



TEXAS BOARD OF PROFESSIONAL ENGINEERS # F-1582



AGUA SPECIAL UTILITY DISTRICT PALMVIEW WASTEWATER COLLECTION 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)

CONSTRUCTION UPDATE

September - 20 - 2018

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-1)*** ***NOVEMBER- 19 - 2018***

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***

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*

Major Items of Work-L&G

ITEM	UNIT	PROJECT TOTAL	COMPLETED TO DATE	% TO DATE 09/20/2018	% LAST MONTH 08/20/2018
GRAVITY SEWER LINES 42" TO 4" DIAM.	MILES.	19.5	18.4	94.3%	92.8%
STEEL CASING 16" TO 54" DIAM.	LF.	1,430	954	66.7%	58.0%
FIBERGLASS MANHOLES 48" TO 72" DIAM.	EA.	258	209	81.0%	80.2%
SANITARY SEWER SERVICE CONNECTIONS	EA.	1,094	1015	92.7%	91.9%
PAVEMENT REPLACEMENT	LF.	52,294	43,714	83.6%	70.1%

Major Items of Work-OG

ITEM	UNIT	PROJECT TOTAL	COMPLETED TO DATE	% TO DATE 08/20/2018	% LAST MONTH 07/20/2018
GRAVITY SEWER LINES 36" TO 4" DIAM.	MILES.	20.30	11.2	55.2%	52.2%
STEEL CASING 8" TO 54" DIAM.	LF.	3,399	1061	31.2%	29.4%
FIBERGLASS MANHOLES 48" TO 72" DIAM.	EA.	265	132	49.8%	42.6%
SANITARY SEWER SERVICE CONNECTIONS	EA.	969	682	70.3%	66.2%
PAVEMENT REPLACEMENT	LF.	40,464	25,141	62.1%	62.1%

Major Items of Work-JC&S

ITEM	UNIT	PROJECT TOTAL	COMPLETED TO DATE	% TO DATE 09/20/2018
LIFT STATION A2	LS	1	Wet Well delivered to site	1%
LIFT STATION F	LS	1	Wet Well delivered to site	17%
LIFT STATION G	LS	1	Wet Well delivered to site	1%
LIFT STATION G7	LS	1	Wet Well Installed	25%
ODOR CONTROL SYSTEM/GENERATORS ETC.	LS	4	Equipment Ordered	1%



**LIFT STATION 'G7'
INSTALLATION OF WET WELL**



**LIFT STATION 'G7'
INSTALLATION OF WET WELL**



**LIFT STATION 'F'
CONCRETE CAISSON SHORING (2ND 8' HIGH SECTION)**



**LIFT STATION 'F'
CONCRETE CAISSON SHORING (2ND 8' HIGH SECTION)**

Submittal of Pay Est. #19-September-2018-L&G

ESTIMATE No. 19

1.Original Contract Days	<u>330</u>	
2.Days Added by Change Order	<u>135+150</u>	
3.Total Contract Time	<u>615</u>	
4.Contract Days Previously Billed	<u>495</u>	
5.Contract Days this Period	<u>30</u>	
6.Days Remaining	<u>90</u>	
7.% Contract Time Used	<u>85.0%</u>	
8.Current Contract Amount		<u>\$9,672,174.25</u>
9.Total Completed to Date		<u>\$ 7,761,040.21</u>
10.Balance Due this Estimate		<u>\$ 221,755.02</u>
11.Percentage of Contract Amount Billed to Date		<u>80%</u>
12.Balance of Contract		<u>\$ 1,911,134.05</u>

Submittal of Pay Est. #12-September-2018-0G

ESTIMATE No. 12

1.Original Contract Days	<u>330</u>	
2.Days Added by Change Order	<u>78</u>	
3.Total Contract Time	<u>408</u>	
4.Contract Days Previously Billed	<u>330</u>	
5.Contract Days this Period	<u>30</u>	
6.Days Remaining	<u>48</u>	
7.% Contract Time Used	<u>88%</u>	
8.Current Contract Amount		<u>\$10,982,648.50</u>
9.Total Completed to Date		<u>\$ 6,353,584.38</u>
10.Balance Due this Estimate		<u>\$ 409,634.54</u>
11.Percentage of Contract Amount Billed to Date		<u>58%</u>
12.Balance of Contract		<u>\$ 4,629,064.12</u>

Submittal of Pay Est. #4-September-2018- JC&S

ESTIMATE No. 4

1.Original Contract Days	<u>210</u>	
2.Days Added by Change Order	<u>0</u>	
3.Total Contract Time	<u>210</u>	
4.Contract Days Previously Billed	<u>155</u>	
5.Contract Days this Period	<u>30</u>	
6.Days Remaining	<u>25</u>	
7.% Contract Time Used	<u>88%</u>	
8.Current Contract Amount		<u>\$5,675,000.00</u>
9.Total Completed to Date		<u>\$ 897,133.62</u>
10.Balance Due this Estimate		<u>\$ 182,177.13</u>
11.Percentage of Contract Amount Billed to Date		<u>15.8%</u>
12.Balance of Contract		<u>\$ 5,492,822.87</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.

* HCID-6 Permits:

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

* Dewatering:

Additional days included in CO-1 & CO-3 for the dewatering requirements experienced by the contractor. More additional dewatering days are requested by the contractor due to the ongoing dewatering requirements.

* Easement Conflicts:

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.

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 are 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:**

Ongoing negotiations on the validity of rain days in the project.

- * **Easement Conflicts:**

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.

- * **Heavy Rains/Dewatering:**

Additional days request from contractor due to heavy rains and the subsequent dewatering requirements.

Project Construction Related Issues-

JC&S:

* Heavy Rains/Dewatering:

Additional days request from contractor due to heavy rains, material delays and the subsequent dewatering requirements during excavation at Lift stations site G7.