



City of
**Lake Worth
Beach**
FLORIDA™

WATER UTILITIES DEPARTMENT
301 COLLEGE STREET
LAKE WORTH BEACH, FL 33460
561.586.1710

CHANGE ORDER

Project Number: NR-1903 **Contractor:** Foster Marine Contractor, Inc.

Project Name: District 3, Year 3 Outfall Project

Change Order Number: 2- Final

Change Order Effective Date: January 18, 2021 **Contractor Phone:** 561-683-0034

Change Order Type: Time **Existing Purchase Order Number:** 182032

Description of Change: During construction phase of this project several changes were made to improve the overall final product and constructability for both project sites. Changes to the final construction plan are identified in the attached Work Directive Changes 2 & 3. The changes include keeping and improving some of the existing bulk head sections of the seawall and piping, providing additional closure pours, and providing a offset angle sleeve in order to mount a tide check valve. The above changes required additional time of 45 days, however they provided for a savings in construction cost \$21,525.72.



**See Work Directive Change 2 and 3 attached
after the signature page of this change order**



Approved by:  12/29/21
Water Department Director (Date)

IN WITNESS WHEREOF, the OWNER/CITY has approved this Change Order No. 2-final
to the District 3, Year 3 Outfall Project on _____, 20__.

CITY OF LAKE WORTH BEACH, FLORIDA

ATTEST:

By: _____
Melissa Coyne, City Clerk

APPROVED AS TO FORM AND
LEGAL SUFFICIENCY:

By: _____
Glen J. Torcivia, City Attorney

By: _____
Betty Resch, Mayor

APPROVED FOR FINANCIAL
SUFFICIENCY

By: _____
Bruce T. Miller, Financial Services Director

**WATER UTILITIES DEPARTMENT**

301 College Street
Lake Worth, FL 33460
561.586.1710

WORK DIRECTIVE CHANGEDate of Issuance: September 29, 2021WDC Number: 2P.O.: 182032Project Number: NR 1903Project Name: District 3 Outfall ProjectContractor: Foster Marine Contractors, Inc.Contractor Phone: (561) 683-0034Engineer: Baxter - Woodman, Inc.Owner (Name, Address): City of Lake Worth Beach

You are directed to proceed promptly with the following Change(s):
Purpose of the work:

1. Construct seawall cap in accordance with revised design approved by the City with no contract price increase.
2. Delete removal and replacement of 54" pipe and approximately 20 LF of adjacent existing seawall and construct modified cap for existing seawall at the 18th Ave. N. outfall for a net savings of (\$13,042.50) in accordance with contractor's itemized proposal.

Attachments: Modified cap design for entire project; modified cap for existing seawall at 18th Ave. N.; Contractor cost submittal.

If a claim is made that the above change(s) have affected Contract Price or Contract Time, any claim for a Change Order based thereon will involve one of the following methods of determining the effect of the change(s).

Method of Determining change in Contract Price:

<u> </u>	Time & Materials
<u> X </u>	Unit Price as Negotiated
<u> </u>	Cost Plus fixed Fee

Method of Determining change in Contract Time:

<u> </u>	Contractor's Records
<u> X </u>	Engineer's Records
<u> </u>	Other

Estimated Increase (decrease) in Contract Price: -0- Time:
If the change involves an increase, the estimated amount is not to be exceeded without further authorization.

Estimated Increase (decrease) in Contract Time: -30- Days. If the change involves an increase, the estimated time is not to be exceeded without further authorization.

Reviewed and Recommended by:

[Signature]
Program Manager

September 29, 2021
Date

Accepted by:

Howard Wight
Contractor

9/29/21
Date

Authorized by:

[Signature]
Water Utilities Asst. Director

9/29/2021
Date

Authorized by:

[Signature]
Water Utilities Director

9/30/21
Date

CONTRACTOR and the OWNER agree that this WORK DIRECTIVE CHANGE represents the complete agreement of the parties with respect to these matters as of the date of this WORK DIRECTIVE CHANGE. By approving this WORK DIRECTIVE CHANGE, the CONTRACTOR releases any and all claims that it may have against the OWNER under the subject contract including, but not limited to claims for equitable adjustments, which occurred or accrued prior to the effective date of this WORK DIRECTIVE CHANGE except those claims made in writing to the OWNER prior to the effective date of this WORK DIRECTIVE CHANGE.



Foster Marine Contractors, Inc.

3180 Fairlane Farms Rd. Wellington, FL 33414

Phone (561) 683-0034 Fax (561) 683-0335

DATE: 8/20/2021
PRODUCT NUMBER/TITLE: ALTERNATE PILE CAP DESIGN & CAP JOINT LAYOUT (REVISED)
PROJECT: District 3 Outfall Project

OWNER:



City of Lake Worth Beach

ENGINEER:



477 S. Rosemary Ave. Suite 330,
West Palm Beach, FL 33401
Phone: 561-655-6175 Fax: 561-655-6179

CONTRACTOR: Foster Marine Contractors, Inc.
Job # 21-102

SUPPLIER: Murray Logan Construction, Inc.

SUBMITTAL ID Number: 011R (Revised/Resubmitted)

APPROVED:

R. Howard Wight

Murray Logan Construction, Inc.

313 65th Trail N.

West Palm Beach, FL. 33413

Phone: 561-686-3948 Fax: 561-686-7465

August 19, 2021

City of Lake Worth Neighborhood Road Project, District 3, Year 3 Outfall Project Project #140503004

Alternate Pile Cap Design & Cap Joint Layout

REV1

Response to comments on Cap Layout:

1. Detail 3/SD-2 is for an Expansion Joint and there is no detail given for the Construction Joints, they are two different types of control joints. Note 1 of detail 3/SD-2 describes the Construction Joint as a 1" V Groove along both faces and top of cap.
2. Wellesley Dr.'s cap joint lay out plan complies with the intent of the plans.
 - a) At the north end of the seawall there is an expansion joint between the new wall and the neighboring existing wall. Since the City does not own the existing wall to the north we cannot make a physical connection to it, dowels cannot be inserted.
 - b) The wall is less than 75' in total length, so an expansion joint is not technically required, however there is one at the north end of the project.
 - c) Detail 3/SD-2 note 1 states that Construction Joints be spaced at 25' max between Expansion Joints and at all changes of direction. The cap joint lay out plan shows a Construction Joint at the first bend in the seawall which is 22'5" south on the Expansion Joint, at the north end of the seawall. The next Construction Joint is located at the second bend in the seawall which is approximately 22'5" southwest of the first Construction Joint. The seawall then runs and then terminates approximately 15'10" to the west of the second construction joint. The total length of the wall is approximately 66' 8".
 - d) Detail 3/SD-2 of contract draws details how to construct the Expansion Joint, no need to show a repetitive detail on the lay out drawing.

3. 18th Ave North cap joint lay out complies with the intent of the plans:
- a) At the north end of the seawall there is an expansion joint between the new wall and the neighboring existing wall. Since the City does not own the existing wall to the north we cannot make a physical connection to it, dowels cannot be inserted.
 - b) 33.39' southwest from the north end of the seawall there is another Expansion Joint. The total length of the wall is approximately 81.41', therefore the layout of the Expansion Joints complies with the intent of the plans.
 - c) The cap joint plan shows 3ea Construction Joints, one at each bend in the wall, (2ea) and another one centered on the south return wall. None of the Construction Joints are more than 20'10" from another Construction Joint or Expansion Joint, this complies with detail 3/SD-2 note 1 "Construction Joints be spaced at 25' max between Expansion Joints and at all changes of direction."
 - d) Detail 3/SD-2 of contract draws details how to construct the Expansion Joint, no need to show a repetitive detail on the lay out drawing.
4. Detail 3/SD-2 is intended for a steel sheet pile wall, not a concrete king panel wall. Steel sheet piling and concrete expand and contract at different rates making more of a need an Expansion Joint. A concrete panel wall tends to expand and contract at the same rate making the Expansion Joint less needed. I also feel that adding the dowels to the Expansion Joint is more problematic then beneficial, especially in a saltwater environment, as it creates a spot to promote premature corrosion of the reinforcing steel.

Response to comments on Cap Detail:

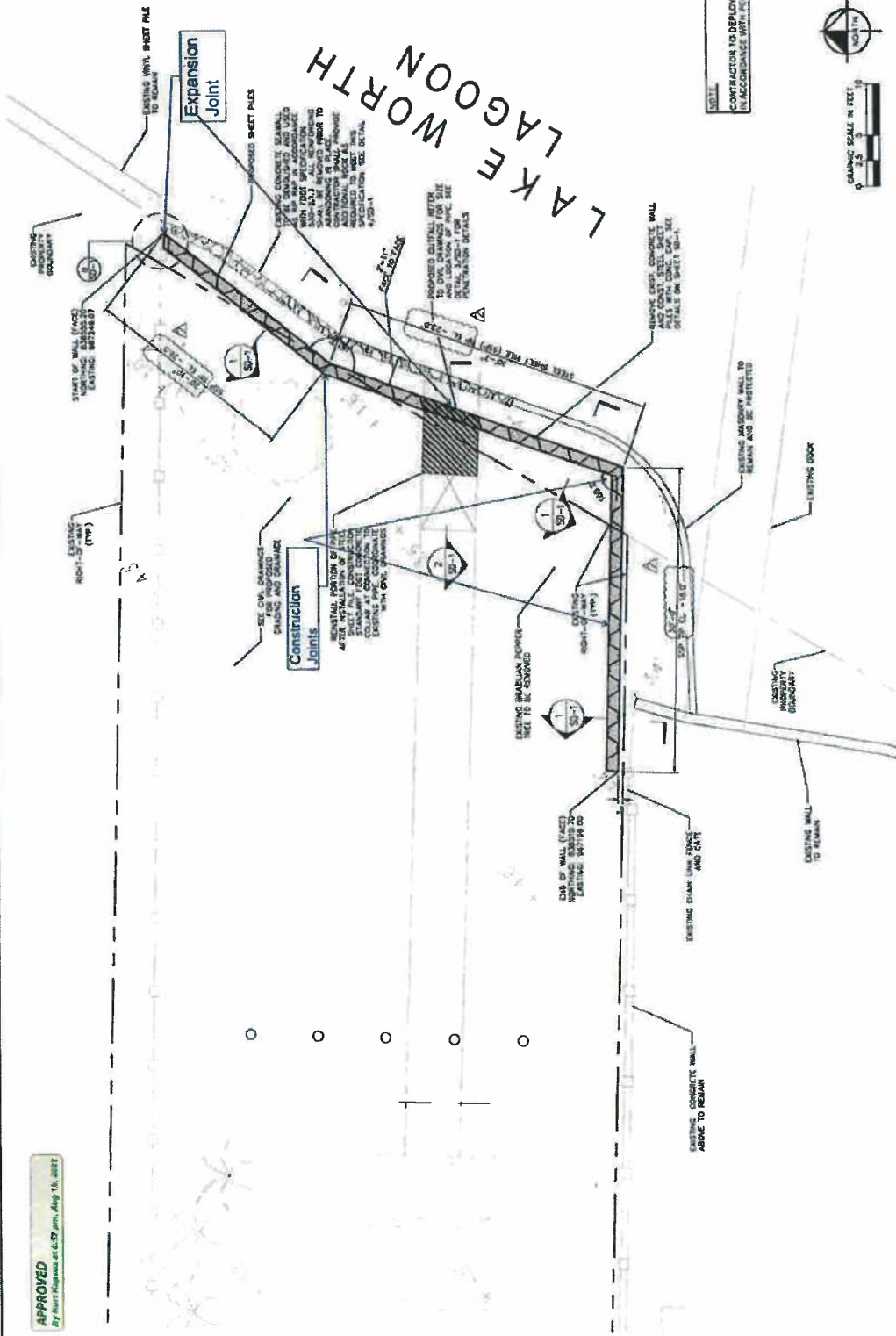
1. The alternate cap detail was provided in good faith with the intent of giving the City of Lake Worth (in my opinion) a better seawall cap design than the one provided on the drawings, at no additional cost to the City. The design given was based on past projects which utilized the same reinforcing steel layout and clearances as shown on the alternate cap detail submitted. Murray Logan Construction, Inc has installed thousands of feet of cap constructed to this detail, with no failures. Murray Logan Construction, Inc will install the alternate cap, per the design submitted by Murray Logan Construction, Inc. at no additional cost to the City.

B&W Reviewer

If the City of Lake Worth wishes to have the cap constructed to the alternate cap design including the additional reinforcing steel added by the EOR, Murray Logan Construction, Inc will need to request a change order to cover the cost of the additional labor and materials needed to meet the design.

APPROVED
By: [Signature] Date: 08/15/2017

- REMARKS:**
1. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION.
 2. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION.
 3. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION.



NOTES:
CONTRACTOR IS TO DEPLOY TURBIDITY CHARTER IN ACCORDANCE WITH PERMIT REQUIREMENTS

100% SUBMITTAL

18TH AVENUE NORTH OUTFALL

SHEET NO.		S-5	
PROPOSED STRUCTURE PLAN 18TH AVE. NORTH			
CITY OF LAKE WORTH, FLORIDA		PROJECT NO.	
Kimley-Horn and Associates, Inc.		PROJECT NO.	
Certificate Of Authorization No. 896		PROJECT NO.	
Chesapeake Beach, VA		PROJECT NO.	
P.E. License No. 84300		PROJECT NO.	
1901 West Palm Beach, Florida 33411		PROJECT NO.	



MURRAY LOGAN CONSTRUCTION, INC.
General Contractors

313 65th TRAIL NORTH • WEST PALM BEACH, FL 33413
PH: (561) 686-3948 • FAX: (561) 686-7465

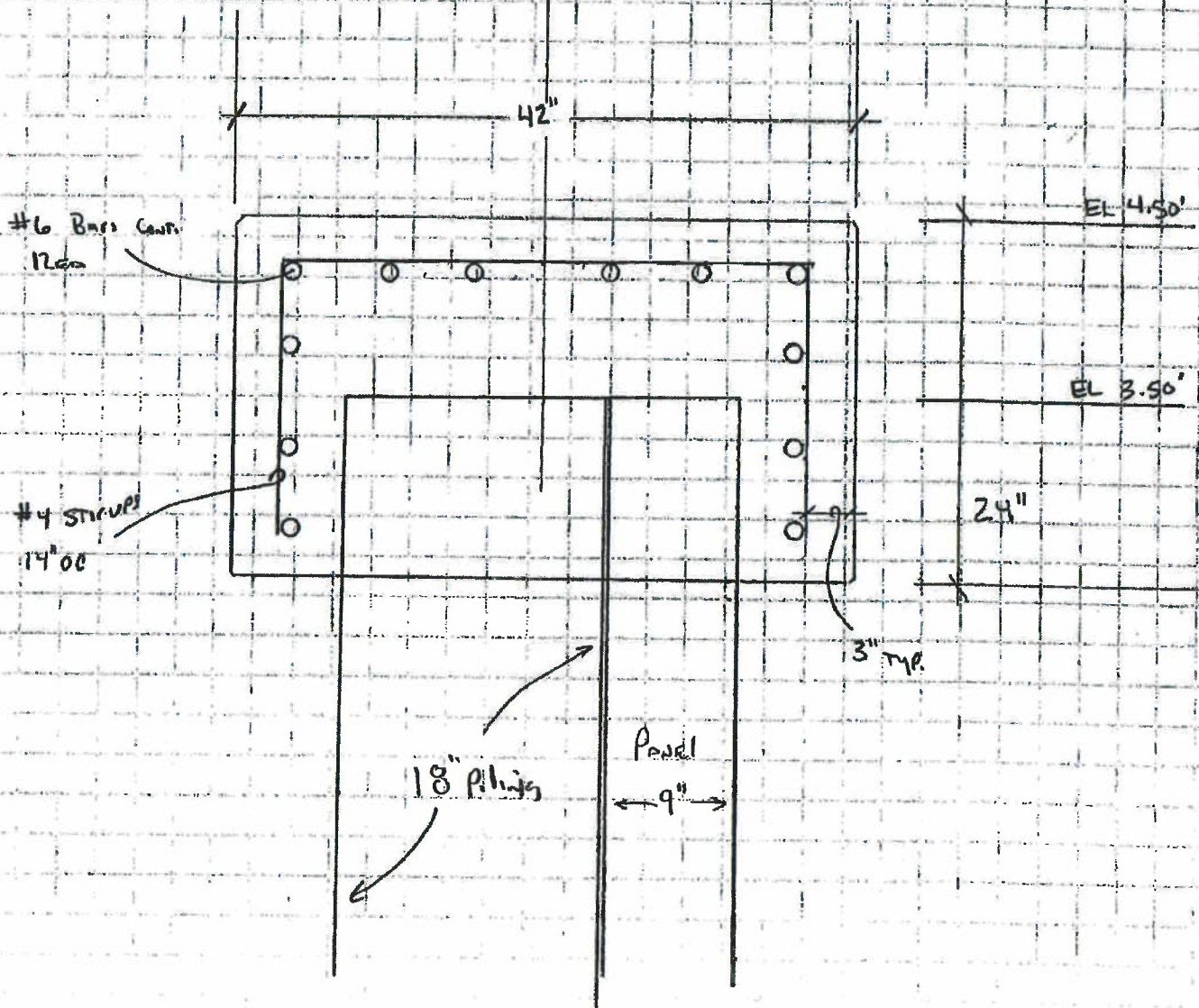
DATE _____

PAGE _____ OF _____ PAGES

PROJECT Lake Worth outfall - Typical Cap Detail @ Pile

APPROVED

By Kurt Kapsos at 8:58 pm, Aug 19, 2021





MURRAY LOGAN CONSTRUCTION, INC.
General Contractors

313 65th TRAIL NORTH • WEST PALM BEACH, FL 33413
PH: (561) 686-3948 • FAX: (561) 686-7465

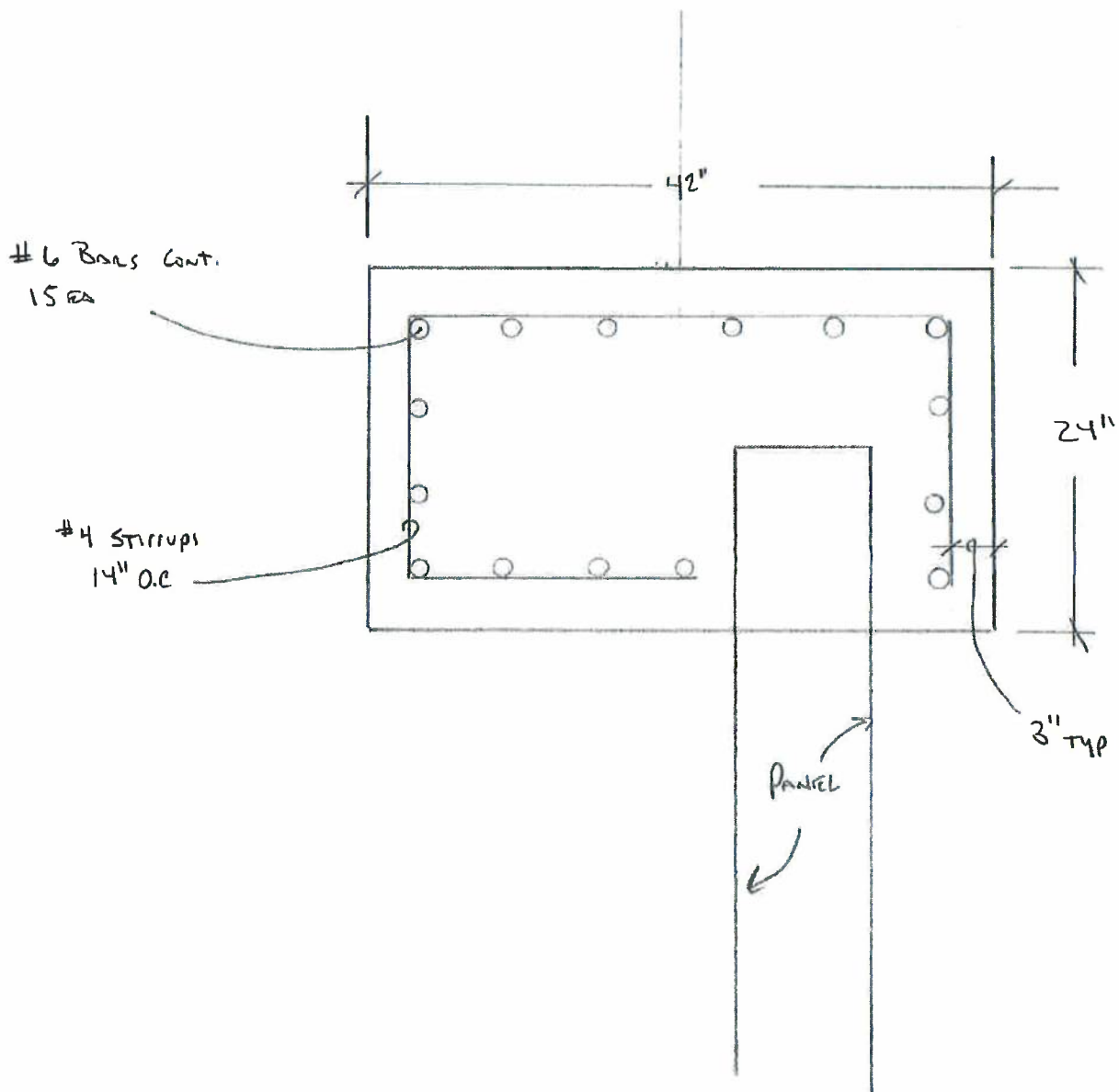
DATE _____

PAGE _____ OF _____ PAGES

PROJECT Lake Worth Off II - Typical Cap Detail @ Panel (only)

APPROVED

By Kurt Kapsos at 8:58 pm, Aug 19, 2021



From: Howard Wight

Sent: Friday, August 20, 2021 2:22 PM

To: Giles Rhoads <grhoads@lakeworthbeachfl.gov>; Richard M. Chipman <RChipman@baxterwoodman.com>; Richard Hasko <rchasko@outlook.com>

Cc: JC Solomon <JC@Foster-Marine.net>; 'Kurt Kapsos' <kurtk@murraylogan.com>

Subject: FW: Lake Worth Outfall - Alternate Cap detail

To all:

It is my opinion that we have all thought about the design of the cap than K-H ever did! Kurt's design provides more concrete/rebar "meat" on the Piles / Panel sides and has 12 continuous #6 bars to 10 on the K-H design. Adding more bars to Kurt's design he would be due a Change Order for additional Materials. Murray Logan has built thousands of feet of seawall over 60 years of being in business. FMC has to warranty this installation and we would feel more comfortable doing that with Kurt's design than k-H design. I would bet a dollar that the designer at K-H hasn't ever seen a seawall built and just used a previous design they had in their archives and copied to this plan. Please, I am requesting we leave K-H out of this discussion or we will be delayed weeks before we could get them to answer.

Adding more bars to Kurt's design he would be due a Change Order for additional Materials. The bottom mat in K-H design serves no purpose; the cap is bearing on the pile and panel below. Using that material in the concrete on the side of the panels and piles makes a lot of sense....and with no price increase.

Let's get this job built and move on with no Change Orders. ...Thanks, HW



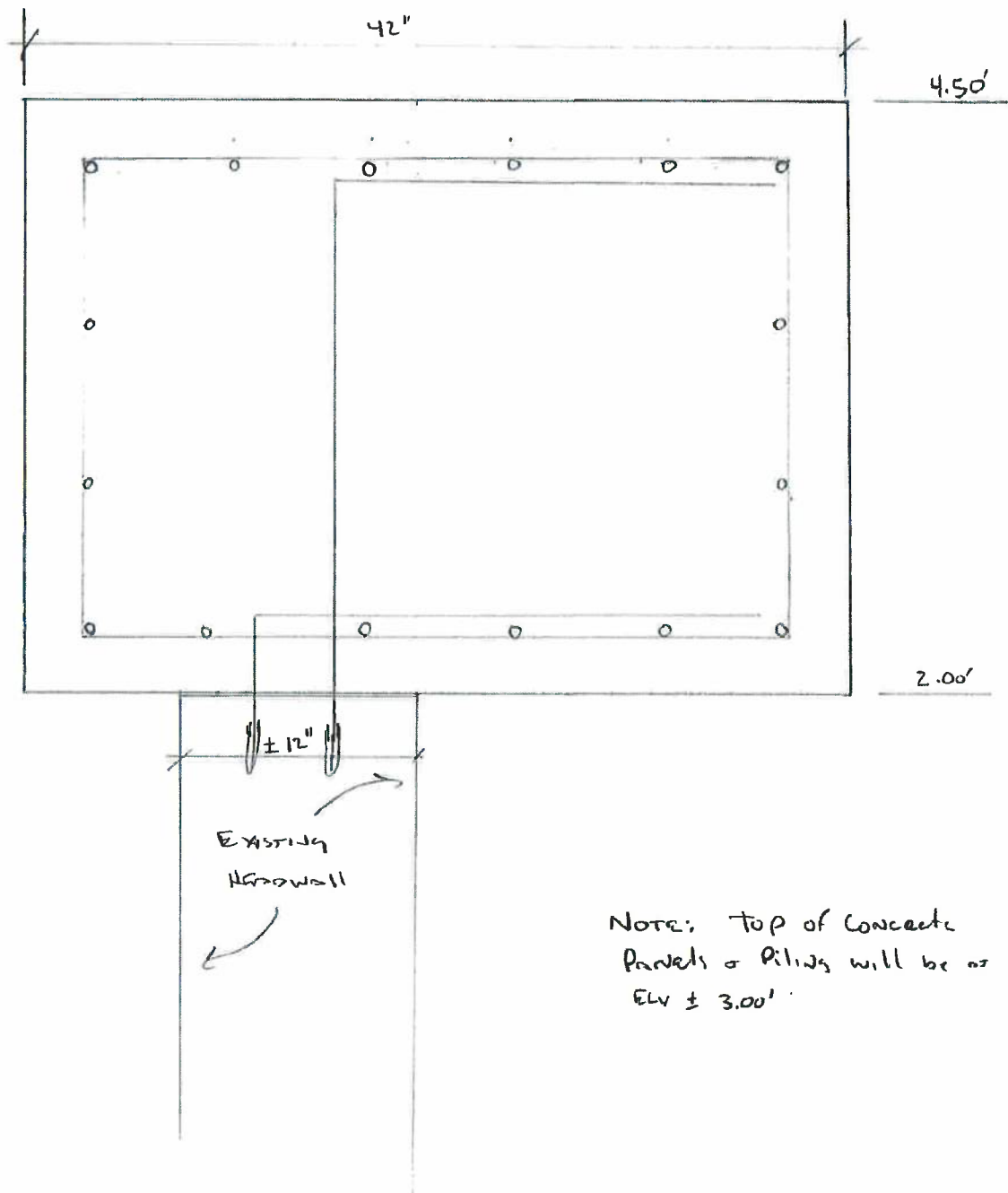
MURRAY LOGAN CONSTRUCTION, INC.
General Contractors

313 65th TRAIL NORTH • WEST PALM BEACH, FL 33413
PH: (561) 686-3948 • FAX: (561) 686-7465

DATE _____

PAGE _____ OF _____ PAGES

PROJECT 18TH AVE - PROPOSED CAP TO EXISTING HEADWALL





FOSTER MARINE CONTRACTORS, INC.

3180 FAIRLANE FARMS ROAD, SUITE 1

WELLINGTON, FLORIDA 33414

561-683-0034 PHONE

561-683-0335 FAX

August 30, 2021

Baxter & Woodman Consulting Engineers

477 S. Rosemary Ave., Suite 228

West Palm Beach, Florida 33401

(561) 425-7708

Attention: Richard M. Chipman, CGC

Construction Manager

RChipman@baxterwoodman.com

Re: City of Lake Worth

Wellesley and 18th Ave N Outfalls

"WDC #2 - 18th Ave Seawall Modification for allowing 54" Headwall to remain

Dear Mr. Chipman:

As discussed, please find below and attached our additional costs for work as follows per attached Worksheet. The net deduct for the Change is \$13,042.50 per the attached SOV.

We are also requesting a 30 calendar day extension to our Contract for this change.

Please review, approve and process Work Directive Change #2/ Change Order accordingly at your earliest convenience.

Should you have any questions, please contact me at 561-683-0034 or email howard@foster-marine.net.

Sincerely,

Howard Wight

Howard Wight

w/enclosure

CONTRACTOR NAME: Foster Marine Contractors, Inc.

PROJECT NAME & PROJECT NUMBER Lake Worth District 3 Outfall Project

TEM NO DESCRIPTION		Original Contract Award			
		Est Qty	Unit	Unit Price	Total
	GENERAL CONDITIONS				
GC-1	MOBILIZATION	1	LS	70,000.00	\$ 70,000.00
GC-2	SITE RESTORATION	1	LS	51,000.00	\$ 51,000.00
GC-3	BONDS AND INSURANCE	1	LS	30,000.00	\$ 30,000.00
GC-4	MAINTENANCE OF TRAFFIC	1	LS	5,000.00	\$ 5,000.00
GC-5	LAYOUT AND WEEKLY AS-BUILT SURVEYS	1	LS	15,000.00	\$ 15,000.00
GC-6	PERMIT FEE ALLOWANCE	1	Allow	5,000.00	\$ 5,000.00
GC-7	PROFESSIONAL VIDEO TAPING (PRE AND POST) AND WEEKLY PROGRESS PHOTOS	1	LS	2,000.00	\$ 2,000.00
GC-8	TRENCH SAFETY ACT COMPLIANCE	1	LS	2,000.00	\$ 2,000.00
GC-9	OPTIONAL SERVICES	1	LS	30,440.00	\$ 30,440.00
GC-9.1	54" RCP, incl. conn. To exist.	8	LF	\$1,470.00	\$ 11,760.00
GC-9.2	Clean, Televis & inspect existing 54" RCP	205	LF	\$ 160.00	\$ 32,800.00
	STORMWATER UTILITIES IMPROVEMENTS				
SW-1	Removal of Existing 24" RCP	20.00	LF	\$ 30.00	\$ 600.00
SW-2	Grout Fill existing 24" RCP	145.00	LF	\$ 50.00	\$ 7,250.00
SW-3	Install 24" Elliptical Round RCP	165.00	LF	\$ 110.00	\$ 18,150.00
SW-4	Reline Existing 54" RCP	205.00	LF	\$ 615.00	\$ 126,075.00
SW-5	Point Repairs	5.00	EA	\$ 2,000.00	\$ 10,000.00
SW-6	Suntree Baffle Box 4-12 (Wellesly Drive Outfall)	1.00	EA	\$ 110,000.00	\$ 110,000.00
SW-7	Suntree Baffle Box 10-20 (18th Ave North Outfall)	1.00	EA	\$ 210,000.00	\$ 210,000.00
SW-8	USF 4130-6155 Frame and Grate	1.00	EA	\$ 500.00	\$ 500.00
SW-9	US Precast 4x4 Type DI Catch Basin	1.00	EA	\$ 9,500.00	\$ 9,500.00
SW-10	Wapro Inline Check Valve (Model #WS590, 316SS)	1.00	EA	\$ 13,500.00	\$ 13,500.00
SW-11	Wapro Inline Check Valve (Model #WS1185, 316SS)	1.00	EA	\$ 57,000.00	\$ 57,000.00
SW-12	Asphalt Millings (4" Compacted Thickness)	285.00	SY	\$ 13.50	\$ 3,847.50
SW-13	Bollard Replacement	2.00	EA	\$ 3,500.00	\$ 7,000.00
	STRUCTURAL IMPROVEMENTS				
S-1	Sheet Piling	4140.00	SF	\$ 63.00	\$ 260,820.00
S-2	Concrete Cap	32.00	CY	\$ 1,600.00	\$ 51,200.00
S-3	Rcinforcing Steel for Cap	1.00	TN	\$ 2,500.00	\$ 2,500.00
S-4	Guiderail	175.00	LF	\$ 165.00	\$ 28,875.00
S-5	Removal of Existing Concrete Pavement	20.00	SY	\$ 25.00	\$ 500.00
S-6	Removal of Existing Concrete Structures	1.00	LS	\$ 19,000.00	\$ 19,000.00
S-7	Riprap-Rubble	100.00	TN	\$ 150.00	\$ 15,000.00
S-8	Protection of Existing Structures	1.00	LS	\$ 7,500.00	\$ 7,500.00
S-9	Turbidity Barrier	175.00	LF	\$ 17.00	\$ 2,975.00
S-10	Vibration Monitoring of Existing Structures	2.00	LS	\$ 3,500.00	\$ 7,000.00
	BID ALTERNATE				
A-1	Deductive Sheet Pile Walls	-1.00	LS	\$ 260,820.00	\$ (260,820.00)
A-2	Concrete Posts	30.00	EA	\$ 5,180.00	\$ 155,400.00
A-3	Concrete Panels	28.00	EA	\$ 3,670.00	\$ 102,760.00
				Original Contract Total	\$ 1,221,132.50
	WDC1				
SW-4	Reline Existing 54" RCP	-205.00	LF	\$ 615.00	\$ (126,075.00)
SW-6	Suntree Baffle Box 4-12 (Wellesly Drive Outfall)	-1.00	EA	\$ 110,000.00	\$ (110,000.00)
SW-7	Suntree Baffle Box 10-20 (18th Ave North Outfall)	-1.00	EA	\$ 210,000.00	\$ (210,000.00)
SW-12	Asphalt Millings (4" Compacted Thickness)	-285.00	SY	\$ 13.50	\$ (3,847.50)

S-1	Sheet Piling	-840.00	SF	\$	63.00	\$	(52,920.00)
S-2	Concrete Cap	-10.00	CY	\$	1,600.00	\$	(16,000.00)
TEM NO	DESCRIPTION	Est Qty	Unit		Unit Price		Total
S-4	Guidrail	-56.00	LF	\$	165.00	\$	(9,240.00)
S-7	Riprap-Rubble	15.00	TN	\$	150.00	\$	2,250.00
A-1	Deductive Sheet Pile Walls	840.00	SF	\$	63.00	\$	52,920.00
A-2	Concrete Posts	-9.00	EA	\$	5,180.00	\$	(46,620.00)
A-3	Concrete Panels	-9.00	EA	\$	3,670.00	\$	(33,030.00)
CO #1	Additional Material Costs per CO-1	1	LS	\$	15,000.00	\$	15,000.00
Current Contract Total less WDC 1						\$	683,570.00

WDC 2 - At 18th St N, Existing Headwall and 54" Outfall Pipe to remain; Cap to be increased vertically on top of Headwall in order for the Cap Finish Grade Elev (+4.50) to be flush with Proposed Cap on each side of Headwall							
GC-9.1	54" RCP, incl. conn. To exist.	-8	LF		\$1,470.00	\$	(11,760.00)
S-2	Concrete Cap (increase to raise cap vertically on seawall to elev 4.5)	13.25	CY	\$	1,600.00	\$	21,200.00
S-3	Reinforcing Steel for Cap	0.605	TN	\$	2,500.00	\$	1,512.50
S-6	Removal of Existing Concrete Structures (Headwall not removed)	-0.21	LS	\$	19,000.00	\$	(3,990.00)
A-2	Concrete Posts	-2.00	EA	\$	5,180.00	\$	(10,360.00)
A-3	Concrete Panels	-5.00	EA	\$	3,670.00	\$	(18,350.00)
--	Vinyl Sheet Pile return at end	1.00	LS	\$	2,071.00	\$	2,071.00
--	18" sq x 26' concrete pile (material only...supplier would not take back... will deliver to LW yard)	52.00	LF	\$	17.00	\$	884.00
--	Closure pours	2.00	2500.00	\$	2,875.00	\$	5,750.00
WDC 2 net Deduct						\$	(13,042.50)



City of
**Lake Worth
Beach**
FLORIDA™

WATER UTILITIES DEPARTMENT

301 College Street
Lake Worth, FL 33460

561.586.1710

WORK DIRECTIVE CHANGE

Date of Issuance: November 1, 2021

WDC Number: 3

P.O.: 182032

Project Number: NR 1903

Project Name: District 3 Outfall Project

Contractor: Foster Marine Contractors, Inc.

Contractor Phone: (561) 683-0034

Engineer: Baxter - Woodman, Inc.

Owner (Name, Address): City of Lake Worth Beach

You are directed to proceed promptly with the following Change(s):
Purpose of the work:

1. Furnish and install an adapter flange for WAPRO 54" valve connection to the seawall at the 18th Ave. N. Outfall for a total additional cost of \$19,783.90 and a time extension of 15 days. Additional costs to be paid from line item GC-9 "Optional Services".

Attachments: Contractor cost submittal.

If a claim is made that the above change(s) have affected Contract Price or Contract Time, any claim for a Change Order based thereon will involve one of the following methods of determining the effect of the change(s).

Method of Determining change in Contract Price:

X Time & Materials
 Unit Price as Negotiated
 Cost Plus fixed Fee

Method of Determining change in Contract Time:

X Contractor's Records
 Engineer's Records
 Other

Estimated Increase (decrease) in Contract Price: -0- Time:

If the change involves an increase, the estimated amount is not to be exceeded without further authorization.

Estimated Increase (decrease) in Contract Time: -15- Days. If the

change involves an increase, the estimated time is not to be exceeded without further authorization.

Reviewed and Recommended by:

[Signature]
Program Manager

November 1, 2021

Date

Accepted by:

[Signature]
Contractor

11/1/21
Date

Authorized by:

[Signature]
Water Utilities Asst. Director

11/1/21
Date

Authorized by:

[Signature]
Water Utilities Director

11/1/21
Date

CONTRACTOR and the OWNER agree that this WORK DIRECTIVE CHANGE represents the complete agreement of the parties with respect to these matters as of the date of this WORK DIRECTIVE CHANGE. By approving this WORK DIRECTIVE CHANGE, the CONTRACTOR releases any and all claims that it may have against the OWNER under the subject contract including, but not limited to claims for equitable adjustments, which occurred or accrued prior to the effective date of this WORK DIRECTIVE CHANGE except those claims made in writing to the OWNER prior to the effective date of this WORK DIRECTIVE CHANGE.

Change Order Request -Furnish / Install Adapter Flange for 54" Wapro Valve connection to Seawall @ 18th Ave North

Description	Wage / Equip. Rate [Incl. Fringes]		Hours	Hourly Total	Qty.	Total	Cost
Labor							
Regular Time							
Backhoe Operator	\$	57.00	4.00	\$ 228.00	1	\$ 228.00	\$ 228.00
Laborer - Bankman	\$	42.00	4.00	\$ 168.00	1	\$ 168.00	\$ 168.00
Truck Driver	\$	45.00	0.00	\$ -	0	\$ -	\$ -
Laborer - Pipelayer	\$	44.00	4.00	\$ 176.00	1	\$ 176.00	\$ 176.00
Loader Operator	\$	57.00	0.00	\$ -	0	\$ -	\$ -
Foreman	\$	57.00	4.00	\$ 228.00	1	\$ 228.00	\$ 228.00
Laborer - Miscellaneous	\$	42.00	4.00	\$ 168.00	1	\$ 168.00	\$ 168.00
Superintendent	\$	72.00	0.00	\$ -	0	\$ -	\$ -
Project Management	\$	105.00	0.00	\$ -	0	\$ -	\$ -
Totals						\$ 988.00	\$ 988.00
Equipment							
Komatsu PC 50 Excavator	\$	41.53	4.00	\$ 166.52	1	\$ 166.52	\$ 166.52
Caterpillar 305 Excavator	\$	41.53	0.00	\$ -	0	\$ -	\$ -
Kubota KX080-4 Excavator	\$	50.53	0.00	\$ -	0	\$ -	\$ -
Komatsu WA 200-5 Loader	\$	57.50	4.00	\$ 230.00	1	\$ 230.00	\$ 230.00
Dump Truck & Trailer (moving equipment)	\$	75.00	0.00	\$ -	0	\$ -	\$ -
Small Tools /day)	\$	100.00	1.00	\$ 100.00	1	\$ 100.00	\$ 100.00
Site Truck	\$	25.00	4.00	\$ 100.00	1	\$ 100.00	\$ 100.00
Totals						\$ 596.52	\$ 596.52
Materials							
Description	Price (Incl.tax)	Each / LS		Qty.	Total	Cost	
Furnish/Fabricate 54" Valve Adaptor Flange	\$ 15,412.78	1.00	\$ 15,412.78	1	\$ 15,412.78	\$ 15,412.78	
Misc Addl Mounting Hardware	\$ 200.00	1.00	\$ 200.00	1	\$ 200.00	\$ 200.00	
Totals						\$ 15,612.78	
Subcontractors	Price (Incl.tax-quotation attached)			Qty.			
	\$ -			1		\$ -	
				Totals		\$ -	
				Subtotal Labor / Equip. / Material		\$ 17,177.30	
				Subcontractors		\$ -	
				Total Amount		\$ 17,177.30	
				15% GC Markup		\$ 2,576.60	
				5% Sub Markup		\$ -	
				Total Change Order Request		\$ 19,753.90	
				Total Days Requested*		15	

* Time requested includes activities delayed (Rip-Rap, Handrail, Final Restoration) due to Flanged Adaptor Fabrication + installation