

CHANGE ORDER
CITY OF VALDEZ

TO: Pacific Pile & Marine, LP
700 S. Riverside Drive
Seattle, WA 98108

DATE ISSUED December 14, 2017
CHANGE ORDER NO. 06
COST CODE NO. 310-6450-58000
PROJECT NO. 310-6450
CONTRACT NO. 1283

PROJECT: Phase 2 New Harbor Development
Upland Facilities and Inner Harbor Facilities

Distribution to:

| | |
|-----------------|------------------------------|
| Owner - Clerk | <u> X </u> |
| Owner – Finance | <u> X </u> |
| Owner – Port | <u> X </u> |
| Engineer | <u> X </u> |
| Contractor | <u> X </u> |
| Other – Arcadis | <u> X </u> |

You are directed to make the changes in this CONTRACT as follows: Perform the following work to the Bilge Treatment Building as described in RFP 04 and the Contractor’s cost proposal (attached):

1. RFIs 11 and 12 – Revise isolation pads for Oiltrap equipment and surge tanks.
2. RFI 23 – Provide control valves on outlet ends of each surge tank.
3. ASI 02 – Provide hose bibb with vacuum breaker and sampling point/diverter valve at Oiltrap skid.
4. ASI-003 – Comply with State Fire Marshal Plan Review comments;
 - 4.1) Revise building classification from Class 1 Div. 1 to Class 1 Div. 2, including providing spark-resistant rather than explosion-proof equipment and materials as appropriate;
 - 4.2) Incorporate mechanical changes shown on modified drawing M5.1;
 - 4.3) Provide floor drain connections to sewer rather than to sump as shown on drawing M5.1;
 - 4.4) Install 11-pound portable fire extinguishers (2A10BC) where noted on drawing A14;
 - 4.5 Provide closed tanks for the bilge water treatment package;
5. Perform additional snow removal per allowance in PPM’s Estimated Cost Summary.

Justification: Item 1 is necessary to accommodate the current configuration of the Oiltrap skid and to provide better access around the surge tanks. Items 2 and 3 are improvements requested by City and Harbormaster staff. Item 4 includes extra work to resolve comments by the State Fire Marshal office and a credit for less cost to provide some equipment to comply with spark-resistant rather than the more expensive explosion-proof classification. Item 5 provides an allowance for the contractor to remove snow to provide access to the facility to install equipment after the scheduled date for the work.

Not valid until signed by the City Manager. Signature of Contractor indicates his agreement herewith, including any adjustment in **CONTRACT** sum or **CONTRACT** time.

| | |
|---|------------------|
| The original CONTRACT sum was | \$ 24,907,321.00 |
| Change by previously authorized Change Order(s) | \$ 11,291.09 |
| The CONTRACT sum prior to this Change Order was | \$ 24,918,612.09 |
| The CONTRACT sum will be <i>increased</i> by this Change Order | \$ 33,742.43 |
| New CONTRACT sum including this Change Order will be | \$ 24,952,354.52 |

The original completion date is October 1, 2019. **CONTRACT** time will be unchanged.



CONTRACTOR: PACIFIC PILE & MARINE, LP

By: [Signature]
Signature, General Partner

By: WIL MARK
Printed Name, General Partner

Date: 12/18/2017

AUTHORIZED BY: CITY OF VALDEZ

By: Sheri R. Pierce, ACM for:
Elke Doom, City Manager

Date: 12/27/17

RECOMMENDED

By: [Signature]
Nathan Duval, Capital Facilities Director

Date: 12/21/17



F & W Construction Company, Inc.

PROJECT: Phase 2 New Harbor

CONTRACT: Project #310-6450 / Contract #1283

F&W JOB#: 20298 COST CODE:



DATE: November 27, 2017

DESCRIPTION

| | | | |
|-----|-------|-----|---|
| RFI | 11&12 | RFP | 4 |
|-----|-------|-----|---|

Revisions per RFP 4. Note: Delivery of Oil Trap System, Waste Oil Tank and EWTS-1 is 8-12 weeks after "Approval." F&W will receive this equipment in Anchorage and deliver to the site when F&W remobs April 2018. F&W will be billing for material when received in Anchorage.

CONTRACTOR'S COSTS

| | | | |
|---|--------|-----------------------|-------------------------|
| SUBCONTRACTOR TOTAL (See Sheet 4 of 4) | | 10,508.82 | |
| SUBCONTRACTOR MARKUP @ 10 % | X 0.10 | <u>1,051.00</u> | |
| SUBCONTRACTOR TOTAL | | 11,559.82 | 11,559.82 |
| LABOR TOTAL (See Sheet 2 of 4) | | 4,103.82 | |
| MATERIALS / MISC TOTAL (See Sheet 3 of 4) | | 7,427.20 | |
| EQUIPMENT TOTAL (See Sheet 4 of 4) | | <u>325.00</u> | |
| SUBTOTAL | | 11,856.02 | |
| F & W FEE @ 20% | X 0.20 | <u>2,371.00</u> | |
| F & W TOTAL | | 14,227.02 | <u>14,227.02</u> |
| F & W / SUBCONTRACTOR TOTALS | | | 25,786.84 |
| BOND / INSURANCE @ 1% | X 0.01 | | 258.00 |
| | | TOTAL PROPOSAL | <u><u>26,044.84</u></u> |

F & W Construction Company, Inc.



PROJECT: Phase 2 New Harbor

CONTRACT: Project #310-6450 / Contract #1283

F&W JOB#: 20298

COST CODE:

Material Costs

| # | Description | QTY | *UOM | Unit Price | Cost |
|----|----------------------------------|------|------|------------|----------|
| 1 | Concrete | 10.5 | CY | 310.00 | 3,255.00 |
| 2 | Rebar | 686 | Lbs | 0.75 | 514.50 |
| 3 | Misc Material; Forms + Expansion | 1 | LS | 200.00 | 200.00 |
| 4 | | | | | |
| 5 | | | | | 0.00 |
| 6 | | | | | 0.00 |
| 7 | | | | | 0.00 |
| 8 | | | | | 0.00 |
| 9 | | | | | 0.00 |
| 10 | | | | | 0.00 |

Total Material Costs 3,969.50

Miscellaneous Costs

| # | Description | QTY | *UOM | Unit Price | Cost |
|----|--------------------|-----|------|------------|----------|
| 1 | Airfare | 1 | EA | 480.00 | 480.00 |
| 2 | Room & Board | 10 | CD | 117.77 | 1,177.70 |
| 3 | CAT Transportation | 1 | LS | 1,800.00 | 1,800.00 |
| 4 | | | | | 0.00 |
| 5 | | | | | 0.00 |
| 6 | | | | | 0.00 |
| 7 | | | | | 0.00 |
| 8 | | | | | 0.00 |
| 9 | | | | | 0.00 |
| 10 | | | | | 0.00 |

Total Miscellaneous Costs 3,457.70

Total Material + Miscellaneous Costs 7,427.20

*UOM is Unit of Measurement

F & W Construction Company, Inc.



PROJECT: Phase 2 New Harbor

CONTRACT: Project #310-6450 / Contract #1283

F&W JOB#: 20298

COST CODE:

Equipment Breakdown

| # | Description | Unit | Rate | Total |
|-----------------------|-------------------|------|-------|--------|
| 1 | Forklift & Bucket | 5.0 | 65.00 | 325.00 |
| 2 | | | | 0.00 |
| 3 | | | | 0.00 |
| 4 | | | | 0.00 |
| 5 | | | | 0.00 |
| 6 | | | | 0.00 |
| 7 | | | | 0.00 |
| 8 | | | | 0.00 |
| Total Equipment Costs | | | | 325.00 |

Subcontractor

| # | Subcontractor | Total |
|---------------------------|--------------------|-----------|
| 1 | ManTech Mechanical | 8,171.48 |
| 2 | Puffin Electric | 2,337.34 |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| Total Subcontractor Costs | | 10,508.82 |

**REQUEST FOR PROPOSAL
CONSTRUCTION CONTRACT CHANGES**

DATE: **September 8, 2017**

RFP #: **04**

PROJECT NAME: **PHASE 2 NEW HARBOR DEVELOPMENT
UPLAND FACILITIES AND INNER HARBOR FACILITIES**
PROJECT #: **310-6450**
CONTRACTOR: **PACIFIC PILE & MARINE, LP**

PROPOSAL REQUEST SOURCE (OWNER, CONTRACTOR, DCVR #, ETC.) **Owner**

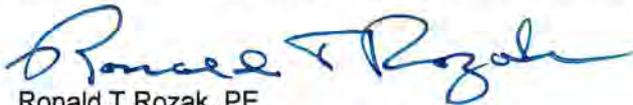
You are requested to submit an itemized quotation for any changes in the contract amount and/or time required by the provision of the proposed contract modifications listed below.

THIS IS NEITHER A CHANGE ORDER NOR A NOTICE TO PROCEED FOR THE WORK DESCRIBED HEREIN.

Schedule A – Upland Facilities **Schedule B – Inner Harbor Facilities**

Written Description of Proposed Work: Bilgewater Treatment Building (BWTB) changes listed below:

1. RFI-011 and RFI-012 Revise isolation pads for Oiltrap Equipment and Surge Tanks
2. RFI-023 Provide Control Valves on outlet ends of each Surge Tank
3. ASI-002 Provide hose bibb with vacuum breaker and sampling point/diverter valve at Oiltrap skid
4. ASI-003 Comply with State Fire Marshal Plan Review Comments
 - 4.1 Revise building classification from Class 1 Div. 1 to Class 1 Div. 2
 - 4.1.1 Provide spark-resistant equipment and materials as appropriate
 - 4.1.2 Provide credit for de-classification of explosion-proof for EWTS-1 system
 - 4.2 Incorporate mechanical changes shown on modified drawing M5.1
 - 4.3 Provide floor drain connections to sewer rather than to sump as shown on M5.1
 - 4.4 Provide 11-pound portable fire extinguishers (2A10BC) where noted on drawing A14
 - 4.5 Provide closed tanks for the bilge water treatment package

BY: 
Ronald T Rozak, PE
for ARCADIS, Owner's Representative

DATE: September 8, 2017

NOTE: This form shall not serve to authorize commencement of any work.

Change in contract price and time (CONTRACTOR's breakdown required, attach additional sheet(s) if necessary.)

I hereby certify that to the best of my knowledge and belief, the cost or pricing data provided in support of this Request for Proposal is accurate, complete and current as of this date.

Signed: _____ Contractor _____ Date _____

ATTACHMENTS: RFI-011, RFI-012, RFI-023, ASI-002, ASI-003

Distribution:

ORIGINAL TO: Pacific Pile & Marine, Contractor
COPIES TO: City of Valdez, Capital Facilities
R&M Consultants, Inc., Design Engineer
Arcadis, Owner's Representative

REQUEST FOR INFORMATION (RFI)

| | | | |
|-------------------|--|---------------|---|
| PROJECT | <u>COV NHD Phase 2 Upland & Inner Harbor Facilities</u> | REQUEST NO. | <u>RFI-011</u> 1/4 |
| CONTRACTOR | <u>Pacific Pile and Marine, LP</u> | CONTRACT NO. | <u>1283</u> |
| ORIGINATOR | <u>ManTech Mechanical/F&W Const.</u> | PROJECT NO. | <u>310-6450 (2)</u> |
| DATE SUBMITTED | <u>7/25/17</u> | | |
| SCHEDULE (A or B) | <u>A</u> | DRAWING NO. | <u>S4.2</u> |
| | | SPEC. SECTION | <u>N/A</u> |
| TO: | <u>City of Valdez 212 Chenega Ave. P.O. Box 307 Valdez, AK 99686</u> | SHEET | <u>48</u> OF <u>103</u> |
| | | ATTENTION: | <u>Kim Neilson (R&M Consultants)</u> |

DESCRIPTION OF REQUEST FOR INFORMATION

According to the specified and submitted equipment our concrete pad requirements are larger than indicated on S Drawings. The skid for the Oiltrap system is actually 5' longer than the pad, as called out on S4.2 drawing, additionally the Surge Tank pad layout will allow for the tanks to sit on the pad, but does not allow for adequate space to walk between the two tanks if needed. Presently, I calculate roughly the need for 31' 6" of isolated concrete pads across plan view E to W. That would leave us with a total of 6' 6" of additional space for walking around the pads. Split evenly that's about 26" of free space between the pads and that is not what is called out as needed on the S drawings and would conflict with space in front of the RO for doors.

Also, I am having some issues with fully understanding the intent of the Div. 46 Bilge water specifications as it relates to control mechanisms and design intent. If possible, I would like to set up a meeting between the designer, Oiltrap, control contractor, electrician and myself.

Brian Ulz (Mantech Mechanical)

CONTRACTOR Andrew Romine DATE 7/25/17
(Signature)

RESPONSE REQUESTED

RESPONSE TO REQUEST FOR INFORMATION

Minimum edge distance from equipment anchors to edge of thickened concrete pads shall be 12" or as required by the equipment manufacturer's approved anchoring plan (not yet submitted). Equipment anchor details have not been submitted at this time, so the attached drawing (Sheet S4.2 and S4.3) shows a thickened slab plan that can be used to meet current equipment geometry and 12" anchoring edge distance requirements. Attached drawing Sketch SK1 shows the current manufacturer coordinated bilge equipment layout plan.

Isolated slab height lowered per RFI-012.

Provide water service and waste drain connection from Oil Trap equipment per ASI-002.

Sampling ports for wastewater shall be provided before and after Oil Trap system and a 4" wastewater diversion valve/camlock fitting shall be provided by Oil Trap per telephone conversation with Dale Nelson on 8/7/17.

DIRECTION

- Requested Information/Clarification Provided.
- Submit a Change Order Proposal and all associated justification/documentation.
-

RESPONSE BY Kimberly Nielsen, PE DATE 8/4/17
(Signature)

| ROUTING | RECEIVED BY | DATE | DATE | COMMENTS |
|---------|-------------|------|------|----------|
|---------|-------------|------|------|----------|



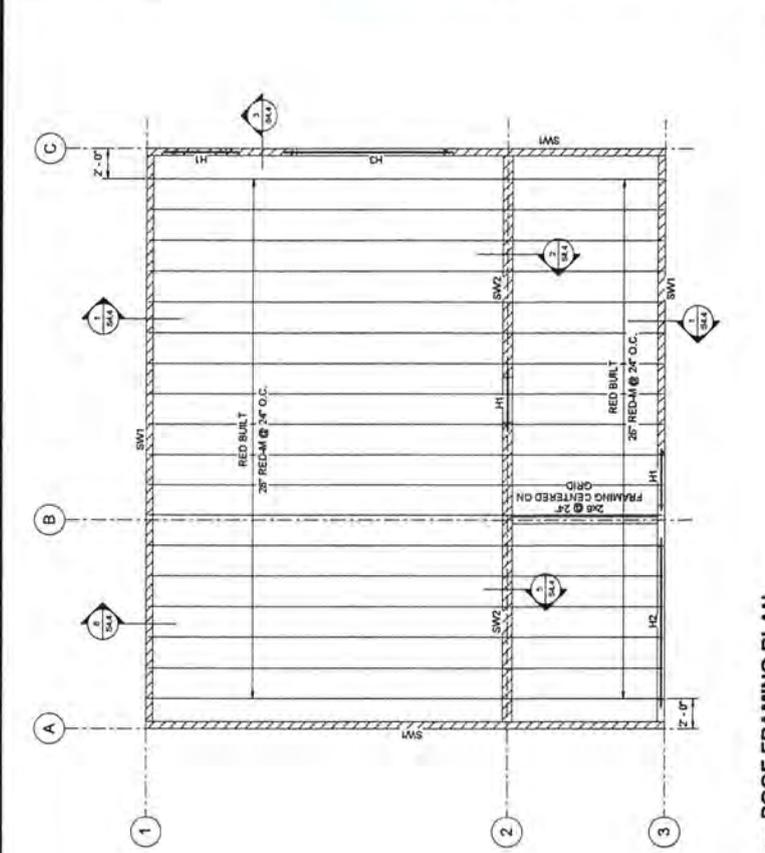
R&M CONSULTANTS, INC.
 9101 Vinograd Drive
 Anchorage, Alaska 99507
 info@rmandc.com email@rmandc.com
 phone: 907.522.1707 fax: 907.522.3403
 CORPORATE AUTHORIZATION NUMBER REC111

City of Valdez
 NEW HARBOR DEVELOPMENT
 UPLAND FACILITIES

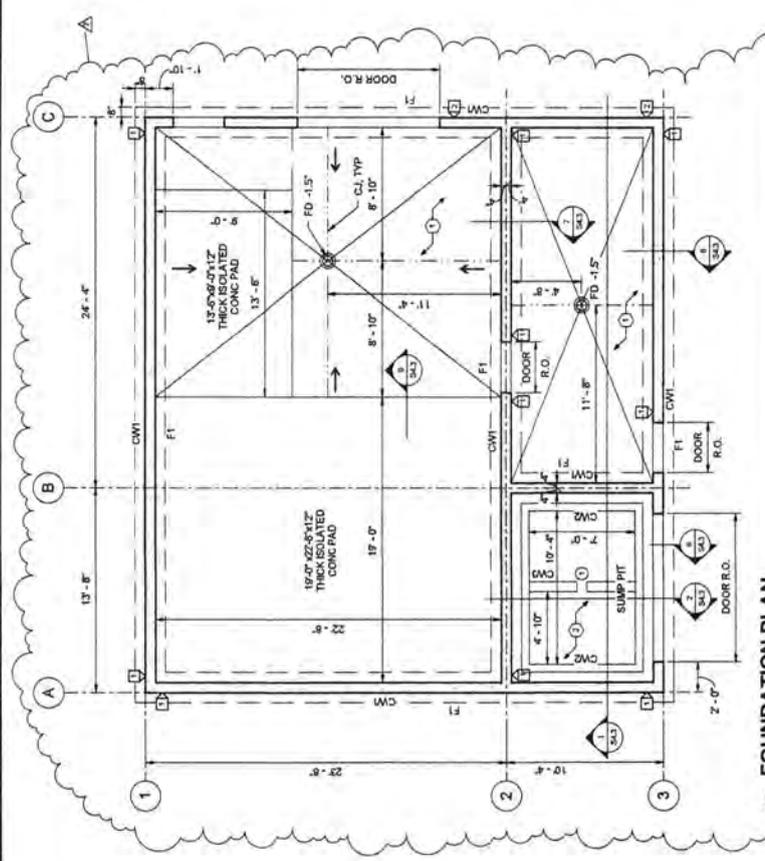


| | | |
|-----|-------------------|---------------|
| NO. | DESCRIPTION | DATE |
| 1 | ISSUED FOR PERMIT | JUNE 23, 2017 |

PROJECT: NEW HARBOR DEVELOPMENT UPLAND FACILITIES
 SHEET NO: 48 OF 103
S4.2



2 ROOF FRAMING PLAN
 1/4" = 1'-0"



1 FOUNDATION PLAN
 1/4" = 1'-0"

SCHEDULES

| HOLDDOWN SCHEDULE | | | |
|-------------------|-----------|----------------------|-------------------------------|
| MARK | MODEL NO. | MIN WOOD MEMBER SIZE | WOOD MEMBER FASTENERS |
| 1 | HOU2 | (3) 2x | (6) SDS 1/4" X 2 1/2" SCREWS |
| 2 | HOU6 | (3) 2x | (14) SDS 1/4" X 3 1/2" SCREWS |

| HEADER SCHEDULE | | | |
|-----------------|----------------------|----------------|--------------------------|
| MARK | HEADER SIZE | HEADER SUPPORT | MIN EMBEDMENT |
| H1 | 5 1/2" X 12" GLB | SINGLE 2x STUD | SEE ANCHOR BOLT SCHEDULE |
| H2 | 5 1/2" X 18 1/2" GLB | DOUBLE 2x STUD | SEE ANCHOR BOLT SCHEDULE |

| CONCRETE SLAB SCHEDULE | | | |
|------------------------|-----------|------------------------|-------------------|
| MARK | THICKNESS | REINFORCING | TOP OF SLAB ELEV. |
| 1 | 0'-6" | #4 @ 12" O.C. EACH WAY | -1'-8" |
| 2 | 0'-9" | #4 @ 12" O.C. EACH WAY | -1'-5" |

| STRIP FOOTING SCHEDULE | | | |
|------------------------|-------|-----------|-------------------|
| MARK | WIDTH | THICKNESS | REINFORCING |
| F1 | 2'-0" | 0'-10" | (2) #6 CONTINUOUS |

| CONCRETE WALL SCHEDULE | | | |
|------------------------|--------------------|----------------|---|
| MARK | WALL TYPE | WALL THICKNESS | REINFORCING |
| CW1 | CONC STEM WALL | 0'-8" | #4 @ 12" O.C. WITH (2) #4 @ TOP OF WALL |
| CW2 | CONC SUMP PIT WALL | 0'-5" | #4 @ 12" O.C. |
| CW3 | CONC SUMP PIT WALL | 0'-5" | #4 @ 12" O.C. |

PLAN LEGEND

- SWX SHEARWALL TYPE, SEE SHEATHING SCHEDULE
- SWW 8" WIDE GAP IN SUMP PIT CONCRETE WALL
- DOOR R.O. DOOR RIGHT OF FACE
- WINDOW R.O. WINDOW RIGHT OF FACE
- CL TYP. CENTERLINE TYPICAL
- FD -1.5' FINISH FLOOR ELEVATION

SHEET NOTES

HOLDDOWNS:

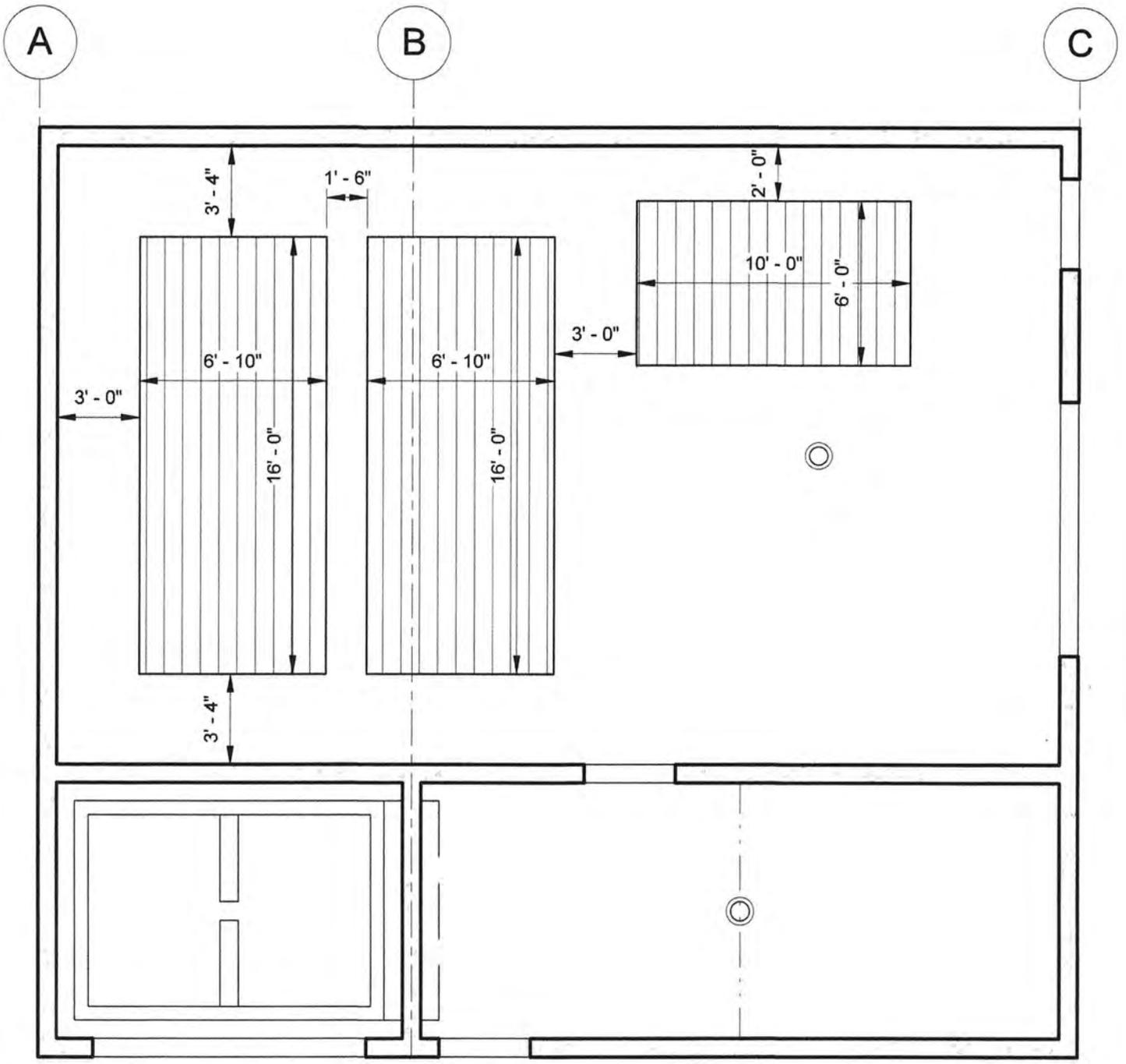
- HOLDDOWNS BY SIMPSON STRONG-TIE COMPANY OR APPROVED EQUAL
- SEE ANCHOR BOLT SCHEDULE FOR ANCHOR REQUIREMENTS
- FOR HOLDDOWNS NOT IDENTIFIED IN PLAN OR DETAILS, PROVIDE HOLD MINIMUM

SILL PLATES:

- USE 3X TREATED SILL PLATES, TYPICAL
- SILL PLATE ANCHORS - GALV. 50% DIA X 8" EMBED @ 4" MAX & WITHIN 12" OF PLATE END WITH 2 X 3 1/4" GALV WASHERS

RED BUILT ROOF TRUSSES:

- MANUFACTURER DESIGNED TRUSS CONNECTION TO DOUBLE TOP PLATE FOR ALLOWABLE UPLIFT FORCE OF 1000 LB



REQUEST FOR INFORMATION (RFI)

PROJECT COV NHD Phase 2
Upland & Inner Harbor Facilities REQUEST NO. RFI-012 4/1
 CONTRACTOR Pacific Pile and Marine, LP CONTRACT NO. 1283
 ORIGINATOR F&W Construction PROJECT NO. 310-6450 (2)
 DATE SUBMITTED 7/27/17
 SCHEDULE (A or B) A DRAWING NO. S4.2 SPEC. SECTION N/A
 TO: City of Valdez SHEET 48 OF 103
 212 Chenega Ave.
 P.O. Box 307
 Valdez, AK 99686 ATTENTION:

DESCRIPTION OF REQUEST FOR INFORMATION

Sheet S4.2 calls for the Elevation of the Isolation Equipment pads in the Bilge Building to be 6" higher than the Building Slab. Because all the Equipment is on Skids we would keep the Isolation Slabs at the same height as the Building Slab.

CONTRACTOR Andy Romine /PPM for F&W DATE 7/27/17
 (Signature)

RESPONSE REQUESTED

RESPONSE TO REQUEST FOR INFORMATION

Agreed. If all equipment is on skids, isolation pads remain isolated, and required thickness is maintained below building slab level, the height may be lowered to equal with building slab level. Coordinate size of isolation pad with planned equipment layout (currently being coordinated as part of RFI011) and anchoring plan (not yet submitted).

DIRECTION

- Requested Information/Clarification Provided.
- Submit a Change Order Proposal and all associated justification/documentation.
- _____

RESPONSE BY Kim Nielsen, PE DATE 7/28/17
 (Signature)

| ROUTING | RECEIVED BY (NAME/COMPANY) | DATE RECEIVED | DATE FORWARDED | COMMENTS |
|---------------|-------------------------------|------------------|-------------------|----------|
| PROJ ENGINEER | | | | |
| CONTRACTOR | | | | |

REQUEST FOR INFORMATION (RFI)

PROJECT COV NHD Phase 2
Upland & Inner Harbor Facilities REQUEST NO. RFI-023 1/1
 CONTRACTOR Pacific Pile and Marine, LP CONTRACT NO. 1283
 ORIGINATOR F&W Construction/Mantech Mech PROJECT NO. 310-6450 (2)
 DATE SUBMITTED 8/22/17

SCHEDULE (A or B) A DRAWING NO. _____ SPEC. SECTION 46250-
2.6A/2.8
C
 TO: City of Valdez SHEET _____ OF _____
 212 Chenega Ave.
 P.O. Box 307
 Valdez, AK 99686 ATTENTION: R&M Consultants

DESCRIPTION OF REQUEST FOR INFORMATION

Spec section 46 25 00 – 2.6A indicates for us to provide a control valve from dock pump to the surge tanks to divert flow on low fluid levels. 2.8C indicates for the transfer pump from the surge tanks to the bilge water treatment pump to “run continuously until the reservoir tank low level and/or treatment system waste tank high level alarm is detected.” Nowhere is it called out what to do to protect against sucking air into the pump if one of the tanks runs dry while the other is still full and a call for treatment is still active. It would be advisable to provide control valves on the outlet of each surge tank to the treatment to protect against this. Please advise.

CONTRACTOR F&W Construction Ron Stoops/Mantech DATE 8/22/2017
(Signature) RESPONSE REQUESTED

RESPONSE TO REQUEST FOR INFORMATION

We agree these control valves are desirable.

DIRECTION

Requested Information/Clarification Provided.
 Submit a Change Order Proposal and all associated justification/documentation.

RESPONSE BY Kimberly Nielsen, PE DATE 8/22/17
(Signature)

| ROUTING | RECEIVED BY (NAME/COMPANY) | DATE RECEIVED | DATE FORWARDED | COMMENTS |
|---------------|-------------------------------|---------------|----------------|----------|
| PROJ ENGINEER | | | | |
| CONTRACTOR | | | | |



Memorandum

To: Andy Romine (PPM), Ron Rozak (Arcadis), Laura Langdon (City of Valdez)

From: Kim Nielsen, P.E.

Subject: COV Bilge Water Treatment Building SFM Permit Revisions – ASI-003

Date: August 28, 2017

Project #: 1894.01

This memorandum summarizes revisions that resulted from the State Fire Marshall (SFM) review and related correspondence. Refer to the SFM Comments letter dated August 10, 2017 and R&M's Response to Comments letter and RSA's associated Response to Comments letter, both dated August 18, 2017 for additional background information.

The Classification of the building has been revised from Class 1 Div. 1 to Class 1 Div. 2. Provide spark resistant equipment and materials as required.

RSA Engineers has provided a modified drawing M5.1 "Bilge Treatment" that incorporates the mechanical changes.

Portable fire extinguishers (2A10BC) 11-pounds each, shall be provided at the locations shown in the attached sketch on Drawing A14.

Per discussions and information provided by Oil Trap, the bilge water treatment package will included closed tanks to comply with Class 1 Div. 2 (see photos below).





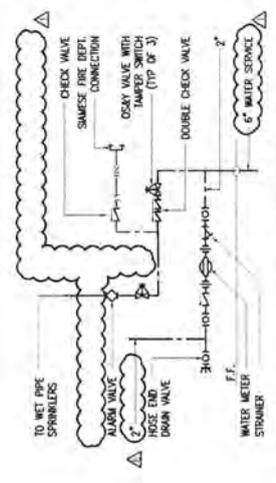
RISA Engineering, Inc.
 9101 Vanguard Drive
 Anchorage, Alaska 99507
 rmcensul.com • enrisk@riscnsl.com
 Phone: 907.522.1707 • Fax: 907.522.3403
 CORPORATE AUTHORIZATION NUMBER AEC111

City of Valdez
 NEW HARBOR DEVELOPMENT
 UPLAND FACILITIES

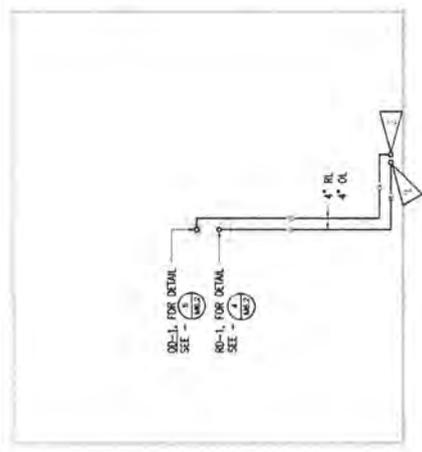
| | | |
|-----|------------|-------------------|
| NO. | DATE | DESCRIPTION |
| 1 | 06/22/2017 | ISSUED FOR PERMIT |
| 2 | 06/22/2017 | FOR CONSTRUCTION |
| 3 | 06/22/2017 | FOR CONSTRUCTION |

DATE PLOTTED: 6/22/2017 1:30 PM
 PLOTTED BY: Ralph DeStefano

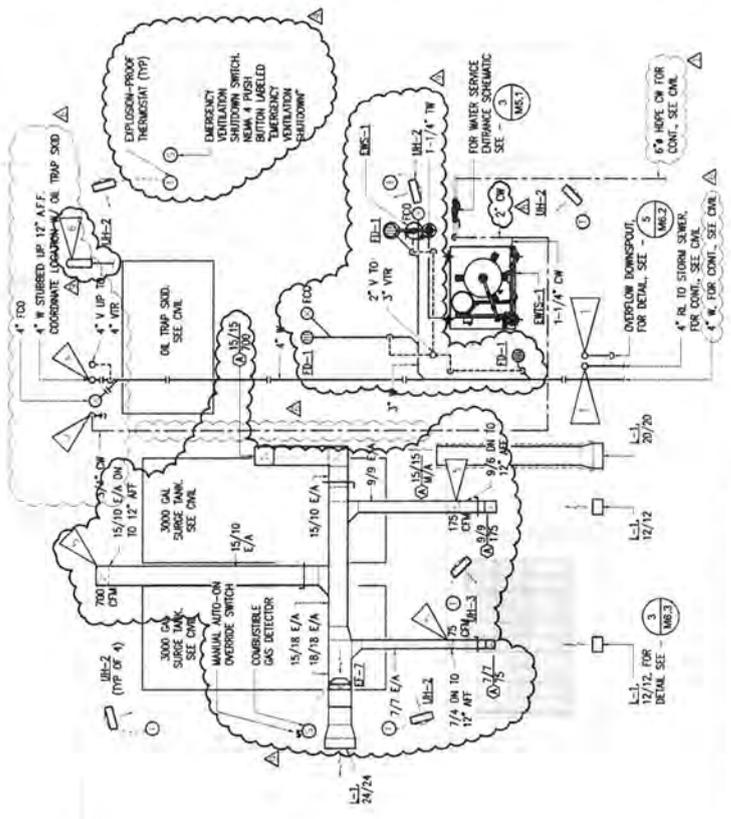
3/2
 ASI-03



3 BILGE TREATMENT BLDG WATER SERVICE ENTRANCE SCHEMATIC
 NO SCALE



2 BILGE TREATMENT BUILDING ROOF PIPING PLAN
 1/4" = 1'-0"



NOTE: BILGE HOUSE IS A CLASSIFIED SPACE. PROVIDE EXPLOSION PROOF/SPARK RESISTANT EQUIPMENT AND MATERIALS AS REQUIRED. REFER TO ELECTRICAL/ARCHITECTURAL FOR CLASSIFICATION

1 BILGE TREATMENT BUILDING PLUMBING, HEATING, & VENTILATION PLAN
 1/4" = 1'-0"

SHEET NOTES:

- 1 FOR CONTRIBUTION, SEE - M5.1
- 2 FOR CONTRIBUTION, SEE - M5.2
- 3 PROVIDE 1/4" HOSE BEEB 18" AFF. PROVIDE ANTI-SIPHON, SPILL RESISTANT WAGON BRACKET AT PIPE DROP.
- 4 PROVIDE 2" CAPPED SAMPLING/DRAWER POINT ON HORIZONTAL WASTE DISCHARGE FROM OIL TRAP. PROVIDE CAPPED BALL VALVE. COORDINATE W/ OIL TRAP.
- 5 PROVIDE THROUGH WALL VENT FOR OIL TRAP TANKS. PROVIDE A 4" THROUGH WALL VENT FOR OIL TRAP TANKS. PROVIDE A 4" THROUGH WALL VENT WITH TURNED DOWN ELBOW AND 1/2" SCREEN. PROVIDE 1/2" SCREEN ON E/A OPENING. PROVIDE BLANKING DAMPER.

RISA Engineering, Inc.
 9101 VANGUARD DRIVE
 ANCHORAGE, ALASKA 99507
 PHONE: 907.522.1707
 FAX: 907.522.3403
 WWW.RISAENGINEERING.COM

86 OF 103
M5.1



Mantech
Mechanical, Inc.

Home Office Location
7401 Arctic Boulevard
Anchorage, AK 99518

Change Order Request Narrative #2

CO per RFP-004

**Valdez Harbor Developments Upland
Facilities**
Valdez, Alaska

F&W Construction

Attn: Ron Stoops

Narrative:

Attached are the costs associated with the changes directed by RFP-004. Credits and additive alternates created for the declassification of bilge water building.

The total cost of this change order: ~~\$9,246.48~~ \$8,171.48

Revised by F&W to
eliminate duplicate
shower 11/02/17

| Mantech CO #2 per RFP-004 Bilge Changes | COST EACH UNIT | UNIT LABOR HRS | QTY | MATERIAL OR UNIT COSTS | LABOR HRS |
|---|---------------------|----------------|-----|------------------------|-------------------|
| Add waterline to OILTRAP | \$128.69 | 17.86 | 1 | \$128.69 | 17.86 |
| Add Awsteline to OILTRAP | \$483.93 | 11.45 | 1 | \$483.93 | 11.45 |
| CREDIT for Explosion Proof EWTS-1 | -\$30,911.63 | 0.00 | 1 | -\$30,911.63 | 0.00 |
| COST for NON-explosion proof EWTS-1 | \$22,018.00 | 0.00 | 1 | \$22,018.00 | 0.00 |
| | \$0.00 | 0.00 | 0 | \$0.00 | 0.00 |
| | \$0.00 | 0.00 | 0 | \$0.00 | 0.00 |
| | \$0.00 | 0.00 | 0 | \$0.00 | 0.00 |
| FREIGHT | \$0.00 | 0.00 | 0 | \$0.00 | 0.00 |
| ADDITIONAL MANDAYS | \$125.00 | 0.00 | 0 | \$0.00 | 0.00 |
| Administrative labor | \$0.00 | 1.00 | 2 | \$0.00 | 2.00 |
| | \$0.00 | 0.00 | 0 | \$0.00 | 0.00 |
| | \$0.00 | 0.00 | 0 | \$0.00 | 0.00 |
| UNIT AND MATERIAL SUM WITHOUT MARKUP | | | | -\$8,281.01 | |
| MATERIAL SUM X 1.20% | | | | -\$9,937.21 | |
| LABOR HOURS TOTAL | | | | | 31.31 |
| LABOR COSTS @ \$ 130.00 FLAT RATE | | | | | \$4,070.30 |
| SUBCONTRACTOR 1 - Quality Controls | \$8,861.20 | | | | |
| SUBCONTRACTOR 2- HH Sheet Metal | \$4,200.00 | | | | |
| SUBCONTRACTOR 3 - Slayden Insulation | \$678.25 | | | | |
| SUBCONTRACTOR TOTAL COSTS | \$13,739.45 | | | | |
| SUBCONTRACTOR COST X 1.10% | \$15,113.40 | | | | |
| TOTAL LABOR | \$4,070.30 | | | | |
| TOTAL MATERIAL @ 1.20% | -\$9,937.21 | | | | |
| TOTAL COST OF PROPOSED CHANGE ORDER | \$9,246.48 | | | | |

| CPVC 3-15-10 | UNIT COST | UNIT LABOR | QTY | MAT | LABOR |
|-----------------------------|------------------|-------------------|------------|---------------|--------------|
| 1/2" CPVC PIPE | 0.35 | 0.06 | | 0.00 | 0.00 |
| 3/4 CPVC | 0.58 | 0.06 | 60 | 34.80 | 3.60 |
| 3/4"COP. LOOP HANGER | 1.13 | 0.75 | 15 | 16.95 | 11.25 |
| 3/4" CPVC 90 | 1.18 | 0.19 | 5 | 5.90 | 0.95 |
| 3/4 CPVC BALL VALVE | 8.70 | 0.44 | 1 | 8.70 | 0.44 |
| 3/4" Hose bibb | 62.34 | 1.62 | 1 | 62.34 | 1.62 |
| | | | | | |
| | | | | 0.00 | 0.00 |
| | | | | | |
| | | | | 128.69 | 17.86 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| ABS UPDATED 10-13 | UNIT COST | UNIT LABOR | QTY | MATERIAL | LABOR |
|--------------------------|----------------------|-----------------------|------------|-----------------|--------------|
| 4" 1/8 BEND | 9.10 | 0.43 | 1 | 9.10 | 0.43 |
| 4" WYE | 19.90 | 0.78 | 1 | 19.90 | 0.78 |
| 4" FCO | 227.00 | 0.68 | 1 | 227.00 | 0.68 |
| 4" HANGERS | 0.91 | 0.85 | 3 | 2.73 | 2.55 |
| 4" LS 1/4 BEND | 12.80 | 0.49 | 6 | 76.80 | 2.94 |
| 4" ABS PIPE | 3.15 | 0.09 | 50 | 157.50 | 4.50 |
| | | | | | |
| | | | | 483.93 | 11.45 |

PACIFIC PLUMBING SUPPLY CO.
7115 W Marginal Way SW
Seattle Wa 98106

Quotation# 01384073
Location# 101
Branch ANCHORAGE -
Date 04/13/17
Page 15 OF 16

** Quotation **

109328
ANCHORAGE COMM'L QUOTE ACCOUNT

Ship To:
ANCHORAGE COMM'L QUOTE ACCOUNT

Qte Date:04/13/17 CustP/O:valdez new harbor
Exp Date:04/23/17 Contact:
W/B:MICHAEL SLAUGHTER
Cust Job#

Terms:NET 10TH OF THE MONTH
Reps :PAC /
Ship-Via:

=====
Product/Description Quantity Price U/M Extension

* Subtotal 0.00

EWTS-1

*HAWS 1 30911.6250 EA 30,911.63
HAWS 8780-.21.321.STD TEMPERIN
SKID
SUBTOTAL EWTS-1 30,911.63

* Subtotal 0.00

SPEC 133423 2.6B TOILET

*ACOR 1 906.8235 EA 906.82
ACORN 1675-T-1-ADA-FV-SW
TOILET
SUBTOTAL SPEC 133423 2.6B 906.82
TOILET 0.00

* Subtotal 0.00

SPEC 133423 2.6C URINAL

H and H Sheet Metal, Inc.
2110 S. Glenn Hwy #3
Palmer, Alaska 99645
PH: 907-745-4233
FX: 907-745-4234

9/19/2017

jason@handsheetmetal.com

RE: Valdez Harbor ASI #0003

Scope: All labor, material and equipment necessary to furnish and install the HVAC portion complete in accordance with the plans and specs.

Quote: \$4,200.00

Inclusions: Duct work and associated accessories, Balancing dampers and screens.

Exclusions: Paint, Patch, Structural, hoist, crane, man lift, scaffold, shop drawings, seismic engineering and apparatus, test and balance and controls.

Note: If a task or item is not specifically listed in the "Inclusion" paragraph above, then it is to be considered excluded.

Meals & Lodging: 3 man days

Estimator,

Jason P. Magers

QUALITY CONTROLS
CO#1

| RFP:04 Add 2-position electric valves to the discharge pipes of the surge tanks, add Auto/On switch & emergency Off pushbutton for EF-7 | COST EACH UNIT | UNIT LABOR HOURS | QTY | MATERIALS OR UNIT COST | LABOR HRS |
|--|-----------------------|-------------------------|------------|-------------------------------|------------------|
| FP2PENXB7A-2XS (1 1/2" PVC Valve with XP Actuator and end switch) | \$1,766.00 | 5.00 | 2 | \$3,532.00 | 10.00 |
| Electrical Materials (Conduit, cable, fittings, relays, etc.) | \$350.00 | 0.00 | 1 | \$350.00 | 0.00 |
| HL600, AOW401 (On/Auto Switch, Emergency Stop Pushbutton) | \$615.00 | 8.00 | 1 | \$615.00 | 8.00 |
| | \$0.00 | 0.00 | 0 | \$0.00 | 0.00 |
| | \$0.00 | 0.00 | 0 | \$0.00 | 0.00 |
| | \$0.00 | 0.00 | 0 | \$0.00 | 0.00 |
| | \$0.00 | 0.00 | 0 | \$0.00 | 0.00 |
| FREIGHT | \$254.00 | 0.00 | 1 | \$254.00 | 0.00 |
| ADDITIONAL MANDAYS | \$125.00 | 0.00 | 2 | \$250.00 | 0.00 |
| ADMINISTRATIVE LABOR | \$0.00 | 4.00 | 1 | \$0.00 | 4.00 |
| | \$0.00 | 0.00 | 0 | \$0.00 | 0.00 |
| | \$0.00 | 0.00 | 0 | \$0.00 | 0.00 |
| UNIT AND MATERIAL SUM WITHOUT MARKUP | | | | \$5,001.00 | |
| | | | | | |
| MATERIAL SUM X 1.20 | | | | \$6,001.20 | |
| | | | | | |
| LABOR HOURS TOTAL | | | | | 22.00 |
| | | | | | |
| LABOR COSTS @ \$130.00 FLAT RATE | \$130.00 | | | | \$2,860.00 |
| | | | | | |
| SUBCONTRACTOR 1 - | \$0.00 | | | | |
| | | | | | |
| SUBCONTRACTOR 2 - | \$0.00 | | | | |
| | | | | | |
| SUBCONTRACTOR 3 - | \$0.00 | | | | |
| | | | | | |
| SUBCONTRACTOR TOTAL COSTS | \$0.00 | | | | |
| | | | | | |
| SUBCONTRACTOR COST X 1.10 | \$0.00 | | | | |
| TOTAL LABOR | \$2,860.00 | | | | |
| TOTAL MATERIAL @ 1.20% | \$6,001.20 | | | | |
| TOTAL COST OF PROPOSED CHANGE ORDER | \$8,861.20 | | | | |

PUFFIN ELECTRIC, INC



www.puffinelectric.com

3808 Ben Walters Lane
Homer, Alaska 99603
(907) 269-4330
Fax (907) 269-4331

RFP-4 RESPONSE

Project: City of Valdez New Harbor Development Uplands Facilities

Date: 9-28-17

Owner: City of Valdez

General Contractor: Pacific Pile & Marine

Sub-General Contractor: F&W Construction

Electrical Contractor: Puffin Electric, Inc.

This is our analysis of the changes to our costs for reclassifying the Bilge Water Building from Class 1, Div 1 to Class 1 Div 2:

Our work in the classified space of the building consists of furnishing and installing the light fixtures and electrically connecting the various pieces of equipment furnished by others.

Lighting fixtures:

The light fixtures we have submitted and have been approved are listed for both Class 1 Div 1 and Class 1 Div 2. These fixtures are a newer and higher performance model than the specified units, they are also less expensive. We incorporated those savings when we bid the project. Due to these less expensive fixtures, we have found no Class 1 Div 2 fixtures which are less expensive, so no savings on light fixtures results from reclassification.

Wiring methods, switches and disconnects:

Div 2 wiring methods still require conduit seal-offs in conduits at the boundaries of classified space. Also required are Div 1 materials and methods for switching devices including explosion proof boxes and protective seal-offs. For some connections, a less expensive flexible cable may be used, but that will they require additional seal-offs which adds labor in place of material savings. We do not see any quantifiable savings that will be a result of using alternate wiring methods.

Late installation of mechanical equipment:

Electrical connection of mechanical equipment which is now scheduled for delivery in December will be later than our crew and housing will be available in Valdez. Our impact cost will be the cost to remobilize to Valdez and housing expense. Detail appended.

Bill Smith
Project Manager.
Puffin Electric, Inc.



Serving over 100 Alaska communities.

SEARCH **FLIGHTS** PASSENGERS PAYMENT CONFIRMATION

Login to your Profile

Departing

From Anchorage (ANC) To Valdez (VDC)
Corvus Airlines operates as Ravn Alaska - Hagerland Aviation operates as Ravn Connect

| | | | | | | | | |
|---|------------|------------|------------|-------------------|------------|------------|------------|---|
| ▼ | Fri Jan 05 | Sat Jan 06 | Sun Jan 07 | Mon Jan 08 | Tue Jan 09 | Wed Jan 10 | Thu Jan 11 | ▶ |
| | \$ 160.00 | \$ 160.00 | \$ 160.00 | \$ 160.00 | \$ 160.00 | \$ 160.00 | \$ 160.00 | |

Sort by: 1 Stop Non-stop flights

| Flight | Operated by | Depart | Arrive | Duration | Non Refundable | Refundable |
|--------|--------------------------------|-----------------------------|--------------------------|-----------|----------------|------------|
| 800 | CORVUS AIRLINES AS RAVN ALASKA | Anchorage (ANC) 08:35 AM | Valdez (VDC) 09:10 AM | 0hr 45min | \$ 160.00 | \$ 200.00 |
| 806 | CORVUS AIRLINES AS RAVN ALASKA | Anchorage (ANC) 05:05 PM | Valdez (VDC) 05:50 PM | 0hr 45min | \$ 160.00 | \$ 200.00 |

Returning

From Valdez (VDC) To Anchorage (ANC)
Corvus Airlines operates as Ravn Alaska - Hagerland Aviation operates as Ravn Connect

| | | | | | | | | |
|---|------------|------------|------------|-------------------|------------|------------|------------|---|
| ▼ | Fri Jan 12 | Sat Jan 13 | Sun Jan 14 | Mon Jan 15 | Tue Jan 16 | Wed Jan 17 | Thu Jan 18 | ▶ |
| | \$ 160.00 | \$ 160.00 | \$ 160.00 | \$ 160.00 | \$ 160.00 | \$ 160.00 | \$ 160.00 | |

Sort by: 1 Stop Non-stop flights

| Flight | Operated by | Depart | Arrive | Duration | Non Refundable | Refundable |
|--------|--------------------------------|--------------------------|-----------------------------|-----------|----------------|------------|
| 801 | CORVUS AIRLINES AS RAVN ALASKA | Valdez (VDC) 09:35 AM | Anchorage (ANC) 10:15 AM | 0hr 40min | \$ 160.00 | \$ 200.00 |
| 807 | CORVUS AIRLINES AS RAVN ALASKA | Valdez (VDC) 06:10 PM | Anchorage (ANC) 06:55 PM | 0hr 45min | \$ 160.00 | \$ 200.00 |

CONTINUE

Trip Summary

Total: \$ 480.00

Departing

Refundable
Flight: 7H400
Depart: Anchorage (ANC)
departure: 08:35am Mon 01/08
fare base: 17H
Arrive: Valdez (VDC)
arrival: 09:10am Mon 01/08

Arriving

Refundable
Flight: 7H407
Depart: Valdez (VDC)
departure: 06:10pm Mon 01/15
fare base: 17H
Arrive: Anchorage (ANC)
arrival: 06:55pm Mon 01/15

Passengers: 1

Price Summary:
Fare: ~~515.00~~ \$ 446.52
Taxes: ~~15.00~~ \$ 33.48
Discount
Fees

TOTAL: \$ 480.00

[View Fare Rules](#)

| 9/15/2017 | | | | | | | | | | |
|-----------------------------|------|----------|----|-----------|-------------|-------------|-------------|------|-------------|-------|
| Valdez Bidge Building | | | | | | | | | | |
| WORKING COPY 40 HR | | | | | | | | | | |
| | | | | | | | | | | |
| DESCRIPTION | QUAN | UNIT | MH | RATE | LABOR | MATERIAL | SUB | MISC | TOTAL | NOTES |
| GEN CONDITIONS | | | | | | | | | | |
| SUPER | | | 6 | \$ 95.00 | \$ 570.00 | \$ - | | | \$ 570.00 | |
| P.M. | | | 2 | \$ 100.00 | \$ 200.00 | \$ - | | | \$ 200.00 | |
| EQUIPMENT | | | | \$ 85.00 | \$ - | \$ - | \$ 1,200.00 | | \$ 1,200.00 | |
| NEW | | | | | | | | | | |
| Enlarge House Isolated Pads | | | | | | | | | | |
| 5 Yards Concrete | 5 | \$320.00 | 16 | \$ 85.00 | \$ 1,360.00 | \$ 1,600.00 | | | \$ 2,960.00 | |
| Additional Rebar | 1 | \$335.08 | 8 | \$ 85.00 | \$ 680.00 | \$ 335.08 | | | \$ 1,015.08 | |
| | | | | | \$ 2,810.00 | \$ 1,935.08 | \$ 1,200.00 | \$ - | \$ 5,945.08 | |

Co./Dept. _____
 Fax No. _____
 From: _____
 Comments _____

PHONE: (967) 835-1756

20298

STORE HOURS: 8-5 MON-SAT
 NETL. FAB SHOP HOURS: 7-5 (WED. - FRI.)

20298

| CUSTOMER NO. | JOB NO. | PURCHASE ORDER NO. | REFERENCE | TERMS | CLERK | DATE | TIME |
|--------------|---------|--------------------|-----------------|----------|-------|---------|------|
| 03566 | | PH2 WARDOR | PO # PH2 405002 | NET 1078 | DD | 8/28/17 | 2:49 |

F & H CONSTRUCTION COMPANY
 3221 DEE CIRCLE

ANCHORAGE AK 99556

S
H
I
P
T
O

DUE DATE: 9/15/17

AREA 13-029

BLANK: 03 DALTON WREN
 TAX: 001

 F INVOICE *****

| QUANTITY | | UM | SKU | DESCRIPTION | UNITS | PRICE/PER | EXTENSION |
|----------|---------|----|--------|------------------------|-------|------------|-----------|
| SHIPPED | ORDERED | | | | | | |
| 20 | | EA | 4NLRBR | 4N REBAR 1/2" DIAMETER | EA | 16.70 / EA | 334.00 EA |

Valdez #20298
 cc 3200



** INVOICE CHARGED TO STORE ACCOUNT **

| | |
|--------------|--------|
| TAXABLE | 0.00 |
| NON-TAXABLE | 335.00 |
| SUBTOTAL | 335.00 |
| TAX AMOUNT | 0.00 |
| TOTAL AMOUNT | 335.00 |

[Signature]
 Store Internal Copy