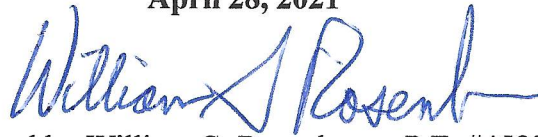


**ENGINEER'S STATUS REPORT**  
**HARRIS COUNTY FRESH WATER SUPPLY DISTRICT No. 61**  
**April 28, 2021**



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 for Client Review	2/17/2021	Completed
Submit Draft Reimbursement Agreement to TxDOT	2/24/2021	Not done yet
Submit Final Reimbursement Agreement to TxDOT	3/24/2021	Not done yet
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
Condemnation Hearing held for LS Fee & All Easements	3/1/2021	Completed
Condemnation 2 <sup>nd</sup> Hearing (45 days after 1 <sup>st</sup> Hearing)	4/15/2021	Completed
Condemn. Commissioner's award TxDOT portion of LS site	4/15/2021	Completed
Easements granted or possession, <b>see page 5 for status</b>		
Balance of Easements to be acquired by	6/1/2021	
<b><u>HCFWSD #61 Water &amp; Sanitary Relocations</u></b>		
Award Construction Contract	1/13/2021	Completed
Execute Contract	2/17/2020	Completed
Plans approved	3/1/2021	Completed
Pre-Construction Meeting	3/24/2021	Completed
Notice to Proceed (150 Contract Days)	3/24/2021	Completed
Board Action-Review and Approve Change Order 1	3/24/2021	Completed
Submittal Review & Approval	4/5/2021	Completed
Contractor to order PVC Pipe	4/8/2021	Completed
Contractor's PVC Pipe delivered to WWTP 2	5/8/2021	Pending

Earliest Start Construction Date	5/8/2021
Latest Start Construction Date (after receipt of easements)	6/1/2021
Earliest Construction Completed Date (150 CD)	10/8/2021
Latest Construction Completed Date (150 CD)	11/1/2021

2. Sanitary Sewer Phase 7 & 9 Rehabilitation (12169) (BI 18) –The contractor is King Solution Services. Pay Application 7 was approved at the 2/24/21 Board meeting. Change Order 1 was approved at 3/24/21 Board meeting.

**ACTION ITEM** – Review and Approve Pay Application 8, see pages 6 - 11.

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>
5/8/21	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 is due **6/30/21**, the 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**. **Underway.**
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**. **Underway.**
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.
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. On-going support.
3. NHCRWA – We are designing the Chloramination Systems at each 61 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

Parcel	Owner
	<b>Green = Acquired, Yellow is Pending</b>
4	Eldridge Crossing, Ltd.
5	Eldridge Crossing, Ltd.
6	Palm Springs Plaza, L.L.C.
7	Eldridge Crossing, Ltd.
8	Insite Houston Limited Partnership (Car Spa)
9	Palm Springs Plaza, L.L.C.
10a	MB Houston Eldridge Town Center Limited Partnership
10b	MB Houston Eldridge Town Center Limited Partnership
11	McMillian Investments, Inc.
12	MB Houston Eldridge Town Center Limited Partnership
13	Wal-Mart Stores East, Inc.
15	Briarwood 1960, LP
16	MB Houston Eldridge Town Center Limited Partnership
17	Kohl's Illinois, Inc.
18	Chick-Fil-A, Inc.
19	Compass Bank
20	Fatemeh Family Living Trust
21	MB Houston Eldridge Town Center Limited Partnership
22	MB Houston Eldridge Town Center Limited Partnership
23	MB Houston Eldridge Limited Partnership
24	Windemere Lakes, LLC
25	Eldridge Crossing, Ltd.
27	Target Corporation
28	MB Houston Eldridge Town Center Limited Partnership
30	Palm Springs Plaza, L.L.C.
32	Goodrich Venture, Ltd, Goodrich Company, L.L.C.
	<b>Updated 04.27.2021</b>



**Lockwood, Andrews  
& Newnam, Inc.**  
A LEO A DALY COMPANY

April 2, 2021

Board of Directors  
Harris County Fresh Water Supply District No. 61  
13205 Cypress-N. Houston Road  
Cypress, Texas 77429

RE: Sanitary Sewer Phases 7 & 9 Rehabilitation  
Harris County Fresh Water Supply District No. 61  
LAN Project No. 120-12169-000-600 (6.8)

Dear Directors:

Attached is Application for Payment No. 8 submitted by King Solution Services, LLC in the amount of \$163,359.41 for the above referenced project. The district has chosen to waive liquidation damages at this time.

We have reviewed this Pay Application and recommend payment by Harris County Fresh Water Supply District No. 61 in the amount stated. Please return the executed original to the District Engineer for further distribution.

If there are any questions, please feel free to contact me directly at 713-821-0307.

Sincerely,

Jacob W. Kocurek, P.E.  
Project Engineer

JWK:ls

Enclosures

cc: Jerry Homan – HCFWSD No. 61 (w/encl)  
Jennifer Seipel – Smith, Murdaugh, Little & Bonham (w/encl)  
TCEQ - Region 12 Office



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. 8  
APPLICATION DATE: 04/02/21

PERIOD: 01/26/21 TO 03/25/21

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	1,465	0	1,465	\$4.50	\$6,592.50
2	Cleaning 15" Sanitary Sewer Lines, Complete in	LF	1,334	224	0	224	\$2.50	\$560.00
3	Televising 15" Sanitary Sewer Lines, Complete in Place	LF	1,334	224	0	224	\$2.00	\$448.00
4	Pipe Bursting 8" Sanitary Sewer, 0'-8' Deep, Complete in Place		12,309					
	<b>Adjustment in Bid Item - Add</b>		329					
		LF	12,638	236	12,402	12,638	\$28.00	\$353,864.00
5	Pipe Bursting 8" Sanitary Sewer, 8'-12' Deep, Complete in Place		8,227					
	<b>Deduct Per Change Order No. 1</b>		(367)					
		LF	7,860	0	7,894	7,894	\$30.50	\$240,767.00
6	Pipe Bursting 8" Sanitary Sewer, 12'-16', Deep Complete in Place		1,307					
	<b>Deduct Per Change Order No. 1</b>		(425)					
		LF	882	404	658	1,062	\$42.00	\$44,604.00
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		280					
	<b>Adjustment in Bid Item - Add</b>		93					
		EA	373	0	373	373	\$68.00	\$25,364.00
9	Service Repair for Existing 8" Sanitary Sewer, 8'-12' Deep, Complete in Place	EA	1	1	0	1	\$1,100.00	\$1,100.00
10	Service Repair for Existing 8" Sanitary Sewer, 12'-16' Deep, Complete in Place	EA	1	1	0	1	\$1,500.00	\$1,500.00
11	Combination Point and Service Repair and Reconnection by Excavation for Existing 8" Sanitary Sewer, 8'-12' Deep, Complete in Place	EA	1	1	0	1	\$2,500.00	\$2,500.00
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		580					
	<b>Deduct Per Change Order No. 1</b>		(19)					
		EA	561	11	489	500	\$410.00	\$205,000.00
15	Trench Safety System 5' Deep and Greater, Complete in Place	LF	3,825	75	3,230	3,305	\$2.00	\$6,610.00
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	LS	1	0	1	1	\$21,800.00	\$21,800.00



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. 8  
APPLICATION DATE: 04/02/21

PERIOD: 01/26/21 TO 03/25/21

ITEM NO.	ITEM DESCRIPTION	UNIT	CONTRACT QUANTITY	COMPLETED			CONTRACT UNIT PRICE	AMOUNT
				THIS EST.	PREVIOUS	TO DATE		
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	1	0	1	\$23,500.00	\$23,500.00
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	1	0	1	\$17,930.00	\$17,930.00
19	Repair Sanitary Sewer Manholes with Cementitious Material to a Minimum Thickness of 1-Inch, Including Antimicrobial Additive, Complete in Place	VLF	863	174	666	840	\$150.00	\$126,000.00
20	Rebuild Bench, Complete in Place	EA	50	8	37	45	\$510.00	\$22,950.00
21	Rebuild Invert and Remove Fixed Debris, Complete in Place	EA	22	4	18	22	\$510.00	\$11,220.00
22	Remove and Replace Sanitary Sewer Manhole Frame and Cover, Complete in Place – For All Size Manhole Lids	EA	85	30	34	64	\$890.00	\$56,960.00
23	Grout Exterior of Sanitary Sewer Manhole Frame, Complete in Place	EA	30	1	27	28	\$275.00	\$7,700.00
24	Raise Sanitary Sewer Manhole to One-Inch Above Existing Ground Level, Complete in Place	EA	29	2	21	23	\$600.00	\$13,800.00
25	Repair Sanitary Sewer Manhole Cone & Throat Only with Cementitious Material, Including Antimicrobial Additive, Complete in Place	EA	29	4	12	16	\$605.00	\$9,680.00
26	Reset and Reseal Sanitary Sewer Manhole Frame and Cover, Complete in Place		8					
	<b>Adjustment in Bid Item - Add</b>		3					
		EA	11	0	11	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		1					
	<b>Adjustment in Bid Item - Add</b>		1					
		EA	2	0	2	2	\$150.00	\$300.00
29	Proposed 4' Diameter Pre-cast Concrete Manhole, Complete in Place	EA	3	3	0	3	\$4,500.00	\$13,500.00
30	Remove and Replace Concrete Pavement, including Curb and Gutter, Subgrade, All Thicknesses, As Directed by Engineer	SY	300	82.40	65.21	147.61	\$95.00	\$14,022.95
31	Site Restoration, Including Removing and Replacing Concrete Sidewalks and Driveways, Damaged Turf, Plants, Shrubs, Fences and Trees, as Required	LS	1	0.75	0	0.75	\$20,000.00	\$15,000.00

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. 8  
 APPLICATION DATE: 04/02/21

PERIOD: 01/26/21 TO 03/25/21

ITEM NO.	ITEM DESCRIPTION	UNIT	CONTRACT QUANTITY	COMPLETED			CONTRACT UNIT PRICE	AMOUNT
				THIS EST.	PREVIOUS	TO DATE		
32	Implementation and Maintenance of Traffic Control Plan, Complete in Place	LS	1	0	0	0	\$5,000.00	\$0.00
	<b>Change Order No. 1</b>							
33	Clean, Remove Debris, and Televiser Sanitary Sewer Line HCFWCD61-1056 to HCFCD61-1067, Complete in Place	HR	380	0	0	0	\$5.00	\$0.00
34	Pipe Bursting for Existing 16" Sanitary Sewer, 16'-20' Deep, Complete in Place	LF	101	0	0	0	\$165.00	\$0.00
35	Cured-in-Place Pipe for Existing 8" Sanitary Sewer, All Depths, Complete in Place	LF	792	0	0	0	\$491.00	\$0.00
36	Service Reconnection on Cured-in-Place Pipe by Internal Cut, Full Opening, All Depths, Complete in Place	EA	19	0	0	0	\$150.00	\$0.00

TOTAL WORK COMPLETED TO DATE \$1,249,652.45

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. 8  
 APPLICATION DATE 04/02/21

PERIOD: 01/26/21 TO 03/25/21

**Legend**  
       = Calendar Days       = Non-Working Days

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

305

**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 No. 1	15
Total Contract Calendar Days and Approved Time Extensions	289
Substantial Completion	3/10/21

**Days Used**

Notice to Proceed	5/25/20
Previous Calendar Days	245
Calendar Days This Period	60
Total Days to Date	<input type="text" value="305"/>
Actual Substantial Completion	<input type="text"/>