ENGINEER'S STATUS REPORT HARRIS COUNTY FRESH WATER SUPPLY DISTRICT No. 61 July 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) –

Tasks		Date	Status
TxDOT Construction	Previous Schedule	New Schedu	le
Bid	February 2021	Nov 2021	
Award	March 2021	Dec 2021	
Notice to Proceed	June 2021	March 2022	
	at Agreement with HCFWSD #61		200000 OW AND
Phone meeting with TxD		9/23/2020	Completed
Follow-up phone meetin		10/28/2020	Completed
Prepare Draft Reimburse		2/17/2021	Completed
	ment Agreement to TxDOT	6/29/2021	Completed
	ment Agreement to TxDOT	7/29/2021	
Execute Final Reimburse	ement Agreement	8/15/2021	
TE CHITE ICE U.C.			
HCFWSD #61 Easemen		0.44.40.000	~
44 Easement Surveys ser		3/1/2020	Completed
5 Easement Surveys upd		6/1/2020	Completed
Receive easement values		8/14/2020	Completed
10 miles	Fees from Smith, Murdaugh	8/26/2020	Completed
	aeld for LS Fee & All Easements	3/1/2021	Completed
	ng (45 days after 1st Hearing)	4/15/2021	Completed
	r's award TxDOT portion of LS site	4/15/2021	Completed
Easements granted or pos			On-going
Balance of Easements to	be acquired by	6/1/2021	
TICINALCID UCA TAL			
HCFWSD #61 Water &		0/04/0001	G 1 . 1
Notice to Proceed (150 C	• 1	3/24/2021	Completed
	d Approve Change Order 1	3/24/2021	Completed
Submittal Review & App		4/5/2021	Completed
Contractor to order PVC	1	4/8/2021	Completed
Contractor's PVC Pipe d		5/8/2021	Completed
	after receipt of easements)		
Earliest Construction Con			
Latest Construction Com	pleted Date (150 CD)		

ACTION ITEM – Review and approve Pay Application 1, pages 5 - 10.

- 2. <u>Sanitary Sewer Phase 7 & 9 Rehabilitation (12169) (BI 18)</u> –The contractor is King Solution Services. Pay Application 8 was approved at the 4/28/21 Board meeting.
- 3. <u>WWTP No. 2 (Hastings Green) Lift Station Rehabilitation (12176)</u> The Preliminary Engineering Report was presented to the Board at the 2/12/20 meeting. The rehab plans are being prepared.
- 4. <u>WWTP No. 1 (Barwood) Lift Station & Remaining District Lift Stations</u> The Preliminary Engineering Report was presented to the Board at the 2/19/20 meeting.

B. Construction Warranty Status

None currently

C. Permit / Plan Status

- 1. <u>America's Water Infrastructure Act (AWIA) of 2018</u> The Risk and Resilience Assessment was certified and submitted to the EPA on 6/14/2021. The Emergency Response Plan is due on 12/14/21.
- 2. <u>Barwood WWTP No. 1 TPDES Discharge Permit 10876-001</u> Issued: 7/18/2017, Expires: 3/1/2022. Start permit renewal on 3/1/2021 and submit by 9/1/2021.
- 3. <u>Barwood WWTP #1 Storm Water Pollution Prevention Permit (SWPPP)</u>
 Issued: 8/14/2016, Expires: 8/14/2021 and due within 90 days. Start permit renewal on 8/14/2021.
- 4. <u>Hastings Green WWTP No. 2 TPDES Permit No. 10876-002</u> Issued: 7/6/2017, Expires: 3/1/2022. Start permit renewal on 3/1/2021 and submit by 9/1/2021.
- 5. <u>Hastings Green WWTP No. 2 Storm Water Pollution Prevention Permit (SWPPP)</u> Issued: 8/14/16 Expires: 8/14/2021 and due within 90 days. Start permit renewal on 8/14/21.
- 6. <u>Water Conservation Plan (WCP)</u> Next Plan Update due: **5/1/2024**
- 7. <u>Drought Contingency Plan (DCP)</u> Next Plan Update due: 5/1/2024
- 8. <u>TCEQ Emergency Preparedness Plan</u>
 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. <u>Water Monitoring Plan</u>
Prepared and sent to the Assistant General Manager on 9/1/20

D. Miscellaneous Projects

- 1. <u>Buildout Projections & System Capacity</u> We received approval of the ACR from the TCEQ on 5/28/2021. The requirement for Elevated Storage has been reduced from 100 gallons per connection to 70 gallons per connection. The existing system of 6,939 connections and the future system of 7600 connections will be provided service in one pressure plane. No additional EST's are anticipated.
- 2. <u>Magellan Pipeline Easement</u> Assigned 8/9/18. On-going support.
- 3. NHCRWA We are designing the Chloramination Systems at each of the #61 Water Plants for the NHCRWA Transmission Line Engineers. The Authority will be funding the construction of these systems with the operations, repair & maintenance to be funded b HCFWSD #61. The Authority sent confirmation letters that they will be handing off the facilities to HCFWSD #61.
- 4. <u>Capital Improvement Plan (CIP)</u> No change
- 5. <u>Bond Issue 18</u> No change
- 6. Bond Issue 19 No change

E. Site Plans / Utility Commitments

- 1. <u>Tract 36F 1.5628 acres south of Foxburo Drive & east side N. Eldridge Parkway</u> 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.
- 2. <u>Tract 2.46 acre tract,11003 Jones Road</u> 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.
- 3. <u>Tract 12210 FM 1960 W</u> **Redevelopment** of Chase Bank Building site into a **2,325 SF Chipotle Fast Food Restaurant.** InvenTrust is the owner. Requesting service to 4.9 ESFC, 1587 gpd Water, 1221 gpd Wastewater.
- 4. <u>Tract</u> 12611 FM 1960 W Redevelopment of Steak N Shake into a 3,776 SF Valvoline Oil Service Shop. Requesting service to 1.0 ESFC, 325 gpd Water, 250 gpd Wastewater.
- 5. <u>Tract</u> 11006 FM 1960 W Redevelopment of Taco Cabana into a Whataburger Fast Food Restaurant. Requesting service to 6.15 ESFC, 2000 gpd Water, 1538 gpd

Wastewater.

F. Potential Annexations

No current activity

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APPLICATION FOR PAYMENT
FM 1960 AND ELDRIDGE PKWY UTILITY RELOCATIONS
OWNER: HARRIS COUNTY FRESH WATER SUPPLY DISTRICT NO. 61
LAN PROJECT NO. 120-12094-000-600 (6.8)
CONTRACTOR: PERSONS SERVICES CORP.

APPLICATION NO.: 1 APPLICATION DATE: 07/26/21	PERIOD:	04/24/21	то	07/25/21		
<u>CONTRACT TIME</u>						
Contract Date:			02/24/2	l		
Notice to Proceed:		04/24/21				
Contract Calendar Days & Approved Time Extensions:			15	0		
Calendar Days to Date:			C			
Percent Time Used:			0%)		
Percent Complete:			5%))		
CONTRACT COST						
Original Contract Amount:			\$ 2,380,370.00	·		
Adjustment in Quantities:			\$ -			
Net Change Orders (See attached Change Order Summ			\$ 34,400.60			
(Includes Change Order No. Current Contract Amount:	1)		\$ 2,414,770.60			
Work Complete to Date:			\$ 125,926.00	5		
(Materials on Hand Only) Less Amount Retained (10%):		_	\$ (12,592.60)			
Less Previous Payment to Contractor:			\$ -			
AMOUNT DUE THIS PAYMENT:			\$ 113,333.40			
CONTRACTOR'S Certification:						
The undersigned CONTRACTOR certifies that: (1) all prounder the Contract referred to above have been applied to with Work covered by prior Applications for Payment number of the properties of the properties of the properties of the payment free and clear of all liens, claims, security interest of the payment indemnifying OWNER against any such lien, claims for Payment is in accordance with the Contra Documents.	discharge in full all obligations mbered 1 thru 1 inclusive; (2) t d by this Application for Paym et and encumbrances (except su aim, security interest or encum	s of CONTR itle to all Wo ent will pass ch as are co brance); and	ACTOR incurred ork, materials and to OWNER at to vered by Bond ac (3) all Work covers	in connection equipment ime of ceptable to ered by this		
CONTRACTOR: Person Services Corp.						
By: Michael McEnery		Date: _				
ENGINEER: Lockwood, Andrews & Newnam, Inc.						
By: Luis Sanabria, P.E.		Date: _				
APPROVED BY: Harris County Fresh Water Supply Dis	trict No. 61					
By: Darrell A. Barroso, President	na Salas dua	Date: _				

APPLICATION FOR PAYMENT FM 1960 AND ELDRIDGE PKWY UTILITY RELOCATIONS OWNER: HARRIS COUNTY FRESH WATER SUPPLY DISTRICT NO. 61 LAN PROJECT NO. 120-12094-000-600 (6.8)

CONTRACTOR: PERSONS SERVICES CORP.

APPLICATION NO. PERIOD: 04/24/21 TO 07/25/21 APPLICATION DATE: 07/26/21

ITEM			I contro a con	LCOLEN ETER			I CONTRACT	~
NO.	ITEM DESCRIPTION	UNIT	CONTRACT QUANTITY	THIS EST.	PREVIOUS	TO DATE	CONTRACT UNIT PRICE	AMOUNT
1	Water Line 8-Inch AWWA C-900 Water Line by Trenchless Construction, All Depths, Including Restrained Joints, Bends, and Fittings, Complete in Place	LF	8	0	0	0	\$100.00	\$0.00
2	12-Inch AWWA C-900 Water Line by Trenchless Construction, All Depths, Including Restrained Joints, Bends and Fittings, Complete in Place	LF	2,792	0	0	0	\$120.00	\$0.00
3	12-Inch AWWA C-900 Water Line with Steel Casing by Trenchless Construction, All Depths, Including Restrained Joints, Bends and Fittings, Complete in Place	LF	452	0	0	0	\$180.00	\$0.00
4	AWWA C-900 Water Line Offset on Existing Water Line, All Depths and Diameters, Including Bends, Fittings, and Wet Connect, Complete in Place	EA	3	0.257619	0	0	\$10,500.00	\$2,705.00
5	Fire Hydrant Assembly with Connection to Existing Water Line by Tapping Sleeve and Valve, Including Lead, All Depths, Complete in Place	EA	4	0	0	0	\$6,500.00	\$0.00
6	Fire Hydrant Assembly with Connection to Proposed Water Line, Including Lead and 6-Inch Gate Valve, All Depths, Complete in Place	EA	8	0	0	0	\$7,000.00	\$0.00
7	Removal of Existing Fire Hydrant Assembly, Including Lead and 6-Inch Gate Valve, All Depths, Complete in	EA	11	0	0	0	\$2,800.00	\$0.00
8	8-Inch Gate Valve, Complete in Place	EA	1	0	0	0	\$2,500.00	\$0.00
9	12-Inch Gate Valve, Complete in Place	EA	12	0	0	0	\$5,000.00	\$0.00
10	Service Tap, All Diameters, on 8-Inch Water Line, Including Corporation Valve and Ball Valve Curb Stop; Installation of New Meter Box; Installation of New Water Meter and Meter Box Lid Provided by HCFWSD 61 with Connection to New Service Line; and Relocation of Existing Backflow Preventer with Connections to New Water Meter and Existing Service Line, Complete in Place	EA	2	0	0	0	\$4,000.00	\$0.00
11	Service Tap, All Diameters, on 12-Inch Water Line, Including Corporation Valve and Ball Valve Curb Stop; Installation of New Meter Box; Installation of New Water Meter and Meter Box Lid Provided by HCFWSD 61 with Connection to New Service Line; and Relocation of Existing Backflow Preventer with Connections to New Water Meter and Existing Service Line, Complete in Place	EA	15	0	0	0	\$5,000.00	\$0.00
	Air Release and Vacuum Relief Valve on Water Line with Manhole, All Depths, Complete in Place	EA	2	0	0	0	\$12,000.00	\$0.00
13	8-Inch Wet Connection, Complete in Place	EA	4	0	0	0	\$2,800.00	\$0.00
14	12-Inch Wet Connection, Complete in Place	EA	5	0	0	0	\$3,000.00	\$0.00
15	Cut, Drain, Grout, Cap, and Abandon 8 Inch Water Line, All Depths, Complete in Place	LF	144	0	0	0	\$15.00	\$0.00
16	Cut, Drain, Grout, Cap, and Abandon 12 Inch Water Line, All Depths, Complete in Place	LF	3,073	0	0	0	\$25.00	\$0.00

APPLICATION FOR PAYMENT FM 1960 AND ELDRIDGE PKWY UTILITY RELOCATIONS OWNER: HARRIS COUNTY FRESH WATER SUPPLY DISTRICT NO. 61 LAN PROJECT NO. 120-12094-000-600 (6.8)

CONTRACTOR: PERSONS SERVICES CORP.

APPLICATION NO. APPLICATION DATE:

PERIOD: 04/24/21 TO 07/25/21 07/26/21

ITEM			CONTRACT	COMPLETED			CONTRACT	Τ
NO.	ITEM DESCRIPTION	UNIT	QUANTITY	THIS EST.	PREVIOUS	TO DATE	UNIT PRICE	AMOUNT
17	Sanitary Sewer 8-Inch SDR 26 Sanitary Sewer by Trenchless Construction, All Depths, Complete in Place	LF	1,803	387.6625	0	387.6625	\$80.00	\$31,013.00
18	8-Inch SDR 26 Sanitary Sewer with Steel Casing by Trenchless Construction, All Depths, Complete in Place	LF	266	23.67368	0	23.67368	\$190.00	\$4,498.00
19	10-Inch SDR 26 Sanitary Sewer by Trenchless Construction, All Depths, Complete in Place	LF	744	82.23	0	82.23	\$200.00	\$16,446.00
20	12-Inch SDR 26 Sanitary Sewer by Trenchless Construction, All Depths, Complete in Place	LF	794	75.68571	0	75.68571	\$280.00	\$21,192.00
21	Sanitary Sewer Service Reconnection, All Depths, Lengths, and Diameters, Complete in Place	EA	15	0	0	0	\$3,500.00	\$0.00
22	Core into Existing Lift Station Wet Well and Connect 2 Proposed 12-Inch Sanitary Sewer Lines, Including All Fittings and Bypass Pumping, Complete in Place	LS	1	0	0	0	\$15,000.00	\$0.00
23	10-Inch C-900 AWWA PVC Green Sanitary Sewer Force Main by Trenchless Construction, All Depths, Including Restrained Joints, Bends, and Fittings, Complete in Place	LF	1,351	535.9	0	535.9	\$80.00	\$42,872.00
24	10-Inch C-900 AWWA PVC Green Sanitary Sewer Force Main with Steel Casing by Trenchless Construction, All Depths, Including Restrained Joints, Bends, and Fittings, Complete in Place	LF	231	42.35294	0	42.35294	\$170.00	\$7,200.00
25	Watertight Pre-Cast Concrete Sanitary Sewer Manhole, All Depths, Complete in Place	EA	22	0	0	0	\$6,500.00	\$0.00
26	Watertight Pre-Cast Concrete Sanitary Sewer Manhole with Vents, All Depths, Complete in Place	EA	7	0	0	0	\$6,500.00	\$0.00
27	Air Release and Vacuum Relief Valve on Sanitary Sewer Force Main with Manhole, All Depths, Complete in Place	EA	1	0	0	0	\$7,000.00	\$0.00
28	10-Inch Wet Connection to Existing Force Main,	EA	2	0	0	0	\$3,500.00	\$0.00
29	Grout, Plug, and Abandon 6-Inch Existing Sanitary Sewer, All Depths, Complete in Place	LF	29	0	0	0	\$10.00	\$0.00
30	Grout, Plug, and Abandon 8-Inch Existing Sanitary Sewer, All Depths, Complete in Place	LF	1,974	0	0	0	\$15.00	\$0.00
	Grout, Plug, and Abandon 10-Inch Existing Sanitary Sewer, All Depths, Complete in Place	LF	685	0	0	0	\$20.00	\$0.00
32	Grout, Plug, and Abandon 12-Inch Existing Sanitary Sewer, All Depths, Complete in Place	LF	819	0	0	0	\$25.00	\$0.00
	Grout, Plug, and Abandon 15-Inch Existing Sanitary Sewer, All Depths, Complete in Place	LF	22	0	0	Ó	\$30.00	\$0.00
	Grout, Plug, and Abandon Existing Sanitary Sewer Force Main, All Diameters, All Depths, Complete in Place	LF	1,580	0	0	0	\$30.00	\$0.00
	Grout and Abandon Existing Sanitary Sewer Manholes, All Depths, Complete in Place	EA	17	0	0	0	\$1,400.00	\$0.00

APPLICATION FOR PAYMENT FM 1960 AND ELDRIDGE PKWY UTILITY RELOCATIONS

OWNER: HARRIS COUNTY FRESH WATER SUPPLY DISTRICT NO. 61 LAN PROJECT NO. 120-12094-000-600 (6.8)

CONTRACTOR: PERSONS SERVICES CORP.

APPLICATION NO. PERIOD: 04/24/21 TO 07/25/21 APPLICATION DATE: 07/26/21

ITEM			CONTRACT	COMPLETED			CONTRACT	,
NO.	ITEM DESCRIPTION	UNIT	QUANTITY	THIS EST.	PREVIOUS	TO DATE	UNIT PRICE	AMOUNT
36	Site Restoration, Including Removing and Replacing	LS	1	0	0	0	\$350,000.00	\$0.00
	Concrete Sidewalks and Driveways; Pavement; and					l		
	Damaged Turf, Plants, Shrubs, Fences, and Trees, as							
	Required							
37	Implementation and Maintenance of Traffic Control Plan, As Directed by Engineer	LS	1	0	0	0	\$75,000.00	\$0.00
	As Directed by Engineer							
	Change Order No. 1							
38	Implementation and Maintenance of Traffic Control Plan,	LS	1	0	0	0	\$34,400.60	\$0.00
	As Directed by Engineer			,	Ů	,	\$2.,100.00	\$0.00

TOTAL WORK COMPLETED TO DATE \$125,926.00 (Materials on Hand Only)

APPLICATION FOR PAYMENT

FM 1960 AND ELDRIDGE PKWY UTILITY RELOCATIONS

OWNER: HARRIS COUNTY FRESH WATER SUPPLY DISTRICT NO. 61

LAN PROJECT NO. 120-12094-000-600 (6.8) CONTRACTOR: PERSONS SERVICES CORP.

APPLICATION NO. APPLICATION DATE	3	07/	<u>1</u> /26/21	-							PERIOD	:04	/24/21	то	07/2	25/21
		Legend		-												
			= Calenda	ar Days		\times	= Non-V	Working Days								
Month	·		· · · · · · · · · · · · · · · · · · ·					Day	/S							
Jan, 2021	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	
<u>Feb</u>	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
3.6	17	18	19	20	21	22	23	24-NTP	25	26	27	28	29	30	30	
May	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
T	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
T. 1	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
A	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
C4	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
Oct	17 1	18 2	19	20	21	22	23	24	25	26	27	28	29	30		
	17	18	3 19	4 20	5 21	6	7	8	9	10	11	12	13	14	15	16
Nov	1	2	3	4	5	22	23	24	25	26	27	28	29	30	31	
	17	18	19	20	21	6 22	7	8	9	10	11	12	13	14	15	16
Dec	1	2	3	4	5	6	23 7	24	25	26	27	28	29	30		2.2
	17	18	19	20	21	22	23	8 24	9	10	11	12	13	14	15	16
0		ys to Date	17	20	21	LL	23	24	25	26	27	28	29	30	31	
Contract Time Summa	ırv									Dove II	[nod]					
Notice to Proceed	iaI.							4/24/21		Days U				1/01/01		
Original Contract Days								4/24/21		Nonce	to Procee	a		4/24/21		
Original Contract Days Previously Approved Non-Working Days Time Extension							150		D							
Approved Non-Working Days Time Extension This Period								0		Previous Calendar Days 0						
Previously Approved Time Extensions by Change Order							0		Calanda	r Dave T	his Danie	, d	0			
Approved Time Extensions by Change Order Approved Time Extensions This Period by Change Order							0		Carenda	ar Days T	ms rerio	ou	0			
Total Contract Calendar	Days	oriou by t	onange O	aci						_ p money	Segment.					
and Approved Time Ext	ensions							150		Total D	ays to Da	ite	**	0		
Substantial Completion								9/21/21		Actual S	Substanti	al Comp	letion			

Page 5 of 5

CHANGE ORDER								
PROJECTFM 1960 and Eldridge Pkwy Utility Relo	cations							
DATE OF ISSUANCE March 24, 2021 EFFECTIVE DATE March	h 24, 2021							
OWNER HCFWSD No. 61 CONTRACTOR Persons Ser ENGINEER's Project No. 120-12094-000-600 ENGINEER: Lockwood, And								
You are directed to make the following changes in the Contract Documents. ADD								

Additional Cost for Water Line and Sanitary Sewer PVC Pipe, - 1 LS @ 34,400.60 per LS = New Bid Item 38 -

\$34,400.60

TOTAL THIS CHANGE ORDER

\$34,400.60

REASON FOR CHANGE ORDER: Delay in access to construction zone.

CHANGE IN CONTRACT PRICE:	CHANGE IN CONTRACT TIMES:
Original Contract Price	Original Contract Times
\$_2,380,370.00	Substantial Completion: 150 Days
	Ready for final payment:
	days or dates
Net changes from previous Change Orders No to No. \$ N/A	Net change from previous Change Orders No to No.
	Days
Contract Price prior to this Change Order	Contract Times prior to this Change Order
\$2,380,370.00	Substantial Completion:
	Ready for final payment:
	days or dates
Net Increase (decrease) of this Change Order \$ 34,400.60	Net Increase (decrease) of this Change Order
	Days
Contract Price with all approved Change Orders	Contract Times with all approved Change Orders
\$ <u>2,414,770.60</u>	Substantial Completion:
	Ready for final payment:
	days or dates
RECOMMENDED: APPROVED:	ACCEPTED: Docusigned by:
By: Juin B. Sandrig R. E. By: Warrell (a Barrow By M. K.
Luis P. Sanabria, P.E. Darrell A. Barroso	Tribitati Iridinidi
Lockwood, Andrews, & Newnam, Inc. HCFWSD No. 61	Persons Services Corp.
Date: 3/24/2021 Date: 3/24/20)	Date: 3/24/2021

Lockwood, Andrews, & Newnam, Inc. TBPELS ID No. F-2614

Page 1 of 1