

A PORTION OF THIS LOW AREA IS AN INTEGRAL PART OF AN OPEN CHANNEL DITCH DRAINAGE SYSTEM. IF A GRAVITY WASTEWATER SERVICE IS PROVIDED HERE, THE LAND WILL HAVE TO BE RAISED TO MATCH THE ADJACENT GRADES. A DETAILED DRAINAGE STUDY SHOULD BE PERFORMED PRIOR TO ADJUSTING THESE GRADES.

- NOTES
1. LAND USE CHARACTERISTICS WERE DETERMINED FROM THE SOUTHSIDE AREA DEVELOPMENT PLAN, FEBRUARY 8, 2000, FROM THE ADOPTED CORPUS CHRISTI FUTURE LAND USE MAP, MAY 24, 2005 (ORDINANCE #026278) AND THROUGH A REVIEW WITH DEVELOPMENT SERVICES STAFF ON JUNE 6, 2006.
 2. IN THE ABSENCE OF EXISTING FLOW DATA, RESIDENTIAL FLOWS WERE ASSUMED TO BE 100 GAL/CAP/DAY AS PER TCEQ 30 TAC 317.4 (a), DATED JANUARY 6, 2005.
 3. AS PER SOUTHSIDE AREA DEVELOPMENT PLAN, ONLY DEVELOPABLE LAND WAS CONSIDERED IN THE POPULATION PROJECTION CALCULATIONS.
 4. THE SERVICE AREAS WERE DEFINED THROUGH DISCUSSIONS WITH CITY STAFF.
 5. ALL PIPE SIZES AND SLOPES MEET TCEQ RULES AS ESTABLISHED IN 30 TAC 317, EFFECTIVE JANUARY 6, 2005.
 6. THE PEAKING FACTOR WAS CALCULATED USING THE HAROLD E. BABBITT FORMULA WHICH HAS BEEN WIDELY USED IN PREVIOUS AREA MASTER PLANS.
 7. SOME MANHOLES ARE NOT SHOWN FOR CLARITY.
 8. THE SERVICE AREA WAS ASSUMED TO BE FULLY DEVELOPED.
 9. ALL OF THE ELEVATION CONTOURS WERE DERIVED FROM THE CITY OF CORPUS CHRISTI LIDAR DATA COLLECTED IN 2003.
 10. TO THE EXTENT POSSIBLE, THE UPSTREAM END OF ALL LATERALS SHALL HAVE A MINIMUM DEPTH OF 4 FEET.
 11. SOME LOCATIONS BELOW 10 FOOT ELEVATION (100 YEAR FLOOD PLAIN) MAY REQUIRE LOW PRESSURIZED PUMPING SYSTEMS TO BE PROVIDED BY PROPERTY OWNER.

LEGEND

- PROPOSED WASTEWATER LINE
- EXISTING WASTEWATER LINE
- PROPOSED FORCEMAIN
- EXISTING FORCEMAIN
- EXISTING WASTEWATER LINES OUTSIDE OF AREA 1
- SERVICE AREA BOUNDARY
- LIFT STATION INTERNAL BOUNDARY
- SUB AREA BOUNDARY
- ADJACENT SUB-BASIN BOUNDARY
- WATER

SUB AREA COUTOUT

67.8 ac. AREA
66 gpm AVERAGE FLOW

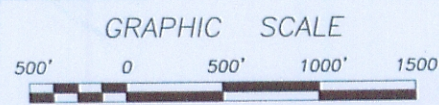
- PROPOSED LIFT STATION
- EXISTING LIFT STATION
- PROPOSED MANHOLE
- EXISTING MANHOLE

FINAL

CITY OF
CORPUS CHRISTI
TEXAS
WASTEWATER
DEPARTMENT

Department of Engineering Services
AUGUST 1, 2006

**WASTEWATER COLLECTION
SYSTEM MASTER PLAN
OSO W.R.P. SERVICE AREA
AREA 1**



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EXHIBIT 5