Engineer's Opinion of Estimated Costs for Public/Private Improvements
PERRY STREET SOCIAL DISTRICT CD22-xxxx

All Costs Include Labor and Materials.

Item #	Description	Quantity	Unit	Unit Cost	Total Cost
	PUBLIC IMPROVEMENTS TO BE INSPECTED				
	Earthwork				
	Mobilizaton	1	EA	$5,000	$5,000.00
	Topsoil				$0.00
	Import/Export in ROWs				$0.00
	Transportation				
	Paving	15.8	SY	$110	$1,736
	Subgrade Prep	15.8	SY	$55	$868
	Curb Gutter	136	LF	$11	$1,496
	Cross Pans	0	SY	$90	$0
	Sidewalks	1292	SF	$9	$11,628
	Handicap Ramps	0	EA	$750	$0
	Street Repair for utility cuts	4	EA	$1,500	$6,000
	Irrigation Conduits in Right-of-way	0	LF	$500	$0
	Utility Conduits in Right-of-Way	0	LF	$500	$0
	Trails (off street, public)	0	LF	$0	$0
	Striping	228	LF	$200	$45,600
	Signage	0	EA	$500	$0
	Public Street Lighting	2	EA	$2,000	$4,000
	Water				$0
	Water Mains (list types & sizes) 12 inch	0	LF	$110	$0
	Connections to Existing WL	3	EA	$1,200	$3,600
	Saw Cut & Pavement Replacement	1	EA	$1,500	$1,500
	Water Main Lowerings	0	EA	$1,200	$0
	Tees (list sizes)	0	EA	$750	$0
	Crosses (list sizes)	0	EA	$750	$0
	Horizontal Bends (list sizes)	0	EA	$750	$0
	Vertical Bends (list sizes)	0	EA	$750	$0
	Valves (list types & sizes)	0	EA	$750	$0
	Marker Posts	0	EA	$250	$0
	Temporary Blow-Offs	0	EA	$1,200	$0
	ARV's	0	EA	$2,500	$0
	Fire Hydrants 1 per 400 ft	0	EA	$5,500	$0
	Fire Hydrant Bollards	0	EA	$600	$0
	Domestic Service Lines (from the main to the curb stop) (1" TYPE K COPPER)	30	LF	$25	$750
	Water Meters (1") & Vaults	2	EA	$2,500	$5,000
	Irrigation Meters (1") & Vaults	1	EA	$2,000	$2,000
	Irrigation Lines (from main to meter) (1" TYPE K COPPER)	30	LF	$25	$750
	Sanitary Sewer				$0
	Sanitary Mains (list types & sizes) 8 inch	0	LF	$52	$0
	Connections to Existing San Sewer	2	EA	$1,200	$2,400
	Saw Cut & Pavement Replacement	1	EA	$1,500	$1,500
	Lift Stations	0	EA	$20,000	$0
	Sanitary Force Mains (list types & sizes)	0	LF	$50	$0

Item #	Description	Quantity	Unit	Unit Cost	Total Cost
	Manholes (list dia. & range of depth)	0	EA	$5,500	$0

Item #	Description	Quantity	Unit	Unit Cost	Total Cost
	Locking Type Manhole Covers & Bolt-Down Rings	0	EA	$1,200	$0
	Manhole Internal Watertight Inserts	0	EA	$1,200	$0
	Drop Manholes (list dia. & range of depth)	0	EA	$5,500	$0
	Marker Posts	0	EA	$250	$0
	WYE connections for service lines (list sizes)	2	EA	$1,200	$2,400
	Drainage				
	Storm Sewer Pipes - 18" RCP	34.1	LF	$120	$4,092
	Manholes - 5' DIA	2	EA	$5,500	$11,000
	Inlets	0	EA	$5,500	$0
	FES's	0	EA	$1,700	$0
	Trickle Channel	0	LF	$50	$0
	Rip Rap	0	EA	$3,800	$0
	Forebay	0	EA	$4,800	$0
	Micropool	0	EA	$4,800	$0
	Outlets Structure(s)	0	EA	$7,500	$0
	Retaining Walls	0	LF	$40	$0
					$111,319.33
	10% Contingency				$11,131.93
	Total Public Improvements				$122,451.27

	PRIVATE IMPROVEMENTS TO BE INSPECTED				
	Earthwork				
	EXPORT	421	CY	$28.00	$11,788.00
	Water				$0
	Backflow Prevention Assemblies (list sizes)	2	EA	$3,000	$6,000
	Fire Service Line - 4" DIP	83.4	LF	$37	$3,086
	Abandon/remove water service lines	1	EA	$1,500	$1,500
	Irrigation backflow prevention assemblies - 1"	1	EA	$2,000	$2,000
	Sanitary Sewer				$0
	Abandon/remove sanitary sewer service lines	1	EA	$1,500	$1,500
	Drainage				$0
	Storm Sewer Pipe - 8" PVC	52.8	LF	$46	$2,429
	Manholes	0	EA	$4,000	$0
	Inlets - 8" ADS SLOTTED DRAIN	116.4	LF	$80	$9,312
	Clean Outs	0	EA	$300	$0
	FES's	0	EA	$210	$0
	Retaining Walls (LESS THAN 30" HEIGHT)	92.7	LF	$120	$11,124
					$36,951
	10% Contingency				$3,695.1
	Total Private Improvements To Be Inspected				$40,645.7

Item #	Description	Quantity	Unit	Unit Cost	Total Cost
	PRIVATE IMPROVEMENTS NOT TO BE INSPECTED				
	Transportation				
	Paving	0	SY	$110	$0
	Curb/Gutter	0	LF	$11	$0
	Cross Pans	0	SY	$90	$0
	Parking Areas	0	SY	$35	$0
	Sidewalks	3468	SF	$9	$31,212
	Handicapped Ramps	1	EA	$7,500	$7,500
	Water				
	FDC & fire lines to FDC (list types & sizes) (Inspected by Fire, not Public Works)	83.4	LF	$37	$3,086
	Domestic Service Lines (from curb stop to building) (list types & sizes) (Inspected by the Building Division)	65	LF	$25	$1,625
	Irrigation Lines (past meter)	110	LF	$25	$2,750
	Sanitary Sewer				$0
	Service Lines (list types and sizes)	279.3	LF	$45	$12,569
	Clean-Outs (list sizes)	4	EA	$500	$2,000
					$60,741
	10% Contingency				$6,074.1
	Total Private Improvements Not To Be Inspected				$66,815.4

	Grand Total	**$229,912.36**

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.