

**RESOLUTION AUTHORIZING CONTRACT MODIFICATION #02
FOR THE PURAC PHASE III PROJECT**

MOTIONED BY: Velazquez

SECONDED BY: Friedrich

WHEREAS, the North Hudson Sewerage Authority (hereinafter "Authority") is a public body, duly formed under the Sewerage Authorities law, constituting Chapter 138 of the Laws of New Jersey of 1946, as amended (Chapter 14A of Title 40 of the New Jersey Statutes Annotated) and possesses the powers set forth therein; and

WHEREAS, pursuant to the approval granted by virtue of R.18-061, the Authority has contracted with Rapid Pump & Meter Service Co., Paterson, N.J. in the amount of \$11,862,950.00 for the Purac Phase III Project; and

WHEREAS, one previous contract modification was approved in the amount of \$31,191.05, increasing the total contract price to \$11,894,414.05; and

WHEREAS, this contract modification has been requested in order to efficiently advance the project as described in the report identified as "Exhibit A", with the additional work being documented as required by JACOBS, the project engineer; and

WHEREAS, the Facilities Review Board has reviewed the proposal and recommends the approval of the requested contract modification.

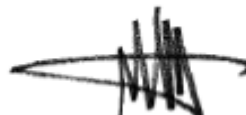
NOW, THEREFORE, BE IT RESOLVED that the Authority hereby authorizes the execution and implementation of said contract modification # 02 with no increase in contract..

DATED: DECEMBER 17, 2020

RECORD OF COMMISSIONERS' VOTE

	YES	NO	ABSENT
Commissioner Soares			x
Commissioner Kappock	x		
Commissioner Marotta	x		
Commissioner Gardiner	x		
Commissioner Friedrich	x		
Commissioner Sanchez	x		
Commissioner Velazquez	x		
Commissioner Roque	x		
Commissioner White	x		

THIS IS TO CERTIFY THAT THIS RESOLUTION WAS DULY ADOPTED BY THE NORTH HUDSON BOARD OF COMMISSIONERS ON DECEMBER 17, 2020.



SECRETARY

November 19, 2020

William P. Machotka, P.E.
Section Chief
State of New Jersey Department of Environmental Protection
Municipal Finance and Construction Element
P.O. Box 425
Trenton, NJ 08625-0425

Subject: North Hudson Sewerage Authority
Project No. S340635-30
PURAC System Improvements Phase 3 – Physical System Improvements
Contract Modification No. P-02

Dear Mr. Machotka:

We have found it necessary to issue the following Contract Modification to the PURAC System Improvements Phase 3 – Physical System Improvements Project:

No. P-02:

- Lockable Switch Covers
- Addition of Silencers
- Skimmer Flight Modifications in Cells 3 and 4
- Filter Cell Level Transmitters
- Cells 3 and 4 New High-Side Impulse Lines
- Cell 5 Work Platform Modifications
- Replacement of Air Compressor Circuit Breakers
- Skimmer Flight Modifications in Cells 9 and 10
- **(Credit)** Elimination of Performance Test Lab Fees for all 10 cells
- **(Credit)** Elimination of 24-inch Waste Gate Manual Operator
- **(Credit)** Elimination of Blower Motor Thermostats
- **(Credit)** Elimination of Handrail
- **(Credit)** Unit Price Item U1 ALLOWANCE

Total Amount of the Modification No. P-02: \$0

Attached are two (2) copies of the completed NJDEP “Contract Modification Proposal and Acceptance Form”, for the above-mentioned Contract Modification. The copies have been signed by the North Hudson Sewerage Authority (the Owner), Rapid Pump and Meter Service Co., Inc. (the Contractor) and signed and sealed by Jacobs (the Engineer). We would appreciate your review and approval of this modification.

Should you have any questions or require additional information, please call me at
862.242.7067

Sincerely,

CH2M HILL

A handwritten signature in black ink that reads "Shivani Patel". The signature is written in a cursive style with a large initial 'S'.

Shivani Patel, P.E.
Project Manager

Cc: Fredric J. Pocci, P.E., NHSA
Ernest Renda, Rencor
Steven Marsich, PE, Rapid Pump
Steve Kulcsar, PE, Rapid Pump
Dejan Davidovic, Jacobs
Michael Curley, NJDEP
NJO File

CONTRACT MODIFICATION PROPOSAL AND ACCEPTANCE

1. ISSUING OFFICE North Hudson Sewerage Authority	2. PROJECT NO. S340635-30	3. CONTRACT NO. PURAC System Upgrades Phase 3-Services During Construction	4. MODIFICATION NO. Mod # P-02
5. TO (CONTRACTOR) Rapid Pump & Meter Service Co. Inc 285 Straight Street PO Box AY Paterson, NJ 07509		6. PROJECT LOCATION AND DESCRIPTION Adams Street WWTP Hoboken, New Jersey	
7. A proposal is required for making the hereinafter described change in accordance with specification and drawing revisions cited herein or listed in attachment hereto. Submit your proposal in space indicated on page 2, attach detailed breakdown of prime and sub-contract costs (See the clause of this contract entitled, "Changes". DO NOT start work under this proposed change until you receive a copy signed by the Contracting Officer of a directive to proceed).			
_____ Date	Shivani Patel, P.E./Project Manager _____ Type Name and Title	_____ Signature	
8. DESCRIPTION OF CHANGE: <i>Pursuant to the clause of this contract covering changes, the contractor shall furnish all labor and material, and all work necessary to accomplish the following described work:</i> See Attachment A			

CONTRACT MODIFICATION PROPOSAL AND ACCEPTANCE

As a result of the above, the contract price is revised as follows:

<u>ITEM NO.</u>	<u>ITEM DESCRIPTION</u>	<u>TOTAL COST</u>
1	Lockable Switch Covers	\$9,214.71
2	Addition of Silencers	\$32,083.33
3	Skimmer Flight Modifications in Cells 3 and 4	\$22,536.42
4	Filter Cell Level Transmitters	\$53,116.83
5	Cells 3 and 4 New High-Side Impulse Lines	\$1,804.81
6	Cell 5 Work Platform Modifications	\$12,260.80
7	Replacement of Air Compressor Circuit Breakers	\$9,684.26
8	Skimmer Flight Modifications in Cells 9 and 10	\$9,800.00
9	Elimination of Performance Test Lab Fees for all 10 cells (Credit)	(\$7,120.00)
10	Elimination of 24-inch Waste Gate Manual Operator (Credit)	(\$6,000.00)
11	Elimination of Blower Motor Thermostats (Credit)	(\$1,114.00)
12	Elimination of Handrail (Credit)	(\$6,000.00)
13	Unit Price Item U1 ALLOWANCE (Credit)	(\$130,267.16)

TOTAL COST THIS MODIFICATION \$0

The contract time is hereby: *increased* *decreased* or **remaining the same* as a result of this modification.

*Contract times will be discussed in a separate time related change order for these items and any COVID related delays as appropriate.

The foregoing modification is hereby accepted:

_____	_____	_____
Rapid Pump & Meter Service Co, Inc.	North Hudson Sewerage Authority	Jacobs
CONTRACTOR	OWNER	(NJPE SEAL) ENGINEER
BY: _____	BY: _____	BY: _____
DATE: _____	DATE: _____	DATE: _____

APPROVAL: _____

STATE OF NEW JERSEY

DATE

CONTRACT MODIFICATION PROPOSAL AND ACCEPTANCE

9. ISSUING OFFICE North Hudson Sewerage Authority	10. PROJECT NO. S340635-30	11. CONTRACT NO. PURAC System Upgrades Phase 3 Services During Construction	12. MODIFICATION NO. Mod # # P-02
13. CONTRACTOR'S PROPOSAL – CHANGE IN CONTRACT PRICE (Detailed breakdown, attach additional sheets as necessary)			
(Proposed) See Attachment B			
By executing this Change Order No. P-02 for the PURAC System Upgrades Phase 3 Services During Construction Project the Contractor acknowledges that its terms provide full and final settlement of any and all claims against Owner arising from or relating to the changed work. Contractor hereby releases Owner from and waives all claims, demands, suits or actions, whether legal or equitable, known or unknown relating to the changed work including, without limitation, claims for damages arising from delays, suspensions, standby costs, home and field office overhead costs, lost profits, breach of contract, cardinal change or abandonment.			
NET INCREASE \$ <u>0</u>	NET DECREASE \$ <u>0</u>	CALENDER DAYS INCREASE <u>0</u> DAYS	
DATE:	TYPE NAME AND TITLE:	SIGNATURE:	

CONTRACT MODIFICATION PROPOSAL AND ACCEPTANCE

14. ISSUING OFFICE & PROJECT NO. North Hudson Sewerage Authority, S340635-04	15. CONTRACT NO. PURAC System Upgrades Phase 3 Services During Construction	16. MODIFICATION NO. Mod # P-02
17. ORIGINAL CONTRACT BID PRICE \$ 11,862,950.00 TOTAL OF PREVIOUS CHANGE ORDERS \$ 31,191.05 TOTAL CONTRACT COST INCLUDING CHANGE \$ 11,894,141.05		
18. NECESSITY FOR CHANGE AND REASON FOR OMISSION FROM PLANS AND SPECIFICATIONS: See Attachment C		
19. OTHER IMPACTS RESULTANT OF THIS CHANGE: No other impacts on the Contractor at this time. Contract times will be discussed in a separate time related change order for these items and any COVID related delays as appropriate.		
20. RESUME OF NEGOTIATIONS OR RECOMMENDATIONS (Loanee's Representative): 		
DATE:	TYPE NAME AND TITLE OF LOANEE'S REPRESENTATIVE:	SIGNATURE:

Attachment A

DESCRIPTION OF CHANGE

Issuing Office: North Hudson Sewerage Authority

Project Number: S340952-30

Modification No: P-02

Box No. 8: DESCRIPTION OF CHANGE

1. Lockable Switch Covers
 - a. Furnish Model: Appleton FSK-1VS, NEMA 3R lockable switch covers at locations of Solenoid Valve local 120VAC disconnect switches
2. Addition of Silencers
 - a. Furnish and Install 2 Durr Universal Inlet Silencers Model Special RDY-12 (Inlet, CS EPA AIS) for the blowers
3. Skimmer Flight Modifications in Cells 3 and 4
 - a. Modify the skimmer flight return wear blocks on Cells #3 and #4, as per RFI-035.
 - b. Remove all FRP skimmer flights on Cells #3 and #4 and replace with new Marine-Grade Aluminum skimmer flights provided by AWC. Adjust flight wipers to conform to their respective beaches and the cell walls.
 - c. Remove existing drive motor bases on Cells #3 and #4 and replace with new adjustable motor bases provided by AWC.
 - d. Remove two "smooth" wheels from each side of all new aluminum flights. Replace with new "shouldered" wheels provided by AWC.
 - e. Cut bearing support brackets and plug weld (2) anchor bolts for Cells 3 and 4. Install bumper guards along the top rails in Cells 3 and 4.
 - f. Provide all delivery truck unloading services.
 - g. Furnish any necessary miscellaneous hardware.
4. Filter Cell Level Transmitters
 - a. Furnish and install Qty. 10: Endress+Hauser Micropilot FMR51 radar based level transmitters. One (1) for each DAF/Filter cell. Order one (1) transmitter with an expedited fabrication/ship schedule.
 - b. Furnish and install Qty. 10: Endress+Hauser Bluetooth modules (BT10), Model No. 71377355. Factory install one (1) BT10 module in each radar-based level transmitter.
 - c. Furnish and install Qty. 10: custom mounting brackets. Refer to attached Jacobs bracket design sketch and level transmitter dimensional drawings.
 - d. Provide manufacturer's representative's field startup, testing, and training for the new level instruments. Estimate the startup of 10 level instruments with be concurrent with training of plant operations and maintenance staff. Estimate (2.5) 10-hour days.

- e. Provide shop drawing submittals for Engineer's review and approval, prior to purchase or manufacture.
5. Cells 3 and 4 High-Side Impulse Lines
 - a. Furnish and install new taps on the Emergency Bypass pipes for Filter Cells #3 and #4 to be used for connecting the "High-Side" impulse lines of the newly installed filter cell differential pressure transmitters. Install the new taps on the vertical pipe run, below the invert elevation of the upper horizontal pipe run.
 - b. Remove and relocate the newly installed High-Side impulse piping. Install new pipe and fittings as required to achieve impulse line alignment.
 - c. Install plug in abandoned tap.
 6. Cell 5 Work Platform Modifications
 - a. Furnish and install access platform:
 - i. Steel platform with approximate dimensions of eighteen foot by nine-foot 18'x9').
 - ii. Install one (1) Fixed Ladder with Safety Cage.
 - iii. Install wall supports using epoxy anchors.
 - iv. Install galvanized grating
 - b. Furnish access platform in Cell #5:
 - i. New Grating Panels - per updated platform layout RFI 049
 - ii. New Framing steel angles (4) x L3x3x3/8 – per attached New Layout
 - iii. Ladder extension and mods – per attached ladder modification detail
 7. Replacement of Air Compressor Circuit Breakers
 - a. Replace the circuit breakers of four (4) air compressors.
 8. Skimmer Flight Modifications in Cells 9 and 10
 - a. Remove (36) flights by removing the roller mounting bracket and chain link bracket.
 - b. Cut 1-1/2" off the gear motor side, of the flight for (36) flights.
 - c. Extend the cut notch accordingly in each flight.
 - d. Drill 4 x New Holes in each flight roller mounting bracket and chain-link bracket.
 - e. Freight and Handling. Dispatch all (36) x Flights to RPM's shop in Paterson, NJ. To expedite flight mods. As opposed to trimming and drilling on site.
 - f. Install and adjust (36) trimmed flights.
 9. Elimination of Performance Test Lab Fees for all 10 cells (Credit)
 - a. Lab Tests not required during Performance Test
 10. Elimination of 24-inch Waste Gate Manual Operator (Credit)
 - a. Removal of 24-inch Gate Manual Operator from Contract
 11. Elimination of Blower Motor Thermostats (Credit)
 - a. Removal of Blower Motor Thermostats from Contract

12. Elimination of Handrail (Credit)

- a. Removal of New Handrails Along Influent Channel from Project Scope

13. Unit Price Item U1 ALLOWANCE (Credit)

- a. Credit of Allowance Item for Welded Steel Pipe and Appurts

Attachment B

CONTRACTOR'S PROPOSAL – CHANGE IN CONTRACT PRICE

Issuing Office: North Hudson Sewerage Authority

Project Number: S340952-30

Modification No: P-02

Box No. 13: CONTRACTOR'S PROPOSAL – CHANGE IN CONTRACT PRICE

1. Lockable Switch Covers
 - a. Cost Proposal (RFQ-01) received from Rapid pump via email on June 15, 2020.
2. Addition of Silencers
 - a. Cost Proposal (RFQ-02) received from Rapid pump via email on October 21, 2020.
3. Skimmer Flight Modifications in Cells 3 and 4
 - a. Cost Proposal (RFQ-03) received from Rapid pump via email on September 24, 2020.
4. Filter Cell Level Transmitters
 - a. Cost Proposal (RFQ-04) received from Rapid pump via email on September 23, 2020.
5. Cells 3 and 4 High-Side Impulse Lines
 - a. Cost Proposal (RFQ-05) received from Rapid pump via email on October 13, 2020.
6. Cell 5 Work Platform Modifications
 - a. Cost Proposal (RFQ-06) received from Rapid pump via email on October 5, 2020.
7. Replacement of Air Compressor Circuit Breakers –
 - a. Cost Proposal (RFQ-07) received from Rapid pump via email on September 23, 2020.
8. Skimmer Flight Modifications in Cells 9 and 10
 - a. Cost Proposal (RFQ-08) received from Rapid pump via email on October 26, 2020.
9. Elimination of Performance Test Lab Fees for all 10 cells (Credit)
 - a. Credit confirmed from invoice on December 10, 2019
10. Elimination of 24-inch Waste Gate Manual Operator (Credit)
 - a. Credit confirmed in transmittal from DeZurik on March 5, 2020

11. Elimination of Blower Motor Thermostats (Credit)
 - a. Credit confirmed in Submittal 11370-002-3 on July 8, 2020

12. Elimination of Handrail (Credit)
 - a. Credit confirmed in email from October 13, 2020

13. Unit Price Item U1 ALLOWANCE (Credit)
 - a. Reduction in Cost in Unit Price Item U1

Attachment C

NECESSITY FOR CHANGE AND REASON FOR OMISSION FROM PLANS AND SPECIFICATIONS

Issuing Office: North Hudson Sewerage Authority

Project Number: S340952-30

Modification No: P-02

Box No. 18: NECESSITY FOR CHANGE AND REASON FOR OMISSION FROM PLANS AND SPECIFICATIONS

1. Lockable Switch Covers – The specified cover is not capable of being locked out/tagged out. The proposed switch covers will have this ability
2. Addition of Silencers – Installation of the silencer is necessary to reduce noise from the blowers which was objectionable to the residents in the Shades Development behind the WWTP.
3. Skimmer Flight Modifications in Cells 3 and 4 - The skimmer equipment supplier, AWC (who is under a separate supply contract with NHSA), was not satisfied with the performance of their FRP-based flight design and motor bases. AWC undertook a redesign effort and had new items fabricated at no charge to the Authority. It is necessary for the Phase 3 General Contractor to perform the field work associated with the skimmer modifications.
4. Filter Cell Level Transmitters – The contract documents require the reuse of the existing level transmitters in the newly rehabilitated filter cells. However, the existing radar-based level transmitters don't work properly in the newly rehabilitated cells. A new level-instrument with a more concentrated "beam angle" was tested and proved to function appropriately, therefore new level transmitters are required for all cells to operate as required.
5. Cells 3 and 4 High-Side Impulse Lines – The contract documents required installation of new impulse line taps in the same general location of the existing (demolished) pressure transmitter impulse line taps. Upon startup of the new filter cells, it was discovered that the location of the tap introduces air in the impulse line during the filter backwash, which causes the transmitter not to work properly. The taps for Cells 3 and 4 were relocated to an area of piping that will always be filled with water, even during a backwash.
6. Cell 5 Work Platform Modifications – Per the Contract Documents the access platform was located in Cell 5, however, during construction it was agreed to move the platform to Cell 6. The resulting redesign required modifications of the platform grating and ladder to accommodate the existing vertical pipe in the area.

7. Replacement of Air Compressor Circuit Breakers – Upon start-up of the air compressors there were issues with the air compressors tripping. Increasing the size of the circuit breaker has solved the issue.
8. Skimmer Flight Modifications in Cells 9 and 10 – Modifications are required on the length of the flights for cells 9 and 10.
9. Elimination of Performance Test Lab Fees for all 10 cells (Credit) – Due to logistical issues related to COVID-19 at the time of testing, AWC waived laboratory testing of the filter effluent samples for all cells. The initial results from the laboratory tests were acceptable and in place of delaying the project to conduct the testing, a credit was agreed upon.
10. Elimination of 24-inch Waste Gate Manual Operator (Credit) – The manual operator provided by the vendor was too large for the location of the waste gate valves and did not comply with the specification. A credit was agreed upon.
11. Elimination of Blower Motor Thermostats (Credit) – The motor temperature switch that was originally provide by the vendor did not comply with the cut sheet to measure ambient temperature. After discussions, the thermostat is not necessary on the blower motors due to the infrequent operation. In place of replacing all motors, a credit was agreed upon.
12. Elimination of Handrail - The purpose of moving the handrail was to accommodate supports for the Blower Air Scour (BAS) Header Piping. Since the BAS piping is not located above this area, this modification is not necessary.
13. Unit Price Item U1 ALLOWANCE (Credit) – Line Item U1 is not needed in its entirety

REQUEST FOR QUOTATION

QUOTATION NO: PURAC-RFQ-03

TO: Rapid Pump & Meter Service Co., Inc. DATE: 9/11/2020

FROM: Shivani Patel, PE

PROJECT: NHSA PURAC System Upgrades, Phase 3 - Loan S340952-30

KEYWORD DESCRIPTION: Skimmer Flight Cells

DATE QUOTATION REQUIRED: 9/23/2020

The following modification to the contract has been identified. Pursuant to the General Conditions, please provide a quotation for the alteration as described in Item 1. The quotation should include an itemized breakdown of contractor and subcontractor costs, including labor, materials, rentals, approved services, overhead, and profit. This request shall not be considered authorization to proceed with the work herein described.

To be completed by Initiator of Request:

1. Scope of Work: (include list of attachments)

1. Modify the skimmer flight return wear blocks on Cells #3 and #4, as per RFI-035.
2. Remove all FRP skimmer flights on Cells #3 and #4 and replace with new Marine-Grade Aluminum skimmer flights provided by AWC. Adjust flight wipers to conform to their respective beaches and the cell walls.
3. Remove existing drive motor bases on Cells #3 and #4 and replace with new adjustable motor bases provided by AWC.
4. Remove two "smooth" wheels from each side of all new aluminum flights. Replace with new "shouldered" wheels provided by AWC.
5. Cut bearing support brackets and plug weld (2) anchor bolts for Cells 3 and 4. Install bumper guards along the top rails in Cells 3 and 4.
6. Provide all delivery truck unloading services.
7. Furnish any necessary miscellaneous hardware.

2. Reason(s) for Modification: Owner Unforeseen Conditions(site, weather, etc) Other

The skimmer equipment supplier, AWC (who is under a separate supply contract with NHSA), was not satisfied with the performance of their FRP-based flight design and motor bases. AWC undertook a redesign effort and had new items fabricated at no charge to the Authority. It is necessary for the Phase 3 General Contractor to perform the field work associated with the skimmer modifications.

3. Approval of Request:

Owner: _____ Date: _____

Engineer: Shivani Patel, PE Date: 9/11/2020

To be completed by Contractor:

4. Total cost of modification (attach detailed breakdown) \$ \$22,536.42

5. Will a modification to the contract time be required? Yes No

If so, trade(s) Millwright/Laborer

No. of personnel 6

Duration 7 (calendar days)

Proposed Change Order - WCD-01

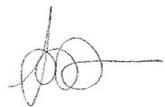
6. Attachment identification: (list) _____

7. Quotation is in effect until: (date) _____

8. Approval of Quotation _____

Contractor Steven Marsich, P.E. Date 09/23/2020

Copy:



**Rapid Pump &
Meter Service
Co., Inc.**



September 23, 2020

Mr. Dejan Davidovic
Resident Engineer, North Hudson Sewerage Authority
Jacobs
299 Madison Avenue
Morristown, NJ 07960
Dejan.davidovic@jacobs.com

Reference: PURAC System Upgrades, Phase 3, Contract 4
North Hudson Sewerage Authority
Notice of Amount and Extent of Claim
Proposed Change Order for Work Change Directive No. 1
Cells 3 and 4 Flight Modifications
PCO-WCD-01

Dear Mr. Davidovic:

Following to your Work Change Directive No. WCD-01 dated 12/19/19, Rapid Pump and Meter (RPM) have established the costs and time delays incurred in connection with the modification of flights in Cells 3 and 4.

Claim

In accordance with Article 10.05 of the General Conditions, RPM notes that the adjustment claimed is the entire adjustment to which we believe we are entitled as a result of this event.

Contract Defined Field Conditions

Contract Drawing 10382-04-01 Sheet 17 of 17 depicts a chain and flight assembly for skimmers utilized as part of the Owner-Furnished Equipment described in Specification Section 11100. This equipment was preselected by the Owner and provided by AWC Solutions of Surrey, BC, Canada.

Lump Sum Pricing Approach

As per the Contract Documents, Rapid Pump provided Lump Sum Pricing of \$1,866,000.00 for Item L13 – Furnish and Install Filter Equipment, Underdrains, and Media. This lump sum pricing assumed that the equipment would be delivered to site as depicted in the Contract Documents, and would be operational without need for substantial modification unless otherwise noted in the Contract Documents.

There was no indication in the Contract Documents that these flights would require modification in order to allow proper functional operation.

Summary of Relevant Events

Following is a summary of events relevant to the execution of work under this PCO:

- On 6/11/19, RPM issued RFI 035 (***Attachment 1***) noting conflicts in the flight hardware provided that would prevent the system from operating properly at Cells 3 and 4. Specifically, conflicts were noted between the “return wear blocks” mounted on the end of each flight and the shaft bearing mount assembly on the south side of each cell.
- On 6/12/19, Jacobs responded to the RFI 035 requesting that RPM modify two (2) blocks as directed by the manufacturer, AWC as a proposed trial solution.
- On 7/2/19, Jacobs issued a Work Change Directive (WCD-01 – ***Attachment 2***) authorizing modification of wear blocks on all 72 flights (36 flights per cell for Cells No. 3 and 4).
- Between 7/2/19 and 7/18/19, RPM removed the wear blocks from the existing flights, brought them to our shop in Paterson, NJ, modified the blocks, returned the blocks to site, and reinstalled.
- On 10/17/19, at Construction Progress Meeting No. 9, Jacobs notified RPM that AWC was redesigning and replacing the existing flights and motor mounts for Cells 3 and 4 (and all future cells). As directed by Jacobs, RPM agreed to install the modified equipment in anticipation of a future work change directive/work order (***Attachment 3***).
- On 11/4/19, the redesigned equipment was present at the site.
- Between 11/5/19 and 11/8/19, RPM installed modified equipment under the direct supervision of AWC representative Teunis Cloete.
- On 12/19/19, Jacobs issued a revised WCD-01 (***Attachment 4***) incorporating the installation of replacement equipment.

Price Adjustment Calculation

In accordance with General Conditions 12.01 B, an adjustment in the Contract Price is requested for lump sum of \$22,536.42. The basis for the price adjustment is included as ***Attachment 5***.

Mr. Dejan Davidovic
September 23, 2020
Page 3 of 8

Time Adjustment Calculations

In accordance with General Conditions 12.02 B, an adjustment in the Contract Time is requested for a total of one week (7 days). This is based on the dedicated use of 6 man mechanical crew during the week of 11/4, resulting in overall delay of 1 week.

Please let us know if you have any questions or need additional information.

Regards,

Steven Marsich, P.E.
Rapid Pump & Meter Service Co., Inc.

Cc: Christina Lehr, Jacobs
Steve Kulcsar, RPM

ATTACHMENT 1

RFI 035
June 11-12, 2020



Request For Information/ RFI

RFI NO: 035

PROJECT: NHSA PURAC System Upgrades, Phase 3

PROJECT NO: S340952-30

CONTRACTOR: Rapid Pump & Meter Service Co., Inc. (Rapid)

RFI Initiated By: Steven Marsich, Rapid

Regarding: Plan Sheet 76 of 132 Spec. Section: 11100

Description:

Skimmer Installation – Return Wear Block

While installing the skimmer rails at Cells 3 and 4, RPM have noted some conflicts that may prevent the skimmer from operating properly, specifically with the return wear block.

The following pages show three areas of conflict:

1. Cell 3 East side – return wear block hits third anchor bolt
2. Cell 3 East side – return wear block hits bearing bracket angle
3. Cell 3 West side – return wear block hits bearing bracket angle

RPM has proposed some potential solutions below, but we require direction from Jacobs/AWC before any modifications are made. Additionally, modifications would be considered a change in the scope of work and additional costs would be incurred by RPM and a change order or claim would be required.

Steven Marsich, P.E.

Prepared by

6/11/19

Date

Response Assigned to:

See below attached response/drawings showing new dimensions for return block. Trim just (2) blocks as shown in the drawings attached. Once Blocks are trimmed install and test the flight travel over the sprocket.

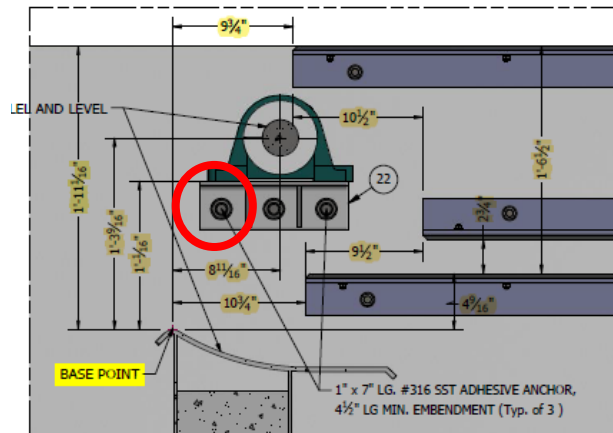
Dejan Davidovic

Signed

06/12/2019

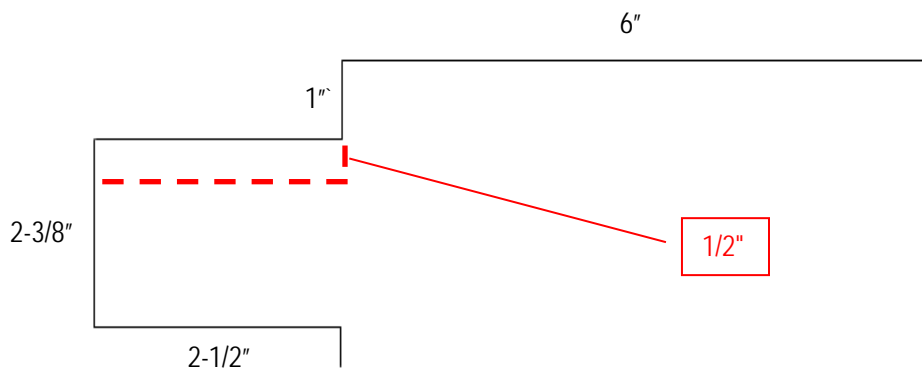
Date

Cell 3 East side – return wear block hits third anchor bolt



Potential Solutions:

1. Remove third anchor if AWC determines that placement of remaining two 1" anchors are sufficient
2. Trim return wear block – reducing the height of the projection on the wear block by 1/2" as pictured below should avoid conflict with bolt. This would lower the overall elevation of the skimmer by the same distance when it is traveling on the upper rail. RPM would recommend modifying a single block and testing it in order to ensure the conflict is resolved.



Cell 3 East side – return wear block hits bearing bracket angle



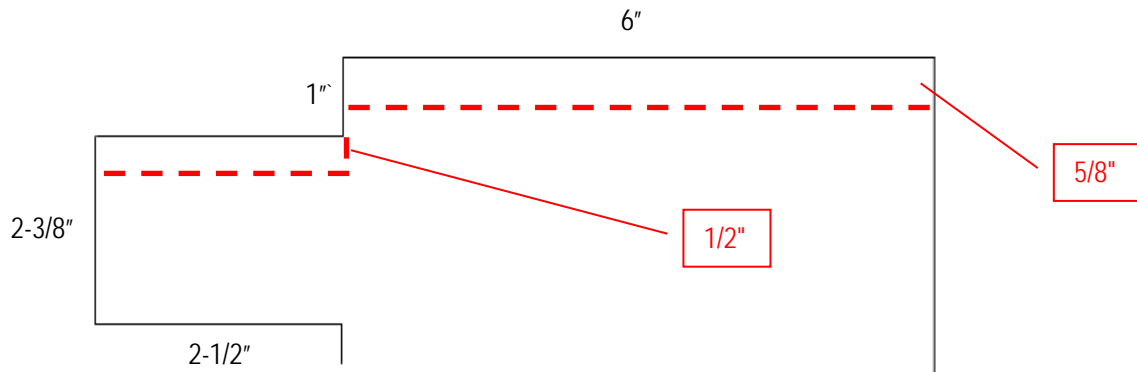
Potential Solutions:

1. AWC has recommended trimming the bearing support bracket with a 1" x 1" notch on as pictured to the right. This solution does not appear to be sufficient as the block would appear to still hit the bearing housing.

Notch



2. Trim return wear block – reducing the overall height of the wear block by 5/8" as pictured below should reduce conflict with the bracket. This would lower the size of the "step" used to keep the skimmer in place when it is traveling along the top rail. This modification could also be combined with the 1/2" modification of the projection proposed above which would largely maintain that step size. RPM would recommend modifying a single block and testing it in order to ensure the conflict is resolved.

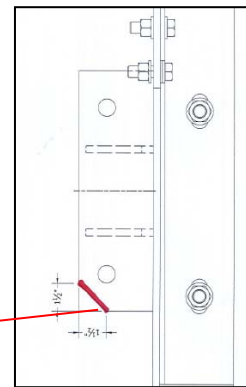


Cell 3 West side – return wear block hits bearing bracket angle

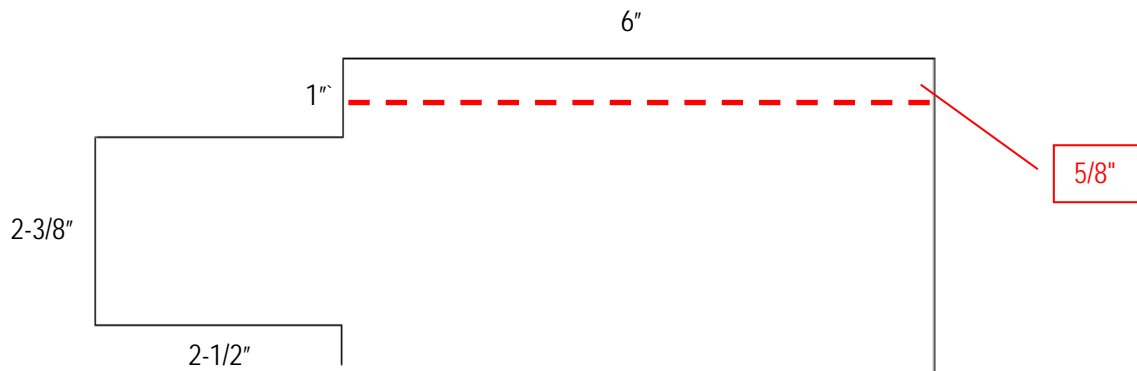


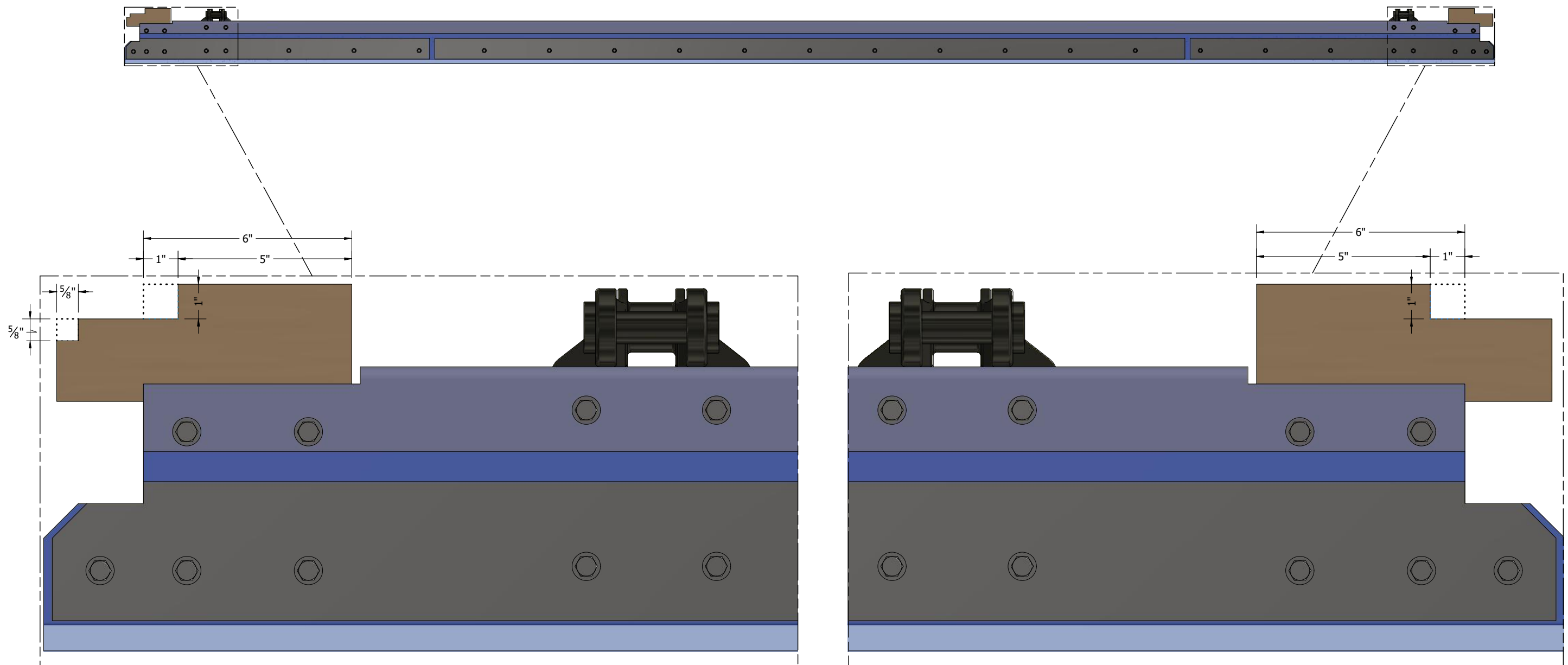
Potential Solutions:

1. AWC has recommended trimming the bearing support bracket with a 1-1/2" x 1-1/2" notch on as pictured to the right. This solution does not appear to be sufficient as the block would appear to still hit the bearing housing. **Please also note that the support bracket is 13" and not 12" as was indicated on the most recent drawing.**



2. Trim return wear block – reducing the overall height of the wear block by 5/8" as pictured below should reduce conflict with the bracket. This would lower the size of the "step" used to align the skimmer as it is traveling along the top rail. This modification could also be combined with the 1/2" modification of the projection proposed above which would largely maintain that step size. RPM would recommend modifying a single block and testing it in order to ensure the conflict is resolved.





REV	DESCRIPTION	BY	CHK'D	APP'D	DATE
-					

NOTE

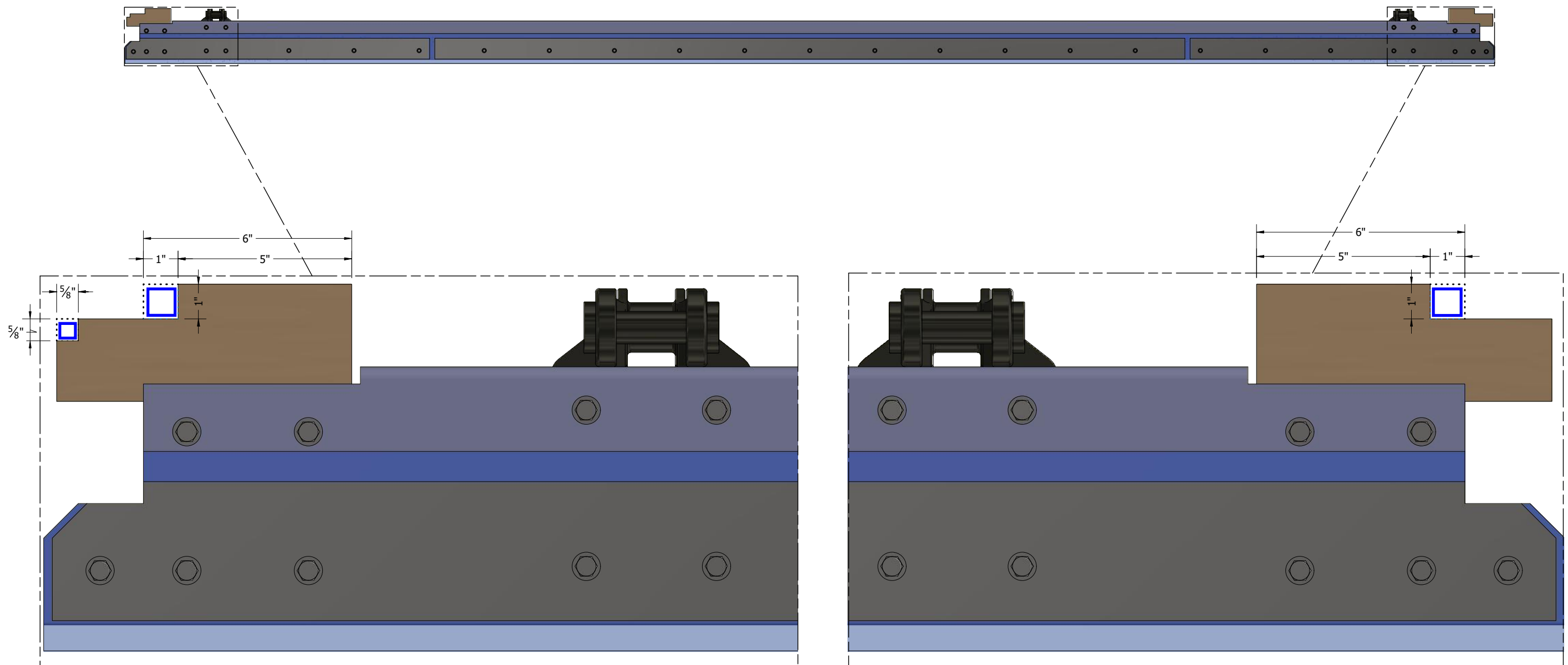
THIS DRAWING IS THE PROPERTY OF AWC WATER SOLUTIONS, AND CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION WHICH MUST NOT BE DUPLICATED, USED OR DISCLOSED OTHER THAN EXPRESSLY AUTHORIZED BY AWC WATER SOLUTIONS.



AWC WATER SOLUTIONS LTD.
 #104-19074 22nd Avenue Surrey, BC Canada V3Z 3S6
 Phone : 604-638-0760 Fax: 604-638-0795
 www.awcwater.com

DRAWN	WW
DESIGN	CC
CHECKED	CC
APPROVED	JY
DATE	2019-06-11
SCALE	NONE

NORTH HUDSON SEWERAGE WWTP (PO. #10382) AWC Model DAF/Flo-Filter WWTP WEAR BLOCK MODIFICATION SHEET 1 OF 1	
DRAWING NO.	10382-04-06
REV	-



REV	DESCRIPTION	BY	CHK'D	APP'D	DATE
-					

NOTE

THIS DRAWING IS THE PROPERTY OF AWC WATER SOLUTIONS, AND CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION WHICH MUST NOT BE DUPLICATED, USED OR DISCLOSED OTHER THAN EXPRESSLY AUTHORIZED BY AWC WATER SOLUTIONS.



#104-19074 22nd Avenue Surrey, BC Canada V3Z 3S6
Phone : 604-638-0760 Fax: 604-638-0795
www.awcwater.com

DRAWN	WW
DESIGN	CC
CHECKED	CC
APPROVED	JY
DATE	2019-06-11
SCALE	NONE

NORTH HUDSON SEWERAGE WWTP (PO. #10382) AWC Model DAF/Flo-Filter WWTP WEAR BLOCK MODIFICATION SHEET 1 OF 1	
DRAWING NO.	10382-04-06
REV	-

ATTACHMENT 2

**WCD-01 revision 1
July 2, 2019**



WORK CHANGE DIRECTIVE

TO CONTRACTOR: Rapid Pump & Meter Service Co., Inc. WCD NO: 1

PROJECT NHSA PURAC System Upgrades, Phase 3 PROJECT NO: S340952-30

OWNER: North Hudson Sewerage Authority

ENGINEER: JACOBS

The following additions, deletions, or revisions to the Work have been ordered and authorized:

Description of Work:

While installing the skimmer flights in Cells 3 and 4, Contractor observed conflicts that prevent the flights from operating properly, specifically the Return Wear Blocks. Skimmer flight Return Wear Blocks conflict with Bearing Support Bracket and Anchor Bolt. Contractor to trim Cell 3 and Cell 4 Return Wear Blocks as per attached AWC recommendation.

- Remove each of the 72 Flight Return Wear Blocks from all skimmer flights in Cell 3 and 4.
- Trim Blocks as recommended by AWC engineer – see attached AWC – Return Wear Block – Modification drawing.
- Reinstall newly modified blocks to 36 Skimmer Flights for future installation for Cell 3 and 4

Reason for Change(s):

There are (3) Locations where the return wear blocks conflict with the Head Shaft Bearing Housing, Bearing Support Bracket and Bearing Support Anchor Bolt:

- Cell West Wall – return wear block hits third anchor bolt
- Cell West Wall – return wear block hits bearing bracket angle/housing
- Cell East Wall – return wear block hits bearing bracket angle/housing

The as-found condition of the Filter Cells post-demolition exceeded the tolerances of the skimmer equipment.

Attachments (List Supporting Documents):

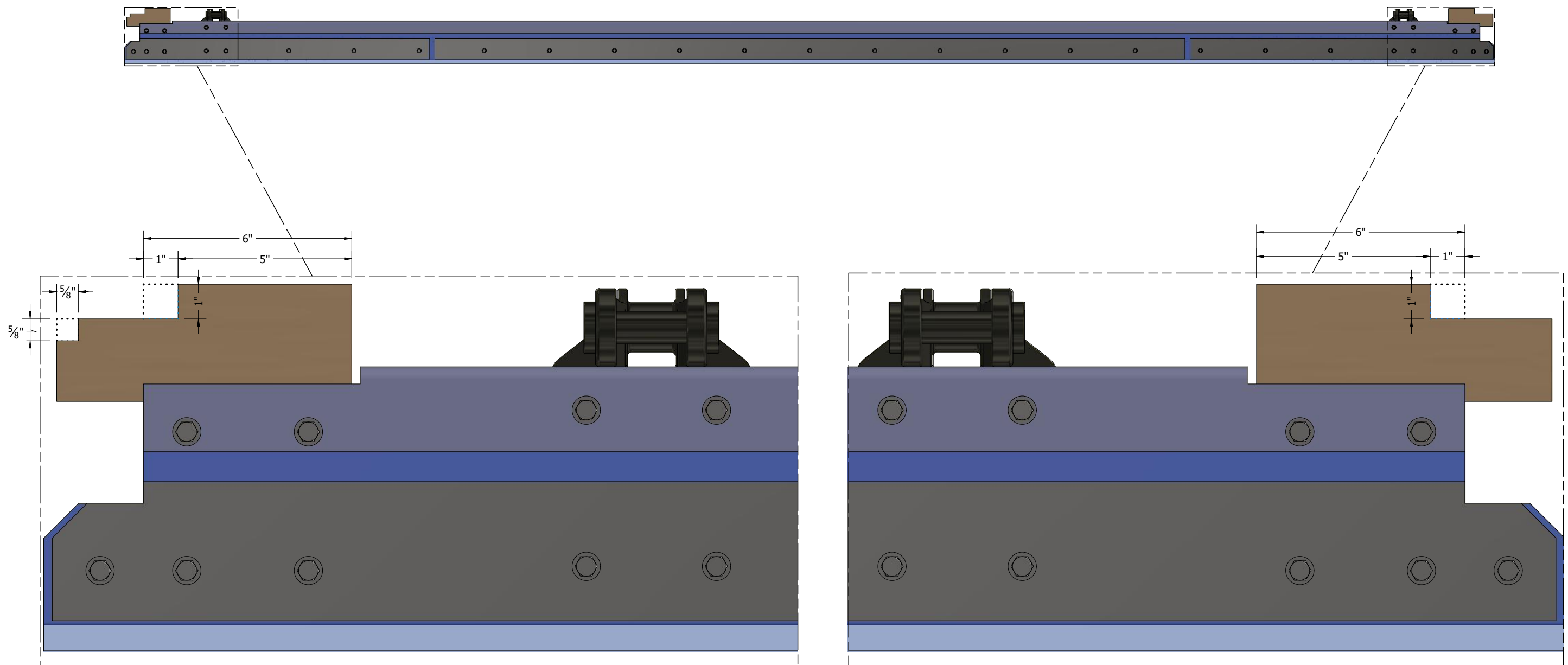
AWC – Return Wear Block - Modifications

It is understood that this Work Change Directive will not change the Contract Price or Times but is evidence that the parties expect a Change Order to be subsequently issued reflecting any changes.

Ordered By:  07/02/2019
Date

Recommended By: Dejan Davidovic RE 07/02/2019
Engineer Date

Copy:



REV	DESCRIPTION	BY	CHK'D	APP'D	DATE
-					

NOTE

THIS DRAWING IS THE PROPERTY OF AWC WATER SOLUTIONS, AND CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION WHICH MUST NOT BE DUPLICATED, USED OR DISCLOSED OTHER THAN EXPRESSLY AUTHORIZED BY AWC WATER SOLUTIONS.



#104-19074 22nd Avenue Surrey, BC Canada V3Z 3S6
Phone : 604-638-0760 Fax: 604-638-0795
www.awcwater.com

DRAWN	WW
DESIGN	CC
CHECKED	CC
APPROVED	JY
DATE	2019-06-11
SCALE	NONE

NORTH HUDSON SEWERAGE WWTP (PO. #10382) AWC Model DAF/Flo-Filter WWTP WEAR BLOCK MODIFICATION SHEET 1 OF 1	
DRAWING NO.	10382-04-06
REV	-

ATTACHMENT 3

Construction Meeting No. 9 Minutes October 17, 2019

Subject Construction Meeting No. 9 - Meeting Minutes

Project Name NHSA PURAC System Upgrades Phase 3 – Contract 4

Project Number S340952 - 30

Prepared by Dejan Davidovic, Resident Engineer

Date 12/20/2019

Participants See attached sign in sheet.

Copies to OMI, Rapid Pump, NHSA, NJDEP

On October 17th, 2019 a construction meeting was held at the Authority’s Adams Street WWTP for the above referenced project. Representatives from Jacobs (CH2M), OMI and Rapid Pump & Meter Service Co., Inc (Rapid/Contractor) were in attendance. Attached is an agenda and attendance list from the meeting.

Please return comments to Dejan Davidovic / Jacobs, within five days of receipt. Otherwise, the meeting minutes will be considered complete and accurate as written.

NTP ISSUED ON	August 27, 2018	
No. of Days Elapsed	416 Days (45%)	October 17, 2019
Substantial Completion	860 Days	January 3, 2021
Final Completion	920 Days	March 4, 2021

Notes	Action
1 Construction Progress to Date:	<ul style="list-style-type: none"> • Successfully completed the Air/Water test on Cells 3 and 4 underdrains. • Loaded gravel and media into Cells 3 and 4 under AWC’s supervision. (AWC media signoff pending OMI’s grout repairs at Cell #4 Orifice plate.) • Completed Electrical installation of RGS conduits to Effluent Valves, Slide Gates, DPIT’s, Waste Gates and Skimmer control panel. • Completed the wire pulls and terminations for all Cell 3 and 4 Effluent Valves, Slide Gates, DPIT’s, Waste Gates and Skimmer control panel. • Systems Integrator OCC installed new PLC equipment in Panels CP-1, CP-4, and CP-4B. • OCC started the terminations and wiring of HOA’s at panel CP-1. • OCC started the programming of new PLC’s working closely with Kyle Arnold of OMI. • Continued installing 12” BAS piping, supports and Blower Valves.

Notes	Action
<p>2 Potential Change Orders</p>	<ul style="list-style-type: none"> • Completed the cleanout of Saturation Tank's No. 1 and No. 2. • Started Up Blower No. 1 - manufacturer was present. <p>Jacobs will not be sending a letter response letter to Rapid's inquiry on PCO#1 status. The status of sand removals from filter cells will be tracked and monitored as the work progresses.</p> <p>Jacobs reiterated the importance of measuring and tracking sand levels in cells #9 and #10. Total quantity of sand in the filter cells needs to be quantified.</p> <p>It was discussed that the sand levels in all remaining cells to be demolished should be measured at this time and an overall assessment made. Measurements will have to be a coordinated effort between Jacobs, Rapid, and OMI.</p>
<p>3 Change Orders</p>	<p>None to date</p>
<p>4 Field Orders</p>	<p>None to date</p>
<p>5 Work Change Directives</p>	<p>WCD #1 – Skimmer Return Wear Block Modifications, Cells #3/4. Jacobs will prepare and transmit to Rapid.</p> <p>WCD – Filter Plenum Air Release Valves – Jacobs informed having a means to expel air from the filter plenum area may be beneficial; however, will not be performed on Cells #3 and #4. Jacobs will inquire with AWC and DeNora about the concept.</p>
<p>6 Request for Information</p>	<p>RFI 040 – Cable Tray Feeders – Resolved RFI 041 – Blower LCP – Responded</p>
<p>7 Request for Quotations</p>	<p>None to date</p>
<p>8 AIS (American Iron and Steel)</p>	<p>05500-003-2 - Platform and Trough Support Beams -Outstanding 05500-005-1 - Metal Bar Grating – Outstanding 11341-001-2 - Baffle Walls – Outstanding. Need letter on Anchors. Contractor to make use of De minimis waiver. Per Contractor Anchors arrived with equipment thus part of assembly. Jacobs to research and confirm availability of AIS compliant anchor rods manufacturers. 15200-002-1 - Carbon Steel Pipe and Fittings - Outstanding 11282-001-3 - Fabricated Gate – Outstanding. Need letter on Anchors. 15200-006-1 - Basket Strainer - Outstanding. 15200-010-1 - Steel Coupling – Outstanding. 15200-012-1 - DI and Galvanized Piping SPEW</p>
<p>9 SED</p>	<p>Quarterly Reports are up to date. Jacobs advised that monthly reports are no longer needed if Rapid Pump achieves the agreed upon utilization SED goal of 12.9%.</p> <p>Quarterly SED report was submitted to NJDEP.</p>
<p>10 Administrative Submittals</p>	<p>Detailed Progress Schedule – Not received – Submit formally with official transmittal. Updated Progress Schedules – Not received -Submit Monthly with official transmittal. Contractor stated that most recent schedule was to the end of the project.</p>

Notes	Action
	<p>Jacobs inquired on schedule updates protocol and distribution specific to Cells 3 and 4. Contractor advised being ready for Functional Test of Cells 3 and 4 on 10/21.</p>
11 Shop Drawing Submittals	<p>Field Acceptance Test Plan – RR Copper Piping Layout – RR SPEW Piping Layout – RR Aluminum Metal Railing – RR Process Control Software – Outstanding - Contractor to confirm OMI Maintenance manager has the same software program used by OCC’s system integrator programmer. SCADA HMI display screens submittal</p>
12 Permits	<p>Electrical – Sam Abma of Rapid Pump inquired with permitting office at City of Hoboken. However, did not schedule an electrical inspection. Rapid will inquire with Code Office again. Building – Completed one on-site inspection with City of Hoboken Code office. Per Code Office inspection of next slab pour is waived. . However, Jacobs to maintain and have available all special inspection reports for City inspector’s review.</p>
13 Project Quality	<p>Owner furnished Special Inspections are ongoing and will continue for specific items of work; anchors, steel platform, and slab in-fill.. Contractor Quality Control: Contractor to provide work plan identifying all Contractor Furnished QC for the project. Jacobs and Rapid to jointly review the specifications.</p>
14 Health and Safety	<p>Contractor is responsible for site Safety. AHA and Work Plan required for major work activities and confined space entry. Jacobs requested signed AHA used on 07/02 during the incident with temporary 12” Saturation hose connection.</p>
15 General Project Information	<p>Contractor confirmed some LP Blocks are stored on site, but not all. To inquire with main office of remaining Cell #9 and #10 equipment stored off site. Special end units are of interest.</p>
16 Potential Construction Issues	<p>Electrical installations required for Cells 3 and 4 startups. OCC submittals, programming, wiring installations, and field testing Process valves testing – Jacobs to issue punch-list. Filter underdrains grout repair at orifice plate. Grout curing in Cell 4. Jacobs to verify when the next grout breaks will be performed. Certificate of proper installation: Influent gates and actuators, Blowers and Blower Safety devices, BAS Air Header unloading valve, DeZurik Valves, etc. Jacobs requested Contractor to submit on outstanding Blower monitoring devices for review and approval.</p>
17 Owner-furnished equipment	<p>Jacobs requested detailed inventory of media damaged prior to installation and quantities remaining in storage. Rapid Pump confirmed list of stored media already created. Rapid Pump to distribute media inventory currently on site. AWC media installation sign off. Requires confirmation of Orifice Plate Grout repair in Cell #4.</p>

Notes	Action
<p>18 Open Discussion</p>	<p>AWC redesigning flights, wipers and motor mount bases. Anticipate shipment on October 29th with receipt on site on November 4th.</p> <p>Jacobs advised Cell 3 grout repairs not necessary at this time.</p> <p>Rapid Pump requested WCD or CO from Jacobs on motor base work and skimmer flights replacement in both Cells 3 and 4. Jacobs agreed to issuing a WCD for Cells 3 and 4 flights replacement and motor base swapping.</p> <p>AWC finalizing 48-hr Performance Test Procedure for Jacobs review/approval; update expected 10/18/2019.</p> <p>After successful 48-hr performance there is a (1) Week Acceptance test. Specification was reviewed and the 1 week acceptance test is when all 10 cells are complete, not for each set of cells.</p> <p>Rapid Pump requested WCD regarding toggle style disconnect switches for new equipment and valves in PURAC. So the switches can be made to be lockable. Jacobs agreed new lockable cover plates are needed.</p> <p>Rapid Pump advised current Media Super-sacs are not UV resistant and susceptible to breaking due to sun exposure while stored at vendor facility. Jacobs will inquire with AWC to verify if the supersacks for the entire project are at DeNora's warehouse, or not.</p> <p>Jacobs inquired on OCC's plan for testing and wiring and programming on site. Once Cells 3 and 4 mechanically and electrically complete, how is OCC planning to test the whole system with new equipment on line</p> <p>Existing level transmitters will be reinstalled in Cells #3 and #4. OMI will assist to recalibrate the new transmitters. All to verify if the cells need to be filled with water to perform the calibration.</p> <p>Rapid requested the AWC-furnished recycle pipes for Cell #10 and the balance of the underdrain blocks. Jacobs will confirm and coordinate with AWC on the fabrication and shipments for Cells #9 and #10.</p> <p>Jacobs to confirm the weir elevations for the backwash troughs in cells #3 and #4.</p> <p>Terry (PLC programmer from OCC) will be on-site all next week. He is ready to perform a PLC program upload today.</p> <p>DeZurik was on site yesterday for the newly installed valves. They should be providing the certificates of proper installation today.</p> <p>Influent gates for Cells #3 and #4. The manufacturer's representative needs to come to the project site for startup and testing. Rapid needs to confirm their availability and schedule them to be on site.</p>

ATTACHMENT 4

**WCD-01 FINAL
December 19, 2019**



WORK CHANGE DIRECTIVE

TO CONTRACTOR: Rapid Pump & Meter Service Co., Inc. WCD NO: PURAC-WCD-01

PROJECT: PURAC System Upgrades, Phase 3 – Loan S340952-30 PROJECT NO: 702646

OWNER: North Hudson Sewerage Authority

ENGINEER: Jacobs

The following additions, deletions, or revisions to the Work have been ordered and authorized:

Description of Work:

The following revisions to the work are authorized:

1. Modify the skimmer flight return wear blocks on Cells #3 and #4, as per RFI-035.
2. Remove all FRP skimmer flights on Cells #3 and #4 and replace with new Marine-Grade Aluminum skimmer flights provided by AWC. Adjust flight wipers to conform to their respective beaches and the cell walls.
3. Remove existing drive motor bases on Cells #3 and #4 and replace with new adjustable motor bases provided by AWC.
4. Remove two "smooth" wheels from each side of all new aluminum flights. Replace with new "shouldered" wheels provided by AWC.
5. Cut bearing support brackets and plug weld (2) anchor bolts for Cells 3 and 4. Install bumper guards along the top rails in Cells 3 and 4.
6. Provide all delivery truck unloading services.
7. Furnish any necessary miscellaneous hardware.

Reason for Change(s):

The skimmer equipment supplier, AWC (who is under a separate supply contract with NHSA), was not satisfied with the performance of their FRP-based flight design and motor bases. AWC undertook a redesign effort and had new items fabricated at no charge to the Authority. It is necessary for the Phase 3 General Contractor to perform the field work associated with the skimmer modifications.

Attachments (List Supporting Documents):

None

It is understood that this Work Change Directive will not change the Contract Price or Times, but is evidence that the parties expect a Change Order to be subsequently issued reflecting any changes.

Ordered By: _____ Date _____
Owner Date

Recommended By: John V. Tobia, PE 12/18/2019
Engineer Date

Copy:
 Owner
 Engineer
 AWC
 Electronic Files

ATTACHMENT 5

Cost Calculations

NHS A PURAC System Upgrades, Phase 3, Contract 4
PCO Cost Breakdown
PCO-WCD-01

Description: PCO Cost Breakdown

1. Payroll Costs:						
See page 2 of Proposal	<u>Trade</u>	<u>Hours</u>	<u>Rate</u>	<u>Total</u>		
				\$	18,227.32	
				\$	-	
				\$	-	
				\$	-	
				SUBTOTAL:	\$ 18,227.32	
2. Material & Permanent Equipment:						
See Page 3 of Proposal				\$	250.00	
				SUBTOTAL:	\$ 250.00	
3. Subcontractor Work:		Price	Qty.			
				\$	-	
				\$	-	
				\$	-	
				\$	-	
				SUBTOTAL:	\$ -	
4. Supplement Costs:						
a.				\$	-	
b.				\$	-	
c.				\$	-	
d.				\$	-	
e.				\$	-	
f.				\$	-	
g.				\$	-	
h.				\$	-	
i.				\$	-	
j.				\$	-	
				SUBTOTAL:	\$ -	
5. Grand Total (Subtotal 1, Subtotal 2, Subtotal 4, Subtotal 5):				\$	18,477.32	
<u>Contract Decrease</u>						
6. Contractor Credit				\$	-	
<u>Net Contract Increase</u>						
7. Direct Work Sub-Total (Increase 5 + Decrease 6)				\$	18,477.32	
8. Contractor's Overhead (10%):				\$	1,847.73	
Contractor's Profit (10%):				\$	2,032.51	
9. Subcontractor Total (Item 3 Subtotal)				\$	-	
10. Subcontractor Markup (10% of Item 10 total)				\$	-	
11. Bond Premium (0.8% x Lines 8,9):				\$	178.86	
12. TOTAL INCREASE:				\$	22,536.42	

LABOR/MATERIALS BREAKDOWN

Labor

	<u>Men</u>	<u>Days</u>	<u>Hrs/Day</u>	<u>Total Hours</u>	<u>Rate Category</u>	<u>Rate</u>	<u>Total</u>
<u>RPM Labor Services - WCD 01 - July 2019</u>							
Task - Modify Wear Blocks							
<i>Straight Time</i>							
Supervision	1	2	4	8	Millwright	\$ 89.29	\$ 714.36
Block Removal/ Installation	2	2	4	16	Laborer	\$ 70.16	\$ 1,122.56
Pickup/Delivery	1	2	4	8	Laborer	\$ 70.16	\$ 561.28
Block Cutting	1	3	4	12	Laborer	\$ 70.16	\$ 841.92

RPM Labor Services - WCD 01 - November 2019

Task - Replace Existing Equipment with Modified Equipment

<i>Straight Time</i>							
Support Supervision	1	4	8	32	Millwright	\$ 89.29	\$ 2,857.44
Support Labor	5	4	8	160	Laborer	\$ 70.16	\$ 11,225.64
<i>Overtime (x 1.5)</i>							
Support Supervision	1	3		6.75	Millwright	\$ 133.94	\$ 904.11
Support Labor	5	1	3.75	18.75	Laborer	\$ 105.24	\$ 1,973.26

TOTAL LABOR \$ 18,227.32

LABOR/MATERIALS BREAKDOWN

Materials & Equipment

	<u>Unit</u>	<u>Qty</u>	<u>Each</u>	<u>Total</u>
Delivery Truck - Pickup	Day	0.5	250	125
Delivery Truck - Return	Day	0.5	250	125
TOTAL				\$ 250.00

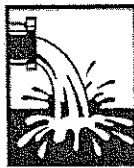
Trade Laborer Contract Begins 5/1/2018

	Straight Time
1 Base Hourly wage	\$ 34.05
2 Plus Vacation Pay	
3 Plus other taxable items	
4 Taxable base	\$ 34.05
5 Plus Workmen's Compensation(8.51% of 4)	\$ 2.90
6 Plus Fringe Benefits	\$ 28.02
9 Subtotal	\$ 64.97
10 Plus FICA(7.65% of 4)	\$ 2.60
11 Plus FUTA(0.6% of 4)	\$ 0.20
12 Plus SUI(2.0% of 4)	\$ 0.68
13 Subtotal	\$ 68.46
14 Plus G.L & P.D.(5.00% of 4)	\$ 1.70
15 Total Labor Rate	\$ 70.16

* Note: Workmens Compensation not applicable over 40 hours/week

Workmens	8.510%
FICA	7.650%
FUTA	0.600%
SUI	2.000%
G.L & P.D.	5.000%

Rapid Pump & Meter Service Co., Inc.



Ph: 973.345.5600
 Fx: 973.345.0301
 www.rapid-service.com

285 Straight Street Paterson, NJ 07501
 Remit to: PO Box AY
 Paterson, NJ 07509

Customer Contact

Kim Wilson
 Contact Phone#
 (720) 286-2750 x

Service Report

Job Number
 RC40043
Customer PO#:
 SO340952.30

Customer Information

North Hudson Sewerage Authority
 P.O. Box 6607
 ENGLEWOOD, CO 80155
 (201) 963-6043 x

Location Information

Adams Street
 1600 Adams Street
 HOBOKEN, NJ 07030

Payment Terms: Net 10
 Priority: Standard
 Schedule Date: 7/16/2018
 Equip ID: RCE40061

Supervisor/Technician:

Required Work

Purac System Upgrade, Phase 3 Physical System Improvement, as per Contract.

Qty	Part or Description	Job Description
	600A-230P - 8	test #3 & 4 Recycler
	600A-230P - 8	Systems
	600A-230P - 8	
	600A-230P - 8	track new & 1/2 hr
	600A-1100A - 5	
		-Cont conduct work on air scum for 6-10
		-Cont work on wiring in MCC
		-Pull in 120v feeds for valves & Air Dryer

5 workers x 8 hours
 1 supervisor x 8 hours

Section -- MUST complete prior to commencement of work***

No initial
 All necessary PPE on-site & in good Condition Yes No initial
 Requirements: Lockout/Tagout Hotwork Permit Confined space Fall Protection
 Communicate with customer for on-site safety protocol

Date	Technician	Time In	Time Out
11/8/19	SKELLY	6:00	2:30
	MICKA	6:00	2:30
	PETER K	6:00	2:30
	KRIS K	6:00	2:30
	CHRIS K	6:00	2:30
	JASON C	6:00	2:30

Sheet # 264

Job Status

Field Incomplete
 Shop Complete

Printed 10/31/2019

Technician (PRINT NAME):

Date: 11/8/19

Received by (PRINT NAME):

Date:

Rapid Pump & Meter Service Co., Inc.



Ph: 973.345.5600
 Fx: 973.345.0301
 www.rapid-service.com

285 Straight Street Paterson, NJ 07501
 Remit to: PO Box AY
 Paterson, NJ 07509

Customer Contact

Kim Wilson
 Contact Phone#
 (720) 286-2750 x

Service Report

Job Number
 RC40043
Customer PO#:
 SO340952.30

Customer Information Location Information

North Hudson Sewerage Authority Adams Street
 P.O. Box 6607 1600 Adams Street
 ENGLEWOOD, CO 80155 HOBOKEN, NJ 07030
 (201) 963-6043 x

Payment Terms: Net 10
 Priority: Standard
 Schedule Date: 7/16/2018
 Equip ID: RCE40061

Supervisor/Technician:

Required Work

Purac System Upgrade, Phase 3 Physical System Improvement, as per Contract.

Qty	Part or Description	Job Description
		- Cont conduit work on compressors & tanks
		- Cont work on MCC room conduit & wiring
		- Shutdown of flow meter to raise conduit for pipe run to cells 6-10
	MIKE A	600 - 230 - 8 -
	Steve Kelly	600 - 415 8 - 1 1/2
	Jason C	600 270 8
	Chris C	600 270 8
	Karl R	600 230 8
	PETE H	600 230 8

5 workers x 8 hours
 1 supervisor x 9.75 hrs

MIKE A	600 - 230	- 8 -
Steve Kelly	600 - 415	8 - 1 1/2
Jason C	600 270	8
Chris C	600 270	8
Karl R	600 230	8
PETE H	600 230	8

Safety Section -- MUST complete prior to commencement of work

Hazard assessment completed Yes No initial All necessary PPE on-site & in good Condition Yes No initial

Check Applicable Safety Requirements: Lockout/Tagout Hotwork Permit Confined space Fall Protection

Communicate with customer for on-site safety protocol

Date	Technician	Time In	Time Out
11/6/19	Gary Mc JR	6 ⁰⁰ A	245P
	Gary Mc SR	6 ⁰⁰ A	245P
	ToDayne B	6 ⁰⁰ A	230P
	Dan M	6 ⁰⁰ A	230P
	Mike S	6 ⁰⁰ A	230P

Sheet # 262

Job Status

Field Incomplete
 Shop Complete

Printed 10/31/2019

Technician (PRINT NAME):

Date: 11/6/19

Received by (PRINT NAME):

Date:

REQUEST FOR QUOTATION

QUOTATION NO: PURAC-RFQ-04

TO: Rapid Pump & Meter Service Co., Inc. DATE: 9/11/2020

FROM: Shivani Patel, PE

PROJECT: NHSA PURAC System Upgrades, Phase 3 - Loan S340952-30

KEYWORD DESCRIPTION: Filter Cell Transmitters

DATE QUOTATION REQUIRED: 9/23/2020

The following modification to the contract has been identified. Pursuant to the General Conditions, please provide a quotation for the alteration as described in Item 1. The quotation should include an itemized breakdown of contractor and subcontractor costs, including labor, materials, rentals, approved services, overhead, and profit. This request shall not be considered authorization to proceed with the work herein described.

To be completed by Initiator of Request:

1. Scope of Work: (include list of attachments)

- 1. Furnish and install Qty. 10: Endress+Hauser Micropilot FMR51 radar-based level transmitters. One (1) for each DAF/Filter cell. Refer to attached quotation. Order one (1) transmitter with an expedited fabrication/ship schedule.
- 2. Furnish and install Qty. 10: Endress+Hauser Bluetooth modules (BT10), Model No. 71377355. Factory install one (1) BT10 module in each radar-based level transmitter. Refer to attached quotation.
- 3. Furnish and install Qty. 10: custom mounting brackets. Refer to attached Jacobs bracket design sketch and level transmitter dimensional drawings.
- 4. Provide manufacturer's representative's field startup, testing, and training for the new level instruments. Estimate the startup of 10 level instruments with be concurrent with training of plant operations and maintenance staff. Estimate (2.5) 10-hour days. Refer to attached manufacturer's representative's quotation. Provide shop drawing submittals for Engineer's review and approval, prior to purchase or manufacture.

2. Reason(s) for Modification: Owner Unforeseen Conditions(site, weather, etc) Other

The contract documents require the reuse of the existing level transmitters in the newly rehabilitated filter cells. However, the existing radar-based level transmitters don't work properly in the newly rehabilitated cells. Jacobs is not confident the existing instruments will be reliable for long-term filter operations. Therefore, we recommend their replacement with a new level-instrument with a more concentrated "beam angle" which will ensure the instrument works better in the rehabilitated cells and will also work with the agitated foam-filled water surface that occurs during backwash.

3. Approval of Request:

Owner: _____ Date: _____

Engineer: Shivani Patel, PE Date: 9/11/2020

To be completed by Contractor:

4. Total cost of modification (attach detailed breakdown) \$ 53,116.83

5. Will a modification to the contract time be required? Yes No

If so, trade(s) _____

No. of personnel _____

Duration _____ (calendar days)

6. Attachment identification: (list) Cost Breakdown, Equipment Specification, Design Sketch

7. Quotation is in effect until: (date) 10/23/20

8. Approval of Quotation _____

Contractor Steve Marsich, P.E. Date 9/23/20

Copy:



NHSA PURAC System Upgrades, Phase 3, Contract 4
WCD-03 - Filter Cell Level Transmitters

Description: WCD-03 - Filter Cell Level Transmitters

1. **Payroll Costs:**

	<u>Trade</u>	<u>Days</u>	<u>Rate</u>	<u>Total</u>
See page 2 of Proposal for breakdown				
Installation of Ten (10) brackets and transmitters		1	\$ 1,403.21	\$ 1,403.21
			\$ -	\$ -
Sub Total (Labor durations are estimated - actual hours/days may vary)				\$ 1,403.21

2. **Material & Permanent Equipment:**

PCS Pump and Process, Inc. - Ten (10) new level transmitters Model FMR51-AAACADBDA5RGJ	\$	38,610.00
W.H. Kassner, Inc. - Ten (10) new brackets per Jacobs direction		\$3,885.00
SUBTOTAL:		\$ 42,495.00

3. **Subcontractor Work:**

	<u>Price</u>	<u>Qty.</u>	
			\$ -
			\$ -
Sub Total			\$ -

4. **Special Consultants:**

	\$ -
	\$ -
	\$ -
	\$ -
Sub Total (Consultant durations are estimated - actual hours/days may vary)	\$ -

5. **Supplement Costs:**

a. Painting Equipment		\$ -
b. Welding Supplies		\$ -
c. Equipment Rentals:		\$ -
d. NA		\$ -
e. NA		\$ -
f. NA		\$ -
g. As-Builts		\$ -
h. Office Trailer Expenses		\$ -
i. Cad Design		\$ -
j. Bonds & Insurance Adjustment:		\$ -
SUBTOTAL:		\$ -

6. **Grand Total (Subtotal 1, Subtotal 2, Subtotal 4, Subtotal 5):**

\$ 43,898.21

Contract Decrease

7. **Contractor Credit**

\$ -

Net Contract Increase

8. **Direct Work Sub-Total (Increase 6 + Decrease 7)**

\$ 43,898.21

9. **Contractor's Overhead (10%):**

\$ 4,389.82

Contractor's Profit (10%):

\$ 4,828.80

10. **Subcontractor Total (Item 3 Subtotal)**

\$ -

11. **Subcontractor Markup (5% of Item 10 total)**

\$ -

12. **Bond Premium (0.8% x Lines 8,9):**

\$ -

13. **TOTAL INCREASE:**

\$ 53,116.83

LABOR BREAKDOWN

Labor

	<u>Men</u>	<u>Days</u>	<u>Hrs/Day</u>	<u>Total Hours</u>	<u>Rate</u>	<u>Amount</u>	<u>Total</u>
<u>Labor Services for installation of ten (10) brackets</u>							
<i>Laborer Rate for installation (2 hours per bracket)</i>							
	1	10	2	20	Laborer	\$ 70.16	\$ 1,403.21
					Subtotal		<u>\$ 1,403.21</u>
	0	0	0	0	Laborer	\$ 70.16	\$ -
					Subtotal		<u>\$ -</u>

NOTES:

Materials & Equipment

	<u>Unit</u>	<u>Qty</u>	<u>Each</u>	<u>Total</u>
See Summary Page				\$ -
TOTAL				\$ -

Trade Laborer Contract Begins 5/1/2018

	Straight Time		
1 Base Hourly wage	\$ 34.05		
2 Plus Vacation Pay			
3 Plus other taxable items			
4 Taxable base	\$ 34.05		
5 Plus Workmen's Compensation(8.51% of 4)	\$ 2.90	\$	73.98
6 Plus Fringe Benefits	\$ 28.02	\$	76.48
9 Subtotal	\$ 64.97	\$	2.50
10 Plus FICA(7.65% of 4)	\$ 2.60		
11 Plus FUTA(0.6% of 4)	\$ 0.20		
12 Plus SUI(2.0% of 4)	\$ 0.68		
13 Subtotal	\$ 68.46		
14 Plus G.L & P.D.(5.00% of 4)	\$ 1.70		
15 Total Labor Rate	\$ 70.16		

* Note: Workmens Compensation not applicable over 40 hours/week

Workmens	8.510%
FICA	7.650%
FUTA	0.600%
SUI	2.000%
G.L & P.D.	5.000%

Trade Electrician Contract Begins 12/8/2017

	Striaight Time
1 Base Hourly wage	\$ 41.84
2 Plus Vacation Pay	
3 Plus other taxable items	
4 Taxable base	\$ 41.84
5 Plus Workmen's Compensation(8.51% of 4)	\$ 3.56
6 Plus Fringe Benefits	\$ 21.97
9 Subtotal	\$ 67.37
10 Plus FICA(7.65% of 4)	\$ 3.20
11 Plus FUTA(0.6% of 4)	\$ 0.25
12 Plus SUI(2.0% of 4)	\$ 0.84
13 Subtotal	\$ 71.66
14 Plus G.L & P.D.(5.00% of 4)	\$ 2.09
15 Total Labor Rate	\$ 73.75

0

* Note: Workmens Compensation not applicable over 40 hours/week

Workmens	8.510%
FICA	7.650%
FUTA	0.600%
SUI	2.000%
G.L & P.D.	5.000%



Pump and Process, Inc.

41 Plymouth St., Fairfield, NJ 07004

Phone/Fax: (973) 575-7464

Sales@PCSPump.com

NY ESD Certified MBE

NY/NJ MSDC Certified MBE



January 3, 2020

Quote # 20191119-122MH r2

To: **Steven Marsich, Rapid Pump and Meter**
Subject: FMR51 Radar Level for tanks at North Hudson Sewerage Authority

PCS Pump & Process is pleased to offer the following equipment for your consideration.

One (1) Micropilot FMR51 (FMR51-AAACADBD5RGJ)

- Approval: Non-hazardous area
- Power Supply; Output: 2-wire; 4-20mA HART
- Display, Operation: SD02 4-line, push buttons + data backup function
- Housing: GT19 Dual compartment, plastic PBT
- Electrical Connection: Thread NPT1/2, IP66/68 NEMA4X/6P
- Antenna: Horn 100mm/4"
- Seal: FKM Viton GLT, -40...150oC/-40...302oF
- Process Connection: Thread ANSI MNPT1-1/2, 316L
- Estimated production time 5 days per EQI expedite order arranged 11/18/19
- Expedited shipping included.

Price \$ 3,366.63

Nine (9) Micropilot FMR51 (FMR51-AAACADBD5RGJ)

- Approval: Non-hazardous area
- Power Supply; Output: 2-wire; 4-20mA HART
- Display, Operation: SD02 4-line, push buttons + data backup function
- Housing: GT19 Dual compartment, plastic PBT
- Electrical Connection: Thread NPT1/2, IP66/68 NEMA4X/6P
- Antenna: Horn 100mm/4"
- Seal: FKM Viton GLT, -40...150oC/-40...302oF
- Process Connection: Thread ANSI MNPT1-1/2, 316L
- Estimated production time 11 days.
- Standard shipping included.

Price \$ 29,714.67

(10) Bluetooth module (BT10) (71377355)

- Module for wireless data communication.
- Usage: FMP50/FMP51/FMP52/FMP53/FMP54/FMP55/FMP56/FMP57, FMR50/FMR51/FMR52/FMR53/FMR54/FMR56/FMR57/FMR60/FMR62/FMR67.



Pump and Process, Inc.

41 Plymouth St., Fairfield, NJ 07004

Phone/Fax: (973) 575-7464

Sales@PCSPump.com

NY ESD Certified MBE

NY/NJ MSDC Certified MBE



- Standard shipping included

Price \$1,153.84

Field startup, testing, training

- Startup of ten instruments with concurrent testing and training of operators.
 - Estimated to take (2.5) 10-hour days at \$175/hr.
 - No more than 5 total visits to the site, at a minimum of a half-day per visit.
 - Technician hours include travel portal to portal, so one full day visit will have proportionally more total hours on site than two half day visits.

Price \$ 4,375.00

Total Price \$ 38,610.14

Notes/Exclusions:

- Service scheduled within 2 weeks of PO.
- Excludes install and mounting hardware.

Terms:

- Net 60 Days.
- Freight included as noted.

Let me know if you have any questions on the above proposal.

Regards,

Mason Hooten

PCS Pump & Process

Cell: 201-916-2208

Email: mhooten@PCSPump.com



QUOTATION

Fabricate Only Per Attached Diagram

10 pcs	C10 X 5.28 aluminum channel with two (2) 2" holes in web and painted with black asphaltum.
20 pcs	3 X 3 X 14 washer plates with one (1) 9/16" hole

Material delivered to job site.

LOT \$3,885.00 plus tax

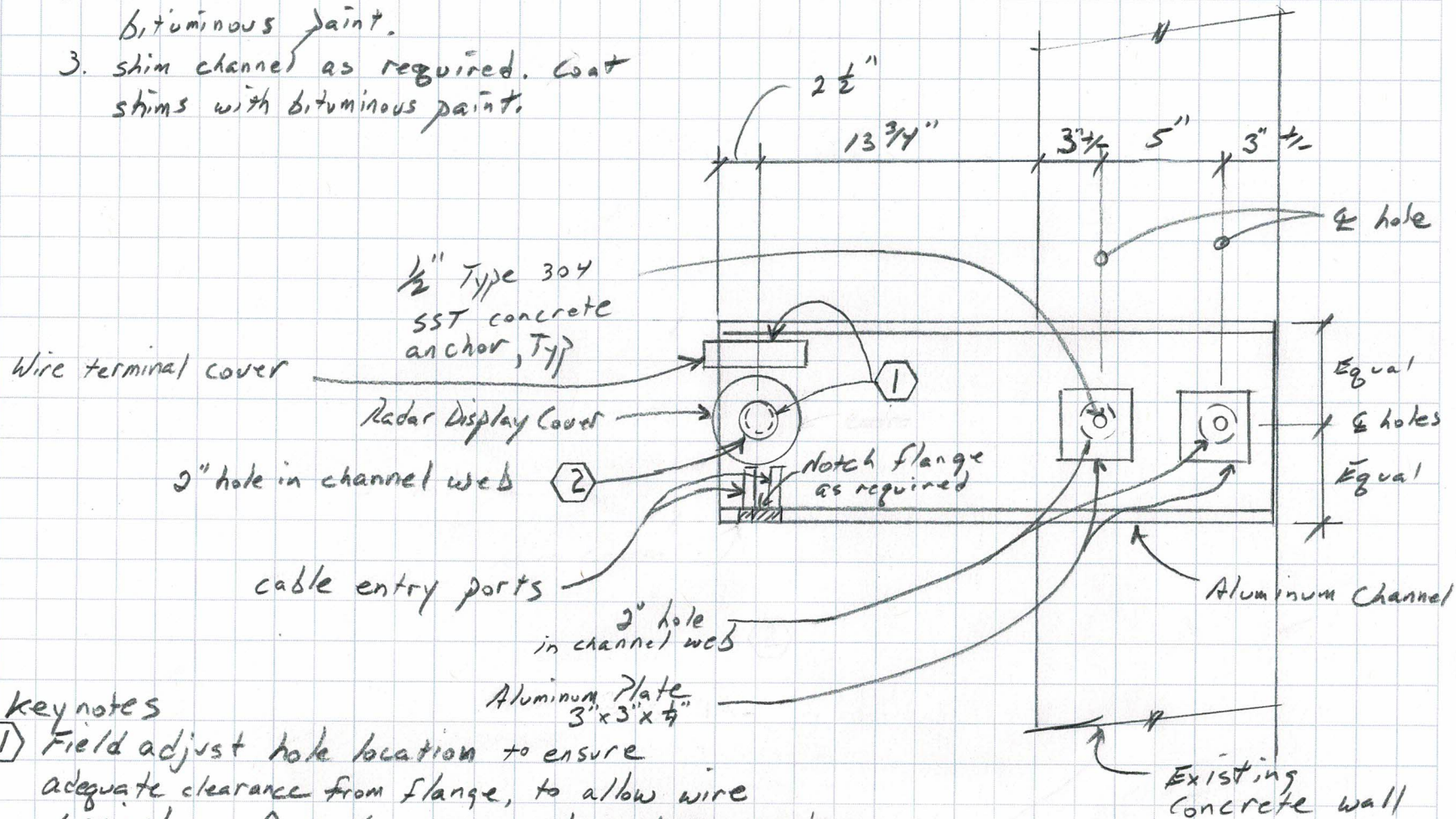
ERIC KASSNER, PROJECT CONSULTANT

OFFICE 845.786.5515 | **CELL** 914.447.4335

PRIVILEGED AND CONFIDENTIAL: This message and any attachments are confidential property of W.H. Kassner, Inc. The information is intended only for the use of the person to whom it was addressed. If you are not the intended addressee, you should not intercept, copy, access, or disclose this message. If you have received this message in error, please immediately notify the sender and delete the message you received. Do not forward this message without permission. The sender takes no responsibility for any unauthorized reliance on this message. Thank you. W.H. Kassner, Inc.

Notes

1. Aluminum Channel shall be C10 x 5.28, or equal. Flat side down, flanges up.
2. Coat aluminum surface in contact with concrete with bituminous paint.
3. Shim channel as required. Coat shims with bituminous paint.



key notes

- ① Field adjust hole location to ensure adequate clearance from flange, to allow wire terminal cover to be unscrewed and removed.
- ② Install 2" Myers hub in hole. Install 1.5" NPT radar stem into female end of Myers hub with reducer bushing. Field verify connection sizes and provide fittings as needed.

PLAN

REQUEST FOR QUOTATION

QUOTATION NO: PURAC-RFQ-05TO: Rapid Pump & Meter Service Co., Inc. DATE: 9/11/2020FROM: Shivani Patel, PEPROJECT: NHSA PURAC System Upgrades, Phase 3 - Loan S340952-30KEYWORD DESCRIPTION: High-Side Impulse TapsDATE QUOTATION REQUIRED: 9/23/2020

The following modification to the contract has been identified. Pursuant to the General Conditions, please provide a quotation for the alteration as described in Item 1. The quotation should include an itemized breakdown of contractor and subcontractor costs, including labor, materials, rentals, approved services, overhead, and profit. This request shall not be considered authorization to proceed with the work herein described.

To be completed by Initiator of Request:**1. Scope of Work: (include list of attachments)**

1. Furnish and install new taps on the Emergency Bypass pipes for Filter Cells #3 and #4 to be used for connecting the "High-Side" impulse lines of the newly installed filter cell differential pressure transmitters. Install the new taps on the vertical pipe run, below the invert elevation of the upper horizontal pipe run.
2. Remove and relocate the newly installed High-Side impulse piping. Install new pipe and fittings as required to achieve impulse line alignment.
3. Install plug in abandoned tap.

2. Reason(s) for Modification: Owner Unforeseen Conditions(site, weather, etc) Other

The contract documents required installation of new impulse line taps in the same general location of the existing (demolished) pressure transmitter impulse line taps. Upon startup of the new filter cells, it was discovered that the location of the tap introduces air in the impulse line during the filter backwash, which causes the transmitter not to work properly. We are relocating the taps for Cells #3 and #4 to an area of piping that will always be filled with water, even during a backwash.

3. Approval of Request:

Owner: _____ Date: _____

Engineer: Shivani Patel, PE Date: 9/11/2020**To be completed by Contractor:**4. Total cost of modification (attach detailed breakdown) \$ \$1,804.815. Will a modification to the contract time be required? Yes No

If so, trade(s) _____

No. of personnel _____

Duration _____ (calendar days)

6. Attachment identification: (list) Cost Breakdown Worksheets7. Quotation is in effect until: (date) 11/13/208. Approval of Quotation Steven Marsich, P.E. Contractor RPM Date 10/13/20

Copy:

NNSA PURAC System Upgrades, Phase 3, Contract 4
PCO Cost Breakdown
PCO-RFQ-05

Description: PCO Cost Breakdown - RFQ-05 - Impulse Taps Cells 3/4

1. Payroll Costs:

	<u>Trade</u>	<u>Hours</u>	<u>Rate</u>		<u>Total</u>
See page 2 of Proposal				\$	1,479.74
				\$	-
				\$	-
				\$	-
				SUBTOTAL:	\$ 1,479.74

2. Material & Permanent Equipment:
N/A

				\$	-
				SUBTOTAL:	\$ -

3. Subcontractor Work:

	Price	Qty.			
				\$	-
				\$	-
				\$	-
				\$	-
				SUBTOTAL:	\$ -

4. Supplement Costs:

a.	\$	-	
b.	\$	-	
c.	\$	-	
d.	\$	-	
e.	\$	-	
f.	\$	-	
g.	\$	-	
h.	\$	-	
i.	\$	-	
j.	\$	-	
		SUBTOTAL:	\$ -

5. Grand Total (Subtotal 1, Subtotal 2, Subtotal 4, Subtotal 5):

				\$	1,479.74
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Contract Decrease

6. Contractor Credit

				\$	-
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Net Contract Increase

7. Direct Work Sub-Total (Increase 5 + Decrease 6)

				\$	1,479.74
--	--	--	--	----	----------

8. Contractor's Overhead (10%):
Contractor's Profit (10%):

				\$	147.97
				\$	162.77

9. Subcontractor Total (Item 3 Subtotal)

				\$	-
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10. Subcontractor Markup (10% of Item 10 total)

				\$	-
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11. Bond Premium (0.8% x Lines 8,9):

				\$	14.32
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12 TOTAL INCREASE:

				\$	1,804.81
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NNSA PURAC System Upgrades, Phase 3, Contract 4
 PCO Cost Breakdown
 PCO-RFQ-05

Labor

	<u>Men</u>	<u>Days</u>	<u>Hrs/Day</u>	<u>Total Hours</u>	<u>Rate</u>	<u>Amount</u>	<u>Total</u>
<u>RPM Support Labor Services - RFQ-05 - Impulse Taps Cells 3/4</u>							
Straight Time							
Supervision	1	1	4	4	Millwright	\$ 89.29	\$ 357.18
Tap Installation	2	1	8	16	Laborer	\$ 70.16	\$ 1,122.56
TOTAL LABOR						\$	1,479.74

Materials & Equipment

	<u>Unit</u>	<u>Qty</u>	<u>Each</u>	<u>Total</u>
NONE				\$ -

TOTAL \$ -

REQUEST FOR QUOTATION

QUOTATION NO: PURAC-RFQ-06

TO: Rapid Pump & Meter Service Co., Inc. DATE: 9/11/2020

FROM: Shivani Patel, PE

PROJECT: NHSA PURAC System Upgrades, Phase 3 - Loan S340952-30

KEYWORD DESCRIPTION: Work Platform Modifications

DATE QUOTATION REQUIRED: 9/23/2020

The following modification to the contract has been identified. Pursuant to the General Conditions, please provide a quotation for the alteration as described in Item 1. The quotation should include an itemized breakdown of contractor and subcontractor costs, including labor, materials, rentals, approved services, overhead, and profit. This request shall not be considered authorization to proceed with the work herein described.

To be completed by Initiator of Request:

1. Scope of Work: (include list of attachments)

Furnish and install access platform:

- Steel platform with approximate dimensions of eighteen-foot by nine-foot 18'x9'.
- Install one (1) Fixed Ladder with Safety Cage.
- Install wall supports using epoxy anchors.
- Install galvanized grating

Furnish access platform in Cell #5:

- New Grating Panels - per updated platform layout RFI 049
- New Framing steel angles (4) x L3x3x3/8 – per attached New Layout
- Ladder extension and mods – per attached ladder modification detail

2. Reason(s) for Modification: Owner Unforeseen Conditions(site, weather, etc) Other

The access platform was required in Cell 6 however in the design was placed in Cell 5. The design has been modified for Cell 5 which resulted in a redesign of the platform grating and ladder to accommodate the existing vertical pipe in the area.

3. Approval of Request:

Owner: _____ Date: _____

Engineer: Shivani Patel, PE Date: 9/11/2020

To be completed by Contractor:

4. Total cost of modification (attach detailed breakdown) \$ \$12,260.80

5. Will a modification to the contract time be required? Yes No

If so, trade(s) _____

No. of personnel _____

Duration _____ (calendar days)

6. Attachment identification: (list) RFI, Cost Calculations, Quotes from Vendor

7. Quotation is in effect until: (date) 11/5/20

8. Approval of Quotation _____

Contractor RPM, Steven Marsich, P.E Date 10/5/20

Copy:





Request For Information/ RFI

RFI NO: 049

PROJECT: NHSA PURAC System Upgrades, Phase 3

PROJECT NO: S340952-30

CONTRACTOR: Rapid Pump & Meter Service Co., Inc. (Rapid)

RFI Initiated By: Steven Marsich, Rapid

Regarding: Plan Sheet 16 (S-3) of 132 Spec. Section:

Description:

Steel Platform

The Level 114 Steel Access Platform has been relocated as directed by Jacobs (moved west approximately 6 feet). The new location provides improved access to V-409E Backwash Supply Valve and V-410E Filter Effluent Valve for Cell 5.

Please note that, as agreed, the beam anchors on the south side are within 5" of the expansion joint.

As pictured below, the pre-cut aluminum grating will no longer accommodate the pipe penetrations, and the existing grating cuts will be open.

Please let us know how you would like us to proceed with the grating

Steven Marsich, P.E.

Prepared by

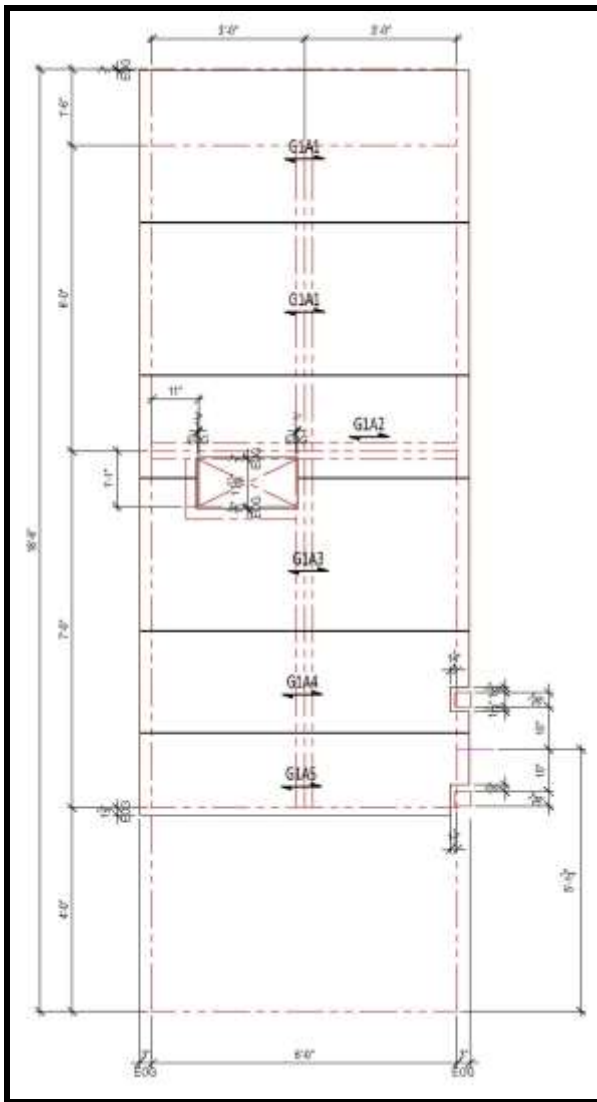
5/12/2020

Date

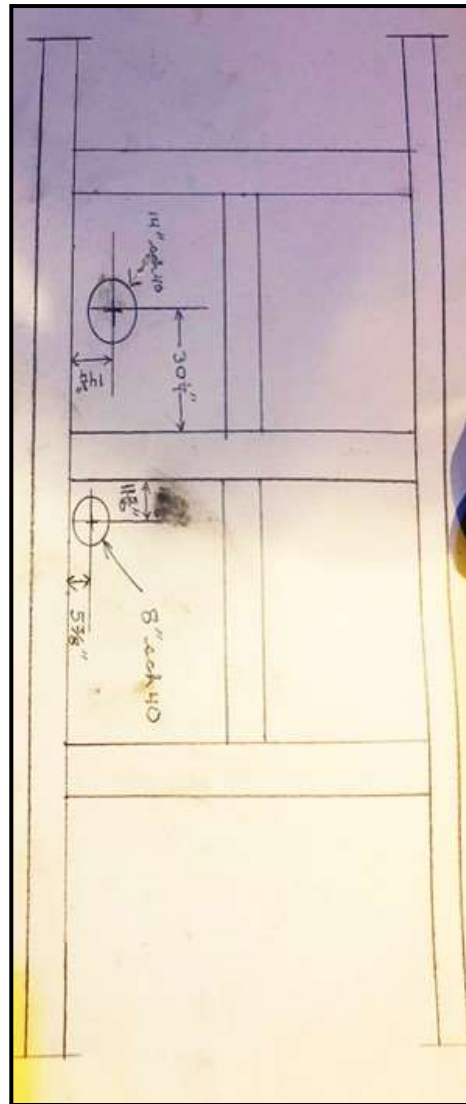
Response Assigned to:

Signed

Date



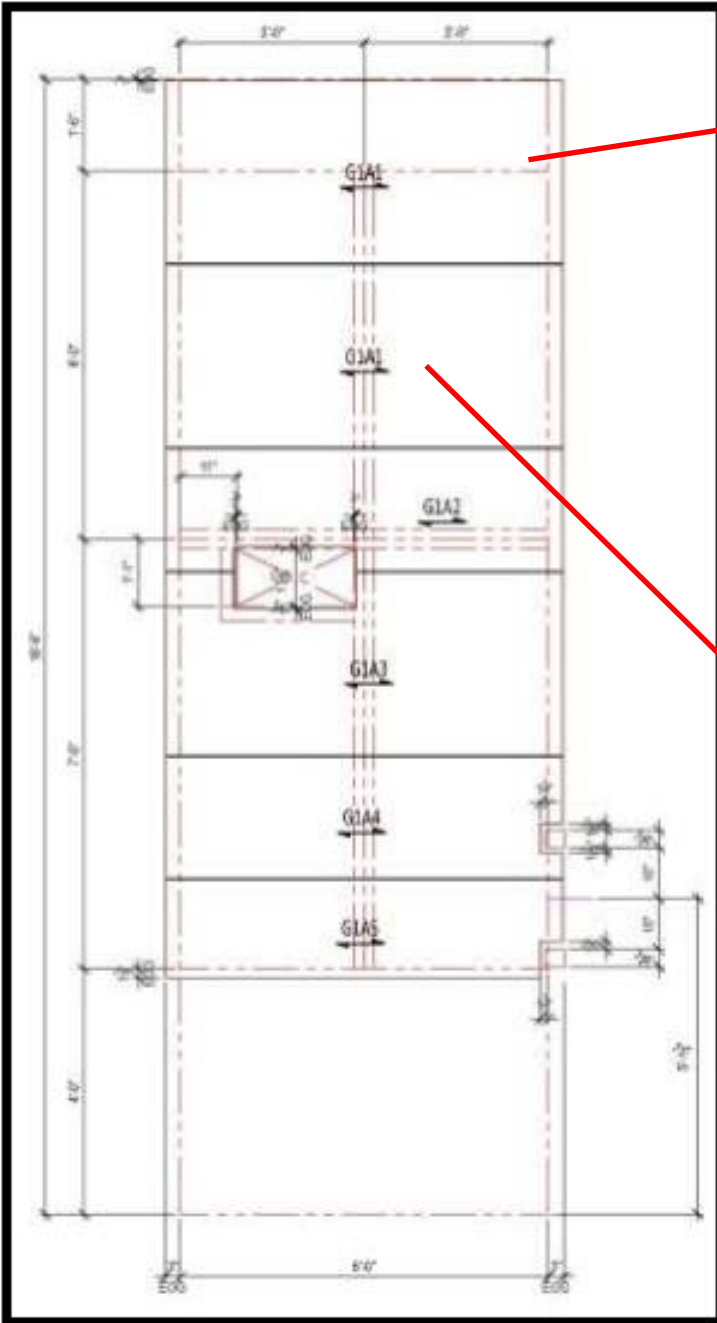
ORIGINAL LAYOUT



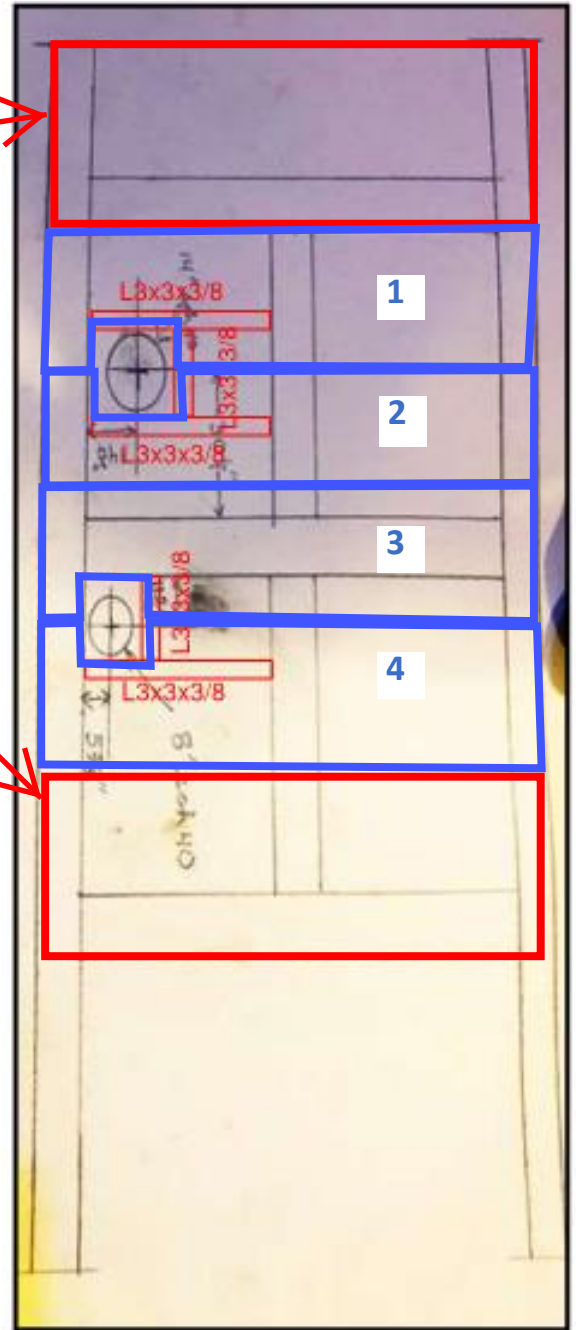
NEW LAYOUT



LAYOUT AS INSTALLED



ORIGINAL LAYOUT



NEW LAYOUT

NNSA PURAC System Upgrades, Phase 3, Contract 4
PCO Cost Breakdown
PCO-RFQ 06 - PLATFORM MODIFICATIONS

Description: PCO Cost Breakdown

1. Payroll Costs:

	<u>Trade</u>	<u>Hours</u>	<u>Rate</u>	<u>Total</u>
See page 2 of Proposal				\$ 1,479.74
				\$ -
				\$ -
				\$ -
SUBTOTAL:				\$ 1,479.74

2. Material & Permanent Equipment:

See Page 3 of Proposal				\$ -
SUBTOTAL:				\$ -

3. Subcontractor Work:

	Price	Qty.		
<u>KASSNER</u>				
Provide new grating	\$ 4,130	1		\$ 4,130.00
Provide new ladder SS AIS	\$ 5,300	1		\$ 5,300.00
SUBTOTAL:				\$ 9,430.00

4. Supplement Costs:

a.	\$ -			
b.	\$ -			
c.	\$ -			
d.	\$ -			
e.	\$ -			
f.	\$ -			
g.	\$ -			
h.	\$ -			
i.	\$ -			
j.	\$ -			
SUBTOTAL:				\$ -

5. Grand Total (Subtotal 1, Subtotal 2, Subtotal 4, Subtotal 5):

\$ 1,479.74

Contract Decrease

6. Contractor Credit

\$ -

Net Contract Increase

7. Direct Work Sub-Total (Increase 5 + Decrease 6)

\$ 1,479.74

8. Contractor's Overhead (10%):

\$ 147.97

Contractor's Profit (10%):

\$ 162.77

9. Subcontractor Total (Item 3 Subtotal)

\$ 9,430.00

10. Subcontractor Markup (10% of Item 10 total)

\$ 943.00

11. Bond Premium (0.8% x Lines 8,9):

\$ 97.31

12. TOTAL INCREASE:

\$ 12,260.80

LABOR/MATERIALS BREAKDOWN

Labor

	<u>Men</u>	<u>Days</u>	<u>Hrs/</u> <u>Day</u>	<u>Total</u> <u>Hours</u>	<u>Rate</u> <u>Category</u>	<u>Rate</u>	<u>Total</u>
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RPM Labor Services - RFQ 06 - Platform Modifications

Task - Modify/Weld Platform

Straight Time

Supervision	1	0.5	8	4	Millwright	\$ 89.29	\$ 357.18
Welding/Modfications	2	1	8	16	Laborer	\$ 70.16	\$ 1,122.56

TOTAL LABOR \$ 1,479.74

LABOR/MATERIALS BREAKDOWN

Materials & Equipment

	<u>Unit</u>	<u>Qty</u>	<u>Each</u>	<u>Total</u>
None				
TOTAL				\$ -

Trade Laborer Contract Begins 5/1/2018

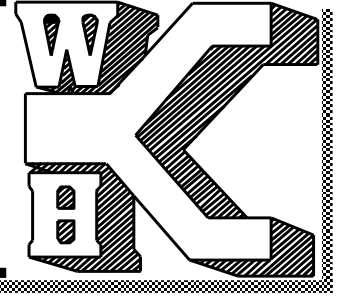
	Straight Time
1 Base Hourly wage	\$ 34.05
2 Plus Vacation Pay	
3 Plus other taxable items	
4 Taxable base	\$ 34.05
5 Plus Workmen's Compensation(8.51% of 4)	\$ 2.90
6 Plus Fringe Benefits	\$ 28.02
9 Subtotal	\$ 64.97
10 Plus FICA(7.65% of 4)	\$ 2.60
11 Plus FUTA(0.6% of 4)	\$ 0.20
12 Plus SUI(2.0% of 4)	\$ 0.68
13 Subtotal	\$ 68.46
14 Plus G.L & P.D.(5.00% of 4)	\$ 1.70
15 Total Labor Rate	\$ 70.16

* Note: Workmens Compensation not applicable over 40 hours/week

Workmens	8.510%
FICA	7.650%
FUTA	0.600%
SUI	2.000%
G.L & P.D.	5.000%

W.H. KASSNER, INC.

PO BOX 114
TOMKINS COVE, NY 10986
(845) 786-5515
(845) 786-2317 FAX



June 30, 2020

Proposal # WHK-NHRP-6-30-2020

Steven Marsich
Rapid Pump & Meter Co. Inc.
Machinery Services Corp.

North Hudson Sewerage Authority : PURAC : Rework Existing Platform

Addition to Scope per RFI 049 Furnish Only

Option 1 : Replace Grating

including 3" x 3" x 3/8" steel angle framing, mill finish
and railing modifications at ladder access

\$ 4,660.00 plus tax

Option 2 : Reuse (2) Existing Grating Sections Replace other sections

including 3" x 3" x 3/8" steel angle framing, mill finish
and railing modifications at ladder access

\$ 4,130.00 plus tax

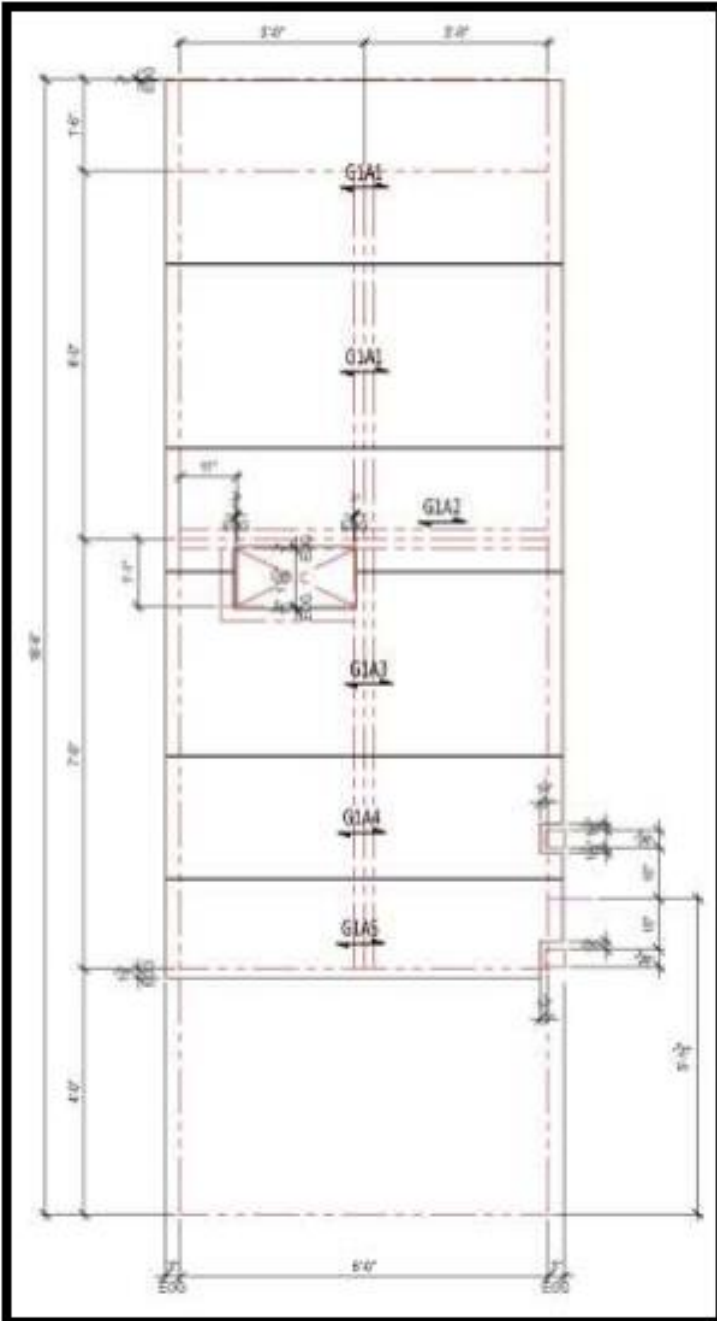
Notes :

- Shop drawings only.
No location drawings.
- No architect or engineer stamped drawings on any other items.
- Open shop fabrication.
- No installation.
No demo.
No concrete.
- Testing and inspections by others.
- WHK standard insurance. (Sample attached.)
- WHK is a certified WBE in New York State, New Jersey State and New York City.
WHK is a certified DBE with the US Department of Transportation via the Metropolitan Transit Authority.

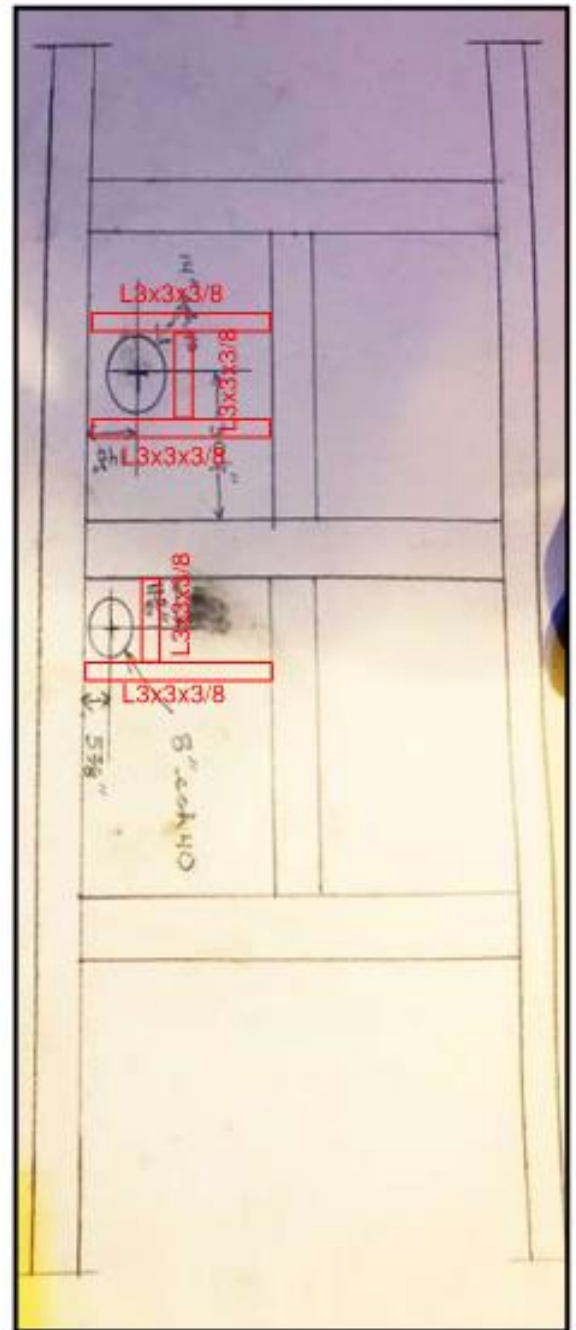
PAYMENT TO BE MADE AS FOLLOWS:

NET 30 DAYS . . . ABOVE PRICES NET TO YOU, PLUS STATE AND LOCAL TAXES, UNLESS OTHERWISE STATED. NAMING
ADDITIONAL INSURED ON CERTIFICATES WILL INCUR SUPPLEMENTARY CHARGES.
THIS PROPOSAL MAY BE WITHDRAWN BY US IF NOT ACCEPTED WITHIN 7 DAYS. ESCALATION FEES MAY APPLY.

Ellie Kassner



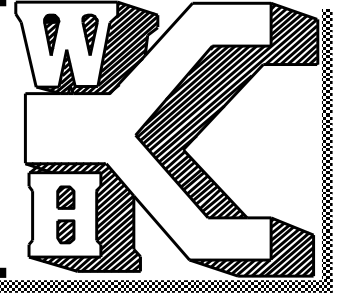
ORIGINAL LAYOUT



NEW LAYOUT

W.H. KASSNER, INC.

PO BOX 114
TOMKINS COVE, NY 10986
(845) 786-5515
(845) 786-2317 FAX



June 30, 2020

Proposal # WHK-NHRP-6-30-2020

Steven Marsich
Rapid Pump & Meter Co. Inc.
Machinery Services Corp.

North Hudson Sewerage Authority : PURAC : Rework Existing Platform

Addition to Scope per RFI 049 Furnish Only

Option 1 : Replace Grating

including 3" x 3" x 3/8" steel angle framing, mill finish
and railing modifications at ladder access

\$ 4,660.00 plus tax

Option 2 : Reuse (2) Existing Grating Sections Replace other sections

including 3" x 3" x 3/8" steel angle framing, mill finish
and railing modifications at ladder access

\$ 4,130.00 plus tax

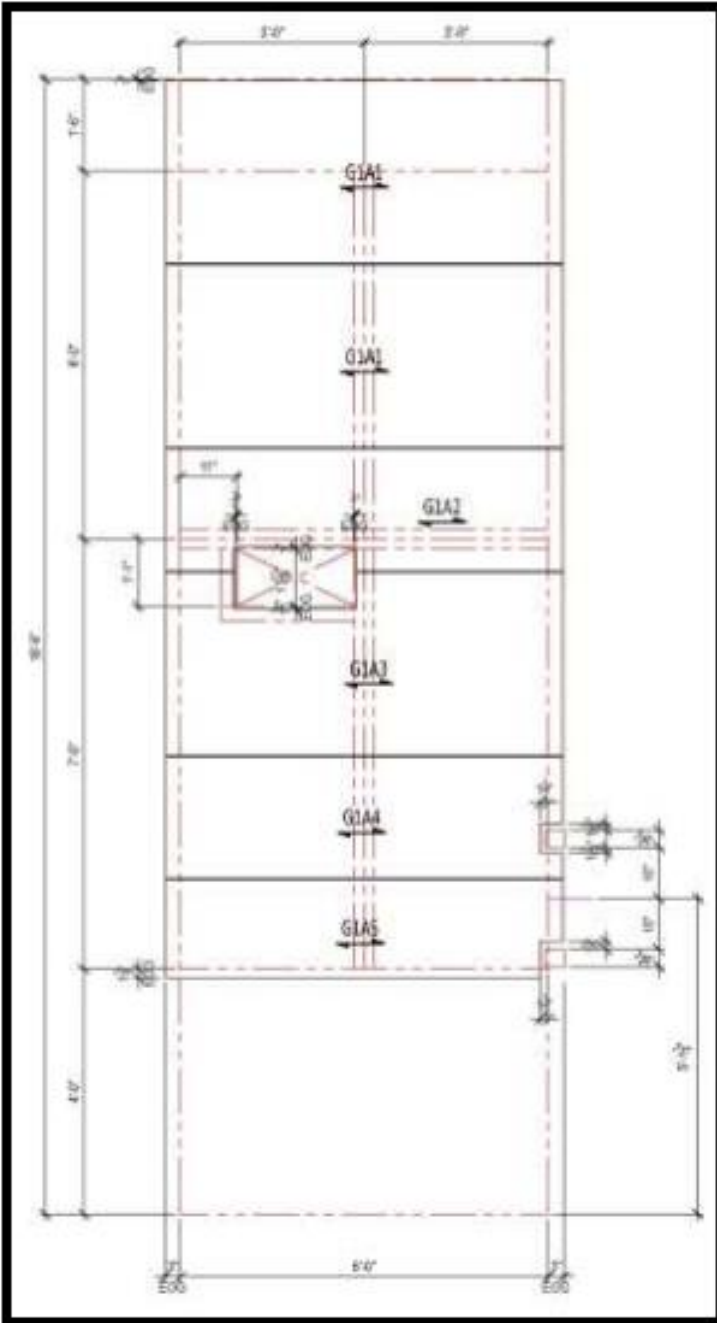
Notes :

- Shop drawings only.
No location drawings.
- No architect or engineer stamped drawings on any other items.
- Open shop fabrication.
- No installation.
No demo.
No concrete.
- Testing and inspections by others.
- WHK standard insurance. (Sample attached.)
- WHK is a certified WBE in New York State, New Jersey State and New York City.
WHK is a certified DBE with the US Department of Transportation via the Metropolitan Transit Authority.

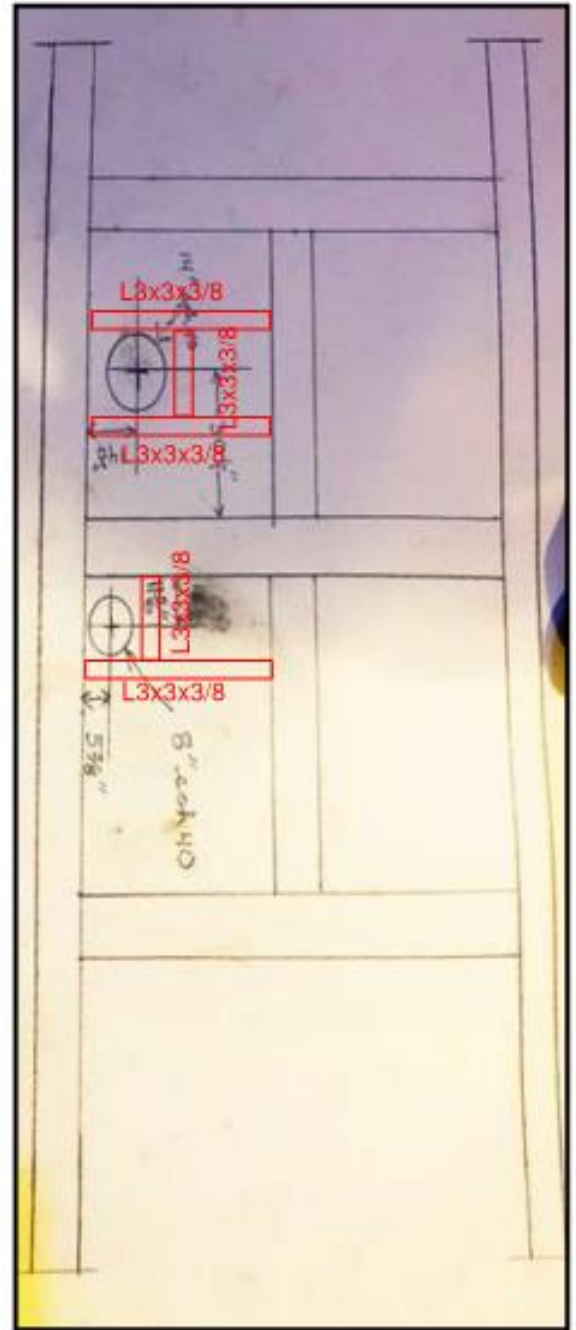
PAYMENT TO BE MADE AS FOLLOWS:

NET 30 DAYS . . . ABOVE PRICES NET TO YOU, PLUS STATE AND LOCAL TAXES, UNLESS OTHERWISE STATED. NAMING
ADDITIONAL INSURED ON CERTIFICATES WILL INCUR SUPPLEMENTARY CHARGES.
THIS PROPOSAL MAY BE WITHDRAWN BY US IF NOT ACCEPTED WITHIN 7 DAYS. ESCALATION FEES MAY APPLY.

Ellie Kassner



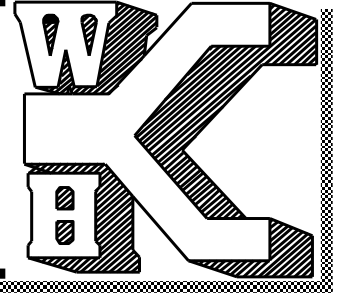
ORIGINAL LAYOUT



NEW LAYOUT

W.H. KASSNER, INC.

PO BOX 114
TOMKINS COVE, NY 10986
(845) 786-5515
(845) 786-2317 FAX



October 5, 2020

Proposal # WHK-NHPURAC-10-5-2020

Steve Marsich
Rapid Pump & Meter Co. Inc.
Machinery Services Corp.

Furnish Only

- (1) piece ladder extension, as per S. Marsich sketch
stainless steel, type 304, mill finish
rungs to be stainless steel, AlGrip

Lot : \$ 5,300.⁰⁰ plus tax

Notes :

- No concrete fastenings.
- No passivation.
- Shop drawings only.
No location drawings.
No field measurements.
- No engineering.
- Open shop fabrication.
- No installation.
No demo.
No concrete.
- Testing and inspections by others.
- WHK standard insurance.
- WHK standard AWS D1.1 Prequalified Welding Procedures only.
WHK existing welder certifications and continuity logs only.
Additional welding procedures or certifications will incur extra costs.
- W.H. Kassner, Inc. follows AISC practices but is not a certified AISC shop.
- WHK is a certified WBE in New York State, New Jersey State and New York City.
WHK is a certified DBE with the US Department of Transportation via the Metropolitan Transit Authority.

PAYMENT TO BE MADE AS FOLLOWS:

NET 30 DAYS . . . ABOVE PRICES NET TO YOU, PLUS STATE AND LOCAL TAXES, UNLESS OTHERWISE STATED. NAMING
ADDITIONAL INSURED ON CERTIFICATES WILL INCUR SUPPLEMENTARY CHARGES.
THIS PROPOSAL MAY BE WITHDRAWN BY US IF NOT ACCEPTED WITHIN 7 DAYS. ESCALATION FEES MAY APPLY.

Ellie Kassner



REQUEST FOR QUOTATION

QUOTATION NO: PURAC-RFQ-07

TO: Rapid Pump & Meter Service Co., Inc. DATE: 9/11/2020

FROM: Shivani Patel, PE

PROJECT: NHSA PURAC System Upgrades, Phase 3 - Loan S340952-30

KEYWORD DESCRIPTION: Air Compressor Circuit Breakers

DATE QUOTATION REQUIRED: 9/23/2020

The following modification to the contract has been identified. Pursuant to the General Conditions, please provide a quotation for the alteration as described in Item 1. The quotation should include an itemized breakdown of contractor and subcontractor costs, including labor, materials, rentals, approved services, overhead, and profit. This request shall not be considered authorization to proceed with the work herein described.

To be completed by Initiator of Request:

1. Scope of Work: (include list of attachments)

Replace the circuit breakers of four (4) air compressors.

2. Reason(s) for Modification: Owner Unforeseen Conditions(site, weather, etc) Other

The circuit breakers were undersized and there have been issues with the air compressors tripping on startup. Increasing the size of the circuit breaker is the low cost option.

3. Approval of Request:

Owner: _____ Date: _____

Engineer: Shivani Patel, PE Date: 9/11/2020

To be completed by Contractor:

4. Total cost of modification (attach detailed breakdown) \$ 9,684.26

5. Will a modification to the contract time be required? Yes No

If so, trade(s) _____


No. of personnel _____

Duration _____ (calendar days)

6. Attachment identification: (list) Cost Breakdown, Equipment Specification

7. Quotation is in effect until: (date) 10/23/20

8. Approval of Quotation _____

Contractor  Date 9/23/20

Copy:

NHSA PURAC System Upgrades, Phase 3, Contract 4
 Cost Breakdown
 Replace Four (4) Compressor
 Circuit Breakers

Description: Replace Four (4) Compressor Circuit Breakers

1.	Payroll Costs:					
	See page 2 of Proposal	<u>Trade</u>	<u>Hours</u>	<u>Rate</u>	<u>Total</u>	
					\$ 3,540.00	
					\$ -	
					\$ -	
					\$ -	
					SUBTOTAL:	\$ 3,540.00
2.	Material & Permanent Equipment:					
	See Page 2 of Proposal				\$ 4,400.00	
					SUBTOTAL:	\$ 4,400.00
3.	Subcontractor Work:		Price	Qty.		
		None				
					\$ -	
					\$ -	
					\$ -	
					\$ -	
					\$ -	
					\$ -	
					SUBTOTAL:	\$ -
4.	Supplement Costs:					
	a. None.				\$ -	
	b.				\$ -	
	c.				\$ -	
	d.				\$ -	
	e.				\$ -	
	f.				\$ -	
	g.				\$ -	
	h.				\$ -	
	i.				\$ -	
	j.				\$ -	
					SUBTOTAL:	\$ -
5.	Grand Total (Subtotal 1, Subtotal 2, Subtotal 4, Subtotal 5):				\$ 7,940.00	
	<u>Contract Decrease</u>					
6.	Contractor Credit				\$ -	
	<u>Net Contract Increase</u>					
7.	Direct Work Sub-Total (Increase 5 + Decrease 6)				\$ 7,940.00	
8.	Contractor's Overhead (10%):				\$ 794.00	
	Contractor's Profit (10%):				\$ 873.40	
9.	Subcontractor Total (Item 3 Subtotal)				\$ -	
10.	Subcontractor Markup (5% of Item 10 total)				\$ -	
11.	Bond Premium (0.8% x Lines 8,9):				\$ 76.86	
12.	TOTAL INCREASE:				\$ 9,684.26	

NHTSA PURAC System Upgrades, Phase 3, Contract 4
 Cost Breakdown
 Replace Four (4) Compressor
 Circuit Breakers

Labor

	<u>Men</u>	<u>Days</u>	<u>Hrs/Day</u>	<u>Total Hours</u>	<u>Rate</u>	<u>Amount</u>	<u>Total</u>
 <u>Labor</u>							
 <u>Electrical Labor</u>							
Electrician	2	2	8	32	Electrician (OT)	\$ 110.63	\$ 3,540.00
TOTAL LABOR							\$ 3,540.00

Materials & Equipment

	<u>Unit</u>	<u>Qty</u>	<u>Each</u>	<u>Total</u>
60A 3P 277V Bolt-On Circuit Breaker	1	4	\$ 1,100.00	\$ 4,400.00
TOTAL MATERIALS				\$ 4,400.00

Product data sheet

Characteristics

HJL36060U31X

Circuit breaker, PowerPact H, Micrologic 3.2, 60A, 3 pole, 600V, 25kA

Product availability : Non-Stock - Not normally stocked in distribution facility



Price** : 2,108.00 USD



Main

Product or component type	Circuit breaker
Range of product	PowerPact H
Trip Unit Type	Electronic, standard, Micrologic 3.2, LI
Breaking capacity code	J

Complementary

Line Rated Current	60 A
Number of Poles	3P
Interrupt Rating	100 kA 240 V AC 65 kA 480 V AC 25 kA 600 V AC
[Ue] rated operational voltage	600 V AC
Continuous current rating	80 %
Mounting mode	Unit mount
Electrical connection	Lugs load Lugs line
Wire Gauge	AWG 14...AWG 3/0 aluminium/copper
Maximum Height	6.4 in (162.56 mm)
Width	4.12 in (104.65 mm)
Depth	4.36 in (110.74 mm)
Tightening torque	44.25 lbf.in (5 N.m) 0.00...0.15 in ² (2.5...95 mm ²) AWG 14...AWG 3/0

Environment

Product certifications	CSA IEC CE CCC UL Listed
------------------------	--------------------------------------

Ambient air temperature for operation	104 °F (40 °C)
---------------------------------------	----------------

Ordering and shipping details

Category	01107 - H/J ELEC TRIP UNIT MOUNT BREAKER/SW
Discount Schedule	DE2
GTIN	00785901722892
Nbr. of units in pkg.	1
Package weight(Lbs)	5.8 lb(US) (2.63 kg)
Returnability	Yes
Country of origin	MX

Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
PVC free	Yes

Contractual warranty

Warranty	18 months
----------	-----------

REQUEST FOR QUOTATION

QUOTATION NO: PURAC-RFQ-02

TO: Rapid Pump & Meter Service Co., Inc. DATE: 9/1/2020

FROM: Shivani Patel, PE

PROJECT: NHSA PURAC System Upgrades, Phase 3 - Loan S340952-30

KEYWORD DESCRIPTION: Blower - Silencer

DATE QUOTATION REQUIRED: 9/11/2020

The following modification to the contract has been identified. Pursuant to the General Conditions, please provide a quotation for the alteration as described in Item 1. The quotation should include an itemized breakdown of contractor and subcontractor costs, including labor, materials, rentals, approved services, overhead, and profit. This request shall not be considered authorization to proceed with the work herein described.

To be completed by Initiator of Request:

1. Scope of Work: (include list of attachments)

Furnish and Install 2 Durr Universal Inlet Silencers Model Special RDY-12 (Inlet, CS EPA AIS) for the blowers. See attached communication with the manufacturer for material details and drawing for installation details.

2. Reason(s) for Modification: Owner Unforeseen Conditions(site, weather, etc) Other

To reduce noise from the blowers which was objectionable to the residents in the Shades Development

3. Approval of Request:

Owner: _____ Date: _____

Engineer: Shivani Patel, PE Date: 9/1/2020

To be completed by Contractor:

4. Total cost of modification (attach detailed breakdown) \$ 32,083.33

5. Will a modification to the contract time be required? Yes No

If so, trade(s) _____

No. of personnel _____

Duration _____ (calendar days)

6. Attachment identification: (list) RPM Detailed Cost Breakdown, Jacobs Design Dwgs

7. Quotation is in effect until: (date) 11/21/20

8. Approval of Quotation Steven Marsich, P.E.

Contractor RPM  Date 10/21/20

Copy:

NHS A PURAC System Upgrades, Phase 3, Contract 4
PCO Cost Breakdown
PCO-RFQ-02

Description: PCO Cost Breakdown - RFQ-02 - Blower Silencer Installation

1. Payroll Costs:		<u>Trade</u>	<u>Hours</u>	<u>Rate</u>		<u>Total</u>
	See page 2 of Proposal					\$ 4,904.89
						\$ -
						\$ -
						\$ -
					SUBTOTAL:	\$ 4,904.89
2. Material & Permanent Equipment:						
	See page 2 of Proposal					\$ 13,218.00
					SUBTOTAL:	\$ 13,218.00
3. Subcontractor Work:			Price	Qty.		
	Craft Weld (Inspection)	\$	1,500	1		\$ 1,500.00
	Alpine Painting (per specification)	\$	7,500	1		\$ 7,500.00
						\$ -
					SUBTOTAL:	\$ 9,000.00
4. Supplement Costs:						
	a.					\$ -
	b.					\$ -
	c.					\$ -
	d.					\$ -
	e.					\$ -
	f.					\$ -
	g.					\$ -
					SUBTOTAL:	\$ -
5. Grand Total (Subtotal 1, Subtotal 2, Subtotal 4, Subtotal 5):						\$ 18,122.89
	<u>Contract Decrease</u>					
6. Contractor Credit						\$ -
	<u>Net Contract Increase</u>					
7. Direct Work Sub-Total (Increase 5 + Decrease 6)						\$ 18,122.89
8. Contractor's Overhead (10%):						\$ 1,812.29
Contractor's Profit (10%):						\$ 1,993.52
9. Subcontractor Total (Item 3 Subtotal)						\$ 9,000.00
10. Subcontractor Markup (10% of Item 10 total)						\$ 900.00
11. Bond Premium (0.8% x Lines 8,9):						\$ 254.63
12. TOTAL INCREASE:						\$ 32,083.33

NHTSA PURAC System Upgrades, Phase 3, Contract 4
 PCO Cost Breakdown
 PCO-RFQ-02

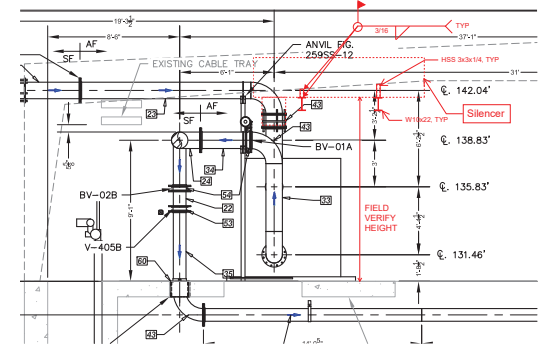
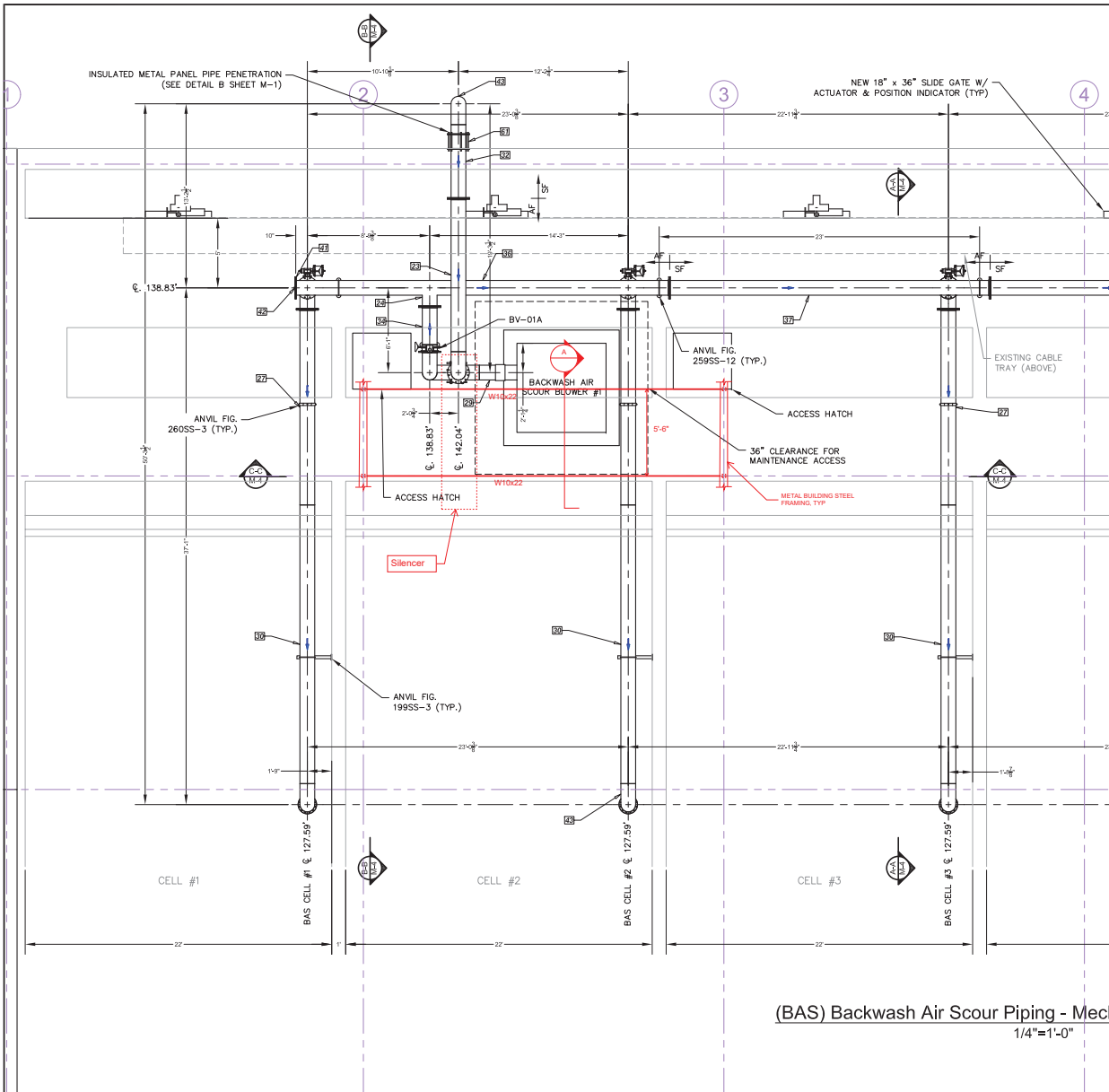
Labor

	<u>Men</u>	<u>Days</u>	<u>Hrs/Day</u>	<u>Total Hours</u>	<u>Rate</u>	<u>Amount</u>	<u>Total</u>
<u>RPM Support Labor Services - RFQ-02 - Blower Silencer Installation</u>							
Straight Time							
Supervision	1	2	2	4	Millwright	\$ 89.29	\$ 357.18
Beam/Silencer Installation	3	2	8	48	Laborer	\$ 70.16	\$ 3,367.69
Electrical Re-Routing	2	1	8	16	Electrician	\$ 73.75	\$ 1,180.02
TOTAL LABOR						\$	4,904.89

Materials & Equipment

	<u>Unit</u>	<u>Qty</u>	<u>Each</u>	<u>Total</u>
Silencers (Durr)	LS	2	\$ 4,684.00	\$ 9,368.00
Beams/Support (AIS/Kassner)	LS	1	\$ 3,850.00	\$ 3,850.00

TOTAL MATERIALS & EQUIPMENT \$ 13,218.00



SECTION A

(BAS) Backwash Air Scour Piping - Mechanical Layout Cells 1-5
1/4"=1'-0"

Rev. #	Date	Description

PROJECT: NHSC PURAC
 LOCATION: Adams Street, Hoboken NJ
 ENGINEER: CH2M



Ph: 973-345-5600 Fax: 973-345-1112
 PO Box 4Y Paterson, NJ 07509
 www.rapidrpservice.com

SCALE: 1/4"=1'-0"
 DRAWING: BA
 DATE: 2/14/19

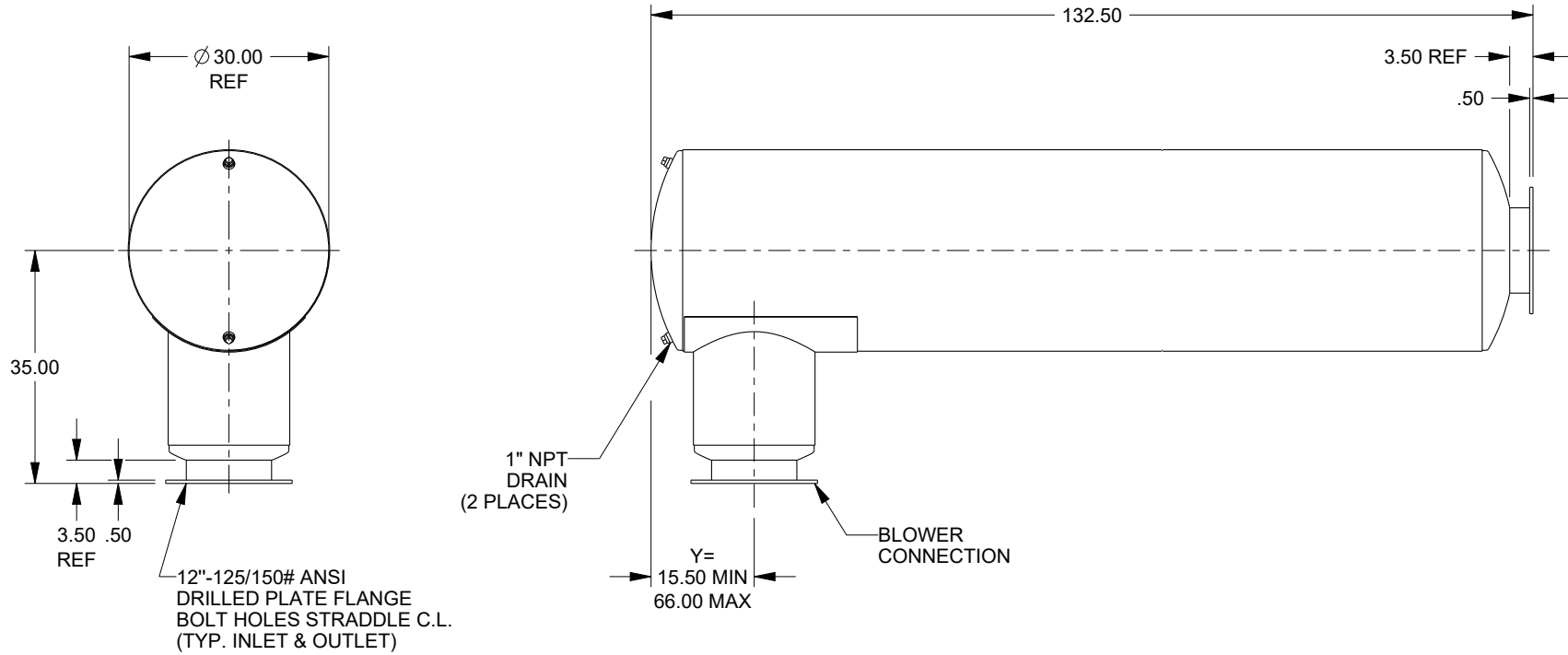
Drawing Title: BAS Mechanical Piping
 Cells 1 - 5 Layouts

Drawing Number: 300-WWTP-M-2

Rev. 6

REVISION RECORD

NO.	CHANGE DESCRIPTION	ECO	DRAWN	APPD




NOTES:

1. US ORIGIN MATERIAL.



QUOTE DRAWING - SUBJECT TO CHANGE

TOLERANCES UNLESS STATED - SEE FULL SPEC. 88-0075				© 2018 Durr Universal, Inc., Stoughton, WI (USA) - All Rights Reserved	 UNIVERSAL	MM NO. 1000040579	
(mm)	US customary (")	(mm)	US customary (")			DIR. VERSION:	
0-300	0-12	±1.6	±1/16			DESCRIPTION SPECIAL RDY-12 SILENCER	
>300-600	>12-24	±3	±1/8				
>600-900	>24-36	±5	±3/16				
>900-6000	>36-240	±6	±1/4				
>6000	>240	±12	±1/2				
DO NOT SCALE DRAWING				THIRD ANGLE PROJECTION INQUIRY NO:			
APPROX. WT.	873 LBS	MATERIAL	CS	NAME	DATE	SHEET	REV.
FINISH	88-0102 SHOP COAT PRIMER			DRAWN	ARK	07/22/2020	
				CHECKED			

INQ_10006799-50 1 OF 1 0



REQUEST FOR QUOTATION

QUOTATION NO: PURAC-RFQ-01

TO: Rapid Pump & Meter Service Co., Inc. DATE: 1/17/2020

FROM: John V. Tobia, PE

PROJECT: NHTSA PURAC System Upgrades, Phase 3 - Loan S340952

KEYWORD DESCRIPTION: 120V - Lockable Disconnect Switch Plate Covers - NEMA 3R

DATE QUOTATION REQUIRED: 1/31/2020

The following modification to the contract has been identified. Pursuant to the General Conditions, please provide a quotation for the alteration as described in Item 1. The quotation should include an itemized breakdown of contractor and subcontractor costs, including labor, materials, rentals, approved services, overhead, and profit. This request shall not be considered authorization to proceed with the work herein described.

To be completed by Initiator of Request:

1. Scope of Work: (include list of attachments)

Furnish Model: Appleton FSK-1VS, NEMA 3R lockable switch covers at locations of Solenoid Valve local 120VAC disconnect switches.

Provide cost break-down. Provide total expected quantity. Provide information on potential credit for not using the approved SST cover plates.

2. Reason(s) for Modification: [] Owner [] Unforeseen Conditions(site, weather, etc) [X] Other

Specified cover is not capable of being locked out/tagged out.

3. Approval of Request:

Owner: _____ Date: _____

Engineer: John V. Tobia, PE Date: 1/17/2020

To be completed by Contractor:

4. Total cost of modification (attach detailed breakdown) \$ 9,214.71

5. Will a modification to the contract time be required? [] Yes [X] No

If so, trade(s) _____

No. of personnel _____

Duration _____ (calendar days)

6. Attachment identification: (list) RPM Detailed Breakdown - Lockable Switch Covers - 6/15/20

7. Quotation is in effect until: (date) 7/15/20














8. Approval of Quotation Steven Marsich, P.E.

Contractor Steven Marsich, P.E. Date 7/15/20

Copy:

FS and FD Single Gang and Tandem Cast Hub Device Box Covers

Covers for Ridge Top Boxes.

	Description	Catalog Number	
		Malleable Iron	Aluminum
Cast Covers NEMA 3R Wet Locations — Furnished with gasket and stainless steel screws			
	Receptacle cover with spring cover. Hole Diameter — 1-7/16"	FSK-1VR	FSK-1VR-A
	For duplex flush receptacle with spring cover	FSK-1VDR	FSK-1VDR-A
For pilot lamp flush receptacles:			
	Red Jewel	FSK-1J-C	FSK-1-JCA
	Opal Jewel	FSK-1JOC	FSK-1JOCA
	Amber Jewel	FSK-1JAC	FSK-1JACA
	Green Jewel	FSK-1JGC	FSK-1JGCA
	For double push button switches	FSK-1PBS	—
	For external operation of tumbler switches with square handles	FSK-1VTS	FSK-1VTSA
	Operating type for square handle tumbler or toggle switches	FSK-1VS	FSK-1VS-A
	Rocker type for square handle tumbler or toggle flush switches	FSK-1V	FSK-1V-A
	Blank	FSK-1B-C *	FSK-1B-CA
Gasket — Replacement			
	Neoprene—for use with wet location covers	FS-GKR-1N	FS-GKR-1N
Cast Covers Dry Locations — Furnished with stainless steel screws less gasket			
	For standard 2 or 3 wire duplex receptacles	FSK-1DR-C	—
	For round flush receptacles Hole Dia. — 1-7/16"	FSK-1R-Z *	—
	For square handle toggle switches	FSK-1TS-C	—
	For square handle toggle switches; Has toggle guard	FSK-1TSG-C *	FSK-1TSG-CA

* PVC coating available on select covers. Add suffix -PVC to catalog number.

NNSA PURAC System Upgrades, Phase 3, Contract 4
 Cost Breakdown
 Install 152 Lockable Switch Covers

Description: Install 152 Lockable Switch Covers

1.	Payroll Costs:					
	See page 2 of Proposal	<u>Trade</u>	<u>Hours</u>	<u>Rate</u>	<u>Total</u>	
					\$	1,475.02
					\$	-
					\$	-
					\$	-
					SUBTOTAL:	\$ 1,475.02
2.	Material & Permanent Equipment:					
	See Page 3 of Proposal				\$	6,080.00
					SUBTOTAL:	\$ 6,080.00
3.	Subcontractor Work:		Price	Qty.		
		None			\$	-
					\$	-
					\$	-
					\$	-
					\$	-
					\$	-
					SUBTOTAL:	\$ -
4.	Supplement Costs:					
	a. None.				\$	-
	b.				\$	-
	c.				\$	-
	d.				\$	-
	e.				\$	-
	f.				\$	-
	g.				\$	-
	h.				\$	-
	i.				\$	-
	j.				\$	-
					SUBTOTAL:	\$ -
5.	Grand Total (Subtotal 1, Subtotal 2, Subtotal 4, Subtotal 5):				\$	7,555.02
	<u>Contract Decrease</u>					
6.	Contractor Credit				\$	-
	<u>Net Contract Increase</u>					
7.	Direct Work Sub-Total (Increase 5 + Decrease 6)				\$	7,555.02
8.	Contractor's Overhead (10%):				\$	755.50
	Contractor's Profit (10%):				\$	831.05
9.	Subcontractor Total (Item 3 Subtotal)				\$	-
10.	Subcontractor Markup (5% of Item 10 total)				\$	-
11.	Bond Premium (0.8% x Lines 8,9):				\$	73.13
12.	TOTAL INCREASE:				\$	9,214.71

LABOR AND MATERIAL
BREAKDOWN

Labor

Labor

	<u>Men</u>	<u>Days</u>	<u>Hrs/Day</u>	<u>Total Hours</u>	<u>Rate</u>	<u>Amount</u>	<u>Total</u>
<u>Electrical Labor</u>							
Electrician	1	2.5	8	20	Electrician (ST) \$ 73.75	\$ 1,475.02	
					TOTAL LABOR	\$ 1,475.02	



A Sonepar Company

COOPER ELECTRIC
 72 NORTH WASHINGTON AVENUE
 BERGENFIELD, NJ 07621-1700
 201-385-7777 Fax 201-385-4434

don.szabo@cooper-electric.com

QUOTE TO:
 RAPID PUMP & METER SERVICE CO INC
 PO BOX AY
 PATERSON, NJ 07509-0847
 973-345-5600

SHIP TO:
 RAPID PUMP & METER SERVICE CO
 285 STRAIGHT ST
 PATERSON, NJ 07509
 973-345-5600

Quotation

QUOTE DATE	QUOTE NUMBER
01/17/20	S039447568
PAGE NO.	
1 of 1	

CUSTOMER NUMBER	CUSTOMER ORDER NUMBER	JOB NAME	QUOTED TO		
214304	NORTH HUDSON SEWER	201.874.2687	SAM		
SALESPERSON	SHIP VIA	FREIGHT ALLOWED	EXPIRATION DATE		
DON SZABO	CDC-06	No	11:59pm ET 02/16/20		
ORDER QTY	UPC	DESCRIPTION	UNIT PRICE	U	EXT PRICE
152ea	78138134870	APP FSK-1VS 1G TGL COVER	40.000	e	6080.00

TERMS & CONDITIONS

This order is subject to Company Terms and Conditions of Sale, which provisions shall govern in the event of any conflict with any Terms or Conditions of Purchaser's proposal, purchase order or other documents. All quotes/bids for Pipe and Wire are good for the date of the bid only. No extension of the pricing of these items is authorized by any employee of the Company without express written consent in the form of an official letter or signed acknowledgement of an Officer of the Company.

Subtotal	6080.00
S&H CHGS	0.00
Sales Tax	0.00
Amount Due	6080.00

REQUEST FOR QUOTATION

QUOTATION NO: PURAC-RFQ-08TO: Rapid Pump & Meter Service Co., Inc.DATE: 9/25/2020FROM: Shivani Patel, PEPROJECT: NHSA PURAC System Upgrades, Phase 3 - Loan S340952-30KEYWORD DESCRIPTION: Cell 9 and 10 modsDATE QUOTATION REQUIRED: 10/7/2020

The following modification to the contract has been identified. Pursuant to the General Conditions, please provide a quotation for the alteration as described in Item 1. The quotation should include an itemized breakdown of contractor and subcontractor costs, including labor, materials, rentals, approved services, overhead, and profit. This request shall not be considered authorization to proceed with the work herein described.

To be completed by Initiator of Request:**1. Scope of Work: (include list of attachments)**

- 1) Remove (36) flights by removing the roller mounting bracket and chain link bracket.
- 2) Cut 1-1/2" off the gear motor side, of the flight for (36) flights.
- 3) Extend the cut notch accordingly in each flight.
- 4) Drill 4 x New Holes in each flight roller mounting bracket and chain-link bracket.
- 5) Freight and Handling. Dispatch all (36) x Flights to RPM's shop in Paterson, NJ. To expedite flight mods. As opposed to trimming and drilling on site.
- 6) Install and adjust (36) trimmed flights.

2. Reason(s) for Modification: Owner Unforeseen Conditions(site, weather, etc) Other

These modifications are for cell 9 and 10 skimmer flight lengths.

3. Approval of Request:

Owner: _____ Date: _____

Engineer: Shivani Patel, PE Date: 9/25/2020**To be completed by Contractor:**4. Total cost of modification (attach detailed breakdown) \$ 9,8005. Will a modification to the contract time be required? Yes No

If so, trade(s) _____

No. of personnel _____

Duration _____ (calendar days)

6. Attachment identification: (list) Email string 4/14/20-4/16/207. Quotation is in effect until: (date) 11/26/208. Approval of Quotation Steven Marsich, P.E.Contractor RPM  Date 10/26/20

Copy:

Steven Marsich

From: Teunis Cloete <teunisc@awcsolutions.com>
Sent: Thursday, April 16, 2020 8:25 AM
To: Steven Marsich; Davidovic, Dejan/NYC; Tobia, John/NJO
Cc: Ruth Roxburgh; Wilson, Mike/BOS; Allan; Thomas J. Kazalski; Neil Allen
Subject: Re: NHSA PURAC P3: - Cell 9 and 10: - Skimmer: - Flights Length

Please go ahead

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From: Steven Marsich <smarsich@servicer.com>
Sent: Thursday, April 16, 2020 5:56:43 AM
To: Davidovic, Dejan/NYC <dejan.davidovic@jacobs.com>; Teunis Cloete <teunisc@awcsolutions.com>; Tobia, John/NJO <john.tobia@jacobs.com>
Cc: Ruth Roxburgh <ruthr@awcsolutions.com>; Wilson, Mike/BOS <mike.wilson1@jacobs.com>; Allan <allan@totalmetalworks.com>; Thomas J. Kazalski <tjkazalski@cpequip.com>; Neil Allen <neila@awcsolutions.com>
Subject: RE: NHSA PURAC P3: - Cell 9 and 10: - Skimmer: - Flights Length

Dejan

As discussed, if we get the go ahead today we would like to:

- Prepare flights to bring to our office (there is still time today)
- Prepare one flight in the field to confirm that the fix will work. If AWC's representative would like to inspect the modification today to confirm that would be ideal

Please let us know when you get an update.

Thanks

SM

From: Steven Marsich
Sent: Wednesday, April 15, 2020 3:49 PM
To: Davidovic, Dejan/NYC <dejan.davidovic@jacobs.com>; Teunis Cloete <teunisc@awcsolutions.com>; Tobia, John/NJO <john.tobia@jacobs.com>
Cc: Ruth Roxburgh <ruthr@awcsolutions.com>; Wilson, Mike/BOS <mike.wilson1@jacobs.com>; Allan <allan@totalmetalworks.com>; Thomas J. Kazalski <tjkazalski@cpequip.com>; Neil Allen <neila@awcsolutions.com>
Subject: Re: NHSA PURAC P3: - Cell 9 and 10: - Skimmer: - Flights Length

Dejan

We intend to do the work at our shop which would avoid prevailing wage costs for labor.

Freight and Handling: \$2,700
Labor for Modifications: \$7,100

Total Lump Sum: \$9,800

Please let us know if you need additional details

SM

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From: Davidovic, Dejan/NYC <dejan.davidovic@jacobs.com>
Sent: Wednesday, April 15, 2020 3:33 PM
To: Teunis Cloete; Steven Marsich; Tobia, John/NJO
Cc: Ruth Roxburgh; Wilson, Mike/BOS; Allan; Thomas J. Kazalski; Neil Allen
Subject: RE: NHSA PURAC P3: - Cell 9 and 10: - Skimmer: - Flights Length

Teunis,

This is good news. Sounds like we are all on the same page. Rapid Pump should have a cost estimate ready for review by COB.

Thanks,

Dejan Davidovic,
Jacobs

Resident Engineer | North Hudson Sewerage Authority
[347.528.8703](tel:347.528.8703) mobile
201.795.1411 office
Dejan.davidovic@jacobs.com

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From: Teunis Cloete <teunisc@awcsolutions.com>
Sent: Wednesday, April 15, 2020 2:29 PM
To: Steven Marsich <smarsich@servicer.com>; Davidovic, Dejan/NYC <Dejan.Davidovic@jacobs.com>; Tobia, John/NJO <John.Tobia@jacobs.com>
Cc: Ruth Roxburgh <ruthr@awcsolutions.com>; Wilson, Mike/BOS <Mike.Wilson1@jacobs.com>; Allan <allan@totalmetalworks.com>; Thomas J. Kazalski <tjkazalski@cpequip.com>; Neil Allen <neila@awcsolutions.com>
Subject: [EXTERNAL] RE: NHSA PURAC P3: - Cell 9 and 10: - Skimmer: - Flights Length

Good morning folks.

I wanted to put in writing what the plan is for modification so we can do a proper estimate of the time and money it would take to rectify.

Included in original scope

1. Use a laser and shim and adjust the rails until they are parallel and straight to within 1/8" along the entire length of the cells. We would have expected this to be part of the original scope and the time spent straightening rails and getting them parallel should not be added as a charge back to AWC.

Additional scope

2. On the gear motor side, remove the roller mounting bracket and chain link bracket
3. Cut 1-1/2" off the gear motor side of the flight and extend the cut notch accordingly.
4. Drill new holes for the roller mounting bracket and chain link bracket as needed to adjust the overall flight length as needed to allow for a 1/8" gap between the wheel alignment shoulder and the edge of the rails on both ends (total 1/4" shorter than rail edge to edge distance).

5. On the opposite sides to the gear motor, move the sprocket location on both drive shaft and idler shaft to accommodate the existing location for the chain link bracket. We anticipate this will equate to a 5/8" move of both sprockets towards the center of the cell.
6. Verify overall roller shoulder to shoulder length requirements and reassemble the gear motor side roller mounting bracket and chain link bracket to match.
7. Redline drawing to reflect all changes made to the supplied equipment to make it work / fit.

Tom mentioned that RP believes they can save time and money by moving all the flights to their shop and applying the modifications there. AWC would like to use every opportunity to minimize the cost and we would be fine with the work happening at RP shop provided the cost savings considers all costs including lifting, transport, tooling etc.

Please review and let me know if you agree with the scope. Then RP can estimate the cost for approval prior to doing the work.

Thank you.

Teunis Cloete, P.Eng. , *Senior Engineer*

C 403 970 4060 | www.awcsolutions.com

From: Steven Marsich <smarsich@servicer.com>

Sent: April 15, 2020 8:55 AM

To: Davidovic, Dejan/NYC <dejan.davidovic@jacobs.com>; Teunis Cloete <teunisc@awcsolutions.com>; Tobia, John/NJO <john.tobia@jacobs.com>

Cc: Ruth Roxburgh <ruthr@awcsolutions.com>; Wilson, Mike/BOS <mike.wilson1@jacobs.com>; Allan <allan@totalmetalworks.com>; Thomas J. Kazalski <tjkazalski@cpequip.com>

Subject: Re: NHSA PURAC P3: - Cell 9 and 10: - Skimmer: - Flights Length

Dejan, Teunis

We think we need an additional six holes (or slots) for the flight bracket plus one more for skirtboard backing plate

SM

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From: Davidovic, Dejan/NYC <dejan.davidovic@jacobs.com>

Sent: Wednesday, April 15, 2020 11:12 AM

To: Teunis Cloete; Steven Marsich; Tobia, John/NJO

Cc: Ruth Roxburgh; Wilson, Mike/BOS; Allan; Thomas J. Kazalski

Subject: RE: NHSA PURAC P3: - Cell 9 and 10: - Skimmer: - Flights Length

Teunis,

See below in red.

Dejan Davidovic,
Jacobs

Resident Engineer | North Hudson Sewerage Authority

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From: Teunis Cloete <teunisc@awcsolutions.com>
Sent: Wednesday, April 15, 2020 11:07 AM
To: Davidovic, Dejan/NYC <Dejan.Davidovic@jacobs.com>; Steven Marsich <smarsich@servicer.com>; Tobia, John/NJO <John.Tobia@jacobs.com>
Cc: Ruth Roxburgh <ruthr@awcsolutions.com>; Wilson, Mike/BOS <Mike.Wilson1@jacobs.com>; Allan <allan@totalmetalworks.com>; Thomas J. Kazalski <tjkazalski@cpequip.com>
Subject: [EXTERNAL] RE: NHSA PURAC P3: - Cell 9 and 10: - Skimmer: - Flights Length

Hi Dejan

I don't want to churn on this too much.

Please provide a verification of the following:

1. Are the dimensions provided on the RFI correct?
Yes.
2. Are the dimensions reflective of the narrowest point of the cells, or do the cells narrow along the length? If so, by how much?
Narrowest point
3. Can we get an estimate of the cost for cutting one end of each flight (by roughly 2") and drilling 4 new holes? The end trucks are slotted, so the flight just requires holes, not slots.
Yes. Do you need cost estimate for both Cells 9 and 10 or just cell 10?

Thank you for your patience.

Teunis Cloete, P.Eng. , *Senior Engineer*
C 403 970 4060 | www.awcsolutions.com

From: Davidovic, Dejan/NYC <Dejan.Davidovic@jacobs.com>
Sent: April 15, 2020 6:33 AM
To: Teunis Cloete <teunisc@awcsolutions.com>; Steven Marsich <smarsich@servicer.com>; Tobia, John/NJO <John.Tobia@jacobs.com>
Cc: Ruth Roxburgh <ruthr@awcsolutions.com>; Wilson, Mike/BOS <Mike.Wilson1@jacobs.com>; Allan <allan@totalmetalworks.com>
Subject: RE: NHSA PURAC P3: - Cell 9 and 10: - Skimmer: - Flights Length

Teunis,

Please see attached e-mail. Does the attached RFI 033 wall to wall dimension match your Cell 9 & 10 field measurements taken last year while on site redesigning Cells 3 and 4?

Also, RPM checked cells 3 and 4 flights, they appear to be a different design, and length when compared with Cells 9 and 10.

Thanks,

Dejan Davidovic,
Jacobs

Resident Engineer | North Hudson Sewerage Authority
[347.528.8703](tel:347.528.8703) mobile

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Dejan.davidovic@jacobs.com

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From: Teunis Cloete <teunisc@awcsolutions.com>
Sent: Wednesday, April 15, 2020 9:25 AM
To: Davidovic, Dejan/NYC <Dejan.Davidovic@jacobs.com>; Steven Marsich <smarsich@servicer.com>; Tobia, John/NJO <John.Tobia@jacobs.com>
Cc: Ruth Roxburgh <ruthr@awcsolutions.com>; Wilson, Mike/BOS <Mike.Wilson1@jacobs.com>; Allan <allan@totalmetalworks.com>
Subject: [EXTERNAL] Re: NHA PURAC P3: - Cell 9 and 10: - Skimmer: - Flights Length

Please confirm the wall to wall dimension. It seems strange given the table you provided yesterday.

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From: Davidovic, Dejan/NYC <Dejan.Davidovic@jacobs.com>
Sent: Wednesday, April 15, 2020 7:22:08 AM
To: Teunis Cloete <teunisc@awcsolutions.com>; Steven Marsich <smarsich@servicer.com>; Tobia, John/NJO <John.Tobia@jacobs.com>
Cc: Ruth Roxburgh <ruthr@awcsolutions.com>; Wilson, Mike/BOS <Mike.Wilson1@jacobs.com>; Allan <allan@totalmetalworks.com>
Subject: RE: NHA PURAC P3: - Cell 9 and 10: - Skimmer: - Flights Length

Teunis,

Agreed, it appears from attached pictures that all (18) flights for Cell 10 will have to be cut back/shortened. See attached pictures of the flight in cell 10.

Please, note that all shims behind the rail support brackets will be re-installed once the flight modifications are implemented. So, flights don't have conflict with the take-ups on the North end of cell.

Not sure if it helps, but Steve Kelly of RPM is available for a call if you require.

Thanks,

Dejan Davidovic,
Jacobs

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-----Original Message-----

From: Teunis Cloete <teunisc@awcsolutions.com>
Sent: Tuesday, April 14, 2020 5:35 PM
To: Davidovic, Dejan/NYC <Dejan.Davidovic@jacobs.com>; Steven Marsich <smarsich@servicer.com>; Tobia, John/NJO <John.Tobia@jacobs.com>

Cc: Ruth Roxburgh <ruthr@awcsolutions.com>; Wilson, Mike/BOS <Mike.Wilson1@jacobs.com>; Allan <allan@totalmetalworks.com>

Subject: [EXTERNAL] RE: NHSA PURAC P3: - Cell 9 and 10: - Skimmer: - Flights Length

Hi Dejan.

From the information Steve provided, the flights will not fit. We need to get a good understanding of our options which is why I looped in Allan to help us determine a path forward.

Teunis Cloete, P.Eng. , Senior Engineer P 604 936 4217 ext 521 |

[https://urldefense.com/v3/_http://www.awcsolutions.com_!!B5cixuoO7ltTeg!XIP3sWCIETFLzV000eFKlwwPcCHfcN25EEKzPmfkejgYw8g59USKfII7Z0wYj-Rmtjsacw\\$](https://urldefense.com/v3/_http://www.awcsolutions.com_!!B5cixuoO7ltTeg!XIP3sWCIETFLzV000eFKlwwPcCHfcN25EEKzPmfkejgYw8g59USKfII7Z0wYj-Rmtjsacw$)

-----Original Message-----

From: Davidovic, Dejan/NYC <Dejan.Davidovic@jacobs.com>

Sent: April 14, 2020 2:19 PM

To: Steven Marsich <smarsich@servicer.com>; Teunis Cloete <teunisc@awcsolutions.com>; Tobia, John/NJO <John.Tobia@jacobs.com>

Cc: Ruth Roxburgh <ruthr@awcsolutions.com>; Wilson, Mike/BOS <Mike.Wilson1@jacobs.com>

Subject: RE: NHSA PURAC P3: - Cell 9 and 10: - Skimmer: - Flights Length

- Steve,

It appears we have very similar measurements. Thank you for the confirmation/update. Lets install a few flights tomorrow and see what the issues are.

- Teunis,

Can you confirm if below measurements of flights are acceptable and as per design?

Thanks,

Dejan Davidovic,
Jacobs

Resident Engineer | North Hudson Sewerage Authority

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<http://www.jacobs.com>

-----Original Message-----

From: Steven Marsich <smarsich@servicer.com>

Sent: Tuesday, April 14, 2020 5:08 PM

To: Davidovic, Dejan/NYC <Dejan.Davidovic@jacobs.com>; Teunis Cloete <teunisc@awcsolutions.com>; Tobia, John/NJO <John.Tobia@jacobs.com>

Cc: Ruth Roxburgh <ruthr@awcsolutions.com>; Wilson, Mike/BOS <Mike.Wilson1@jacobs.com>

Subject: [EXTERNAL] RE: NHSA PURAC P3: - Cell 9 and 10: - Skimmer: - Flights Length

Dejan

The critical dimension is how the flight fits on the rails. There is a larger wheel on the flight that butts up against the inside of the rails. I attached a picture of Cell 3 for reference.

The critical dimension on the rail is the distance between the outside of the larger wheels which is 256 5/8"

The critical dimension in cell is the distance between the inside of the rails = 256 1/8"

Note that these measurements were taken with the rail fully collapsed (it is adjustable in length), and with all shims removed from the rails. If we put the flight in the cell the large wheel will ride on top of the rail as it is 1/2" to long even with all possible adjustments made.

Let me know if this is clear.

Thanks

SM

-----Original Message-----

From: Davidovic, Dejan/NYC [<mailto:Dejan.Davidovic@jacobs.com>]

Sent: Tuesday, April 14, 2020 4:40 PM

To: Steven Marsich <smarsich@servicer.com>; Teunis Cloete <teunisc@awcsolutions.com>; Tobia, John/NJO <John.Tobia@jacobs.com>

Cc: Ruth Roxburgh <ruthr@awcsolutions.com>; Wilson, Mike/BOS <Mike.Wilson1@jacobs.com>

Subject: NHSA PURAC P3: - Cell 9 and 10: - Skimmer: - Flights Length

Steve,

Just taken some measurements of new flights - Cell 9 and 10. It appears they are good to go. Cell 9 and 10 flights are not exactly the same length. Approximately at 21'-2" long for each cell. Which is less than approximate 22-ft cell width opening. (In addition it allows for wiper clearance.) See attached pictures.

Per attached pictures and RFI 033 Response from back in June of 2019, the new flights should be good to go. (My only concern is the South side of the Cell where it is narrower than the North side of the cell.)

Let's install a few flights tomorrow if at all possible.

Can you share your measurements of skimmer flight lengths taken earlier?

Thanks,

Dejan Davidovic,
Jacobs

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-----Original Message-----

From: Steven Marsich <smarsich@servicer.com>

Sent: Tuesday, April 14, 2020 2:42 PM

To: Teunis Cloete <teunisc@awcsolutions.com>; Davidovic, Dejan/NYC <Dejan.Davidovic@jacobs.com>; Tobia, John/NJO

<John.Tobia@jacobs.com>

Cc: Ruth Roxburgh <ruthr@awcsolutions.com>

Subject: [EXTERNAL] RE: PRO#4642 AWC North Hudson shipment info

Teunis

Can you confirm all the measurements you are using for the cells? We would like to confirm again in the field just to make sure.

Thanks

SM

-----Original Message-----

From: Teunis Cloete [<mailto:teunisc@awcsolutions.com>]

Sent: Tuesday, April 14, 2020 10:27 AM

To: Davidovic, Dejan/NYC <Dejan.Davidovic@jacobs.com>; Tobia, John/NJO <John.Tobia@jacobs.com>

Cc: Ruth Roxburgh <ruthr@awcsolutions.com>; Steven Marsich <smarsich@servicer.com>

Subject: RE: PRO#4642 AWC North Hudson shipment info

Hi Folks

I received a request from our flight fabricator asking which cells are next.

They are planning to ship the next three cells before the end of the month, but want to set the width based on measurements they took while at site.

Please let me know ASAP. This should reduce work at site.

Teunis Cloete, P.Eng. , Senior Engineer P 604 936 4217 ext 521 |

[https://urldefense.com/v3/http://www.awcsolutions.com;!!B5cixuoO7ltTeg!Sg-jRNr8g1vvyDlyUOz8gDtRo5twGfnAxaQ1sDn8mebwXNtDaMyewXPmfAUK1ao0w1Db7w\\$](https://urldefense.com/v3/http://www.awcsolutions.com;!!B5cixuoO7ltTeg!Sg-jRNr8g1vvyDlyUOz8gDtRo5twGfnAxaQ1sDn8mebwXNtDaMyewXPmfAUK1ao0w1Db7w$) -----Original Message-----

From: Davidovic, Dejan/NYC <Dejan.Davidovic@jacobs.com>

Sent: April 14, 2020 7:14 AM

To: Teunis Cloete <teunisc@awcsolutions.com>; Tobia, John/NJO <John.Tobia@jacobs.com>

Cc: Ruth Roxburgh <ruthr@awcsolutions.com>; Steven Marsich <smarsich@servicer.com>

Subject: RE: PRO#4642 AWC North Hudson shipment info

Thank you Teunis.

Any updates on the delivery date of remaining (3) underdrain LP-Block pallets?

Dejan Davidovic,
Jacobs

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<http://www.jacobs.com>

-----Original Message-----

From: Teunis Cloete <teunisc@awcsolutions.com>

Sent: Tuesday, April 14, 2020 10:09 AM

To: Davidovic, Dejan/NYC <Dejan.Davidovic@jacobs.com>; Tobia, John/NJO <John.Tobia@jacobs.com>
Cc: Ruth Roxburgh <ruthr@awcsolutions.com>; Steven Marsich <smarsich@servicer.com>
Subject: [EXTERNAL] FW: PRO#4642 AWC North Hudson shipment info

FYI.

The remaining drop pipes are scheduled to arrive tomorrow morning.

The packing list was sent before, but essentially there are 4 spool pieces per cell for 6 cells.

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