Withlacoochee WPCP Sewer System Improvements

March 2013

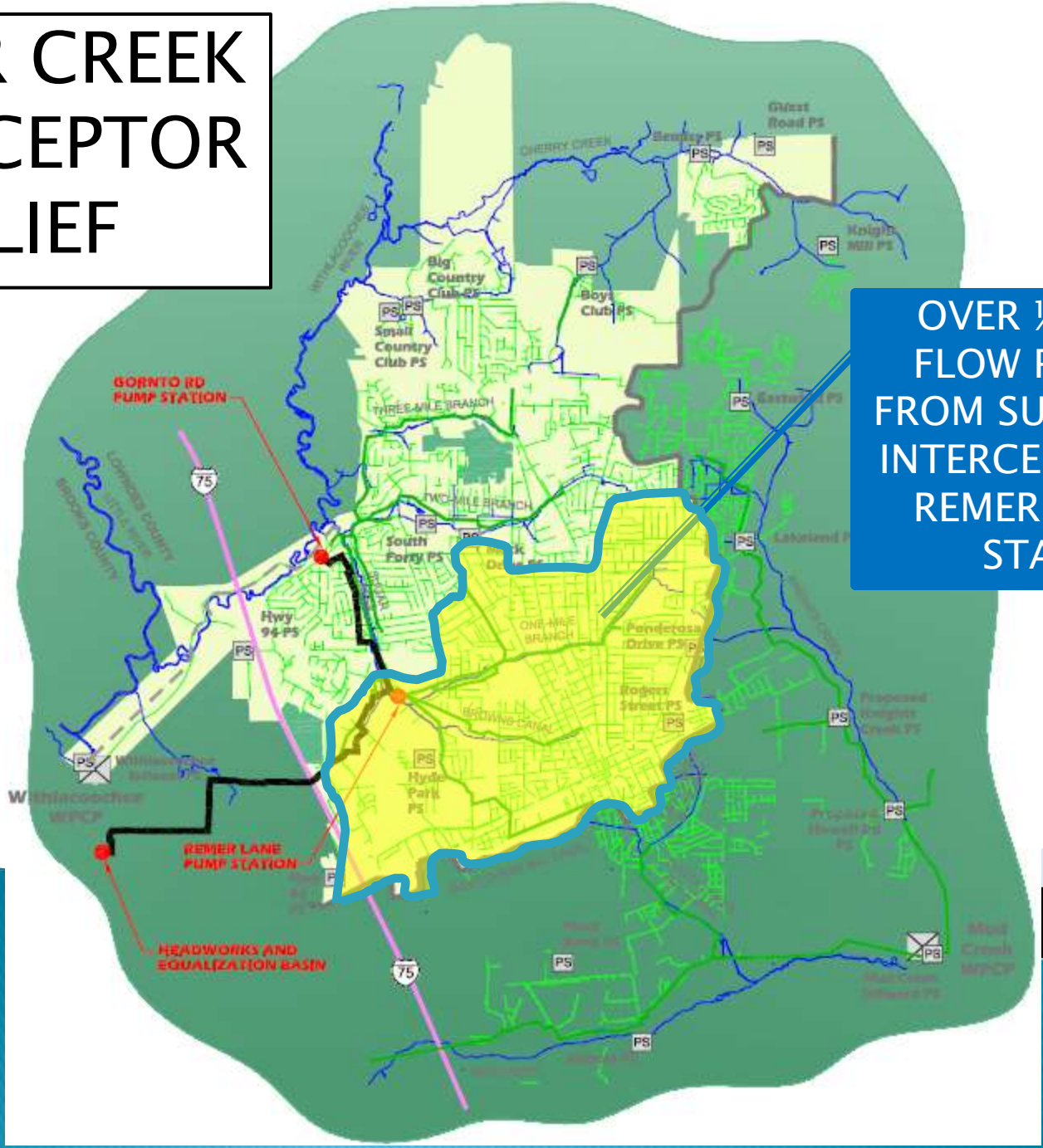
Current Status

- Current Projects – Parsons & LEA Design
  - GEFA Funding Approved – $32 Million
  - Design of Three Construction Packages
    - Pump Stations – Major at Gornto Rd. and Remer Ln. and 2 Minor
    - Forcemains – 6 miles of 30” and 42”
    - Headworks and Equalization Tank
- Planned Project
  - RFP for Design-Build (D/B) of 12 MGD Treatment Plant

Pump Stations & Forcemain

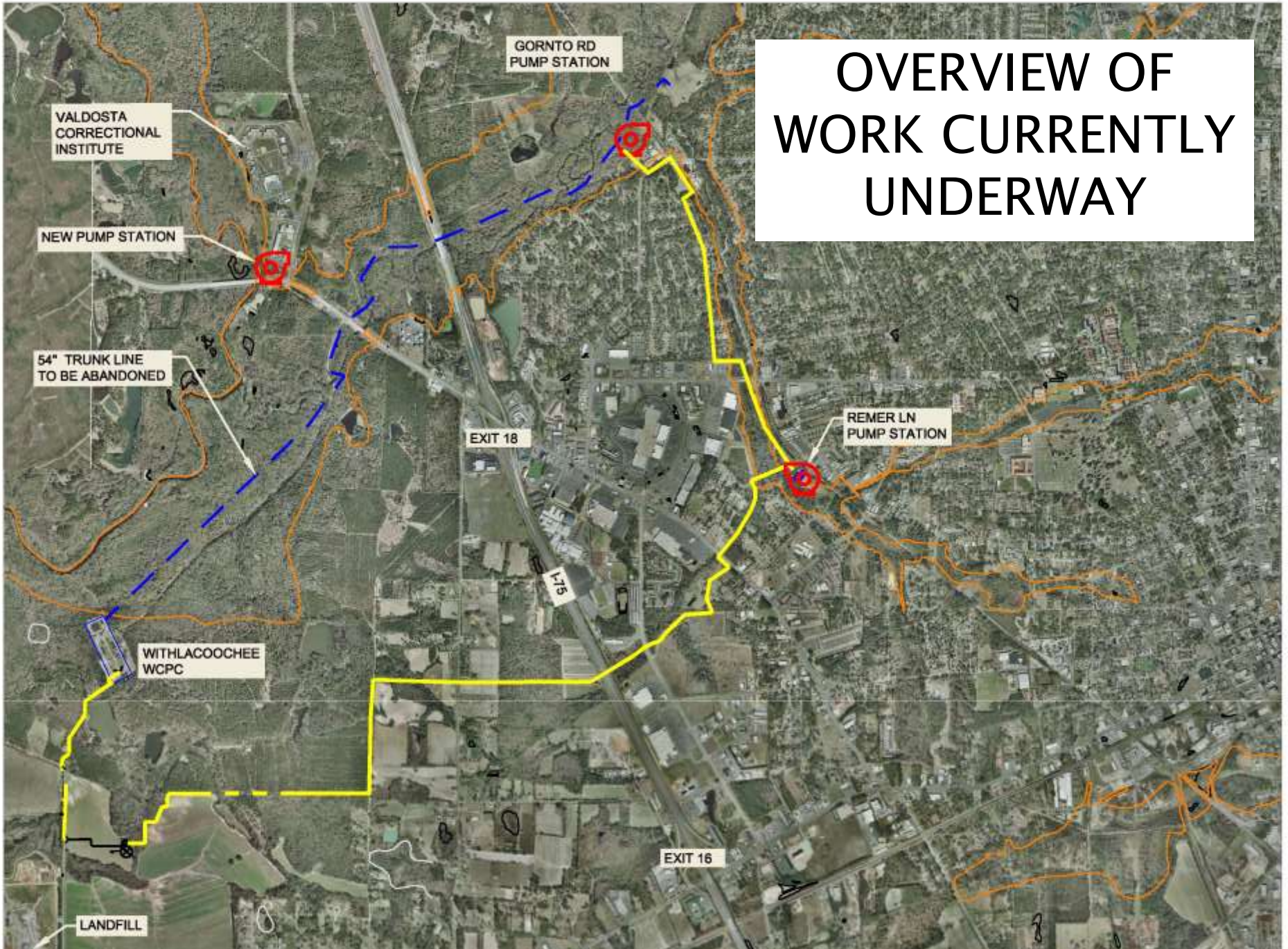
- Infrastructure Design – Year 2050
  - Peak Capacity 45 MGD
- Installed Equipment – Year 2038
  - Peak Capacity 38 MGD
  - Assumes I & I Improvements as Growth Occurs
- Redundancy & Reliability
  - Dual Power Feeds
  - Installed Spare Pump
  - Split Wet Well & Divided MCC
- Sited to Relieve Sugar Creek Interceptor
- Design Completion – June 2013

SUGAR CREEK INTERCEPTOR RELIEF

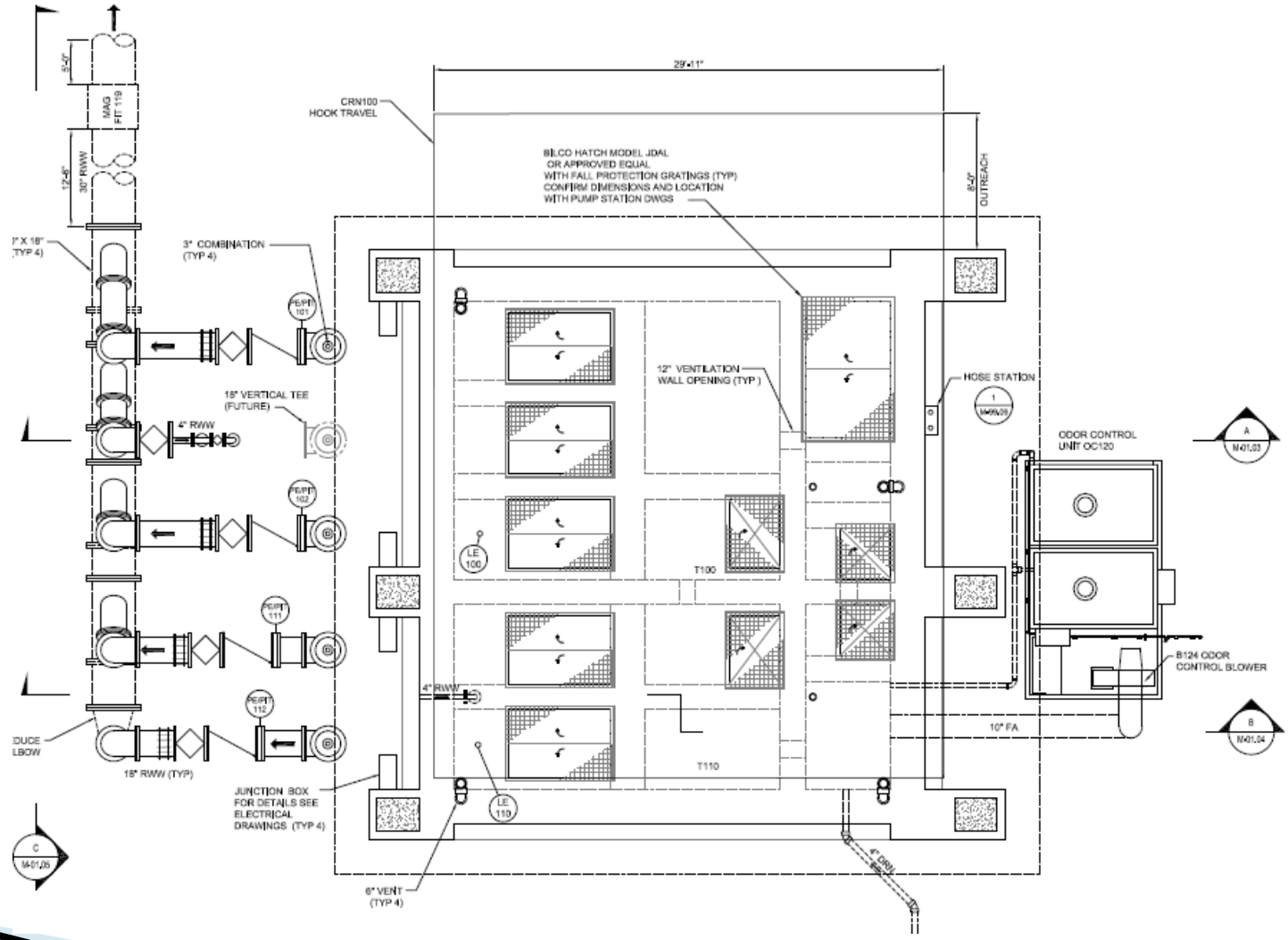


OVER ½ OF THE FLOW REMOVED FROM SUGAR CREEK INTERCEPTOR WITH REMER LN PUMP STATION

OVERVIEW OF WORK CURRENTLY UNDERWAY

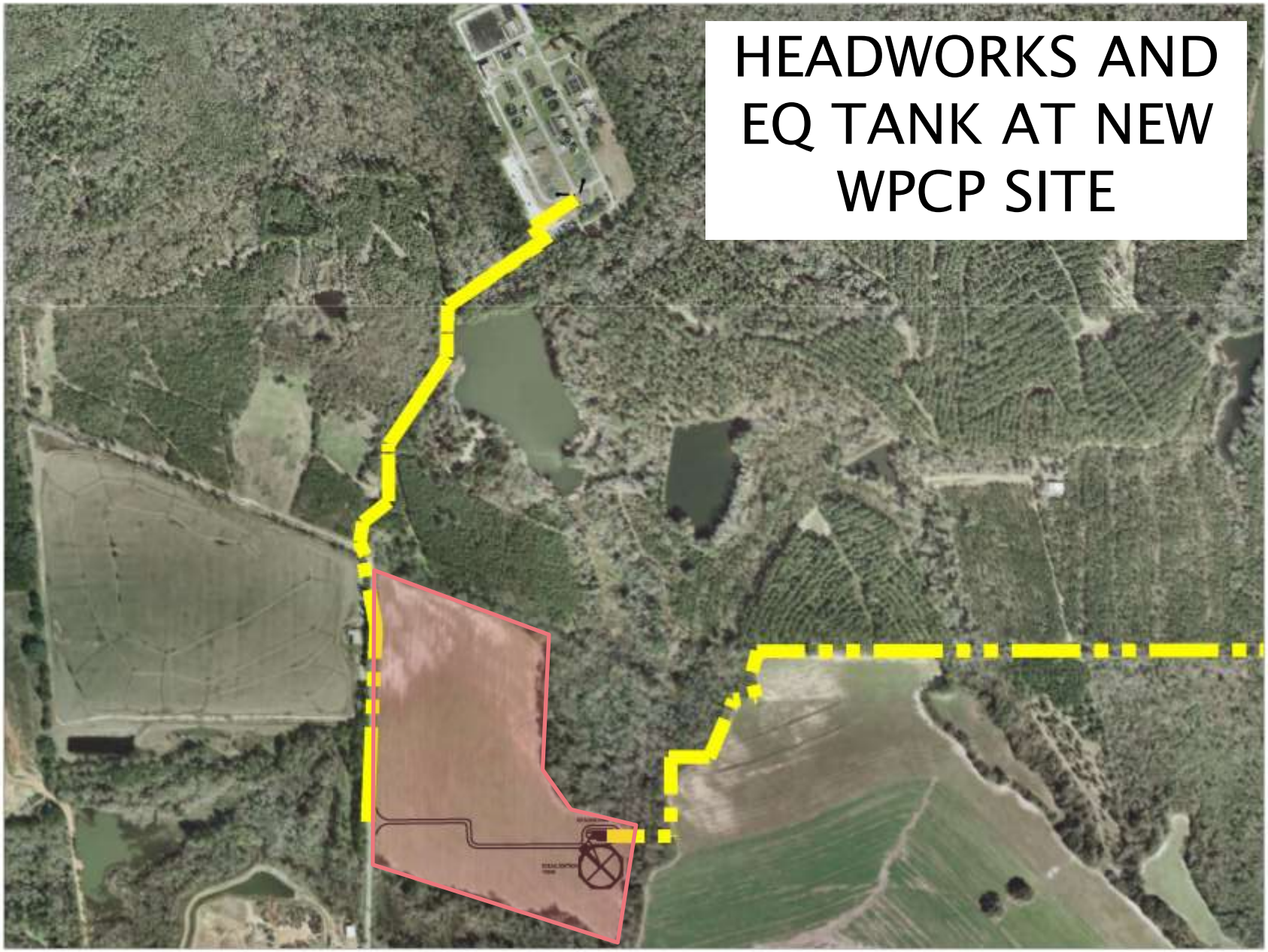


Gornto & Remer Ln. Pump Stations

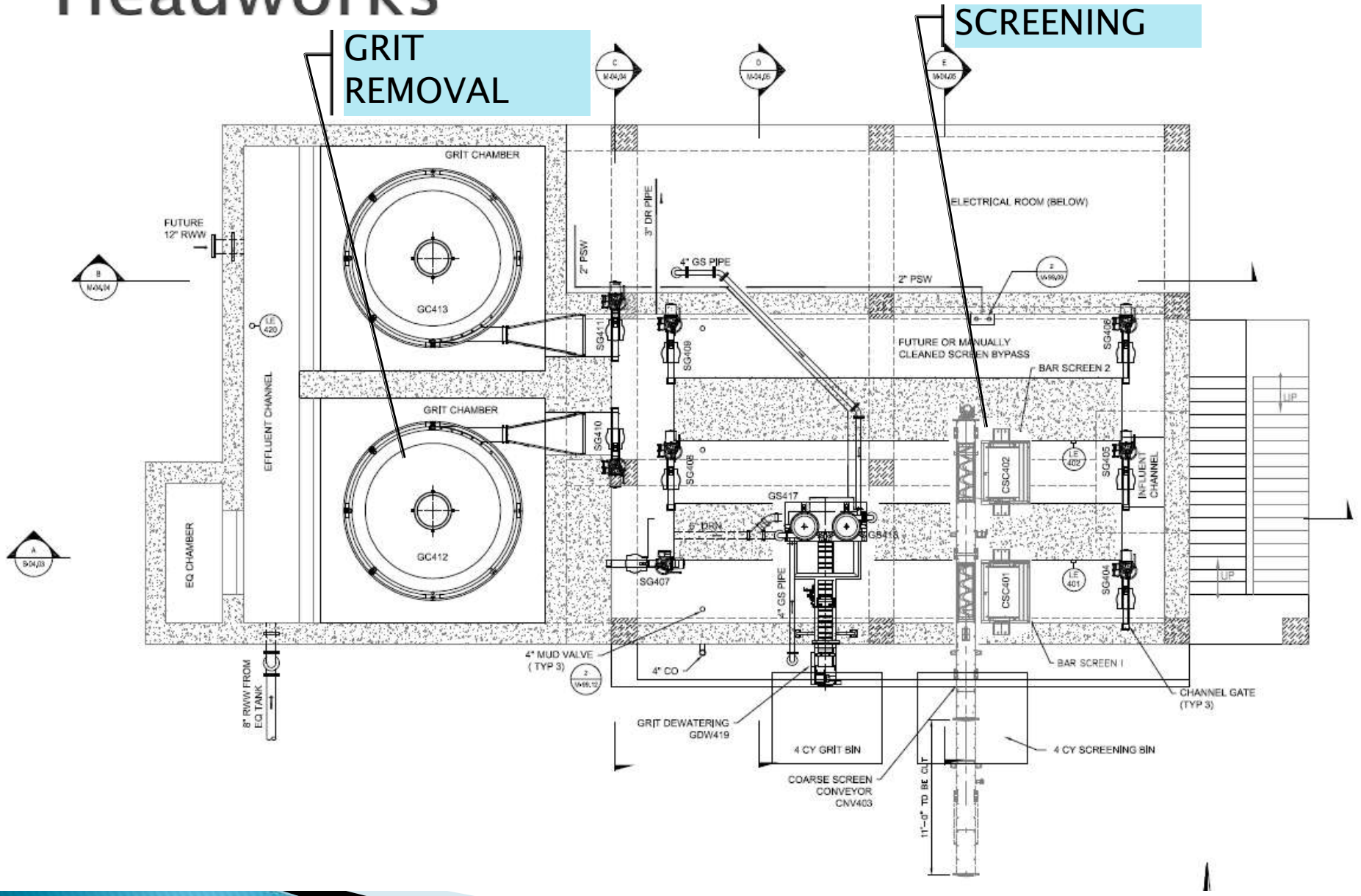


Headworks & Equalization Tank

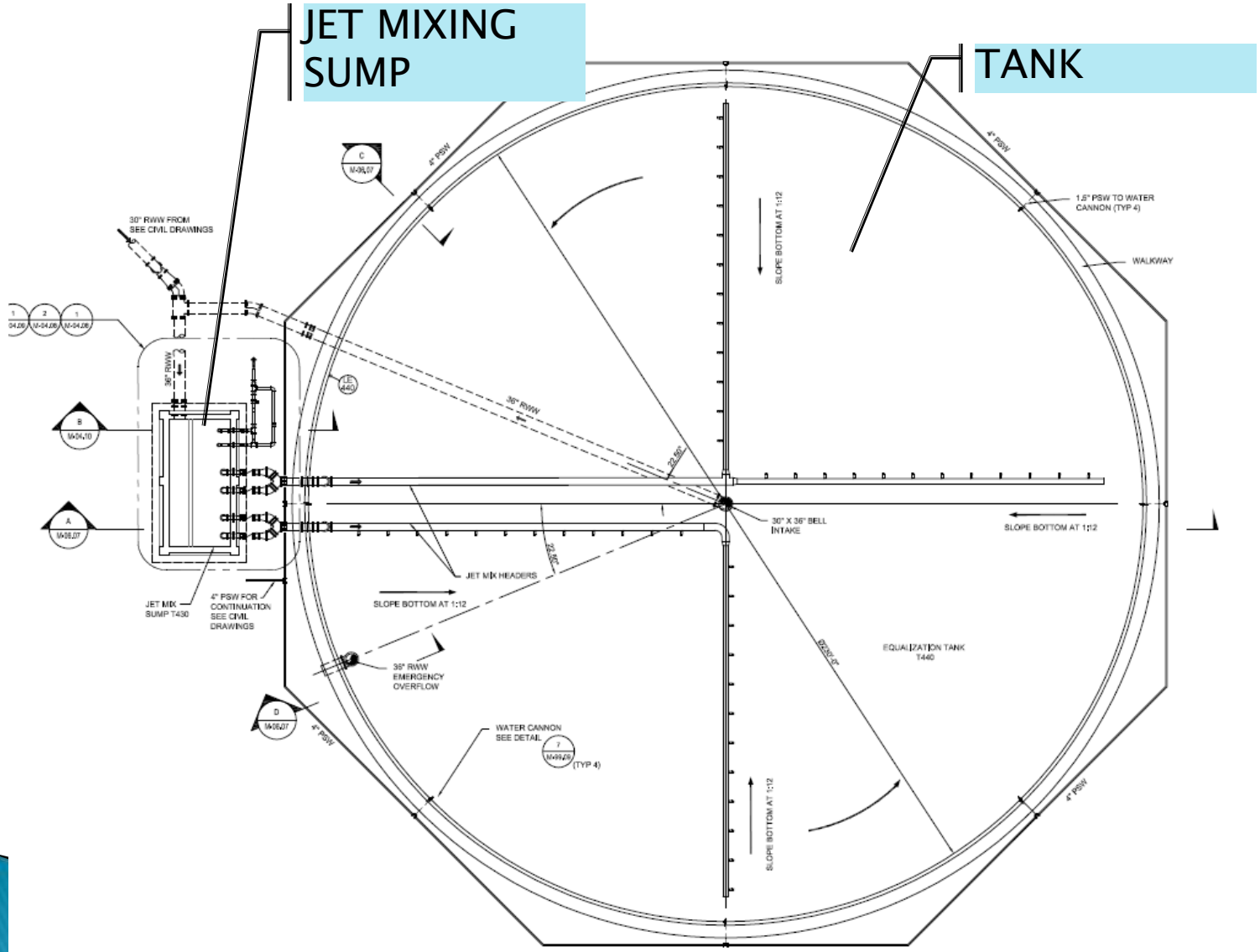
- New Plant Site
- Designed to Handle Peak Flow of 38 MGD
- Screening
- Fine Grit Removal
- 6 MG Equalization Tank Reduces Peak Flow to Treatment Plant to 22 MGD
- Design Completion – June 2013


HEADWORKS AND
EQ TANK AT NEW
WPCP SITE

Headworks


GRIT REMOVAL
SCREENING
GRIT CHAMBER
GC413
GRIT CHAMBER
GC412
FUTURE 12" RWW
EFFLUENT CHANNEL
EQ CHAMBER
8" RWW FROM EQ TANK
3" DR PIPE
2" PSW
4" GS PIPE
2" PSW
ELECTRICAL ROOM (BELOW)
FUTURE OR MANUALLY CLEANED SCREEN BYPASS
BAR SCREEN 2
SG411
SG410
SG409
SG408
SG407
SG406
SG405
SG404
GS417
GS418
2" DRN
4" GS PIPE
CSC402
CSC401
INFLUENT CHANNEL
UP
UP
4" MUD VALVE (TYP 3)
4" CO
BAR SCREEN 1
CHANNEL GATE (TYP 3)
GRIT DEWATERING GDW419
4 CY GRIT BIN
4 CY SCREENING BIN
COARSE SCREEN CONVEYOR CNV403
11'-0" TO BE CUT

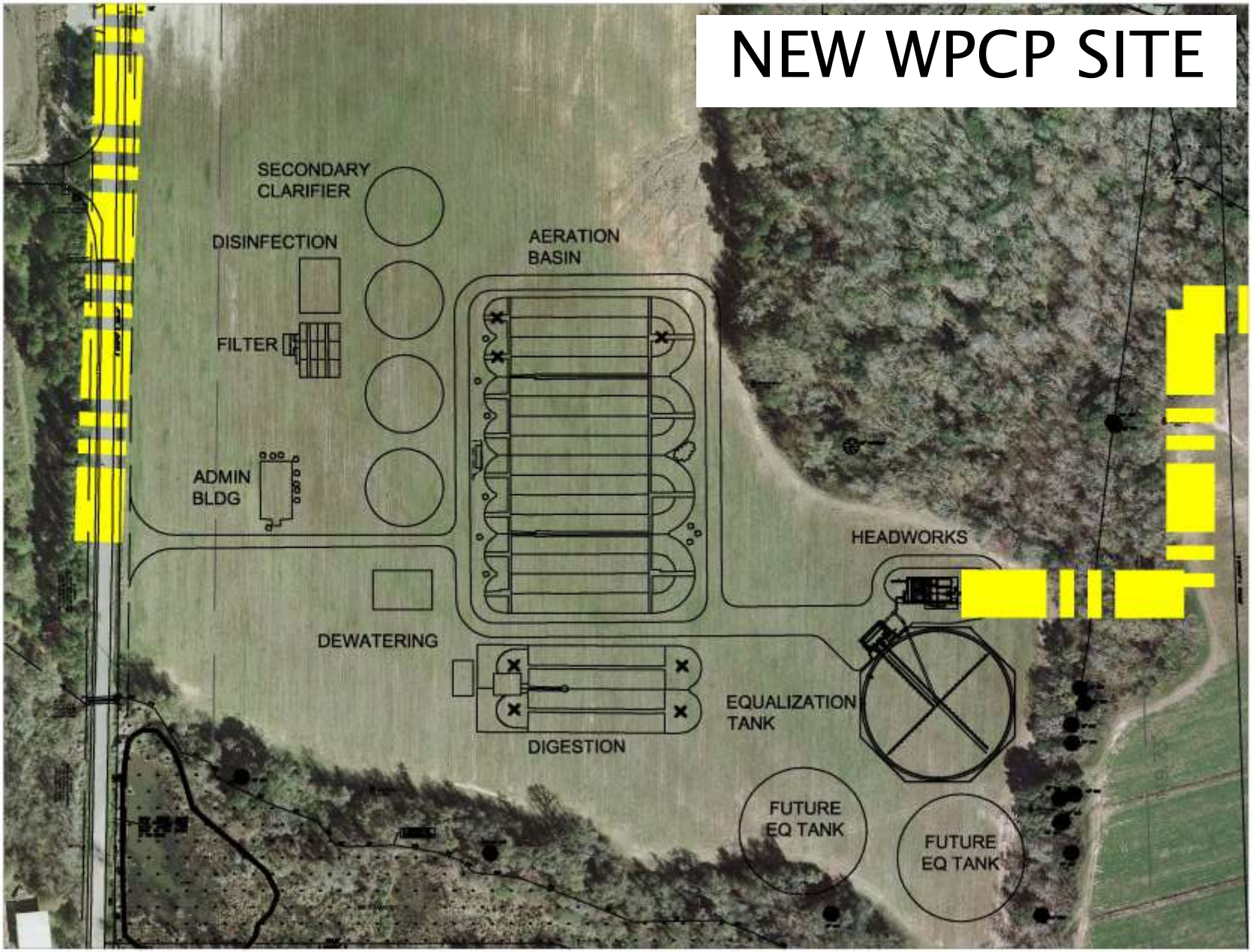
Equalization Tank



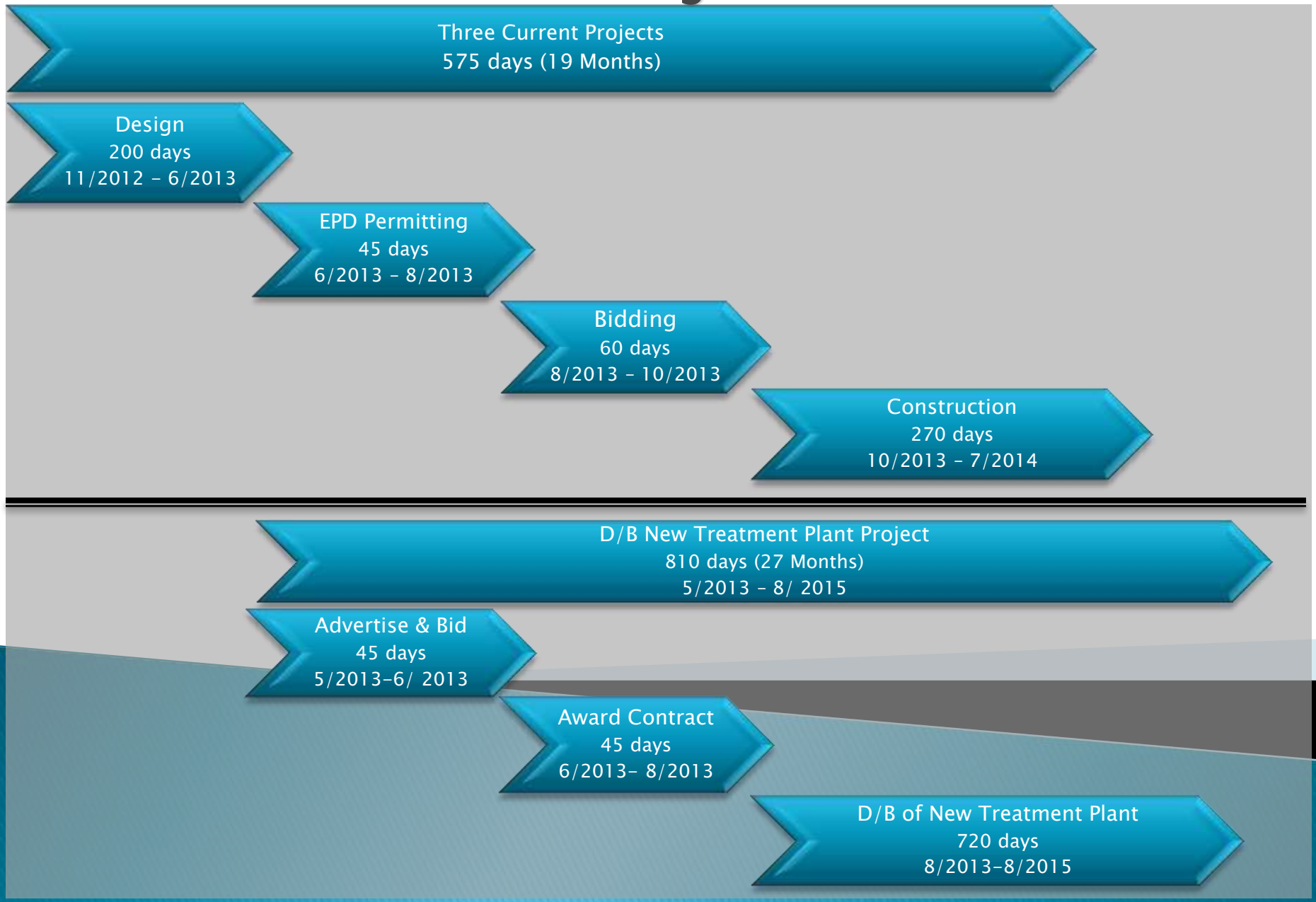
Planned D/B of Treatment Plant

- Design to Meet Current Permit Limits
  - 12 MGD Average Day Flow
  - 22 MGD Peak Hydraulic Capacity
  - Designed to Allow Future Expansion
  - Maintains Current Discharge Point
- Dual Power Feeds
- Sited Above Flood Plain on City Property
- Estimated Cost – $20 Million
- Design/Build to Accelerate Project Completion

NEW WPCP SITE



Best Possible Project Schedule



Approach to Funding

- Sales Tax Options
  - SPLOST
- Public Involvement
  - Community Outreach
    - Meetings
    - Advertisements
  - Community Education
    - Local Talk Radio
    - Local News Segments
  - Consent Order – EPD