

CCWD ENGINEERING COMMITTEE CIP UPDATE

09/10/24



CONSTRUCTION PHASE

- **Copper Cove Lift Stations 6, 8, 15 & 16 and Lift Stations 12 & 13 Force Main Bypass Project**
- **Copper Cove Water System Improvements Project**
- **Jenny Lind Water System A-B Water Transmission Pipeline**
- **Jenny Lind Clearwell #2 Rehabilitation**
- **West Point Water Supply Reliability Improvements**
- **West Point and Wilseyville Wastewater Consolidation Project**

Copper Cove Lift Stations 6, 8, 15 & 16 and Lift Stations 12 & 13 Force Main Bypass Project



Lift Stations 6



Lift Stations 15

Copper Cove Water System Improvements Project



Clearwell



Tank B

Jenny Lind Water System A-B Water Transmission Pipeline

JENNY LIND WATER SYSTEM TANK A-B WATER TRANSMISSION PIPELINE PROJECT

Your rate dollars at work!



CALAVERAS COUNTY WATER DISTRICT

120 Toma Court, San Andreas, CA 95249

Phone: (209) 754-3543 / Website: www.CCWD.org

Jenny Lind Clearwell #2 Rehabilitation



West Point Water Supply Reliability Improvements



West Point and Wilseyville Wastewater Consolidation Project



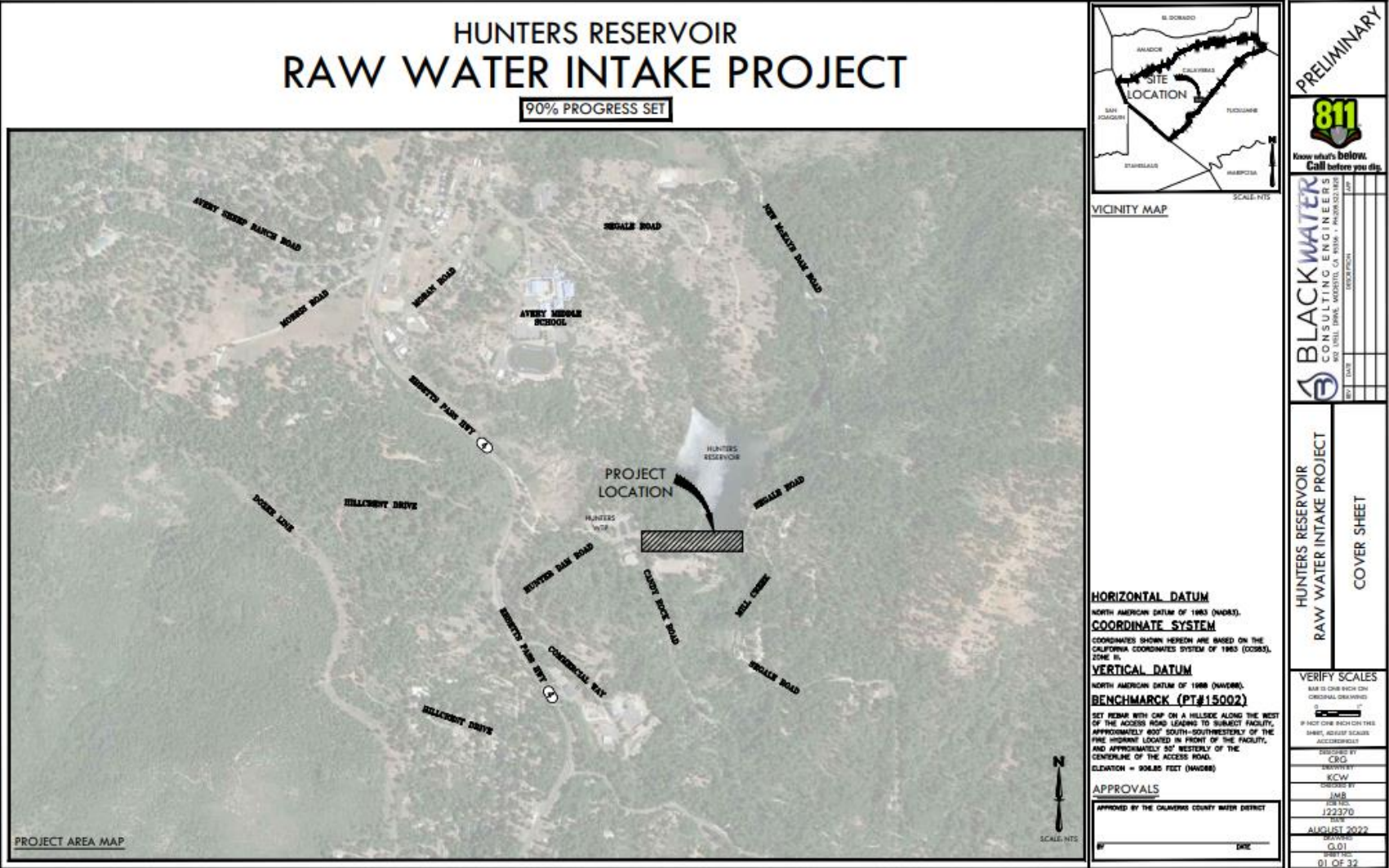
DESIGN PHASE

- **Ebbetts Pass Hunters Raw Water Intake Pumps**
- **Arnold Wastewater Secondary Clarifier Improvements Project**
- **Sawmill Tank Management Program**
- **Sheep Ranch Water Supply Reliability**
- **Copper Cove Wastewater Treatment Plant Tertiary Treatment Improvements and Facilities Plan (USACE Section 219 Project – Increment No. 1).**
- **Copper Cove Wastewater Treatment Plant – Pond 6 Dam and Effluent Storage Reservoir Enlargement Project (USACE Section 219 Project – Increment No. 2).**

DESIGN PHASE Cont.

- **Copper Cove C Transmission Line & Pump Station**
- **Lake Tulloch Intertie Project (CIP 11104)**
- **Copper Cove O'Byrnes Water Line Extension**
- **La Contenta Biolac and Clarifier**
- **Huckleberry Lift Station**
- **Wallace Tank Replacement**

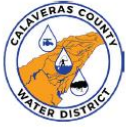
Ebbetts Pass Hunters Raw Water Intake Pumps



Arnold Wastewater Secondary Clarifier Improvements Project



Sawmill Tank Management Program

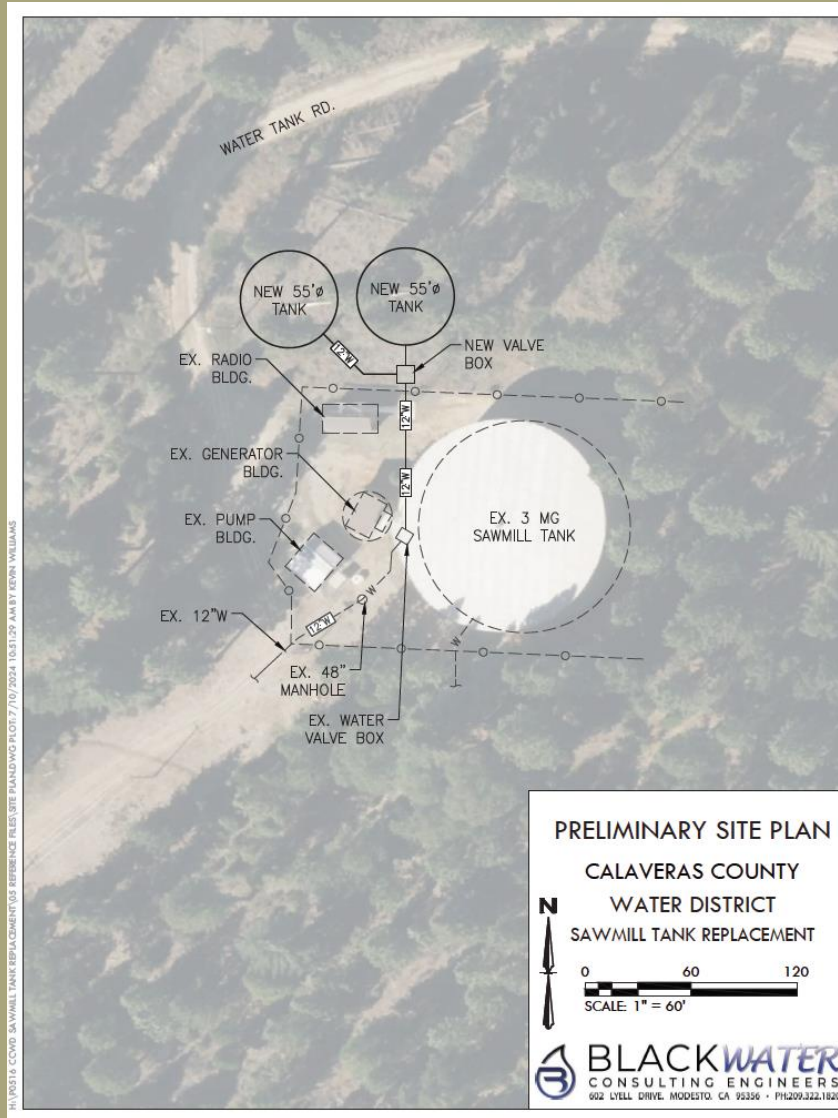


Design and Engineering Services for the
Ebbetts Pass Water System

Sawmill Tank Replacement Project

CIP 110835

July 10, 2024



Copper Cove Wastewater Treatment Plant Tertiary Treatment Improvements and Facilities Plan (USACE Section 219 Project – Increment No. 1)



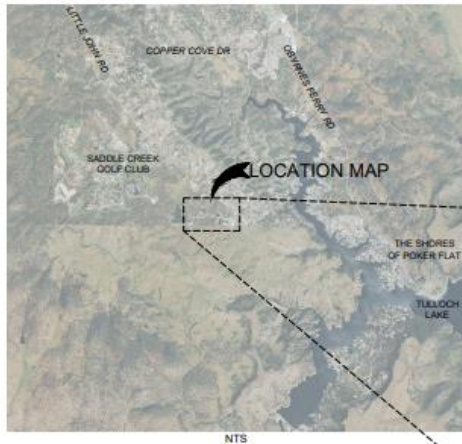
US Army Corps of Engineers®

CALAVERAS COUNTY WATER DISTRICT



10569 OLD PLACERVILLE RD
SACRAMENTO, CA 95827
OFFICE: (916)364-1490 www.hydroscience.com

COPPER COVE WWTP TERTIARY IMPROVEMENTS PROJECT



DRAWING INDEX					
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2	G002	STANDARD LEGENDS, SYMBOLS, PATTERNS, SERVICE ID SYSTEM AND ABBREVIATIONS	34	E010	ONLINE DIAGRAM, LOAD ANALYSIS AND ELEVATION
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4	G004	CONSTRUCTION NOTES, CITY STANDARD DRAWINGS, AND SWPPP NOTES	36	E020	ELECTRICAL SCHEDULES
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13	C061	CIVIL DETAILS - 2	45	E200	PRETREATMENT SYSTEM ELECTRICAL PLAN
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15	M300	PRETREATMENT SYSTEM PLAN	48	E300	ELECTRICAL DETAILS - 1
16	M001	PRETREATMENT SYSTEM ELEVATIONS	49	E001	ELECTRICAL DETAILS - 2
17	M300	FILTER SYSTEM PLAN	INSTRUMENTATION		
18	M301	FILTER SYSTEM SECTIONS	49	I001	PROCESS AND INSTRUMENTATION LEGEND, SYMBOLS, AND ABBREVIATIONS
19	M400	BACKWASH WASTE LIFT STATION PLAN AND SECTIONS	49	I002	PROCESS AND INSTRUMENTATION DIAGRAM - 1
20	M500	SOLIDS DEWATERING SYSTEM PLAN AND SECTIONS	50	I003	PROCESS AND INSTRUMENTATION DIAGRAM - 2
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23	M002	MECHANICAL DETAILS - 3	53	I006	PROCESS AND INSTRUMENTATION DIAGRAM - 5
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25	S002	TYPICAL STRUCTURAL DETAILS 1			
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29	S300	FILTER SYSTEM BOTTOM PLAN			
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Prepared under the direction of:
US Army Corps of Engineers - Sacramento District

COL Chad Caldwell
Col. Corps of Engineers, Sacramento District

APPROVED BY:
/s/ Mark (Rock) J. Derocchi
Chief Engineer

APPROVED FUNCTIONAL ADEQUACY:
/s/ Will Hall P.E.
Chief, Civil Works Branch

This project was designed by the Sacramento District of the U. S. Army Corps of Engineers. The initials or signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by ER 1110-1-8152

SOLICITATION NO.: WXXXXX-XX-X-XXXX
CONTRACT NO.: WXXXXX-XX-X-XXXX
ISSUE DATE: 7/10/2024
<PROJECT VOLUME #>



NOT FOR CONSTRUCTION

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FOR THE PROJECT
COVER SHEET, VICINITY MAP,
LOCATION MAP AND DRAWING INDEX

SHEET ID
G001
1 OF 53

60% SUBMITTAL - JULY 2024

Copper Cove C Transmission Line & Pump Station

COPPER COVE WATER SYSTEM C-TANK BOOSTER PUMP STATION MODIFICATIONS AND TRANSMISSION MAIN

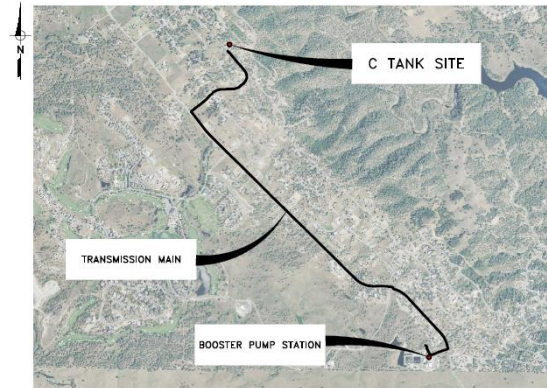
JUNE 2024



VICINITY MAP
NTS

INDEX OF DRAWINGS

- GENERAL
- G01 TITLE SHEET, LOCATION MAP, & VICINITY MAP
- G02 ABBREVIATIONS, SYMBOLS, GENERAL NOTES, & DESIGN CRITERIA
- CML
- C01 STAGING AREAS
- C02 TRANSMISSION MAIN SHEET INDEX
- C03 PLAN AND PROFILE STA 8+00 TO 9+00
- C04 PLAN AND PROFILE STA 18+00 TO 19+00
- C05 PLAN AND PROFILE STA 19+00 TO 27+00
- C06 PLAN AND PROFILE STA 27+00 TO 36+00
- C07 PLAN AND PROFILE STA 36+00 TO 45+00
- C08 PLAN AND PROFILE STA 45+00 TO 54+00
- C09 PLAN AND PROFILE STA 54+00 TO 63+00
- C10 PLAN AND PROFILE STA 63+00 TO 72+00
- C11 PLAN AND PROFILE STA 72+00 TO 81+00
- C12 PLAN AND PROFILE STA 81+00 TO 90+00
- C13 PLAN AND PROFILE STA 90+00 TO 99+00
- C14 PLAN AND PROFILE STA 99+00 TO 108+00
- C15 PLAN AND PROFILE STA 108+00 TO 117+00
- C16 PLAN AND PROFILE STA 117+00 TO 126+00
- C17 C-TANK SITE PLAN
- C18 B-TANK SITE PLAN
- C19 MISC. PIPELINE DETAILS
- C20 MISC. PIPELINE DETAILS
- C21 MISC. PIPELINE DETAILS
- MECHANICAL
- M01 BOOSTER PUMP STATION SOLUTION PLAN
- M02 BOOSTER PUMP STATION PLAN
- M03 BOOSTER PUMP STATION SECTIONS
- M04 BOOSTER PUMP STATION DETAILS 1
- M05 BOOSTER PUMP STATION DETAILS 2
- ELECTRICAL
- E1 ELECTRICAL SYMBOLS & ABBREVIATIONS
- E2 EXISTING MCCI ONE LINE DIAGRAM
- I1 INSTRUMENTATION SYMBOLS & ABBREVIATIONS
- 1910 EXISTING WTP EFFLUENT PUMP STATION POND



LOCATION MAP
NTS

APPROVALS

MARK RINCON-IBARRA DISTRICT ENGINEER CALAVERAS COUNTY WATER DISTRICT	DATE
KARL BRUSTAD, PE PRINCIPAL PETERSON, BRUSTAD, INC.	DATE

Calaveras County Water District

120 TOMA CT, SAN ANDREAS, CA 95249
PHONE: (209) 754-3543



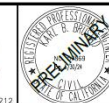
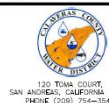
WARNING: CONTRACTOR TO USE EXTREME CAUTION. EXACT DEPTH AND LOCATION OF UNDERGROUND UTILITIES ARE UNKNOWN. CONTRACTOR TO FIELD VERIFY LOCATION, AND DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION AND SHALL NOTIFY ENGINEER OF ANY CONFLICT. CONTRACTOR SHALL CALL USA AT 1-800-442-2444 OR 811 AT LEAST TWO WORKING DAYS BEFORE DIGGING.

50% DESIGN SUBMITTAL

REV	DATE	BY	DESCRIPTION

SCALE:	WARNING:
AS NOTED	0 1/2 1
DATE:	IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.
JUNE 2024	

DESIGNED: AAS	CHECKED: KBB
DRAWN: JAS/HMH	

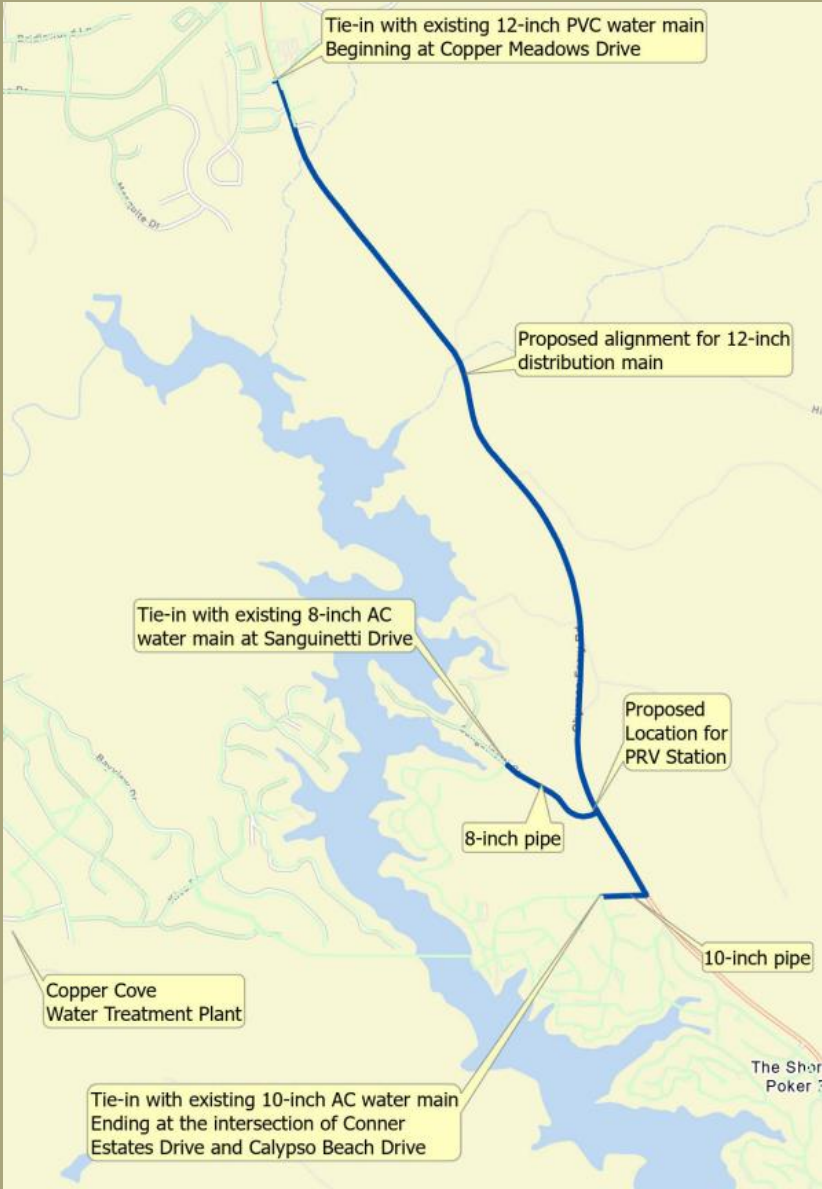


COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT - C-TANK BOOSTER PUMP STATION MODIFICATIONS AND TRANSMISSION MAIN	FIGURE
TITLE SHEET, LOCATION MAP, & VICINITY MAP	G01

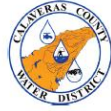
FIGURE	G01
SHEET	1 OF 26

P:\SOPRO\Copper Cove Water System Improvements\05 Drawings\01.1 CAD\DWG & Transmittals\Map\Sheet Copper Cove (2024) - General.dwg 1:45:21 PM 1/1/24

Lake Tulloch Intertie Project



La Contenta Biolac and Clarifier



Design and Engineering Services for the La Contenta Wastewater Treatment Facility Phase 3 Improvement Project



PROPOSAL | MAY 30, 2024

Prepared for:
Calaveras County Water District

Prepared by:
HydroScience Engineers

HydroScience 

Huckleberry Lift Station



HALF SIZED

DESIGNED BY:	S. GOODWIN
DRAWN BY:	S. GOODWIN
CHECKED BY:	
DATE:	2/19/24
SCALE:	1" = 10'-0"
SEE LENGTH ONE INCH ON SCALED DRAWING	



**CALAVERAS COUNTY
WATER DISTRICT**

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SAN ANDREAS, CALIFORNIA 95339
PHONE: (530) 754-5343

**HUCKLEBERRY LIFT STATION
IMPROVEMENTS SITE PLAN
PHASE 3 IMPROVEMENT PROJECT
LA CONTENTA WASTEWATER TREATMENT FACILITY**

15097
PROJECT NUMBER C111A
DRAWING NUMBER - OF -
SHEET NUMBER



Wallace Tank Replacement



