

ORDINANCE

AMENDING THE LONDON AREA WASTEWATER MASTER PLAN, AN ELEMENT OF THE COMPREHENSIVE PLAN; AMENDING RELATED ELEMENTS OF THE COMPREHENSIVE PLAN; AND PROVIDING FOR SEVERANCE AND PUBLICATION.

WHEREAS, the first London Area Wastewater Master Plan and Storm Water Master Plan were approved by City Council and adopted by Ordinance No. 031113 on April 11, 2017;

WHEREAS, the Planning Commission has forwarded to the City Council its final report and recommendation concerning an amendment to the London Area Wastewater Master Plan, an element of the Comprehensive Plan of the City of Corpus Christi, Texas;

WHEREAS, the Planning Commission recommended approval of the amendment to the London Area Wastewater Master Plan;

WHEREAS, based on the Planning Commission discussion the City Manager further recommends additional property under single ownership in the northwest portion of the plan be included in the lift station service area, reduction of the assumed persons per household and gallons of sewage generated per person per day, and expansion of the lift station service area boundary to parallel the floodway on the south side of the Oso Creek;

WHEREAS, with proper notice to the public, all interested persons were allowed to appear and be heard during public hearings before the Planning Commission on Wednesday, March 21, 2018, and before the City Council on Tuesday, April 24, 2018, and such public hearings were held in the Council Chambers at City Hall; and

WHEREAS, the City Council has determined that this amendment to the London Area Wastewater Master Plan would best serve the public health, necessity, convenience and general welfare of the City of Corpus Christi and its citizens.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CORPUS CHRISTI, TEXAS:

SECTION 1. That an amendment to the London Area Wastewater Master Plan, which is an element of the Comprehensive Plan of the City of Corpus Christi, Texas, is adopted by this ordinance to read as shown in Exhibit "A" attached to this ordinance and incorporated by reference.

SECTION 2. That to the extent the amendments made by this ordinance represent a deviation from the Comprehensive Plan of the City of Corpus Christi, Texas, the Comprehensive Plan is amended to conform to the amendments made by this ordinance.

SECTION 3. That the Comprehensive Plan of the City of Corpus Christi, Texas, as amended from time to time, except as changed by this ordinance and any other ordinances adopted on this date, remains in full force and effect.

SECTION 4. That any ordinance or part of any ordinance in conflict with this ordinance is expressly repealed by this ordinance.

SECTION 5. The City Council intends that every section, paragraph, subdivision, clause, phrase, word or provision hereof shall be given full force and effect for its purpose. Therefore, if any section, paragraph, subdivision, clause, phrase, word or provision of this ordinance is held invalid or unconstitutional by final judgment of a court of competent jurisdiction, that judgment shall not affect any other section, paragraph, subdivision, clause, phrase, word or provision of this ordinance.

SECTION 6. Publication shall be made in the City of Corpus Christi's official publication as required by the City Charter of the City of Corpus Christi.

That the foregoing ordinance was read for the first time and passed to its second reading on this the _____ day of _____, 2018, by the following vote:

Joe McComb	_____	Ben Molina	_____
Rudy Garza	_____	Lucy Rubio	_____
Paulette Guajardo	_____	Greg Smith	_____
Michael Hunter	_____	Carolyn Vaughn	_____
Debbie Lindsey-Opel	_____		

That the foregoing ordinance was read for the second time and passed finally on this the ____ day of _____, 2018, by the following vote:

Joe McComb	_____	Ben Molina	_____
Rudy Garza	_____	Lucy Rubio	_____
Paulette Guajardo	_____	Greg Smith	_____
Michael Hunter	_____	Carolyn Vaughn	_____
Debbie Lindsey-Opel	_____		

PASSED AND APPROVED on this the _____ day of _____,

2018. ATTEST:

Rebecca Huerta
City Secretary

Joe McComb
Mayor

EXHIBIT A London Area Wastewater Plan

The map illustrates the wastewater infrastructure for the London area. Key features include:

- Lift Station (LS1):** Located near CR 33 and FM 43.
- Proposed Mains:**
 - Gravity Main (GM): Shown as green lines with arrows indicating flow direction.
 - Force Main (FM): Shown as solid green lines.
- London Sub-Basin:** Indicated by a red dashed boundary.
- LS Service Area:** Indicated by a blue outline.
- City Limit:** Shown as a black dashed line.
- Land Use:** Color-coded areas representing different types of development:
 - Commercial: Pink
 - Estate Residential: Yellow with diagonal hatching
 - Low Density Residential: Light yellow
 - Medium Density Residential: Orange
 - Parks: Green with dots
 - Public/Semi-Public: Blue
- Geographic Features:** OSO CREEK FLOODWAY to the north, GREENWOOD road to the northeast, and HWY 286 to the southeast.
- Infrastructure Labels:** CR 33, CR 47, FM 43, and LONDON ISD are labeled on the map.

Legend

- Lift Station
- Proposed Mains
 - Gravity Main (GM)
 - Force Main (FM)
- London Sub-Basin
- LS Service Area
- City Limit
- Commercial
- Estate Residential
- Low Density Residential
- Medium Density Residential
- Parks
- Public/Semi-Public

Scale: 0 to 0.4 Miles

North Arrow: N, S, E, W

Table 1: Average Daily Wastewater Flow

Land Use	Units/Acre	Persons/Acre	Average Daily Flow	
			(gal/person/day)	(gal/acre/day)
Low Density Residential	5	15.0	80	1200
Medium Density Residential	20	40	80	3200
Estate Residential	2	6.0	80	480
Commercial	N/A	10	80	800
Park	N/A	10	20	200
PublidSemi-Public	N/A	15	80	1200

2.Peaking Factor
The peak flow for all land uses shall be generated using the Babbitt Formula which is commonly used in the industry. The formula is as follows:
$$PF = 5 / (\text{population}/1000) ^ {0.2}, \text{ (Minimum} = 2 \text{ Maximum} = 4\text{)}$$

3.Infiltration and Inflow
In this master plan, infiltration and inflow shall be calculated using 400 gallons per day per acre.

4.Peak Design Flow
All design of lift stations, force mains and collection systems shall use the peak flow as their basis which will include the peaking factor and infiltration and inflow.

5.Force Mains
Force mains shall be designed to have a velocity between 2 feet per second and 5 feet per second to ensure that they are adequate to move solids.

CITY OF CORPUS CHRISTI TEXAS

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