



WATER-RIGHT DOCKET

Yellowstone National Park

Docket No: 10

MADISON JUNCTION CAMPGROUND, PICNIC AREA

Other Supporting Information

04-18-1963: face sheet for completion report: work order no. b-18-yel (332.42)

Form 10-104 June 1962		Work Order No. B-18-YEL (332.42)	
Park Yellowstone National Park		Fund Symbol 14-R-1035	
Location in Park Madison Junction		Year Programmed 1960	
Region Midwest		PCP No. U-193	
State(s) Wyoming		Master Plan No.	
County or Counties		Master Plan Corrected By	
☒ Contract and/or ☒ Day Labor		As Built Drawings By	
Work Order Title Water, Sewer and Power, New Development, Madison Jct. Campground and Government Utility Area		Date Started Oct. 8, 1959	
		Date Completed Jan. 9, 1963	
DESCRIPTION OF FIXED ASSETS (For completion by employee in charge of project)		TOTAL COSTS (For completion by FFO)	
Contract 14-10-243-394 Nelson Bros. 257,056.45		298,185.48	
Contract 14-10-243-394 Mannix Electric 14,098.38		17,050.12	
Day Labor 8,147.83		9,451.49	
279,902.60			
Water 132,308.29			
Sewer 132,895.99			
Electricity 14,098.38			
279,902.60			
AA-3-1199 8/24/59 247,858.75 AA-3-1685 6/27/61 39.50			
AA-1223 9/16/59 750.00 AA-3-1718 7/24/61 225.00			
AA-3-1326 3/2/60 238.45 AA-3-1933 5/21/62 1,500.00			
AA-3-1357 4/25/60 3,836.00 AA-3-1959 6/19/62 RE 4,000.00			
AA-3-1523 10/7/60 500.00 AA-3-1 7/17/62 4,000.00			
AA-3-1535 10/18/60 1,346.00 AA-3-1757 9/1/62 5,850.00			
AA-3-1603 2/15/61 3,911.35 AA-3-3-77 12/13/62 RE 1,700.00			
AA-3-1611 2/24/61 940.00 AA-3-90 1/22/63 RE 51.27			
AA-3-1670 6/7/61 13,015.75			
AA-3-1682 6/16/61 1,643.13			
Total 279,902.66			
TOTAL		\$ 324,687.09	
DISTRIBUTION			
THE FIXED ASSET DESCRIBED ABOVE HAS BEEN COMPLETED IN ACCORDANCE WITH APPROVED DRAWINGS, SPECIFICATIONS, AND AUTHORIZED CHANGES			
No.	To	Submitted	Title
1	Director	By: [Signature]	Park Engineer
1	Reg. Director	By: [Signature]	Superintendent
1	WODC	Approved	
1	Engr.	By: [Signature]	
1	Finance	By: [Signature]	
COSTS VERIFIED		Title: [Signature]	
By: [Signature]		Accounting Officer	

NARRATIVE STATEMENT

DESCRIPTION: Construction of Water and Sewer Systems in the Madison Junction Campground, Picnic Area and Government Area, Yellowstone National Park, Wyoming.

Authorization: PCP-U-193, Yellowstone National Park.

Plans, Surveys and Supervision: Working drawings and specifications were prepared in the Western Office, Design and Construction in San Francisco, California. Invitations for Bids for the construction contract were issued and five bids were received at the Bid Opening on August 11, 1959. Nelson Brothers Construction Company of 347 West Sixteenth Street, Salt Lake City, Utah, submitted the low bid for the Main Bid and Alternate Bids, and was subsequently awarded the Contract No. 14-10-243-394 as of October 7, 1959, by the Washington Office of the National Park Service.

Project Activity: Due to the length of time between the Bid Opening and contract approval, the Contractor was able to start work immediately, and the first day of the contract period was established as October 8, 1959, thereby establishing a contract completion date of March 5, 1960 or 150 calendar days. A letter to suspend work was issued, effective November 6, 1959, due to adverse weather conditions preventing and hindering normal working conditions. A Resume Work letter was issued, effective May 16, 1960, which revised the contract completion date to September 12, 1960. The contract completion date was extended thirty (30) calendar days to October 12, 1960 by Change Order No. 4, dated September 11, 1960, due to a relocation of a major Park roadway and power lines. A Stop Work Order was issued, effective October 8, 1960, due to adverse weather conditions. The contract completion date was extended two (2) calendar days by Change Order No. 5, dated June 1, 1961. A Resume Work Order was issued, effective July 3, 1961, which re-established July 8, 1961 as the contract completion date. The reason for this late date in the season for the Resume Work Order was that commercial electric power was only then made available to the entire job site. On July 5, 1961, a Final Inspection of the Water and Sewer Systems installed under this contract was held and several of the Park personnel recommended to the Contracting Officer and Superintendent of Yellowstone National Park that the contract work be accepted.

Engineering, survey work and inspection work on this contract were performed by personnel from WODC, and Fiscal Office work was performed by Park personnel.

Work Accomplished:

		<u>MAIN BID - WATER SYSTEM</u>		
<u>Item</u>		<u>Unit Price</u>	<u>Quantity</u>	<u>Amount</u>
1. 470	L.F., 6-inch CIMJ Cement Lined Pipe	\$9.20	465	\$4,279.00
2. 3460	L.F., 8-inch CIMJ Cement Lined Pipe	6.45	3277	21,136.65
3. 1350	L.F., 6-inch CIMJ Cement Lined Pipe	4.40	1315	5,786.00
4. 1050	L.F., 4-inch CIMJ Cement Lined Pipe	3.35	994	3,329.90
5. 6650	L.F., 2-inch Gal. Pipe	1.95	6477	12,630.15
6. 4000	L.F., Additional Cost of 2" Water Line for Hand Excavation and Backfill	.70	4000	2,800.00
7. 10	L.F., 1-inch Gal. Pipe	1.80	9	16.20
8. 3045	L.F., 3/4-inch Gal. Pipe	1.25	3020	3,775.00
9. 2100	L.F., Additional Cost to 3/4" Water Line for Hand Excavation and Backfill	.70	2100	1,470.00
10. 200	L.F., 6-inch Perforated VC Water Collection Line	10.75	295	3,171.25
11. 2	Ea., 6-inch Gate Valve w/CI Service Box	86.00	1	86.00
12. 2	Ea., 4-inch Gate Valve w/CI Service Box	75.00	2	150.00
13. 19	Ea., 2-inch Gate Valve w/CI Service Box	46.00	18	828.00
14. 2	Ea., Air & Vacuum Relief Installation	137.50	3	412.50

<u>Item</u>			<u>Unit Price</u>	<u>Quantity</u>	<u>Amount</u>
15.	5	Ea., 2-inch Water Line Drain	\$75.00	3	\$225.00
16.	2	Ea., Standard Fire Hydrant	413.00	2	826.00
17.	11	Ea., Small Size Fire Hydrant	150.00	11	1650.00
18.	51	Ea., Water Hydrant for Campground	56.00	51	2856.00
19.	5	Ea., Standard MH for Water Collection System	340.00	5	1700.00
20.	18	L.F., Extra MH depth for Water Collection System	30.00	10	300.00
21.		L.S., Water Pumphouse & Sump complete w/pumps, pump control, electrical work, chlorinator pipe, valves, etc.	10725.00	100%	10725.00
22.		L.S., 100,000 Gal. Steel Reservoir, furnished & installed	12500.00	100%	12500.00
23.	2	Ea., Valve & Vacuum Breaker	120.00	4	480.00
24.	1	Ea., Valve & Vacuum Breaker	100.00	1	100.00
25.	1	Ea., Vacuum Breaker	75.00	1	75.00

ALTERNATE BID NO. 2 - WATER SYSTEM

1.	700	L.F., 4-inch dia. Class 150 CIMJ Cement Lined Pipe	3.35	570	1909.50
2.	2150	L.F., 2-inch Gal. Pipe	2.00	2445	4890.00
3.	1600	L.F., Additional Cost to 2' Water Line for Hand Excavation & Backfill	.70	365	255.50
4.	100	L.F., 1-inch Gal. Pipe	1.80	46	82.80
5.	1090	L.F., 3/4-inch Gal. pipe	1.25	1085	1356.25

<u>Item</u>	<u>Unit Price</u>	<u>Quantity</u>	<u>Amount</u>
6. 700 L.F., Additional Cost to 3/4" Water Line for Hand Excavation & Backfill	\$.70	569	\$398.30
7. 1 Ea., 4-inch Gate Valve w/CI Service Box	75.00	1	75.00
8. 6 Ea., 2-inch Gate Valve w/CI Service Box	46.00	6	276.00
9. 4 Ea., Small Size Fire Hydrant	150.00	4	600.00
10. 17 Ea., Water Hydrant for Camp-ground	56.00	17	952.00
11. 1 Ea., 2" Water Line Drain	75.00	1	75.00
12. 1 Ea., 1" Water Line Drain	60.00	1	60.00

ALTERNATE BID NO. 3 - WATER SYSTEM

1. 1020 L.F., 8-inch CIMJ Cement Lined Pipe	6.45	1073	6920.85
2. 1400 L.F., 6-inch CIMJ Cement Lined Pipe	4.40	1418	6239.20
3. 205 L.F., 3-inch Gal. Pipe	2.90	168	487.20
4. 500 L.F., 2-inch Gal. Pipe	1.95	477	930.15
5. 90 L.F., 1-inch Gal. Pipe	1.80	166	298.80
6. 365 L.F., 3/4-inch Gal. Pipe	1.25	453	566.25
7. 2 Ea., 6-inch Gate Valve with CI Service Box	86.00	3	258.00
8. 1 Ea., 3-inch Gate Valve with CI Service Box	70.00	0	0.00
9. 6 Ea., 2-inch Gate Valve with CI Service Box	46.00	6	276.00
10. 4 Ea., Standard Fire Hydrant	413.00	4	1652.00
11. 2 Ea., Small Size Fire Hydrant	150.00	2	300.00

<u>Item</u>		<u>Unit Price</u>	<u>Quantity</u>	<u>Amount</u>
12.	14 Ea., Water Connections for Govt. Trailer Court	\$25.00	14	\$350.00
13.	1 Ea., 1-inch Water Line Drain	50.00	1	50.00
14.	2 Ea., Air & Vacuum Relief Installation	137.50	2	275.00
<u>CHANGE ORDER NO. 1</u>				
1.	Furnish all labor, equipment & material & install complete an Add-A-Phase Unit in the Pumphouse to operate the 10 HP Water Pump	750.00	100%	750.00
<u>CHANGE ORDER NO. 2</u>				
1.	Furnish & Install a 4-inch Derssler coupling on 100,000 Gal. Water Reservoir Overflow Pipe	16.75	1	16.75
2.	Furnish & Install an 8-inch Derssler coupling on 100,000 Gal. Water Reservoir Vertical Portion of Supply Line	30.70	1	30.70
3.	Furnish & Install Concrete Box with insulation on exposed portion of 8-inch piping of the supply line at the 100,000 Gal. Reservoir	191.00	1	191.00
<u>CHANGE ORDER NO. 3 - WATER SYSTEM (PCR.)</u>				
1.	8-inch CJ-CL-MJ Class 200 Water Pipe for Gibbon River Crossing	23.65	198	4682.70
<u>CHANGE ORDER NO. 5 - WATER SYSTEM (POR.)</u>				
1.	Install two 3-inch valves on connection to existing Water System			125.00

<u>Item</u>	<u>Unit Price</u>	<u>Quantity</u>	<u>Amount</u>
<u>CHANGE ORDER NO. 4 - WATER SYSTEM (POR.)</u>			
(b) L.S., Removal of stumps on relocated water line & rehandling 500 L.F. of 8-inch pipe	\$148.00	100%	\$148.00
TOTAL - WATER SYSTEM.....			\$126,784.60
<u>MAIN BID - SEWER SYSTEM</u>			
1. 2900 L.F., 8-inch VC Sewer Pipe	3.40	2715	9,231.00
2. 604 L.F., 8-inch CI Soil Pipe	7.00	493	3,451.00
3. 1240 L.F., 6-inch VC Sewer Pipe	3.00	1607	4,821.00
4. 340 L.F., 6-inch CI Soil Pipe	4.70	433	2,035.10
5. 180 L.F., 4-inch CI Force Line	3.60	192	691.20
6. 18 Ea., Standard Sewer MH	270.00	17	4,590.00
7. 21 L.F., Extra Sewer MH Depth	33.00	22	726.00
8. L.S., Sludge Bed	4060.00	100%	4,060.00
9. L.S., Final Clarifier, Pumphouse & Chlorinator	15,000.00	100%	15,000.00
10. L.S., Standard Rate Trickling Filter	23329.00	100%	23,329.00
11. L.S., Primary Clarifier	10,053.00	100%	10,053.00
12. L.S., Sludge Digester	10,952.00	100%	10,952.00
13. 700 L.F., Chain Link Fence	.50	700	350.00
14. 100 L.F., Final Effluent Ditch	1.00	206	206.00
<u>ALTERNATE BID NO. 1</u>			
1. 425 L.F., 6-inch VC Sewer Pipe	3.00	507	1,521.00
2. 550 L.F., 4-inch CI Force Line	3.60	516	1,857.60

Docket Information

Number of Documents in Docket

7

Documents Dated from 4/18/1963

to 4/18/1963

Docket Compiled: 7/29/2011