

Engineer's Opinion of Estimated Costs for Public Improvements
Canyons South - Filing 3
Project No. CD22-0015

All Costs Include Labor and Materials.

Item #	Description	Quantity	Unit	Unit Cost	Total Cost
<u>PUBLIC IMPROVEMENTS TO BE INSPECTED</u>					
	Earthwork				
	Mobilization	1	EA	\$5,000	\$5,000.00
	Topsoil				\$0.00
	Import/Export in ROWs	0	CY	\$2.00	\$0.00
	Transportation				
	8" Asphalt Paving	0	SY	\$33	\$0
	8" Concrete Paving	0	SY	\$70	\$0
	15" Road Base	0	SY	\$17	\$0
	Subgrade Prep	0	SY	\$3	\$0
	Curb Gutter	0	LF	\$14	\$0
	Cross Pans				\$0
	Sidewalks				\$0
	Handicap Ramps	0	EA	\$1,500	\$0
	Street Repair for utility cuts				\$0
	Irrigation Conduits in Right-of-way				\$0
	Utility Conduits in Right-of-Way				\$0
	Trails (off street, public)				\$0
	Striping	0	LS	\$5,000	\$0
	Signage	0	EA	\$200	\$0
	Public Street Lighting				\$0
	Water				
	Water Mains (16 Inch DIP)	0	LF	\$65	\$0
	Water Mains (12 Inch PVC)	0	LF	\$44	\$0
	Water Mains (8 Inch PVC)	4841	LF	\$30	\$145,230
	Connections to Existing WL	4	EA	\$2,400	\$9,600
	Saw Cut & Pavement Replacement	25	SY	\$110	\$2,750
	Water Main Lowerings	0	EA	\$3,100	\$0
	Tees (12"x8")	0	EA	\$800	\$0
	Tees (16"x16")	0	EA	\$1,500	\$0
	Tees (16"x12")	0	EA	\$1,500	\$0
	Tees (16"x8")	0	EA	\$1,500	\$0
	Tees (8"x8")	2	EA	\$500	\$1,000
	Crosses (16"x8")	0	EA	\$1,500	\$0
	Crosses (12"x8")	0	EA	\$800	\$0
	Crosses (8")	1	EA	\$500	\$500
	Horizontal Bends (16 Inch)	0	EA	\$1,500	\$0
	Horizontal Bends (12 Inch)	0	EA	\$800	\$0
	Horizontal Bends (8 Inch)	24	EA	\$500	\$12,000
	Vertical Bends (16 Inch)	0	EA	\$1,500	\$0
	Vertical Bends (12 Inch)	0	EA	\$800	\$0
	Valves (16" Butterfly Valve)	0	EA	\$5,500	\$0
	Valves (12" Gate Valve)	0	EA	\$2,800	\$0
	Valves (8" Gate Valve)	18	EA	\$1,500	\$27,000
	Marker Posts	0	EA	\$180	\$0

Item #	Description	Quantity	Unit	Unit Cost	Total Cost
	Temporary Blow-Offs	0	EA	\$3,200	\$0
	ARV's	0	EA	\$7,500	\$0
	Low Point Blow-Off Pumping Manhole	0	EA	\$8,500	\$0
	Fire Hydrants 1 per 400 ft	11	EA	\$5,800	\$63,800
	Fire Hydrant Bollards	0	EA	\$300	\$0
	Domestic Service Lines (from the main to the curb stop) (3/4")	90	EA	\$400	\$36,000
	Sampling Station	0	EA	\$1,000	\$0
	Water Meters (3/4") & Vaults	0	EA	\$1,000	\$0
	Irrigation Meters (list sizes) & Vaults Size: 1.5"	1	EA	\$1,000	\$1,000
	Irrigation Lines (from main to meter) (list types & sizes)	0	EA	\$400	\$0
	Sanitary Sewer				
	Sanitary Mains (8 inch PVC)	4315	LF	\$50	\$215,750
	Manholes (4' Diameter, 5' - 20')	19	EA	\$4,400	\$83,600
	Manholes (4' Diameter, 5' - 20', with Locking Lid)	4	EA	\$4,400	\$17,600
	Manholes (6' Diameter, 20' - 30')	0	EA	\$4,400	\$0
	Drop Manholes (list dia. & range of depth)	4	EA	\$7,000	\$28,000
	Marker Posts	7	EA	\$75	\$525
	WYE connections for service lines (4")	90	EA	\$750	\$67,500
	Drainage				
	Storm Sewer Pipes		LF	\$60	\$0
	Manholes		EA	\$3,200	\$0
	Inlets		EA	\$4,500	\$0
	FES's		EA	\$750	\$0
	Trickle Channel				\$0
	Rip Rap		CY	\$50	\$0
	Forebay				\$0
	Micropool				\$0
	Outlets Structure(s)				\$0
	Retaining Walls				\$0
					\$716,855.00
10% Contingency					\$71,685.50
Total Public Improvements					\$788,540.50

Item #	Description	Quantity	Unit	Unit Cost	Total Cost
PRIVATE IMPROVEMENTS TO BE INSPECTED					
	Earthwork				
	Import/Export				\$0.00
	Water				\$0
	Backflow Prevention Assemblies (list sizes)				\$0
	Fire Service Line (list types and sizes)				\$0
	Abandon/remove water service lines				\$0
	Irrigation backflow prevention assemblies (list sizes)				\$0
	Sanitary Sewer				\$0
	Abandon/remove sanitary sewer service lines				\$0
	Drainage				\$0
	Storm Sewer Pipe				\$0
	Manholes				\$0
	Inlets				\$0
	Clean Outs				\$0
	FES's				\$0
	Retaining Walls				\$0
					\$0
	10% Contingency				\$0.0
Total Private Improvements To Be Inspected					\$0.0

Item #	Description	Quantity	Unit	Unit Cost	Total Cost
PRIVATE IMPROVEMENTS NOT TO BE INSPECTED					
	Transportation				
	Paving				\$0
	Curb/Gutter				\$0
	Cross Pans				\$0
	Parking Areas				\$0
	Sidewalks				\$0
	Handicapped Ramps				\$0
	Water				
	FDC & fire lines to FDC (list types & sizes) (Inspected by Fire, not Public Works)				\$0
	Domestic Service Lines (from curb stop to building) (list types & sizes) (Inspected by the Building Division)				\$0
	Irrigation Lines (past meter)				\$0
	Sanitary Sewer				\$0
	Service Lines (list types and sizes)				\$0
	Clean-Outs (list sizes)				\$0
	10% Contingency				\$0.0
Total Private Improvements Not To Be Inspected					\$0.0
Grand Total					\$788,540.50

1. Surety is calculated based on Public Improvement Costs.
2. Inspection Fees are calculated from Public Improvements and Private Improvements to be inspected.
3. Use Tax is calculated from the Grand Total of all Improvements minus Earthwork.
4. All Costs Shall Include Labor and Material.