

# City of Kyle

## Wastewater Treatment Plant Expansion

Yvonne Gil-Vallejo – Engineering Division

February 27, 2020



# Overview of existing facilities



1. Main Manhole
2. Liftstation 1
3. Liftstation 2
4. Motor Control
5. Office
6. Primary Electrical Feed
7. Chemical Control
8. Blowers
9. Sludge Handling
10. Plant Reclaimed Water System
11. Treatment Train 1
12. Treatment Train 2
13. Main access
14. Plum Creek Golf course Effluent Station

# City of Kyle

## Existing Treatment Capacity

- Treatment Plant #1 – 1.5 MGD  
Constructed in 2000
- Treatment Plant #2 – 1.5 MGD  
Constructed in 2006



# City of Kyle

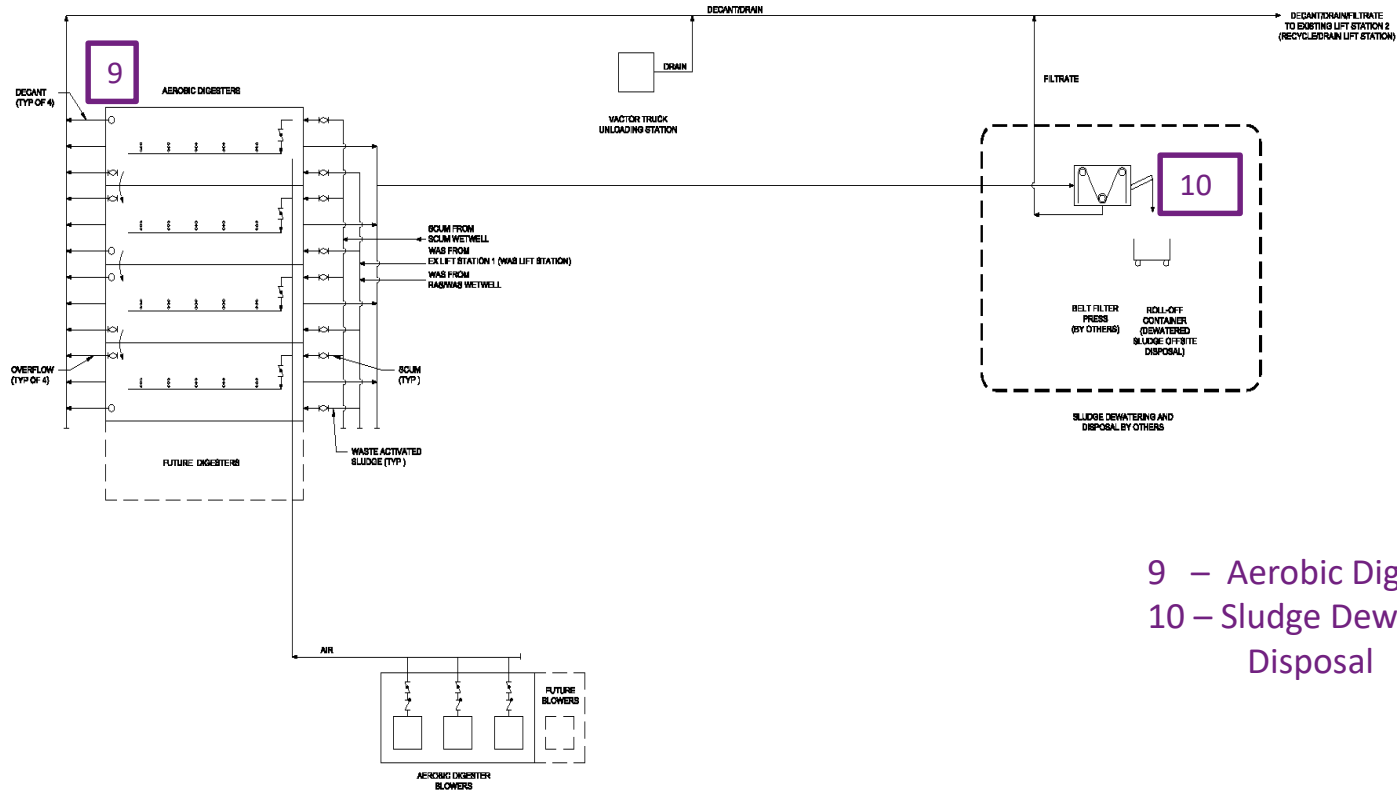
## Future Treatment Capacity

- Expanded Facility - 1.5 MGD
- Total Combined Capacity – 4.5 MGD





# Expanded Treatment Facility to be constructed



9 – Aerobic Digesters  
10 – Sludge Dewatering & Disposal

NO.	REVISIONS	DATE	BY	CHK.



**BURGESS & NIPLE**  
 4029 CAPITAL OF TEXAS HIGHWAY, SUITE 220  
 AUSTIN, TEXAS 78704  
 PHONE: (512) 306-8226  
 TYPE FIRM REGISTRATION NO. 10834

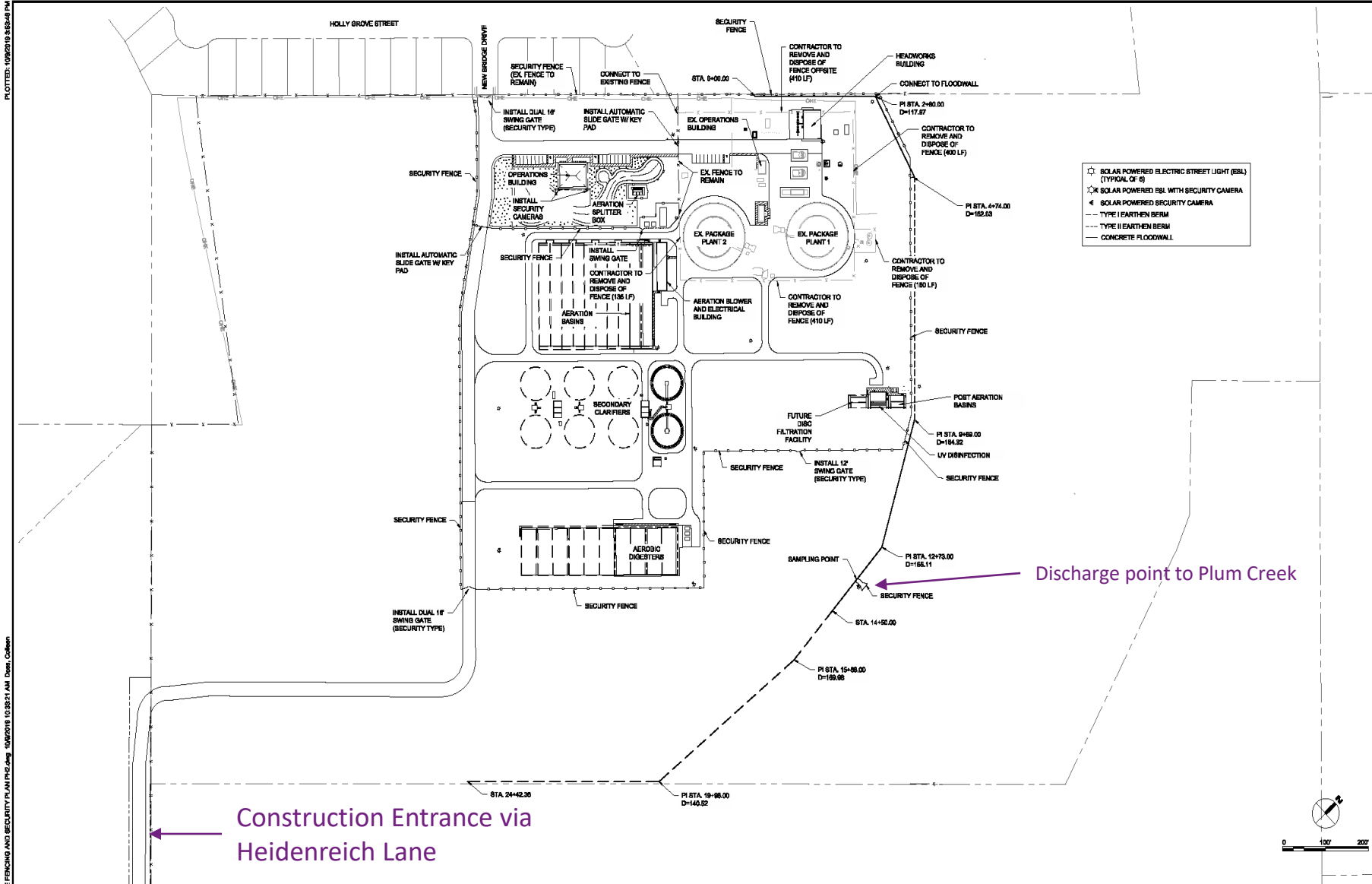


**CITY OF KYLE, TEXAS**  
 WASTEWATER TREATMENT PLANT EXPANSION

**TREATMENT SCHEMATIC DIAGRAM  
 SOLIDS TRAIN**

CHECKED BY:	DES
DRAWN BY:	CKD
DESIGNED BY:	SWIS
APPROVED BY:	SWIS
DATE:	OCTOBER 2019
SCALE:	AS NOTED
SHEET NO.:	OF
7	282

# Expanded Treatment Facility Overview



PLOTTED: 10/20/19 8:53:41 PM

P:\PROJECTS\Cadd\18113 SITE FENCING AND SECURITY PLAN P18.dwg 10/20/19 10:58:37 AM Desh. Colman

Construction Entrance via Heidenreich Lane

Discharge point to Plum Creek

NO.	REVISIONS	DATE	BY	CHK.

**BURGESS & NIPLE**  
 4029 CAPITAL OF TEXAS HIGHWAY, SUITE 220  
 AUSTIN, TEXAS 78704  
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 TYPE FIRM REGISTRATION NO. 10834



CITY OF KYLE, TEXAS  
 WASTEWATER TREATMENT PLANT EXPANSION

SITE FENCING AND SECURITY PLAN

CHECKED BY:	LAC
DRAWN BY:	BAW
DESIGNED BY:	DBK
APPROVED BY:	DBK
DATE:	OCTOBER 2019
SCALE:	AS NOTED
	PR05/789
SHEET NO.	OF
13	282

# Project Schedule

- Bid Award February 4, 2020
  - Funding approved \$30,338,070 w/5% contingency
  - Contractor: Archer Western Contractors, LLC
  - Contract documents executed
  - Notice to proceed, April 13, 2020
  - 650 Days to construct





Thank you.  
Questions?

