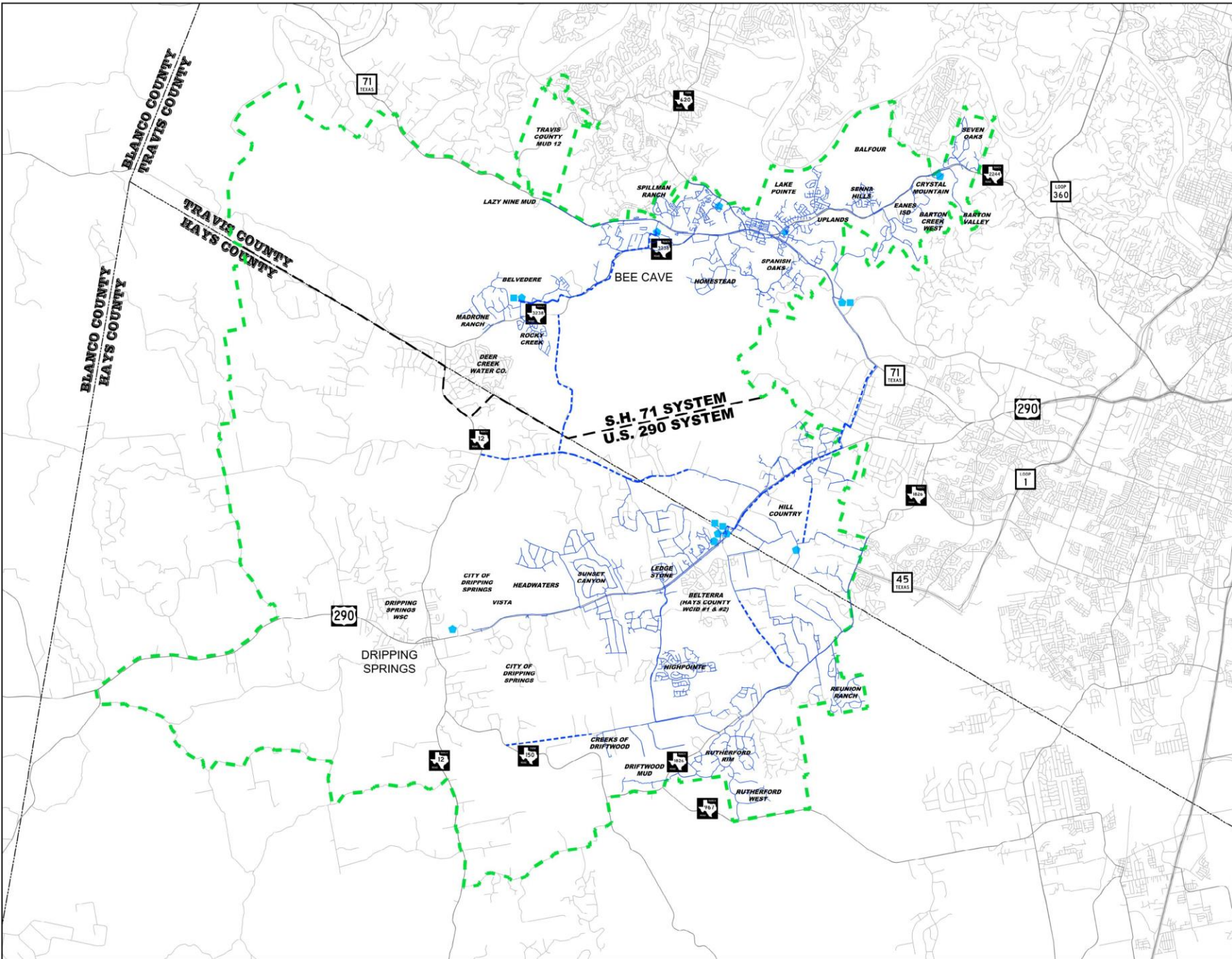


WTCPUA Capital Improvements Plan (CIP) Overview

Murfee Engineering Company, Inc.

WATERLINES EXHIBIT

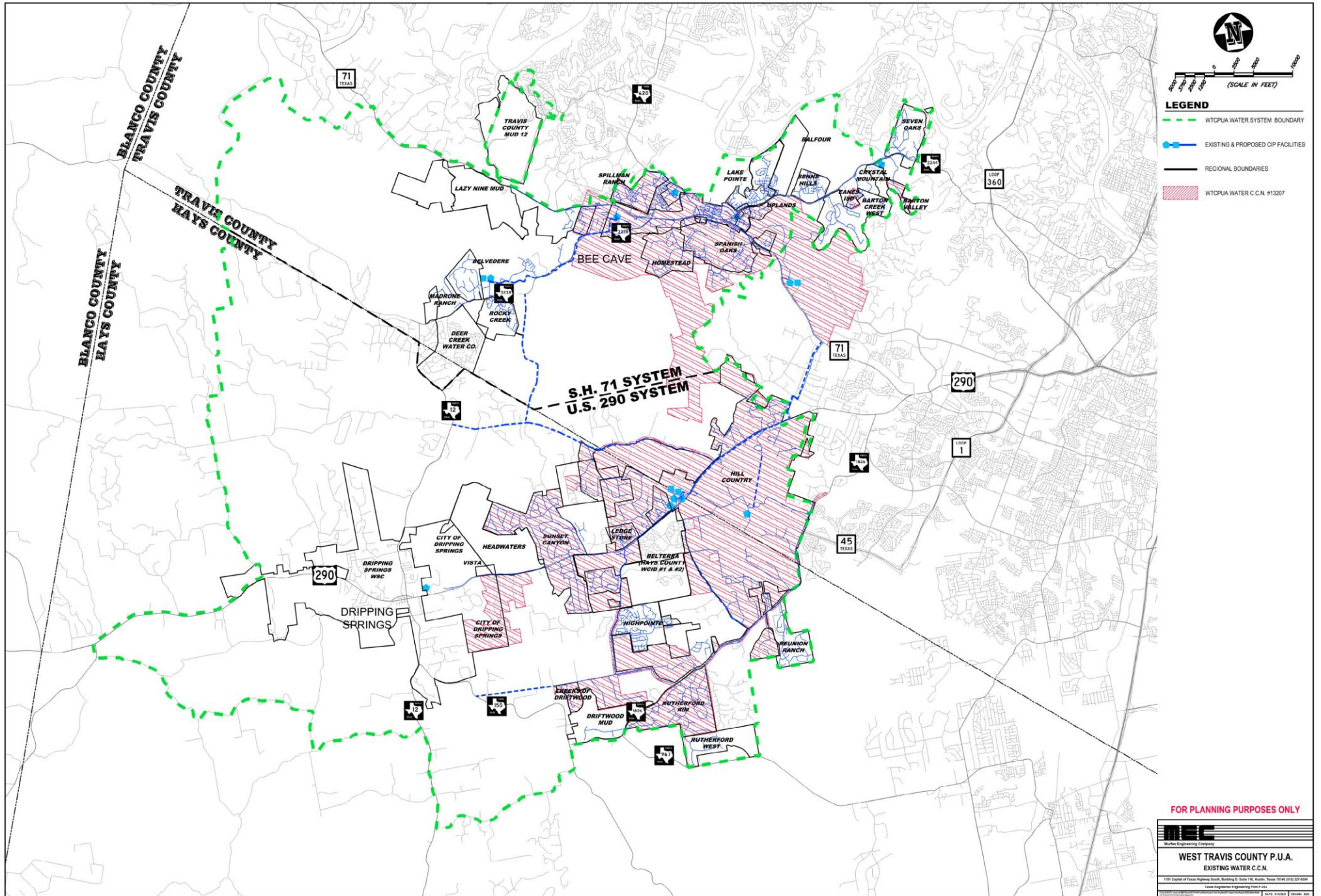


LEGEND
 - - - - - WTCPUA WATER SYSTEM BOUNDARY
 ——— EXISTING & PROPOSED CIP FACILITIES

FOR PLANNING PURPOSES ONLY

WEST TRAVIS COUNTY P.U.A.
WATERLINES EXHIBIT
© 2010 Capital of Texas Highway Board, Building C, Suite 110, Austin, Texas 78746 (512) 587-5204
 Texas Registered Engineering Firm # 01476
 Date: 1/14/10
 Author: JAC

EXISTING WATER CCN EXHIBIT



LEGEND

- WTCPUA WATER SYSTEM BOUNDARY
- EXISTING & PROPOSED CIP FACILITIES
- REGIONAL BOUNDARIES
- WTCPUA WATER C.C.N. #13207

Scale: 0 500 1000 1500 (SCALE IN FEET)

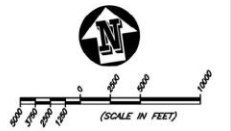
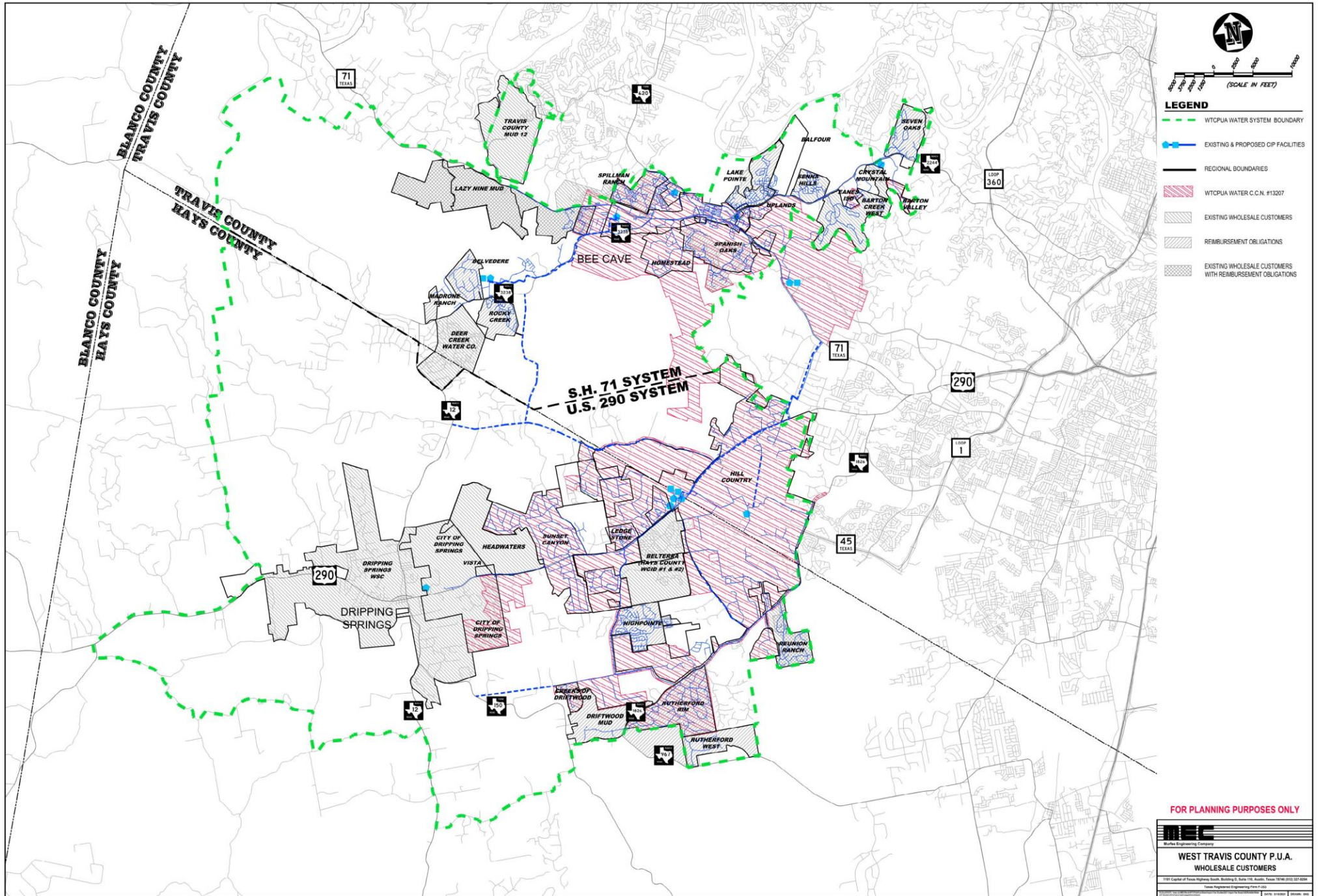
FOR PLANNING PURPOSES ONLY

MEC
Merrill Engineering Company

WEST TRAVIS COUNTY P.U.A.
EXISTING WATER C.C.N.

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Texas Registered Professional Engineer No. 10431

WHOLESALE CUSTOMERS



- LEGEND**
- WTCPUA WATER SYSTEM BOUNDARY
 - EXISTING & PROPOSED CIP FACILITIES
 - REGIONAL BOUNDARIES
 - ▨ WTCPUA WATER C.N. #13207
 - ▨ EXISTING WHOLESALE CUSTOMERS
 - ▨ REIMBURSEMENT OBLIGATIONS
 - ▨ EXISTING WHOLESALE CUSTOMERS WITH REIMBURSEMENT OBLIGATIONS

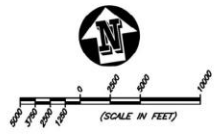
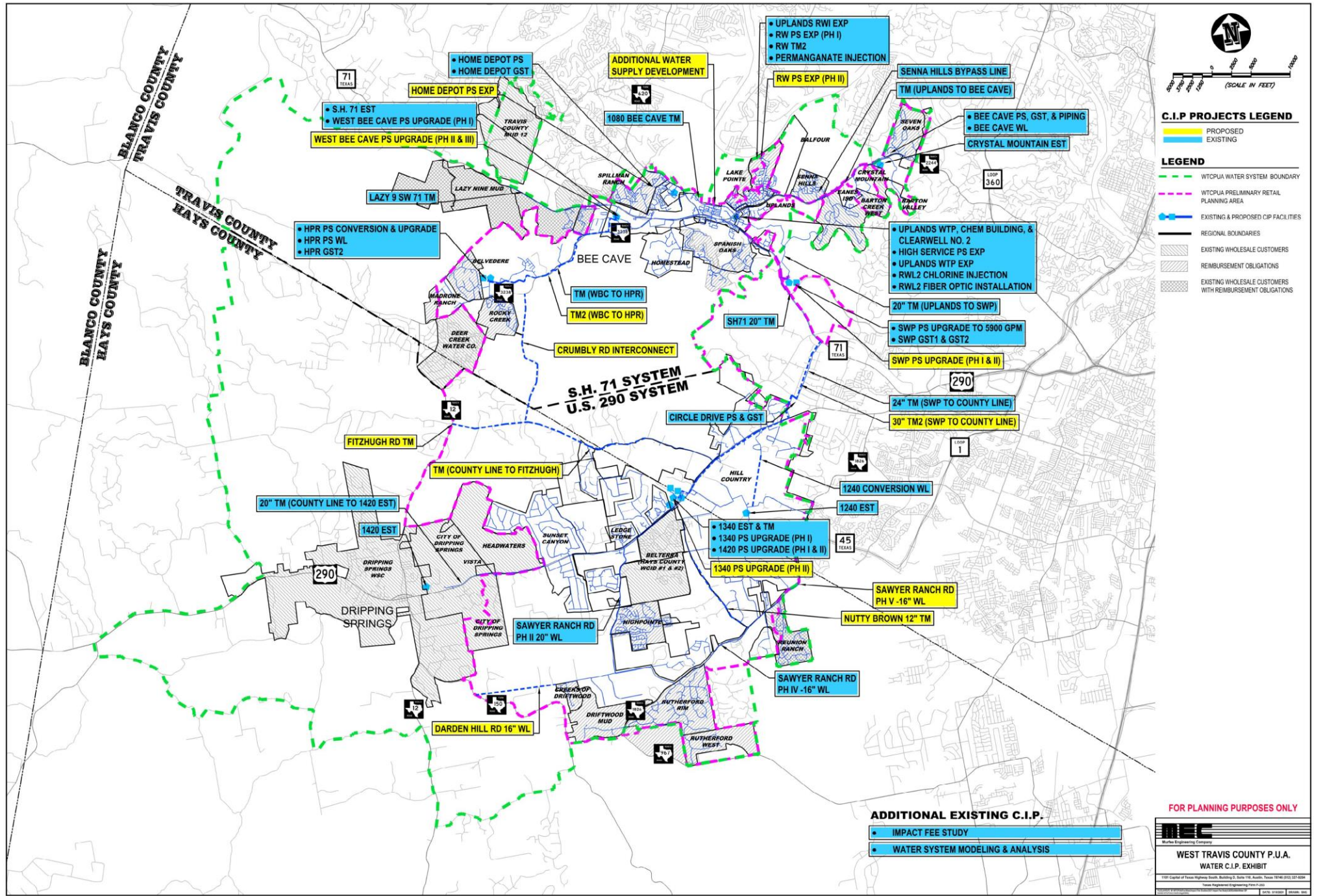
FOR PLANNING PURPOSES ONLY

MEC
 Mechanical Engineering Company

WEST TRAVIS COUNTY P.U.A.
WHOLESALE CUSTOMERS

1101 Capital of Texas Highway South, Building G, Suite 110, Austin, Texas 78746 (512) 351-8304
 www.mec-engineering.com

WATER CIP EXHIBIT



C.I.P. PROJECTS LEGEND

- PROPOSED
 - EXISTING
-
- ### LEGEND
- WTCPUA WATER SYSTEM BOUNDARY
 - WTCPUA PRELIMINARY RETAIL PLANNING AREA
 - EXISTING & PROPOSED CIP FACILITIES
 - REGIONAL BOUNDARIES
 - EXISTING WHOLESALE CUSTOMERS
 - REIMBURSEMENT OBLIGATIONS
 - EXISTING WHOLESALE CUSTOMERS WITH REIMBURSEMENT OBLIGATIONS

ADDITIONAL EXISTING C.I.P.

- IMPACT FEE STUDY
- WATER SYSTEM MODELING & ANALYSIS

FOR PLANNING PURPOSES ONLY

WEST TRAVIS COUNTY P.U.A.
WATER C.I.P. EXHIBIT

1100 Capital of Texas Highway South, Building D, Suite 110, Austin, Texas 78746 (512) 377-6300
www.westtraviscountytx.gov

WASTEWATER CIP EXHIBIT

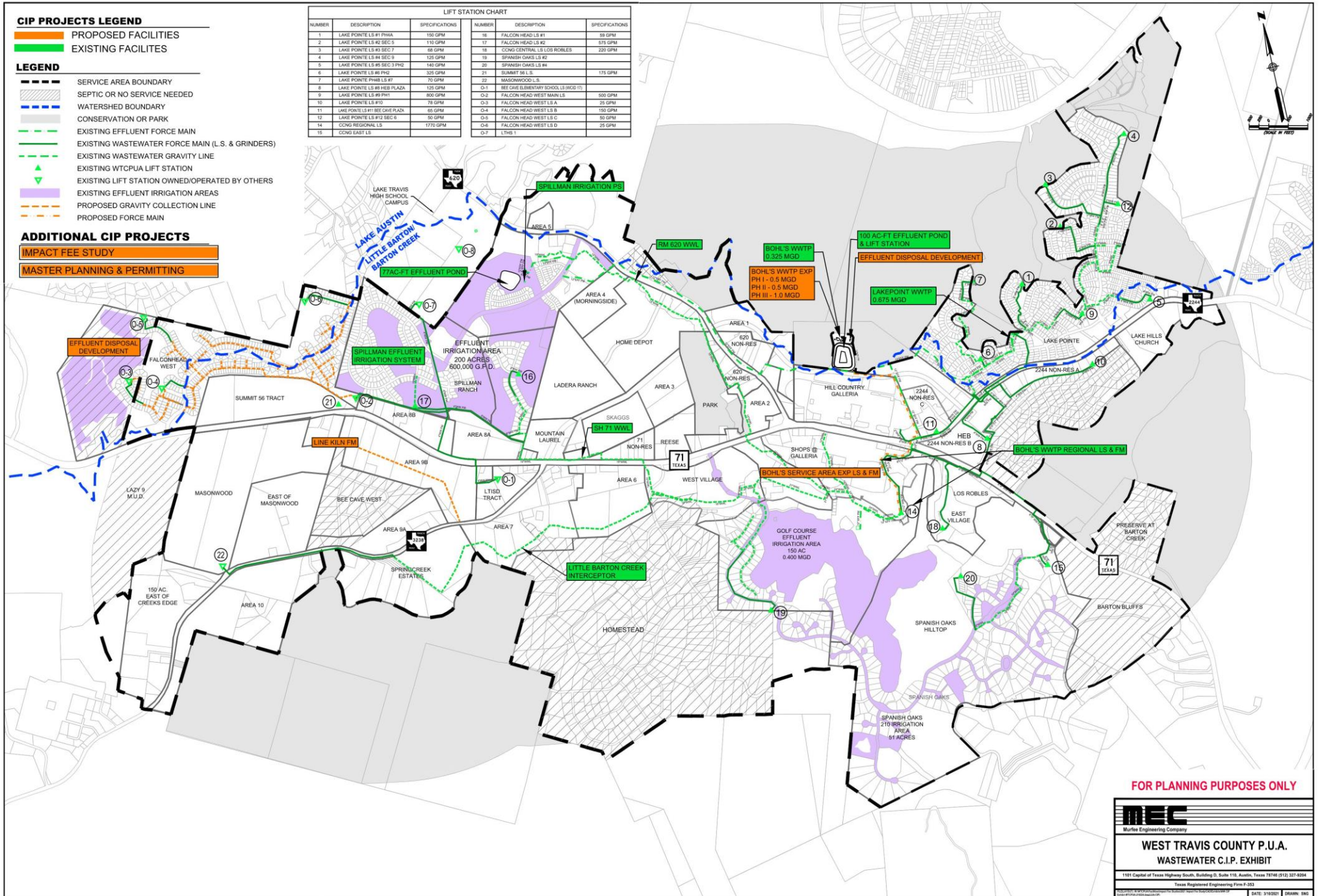
CIP PROJECTS LEGEND

- PROPOSED FACILITIES
 - EXISTING FACILITIES
- LEGEND**
- SERVICE AREA BOUNDARY
 - SEPTIC OR NO SERVICE NEEDED
 - WATERSHED BOUNDARY
 - CONSERVATION OR PARK
 - EXISTING EFFLUENT FORCE MAIN
 - EXISTING WASTEWATER GRAVITY LINE
 - EXISTING WTP/UA LIFT STATION
 - EXISTING LIFT STATION OWNED/OPERATED BY OTHERS
 - EXISTING EFFLUENT IRRIGATION AREAS
 - PROPOSED GRAVITY COLLECTION LINE
 - PROPOSED FORCE MAIN

ADDITIONAL CIP PROJECTS

- IMPACT FEE STUDY
- MASTER PLANNING & PERMITTING

LIFT STATION CHART					
NUMBER	DESCRIPTION	SPECIFICATIONS	NUMBER	DESCRIPTION	SPECIFICATIONS
1	LAKE POINTE LS #1 PHA	150 GPM	16	FALCON HEAD LS #1	95 GPM
2	LAKE POINTE LS #2 SEC 1	110 GPM	17	FALCON HEAD LS #2	175 GPM
3	LAKE POINTE LS #3 SEC 7	68 GPM	18	COND CENTRAL LS LOS ROBLES	220 GPM
4	LAKE POINTE LS #4 SEC 9	125 GPM	19	SPANISH OAKS LS #2	
5	LAKE POINTE LS #5 SEC 1 PH2	140 GPM	20	SPANISH OAKS LS #4	
6	LAKE POINTE LS #6 PH2	325 GPM	21	SUMMIT 56 LS	175 GPM
7	LAKE POINTE PH4B LS #7	70 GPM	22	MASONWOOD LS	
8	LAKE POINTE LS #8 HEB PLAZA	125 GPM	0-1	REE CAVE ELEMENTARY SCHOOLS (WCD 17)	
9	LAKE POINTE LS #9 PH1	300 GPM	0-2	FALCON HEAD WEST MAIN LS	500 GPM
10	LAKE POINTE LS #10	78 GPM	0-3	FALCON HEAD WEST LS A	25 GPM
11	LAKE POINTE LS #11 BEE CAVE PLAZA	65 GPM	0-4	FALCON HEAD WEST LS B	150 GPM
12	LAKE POINTE LS #12 SEC 6	90 GPM	0-5	FALCON HEAD WEST LS C	90 GPM
14	COND REGIONAL LS	1770 GPM	0-6	FALCON HEAD WEST LS D	25 GPM
15	COND EAST LS		0-7	LTHB 1	



FOR PLANNING PURPOSES ONLY

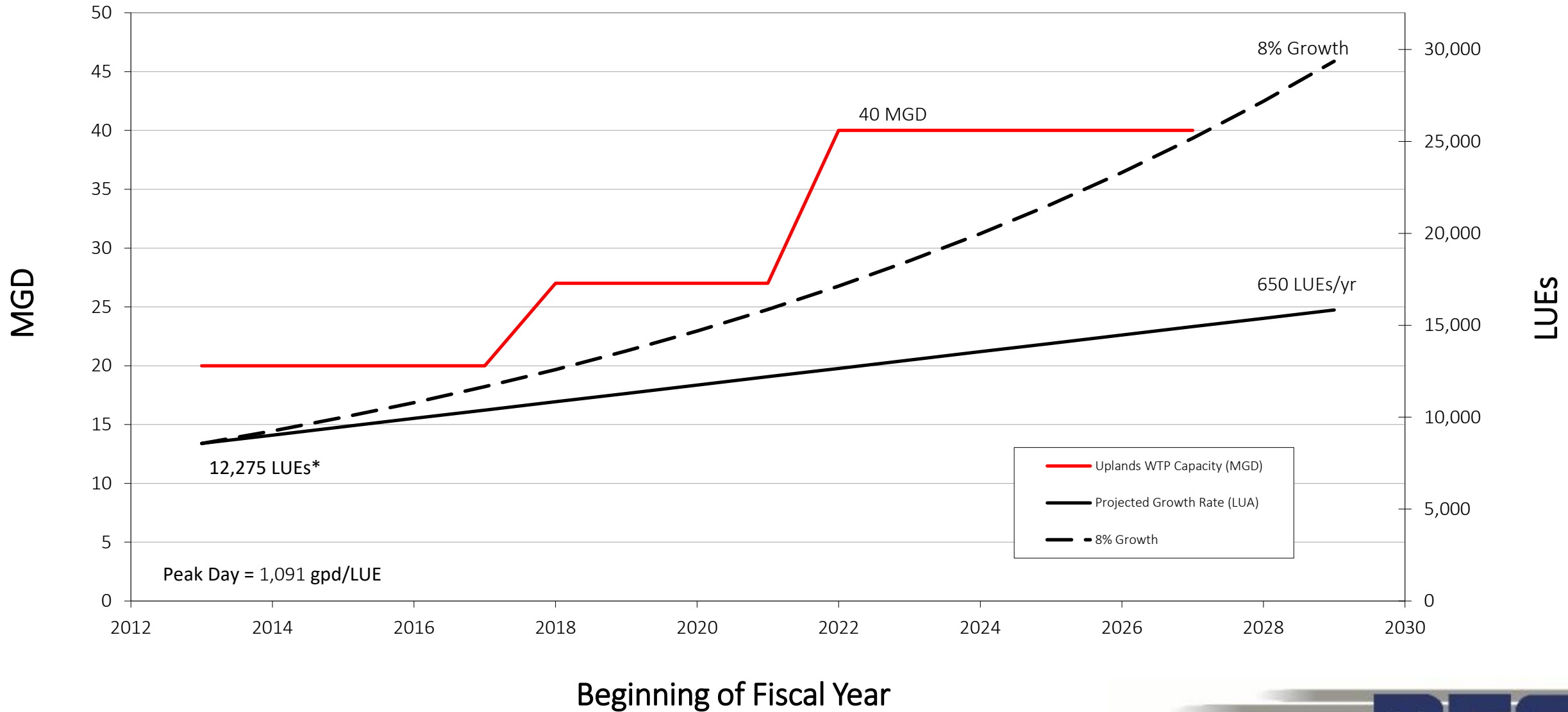
MEC
Murfee Engineering Company

WEST TRAVIS COUNTY P.U.A.
WASTEWATER C.I.P. EXHIBIT

1151 Capital of Texas Highway South, Building D, Suite 110, Austin, Texas 78746 (512) 337-9204
Texas Registered Engineering Firm F-353

DATE: 5/18/2017 DRAWN: BAO

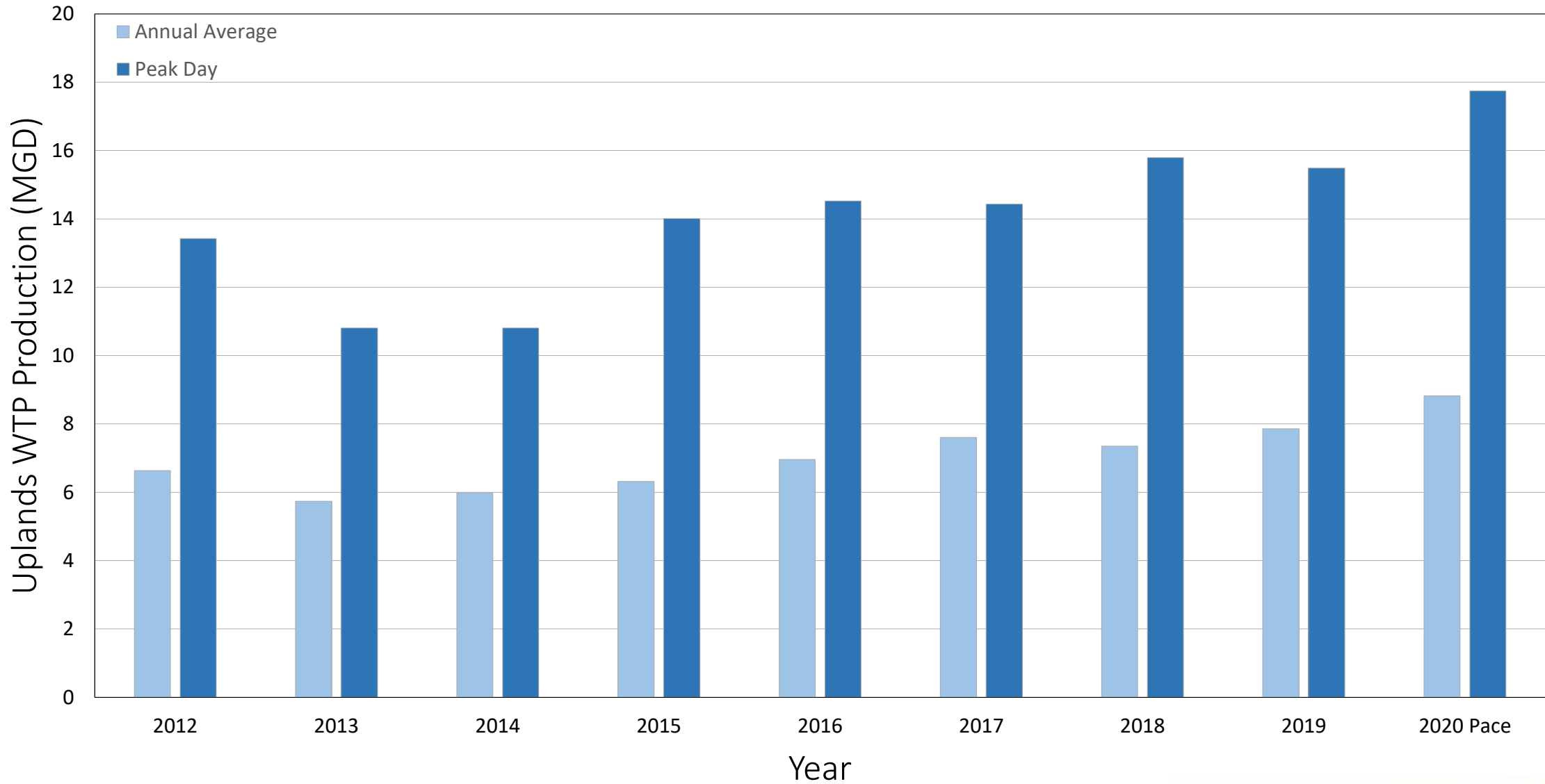
WTCPUA-Water Capacity and Demand Projections Peak Day



* - Revised based on meter equivalents

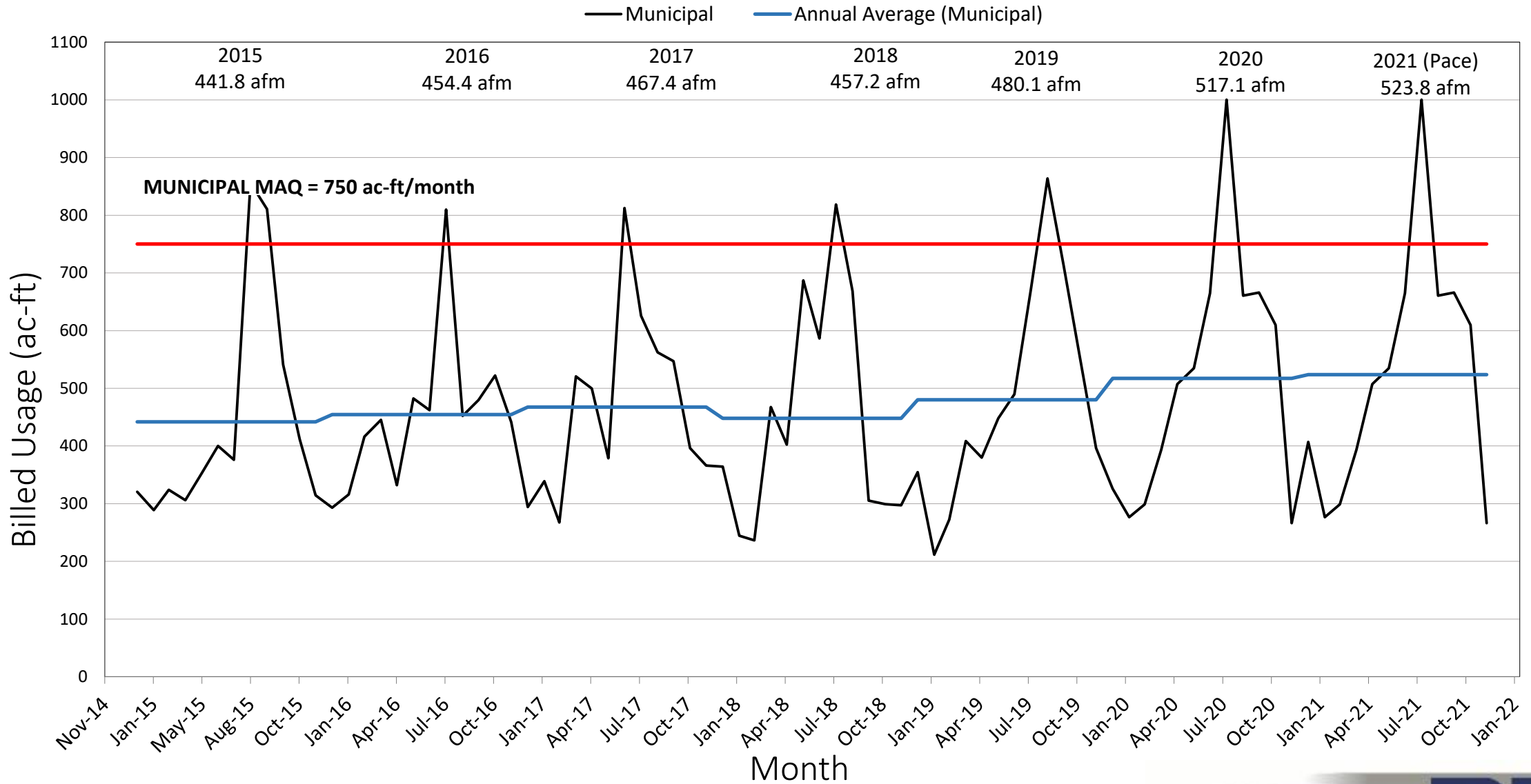


WTCPUA Uplands Water Treatment Plant Annual Production

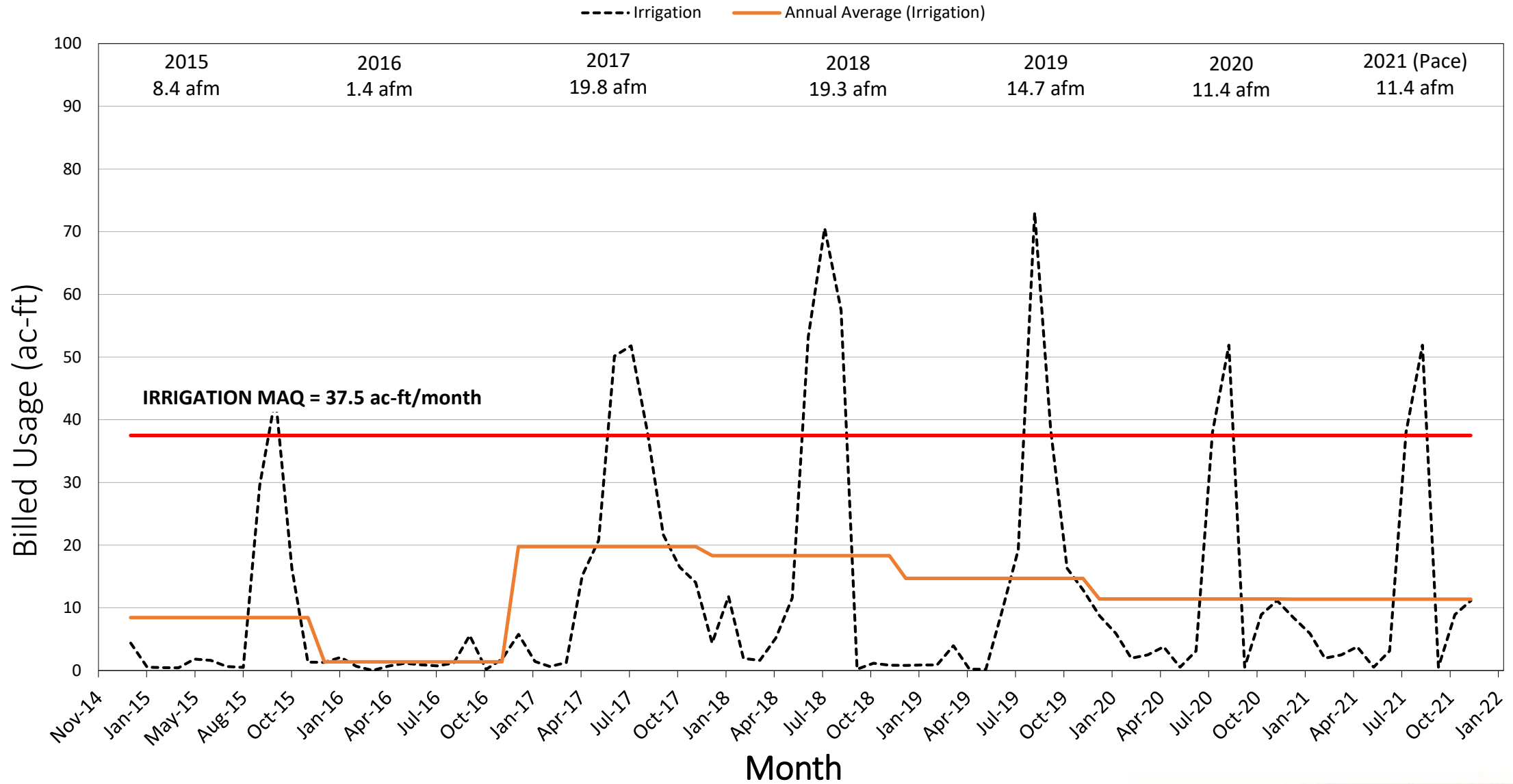


* - 12-Month period March '12 - Feb '13

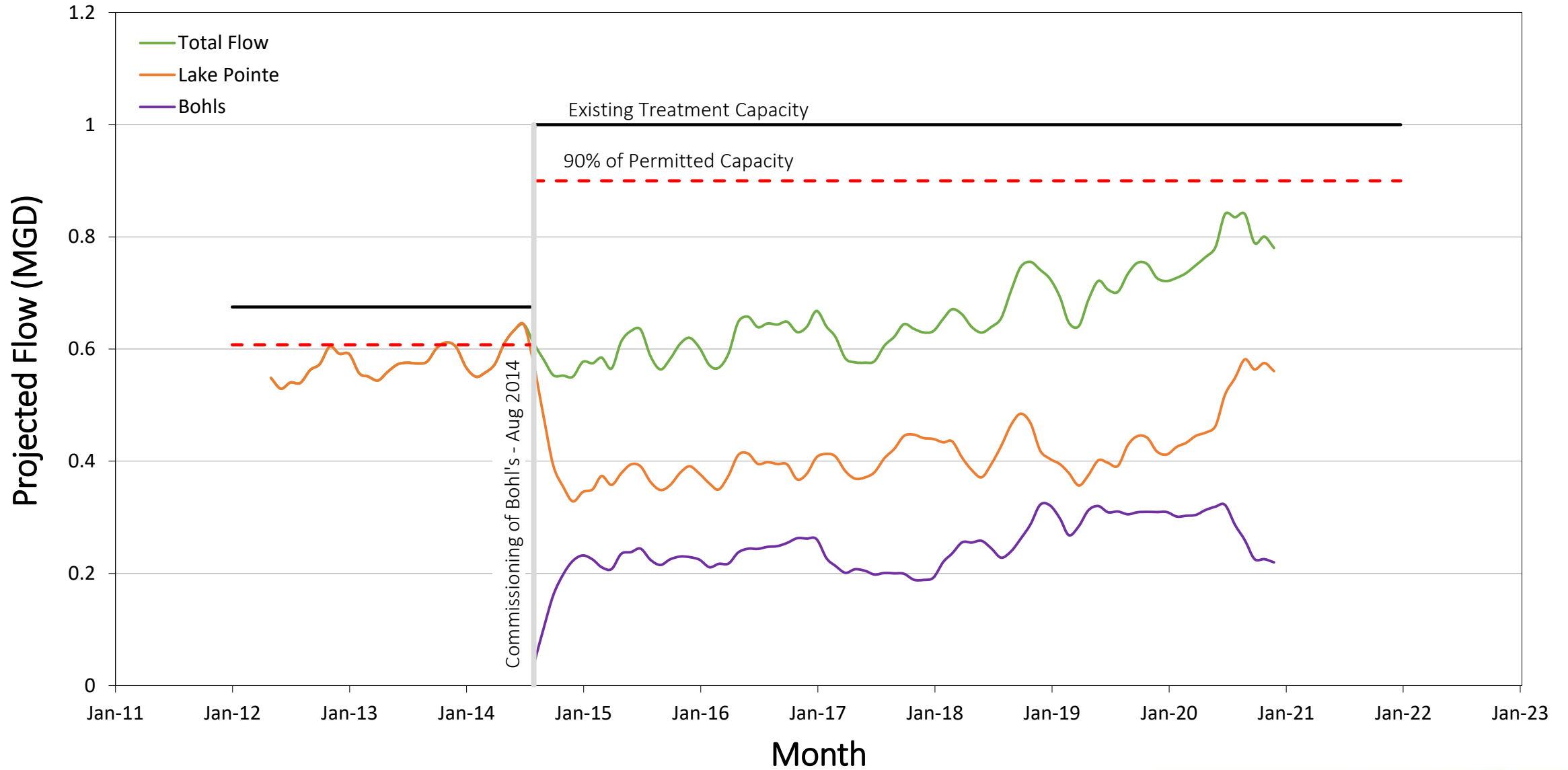
WTCPUA Municipal Raw Water Usage



WTCPUA Irrigation Raw Water Usage



WTCPUA Wastewater 3-Month Average Daily Flow



WTCPUA CIP PROJECTS STATUS

DRAFT

WATER

System-Wide

Project	Year Scheduled	Status
Impact Fee Study	2021	Underway
Uplands WTP Expansion	2022	Preliminary engineering ongoing
Additional Water Supply Development	2020	ASR study completed
System Hydraulic Modeling	2019	Underway
Raw Water PS Expansion (Phase I)	2018	Complete
Raw Water PS Expansion (Phase II)	2025	No action to date
Raw Water TM No. 2	2018	Complete

SH71 System

Project	Year Scheduled	Status
HPR-PS Expansion & GST2	2020	PS Complete, GST Design nearing completion
West Bee Cave PS Upgrade (Phase II & III)	2019	Phase II complete, Phase III design ongoing
SH71 System Modelling & analysis	2015	Ongoing
Home Depot PS Expansion	2019	Project placed on hold 2019
1080 Bee Cave TM	2019	Water line easements in process. Design underway
West Bee Cave to HPR TM No. 2	2021	Underway
Crumberly Rd Interconnect	TBD	No action date

US290 System

Project	Year Scheduled	Status
SWP PS Upgrade (Phase I)	2019	Under construction
SWP PS Upgrade (Phase II)	2023	Preliminary work underway
SWP GST No.1 & No. 2	2017	Under construction
Circle Drive PS & GST	2022	No action to date
1240 Conversion WL & GST	2020	GST Design nearing completion
1340 EST, PS Upgrade (Phase I & Phase II), WL	2018	EST and WL completed. PS Phase I design nearing
1420 PS Upgrade	2022	Phase I design nearing completion
RM1826 Phase V 16"	2028	No action to date
Heritage Oaks Loop Line	2027	No action to date
Fitzhugh Road TM	TBD	No action to date
Darden Hill 16" WL	TBD	No action to date
Nutty Brown 12" TM	TBD	No action to date
County Line to Fitzhugh Rd TM	TBD	No action to date
SWP to County Line 30" TM2	TBD	No action to date

1 - Includes engineering, construction and construction administration costs. Not included are administrative costs, legal expenses, etc.

2 - Revised costs for the SH71 EST reflect the WTCPUA portion of the *pro rata* participation with Lazy Nine MUD No. 1A



WTCPUA CIP PROJECTS STATUS

DRAFT

WASTEWATER

System-Wide

Project	Year Scheduled	Status
Impact Fee Update	2021	In process
Master Planning & Permitting	2020	In process
Future WWTP Expansion	2019	Design underway
Effluent Disposal Development	2019	No action to date
Bohls Service Area Expansion LS & FM	2026	No action to date
Lime Kiln FM		No action to date
Juniper Trace LS Upgrade	2015	Phase I construction complete (cost estimated)
1 - Includes engineering, construction and construction administration costs.		