

11/6/2019

To: Mayor and City Council members

Large, complex set of projects to improve the wastewater piping and lift stations around Mykawa Road, East and West of there. Three construction packages awarded and going. 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: Jaime Dino

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				-
W/S Revenue Bonds	2017	795,000		795,000
W/S Revenue Bonds	2018	5,551,620		5,551,620
Impact Fee - Debt				-
Other Funding Sources		1,101,300		1,101,300
Total Funding Sources		7,447,920	-	7,447,920

Expenditures	To Date	Future	Total
PER	93,712		93,712
Land	101,026		101,026
Design	553,313		553,313
Construction	6,093,190		6,093,190
Construction Management/Inspection			-
Construction Materials Testing	53,000		53,000
FF&E			-
Total Expenditures	6,894,241	-	6,894,241

Project Balance/Contingency			553,679
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Schedule Info:

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

(Package 1) Rain Days: 4
(Package 2) Rain Days: 0
(Package 3) Rain Days: 0

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- The NTP for this construction project was issued for August 30, 2019. Since the NTP the contractor has completed the following:

- Started/completed site preparation.
- Completed CCTV inspection of existing sanitary sewer line along W. Orange Street and Hatfield Road.
- Mobilized equipment and received sanitary sewer pipe on site.
- Established TCP devices along work area.
- Completed pipe bursting 8” to 12” pipe (approximately 2200 LF) along W. Orange Street from Hatfield Road and Woody Road. This work includes reconnecting the existing resident sewer services along the roadway.
- Completed pipe bursting 12” to 18” pipe (approximately 1000 LF) along Hatfield Road.
- Installed sanitary sewer clean outs along property line.

Package 2 – The NTP for this construction project was issued for September 09, 2019. Since the NTP the contractor has completed the following:

- Mobilized on site.
- Started site preparation.
- Cleared/grubbed proposed lift station sites (Scott- Mykawa LS and Orange-Mykawa LS)
- Established lay down yard.

- Established field office.
- Installed construction entrances at both proposed LS locations.

Package 3 – The NTP for this construction project was issued for August 30, 2019. Since the NTP, the contractor has completed the following:

- Mobilized on site.
- Started site preparations.

Upcoming Work Items:

Package 1

The contractor will place a proposed manhole at the intersection of W. Orange Street and Woody Road in the following week of November 04, 2019. Completing this task, will complete all heavy construction activity for Package 1. Site restoration and sod placement will be ongoing for the next couple of weeks. Substantial completion walk through will follow after site restoration is complete. Weather permitting, this project is expected to be completed by December 2019 versus the original contract end date of February 2020.

Package 2

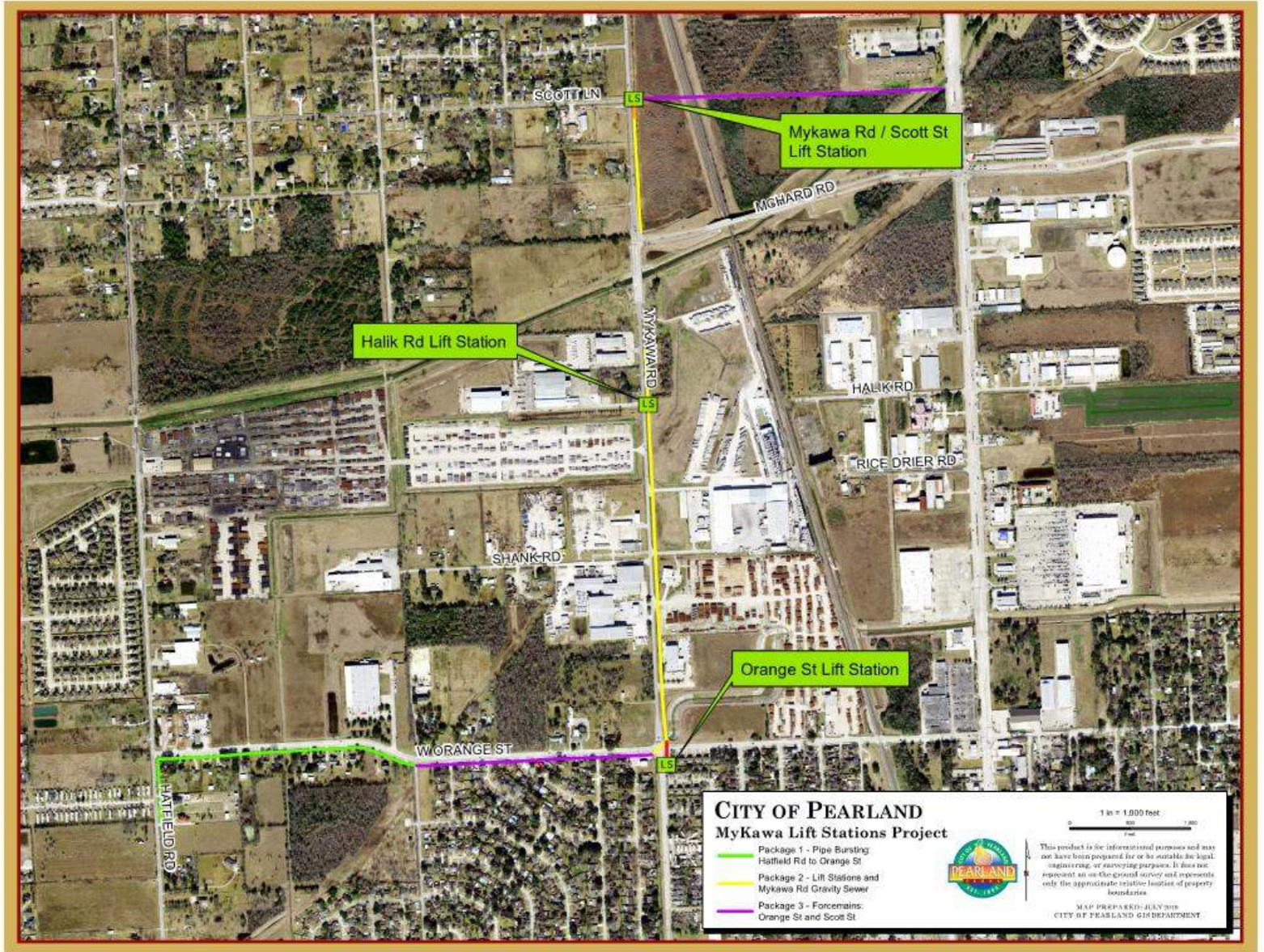
Black Castle's sub-contractor is anticipating starting the proposed 12" gravity sewer line along eastern ROW of Mykawa Road on the week of November 11, 2019. Delivery of the wet well structures for both Scott-Mykawa Lift Station and Orange-Mykawa Lift Station will arrive on site by November 18, 2019. Construction of both wet wells are forecasted to start shortly after delivery.

Package 3

The contractor is anticipating starting directional boring of the 8" sanitary sewer force main on the week of November 11, 2019. Contractor will start boring activities at the intersection of W. Orange and Woody Road and move east towards Mykawa- W. Orange Street Intersection.

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

Project Location Map:



Completed fused sewer line at Intersection of Woody and W. Orange Street.



Fused pipe being pulled by hydraulic power jack.



Pipe fusing prior to installation.



Trench preparations.



Traffic devices within the construction work zone limits.



Traffic Control Set Up prior to construction activity.



Future location of Orange-Mykawa Lift Station.



Clearing and grubbing of the proposed Orange-Mykawa LS site.



Per SWPPP requirements – stabilized construction entrance/exit is needed at all const. sites



Construction Entrance installation at Scott-Mykawa LS.



Laydown yard and future location of Scott- Mykawa Lift Station.



Clearing and grubbing of the proposed Scott-Mykawa LS site and office trailer delivery.

