



WATER-RIGHT DOCKET

Everglades National Park

Docket No: 2

WELL, FLAMINGO DEVELOPMENT

Other Supporting Information

07-21-1958: completion report of construction analysis, flamingo development.

Form 10-174
(Rev. 8-56)

UNITED STATES DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE

COMPLETION REPORT OF CONSTRUCTION PROJECT

REGION One	AREA Everglades National Park	COUNTY Dade and Monroe	STATE Florida
PROJECT OR JOB TITLE Water Supply System - Flamingo Development			PCP NO. U-30 and U-36
LOCATION IN AREA Cape Sable District		MASTER PLAN NO. NP:EVE 21296	BUILDING NO.
WORKING DRAWING NO AND TITLE NP:EVE-3106A, Water Supply System, Flamingo Development			
APPROPRIATION TITLE AND SYMBOL Construction NPS 14 x 1035			WORK ORDER NO. 332.12 + 333.9
CONTRACT NO. 14-10-111-85		DATE WORK STARTED September 30, 1957	DATE WORK COMPLETED March 15, 1958
NAME OF CONTRACTOR Joe Reinertson, Inc.		ADDRESS 2027 N.W. 7th Avenue Miami 37, Florida	

COST ANALYSIS

CONSTRUCTION ITEMS	QTY.	UNIT COST IN PLACE	TOTAL COST IN PLACE
1. 4" Class 150 Asbestos-Cement Pipe	1,685 LF	\$ 1.39	\$ 2,342.15
2. 4" Gate Valve w/pits and drains	0	190.00	- - - -
3. 6" Class 150 Asbestos Cement Pipe	43,416 LF	2.02	87,700.32
4. 6" Gate Valves w/pits and drains	7 ea.	215.00	1,505.00
5. Culvert Crossings, (See Change Order No. 1)	0	88.00	- - - -
6. 2" Gate Valve w/valve boxes	9 ea.	47.00	423.00
7. 2" Plastic Pipe	748 LF	1.10	822.80
8. 1" Water Meters w/meter boxes	3	75.00	225.00
9. ACMP Encasement	265 LF	6.60	1,749.00
10. Pavement Repair	186.5 LF	5.00	932.50
11. Pumping Station (w/one pump)		L.S.	15,000.00
12. Automatic shut-off Control Installation		L.S.	1,250.00
11A Standby Pumping Unit		L.S.	4,100.00
Change Order No. 1 (See Narrative Report)			95,694.82
Change Order No. 2 (See Narrative Report)			1,741.28
Change Order No. 4 (See Narrative Report)			1,204.30
<i>Verified with Work Order Budgets</i> <i>James E. Stump, Sup. Dist.</i>			TOTAL \$214,690.17

PERSONAL SERVICES None	EQUIPMENT None	MATERIALS AND SUPPLIES \$174.62
OTHER \$1,639.39		

SUMMARY OF EXPENDITURES			
ORIGINAL CONTRACT AMOUNT \$ 184,582.14	FIRST \$ 27,072.33	SECOND \$ 1,741.28	THIRD None
FINAL CONTRACT AMOUNT \$ 214,690.17	FOURTH \$ 1,204.30	FIFTH	SIXTH

THIS PROJECT OR JOB HAS BEEN COMPLETED IN ACCORDANCE WITH
APPROVED DRAWINGS, SPECIFICATIONS, AUTHORIZED CHANGES

SUBMITTED BY (Name and title) James E. Stump, Project Supervisor	DATE July 21, 1958
APPROVED BY (Name and title) Warren J. Hamilton, Superintendent	DATE July 1958

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

GPO 514478

NARRATIVE REPORT

Contract No. 14-10-111-85

Account No. 332.12

Water Supply System
 Flamingo Development
 Everglades National Park

Base Contract:

Invitation for Bids - No. 11-16
 Bids Opened - 10:00 a.m. August 27, 1957
 Number of Bids Received - 10
 Bid - Total Base Bid (Items 1 through 12)..... \$180,482.14
 Alternate Bid (Item 11A)..... 4,100.00
 Total Bid..... \$184,582.14
 Date of Contract - August 27, 1957
 Notice to Proceed - September 12, 1957
 Designated Commencement Date - September 17, 1957
 Actual Commencement Date - September 30, 1957
 Designated Completion Date - February 13, 1958
 Extended Completion Date - March 15, 1958
 Actual Completion Date - March 15, 1958
 Final Acceptance Date - March 25, 1958
 Final Inspection Date - March 25, 1958
 Final Estimate Submitted - March 28, 1958
 Sub-Contractor - Walker Roofing Company, Homestead, Florida
 Installation of Pumping Station roof. Except for
 minor details all other work was performed by
 prime contractor.

Change Orders

Change Order No. 1 - dated September 26, 1957
 " " " 2 - " October 3, 1957
 " " " 3 - (Minor Modifications) dated October 30, 1957
 " " " 4 - " January 22, 1958

Actual Quantities and Payments:

Bid Item No. 1 - 4" Class 150 Asbestos-Cement Pipe 1,685 lin. ft. @ \$1.39 per lin. ft.	\$ 2,342.15
Bid Item No. 3 - 6" Class 150 Asbestos-Cement Pipe 43,416 lin. ft. @ \$2.02 per lin. ft.	87,700.32
Bid Item No. 4 - 6" Gate Valves w/pits and drains 7 Valves @ \$215.00 each	1,505.00
Bid Item No. 6 - 2" Valves w/valve boxes 9 Valves @ \$47.00 each	423.00

Bid Item No. 7 - 2" Plastic Pipe 748 lin. ft. @ \$1.10 per lin. ft.	822.80
Bid Item No. 8 - 1" Water Meters w/meter boxes 3 Meters @ \$75.00 each	225.00
Bid Item No. 9 - ACOMP Encasement 265 lin. ft. @ \$6.60 per lin. ft.	1,749.00
Bid Item No. 10 - Pavement Repair 186.5 lin. ft. @ \$5.00 per lin. ft.	932.50
Bid Item No. 11 - Pumping Station w/one pump One Pumping Station complete @	15,000.00
Bid Item No. 11A - Standby Pumping Unit One Unit complete @	4,100.00
Bid Item No. 12 - Automatic Shut-off Controls Complete Control System @	1,250.00

Change Order No. 1

Item No. 1 - 6" Class 150 Asbestos-Cement Pipe 41,891 lin. ft. @ \$2.02 per lin. ft.	\$84,619.82
Item No. 2 - 6" Gate Valves w/pits and Drains, 6 Valves @ \$215.00	1,290.00
Item No. 3 - 6" Standard Culvert Crossings 103 Culvert Crossings @ \$95.00 each	9,785.00
	<u>95,694.82</u>

Change Order No. 2

Item No. 1 - 4" Asbestos-Cement Pipe 800 lin. ft. complete @ \$1.39 per lin. ft.	1,112.00
Item No. 2 - Building Connections 3 Connections @ \$23.00 each	69.00
Item No. 3 - 4" 45 degree Plastic Ell 1 ell complete @	115.00
Item No. 4 - 4" x 2" Plastic Reducer 1 Reducer complete @	55.00
Item No. 5 - 2" Water Meter w/C.I. Box 1 Meter complete @	318.00
Item No. 6 - 4" Pipe Encasement 52 lin. ft. @ \$1.39 per lin. ft.	72.28
	<u>1,741.28</u>

Change Order No. 3

Minor modifications

Change Order No. 4

Item No. 1 - 4" Fire Hydrants 2 Hydrants complete @ \$575.00 each	1,150.00
Item No. 2 - 4" 45 Degree C.I. Bend 1 Bend complete @	29.50
Item No. 3 - Tapped Coupling and Corporation Stop, 1 complete tap @	24.80
	<u>1,204.30</u>
Total Construction Payment	\$214,690.17

- NOTES: (a) Change Order No. 1 was for the installation of 41,891 lin. ft. of 6" Asbestos-Cement Pipe in lieu of an equal amount of 4" pipe. The actual extra cost of the Change order was \$27,072.33.
- (b) Change Order No. 4 - Item No. 1, Fire Hydrants was charged to Account No. 333.9. This amount should be deducted from totals on Form 10-174.
- (c) The two 8" Wells were drilled and cased under a short-term contract by Roberts Engineering Company of 1819 N. W. 79th Street, Miami, Florida. Bids were opened on August 26, 1957. Work was completed on October 14, 1957. Total contract payment \$575.00. Charged to Account 332.12. This amount should be added to totals on Form 10-174.

Form U-174
(Rev. 1/56)UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF

COMPLETION REPORT OF CONSTRUCTION PROJECT

REGION ONE	AREA Everglades National Park	COUNTY Monroe	STATE Florida
PROJECT OR JOB TITLE Water Distribution System - Flamingo Development		PLP NO. U-30	
LOCATION IN AREA Cape Sable District		MASTER PLAN NO. NP-EVE 2138	BUILDING NO. None
WORKING DRAWING NO. AND TITLE NP-EVE 3017 B, Water Distribution System - Flamingo Development			
APPROPRIATION TITLE AND SYMBOL 14 X 1035 Construction NPS		ACCOUNT NO. 332.1	
CONTRACT NO. 14-10-111-72		DATE WORK STARTED October 29, 1956	DATE WORK COMPLETED March 16, 1957
NAME OF CONTRACTOR Edelblut Construction Company, Inc.		ADDRESS P. O. Box 845 Fort Myers, Florida	

COST ANALYSIS

CONSTRUCTION ITEMS	QTY.	UNIT COST IN PLACE	TOTAL COST IN PLACE
Bid Item No. 1 - 4" Asbestos-Cement Pipe	7312.2	\$ 2.00	\$ 14,624.40
" " " 2 - 6" " " "	2726.8	3.13	8,534.88
" " " 3 - C. I. Submarine Crossing	158.7	36.45	5,784.62
" " " 4 - 2" C. I. Pipe (Polyvinyl Substituted)	2000.0	1.58	3,160.00
" " " 5 - 2" Plastic Pipe	1265.5	1.45	1,834.98
" " " 6 - 1 1/2" " " "	2667.5	1.12	2,987.60
" " " 7 - 1" " " "	3312.7	.68	2,252.64
" " " 8 - 4" Fire Hydrants	4	195.50	782.00
" " " 9 - Concrete Hydrant Supports	8	59.00	472.00
" " " 10 - Concrete Service Curbs	17	42.35	719.95
" " " 11 - 3/4" Street Washers	20	35.20	704.00
" " " 12 - Valve Pit	1	700.00	700.00
Change Order No. 1 - Electric Duct			2,342.00
" " " 3 - Miscellaneous Items			1,794.31
" " " 4 - Electric Duct, Pull Boxes, etc.			1,888.30
		Total	\$ 48,581.68
Less electrical work performed under the contract and charged to account No. 332.11-See narrative report for details			4,696.50
Verified to cost Distribution Sheet			43,885.18
Total on Contract			\$ 12,402.68
Force account			
TOTAL			\$ 56,287.86

PERSONAL SERVICES \$ 1,385.35	EQUIPMENT \$ 8,063.97	MATERIALS AND SUPPLIES \$ 236.08
OTHER \$ 2,717.28		

CHANGE ORDERS					
ORIGINAL CONTRACT AMOUNT \$ 43,895.40	FIRST \$ 2,342.00	SECOND \$ 0.00	THIRD \$ 1,794.31		
FINAL CONTRACT AMOUNT \$ 43,885.18	FOURTH \$ 1,888.30	FIFTH	SIXTH		

THIS PROJECT OR JOB HAS BEEN COMPLETED IN ACCORDANCE WITH
APPROVED DRAWINGS, SPECIFICATIONS, AUTHORIZED CHANGES

SUBMITTED BY (Name and title) <i>James M. Stump</i> , Project Supervisor	DATE May 2, 1957
APPROVED BY (Name and title) <i>Donald B. Grant</i> , Superintendent	DATE May 2, 1957

NARRATIVE REPORT

Contract No. 14-10-111-72

Account No. 332.1

Water Distribution System
 Flamingo Development
 Everglades National Park

Base Contract:

Invitation for bids No. 11-3 - dated August 14, 1956
 Bids opened August 31, 1956
 Number of bids received Five
 Low Bidder - Edelblut Construction Company, Inc.
 Box 845, Fort Myers, Florida
 Bid - Total Base Bid (Items 1 through 12) \$43,895.44
 Notice of Award - September 5, 1956
 Date of Contract - September 5, 1956
 Notice to Proceed - October 17, 1956
 Designated Commencement Date - October 20, 1956
 Actual Commencement Date - October 29, 1956
 Designated No. Calendar Days to Complete - 150
 Designated Completion Date - March 18, 1957
 Extended Completion Date - April 17, 1957
 Final Inspection Date - March 16, 1957
 Final Acceptance Date - March 18, 1957
 Final Estimate Submitted - March 19, 1957

Change Orders:

Change Order No. 1 - dated October 25, 1956
 Change Order No. 2 - dated October 30, 1956
 Change Order No. 3 - dated December 6, 1956
 Change Order No. 4 - dated February 12, 1957

Actual Quantities and Payments:

Bid Item No. 1 - 4" Asbestos-Cement Pipe	
7312.2 Lin. Ft. @ \$2.00 per lin. ft.	\$14,624.40
Bid Item No. 2 - 6" Asbestos-Cement Pipe	
2726.8 Lin. Ft. @ \$3.13 per lin. ft.	8,534.88
Bid Item No. 3 - 6" Cast Iron Storm Water Crossing	
158.7 Lin. Ft. @ \$36.45 per lin. ft.	5,784.62

Bid Item No. 4 - 2" Cast Iron Pipe (Polyvinyl substituted - See Superintendent's letter to Contractor dated September 17, 1956)
2,000 Lin. Ft. @ \$1.58 per lin. ft. \$ 3,160.00

Bid Item No. 5 - 2" Plastic Pipe (Polyvinyl used in lieu of polyethylene - See Superintendent's letter to Contractor dated September 17, 1956.)
1,265.5 Lin. Ft. @ \$1.45 per lin. ft. 1,834.98

Bid Item No. 6 - 1-1/2" Plastic Pipe
2,667.5 Lin. Ft. @ \$1.12 per lin. ft. 2,987.60

Bid Item No. 7 - 1" Plastic Pipe
3312.7 Lin. Ft. @ \$0.68 per lin. ft. 2,252.64

Bid Item No. 8 - 4" Fire Hydrants
4 Hydrants @ \$195.50 each 782.00

Bid Item No. 9 - Concrete Hydrant Supports
8 Hydrants Supports @ \$59.00 each 472.00

Bid Item No. 10 - Concrete Service Curbs
17 Service Curbs @ \$42.35 each 719.95

Bid Item No. 11 - 3/4" Street Washers
20 Street Washers @ \$35.20 each 704.00

Bid Item No. 12 - Valve Pit
One Valve Pit Assembly @ 700.00

Change Order No. 1 - 2" Heavy Wall Transite Underground Duct
2,300 Lin. Ft. @ the Lump Sum of \$ 2,275.00
65 " " @ \$1.00 per lin. ft. 65.00
1 Cap @ \$2.00 each 2.00
\$ 2,342.00 2,342.00

Change Order No. 3 - Miscellaneous Items.

Item No. 1 - Finger Pier Water Distribution System.
3 Piers Complete @ \$221.80 each. 665.40

Item No. 2 - 1" Water Meter/w C. I. Box
1 Meter Complete @ 84.25

Item No. 5 - Drilling 2-1/2" Holes in Bulkhead Slabs		
4 Holes @ \$7.00 each	28.00	
Item No. 6 - 2" Transite Plugs		
28 Plugs @ \$0.50 each	14.00	
Item No. 7 - 3" Transite Plugs		
3 Plugs @ \$0.60 each	1.80	
Item No. 8 - 1" Copper Bypass for Valve Pit		
1 Bypass Assembly complete	25.00	
	<u>1,888.30</u>	<u>\$ 1,888.30</u>
TOTAL CONTRACT PAYMENT		\$48,581.68

SPECIAL NOTE

In order to facilitate the installation of the future underground secondary electrical distribution system at Flamingo the following work was performed under this contract and included in the actual quantities and payments:

Bid Item No. 1 - 4" Asbestos-Cement Pipe	
8.5 lin. ft. at \$2.00 per lin. ft.	\$ 17.00
Bid Item No. 5 - 2" Plastic Pipe	
41.0 lin. ft. at \$1.45 per lin. ft.	59.45
Bid Item No. 7 - 1" Plastic Pipe	
611.4 lin. ft. at \$0.60 per lin. ft.	415.75
Change Order No. 1 - Underground Duct	2,342.00
Change Order No. 4 - Electrical Duct and Pull Boxes (Less Item No. 8)	<u>1,862.30</u>
Total	\$ 4,696.50

The electrical work is chargeable to account No. 332.11 and will appear in a future completion report, therefore, the following deduction is made from the cost of this contract:

Total Contract Payment	\$ 48,581.68
Less Electrical Work	<u>4,696.50</u>
Cost of Water Distribution System	\$ 43,885.18

FORM 10-1-54
(Rev. 1/54)UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT 7 SP

COMPLETION REPORT OF CONSTRUCTION PROJECT

REGION ONE	AREA Everglades National Park	COUNTY Monroe	STATE Florida
PROJECT OR JOB TITLE Steel Water Storage Standpipe		PCP NO U-30	BUILDING NO None
LOCATION IN AREA Cape Sable District		MASTER PLAN NO NP- EVE 2138	
WORKING DRAWING NO. AND TITLE No			
APPROPRIATION TITLE AND SYMBOL 14 X 1035 Construction N.P.S.		ACCOUNT NO 332.1	
CONTRACT NO. 14-10-111-71		DATE WORK STARTED December 21, 1956	
NAME OF CONTRACTOR Hagan Manufacturing Company		DATE WORK COMPLETED February 26, 1957	
		ADDRESS P. O. Box 10022 McKellar Station Memphis 6, Tennessee	

COST ANALYSIS

CONSTRUCTION ITEMS	QTY.	UNIT COST IN PLACE	TOTAL COST IN PLACE
Total Base Bid	L. S.		\$ 30,810.00
Change Order No. 1			
Item No. 1 - Longer Piles		\$264.00	
Item No. 2 - Outside Ladder		278.00	
Item No. 3 - Safety Device		398.00	
		\$940.00	
	L. S.		940.00
Change Order No. 2 - Blue Paint			
	L. S.		326.62
TOTAL			\$ 32,076.62

*Verified to Cost Distribution sheet
by J. F. Quake, Super. Accountant*

SUMMARY OF EXPENDITURES

PERSONAL SERVICES	EQUIPMENT	MATERIALS AND SUPPLIES
OTHER		
\$32,076.62		
CHANGE ORDERS		
ORIGINAL CONTRACT AMOUNT	FIRST	SECOND
\$30,810.00	\$940.00	\$326.62
FINAL CONTRACT AMOUNT	FOURTH	FIFTH
\$32,076.62		

THIS PROJECT OR JOB HAS BEEN COMPLETED IN ACCORDANCE WITH
APPROVED DRAWINGS, SPECIFICATIONS, AUTHORIZED CHANGES

SUBMITTED BY (Name and title) <i>James M. Stump</i> , Project Supervisor	DATE May 2, 1957
APPROVED BY (Name and title) <i>Daniel B. Beaul</i> , Superintendent	DATE May 2, 1957

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

Item No. 3 - 1-1/2" Water Meter/w C. I. Box	
2 Meters @ \$153.14 each	306.28
Item No. 4 - 2" Water Meter/w C. I. Box	
1 Meter Complete @	215.00
Item No. 5 - 1-1/2" Gate Valve/w C. I. Box	
1 Valve Complete @ \$	20.00
Item No. 6 - 2" Gate Valve/w C. I. Box	
4 Valves @ \$25.00 each	100.00
Item No. 7 - 4" Gate Valves/w C. I. Box	
2 Valves @ \$55.50 each	111.00
Item No. 8 - 2" Plastic Tee, Adaptor and Plug	
1 Assembly, complete @	3.60
Item No. 9 - 4" x 4" x 2" C. I. Tee/w 2" Plug	
1 Tee, Complete @	21.08
Item No. 10 - 6" x 6" x 2" C. I. Tee/w Adaptors	
1 Tee, Complete @	30.10
Item No. 11 - 6" Class 250 Usiflex C. I. 45-degree bend	
1 Bend, Complete @	237.60
	<u>1,794.31</u> \$ 1,794.31
Change Order No. 4 - Electric Ducts and Pull Boxes	
Item No. 1 - 3" Heavy Wall Transite Duct	
290 Lin. Ft. @ \$1.50 per lin. ft.	435.00
Item No. 2 - 2" Heavy Wall Transite Duct	
1,025 Lin. Ft. @ \$1.30 per lin. ft.	1,332.50
Item No. 3 - 2" Transite Long Radius Sweeps	
6 Sweeps @ \$4.00 each	24.00
Item No. 4 - 14" x 14" x 24" Pull Boxes/w Cover	
4 Boxes @ \$7.00 each	28.00

NARRATIVE REPORT

Contract No. 14-10-111-71

Account No. 332.1

Steel Water Storage Standpipe
Flamingo Developed Area
Everglades National Park

Base Contract

Invitation for bids - No. 11-2
Bids opened - August 21, 1956
No. of bids Received- Four (4)
Low Bidder - Gifford Fabricators, Inc.
1106 Kansas Street
Memphis, Tennessee
Bid-Total base bid - \$30,810.00
Date of Contract - August 29, 1956
Notice to proceed - September 11, 1956
Designated Commencement date - September 14, 1956
Actual Commencement Date - December 21, 1956
Designated Number Calendar Days to Complete - 150
Designated Completion Date - February 10, 1957
Extended Completion Date - February 26, 1957
Actual Completion Date - February 26, 1957
Final Acceptance Date - March 28, 1957
Final Estimate Submitted - March 28, 1957

Special Notes

Gifford Fabricators, Inc. submitted a letter on November 5, 1956 advising that they were financially unable to perform the work under the contract.

On December 5, 1956 Hagan Manufacturing Co. of Memphis, Tennessee submitted a letter stating that they would construct the Standpipe under the same terms and conditions that Gifford Fabricators originally proposed. The contract was subsequently awarded to Hagan Manufacturing Company on December 7, 1956.

Sub-Contractor

Smith Foundation Company
1944 N. W. Sixth Street
Miami, Florida

Change Orders

Change Order No. 1 - dated January 16, 1957
 Change Order No. 2 - dated February 20, 1957

Actual Quantities and Payments

Total Base Bid - One steel water storage standpipe, complete \$30,810.00

Change Order No. 1

Item No. 1 - Installing 28 - 10" x 10" x 16'
 concrete piles in lieu of 28 - 10" x 10" x 14'
 piles at the total lump sum of \$264.00

Item No. 2 - Installing an outside ladder on
 the standpipe at the lump sum of 278.00

Item No. 3 - Installing a ladder safety
 device at the lump sum of 398.00
~~\$940.00~~ \$ 940.00

Change Order No. 2

Applying a coat of "Dresden Blue" paint
 to the exterior surface of the standpipe
 at the lump sum of \$326.62 \$ 326.62

Total Contract Payment \$32,076.62

Docket Information

Number of Documents in Docket 12
 Documents Dated from 5/2/1957 to 7/21/1958
 Docket Compiled: 3/10/2011