

AGENDA

CITY OF TAYLOR, TEXAS
SPECIAL CALLED CITY COUNCIL MEETING
CITY HALL, COUNCIL CHAMBERS, 400 PORTER STREET

AUGUST 2, 2022, 6:00 P.M.

CALL TO ORDER AND DECLARE A QUORUM

CITIZEN COMMUNICATION

REGULAR AGENDA

1. Water & Sewer Current and Future Needs Workshop (Jacob Walker)

ADJOURN

The Council may vote and/or act upon each of the items listed in this Agenda. The Council reserves the right to retire into executive session concerning any of the items listed on this Agenda, whenever it is considered necessary and legally justified under the Open Meetings Act including: Section 551.071 (Consult with attorney); Section 551.072 (Real Property); Section 551.073 (Gifts and Donations); Section 551.074 (Personnel Matters); Section 551.076 (Security Devices); and Section 551.087 (Economic Development). I certify that the notice of meeting was posted in the Taylor City Hall Lobby before 6:00 p.m. on July 29, 2022 and remained posted for at least 72 hours continuously before the scheduled time of said meeting. I further certify that the following news media was notified of this meeting: Taylor Press.

In compliance with the ADA the City Hall and Council Chambers is wheelchair accessible. Reasonable accommodations will be provided for persons attending city council meetings in need of special assistance. Please contact the City Clerk at least 24 hours prior to the meeting for special assistance.

Posted By: Dianna McLean Date 7-29-2022
Dianna McLean, City Clerk



City Council Meeting August 2, 2022 Transmittal Letter

STRATEGIC PILLAR

- ☒ Streets/Infrastructure
- ☐ Quality of Life
- ☐ Economic Vitality

Agenda Item #: 1
Agenda Title: Water/Sewer Needs

Council Action to be taken: Receive Presentation

Department Submitted: Public Works/Development Services

Staff Contact: Tom Yantis, Assistant City Manager, Director of
Development Services
Jim Gray, Public Works Director
Jacob Walker, HDR, City Engineer

1. PURPOSE/DESCRIPTION

The purpose of this item is to provide an opportunity to discuss existing and future needs for the City's water and sewer systems.

2. STAFF ANALYSIS / BACKGROUND / PRIOR COUNCIL ACTIONS

The City of Taylor adopted the Envision Taylor Comprehensive Plan on November 18, 2021. The Comprehensive Plan was amended on May 12, 2022 to update the plan in response to the Samsung development. The City, through HDR, has amended draft water and sewer master plans to align with the updated Comprehensive Plan.

In addition to working toward final completion of the water and sewer master plans, the City has been studying the long-range needs for water and sewer into the future.

This Council meeting is intended to open dialogue between staff and Council regarding the long term usage and needs of the City for water and sewer, discuss existing and future conditions of the water and sewer system, and discuss future water supply and associated risk/redundancy measures.

City staff and the engineering team is having a CIP workshop to discuss existing and proposed projects identified in the master plans the morning of August 2nd. The presentation is in draft form and may have slight modifications as City staff continue to review and update.

3. PROS and CONS

<u>PROS</u>	<u>CONS</u>
• Allows for Council input into long-term strategies for water and sewer needs City-wide • Allows for edits and updates to master plans	

4. RECOMMENDATION

Staff recommends accepting the presentation

5. FUNDING SOURCE

n/a

6. TIMELINE

n/a

7. OTHER OPTIONS (In order of preference)

n/a

8. ATTACHMENTS

1a. Presentation

Water & Sewer Council Discussion – 8/2/2022

- Overview of Comprehensive Plan (Tom)
 - Growth Sector
 - Future Land Use
- Overview of Water & Sewer Usage/Needs (Jacob)
 - Current Usage
 - Future Usage
- Overview Of Water System (Jacob/Heather)
 - Existing Water System
 - Existing Capacity Issues Within System
 - Future Growth of System
- Overview of Sewer System (Jacob/Heather)
 - Existing Sewer System
 - Existing Capacity Issues Within System
 - Future Growth of System
 - Wastewater Treatment Plant
- Future Water Supply & Risk (Kelly)
- Next Steps (Brian)



Overview of Comprehensive Plan

Growth Sectors Map

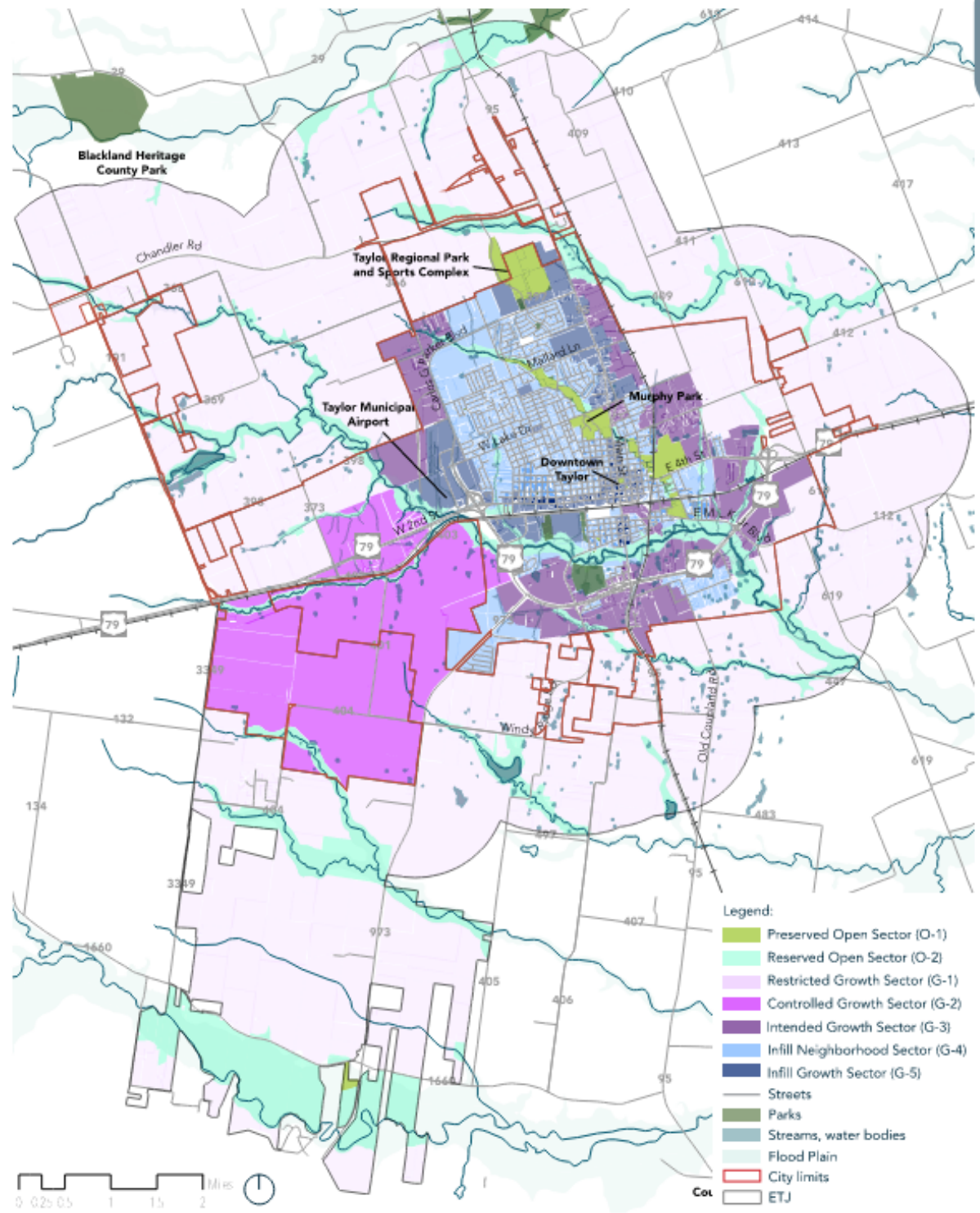


Figure 42: Growth Sectors

Source: City of Taylor, Williamson County

Overview of Comprehensive Plan

Future Land Use Map

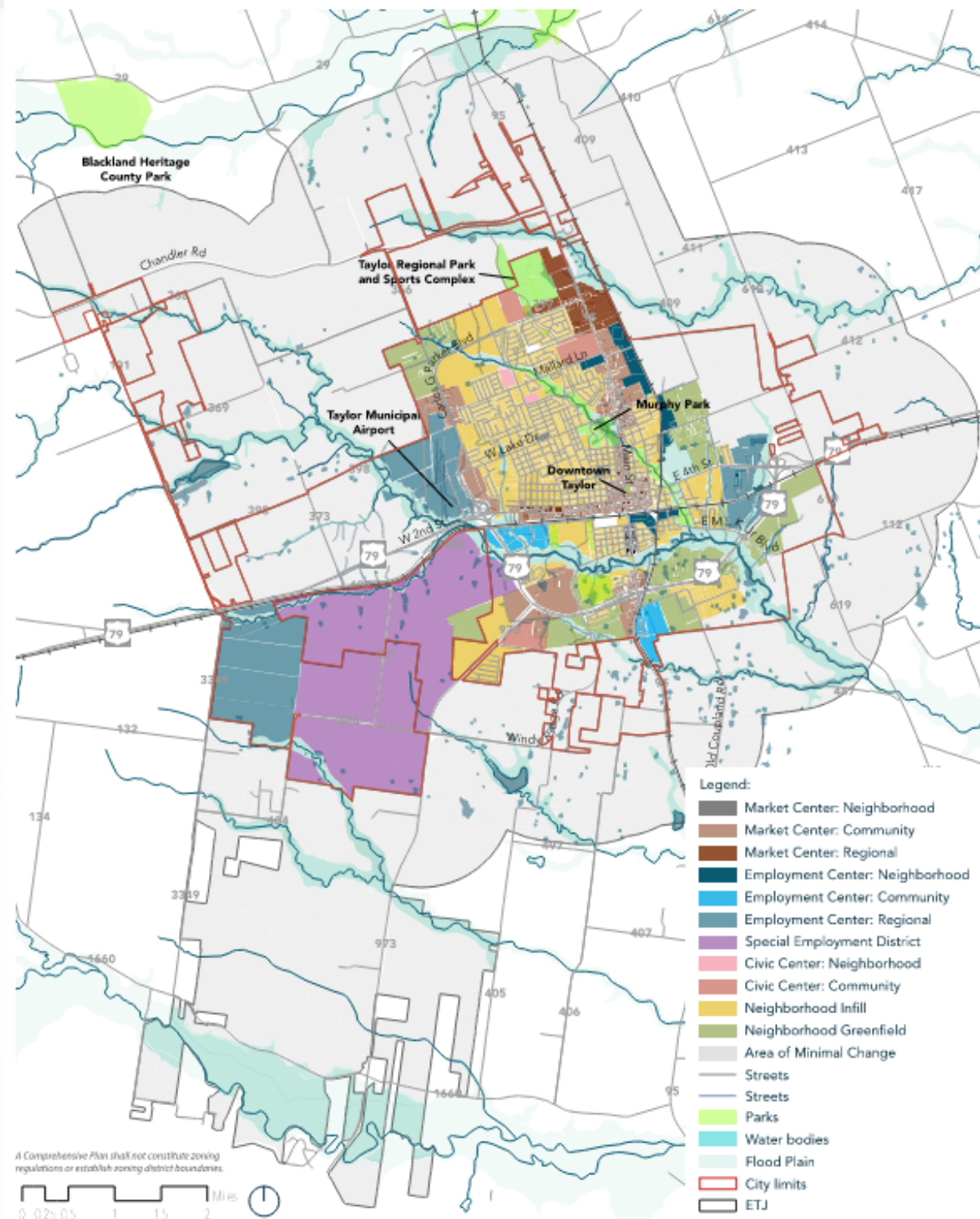


Figure 66: Future Land Use

Source: City of Taylor, Williamson County

Overview of Water & Sewer Usage/Needs

	2020 Census	2040 Comp Plan	Notes
City Population	16,267	39,552	
Water Purchased from BRA (MGD)	2.22		
Water sold to Hutto, Thrall, Noack (MGD)	0.28		
Taylor Average Water Demand (MGD)	1.94	4.75	2040 population x 120 gallons/person/day
Samsung Long-Term Average Demand (MGD)		0.87	
Total Average Water Demand (MGD)		5.62	Assuming no additional large users
Taylor Average Water Demand Per Person (gal/day)	120	120	
Taylor Maximum Day Demand (MGD)	5	12	2.5 times average demand

Actual Water Sold to Taylor Customers (MGD)	1.47
City of Taylor Water Loss (MGD)	0.47
Water Loss	24%

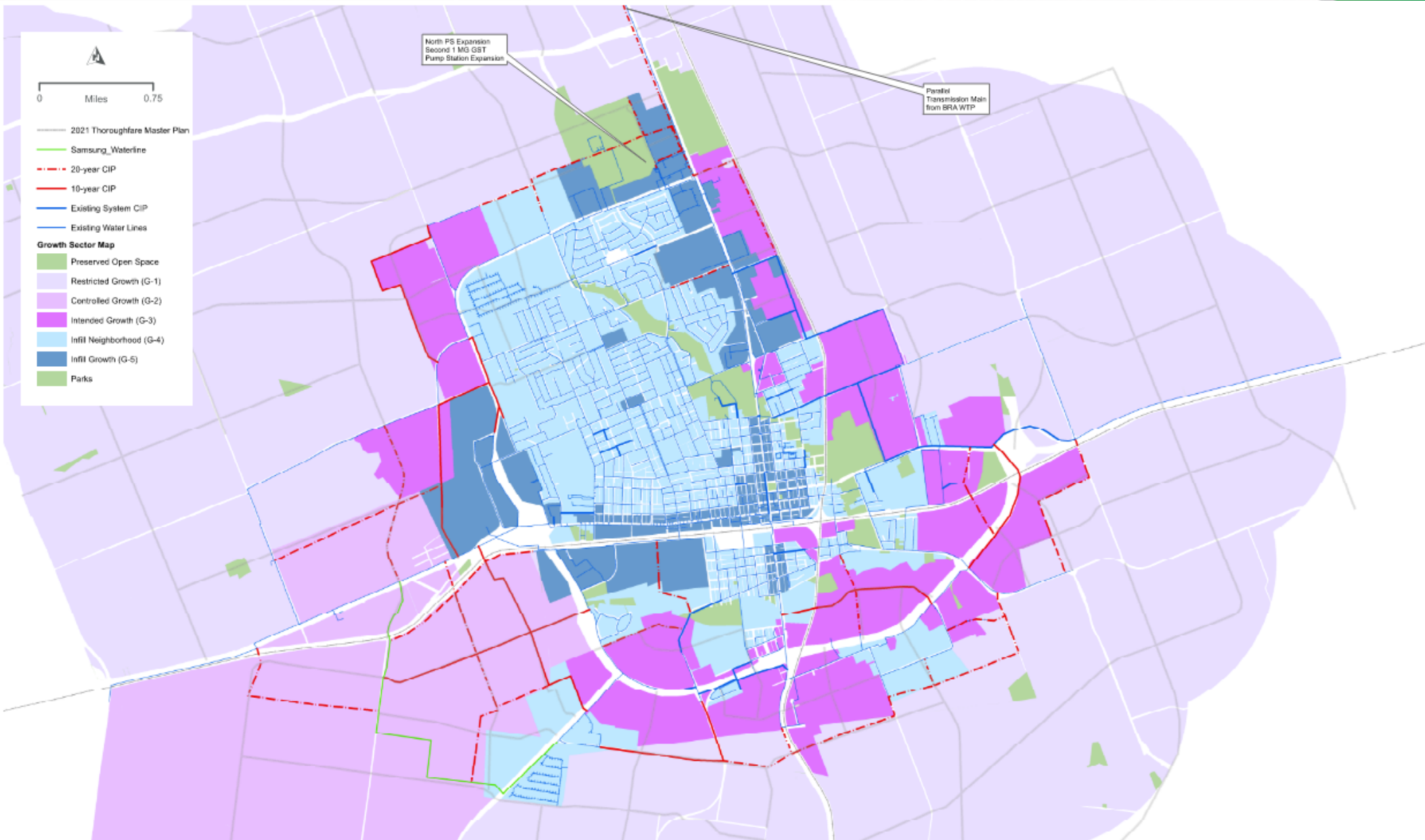
	2020 Census	2040 Comp Plan	
City Population	16,267	39,552	
Taylor Sanitary Sewer Average Flows (MGD)	1.2	2.8	60% of water demand
Samsung Long-Term Average Wastewater Flow (MGD)		0.37	
Total Average Wastewater Flow (MGD)		3.2	At 75%, begin WWTP expansion planning
Wastewater Treatment Plant Capacity (MGD)	4.0	4.0	



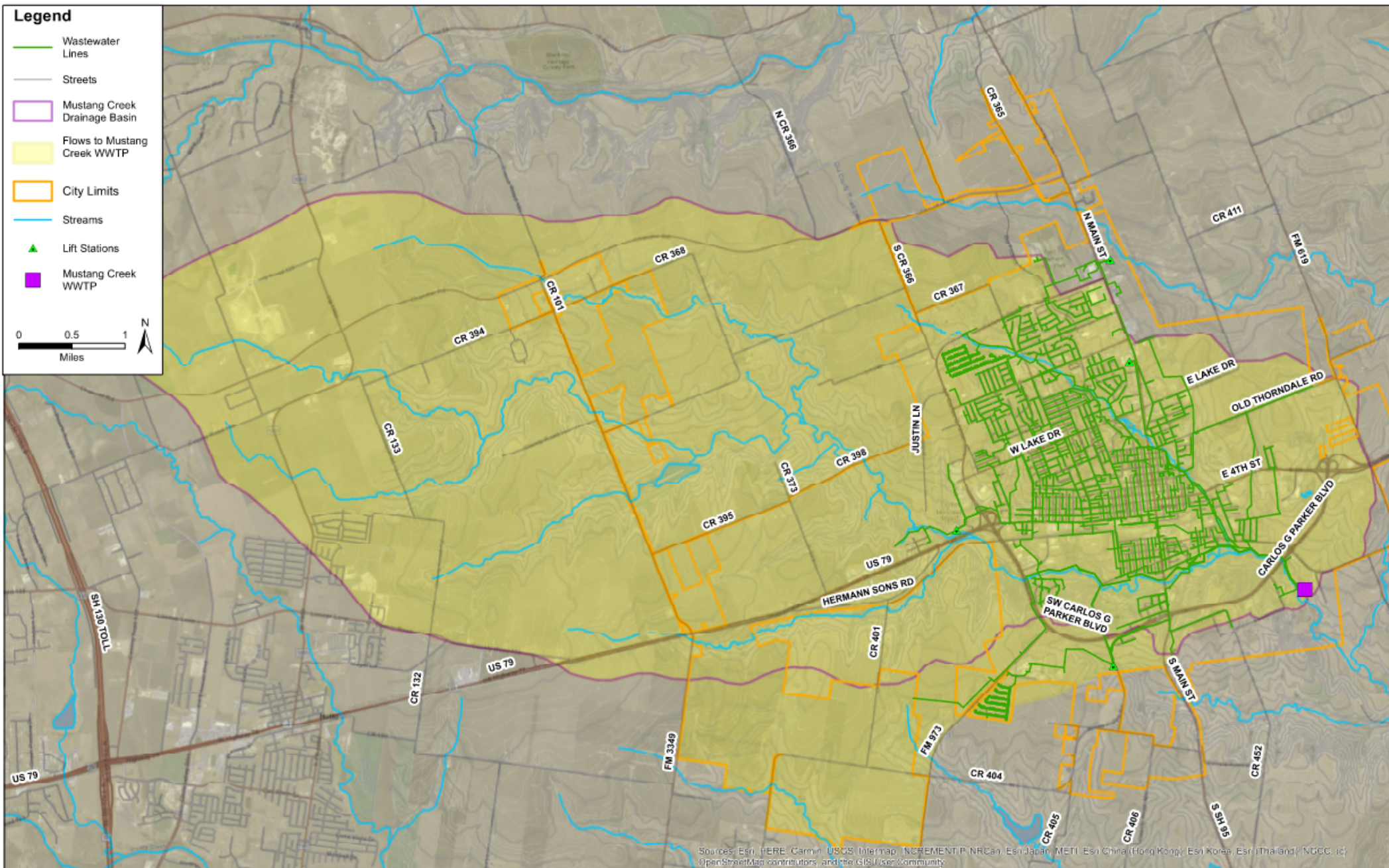
Overview of Water System



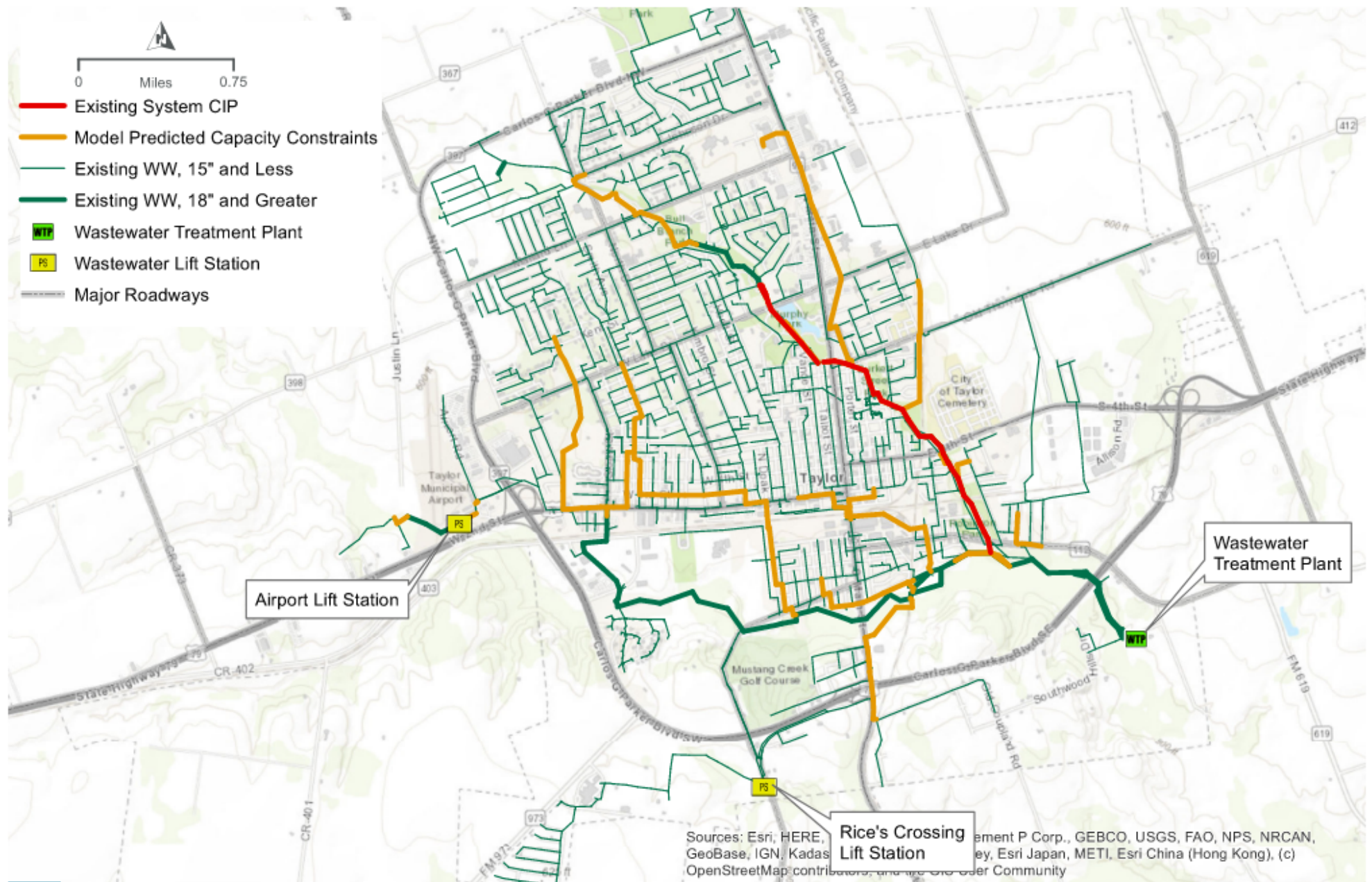
Overview of Water System - Future



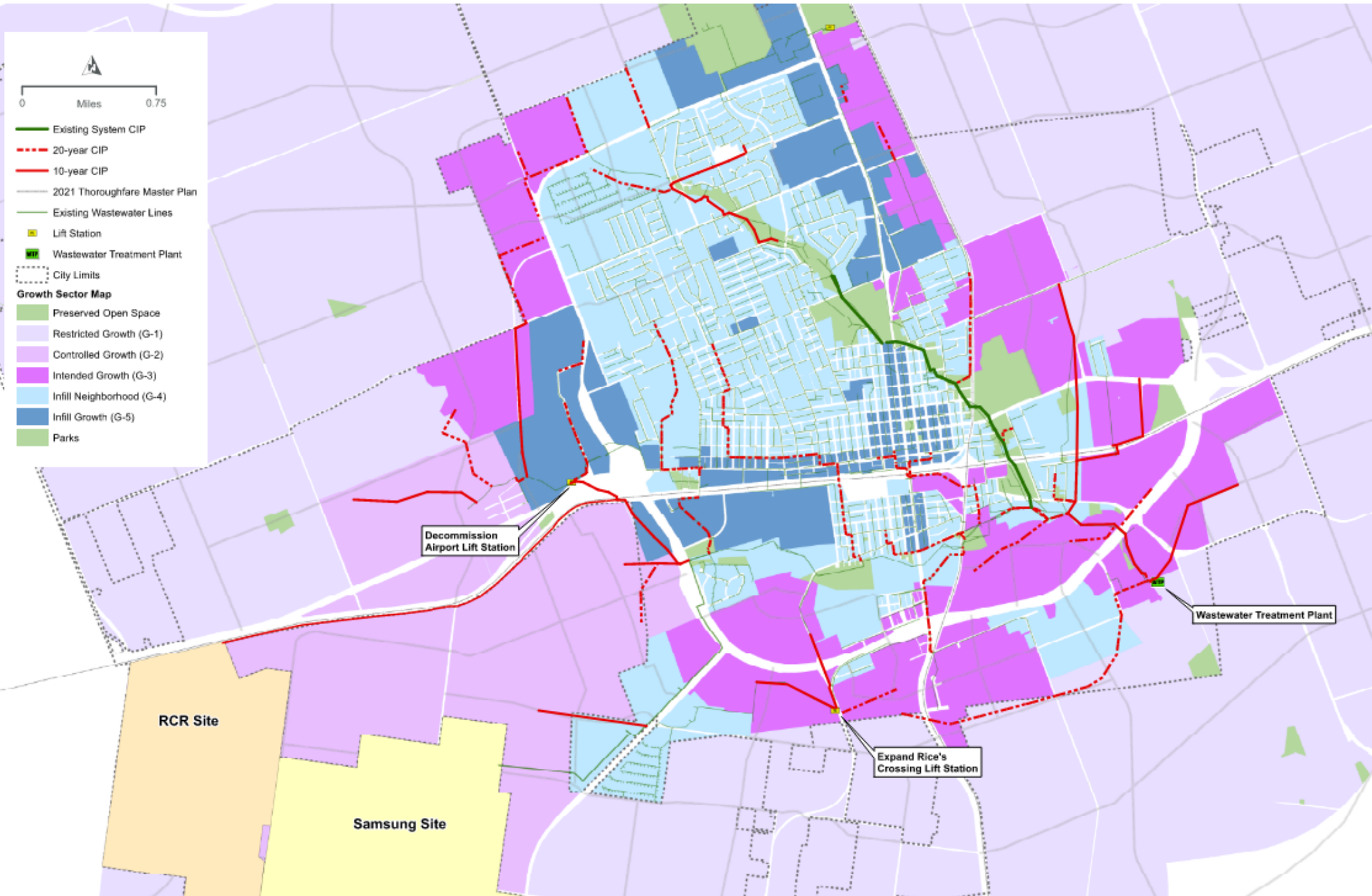
Overview of Sewer System



Overview of Sewer System - Existing



Overview of Sewer System - Future



Overview of Sewer System



(1 of 2)

Parcels

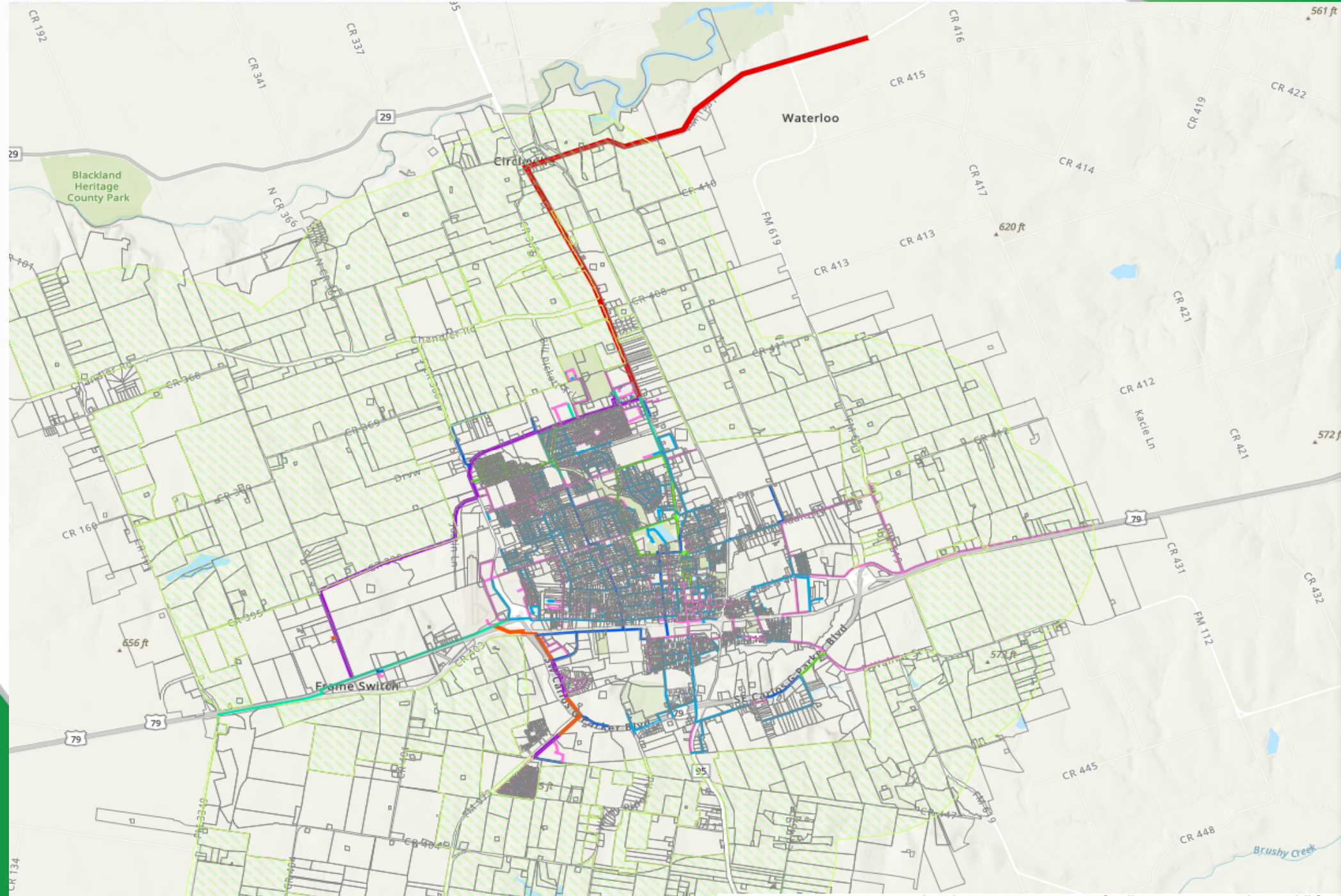
R#	R382998
Acres	22.355
Address	FM 112, TAYLOR, TX 76574
Property Owner	CITY OF TAYLOR

[Zoom to](#)

Overview of Sewer System



Future Water Supply & Risk



Questions

