



WATER-RIGHT DOCKET

Natchez Trace Parkway

Docket No: 11

RIDGELAND DISTRICT WATER SYSTEM

Supporting Hydro Data

11-25-1966: water system data

WATER SYSTEM DATA

DATE
AREA Natchez Trace Parkway COLLECTED Nov. 25, 1966 COLLECTED BY BSM

- Name of System: Ridgeland District Water System
- Location: State Mississippi County Madison General Area Ridgeland
Reference to permanent landmark _____
- Source of Supply: Town of Ridgeland Capacity -- *
(Well, Spring, Stream, Impoundment, etc.) gph
- Type of System: Gravity
(Pumped, Gravity, etc.) _____
- Treatment: None
(Filtration, Chlorination, Aeration, etc.) _____
- Distribution Mains: Size 6" Length 3,400'; Size _____ Length _____
Size _____ Length _____; Size _____ Length _____
Size _____ Length _____; Size _____ Length _____
- Pump Unit: Make --; Type _____; Model No. _____
Serial No. _____; Outlet _____ in.; Inlet _____ in.
(Size) (Size)
- Power Source: -- Motor: Make _____; HP _____;
(Elec., Gas, Generator)
Serial No. _____; Voltage _____; Amps _____;
RPM _____; Type _____; Phase _____;
Cycles _____; Others _____; _____
- Control: Automatic --; Manual _____;
(Float, Electrobe, Pressure, Time)
Other _____
(Explain)

*Approximately 280,000 gallons water used annually.

Other Supporting Information

FORM NO. 10-174 (REVISED 5/1/44)
 DEPARTMENT OF THE INTERIOR
 NATIONAL PARK SERVICE
 (REPORT MANUAL SECTION
 308 REPORT 811)

41451

PROJECT COMPLETION REPORT

REGION OK AREA Tulsa River District STATE Miss.
 PROJECT TITLE Water Service Ridgeland Orientation LOCATION Ridgeland, Miss.
 APPROPRIATION TITLE AND SYMBOL 1-2-10-00 Const. and Acquis. of Land, etc. ACCOUNT NO. 205,170

CONSTRUCTION DATA		SUMMARY OF EXPENDITURES	
CONSTRUCTION ITEMS	QUANTITIES		
Cast iron pipe, 6" diameter	2,000 ft.	01 PERSONAL SERVICES	
Gate valves, 6"	1	02 TRAVEL	
Fire hydrants, 6"	1	03 TRANS. OF THINGS	
Blow-off valves, 2"	1	04 COMMUNICATION SERVICES	
Valve, motor & valve box, 2"	1	05 RENTS	
Valve, motor & valve box, 2"	1	07 OTHER CONTR. SERVICES	
Valve, motor & valve box, 1 1/2"	2	08 SUPPLIES & MATERIALS	
		09 EQUIPMENT	
		10 CONTRACT PAYMENTS	9,027.00
		TOTAL CONSTRUCTION COSTS	9,027.00
		TOTAL CONSTRUCTION ALLOT.	9,027.00
		UNOBLIGATED BALANCE	0
		TECHNICAL SUPERVISION COSTS	
		TOTAL TECH. SUPER. ALLOT.	
		UNOBLIGATED BALANCE	
		TOTAL PROJECT COST	

WORKING PLANS NO. 1-2-10-00

TOTAL MAN DAYS

REMARKS:

The contract was based on lump sum bid of \$9,537.00 for items above as shown on the plans. Change Order No. 1, adding one 2" blow-off valve for \$45.00, increased the contract price to \$9,582.00.

The work was performed under Contract No. 1-2-10-00 by H. V. Horn and Company, Jackson, Mississippi.

A narrative report, sketch map, etc. are attached.

CLEARANCE			
SUBMITTED BY:	DATE	CONCURRED IN:	DATE
(ENGINEER)		(REGIONAL DIRECTOR)	
(SUPERINTENDENT)		APPROVED: <u>Tolson</u> (DIRECTOR)	1-25-51

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HATCHER TRACE PARKWAY

CONTRACT NO. I-27np-328

WATER SERVICE, RIDGELAND ORIENTATION
CENTER AND MAINTENANCE AREA

(To accompany Project Completion Report Form 10-174)

CONTRACTOR.	W. W. Dunn & Co., Jackson, Mississippi
BIDS OPENED.	June 19, 1950
CONTRACT AWARDED (Date of Contract)	June 26, 1950
APPROVED BY ACTING DIRECTOR.	July 17, 1950
CONTRACTOR RECEIVED NOTICE TO PROCEED	August 14, 1950
CONTRACT TIME STARTED.	August 15, 1950
CALENDAR DAYS ALLOWED FOR COMPLETION	70
ORIGINAL COMPLETION DATE.	October 23, 1950
ADDITIONAL DAYS GRANTED	7
EXTENDED COMPLETION DATE.	October 30, 1950
CONTRACT COMPLETED.	October 30, 1950
CONTRACT AMOUNT, ORIGINAL	\$9,552.00
CHANGE ORDERS AMOUNT.	\$ 65.00
TOTAL CONTRACT AMOUNT	\$9,617.00

NATCHEZ TRACE PARKWAY

CONTRACT NO. I-27np-328

WATER SERVICE, RIDGELAND ORIENTATION CENTER
AND MAINTENANCE AREA

NARRATIVE REPORT

(To Accompany Project Completion Report Form 10-174)

The plans, specifications and estimates were approved by the Director on March 14, 1950. Plans were recalled from three bidders to revise the drawings in accordance with suggestions from the Director's Office transmitted by Mr. Zimmer's memorandum of May 16, 1950.

The contractor began actual work on August 29. A small trenching machine was used to excavate the trenches to sufficient depth to provide a minimum of two feet of cover over the pipe. The location of the line was staked to avoid cutting or disturbing trees.

Cast iron pipe was furnished by Molano Cast Iron Pipe Co., Birmingham, Alabama. The company furnished test reports certifying that the pipe successfully withstood an internal hydrostatic pressure of 500 psi and recommended the pipe for a maximum of 150 psi working pressure.

Difficulty was experienced by the Contractor in obtaining fittings which delayed the start of the work as well as the progress. Additional time in the amount of seven days was granted the Contractor on account of the delays in delivery of material.

The use of Hydro-tite, a jointing compound not requiring caulking, was approved for use as provided by the specifications.

The line between the Maintenance Area and Information Station, 600 ft. in length, was tested for a period of two hours under 125 psi pressure supplied by means of a hand force pump. During the test period the pressure dropped to 111 psi. All joints were left exposed for inspection during the test period and the one joint found to be dripping was cleaned of hydro-tite and poured with lead. This section of the line was then accepted for backfilling.

The section of line between the Maintenance Area and the City tank, 2800 ft. in length, was tested in the same manner. During the two hour test period the pressure was held at 125 psi by means of pumping a total of 18.6 gallons of water into the main as required to hold the pressure. The loss was contributed to leaks in two fire hydrants since no leaks were observed at the pipe joints. After the two fire hydrants were repaired this section of the line was approved for backfilling. The allowable loss on this section of the line according to formula of 100 gal. per inch diameter, per mile of pipe, per 24 hours, as suggested by the manufacture of Hydro-tite, would be 26.5 gal.

Several preliminary tests were made on this section of the line before the final or accepted test. It was necessary to repour about one-half the joints with lead on the longer section of the line before a test could be conducted to a conclusion. Overheating the compound was the probable cause of the large number of joint failures.

The water line was sterilized with chlorine as prescribed in the specifications. Samples were taken by Mr. Barnett of Madison County Health Department, Canton, Mississippi, and tested by the Mississippi State Board of Health, Jackson, Mississippi. Negative results were obtained on the bacteriological examination.

The field work was supervised alternately and in conjunction with other work by Messrs. Sidney W. Helditch and William M. Loftis of the office of the Parkway Engineer.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
NATCHEZ TRACE PARKWAY

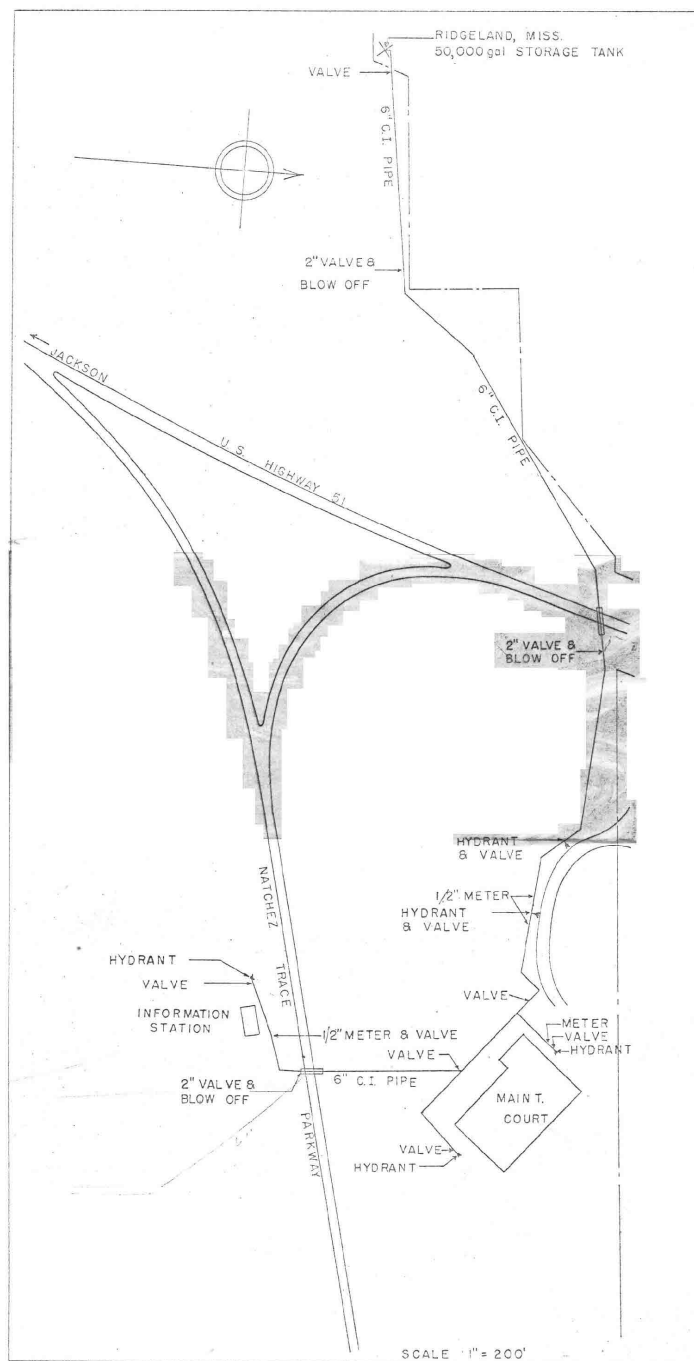
ABSTRACT OF BIDS

Water Service, Ridgeland Orientation Center
and Maintenance Area, Ridgeland, Miss.
Bids Opened June 19, 1950, at 11:00 a.m., c. s. t.
Opened by H. B. Smith; Tabulated by J. H. Saxon

BIDDER	LUMP SUM BID
W. W. Dunn & Co., Jackson, Miss.	\$ 9,552.00
W & S Construction Co., Jackson, Miss.	11,000.00
D. E. Walker Co., Jackson, Miss.	11,292.00
Roy M. Mitchell Contracting Co., Inc., Tyler, Texas	15,971.78
Engineer's Estimate	10,525.00

APPROVED:

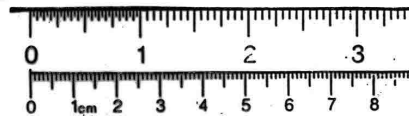
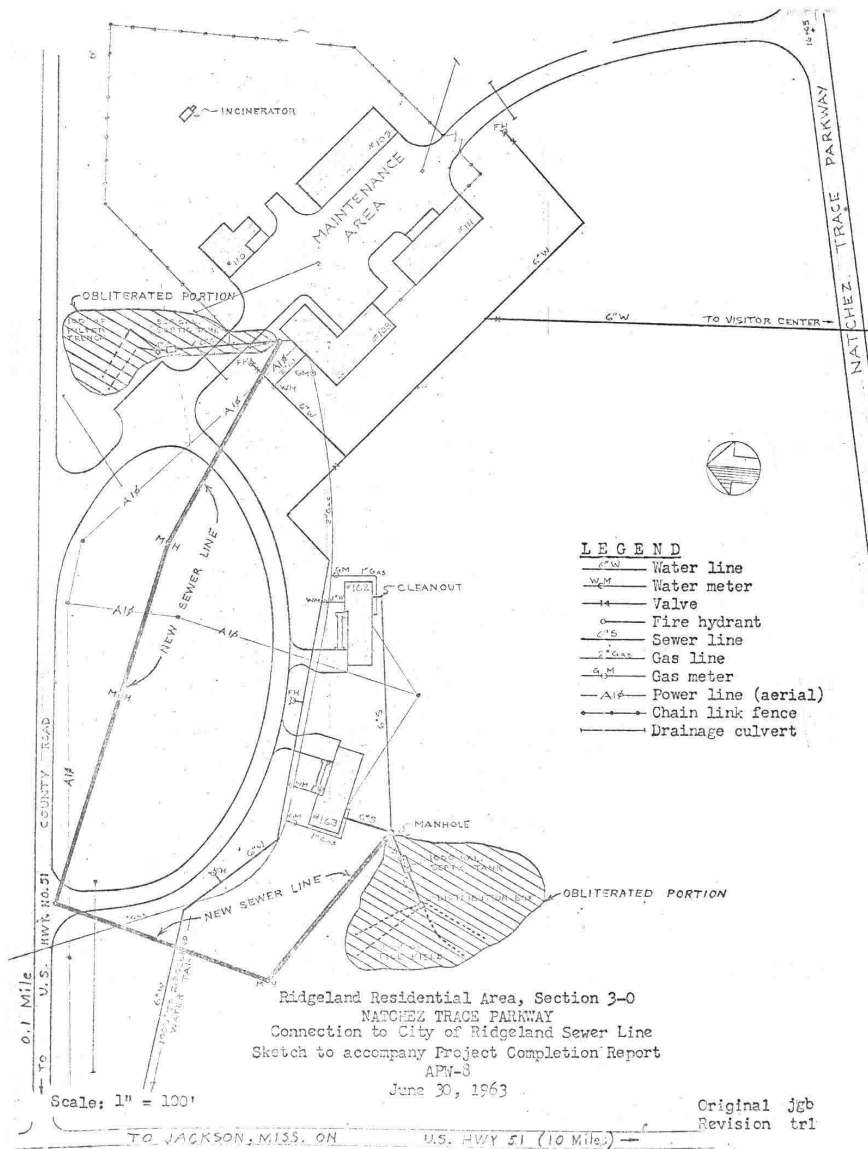
Malcolm Gardner, Superintendent



SKETCH TO ACCOMPANY PROJECT COMPLETION REPORT

CONTRACT I-27np-328

RIDGELAND DISTRICT HEADQUARTERS 2



Docket Information

Number of Documents in Docket 9

Documents Dated from 1/25/1951 to 11/25/1966

Docket Compiled: 5/27/2011