

ENGINEER'S STATUS REPORT
HARRIS COUNTY FRESH WATER SUPPLY DISTRICT No. 61
April 22, 2020



Prepared by William G. Rosenbaum, P.E. #45894
Lockwood, Andrews & Newnam, Inc., TBPE Firm #F-2614

A. Design – Construction Projects

1. Water, Sanitary and Lift Station Relocations: Eldridge Parkway at FM 1960 (12094) – TxDOT is proposing to widen all four approaches of the N. Eldridge Parkway / FM 1960 intersection. TxDOT is acquiring additional Right-of-Way (ROW) adjacent to the existing ROW. Any existing utilities under the proposed pavement sections must be relocated. The District has many existing water lines and sanitary sewer lines located either within the existing street ROWs or within easements adjacent to the ROWs. The District's water & sanitary sewer relocation plans are complete. New easements are being proposed and some won't meet the City of Houston requirements without a variance being granted. We met with Ms. Kathlee Bullock, PhD, P. E., Assistant Director of Public Works for the City of Houston and per her direction and have resubmitted the plans.

TxDOT Letting (Advertising) Date: June 2020

TxDOT Notice to Proceed: September 2020

<u>Remaining Items</u>	<u>Date</u>
Deliver 21 easements to Smith Murdaugh	12/11/2019
Deliver remaining easements to Smith Murdaugh	12/31/2019
Obtain easements	3/1/2020
After easements are obtained, submit plans for approval	3/1/2020
Bidding	4/1/2020
Start Construction	5/1/2020
Complete Construction	9/1/2020

2. Water Plant No. 3 & Aerial Water Line Crossings Recoating – The contractor is Pardalis Industrial Enterprises and the Notice to Proceed was issued on 1/30/2020. The contractor's plan is to finish the interior of the GST and then start one of the Hydrotanks

ACTION ITEM – Review and approve **revised** Pay Application No. 1, **see pages 5 – 9.**

3. Wortham Falls Detention Pond Improvements – The construction contract was awarded to Scott Sitework, LLC at the 4/8/20 Board meeting. **The contract is currently being executed.** This project will be funded by the SPA funds.
4. Sanitary Sewer Phase 7 & 9 Rehabilitation (12169) – The construction contract in the amount of \$1,387,650 was awarded to King Solution Services at the 3/25/20 Board meeting. The funding source is Bond Issue 18 with \$1,485,000 in funds available for sanitary sewer rehab work. **The contract is currently being executed.**

5. WWTP No. 2 (Hastings Green) Lift Station Rehabilitation (12176) – The Preliminary Engineering Report was presented to the Board at the 2/12/20 meeting. The rehab plans will be prepared for a Fall 2020 Bidding Schedule.
6. WWTP No. 1 (Barwood) Lift Station & Remaining District Lift Stations – The Preliminary Engineering Report was presented to the Board at the 2/19/20 meeting.

B. Construction Warranty Status

<u>Inspection</u>	<u>Expiration</u>	<u>Project</u>
5/10/20	7/10/20	Elevated Storage Tank No. 2 Recoating (12135)
5/10/20	7/10/20	Sanitary Sewer 4 & 5 Rehabilitation (12021)
12/12/20	2/12/21	Sanitary Sewer 6 Television (12049)

C. Permit / Plan Status

1. America's Water Infrastructure Act (AWIA) of 2018 – Risk and Resilience Assessment due 6/30/21, Emergency Response Plan due 12/30/21
2. Barwood WWTP No. 1 – TPDES Discharge Permit 10876-001
Issued: 7/18/2017 Expires: **3/1/2022** Start permit renewal on **3/1/2021**
3. Barwood WWTP #1 - Storm Water Pollution Prevention Permit (SWPPP)
Issued: 8/14/2016 Expires: **8/14/2021** Start permit renewal on **8/14/2020**
4. Hastings Green WWTP No. 2 - TPDES Permit No. 10876-002
Issued: 7/6/2017 Expires: **3/1/2022** Start permit renewal on **3/1/2021**
5. Hastings Green WWTP No. 2 - Storm Water Pollution Prevention Permit (SWPPP)
Issued: 8/14/16 Expires: **8/14/2021** Start permit renewal on **8/14/2020**
6. Water Conservation Plan (WCP)
Next Plan Update due: **5/1/2024**
7. Drought Contingency Plan (DCP)
Next Plan Update due: **5/1/2024**
8. TCEQ Emergency Preparedness Plan
Approved by TCEQ: 4/26/10, submitted to the County Judge, Public Utility Commission, Texas Department of Emergency Management and the Harris County Office of Emergency Management.

D. Miscellaneous Projects

1. Buildout Projections & System Capacity – We are conducting an Alternative Capacity Study to determine the maximum number of connections that the water system can service.
2. Magellan Pipeline Easement – Assigned 8/9/18. Awaiting as-built plans of pipeline construction to access future detention pond expansion options
3. NHCRWA – Phase II Water Distribution Route Study is underway by the Authority. **#61 Staff and LAN are reviewing their proposed connection plans.**
4. Capital Improvement Plan (CIP) – Updated and presented at the 2/19/20 meeting.
5. Bond Issue #19 – The preparation of the Engineering Report to support this Bond Issue was authorized at the 4/8/20 Board meeting. The work is underway.

E. Utility Commitments / Site Plan Reviews / Utility Requests

1. Tract 4C-1, 0.9642 acres, 3,530 SF Retail – 2/5/20 Requested 1 ESFC
2. Tract 4N2 – 0 Glenora, 3.1077 acres proposed townhomes – Request on 5/29/19 for utility info from Eric Lien with Mission Engineering, acting as agent for the owner. Previous contact info was the Developer is Drew Patel Development, engineer was J. L. Trevino
3. Tract 8A6 – SE Corner of Huffmeister Road and White Oak Landing – Owner is NTV Group, designer is J.L. Trevino. Requesting utility capacity for 2 shell retail buildings, 11,925 SF of retail space, 1,089 gpd Water and 838 gpd Wastewater.
4. Tract 11B – Michoacani Meat Market & Shopping Center 13867 Cypress N Houston, just west of Cypress Junction Shopping Center. 11,000 SF Meat Market & 4,000 SF Shopping Center, 13.5 ESFC, 5,528 gpd Water and 4,253 gpd Wastewater.
5. Tract 17I (NW corner Huffmeister & Birdcall) - proposed Gas Station, Retail Center and Convenience Store. Vantani Consulting Engineers, Prasad Maragani, P.E.
6. Tract 17K3 – Southeast corner of Birdcall & Huffmeister Road, 240-unit apartment complex. Utility commitment requested by Johnathan Rosen with The Interfin Companies on 5/17/19.
7. Tract 19C4 - 3.263 ac Business Park (9 Buildings) located on east side of Huffmeister just north of Tuckerton – Proposed 40,000 SF business park buildings, 13.4 ESFC, 5,487 gpd Water, 4,221 gpd wastewater, Refugio Trejo, P.E. design engineer, Owner is Plaza On Huffmeister, LP.
8. Tract 19E – Industrial Business Park – A 108,280 SF Office/Warehouse Building is proposed within #61 requiring 16.9 ESFC or 5,492 gpd of water service from #61. A

92,800 SF & 66,980 SF building are proposed within HCMUD #188.

9. Tract 25A-C (NW corner of FM 1960 & Jones Road) Wingfield Partners, potential redevelopment of Bank Tract and relocation of detention pond. Tract 25A Proposed Fast Food Restaurant requesting Utility Capacity Letter, Ray Alcala w/ Jones & Carter Engineers. Reviewed plans and sent comments.
10. Tract 36F - 1.5628 acres south of Foxburo Drive & east side N. Eldridge Parkway. Plaza North Eldridge LLC is the owner and on 2/22/18 they requested 2,500 gpd capacity for a 17,032 SF Retail Center.

F. Potential Annexations

1. Proposed Annexation Tract 61 - 11003 Jones Road, a 2.4622-acre Tract, located just west of Apple Dentist - The Owner/Developer is Drew Patel with Patel-Tex, Inc. The landowner made a presentation to the Board on 7/20/16. The Owner's engineer, Catalyst Group, had previously requested Utility Capacity for a 2-story Motel with Commercial Kitchen and Banquet Hall, which was granted. The landowner paid the annexation study fee in March 2019. The engineering annexation study was presented to the Board at the 4/17/19 Board meeting.
2. Proposed Annexation Tract 62 – 11107 Jones Road, a 1.8352-acre tract located on the north side of Chelsea Oaks Drive west of Jones Road within the Crossbend Village Subdivision - HCAD #131-679-001-0001, proposed single-family or townhomes or Doctor Office. The updated Utility Commitment letter was approved at the 7/10/19 Board meeting.
3. Proposed Annexation Tract 63 / 6.96-acre Business Park, 11220 FM 1960 – Owner/developer is ASP 1960 LLC, contact is Josh Rendon, HCAD 0431900000043. Proposed 80-room hotel, 3,000 SF Restaurant, 10,000 SF Retail, Car Wash.

These 3 tracts will be combined into 1 annexation application.

APPLICATION FOR PAYMENT
WATER PLANT NO. 3 RECOATING
OWNER: HARRIS COUNTY FRESH WATER SUPPLY DISTRICT NO. 61
LAN PROJECT NO. 120-12134-000-600 (6.8)
CONTRACTOR: PARDALIS INDUSTRIAL ENTERPRISES, INC.

APPLICATION NO.: 1 PERIOD: 01/30/20 TO 03/25/20
APPLICATION DATE: 03/30/20

CONTRACT TIME

Contract Date:	<u>12/18/19</u>
Notice to Proceed:	<u>01/30/20</u>
Contract Calendar Days & Approved Time Extensions:	<u>150</u>
Calendar Days to Date:	<u>55</u>
Percent Time Used:	<u>37%</u>
Percent Complete:	<u>18%</u>

CONTRACT COST

Original Contract Amount:	<u>\$ 367,660.00</u>
Net Change Orders (See attached Change Order Summary):	<u>\$ -</u>
Current Contract Amount:	<u>\$ 367,660.00</u>
Work Complete to Date:	<u>\$ 66,730.00</u>
Less Amount Retained (10%):	<u>\$ (6,673.00)</u>
Less Previous Payment to Contractor:	<u>\$ -</u>
AMOUNT DUE THIS PAYMENT:	<u>\$ 60,057.00</u>

CONTRACTOR'S Certification:

The undersigned CONTRACTOR certifies that: (1) all previous progress payments received from OWNER on account of Work done under the Contract referred to above have been applied to discharge in full all obligations of CONTRACTOR incurred in connection with Work covered by prior Applications for Payment numbered 1 thru 1 inclusive; (2) title to all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to OWNER at time of payment free and clear of all liens, claims, security interest and encumbrances (except such as are covered by Bond acceptable to OWNER indemnifying OWNER against any such lien, claim, security interest or encumbrance); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and not defective as that term is defined in the Contract Documents.

CONTRACTOR: Pardalis industrial Enterprises, Inc.

By:  Date: 04/09/2020
Tony Saroukos

ENGINEER: Lockwood, Andrews & Newnam, Inc.

By:  Date: 04/09/2020
Kenrick Piercy, P.E.

APPROVED BY: Harris County Fresh Water Supply District No. 61

By: _____ Date: _____
Ben Solis, President

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APPLICATION NO. 1
APPLICATION DATE: 03/30/20

PERIOD: 01/30/20 TO 03/25/20

ITEM NO.	ITEM DESCRIPTION	UNIT	CONTRACT QUANTITY	COMPLETED			CONTRACT UNIT PRICE	AMOUNT
				THIS EST.	PREVIOUS	TO DATE		
1	Mobilization	LS	1	1	0	1	\$15,000.00	\$15,000.00
2	Surface Preparation of Exterior Surfaces of 250,000-gallon Ground Storage Tank No. 1 and Corresponding Exterior Tank Appurtenances, Including Abrasive Blasting, Complete in Place	LS	1	0	0	0	\$26,500.00	\$0.00
3	Coating of Exterior Surfaces of 250,000-gallon Ground Storage Tank No. 1 and Corresponding Exterior Tank Appurtenances, Complete in Place	LS	1	0	0	0	\$26,500.00	\$0.00
4	Surface Preparation of Interior Surfaces of 250,000-gallon Ground Storage Tank No. 1, Including Abrasive Blasting, Complete in Place	LS	1	1	0	1	\$30,500.00	\$30,500.00
5	Coating of Interior Surfaces of 250,000-gallon Ground Storage Tank No. 1, Complete in Place	LS	1	0.66	0	0.66	\$30,500.00	\$20,130.00
6	Miscellaneous Items for 250,000-gallon Ground Storage Tank No. 1, Including Surface Preparation and Coating of Interior Ladder and Bolts for Manway; Disinfection, Complete in Place	LS	1	0.5	0	0.5	\$2,200.00	\$1,100.00
7	Surface Preparation of Exterior Surfaces of 250,000-gallon Ground Storage Tank No. 2 and Corresponding Exterior Tank Appurtenances, Including Abrasive Blasting, Complete in Place	LS	1	0	0	0	\$26,500.00	\$0.00
8	Coating of Exterior Surfaces of 250,000-gallon Ground Storage Tank No. 2 and Corresponding Exterior Tank Appurtenances, Complete in Place	LS	1	0	0	0	\$26,500.00	\$0.00
9	Surface Preparation of Interior Surfaces of 250,000-gallon Ground Storage Tank No. 2, Including Abrasive Blasting, Complete in Place	LS	1	0	0	0	\$30,500.00	\$0.00
10	Coating of Interior Surfaces of 250,000-gallon Ground Storage Tank No. 2, Complete in Place	LS	1	0	0	0	\$30,500.00	\$0.00
11	Miscellaneous Items for 250,000-gallon Ground Storage Tank No. 2, Including Surface Preparation and Coating of Interior and Exterior Ladder, Bolts for Manway, and Existing Platform and Handrails Between Ground Storage Tanks; Weep Holes for Platform Between Ground Storage Tanks; Disinfection, Complete in Place	LS	1	0	0	0	\$5,000.00	\$0.00
12	Surface Preparation of Exterior Surfaces of 27,000-gallon Hydropneumatic Tank No. 1 and Corresponding Exterior Tank Appurtenances, Including Abrasive Blasting, Complete in Place	LS	1	0	0	0	\$4,750.00	\$0.00
13	Coating of Exterior Surfaces of 27,000-gallon Hydropneumatic Tank No. 1 and Corresponding Exterior Tank Appurtenances, Complete in Place	LS	1	0	0	0	\$4,750.00	\$0.00
14	Surface Preparation of Interior Surfaces of 27,000-gallon Hydropneumatic Tank No. 1, Including Abrasive Blasting, Complete in Place	LS	1	0	0	0	\$4,750.00	\$0.00

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APPLICATION NO. 1 PERIOD: 01/30/20 TO 03/25/20
APPLICATION DATE: 03/30/20

ITEM NO.	ITEM DESCRIPTION	UNIT	CONTRACT QUANTITY	COMPLETED			CONTRACT UNIT PRICE	AMOUNT
				THIS EST.	PREVIOUS	TO DATE		
15	Coating of Interior Surfaces of 27,000-gallon Hydropneumatic Tank No. 1, Complete in Place	LS	1	0	0	0	\$4,750.00	\$0.00
16	Miscellaneous Items for 27,000-gallon Hydropneumatic Tank No. 1, Including Bolts for The Manway; Disinfection, Complete in Place	LS	1	0	0	0	\$1,000.00	\$0.00
17	Surface Preparation of Exterior Surfaces of 27,000-gallon Hydropneumatic Tank No. 2 and Corresponding Exterior Tank Appurtenances, Including Abrasive Blasting, Complete in Place	LS	1	0	0	0	\$4,750.00	\$0.00
18	Coating of Exterior Surfaces of 27,000-gallon Hydropneumatic Tank No. 2 and Corresponding Exterior Tank Appurtenances, Complete in Place	LS	1	0	0	0	\$4,750.00	\$0.00
19	Surface Preparation of Interior Surfaces of 27,000-gallon Hydropneumatic Tank No. 2, Including Abrasive Blasting, Complete in Place	LS	1	0	0	0	\$4,750.00	\$0.00
20	Coating of Interior Surfaces of 27,000-gallon Hydropneumatic Tank No. 2, Complete in Place	LS	1	0	0	0	\$4,750.00	\$0.00
21	Miscellaneous Items for 27,000-gallon Hydropneumatic Tank No. 2, Including Bolts for Manway; Disinfection, Complete in Place	LS	1	0	0	0	\$1,000.00	\$0.00
22	Surface Preparation and Coating, Including Abrasive Blasting, of All Existing Above Ground Piping, Booster Pump Piping and Well Header Piping, Including Valves, Complete in Place	LS	1	0	0	0	\$14,000.00	\$0.00
23	Surface Preparation and Coating of Existing Generator Enclosure, Including Pressure Washing and Sanding, Complete in Place	LS	1	0	0	0	\$2,500.00	\$0.00
24	Surface Preparation and Coating of Existing Transformer, Including Pressure Washing and Sanding, Complete in Place	LS	1	0	0	0	\$1,300.00	\$0.00
25	Surface Preparation and Coating of Existing CMU Booster Pump Building, Including Doors, Trim, and Bollards to Match Existing, Complete in Place	LS	1	0	0	0	\$11,000.00	\$0.00
26	Surface Preparation of Exterior Surfaces of Aerial Water Line Crossing No. 1, Including Power Washing and Spot Repair, Complete in Place	LS	1	0	0	0	\$3,000.00	\$0.00
27	Coating of Exterior Surfaces of Aerial Water Line Crossing No. 1, Including all Valves, Complete in Place	LS	1	0	0	0	\$3,000.00	\$0.00
28	Surface Preparation of Exterior Surfaces of Aerial Water Line Crossing No. 2, Including Power Washing and Spot Repair, Complete in Place	LS	1	0	0	0	\$3,000.00	\$0.00
29	Coating of Exterior Surfaces of Aerial Water Line Crossing No. 2, Including all Valves, Complete in Place	LS	1	0	0	0	\$3,000.00	\$0.00

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 CONTRACTOR: PARDALIS INDUSTRIAL ENTERPRISES, INC.

APPLICATION NO. 1
 APPLICATION DATE: 03/30/20

PERIOD: 01/30/20 TO 03/25/20

ITEM NO.	ITEM DESCRIPTION	UNIT	CONTRACT QUANTITY	COMPLETED			CONTRACT UNIT PRICE	AMOUNT
				THIS EST.	PREVIOUS	TO DATE		
30	Surface Preparation of Exterior Surfaces of Aerial Water Line Crossing No. 3, Including Power Washing and Spot Repair, Complete in Place	LS	1	0	0	0	\$3,000.00	\$0.00
31	Coating of Exterior Surfaces of Aerial Water Line Crossing No. 3, Including all Valves, Complete in Place	LS	1	0	0	0	\$3,000.00	\$0.00
32	Surface Preparation of Exterior Surfaces of Aerial Water Line Crossing No. 4, Including Power Washing and Spot Repair, Complete in Place	LS	1	0	0	0	\$3,000.00	\$0.00
33	Coating of Exterior Surfaces of Aerial Water Line Crossing No. 4, Including all Valves, Complete in Place	LS	1	0	0	0	\$3,000.00	\$0.00
34	Surface Preparation of Exterior Surfaces of Aerial Water Line Crossing No. 5, Including Power Washing and Spot Repair, Complete in Place	LS	1	0	0	0	\$3,000.00	\$0.00
35	Coating of Exterior Surfaces of Aerial Water Line Crossing No. 5, Including all Valves, Complete in Place	LS	1	0	0	0	\$3,000.00	\$0.00
36	Surface Preparation of Exterior Surfaces of Aerial Water Line Crossing No. 6, Including Power Washing and Spot Repair, Complete in Place	LS	1	0	0	0	\$3,000.00	\$0.00
37	Coating of Exterior Surfaces of Aerial Water Line Crossing No. 6, Including all Valves, Complete in Place	LS	1	0	0	0	\$3,000.00	\$0.00
38	Surface Preparation of Exterior Surfaces of Aerial Water Line Crossing No. 7, Including Power Washing and Spot Repair, Complete in Place	LS	1	0	0	0	\$3,000.00	\$0.00
39	Coating of Exterior Surfaces of Aerial Water Line Crossing No. 7, Including all Valves, Complete in Place	LS	1	0	0	0	\$3,000.00	\$0.00
40	Steel Patches Welded Over Damaged Areas Due to Blasting, 6-Inch Diameter Patch, As Directed by Engineer, Complete in Place	EA	25	0	0	0	\$144.00	\$0.00
41	Site Restoration, Including Sodding of Disturbed Areas, Complete in Place	LS	1	0	0	0	\$3,000.00	\$0.00

TOTAL WORK COMPLETED TO DATE \$66,730.00

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 CONTRACTOR: PARDALIS INDUSTRIAL ENTERPRISES, INC.

APPLICATION NO. _____
 APPLICATION DATE _____

1
03/30/20

PERIOD: 01/30/20 TO 03/25/20

Legend
 _____ = Calendar Days ~~_____~~ = Non-Working Days

Month	Days															
Jan, 2020	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	17	18	19	20	21	22	23	24	25	26	27	28	29	30-NTP	31	
Feb	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
29	17	18	19	20	21	22	23	24	25	26	27	28	29			
Mar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
25	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Apr	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	17	18	19	20	21	22	23	24	25	26	27	28	29	30	30	
May	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
June	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
July	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Aug	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Sept	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
Oct	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Nov	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
Dec	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
55	Total Days to Date															

Contract Time Summary

Notice to Proceed	1/30/20
Original Contract Days	150
Previously Approved Non-Working Days Time Extension	0
Approved Non-Working Days Time Extension This Period	0
Previously Approved Time Extensions by Change Order	0
Approved Time Extensions This Period by Change Order	0
Total Contract Calendar Days and Approved Time Extensions	150
Substantial Completion	6/28/20

Days Used

Notice to Proceed	1/30/20
Previous Calendar Days	0
Calendar Days This Period	55
Total Days to Date	55
Actual Substantial Completion	

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