

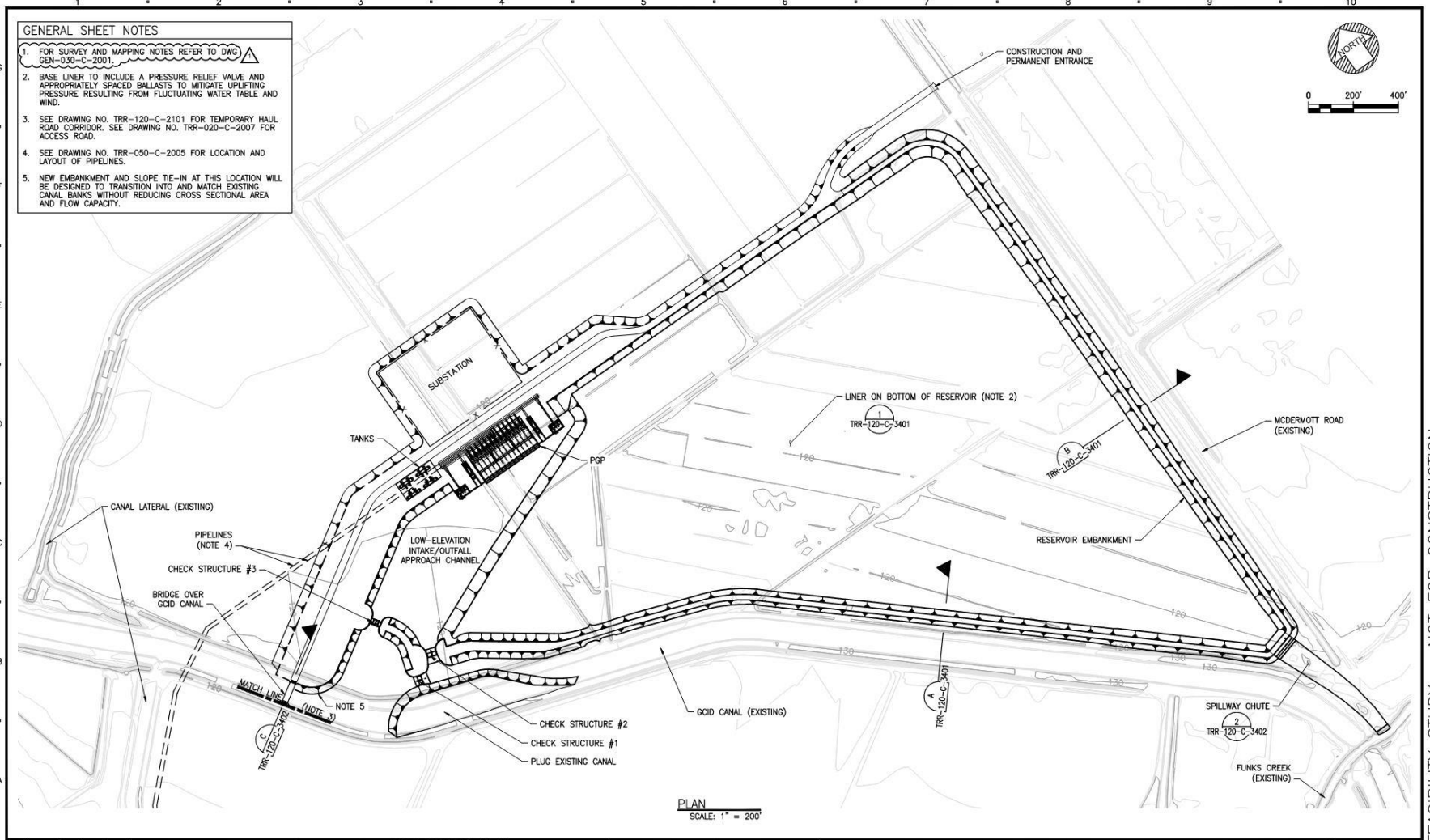
Reservoir Committee Meeting

Agenda Item 2.2: Final Terminal Regulating
Reservoir (TRR) Siting

August 19, 2022



TRR East



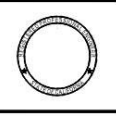
- GENERAL SHEET NOTES**
1. FOR SURVEY AND MAPPING NOTES REFER TO DWG GEN-030-C-2001.
 2. BASE LINER TO INCLUDE A PRESSURE RELIEF VALVE AND APPROPRIATELY SPACED BALLASTS TO MITIGATE UPLIFTING PRESSURE RESULTING FROM FLUCTUATING WATER TABLE AND WIND.
 3. SEE DRAWING NO. TRR-120-C-2101 FOR TEMPORARY HALL ROAD CORRIDOR. SEE DRAWING NO. TRR-020-C-2007 FOR ACCESS ROAD.
 4. SEE DRAWING NO. TRR-050-C-2005 FOR LOCATION AND LAYOUT OF PIPELINES.
 5. NEW EMBANKMENT AND SLOPE TIE-IN AT THIS LOCATION WILL BE DESIGNED TO TRANSITION INTO AND MATCH EXISTING CANAL BANKS WITHOUT REDUCING CROSS SECTIONAL AREA AND FLOW CAPACITY.

PLATTER BUSINESS SERVICES, INC. 11/15/2019 1:54:42 PM
 DRAWING: TRR-120-C-2401_L_03300000.dwg
 JACOBS PROJECT # 03800600

1/R	DATE	BY	CHK	APPR	REVISIONS AS NOTED	DESCRIPTION
1	12/14/2020	SK	DM	PR	REVISED AS NOTED	

DESIGNED BY: D MORLEY
 DRAWN BY: S KUHLMAYER
 CHECKED BY: B MARTINEZ
 IN CHARGE: P RUDE
 DATE: 11-09-2020

JACOBS
 2525 AIRPARK DR
 REDWOOD CITY, CA 94061
 PHONE: (650) 243-3831
Geosyntec
 consultants



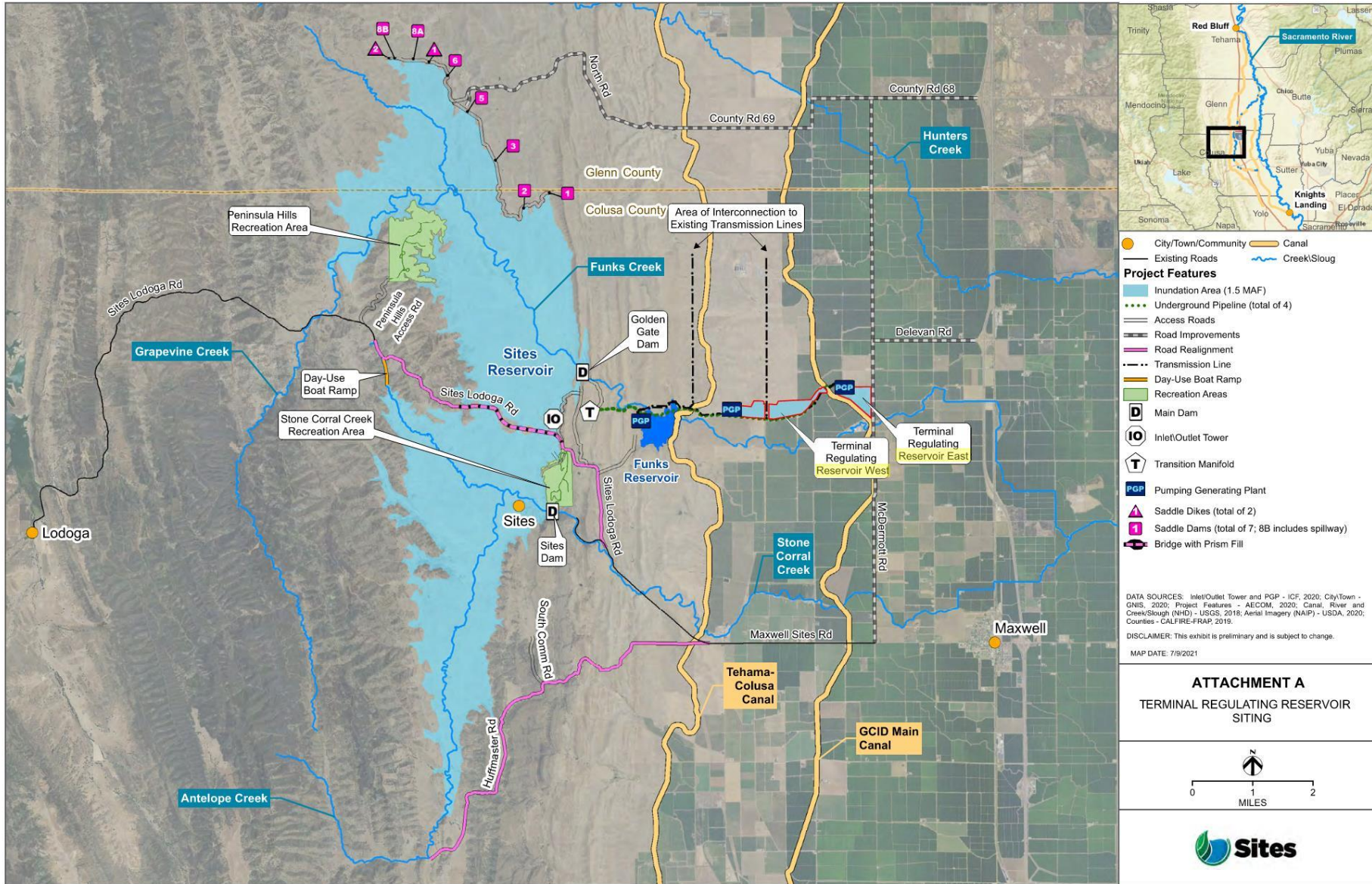
SITES RESERVOIR TO 2
TERMINAL REGULATING RESERVOIR EAST
RESERVOIR
PLAN

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL
 DRAWING. ADJUST SCALE FOR
 REDUCED PLOTS.

DRAWING NO.
 TRR-120-C-2401
 SHEET 123

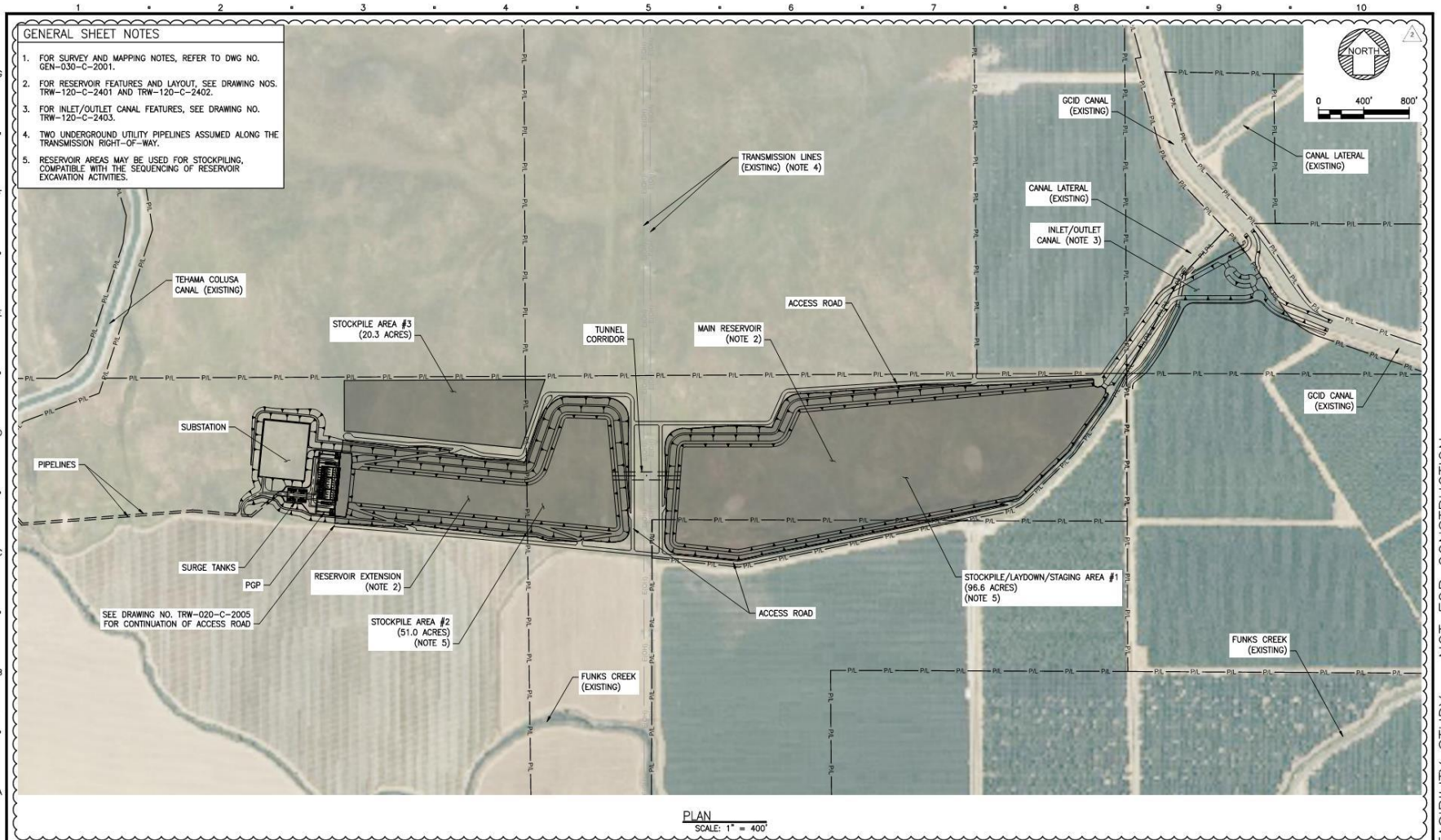
PROJECT FEASIBILITY STUDY - NOT FOR CONSTRUCTION

TRR West Siting



PATH: I:\PDC\TRR\GIS\PROJECTS_1\SITES_PA00023_2\FIGURES\DOCS\REB\1_DEW\91_ADR\CHAPTER\FIG2-1_ALT1_3_REGRESERVOIRS_CONV.MXD - USER: 24881 - DATE: 7/8/2021

TRR West



PLOTTED: BUSINESS PLAN/WORKSHEET: 11/20/21 5:44:42 PM
 DRAWING: TRW-120-C-2401-PLAN-RESERVOIR TO 2
 JACOBS PROJECT # 03806060

2	03/12/2021	SK	DM	PR	REVISED AS NOTED	DESCRIPTION
V/R	DATE	BY	CHK	APPR		

DESIGNED BY: D. MORLEY
 DRAWN BY: S. KUHLMAYZER
 CHECKED BY: B. MARTINEZ
 IN CHARGE: P. RUDE
 DATE: 03-12-2021

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 PHONE: (650) 243-3831
Geosyntec
 consultants



SITES RESERVOIR TO 2
 TERMINAL REGULATING RESERVOIR WEST
 RESERVOIR SITE
 PLAN

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL
 DRAWING. ADJUST SCALE FOR
 REDUCED PLOTS
 DRAWING NO.
 TRW-120-C-2401
 SHEET 148

PROJECT FEASIBILITY STUDY - NOT FOR CONSTRUCTION

TRR West Geotechnical Investigations



TRR West Considerations

- Real Estate
 - Less impacts to existing orchards
- Constructability
 - Favorable soil conditions for foundations
 - Static and seismic stability
 - Likely to require less dewatering
 - Mostly excavation = fewer construction constraints
- Construction Cost
 - Requires shorter length of pipes and power lines
 - Extensive ground improvements is not required
- Assumed to be not within DSOD jurisdiction (pending DSOD review and determination)

Cost Comparison of TRR East and TRR West

Facility	(2019 Cost in Millions)	(2021 Cost in Millions)
TRR East		
TRR East/Funks Pipelines	\$358.5	\$369.6
TRR East Reservoir	\$179.6	\$185.1
TRR East Transmission Power Lines - PG&E Connection	\$58.6	\$60.4
TRR East Subtotal	\$596.7	\$615.1
TRR West		
TRR West/Funks Pipelines	\$220.0	\$226.8
TRR West Reservoir	\$205.6	\$211.9
TRR West Transmission Power Lines – PG&E Connection	\$38.1	\$39.3
TRR West Subtotal	\$463.7	\$478.0
Total Cost Differential Between TRR East and TRR West	\$133.0	\$137.1

TRR Siting and Recommendations

- Recommend acceptance of the TRR West site for advancing TRR design
- Recommend removing all planned geotechnical investigation activities required to inform design of the TRR East site
- Recommend redefining all design related activities for the TRR to focus on the TRR West site, including value engineering and optimization of facilities
- Recommend directing all TRR coordination efforts to reflect the TRR West site

Questions?

