



WATER-RIGHT DOCKET

Yosemite National Park

Docket No: 5

UPPER TENAYA WATER SYSTEM

Preliminary Docket Information

05-25-1979: water right/source docket information

DOCKET (FILE) TITLE		DATE: May 25, 1979
REGION	Western	AREA Yosemite National Park
SITE	Upper Tenaya Water System	
STATE	California	COUNTY Mariposa DOCKET NO. WR #5
LOCATION	TIS R23E	
REGIONAL BASIN	LOCAL BASIN	
ACQUIRED BY	Reservation	
APPLICATION	PERMIT	CERTIFICATE
ACTION DUE	PRIORITY	RESERVATION October 1, 1890
QUANTITY	USE	
STATUS	SOURCE Surface Water - Stream	
REMARKS	Hydrologic Unit #18040004	
<u>NARRATIVE:</u>		
Some time ago the area around Tenaya Lake was developed for visitor use. The north east end of the lake had a picnic area and about 50 campsites. In 1959 water, sewer, and electrical improvements were made and the old system was ripped out. For some reason the area was referred to as "Upper Tecoya" rather than "Upper Tenaya". It is not known whether that was the original name for the area or if there was some kind of a misprint in the reports, or if the reports actually concern some other area no longer in existence. No checks of this area have been made in recent history and the status, location, and composition of the system is unknown.		
Completed by T. Kern		
Approved by		

Form 10-174 (Rev. 1/56)		UNITED STATES DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE		REPORT 7 SPL
COMPLETION REPORT OF CONSTRUCTION PROJECT				
REGION Four	AREA Yosemite National Park	COUNTY Mariposa	STATE California	
PROJECT OR JOB TITLE Utilities, Upper Tecoya Area (Completion)		MASTER PLAN NO. NP-YOS-5312A	PCP NO. U-70-1 U-27-4	
LOCATION IN AREA Yosemite Valley		BUILDING NO. --		
WORKING DRAWING NO. AND TITLE NP-YOS-3401 Water and Sewer Extensions, Upper Tecoya				
APPROPRIATION TITLE AND SYMBOL NP-YOS-3406 Electric System Improvements, Yosemite Valley				
CONTRACT NO. 14-1035 Construction, National Park Service		ACCOUNT NO. 332.13		
NAME OF CONTRACTOR Collins Electric Co., Inc.		DATE WORK STARTED November 1956		
ADDRESS Box 1609, Stockton, California		DATE WORK COMPLETED November 1958		
Manuel Smith Construction Co.		Box 524, Atwater, California		
COST ANALYSIS				
CONSTRUCTION ITEMS	QTY	UNIT COST IN PLACE	TOTAL COST IN PLACE	
A. Water System (Smith Contract)	1 job		\$14,452.09	
B. Sewer System (Smith Contract)	1 job		16,103.80	
C. Partial Water and Sewer (Day Labor)	1 job		6,511.81	
D. Electric System (Collins' Contract)	1 job		19,391.10	
E. Water and Sewer Connections (Day Labor)	1 job		9,740.85	
F. Electric Meter Connections (Day Labor)	1 job		377.44	
G. Demolish old electric line (Day Labor)	1 job		686.16	
H. Utility Connections, teacherage (Day Labor)	1 job		1,196.33	
Expenditures verified by Field Finance Office				
<i>Class F. Hill</i> Administrative Officer				
TOTAL		\$68,459.58		
SUMMARY OF EXPENDITURES				
PERSONAL SERVICES \$7,422.61	EQUIPMENT \$222.12	MATERIALS AND SUPPLIES \$8,111.43		
OTHER		Equip. Other Direct, \$238.27; Facil. Service, \$740.58; Equip. Op., \$1,071.79, Dept. \$979.78		
CHANGE ORDERS				
ORIGINAL CONTRACT AMOUNT Smith \$28,012.00 Collins \$19,293.00	FIRST	SECOND	THIRD	
FINAL CONTRACT AMOUNT Smith \$30,380.00 Collins \$19,293.00	FOURTH	FIFTH	SIXTH	
THIS PROJECT OR JOB HAS BEEN COMPLETED IN ACCORDANCE WITH APPROVED DRAWINGS, SPECIFICATIONS, AUTHORIZED CHANGES				
SUBMITTED BY (Name and title) <i>H. J. Allcock</i> Park Engineer		DATE January 29, 1959		
APPROVED BY (Name and title) <i>John G. Preston</i> Superintendent		DATE January 29, 1959		
(ATTACH NARRATIVE STATEMENT, PHOTOGRAPHS, AND "AS BUILT" DRAWINGS TO THIS FORM.)				

UTILITIES, UPPER TECOYA AREAYOSEMITE VALLEY

PCP U-70-1 and U-27-4

Account 332.13

A and B Contract Water and Sewer Work

	A. <u>Water System</u>	B. <u>Sewer System</u>
Contract Cost	\$14,346.00	\$16,034.00
Facilitating Services	102.84	67.50
Telephone Toll	3.25	2.30
TOTAL	\$14,452.09	\$16,103.80

Contract water and sewer work for this project was combined as a "package" for construction purposes with the water and sewer system in Bridalveil Creek Campground, Account 333.9 (\$46,833.45) and Utilities, White Wolf Development, Account 332.12 (\$40,130.00) for a total final contract cost, including change orders, of \$127,343.45.

Plans and specifications were prepared by and invitations to bid were distributed by the Western Office, Division of Design and Construction. Bids were opened in Yosemite National Park on July 10, 1957 and Contract No. 14-10-444-372 was awarded to the low total bidder, Manuel Smith, P. O. Box 524, Atwater, California, in the amount of \$123,425.75.

Unit costs for that portion of the contract covered by this project were as follows:

UPPER TECOYA WATER SYSTEM EXTENSION

Item	Estimated Units	As Constructed Units	Unit Cost	Contracted Costs	Final as Constructed Cost
1. 6" cement lined Water Pipe	2,275 L.F.	2,153	4.00	\$9,100.00	\$8,612.00
2. 5" fire hydrants	8 each	7	400.00	3,200.00	2,800.00
3. 6" valves & C.I. Valve Boxes	6 each	6	150.00	900.00	900.00
4. Classified rock excavation	180 c.y.	101.7	20.00	3,600.00	2,034.00
TOTAL				\$16,800.00	\$14,346.00

UPPER TECOYA SEWER SYSTEM EXTENSION

<u>Item</u>	<u>Estimated Units</u>	<u>As Constructed Units</u>	<u>Unit Cost</u>	<u>Contracted Costs</u>	<u>Final As Constructed Cost</u>
1. 6" cement lined C.I. pipe	1,378 l.f.	1,563.5	4.00	\$5,512.00	\$6,254.00
2. Concrete Manholes	11 each	11	300.00	3,300.00	3,300.00
3. Classified Rock Excavation	120 c.y.	32 ⁴	20.00	2,400.00	6,480.00
		TOTAL		\$11,212.00	\$16,034.00

All work was completed in accordance with the plans and specifications and the contract was accepted on October 23, 1958. Work was performed under the supervision of WODC Project Supervisor Mr. Dick Ketcham.

C. Partial Water and Sewer (Day Labor) \$6,511.81

In 1956 a partial allotment of funds was made to cover the cost of extending water and sewer services to three residences (Nos. 650, 651 and 652) constructed by the Pacific Telephone and Telegraph Co. for their employees. The 6" cement lined C.I. water main was extended, a 5" fire hydrant was placed and service connections with three water meters were provided. The 6" sewer line was extended with C.I. cement lined pipe from an existing manhole. Two manholes were constructed and service connections for the three residences were provided.

D. Contract Electrical Work

Contract Cost:	\$19,293.00
Facil. Services	98.10
Total	\$19,391.10

Contract electrical work for this project was combined as a "package" for construction purposes with electrical work in 332.14, 11,000 volt tie line (\$117,859.05) and 332.15, Completion, Utilities, Yosemite Village (\$13,385.22) for a total contract cost, including change orders, of \$150,537.27.

Plans and specifications were prepared by and invitations to bid were distributed by the Western Office, Division of Design and Construction. Bids were opened in Yosemite National Park on August 13, 1957, and Contract No. 14-10-444-382 was awarded to the low total bidder, Collins Electrical Co., Box 1609, Stockton, California, in the amount of \$147,508.40.

Unit costs for that portion of the contract covered by this project were as follows:

6. Upper Tecoya Transmission and Distribution System

Reconstruct and relocate approximately 670 feet 2400 volt open wire transmission line. Furnish and install distribution facilities and street lights. Reconnector and add neutral to approximately 800 feet of existing 2400 volt, 3 conductor open wire line. Upper Tecoya area.

	<u>Labor</u>	<u>Material</u>	<u>Total</u>
a. Dig pole holes	\$1,743.00	\$ 190.00	\$ 1,933.00
b. Dig anchor holes	1,600.00	200.00	1,800.00
c. Frame and set poles	700.00	1,900.00	2,600.00
d. String wire - primary	740.00	1,900.00	2,640.00
e. String wire - secondary	450.00	1,100.00	1,550.00
f. Install guys	650.00	1,500.00	2,150.00
g. Install street light fixtures	80.00	100.00	180.00
h. Install transformers	400.00	2,100.00	2,500.00
i. Install service drops	70.00	100.00	170.00
j. Clear right of way	98.00	--	98.00
TOTAL	\$7,603.00	\$10,190.00	\$17,793.00

7. Distribution Line Between Hospital and Church Bowl

Furnish and install distribution line between Hospital and Church Bowl.

	<u>Labor</u>	<u>Material</u>	<u>Total</u>
a. Cable installation	\$ 800.00	\$300.00	\$1,100.00
b. Cable splicing and termination	100.00	200.00	200.00
c. Test completed cable installation	50.00	--	50.00
TOTAL	\$1,000.00	\$500.00	\$1,500.00

All work was completed in accordance with the plans and specifications and the contract was accepted March 5, 1958. Work was performed under the direction of WODC Project Supervisor Mr. Dick Ketcham and Mr. Joe Jenkins.

E. Water and Sewer Connections for Ten New Residences \$9,740.85

Water and sewer connections from the ten new residences to the water and sewer mains constructed by contract were installed by

local park forces. One inch copper water service lines and four inch transite sewer pipe embedded in sand was provided. The building contractor provided building service lines five feet out from each residence.

F. Electric Meter Connections \$377.44

Local park forces provided and installed 50 ampere-3 wire electric meters in meter sockets provided by building contractor and connected the overhead electric service lines to each of the ten new residences.

G. Demolish old 2400 volt overhead electrical distribution line

\$686.16

Eighteen power poles and two 3 phase circuits of No. 2 wire were removed between the Ahwahnee substation and the junction at the Lewis Memorial Hospital. This old distribution line was replaced with a new circuit by the electrical contractor.

H. Utility Connections, Teacherage \$1,196.33

Water, sewer and electrical utility connections were provided for the new three apartment teacherage that was constructed by the Federal Housing and Home Financing Agency to house Yosemite Elementary School personnel.

A 50 KVA transformer was placed on the electrical distribution system power pole, cross arms were changed and overhead secondary lines were installed from the transformer to the teacherage. Three 50 ampere 3 wire electric meters were installed in meter sockets provided by the building contractor.

One inch copper water service lines and a water meter were provided for each of the three apartments.

The building contractor extended the 4" sewer service line to a nearby manhole in the main sewer system.

Useable facilities were provided and all work was completed by November 1958.

L54-OBL

May 12, 1959

Memorandum

To: Regional Director, Region Four

From: Chief, Water Resources Section

Subject: White Wolf Campground Water System, Docket 4, Yosemite
Upper Tecoya Water System, Docket 5, Yosemite

We are distributing folders for the subject dockets, containing the completion report of January 29, to you, the Superintendent and WDC. We have duplicated a number of other completion reports from all regions for the same purpose.

A docket should be set up for each water system in each area, as soon as possible, in part to complete inventories of water system, and in part to provide a container for records of water claims and rights. A completion report gives dates, costs, references to plans, and some information on the nature of new construction. A docket such as these should be expanded by adding plans of old and new systems, and the history of use until water right applications, or statements of claim for adjudication can be completed. Ultimately, the working data may be removed, as those claims are prepared.

SIGNED

A. van V. Dunn
Chief, Water Resources Section

Attachments 2

Copy to: Superintendent, Yosemite, with 2 attachments
Chief, WDC (2), with 2 attachments

WESTERN OFFICE	
DESIGN & CONSTRUCTION	
MAY 14 1959 A.M.	
CHIEF	
ADMIN. ASSIST.	
PERSONNEL	
PLANS & PROG.	
SAFETY	
ARCHITECT	
ENGINEER	
LAND. ARCH.	
ACTION TAKEN—DATE	
4. 10/1/59	
DUN	

Docket Information

Number of Documents in Docket 7

Documents Dated from 1/29/1959 to 5/25/1979

Docket Compiled: 7/29/2011