

RESOLUTION NO. 3252

A RESOLUTION AUTHORIZING THE MAYOR AND CITY CLERK TO EXECUTE CHANGE ORDERS NOS. 3 AND 4, RELATING TO THE CONTRACT WITH BOYCE COMPANY FOR CONSTRUCTION OF THE EAST GOLDEN GATE RAW WATER TRANSMISSION MAIN; GRANTING THE CONTRACTOR'S REQUEST FOR A FORTY-FIVE DAY EXTENSION OF TIME FOR COMPLETION OF THE PROJECT; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, coordination with the State of Florida Department of Transportation for construction of I-75 has resulted in modifications to the pipe line for the East Golden Gate Raw Water Transmission Main project and adjustments in the final cleanup costs; and

WHEREAS, the City's Consulting Engineer on the project has recommended that Change Orders Nos. 3 and 4, attached hereto, be executed by the City and that the forty-five day extension for completion of the project as requested by the contractor be approved;

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF NAPLES, FLORIDA:

SECTION 1. That the Mayor and City Clerk are hereby authorized to execute Change Orders Nos. 3 and 4, relating to the contract with Boyce Company for construction of the East Golden Gate Raw Water Transmission Main, being Project No. NA30510.7, copies of which are attached hereto and incorporated herein.

SECTION 2. That the forty-five day extension of time for completion of the project as requested by the contractor is hereby approved.

SECTION 3. This resolution shall take effect immediately upon adoption.

PASSED IN OPEN AND REGULAR SESSION OF THE CITY COUNCIL OF THE CITY OF NAPLES, FLORIDA, THIS 2nd DAY OF MAY, 1979.

R. B. Anderson
R. B. Anderson

Mayor

ATTEST:

Janet Davis Cason
Janet Davis Cason
City Clerk

APPROVED AS TO FORM AND LEGALITY BY

David W. Rynders
David W. Rynders, City Attorney

CHANGE ORDER NO. 3

The following additions and deletions to the Contract pertain to the segment of the construction lying between the centerlines of 62nd St. S.W. and 64th St. S.W. along Golden Gate Parkway (C-886). All costs associated with this segment, both under the original Contract and with this change order, are described below even when the items are associated with both the original Contract and the change. The limits of 62nd St. and 64th St. represent the limits of influence of the changes coordinated with the State of Florida Department of Transportation for the future construction of I-75.

Deletions:

Item*	Quantity	Unit	Unit Price	Amount
1. Furnish and install 36" concrete pressure pipe	1143	lin ft	\$ 44.30	\$ 50,634.90
3. Furnish and install 36" concrete pressure pipe, restrained joint type	565	lin ft	54.25	30,651.25
4. Furnish and install 36" flanged butterfly valves complete with all necessary adapters, boxes, and other accessories	4	each	9400.00	37,600.00
5. Furnish and install the following restrained joint fittings complete with reaction blocking and all required accessories:				
a. 36" 45° bends	2	each	1520.00	3,040.00
b. 36" x 36" 45° wye	2	each	5525.00	11,050.00
c. main endings	2	each	3300.00	6,600.00
8. Furnish on-site BP12-74 H-Section steel piling	400	lin ft	30.00	12,000.00

* Item Number Coincides with Item Number in Contract.

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Item	Quantity	Unit	Unit Price	Amount
9. Drive 12-74 H-Section steel piling	400	lin ft	\$ 14.00	\$ 5,600.00
12. Form, pour and finish concrete encasement for steel H-Piles	10	each	320.00	3,200.00
13. Form, pour and finish reinforced concrete pile caps	5	each	600.00	3,000.00
19. Furnish and install 36" concrete pressure pipe restrained joint, and fittings at Canal Crossing No. 6 complete with flange outlet for air valve. Item includes all pipe and fittings between and including the lower 22½° bends.		lump sum		15,300.00
22. Furnish and install 6" flanged combination air-vacuum relief valves complete with butterfly valve and piping	1	each	960.00	960.00
29. Cut and replace asphalt or bituminous pavement on State roads and County thoroughfares that are crossed	20	lin ft	15.20	314.00
31. Additional cost to excavate rock over and above the cost of common excavation	1100	cu yd	1.00	1,100.00

Item	Quantity	Unit	Unit Price	Amount
32. Fertilize, seed, mulch and water all damaged areas in accordance with Florida DOT specifications	1708	lin ft	\$ 0.30	\$ 512.40
TOTAL DELETION:				\$181,562.55
<u>Additions:</u>				
1. Furnish and install 36" concrete pressure pipe	760	lin ft	44.30	33,668.00
3. Furnish and install 36" concrete pressure pipe, restrained joint type	680	lin ft	54.25	36,890.00
4. Furnish and install 36" butterfly valves complete with all necessary adapters, boxes, and other accessories	4	each	9400.00	37,600.00
5. Furnish and install the following restrained joint fittings complete with reaction blocking and all required accessories:				
d. 36" blind flange	2	each	770.00	1,540.00
i. 36" 45° wye	2	each	5,525.00	11,050.00
add- 36" closure	1	each	2,000.00	2,000.00
8. Furnish on-site BP12-74 H-Section steel piling	691	lin ft	30.00	20,730.00

Item	Quantity	Unit	Unit Price	Amount
9. Drive BP12-74 H-Section steel piling	331	lin ft	\$ 14.00	\$ 4,634.00
10. Furnish on-site 12" x 12" prestressed concrete piling	425	lin ft	14.00	5,950.00
11. Drive 12" x 12" pre-stressed concrete piling	418	lin ft	15.00	6,270.00
13. Form, pour and finish reinforced concrete pile caps	4	each	600.00	2,400.00
19. Furnish and install 36" concrete pressure pipe, restrained joint, and fittings at Canal Crossing No. 6A complete with flange outlet for air valve. Item includes all pipe and fittings between and including the lower 22½° bends		lump sum		15,300.00
22. Furnish and install 6" flanged combination air-vacuum relief valves complete with butterfly valve and piping	1	each	960.00	960.00
29. Cut and replace asphalt or bituminous pavement on State roads and County thoroughfares that are crossed	20	lin ft	15.70	314.00

Change Order No. 3
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NA30510.72

Item	Quantity	Unit	Unit Price	Amount
31. Additional cost to excavate rock over and above the cost of common excavation	1120	cu yd	\$ 1.00	\$ 1,120.00
32. Fertilize, seed, mulch and water all damaged areas in accordance with Florida DOT specifications	1600	lin ft	0.30	480.00
Add-1 Install temporary 24" ductile iron pipe crossing at Canal Crossing No. 6 including all costs not covered by Items No. 4,5,8 & 9			lump sum	53,097.16
Add-2 Remove existing canal spoil bank along pipeline route			lump sum	8,000.00
Add-3 Pre-Blast 50 ft. section of proposed canal to 2 ft below bottom of canal			lump sum	8,000.00
Add-4 Excavate and re-fill 30 ft section of proposed canal			lump sum	11,200.00
Add-5 Remobilization due to delay in easement acquisitions			lump sum	5,600.00
Add-6 Furnish materials for future tie-in at existing canal			lump sum	10,088.13
TOTAL ADDITIONS:				\$276,891.39

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1000

Change Order No. 3

Date April 18, 1979

CONTRACT SUMMARY

Original Contract Amount	\$ <u>5,969,824.90</u>
Change Order No. <u>1</u> (Add) (XXXXXX)	\$ <u>275,432.95</u>
Change Order No. <u>2</u> (Add) (XXXXXX)	\$ <u>671,880.00</u>
Change Order No. <u>3</u> (Add) (XXXXXX)	\$ <u>95,328.84</u>
Change Order No. _____ (Add) (Delete)	\$ _____
Adjusted Contract Amount	\$ <u>7,012,466.69</u>

Original Completion Date March 1, 1979

Extension of Time 45 Days

Adjusted Completion Date April 15, 1979

RECOMMENDED:

CH2M HILL

BY _____

Date _____

BY _____
Resident Engineer

APPROVED:

CITY OF NAPLES
Owner

BY R. B. Anderson

Date May 4, 1979

ACCEPTED:

Boyce Company
Contractor

BY _____

Date _____

BY Janet Davis Co

Date May 4, 1979

BOYCE COMPANY

UTILITIES CONSTRUCTION
00301

12900 34th St., N. Gateway Mall P.O. Box 20200, St. Petersburg, Fla. 33742

PHONE: 813) 577-3040

February 15, 1979

RECEIVED

FEB 16 1979

Mr. David N. Markey
CH2M Hill, Inc.
P. O. Box 3317
Naples, Florida 33939

C. H. 2. M. HILL, NAPLES

Re: East Golden Gate Raw Water Transmission Main

Dear Dave:

We are making every effort to complete the installation and testing of all pipes on this project by our March 1, 1979 deadline. There is some concern regarding the proposed I-75 area; however, we are progressing there as rapidly as possible.

You are aware of some problems that we have encountered that might cause us to extend our work past March 1. For the record they are listed as follows:

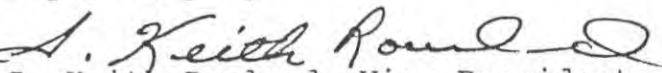
1. Initial delivery of pipe and fittings ordered from Price Brothers Company (Noted in correspondence to Price Brothers dated July 19, 1978).
2. Total delivery of pipe and fittings ordered for Interpace Corporation (Promised delivery rate would have all material on jobsite by December 1, 1978 when in fact all material shipments are incomplete as of date of this letter).
3. Changes in design and location of original project.
 - a. Addition of Change Order #1 and Change Order #2.
 - b. Relocated pipe, changed design and additional crossing at I-75 area.
4. Permit and Right of Way.
 - a. Gordon River Area
 - b. I-75 Area

Because of these various items we feel that a request for an extension of time to our contract is not unreasonable. An additional thirty (30) days to complete the pipe work and forty-five (45) days to complete the restoration should be sufficient.

If you have any questions concerning this matter, please do not hesitate to contact me.

Sincerely,

Boyce Company


S. Keith Rowland, Vice President

SKR/kjt

18 April 1979

CHANGE ORDER NO. 4

TO: The City of Naples

FOR: East Golden Gate Raw Water
Transmission Main

PROJECT NO. NA30510.7

The following increases/decreases (+/-) in unit quantities on the items listed in the original Contract bid schedule, Change Order No. 1, and Change Order No. 2 reflect the final quantities installed by the contractor under his Contract with the City:

(SEE ATTACHED)

Item	Contract Quantity Including C.O.1, C.O.2, & C.O.3	Actual Quantity	Adjustment in Quantity (+/-)	Unit Cost	Adjustment In Cost (+/-)
(a)	2 ea	0	- 2	1,410.00	- 2,820.00
(b)	4 ea	6	+ 2	1,520.00	+ 3,040.00
(c)	6 ea	7	+ 1	2,225.00	+ 2,225.00
(d)	9 ea	10	+ 1	770.00	+ 770.00
(e)	0 ea	1	+ 1	2,735.00	+ 2,735.00
(h)	5 ea	4	- 1	165.00	- 165.00
(i)	9 ea	10	+ 1	5,525.00	+ 5,525.00
(l)	2 ea	3	+ 1	4,550.00	+ 4,550.00
.	0 ea	1.572	+ 1.572	3,000.00	+ 4,716.00
.	2,671 lin ft	3,140	+ 469	30.00	+ 14,070.00
.	2,311 lin ft	2,300	- 11	14.00	- 154.00
0.	925 lin ft	725	- 200	14.00	- 2,800.00
1.	918 lin ft	698.5	- 219.5	15.00	- 3,292.50
3.	31 ea	29	- 2	600.00	- 1,200.00
3.	21 ea	24	+ 3	635.00	+ 1,905.00
24.	4,100 lin ft	1,592	- 2,508	3.50	- 8,778.00
25.	40,000 sq yd	24,669	- 15,331	2.75	- 42,160.25

000307

Item	Contract Quantity Including C.O.1, C.O.2, & C.O.3	Actual Quantity	Adjustment in Quantity (+/-)	Unit Cost	Adjustment In Cost (+/-)
6.	55,400 lin ft	51,364	- 4,036	\$ 1.65	-\$ 6,659.40
7.	1,965 lin ft	1,221	- 744	9.30	- 6,919.20
8.	100 lin ft	18	- 82	30.00	- 2,460.00
9.	1,770 lin ft	1,860.5	+ 90.5	15.70	+ 1,420.85
0. (a)	617 lin ft	0	- 617	5.90	- 3,640.30
(b)	617 lin ft	0	- 617	7.70	- 4,750.90
(c)	617 lin ft	0	- 617	4.20	- 2,591.40
(d)	970 lin ft	0	- 970	1.50	- 1,455.00
1.	28,970 cu yd	41,867	+12,897	1.00	+ 12,897.00
2.	108,522 lin ft	98,078	-10,444	0.30	- 3,133.20
3.	2,300 lin ft	1,903	- 397	1.50	- 595.50
4.	300 lin ft	239	- 61	12.00	- 732.00
1.0.1-1	1,645 lin ft	1,948.69	+ 303.69	51.56	+ 15,658.26
1.0.1-2	1,275 lin ft	1,042.31	- 232.69	59.21	- 13,777.57
1.0.1-9	Lump sum	0	- L.S.	3,720.00	- 3,720.00
1.0.1-13	Lump sum	½L.S.	- ½L.S.	4,800.00	- 2,400.00
1.0.2-1	12,300 lin ft	12,171	- 129	45.00	- 5,805.00
1.0.2-2	60 ea	23	- 37	550.00	- 20,350.00

000309

-3-

Item	Contract Quantity Including C.O.1, C.O.2, & C.O.3	Actual Quantity	Adjustment in Quantity (+/-)	Unit Cost	Adjustment In Cost (+/-)
.O.2-3	250 lin ft	499	+ 249	\$ 35.00	+\$ 8,715.00
.O.2-8	6.96 tons	7.61	+ 0.65	3,500.00	+ 2,275.00
.O.2-13	2,000 cu yd	<u>1,000</u>	- 1,000	3.00	- 3,000.00

NET ADDITIONS/DELETIONS (+/-) ON UNIT PRICE BASIS

-\$183,948.49

18 April 1973

000311

CHANGE ORDER NO. 4 (continued)

The following items were added or deleted through the period of the project at the discretion of the Engineer due to unforeseen field conditions, requirements of right-of-way authorities, advantageous re-alignments of the work, or general minor improvements to the overall project. These items are similar in type to those in the first portion of this change order; however, no specific unit prices were available in the original or revised contract to cover them. The unit prices herein or negotiated lump sums were derived almost exclusively from the actual contract prices for similar items or a time and material basis when the work was accomplished.

A. Area Covered By Original Contract:

<u>Item*</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Amount</u>
1. Air release valve boxes and manholes changed to stronger, more accessible design. Cost is difference in materials only	17	each	\$ 456.00	\$7,752.00
2. Resolution of construction conflict on east end of project involving rerouting of pipeline, drainage facilities, the addition of new drainage facilities, and the installation of additional fittings and valves. Costs derived primarily from similar unit prices		lump sum		21,340.00
3. Charges incurred by the contractor for relocation of power lines at Canal Crossings 1, 2 and 3 as a result of a change in alignment stipulated in the Collier County right-of-way permit. Actual charges		lump sum		5,643.00

*Item Number Coincides with Item Number in Contract.

Item	Quantity	Unit	Unit Price	Amount
4. Additional costs in overlaying Golden Gate Parkway at C-951 re-sulting from pipeline realignment. Cost is based on equivalent unit price for overlay on Golden Gate Blvd. The change resulted in a net decrease of cost when unit items are deleted above.				
		lump sum		\$ 2,667.00
5. Additional costs covering time and materials for piling subcontractor during initial driving efforts due to unforeseen foundation problems at canal crossings. In-field experimentation on piling procedures resulted in substantial savings in the associated unit prices.	5	days	2,000.00	10,000.00
6. Flush and clean existing ductile iron pipe pre-set under Airport Road by City under separate contract				
		lump sum		600.00
7. Furnish and deliver materials to City to be used for emergency re-pairs including various adapters, closures, fittings, piping and accessories. Costs based on invoiced costs plus handling				
		lump sum		14,971.10

B. Area Covered By Change Order No. 1:

Item	Quantity	Unit	Unit Price	Amount
1. Air release manholes as stipulated above	4	each	\$ 456.00	\$ 1,824.00
2. Overlay of east end of Fleischmann Blvd. in lieu of patching where cuts were made		lump sum		1,740.00
3. Installation of 6" water main extension and fire hydrant at Goodlette Road and Fleischmann Blvd. including jack and bore under railroad. This item was part of the City's negotiations for easement acquisition		lump sum		16,205.00

C. Area Covered By Change Order No. 2:

1. Air release manholes as stipulated above	2	each	456.00	912.00
2. Add pre-cast enclosures for surge relief valves for additional protection and ease of maintenance	2	each	768.00	1,536.00
3. Extension of drainage culverts in well field into canal to prevent stoppages in accordance with County requirements	180	feet	33.00	5,940.00

Item	Quantity	Unit	Unit Price	Amount
4. Add headwalls to catch basins in well field to prevent erosion, to decrease road hazard, and to aid in drainage maintenance. Change was agreed upon variance to County permit requirement.	18	each	\$ 447.00	\$ 8,046.00
5. (Delete) charges credited to City for furnishing 24" ductile iron pipe when contractor's deliveries were delayed.	120	feet	22.00	(2,640.00)
SUB-TOTAL FROM A, B & C				\$96,536.10

SUMMARY - CHANGE ORDER NO. 4

I. Net Additions/Deletions (+/-) on a unit price basis, based on final Contract quantities:	- \$183,948.49
II. Net Additions/Deletions (+/-) on a non-unit price basis:	<u>+ \$ 96,536.10</u>
Net Deletions (-) Under Change Order No. 4:	- \$ 87,412.39

Change Order No. 4

Date April 18, 1979

CONTRACT SUMMARY

Original Contract Amount	\$ <u>5,969,824.90</u>
Change Order No. <u>1</u> (Add) (XXXXXX)	\$ <u>275,432.95</u>
Change Order No. <u>2</u> (Add) (XXXXXX)	\$ <u>671,880.00</u>
Change Order No. <u>3</u> (Add) (XXXXXX)	\$ <u>95,328.84</u>
Change Order No. <u>4</u> (XXX) (Delete)	\$ <u>87,412.39</u>
Adjusted Contract Amount	\$ <u>6,925,054.30</u>

Original Completion Date March 1, 1979

Extension of Time 45 Days

Adjusted Completion Date April 15, 1979

RECOMMENDED:

CH2M HILL

BY _____

Date _____

BY _____
Resident Engineer

APPROVED:

CITY OF NAPLES

Owner

BY R. B. Anderson

Date May 4, 1979

ACCEPTED:

Boyce Company
Contractor

BY _____

Date _____

BY Janet Davis Cason

Date May 4, 1979