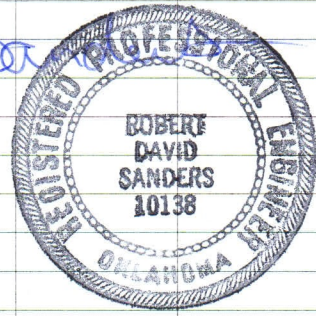


Immanuel Lutheran Church - Channel Repair
Opinion of Probable Cost - October 27, 2016

Item	Quantity	Units	Unit Price	Extension
			\$	\$
1 Mobilization	1.0	job	3,000.00	3,000.00
2 Clear Trees	1.0	job	15,000.00	15,000.00
3 Salvage topsoil	600.0	c.y.	8.00	4,800.00
4 Excavation & Backfill	2,600.0	c.y.	15.00	39,000.00
5 Fine Grading for Backslopes	250.0	c.y.	50.00	12,500.00
6 5' Wide Low Flow Conc channel, w/ 6" Mountable cur	3,040.0	s.f.	8.00	24,320.00
7 Headwall apron & dissipator blocks	1.0	job	15,000.00	15,000.00
8 Sanitary Sewer rehab incl. conc. Cradle	1.0	job	5,000.00	5,000.00
9 Reinforced turf mat	9,200.0	sf	2.50	23,000.00
10 12" Rip Rap, 18" thickness w/ filter fabric	510.0	sy	50.00	25,500.00
11 Bermuda sod	34,000.0	sf	0.25	8,500.00
Subtotal				175,620.00
Contingency, 15%				26,343.00
Construction				\$ 201,963.00
Engineering			15%	30,294.45
Survey			8%	15,147.23
Subtotal				\$ 45,441.68
Opinion of Probable Cost				\$ 247,404.68
Construction Management, 7.5% of Construction				\$ 15,147.23

Robert D Sanders
11/30/2016



Robert D. Sanders, P.E.
Sanders Engineering, Inc