# Notice of City Council Workshop <br> AGENDA 

July 11, 2023 at 5:00 PM
NOTICE IS HEREBY GIVEN that a Meeting of the Montgomery City Council will be held on Tuesday, July 11, 2023, at 5:00 PM at the City of Montgomery City Hall, 101 Old Plantersville Road, Montgomery, Texas.

Members of the public may view the meeting live on the City's website under Agenda/Minutes and then select Live Stream Page (located at the top of the page). The meeting will be recorded and uploaded to the City's website.

## CALL TO ORDER

## CONSIDERATION AND POSSIBLE ACTION:

1. Review and Discussion on the Montgomery Transportation Advisory Committee Charter and Appointment Process
2. Waste Water Treatment Plant Analysis

## ADJOURNMENT

/s/ Nici Browe
Nici Browe, City Secretary. TRMC

I certify that the attached notice of meeting was posted on the bulletin board at City of Montgomery City Hall, 101 Old Plantersville Road, Montgomery, Texas, on July 7, 2023 at 4:30 p.m.

This facility is wheelchair accessible and accessible parking spaces are available. Please contact the City Secretary's office at 936-597-6434 for further information or for special accommodations.

| Meeting Date: July 11, 2023 Workshop | Budgeted Amount: N/A |
| :--- | :--- |
| Department: Administration | Prepared By: G. Palmer |

## Subject

Review and Discussion on the Montgomery Transportation Advisory Committee Charter and Appointment Process

## Recommendation

## Discussion

I think we all agree the City needs a better way to evaluate, collaborate and plan for future transportation needs. Moreover, the City has a desire to build close, long lasting relationships with our local, regional and state transportation partners.

As a small city, we are limited on our resources and expertise. However, the City has the ability to tap into its residents and business partners as an alternative resource by way of an advisory committee/team.

In your packets please find a draft Charter for the Montgomery Transportation Advisory Committee which upon approval will provide for the appointment of specific individuals (TBD). What we need to discuss and determine:

- Who appoints? Mayor unilaterally, Mayor with Council confirmation? Council appointment?
- Is the mission aligned with the Council's intent for this committee?
- Qualifications for appointment to the committee?
- Any other elements of the Charter that need discussion?

This is a workshop item only. I will bring the Charter back for formal consideration when it is ready.

| Approved By |  |  |
| :--- | :--- | :--- |
|  |  | Date: |
| City Administrator | Gary Palmer | Date: July 6, 2023 |

# Montgomery Transportation Advisory Committee 

## ARTICLE I: NAME

The name of this body shall be the Montgomery Transportation Advisory Committee (herein called the "committee").

## ARTICLE II: PURPOSE

The committee is established with the primary mission of advising on all issues and/or projects related to transportation (traffic/pedestrian/mass) within the City of Montgomery upon request of the City Council or City Administrator. The committee shall utilize their expertise, current best-practices in multi-modal transportation planning, and data to provide an analysis and recommendations.

## ARTICLE III: COMMITTEE

## Section I. Number, Terms, Qualifications

The committee shall consist of five (5) members appointed by the Mayor. Members should have a clear positive nexus with the City of Montgomery along with a background in transportation, engineering, urban planning, or any other discipline the Mayor finds relevant to the committee work. Members shall serve two-year terms and may be reappointed for consecutive terms. Members may hold committee membership until a successor is appointed.

The City Administrator or his/her designee shall serve as an ex officio non-voting member of this committee and be responsible for providing support to the committee as the City Administrator deems appropriate.

## Section II. Committee Responsibilities:

a. Act in a positive and civil manner at all times that reflects positively upon the City.
b. Research and utilize best practices in local government transportation planning.
c. Provide input on the transportation projects proposed in the annual Capital Improvement Plan (CIP).
d. Provide recommendations to the Mayor on appointments to the committee.

## Section III. Attendance at Meetings

Members are expected to attend all scheduled meetings. Members may be removed from the committee for poor attendance by majority vote of the committee.

## Section IV. Disclosure of Interests

A committee member who has any interest in any matter before the committee shall disclose said interest to the committee.

## Section V. Removal

Committee members may be removed by the Mayor or upon majority vote of the City Council with or without cause.

## ARTICLE IV: OFFICERS

## Section I. Officers

The officers of the committee shall be a chairman, vice-chairman, and secretary.

## Section II. Chairman

The Chairman may prepare agendas in collaboration with the City Administrator or his/her designee, preside at all meetings of the committee, call special meetings of the committee as needed, have the authority to cancel meetings of the committee, act as spokesperson for the committee, and appoint a sub-committee of the committee as needed.

## Section III. Vice Chairman

In the absence of the Chairman, the Vice Chairman shall perform the duties of the Chairman.

## Section IV. Secretary

The Secretary shall record and maintain accurate records and minutes of the proceedings of the committee.

## Section V. Nomination and Election of Officers

Any member may nominate any other member of the committee to serve as an officer of the committee. Councilmembers appointed to the committee are not eligible. Officers of the committee shall be elected by majority vote of the committee.

## Section VI. Terms of Officers

Officers of the committee shall be for a term of one (1) year commencing on June 1.

## Section VII. Vacancies

A vacancy in office because of resignation, removal, or otherwise may be filled by majority vote of the committee for the unexpired portion of the term.

## ARTICLE V: MEETINGS

## Section I. Regular Meetings

The committee shall meet at least quarterly or as needed at City Hall with the time and date to be determined by the committee. The committee shall determine and publish the upcoming year's meeting schedule on or around June 1.

## Section II. Quorum

A quorum shall consist of a majority of the voting members present upon calling of the roll at any meeting.

## Section III. Length of Meetings

Committee meetings should not be more than two (2) consecutive hours in duration.

## Section IV. Procedures

All meetings shall be held in accordance with the Texas Open Meetings Act.

## ARTICLE VI: AMENDMENTS

This Charter may be amended at any time upon committee recommendation to the Mayor or upon request of the Mayor to the City Administrator.

July 6, 2023

The Honorable Mayor and City Council
City of Montgomery
101 Old Plantersville Road
Montgomery, Texas 77316

RE: Wastewater Treatment Plant Expansion Analysis
City of Montgomery
WGA Project No. 00574-901-23

## I. PROJECT SUMMARY

The City directed WGA to perform a preliminary evaluation of the existing wastewater treatment plant ("WWTP") and onsite lift stations to plan for future development within the City. The City intends to advertise a Request for Proposals for the engineering services for the design of the expansion to their WWTP. This expansion will increase the existing WWTP treatment capacity in the City from 0.4 million gallons per day ("MGD") to 0.8 MGD.

## II. EXISTING WWTP EVALUATION

The current Stewart Creek WWTP was designed to treat an average daily flow (ADF) of up to 0.4 MGD. The existing onsite lift station (Lift Station No. 1) was designed with a wet well capacity of up to 0.8 MGD and a pumping capacity of 0.4 MGD.

According to the Design Report for the existing Stewart Creek WWTP completed by Bleyl \& Associates in November 2007, the influent wastewater quality characteristics used for design were as follows:

Table 1: Stewart Creek WWTP Characteristics

| Parameter | Concentration |
| :---: | :---: |
| $\mathrm{BOD}_{5}$ | $200 \mathrm{mg} / \mathrm{l}$ |
| TSS | $200 \mathrm{mg} / \mathrm{l}$ |

The City is currently experiencing an average daily flow of $185,755 \mathrm{gpd}$, or $46 \%$ of existing permitted capacity, based on 12 months of actual flow data. Inclusive of existing connections, platted developments, and developments which are in permitting or under construction, the City has committed approximately 351,623 gpd or $88 \%$ of existing permitted capacity at full build out. Inclusive of existing connections, platted developments, developments currently underway, and other developments in feasibility and design, the City will have committed 578,495 gpd or $144 \%$ of existing permitted capacity.

The Texas Commission on Environmental Quality ("TCEQ") requires the City to initiate design of a wastewater treatment capacity expansion when the ADF exceeds $75 \%$ of the City's 0.4 MGD permitted capacity for 3 consecutive months. The ADF for the City, including tracts in design and/or feasibility, is not expected to exceed $75 \%$ of the permitted capacity $(300,000$

Wastewater Treatment Plant Expansion Analysis
City of Montgomery
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gpd) until around the $2^{\text {nd }}$ quarter of 2024. Additionally, the TCEQ requires the commencement of the construction phase of the expansion after 3 consecutive months of ADF exceeding 90\% of the permitted capacity ( $360,000 \mathrm{gpd}$ ). This is expected to occur around the $4^{\text {th }}$ quarter of 2024.

The City has an older WWTP (Town Creek WWTP) which was decommissioned in 2007 when the Stewart Creek WWTP was placed online. The Town Creek WWTP has been offline but the City has maintained the permit for the plant to allow for the plant to be placed back into service, if needed. The Town Creek WWTP is the current location of Lift Station No. 2, which served as the onsite lift station for the plant when it was in service. After the Town Creek WWTP was decommissioned, the Lift Station No. 2 force main was rerouted to discharge into a downstream manhole and flow to the Stewart Creek WWTP.

Figure 1: Wastewater System Map


## III. EXISTING ONSITE LIFT STATION EVALUATION

A preliminary investigation was conducted of the existing lift stations at both wastewater treatment plants to evaluate the capacities to withstand peak flows of the growing system. The first portion of the analysis proved that the existing lift station pump systems are sized to meet all TCEQ minimums for the existing system.

Lift Station No. 1 (Stewart Creek WWTP onsite lift station) is outfitted with three (3) 436-gpm submersible pumps that are sized to meet the capacity of the existing 0.4 MGD treatment facility. The existing wet well is sized to a maximum capacity of 0.8 MGD to eliminate the need for a future wet well expansion.

Lift Station No. 2 (Town Creek WWTP onsite lift station) is outfitted with one (1) 350 -gpm pump and two (2) $200-\mathrm{gpm}$ pumps that are sized to an average daily flow of $144,000 \mathrm{gpd}$. This lift station currently serves an average daily flow of $114,300 \mathrm{gpd}$.

Our evaluation showed the need to upsize the existing Lift Station No. 2 to an average daily flow capacity of 0.4 MGD with the ability to reach a future capacity of 0.8 MGD by changing the pumps. This expansion will need to include an expansion of the existing wet well capacity and three (3) lift pumps to assume two (2) in service.

Table 2: Available Capacity at Existing Lift Stations

| Facility | Firm Capacity <br> (gpm) | Average Daily <br> Flow (gpm) | 2-Hr Peak Flow <br> (gpm) | Adequately <br> Sized? |
| :---: | :---: | :---: | :---: | :---: |
| Lift Station 1 | 872 | 387 | 833 | Yes |
| Lift Station 2 | 400 | 238 | 300 | Yes |

## IV. PROPOSED WWTP EXPANSION - OPTION 1

The first option to expand treatment facility capacity in the City is to expand the existing Stewart Creek WWTP from a capacity of 0.4 MGD to 0.8 MGD. The existing facility is designed as a bullseye-style plant, with room on the site for an additional, similar bullseye-style facility to be constructed. Initial influent loading data showed an increase in concentration from the parameters included in the existing facility's design report. It is recommended that additional influent loading data be collected and analyzed as part of the design of an expanded wastewater treatment facility.

This option will allow the sanitary sewer flow pattern in the City to remain the same as is existing; however, additional capital projects will be required throughout the City to maintain an increased flow throughout the existing sanitary sewer system. These improvements include upsizing the existing pumps at Lift Station No. 1 to a capacity of 0.8 MGD, upsizing Lift Station No. 2 to a capacity of 0.4 MGD with room for a future expansion to 0.8 MGD (as previously discussed) and replacing the existing 10 " gravity sanitary sewer line upstream from Lift Station No. 1 with a 15 " gravity sanitary sewer line (Attachment A). A high-level cost estimate for these improvements is shown below:

Lift Station No. 1 Expansion and 0.4 MGD WWTP: Lift Station No. 2 Replacement:
Gravity Sanitary Sewer Line Upsizing:
Contingencies (30\%)
Engineering (15\%)

Estimated Cost
\$8,825,000
\$1,200,000
\$1,800,000
\$3,548,000
$\$ 2,306,000$
Total: \$17,679,000

The City's latest water and sewer usage projections (Attachment B) indicate that the City's sanitary sewer flow will exceed 800,000 gpd by 2029 when considering existing connections,
platted developments, developments currently underway, developments in feasibility and design, and anticipated development within the current City Limits. As the City nears that limit, it is recommended that a 0.4 MGD and subsequent expansion to a 0.8 MGD facility be constructed at the existing Town Creek WWTP site to accommodate the demand.

## V. PROPOSED WWTP EXPANSION - OPTION 2

The second option to expand treatment facility capacity in the City is to demolish the existing Town Creek WWTP facility and reconstruct a new facility in its place with a capacity of 0.4 MGD and the option for a future capacity of 0.8 MGD. The existing facility is severely undersized for the City's needs and is now outdated. It is WGA's opinion that the cost to rehabilitate and expand the existing facility from its current condition would be costprohibitive and would not be in the best long-term interest of the City.

While a bullseye-style facility will fit on the site, there are significant elevation changes onsite that may allow for an efficient traditional WWTP design onsite with room for additional future basins to be added as needed. Initial influent loading data showed an increase in concentration from the parameters included in the existing facility's design report. It is recommended that additional influent loading data be collected and analyzed as part of the design of a new wastewater treatment facility.

This option will modify the existing sanitary sewer flow pattern, as all flow that is currently pumped through Lift Station No. 2 to the downstream manhole and ultimately to the Stewart Creek WWTP would then be treated at the Town Creek WWTP. This would relieve capacity in the gravity sanitary sewer line where Lift Station No. 2 currently discharges and would delay the need for said gravity sewer line to be upsized. As development in the City continues and regional growth continues to be established, it should be considered to redirect the Lift Station Nos. 8 and 3 force mains to the Stewart Creek WWTP service area instead of the current discharge locations in the Lift Station No. 2 gravity service area (see Figure 1). These redirections do not need to be completed at this time but should be considered as an option to relieve capacity at the Town Creek WWTP if needed.

WGA also evaluated the potential change in pumping costs at each lift station as a result of the changes in flow experienced with construction of the Town Creek WWTP. Our evaluation did not show a substantial change in pumping costs over the next 7-10 years.

The capital projects that would be required to be completed with Option 2 include the demolition and construction of the Town Creek WWTP and the replacement of Lift Station No. 2. No other capital projects would be required at this time. A high-level cost estimate for these improvements is shown below:

Lift Station No. 2 Replacement and 0.4 MGD WWTP:
Contingencies (30\%)
Engineering (15\%)

## Estimated Cost

$\$ 10,350,000$
\$3,105,000
$\$ 2,018,000$
\$15,473,000

The City's latest water and sewer usage projections (Attachment A) indicate that the City's sanitary sewer flow will exceed 800,000 gpd by 2029 when considering existing connections, platted developments, developments currently underway, developments in feasibility and design, and anticipated development within the current City Limits. It is recommended that an evaluation of flows at each plant is completed at that time to determine if the Town Creek WWTP or Stewart Creek WWTP (or both) should be upgraded to an ultimate phase of 0.8 MGD (1.2 MGD to 1.6 MGD total treatment plant capacity in City).

## VI. BUFFER ZONE REQUIREMENTS

According to Chapter 309 Subchapter B of the Texas Administrative Code of the TCEQ there are several buffer requirements for wastewater treatment facility locations. Wastewater facilities cannot be within:

- 100-year floodplain unless the plant unit is protected from inundation and damage that may occur during a flood event
- Wetlands
- 500 feet from a public water well
- 150 feet from a private water well
- 500 feet from a surface water treatment plant or ground storage tank.

Both existing WWTP sites have a portion of the site that is located within the 500 -year floodplain, 100 -year floodplain, or Floodway according to the latest FEMA FIRM maps. Exhibits of the current floodplain boundaries at each wastewater treatment facility are included as Attachments C and D . This will need to be taken into consideration when designing the proposed improvements, and a drainage analysis is recommended to determine the detention requirements as a result of the improvements. WGA does not anticipate any other TCEQ buffer zone compliance concerns.

## VII. TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM "TPDES" PERMIT

The City currently maintains permits on both the Town Creek and Stewart Creek Wastewater Treatment Plants. The current permit limit on the Town Creek WWTP is 0.175 MGD and the Stewart Creek Plant is 0.4 MGD.

In order to proceed with the expansion of either wastewater treatment plant, the City will need to obtain amended permits. If the City proceeds with Option 1, the City should immediately proceed with the preparation of a major permit amendment for the Stewart Creek Wastewater Treatment plant to add a ultimate phase of 0.8 MGD. If the City proceeds with Option 2, they should amend the permit to have an interim phase of 0.4 MGD and an ultimate phase of 0.8 MGD .

The City will eventually need to amend both permits to meet growing demands. After obtaining the permit amendment for the option selected above, the City should proceed with obtaining the other amendment to be ready for future expansion.

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City of Montgomery
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VIII. OTHER DESIGN CONSIDERATIONS

Additionally, the scope of the above work does not include any possible design changes that could arise as a result of consultation with the design consultant (and their subconsultants) that is selected by the City. The design consultant should consult with their subconsultants, the City Engineer, and City Staff to determine the final design. It is recommended that the design consultant coordinate a geotechnical investigation to determine site characteristics for design and construction of the lift station and structural components of the treatment facility. Furthermore, a topographic survey should be conducted of the site to ensure design elevations and hydraulics do not contain any conflicts.

## IX. SUMMARY \& RECOMMENDATION

WGA recommends proceeding with Option 2 as presented in this report, which includes demolition of the existing Town Creek WWTP, construction of a new WWTP on the same site, and expansion of Lift Station No. 2 to 0.4 MGD with the ability to be upgraded to 0.8 MGD in an ultimate phase. This option is not only a lower up-front capital expense but is a better option for the City as it looks to the future and anticipated growth on the west side of the City. Rebuilding the Town Creek WWTP will provide the City the flexibility to expand only the facilities that need to be expanded based on the location of new development. It will also relieve some capacity from the Stewart Creek WWTP and allow any expansion to the treatment facility or lift station to be delayed.

WGA recommends the design consultant selected by the City to perform a detailed Preliminary Engineering Report for the design of the Town Creek WWTP, and recommends the final design include the ability for additional basins to be constructed in the future.

We recommend the City continue to evaluate existing and anticipated development to ensure that the timing of construction aligns with the expected growth. The anticipated timeline for various activities is as follows:

- July - August 2023: Prepare and Release Request for Qualifications for Engineering Services
- August 2023: Authorize Preparation of the TPDES Permit Amendment
- September 2023: Receive Statements of Qualifications
- October 2023: Select Engineer and Enter Into Engineering Contract
- October 2023: TPDES Permit Amendment Submitted to TCEQ
- December 2023: Design Engineer Completes Preliminary Engineering Report, Proposed Site Plan, and Updated Cost Estimate
- February 2024: Received Amended TPDES Permit
- March 2024: City Secure Funding for Construction
- May 2024: Design Engineer Completes Design
- June 2024: Receive Bids for Construction
- August 2024: Construction Begins
- July 2025: Construction Complete

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City of Montgomery
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We trust this provides you with the information needed at this time. If you have any questions or comments, please call us at (713) 789-1900.


Katherine Vu, PE, CFM
Project Manager


Municipal \& Special Districts


|  | $\begin{gathered} \text { Current } \\ \text { Connections } \end{gathered}$ | $\left.\begin{array}{\|c} \text { Ultimate } \\ \text { Connections } \end{array} \right\rvert\,$ | Development Info \＆Capactities |  |  |  | $\begin{array}{\|c} \text { Gravity Lift } \\ \text { Station Service } \\ \text { Area } \\ \hline \end{array}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Water |  | Wastewater |  |  | 2023 |  |  | 2024 |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | $\begin{aligned} & \text { current } \\ & \text { Arctaval } \end{aligned}$ | Ulitimate | Current | Ulimate |  |  |  |  | 2025 | 2026 |  |  | 2027 |  |  |
| Commercial／Multi Family per ESFC Single Family |  |  | ${ }_{\substack{360 \\ 225}}$ | ${ }_{225}^{360}$ | $\underset{150}{250}$ | ${ }_{150}^{250}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Single family |  |  |  |  |  |  |  | Connections | GPD Water | GPD Sanitary | Connections | GPD Water | GPD Sanitary | Connections | GPD Water | GPD Sanitary | Connections | GPD Water | GPD Sanitary | Connections | GPD Water | GPD Sanitary |
| Suftalo crosing | ${ }^{24}$ | ${ }^{13}$ | ${ }^{1.800}$ | 2.925 | 1，200 | 1.950 | ${ }^{10}$ | 4 | 900 | 600 | 1 | 225 | 150 |  |  |  |  |  |  |  |  |  |
| Buflal Soprigs，Section 1 | ${ }_{63}^{24}$ | $\begin{array}{r}24 \\ 64 \\ \hline\end{array}$ |  |  |  |  | ${ }_{8}^{8}$ |  | 225 | 150 |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 4 <br> 21 | 27 <br> 25 <br> 25 |  |  |  |  |  |  | 225 <br> 25 <br> 225 |  |  | 675 225 |  |  | 675 225 |  |  | 675 |  |  | 675 |  |
| FM 149 Coridor Simon | ${ }_{21}^{21}$ | $\begin{array}{r}25 \\ 23 \\ \hline\end{array}$ | ${ }_{\text {l }}^{4,925}$ | 5，5,175 <br> 5,175 <br> 2.45 | 3，150 <br> 1,950 |  | ${ }_{2}^{2}$ |  | $\begin{array}{r}225 \\ 450 \\ \hline\end{array}$ | 150 <br> 300 |  | ${ }_{450}^{225}$ | 150 <br> 300 |  | ${ }_{450}^{225}$ | 150 <br> 300 |  | ${ }_{450}^{225}$ | ${ }^{150}$ | $\dot{-}_{2}$ | 450 | 300 |
|  | ${ }_{51}$ | $\begin{array}{r}55 \\ 11 \\ \hline\end{array}$ | 11，751,575 <br> 1,5 |  | 年， 1,050 |  | 2 |  | $\begin{array}{r}225 \\ 225 \\ \hline\end{array}$ | 150 <br> 150 | 1 | $\begin{array}{r}450 \\ 225 \\ \hline\end{array}$ | 300 <br> 150 | 1 | 450 225 | 300 <br> 150 | 1 | 425 225 | 300 <br> 150 |  |  |  |
| cill | ${ }_{3}^{3}$ | 3 <br> 10 <br> 1 | ${ }^{6} 675$ | ${ }^{675}$ | 450 | ${ }_{450}$ | ${ }^{2}$ |  | 225 |  | 1 | 225 |  |  |  |  |  |  |  |  |  |  |
|  | ${ }_{15}{ }^{8}$ | ${ }_{15}^{10}$ |  | 边$2,3,35$ <br> , 235 | 2，250 | 2，250 | $8_{8}^{8}$ |  |  |  |  | 225 |  |  |  |  |  |  |  |  |  |  |
| Sult Cost Estates，Section 2 | ${ }_{36}^{2}$ | 47 <br> 37 | ${ }_{8,100}^{450}$ | 管，3005 | 5，400 | ¢ | ${ }_{10}^{2}$ |  | ${ }^{450}$ | 300 |  |  |  |  |  |  |  |  | ： |  |  |  |
| 隹 | 40 <br> 18 | 45 <br> 4 <br> 4 | 9，000 | coin |  |  | ${ }_{10}^{10}$ |  | 450 900 | ${ }^{300}$ | 2 | 450 | 300 | 1 | 225 | 150 |  |  |  |  |  |  |
| Etereme | 18 10 | 10 <br> 10 | $4,2,50$ <br> 2,25 <br> 1050 | ［ |  |  | ${ }_{10}^{10}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ${ }^{\text {Fills of Town Creek，Section } 2}$ | 51 49 49 | 51 49 49 | 11，775 <br> 11,025 <br> 1.05 | coin | 7，6507,350 | li，50 | － $\begin{array}{r}6 \\ 6\end{array}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fills of Town creek Sec． 4 | ${ }^{23}$ | 30 | 5，175 | ${ }^{6,750}$ | 3，450 | 4，500 | 6 |  | 1.575 | 1，050 |  |  |  |  |  |  |  |  |  |  |  |  |
| Historiciosuntion | $\begin{array}{r}132 \\ 58 \\ \hline\end{array}$ |  |  |  |  | ¢， | ［ ${ }_{14}$ |  | 1，125 |  |  | 1，125 | ${ }^{750}$ | 4 | 900 | ${ }^{600}$ | 4 | 900 | 600 |  |  |  |
| Town creek crosinin Section 1 | 79 14 | 102 | 17，775 | 22，950 |  |  | ${ }_{10}^{10}$ | 40 | 9，000 | 6,000 | 2 | 450 | 300 |  |  |  |  |  | － |  |  |  |
|  | ${ }_{42}$ | ${ }_{42}$ |  |  |  | ${ }_{6}^{2,300}$ | ${ }_{1}^{1}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 35 | 53 <br> 89 <br> 8 | 10,350 <br> 7,875 |  | cose6,900 <br> 5,250 | 7,550 <br> 13,350 | $\stackrel{9}{9}$ | 3 15 | ${ }_{\text {3，375 }}^{6}$ | 2，250 | 20 | 4，500 | 300 3,000 | ${ }_{19}^{2}$ | 4， 4 4，20 | 3，850 | 2 | 450 | ${ }^{300}$ | 5 | 1，125 | 750 |
|  | 1 | ${ }^{1}$ | ${ }^{225}$ | 225 |  |  | ${ }_{2}^{2}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | 1，070 | ${ }_{4}^{4,007}$ | 3，300 <br> 890 | 3,300 <br> 880 | $\stackrel{2}{2}_{4}^{4}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ${ }^{\text {Communty Center }}$ |  |  | 200 <br> 360 <br>  | （ $\begin{array}{r}200 \\ 300 \\ \hline 200\end{array}$ | 150 <br> 250 <br> 50 | 150 <br> 250 <br> 250 | ${ }_{2}^{2}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| cear Brake Park Restrooms |  |  | ${ }^{200}$ | 200 | ${ }^{150}$ | 150 <br> 150 <br> 150 | ${ }^{2}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ${ }^{\text {Ferlmand Park }}$ Homeoming Park Restroms |  |  |  | $\begin{array}{r}200 \\ 200 \\ \hline\end{array}$ | 150 <br> 150 | （150 | ${ }_{10}^{10}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| （ Water Plant No． 3 |  | 11 | 4，4，000 | ［，${ }_{2,400}^{4}$ | 2，2,000 <br> 1,200 | 2，2,000 <br> $1 ., 50$ | ${ }_{2}$ |  | 675 | 450 |  |  |  |  |  |  |  |  |  |  |  |  |
| Subtotal | ${ }^{897}$ | 1，077 | ${ }^{203,955}$ | 244，455 | 134，300 | 157，640 |  | ${ }^{95}$ | ${ }^{21,375}$ | ${ }^{13,650}$ | ${ }^{42}$ | 9，450 | 5，700 | ${ }^{35}$ | 7，875 | 4，800 | ${ }^{15}$ | 3，375 | 1，800 | 10 | 2，250 | 1，050 |
| Commercial Plated and Exisiting |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | 越， |  | 650 <br> 900 | ¢，950 | 12 10 |  |  |  | 2 | 3，600 | 2,340 | 2 | 3，600 | 2，340 | 1 | 1，800 | 1，170 |  |  |  |
|  |  |  | （1， |  | 384 |  | 12 <br> 9 <br> 13 | 1 | 1.567 | 1.018 |  |  |  | 2 | 3，133 | 2.037 |  |  |  |  |  |  |
|  |  |  | $\underset{\substack{225 \\ 750}}{ }$ | $\xrightarrow{250}$ |  | 1468 <br> 488 <br> 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 1 |  | 360 |  | ${ }^{234}$ | （ $\begin{gathered}\text { 234 } \\ 3,250 \\ 2\end{gathered}$ |  |  |  |  | 1 | 2.500 | 1.625 |  |  |  | 1 | 2.500 | 1.625 |  |  |  |
| ${ }^{\text {Prizas shack }}$ Peste swits |  |  | 4，900 | 退 4,00000 | $\begin{array}{r}3.185 \\ \hline 88 \\ \hline\end{array}$ | 2，600 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 1，5000 |  | 7，880 |  |  |  |  | 1 | 4,000 | 2，500 |  | 2，500 | 1，625 | 1 | 2，500 | 1，625 |  |  |  |
|  |  |  | $\begin{array}{r}1,300 \\ 17,000 \\ \hline\end{array}$ | ＋1，300 | （12，550 | 845 <br> 11,050 <br> 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Procore Develoloments |  |  | ${ }^{1,500}$ | ${ }_{1}^{1,500}$ |  | 1，050 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| －Christian rioteres |  |  | 225 <br>  <br> 225 | ${ }_{405}^{225}$ | 146 146 14 |  <br> 263 <br> 263 | －${ }_{3}^{1}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| kroger |  |  | 4，500 | 5，000 | 2,925 | 3，250 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | 4，943 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | － | － | 1 | 3，000 | 1，950 |  |  |  |  |  |  |  |  |  |
|  |  |  |  | （ |  | （i， |  |  |  |  |  |  |  |  | 6,000 | 3，900 |  |  |  |  |  |  |
|  | 1 |  | ${ }_{\text {2，}}^{3.100}$ | 2， 3 | ${ }_{\substack{1,365 \\ 234}}$ | （1，365 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  | 1 | 4，000 | 2，600 |  |  |  | 1 | 4，000 | 2,600 |  |  |  |
|  |  |  | 7,000 <br> 1.500 | 7，7,000 <br> 1,500 | 4，55015 | 4，590 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ${ }^{\text {a }}$ ， |  |  | ${ }_{1,500}^{1,500}$ | 1，500 | 975 | 975 | 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Heritage Medical CenterLone Star Pkwy Office Building |  |  | 600 400 4 | （1，200 | 390 <br> 260 <br> 1 | 780 468 4 | ［ $\begin{array}{r}3 \\ 1 \\ 1 \\ 1\end{array}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | 225 | ${ }^{225}$ | 146 | 146 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | 225 <br> 850 <br> 25 | 225 <br> 850 | 146 <br> 553 <br> 1 | ${ }_{\substack{146 \\ 553 \\ \hline}}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mentemer Comm |  |  | 2525 225 225 | $\begin{array}{r}225 \\ 225 \\ \hline 25 \\ \hline\end{array}$ | （146 | 1146 | － $\begin{array}{r}2 \\ 5\end{array}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| （lit hardwie |  |  |  | 25，000 |  | $\begin{array}{r}146 \\ 16,250 \\ \hline 150\end{array}$ | ${ }_{9}^{10}$ |  |  |  |  |  |  | 10，000 |  | 6，500 |  | 10，000 | 6，500 |  |  |  |
| Lake Creek Village 3 Commercial（Res A \＆B） Waterstone Commercial Reserves |  | 1，000 |  | － | 650 | 10,400 <br> 2，600 |  |  |  |  |  |  |  |  |  | 8，7，50 |  | ¢， |  |  |  |
|  |  | $\begin{array}{r}225 \\ 1.450 \\ \hline\end{array}$ |  | （ | ${ }_{196}^{196}$ | （146） |  |  | 225 | 146 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Propes | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |


|  |  |  | Development | for C Capacties | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | wa |  |  | ter |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | $\begin{gathered} \text { Current } \\ \text { Connections } \end{gathered}$ | Ultimate Connections | $\begin{aligned} & \text { Current } \\ & \text { Actual } \end{aligned}$ | Ultimate | Current | Ultimate | $\begin{array}{\|c} \text { Station Service } \\ \text { Area } \end{array}$ |  | 2023 |  |  | 2024 |  |  | 2025 |  |  | 2026 |  |  | 2027 |  |
| Commercial/Multi Family per ESFC Single Family |  |  | ${ }_{225}^{360}$ | ${ }_{\substack{325 \\ 205}}$ | ${ }_{150}^{250}$ | $\underset{150}{250}$ |  | conectios |  | Gpos satar | Conectios |  | Gpo sentar | Conectios |  | Gpos selar |  |  |  |  |  |  |
| Commercial Plated and Existing (cont.) |  |  |  |  |  |  |  | Connections | Gpowater | GPD Santiar | Connections | Gpo water | GPo Santiar | Comnections | Gpowater | GpP Sanitary | Comnections | GPD Water | GpD Sanitary | Comnections | GPD water | GpD Sanitary |
|  |  |  | ${ }^{405}$ |  | 26 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Town Creek Crossing Commercial Reserves |  |  |  | 8.000 |  | 5.200 | ${ }_{10}$ |  |  |  |  | ${ }_{1}^{1,33}$ |  |  | 2,667 | 1,773 |  |  |  |  |  |  |
|  |  |  |  |  |  |  | 9 | 2 | 5,000 | 3,250 |  |  | 1,300 <br> 3,250 |  |  | 867 1,625 |  |  |  | 1 | ${ }^{1,3,33}$ | ${ }^{867}$ |
| Retail center | 1 |  | 2.000 | 4,000 | 1,300 | 2,600 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ${ }_{\text {chem }}^{\text {chic FilA }}$ |  |  |  |  | 2,080 | 2,080 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| cens |  |  | (1,4005 | (1,4005 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ster | ${ }_{1}^{1}$ |  | (1,000 | [1,000 |  | ${ }_{\substack{65 \\ 156}}^{650}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | ${ }_{79}^{12}$ | ${ }_{79}^{12}$ | (3.000 | 3.000 28,000 | 1.550 18,200 | 1,550 18,200 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Subtotal | ${ }^{138}$ | 190 | 100,990 | ${ }^{23,9,95}$ | ${ }_{65,63}$ | $\stackrel{158,545}{ }$ |  | 5 | ${ }^{8,667}$ | ${ }_{5}^{5,633}$ | ${ }^{13}$ | ${ }^{34,183}$ | ${ }^{22,219}$ | ${ }^{12}$ | ${ }^{31,733}$ | ${ }^{20,627}$ | ${ }^{8}$ | 24,550 | 15,958 | 1 | 1,333 | ${ }^{867}$ |
| Multi family |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Heritage Plaza (Units) | 208 152 | 208 152 | 22000 | 22,000 | 11,000 | ${ }_{\text {11, }}^{11,00}$ | ${ }^{3}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | $\begin{array}{r}152 \\ 48 \\ \hline\end{array}$ | $\begin{array}{r}152 \\ 48 \\ \hline\end{array}$ | $\underbrace{2200}_{\substack{25,000 \\ 6,000}}$ |  |  | (12,500 | ${ }_{9}^{6}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | ${ }_{14}^{14}$ | ${ }^{14}$ |  | ( | (1, $\begin{aligned} & \text { j, } 1,500 \\ & 1,150 \\ & 1\end{aligned}$ | li, <br> $\substack{\text { 1,150 } \\ 1,150}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | $\frac{1}{72}$ |  | 2,300 <br> 10,300 |  | (1,500 | 9 | 72 | 10,300 | 8,600 |  |  |  |  |  |  |  |  |  |  |  |  |
| Subboal | ${ }^{423}$ | ${ }^{495}$ | 57,600 | 6,900 | 28,800 | 37,400 |  |  | ${ }^{10,300}$ | 8,600 |  |  |  |  |  |  |  |  |  |  |  |  |
| Institutional (Schools) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MISS Athletic Complex |  |  | 6,800 |  | 3,400 | 3,400 | ${ }_{6}^{6}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | 10,000 500 coser | 10.000 | ${ }_{3}^{5}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bus Barn |  |  | 1,0000 <br> 1,000 | (1,000 | ${ }_{500}^{500}$ | $\begin{array}{r}500 \\ 50 \\ \hline\end{array}$ | $3^{3}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | 2,2,500 <br> 4.500 |  |  | (1,250 | ${ }_{3}^{2}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Subtotal |  |  | 35,800 | ${ }^{35,800}$ | 12,900 | 17,900 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Iririation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Single family Residential | ${ }_{61}^{61}$ | 100 |  | 26.500 |  |  |  | 39 | 10,335 | . |  |  |  |  |  |  |  |  |  |  |  |  |
| Commercalalirgation | 31 <br> 1 | 1 |  | cinco | . | $:$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mmsprithis shool lrigation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | 1,5000 | (1,500 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ${ }_{\text {cose }}^{\text {ces }}$ |  |  | 1,200 <br> 530 <br> 100 | $\begin{array}{r}1,200 \\ 530 \\ \hline\end{array}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| (tater | ¢ | 9 |  | [4500 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| subtotal | ${ }^{107}$ | 185 | ${ }^{34,895}$ | 56,930 |  |  |  | ${ }^{78}$ | ${ }^{22,035}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Committed | ${ }_{1,467}$ | 1,771 | 398,35 | 2,070 | 6,733 | 1,485 |  | 250 | 62,377 | 27,883 | ${ }_{5}$ | $\frac{13,63}{}$ | 27,919 | ${ }^{47}$ | ${ }^{39,608}$ | 25,427 | ${ }^{23}$ | 27,925 | ${ }^{17,758}$ | 11 | 3,83 | 1,917 |
|  |  |  |  |  |  |  |  |  |  |  |  | 2024 |  |  | 2025 |  |  | 2026 |  |  | 2027 |  |
|  |  |  |  | Total ${ }_{\text {Pror }}$ | jected comm | ted Volumes: |  | ${ }^{\text {Comenections }} 1$ | ${ }_{4}^{\text {GPD Water }}$ (60, 22 | ${ }^{\text {GPD Sanitar }}$ 274,617 | ${ }^{\text {comentions }} 1.7$ | ${ }_{\text {GPP Water }}^{50,355}$ | ${ }^{\text {GPD Santary }}$ 302,36 | ${ }^{\text {Comenections }} 1.819$ | ${ }_{\text {GPD Water }}^{543,63}$ | ${ }^{\text {GPD Sanitar }}$ 37,62 | Connetions 1,84 | ${ }_{\text {GPP Water }}^{51,888}$ | ${ }^{\text {GPP Sanitary }}$ 34,720 | Comenetions 1,85 | ${ }_{\text {cre }}^{\text {GPD Water }}$ 57,42 | ${ }_{\text {Sanitary }}^{347,37}$ |
| Future Development in Feasibilit/Design |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Red Bird Meadows |  |  |  |  |  |  |  |  |  |  | 90 | 20,250 | 13,500 |  | 20,250 | 13,500 | 90 | 20,250 | 13,500 | 90 | 20,250 | 13,500 |
|  |  | ${ }_{309}^{385}$ |  |  | . |  | ${ }_{14}^{14}$ |  |  |  | 75 | ${ }^{16,875}$ | 11,250 | 385 <br> 75 | come | cis, | 75 | 16,875 | 11,250 | 50 | 11,250 | 7,500 |
| Meadow Ridge |  | 81 <br> ${ }_{23}$ |  | $\underset{\substack{18,25 \\ 5,175}}{\substack{\text { c, }}}$ |  | 12,150 <br> 3,450 <br> 1.50 | 14 |  |  |  | 60 18 | 13,500 4.500 | 9,000 | ${ }_{2}^{21}$ | ${ }_{\text {l }}^{4,125}$ | 3,1500 |  |  |  |  |  |  |
| Suter |  | ${ }_{98}^{23}$ | - |  |  |  | ${ }^{14}$ |  |  |  |  |  |  | $\stackrel{58}{58}^{5}$ | (12,831 | $\xrightarrow{10,647}$ | ${ }_{40}^{40}$ | 88849 |  |  |  |  |
|  |  |  |  | 17,262 <br> 15,000 |  | 14,350 7,500 | ${ }_{10}$ |  | - |  | 1 | 15,000 | 7,500 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| subtotal |  | ${ }_{902}$ |  | 207,022 |  | 151,940 |  |  |  |  | ${ }^{244}$ | .,675 | 3,950 | ${ }^{637}$ | ${ }_{128,73}$ | 100,60 | ${ }^{206}$ | 5,289 | ${ }^{35,880}$ | ${ }^{140}$ | 31,500 | 2,00 |
| mmitte Plus Feasibility | 1,467 | 2,673 | 398,35 | 799,162 | 246,73 | 523,425 |  |  | 2023 |  |  | 2024 |  |  | 2025 |  |  | 2026 |  |  | 2027 |  |
|  |  |  | Total ${ }_{\text {Pr }}$ | ted Comm | ted Volumes | Ius Feasibility |  | ${ }_{\text {connetions }}^{1,17}$ | ${ }_{\text {cro water }}^{460,722}$ | ${ }_{\text {cos Santary }}^{274,617}$ | ctions | ${ }_{\text {cpo mater }}^{\text {S7,030 }}$ |  | ${ }_{\text {ctions }}$ | ${ }^{\text {Watarer }}$ | ${ }_{\text {Santay }}^{471,972}$ | ${ }_{\text {tions }}$ | ${ }_{\text {820,0 }}{ }^{\text {Was }}$ | ${ }_{\text {Santary }}^{525,40}$ | ${ }_{\text {tions }}^{\text {3,080 }}$ | ${ }^{\text {Wester }}$ |  |






\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \& \& \& ment \& fo \＆Capacties \& \& \& \& \& \& \& \& \& \& \& \\
\hline \& \& \& \& \& \& \& \& \& \& \& \& \& \& \& \\
\hline \& \[
\begin{gathered}
\text { Current } \\
\text { Connections }
\end{gathered}
\] \& Ultimate \& \[
\begin{aligned}
\& \text { Current } \\
\& \text { Actual }
\end{aligned}
\] \& Ulitimate \& Current \& Ultimate \& \& 2040 \& \& \& 2045 \& \& \& 2050 \& \\
\hline Commercial／Multi Family per ESFC
Single Family \& \& \& \(\underset{\substack{360 \\ 225}}{ }\) \& \(\underset{2}{3}\) \& \(\underset{\substack{250 \\ 150}}{\text { 20 }}\) \& \(\xrightarrow{250}\) \& \& \& \& \& \& \& \& \& \\
\hline \& \& \& \& \& \& \& Connections \& GPD Water \& GPD Sanitary \& Connections \& GPD Water \& GPP Sanitary \& Connections \& GPD Water \& GPD Sanitary \\
\hline Suffal Crossing \& \& 13 \& \({ }_{1}, 800\) \& 2.925 \& 1.200 \& 1，950 \& \& \& \& \& \& \& \& \& \\
\hline Butale sorings，Section 1 \& \({ }_{26}^{24}\) \& \({ }_{24}^{13}\) \&  \& 5， \&  \&  \& \& \& \& \& \& \& \& \& \\
\hline Eutaile spings，Seetion 2 \& \({ }^{63}\) \& 64
27
27 \& 14，750 \& cis， \& \& \& \& \& \& \& \& \& \& \& \\
\hline  \& \begin{tabular}{|c}
21 \\
13
\end{tabular} \& \begin{tabular}{|r}
25 \\
23 \\
\hline
\end{tabular} \&  \&  \&  \&  \& \& \& \& \& \& \& \& \& \\
\hline  \& \({ }_{51}^{51}\) \& 55 \& coint \& （12，375 \& ， \&  \& \& \& \& ． \& \& \& \& \& \\
\hline \({ }_{\text {Baja }}^{\text {Bamad }}\) Community Center orive \& \& \& 1，575 \& \begin{tabular}{|c|}
2,475 \\
\hline 675 \\
\hline
\end{tabular} \&  \& \({ }_{\text {1，}}^{4.550}\) \& \& \& \& \& \& \& \& \& \\
\hline Communty Center Drive（Water Only） \& \begin{tabular}{|r}
8 \\
8 \\
\hline 8
\end{tabular} \& 10 \& 1，800 \& 2，250 \& \& \& \& \& \& \& \& \& \& \& \\
\hline lele \& \({ }^{15}\) \& \({ }^{15}\) \&  \& ｜r300 \& \(\begin{array}{r}2,250 \\ 300 \\ \hline\end{array}\) \& \begin{tabular}{c}
2,250 \\
\hline 1500 \\
\hline
\end{tabular} \& \& \& \& \& \& \& \& \& \\
\hline Leme \& \({ }_{36}^{26}\) \& \({ }_{37}^{47}\) \& \({ }_{8,100}^{4,500}\) \& \({ }_{8,325}\) \& 5，400 \& 5，550 \& \& \& － \& \& \& \& \& \& \\
\hline  \& 40
18 \& \({ }^{45}\) \& 年， \(\begin{aligned} \& \text { 4，000 } \\ \& \text { 4，50 }\end{aligned}\) \&  \&  \&  \& \& \& \& \& \& \& \& \& \\
\hline  \& \({ }_{10}^{10}\) \& \({ }^{10}\) \& 2， \& － \& 1，500 \& cose \& \& \& － \& \& \& \& \& \& \\
\hline  \& \begin{tabular}{|c}
51 \\
49 \\
\hline
\end{tabular} \& \({ }_{49}^{51}\) \&  \&  \&  \& li，\({ }_{\text {l，}}^{7,50}\) \& \& \& ． \& \& \& \& \& \& \\
\hline Fills of Town creek Sec． 4 \& \({ }^{23}\) \& \({ }^{30}\) \& 5.175 \& \& \& 4，500 \& \& \& \& \& \& \& \& \& \\
\hline  \& \begin{tabular}{c}
132 \\
58 \\
\hline
\end{tabular} \& 150
61
61 \&  \&  \& 退8，800 8 \&  \& － \& \& ： \& ． \& \& \& － \& \& \\
\hline  \& \begin{tabular}{|c}
79 \\
79 \\
\hline 18
\end{tabular} \& 102 \& （11，775 \& coin \& coin \& cis， 15.300 \& \& \& \& \& \& \& \& \& \\
\hline  \& 14 \& \({ }_{14}^{14}\) \&  \&  \& 2，100 \&  \& \& \& － \& \& \& \& \& \& \\
\hline Watestone，section 1 \& \begin{tabular}{l}
46 \\
45 \\
4 \\
\hline
\end{tabular} \& 5 \& （10，300 \& －12，925 \&  \& （1， 7 T，500 \& ． \& \& － \& － \& \& \& \& \& \\
\hline Carem Cartammons \& \& \& \begin{tabular}{l}
7,875 \\
\hline 225 \\
\hline
\end{tabular} \& 20，025 \& ciso \&  \& \& \& \& \& \& \& \& \& \\
\hline Moble \(\begin{aligned} \& \text { Mobie Home Park（（comnection）} \\ \& \text { city tal }\end{aligned}\) \& 29 \& \& 4,000
1,007
1， \& 4，000 \(\begin{array}{r}\text { 1，070 } \\ \text { ，}\end{array}\) \& 3,300
890 \& ci，\({ }_{890}\) \& \& \& \& \& \& \& \& \& \\
\hline Community Center \& \& \& \& 200 \& 150 \& 150 \& \& \& \& \& \& \& \& \& \\
\hline  \& \& \& \(\begin{array}{r}360 \\ 200 \\ \hline 20\end{array}\) \& 360
200
200 \& \begin{tabular}{l}
250 \\
150 \\
\hline 150 \\
\hline
\end{tabular} \& \({ }^{250} 150\) \& \& \& \& \& \& \& \& \& \\
\hline  \& \& \& \(\begin{array}{r}200 \\ 200 \\ \hline\end{array}\) \& \begin{tabular}{|c}
200 \\
200
\end{tabular} \& \(\begin{array}{r}150 \\ 150 \\ \hline 1\end{array}\) \& \begin{tabular}{l}
150 \\
150 \\
250 \\
\hline
\end{tabular} \& \& \& \& \& \& \& \& \& \\
\hline  \& \& \& 年， \& （ \(\begin{array}{r}4.000 \\ 2.475 \\ \hline\end{array}\) \&  \& 2， \begin{tabular}{c}
2,000 \\
1,50 \\
\hline
\end{tabular} \& \& \& \& \& \& \& \& \& \\
\hline \& \({ }^{897}\) \& 1，077 \& \(\stackrel{\text { 203，955 }}{ }\) \& 244，455 \& 134，300 \& 157，640 \& \& \& \& \& \& \& \& \& \\
\hline Commercial Plated and Existing \& \& \& \& \& \& \& \& \& \& \& \& \& \& \& \\
\hline Buffal Run，Section 1 \& \& 6 \& 1.000 \& \({ }^{10,000}\) \& 650 \& 6.500 \& \& \& \& \& \& \& \& \& \\
\hline Lenteme Grens Minature Gof \& \& \&  \&  \& \({ }_{\substack{945 \\ 895}}\) \& 3，900 \& \& \& \& \& \& \& \& \& \\
\hline （restige Storage（SBP Res． 0 ） \& \& \& \begin{tabular}{l}
225 \\
750 \\
\hline
\end{tabular} \& \({ }_{750}^{225}\) \& \({ }_{\substack{146 \\ 488}}\) \& \({ }_{\text {d }}^{188}\) \& \& \& \& \& \& \& \& \& \\
\hline Autuzone \& \& \& 360 \& 360 \& \({ }_{234}\) \& \({ }_{234} 23\) \& \& \& \& \& \& \& \& \& \\
\hline  \& \& \& \& 5，000 \& \& 3，550 \& － \& \& \& \& \& \& \& \& \\
\hline ctize \& \& \& \({ }_{\text {l，}}^{1,200}\) \& 4，5000 \& \begin{tabular}{l} 
3，185 \\
780 \\
\hline
\end{tabular} \& ci， \& \& \& \& \& \& \& \& \& \\
\hline ｜ex \& \& \& \&  \& \& \(\underset{\substack{7,800 \\ 845}}{ }\) \& \& \& \& \& \& \& \& \& \\
\hline Wustrs cra wash \& \& \& － 17,000 \& （17，000 \& －11，050 \& －11，050 \& \& \& \& \& \& \& \& \& \\
\hline  \& \& \& 1.500
\(\substack{125}\)

2，50 \& ¢ | 1.5005 |
| :---: |
| 225 | \& ${ }_{1} 966$ \& ${ }_{146}^{145}$ \& \& \& \& \& \& \& \& \& <br>

\hline Madese and Richards \& \& \& ＋225 \& 告， \& $\begin{array}{r}146 \\ 2925 \\ \hline\end{array}$ \& － 2 2，35 \& \& \& \& \& \& \& \& \& <br>
\hline Burger King \& \& \& 1，450 \& 1，450 \& 943 \& 993 \& \& \& \& \& \& \& \& \& <br>
\hline  \& \& \& \&  \& \& ${ }_{\text {4，}}^{\text {4，950 }}$ \& \& \& \& \& \& \& \& \& <br>
\hline  \& \& \& \&  \& \&  \& \& \& \& \& \& \& \& \& <br>
\hline Sinitit fexes sank \& \& \& ${ }_{\substack{2,100 \\ 130}}^{\substack{\text { a }}}$ \& ci， \& ${ }_{\text {1，}}^{1,354}$ \&  \& \& \& \& \& \& \& \& \& <br>
\hline  \& \& \& \& ［ 12.000 \& \& － \& \& \& \& \& \& \& \& \& <br>
\hline Butala Springes shoping，ph． 2 \& \& \& \& （8，000 \& \&  \& \& \& \& \& \& \& \& \& <br>
\hline Brooskhire Brothers \& \& \& 年1．500 \& － $\begin{array}{r}\text { 1．500 } \\ 1.500 \\ 1 \\ 1\end{array}$ \& 975 \& ${ }_{\text {，}} 9$ \& \& \& \& \& \& \& \& \& <br>
\hline  \& \& \& \& 1， $\begin{array}{r}1,200 \\ 1,200 \\ \hline\end{array}$ \& ${ }_{390}^{975}$ \& ${ }_{780}^{975}$ \& \& \& \& \& \& \& \& \& <br>

\hline Lene star Prwy Office euilding \& \& \& | 400 |
| :--- |
|  |
| 205 | \& | 120 |
| :--- |
| 225 |
| 205 | \&  \& | 468 |
| :--- |
| 146 |
| 148 | \& \& \& \& \& \& \& \& \& <br>

\hline Appache Masthine shop \& \& \& ${ }_{225}^{225}$ \& ${ }_{225} 22$ \& ${ }^{146}$ \& ${ }_{126}^{146}$ \& \& \& \& \& \& \& \& \& <br>

\hline Mentsomev community Center（lone Star） \& \& \& | 850 |
| :--- |
| 225 |
| 225 | \& － $\begin{array}{r}850 \\ 225 \\ 225 \\ \hline\end{array}$ \& 㐌 146 \& ¢ ${ }_{146}^{536}$ \& \& \& \& \& \& \& \& \& <br>

\hline  \& \& \& ${ }^{225}$ \& \& ${ }^{146}$ \& $\begin{array}{r}146 \\ 16,250 \\ \hline\end{array}$ \& \& \& \& \& \& \& \& \& <br>
\hline  \& 3 \& ${ }_{1}^{11}$ \& 1，000 \& coistioun \& 650 \& coiditiso \& \& \& \& \& \& \& \& \& <br>
\hline  \& \& \& \& ＋4，000 \& \&  \& \& \& \& \& \& \& \& \& <br>
\hline （express Oiland Tire \& \& \& （225 \& 225
1.450 \& ${ }_{943}^{146}$ \& 1463 ${ }_{94}^{146}$ \& \& \& \& \& \& \& \& \& <br>
\hline
\end{tabular}



|  | $\begin{gathered} \text { Current } \\ \text { Connections } \end{gathered}$ | $\begin{gathered} \text { Ultimate } \\ \text { Connections } \end{gathered}$ | Development Itifo \& Capactities |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Water |  | Wastewater |  |  |  |  |  |  |  |  |  |  |
|  |  |  | $\begin{aligned} & \text { Currert } \\ & \text { Actual } \end{aligned}$ | Ultimate | current | Ultimate | 2040 |  |  | 2045 |  |  | 2050 |  |  |
| Commercial/Multi Family per ESFC Single Family |  |  | ${ }_{\substack{360 \\ 225}}$ | ${ }_{2}^{360}$ | $\begin{gathered} \frac{12 n t e x ~}{250} \\ 150 \end{gathered}$ | $\underset{\substack{250 \\ 150}}{ }$ |  |  |  |  |  |  |  |  |  |
| Poterntal future eevelomment (Wirthin current ciry Limis |  |  |  |  |  |  | Connections | GPD Water | GPD Sanitary | Connections | GPD Water | GPD Sanitary | Comnections | GPD Water | GpD Sanitary |
| HEEB Tatat HEES store only |  |  |  | 10,000 |  | 6.500 |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 10,00 <br> 15,500 |  | ¢, |  |  |  |  |  |  |  |  |  |
| Summit Susiness Park, phase 2 Moon veremontigenery |  |  |  | ${ }_{\text {4,3,75 }}^{4,400}$ |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 36 <br> 126 | : | 8,100 <br> 28,50 <br> 200 |  | (5,25 |  |  |  |  |  |  |  |  |  |
| Hills of Town Creek Section 5 |  |  |  | 16,200 |  | 10,800 |  |  |  |  |  |  |  |  |  |
| ${ }^{\text {Peteer fill } 5.7 .7 .7 . e ~ F e a s i b i l i t y ~}$ |  | 5 9 |  | ( $\begin{array}{r}\text { S.000 } \\ 20,700 \\ \hline\end{array}$ |  |  | - | - | - | . | - | . | - | . |  |
| Oild Montzomer Food Gardens |  | 212 |  | 2,180 <br> 47700 |  | 退, |  |  |  |  |  |  |  |  |  |
| Summer Wind |  | ${ }_{211}^{211}$ |  | 47,775 |  | ${ }^{31,550}$ |  |  |  |  |  |  |  |  |  |
|  |  | 1,519 |  | 379,650 <br> 178,550 |  |  | 835 | 208,748 | 166,999 |  |  |  |  |  |  |
| Group 1 (Res low) |  | ${ }^{114}$ |  | ${ }^{28,530}$ |  | ${ }^{22,820}$ |  |  |  |  |  |  |  |  |  |
|  |  | 2073 |  |  |  | 41,390 <br> 56,600 <br> 1 | ${ }^{141}$ | 35,24 | 28,201 |  |  |  |  |  |  |
| Group 1 F (Mix Use) |  | 162 |  | 40,610 |  | ${ }^{32,480}$ |  |  |  |  |  |  |  |  |  |
|  |  | ${ }^{86}$ |  | 21,450 |  | 17,160 |  |  |  |  |  |  |  |  |  |
|  |  | $\begin{array}{r}230 \\ 214 \\ \hline\end{array}$ |  | cois57,490 <br> 53,510 |  | 45,980 42.810 |  |  |  |  |  |  |  |  |  |
| Group 1 (Mixix Se) |  | ${ }^{1324}$ |  | ${ }^{333,920}$ |  | 264730 | 60 | 15,000 | 12,000 |  |  |  |  |  |  |
|  |  | ${ }_{1}^{153}$ |  |  |  | 30,20 <br> 30,60 |  |  |  |  |  |  |  |  |  |
| $\square$ subtotal |  | ${ }_{5,728}$ |  | 1,450,335 |  | ${ }^{1,136,929}$ | 1,036 | 258,94 | 207,199 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | 2040 |  |  | 2045 |  |  | 2050 |  |
|  |  | Total Projectec | mnitted | es Plus | bilit, Plus | tential 1 -city | ${ }^{\text {Comnections }}$ | ${ }_{\text {Gpo water }}^{1,9515002}$ | ${ }_{\text {GPD Sanitary }}^{1,353,52}$ | ${ }_{\text {connections }}^{1,186}$ | ${ }_{\text {GPO Water }}^{1,915,02}$ | ${ }_{\text {GPOPS Saniary }}^{1,33,582}$ | ${ }_{\text {comections }}^{\text {l, } 186}$ | ${ }_{\text {GPD Water }}^{1,915,02}$ | ${ }^{\text {GPD Sanitary }} 1.3515$ |
| Potential future eevelopment (ET) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Group 28 (Res Low Density) |  | 150 |  | 37,400 |  | ${ }^{29,990}$ | 75 | 18,754 | 14,997 |  |  |  |  |  |  |
|  |  | 退888 |  |  |  |  |  |  |  | 214 | 53,501 | 42,799 | 214 | 53,501 | 42,799 |
| Grup 2E Mix Sse) |  | 1118 |  | ${ }^{279,380}$ |  | 223,500 | ${ }_{228}^{228}$ | 56,999 | 4,5988 | 229 | 57,29 | 45,798 |  |  |  |
|  |  | 406 406 |  | 102,50 <br> 102400 |  | ${ }_{\substack{82,30 \\ 81,120}}$ | 136 <br> 38 <br> 8 | 34,055 | $\underset{\substack{27,201 \\ 7 \\ \hline \\ \hline \\ \hline \\ \hline}}{ }$ |  | 34,255 |  | ${ }^{137}$ | 34,255 | 27,001 |
| Group 2H(Res Low Density) |  | 229 |  | 57,320 |  | 45,550 | 54 | 13,504 | 1,8,02 | 54 | 13,504 | 10,802 | 54 | 13,504 | 10,802 |
| Potential Ulimate Totals |  | 4,063 |  | 1,015,850 |  | ${ }_{812,30}$ | 1,328 | ${ }^{332,022}$ | 265,59 | 634 | 158,51 | ${ }^{126,801}$ | 405 | 101,260 | ${ }_{81,02}$ |
|  |  |  |  |  |  |  |  | 2040 |  |  | 2045 |  |  | 2050 |  |
|  | 1,467 | 12,464 | ${ }_{\text {398,355 }}$ | ${ }_{\text {3,25,347 }}$ | ${ }_{24,733}$ | 2,472,984 | Comnetions 0 | ${ }_{\text {GPO Water }}^{\text {2,40, } 229}$ | ${ }_{\text {GPD Sanitary }}^{1,76,42}$, | Connections 9 | ${ }_{\text {GPO}}^{\text {Water }}$ 2,56, 388 | ${ }_{\text {GPOPSanitary }}^{1,883,242}$ | Comnetions 10,189 | ${ }_{\text {2 }}^{\text {Po Water }}$ | ${ }_{\text {SPO Santary }}^{1,954,25}$ |

Historical Sanitary Sewer Flows from 2017 to 2022


Sewer Demand Projections Through 2030




