

Harris County Municipal Utility District No. 136
September 10, 2020 Board Meeting
Engineer's Report

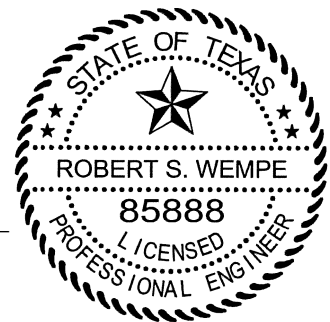
a. **Status of Water Plant Electrical Improvements – Andrew-Jordan Industrial LLC**

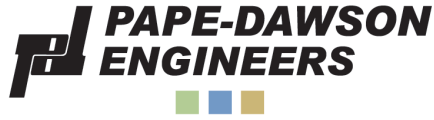
Progress Payment No. 1 in the amount of \$153,090.90 is submitted for payment/approval.

Engineer's Report Prepared by: _____



Robert S. Wempe, P.E.
Pape-Dawson Engineers, Inc.
TBPE Reg. No. 470





September 9, 2020


Mr. Neil Polanski
Harris County MUD No. 136
1301 McKinney Street, Suite 5100
Houston, TX 77010

Re: Progress Payment No. 1
Project: Water Plant Proposed Electrical Equipment Building Facilities
Pape-Dawson Project Number: 40660-01
Owner: Harris County MUD No. 136

Dear Mr. Polanski,

Enclosed herein is Progress Payment No. 1 for the referenced project along with the Affidavit of Bills Paid and Partial Waiver of Lien. The estimate is in order and we recommend payment in the amount of \$153,090.90 to Andrew-Jordan Industrial, LLC.

Sincerely,
Pape-Dawson Engineers, Inc.


Robert S. Wempe, P.E.
Vice President



Enclosure

cc - Mr. Mike Doran – Andrew-Jordan Industrial, LLC
Mr. Dimitri Millas – Norton Rose Fulbright US, LLP

K:\Projects\406\60\01\4-0 Construction Project 1\4-2 Agreement\4-2-2 Pay Estimates\200909 Progress Payment No. 1.doc

CONSTRUCTION PROGRESS PAYMENT NO. 1
 Progress Period: 06/01/20 to 08/25/20

PROJECT: Water Plant Proposed Electrical Equipment Building

JOB NO: 40660-01

CONTRACT DATE: Apr-16-2020

OWNER

Harris County MUD No. 136
 1301 McKinney Street, Suite 5100
 Houston, TX 77010

CONTRACTOR

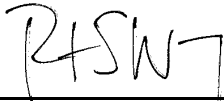
Andrew-Jordan Industrial, LLC
 11011 Brooklet Drive, Suite 340
 Houston, TX 77099

Insurance Expiration: Mar-23-2021

Original Contract Amount:	\$	593,341.00
Change Orders (0)	\$	-
Incentive/(Liquidated Damage)	\$	-
Adjustment to Final Quantity	\$	-
Revised Contract Amount:	\$	593,341.00
Amount Placed To Date:	\$	170,101.00
Less 10% Retainage:	\$	(17,010.10)
Balance:	\$	153,090.90
Previous Progress Payments:	\$	-
Total Amount Due This Date:	\$	153,090.90
Project Percent Complete:		29%

Completion Items:	
Notice to Proceed	Jun-1-2020
<u>Contract Time:</u>	<u>180</u>
Approved Time Extensions:	0
<u>Approved Change Order Days</u>	<u>0</u>
Revised Contract Time:	180
Anticipated Completion Date	Nov-28-2020
Days To Date:	85
Percent Time Used:	47%
<u>Early / (Late) Completion</u>	<u>N/A</u>

Recommended for Approval:



9/9/20

Robert S. Wempe, P.E.

Date

Vice President

Pape-Dawson Engineers, Inc

OWNER: Harris County MUD No. 136
PROJECT: Water Plant Proposed Electrical Equipment Building
JOB NO: 40660-01
CONTRACTOR: Andrew-Jordan Industrial, LLC

-- CONSTRUCTION PROGRESS PAYMENT NO. 1 --
6/1/2020 to 8/25/2020

ITEM NO.	QTY	UNIT	ITEM DESCRIPTION	UNIT PRICE	THIS ESTIMATE		PREVIOUS ESTIMATE		TOTAL TO DATE		% COMPLETE	
					QTY	AMOUNT	QTY	AMOUNT	QTY	AMOUNT		
SITE PLAN IMPROVEMENTS AND DEMOLITION ITEMS												
1.	2	EA	Furnish and Construct Concrete Steps to Access New Electrical Building	\$ 1,973.00	0	\$ -	0	\$ -	0	\$ -	0.00%	
2.	40	SY	Furnish and Construct Concrete Sidewalk	\$ 65.00	0	\$ -	0	\$ -	0	\$ -	0.00%	
3.	16	CY	Detention Expansion	\$ 411.00	16	\$ 6,576.00	0	\$ -	16	\$ 6,576.00	100.00%	
4.	62	LF	Remove & Relocate/Install Gas Line for Emergency Generator	\$ 132.00	62	\$ 8,184.00	0	\$ -	62	\$ 8,184.00	100.00%	
5.	75	SY	Saw Cut, Excavation, and Removal of Existing HMAC Pavement	\$ 26.00	0	\$ -	0	\$ -	0	\$ -	0.00%	
SITE PLAN IMPROVEMENTS AND DEMOLITION ITEMS SUBTOTAL:						14,760.00		-		14,760.00		
EROSION & SEDIMENTATION CONTROLS ITEMS												
6.	111	LF	Furnish and Install Reinforced Silt Fence	\$ 3.00	111	\$ 333.00	0	\$ -	111	\$ 333.00	100.00%	
7.	3	EA	Furnish and Install Rock Filter Dam Type 2	\$ 1,315.00	3	\$ 3,945.00	0	\$ -	3	\$ 3,945.00	100.00%	
8.	1	EA	Furnish and Install Inlet Protection	\$ 263.00	1	\$ 263.00	0	\$ -	1	\$ 263.00	100.00%	
9.	1	LS	Furnish and Install HydroMulch Seeding for Restoration/Revegetation of All Disturbed Areas	\$ 2,631.00	0	\$ -	0	\$ -	0	\$ -	0.00%	
EROSION & SEDIMENTATION CONTROLS ITEMS SUBTOTAL:						4,541.00		-		4,541.00		
NEW ELECTRICAL BUILDING ITEMS												
10.	1	LS	Furnish and Construct a Concrete Masonry Unit Building with Reinforced Concrete Slab, Precast Plank Roof, and Appurtenances	\$ 188,000.00	0.45	\$ 84,600.00	0.00	\$ -	0.45	\$ 84,600.00	45.00%	
11.	1	LS	Furnish and Install New Electrical Service and Distribution Equipment	\$ 27,302.00	0	\$ -	0	\$ -	0	\$ -	0.00%	
12.	4	EA	Furnish and Install 4 New Variable Frequency Drives	\$ 5,000.00	0	\$ -	0	\$ -	0	\$ -	0.00%	
13.	1	EA	Furnish and Install New Panel PLC	\$ 21,140.00	0	\$ -	0	\$ -	0	\$ -	0.00%	
14.	1	LS	Furnish and Install New Interior and Exterior Light Fixtures, and Wiring Devices	\$ 3,290.00	0	\$ -	0	\$ -	0	\$ -	0.00%	
15.	10	LF	Furnish and Install New HVAC Equipment	\$ 1,052.60	0	\$ -	0	\$ -	0	\$ -	0.00%	
16.	50	CY	Furnish and Install New Raceways/Conductors	\$ 400.00	0	\$ -	0	\$ -	0	\$ -	0.00%	
NEW ELECTRICAL BUILDING ITEMS SUBTOTAL:						84,600.00		-		84,600.00		
DEMOLITION & INSTALLATION AT EXISTING ELECTRICAL SERVICE ENTRANCE AND YARD ITEMS												
17.	1	LS	Demolish existing underground conductors & electrical lines as noted around yard	\$ 1,200.00	0	\$ -	0	\$ -	0	\$ -	0.00%	

ITEM NO.	QTY	UNIT	ITEM DESCRIPTION	UNIT PRICE	THIS ESTIMATE		PREVIOUS ESTIMATE		TOTAL TO DATE		% COMPLETE
					QTY	AMOUNT	QTY	AMOUNT	QTY	AMOUNT	
18.	1	LS	Demolish existing electrical service entrance equipment as noted, including transformers, control panel, MCC, etc.	\$ 4,500.00	0	\$ -	0	\$ -	0	\$ -	0.00%
19.	1	LS	Demolish controls at existing Hydropneumatic tanks control cabinets	\$ 1,200.00	0	\$ -	0	\$ -	0	\$ -	0.00%
20.	1	LS	Sitewide, furnish and install new underground duct banks as identified, including raceways/conductors.	\$ 163,244.00	0	\$ -	0	\$ -	0	\$ -	0.00%
21.	1	LS	Relocate existing automatic transfer switch	\$ 630.00	0	\$ -	0	\$ -	0	\$ -	0.00%
22.	4	EA	Furnish and install four (4) new disconnects for booster pumps	\$ 1,500.00	0	\$ -	0	\$ -	0	\$ -	0.00%
23.	1	LS	Furnish and install new electrodes and electrode holders at existing Hydropneumatic tanks control cabinets	\$ 2,513.00	0	\$ -	0	\$ -	0	\$ -	0.00%
24.	1	LS	Furnish and install Ground Storage Tank 1 and 2 level transducers	\$ 8,129.00	0	\$ -	0	\$ -	0	\$ -	0.00%
25.	1	LS	Furnish and install system pressure transmitter	\$ 3,263.00	0	\$ -	0	\$ -	0	\$ -	0.00%
26.	1	LS	Furnish and install analog signal splitter	\$ 988.00	0	\$ -	0	\$ -	0	\$ -	0.00%
27.	1	LS	Furnish and install new electrodes and electrode holders at existing Hydropneumatic tanks control cabinets	\$ 2,513.00	0	\$ -	0	\$ -	0	\$ -	0.00%
DEMO & INSTALL AT EXISTING ELECTRICAL SERVICE ENTRANCE AND YARD ITEMS SUBTOTAL:						-		-		-	
EXISTING ELECTRICAL BUILDING ITEMS											
28.	1	LS	Demolish Identified Electrical and Control Equipment	\$ 4,500.00	0	\$ -	0	\$ -	0	\$ -	0.00%
29.	1	LS	Relocate Existing Auto Dialer and Breathing Apparatus	\$ 350.00	0	\$ -	0	\$ -	0	\$ -	0.00%
30.	1	LS	Furnish and Install New Electrical Equipment	\$ 3,000.00	0	\$ -	0	\$ -	0	\$ -	0.00%
31.	1	LS	Furnish and Install New Interior and Exterior Light Fixtures, and Wiring Devices (Switches and Receptacles)	\$ 1,000.00	0	\$ -	0	\$ -	0	\$ -	0.00%
32.	1	LS	Furnish and Install New Solenoid Valve	\$ 794.00	0	\$ -	0	\$ -	0	\$ -	0.00%
EXISTING ELECTRICAL BUILDING ITEMS SUBTOTAL:						-		-		-	
STORM WATER POLLUTION PREVENTION PLAN ITEMS											
33.	1	LS	Compliance with the TCEQ TPDES regulations	\$ 2,631.00	0	\$ -	0	\$ -	0	\$ -	0.00%
STORM WATER POLLUTION PREVENTION PLAN ITEMS SUBTOTAL:						-		-		-	

ITEM			ITEM DESCRIPTION	UNIT PRICE	THIS ESTIMATE		PREVIOUS ESTIMATE		TOTAL TO DATE		% COMPLETE
NO.	QTY	UNIT			QTY	AMOUNT	QTY	AMOUNT	QTY	AMOUNT	
MISCELLANEOUS ITEMS											
34.	1	LS	Move-in and Start-up as Required to Begin Construction	\$ 50,000.00	1	\$ 50,000.00	0	\$ -	1.0	\$ 50,000.00	100.00%
35.	1	LS	Performance and Payment Bonds	\$ 9,200.00	1	\$ 9,200.00	0	\$ -	1	\$ 9,200.00	100.00%
36.	1	LS	Control and Construction Staking for Construction and/or Installation	\$ 5,000.00	1	\$ 5,000.00	0	\$ -	1	\$ 5,000.00	100.00%
37.	1	LS	As-Built No Boundary Survey	\$ 2,000.00	1	\$ 2,000.00	0	\$ -	1	\$ 2,000.00	100.00%
MISCELLANEOUS ITEMS SUBTOTAL:						66,200.00		-		66,200.00	
WATER PLANT PROPOSED ELECTRICAL EQUIPMENT BUILDING GRAND TOTAL						170,101.00		-		170,101.00	

Total	\$ 170,101.00	\$ -	\$ 170,101.00
Less Retainage (10%)	<u>\$ (17,010.10)</u>	<u>\$ -</u>	<u>\$ (17,010.10)</u>
(Liquidated Damages)*@ \$1,000/day for 0 days	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Grand Total	\$ 153,090.90	\$ -	\$ 153,090.90
Less Previous Estimates			<u>\$ -</u>
Due this Estimate			\$ 153,090.90

*In accordance with Section 4.03 of the Agreement between Owner and Contractor.