

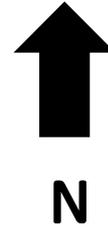
**Amendment to the Wastewater Collection  
System Master Plan OSO W.R.P Service Area,  
Sub Basin SPA 30 Area I  
Azali Estates**

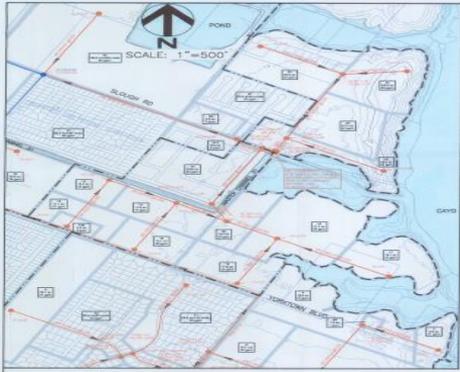


Planning Commission Meeting  
January 9, 2019



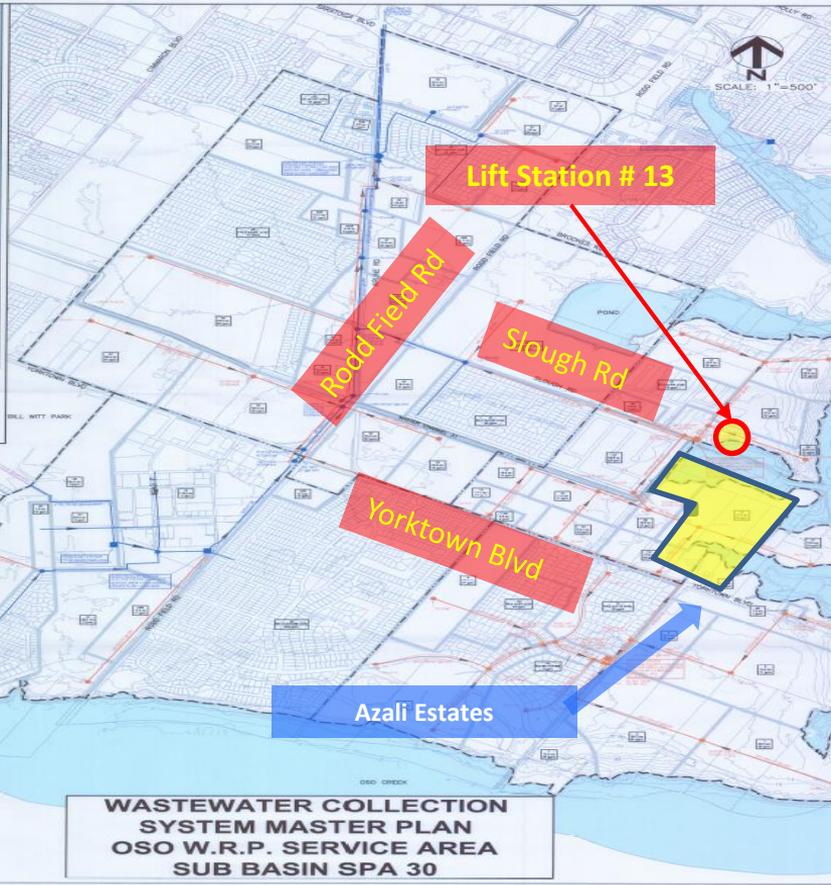
# Aerial Overview





Parcel	Area	Population	Flow						
1	1000	100	1000	1000	1000	1000	1000	1000	1000
2	1000	100	1000	1000	1000	1000	1000	1000	1000
3	1000	100	1000	1000	1000	1000	1000	1000	1000
4	1000	100	1000	1000	1000	1000	1000	1000	1000
5	1000	100	1000	1000	1000	1000	1000	1000	1000
6	1000	100	1000	1000	1000	1000	1000	1000	1000
7	1000	100	1000	1000	1000	1000	1000	1000	1000
8	1000	100	1000	1000	1000	1000	1000	1000	1000
9	1000	100	1000	1000	1000	1000	1000	1000	1000
10	1000	100	1000	1000	1000	1000	1000	1000	1000

**LS #13 OPTION 2**



**Lift Station # 13**

**Road Field Rd**

**Slough Rd**

**Yorktown Blvd**

**Azali Estates**

**LIFT STATION PROFILES**

Station	Profile	Flow							
13	13-1	1000	1000	1000	1000	1000	1000	1000	1000
13	13-2	1000	1000	1000	1000	1000	1000	1000	1000

**PROPOSED LIFT**

Station	Profile	Flow							
13	13-1	1000	1000	1000	1000	1000	1000	1000	1000
13	13-2	1000	1000	1000	1000	1000	1000	1000	1000

**EXISTING LIFT**

Station	Profile	Flow							
13	13-1	1000	1000	1000	1000	1000	1000	1000	1000
13	13-2	1000	1000	1000	1000	1000	1000	1000	1000

- NOTES**
- LAND USE CHARACTERISTICS WERE DETERMINED FROM THE DESCRIBED AREA DEVELOPMENT PLAN, FIGURE 6.1, FROM THE ADOPTED COMPREHENSIVE FUTURE LAND USE MAP, MAP 24, AND ORDINANCE #1748 AND THROUGH A REVIEW WITH DEVELOPMENT SERVICES STAFF ON APRIL 8, 2008.
  - IN THE ABSENCE OF EXISTING FLOW DATA, ESTIMATED FLOWS WERE ASSUMED TO BE 1.5 GPD PER SQUARE FOOT OF THE 1/4" (16) DATED LANDSCAPE ASIDE.
  - ALL PLOT BOUNDARIES AND DEVELOPMENT PLAN, ONLY DEVELOPABLE LAND WERE CONSIDERED IN THE POPULATION PROJECTION CALCULATION.
  - ANNUAL LIFT STATION SERVICE AREA WERE ASSIGNED TO THE LIFT STATION SERVICE AREA MAP SUPPLIED BY THE CITY, AUGUST 21, 1983 (ORDINANCE #1748), AND THROUGH DISCUSSION WITH CITY STAFF.
  - THE CITY PROPERTY INTENDED FOR THE BOUNDARIES WERE HAS COMPARED LOW DENSITY RESIDENTIAL, BRUCE (19) FUTURE USE BOUNDARY DETERMINED.
  - ALL PLOT SIDES AND SIDES ARE SET TO BE AS ESTABLISHED IN 30' SETBACK EFFECTIVE JANUARY 1, 2008.
  - THE PEAKING FACTOR WAS CALCULATED USING THE HARVEY & HANBURY FORMULA WHICH HAS BEEN PREVIOUSLY USED IN PREVIOUS PROJECTS.
  - THE PEAKING FACTOR WAS NOT SHOWN FOR CLARITY.
  - THE SERVICE AREA WAS ASSIGNED TO BE FULLY DEVELOPED.
  - ALL OF THE FLOW DATA WERE DERIVED FROM THE CITY OF CORPUS CHRISTI LEGAL DATA COLLECTED IN 2002.
  - TO THE EXTENT POSSIBLE, THE STREAM END OF ALL LATERALS SHALL HAVE A MINIMUM DEPTH OF 3 FEET.

**LEGEND**

- PROPOSED WASTEWATER LINE
- EXISTING WASTEWATER LINE
- PROPOSED ADOPTERMAN (SHOWING CONCERN)
- EXISTING WASTEWATER LINES
- OUTSIDE OF AREA 1
- SPRINKLER SERVICE AREA BOUNDARY
- LIFT STATION INTERNAL BOUNDARY
- SUB AREA BOUNDARY

**WATER**

- SUB AREA DRAINAGE
- PROPOSED LIFT STATION
- EXISTING LIFT STATION
- PROPOSED MANHOLE
- EXISTING MANHOLE

**BROWN AND CALDWELL**

**LNVE ENGINEERING**  
engineers & consultants

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P.E. 10-08

EXHIBIT 3

**FINAL**

CITY OF CORPUS CHRISTI, TEXAS  
WASTEWATER DEPARTMENT  
Department of Engineering Services  
MAY 12, 2008

**WASTEWATER COLLECTION SYSTEM MASTER PLAN  
OSO W.R.P. SERVICE AREA  
SUB BASIN SPA 30**







## Staff Recommendation

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