



2/15/2018  
 To: Mayor and City Council members  
 Coordination of several wastewater projects in the Mykawa Rd corridor readying for bid this summer. Clay

## Mykawa Lift Stations

**Scope:** Installation of 18" gravity sewer on Hatfield Rd; replacement and relocation of the Orange-Mykawa Lift Station with installation of a 12" gravity sewer line along Mykawa from Orange to Walnut for approximately 3,400 lf and 8" force main from Mykawa west 2500 lf to Hatfield Rd; abandonment of 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. This 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.

**Project Manager:** Ryan McKinnis

**Designer:** 5Engineering, LLC

**Contractor:** N/A

**Budget Info:**

	<i>Budget</i>	<i>Encumbered</i>	<i>Change Orders</i>	<i>Balance</i>
<i>Prelim. Eng.</i>	\$300,000.00	\$93,712.00		\$206,288.00
<i>Land</i>	\$360,000.00	\$24,750.00		\$335,250.00
<i>Engineering</i>	\$596,300.00	\$481,878.00	\$71,435.00	\$42,987.00
<i>Construction</i>	\$4,668,600.00			\$4,668,600.00
<i>FF&amp;E</i>				\$0.00
<i>Contingency</i>	\$923,020.00			\$923,020.00
<b>Total</b>	<b>\$6,847,920.00</b>	<b>\$600,340.00</b>	<b>\$71,435.00</b>	<b>\$6,176,145.00</b>

**Schedule Info:**

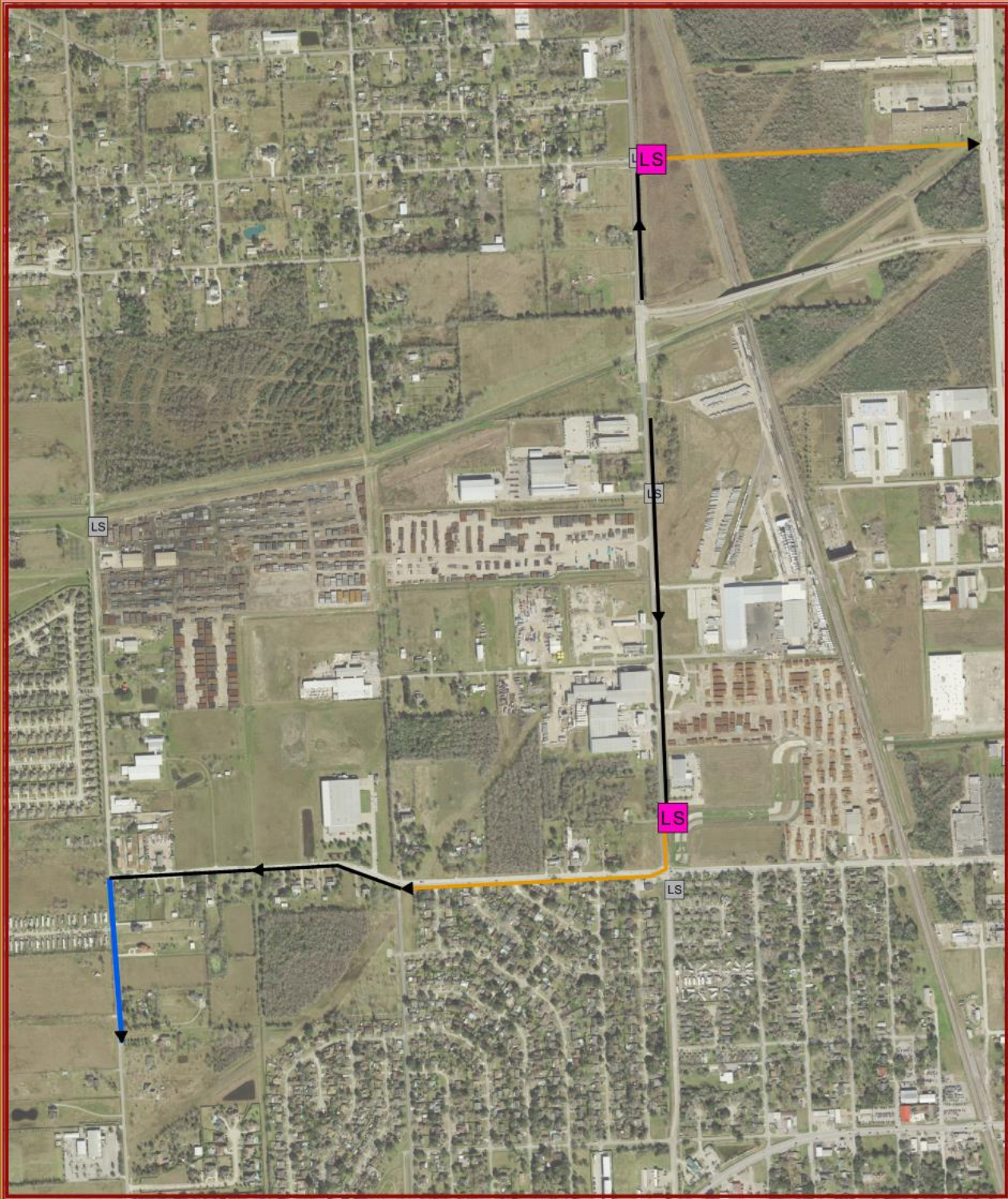
	<i>Base Line</i>	<i>Current</i>
<i>Design Start</i>	May-16	May-16
<i>Proposed Bid Start</i>	August-17	June-18
<i>Proposed Construction Start</i>	June-18	
<i>Proposed Construction Completion</i>	April-19	

**Highlights:**

- Staff has received the 90% engineering design, a Technical Review Committee meeting has been scheduled for February 21<sup>st</sup>, 2018
- The previously proposed design for the 6" force main has been upsized to an 8" force main for additional future capacity.
- Easements surveys have been completed. Pre-Contact letters were mailed on January 30<sup>th</sup>, and a public meeting was held on February 6<sup>th</sup>, 2018 at Hillhouse. Affected property owners were specifically invited; none of the invited property owners attended the meeting. Following this meeting we moved forward with delivering offers letters, and we expect to receive responses within the next 3 weeks.
- Current schedule projects the potential to bid the project in June of 2018.

**Previous Memos:** 09/21/2017,02/02/2017, 4/28/2016

# Proposed Network



LS Exst. Lift Sta.   
 → 8" FM   
 → 12" Sewer   
 → 18" Sewer  
LS Prop. Lift Sta.



This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries.  
 MAP PREPARED: JUNE 2017  
 CITY OF PEARLAND GIS DEPARTMENT