



WATER-RIGHT DOCKET

Olympic National Park

Docket No: 30

FAIRHOLM CAMPGROUND. LAKE CRESCENT

Other Supporting Information

01-30-1964: face sheet for completion report: work order no. b-41-olym

Form 10-174 (June 1962)		UNITED STATES DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE		Work Order No. B-41-OLYM (2nd Rev.)	
FACE SHEET FOR COMPLETION REPORT				Fund Symbol 14X1035	
Park Olympic National Park		Region Western		Year Programmed 1963	
Location in Park Fairholm Campground, Lake Crescent		State(s) Washington		PCP No. B-192-2, U-74-1, U-75-2	
		County or Counties Clallam		Master Plan No. NP-OLY-3244	
☒ Contract and/or ☐ Day Labor				Master Plan Corrected By	
Work Order Title Water System, Sewage System, Electrical System				As Built Drawings By	
				Date Started 7/7/62	
				Date Completed 8/30/63	
DESCRIPTION OF FIXED ASSETS (For completion by employee in charge of project)				TOTAL COSTS (For completion by FFO)	
Utilities: Water, Sewage & Electrical Systems					
A. Water System				\$31,264.64	
B. Sewage System				14,478.54	
C. Electrical System				3,752.60	
TOTAL				\$ 49,495.78	
DISTRIBUTION		THE FIXED ASSET DESCRIBED ABOVE HAS BEEN COMPLETED IN ACCORDANCE WITH APPROVED DRAWINGS, SPECIFICATIONS, AND AUTHORIZED CHANGES			
No.	To	Submitted By: E. G. Wilkinson		Title: Proj. Superv., WODC	Date: JAN 28 1964
1	WASO	Approved By: John E. Doerr		Title: Park Eng.	Date: JAN 28 1964
1	West. Reg.	By: Edward S. Kaelin		Title: Superintendent	Date: JAN 30 1964
1	WODC	COSTS VERIFIED		Title: Supervisory Accountant	Date: JAN 30 1964
1	Park	BY: Edward S. Kaelin			

Narrative for Water System, PCP No. U-74-1:

The work accomplished under this project was portion of Contract No. 14-10-0447-557, awarded to J. E. Work, Inc., of Bellevue, Washington. This project consisted of the construction of a complete water system to serve the Fairholm Campground, including three proposed comfort stations, a campground ranger station and a campfire circle. This project consisted of both an intake system and a distribution system.

The intake system consisted of:

1. Perforated pipe infiltration gallery
2. Reinforced concrete collection box
3. 4" asbestos-cement water pipe
4. Hypo-chlorinator building with equipment
5. 2" galvanized steel drain line
6. 6" mechanical joint cast iron drain line
7. 20,000-gallon steel reservoir

The distribution system consisted of:

1. 6" mechanical joint cast iron water pipe
2. 6" asbestos-cement water pipe
3. 4" asbestos-cement water pipe
4. 2" galvanized steel water pipe
5. 2" gate valves with locking cover valve boxes
6. Air-relief valve with corrugated metal valve box
7. 1½" fire hydrant

At the time when the final design was being accomplished for this water system, consideration was being given to a proposal of future expansion to the campground. This proposed campground expansion is in an area located on the northwesterly side of the existing North Shore Road and is adjacent to the present campground location. This area is indicated on Sheet No. 1 of 7 of Drawing No. NP-OLY-3240, "Roads and Trails, Fairholm Campground." The proposed campground expansion would produce approximately eighty additional campsites and would probably require an additional three comfort stations.

The existing water system which was located in this area was constructed by a private individual to serve an old estate located at Fairholm and also to supply water for a small hydro-electric plant located on the shore of Lake Crescent. The existing system consisted of a dam of split cedar puncheon and earth construction, approximately 15'x30'x3' deep. The supply line running to the hydro-electric plant was a 6" wood stave line and the line serving the estate, running from the hydro-electric plant, was a 4" wood stave line. The existing system offered no treatment of any type and no storage capacity except at the dam. The existing system was not capable of supplying either a sufficient quantity of water or the pressure required for the proposed campground development in this area. The existing system was in such a state of decay that it was impossible to use any part of it.

The source of water for this new system is a subsurface gravel stratum varying between one to three feet below the surface. The location of the point of supply is 0.45 mile east and 0.08 mile north from the southwest corner of Section 19, Township 30 North, Range 9 West, W.M. There are several subsurface water-bearing gravel strata in this area. The purpose of the intake system, which consists of perforated pipe in coarse gravel, is to intercept three of these water-bearing gravel strata. However, no attempts were made to determine the rate of flow of each of the water-bearing strata.

The contract work started on July 7, 1962. Work could not commence on that portion of the distribution system located within the campground until the clearing and grubbing operation on the campground loop roads was completed. The contractor started constructing the infiltration gallery, concrete collection box and the grading for the hypo-chlorinator house and 20,000-gallon steel reservoir. While excavating for the infiltration gallery and concrete collection box, excessive amounts of ground water were encountered, causing the work to progress slowly. At this point, the contractor plugged the existing wooden intake pipe and excavated for the drainage ditch to drain the existing collection pond. This operation relieved the problem of excessive ground water. The next work performed was completion of the grading for the hypo-chlorinator house and the 20,000-gallon steel reservoir. The contractor then started laying the 6" asbestos-cement water line along the North Shore Road, and the 4" asbestos-cement water line which ran through the campground area. By the end of August, 1962, a large portion of the 6", 4" and 2" distribution system had been installed. The next operation was the construction of the hypo-chlorinator house and the erection of the 20,000-gallon steel reservoir. By the end of September, 1962, the distribution system and the intake system were near completion. On October 12, 1962, a Stop Work Order was issued due to adverse weather conditions. At the time of the issuance of the Stop Work Order, except for painting the steel reservoir, the installation of a part on the hypo-chlorinator and performing the necessary cleanup throughout the project, the project was complete. All pressure tests had been performed on the distribution system prior to the issuance of the Stop Work Order.

A Resume Work Order was issued effective August 5, 1963, and the balance of the work was completed. On August 30, 1963, a final inspection was held on this project and the work accomplished on the water system was found to be complete and acceptable.

Overruns in some of the quantities occurred and are outlined in the Break down which follows. Adjustments in the alignment of the distribution system, to better suit the actual field conditions, were the prime reason for these overruns.

Docket Information

Number of Documents in Docket 3
 Documents Dated from 1/30/1964 to 1/30/1964
 Docket Compiled: 6/3/2011