



TEXAS BOARD OF PROFESSIONAL ENGINEERS # F-1582

AGUA SPECIAL UTILITY DISTRICT

PALMVIEW WASTEWATER SYSTEM

PROJECT-1: GROUP B&F - L&G Construction (L&G)

PROJECT-2: GROUP A&G - OG Construction (OG)

PROJECT-3: Lift Stations A2, F, G & G7 (JC&S)

Project-4: Main Lift Station (Mor-Wil)

CONSTRUCTION UPDATE

February - 20 - 2019

PALMVIEW WWCS Key Dates-L&G:

- ***PRE-CONSTRUCTION MEETING*** ***DEC - 05 - 2016***
- ***NOTICE TO PROCEED ISSUED*** ***MARCH - 06 - 2017***
- ***ACTUAL CONSTRUCTION START DATE*** ***MARCH - 13 - 2017***
- ***CONTRACT TIME PERIOD*** ***330 CALENDAR DAYS***
- ***COMPLETE DATE BY CONTRACT*** ***FEBRUARY- 05 - 2018***
- ***COMPLETE DATE BY CONTRACT (CO-1)*** ***JUNE- 20 - 2018***
- ***COMPLETE DATE BY CONTRACT (CO-4)*** ***NOVEMBER- 19 - 2018***
- ***COMPLETE DATE BY CONTRACT (CO-5)*** ***DECEMBER- 03 - 2018***
- ***COMPLETE DATE BY CONTRACT (CO-7)*** ***MARCH- 03 - 2019***

PALMVIEW WWCS Key Dates-OG:

- ***PRE-CONSTRUCTION MEETING*** ***JULY- 07 - 2017***
- ***NOTICE TO PROCEED ISSUED*** ***SEPTEMBER 13 - 2017***
- ***ACTUAL CONSTRUCTION START DATE*** ***SEPTEMBER 27 - 2017***
- ***CONTRACT TIME PERIOD*** ***330 CALENDAR DAYS***
- ***COMPLETE DATE BY CONTRACT*** ***AUGUST- 22 - 2018***
- ***COMPLETE DATE BY CONTRACT (CO-1)*** ***NOVEMBER- 5 - 2018***
- ***COMPLETE DATE BY CONTRACT (CO-3)*** ***FEBRUARY- 15 - 2019***

PALMVIEW WWCS Key Dates-JCS:

- *PRE-CONSTRUCTION MEETING -1* *SEPTEMBER 13 - 2017*
- *PRE-CONSTRUCTION MEETING -2* *MARCH 1 - 2018*
- *NOTICE TO PROCEED ISSUED* *MARCH 7 - 2018*
- *ACTUAL CONSTRUCTION START DATE* *MARCH 12 - 2018*
- *CONTRACT TIME PERIOD* *210 CALENDAR DAYS*
- *COMPLETE DATE BY CONTRACT* *OCTOBER 08 - 2018*
- *COMPLETE DATE BY CONTRACT (CO-2)* *DECEMBER 31 - 2018*
- *COMPLETE DATE BY CONTRACT (CO-3)* *FEBRUARY 22 - 2019*

PALMVIEW WWCS Key Dates-Mor-Wil:

- ***PRE-CONSTRUCTION MEETING*** ***NOVEMBER 14 - 2018***
- ***NOTICE TO PROCEED ISSUED*** ***DECEMBER 26 - 2018***
- ***ACTUAL CONSTRUCTION START DATE*** ***DECEMBER 26 - 2018***
- ***CONTRACT TIME PERIOD*** ***270 CALENDAR DAYS***
- ***COMPLETE DATE BY CONTRACT*** ***SEPTEMBER 23-2019***

Major Items of Work-L&G

ITEM	UNIT	PROJECT TOTAL	COMPLETED TO DATE	% TO DATE 2/20/2019	% LAST MONTH 1/20/2019
GRAVITY SEWER LINES 42" TO 4" DIAM.	MILES.	19.6	19.18	97.8%	97.8%
STEEL CASING 16" TO 54" DIAM.	LF.	1,430	1194	83.4%	83.4%
FIBERGLASS MANHOLES 48" TO 72" DIAM.	EA.	258	226	87.5%	85.7%
SANITARY SEWER SERVICE CONNECTIONS	EA.	1,094	1074	98.1%	96.6%
PAVEMENT REPLACEMENT	LF.	52,294	48,545	92.8%	91.1%

Major Items of Work-OG

ITEM	UNIT	PROJECT TOTAL	COMPLETED TO DATE	% TO DATE 2/20/2019	% LAST MONTH 1/20/2019
<i>GRAVITY SEWER LINES 36" TO 4" DIAM.</i>	<i>MILES.</i>	<i>20.3</i>	<i>14.95</i>	<i>73.6%</i>	<i>69.4%</i>
<i>STEEL CASING 8" TO 54" DIAM.</i>	<i>LF.</i>	<i>3,399</i>	<i>1,645</i>	<i>48.4%</i>	<i>46.3%</i>
<i>FIBERGLASS MANHOLES 48" TO 72" DIAM.</i>	<i>EA.</i>	<i>265</i>	<i>161</i>	<i>60.7%</i>	<i>56.2%</i>
<i>SANITARY SEWER SERVICE CONNECTIONS</i>	<i>EA.</i>	<i>969</i>	<i>778</i>	<i>80.2%</i>	<i>77.1%</i>
<i>PAVEMENT REPLACEMENT</i>	<i>LF.</i>	<i>40,464</i>	<i>29,516</i>	<i>72.9%</i>	<i>67.8%</i>

Major Items of Work-JC&S

ITEM	UNIT	PROJECT TOTAL	COMPLETED TO DATE	% TO DATE 2/20/2019
LIFT STATION A2	LS	1	Wet Well installed, site work ongoing.	48%
LIFT STATION F	LS	1	Wet Well installed, site work ongoing.	46%
LIFT STATION G	LS	1	Wet Well delivered to site, ongoing dewatering.	22%
LIFT STATION G7	LS	1	Wet Well installed, site work ongoing.	50%
ODOR CONTROL SYSTEM, GENERATORS, SCADA, HOIST ETC.	LS	4	Partial equipment with contractor	12%

Major Items of Work-Mor-Wil, LLC.

ITEM	UNIT	PROJECT TOTAL	COMPLETED TO DATE	% TO DATE 2/20/2019	% LAST MONTH 1/20/2019
FORCEMAIN 16" DIAM.	LF.	31,103	14,714	47.5%	9.5%
STEEL CASING 30" DIAM.	LF.	1,959	628	32.0%	16.4%
FIBERGLASS MANHOLES 72" DIAM.	EA.	6	0	0%	0%
GRAVITY SEWER LINES 36" DIAM.	LF.	2,712	0	0%	0%
LIFT STATION	LS.	1	0	0%	0%



Closner Construction - LS-G Dewatering



Closner Construction – LS-A2 Wet Well Concrete Pad



Closer Construction – Piping & Hatches at LS-F



Mor-Wil Construction- Force Main Installation

Submittal of Pay Est. #24-February-2019-L&G

ESTIMATE No. 24

1.Original Contract Days	<u>330</u>
2.Days Added by Change Order	<u>135+150+15+90</u>
3.Total Contract Time	<u>720</u>
4.Contract Days Previously Billed	<u>678</u>
5.Contract Days this Period	<u>30</u>
6.Days Remaining	<u>13</u>
7.% Contract Time Used	<u>98.3%</u>
8.Current Contract Amount	<u>\$9,672,174.25</u>
9.Total Completed to Date	<u>\$ 8,514,796.35</u>
10.Balance Due this Estimate	<u>\$ 30,731.12</u>
11.Percentage of Contract Amount Billed to Date	<u>88.0%</u>
12.Balance of Contract	<u>\$ 1,157,377.90</u>

Submittal of Pay Est. #17-February-2019-OG

ESTIMATE No. 17

1.Original Contract Days	<u>330</u>	
2.Days Added by Change Order	<u>78+96</u>	
3.Total Contract Time	<u>504</u>	
4.Contract Days Previously Billed	<u>478</u>	
5.Contract Days this Period	<u>(4)</u>	
6.Days Remaining	<u>0</u>	
7.% Contract Time Used	<u>100%</u>	
8.Current Contract Amount		<u>\$10,962,371.50</u>
9.Total Completed to Date		<u>\$ 8,446,066.12</u>
10.Balance Due this Estimate		<u>\$ 354,361.13</u>
11.Percentage of Contract Amount Billed to Date		<u>78.0%</u>
12.Balance of Contract		<u>\$ 2,516,305.38</u>

Submittal of Pay Est. #9-February-2019-JC&S

ESTIMATE No. 9

1.Original Contract Days	<u>210</u>	
2.Days Added by Change Order	<u>84+51</u>	
3.Total Contract Time	<u>345</u>	
4.Contract Days Previously Billed	<u>313</u>	
5.Contract Days this Period	<u>2</u>	
6.Days Remaining	<u>0</u>	
7.% Contract Time Used	<u>99.4%</u>	
8.Current Contract Amount		<u>\$5,675,000.00</u>
9.Total Completed to Date		<u>\$ 2,766,352.84</u>
10.Balance Due this Estimate		<u>\$ 238,682.68</u>
11.Percentage of Contract Amount Billed to Date		<u>48.7%</u>
12.Balance of Contract		<u>\$ 2,908,647.16</u>

Submittal of Pay Est. #2-February-2019-Mor-Wil

ESTIMATE No. 2

1.Original Contract Days	<u>270</u>	
2.Days Added by Change Order	<u>0</u>	
3.Total Contract Time	<u>270</u>	
4.Contract Days Previously Billed	<u>20</u>	
5.Contract Days this Period	<u>30</u>	
6.Days Remaining	<u>220</u>	
7.% Contract Time Used	<u>18.5%</u>	
8.Current Contract Amount		<u>\$ 5,868,431.35</u>
9.Total Completed to Date		<u>\$ 741,848.45</u>
10.Balance Due this Estimate		<u>\$ 704,756.03</u>
11.Percentage of Contract Amount Billed to Date		<u>12.6%</u>
12.Balance of Contract		<u>\$ 5,126,582.90</u>

Project Construction Related Items- L&G:

* Service Connections/Stub outs:

Additional stub outs for empty lots were added to the project through CO-1.

* Road Repair:

The City of Palmview & Agua SUD finalized the inter-local agreement, CO-1 is approved.

* Sewer line Revisions:

Casing added at certain locations (sewer line B2-b, B2-a) to allow for the construction where the sewer lines are close to existing structures. Additional line extensions were added as approved by TWDB.

* HCID-6 Permits:

Agua SUD agreed on the permit fee for the irrigation district water line crossings.

* Dewatering:

Additional days included in CO-1,3,4 & CO-7 for the dewatering requirements experienced by the contractor. Additional dewatering days are requested by the contractor due to the ongoing dewatering requirements. Design revisions to lower depth of cut approved by TCEQ.

* Easement:

Sewer line B2-a4 and B2 have easements that are encroached by property owners requiring survey/alternative alignments. Alternative alignments were used to complete the construction on Perez St.

Project Construction Related Issues- OG:

- * **Service Connections/Stub outs:**

Additional stub outs for empty lots were added to the project through CO-1.

- * **Road Repair:**

The City of Palmview & Agua SUD finalized the inter-local agreement, CO-1 is approved.

- * **Sewer line Realignment:**

La Homa Rd sewer line is realigned which provides approximately \$160,000 in cost benefits due to removal of casings and manholes.

- * **HCID-6 Permits:**

Agua SUD agreed on the permit fee for the irrigation district water line crossings.

- * **Weather Delays:**

Rain days are not allowed for contractor's time credit in this project.

- * **Easement:**

Sewer line A1 have easements that are close to property owners improvements requiring survey/alternative alignments based on the existing conditions. New alignments approved to continue work. Contractor requesting additional days for the areas with conflicts in a claim form submitted as per the project requirements, negotiations are ongoing to resolve the claim. Resolved by CO-2.

- * **Heavy Rains/Dewatering:**

Ongoing dewatering. Additional time granted with CO-3. Additional dewatering days are requested by the contractor due to the ongoing dewatering requirements.

- * **TxDOT Conflicts:**

Due to changes in road designation for veteran's road, a new alignment is explored for force main G7. Ongoing acquisition discussions for the new alignment. Drainage conflict on BUS-83.

Project Construction Related Issues- *JC&S:*

* Heavy Rains/Dewatering:

Dewatering is ongoing at Lift station site G. Additional time granted with CO-2. Additional dewatering days are requested by the contractor due to the ongoing dewatering requirements at site G.

Project Construction Related Issues- *Mor-Wil:*

* Easement:

The sewer pipe alignment at the City of mission's WWTP is rerouted to avoid utility conflicts, Agua SUD is in coordination with the City of Mission and United Irrigation District to acquire easement.