

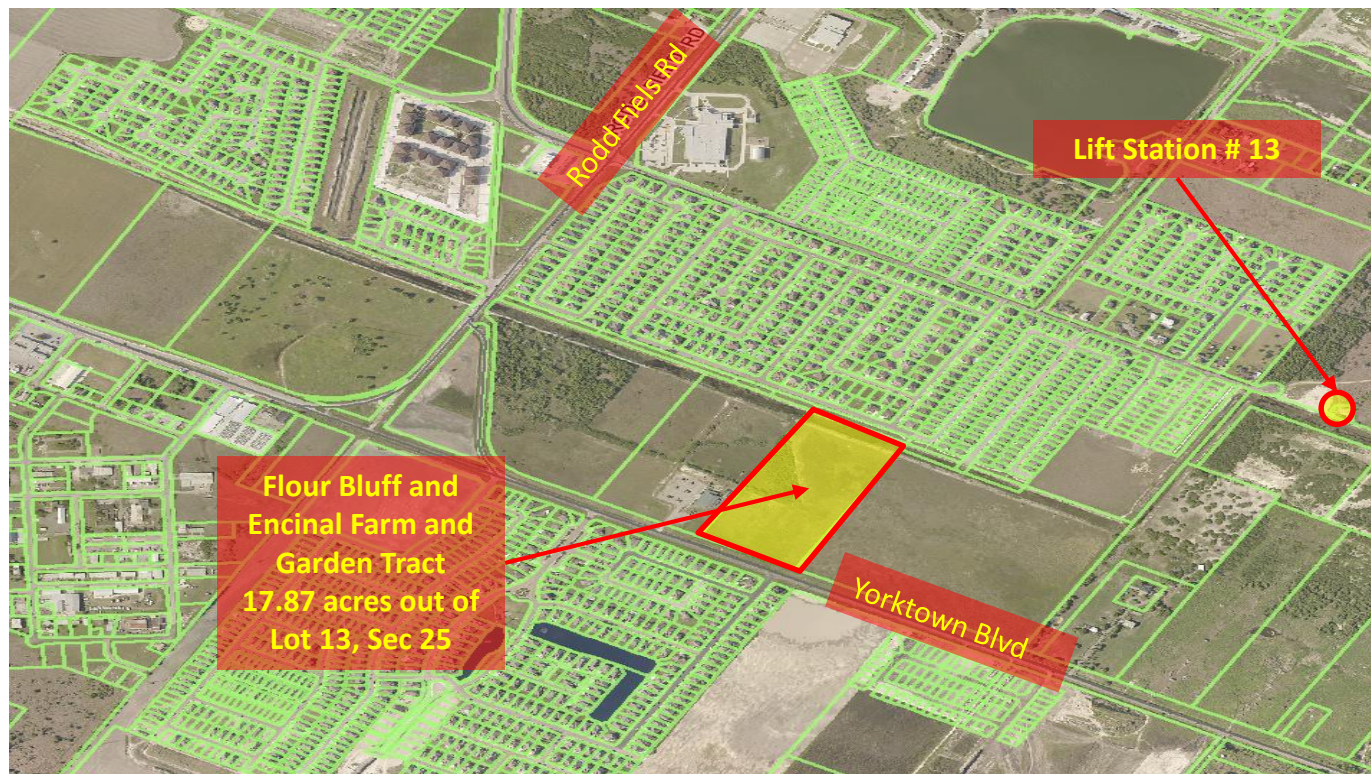
Amendment to the Wastewater Collection System Master Plan OSO W.R.P Service Area, Sub Basin SPA 30 Area I

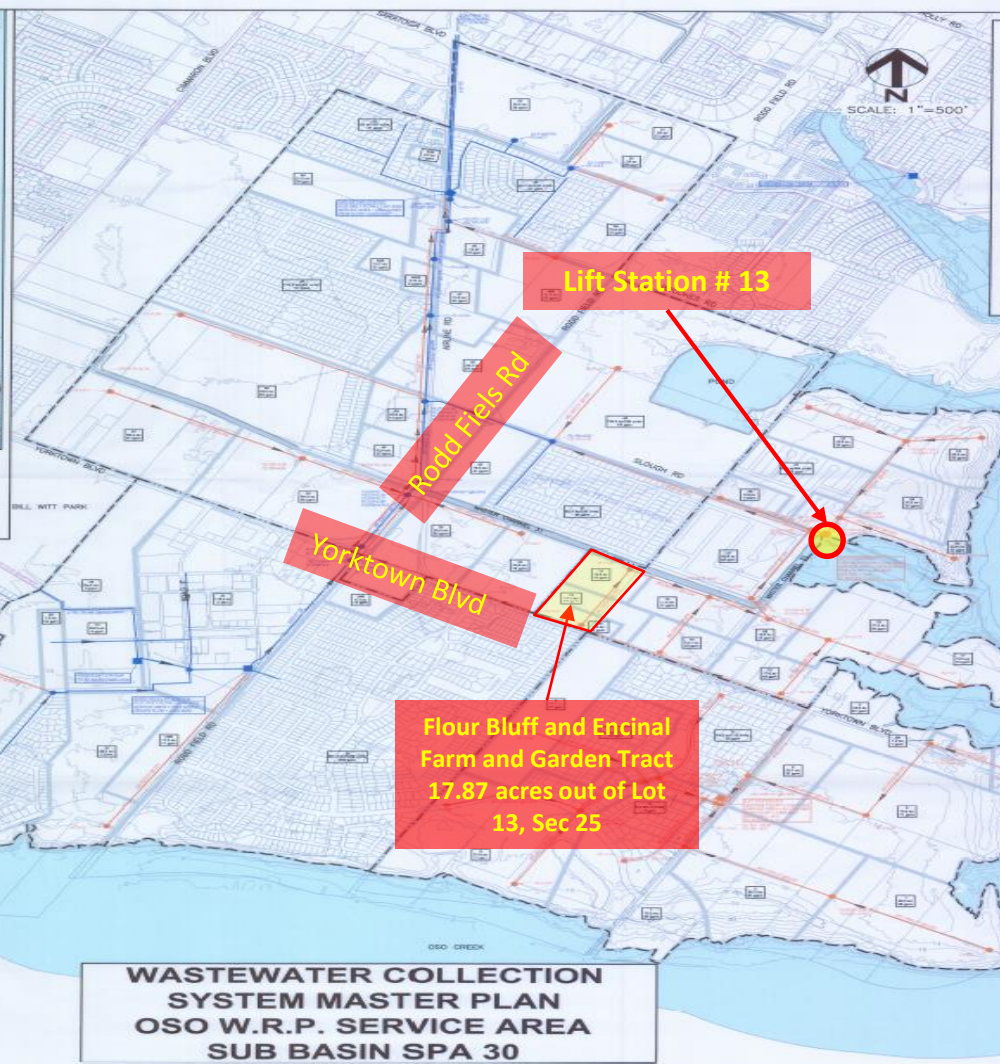
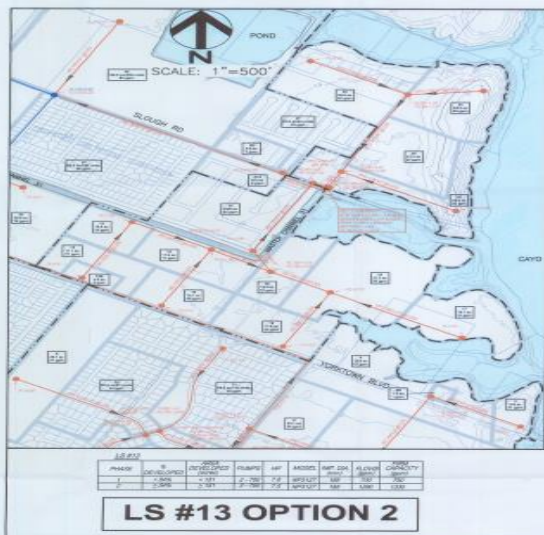


Planning Commission Meeting
November 1, 2017



Aerial Overview





LIFT STATION PHASING

PHASE	DESIGNED	PLANS	HP	MODEL	IMP. DIA.	ALLOW. CAPACITY
1	2.000	2.000	2.000	2.000	2.000	2.000
2	2.000	2.000	2.000	2.000	2.000	2.000

NOTES

1. LAND USE CHARACTERISTICS WERE DETERMINED FROM THE SOUTHERN AREA DEVELOPMENT PLAN, FEBRUARY 6, 2000, FROM THE ADOPTED CORPUS CHRISTI FUTURE LAND USE MAP, MAY 24, 2000 (FORDHAM AREA) AND THROUGH A REVIEW WITH DEVELOPMENT SERVICES STAFF ON APRIL 2, 2006.
2. IN THE ABSENCE OF EXISTING FLOW DATA, RESIDENTIAL FLOWS WERE ASSUMED TO BE 150 GALLONS PER DAY (GPD) IN 2000, 180 GPD IN 2010, AND 210 GPD IN 2020.
3. AS PER SOUTHERN AREA DEVELOPMENT PLAN, ONLY DEVELOPABLE LAND WAS CONSIDERED IN THE POPULATION PROJECTION CALCULATIONS.
4. AIRLINE LIFT STATIONS SERVICE AREA WAS DEFINED BY THE LIFT STATION SERVICE AREA MAP, JULY 27, 2000, FROM THE MASTER PLAN FOR SANITARY SEWERS, JULY 27, 2000 (FORDHAM AREA) AND THROUGH DISCUSSION WITH CITY STAFF.
5. THE CITY PROPERTY INTENDED FOR THE SOUTHERN WASTE WAS CONSIDERED LOW DENSITY RESIDENTIAL SINCE ITS FUTURE USE IS UNDETERMINED.
6. ALL PIPE SIZES AND SLOPES WERE TIED TO RULES AS ESTABLISHED IN 30 TAC 117, EFFECTIVE JANUARY 6, 2000.
7. THE PEAKING FACTOR WAS CALCULATED USING THE HANCOCK & BABBITT FORMULA WHICH HAS BEEN REPELLED IN THE PREVIOUS AREA MASTER PLANS.
8. SOME MANHOLES ARE NOT SHOWN FOR CLARITY.
9. THE SERVICE AREA WAS ASSUMED TO BE FULLY DEVELOPED.
10. ALL OF THE ELEVATION DATA WERE DERIVED FROM THE CITY OF CORPUS CHRISTI LIDAR DATA COLLECTED IN 2003.
11. TO THE EXTENT POSSIBLE, THE UPSTREAM END OF ALL LATERALS SHALL HAVE A MINIMUM DEPTH OF 5 FEET.

LEGEND

- PROPOSED WASTEWATER LINE
- EXISTING WASTEWATER LINE
- PROPOSED FORCE MAIN
- EXISTING FORCE MAIN
- EXISTING WASTEWATER LINE OUTSIDE OF AREA 2
- PROPOSED WASTEWATER LINE OUTSIDE OF AREA 2
- LIFT STATION INTERNAL BOUNDARY
- SUB AREA BOUNDARY
- WATER
- SUB AREA CALLOUT
- PROPOSED LIFT STATION
- EXISTING LIFT STATION
- PROPOSED MANHOLE
- EXISTING MANHOLE

BROWN AND CALDWELL

LN ENGINEERING
engineers & consultants

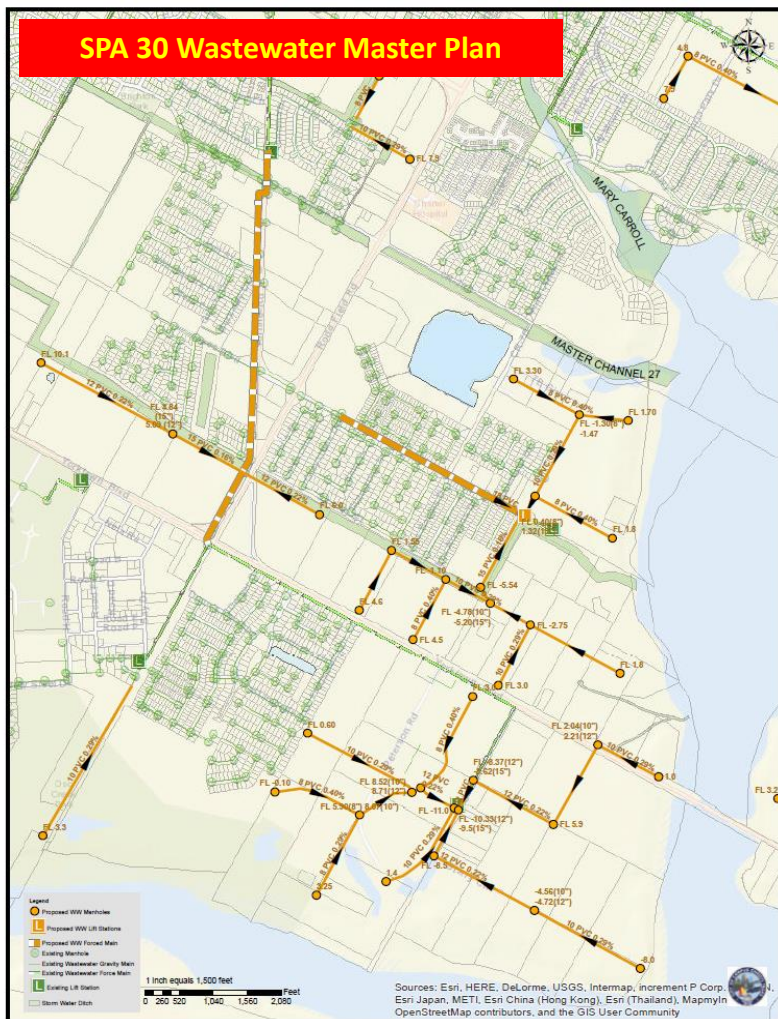
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James Louis Kelly
2012-06

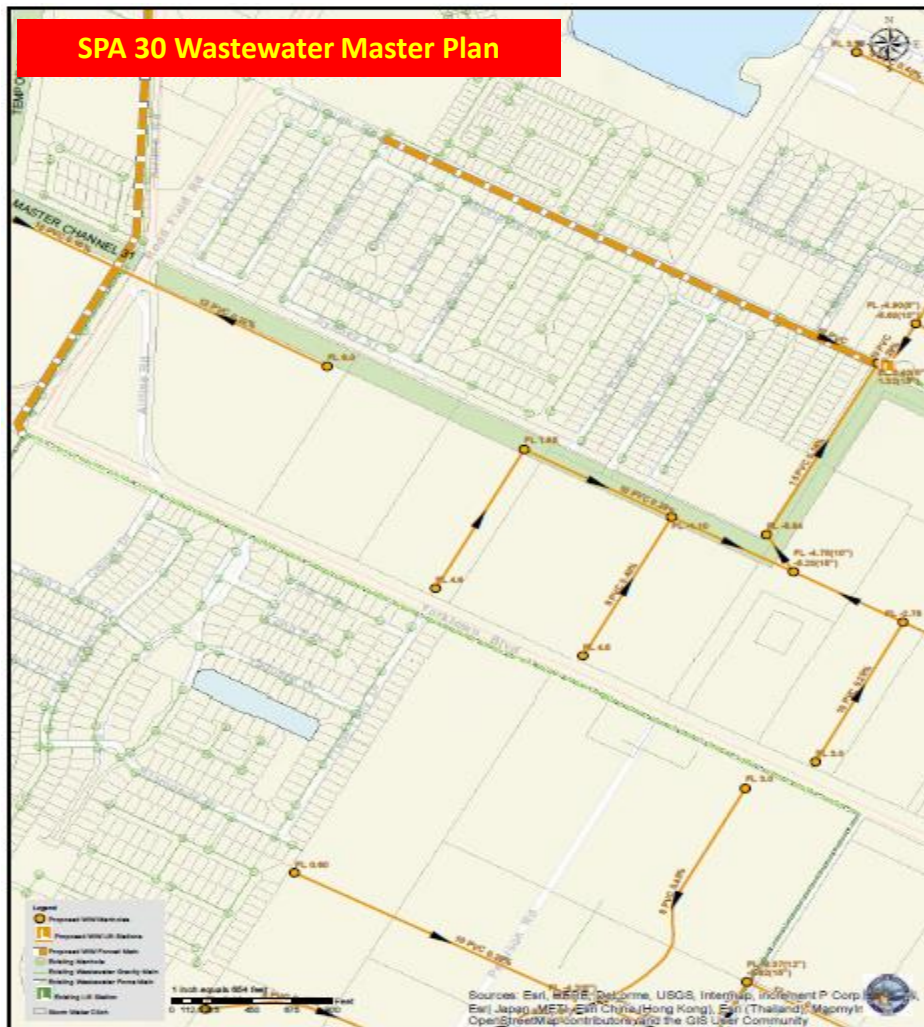
Richard J. Kelly
2012-06

EXHIBIT 3

SPA 30 Wastewater Master Plan



SPA 30 Wastewater Master Plan



SPA 30 Wastewater Master Plan Amendment

Legend:

- Proposed WWSRF Wastewater Amendment
- Proposed WWSRF System Amendment
- Proposed WWS Manhole Change
- Proposed WWS Main Change
- Proposed WWS Manhole
- Proposed WWS Main
- Proposed WWS Lateral
- Proposed WWS Lift Station
- Existing Manhole
- Existing Wastewater Gravity Main
- Existing WWS Lift Station
- Storm Water Catch

Map Details:

- Scale: 1 inch equals 800 feet
- North Arrow: Located in the top right corner.
- Master Channel 27: Located in the top right corner.
- Temporary: Located in the top left corner.
- Proposed WWSRF Wastewater Amendment: Shown as a red line with arrows.
- Proposed WWSRF System Amendment: Shown as a red line with arrows.
- Proposed WWS Manhole Change: Shown as a red circle.
- Proposed WWS Main Change: Shown as a red line.
- Proposed WWS Manhole: Shown as a red circle.
- Proposed WWS Main: Shown as a red line.
- Proposed WWS Lateral: Shown as a red line.
- Proposed WWS Lift Station: Shown as a red circle.
- Existing Manhole: Shown as a green circle.
- Existing Wastewater Gravity Main: Shown as a green line.
- Existing WWS Lift Station: Shown as a green circle.
- Storm Water Catch: Shown as a green line.

Sources: Esri, DeLorme, USGS, Intermap, increment P Corp., Esri Japan, MEAN, Earthstar (Hong Kong), Esri (Thailand), MapmyIndia, OpenStreetMap contributors, and the GIS User Community.



Staff Recommendation

- **Approve proposed Wastewater Collection System Master Plan Amendment**