

CHANGE ORDER APPROVAL FORM

PROJECT: Part A - Lift Station No. 1 + Part B - Lift Station No. 3
West Nassau Landfill Flare Station Blower System Replacement CHANGE ORDER: 1

Replacement Projects DATE: 11/04/16

CONTRACT NUMBER: CM2301

TO CONTRACTOR: Rowell Contracting, Inc.

Reason for Change Order: Additional items requested by the County for ease of maintenance: 10" Force Main Extension at Lift Station 1, Manhole Ring and Cover Adjustment at Lift Station 3, Gravel Surface at Lift Station 1, Gravel Surface at Lift Station 3; delay due to Electrical Panel Relocation at Lift Station 1; and the addition of 31 Weather Days.

Original Contract Sum.....	\$	<u>1,053,000.00</u>
Net Change by Previous Change Order/Supplemental Agreement.	\$	<u>0.00</u>
Contract Sum Prior to This Change Order.....	\$	<u>1,053,000.00</u>
Amount of This Change Order (Add/Deduct).....	\$	<u>12,067.00</u>
New Contract Sum Including this Change Order.....	\$	<u>1,065,067.00</u>

NOV - 7 AM 11:32

The contract for substantial completion will be **(increased)** (decreased) (unchanged) by 60 days;
Substantial Completion: 11/09/16; Final Completion: 01/08/17

APPROVED BY: [Signature] DATE: 11/4/16
Project Manager (Department Head)

APPROVED BY: [Signature] DATE: 11/7/16
Procurement Manager

APPROVED BY: [Signature] DATE: 11/8/16
Director of Office of Management & Budget

APPROVED BY: [Signature] DATE: 11/10/16
County Manager

ACCOUNT NO.: 71500535-563551 WWLS
~~71500535-563551 WWLS~~

CHANGE ORDER REQUEST FORM

NAU Part A – Lift Station No. 1 and Part B – Lift Station No. 3 Replacement

No. 1

PROJECT

DATE OF ISSUANCE November 1, 2016 EFFECTIVE DATE _____

NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS

COUNTY Contract / Purchase Order No.: Contract No. CM 2301

CONTRACTOR: Rowell Contracting, Inc. ENGINEER / ARCHITECT: GAI Consultants, Inc.

You are directed to make the following changes in the Contract Documents.

Description: 10" Force Main Extension at Lift Station 1: \$4,159.00 and 7-day Time Extension, Manhole Ring and Cover Adjustment at Lift Station 3: \$880.00 and 1-day Time Extension, Gravel Surface at Lift Station 1: \$3,463.00 and 7-day Time Extension, Gravel Surface at Lift Station 3: \$3,565.00 and 7-day Time Extension, Change to Lift Station 1 Electrical and Control Panel Racks: \$0.00 and 7-day Time Extension, Approval of 31 weather days as per General Condition Section 12.02(C).

Reason for Change Order: Additional Items Requested by the County for ease of maintenance, delay due to Electrical Panel relocation, and Weather Days.

Attachments: Rowell Change Order Proposals 1-4, Rowell time extension request, and Weather Days Time Extension Request

RECEIVED
 2016 NOV - 2 PM 3:19
 NASSAU COUNTY
 ENGINEERING & SURVEYING
 DEPARTMENT

CHANGE IN CONTRACT PRICE: Original Contract Price \$ <u>1,053,000.00</u>	CHANGE IN CONTRACT TIMES: Original Contract Times Substantial Completion: <u>September 10, 2016 (90 days)</u> Ready for Final Payment: <u>November 9, 2016 (150 days)</u> (days or dates)
Net change from previous Change Orders No. ___ to No. ___ \$ <u>0.00</u>	Net change from previous Change Orders No. ___ to No. ___ <u>0</u> (days)
Contract Price prior to this Change Order \$ <u>1,053,000.00</u>	Contract Times Prior to this Change Order Substantial Completion <u>September 10, 2016 (90 days)</u> Ready for Final Payment: <u>November 9, 2016 (150 days)</u> (days or dates)
Net Increase (decrease) of this Change Order \$ <u>12,067.00</u>	Net Increase (decrease) of this Change Order <u>60</u> (days)
Contract Price with all approved Change Orders \$ <u>1,065,067.00</u>	Contract Times with all approved Change Orders Substantial Completion: <u>November 9, 2016 (150 days)</u> Ready for Final Payment: <u>January 8, 2017 (210 days)</u> (days or dates)

RECOMMENDED:
 By: [Signature]
 Engineer/Architect (Authorized Signature)
 Date: 11/2/16

APPROVED:
 By: [Signature]
 COUNTY (Authorized Signature)
 Date: 11/10/16

ACCEPTED:
 By: [Signature]
 Contractor (Authorized Signature)
 Date: 11/2/16

CHANGE ORDER

INSTRUCTIONS

A. GENERAL INFORMATION

This document was developed to provide a uniform format for handling contract changes that affect Contract Price or Contract Times. Changes that have been initiated by a Work Change Directive must be incorporated into a subsequent Change Order if they affect Contract Price or Times.

Changes that affect Contract Price or Contract Times should be promptly covered by a Change Order. The practice of accumulating change order items to reduce the administrative burden may lead to unnecessary disputes.

If Milestones have been listed, any effect of a Change Order, thereon, should be addressed.

For supplemental instructions and minor changes not involving a change in the Contract Price or Contract Times, a Field Order may be used.

B. COMPLETING THE CHANGE ORDER FORM

Engineer / Architect / Etc. initiates the form, including a description of the changes involved and attachments based upon documents and proposals submitted by Contractor, or requests from the County or both.

Once Engineer / Architect / Etc. has completed and signed the form, all copies should be sent to Contractor for approval. After approval by Contractor, all copies should be sent to the County for approval. Engineer should make distribution of executed copies after approval by the County.

If a change only applies to Contract Price or to Contract Times, cross out the part of the tabulation that does not apply.

CONSTRUCTION & UTILITY COORDINATION PROGRESS MEETING AGENDA NUMBER 4		
Project Name:	Contract # CM2301 Part A – Lift Station No. 1 and Part B – Lift Station No. 3 Replacement	
Date:	September 19, 2016	
Time:	10:30 am	
Location:	NAU WW Treatment Plant – 5390 1st Coast Hwy, Fernandina Beach, FL 32034 For Call-Ins: 877-829-8910 Access Code: 2493183#	
Project Data:	Day Count: 99 / 150 (As of 9/19/2016) Holidays & Other Time Extensions: Contract Time: 66 % Current Last Contract Day: 11/9/2016	Job Progress: \$0.00 of \$1,053,000.00 (As of 8/29/2016) Original: \$1,053,000.00 Dollar % Complete: 0.00 %
Attendees:	Becky Bray, P.E. – Nassau County Danny White – NAU Chester Mason – NAU Josh Stillwagon – NAU Drew Hollis, P.E. – PB David DiTillio – PB Jeremy Rowell – Rowell Contracting	Phone: Andrew King – PB Sam Ramirez, P.E. – GAI Marvin Fisher – AT&T

This meeting will be recorded and will become part of the construction project records.

Are there any corrections for last progress meeting minutes?

Date	Status	Outstanding Items / Status <i>C(Completed) IP(In Progress)</i>	Assigned Responsibility

CONSTRUCTION ISSUES TO BE DISCUSSED

- Utilities Activities
 - Jeremy noted there are no issues with utilities at this time. According to previous locates and meetings, there are no conflicts at LS 3.

- Construction Activities
 - Drew asked what work is ongoing at LS 1. Jeremy noted they are working to remove the dry well today. He asked about the status of RFI No. 5 to leave the slab in place. Drew noted it has been accepted. Jeremy noted demolition of the wet well will follow, then installation of the MH. He noted all underground work for the structures should be done this week.
 - Jeremy noted FPU will cut the power at LS 3 tomorrow. He added the HDPE structure should be delivered on Wednesday.

- Work Schedule
 - There are no issues to discuss at this time.

- Safety Concerns/Maintenance of Traffic Issues
 - Status of any upcoming lane closures to include times, locations, and what type of work is going on.
 - Soil tracking
 - MOT devices maintenance
 - Drew noted Becky expressed concern with the proximity of equipment and materials to the edge of the road. Becky noted everything is in the clear zone.

- Contractor Modifications Updates/Pending Submittals
 - Any additional costs or time issues at this time?
 - Drew noted he will be forwarding two submittals regarding shoring systems to Sam. He added they are pre-engineered systems so he does not foresee any issues.

- Environmental Issues
 - Have all of the required SWPPP Inspection been performed and documented on the SWPPP Inspection Reports?
 - Have all the required corrective actions been made and documented on the SWPPP Inspection Reports?
 - Drew asked if a sediment bag was installed on the discharge line of the dewatering pumps at LS 3. Jeremy said it has been done, but the system is not running right now.

- Request For Information status
 - Jeremy noted he is waiting for his pump supplier to return the corrected submittal for the pumps at LS 3. Drew noted this submittal is needed to complete the review of RFI No. 3 for the electrical system.

- Design Issues
- There are no issues to discuss at this time.

• Open Discussion Items

- Becky asked about the CP for the additional FM replacement at LS 1. Jeremy said he has been working on it. He will get it submitted this week. Drew noted we also need Jeremy's CP for raising the MH ring at LS 3.
- ~~Marvin asked if there were any issues or concerns regarding AT&T.~~ Jeremy noted a Comcast rep met him onsite at LS 3, but he did not see any AT&T markings at that time. Marvin noted lines span out from the cabinets north of LS 3, and he would be surprised if there are no cables in the area, but he is not certain about the direction and depth of the lines. Jeremy suggested having a field meeting. Marvin asked about the work schedule. Jeremy said they are actively working in the area. Marvin said he would try to get a crew out today to locate and protect any lines. Jeremy noted he has exchanged emails with AT&T in the past and was told that no locates would be performed but they could have a field meeting. He added that no meeting has occurred yet.
- Danny asked if a lane closure will be needed at LS 3. Jeremy noted a temporary lane closure will probably be needed to unload the structure. He said they will set the structure with the track hoe.
- Josh noted rain is forecast for everyday this week.
- Danny asked if the by-pass is set in the MH west of LS 3. Jeremy said it is, but it is not in use right now. Danny reminded Jeremy that there is a secondary lift station feeding into the MH, but it has lots of storage time if it needs to be shut down temporarily.

The meeting was adjourned at 11:00 a.m.

**CONSTRUCTION & UTILITY COORDINATION PROGRESS MEETING
AGENDA NUMBER 5**

Project Name:	Contract # CM2301 Part A – Lift Station No. 1 and Part B – Lift Station No. 3 Replacement	
Date:	October 3, 2016	
Time:	10:30 am	
Location:	NAU WW Treatment Plant – 5390 1st Coast Hwy, Fernandina Beach, FL 32034 For Call-Ins: 877-829-8910 Access Code: 2493183#	
Project Data:	Day Count: 113 / 150 (As of 8/29/2016) Holidays & Other Time Extensions: Contract Time: 75 % Current Last Contract Day: 11/9/2016	Job Progress: \$687,218.77 of \$1,053,000.00 (As of 9/30/2016) Original: \$1,053,000.00 Dollar % Complete: 65.26 %
Attendees:	Beck Hiers-Bray, P.E. – Nassau County Patrick Stanford, P.E. - PB Drew Hollis, P.E. - PB Andrew King - PB Jeremy Rowell – RCI Danny White – NAU Chester Mason – NAU Josh Stillwagon - NAU	Phone: Samuel Ramirez, P.E. – GAI

This meeting will be recorded and will become part of the construction project records.

Are there any corrections for last progress meeting minutes?

Date	Status	Outstanding Items / Status (C(Completed) IP(In Progress))	Assigned Responsibility

CONSTRUCTION ISSUES TO BE DISCUSSED

- Utilities Activities
 - Jeremy noted they are backfilling at LS 3.
 - Jeremy noted he has called in for new locates at MH's 2 and 3. He added MH 3 has power lines and phone lines in the area. Drew suggested that Jeremy contact AT&T and FPU to give them an update on the schedule.

- Construction Activities
 - Drew noted that LS 3 is to be set tomorrow. Jeremy noted concrete is scheduled for 1:00 pm.
 - Drew noted the excavation area needs to be filled in as soon as possible due to the threat of the hurricane. He added we should discuss pushing the setting of the structure to next week in case we are not able to backfill on the newly placed concrete. Patrick asked who the concrete was coming from. Jeremy noted it is from Argos and said he would talk to them about adding an accelerant to cure the concrete faster so that backfilling could begin sooner. Patrick suggested that he also ask for any break records for the mix being used. Andrew noted we have rain forecast for the next few days, so this needs to be taken into account in case it is too wet to backfill and achieve compaction.
 - Jeremy noted they will work on installing the other MH's at LS 3 next week.

- Work Schedule
 - The work schedule was discussed previously during the meeting.

- Safety Concerns/Maintenance of Traffic Issues
 - Status of any upcoming lane closures to include times, locations, and what type of work is going on.
 - Soil tracking
 - MOT devices maintenance
 - Drew thanked Jeremy for the efforts being put forth to provide safe MOT during the project. He noted flaggers are consistently being used.
 - Drew noted that we will need to look at pulling most of the MOT devices before the hurricane impacts the project.

- Contractor Modifications Updates/Pending Submittals
 - Any additional costs or time issues at this time?
 - Drew noted his waiting for a revised Submittal 2.4 regarding the pumps at LS 3. He noted the material for the pipe needs to be corrected. Drew noted this submittal needs to be corrected before the RFI to correct the meter cans at LS 3 can be fully accepted.

- Environmental Issues
 - Have all of the required SWPPP Inspection been performed and documented on the SWPPP Inspection Reports?

- Have all the required corrective actions been made and documented on the SWPPP Inspection Reports?
- Drew asked that Jeremy double check and reinforce erosion control measures prior to the storm.
- Drew noted that Jeremy needs to have a washout area set up for the concrete truck tomorrow.

- Request For Information status
 - There are no outstanding RFI's at this time.
 - Patrick asked if RFI No. 3 is for the changes to the electrical plans at LS 3. Drew said it was, and noted we should be okay with what was proposed.

- Design Issues
 - There are no issues to discuss at this time.

- Open Discussion Items
 - Andrew asked if any direction has been given for the low MH at LS 3 and the replacement of the FM at LS 1. Drew said the three CO's are being reviewed. He added he still needs to talk to Becky regarding the rock around LS 1.
 - Andrew asked if any work will be done at LS 1 before the electrical work begins. Jeremy said he delivered the control panels to the electrician. He said the electrician will begin setting racks and conduits this week, depending upon the weather. He added he will coordinate with FPU for the service connection at LS 1.
 - Danny asked if there was an issue with FPU providing an overhead connection to the control panel. Patrick said he does not think there should be an issue.
 - Jeremy noted the electrical feed for LS 3 was underground.
 - Patrick asked how Jeremy feels about the progress of his schedule. Jeremy said if he is able to set LS 3 this week, and the MH's the following week, he should be left with only electrical work. Patrick asked how long the electrical work should take. Jeremy said it should only take a couple of days for each station. Patrick suggested that he coordinate with FPU to ensure that they do not delay his schedule.
 - Danny asked if there have been any issues with the by-pass pumps. Jeremy said there have been no recent issues.
 - Danny advised Jeremy to be prepared with fuel reserves. He noted the bridges will be shut down when the storm hits.
 - Danny asked if the 8" non-potable water line is to be relocated. Jeremy said he still has to be reinstalled. He noted he removed white pipe. He asked if he should replace it with purple. Patrick told him to use purple.

Rowell Contracting, Inc.
693 Third Street ~ Folkston, GA 31537
Tel: 912-496-2860 ~ Fax: 912-496-2902
FL Lic.: CUC1223690 ~ GA Lic. UC300955

CHANGE ORDER PROPOSAL

October 31, 2016

To: Parsons Brinckerhoff, Inc.
1075 Oakleaf Plantation Parkway, Suite 300B
Orange Park, FL 32065

Project: LS 1 & LS 3 Replacement Projects
Nassau Amelia Utilities

CO No. 1: 10" Force Main Extension at Lift Station 1

Description of Work Proposed:

Extend the 10" Force Main

The force main extension will allow for the elimination of the existing force main that is under the existing tree roots. The new route will also allow for a cleaner transition to the existing force main by eliminating an old 45 DEG fitting near the clump of existing trees.

- The existing pipe under the trees will be left in place to minimize damage to the roots.
- The new force main location and abandoned grout filled force main will be included on the project as-built survey.

1. Additional 10" PVC DR18 Force Main & tracer wire – 40 LF:	\$ 456
2. 10" Joint Restraints – 3 EA:	\$ 315
3. Labor & Backhoes:	<u>\$1,875</u>
4. Fill existing force main under trees with grout – pump & grout:	\$ 900

▪ Sub-total:	\$3,546
▪ Plus 15%:	<u>\$ 532</u>

▪ Bond Fee 2%:	\$4,078
	<u>\$ 81</u>

Total Amount: \$4,159

Additional Time: 7 Days

Total Amount of Change Order Proposal: \$4,159.00

Parsons Brinckerhoff, Inc.
CEI's ENGINEER'S ESTIMATE

DESCRIPTION OF EXTRA WORK:

LS 1 Force Main

Ins. @.3637

LABOR 0.36

DESCRIPTION	RAW RATE	BURDENED RATE	HRS	AMOUNT	REMARKS
Foreman	30.00	40.91	12.00	490.93	
Loader operator	27.50	37.50	12.00	450.02	
Excavator operator	27.50	37.50	12.00	450.02	
Dump truck driver	20.00	27.27	-	-	
				\$ 1,390.97	

EQUIPMENT

DESCRIPTION	RENTAL PER HOUR	OPERATING COST PER HOUR	TOTAL PER HOUR	HOURS REQ'D	AMOUNT TOTAL	REMARKS
Dump Truck	31.02	50.00	81.02	-	-	
Loader, Cat	23.18	23.05	46.23	12.00	554.78	
Excavator, Cat	40.82	39.10	79.92	12.00	959.09	
Pick Up Truck	4.15	11.30	15.45	12.00	185.37	
Vibratory Plate Compactor	55.89	-	55.89	2.00	111.78	*Daily Rental
SUBTOTAL EQUIPMENT					\$ 1,811.02	

MATERIALS

DESCRIPTION	UNIT	UNIT PRICE	QTY.	AMOUNT	REMARKS
10" PVC Force Main	LF	184.99	2.00	369.98	2 - 20' sections
10" PVC fittings	LS	50.00	1.00	50.00	
Flowable Fill Concrete	CY	80.00	1.00	80.00	
SUBTOTAL MATERIALS				\$ 499.98	
SALES TAX @ 7.00%				35.00	
TOTAL MATERIAL COST				\$ 534.98	

SUBCONTRACT

DESCRIPTION	UNIT	QTY.	AMOUNT	REMARKS
			\$ -	
			\$ 50.00	
TOTAL SUBCONTRACT			\$ -	

OTHER COST

DESCRIPTION	UNIT	RATE	QTY.	AMOUNT	REMARKS
	EA			\$ -	
	LF			\$ -	
	SY			\$ -	
	EA			\$ -	
	EA			\$ -	
TOTAL OTHER COST				\$ -	

SUBTOTAL ADDITIONAL WORK	COST	MARKUP	TOTAL
LABOR @ 17.5%	\$ 1,390.97	\$ 243.42	\$ 1,634.39
EQUIPMENT @ 17.5%	1,811.02	316.93	2,127.95
MATERIALS			534.98
SUBCONTRACT @ 10%*	-	-	-
PAY ITEMS			
CONTRACT BOND @ 0.77%		\$33.09	33.09
SUB TOTAL AMOUNT FOR EXTRA WORK			\$ 4,330.41
TOTAL AMOUNT FOR EXTRA WORK			\$ 4,330.41

* the first \$50,000 @ 10% and 5% thereafter

Prepared By:

[Signature]
 Drew Hollis, P.E., Project Administrator

Date: 10/27/16

Reviewed By:

[Signature]
 Patrick Stanford, P.E., Senior Project Engineer

Date: 11/2/16

Rowell Contracting, Inc.
693 Third Street ~ Folkston, GA 31537
Tel: 912-496-2860 ~ Fax: 912-496-2902
FL Lic.: CUC1223690 ~ GA Lic. UC300955

CHANGE ORDER PROPOSAL

September 28, 2016

To: Parsons Brinckerhoff, Inc.
1075 Oakleaf Plantation Parkway, Suite 300B
Orange Park, FL 32065

Project: LS 1 & LS 3 Replacement Projects
Nassau Amelia Utilities

CO No. 2: Manhole Ring & Cover Adjustment at Lift Station 3

Description of Work Proposed:

Raise the ring & cover approximately 12" at the existing manhole just west of the Lift Station 3 site

The existing ring & cover on the top of the manhole is below the ground surface and was buried prior to construction

1. Brick, mortar, misc. supplies:	\$ 275
2. Labor & Equipment:	\$ 475
• Sub-total:	\$ 750
• Plus 15%:	<u>\$ 113</u>
	\$ 863
▪ Bond Fee 2%:	<u>\$ 17</u>
Total Amount:	\$ 880

Additional Time: 1 Day

Total Amount of Change Order Proposal: \$880.00

Parsons Brinckerhoff, Inc.
CEI's ENGINEER'S ESTIMATE

DESCRIPTION OF EXTRA WORK:

Raise MH Ring & Cover

Ins. @ .3637

LABOR

0.36

DESCRIPTION	RAW RATE	BURDENED RATE	HRS	AMOUNT	REMARKS
Foreman	30.00	40.91	6.00	245.47	
Loader operator	27.50	37.50	-	-	
Excavator operator	27.50	37.50	2.00	75.00	
Laborer	15.00	20.46	6.00	122.73	
				\$ 443.20	

EQUIPMENT

DESCRIPTION	RENTAL PER HOUR	OPERATING COST PER HOUR	TOTAL PER HOUR	HOURS REQ'D	AMOUNT TOTAL	REMARKS
Dump Truck	31.02	50.00	81.02	-	-	
Loader, Cat	23.18	23.05	46.23	-	-	
Excavator, Cat	40.82	39.10	79.92	2.00	159.85	
Pick Up Truck	4.15	11.30	15.45	6.00	92.69	
Vibratory Plate Compactor	55.89	-	55.89	1.00	55.89	*Daily Rental
SUBTOTAL EQUIPMENT					\$ 308.42	

MATERIALS

DESCRIPTION	UNIT	UNIT PRICE	QTY.	AMOUNT	REMARKS
Mortar	EA	15.45	3.00	46.35	
Bricks	EA	0.73	30.00	21.90	
				0.00	
				-	
				-	

SUBTOTAL MATERIALS				\$ 68.25	
SALES TAX @ 7.00%				4.78	
TOTAL MATERIAL COST				\$ 73.03	

SUBCONTRACT

DESCRIPTION	UNIT	QTY.	AMOUNT	REMARKS
			\$ -	
			\$0.00	
			-	
			-	

TOTAL SUBCONTRACT			\$ -	
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OTHER COST

DESCRIPTION	UNIT	RATE	QTY.	AMOUNT	REMARKS
	EA			\$ -	
	LF			\$ -	
	SY			\$ -	
	EA			\$ -	
	EA			\$ -	

TOTAL OTHER COST				\$ -	
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SUBTOTAL ADDITIONAL WORK	COST	MARKUP	TOTAL
LABOR @ 17.5%	\$ 443.20	\$ 77.56	\$ 520.76
EQUIPMENT @ 17.5%	308.42	53.97	362.40
MATERIALS			73.03
SUBCONTRACT @ 10%*	-	-	-
PAY ITEMS	-	-	-
CONTRACT BOND @ 0.77%		\$7.36	7.36
SUB TOTAL AMOUNT FOR EXTRA WORK			\$ 963.55
TOTAL AMOUNT FOR EXTRA WORK			\$ 963.55

* the first \$50,000 @ 10% and 5% thereafter

Prepared By:

Drew Hollis
 Drew Hollis, P.E., Project Administrator

Date: 10/27/16

Reviewed By:

PHL
 Patrick Stanford, P.E., Senior Project Engineer

Date: 11/2/16

Rowell Contracting, Inc.
693 Third Street ~ Folkston, GA 31537
Tel: 912-496-2860 ~ Fax: 912-496-2902
FL Lic.: CUC1223690 ~ GA Lic. UC300955

CHANGE ORDER PROPOSAL

October 18, 2016

To: Parsons Brinckerhoff, Inc.
1075 Oakleaf Plantation Parkway, Suite 300B
Orange Park, FL 32065

Project: LS 1 & LS 3 Replacement Projects
Nassau Amelia Utilities

CO No. 3: Gravel Surface at Lift Station 1

Description of Work Proposed:

Install a 6" layer of gravel (#57 stone) around the wet well at the Lift Station 1 site

A geotextile fabric or plastic sheeting will be installed on the finished dirt surface and 6" of gravel will be installed on top of the fabric.

The gravel will surround the new wet well and will extend 1' beyond the perimeter of the proposed fence.

1. Gravel – approx. 25 tons:	\$ 722
2. Hauling:	\$ 520
3. Geotextile Fabric or Plastic:	\$ 250
4. Labor & Equipment:	\$1400
5. Supervision, Layout, etc.:	\$ 60
• Sub-total:	\$2952
• Plus 15%:	<u>\$ 443</u>
	\$3395
▪ Bond Fee 2%:	<u>\$ 68</u>
Total Amount:	\$3463

Additional Time: 7 Days

Total Amount of Change Order Proposal: \$3,463.00

Parsons Brinckerhoff, Inc.
CEI's ENGINEER'S ESTIMATE

DESCRIPTION OF EXTRA WORK:

LS 1 Gravel

Ins. @ .3637

LABOR 0.36

DESCRIPTION	RAW RATE	BURDENED RATE	HRS	AMOUNT	REMARKS
Foreman	30.00	40.91	8.00	327.29	
Loader operator	27.50	37.50	8.00	300.01	
Excavator operator	27.50	37.50	8.00	300.01	
Dump truck driver	20.00	27.27	4.00	109.10	
				\$ 1,036.41	

EQUIPMENT

DESCRIPTION	RENTAL PER HOUR	OPERATING COST PER HOUR	TOTAL PER HOUR	HOURS REQ'D	AMOUNT TOTAL	REMARKS
Dump Truck	31.02	50.00	81.02	4.00	324.09	
Loader, Cat	23.18	23.05	46.23	8.00	369.85	
Excavator, Cat	40.82	39.10	79.92	8.00	639.39	
Pick Up Truck	4.15	11.30	15.45	8.00	123.58	
					\$ 1,456.92	

MATERIALS

DESCRIPTION	UNIT	UNIT PRICE	QTY.	AMOUNT	REMARKS
10 mill membrane	EA	14.99	3.00	44.97	
#57 stone	SY	57.60	17.00	979.20	
					\$ 1,024.17

SUBTOTAL MATERIALS
 SALES TAX @ 7.00%
 TOTAL MATERIAL COST

SUBCONTRACT

DESCRIPTION	UNIT	QTY.	AMOUNT	REMARKS
			\$ -	
			\$0.00	
			-	
			-	
			-	
			-	

TOTAL SUBCONTRACT \$ -

OTHER COST

DESCRIPTION	UNIT	RATE	QTY.	AMOUNT	REMARKS
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	

TOTAL OTHER COST \$ -

SUBTOTAL ADDITIONAL WORK	COST	MARKUP	TOTAL
LABOR @ 17.5%	\$ 1,036.41	\$ 181.37	\$ 1,217.78
EQUIPMENT @ 17.5%	1,456.92	254.96	1,711.88
MATERIALS			1,095.86
SUBCONTRACT @ 10%*	-	-	-
PAY ITEMS	-	-	-
CONTRACT BOND @ 0.77%		\$31.00	31.00
SUB TOTAL AMOUNT FOR EXTRA WORK			\$ 4,056.52
TOTAL AMOUNT FOR EXTRA WORK			\$ 4,056.52

* the first \$50,000 @ 10% and 5% thereafter

Prepared By:

Drew Hollis
 Drew Hollis, P.E., Project Administrator

Date: 10/27/16

Reviewed By:

Patrick Stanford
 Patrick Stanford, P.E., Senior Project Engineer

Date: 11/2/16

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CHANGE ORDER PROPOSAL

October 19, 2016

To: Parsons Brinckerhoff, Inc.
1075 Oakleaf Plantation Parkway, Suite 300B
Orange Park, FL 32065

Project: LS 1 & LS 3 Replacement Projects
Nassau Amelia Utilities

CO No. 4: Gravel Surface at Lift Station 3

Description of Work Proposed:

Install a 6" layer of gravel (#57 stone) around the wet well at the Lift Station 3 site. The area to cover with gravel is approximately 29' x 39'.

A 10 mil plastic sheeting will be installed on the finished dirt surface and 6" of gravel will be installed on top of the plastic.

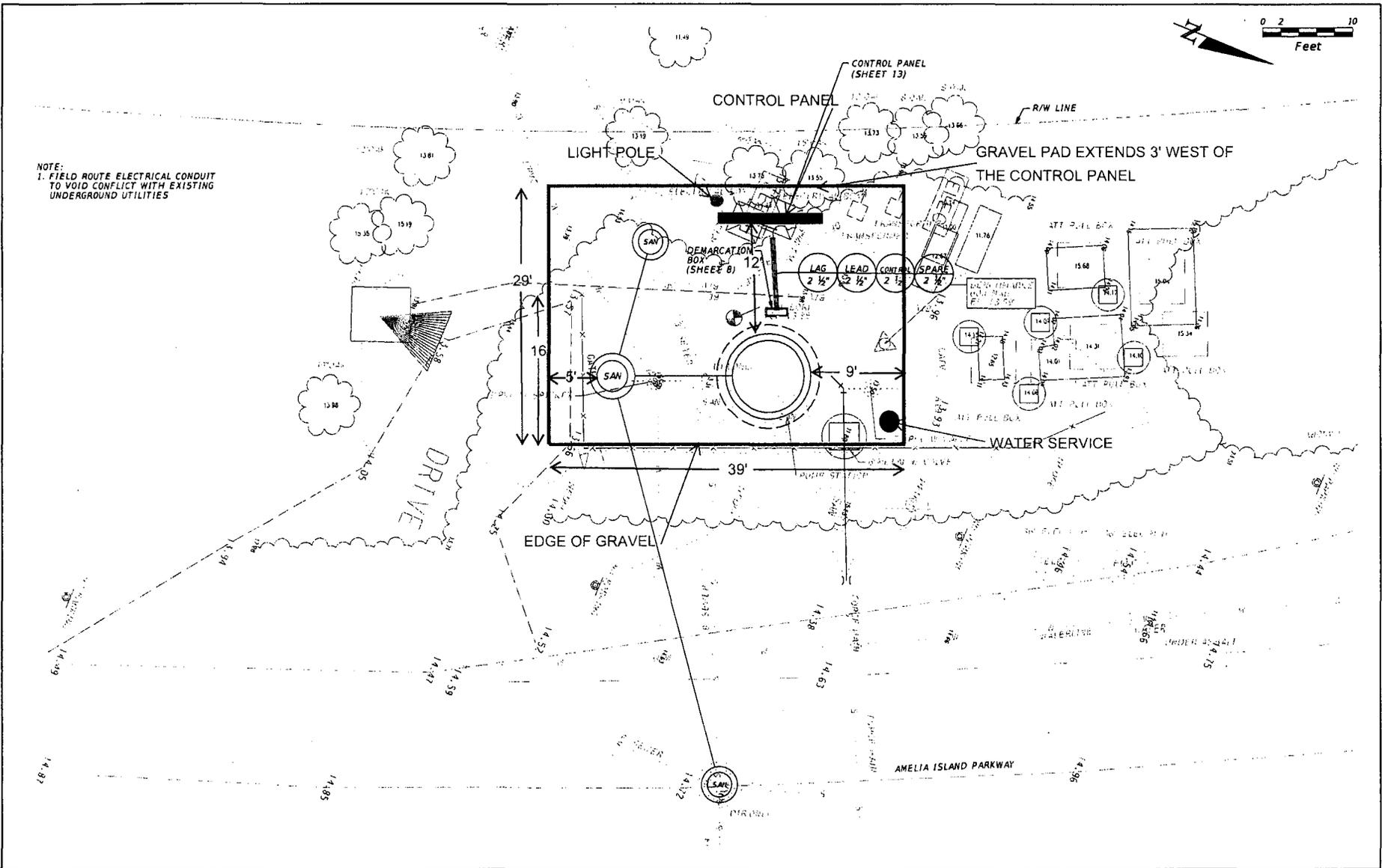
1. Gravel – approx. 28 tons:	\$ 809
2. Hauling:	\$ 520
3. Plastic:	\$ 250
4. Labor & Equipment:	\$1400
5. Supervision, Layout, etc.:	\$ 60
• Sub-total:	\$3039
• Plus 15%:	<u>\$ 456</u>
	\$3495
▪ Bond Fee 2%:	<u>\$ 70</u>
Total Amount:	\$3565

Additional Time: 7 Days

Total Amount of Change Order Proposal: \$3,565.00



NOTE:
1. FIELD ROUTE ELECTRICAL CONDUIT
TO VOID CONFLICT WITH EXISTING
UNDERGROUND UTILITIES



REVISIONS				SAMUEL T. RAMIREZ, P.E. P.E. LICENSE NUMBER 57249 GAI CONSULTANTS, INC. 1301 RIVERPLACE BOULEVARD - SUITE 900 JACKSONVILLE, FL 32207 CERTIFICATE OF AUTHORIZATION 9951	NASSAU COUNTY NASSAU AMELIA UTILITIES		PART B - LIFT STATION NO. 3 ELECTRICAL SITE PLAN	SHEET NO. 8
DATE	DESCRIPTION	DATE	DESCRIPTION		COUNTY	COUNTY PROJECT ID		
				NASSAU	NC15-007			

Hollis, Robert D.

From: Jeremy Rowell [jeremyrowell@live.com]
Sent: Wednesday, October 19, 2016 8:56 PM
To: Hollis, Robert D.
Subject: Re: NAU LS 1 & 3 - Change Order revision
Attachments: CO Proposal No. 4 - LS 3 - Gravel Surface.doc; LS 3 gravel plan.pdf

Drew,

Please see the attached change order proposal for the gravel installation at Lift Station 3. A drawing is also attached that shows the outline of the proposed gravel pad as well as a proposed locations for the light pole and water service.

Thank You,

Jeremy Rowell
Rowell Contracting, Inc.
693 Third Street
Folkston, GA 31537
office: 912-496-2860
fax: 912-496-2902
mobile: 904-349-5338

From: Hollis, Robert D. <hollisrd@pbworld.com>
Sent: Tuesday, October 18, 2016 5:13:35 PM
To: Jeremy Rowell
Cc: Stanford, Patrick B.; 'bbray@nassaucountyfl.com'
Subject: RE: NAU LS 1 & 3 - Change Order revision

Thank you, Jeremy.

I spoke with Becky this morning regarding the limits of the rock to be installed at LS 3. The driveway and fence to be placed as part of the landscaping contract is 16' wide. We would like to tie into this driveway roughly 3'-5' south of MH #2, extending north of LS 3, approximately half way to the utility cabinets/transformers. The new fence is to be installed east of LS 3. The rock should extend from the fence line to the west, behind the electrical panel to be installed (maybe 2'-3'). This entire area should conform to the JEA specs, as at LS 1, including the fabric and 6" of rock. The landscaping plans have no measurements referring to exactly where the fence is to be installed – they are attached for your reference. My thought is to paint some lines out there as it is and develop the best estimate you can. My schedule may be a little tight for the rest of the week, but I could try to meet you on site to look at it together if you'd like.

Feel free to give me a call to discuss it if needed.

Thanks,

R. Drew Hollis, P.E.
PB Contract Support Specialist
hollisrd@pbworld.com



WSP | Parsons Brinckerhoff, Inc.
1075 Oakleaf Plantation Parkway, Suite 300
Orange Park, FL 32065
(904) 406-9532 (office)
(813) 504-5219 (cell)

From: Jeremy Rowell [<mailto:jeremyrowell@live.com>]
Sent: Tuesday, October 18, 2016 1:14 PM
To: Hollis, Robert D.
Subject: NAU LS 1 & 3 - Change Order revision

Drew,

Please disregard the email I sent to you earlier with the change order proposals. I did not include the grout filling of the existing 10" force main to be abandoned on the previous proposal.

The attached change order proposals are correct.

Thank You,

Jeremy Rowell
Rowell Contracting, Inc.
693 Third Street
Folkston, GA 31537
office: 912-496-2860
fax: 912-496-2902
mobile: 904-349-5338

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Parsons Brinckerhoff, Inc.
CEI's ENGINEER'S ESTIMATE

DESCRIPTION OF EXTRA WORK:

LS 3 Gravel

Ins. @.3637

0.36

LABOR

DESCRIPTION	RAW RATE	BURDENED RATE	HRS	AMOUNT	REMARKS
Foreman	30.00	40.91	8.00	327.29	
Loader operator	27.50	37.50	8.00	300.01	
Excavator operator	27.50	37.50	8.00	300.01	
Dump truck driver	20.00	27.27	4.00	109.10	
				\$ 1,036.41	

EQUIPMENT

DESCRIPTION	RENTAL PER HOUR	OPERATING COST PER HOUR	TOTAL PER HOUR	HOURS REQ'D	AMOUNT TOTAL	REMARKS
Dump Truck	31.02	50.00	81.02	4.00	324.09	
Loader, Cat	23.18	23.05	46.23	8.00	369.85	
Excavator, Cat	40.82	39.10	79.92	8.00	639.39	
Pick Up Truck	4.15	11.30	15.45	8.00	123.58	
	-	-	-	-	-	
	-	-	-	-	-	
SUBTOTAL EQUIPMENT					\$ 1,456.92	

MATERIALS

DESCRIPTION	UNIT	UNIT PRICE	QTY.	AMOUNT	REMARKS
10 mill membrane	EA	14.99	3.00	44.97	
#57 stone	SY	57.60	20.00	1,152.00	
		-	-	-	
		-	-	-	
		-	-	-	

SUBTOTAL MATERIALS

SALES TAX @

7.00%

TOTAL MATERIAL COST

\$ 1,196.97

83.79

\$ 1,280.76

SUBCONTRACT

DESCRIPTION	UNIT	UNIT PRICE	QTY.	AMOUNT	REMARKS
		-	-	-	
		-	-	-	
		-	-	-	
		-	-	-	
		-	-	-	

TOTAL SUBCONTRACT

\$ -

OTHER COST

DESCRIPTION	UNIT	RATE	QTY.	AMOUNT	REMARKS
	EA			\$ -	
	LF			\$ -	
	SY			\$ -	
	EA			\$ -	
	EA			\$ -	

TOTAL OTHER COST

\$ -

SUBTOTAL ADDITIONAL WORK	COST	MARKUP	TOTAL
LABOR @ 17.5%	\$ 1,036.41	\$ 181.37	\$ 1,217.78
EQUIPMENT @ 17.5%	1,456.92	254.96	1,711.88
MATERIALS			1,280.76
SUBCONTRACT @ 10%*	-	-	-
PAY ITEMS	-	-	-
CONTRACT BOND @ 0.77%		\$32.42	32.42
SUB TOTAL AMOUNT FOR EXTRA WORK			\$ 4,242.84
TOTAL AMOUNT FOR EXTRA WORK			\$ 4,242.84

* the first \$50,000 @ 10% and 5% thereafter

Prepared By:

Drew Hollis
 Drew Hollis, P.E. Project Administrator

Date:

10/27/16

Reviewed By:

Patrick Stanford
 Patrick Stanford, P.E., Senior Project Engineer

Date:

11/2/16

Hollis, Robert D.

From: Jeremy Rowell [jeremyrowell@live.com]
Sent: Monday, October 31, 2016 2:51 PM
To: Hollis, Robert D.
Subject: NAU Lift Station 1 - RFI No. 6 - Time Extension Request
Attachments: RFI - No. 6 - LS 1 - adjust location of electrical rack.pdf; RFI 6 - drawing.pdf

Drew,

I am requesting a No Cost Change Order for Time Extension for the change to the Lift Station 1 electrical & control panel racks.

The problem was encountered on 10/10/16 and RFI No. 6 was submitted addressing the issue on 10/11/16. The electricians had to be rescheduled while waiting on the RFI preparation and answer.

I am requesting a 7 day time extension starting Monday 10/10/16.

Thank You,

Jeremy Rowell
Rowell Contracting, Inc.
693 Third Street
Folkston, GA 31537
office: 912-496-2860
fax: 912-496-2902
mobile: 904-349-5338

From: Hollis, Robert D. <hollisrd@pbworld.com>
Sent: Tuesday, October 11, 2016 3:25:24 PM
To: 'jeremyrowell@live.com'
Cc: Stanford, Patrick B.; King, Andrew; 'bbray@nassaucountyfl.com'
Subject: FW: NAU Lift Station 1 - RFI No. 6

Jeremy,

Please see the EOR's response to RFI No. 6. Your proposal is acceptable.

Thanks,

R. Drew Hollis, P.E.
PB Project Administrator
NAU – Lift Station No. 1 and No. 3 Replacement
hollisrd@pbworld.com



WSP | Parsons Brinckerhoff, Inc.
1075 Oakleaf Plantation Parkway, Suite 300
Orange Park, FL 32065

(904) 406-9532 (office)
(813) 504-5219 (cell)

From: Samuel Ramirez [mailto:S.Ramirez@gaiconsultants.com]
Sent: Tuesday, October 11, 2016 3:07 PM
To: Hollis, Robert D.
Cc: Stanford, Patrick B.; Jeff Blum
Subject: RE: NAU Lift Station 1 - RFI No. 6

Drew – GAI has no objection on the location. See attached RFI. What works best for the plan layout at site is fine; coordinate with NAU staff. Thanks, Samuel

From: Hollis, Robert D. [mailto:hollisrd@pbworld.com]
Sent: Tuesday, October 11, 2016 2:22 PM
To: Samuel Ramirez <S.Ramirez@gaiconsultants.com>
Cc: Stanford, Patrick B. <stanfordpb@pbworld.com>; King, Andrew <KingAn@pbworld.com>; 'bbray@nassaucountyfl.com' <bbray@nassaucountyfl.com>; 'dwhite@nassaucountyfl.com' <dwhite@nassaucountyfl.com>; 'Josh Stillwagon' <jstillwagon@nassaucountyfl.com>
Subject: FW: NAU Lift Station 1 - RFI No. 6

Sam,

Please see the attached RFI No. 6 regarding the location of the electrical rack at LS 1. It is my understanding that this County has already had discussions about the proposed relocation and has no objections in order to increase clearance around all sides of the panel. Let me know if you have any questions or concerns.

Thanks,

R. Drew Hollis, P.E.
PB Project Administrator
NAU – Lift Station No. 1 and No. 3 Replacement
hollisrd@pbworld.com



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Orange Park, FL 32065
(904) 406-9532 (office)
(813) 504-5219 (cell)

From: Jeremy Rowell [mailto:jeremyrowell@live.com]
Sent: Tuesday, October 11, 2016 12:17 PM
To: Hollis, Robert D.
Subject: NAU Lift Station 1 - RFI No. 6

Drew,

I have attached RFI No. 6 regarding the location of the electrical rack at Lift Station 1. We are requesting to move the electrical rack to the north side of the wetwell. The control panel rack will be left as shown on the electrical plan, sheet no. 7.

The actual electric rack is larger than what is shown on the electrical plan. Placing per the plan will not allow for the required clearance between the force main and electrical equipment.

Thank You,

Jeremy Rowell
Rowell Contracting, Inc.
693 Third Street
Folkston, GA 31537
office: 912-496-2860
fax: 912-496-2902
mobile: 904-349-5338

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SECTION 00 63 15

CONTRACTOR'S REQUEST FOR INFORMATION

TO: Parsons Brinckerhoff, Inc.

FROM: Jeremy Rowell (CONTRACTOR) DATE: 10/11/16

CONTRACTOR REQUEST FOR INFORMATION NO.: 6

PROJECT NAME: Lift Station 1 and Lift Station 3 Replacements

CONTRACT NUMBER: CM2301 PURCHASE ORDER NO.: _____

QUESTION:

Can the electrical rack be moved to the north side of the wet well?
Moving the rack as shown on the attached drawing will allow for better access around the station. If the rack was to
be installed per plan it would not have the required clearances from the force main pipes as they enter the ground in front
of the rack. Moving the rack back away from force main will put it at 2' or less off of the fence and limits access around
the station and force main.
The actual length of the rack is 8' wide which is larger than what is shown on the plan.

BY: *J. Rowell* DATE: 10/11/16

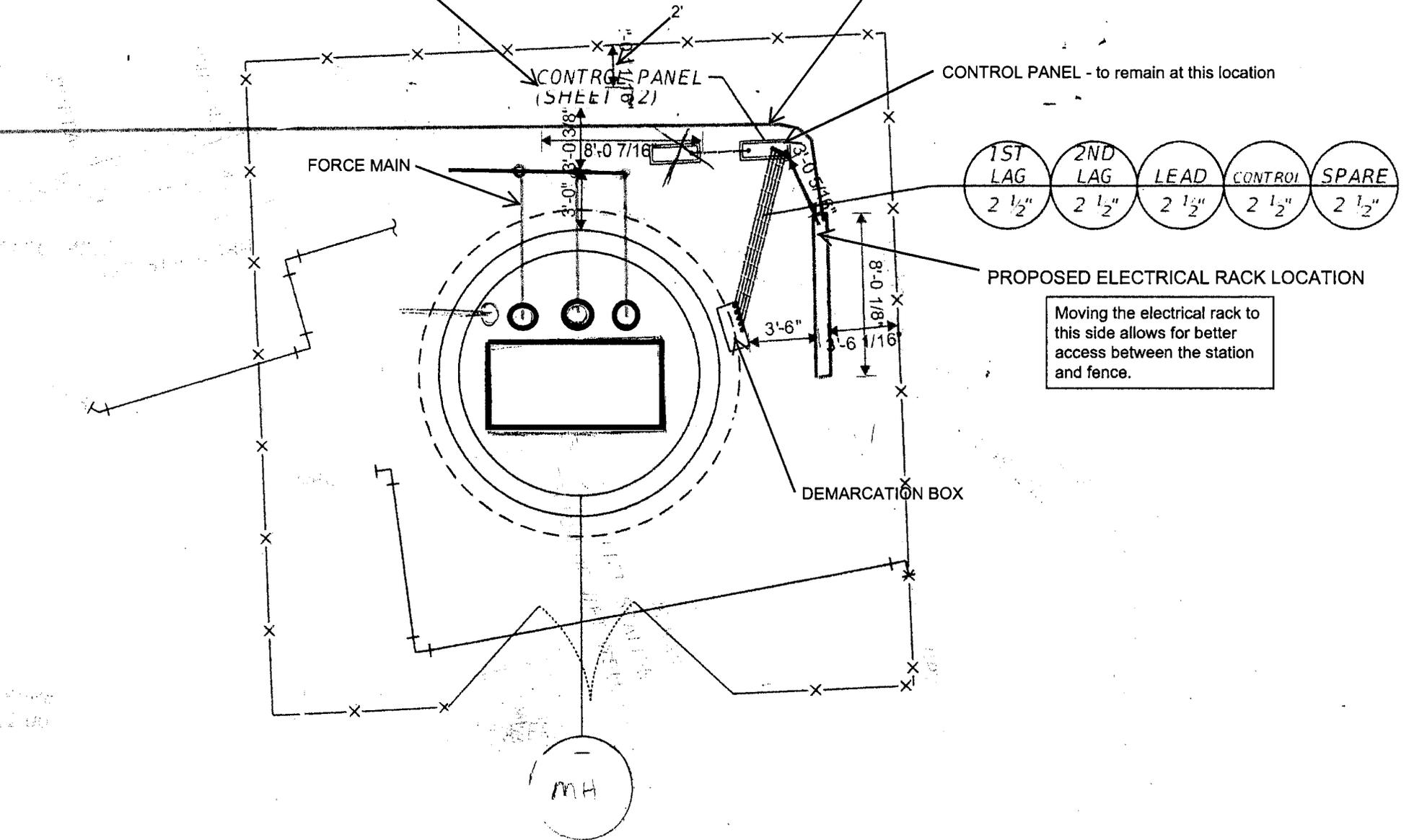
REPLY:

BY: _____ DATE: _____

END OF SECTION

ACTUAL LOCATION OF ELECTRICAL RACK (if rack was to be installed on this side)
 IN ORDER TO OBTAIN REQUIRED CLEARANCES

PROPOSED UNDERGROUND ELECTRIC TO FPU POLE



1ST LAG	2ND LAG	LEAD	CONTROL	SPARE
2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"

Moving the electrical rack to this side allows for better access between the station and fence.

Hollis, Robert D.

From: Samuel Ramirez [S.Ramirez@gaiconsultants.com]
Sent: Tuesday, October 11, 2016 3:07 PM
To: Hollis, Robert D.
Cc: Stanford, Patrick B.; Jeff Blum
Subject: RE: NAU Lift Station 1 - RFI No. 6
Attachments: RFI - No 6 - LS 1 - adjust location of electrical rack Response.pdf

Drew – GAI has no objection on the location. See attached RFI. What works best for the plan layout at site is fine; coordinate with NAU staff. Thanks, Samuel

From: Hollis, Robert D. [mailto:hollisrd@pbworld.com]
Sent: Tuesday, October 11, 2016 2:22 PM
To: Samuel Ramirez <S.Ramirez@gaiconsultants.com>
Cc: Stanford, Patrick B. <stanfordpb@pbworld.com>; King, Andrew <KingAn@pbworld.com>; 'bbray@nassaucountyfl.com' <bbray@nassaucountyfl.com>; 'dwhite@nassaucountyfl.com' <dwhite@nassaucountyfl.com>; 'Josh Stillwagon' <jstillwagon@nassaucountyfl.com>
Subject: FW: NAU Lift Station 1 - RFI No. 6

Sam,

Please see the attached RFI No. 6 regarding the location of the electrical rack at LS 1. It is my understanding that this County has already had discussions about the proposed relocation and has no objections in order to increase clearance around all sides of the panel. Let me know if you have any questions or concerns.

Thanks,

R. Drew Hollis, P.E.
PB Project Administrator
NAU – Lift Station No. 1 and No. 3 Replacement
hollisrd@pbworld.com



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(904) 406-9532 (office)
(813) 504-5219 (cell)

From: Jeremy Rowell [mailto:jeremyrowell@live.com]
Sent: Tuesday, October 11, 2016 12:17 PM
To: Hollis, Robert D.
Subject: NAU Lift Station 1 - RFI No. 6

Drew,

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The actual electric rack is larger than what is shown on the electrical plan. Placing per the plan will not allow for the required clearance between the force main and electrical equipment.

Thank You,

Jeremy Rowell
Rowell Contracting, Inc.
693 Third Street
Folkston, GA 31537
office: 912-496-2860
fax: 912-496-2902
mobile: 904-349-5338

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SECTION 00 63 15

CONTRACTOR'S REQUEST FOR INFORMATION

TO: Parsons Brinckerhoff, Inc.

FROM: Jeremy Rowell (CONTRACTOR) DATE: 10/11/16

CONTRACTOR REQUEST FOR INFORMATION NO.: 6

PROJECT NAME: Lift Station 1 and Lift Station 3 Replacements

CONTRACT NUMBER: CM2301 PURCHASE ORDER NO.: _____

QUESTION:

Can the electrical rack be moved to the north side of the wet well?
Moving the rack as shown on the attached drawing will allow for better access around the station. If the rack was to
be installed per plan it would not have the required clearances from the force main pipes as they enter the ground in front
of the rack. Moving the rack back away from force main will put it at 2' or less off of the fence and limits access around
the station and force main.
The actual length of the rack is 8' wide which is larger than what is shown on the plan.

BY: *Jeremy Rowell* DATE: 10/11/16

REPLY:

We have no objections.

BY: *Samuel Rainoff* DATE: 10/11/2016

END OF SECTION

NAU LS 1&3 - Weather days

Hollis, Robert D. <hollisrd@pbworld.com>

Wed 11/2/2016 5:44 PM

To: Becky Bray <bbray@nassaucountyfl.com>;

Cc: Stanford, Patrick B. <stanfordpb@pbworld.com>;

1 attachments (55 KB)

Weather days.pdf;

Becky,

Attached is our recommendation for weather days. The subsequent recovery days recommended are due to repairs/rework needed to address washouts and impacts due the dewatering pumps having to catch up to higher levels of groundwater due to the rain events (including night and weekend rain events not reflected in the spreadsheet).

Thanks,

R. Drew Hollis, P.E.

PB Project Administrator

NAU – Lift Station No. 1 and No. 3 Replacement

hollisrd@pbworld.com

 http://intranet.wspgroup.com/PageFiles/58614/CoLogo_colour.png

WSP | Parsons Brinckherhoff, Inc.

1075 Oakleaf Plantation Parkway, Suite 300

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NAU Part A - Lift Station No. 1 and Part B - Lift Station No. 3 Replacement
 CM2301

	Day of the Week	Date	Contract Day	Reason Granted	
1	Wednesday	8/3/2016	52	weather	
2	Thursday	8/4/2016	53	recovery	
3	Friday	8/5/2016	54	weather	
4	Monday	8/8/2016	57	recovery	
5	Monday	8/15/2016	64	recovery	
6	Tuesday	8/16/2016	65	recovery	
7	Saturday	8/27/2016	76	weather	
8	Tuesday	8/30/2016	79	weather	Hurricane Hermine
9	Wednesday	8/31/2016	80	weather	Hurricane Hermine
10	Thursday	9/1/2016	81	weather	Hurricane Hermine
11	Friday	9/2/2016	82	weather	Hurricane Hermine
12	Monday	9/5/2016	85	recovery	
13	Tuesday	9/13/2016	93	weather	
14	Wednesday	9/14/2016	94	recovery	
15	Thursday	9/15/2016	95	recovery	
16	Friday	9/16/2016	96	weather	
17	Monday	9/19/2016	99	weather	
18	Tuesday	9/20/2016	100	recovery	
19	Wednesday	9/21/2016	101	recovery	
20	Thursday	9/29/2016	109	weather	
21	Friday	9/30/2016	110	recovery	
22	Monday	10/3/2016	113	weather	
23	Tuesday	10/4/2016	114	weather	
24	Wednesday	10/5/2016	115	weather	Hurricane Matthew
25	Thursday	10/6/2016	116	weather	Hurricane Matthew
26	Friday	10/7/2016	117	weather	Hurricane Matthew
27	Monday	10/10/2016	120	recovery	Hurricane Matthew
28	Tuesday	10/11/2016	121	recovery	Hurricane Matthew
29	Monday	10/17/2016	127	recovery	
30	Tuesday	10/18/2016	128	recovery	
31	Thursday	10/20/2016	130	weather	