

Engineer's Projection of Probable Costs
Lagae Family Parcel - Conceptual Quantities
April 10, 2020

Graded Pads with Walls, Site Access, Site Stormwater Basin, & Adjacent Water & Sewer Utilities

	Unit Cost	Quantity	Unit	Cost	with 15% Contingency
GRADING					
Cut to Fill	\$ 2.50	27,000	CY	\$ 67,500	
Export Offsite	\$ 6.00	42,500	CY	\$ 255,000	
Clearing & Grubbing (10 ac)	\$ 30,000	1	LS	\$ 30,000	
Topsoil Stripping and Stockpile (10 ac)	\$ 2.00	9,000	CY	\$ 18,000	
Topsoil Respread (66% of stripped)	\$ 2.00	6,000	LS	\$ 12,000	
Erosion Control (10 ac)	\$ 50,000.00	1	LS	\$ 50,000	
				\$ 432,500	\$ 497,375

Retaining Wall					
Proprietary Dry Stack Retaining Wall	\$ 45.00	5,000	SF	\$ 225,000	
				\$ 225,000	\$ 258,750

Road Improvements					
Medium Duty Asphalt Pavement Section (6" depth)	\$ 22.50	1,472	SY	\$ 33,125	
Base Course (10" depth)	\$ 10.00	1,472	SY	\$ 14,722	
Concrete Pavement	\$ 50.00	1,029	SY	\$ 51,444	
Curb & Gutter	\$ 15.00	1,742	LF	\$ 26,130	
Pedestrian Ramp	\$ 850.00	4	EA	\$ 3,400	
5ft Sidewalk	\$ 25.00	4,854	SF	\$ 121,350	
Concrete Cross Pan	\$ 15,000.00	1	EA	\$ 15,000	
Traffic Control	\$ 50,000.00	1	LS	\$ 50,000	
				\$ 315,172	\$ 362,447

Water					
Water: Connect to Existing	\$ 7,500.00	2	EA	\$ 15,000	
Water: 8" Water main	\$ 60.00	1,300	LF	\$ 78,000	
Water: Bends, Valves, FHs and Apurtenances	\$ 30,000.00	1	LS	\$ 30,000	
				\$ 123,000	\$ 141,450

Stormwater					
Stormwater: Outfall Structure	\$ 25,000.00	2	EA	\$ 50,000	
Stormwater: Forebay	\$ 10,000.00	3	EA	\$ 30,000	
Stormwater: Type C Inlet	\$ 5,000.00	8	EA	\$ 40,000	
Stormwater: Type R Inlet	\$ 6,000.00	2	EA	\$ 12,000	
Stormwater: FES	\$ 3,500.00	4	EA	\$ 14,000	
Stormwater: Manhole	\$ 5,000.00	1	EA	\$ 5,000	
Stormwater: 18" RCP	\$ 90.00	750	LF	\$ 67,500	
Stormwater: 24" RCP	\$ 120.00	180	LF	\$ 21,600	
Stormwater: Connect to Existing	\$ 5,000.00	3	EA	\$ 15,000	
				\$ 255,100	\$ 293,365

Sewer					
Sewer: Connect to Existing MH	\$ 2,500.00	1	EA	\$ 2,500	
Sewer: Manhole (Lagae Road to Parcel 3)	\$ 5,000.00	2	EA	\$ 10,000	
Sewer: Manhole (Parcel 3 to Parcels 1 & 2)	\$ 5,000.00	3	EA	\$ 15,000	
Sewer: 8" Sewer (Lagae Road to Parcel 3)	\$ 60.00	382	LF	\$ 22,920	
Sewer: 8" to (Parcel 3 to Parcels 1 & 2)	\$ 60.00	522	LF	\$ 31,320	
				\$ 81,740	\$ 94,001

GRAND TOTAL	\$ 1,432,512	\$ 1,647,388
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4000	9250							
4110	5150							
377	53	173	431	58	68	41	226	315
917	1550	2210	177					
752								