Ivins City Staff Report
City Council Meeting 6/21/2018

Agenda Item: Approval of Change Order to relocate waterlines and storm drain necessitated by the new Fire Lake Park/Ivins Reservoir Road

Submitted by: Charles R Gillette, P.E., Public Works Director and City Engineer

Recommended City Council Action:
Approve changes to the items and quantities shown in the attached spreadsheet in lieu of cash payment to Kayenta for the purchase of parking lot.

BACKGROUND:

On February 15, 2018, the City Council approved the purchase agreement of the Fire Lake Park, parking area from Terry Marten/Kayenta. The agreement included the proposal to install improvements for Terry Marten in connection with the installation of the access road to Fire Lake park in lieu of cash payment. Originally it was estimated that the City would pay for $115,000 to $120,000 of development related expenses and then pay cash to Kayenta for the remainder of the obligation up to the agreed price of $145,000 for the parking lot property.

FINDINGS AND ANALYSIS:

Since this agreement, there have been many changes to the plan. Many of the waterlines and storm drain lines have been realigned, and Terry Marten has opted to extend a 12-inch storm drain pipeline down the future frontage roadway to the wash. It is proposed that the City approve these changes necessitated by the new Fire Lake Road, in lieu of the cash payment per the new configuration.

Including this change order, the total value of these exchanged improvements will not exceed the agreed price of $145,000 (see the attached spreadsheet). It is not necessary to amend the agreement.

SUPPORT MATERIALS:

Change Order Spreadsheet
Map of Reconfigured Utilities

FINANCIAL IMPACT:

No additional expenditure is being requested.

Respectfully Submitted:

Charles Gillette, P.E., Public Works Director/City Engineer

Content Review:

Dale Coulam, City Manager

Fire Lake Park - Parking and Entrance Roadway
Agreement with Terry Marten for Parking Lot Purchase

Item #	Quantity		Description	Unit Cost	Total Cost	Kayenta Orig. Cost	Kayenta New Cost Share	Change	
Mobilization/SWPPP/Dust Control									
1	1.0	LS	Mobilization	$15,000.00	$15,000.00	$1,625.00	$975.00	$ (650.00)	Note: Change reflects unit price change
2	1.0	LS	Storm Water Pollution Prevention	$1,000.00	$1,000.00	$42.25	$65.00	$ 22.75	Note: Change reflects unit price change
3	1.0	LS	Dust Control	$2,500.00	$2,500.00	$16.90	$162.50	$ 145.60	Note: Change reflects unit price change
					$18,500.00	**$1,684.15**	**$1,202.50**	**$ (481.65)**	
Grading									
4	2,300	cy	Grading (Cut 2300 cy; Fill 1300 cy)	$5.50	$12,650.00	$822.25	$822.25	$ -	
5	3,500	cy	2' Over Ex (3500 cy)	$5.50	$19,250.00	$1,251.25	$1,251.25	$ -	
6	2,800	cy	EXPORT (80% of Over-ex)	$5.00	$14,000.00	$546.00	$910.00	$ 364.00	Note: Change reflects unit price change
7	3,000	cy	IMPORT	$4.75	$14,250.00	$585.00	$926.25	$ 341.25	Note: Change reflects unit price change
8	215	lf	Retaininag Wall Prep	$3.00	$645.00	$0.00	$0.00	$ -	
9	1,975	lf	Curb Prep	$4.00	$7,900.00	$1,092.00	$1,092.00	$ -	
10	53,000	sf	Final-grading for roadways	$0.18	$9,540.00	$639.00	$639.00	$ -	
					$78,235.00	**$4,935.50**	**$5,640.75**	**$ 705.25**	
Sewer Utilities									
11	988	lf	4" HDPE Sewer Main	$12.00	$11,856.00	$0.00	$8,880.00	$ 8,880.00	Note: Sewerline installed for Kayenta at Entrance Roadway
					$11,856.00	**$0.00**	**$8,880.00**	**$ 8,880.00**	
Water Utilities									
17	800	lf	8" C-900 water main (Material)	$28.00	$22,400.00	$20,440.00	$20,720.00	$ 280.00	Note: Waterline rerouted per attached plan
19	900	lf	4" C-900 irrigation main	$12.00	$10,800.00	$8,760.00	$8,880.00	$ 120.00	Note: Waterline rerouted per attached plan
20	2	ea	Fire hydrants w/ 6" line and valve	$3,750.00	$7,500.00	$0.00	$1,875.00	$ 1,875.00	Note: Shared Fire Hydrant installed at entrance
21	5	ea	Raise/concrete valve	$150.00	$750.00	$150.00	$450.00	$ 300.00	Note: Valving added
22	4	ea	8" Gate Valve	$2,100.00	$8,400.00	$2,100.00	$6,300.00	$ 4,200.00	Note: Valving added
23	3	ea	Single 1" water service w/ 3/4" setter	$600.00	$1,800.00	$0.00	$300.00	$ 300.00	Note: Water Service line added
					$51,650.00	**$31,450.00**	**$38,525.00**	**$7,075.00**	
Roadway									
25	4,400	sf	4" plant mix asphalt w/ prime (Hwy)	$2.30	$10,120.00	$4,400.00	$5,060.00	$ 660.00	Note: Change reflects unit price change
26	4,400	sf	8" untreated type II gravel road base (Hwy) (Material)	$0.60	$2,640.00	$1,320.00	$1,320.00	$ -	
27	4,400	sf	8" untreated type II gravel road base (Hwy) (Installation)	$0.20	$880.00	$440.00	$440.00	$ -	
28	43,000	sf	2 1/2" plant mix asphalt w/ prime	$1.25	$53,750.00	$4,792.50	$4,437.50	$ (355.00)	Note: Change reflects unit price change
29	43,000	sf	6" untreated type II gravel road base (Material)	$0.60	$25,800.00	$2,130.00	$2,130.00	$ -	
30	43,000	sf	6" untreated type II gravel road base (Installation)	$0.15	$6,450.00	$532.50	$532.50	$ -	
34	54,300	sf	Premium Seal	$0.15	$8,145.00	$532.50	$532.50	$ -	
					$107,785.00	**$14,147.50**	**$14,452.50**	**$305.00**	
Site									
38	550	lf	"A" Curb	$12.50	$6,875.00	$0.00	$0.00	$ -	
39	368	lf	Modified curb	$12.75	$4,692.00	$2,730.00	$3,480.75	$ 750.75	Note: Change reflects unit price change
40	33	lf	Zero Face Curb	$19.50	$643.50	$0.00	$0.00	$ -	
41	1,537	lf	30" Curb and Gutter	$12.75	$19,596.75	$660.00	$765.00	$ 105.00	Note: Change reflects unit price change
42	214	lf	Retaining Wall and footings	$65.00	$13,910.00	$877.50	$877.50	$ -	
43	250	lf	Privacy Wall (6')	$98.00	$24,500.00	$10,302.50	$12,250.00	$ 1,947.50	Note: Change reflects unit price change
53	160	lf	City Conduit Crossing (1 - 4" / 2 - 2")	$15.00	$2,400.00	$0.00	$225.00	$ 225.00	
54	-	lf	Kayenta Conduit Crossing (1 - 4" / 2 - 2")	$15.00	$0.00	$2,400.00	$0.00	$ (2,400.00)	
56	-	lf	Kayenta Conduit (2 - 2")	$18.00	$0.00	$11,700.00	$13,320.00	$ 1,620.00	
57	-	lf	Utilities Conduit (1 - 3" / 2 - 2")	$12.00	$0.00	$7,800.00	$0.00	$ (7,800.00)	
					$72,617.25	**$36,470.00**	**$30,918.25**	**$ (5,551.75)**	
Drainage									
59	630	lf	12" Storm Drain (Material & Installation)	$20.00	$12,600.00	$1,100.00	$1,100.00	$ -	
59	800	lf	12" Storm Drain (Kayenta's extension to wash)	$20.00	$16,000.00		$16,000.00	$ 16,000.00	Note: Change reflects extending the storm drain from the access road to the wash
60	88	lf	18" Storm Drain (Material & Installation)	$30.00	$2,640.00	$0.00	$0.00	$ -	

61	470	lf	24" Storm Drain (Installation)	$25.10	$11,797.00	$4,016.00	$4,643.50	$ 627.50	Note: Change reflects minor changes in quantities
62	400	lf	24" Storm Drain (Material)	$27.82	$11,128.00	$0.00	$2,364.70	$ 2,364.70	Note: Change reflects minor changes in quantities
63	100	lf	24" Storm Drain (Material)	$31.16	$3,116.00	$4,985.34	$3,116.00	$ (1,869.34)	Note: Change reflects minor changes in quantities
64	11	ea	Storm Drain Inlet 2x3 (Material)	$1,473.00	$16,203.00	$0.00	$2,946.00	$ 2,946.00	Note: Change reflects minor changes in quantities
65	11	ea	Storm Drain Inlet 2x3 (Installation)	$1,250.00	$13,750.00	$0.00	$2,500.00	$ 2,500.00	Note: Change reflects minor changes in quantities
66	4	ea	Storm Drain Inlet 3x3 (Material)	$1,850.00	$7,400.00	$0.00	$2,312.50	$ 2,312.50	Note: Change reflects minor changes in quantities
67	4	ea	Storm Drain Inlet 3x3 (Installation)	$2,300.00	$9,200.00	$0.00	$2,875.00	$ 2,875.00	Note: Change reflects minor changes in quantities
68	2	ea	Storm Drain Inlet 4x4 (Material)	$2,405.00	$4,810.00	$4,810.00	$1,803.75	$ (3,006.25)	Note: Change reflects minor changes in quantities
69	2	ea	Storm Drain Inlet 4x4 (Installation)	$2,345.00	$4,690.00	$4,690.00	$1,758.75	$ (2,931.25)	Note: Change reflects minor changes in quantities
70	1	ea	Headwall	$2,200.00	$2,200.00	$0.00	$0.00	$ -	
71	-	lf	24" Storm Drain (Installation) - extend to wash	$25.10	$0.00	$941.25	$0.00	$ (941.25)	Note: Change reflects minor changes in quantities
72	-	lf	24" Storm Drain (Material) - extend to wash	$31.16	$0.00	$1,168.44	$0.00	$ (1,168.44)	Note: Change reflects minor changes in quantities
72.5	-	ea	Storm Drain Inlet 3x3 (Material)	$1,850.00	$0.00	$925.00	$0.00	$ (925.00)	Note: Change reflects minor changes in quantities
73	-	ea	Storm Drain Inlet 3x3 (Installation)	$2,300.00	$0.00	$1,150.00	$0.00	$ (1,150.00)	Note: Change reflects minor changes in quantities
74	85	lf	Rock Excavation Clause	$25.00	$2,125.00	$1,500.00	$425.00	$ (1,075.00)	Note: Change reflects minor changes in quantities
					$117,659.00	**$25,286.03**	**$41,845.20**	**$16,559.17**	

Engineering/Staking

#REF!	1	ls	Engineering	$27,000.00	$27,000.00	$1,755.00	$1,755.00	$ -
78	1	ls	Testing	$5,000.00	$5,000.00	$325.00	$325.00	$ -
79	500	hr	Construction Staking	$35.00	$17,500.00	$520.00	$520.00	$ -
					$49,500.00	**$2,600.00**	**$2,600.00**	**$0.00**

Change Order Items

80	1	ea	HDPE Inlet	$1,200.00	$1,200.00	$0.00	$600.00	$600.00	Note: Change reflects minor changes in quantities

$117,946.78	**$144,664.20**	**$28,091.02**