.89	$42.00	$1.47	$2,011.18	$6.50	$8,892.98	$7.97	$10,904.16
37		32 00 00	N: Rolled Curb	10.00	5%	10.50	LF	0.032	0.34	$42.00	$1.34	$14.11	$8.50	$89.25	$9.84	$103.36
			Painting													
38		32 00 00	P1: 4" Wide Painted Strip, White Double Coat Stripe.	3,950.00	5%	4,147.50	LF	0.012	49.77	$42.00	$0.50	$2,090.34	$1.01	$4,197.27	$1.52	$6,287.61
39		32 00 00	P3: Stop Bar	301.00	5%	316.05	LF	0.014	4.49	$42.00	$0.60	$188.49	$1.52	$480.40	$2.12	$668.89
40		32 00 00	P10: 4" Wide Painted Strip,	4,415.00	5%	4,635.75	LF	0.018	83.44	$42.00	$0.76	$3,504.63	$1.65	$7,648.99	$2.41	$11,153.61
41		32 00 00	P5: Security Vehicle Sign	2.00	0%	2.00	EA	0.800	1.60	$42.00	$33.60	$67.20	$80.08	$160.16	$113.68	$227.36
42		32 00 00	P6: Electric Vehicle Parking Sign	8.00	0%	8.00	EA	0.900	7.20	$42.00	$37.80	$302.40	$90.00	$720.00	$127.80	$1,022.40
43		32 00 00	Painted Arrow	21.00	0%	21.00	EA	0.750	15.75	$42.00	$31.50	$661.50	$60.00	$1,260.00	$91.50	$1,921.50
			Railing													
44		32 00 00	R: Guard Rail	1,050.00	5%	1,102.50	LF	0.250	275.63	$42.00	$10.50	$11,576.25	$65.05	$71,717.63	$75.55	$83,293.88
			Bollards													
45		32 00 00	M: Bollard 11-C-F-06	356.00	0%	356.00	EA	2.500	890.00	$42.00	$105.00	$37,380.00	$200.00	$71,200.00	$305.00	$108,580.00
			Signage and Wheel Stops													
46		32 00 00	ADA Sign	6.00	0%	6.00	EA	0.400	2.40	$42.00	$16.80	$100.80	$50.00	$300.00	$66.80	$400.80
47		32 00 00	V: Wheel Stop	14.00	0%	14.00	EA	0.600	8.40	$42.00	$25.20	$352.80	$60.00	$840.00	$85.20	$1,192.80
48		32 00 00	Sign	18.00	0%	18.00	EA	0.380	6.84	$42.00	$15.96	$287.28	$40.00	$720.00	$55.96	$1,007.28
			Misc													
49		32 00 00	FOH/BOH Sliding Gate (2-C-F-12.2)	2.00	0%	2.00	EA	10.000	20.00	$42.00	$420.00	$840.00	$5,500.00	$11,000.00	$5,920.00	$11,840.00
50		32 00 00	OA Weather Station	1.00	0%	1.00	EA	4.000	4.00	$42.00	$168.00	$168.00	$2,000.00	$2,000.00	$2,168.00	$2,168.00
			LANDSCAPE													
			TREES													
51		32 00 00	ARBUTUS XALAPENSIS TEXAS MADRONE , AX	28.00	0%	28.00	EA	1.800	50.40	$42.00	$75.60	$2,116.80	$450.00	$12,600.00	$525.60	$14,716.80
52		32 00 00	CERCIS CANADENSIS TEXENSIS TEXAS REDBUD , CC	63.00	0%	63.00	EA	1.200	75.60	$42.00	$50.40	$3,175.20	$250.00	$15,750.00	$300.40	$18,925.20
53		32 00 00	CHILOPSIS LINEARIS DESERT WILLOW , CL	28.00	0%	28.00	EA	1.000	28.00	$42.00	$42.00	$1,176.00	$200.00	$5,600.00	$242.00	$6,776.00
54		32 00 00	CELTIS OCCIDENTALIS COMMON HACKBERRY , CO	22.00	0%	22.00	EA	1.800	39.60	$42.00	$75.60	$1,663.20	$350.00	$7,700.00	$425.60	$9,363.20
55		32 00 00	DIOSPYROS TEXANA TEXAS PERSIMMON , DT	100.00	0%	100.00	EA	2.000	200.00	$42.00	$84.00	$8,400.00	$300.00	$30,000.00	$384.00	$38,400.00
56		32 00 00	EHRETIA ANACUA KNOCKAWAY , EA	40.00	0%	40.00	EA	1.500	60.00	$42.00	$63.00	$2,520.00	$280.00	$11,200.00	$343.00	$13,720.00

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57		32 00 00	LEUCAENA RETUSAN GOLDEN LEADTREE , LR	19.00	0%	19.00	EA	1.200	22.80	$42.00	$50.40	$957.60	$220.00	$4,180.00	$270.40	$5,137.60
58		32 00 00	PLATANUS MEXICANA MEXICANA SYCAMORE , PM	28.00	0%	28.00	EA	2.500	70.00	$42.00	$105.00	$2,940.00	$700.00	$19,600.00	$805.00	$22,540.00
59		32 00 00	PRUNUS SEROTINA BLACK CHERRY , PS	21.00	0%	21.00	EA	2.000	42.00	$42.00	$84.00	$1,764.00	$350.00	$7,350.00	$434.00	$9,114.00
60		32 00 00	QUERCUS MUEHLE NBERGII CHINKAPIN OAK , QM	10.00	0%	10.00	EA	3.000	30.00	$42.00	$126.00	$1,260.00	$900.00	$9,000.00	$1,026.00	$10,260.00
61		32 00 00	QUERCUS VIRCIN IA SOUTHERN LIVE OAK , QV	22.00	0%	22.00	EA	3.000	66.00	$42.00	$126.00	$2,772.00	$900.00	$19,800.00	$1,026.00	$22,572.00
62		32 00 00	RHUS LANCEOLA PRAIRIE SUMAC , RL	62.00	0%	62.00	EA	1.200	74.40	$42.00	$50.40	$3,124.80	$220.00	$13,640.00	$270.40	$16,764.80
63		32 00 00	SOPHORA SECUNDIFLORA TEXAS MOUNTAIN LAUREL , SS	30.00	0%	30.00	EA	1.500	45.00	$42.00	$63.00	$1,890.00	$300.00	$9,000.00	$363.00	$10,890.00
64		32 00 00	UNGNADIA SPECIOSA MEXICAN BUCKEYE , US	31.00	0%	31.00	EA	1.500	46.50	$42.00	$63.00	$1,953.00	$300.00	$9,300.00	$363.00	$11,253.00
65		32 00 00	YUCCA THOMPSONIANA THOMPSONS YUCCA , YT	10.00	0%	10.00	EA	0.800	8.00	$42.00	$33.60	$336.00	$120.00	$1,200.00	$153.60	$1,536.00
			SHRUBS													
66		32 00 00	CERCOCARPUS MONTANUS ALDERLEAF MOUNTAIN MAHOGANY , CM	94.00	0%	94.00	EA	0.800	75.20	$42.00	$33.60	$3,158.40	$75.00	$7,050.00	$108.60	$10,208.40
67		32 00 00	ILEX VOMITORIA YAUPON HOLLY , IV	74.00	0%	74.00	EA	0.700	51.80	$42.00	$29.40	$2,175.60	$60.00	$4,440.00	$89.40	$6,615.60
68		32 00 00	KOEBERLINIA SPINOS CROWN OF THORNS , KS	95.00	0%	95.00	EA	0.600	57.00	$42.00	$25.20	$2,394.00	$50.00	$4,750.00	$75.20	$7,144.00
69		32 00 00	LECOPHYLLUM FRUTESCENS TEXAS SAGE , LF	102.00	0%	102.00	EA	0.500	51.00	$42.00	$21.00	$2,142.00	$45.00	$4,590.00	$66.00	$6,732.00
70		32 00 00	O MUHLENBERGIA CAPILLARIS GULF COAST GULF COAST MUHLY GRASS , MC	140.00	0%	140.00	EA	0.250	35.00	$42.00	$10.50	$1,470.00	$18.00	$2,520.00	$28.50	$3,990.00
71		32 00 00	OPUNTIA ENGELMANNII LINDHEIMERI TEXAS PRICKLY PEAR , OE	200.00	0%	200.00	EA	0.200	40.00	$42.00	$8.40	$1,680.00	$25.00	$5,000.00	$33.40	$6,680.00
72		32 00 00	RHUS MICROPHYLLA LITTLELEAF SUMAC , RM	171.00	0%	171.00	EA	0.600	102.60	$42.00	$25.20	$4,309.20	$55.00	$9,405.00	$80.20	$13,714.20
73		32 00 00	RHUS VIRENS EVERGREEN SAGE , RV	126.00	0%	126.00	EA	0.600	75.60	$42.00	$25.20	$3,175.20	$55.00	$6,930.00	$80.20	$10,105.20
74		32 00 00	VIBURNUM RUFIDULUM SOUTHERN RUSTY BLACKHAW , VR	62.00	0%	62.00	EA	0.800	49.60	$42.00	$33.60	$2,083.20	$80.00	$4,960.00	$113.60	$7,043.20
75		32 00 00	YUCCA TORREYI TORRYS YUCCA , YT	150.00	0%	150.00	EA	0.300	45.00	$42.00	$12.60	$1,890.00	$30.00	$4,500.00	$42.60	$6,390.00
			GROUND COVER													
76		32 00 00	CAREX PLANOSTACHYS CEDER SEDGE	5,667.00	5%	5,950.35	SF	0.002	8.93	$42.00	$0.06	$374.87	$0.90	$5,355.32	$0.96	$5,730.19
77		32 00 00	BOUTELOUA GRACILIS BLUE GRAMA GRASS	46,460.00	5%	48,783.00	SF	0.001	39.03	$42.00	$0.03	$1,639.11	$0.25	$12,195.75	$0.28	$13,834.86
78		32 00 00	SCHIZACHYRIUM SCOPARIUM LITTLE BLUESTEM	8,792.00	5%	9,231.60	SF	0.001	7.39	$42.00	$0.03	$310.18	$0.30	$2,769.48	$0.33	$3,079.66
79		32 00 00	PRAIRIE WILDFLOWER SEED MIX	1,580,694.00	5%	1,659,728.70	SF	0.000	663.89	$42.00	$0.02	$27,883.44	$0.10	$165,972.87	$0.12	$193,856.31
80		32 00 00	MOWED / MANICURED GRASS	250,648.00	5%	263,180.40	SF	0.002	526.36	$42.00	$0.08	$22,107.15	$1.50	$394,770.60	$1.58	$416,877.75
81		32 00 00	DAM SLOPE SEED MIX	83,315.00	5%	87,480.75	SF	0.001	52.49	$42.00	$0.03	$2,204.51	$0.20	$17,496.15	$0.23	$19,700.66
82		32 00 00	DRAINAGE SEED MIX	138,343.00	5%	145,260.15	SF	0.001	87.16	$42.00	$0.03	$3,660.56	$0.20	$29,052.03	$0.23	$32,712.59
83		32 00 00	ROCK MULCH (2383 SY)	21,447.00	5%	22,519.35	SF	0.001	22.52	$42.00	$0.04	$945.81	$2.50	$56,298.38	$2.54	$57,244.19
84		32 00 00	RIPRAP (5824 SY)	52,416.00	5%	55,036.80	SF	0.003	137.59	$42.00	$0.11	$5,778.86	$12.00	$660,441.60	$12.11	$666,220.46
85		32 00 00	DECOMPOSED GRANITE (944 SY)	8,496.00	5%	8,920.80	SF	0.001	7.14	$42.00	$0.03	$299.74	$1.20	$10,704.96	$1.23	$11,004.70
			IRRIGATION													
86		32 00 00	2" Mainline	2,636.00	5%	2,767.80	LF	0.120	332.14	$42.00	$5.04	$13,949.71	$7.50	$20,758.50	$12.54	$34,708.21
87		32 00 00	Irrigation Sleeve	375.00	5%	393.75	LF	0.080	31.50	$42.00	$3.36	$1,323.00	$5.00	$1,968.75	$8.36	$3,291.75
88		32 00 00	Point Of Connection	3.00	0%	3.00	EA	4.000	12.00	$42.00	$168.00	$504.00	$850.00	$2,550.00	$1,018.00	$3,054.00
89		32 00 00	Backflow Preventer In Protective Enclosure	3.00	0%	3.00	EA	6.000	18.00	$42.00	$252.00	$756.00	$1,200.00	$3,600.00	$1,452.00	$4,356.00
90		32 00 00	Flush Valve	8.00	0%	8.00	EA	0.750	6.00	$42.00	$31.50	$252.00	$85.00	$680.00	$116.50	$932.00
91		32 00 00	Quick Coupler in Plastic Wall Box	17.00	0%	17.00	EA	1.000	17.00	$42.00	$42.00	$714.00	$125.00	$2,125.00	$167.00	$2,839.00
92		32 00 00	Manual Gate Valve In Wall Box	4.00	0%	4.00	EA	1.200	4.80	$42.00	$50.40	$201.60	$180.00	$720.00	$230.40	$921.60
			SUBTOTAL – DIVISION 32 – EXTERIOR IMPROVEMENTS						**38,533.0**			**$1,618,387**		**$4,777,618**		**$6,396,005**

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S#	Dwg.	CSI	DESCRIPTION / SPECIFICATION	QTY.	WASTE	QTY W/ WASTE	UNIT	UNIT LABOR HR	TOTAL LABOR HR	LABOR RATE /HR	UNIT LABOR COST	TOTAL LABOR COST	UNIT MAT. COST	TOTAL MAT. COST	UNIT PRICE (L+M)	TOTAL
DIVISION 33 – UTILITIES																
			UTILITIES													
			Storm Pipes and Fixtures													
93		33 00 00	36" HDPE Storm Pipe	1,650.00	5%	1,732.50	LF	0.520	900.90	$52.50	$27.30	$47,297.25	$36.05	$62,458.36	$63.35	$109,755.61
94		33 00 00	30" HDPE Storm Pipe	907.00	5%	952.35	LF	0.500	476.18	$52.50	$26.25	$24,999.19	$31.02	$29,541.90	$57.27	$54,541.08
95		33 00 00	24" HDPE Storm Pipe	1,478.00	5%	1,551.90	LF	0.425	659.56	$52.50	$22.31	$34,626.77	$23.05	$35,774.40	$45.36	$70,401.17
96		33 00 00	18" HDPE Storm Pipe	3,217.00	5%	3,377.85	LF	0.382	1,290.34	$52.50	$20.06	$67,742.78	$17.80	$60,125.73	$37.86	$127,868.51
97		33 00 00	12" HDPE Storm Pipe	114.00	5%	119.70	LF	0.350	41.90	$52.50	$18.38	$2,199.49	$13.50	$1,615.95	$31.88	$3,815.44
98		33 00 00	10" HDPE Storm Pipe	277.00	5%	290.85	LF	0.320	93.07	$52.50	$16.80	$4,886.28	$10.02	$2,914.32	$26.82	$7,800.60
99		33 00 00	8" HDPE Storm Pipe	7,086.00	5%	7,440.30	LF	0.100	744.03	$52.50	$5.25	$39,061.58	$8.20	$61,010.46	$13.45	$100,072.04
100		33 00 00	6" HDPE Storm Pipe	75.00	5%	78.75	LF	0.098	7.72	$52.50	$5.15	$405.17	$6.20	$488.25	$11.35	$893.42
101		33 00 00	4" HDPE Storm Pipe	2,361.00	5%	2,479.05	LF	0.021	52.06	$52.50	$1.10	$2,733.15	$4.20	$10,412.01	$5.30	$13,145.16
102		33 00 00	3" HDPE Storm Pipe	149.00	5%	156.45	LF	0.018	2.82	$52.50	$0.95	$147.85	$3.10	$485.00	$4.05	$632.84
103		33 00 00	Trench Drain	48.00	5%	50.40	LF	0.085	4.28	$52.50	$4.46	$224.91	$54.02	$2,722.61	$58.48	$2,947.52
104		33 00 00	Riprap Outlet Protection	4,100.00	5%	4,305.00	SF	0.035	150.68	$52.50	$1.84	$7,910.44	$3.20	$13,776.00	$5.04	$21,686.44
105		33 00 00	Pipe outfall Endwall Per TXDOT Standard CH-FW-0	2.00	0%	2.00	EA	24.000	48.00	$52.50	$1,260.00	$2,520.00	$6,500.00	$13,000.00	$7,760.00	$15,520.00
106		33 00 00	Storm Sewer Manhole	72.00	0%	72.00	EA	30.000	2,160.00	$52.50	$1,575.00	$113,400.00	$7,800.00	$561,600.00	$9,375.00	$675,000.00
107		33 00 00	24" Nyloplast Drain Basin With Solid Lid	20.00	0%	20.00	EA	12.000	240.00	$52.50	$630.00	$12,600.00	$1,600.00	$32,000.00	$2,230.00	$44,600.00
108		33 00 00	Storm Cleanout	111.00	0%	111.00	EA	4.000	444.00	$52.50	$210.00	$23,310.00	$450.00	$49,950.00	$660.00	$73,260.00
			Water Pipes and Fixtures													
109		33 00 00	12" DIP Fire Water Pipe	9,108.00	5%	9,563.40	LF	0.425	4,064.45	$52.50	$22.31	$213,383.36	$48.05	$459,521.37	$70.36	$672,904.73
110		33 00 00	8" DIP Fire Water Pipe	1,027.00	5%	1,078.35	LF	0.325	350.46	$52.50	$17.06	$18,399.35	$32.00	$34,507.20	$49.06	$52,906.55
111		33 00 00	6" DIP Fire Water Pipe	602.00	5%	632.10	LF	0.220	139.06	$52.50	$11.55	$7,300.76	$23.05	$14,569.91	$34.60	$21,870.66
112		33 00 00	6" DIP Water Pipe	2,734.00	5%	2,870.70	LF	0.220	631.55	$52.50	$11.55	$33,156.59	$23.05	$66,169.64	$34.60	$99,326.22
113		33 00 00	4" DIP Water Pipe	13.00	5%	13.65	LF	0.150	2.05	$52.50	$7.88	$107.49	$16.05	$219.08	$23.93	$326.58
114		33 00 00	Fire Hydrant Assembly	32.00	0%	32.00	EA	12.000	384.00	$52.50	$630.00	$20,160.00	$4,800.00	$153,600.00	$5,430.00	$173,760.00
115		33 00 00	1: 12" 90 Degree Bend (RJ) Thrust Blocking	4.00	0%	4.00	EA	3.500	14.00	$52.50	$183.75	$735.00	$1,200.00	$4,800.00	$1,383.75	$5,535.00
116		33 00 00	2: 12" 45 Degree Bend Thrust Blocking	18.00	0%	18.00	EA	3.000	54.00	$52.50	$157.50	$2,835.00	$950.00	$17,100.00	$1,107.50	$19,935.00
117		33 00 00	3: 12"x12" Cross (FLXRJ) 12" Gate Valve (FLXRJ)	1.00	0%	1.00	EA	8.000	8.00	$52.50	$420.00	$420.00	$5,500.00	$5,500.00	$5,920.00	$5,920.00
118		33 00 00	4: 12"x6" Tee (FLXRJ) 6" Gate Valve (FLXRJ) Thrust Blocking	32.00	0%	32.00	EA	5.500	176.00	$52.50	$288.75	$9,240.00	$2,400.00	$76,800.00	$2,688.75	$86,040.00
119		33 00 00	5: 6" 90 Degree Bend Thrust Blocking	2.00	0%	2.00	EA	2.500	5.00	$52.50	$131.25	$262.50	$600.00	$1,200.00	$731.25	$1,462.50
120		33 00 00	6: 6"x6" Tee (FLXRJ) 6" Gate Valve (FLXRJ) Thrust Blocking	1.00	0%	1.00	EA	4.000	4.00	$52.50	$210.00	$210.00	$1,200.00	$1,200.00	$1,410.00	$1,410.00
121		33 00 00	7: 6"x6" Tee (FLXRJ) (3) 6" Gate Valve (FLXRJ) Thrust Blocking	1.00	0%	1.00	EA	6.500	6.50	$52.50	$341.25	$341.25	$3,200.00	$3,200.00	$3,541.25	$3,541.25
122		33 00 00	8: 12"x8" Tee (FLXRJ) 8" Gate Valve (FLXRJ) Thrust Blocking	8.00	0%	8.00	EA	6.000	48.00	$52.50	$315.00	$2,520.00	$3,000.00	$24,000.00	$3,315.00	$26,520.00
123		33 00 00	9: Plug Pipe 2" Corp Stop and Blowoff Deadman Blocking With Shackles	3.00	0%	3.00	EA	4.000	12.00	$52.50	$210.00	$630.00	$1,500.00	$4,500.00	$1,710.00	$5,130.00
124		33 00 00	10: Connect to Existing	3.00	0%	3.00	EA	10.000	30.00	$52.50	$525.00	$1,575.00	$3,500.00	$10,500.00	$4,025.00	$12,075.00
125		33 00 00	13: Vertical Bend	6.00	0%	6.00	EA	3.000	18.00	$52.50	$157.50	$945.00	$900.00	$5,400.00	$1,057.50	$6,345.00
126		33 00 00	14: 8" 45 Degree Bend Thrust Blocking	5.00	0%	5.00	EA	3.500	17.50	$52.50	$183.75	$918.75	$750.00	$3,750.00	$933.75	$4,668.75
127		33 00 00	15: 6"x4" Tee (FLXRJ) 4" Gate Valve (FLXRJ) Thrust Blocking	2.00	0%	2.00	EA	3.500	7.00	$52.50	$183.75	$367.50	$1,000.00	$2,000.00	$1,183.75	$2,367.50
128		33 00 00	16: 8"x6" Tee (FLXRJ) 12" Gate Valve (FLXRJ) Thrust Blocking	1.00	0%	1.00	EA	5.500	5.50	$52.50	$288.75	$288.75	$2,800.00	$2,800.00	$3,088.75	$3,088.75

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S#	Dwg.	CSI	DESCRIPTION / SPECIFICATION	QTY.	WASTE	QTY W/ WASTE	UNIT	UNIT LABOR HR	TOTAL LABOR HR	LABOR RATE /HR	UNIT LABOR COST	TOTAL LABOR COST	UNIT MAT. COST	TOTAL MAT. COST	UNIT PRICE (L+M)	TOTAL
129		33 00 00	17: 8"x6" Tee (FLXRJ) 6" Gate Valve (FLXRJ) Thrust Blocking	1.00	0%	1.00	EA	4.000	4.00	$52.50	$210.00	$210.00	$1,600.00	$1,600.00	$1,810.00	$1,810.00
130		33 00 00	18: Water Meter	1.00	0%	1.00	EA	8.000	8.00	$52.50	$420.00	$420.00	$4,000.00	$4,000.00	$4,420.00	$4,420.00
131		33 00 00	19: Fire Water Meter	1.00	0%	1.00	EA	10.000	10.00	$52.50	$525.00	$525.00	$5,500.00	$5,500.00	$6,025.00	$6,025.00
132		33 00 00	20: Double Check Valve	2.00	0%	2.00	EA	6.000	12.00	$52.50	$315.00	$630.00	$2,200.00	$4,400.00	$2,515.00	$5,030.00
133		33 00 00	22: 6" 45 Degree Bend Thrust Blocking	2.00	0%	2.00	EA	2.500	5.00	$52.50	$131.25	$262.50	$550.00	$1,100.00	$681.25	$1,362.50
134		33 00 00	21: 12"x2" Tee (FLXRJ) 12" Gate Valve (FLXRJ) Thrust Blocking	2.00	0%	2.00	EA	6.000	12.00	$52.50	$315.00	$630.00	$2,800.00	$5,600.00	$3,115.00	$6,230.00
135		33 00 00	24: 12" 11.25 Degree Bend Thrust Blocking	5.00	0%	5.00	EA	3.000	15.00	$52.50	$157.50	$787.50	$1,000.00	$5,000.00	$1,157.50	$5,787.50
			Sanitary Pipes and Fixtures													
136		33 00 00	4" PVC Sanitary Sewer Pipe	62.00	5%	65.10	LF	0.085	5.53	$52.50	$4.46	$290.51	$8.50	$553.35	$12.96	$843.86
137		33 00 00	6" PVC Sanitary Sewer Pipe	2,870.00	5%	3,013.50	LF	0.090	271.22	$52.50	$4.73	$14,238.79	$12.10	$36,463.35	$16.83	$50,702.14
138		33 00 00	8" PVC Sanitary Sewer Pipe	4,274.00	5%	4,487.70	LF	0.098	439.79	$52.50	$5.15	$23,089.22	$16.20	$72,700.74	$21.35	$95,789.96
139		33 00 00	10" PVC Sanitary Sewer Pipe	71.00	5%	74.55	LF	0.120	8.95	$52.50	$6.30	$469.67	$20.02	$1,492.49	$26.32	$1,962.16
140		33 00 00	12" PVC Sanitary Sewer Pipe	715.00	5%	750.75	LF	0.220	165.17	$52.50	$11.55	$8,671.16	$24.10	$18,093.08	$35.65	$26,764.24
141		33 00 00	2" SCH 80 PVC Force Main	1,729.00	5%	1,815.45	LF	0.052	94.40	$52.50	$2.73	$4,956.18	$4.20	$7,624.89	$6.93	$12,581.07
142		33 00 00	4" SDR 26 PVC Force Main	45.00	5%	47.25	LF	0.085	4.02	$52.50	$4.46	$210.85	$8.50	$401.63	$12.96	$612.48
143		33 00 00	4" Drainfield Sewer Pipes	283.00	5%	297.15	LF	0.085	25.26	$52.50	$4.46	$1,326.03	$8.50	$2,525.78	$12.96	$3,851.81
144		33 00 00	Drainfield	15,296.00	5%	16,060.80	SF	0.012	192.73	$52.50	$0.63	$10,118.30	$1.22	$19,594.18	$1.85	$29,712.48
145		33 00 00	Sanitary Sewer Manhole	23.00	0%	23.00	EA	12.200	280.60	$52.50	$640.50	$14,731.50	$2,200.00	$50,600.00	$2,840.50	$65,331.50
146		33 00 00	Sewer Point Of Connection	20.00	0%	20.00	EA	1.010	20.20	$52.50	$53.03	$1,060.50	$20.00	$400.00	$73.03	$1,460.50
147		33 00 00	Cap Sanitary Pipe	6.00	0%	6.00	EA	1.500	9.00	$52.50	$78.75	$472.50	$150.00	$900.00	$228.75	$1,372.50
148		33 00 00	(11'-9"x5'-4"x6"-3") Sewer Holding Tank (2000 Gallon)	1.00	0%	1.00	EA	45.000	45.00	$52.50	$2,362.50	$2,362.50	$18,000.00	$18,000.00	$20,362.50	$20,362.50
149		33 00 00	Drainfield Distribution Box	1.00	0%	1.00	EA	8.000	8.00	$52.50	$420.00	$420.00	$2,000.00	$2,000.00	$2,420.00	$2,420.00
150		33 00 00	Septic Tank (2500 Gallon)	2.00	0%	2.00	EA	20.200	40.40	$52.50	$1,060.50	$2,121.00	$5,300.00	$10,600.00	$6,360.50	$12,721.00
151		33 00 00	Proposed Control Panel	1.00	0%	1.00	EA	12.000	12.00	$52.50	$630.00	$630.00	$6,000.00	$6,000.00	$6,630.00	$6,630.00
152		33 00 00	Wet Well	1.00	0%	1.00	EA	60.000	60.00	$52.50	$3,150.00	$3,150.00	$22,000.00	$22,000.00	$25,150.00	$25,150.00
153		33 00 00	Simplex Grinder Pump Lift Station	1.00	0%	1.00	EA	80.000	80.00	$52.50	$4,200.00	$4,200.00	$28,000.00	$28,000.00	$32,200.00	$32,200.00
			CONTINGENCIES (5%)													
			OVERHEAD AND PROFIT (20%)													
			TAX (8.5%)													
			PERFORMANCE AND PAYMENT BONDS													
			SUBTOTAL – DIVISION 33 – UTILITIES						**15,120.9**			**$793,845**		**$2,154,362**		**$2,948,206**

Total Labor Hours	**59,480.5**
Total Labor Cost	**$2,688,470**
Total Material Cost	**$6,998,480**

TOTAL TRADE COST		**$9,686,950**
Contingencies & Insurance	5.0%	**$484,347**
Overhead & Profit	40.0%	**$3,874,780**
TOTAL BASE BID		**$14,046,077**

CLARIFICATIONS & EXCLUSIONS

1 Quantities are taken off from the construction drawings provided; pricing reflects local labor and material rates at the time of the estimate.

2 Unit labor hours are shown at the stated labor rate; material includes the waste allowance shown for each item.

3 Permits, utility company fees, testing and inspections are excluded unless listed above.

4 Sales tax and bonds are excluded unless listed above.

5 Work not shown in the drawings or not listed in this estimate is excluded.

6 SAMPLE: project address, dates and client details have been removed for confidentiality.

Prepared by: Darren Wood, Senior Estimator · Premium Estimating LLC · plans.premiume@gmail.com · (850) 343-4090

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