



North Ogden City Corporation

DETENTION BASIN ONLY

Construction Cost Estimate

Location: 150 East 2300 North

Date: April 9, 2018

Item	Description	Quantity	Unit	Unit Price	Total Amount	Developer Contribution	City Contribution
Property Acquisition							
	Property appraisal	1	ls	\$5,000.00	\$5,000.00		\$5,000.00
	Property survey and subdivision plat	1	ls	\$5,000.00	\$5,000.00		\$5,000.00
	Property purchase complete with title work	6.6	ac	\$200,000.00	\$1,320,000.00		\$1,320,000.00
Subtotal					\$1,330,000.00		
Reports and Studies							
	Geotechnical investigation	1	ls	\$5,000.00	\$5,000.00		\$5,000.00
	Topographical survey and utility location	1	ls	\$4,000.00	\$4,000.00		\$4,000.00
	Environmental review	1	ls	\$150,000.00	\$150,000.00		\$150,000.00
Subtotal					\$159,000.00		
Roadway Construction							
1	Mobilization and SWPPP <i>2300 North</i>	1	ls	\$8,000.00	\$8,000.00		\$8,000.00
2	Clear and grub roadway. Haul and dispose of materials. Fine grade and prepare site. (66 foot ROW, 450' on 2300 N)	450	lf	\$3.00	\$1,350.00		\$1,350.00
3	Excavate to subgrade	1,100	cy	\$5.00	\$5,500.00		\$5,500.00
4	Import fill material to subgrade	1,000	ton	\$18.00	\$18,000.00		\$18,000.00
5	Construct roadway section (c&g, sw, 3" AC, 12" UTBC)	450	lf	\$240.00	\$108,000.00		\$108,000.00
<i>Subtotal 2300 North</i>				<i>\$140,850.00</i>			
<i>150 East:</i>							
6	Clear and grub roadway. Haul and dispose of materials. Fine grade and prepare site. (66 foot ROW, 1650' on 150 E)	1,650	lf	\$3.00	\$4,950.00		\$4,950.00
7	Excavate to subgrade	2,000	cy	\$5.00	\$10,000.00		\$10,000.00
8	Import fill material to subgrade	10,200	ton	\$18.00	\$183,600.00		\$183,600.00
9	Construct roadway section (8" UTBC only, no asphalt)	1,650	lf	\$65.00	\$107,250.00		\$107,250.00
<i>Subtotal 150 East</i>				<i>\$305,800.00</i>			
Subtotal					\$446,650.00		
City Utilities in Roadways							
<i>2300 N</i>							
10	Culinary water (8" PVC main with valves and fittings)	450	lf	\$32.00	\$14,400.00	\$14,400.00	
11	Fire hydrant	1	ea	\$4,000.00	\$4,000.00	\$4,000.00	
12	Sanitary sewer (8" main)	850	lf	\$40.00	\$34,000.00	\$34,000.00	
13	Sewer manhole	2	ea	\$4,000.00	\$8,000.00	\$8,000.00	
14	15" RCP storm drain	250	lf	\$40.00	\$10,000.00	\$10,000.00	
15	48" storm drain manholes	2	ea	\$3,000.00	\$6,000.00	\$6,000.00	
16	Storm drain catch basins	2	ea	\$2,500.00	\$5,000.00	\$5,000.00	
<i>Subtotal 2300 N</i>				<i>\$81,400.00</i>			
<i>150 East</i>							
17	15" RCP storm drain	268	lf	\$50.00	\$13,400.00		\$13,400.00
18	Catch basins	14	ea	\$2,500.00	\$35,000.00		\$35,000.00
19	24" RCP storm drain	2,020	lf	\$60.00	\$121,200.00		\$121,200.00
20	Storm drain manholes	6	ea	\$3,000.00	\$18,000.00		\$18,000.00
21	Sanitary sewer to the south (8" main)	460	lf	\$50.00	\$23,000.00		\$23,000.00
22	Sewer manhole	2	ea	\$4,000.00	\$8,000.00		\$8,000.00
<i>Subtotal 150 East</i>				<i>\$210,600.00</i>			

Item	Description	Quantity	Unit	Unit Price	Total Amount	Developer Contribution	City Contribution
<u>Piping from Old Basin to New Basin</u>							
23	54" RCP storm drain.	2,002	lf	\$240.00	\$480,480.00		\$480,480.00
24	54" Elliptical RCP storm drain	148	lf	\$280.00	\$41,440.00		\$41,440.00
25	4'x8' storm drain junction box	3	ea	\$15,000.00	\$75,000.00		\$75,000.00
26	8'x8' storm drain junction box	3	ea	\$25,000.00	\$30,000.00		\$30,000.00
27	2550 North Control Structure	1	ea	\$30,000.00	\$30,000.00		\$30,000.00
28	Basin inlet control structure and sediment trap	1	ea	\$35,000.00	\$35,000.00		\$35,000.00
29	Basin outlet control structure	1	ea	\$8,000.00	\$8,000.00		\$8,000.00
30	Basin emergency overflow	1	ea	\$3,000.00	\$3,000.00		\$3,000.00
31	Surface improvements at Maria Montessori Academy	1	ls	\$45,000.00	\$45,000.00		\$45,000.00
32	Asphalt patch on 2550 N storm drain crossing	50	sy	\$60.00	\$3,000.00		\$3,000.00
<i>Subtotal inlet piping and Control Structures</i>					<i>\$750,920.00</i>		
<u>2550 North</u>							
33	36" RCP storm drain	400	lf	\$95.00	\$38,000.00		\$38,000.00
34	72" diameter storm drain manhole	1	ea	\$4,000.00	\$4,000.00		\$4,000.00
35	Asphalt patch	30	sy	\$60.00	\$1,800.00		\$1,800.00
<i>Subtotal 2550 North</i>					<i>\$43,800.00</i>		
Detention Basin Construction					Subtotal		\$1,094,720.00
<u>City Storm Drain Portion</u>							
36	Mobilization and SWPPP	1	ls	\$15,000.00	\$15,000.00		\$15,000.00
37	Excavation and haul off for detention (5 feet deep+15%)	34,635	cy	\$14.00	\$484,890.00		\$484,890.00
38	54" RCP storm drain	120	lf	\$240.00	\$28,800.00		\$28,800.00
39	54" flared end section	1	ls	\$2,900.00	\$2,900.00		\$2,900.00
<i>Subtotal City Portion</i>					<i>\$531,590.00</i>		
51	Chain link fencing	2,001	lf	\$24.00	\$48,024.00		\$48,024.00
<i>Subtotal Pineview Portion</i>					<i>\$48,024.00</i>		
Park Improvements					Subtotal		\$579,614.00
52	Parking lot (31,500 sf)	62	stalls	\$1,500.00	\$93,000.00		\$93,000.00
53	6' wide asphalt trail at top of berm	16,300	sf	\$3.00	\$48,900.00		\$48,900.00
54	Fence upgrade (screened on north and east side of pond)	2,001	lf	\$26.00	\$52,026.00		\$52,026.00
57	Restroom (5 stalls each side)	1	ls	\$300,000.00	\$300,000.00		\$300,000.00
58	Bowery (30'x40')	1	ls	\$75,000.00	\$75,000.00		\$75,000.00
59	Concrete flatwork	4,100	sf	\$6.50	\$26,650.00		\$26,650.00
60	Concrete stairs	300	sf	\$15.00	\$4,500.00		\$4,500.00
61	Landscaping	217,400	sf	\$1.15	\$250,010.00		\$250,010.00
63	Maintenance access ramp	1,350	sf	\$10.00	\$13,500.00		\$13,500.00
64	Playground installation	1	ea	\$160,000.00	\$160,000.00		\$160,000.00
Subtotal							\$1,023,586.00
PROJECT SUBTOTAL =					\$3,144,570.00	\$81,400.00	
20% Contingency =					\$628,914.00	\$16,280.00	
CONSTRUCTION TOTAL =					\$3,773,484.00	\$97,680.00	
Property and Environmental					\$1,489,000.00		
Property Trade					(\$1,320,000.00)		
Total Cost to City =					\$3,942,484.00		