



North Ogden City Corporation

OPHEIKENS COMMUNITY POND

Construction Cost Estimate

Location: 150 East 2300 North

Date: April 9, 2018

NRCS GRANT AVAILABILITY	Not Eligible
	Recreation (50%)
	Irrigation (75%)
	Flood Control (90%)
	Planning & Design (61%)

Item	Description	Quantity	Unit	Unit Price	Total Amount	Notes	NRCS Grant	Developer	WBECED	City Contribution
Property Acquisition										
	Property appraisal	1	ls	\$5,000.00	\$5,000.00	City/WBECED	\$0.00		\$2,500.00	\$2,500.00
	Property survey and subdivision plat	1	ls	\$5,000.00	\$5,000.00	City/WBECED	\$0.00		\$2,500.00	\$2,500.00
	Property purchase complete with title work	6.6	ac	\$200,000.00	\$1,320,000.00	City/WBECED	\$0.00		?	?
Subtotal					\$1,330,000.00					
Reports and Studies										
	Geotechnical investigation	1	ls	\$5,000.00	\$5,000.00	City/WBECED	\$0.00		\$2,500.00	\$2,500.00
	Topographical survey and utility location	1	ls	\$4,000.00	\$4,000.00	City/WBECED	\$0.00		\$2,000.00	\$2,000.00
	Environmental review	1	ls	\$150,000.00	\$150,000.00	NRCS	\$150,000.00			
Subtotal					\$159,000.00					
Roadway Construction										
1	Mobilization and SWPPP	1	ls	\$8,000.00	\$8,000.00	City				\$8,000.00
<i>2300 North</i>										
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	City				\$1,350.00
3	Excavate to subgrade	1,100	cy	\$5.00	\$5,500.00	City				\$5,500.00
4	Import fill material to subgrade	1,000	ton	\$18.00	\$18,000.00	City				\$18,000.00
5	Construct roadway section (c&g, sw, 3" AC, 12" UTBC)	450	lf	\$240.00	\$108,000.00	City				\$108,000.00
<i>Subtotal 2300 North</i>					<i>\$140,850.00</i>					
<i>150 East: This road needs to be partially constructed for storm and irrigation utilities to be installed (25% storm + 19% Irr=44%)</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	44% NRCS, 56% City	\$2,178.00			\$2,772.00
7	Excavate to subgrade	2,000	cy	\$5.00	\$10,000.00	44% NRCS, 56% City	\$4,400.00			\$5,600.00
8	Import fill material to subgrade	10,200	ton	\$18.00	\$183,600.00	44% NRCS, 56% City	\$80,784.00			\$102,816.00
9	Construct roadway section (8" UTBC only, no asphalt)	1,650	lf	\$65.00	\$107,250.00	City (100%)				\$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	Developer		\$14,400.00		
11	Fire hydrant	1	ea	\$4,000.00	\$4,000.00	Developer		\$4,000.00		
12	Sanitary sewer (8" main)	850	lf	\$40.00	\$34,000.00	Developer		\$34,000.00		
13	Sewer manhole	2	ea	\$4,000.00	\$8,000.00	Developer		\$8,000.00		
14	15" RCP storm drain	250	lf	\$40.00	\$10,000.00	Developer		\$10,000.00		
15	48" storm drain manholes	2	ea	\$3,000.00	\$6,000.00	Developer		\$6,000.00		
16	Storm drain catch basins	2	ea	\$2,500.00	\$5,000.00	Developer		\$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	100% NRCS	\$13,400.00			
18	Catch basins	14	ea	\$2,500.00	\$35,000.00	100% NRCS	\$35,000.00			
19	24" RCP storm drain	2,020	lf	\$60.00	\$121,200.00	100% NRCS	\$121,200.00			
20	Storm drain manholes	6	ea	\$3,000.00	\$18,000.00	100% NRCS	\$18,000.00			
21	Sanitary sewer to the south (8" main)	460	lf	\$50.00	\$23,000.00	50% City, 50% NRCS (recreation)	\$11,500.00			\$11,500.00
22	Sewer manhole	2	ea	\$4,000.00	\$8,000.00	50% City, 50% NRCS (recreation)	\$4,000.00			\$4,000.00
<i>Subtotal 150 East</i>					<i>\$210,600.00</i>					
Piping from Old Basin to New Basin										
23	54" RCP storm drain.	2,002	lf	\$240.00	\$480,480.00	100% NRCS	\$480,480.00			
24	54" Elliptical RCP storm drain	148	lf	\$280.00	\$41,440.00	100% NRCS	\$41,440.00			
25	4'x8' storm drain junction box	3	ea	\$15,000.00	\$75,000.00	100% NRCS	\$75,000.00			
26	8'x8' storm drain junction box	3	ea	\$25,000.00	\$30,000.00	100% NRCS	\$30,000.00			
27	2550 North Control Structure	1	ea	\$30,000.00	\$30,000.00	100% NRCS	\$30,000.00			
28	Basin inlet control structure and sediment trap	1	ea	\$35,000.00	\$35,000.00	100% NRCS	\$35,000.00			
29	Basin outlet control structure	1	ea	\$8,000.00	\$8,000.00	100% NRCS	\$8,000.00			
30	Basin emergency overflow	1	ea	\$3,000.00	\$3,000.00	100% NRCS	\$3,000.00			
31	Surface improvements at Maria Montessori Academy	1	ls	\$45,000.00	\$45,000.00	100% NRCS	\$45,000.00			
32	Asphalt patch on 2550 N storm drain crossing	50	sy	\$60.00	\$3,000.00	100% NRCS	\$3,000.00			
<i>Subtotal inlet piping and Control Structures</i>					<i>\$750,920.00</i>					

Item	Description	Quantity	Unit	Unit Price	Total Amount	Notes	NRCS Grant	Developer	WBEC	City Contribution
2550 North										
33	36" RCP storm drain	400	lf	\$95.00	\$38,000.00	100% NRCS	\$38,000.00			
34	72" diameter storm drain manhole	1	ea	\$4,000.00	\$4,000.00	100% NRCS	\$4,000.00			
35	Asphalt patch	30	sy	\$60.00	\$1,800.00	100% NRCS	\$1,800.00			
				<i>Subtotal 2550 North</i>	\$43,800.00					
Subtotal					\$1,094,720.00					
Detention Basin Construction										
City Storm Drain Portion										
36	Mobilization and SWPPP	1	ls	\$15,000.00	\$15,000.00	100% NRCS	\$15,000.00			
37	Excavation and haul off for detention (5 feet deep+15%)	34,635	cy	\$14.00	\$484,890.00	100% NRCS	\$484,890.00			
38	54" RCP storm drain	120	lf	\$240.00	\$28,800.00	100% NRCS	\$28,800.00			
39	54" flared end section	1	ls	\$2,900.00	\$2,900.00	100% NRCS	\$2,900.00			
40	18" RCP wading pool water supply pipe	430	lf	\$46.00	\$19,780.00	100% NRCS	\$19,780.00			
41	12" RCP wading pool water supply pipe	108	lf	\$32.00	\$3,456.00	100% NRCS	\$3,456.00			
42	4" NDS Ezflow 1001F french-drain pipe for wading pool	350	lf	\$140.00	\$49,000.00	100% NRCS	\$49,000.00			
43	Retaining wall along 2300 N	3,600	sf	\$32.00	\$115,200.00	100% NRCS	\$115,200.00			
				<i>Subtotal City Portion</i>	\$719,026.00					
Pineview Irrigation Portion										
44	Clear and grub temporary access roadway. Haul and dispose of materials. Fine grade and prepare site. (12' wide on 2300 N)	450	lf	\$1.50	\$675.00	75% NRCS, 25% WBEC	\$506.25		\$168.75	
45	Temporary 12' wide gravel access road	450	lf	\$25.00	\$11,250.00	75% NRCS, 25% WBEC	\$8,437.50		\$2,812.50	
46	Excavation and haul off for irrigation pond (10 feet deep+15%)	25,500	cy	\$24.00	\$612,000.00	75% NRCS, 25% WBEC	\$459,000.00		\$153,000.00	
47	Pond liner - 2 layers (not in storm drain section)	78,000	sf	\$7.00	\$546,000.00	75% NRCS, 25% WBEC	\$409,500.00		\$136,500.00	
48	Sand layer between liners (6" thick)	8,274	ton	\$15.00	\$124,110.00	75% NRCS, 25% WBEC	\$93,082.50		\$31,027.50	
49	Cobble layer at bottom of pond (6" thick)	8,274	ton	\$16.00	\$132,384.00	75% NRCS, 25% WBEC	\$99,288.00		\$33,096.00	
50	Dewatering	90	days	\$420.00	\$37,800.00	75% NRCS, 25% WBEC	\$28,350.00		\$9,450.00	
51	Chain link fencing	2,001	lf	\$24.00	\$48,024.00	75% NRCS, 25% WBEC	\$36,018.00		\$12,006.00	
				<i>Subtotal Pineview Portion</i>	\$1,512,243.00					
Subtotal					\$2,231,269.00					
Park Improvements										
52	Parking lot (31,500 sf)	62	stalls	\$1,500.00	\$93,000.00	50% NRCS, 50% City	\$46,500.00			\$46,500.00
53	6' wide asphalt trail at top of berm	16,300	sf	\$3.00	\$48,900.00	50% NRCS, 50% City	\$24,450.00			\$24,450.00
54	Fence upgrade (screened on north and east side of pond)	2,001	lf	\$26.00	\$52,026.00	50% NRCS, 50% City	\$26,013.00			\$26,013.00
55	Retaining wall to separate wading pool	1,500	sf	\$30.00	\$45,000.00	50% NRCS, 50% City	\$22,500.00			\$22,500.00
56	Ramp from parking lot to pond (6 ft wide)	165	lf	\$40.00	\$6,600.00	50% NRCS, 50% City	\$3,300.00			\$3,300.00
57	Restroom (5 stalls each side)	1	ls	\$300,000.00	\$300,000.00	50% NRCS, 50% City	\$150,000.00			\$150,000.00
58	Bowery (30'x40')	1	ls	\$75,000.00	\$75,000.00	50% NRCS, 50% City	\$37,500.00			\$37,500.00
59	Concrete flatwork	4,100	sf	\$6.50	\$26,650.00	50% NRCS, 50% City	\$13,325.00			\$13,325.00
60	Concrete stairs	700	sf	\$15.00	\$10,500.00	50% NRCS, 50% City	\$5,250.00			\$5,250.00
61	Landscaping	68,860	sf	\$1.15	\$79,189.00	50% NRCS, 50% City	\$39,594.50			\$39,594.50
62	Sand Play area	82,000	sf	\$3.00	\$246,000.00	50% NRCS, 50% City	\$123,000.00			\$123,000.00
63	Maintenance access ramp	1,350	sf	\$10.00	\$13,500.00	50% NRCS, 50% City	\$6,750.00			\$6,750.00
Subtotal					\$996,365.00					
PROJECT SUBTOTAL =					\$4,769,004.00		\$3,436,572.75	\$81,400.00	\$378,060.75	\$872,970.50
20% Contingency =					\$953,800.80		\$687,314.55	\$16,280.00	\$75,612.15	\$174,594.10
CONSTRUCTION TOTAL =					\$5,722,804.80		\$4,123,887.30	\$97,680.00	\$453,672.90	\$1,047,564.60

NRCS Grant Application Breakdown	Sponsor Participation	NRCS Request	Total
Planning	\$175,500.00	\$274,500.00	\$450,000.00
Irrigation Pond Construction	\$453,672.90	\$1,361,018.70	\$1,814,691.60
Flood Control	\$133,425.60	\$2,146,449.60	\$2,279,875.20
Recreation Facilities	\$616,419.00	\$616,419.00	\$1,232,838.00
NRCS Grant Application Subtotal	\$1,379,017.50	\$4,398,387.30	\$5,777,404.80

Items not Eligible for NRCS Grant	Developer Participation	Total
Property Acquisition and Easements	\$1,320,000.00	\$1,320,000.00
Other Costs	\$297,720.00	\$395,400.00
Not Eligible Subtotal	\$1,617,720.00	\$1,715,400.00

Project Cost Totals **\$2,996,737.50** **\$7,492,804.80**

Sponsor Participation	\$	1,379,017.50
Pineview Contribution	\$	(541,422.90)
Other Construction Costs Not Eligible	\$	297,720.00
Piping Already Completed	\$	498,000.00
Outdoor Recreation Grant	\$	(100,000.00)
Property and Environmental	\$	1,489,000.00
Property Trade	\$	(1,320,000.00)
Total Cost to City	\$	1,702,314.60