

**Glassell Yard Campus Stormwater Low-Impact Development Retrofit Project
Bid Summary**

Glassell Campus Stormwater LID Retrofit Project 5 BIDS RECEIVED Project Engineer: Robert McClain Engineer's Estimate: \$4,670,000				Tobo Construction Inc		Los Angeles Engineering		USS Cal Builders Inc		Pulp Inc dba Excel Paving Co		Minco Co
				Jimi Chae	323-465-1600	Aaron O'Brien	626-454-5222		714-828-4882	Curtis P	562-599-5841	Refaat Mina
				1		2		3		4		
				Item	Description	Unit	Quantity	Unit Price	Item Total	Unit Cost	Line Total	Unit Cost
1	Mobilization	LS	1	\$205,000.00	\$205,000.00	\$250,000.00	\$250,000.00	\$250,000.00	\$250,000.00	\$347,163.00	\$347,163.00	\$300,000.00
1.1	Progress Schedule ((CPM))	LS	1	\$8,200.00	\$8,200.00	\$6,000.00	\$6,000.00	\$16,000.00	\$16,000.00	\$36,000.00	\$36,000.00	\$10,000.00
2	Section D Permit	LS	1	\$20,500.00	\$20,500.00	\$5,000.00	\$5,000.00	\$10,000.00	\$10,000.00	\$11,500.00	\$11,500.00	\$37,000.00
3	Storm Water Pollution Prevention Plan	LS	1	\$4,100.00	\$4,100.00	\$57,000.00	\$57,000.00	\$35,000.00	\$35,000.00	\$75,000.00	\$75,000.00	\$10,000.00
4(D)	Partnering	LS	1	\$4,100.00	\$4,100.00	\$5,000.00	\$5,000.00	\$20,000.00	\$20,000.00	\$37,000.00	\$37,000.00	\$10,000.00
5	Inspection & Report of Existing Site Conditions	LS	1	\$12,300.00	\$12,300.00	\$5,000.00	\$5,000.00	\$5,500.00	\$5,500.00	\$38,000.00	\$38,000.00	\$17,000.00
6(D)	Class "A" Field Office	monthly	9	\$2,870.00	\$25,830.00	\$2,130.00	\$19,170.00	\$2,200.00	\$19,800.00	\$3,000.00	\$27,000.00	\$1,500.00
7	Clearing & Gribbing	LS	1	\$24,600.00	\$24,600.00	\$95,000.00	\$95,000.00	\$95,000.00	\$95,000.00	\$56,000.00	\$56,000.00	\$100,000.00
8	Dust Control	LS	1	\$12,300.00	\$12,300.00	\$20,000.00	\$20,000.00	\$18,000.00	\$18,000.00	\$87,500.00	\$87,500.00	\$50,000.00
9	Dewatering	LS	1	\$24,600.00	\$24,600.00	\$500.00	\$500.00	\$10,000.00	\$10,000.00	\$42,300.00	\$42,300.00	\$30,000.00
10	Maintain Traffic & Detours	LS	1	\$24,600.00	\$24,600.00	\$9,000.00	\$9,000.00	\$35,000.00	\$35,000.00	\$45,150.00	\$45,150.00	\$70,000.00
11	Verification of Utility Location & Depth	LS	1	\$12,300.00	\$12,300.00	\$8,000.00	\$8,000.00	\$5,500.00	\$5,500.00	\$37,400.00	\$37,400.00	\$30,000.00
12	Existing Facilities	LS	1	\$16,400.00	\$16,400.00	\$2,200.00	\$2,200.00	\$9,000.00	\$9,000.00	\$30,150.00	\$30,150.00	\$27,000.00
13	Temporary Fencing	LF	1400	\$16.40	\$22,960.00	\$10.50	\$14,700.00	\$15.00	\$21,000.00	\$13.75	\$19,250.00	\$10.00
14	Remove Fencing	LS	1	\$8,200.00	\$8,200.00	\$4,600.00	\$4,600.00	\$4,000.00	\$4,000.00	\$3,625.00	\$3,625.00	\$14,000.00
15	Remove Signs	LS	1	\$8,200.00	\$8,200.00	\$1,100.00	\$1,100.00	\$9,000.00	\$9,000.00	\$4,900.00	\$4,900.00	\$3,000.00
16	Remove Portland Cement Concrete	CY	450	\$41.00	\$18,450.00	\$43.00	\$19,350.00	\$130.00	\$58,500.00	\$89.00	\$40,050.00	\$200.00
17	Remove Asphalt Concrete Pavement	CY	8,150	\$16.40	\$133,660.00	\$23.00	\$187,450.00	\$130.00	\$1,059,500.00	\$42.50	\$346,375.00	\$150.00
18	Cold Mill Asphalt Concrete Pavement	SF	27,600	\$0.82	\$22,632.00	\$0.35	\$9,660.00	\$0.40	\$11,040.00	\$0.60	\$16,560.00	\$1.00
19	Unclassified Excavation	CY	2,450	\$28.70	\$70,315.00	\$30.00	\$73,500.00	\$88.00	\$215,600.00	\$46.00	\$112,700.00	\$30.00
20	Remove, Relocate & Salvage Existing Backflow Preventer	LS	1	\$4,100.00	\$4,100.00	\$6,000.00	\$6,000.00	\$7,500.00	\$7,500.00	\$10,600.00	\$10,600.00	\$15,000.00
21	Remove & Replace 3-inch Waterline	LS	1	\$20,500.00	\$20,500.00	\$1,500.00	\$1,500.00	\$4,400.00	\$4,400.00	\$10,850.00	\$10,850.00	\$10,000.00
22	Remove & Replace 2-inch Waterline	LS	1	\$12,300.00	\$12,300.00	\$1,500.00	\$1,500.00	\$4,000.00	\$4,000.00	\$10,600.00	\$10,600.00	\$7,000.00
23(D)(S)*	Remove & Relocate Light Standards	EA	16	\$6,150.00	\$98,400.00	\$4,100.00	\$65,600.00	\$4,050.00	\$64,800.00	\$3,815.00	\$61,040.00	\$2,750.00
24	Remove & Dispose Light Standards	EA	3	\$2,050.00	\$6,150.00	\$1,400.00	\$4,200.00	\$1,000.00	\$3,000.00	\$925.00	\$2,775.00	\$500.00
25	Remove & relocate Site Access Gates	EA	3	\$12,300.00	\$36,900.00	\$1,650.00	\$4,950.00	\$5,300.00	\$15,900.00	\$5,100.00	\$15,300.00	\$500.00
26	Perforated PVC Subdrain	LF	3,733	\$13.00	\$48,529.00	\$12.00	\$44,796.00	\$36.00	\$134,388.00	\$45.50	\$169,851.50	\$55.00
27	PVC Pipe, 4-inch	LF	885	\$21.00	\$18,585.00	\$19.50	\$17,257.50	\$39.00	\$34,515.00	\$33.15	\$29,337.75	\$60.00
28	PVC Pipe, 6-inch	LF	79	\$30.00	\$2,370.00	\$40.00	\$3,160.00	\$39.00	\$3,081.00	\$53.00	\$4,187.00	\$80.00
29	PVC Pipe, 8-inch	LF	782	\$50.00	\$39,100.00	\$29.00	\$22,678.00	\$41.50	\$32,453.00	\$52.50	\$41,055.00	\$100.00
30	PVC Pipe, 12-inch	LF	570	\$82.00	\$46,740.00	\$100.00	\$57,000.00	\$49.00	\$27,930.00	\$71.50	\$40,755.00	\$150.00
31	JunctionStructure PVC Pipe to RCP Pipe	EA	9	\$2,050.00	\$18,450.00	\$1,500.00	\$13,500.00	\$250.00	\$2,250.00	\$1,100.00	\$9,900.00	\$2,000.00
32	Atrium Drain	EA	1	\$4,100.00	\$4,100.00	\$250.00	\$250.00	\$300.00	\$300.00	\$2,500.00	\$2,500.00	\$2,000.00
33	Cleanout	EA	18	\$410.00	\$7,380.00	\$3,500.00	\$63,000.00	\$500.00	\$9,000.00	\$2,000.00	\$36,000.00	\$1,000.00
34	18-inch Reinforced Concrete Pipe	LF	420	\$184.50	\$77,490.00	\$70.00	\$29,400.00	\$115.00	\$48,300.00	\$93.50	\$39,270.00	\$200.00
35	Pipe Connection to Existing Storm Drain	EA	1	\$4,100.00	\$4,100.00	\$5,500.00	\$5,500.00	\$1,650.00	\$1,650.00	\$2,750.00	\$2,750.00	\$3,000.00
36	Join to Existing Catch Basin	EA	1	\$6,150.00	\$6,150.00	\$2,200.00	\$2,200.00	\$1,650.00	\$1,650.00	\$2,100.00	\$2,100.00	\$3,000.00
37	Join to Existing Junction Structure	EA	1	\$12,300.00	\$12,300.00	\$5,550.00	\$5,550.00	\$17,000.00	\$17,000.00	\$3,800.00	\$3,800.00	\$3,000.00
38	Manhole Pipe-to-Pipe (Junction Structure Type I)	EA	2	\$12,300.00	\$24,600.00	\$6,500.00	\$13,000.00	\$9,600.00	\$19,200.00	\$5,900.00	\$11,800.00	\$3,000.00
39	Miscellaneous Concrete	CY	350	\$143.50	\$50,225.00	\$590.00	\$206,500.00	\$872.00	\$305,200.00	\$575.00	\$201,250.00	\$500.00
40	PCC Curb and Gutter	LF	4,090	\$20.50	\$83,845.00	\$32.00	\$130,880.00	\$22.00	\$89,980.00	\$28.25	\$115,542.50	\$35.00
41	Concrete Ribbon Gutter with Slot Drain	LF	275	\$54.00	\$14,850.00	\$130.00	\$35,750.00	\$208.00	\$57,200.00	\$190.00	\$52,250.00	\$250.00
42	Concrete Trench Drain - TFX	EA	3	\$28,700.00	\$86,100.00	\$9,000.00	\$27,000.00	\$10,600.00	\$31,800.00	\$11,200.00	\$33,600.00	\$1,000.00
43	Concrete Trench Drain - Dura Slope	EA	1	\$12,300.00	\$12,300.00	\$6,700.00	\$6,700.00	\$29,800.00	\$29,800.00	\$5,900.00	\$5,900.00	\$5,000.00
44	Aggregate Base Material	tons	9,300	\$28.70	\$266,910.00	\$24.00	\$223,200.00	\$30.00	\$279,000.00	\$32.00	\$297,600.00	\$30.00

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				1		2		3		4		
				Item	Description	Unit	Quantity	Unit Price	Item Total	Unit Cost	Line Total	Unit Cost
45(D)	Aggregate Base Material (Overlay Saturated Soils)	tons	200	\$102.50	\$20,500.00	\$36.00	\$7,200.00	\$30.00	\$6,000.00	\$85.50	\$17,100.00	\$100.00
46	Asphalt Concrete	tons	4,400	\$143.50	\$631,400.00	\$80.00	\$352,000.00	\$89.00	\$391,600.00	\$70.00	\$308,000.00	\$100.00
47	Redwood Header	LF	274	\$25.00	\$6,850.00	\$4.00	\$1,096.00	\$13.00	\$3,562.00	\$10.00	\$2,740.00	\$2.00
48	Porous Asphalt Pavement	SF	5,364	\$13.00	\$69,732.00	\$7.90	\$42,375.60	\$15.00	\$80,460.00	\$9.00	\$48,276.00	\$10.00
49	Pervious Concrete Pavement	SF	11,139	\$17.00	\$189,363.00	\$8.50	\$94,681.50	\$11.00	\$122,529.00	\$13.00	\$144,807.00	\$10.00
50	Permeable Concrete Pavers	SF	29,708	\$5.00	\$148,540.00	\$12.00	\$356,496.00	\$10.50	\$311,934.00	\$17.50	\$519,890.00	\$15.00
51	Non-Permeable Liner	SY	6,208	\$3.00	\$18,624.00	\$5.50	\$34,144.00	\$3.50	\$21,728.00	\$13.50	\$83,808.00	\$7.00
52	Non-Permeable Pavers (Pedestrian Access)	SF	8,360	\$4.10	\$34,276.00	\$12.95	\$108,262.00	\$11.00	\$91,960.00	\$16.50	\$137,940.00	\$10.00
53	Non-Permeable Pavers (Vehicular Access)	SF	1,412	\$5.00	\$7,060.00	\$24.20	\$34,170.40	\$17.00	\$24,004.00	\$25.00	\$35,300.00	\$15.00
54(S)*	Below Ground Cistern	LS	1	\$102,500.00	\$102,500.00	\$230,000.00	\$230,000.00	\$167,000.00	\$167,000.00	\$345,000.00	\$345,000.00	\$377,000.00
55(S)	Rainwater Harvesting System	LS	1	\$28,700.00	\$28,700.00	\$90,000.00	\$90,000.00	\$73,000.00	\$73,000.00	\$72,750.00	\$72,750.00	\$87,000.00
56(S)*	Above Ground Cistern	LS	1	\$24,600.00	\$24,600.00	\$15,000.00	\$15,000.00	\$21,800.00	\$21,800.00	\$26,600.00	\$26,600.00	\$70,000.00
57(S)*	Roof Drain Renovation	LS	1	\$61,500.00	\$61,500.00	\$10,000.00	\$10,000.00	\$1,650.00	\$1,650.00	\$9,000.00	\$9,000.00	\$70,000.00
58	Flow-Through Bio-Retention Planter Box, Above Grade	EA	4	\$12,300.00	\$49,200.00	\$15,000.00	\$60,000.00	\$5,600.00	\$22,400.00	\$17,200.00	\$68,800.00	\$3,500.00
59	Flow-Through Bio-Retention Planter Box, On-Grade	EA	1	\$8,200.00	\$8,200.00	\$4,500.00	\$4,500.00	\$46,300.00	\$46,300.00	\$18,500.00	\$18,500.00	\$7,000.00
60	Hydrodynamic Separator	LS	1	\$28,700.00	\$28,700.00	\$2,500.00	\$2,500.00	\$19,000.00	\$19,000.00	\$25,000.00	\$25,000.00	\$77,000.00
61	Drywell	LS	1	\$12,300.00	\$12,300.00	\$20,000.00	\$20,000.00	\$26,000.00	\$26,000.00	\$21,500.00	\$21,500.00	\$45,000.00
62	Catch Basin - Bottomless	EA	6	\$4,100.00	\$24,600.00	\$1,050.00	\$6,300.00	\$3,100.00	\$18,600.00	\$1,825.00	\$10,950.00	\$1,000.00
63	Catch Basin - Non-Bottomless	EA	9	\$4,920.00	\$44,280.00	\$865.00	\$7,785.00	\$2,100.00	\$18,900.00	\$1,725.00	\$15,525.00	\$1,000.00
64	Vegetated Bioswale	SF	14,012	\$2.00	\$28,024.00	\$10.00	\$140,120.00	\$18.00	\$252,216.00	\$25.00	\$350,300.00	\$50.00
65	CMU retaining Wall	LF	107	\$369.00	\$39,483.00	\$260.00	\$27,820.00	\$550.00	\$58,850.00	\$575.00	\$61,525.00	\$250.00
66	Wheel Stop	EA	95	\$41.00	\$3,895.00	\$63.00	\$5,985.00	\$60.00	\$5,700.00	\$62.00	\$5,890.00	\$100.00
67(S)*	Traffic Striping & Pavement Markings	LS	1	\$20,500.00	\$20,500.00	\$9,500.00	\$9,500.00	\$9,000.00	\$9,000.00	\$20,500.00	\$20,500.00	\$90,000.00
68	Parking Signs	EA	44	\$410.00	\$18,040.00	\$300.00	\$13,200.00	\$285.00	\$12,540.00	\$295.00	\$12,980.00	\$300.00
69	Trash Enclosure	EA	2	\$615.00	\$1,230.00	\$45,000.00	\$90,000.00	\$23,000.00	\$46,000.00	\$36,500.00	\$73,000.00	\$45,000.00
70(S)*	Chain Link Fence	LF	353	\$62.00	\$21,886.00	\$34.50	\$12,178.50	\$60.00	\$21,180.00	\$62.00	\$21,886.00	\$100.00
71(S)*	Chain Link Gate	EA	3	\$1,230.00	\$3,690.00	\$3,300.00	\$9,900.00	\$5,000.00	\$15,000.00	\$4,850.00	\$14,550.00	\$5,000.00
72(S)*	Chain Link Walkway Gate	EA	1	\$1,640.00	\$1,640.00	\$1,780.00	\$1,780.00	\$2,600.00	\$2,600.00	\$2,525.00	\$2,525.00	\$3,000.00
73	Bollards	EA	13	\$1,230.00	\$15,990.00	\$580.00	\$7,540.00	\$1,050.00	\$13,650.00	\$1,000.00	\$13,000.00	\$500.00
74	Sign Confiscation Enclosure	LS	1	\$4,100.00	\$4,100.00	\$5,800.00	\$5,800.00	\$8,500.00	\$8,500.00	\$8,250.00	\$8,250.00	\$13,000.00
75(S)*	Pedestrian Bridges	EA	5	\$6,150.00	\$30,750.00	\$45,000.00	\$225,000.00	\$30,500.00	\$152,500.00	\$47,750.00	\$238,750.00	\$20,000.00
76	Soils & Aggregate Testing	LS	1	\$12,300.00	\$12,300.00	\$3,000.00	\$3,000.00	\$1,100.00	\$1,100.00	\$1,125.00	\$1,125.00	\$700.00
77(S)*	Irrigation	LS	1	\$61,500.00	\$61,500.00	\$317,000.00	\$317,000.00	\$355,000.00	\$355,000.00	\$343,650.00	\$343,650.00	\$70,000.00
78(S)*	Landscape	LS	1	\$184,500.00	\$184,500.00	\$275,000.00	\$275,000.00	\$188,000.00	\$188,000.00	\$196,000.00	\$196,000.00	\$170,000.00
79(D)	Plant Establishment	LS	1	\$12,300.00	\$12,300.00	\$15,000.00	\$15,000.00	\$10,500.00	\$10,500.00	\$10,700.00	\$10,700.00	\$10,000.00
80(D)	Interpretive Panels	EA	5	\$2,050.00	\$10,250.00	\$25,000.00	\$125,000.00	\$2,200.00	\$11,000.00	\$385.00	\$1,925.00	\$3,500.00
81	Plant Identification Signs	EA	15	\$410.00	\$6,150.00	\$450.00	\$6,750.00	\$550.00	\$8,250.00	\$555.00	\$8,325.00	\$500.00
82	Do Not Drink Signs	EA	3	\$410.00	\$1,230.00	\$500.00	\$1,500.00	\$550.00	\$1,650.00	\$1,650.00	\$4,950.00	\$500.00
83	ADA Access Ramp Type A	EA	3	\$4,100.00	\$12,300.00	\$1,050.00	\$3,150.00	\$2,200.00	\$6,600.00	\$6,650.00	\$19,950.00	\$5,000.00
84	ADA Access Ramp Type A1	EA	2	\$4,100.00	\$8,200.00	\$7,300.00	\$14,600.00	\$2,200.00	\$4,400.00	\$11,725.00	\$23,450.00	\$5,000.00
85	ADA Concrete Curb Ramp	EA	5	\$4,100.00	\$20,500.00	\$2,000.00	\$10,000.00	\$2,200.00	\$11,000.00	\$3,825.00	\$19,125.00	\$5,000.00
86	Concrete Stairs	LS	1	\$10,250.00	\$10,250.00	\$2,700.00	\$2,700.00	\$10,000.00	\$10,000.00	\$1,750.00	\$1,750.00	\$7,000.00
87	Monument Sign	LS	1	\$12,300.00	\$12,300.00	\$16,000.00	\$16,000.00	\$16,500.00	\$16,500.00	\$26,150.00	\$26,150.00	\$37,000.00
88(S)*	Deck	LS	1	\$16,400.00	\$16,400.00	\$108,000.00	\$108,000.00	\$36,000.00	\$36,000.00	\$60,250.00	\$60,250.00	\$100,000.00
89	Bench	EA	2	\$2,460.00	\$4,920.00	\$3,000.00	\$6,000.00	\$2,200.00	\$4,400.00	\$3,400.00	\$6,800.00	\$3,500.00

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				1		2		3		4		
				Item	Description	Unit	Quantity	Unit Price	Item Total	Unit Cost	Line Total	Unit Cost
90	Picnic ables	EA	10	\$2,460.00	\$24,600.00	\$2,200.00	\$22,000.00	\$2,200.00	\$22,000.00	\$2,925.00	\$29,250.00	\$5,000.00
91	Bike Rack	EA	4	\$4,100.00	\$16,400.00	\$812.00	\$3,248.00	\$2,000.00	\$8,000.00	\$1,400.00	\$5,600.00	\$1,500.00
92(S)*	Shade Structure	LS	1	\$32,800.00	\$32,800.00	\$40,000.00	\$40,000.00	\$38,200.00	\$38,200.00	\$43,500.00	\$43,500.00	\$60,000.00
93	Pavement Inlay	LS	1	\$41,000.00	\$41,000.00	\$350.00	\$350.00	\$5,450.00	\$5,450.00	\$735.00	\$735.00	\$70,000.00
94(D)	Install & Test permanent Monitoring Equipment	LS	1	\$20,500.00	\$20,500.00	\$2,500.00	\$2,500.00	\$28,800.00	\$28,800.00	\$60,000.00	\$60,000.00	\$70,000.00
95	Relocate Historic Grader	LS	1	\$12,300.00	\$12,300.00	\$2,500.00	\$2,500.00	\$10,000.00	\$10,000.00	\$4,425.00	\$4,425.00	\$7,000.00
96	Project Information Sign (Modified)	LS	1	\$12,300.00	\$12,300.00	\$2,100.00	\$2,100.00	\$5,500.00	\$5,500.00	\$2,250.00	\$2,250.00	\$7,000.00
97	Biofiltration Test Cells	LS	1	\$12,300.00	\$12,300.00	\$60,000.00	\$60,000.00	\$20,000.00	\$20,000.00	\$71,500.00	\$71,500.00	\$30,000.00
98	Precast Catch Basin & Planter - Modular Wetlands	EA	1	\$12,300.00	\$12,300.00	\$50,000.00	\$50,000.00	\$42,000.00	\$42,000.00	\$46,500.00	\$46,500.00	\$50,000.00
99	Precast Catch Basin & Planter - Biofilter	EA	1	\$12,300.00	\$12,300.00	\$27,000.00	\$27,000.00	\$35,500.00	\$35,500.00	\$31,500.00	\$31,500.00	\$35,000.00
100	Paint Repair	LS	1	\$28,700.00	\$28,700.00	\$2,500.00	\$2,500.00	\$23,000.00	\$23,000.00	\$10,000.00	\$10,000.00	\$1,000.00
Total Sum of Bid					\$3,980,474.00		\$4,924,533.50		\$6,100,750.00		\$6,388,288.75	
						written bid	\$4,834,533.50	written bid	\$6,099,750.00			written bid
						math errors		math errors				math

Glassell Yard Campus Stormwater Low-Impact Development Retrofit Project
Bid Summary

Glassell Campus Stormwater LID Retrofit Project				Construction
5 BIDS RECEIVED				310-516-8100
Project Engineer: Robert McClain				
Engineer's Estimate: \$4,670,000				5
Item	Description	Unit	Quantity	Line Total
1	Mobilization	LS	1	\$300,000.00
1.1	Progress Schedule ((CPM)	LS	1	\$10,000.00
2	Section D Permit	LS	1	\$37,000.00
3	Storm Water Pollution Prevention Plan	LS	1	\$10,000.00
4(D)	Partnering	LS	1	\$10,000.00
5	Inspection & Report of Existing Site Conditions	LS	1	\$17,000.00
6(D)	Class "A" Field Office	monthly	9	\$13,500.00
7	Clearing & Gribbing	LS	1	\$100,000.00
8	Dust Control	LS	1	\$50,000.00
9	Dewatering	LS	1	\$30,000.00
10	Maintain Traffic & Detours	LS	1	\$70,000.00
11	Verification of Utility Location & Depth	LS	1	\$30,000.00
12	Existing Facilities	LS	1	\$27,000.00
13	Temporary Fencing	LF	1400	\$14,000.00
14	Remove Fencing	LS	1	\$14,000.00
15	Remove Signs	LS	1	\$3,000.00
16	Remove Portland Cement Concrete	CY	450	\$90,000.00
17	Remove Asphalt Concrete Pavement	CY	8,150	\$1,222,500.00
18	Cold Mill Asphalt Concrete Pavement	SF	27,600	\$27,600.00
19	Unclassified Excavatiaon	CY	2,450	\$73,500.00
20	Remove, Relocate & Salvage Existing Backflow Preventer	LS	1	\$15,000.00
21	Remove & Replace 3-inch Waterline	LS	1	\$10,000.00
22	Remove & Replace 2-inch Waterline	LS	1	\$7,000.00
23(D)(S)*	Remove & Relocate Light Standards	EA	16	\$44,000.00
24	Remove & Dispose Light Standards	EA	3	\$1,500.00
25	Remove & relocate Site Access Gates	EA	3	\$1,500.00
26	Perforated PVC Subdrain	LF	3,733	\$205,315.00
27	PVC Pipe, 4-inch	LF	885	\$53,100.00
28	PVC Pipe, 6-inch	LF	79	\$6,320.00
29	PVC Pipe, 8-inch	LF	782	\$78,200.00
30	PVC Pipe, 12-inch	LF	570	\$85,500.00
31	JunctionStructure PVC Pipe to RCP Pipe	EA	9	\$18,000.00
32	Atrium Drain	EA	1	\$2,000.00
33	Cleanout	EA	18	\$18,000.00
34	18-inch Reinforced Concrete Pipe	LF	420	\$84,000.00
35	Pipe Connection to Existing Storm Drain	EA	1	\$3,000.00
36	Join to Existing Catch Basin	EA	1	\$3,000.00
37	Join to Existing Junction Structure	EA	1	\$3,000.00
38	Manhole Pipe-to-Pipe (Junction Structure Type I)	EA	2	\$6,000.00
39	Miscellaneous Concrete	CY	350	\$175,000.00
40	PCC Curb and Gutter	LF	4,090	\$143,150.00
41	Concrete Ribbon Gutter with Slot Drain	LF	275	\$68,750.00
42	Concrete Trench Drain - TFX	EA	3	\$3,000.00
43	Concrete Trench Drain - Dura Slope	EA	1	\$5,000.00
44	Aggregate Base Material	tons	9,300	\$279,000.00

Glassell Yard Campus Stormwater Low-Impact Development Retrofit Project
Bid Summary

Glassell Campus Stormwater LID Retrofit Project				Construction
5 BIDS RECEIVED				310-516-8100
Project Engineer: Robert McClain				
Engineer's Estimate: \$4,670,000				5
Item	Description	Unit	Quantity	Line Total
45(D)	Aggregate Base Material (Overlay Saturated Soils)	tons	200	\$20,000.00
46	Asphalt Concrete	tons	4,400	\$440,000.00
47	Redwood Header	LF	274	\$548.00
48	Porous Asphalt Pavement	SF	5,364	\$53,640.00
49	Pervious Concrete Pavement	SF	11,139	\$111,390.00
50	Permeable Concrete Pavers	SF	29,708	\$445,620.00
51	Non-Permeable Liner	SY	6,208	\$43,456.00
52	Non-Permeable Pavers (Pedestrian Access)	SF	8,360	\$83,600.00
53	Non-Permeable Pavers (Vehicular Access)	SF	1,412	\$21,180.00
54(S)*	Below Ground Cistern	LS	1	\$377,000.00
55(S)	Rainwater Harvesting System	LS	1	\$87,000.00
56(S)*	Above Ground Cistern	LS	1	\$70,000.00
57(S)*	Roof Drain Renovation	LS	1	\$70,000.00
58	Flow-Through Bio-Retention Planter Box, Above Grade	EA	4	\$14,000.00
59	Flow-Through Bio-Retention Planter Box, On-Grade	EA	1	\$7,000.00
60	Hydrodynamic Separator	LS	1	\$77,000.00
61	Drywell	LS	1	\$45,000.00
62	Catch Basin - Bottomless	EA	6	\$6,000.00
63	Catch Basin - Non-Bottomless	EA	9	\$9,000.00
64	Vegetated Bioswale	SF	14,012	\$700,600.00
65	CMU retaining Wall	LF	107	\$26,750.00
66	Wheel Stop	EA	95	\$9,500.00
67(S)*	Traffic Striping & Pavement Markings	LS	1	\$90,000.00
68	Parking Signs	EA	44	\$13,200.00
69	Trash Enclosure	EA	2	\$90,000.00
70(S)*	Chain Link Fence	LF	353	\$35,300.00
71(S)*	Chain Link Gate	EA	3	\$15,000.00
72(S)*	Chain Link Walkway Gate	EA	1	\$3,000.00
73	Bollards	EA	13	\$6,500.00
74	Sign Confiscation Enclosure	LS	1	\$13,000.00
75(S)*	Pedestrian Bridges	EA	5	\$100,000.00
76	Soils & Aggregate Testing	LS	1	\$700.00
77(S)*	Irrigation	LS	1	\$70,000.00
78(S)*	Landscape	LS	1	\$170,000.00
79(D)	Plant Establishment	LS	1	\$10,000.00
80(D)	Interpretive Panels	EA	5	\$17,500.00
81	Plant Identification Signs	EA	15	\$7,500.00
82	Do Not Drink Signs	EA	3	\$1,500.00
83	ADA Access Ramp Type A	EA	3	\$15,000.00
84	ADA Access Ramp Type A1	EA	2	\$10,000.00
85	ADA Concrete Curb Ramp	EA	5	\$25,000.00
86	Concrete Stairs	LS	1	\$7,000.00
87	Monument Sign	LS	1	\$37,000.00
88(S)*	Deck	LS	1	\$100,000.00
89	Bench	EA	2	\$7,000.00

Glassell Yard Campus Stormwater Low-Impact Development Retrofit Project
Bid Summary

Glassell Campus Stormwater LID Retrofit Project				Instruction
5 BIDS RECEIVED				310-516-8100
Project Engineer: Robert McClain				
Engineer's Estimate: \$4,670,000				5
Item	Description	Unit	Quantity	Line Total
90	Picnic tables	EA	10	\$50,000.00
91	Bike Rack	EA	4	\$6,000.00
92(S)*	Shade Structure	LS	1	\$60,000.00
93	Pavement Inlay	LS	1	\$70,000.00
94(D)	Install & Test permanent Monitoring Equipment	LS	1	\$70,000.00
95	Relocate Historic Grader	LS	1	\$7,000.00
96	Project Information Sign (Modified)	LS	1	\$7,000.00
97	Biofiltration Test Cells	LS	1	\$30,000.00
98	Precast Catch Basin & Planter - Modular Wetlands	EA	1	\$50,000.00
99	Precast Catch Basin & Planter - Biofilter	EA	1	\$35,000.00
100	Paint Repair	LS	1	\$1,000.00
Total Sum of Bid				\$7,415,919.00
				\$7,372,919.00
				errors