

**ENGINEER'S STATUS REPORT**  
**HARRIS COUNTY FRESH WATER SUPPLY DISTRICT No. 61**  
**February 17, 2021**



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

**A. Design – Construction Projects**

1. Water and Sanitary Relocations: North Eldridge Parkway at FM 1960 (12094) –

<u>Tasks</u>	<u>Date</u>	<u>Status</u>
<b><u>TxDOT Construction</u></b>	<b><u>Previous Schedule</u></b>	<b><u>New Schedule</u></b>
Bid	February 2021	Nov 2021
Award	March 2021	Dec 2021
Notice to Proceed	<b>June 2021</b>	<b>March 2022</b>
<b><u>TxDOT Reimbursement Agreement with HCFWSD #61</u></b>		
Phone meeting with TxDOT on Reimbursements	9/23/2020	Completed
Follow-up phone meeting with TxDOT	10/28/2020	Completed
Prepare Draft Reimbursement & Submit of for Review	2/17/2021	Pending
Submit Draft Reimbursement Agreement to TxDOT	2/24/2021	
Submit Final Reimbursement Agreement to TxDOT	3/24/2021	
Execute Final Reimbursement Agreement	4/1/2021	
<b><u>HCFWSD #61 Easements</u></b>		
44 Easement Surveys sent to Smith, Murdaugh	3/1/2020	Completed
5 Easement Surveys updated	6/1/2020	Completed
Receive easement values from Appraisers	8/14/2020	Completed
Receive estimated legal fees from Smith, Murdaugh	8/26/2020	Completed
Easements granted & recorded or right of entry obtained	<b>4/5/2021</b>	
<b><u>HCFWSD #61 Water &amp; Sanitary Relocation Plans</u></b>		
<b><u>Design</u></b>		
Project meeting with 61, LAN & Smith Murdaugh	10/29/2020	Completed
Submit plans for final review/approval	11/2/2020	Completed
Plans ready for approval, subject to easements	12/15/2020	Completed
Submit easements, Approval of Plans	1/12/2021	Pending
<b><u>Bidding</u></b>		
Authorization to Advertise for Re-Bid	12/7/2020	Completed
Advertise for Construction Bids	12/9/2020	Completed
Receive Construction Bids	1/12/2021	Completed
<b>Award Construction Contract</b>	<b>1/13/2021</b>	<b>Completed</b>
Execute Contract	2/17/20201	Pending
<b><u>Construction</u></b>		
Pre-Construction Meeting	3/1/2021	

<u>Tasks</u>	<u>Date</u>	<u>Status</u>
Start Construction	4/5/2021	Pending
Complete Construction	9/5/2021	

2. Sanitary Sewer Phase 7 & 9 Rehabilitation (12169) (BI 18) –The contractor is King Solution Services. Pay Application 6 was approved at the 1/20/21 Board meeting.

**ACTION ITEM** – Review and approve Pay Application 7, see pages 5 – 9.

3. 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 are being prepared.
4. 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	Sanitary Sewer 4 & 5 Rehabilitation (12021). P/L sent. MH's repairs being scheduled
12/12/20	2/12/21	Sanitary Sewer 6 Television (12049) All is good.
5/8/21	7/8/21	Wortham Falls DP Improvements (12188)
5/15/21	7/15/21	WP 3 & Aerial WL Crossings Recoating (12134)

### 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  
Renewal underway
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

Renewal underway

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.
9. Water Monitoring Plan  
Prepared and sent to the Assistant General Manager on 9/1/20

#### **D. Miscellaneous Projects**

1. Buildout Projections & System Capacity – We have completed the Alternative Capacity Study to determine the maximum number of connections that the water system can service and have submitted the report to the TCEQ on 10/1/20. We anticipate a response by 4/1/21.
2. Magellan Pipeline Easement – Assigned 8/9/18.
3. NHCRWA – We will be designing the #61 Chloramination Systems at each Water Plant for the NHCRWA Transmission Line Engineers. The Authority will be funding these systems.
4. Capital Improvement Plan (CIP) – No change
5. Bond Issue 18 – No change
6. Bond Issue 19 – No change

#### **E. Utility Commitments / Site Plan Reviews / Utility Requests**

1. Tract 4C-1, 0.9642 acres, 3,530 SF Retail – Requested service to 1 ESFC on 2/5/20.
2. Tract 4N2 – 0 Glenora, 3.1077 acres proposed townhomes – On 5/29/19 requested 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 – 8.3264 acre at SE corner of Birdcall & Huffmeister Road, proposed apartment complex – Utility capacity for 249 apartment units granted to Birdcall Land, LLC on 12/8/20. 38,536 gpd water and 29,643 gpd wastewater.
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 pa 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 2/10/21 they requested 2,500 gpd capacity for a 17,032 SF Retail Center.
11. Tract \_\_\_\_\_ - 2.46 acre tract, 11003 Jones Road – Annexation Study performed 4/17/19. Proposed 2-story motel with 50 guest rooms, a 2500 SF commercial kitchen and a 2000 SF Banquet Hall. Requesting 12,807 gpd water and wastewater service. Contact Catalyst Technical Group, Inc.

## **F. Potential Annexations**

No current activity

APPLICATION FOR PAYMENT  
 SANITARY SEWER PHASES 7 & 9 REHABILITATION  
 OWNER: HARRIS COUNTY FRESH WATER SUPPLY DISTRICT NO. 61  
 LAN PROJECT NO. 120-12169-000-600 (6.8)  
 CONTRACTOR: KING SOLUTION SERVICES, LLC

APPLICATION NO.: 7 PERIOD: 12/26/20 TO 01/25/21  
 APPLICATION DATE: 02/11/21

CONTRACT TIME

Contract Date:	<u>04/28/20</u>
Notice to Proceed:	<u>05/25/20</u>
Contract Calendar Days & Approved Time Extensions:	<u>274</u>
Calendar Days to Date:	<u>245</u>
Percent Time Used:	<u>89%</u>
Percent Complete:	<u>77%</u>

CONTRACT COST

Original Contract Amount:	<u>\$ 1,387,650.00</u>
Adjustment in Quantities:	<u>\$ -</u>
Net Change Orders (See attached Change Order Summary):	<u>\$ -</u>
Current Contract Amount:	<u>\$ 1,387,650.00</u>
Work Complete to Date:	<u>\$ 1,068,142.00</u>
Less Amount Retained (10%):	<u>\$ (106,814.20)</u>
Less Previous Payment to Contractor:	<u>\$ (786,089.25)</u>
AMOUNT DUE THIS PAYMENT:	<u>\$ 175,238.55</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 7 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: King Solution Services, LLC

By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Mario Jaimes

ENGINEER: Lockwood, Andrews & Newnam, Inc.

By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Jacob W. Kocurek, P.E.

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

By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Darrell A. Barroso, President

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APPLICATION DATE: 02/11/21

PERIOD: 12/26/20 TO 01/25/21

ITEM NO.	ITEM DESCRIPTION	UNIT	CONTRACT QUANTITY	COMPLETED			CONTRACT UNIT PRICE	AMOUNT
				THIS EST.	PREVIOUS	TO DATE		
1	Pre-Installation Cleaning and Televising, All Depths and Diameters, Complete in Place	LF	1,465	0	0	0	\$4.50	\$0.00
2	Cleaning 15" Sanitary Sewer Lines, Complete in Place	LF	1,334	0	0	0	\$2.50	\$0.00
3	Televising 15" Sanitary Sewer Lines, Complete in Place	LF	1,334	0	0	0	\$2.00	\$0.00
4	Pipe Bursting 8" Sanitary Sewer, 0'-8' Deep, Complete in Place	LF	12,309	506	11,896	12,402	\$28.00	\$347,256.00
5	Pipe Bursting 8" Sanitary Sewer, 8'-12' Deep, Complete in Place	LF	8,227	853	7,041	7,894	\$30.50	\$240,767.00
6	Pipe Bursting 8" Sanitary Sewer, 12'-16', Deep Complete in Place	LF	1,307	301	357	658	\$42.00	\$27,636.00
7	Pipe Bursting 10" Sanitary Sewer, 12'-16' Deep, Complete in Place	LF	166	0	0	0	\$60.00	\$0.00
8	Pipe Bursting 12" Sanitary Sewer, 12'-16' Deep, Complete in Place	EA	280	373	0	373	\$68.00	\$25,364.00
9	Service Repair for Existing 8" Sanitary Sewer, 8'-12' Deep, Complete in Place	EA	1	0	0	0	\$1,100.00	\$0.00
10	Service Repair for Existing 8" Sanitary Sewer, 12'-16' Deep, Complete in Place	EA	1	0	0	0	\$1,500.00	\$0.00
11	Combination Point and Service Repair and Reconnection by Excavation for Existing 8" Sanitary Sewer, 8'-12' Deep, Complete in Place	EA	1	0	0	0	\$2,500.00	\$0.00
12	Point Repair for Existing 10" Sanitary Sewer, 12'-16' Deep, Complete in Place	EA	5	0	0	0	\$2,000.00	\$0.00
13	Point Repair for Existing 10" Sanitary Sewer, 16'-20' Deep, Complete in Place	EA	3	0	0	0	\$4,500.00	\$0.00
14	Service Reconnection by Excavation, Complete in Place	EA	580	42	447	489	\$410.00	\$200,490.00
15	Trench Safety System 5' Deep and Greater, Complete in Place	LF	3,825	280	2,950	3,230	\$2.00	\$6,460.00
16	Rehabilitation of WOL3-575 to WOL3-576 including Pre-Installation Televising of Line, Pipe Bursting, Removal and Replacement of Sag in Line to Existing Alignment, Installation of Drop Stack, Bypass Pumping, As Shown in the Drawings, Complete in Place	LS	1	1	0	1	\$21,800.00	\$21,800.00
17	Rehabilitation of WOL3-524 to WOL3-525 including Pre-Installation Televising of Line, Trenchless Installation of Proposed Sanitary Sewer Lines, Pipe Bursting, Installation of Clean Out, Abandonment and Fill of Existing Manhole, Abandonment of Sanitary Sewer Lines, Bypass Pumping, As Shown in the Drawings, Complete in Place	LS	1	0	0	0	\$23,500.00	\$0.00

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ITEM NO.	ITEM DESCRIPTION	UNIT	CONTRACT QUANTITY	COMPLETED			CONTRACT UNIT PRICE	AMOUNT
				THIS EST.	PREVIOUS	TO DATE		
18	Rehabilitation of WOL3-527 to WOL3-528 including Pre-Installation Televising of Line, Pipe Bursting, and Bypass Pumping, As Shown in the Drawings, Complete in Place	LS	1	0	0	0	\$17,930.00	\$0.00
19	Repair Sanitary Sewer Manholes with Cementitious Material to a Minimum Thickness of 1-Inch, Including Antimicrobial Additive, Complete in Place	VLF	863	271	395	666	\$150.00	\$99,900.00
20	Rebuild Bench, Complete in Place	EA	50	16	21	37	\$510.00	\$18,870.00
21	Rebuild Invert and Remove Fixed Debris, Complete in Place	EA	22	9	9	18	\$510.00	\$9,180.00
22	Remove and Replace Sanitary Sewer Manhole Frame and Cover, Complete in Place – For All Size Manhole Lids	EA	85	6	28	34	\$890.00	\$30,260.00
23	Grout Exterior of Sanitary Sewer Manhole Frame, Complete in Place	EA	30	15	12	27	\$275.00	\$7,425.00
24	Raise Sanitary Sewer Manhole to One-Inch Above Existing Ground Level, Complete in Place	EA	29	11	10	21	\$600.00	\$12,600.00
25	Repair Sanitary Sewer Manhole Cone & Throat Only with Cementitious Material, Including Antimicrobial Additive, Complete in Place	EA	29	5	7	12	\$605.00	\$7,260.00
26	Reset and Reseal Sanitary Sewer Manhole Frame and Cover, Complete in Place	EA	8	6	5	11	\$580.00	\$6,380.00
27	Remove and Relocate Pipe and/or Cable Through Sanitary Sewer, Complete in Place	EA	1	0	0	0	\$1,500.00	\$0.00
28	Locate Manhole, as Directed by Engineer	EA	1	0	2	2	\$150.00	\$300.00
29	Proposed 4' Diameter Pre-cast Concrete Manhole, Complete in Place	EA	3	0	0	0	\$4,500.00	\$0.00
30	Remove and Replace Concrete Pavement, including Curb and Gutter, Subgrade, All Thicknesses, As Directed by Engineer	SY	300	10.20	55.00	65.20	\$95.00	\$6,194.00
31	Site Restoration, Including Removing and Replacing Concrete Sidewalks and Driveways, Damaged Turf, Plants, Shrubs, Fences and Trees, as Required	LS	1	0	0	0	\$20,000.00	\$0.00
32	Implementation and Maintenance of Traffic Control Plan, Complete in Place	LS	1	0	0	0	\$5,000.00	\$0.00

TOTAL WORK COMPLETED TO DATE \$1,068,142.00

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APPLICATION NO. \_\_\_\_\_  
 APPLICATION DATE \_\_\_\_\_

7  
02/11/21

PERIOD: 12/26/20 TO 01/25/21

**Legend**  
 \_\_\_\_\_ = Calendar Days      ~~XXXX~~ = Non-Working Days

Month	Days															
May	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>6</b>	17	18	19	20	21	22	23	24	<b>25-NTP</b>	26	27	28	29	30	31	
June, 2020	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>30</b>	17	18	19	20	21	<del>22</del>	<del>23</del>	<del>24</del>	<del>25</del>	<del>26</del>	27	28	29	30		
July	1	2	3	4	5	6	7	8	9	10	11	12	<del>13</del>	<del>14</del>	<del>15</del>	16
<b>31</b>	17	18	19	20	<del>21</del>	<del>22</del>	23	24	25	26	<del>27</del>	<del>28</del>	29	30	31	
Aug	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>31</b>	17	18	19	20	<del>21</del>	<del>22</del>	<del>23</del>	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
<b>30</b>	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
Oct	1	2	3	4	5	6	7	8	9	<del>10</del>	11	12	13	14	15	16
<b>31</b>	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
<b>30</b>	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
<b>31</b>	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Jan, 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>25</b>	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Feb	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			
Mar	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	
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	

**245**

**Contract Time Summary**

Notice to Proceed	5/25/20
Original Contract Days	260
Previously Approved Non-Working Days Time Extension	14
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	274
Substantial Completion	2/23/21

**Days Used**

Notice to Proceed	5/25/20
Previous Calendar Days	214
Calendar Days This Period	31
Total Days to Date	<b>245</b>
Actual Substantial Completion	