



WATER-RIGHT DOCKET

Mount Rainier National Park

Docket No: 23

BOX CANYON PICNIC AREA

Supporting Hydro Data

09-13-1962: completion report of construction project: construction water and sewer system, np-rai 3330-a

Form 10-174
(Rev. 8-56)

UNITED STATES DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE COMPLETION REPORT OF CONSTRUCTION PROJECT

REGION Four	AREA Mount Rainier National Park	COUNTY Lewis	STATE Washington
PROJECT OR JOB TITLE Construction Water and Sewer System		PCP NO. U-76	
LOCATION IN AREA Box Canyon Picnic Area		MASTER PLAN NO.	BUILDING NO.
WORKING DRAWING NO. AND TITLE NP-RAI 3330-A Water and Sewer Systems			
APPROPRIATION TITLE AND SYMBOL Construction, National Park Service 14X1035		WORK ORDER NO. B-7 MORA	
CONTRACT NO. 14-10-0426-577		DATE WORK STARTED Sept. 16, 1959	DATE WORK COMPLETED July 10, 1961 ✓
NAME OF CONTRACTOR Pacific Concrete Company		ADDRESS P. O. Box 7648, Portland, Oregon	

COST ANALYSIS

CONSTRUCTION ITEMS	QTY.	UNIT COST IN PLACE	TOTAL COST IN PLACE
Total Water System (see attached estimate)			\$ 14,813.56
Total Sewer System " " "			9,797.88
P.S.&S. Costs (19.06%)			4,690.94
Costs verified by <u>William D. Donahue</u> for <u>Leroy F. Donahue</u> Supervisory Accountant			
TOTAL			\$ 29,302.38

SUMMARY OF EXPENDITURES

PERSONAL SERVICES	EQUIPMENT	MATERIALS AND SUPPLIES
OTHER P.S.&S \$4,690.94		

CHANGE ORDERS			
ORIGINAL CONTRACT AMOUNT \$25,928.25	FIRST	SECOND	THIRD
FINAL CONTRACT AMOUNT \$24,611.44	FOURTH	FIFTH	SIXTH

THIS PROJECT OR JOB HAS BEEN COMPLETED IN ACCORDANCE WITH APPROVED DRAWINGS, SPECIFICATIONS, AUTHORIZED CHANGES	
APPROVED BY (Name and Title) <u>James L. Bentley, Asst. Park Engr. for Project Supervisor</u>	DATE September 12, 1962
APPROVED BY (Name and Title) <u>John A. Rutter, Superintendent</u>	DATE September 13, 1962

(ATTACH NARRATIVE STATEMENT, PHOTOGRAPHS, AND "AS BUILT" DRAWINGS TO THIS FORM)

Narrative Report

Construction of a water system under contract No. 14-10-0426-577 at the Box Canyon Picnic Area.

Water line construction for the project was started and completed first as the major portion of the line was laid on the road shoulder from a point of connection east of the Cowlitz River to the Box Canyon Picnic Area and it was imperative to avoid as much visitor travel as possible. The work was started on June 19, 1960, and was completed on July 24, 1960.

No change Orders were issued against the project. A usable facility was constructed. No construction pictures are available.

Construction of a sewer system at Box Canyon Picnic Area under same contract as above.

Sewer system construction consisting of a sewer line, manholes, septic tank and drain for a new comfort station to be constructed was started on July 24, 1960 and finished on October 1, 1960.

No particular problems were encountered during construction. No change orders were issued against the project. No pictures are available.

A usable facility was constructed.

Park or Monument Mt. Rainier N.P. (1)		TABULATION OF DATA FOR STUDY OF WATER RIGHTS								National Park Service Office of the Chief Engineer San Francisco, Calif.	
Sheet 1 of 4											
General Name of Water System	2- Location (By Township, Range or Other)	3- Source of Supply (If a Spring, name Stream which is Trib.)	4- Location of Point of Diversion	5- Places Where Water is Used	6- Nature of Use (Domestic, Sani- tary, Fire, etc.)	7- Method of Diversion	8- Cond. of System	9- Place, Amount and Condition of Return. Is there Pollution?			
1. Langmuir	Sec. 28, 29, 32, 33 T15N, R8E	Cold Creek	Sec. 33 T15N, R8E	Headquarters buildings, utility area, residences, camp ground	Domestic, sanitary, fire protection	Dam, pipe line	Good	1/4 mile - Under long term 90% - No Pollution 2- to Nisqually River			
2. Langmuir Operator Station	Sec. 28, 29, 32, 33 T15N, R8E	Creek tributary to Nisqually River	Sec. 29 T15N, R8E	Inn cabins and operator's utilities	Domestic, sanitary, fire protection	Dam, pipe line	Fair	1/4 mile - Under long term 100% - No Pollution 2- to Nisqually River			
3. Rock Crusher	Sec. 28 T15N, R8E	Nisqually River	Sec. 28 T15N, R8E	Rock crusher	Industrial	Pump and pipe line	Good	0.75 mile - Under long term 100% - No Pollution Above Nisqually River			
4. Paradise	Paradise Valley	Edith Creek		Operator, Govt. Bldgs., camp ground	Domestic, sanitary, fire protection	Dam and pipe lines	Fair	1/4 mile - No Pollution 1/4 mile - Below Paradise Park			
5. Yakima Park	Yakima Park	Lodi Creek & Frozen Lake	Berkeley Park	Operator, Govt. Bldgs., camp ground	Domestic, sanitary, fire protection	Dam, pump pipe line	Good	1/4 mile - No Pollution 1/4 mile - Below Paradise Park			
6. White River Entrance	White River	Klickitat Cr.		Govt. buildings	Domestic, sanitary, fire protection	Dam, pipe line	Good	1/4 mile - No Pollution 1/4 mile - Below Paradise Park			
7. Tipsoo Lake (Proposed)	Tipsoo Lake	Springs trib. to Chinook Cr.		Picnic area, comfort stations, future ranger sta.	Domestic, sanitary	Collecting basin pipe line		95% - No Pollution 1/4 mile - Below Paradise Park			
8. Nisqually Entrance Lake George	Sec. 24 T15N, R7E	2 creeks trib. to Nisqually Riv.	Sec. 24 T15N, R7E	Government buildings	Domestic, sanitary	2 Dams, pipe lines	Good	95% - No Pollution 1/4 mile - Below Paradise Park			
9. Ranger Station	Lake George	Lake George		Ranger station	Domestic	Dipped		100% - No Pollution 1/4 mile - Below Paradise Park			
10. St. Andrews Cr. Patrol Cabin	St. Andrews Cr. boundary	St. Andrews Cr.		Patrol cabin	Domestic	Dipped		100% - No Pollution 1/4 mile - Below Paradise Park			
11a. Sunset Park Patrol Cabin (Proposed)	Sunset Park boundary	Lake trib. to Mowich Riv.		Patrol cabin	Domestic	Dipped		100% - No Pollution 1/4 mile - Below Paradise Park			
12. Mowich Entrance (Proposed)	Sec. 27 T17N, R7E	Creek trib. to Mowich Riv.	Sec. 27 T17N, R7E	Maintenance camp, ranger sta. comfort sta.	Domestic, sanitary	Dam and pipe line		95% - No Pollution 1/4 mile - Below Paradise Park			
13. Mowich Lake Ranger Station	Sec. 25 T17N, R7E	Mowich Lake	Sec. 25 T17N, R7E	Ranger Station	Domestic	Dipped		100% - No Pollution 1/4 mile - Below Paradise Park			
13a. Mowich Lake (Proposed)	Sec. 25 T17N, R7E	Creek Trib. to Mowich Riv.	Sec. 25 T17N, R7E	Ranger Station, Camp Ground	Domestic, sanitary	Dam and pipe line		95% - No Pollution 1/4 mile - Below Paradise Park			

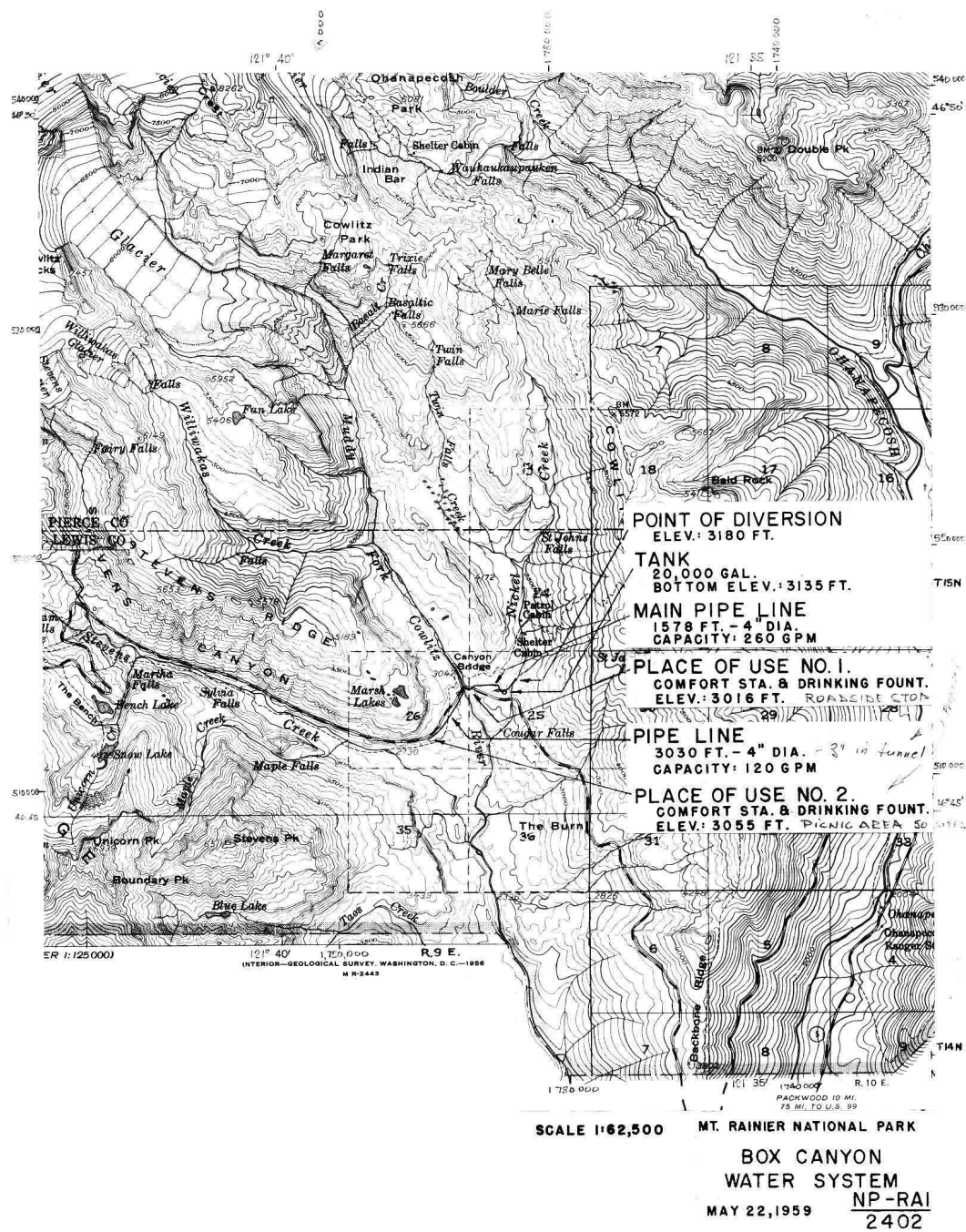
Note: In answering, please refer to Letter of the Director under Date of Feb. 7, 1935.

When space in column is inadequate, write information on separate sheet and indicate in column by "Note A," "Note B," etc.

4-5110

Note: In answering, please refer to Letter of the Director under Date of Feb. 7, 1935.
When space in column is inadequate, write information on separate sheet and
indicate in column by "Note A", "Note B", etc.

Refer to Docket No. MORA-0001 Laughingwater Pipeline for a complete inventory of all
existing water uses/rights/systems in Mount Rainier National Park as of May 1935.



Docket Information

Number of Documents in Docket 4

Documents Dated from 5/22/1959 to 9/13/1962

Docket Compiled: 5/27/2011