



WATER-RIGHT DOCKET

Natchez Trace Parkway

Docket No: 7

LITTLE SWAN CAMPGROUND AND PICNIC AREA

Other Supporting Information

05-03-1965: log of contractor's daily work schedule

May 3, 1965

Natchez Trace; Little Swan #1 E1 902

11:00 AM	Arrived at Location
11:30 "	Start drilling with 6 3/4 Hawthorne bit
12:00 "	20 ft. red clay & chert, off for lunch until 12:30
1:00	40 ft. red clay, numerous small rock & gravel
2:30	40-80 red clay & loose rock fragments
2:45	80-100 grayish tan color clay & gravel
3:00	100-120 lost circulation at 116 feet
3:05	120-130 no circulation yet, rock layer at 130
3:25	130-136 no circulation yet, rock solid at 136
4:55	shut down waiting for USGS 1 1/2 hours standby time

May 4, 1965

08:00 AM	At rig waiting on USGS
2:30 PM	Start running pipe in hole 6 hours stand by
2:45	Drilling with hammer & button bit
3:30	136-157 solid rock, no circulation
4:00	pulled tools out & quit, dry hole

Remarks:

USGS ran electric logger, & gamma ray in well. No indications of water bearing zone. No water standing in well.
Top of rock elevation 766

May 4, 1965

Natchez Trace; Little Swan #2 : El 765

4:00 PM	Moving rig on location
4:45	Start drilling with 6 3/4 Hughes roller bit
5:00	0-11 clay, red top of rock at 11 ft.
5:15	11-22 dense, blue, quartzitic limestone
5:40	22-32 " " " "
6:00	32-42 3" crevice at 32 ft, rock brown, massive lime, quit for day

May 5, 1965

8:00 AM	Arrived at rig, greased & serviced & set casing
8:40	drilling with 6 1/8 button bit on hammer
9:30	42-62 dark gray limestone
10:50	62-82 " " "
11:40	82-102 " " "
12:40 PM	102-122 " "
1:50	122-142 " "
2:40	142-162 gray lime, some silty shale
3:28	162-202 dark gray lime, some fragments of quartz
4:00	202-222 new providence shale
4:15	222-230 dark gray lime, quit hole

Remarks: Well produces about 25 gallons per hour from the crevice at 32 feet. USGS representative with rig while drilling

Top of rock Elevation 754

May 5, 1965

Natchez Trace; Little Swan #3; RL 765

4:15-5:30 PM	Moving rig to new location
5:30	drilling with 6 1/8 button bit & hammer
5:45	0-14 red clay; top of rock at 14
5:50	14-20 dark gray lime 2" crevice at 20
6:00	20-22 " " " shut down for day

May 6, 1965

8:00	Arrive at rig
8:45	drilling at 22 feet; button bit & hammer
8:55	22-26 gray lime crevice at 26 feet
9:10	26-37 crevice at 37 feet gray lime
9:15	37-39 4" crevice at 39 feet
9:50	39-50 crevice at 50 feet gray lime
10:05	50-55 4" crevice at 55 feet gray lime & brown lime
10:15	55-59 4" crevice at 59 feet
10:25	59-78 1" crevice at 78 feet gray lime
11:40	78-82 gray lime, massive, hard quit hole, dry

Remarks: Well would produce about 30 gallons per hour from a shallow crevice. USGS Representative with rig while drilling
Top of rock elevation: 751

May 6, 1965

Natches Trace: Little Swan #4 ; El 892

11:40 AM - 1:00 PM	Moving rig to location
1:00	Drilling with 6 3/4 roller bit
1:00 - 4:30	0-136 feet red clay & rock fragments. Basically same as well #1. No indications of water bearing zone; solid rock encountered at 136 feet, USGS Representative with rig.
	Top of rock elevation: 756

May 7, 1965

Natchez Trace: Little Swan # 5: El 765

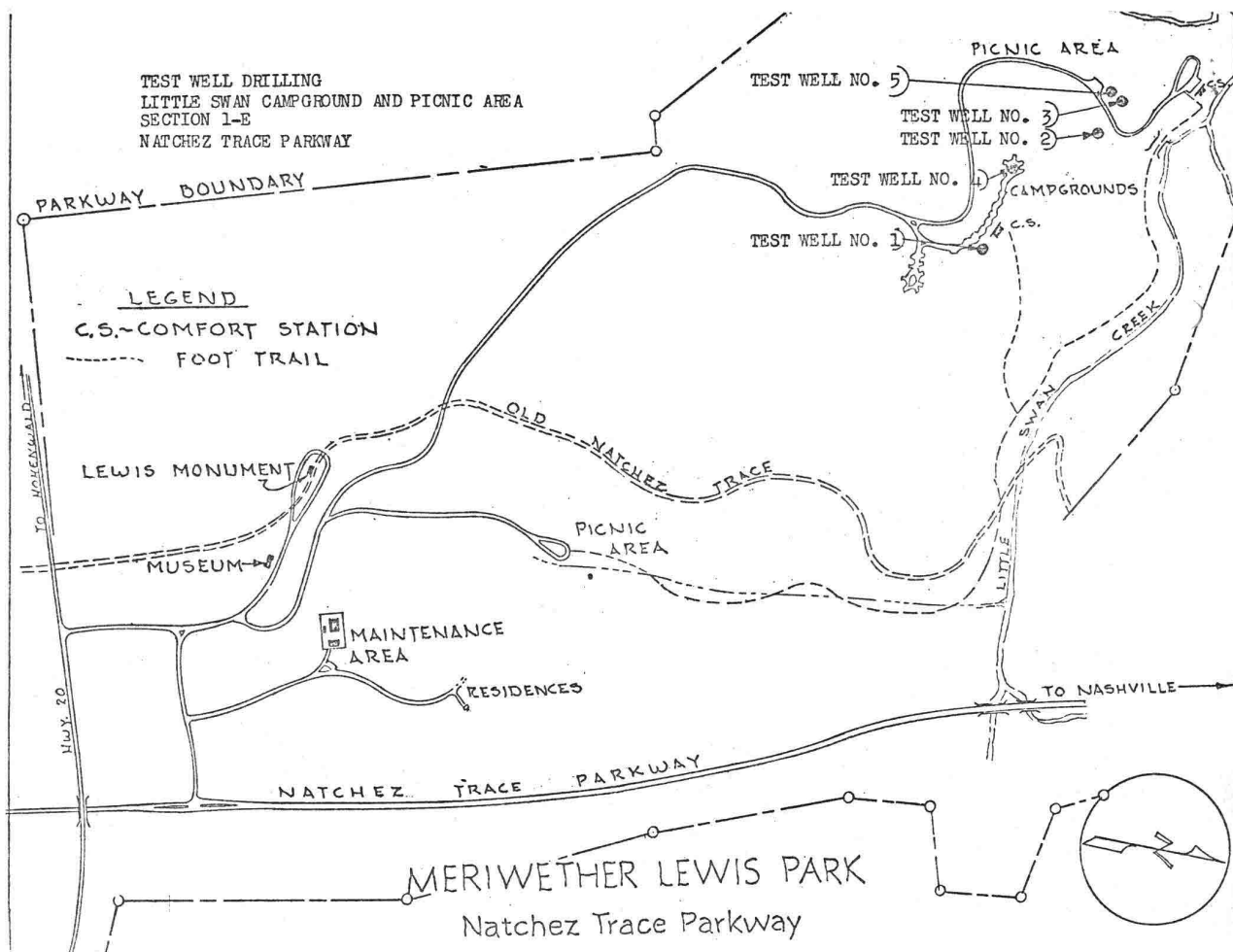
7:00 AM At rig & standing by waiting for instructions
2:00 PM moving to new location 7 hours stand by
2:15 Drilling with hammer & button bit #B-21
2:23 0-15 clay overburden top of rock at 15
2:35 15-19 crevice 17 3/2 to 19 feet; brown lime cuttings
2:36 19-22 small crevices here, gravel in crevices
2:54 22-24 dense, dark gray limestone very hard
3:12 24-36 gray limestone; some gravel & brown sand in crevice at 36
3:50 36-51 dark gray & dark brown limestone; 3" crevice at 51
4:05 51-54 " " " " " "
4:14 54-57 small crevice at 57 feet; brown gravel present
4:25 57-60 dark gray cuttings; bursted air hose; quit for day

May 8, 1965

11:45 AM Rig repaired and drilling
12:25 60-67 small crevice, dark gray limestone
12:50 77-90 dark gray limestone
12:50 - 3:00 90-145 dark gray limestone, hard massive: quit drilling & pulling out of hole ,

Remarks: Will produce about 50 gallons per hour from shallow crevice.

Top of rock elevation; 750



Form 10-174
(June 1962)UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

FACE SHEET FOR COMPLETION REPORT

Park Natchez Trace Parkway	Region Southeast	Work Order No. 225028
Location in Park Section 1-E, Lewis County, Tennessee	State(s) Tennessee	Fund Symbol 14X1037
	County or Counties Lewis	Year Programmed 1965
☒ Contract and/or ☒ Day Labor		PCP No. B-173, U-98
Work Order Title 1-E, Comfort Stations (2) Little Swan; Water & Sewer Systems, Little Swan		Master Plan No. PKY-NT 3043-C, PKY-NT 333
		Master Plan Corrected By
		As Built Drawings By
		Date Started August, 1965
		Date Completed June, 1966

DESCRIPTION OF FIXED ASSETS (For completion by employee in charge of project)		TOTAL COSTS (For completion by FFO)
Contract Items: Contract No. 14-10-0127-1735		
2 comfort stations complete	\$13,026.60	
6736 L.F. 4" A.C. water pipe	12,461.60	
2045 L.F. 2" G.S. water pipe	3,537.85	
20 water line markers	100.00	
One 4" gate valve & box	75.00	
Eight 2" gate valves & boxes	228.00	
Two 1/2" air relief valves & boxes	29.00	
75 L.F. 6" C.I. Sewer pipe	131.25	
60 L.F. 4" C.I. Sewer pipe	90.00	
Two 2500 gallon concrete septic tanks	2,000.00	
One 1080 sq. ft. seepage bed	400.00	
One 960 sq. ft. seepage bed	380.00	
1640 L.F. 1" G.S. water pipe	2,460.00	
8 drinking fountains (complete)	2,480.00	
Total contract		\$37,399.30
Day Labor:		1,129.88
Total contract & day labor		\$38,529.18
220 General Buildings	13,026.60	44,693.85
230 Utility System	25,502.58	
TOTAL		\$ 44,693.85

DISTRIBUTION		THE FIXED ASSET DESCRIBED ABOVE HAS BEEN COMPLETED IN ACCORDANCE WITH APPROVED DRAWINGS, SPECIFICATIONS, AND AUTHORIZED CHANGES	
No.	To	Submitted By:	Title:
1	WASO	Glenn C. Farmer	Supervisory Civil Engr.
1	PSC		
2	SE REG	Joseph C. Rumburg, Jr.	Superintendent
1	NTP FILE		
		Approved By:	Title:
		T. J. Baer	Regional Accountant
		COSTS VERIFIED	Date:
			MAR 28 1968

Rec'd w/ Chf. OHW-USC memo to Chf. BWR. dated May 8, 1968

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Form 10-174A
(June 1962)UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Work Order Number

225028

Fund Symbol

14X1037

Year Programmed

1965

COMPOSITION OF COST FOR COMPLETION REPORT

Park	Region
Natchez Trace Parkway	SE
Location in Park	
Section 1-E, Lewis County, Tennessee	
Work Order Title	
1-E, Comfort Stations (2) Little Swan; Water & Sewer Systems, Little Swan	

COMPOSITION OF COST

COSTS CHARGED TO FUNDS ALLOTTED TO FIELD FINANCE OFFICE		
(1) Personal Services.....	\$ 768.90	
(2) Travel.....	36.00	
(3) Contract Work	37,399.30	
(4) Supplies and Materials.....	92.24	
(5) Other Direct Expenses.....	22.60	
(6) Operation of Equipment.....	210.14	
(7) Depreciation of Equipment.....		
(8) Purchase of Construction Equipment.....		
(9) Purchase of Other Accountable Equipment		
(10) Other Costs:		
(11) TOTAL COST CHARGED TO FFO FUNDS	xxxxxxxxxx	\$ 38,529.18
OTHER COSTS:		
(12) PS&S, AP, and/or Facilitating Services @ 16 %.....	\$ 6,164.67	
(13) Inventory and Other Non-Fund Costs		6,164.67
(14) GROSS WORK ORDER COSTS	xxxxxxxxxx	\$ 44,693.85
LESS:		
(15) Residual Value of Construction Equipment on Line 8	\$	
(16) Other Credits		
(17) NET COST OF FIXED ASSETS	xxxxxxxxxx	\$ 44,693.85

Identify other costs and other credits by line item entry, on an attached schedule, or explain in narrative.

NARRATIVE TO ACCOMPANY PROJECT COMPLETION REPORT
COMFORT STATIONS (2), WATER AND SEWERAGE SYSTEMS
LITTLE SWAN PICNIC AND CAMPGROUND
MERIWETHER LEWIS PARK, SECTION 1F
NATCHEZ TRACE PARKWAY
WORK ORDER NO. 225028

General:

This work, financed by 1965 fiscal year funds, consisted of the construction of two comfort stations, and water and sewerage systems for the Little Swan Picnic and Campground area at Meriwether Lewis Park.

After receiving plans and specifications from E.O.D.C., the Natchez Trace Parkway issued invitations for bids. One bid was received and Wesley Hayes of Lawrenceburg, Tennessee, was awarded Prime Contract No. 14-10-0127-1735 on June 23, 1965, in the amount of \$31,748.25 of which \$13,200 was allocated to the two comfort stations.

A preconstruction conference was held at Meriwether Lewis Park on July 14.

Notice to Proceed was signed by Wesley Hayes, Contractor, on July 26, 1965, thereby establishing July 27, 1965, as the first day of the contract time.

Stop Order No. 1 was issued by the Contracting Officer August 30, 1965, and signed by the Contractor Wesley Hayes September 3, 1965. The Stop Order was deemed necessary because the contractor had not been able to reach the construction site due to construction of the only park road to the site under a BPR contract. The contractor had been informed initially that access to his job site would be about August 1, 1965. Therefore, he had accepted the Notice to Proceed as of July 26, 1965.

An Order to Resume Work was issued by the Contracting Officer September 27, 1965, effective September 30, 1965. This officially established a new first day of contract time as being September 30, 1965.

Change Order No. 1 was issued by the Contracting Officer November 4, 1965, and signed by Wesley Hayes, Contractor, November 9, 1965, to construct eight drinking fountains and 1200' of 1" water line. This increased the contract amount \$4,880. Additional funds were approved by SERO, and the contract time was extended 20 days. The completion date was changed accordingly to February 16, 1966.

Stop Order No. 2 was issued by the Contracting Officer January 31, 1966, and was signed by Wesley Hayes, Contractor, on February 4, 1966. This Stop Order was issued because of snowstorms and extreme low temperatures which made construction conditions unfavorable to the work.

A Resume Order was issued March 1, 1966, by the Contracting Officer. Work was halted for a period of 36 days. The contract time was extended accordingly and the final completion date of the contract became March 20, 1966.

Change Order No. 2 was issued March 12, 1966, and signed by Wesley Hayes on April 15, 1966, to make adjustment in contract amount for face brick used for comfort stations. The contract amount was reduced \$173.40.

A final inspection was made on March 25, 1966, and a letter of acceptance written on April 20, 1966.

Comfort Stations:

The comfort stations at Little Swan Picnic Area were constructed in accordance with E.O.D.C. Drawing No. PKY-NT 3043C. Each building, which covers a total of 242 square feet, includes a men's room with one water closet, one urinal, one lavatory, one mirror, and one waste receptacle; a women's room with one water closet, one sanistand, one lavatory, one mirror, and one waste receptacle. A storage room is between the two toilets. The buildings are constructed of reinforced concrete foundation, concrete sub-floor, cement block and broken-face brick exterior walls, and wood framed built-up roof. The interior of toilet rooms is faced with ceramic tile to a height of 7'-0", and floors covered with red tile. The toilet partitions are prefabricated panel type, metal covered, with baked on enamel finish. The comfort stations are equipped with electric lights and heaters to permit night and year-round use.

Subcontractors for this portion of the contract were as follows:

Electrical and Plumbing

Mr. Robert Stricklin
210 Nashville Blvd.
Lawrenceburg, Tennessee 38464

Water System:

Test wells were drilled in the Little Swan area, but none of the test wells produced water. Therefore, it was decided to obtain the water supply from the Meriwether Lewis water system by laying a 4" diameter main along the campground road from the Little Swan Campground area to the existing 6" diameter main at the Meriwether Lewis Visitor Center. Thus, the Little Swan Picnic and Campground area is supplied from the Meriwether Lewis Park's 15,000 gallon elevated tank. The static pressure produced at the Little Swan Campground area is approximately 32 psi. The water lines include 6,736 feet of 3" asbestos cement pipe, 2,045 feet of 2" galvanized steel pipe, and 1,640 feet of 1" galvanized steel pipe. Eight drinking fountains were also built under this contract.

Subcontractors for this portion of the contract were as follows:

Water system

Thompson Ditching Company
327 Seventh Street
Lawrenceburg, Tennessee 38464

Sewerage System:

Each comfort station has a 2,500 gallon septic tank and tile field located near it. Building No. 265 has a 24' x 40' seepage bed and Building No. 266 has a 24' x 45' seepage bed. The pipe from the comfort stations to the septic tanks is 6" cast iron. The outlet pipe from the septic tank to the seepage beds is 4" cast iron. The Thompson Ditching Company was the subcontractor for this portion of the contract.

Day Labor:

A portion of the work on Work Order No. 225028 was done by NPS forces such as grading around the comfort stations and other minor work.

117-2-23-64

L54 SER(OLW)

FEB 18 1965

Mr. J. S. Cragwall, Jr.
District Chief
U. S. Geological Survey
823 Edney Building
Chattanooga, Tennessee 37402

[Handwritten signature]
SLW
Reed
W
2/24

Dear Mr. Cragwall:

We request technical assistance at Natchez Trace Parkway pursuant to a recent discussion between Mr. Don Rima and Mr. Vick of this office.

It is our desire that the U. S. Geological Survey undertake for the Park Service a water resources investigation at the proposed Little Swan Campground and Picnic Area, Lewis County, Tennessee. This development is located approximately 1 mile north of Meriwether Lewis National Monument. The purpose of this investigation is to determine if an adequate water source can be developed in the study area which would be sufficient to meet the present and future water demands of this particular Parkway developed area. In the discussion with Mr. Rima, it was mutually agreed that the water resources study should consist essentially of the following elements:

1. An appraisal of the geologic and topographic factors that influence the occurrence of ground water. After a field reconnaissance to the study area, the project geologist would recommend a priority order for the drilling of test wells at Little Swan development.
2. Field supervision of the test well drilling.
3. Make the necessary arrangements for providing an electric logger during the drilling operation.
4. Determination of chemical quality of existing ground-water supplies.
5. Evaluation and analyses of field data collected during the pump testing of the test well.
6. After completion of the drilling and pump testing operations, the project geologist will prepare an administrative report summarizing the results of the drilling including lithologic log of soil samples and pump testing results plotted on drawdown curve.

Mr. Rima has informed us that the Nashville Office will be glad to conduct this investigation for the Park Service during this fiscal year. The estimated cost of the work as outlined above would be approximately \$1,000.

Funds in the amount of \$1,000 are available to cover the costs of the USGS participation in this water resources investigation. The billing of all expenses for reimbursement to your appropriation should be handled directly with Superintendent Malcolm E. Gardner, P. O. Box 948, Tupelo, Mississippi 38802.

Any report prepared by the U. S. Geological Survey containing geologic and hydrologic information collected during the water resources investigation which you believe should be released to the open file must first be submitted to the Park Service for review. After proper review by the Park Service, release of the report will be granted if it is determined such release is not detrimental to the Government's interest.

We greatly appreciate the excellent cooperation and assistance received from members of your staff in previous water resources projects for the Park Service.

Sincerely yours,

RECEIVED

E. M. Lisie
Acting Regional Director

cc:
Director
Chief, EODC (2)
Supt., Natchez Trace



IN REPLY REFER TO:

L54 SER(OLW)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
SOUTHEAST REGION
P. O. BOX 10008
RICHMOND, VIRGINIA 23240
DEC 2 - 1964

670-12-4-84
W. R. Copy

S
STW
Reed
AWC
12/4

Memorandum

To: Director

From: Assistant Regional Director, Operations, Southeast Region

Subject: Water resources studies, Little Swan Campground and Picnic Area, Natchez Trace

Enclosed are copies of correspondence relating to Superintendent Gardner's proposal for extending the existing water system at Meriwether Lewis Headquarters to the proposed Little Swan Campground and Picnic Area as requested by Mr. E. W. Reed.

In our discussions with Assistant Division Hydrologist Rima, USGS, Nashville Office, we have learned that existing geologic conditions in the general vicinity of the proposed campground are favorable for obtaining an adequate water supply from a 200-foot[±] deep well. If a producing water well can be developed at the subject location, the suggested water line extension (5,000 feet) between the existing well at Meriwether Lewis and the new development could be eliminated. This well construction would result in a considerable savings of project funds.

We have suggested this proposal to Superintendent Gardner and if it is agreeable to him, Mr. Vick will prepare the drilling specifications for the test well.

E. M. Lisle
E. M. Lisle

Enclosures 2 *X*

cc:
Chief, EODC (2)
Supt., Natchez Trace

October 30, 1964

D5039
154

Memorandum

To: Chief, EODC

From: Superintendent, Natchez Trace

Subject: Engineering study, water system for Little Swan Campground and Picnic Area

Reference is made to my letter of October 15 to the Regional Director, copy to your office, in which we proposed that the Meriwether Lewis water system be extended to include Little Swan recreational area. We stated that more complete information would follow, and it is shown on the enclosed sketch.

On this sketch we have shown an hydraulic analysis based on an assumed average domestic flow of 110 gpm and distributed to the various facilities. It shows that the extension, as proposed, would permit a residual pressure of 26.0 psi at the campground, the most critical point. We also enclose, for your convenience, copies of the report made by Miller Drilling Company, who was employed in 1958 to test the capacity of the well at Meriwether Lewis prior to extension of this water system to include the new maintenance and residential areas. As mentioned in our previous letter, a new 30-gpm, 3-h.p., 230-volt, Reda submersible pump was set at the 150-foot level in the well. Additional information could be found in the project completion report dated September 3, 1959. The water and sewerage system for Little Swan is in our 1965 Construction Program, and funds are available in the amount of \$29,900. We estimate the extension of the water system, as we propose, will cost about \$20,000, and this will leave \$9,900 for the sewerage system.

In accordance with our agreement with your office, we are this week completing the survey for the campground area and development. Mr. Orcutt will prepare these plans, and when completed, Mr. Saxon, could prepare the necessary plans for the extension of the water system, as well as the two sewerage systems. We are also negotiating with the local power company for extending the power line from the site of the residential area to the campground and picnic area and propose that the 4" line follow the clearing necessary for the power line.

SOUTHEAST REGION	
NOV 2 1964	
Regional Director	
Asst. Reg. Dir. (O)	
Asst. Reg. Dir. (A)	
Asst. Reg. Dir. (CA)	
Asst. to Reg. Dir. (PA)	
Asst. to Reg. Dir. (D)	
Resource Studies Adv.	

Mr. Vick of the Regional Office has proposed to drill a test well for the Little Swan area, and we suggested that he defer this until we could make a study of extending the present Mariwether Lewis water system. Please advise whether your office considers our proposal or an independent system to be best.


Malcolm Gardner

In duplicate

Enclosures 2

cc:
Regional Director, Southeast

October 15, 1964

D5039

Memorandum

To: Regional Director, Southeast Region

From: Superintendent, Natchez Trace

Subject: Water supply, Little Swan Campground and Picnic Area

While here, Mr. Vick of your office agreed to make several studies for proposed water supplies, including the subject development near Meriwether Lewis, with water resources funds. In reviewing the layout of the proposed development, it has occurred to us that the Meriwether Lewis headquarters water system might be extended to this site.

Just prior to the construction of new maintenance buildings and residences at Meriwether Lewis, we employed a firm to test the yield of the well there. At that time, the static water level was 102 feet, and with a drawdown of only 38 feet, a rate of 90 gpm was obtained. A new 30 gpm, 3 h.p., 230 volt, Reda submersible pump was set at the 150 foot level.

From the site of the residences, which is supplied with a 6" main, 2,000 feet distant from the elevated tank, would require 5,000 feet of 4" pipe to the campground area, and an additional 2,500 feet of perhaps 2" pipe to the picnic area. The approximate differences in the elevation of the bottom of the 15,000 gallon elevated tank and (1) the campground is 68 feet, and (2) the picnic area is 248 feet.

We will prepare more complete information on this proposal and submit it to EODC as soon as possible. In view of this possibility, Mr. Vick may wish to delete the study which is proposed for a water supply for this area.

A layout map of this area is enclosed, showing the relative location of the facilities mentioned.

(Sgd.) Malcolm Gardner

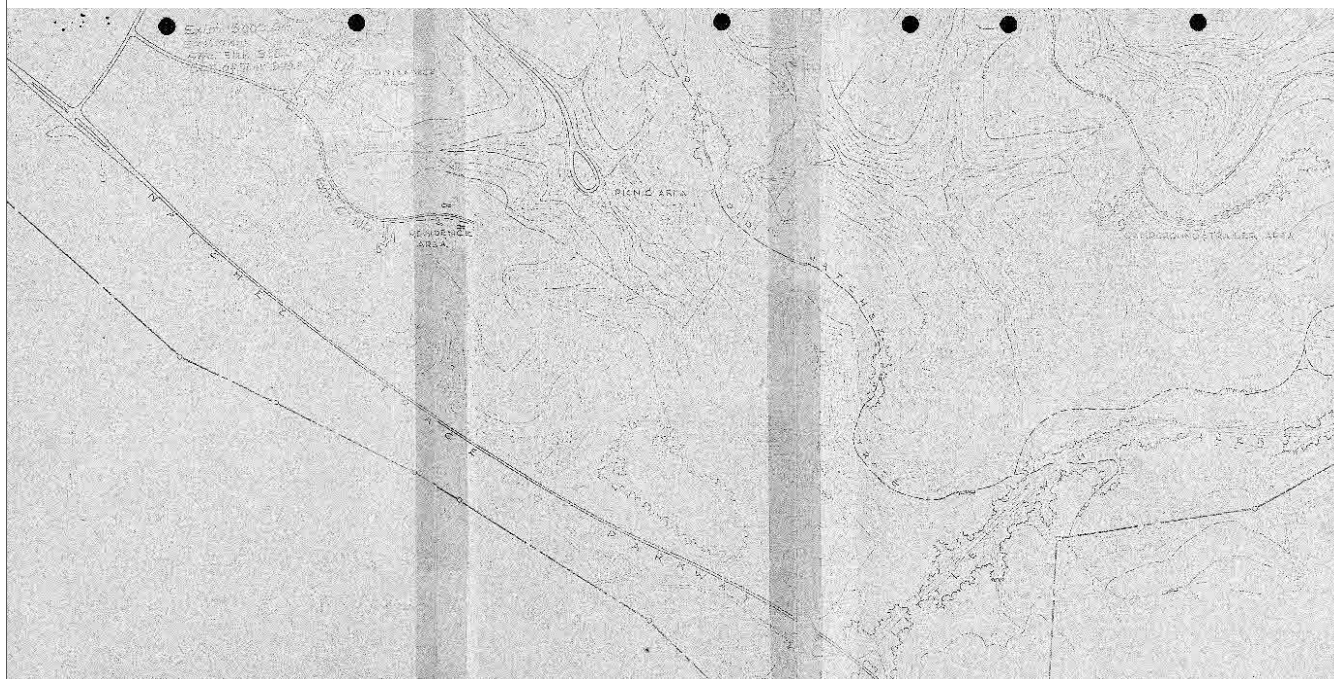
Malcolm Gardner

In duplicate

Enclosure

cc:
Chief, EODC, w/enc.

See 854 Na 30



L54 SER(OLW)

NOV 19 1964

5
JLW
Rec'd
11/19/64

Memorandum

To: Superintendent, Natchez Trace

From: Acting Assistant Regional Director, Operations, Southeast Region

Subject: Water resources studies, Little Swan Campground and Picnic Area, Natchez Trace

Several members of the Regional Staff have reviewed your proposal of October 15 for extending the existing water system at Meriwether Lewis Headquarters to the proposed campground and picnic area development near Little Swan.

Recently, Mr. Vick contacted Mr. Don Rima, Assistant Division Hydrologist, USGS, Nashville Office, regarding the existing geologic conditions and the possibilities of obtaining an adequate water supply at the subject location. Mr. Rima pointed out that the ridges and spurs in the proposed study area generally are covered with a thick mantle of weathered Mississippian residuum composed of chert, clay and silt overlain in places by gravel, sand and clay of the Tuscaloosa formation. This formation is approximately 200 feet thick. In any hole drilled, we should encounter bedrock approximately 200 feet below land surface. There is every indication that excellent yields (50 to 100 gpm) can be obtained from a 200 foot deep well in this area.

In general, the quality of water from such a well would be good except for a high iron content. Several of the important chemical constituents to be found in the water would be as follows: iron-1.5ppm; calcium-12.6ppm; nitrate-2.4ppm; pH-7.0 (Neutral). The water pumped from the well would require only iron removal treatment.

If a producing water well can be developed at the Little Swan Campground, we believe considerable savings in project construction funds can be realized because the water line extension (5,000 feet) between the existing well, Meriwether Lewis, and the new development can be eliminated. It is possible that the test well will not yield the required quantity of water for the development and should this occur, the test well would be abandoned and in this instance, water resources funds would cover the cost of this exploratory drilling.

Water rights construction funds are available for drilling a test well at the subject location. After it has been determined that the test well produces the required yield, then the well can be converted to a production well and capitalized with project funds.

If our proposal is agreeable to you, we will prepare drilling specifications for this test well.

(SIGNED)

W. Mikell

cc:
✓ Director
Chief, EODC (2)

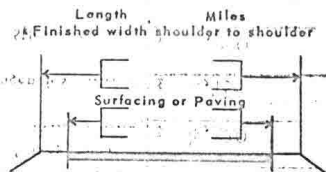
Form 10-411
(Rev. 2/67)UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

3-900

PROJECT CONSTRUCTION PROPOSAL

1. Statement of requirements, proposed work and construction data, justification, etc. (Use additional sheets as necessary.)

Construct water and sewer system for Little Swan picnic area and campground. These systems are necessary for the operation of the comfort stations and will provide water and sanitary facilities for 55 picnic and camp sites in the Little Swan Area of Meriwether Lewis Park.

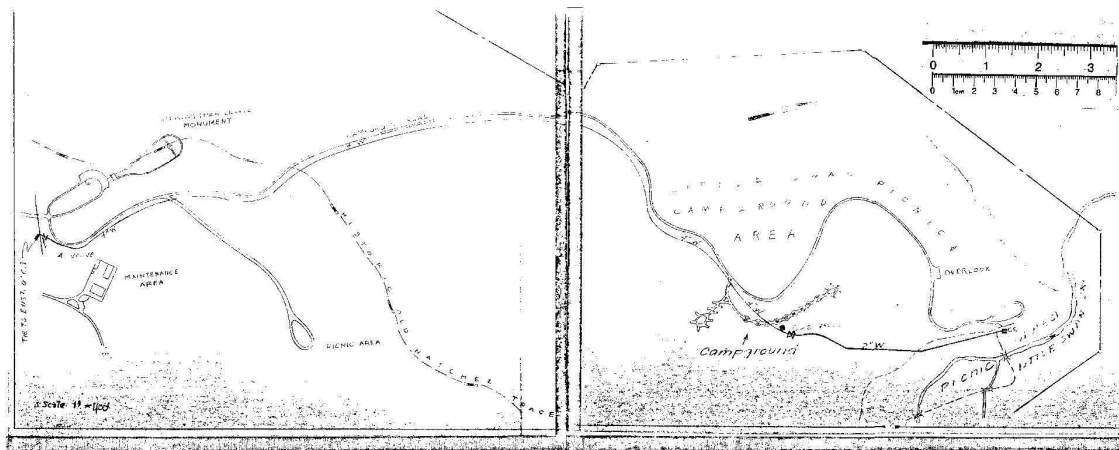


2. Land Status (if Govt.-owned, what agency), Water Rights, Research, Etc.

Government-owned. For location and topography, refer to Development Plan, PKY-NT 3275A; BPR R&P 1E2B.

3. PCP Data Prepared by (Name, Title & Date) <i>J. H. Bacon</i> 9-20-63 Parkway Engineer		4. Cross-reference PCP's to this Project: R-62, 329, 378; M-153; D-173 PCP numbers of previously completed portions:		6. CLASS C ESTIMATE	
5. Construction by: By Labor ☐ Contract ☒		Work supervised by: Park ☒ Reg. ☐ Design Office ☐		Construction..... \$ 29,900	
				Plans, Surveys, & Supervision..... 4,310	
				Contingencies..... 1,790	
				SUB TOTAL 36,000	
				Exhibits, Audio-Visual Installations, etc.....	
				GRAND TOTAL \$ 36,000	
7. DISTRIBUTION OF COPIES		8. Recommended by Park Office (Signature, title, date) <i>Carl T. Gilbert</i> SEP 23 1963 Acting Superintendent			
No To		9. Approved by Regional Office (Signature, title, date) <i>Vincent N. Mauro</i> DEC 17 1963 Acting Regional Director			
		10. Reviewed by D&C Field Office (Signature, Title, Date) <i>Vincent N. Mauro</i> Vincent N. Mauro, Project Control Officer, EODC, 1/7/64			
11. Location within Area or Termini Meriwether Lewis Park		12. Master Plan No. PKY-NT 2080-C PKY-NT 3138-A PKY-NT 3139-A		13. Bldg. or-Rt. # and Sec. 1-E	
14. Region Southeast	15. Park Natchez Trace Parkway	Lewis (County) Tennessee (State)		17. PCP Index No. U-98	
16. Project Water and Sewage System, Little Swan Campground				18. P. S. & S. by BPR ☐ NPS ☒	

Maps and Miscellaneous Information



Docket Information

Number of Documents in Docket 22

Documents Dated from 12/17/1963 to 2/2/1968

Docket Compiled: 5/27/2011