

29 July 2020

To: Mayor and City Council members

Update on the several elements completed for Mykawa lift station relocate and associated lines to be upgraded and improved. All done within budget again. Clay



Mykawa Lift Stations

Scope: Project includes installation of 18" gravity sewer on Hatfield Rd; the replacement and relocation of the Orange-Mykawa Lift Station to the ROW adjacent to Town Ditch to be served with the installation of a 12" gravity sewer line~3,400 LF along Mykawa from Orange to Walnut, and 8" force main from Mykawa west 2500 LF to Hatfield Rd; abandonment Shank Street Lift Station; replacement and relocation of Mykawa-Scott Lift Station, installation of new 8-inch force main for approximately 2,500 LF from Mykawa to SH35, and new 8-12-inch gravity line approximately 3,450 LF along Mykawa from Scott to Shank. Project will be coordinated with Mykawa Road construction.



Justification: Orange-Mykawa Lift Station will require a major rehabilitation within the next five years and is poorly located for servicing the area. The project will eliminate an existing inverted siphon in a gravity line and relocate the Orange-Mykawa Lift Station. In addition, the project will eliminate the Shank Street Lift Station and relocate the Scott Street Lift Station presently in conflict with the future Mykawa Road Widening.

Construction Manager: Darcy Gomez

Designer: 5Engineering, LLC

Contractor: (Package 1&3)- Nerie Construction, LLC
(Package 2) – Black Castle General Contractor

Budget Info:

Funding Sources	Series	To Date	Future	Total Budget
General Revenue - Cash				-
Certificates of Obligation				-
Certificates of Obligation				-
W/S Revenue Bonds	2017	795,000		795,000
W/S Revenue Bonds	2018	5,551,620		5,551,620
W/S Revenue Bonds				-
Impact Fee - Debt				-
Other Funding Sources		898,421		898,421
Total Funding Sources		7,245,041	-	7,245,041

Expenditures	To Date	Future	Total
PER	93,712		93,712
Land	101,026		101,026
Design	554,113		554,113
Construction	6,107,830		6,107,830
Construction Management/Inspection			-
Construction Materials Testing	53,000		53,000
FF&E			-

Total Expenditures	6,909,682	-	6,909,682
Project Balance/Contingency			335,359

Schedule Info:

	<i>Base Line</i>	<i>Current</i>
<i>Design Start</i>	May-16	May-16
<i>Bid Start</i>	August-17	April-19
<i>Construction Start - Package 1</i>	July-19	August-19
<i>Construction Completion - Package 1</i>	February-20	December-19
<i>Construction Start - Package 2</i>	July-19	September-19
<i>Proposed Construction Completion - Package 2</i>	September-20	
<i>Construction Start - Package 3</i>	July-19	August-19
<i>Proposed Construction Completion - Package 3</i>	March-20	May-20

(Package 1) Rain Days: 19
(Package 2) Rain Days: 17
(Package 3) Rain Days: 11

Please note that this project was repackaged into 3 distinct types of construction projects to encourage bidder participation as noted in the pre-award memo published July 03, 2019. The packages and respective scopes as follow:

- Package 1 - Pipe Bursting: Hatfield Road to Orange Street.
- Package 2 – Lift Stations and Mykawa Road Gravity Sewer. (This package also includes abandoning all gravity sewer mains along with the decommissioning of 3 existing lift stations along Mykawa Road)
- Package 3 – Force mains: Orange Street and Scott Street.

Highlights:

Package 1- Since the last project update the contractor, Nerie Construction, has completed the following:

- Consent of Surety received on June 15, 2020.
- Received Package 1 As-Built's from Nerie on June 4, 2020.
- Record Drawings were received from the 5 Engineering on June 4, 2020.

Nerie Construction has successfully completed Package 1 with no change orders. After the balancing change order is approved this contract will have been completed \$147,657.50 under the original contract amount. Once the balancing change order has been approved by all project members, the 5% retainage will be released to the contractor.

Package 2 – Since the last project update the contractor, Black Castle, has completed the following:

- Orange/Mykawa Lift Station site – driveway, bollards, fencing is complete.
- Placed discharged brackets and finished welding.
- Nerie has placed 80% of the Manholes from Scott Lift station going south on Mykawa Road.

Package 3 – Since the last project update the contractor, Nerie Construction, has completed the following:

- The substantial completion walk through was conducted on June 3, 2020. The following items were on the punch list:

- STA 22+06.80 - MH O8 - Sewper Coat to QA/QC, clean out mud, touch up on walls, and inflow cap.
- STA 4+60 - AVR V MH - Raise rim elevation up 1 foot.
- STA 8+80 AVR V MH - Change out lid and regROUT joints. – item still needed to be completed.
- All substantial completion punch list items were complete on July 1, 2020.
- The final completion walk was conducted on July 8, 2020. All items from the substantial completion walk through were completed except for one item above.
 - STA 8+80 AVR V MH Needed the lid changed out and joints regROUTed. It was completed on July 9, 2020 by Nerie Construction.
- As-built drawings have been submitted to 5Engineering for incorporation.
- Nerie construction has successfully completed Package 3 with no change orders.

Upcoming Work Items:

Package 2

In the upcoming weeks, Black Castle will:

- Working on relocating the staircase at Scott/Mykawa lift station design in order to provide a safe walkway up the elevated platform without the Control Panel blocking the passageway.
- Place the last manhole's:
 - 3 – 6' MH's
 - 3 – 5' MH's
- Partial demolition of the Scott/Mykawa Lift Station will continue until late August.
- Trailer will be removed on July 22.

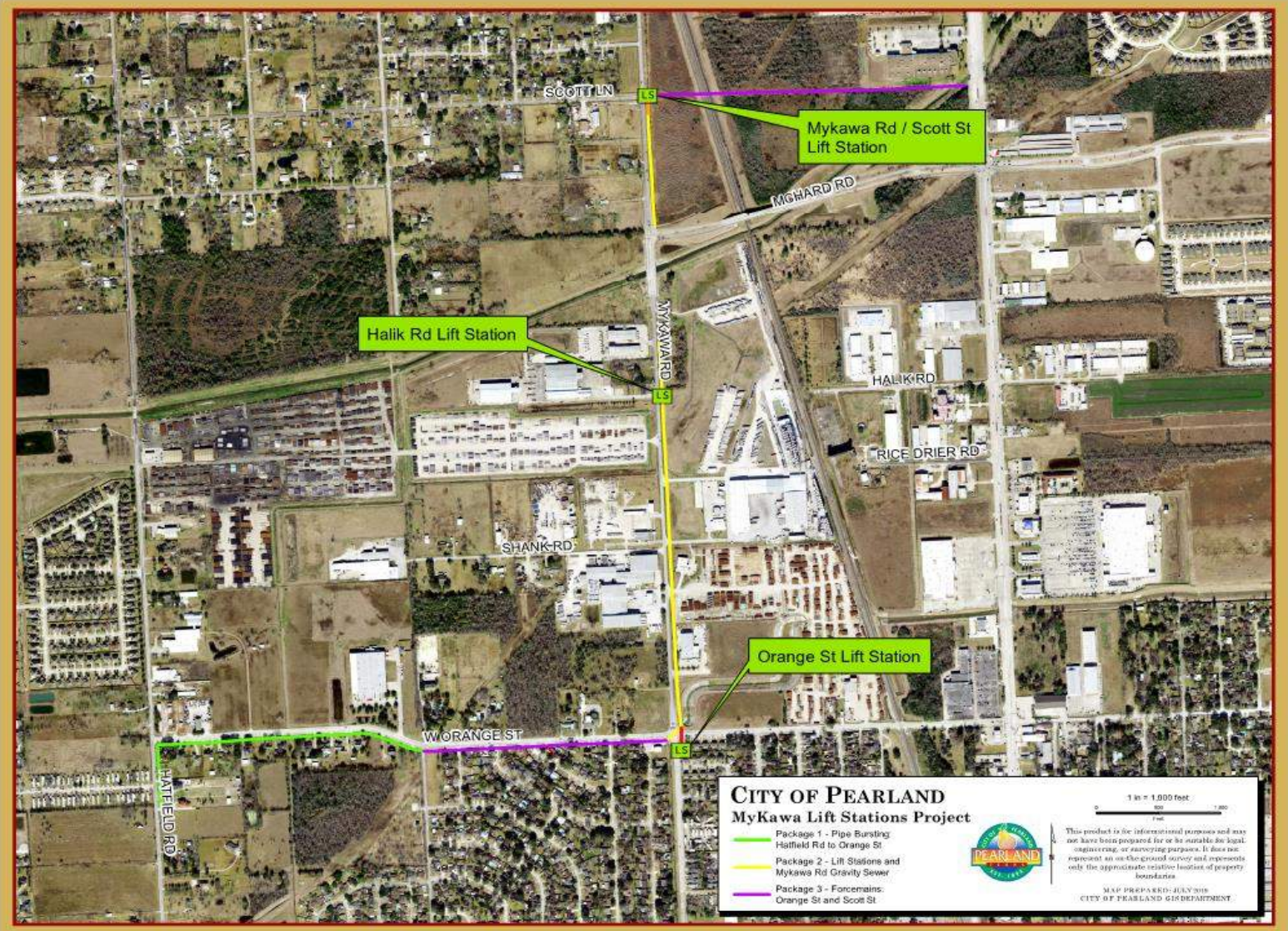
Package 3

In the next coming weeks, Nerie Construction will:

- The only remaining item for Package 3 is the record drawings from 5Engineering.

Previous Memos: 01/26/17;04/27/16;02/02/17;09/21/17;02/15/18;06/27/19;07/03/19;11/07/19;05/21/2020

Project Location Map:



Construction Photos:



Package 3



Package 3



Package 3



Package 2 – Lift Station



Package 2 – Lift Station



Package 2