Notice of Exemption

Appendix E

To: Office of Planning and Research
P.O. Box 3044, Room 113
Sacramento, CA 95812-3044

County Clerk
County of: Calaveras County

From: (Public Agency): Calaveras County Water District
120 Toma Court, San Andreas 95249
(Address)

Project Title: Huckleberry Lift Station Project

Project Applicant: Calaveras County Water District

Project Location - Specific:
2502 Huckleberry Lane, Valley Springs CA, APN 074-006-017

Project Location - City: Valley Springs Project Location - County: Calaveras

Description of Nature, Purpose and Beneficiaries of Project:
Fully replacing existing Sewer Lift Station with new modernized pump station. This is the main lift station that conveys wastewater to the La Contenta WWTP.

Name of Public Agency Approving Project: Calaveras County Water District

Name of Person or Agency Carrying Out Project: Kevin Williams, District Engineer

Exempt Status: **(check one):**

- ☐ Ministerial (Sec. 21080(b)(1); 15268);
- ☐ Declared Emergency (Sec. 21080(b)(3); 15269(a));
- ☐ Emergency Project (Sec. 21080(b)(4); 15269(b)(c));
- ☒ Categorical Exemption. State type and section number: Class 2, Section 15302(C) Reconstruction/Replacement
- ☐ Statutory Exemptions. State code number:

Reasons why project is exempt:
Based on the project descripton and environmental review, CCWD finds the proposed Huckleberry Replacement Sewer Pump Station Project is exempt from CEQA pursuant to Class 2, Section 15302(C) (Replacement or Reconstruction)

Lead Agency
Contact Person: Kevin Williams Area Code/Telephone/Extension: 209-754-3184

If filed by applicant:

1. Attach certified document of exemption finding.
2. Has a Notice of Exemption been filed by the public agency approving the project? ▪ Yes No

Signature: Date: 10-3-2025 Title: District Engineer

▪ Signed by Lead Agency Signed by Applicant

Authority cited: Sections 21083 and 21110, Public Resources Code.
Reference: Sections 21108, 21152, and 21152.1, Public Resources Code.

Date I

(ENDORSED)
FILED
County of Calaveras
Rebecca Turner
County Clerk-Recorder
05-2025-053
10/03/2025
Beth Cole
bcole, Deputy Clerk

evised 2011

CEQA CATEGORICAL EXEMPTION MEMORANDUM

PREPARED FOR: Calaveras County Water District
PREPARED BY: Kevin Williams PE, District Engineer
DATE: 10/3/2025
SUBJECT: California Environmental Quality Act Categorical Exemption for Huckleberry Replacement Pump Station Project

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1. Introduction

The Calaveras County Water District (CCWD) proposes to replace the aging Huckleberry Lift Station (LS) in Valley Springs, California (proposed project). The existing Huckleberry LS was constructed in 1991 and is critical for conveying wastewater flows from the La Contenta service area to the La Contenta Wastewater Treatment Facility. Due to its age, reliability concerns, and the need for larger pumps to handle flows, the District has identified the need to fully replace the existing facility with a modernized pump station. The existing Lift Station design was flawed and does not handle flow as originally intended, do to challenging hydraulic conditions that pumps have to overcome.

The purpose of this memorandum is to document the categorical exemption determination under the California Environmental Quality Act (CEQA).

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2. Project Location

- **Location:** 2502 Huckleberry Lane, Valley Springs, California (Figure 1 – Location Map)
- **Assessor's Parcel Number:** 074-006-017
- **Jurisdiction:** Calaveras County

The site is located adjacent to Cosgrove Creek and within CCWD-owned property used for wastewater conveyance infrastructure.

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3. Project Description

The proposed project involves demolition of the existing Huckleberry Lift Station and construction of a replacement facility designed to provide reliable service for current and future peak flows in the La Contenta service area. Major project components include:

- **Pump Station:**
    - Two (2) low-flow submersible pumps (150 gpm @ 200 feet TDH each).
    - Two (2) high-flow submersible pumps (700 gpm @ 260 feet TDH each).
    - Pumps configured for lead-lag and standby operation with VFD controls.
- **Electrical and Instrumentation:**
    - New service equipment, MCC, VFDs, ATS, and controls (PLC/HMI).
    - Ventilation, air handling, and lighting improvements.
    - Possible PG&E pad/transformer relocation.
- **Emergency Power:**
    - On-site diesel generator with 24-hour fuel storage capacity.
- **Foul Air Control:**
    - Negative air pressure ventilation of wetwell with odor control treatment.
- **Flood Control:**
    - Protective barriers to mitigate 200-year recurrence interval flood risk from Cosgrove Creek.
- **Site Work:**
    - Access improvements, paving, gates, and security fencing.
    - Demolition of existing lift station infrastructure.

Construction is anticipated to begin in 2026, with completion expected in 2028.

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4. Environmental Resource Considerations

- **Biological Resources:** The project occurs on a previously disturbed CCWD site. No sensitive habitat or aquatic features are present within the immediate footprint. Standard measures for nesting bird protection will be implemented if construction occurs during the breeding season.
- **Cultural Resources:** The project footprint is limited to an existing wastewater facility site. No historic or cultural resources are recorded on-site. CCWD will

comply with standard procedures if unanticipated cultural resources or human remains are encountered.

- **Hazardous Materials:** Construction activities will comply with all applicable laws and BMPs for handling fuels and hazardous materials. The site is not listed on DTSC's hazardous materials database.
- **Floodplain:** The site is located near Cosgrove Creek. Flood protection measures are included in the project design.

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5. CEQA Analysis

The proposed project qualifies as a **Categorical Exemption under Class 2 (Section 15302(c))**, Replacement or Reconstruction, as it involves replacement of an existing publicly owned utility facility with a new facility designed for the same purpose but with greater capacity and reliability.

Exceptions Review (Section 15300.2):

- **Sensitive Environment:** The project site is already developed and not located within a particularly sensitive environment.
- **Cumulative Impacts:** No cumulative projects are planned that would combine with this project to result in significant impacts.
- **Unusual Circumstances:** The project involves replacement of an existing utility facility; no unusual circumstances apply.
- **Scenic Highways:** The project is not adjacent to a designated scenic highway.
- **Hazardous Waste Sites:** The project is not on a listed hazardous waste site.
- **Historic Resources:** No historic resources will be affected.

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6. Determination

Based on the project description and environmental review, CCWD finds the proposed Huckleberry Replacement Pump Station Project to be exempt from CEQA pursuant to **Class 2, Section 15302(c)** (Replacement or Reconstruction).

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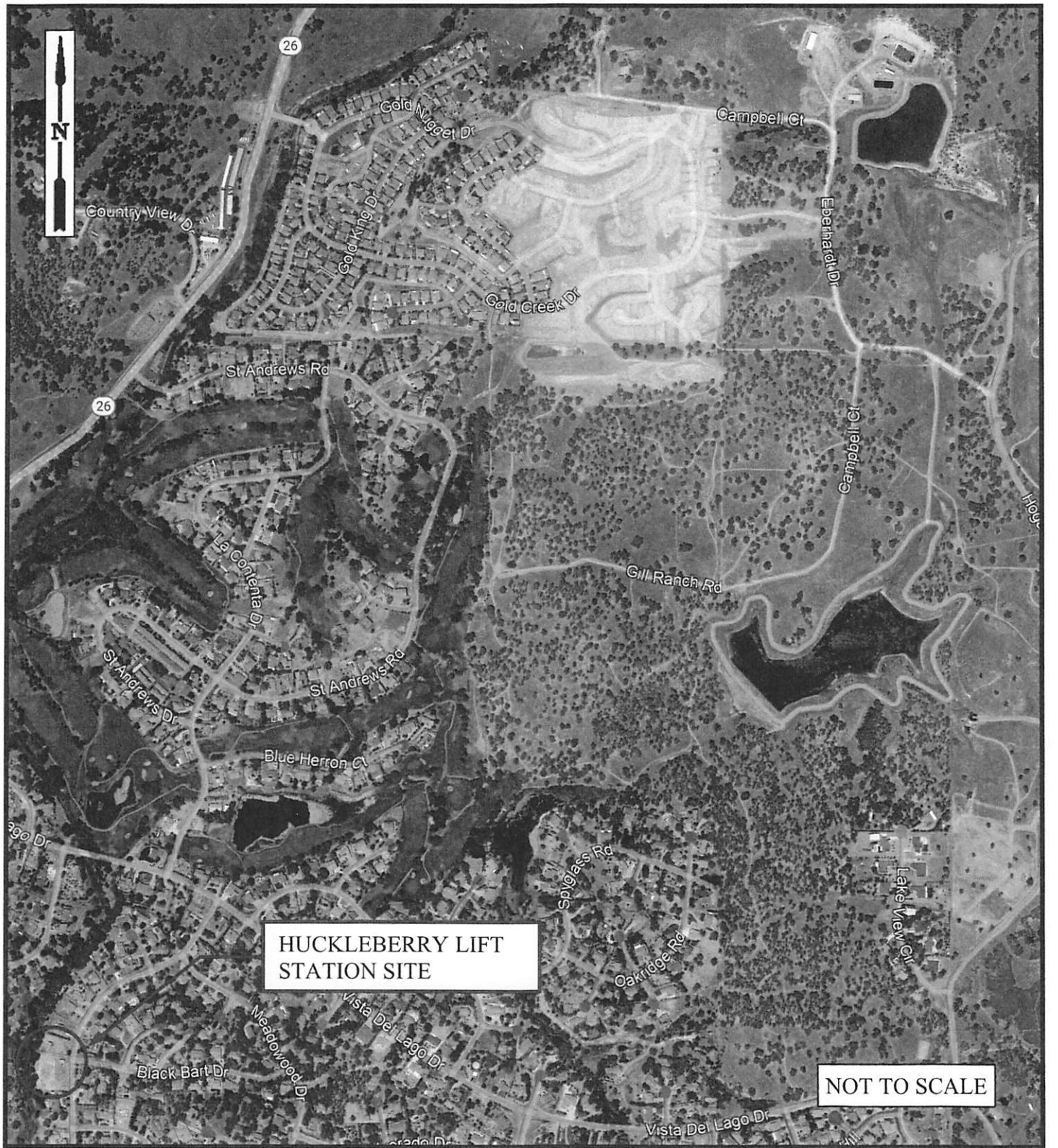
7. References *La Contenta Huckleberry Lift Station Drawing*



LOCATION MAP

La Contenta Huckleberry Lift Station

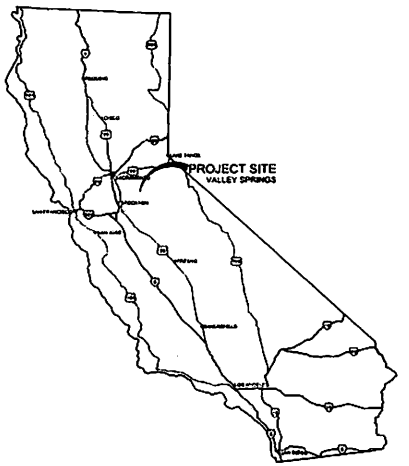
Calaveras County Water District / La Contenta Request for Proposals
February 2024

FIGURE 1

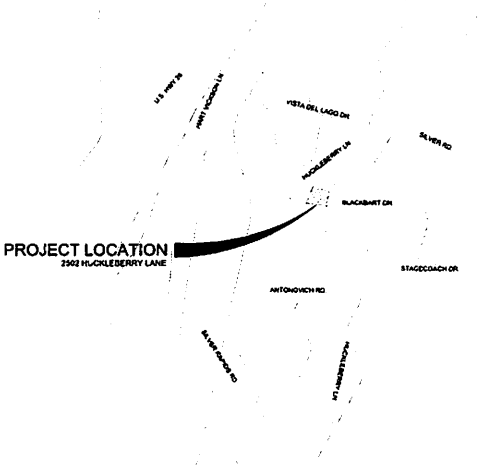
CALAVERAS COUNTY WATER DISTRICT

HUCKLEBERRY LIFT STATION

APN: 074-006-017



LOCATION MAP



VICINITY MAP

APPROVED BY:

CALAVERAS COUNTY WATER DISTRICT DATE

LUMOS & ASSOCIATES, INC DATE

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OWNER

CALAVERAS COUNTY WATER DISTRICT
ATTN: KEVIN WILLLIAMS
120 TOMA CT
SAN ANDREAS, CA 95249

BASIS OF BEARING

THE BASIS OF BEARINGS FOR THIS SURVEY IS CALIFORNIA STATE PLANE COORDINATE SYSTEM, ZONE 3 NAD83(2011) BASED UPON REAL TIME KINEMATIC GPS OBSERVATIONS, OBSERVED JULY 29, 2024 USING A SURVEY GRADE DUAL FREQUENCY GPS RECEIVER FROM P309 MODIFIED BY A COMBINED FACTOR OF 1.000069964, SCALED FROM 0.00N ,0.00E AND CONVERTED TO U.S. SURVEY FEET. ALL DIMENSIONS ON THIS MAP ARE GROUND DISTANCES.

BASIS OF ELEVATION

DATUM: NAVD 88
PROJECT BENCHMARK = NGS T 905 ,DS0406
HAVING AN ELEVATION OF 706 FEET

ENGINEER

LUMOS & ASSOCIATES
950 SANDHILL ROAD, SUITE 100
RENO, NEVADA 89521
TEL: 775.827.6111
INFO@LUMOSINC.COM

811
Know what's below.
Call before you dig.

LUMOS & ASSOCIATES
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RENO, NV 89521
TEL: 775.827.6111

WWW.LUMOSINC.COM
INFO@LUMOSINC.COM

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CALAVERAS COUNTY WATER DISTRICT

HUCKLEBERRY LIFT STATION

-

TITLE SHEET

VALLEY SPRINGS | CALAVERAS COUNTY | CALIFORNIA

REV	DATE	DESCRIPTION	BY
		100% DESIGN FOR BID AUGUST 2025	

BAR IS 1 INCH ON ORIGINAL DRAWING

IF NOT ONE INCH ON THIS SHEET ADJUST SCALES ACCORDINGLY

C1.0

DRAWN BY	KA
DESIGNED BY	DH
CHECKED BY	MG
JOB NO.	11366.000

LEGEND

EXISTING		PROPOSED
	CONTOUR LINE	
+ 4163.1	GROUND ELEVATION	+ 4163.1
	TREE	
	ROCK	
	EDGE OF PAVEMENT	
	AC PAVING TO BE REMOVED	
	CURB & GUTTER	
	CONCRETE	
	UTILITY POLE	
	LIGHT	
	GUY WIRE	
ET	ELECTRIC TRANSFORMER	ET
EV	ELECTRIC VAULT	EV
EP	ELECTRIC PANEL	EP
EC	ELECTRIC CABINET	EC
EB	ELECTRIC BOX	EB
EM	ELECTRIC METER	EM
EG	ELECTRIC GENERATOR	EG
E	ELECTRIC MANHOLE	E
AC	AIR CONDITIONER	AC
	ELECTRIC OUTLET	
	BOLLARD	
SD	STORM DRAIN MANHOLE / DROP INLET	SD
	CATCH BASIN	
	WATER VALVE	
	IRRIGATION CONTROL VALVE WATER	
	METER	
	WATER SPIGOT / HOSE BIB WATER	
	MANHOLE	
	WATER VAULT	
	FIRE HYDRANT	
GV	GAS VALVE	
GM	GAS METER	GM
T	TELEPHONE MANHOLE	T
TB	TELEPHONE BOX	TB
TV	TELEPHONE VAULT	TV
	SEWER MANHOLE	
SCO	SEWER CLEANOUT	SCO
	SURVEY MONUMENT	
	CONTROL POINT	
	BARRICADE	
	SIGN	
	RETAINING WALL	
	FENCE	X
	GRADE BREAK	
	FLOW LINE	
	SOIL TEST PIT	
	SECTION CALL OUT	
	COMM LINE	COM
	GAS LINE	GAS
	ELECTRIC LINE	ELEC
	SEWER LINE	SS
	WATER LINE	WL
	AIR LINE	AIR
	STORM DRAIN	SD
	RECLAIMED WATER LINE	RECL W
	PROPERTY BOUNDARY	

ABBREVIATIONS

AC	ASPHALT CONCRETE	MMD	MAXIMUM MARSHALL DENSITY
ACP	ASBESTOS CEMENT PIPE	MUTCD	MANUAL FOR TRAFFIC CONTROL DEVICES
AGG	AGGREGATE	N	NORTH
BC	BEGIN CURVE (HORIZONTAL)	NAP	NOT A PART
BCR	BEGIN CURB RETURN	NIP	NOT IN PROJECT
BOW	BOTTOM OF WALL	NTS	NOT TO SCALE
BF, BOF	BOTTOM OF FOOTING	OAE	OR APPROVED EQUAL
BV	BUTTERFLY VALVE	OC	ON CENTER
BVC	BEGIN VERTICAL CURVE	OD	OUTSIDE DIAMETER
BW	BACK OF WALK	OH	OVERHEAD
CB	CATCH BASIN	(P)	PROPOSED
c/s	CUBIC FEET PER SECOND	PCC	PORTLAND CEMENT CONCRETE, POINT OF
CF	CUBIC FEET		COMPOUND CURVATURE
C&G	CURB AND GUTTER	PG	PAD GRADE
℄	CENTER LINE	PI	POINT OF INTERSECTION
CL	CLASS / CENTER LINE	PIVC	POINT OF INTERSECTION VERTICAL CURVE
CMP	CORRUGATED METAL PIPE	PL	PROPERTY LINE
COMP	COMPACTION	PP	POWER POLE
CONC	CONCRETE	PRC	POINT OF REVERSE CURVE
CONTR	CONTRACTOR	PRVC	POINT OF REVERSE VERTICAL CURVE
CP	CONCRETE PAD	PVC	POLYVINYL CHLORIDE
CTV	CABLE TELEVISION	PVMT	PAVEMENT
DI	DROP INLET	Q 5	5 YEAR PEAK FLOW
DIA, Ø	DIAMETER	Q 100	100 YEAR PEAK FLOW
DWY	DRIVEWAY	R	RADIUS
E	EAST	RCP	REINFORCED CONCRETE PIPE
EA	EACH	REF	REFERENCE
EC	END CURVE (HORIZONTAL)	RET	CURB RETURN
ECR	END CURB RETURN	RP	RADIUS POINT
ELL	ELBOW	RT	RIGHT
ELEC	ELECTRICAL	R/W, ROW	RIGHT-OF-WAY
ELEV	ELEVATION	S=	SLOPE
EVC	END VERTICAL CURVE	S	SOUTH
EX, (E)	EXISTING	SD	STORM DRAIN
EXT	EXTERIOR	SDMH	STORM DRAIN MANHOLE
FCA	FLANGE COUPLING ADAPTER	SL	STREET LIGHT
FE	FINISH ELEVATION	SS	SANITARY SEWER
FES	FLARED END SECTION	SSCO	SANITARY SEWER CLEAN OUT
FF	FINISH FLOOR	SSMH	SANITARY SEWER MANHOLE
FFC	FRONT FACE OF CURB	SSPWC	STANDARD SPEC. FOR PUBLIC WORKS
FG	FINISH GRADE		CONSTRUCTION
FH	FIRE HYDRANT	STA	STATION
FL	FLOW LINE	SW	SIDEWALK
FLG	FLANGE	TELE	TELEPHONE
fps	FEET PER SECOND	TBO	TEMPORARY BLOW OFF VALVE
FTG	FOOTING	TC	TOP OF CURB, TOP OF CONC
G	GAS	TCSB	TRAFFIC CONTROL SIGNAL BOX
GALV	GALVANIZED	TG	TO GRADE
GB	GRADE BREAK	TOB	TOP OF BERM
GDW	GRAVEL DRIVEWAY	TF, TOF	TOP OF FOOTING
GD	GROUND	TOW	TOP OF WALL
GV	GATE VALVE	TS	TRAFFIC SIGNAL
H	HANDICAPPED	TR	TOP OF RAIL
HGL	HYDRAULIC GRADE LINE	TRANS	TRANSITION
HORIZ	HORIZONTAL	TYP	TYPICAL
HP	HIGH POINT	UGP	UNDER GROUND POWER
ID	INSIDE DIAMETER	UNO	UNLESS NOTED OTHERWISE
IE	INVERT ELEVATION	V 5	VELOCITY AT 5 YEAR PEAK
INT	INTERSECTION	VC	VERTICAL CURVE
IRR	IRRIGATION	VEL	VELOCITY
LAT	LATERAL	VERT	VERTICAL
LF	LINEAR FEET	VG	VALLEY GUTTER
LP	LOW POINT	W	WEST
LT	LEFT	W/G	WATER AND GAS
LVC	LENGTH OF VERTICAL CURVE	WL	WATER LINE
MAX	MAXIMUM	WM	WATER METER
MDD	MAXIMUM DRY DENSITY	WS	WATER SURFACE
MH	MANHOLE	WV	WATER VALVE
MIN	MINIMUM	WWF	WELDED WIRE FABRIC
MJ	MECHANICAL JOINT	YR	YEAR

CCWD NOTES:

GENERAL NOTES:

1. ALL SEWER AND WATER WORK SHALL BE DONE UNDER THE INSPECTION OF CALAVERAS COUNTY WATER DISTRICT (CCWD).
2. CONTRACTOR IS RESPONSIBLE FOR CONDUCTING A SURVEY, STAKING PROPERTY AND EASEMENT LINES, AND CONSTRUCTION STAKING.
3. CONNECTIONS TO EXISTING WATER OR SEWER FACILITIES SHALL HAVE PRIOR APPROVAL AND BE DONE IN ACCORDANCE WITH CCWD TIE-IN PROCEDURES, PLANS AND SPECIFICATIONS.
4. CONTRACTOR SHALL INSTALL, OPERATE, AND MAINTAIN BYPASS PIPING/PUMPING TO DIVERT SEWER FLOWS DURING CONSTRUCTION AS REQUIRED IN ACCORDANCE WITH PROJECT PLANS, SPECIFICATIONS AND CONTRACT DOCUMENTS.
5. THE CONTRACTOR SHALL HAVE A COPY OF CCWD APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS ON SITE. SPECIFICATIONS, SPECIFIC NOTES, AND DETAIL DRAWINGS TAKE PRECEDENCE OVER THE GENERAL DRAWINGS AND PLANS UNLESS OTHERWISE DIRECTED BY THE DISTRICT ENGINEER. ANY DEVIATION FROM APPROVED PLANS DURING CONSTRUCTION WILL REQUIRE PRIOR WRITTEN NOTICE TO CCWD, OTHER APPROPRIATE PUBLIC AGENCIES, AND SHALL RECEIVE APPROVAL BY CCWD.
6. ONLY CCWD PERSONNEL SHALL OPERATE EXISTING FACILITIES.
7. SEWER FORCE MAIN SHALL BE FLUSHED, TESTED, AND INSTALLED IN ACCORDANCE WITH CCWD'S STANDARDS. THE TEST PRESSURE SHALL BE 150 PSI OR 50 PSI GREATER THAN DESIGN PRESSURE OF THE SYSTEM, WHICHEVER IS GREATER, MEASURED AT THE LOWEST POINT OF THE SECTION OF THE PRESSURE ZONE BEING TESTED. LEAKAGE TEST FOR SEWER FORCE MAIN SHALL FOLLOW PROCEDURES SET FORTH IN TECHNICAL SPECIFICATION.
8. LIDS FOR SEWER FACILITIES SHALL BE MARKED "SEWER"
9. CURBS SHALL BE MARKED WITH AN "s" BRAND WHERE SEWER SERVICES INTERCEPT. PADDLE MARKERS SHALL BE INSTALLED PER DETAIL G12A FOR ALL GATE VALVES, BLOW OFFS, AIR VALVES AND MANHOLES.
10. NO SERVICES SHALL BE INSTALLED IN DRIVEWAYS.
11. NOT ALL TREES ARE SURVEYED AND SHOWN ON THE DRAWINGS. PRIOR TO SUBMITTING A BID, CONTRACTOR SHALL FIELD INSPECT PIPELINE ROUTE AND OTHER AREAS OF PROJECT TO ASSESS CLEARING OF TREES, BRUSH AND OTHER VEGETATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY TREES REQUIRED TO BE REMOVED FOR CONSTRUCTION NOT SHOWN IN THE CONTRACT DOCUMENTS AND HAVE APPROVAL FROM THE ENGINEER PRIOR TO REMOVAL.
12. ALL NEW EXPOSED DUCTILE IRON PIPING AND VALVES WITHIN THE WET WELLS, VALVE VAULTS, METER VAULTS AND BY-PASS VAULTS SHALL BE FUSION BONDED EPOXY COATED.
13. CONTRACTOR SHALL INSTALL CONCRETE THRUST BLOCKS AT ALL NEW TEES, CROSSES, 45° AND 90° BENDS PER CCWD STANDARD DRAWING W01.
14. CONTRACTOR SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE STATE CONSTRUCTION SAFETY ORDERS.
15. CONTRACTOR SHALL SECURE THE WORK AREA AT ALL TIMES TO PROTECT THE PUBLIC.
16. NO MATERIALS SHALL BE STORED OR STOCKPILED IN ROAD RIGHT-OF-WAY UNLESS APPROVED BY CALAVERAS COUNTY PUBLIC WORKS.
17. CONTRACTOR SHALL IMMEDIATELY REPORT ANY SOIL OR WATER CONTAMINATION NOTICED DURING CONSTRUCTION TO THE INSPECTOR.
18. ALL EXCAVATION SHALL BE LOADED DIRECTLY INTO TRUCKS AND HAULED TO A DISPOSAL SITE. FOR DISPOSAL OF EXCAVATION SPOILS GREATER THAN 50 CUBIC YARDS. THE DISPOSAL SITE IS REQUIRED TO HAVE GRADING PERMIT FROM CALAVERAS COUNTY PUBLIC WORKS.
19. CONTRACTOR SHALL RESTORE CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS, RAMPS, PAVING AND OTHER SURFACE FEATURES UNDER THE COUNTY'S JURISDICTION AND UNDER HOMEOWNER'S ASSOCIATION JURISDICTION DISTURBED BY THE WORK IN ACCORDANCE WITH COUNTY STANDARDS.
20. CONTRACTOR OPERATIONS SHALL BE CONTROLLED TO PREVENT NUISANCES TO PUBLIC AND PRIVATE OWNERSHIPS DUE TO DUST, DRAINAGE, REMOVAL OF NATURAL SUPPORT OF LAND AND STRUCTURES, ENCROACHMENT, NOISE, AND/OR VIBRATION IN ACCORDANCE WITH CALAVERAS COUNTY NOISE ORDINANCE REQUIREMENTS.
21. NORMAL WORKING HOURS ARE MONDAY TO FRIDAY FROM 7AM TO 5:30PM EXCEPT FOR DISTRICT HOLIDAYS LISTED IN SPECIFICATIONS
22. ALL DUCTILE IRON PIPING LOCATED WITHIN 20' OF A VALVE OR FITTING, ON EITHER SIDE, SHALL BE RESTRAINED.

NOTES:

GENERAL

1. ALL WORK SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AS ADOPTED BY THE GOVERNING AGENCY.
2. THE CONTRACTOR SHALL REFER TO THE STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION, AS ADOPTED BY THE PERMITTING ENTITY, FOR ALL DETAILING NOT SHOWN ON THESE PLANS.
3. CONSTRUCTION SHALL COMPLY WITH THESE PLANS AND CURRENT CALTRANS STANDARD PLANS/SPECIFICATIONS (STANDARD SPECIFICATIONS) AND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ARRANGING A PRE-CONSTRUCTION JOB SITE CONFERENCE WITH GOVERNING AGENCIES, ALL UTILITY COMPANIES, OWNER'S REPRESENTATIVES, AND THE PROJECT ENGINEER PRIOR TO COMMENCING WORK. THIS MEETING SHALL BE HELD AT LEAST FORTY-EIGHT (48) HOURS, OR TWO (2) BUSINESS DAYS, PRIOR TO THE START OF CONSTRUCTION AND SHALL COMMUNICATE SCHEDULES, CONTRACTOR'S MEAN AND METHODS, MATERIALS TO BE USED, AND OTHER RELEVANT MATTERS ASSOCIATED WITH THE CONSTRUCTION OF THE PROJECT.
5. ALL WORK EITHER DIRECTLY OR INDIRECTLY RELATED TO THE PROJECT SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY SYSTEM MANAGER.
6. THE CONTRACTOR SHALL MAINTAIN AN ONSITE RECORD COPY OF ALL DRAWINGS, SPECIFICATIONS, ADDENDA, CHANGE ORDERS, WORK CHANGE DIRECTIVES, FIELD ORDERS, FIELD CHANGES, AND WRITTEN INTERPRETATIONS AND CLARIFICATIONS. RECORDS SHALL BE IN GOOD ORDER AND ANNOTATED TO SHOW CHANGES MADE DURING CONSTRUCTION.
7. CONTRACTOR SHALL PROVIDE MATERIALS AND EQUIPMENT SUBMITTALS AND/OR SHOP DRAWINGS TO THE PROJECT ENGINEER FOR REVIEW PRIOR TO ORDERING OR INSTALLATION. A STAMPED SET OF REVIEWED SUBMITTALS MUST ALWAYS BE AVAILABLE ONSITE DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT AT 1-800-642-2444 TO PROVIDE FIELD LOCATIONS OF UNDERGROUND UTILITIES PRIOR TO THE START OF CONSTRUCTION.
9. THE LOCATION OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE ENGINEER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY PROPOSED POINTS OF CONNECTION AND IN AREAS OF POSSIBLE CONFLICT WITH NEW UTILITY INSTALLATION PRIOR TO BECOMING CONSTRUCTION. SHOULD THE CONTRACTOR FIND ANY DISCREPANCIES BETWEEN THE CONDITIONS EXISTING IN THE FIELD AND THE INFORMATION SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND MAINTAIN ALL EXISTING UTILITIES WHETHER OR NOT SHOWN ON THIS PLAN.
10. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROCURE ALL NECESSARY PERMITS, LICENSES, INSURANCE POLICIES, ETC. AS MAY BE NECESSARY TO COMPLY WITH LOCAL, COUNTY, STATE, AND FEDERAL LAWS ASSOCIATED WITH THE PERFORMANCE OF THE WORK, UNLESS OTHERWISE OBTAINED BY THE OWNER.
11. THE CONTRACTOR SHALL PREPARE A TRAFFIC CONTROL PLAN AND PROVIDE, PLACE, AND MAINTAIN ALL LIGHTS, SIGNS, BARRICADES, FLAG PERSONS, PILOT CAR, OR OTHER DEVICES NECESSARY TO CONTROL TRAFFIC THROUGH THE CONSTRUCTION AREA AND FOR PUBLIC SAFETY. ALL TRAFFIC CONTROL OPERATIONS SHALL COMPLY WITH THE LATEST MUTCD. AT NO TIME WILL OBSTRUCTIONS BE LEFT IN THE ROADWAY DURING NIGHT HOURS. ALL TRAFFIC CONTROL PLANS SHALL BE PREPARED BY A REGISTERED CIVIL ENGINEER OR ATTSA CERTIFIED PERSONNEL.
12. THE CONTRACTOR AGREES TO ASSUME SOLE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, AND FURTHER AGREES THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS IN ACCORDANCE WITH THE PROVISIONS OUTLINED BY THE PROJECT CONTROL AND THE STANDARD SPECIFICATIONS.
13. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE PROVISIONS OF CAL-OSHA.
14. THE CONTRACTOR SHALL PURSUE THE WORK IN A CONTINUOUS AND DILIGENT MANNER, CONFORMING TO ALL THE PERTINENT SAFETY REGULATIONS TO ENSURE A TIMELY COMPLETION OF THE PROJECT.
15. THE CONTRACTOR SHALL MAINTAIN A CLEAN PROJECT SITE, REMOVING CONSTRUCTION DEBRIS AT THE END OF EACH WORKING DAY. CONTRACTOR SHALL MAINTAIN DEBRIS FREE CONSTRUCTION ROUTES, ADJACENT STREETS AND STORM DRAIN SYSTEMS.
16. TEMPORARY CONSTRUCTION FENCING SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR THROUGHOUT THE DURATION OF THE PROJECT IN AREAS AS DELINEATED ON THE PLANS OR AS DIRECTED BY THE PROJECT ENGINEER. THE TEMPORARY FENCING SHALL PREVENT CHILDREN AND PETS FROM ENTERING THE CONSTRUCTION AREA, CREATE A VISUAL BARRIER OF ALL CONSTRUCTION ACTIVITIES FROM THE ADJACENT RESIDENCE AND YARDS, AND PROTECT VEGETATION FROM CONSTRUCTION EQUIPMENT.
17. THE CONTRACTOR SHALL USE ONLY AUTHORIZED SITES FOR STORAGE OF EQUIPMENT AND MATERIALS AND OBTAIN PROPER APPROVALS FROM THE LAND OWNER AND LOCAL GOVERNING AUTHORITY TO DO SO. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SECURITY OF ALL EQUIPMENT AND MATERIALS.
18. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MONUMENTS AND OTHER SURVEY MARKERS DURING CONSTRUCTION. IN THE EVENT A MONUMENT IS DISTURBED, THE CONTRACTOR SHALL HAVE THE MONUMENT REPLACED, AT HIS OWN EXPENSE, BY A LICENSED SURVEYOR IN THE STATE OF THE PROJECT SITE.
19. CONSTRUCTION STAKING SHALL BE COMPLETED BY CONTRACTOR AND SHALL PROVIDE STAKES FOR INSPECTION BY OWNER AND CUT SHEETS SHALL BE PROVIDED TO OWNER. ALL CONSTRUCTION STAKING SHALL INCLUDE ELEVATIONS AND INVERTS.
20. CONSTRUCTION HOURS SHALL BE WEEKDAYS BETWEEN 7:00 AM AND 5:30 PM UNLESS OTHERWISE DICTATED BY LOCAL ORDINANCE, NO NIGHT WORK IS ALLOWED.
21. ALL FIELD CHANGES MUST BE PRE-APPROVED BY THE PROJECT ENGINEER.
22. SHOULD IT APPEAR THAT THE WORK TO BE DONE, OR ANY MATTER RELATIVE THERETO, IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER FOR SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY.
23. ALL SALVAGED MATERIALS ARE THE PROPERTY OF THE OWNER AND SHALL BE PALLETIZED ONSITE UNLESS OTHERWISE ARRANGED WITH THE OWNER AND/OR PROJECT ENGINEER.
24. THE OWNER IS RESPONSIBLE FOR FURNISHING QUALIFIED SITE INSPECTIONS AS REQUIRED TO COMPLY WITH LOCAL ORDINANCES.
25. A GEOTECHNICAL INVESTIGATION WAS PERFORMED ON THIS PROJECT. ALL RECOMMENDATIONS INCLUDED IN THE REPORT ARE HEREBY MADE A PART OF THE CONSTRUCTION DOCUMENTS. INSPECTION AND TESTING DURING CONSTRUCTION SHALL BE REQUIRED IN ACCORDANCE WITH THE RECOMMENDATIONS CONTAINED WITHIN THE REPORT BY THE CONTRACTOR.
    TITLE: HUCKLEBERRY PUMP STATION REPLACEMENT
    PREPARED BY: LUMOS & ASSOCIATES, INC.
    DATE: AUGUST 2024
26. CONTRACTOR TO FOLLOW CALAVERAS COUNTY NOISE ORDINANCES FOR ALL CONSTRUCTION ACTIVITIES INCLUDING BYPASS AND DEWATERING PUMPING.

UNDERGROUND UTILITIES

27. THE CONTRACTOR SHALL FIELD VERIFY UTILITY LOCATIONS NEAR OR WITHIN THE CONSTRUCTION LIMITS WITH THE RESPECTIVE UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ARRANGE FOR THE NECESSARY RELOCATION OF ANY UTILITY. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO BEGINNING WORK.
28. NO OTHER UTILITIES MAY BE PLACED IN A WATER OR SEWER TRENCH.
29. ALL VALVE BOXES, MANHOLE STRUCTURES, AND CLEAN OUTS SHALL BE MARKED AND ACCESSIBLE AT ALL TIMES.
30. CONTRACTOR SHALL SUPPORT TRENCH SIDEWALLS IN ACCORDANCE WITH ALL APPLICABLE LAWS AND GOVERNING SAFETY REGULATIONS. SHEETING OR SHORING SHALL CONFORM TO LOCAL REGULATIONS, CAL-OSHA NOTES, AND BE DESIGNED BY A PROFESSIONAL ENGINEER.
31. ENDS OF UNFINISHED PIPE SHALL BE SEALED AT THE END OF EACH DAY.
32. PIPE SHALL BE LAID IN THE UPHILL DIRECTION. WITH BELL ENDS UPHILL.
33. THE CONTRACTOR SHALL COORDINATE ALL WATER MAIN SHUT DOWNS AND TIE-INS WITH THE WATER UTILITY A MINIMUM OF FORTY-EIGHT (48) HOURS OR TWO (2) BUSINESS DAYS IN ADVANCE.
34. ALL UNDERGROUND VALVES, TEES, FITTINGS, ETC. LARGER THAN 2" SHALL BE COATED TO PROTECT AGAINST CORROSION. SEE SPECIFICATION 09 90 00 FOR COATING.
35. ALL WATER PROJECT MATERIAL (PIPES, VALVES, LATERALS AND APPURTENANCES) SHALL BE LEAD FREE AND MEET THE MINIMUM REQUIREMENTS OF NSF/ANSI 61.
36. ALL THRUST BLOCKS SHALL BE INSPECTED PRIOR TO BACK-FILL.
37. ALL BOLTS AT THRUST BLOCKS AND VALVE SADDLES SHALL BE COVERED WITH VISQUEEN AND TAPED PRIOR TO CONCRETE PLACEMENT.
38. ALL NEW PVC PIPE SHALL BE TESTED PER AWWA C605 AND ALL NEW DUCTILE IRON PIPE AND FITTINGS SHALL BE TESTED FOR AWWA C600-17.
39. CONTRACTOR SHALL CONDUCT PIPING TESTS BEFORE JOINTS ARE COVERED AND AFTER THRUST BLOCKS HAVE HARDENED SUFFICIENTLY. FILL PIPELINE 24 HOURS BEFORE TESTING AND APPLY TEST PRESSURE TO STABILIZE SYSTEM. USE ONLY POTABLE WATER. REFERENCE CCWD NOTES FOR FORCE MAIN TESTING.
40. CONTRACTOR SHALL PERFORM PLASTIC PIPE BALL AND MANDREL TEST ON NEWLY INSTALLED SEWER PIPE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
41. CONTRACTOR SHALL PERFORM AIR PRESSURE TESTING ON NEWLY INSTALLED SEWER PIPE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTIONS.

GRADING, EXCAVATION & SURFACE IMPROVEMENTS

42. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING THEIR OWN QUANTITY TAKE-OFF AND SHALL BUDGET THE PROJECT ACCORDINGLY. ALL EXCESS GRADING MATERIALS SHALL BE DISPOSED OF OFFSITE AT AN APPROVED LOCATION IN COORDINATION WITH CCWD.
43. ALL EARTHWORK ACTIVITIES SHALL BE IN ACCORDANCE WITH THE PROJECT'S GEOTECHNICAL REPORT.
44. THE SOILS ENGINEER SHALL APPROVE ALL EARTHWORK AND GRADING TO CONFIRM COMPACTION REQUIREMENTS ARE MET.
45. CONTRACTOR SHALL PROTECT EXISTING PAVING, CONCRETE, LANDSCAPING, FENCING, MAILBOXES, SIGNS AND ANY OTHER IMPROVEMENTS NOT SPECIFICALLY CALLED OUT FOR REPLACEMENT. CONTRACTOR SHALL REPAIR/REPLACE ANYTHING DAMAGED BY FORCES UNDER THEIR EMPLOY OR CONTRACT.
46. ALL ASPHALT CONCRETE SURFACES SHALL BE SAWCUT ONE FOOT MINIMUM INSIDE THE EDGE OF PAVEMENT TO A NEAT, STRAIGHT LINE AND REMOVED. THE EXPOSED PAVEMENT TIE-IN EDGE SHALL BE METICULOUSLY CLEANED OF ALL LOOSE MATERIAL AND THEN TREATED WITH BITUMINOUS EMULSION PRIOR TO PAVING. THE EXPOSED BASE MATERIALS SHALL BE GRADED AND RECOMPACTED PRIOR TO PAVING.

ENVIRONMENTAL

47. ALL CONSTRUCTION SHALL BE PERFORMED IN COMPLIANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES). CONTRACTOR IS RESPONSIBLE FOR ACQUIRING AND MAINTAINING A SWPPP.
48. INSTALLATION AND MAINTENANCE OF EROSION CONTROL MEASURES ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREVENTION OF EROSION AND SILTATION FROM ENTERING THE STORM DRAIN SYSTEM OR EACH ACTIVITY DAY. THESE COURSES, AND/OR INTRUDING UPON ADJACENT ROADWAYS AND PROPERTIES. EROSION CONTROL MEASURES SHOWN ON THESE PLANS ARE INTENDED AS A GUIDE. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS DETERMINED IN THE FIELD. THIS RESPONSIBILITY SHALL APPLY THROUGHOUT THE COURSE OF CONSTRUCTION AND UNTIL ALL DISTURBED AREAS HAVE BECOME STABILIZED AND SHALL NOT BE LIMITED TO WET WEATHER PERIODS. THE CONTRACTOR IS RESPONSIBLE FOR SWPPP UPDATES.
49. THE CONTRACTOR SHALL IMPLEMENT A DUST CONTROL PROGRAM INCLUDING WATERING OF OPEN AREAS, TO CONFORM WITH THE LATEST FEDERAL, STATE, AND COUNTY AIR POLLUTION REGULATIONS. CONTRACTOR IS RESPONSIBLE FOR OBTAINING DUST CONTROL PERMITS FOR THE PROJECT.
50. THE CONTRACTOR SHALL IDENTIFY A STANDBY CREW FOR EMERGENCY WORK AND THEY SHALL BE AVAILABLE AT ALL TIMES. MATERIAL NECESSARY TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES OR TO REPAIR DAMAGED EROSION CONTROL MEASURES SHALL BE AVAILABLE ON-SITE AND STOCKPILED AT APPROVED LOCATIONS.
51. PROTECTIVE MEASURES AND TEMPORARY DRAINAGE PROVISIONS SHALL BE USED TO PROTECT ADJOINING PROPERTIES DURING CONSTRUCTION OF IMPROVEMENTS.
52. AFTER A RAINSTORM, ALL SILT AND DEBRIS SHALL BE REMOVED FROM CHECK BERMS AND DESILTING FACILITIES. GRADED SLOPE SURFACE PROTECTION MEASURES DAMAGED DURING THE RAINSTORM SHALL ALSO BE REPAIRED.
53. FILL SLOPES AT THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE TOP OF THE SLOPE AT THE END OF EACH WORKING DAY.
54. ALL DISTURBED AREAS ARE REQUIRED TO HAVE A PALLIATIVE APPLIED FOR DUST CONTROL. ALL GRADING SHALL COMPLY WITH STATE AND COUNTY REGULATIONS.
55. A SIX-FOOT HIGH PERIMETER FENCE OR A 24-HOUR GUARD SHALL BE POSTED ON THE SITE WHENEVER THE DEPTH OF WATER IN A FACILITY EXCEEDS 18".
56. ALL AREAS DISTURBED BECAUSE OF THE WORK SHALL BE REVEGETATED IN ACCORDANCE WITH INDUSTRY BEST MANAGEMENT PRACTICES.
57. NO CONSTRUCTION MATERIALS SHALL BE STORED IN A STREAM ENVIRONMENT ZONE (SEZ) AT ANY TIME.
58. THE CONTRACTOR SHALL PREPARE A DEWATERING PLAN, AND OBTAIN APPROVAL FROM THE PROJECT ENGINEER PRIOR TO START OF WORK. DEWATERING ACTIVITIES MAY REQUIRE THE CONTRACTOR TO OBTAIN A DISCHARGE/PUMPING PERMIT FROM THE STATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN SUCH PERMITS. DEWATERING DISCHARGE MAY BE ALLOWED TO DISCHARGE INTO SEWER SYSTEM WITH SEDIMENT SEPARATION AND LIMITED BY DRY WEATHER AND HUCKLEBERRY CAPACITY.
59. ALL STREETS SHALL BE MAINTAINED FREE OF DUST AND MUD CAUSED BY GRADING OPERATIONS.
60. THE FOLLOWING IS A NON-COMPREHENSIVE LIST OF ANTICIPATED DEFERRED SUBMITTALS IN WHICH THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER PRIOR TO ORDERING PARTS OR PERFORMING RELATED WORK. ADDITIONAL DEFERRED SUBMITTALS MAY BE REQUIRED AS DESCRIBED WITHIN THE CONTRACT DOCUMENTS.
    60.1. BYPASS PLAN
    60.2. DEWATERING PLAN
    60.3. CANTILEVER SLIDING GATE
    60.4. POLYMER MANHOLE CUSTOM BASE
    60.5. PIPE SUPPORTS

811 Know what's below. Call before you dig.

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CALAVERAS COUNTY WATER DISTRICT

HUCKLEBERRY LIFT STATION

NOTES ABBREVIATIONS AND LEGEND

VALLEY SPRINGS — CALAVERAS COUNTY — CALIFORNIA

REV	DATE	DESCRIPTION	BY
		100% DESIGN FOR BID AUGUST 2025	

BAR IS 1 INCH ON ORIGINAL DRAWING

0" 1"

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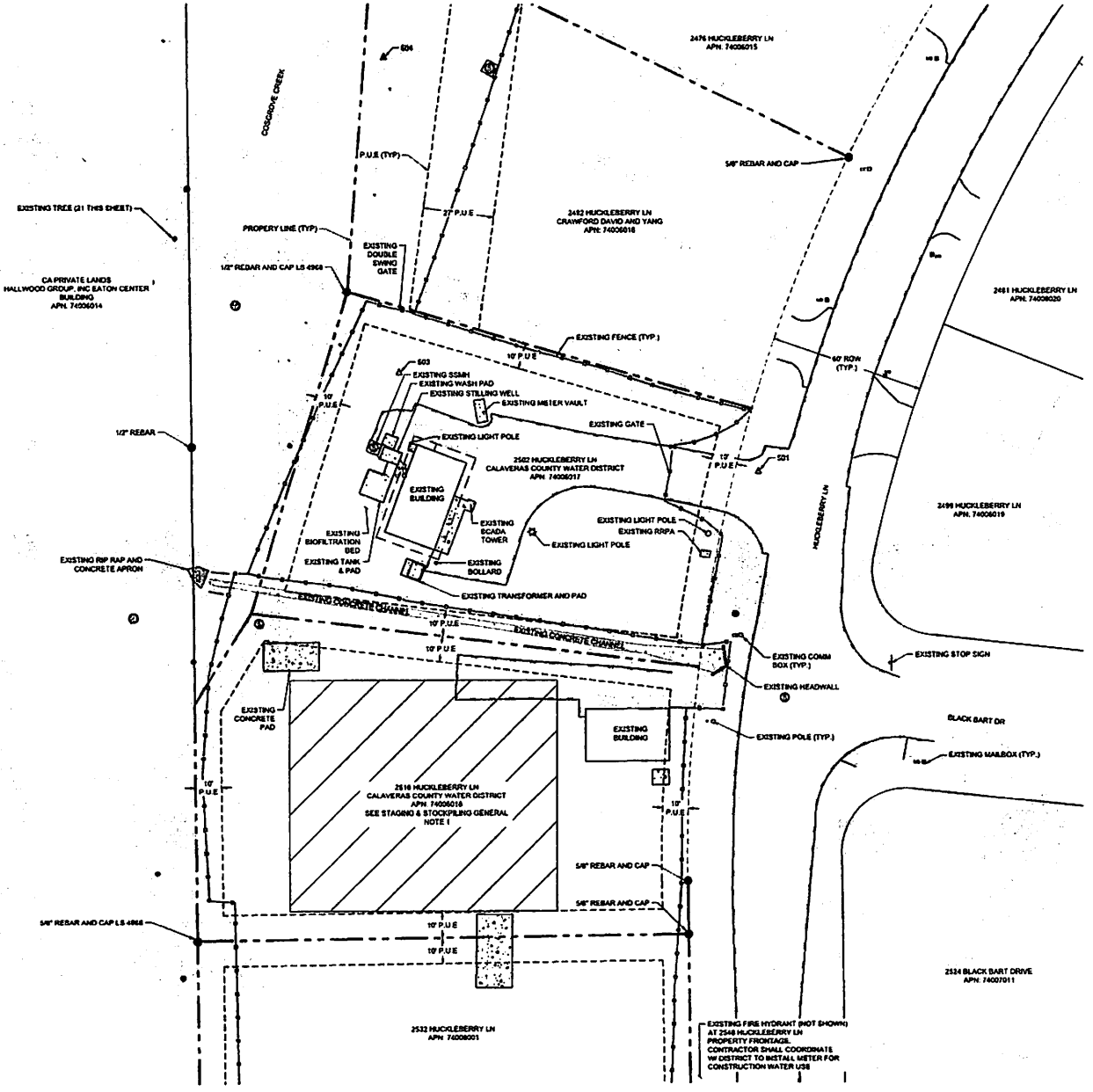
CHECKED BY: MO
JOB NO.: 11306.000



PROJECT CONTROL

POINT #	ELEVATION	NORTHING	EASTING	DESCRIPTION
501	594.82	2246250.00	6465868.95	CP SET MAG IN AC
503	592.36	2246283.65	6465730.44	CP SET 60D
504	588.13	2246410.96	6465724.75	CP SET 60D
NOT SHOWN				
500	595.80	2245861.91	6465862.08	CP SET MAG IN AC
502	583.94	2245955.60	6465644.03	CP SET 60D

SITE INFORMATION

2482 HUCKLEBERRY LANE
CALAVERAS COUNTY WATER DISTRICT
A.P.N 740-060-17

NOTES

1. THIS SHEET IS PROVIDED FOR INFORMATION ONLY, SHOWING EXISTING CONDITIONS AT THE TIME OF SURVEY.
2. FIELD WORK WAS PERFORMED ON AUGUST 06, 2024.
3. EASEMENTS MAY EXIST THAT ARE NOT SHOWN HEREON
4. THIS IS NOT A BOUNDARY SURVEY. BOUNDARY SHOWN BY RECORD INFORMATION.
5. REFERENCE TITLE SHEET FOR BASIS OF BEARING AND ELEVATION INFORMATION.
6. SURVEY CONTROL INFORMATION MAY CONTAIN DISCREPANCIES AND, UPON TRANSFER, THE ACCURACY OF ALL SURVEY CONTROL INFORMATION SHOULD BE CHECKED AND VERIFIED BY A PROFESSIONAL LAND SURVEYOR OR PROFESSIONAL CIVIL ENGINEER LICENSED BY THE STATE OF CALIFORNIA, CONSISTENT WITH CALIFORNIA BUSINESS AND PROFESSIONS CODE (BPC) CHAPTER 15 (§8700-8805) (THE PROFESSIONAL LAND SURVEYORS ACT), BPC CHAPTER 7 (§6700-6799) (THE PROFESSIONAL ENGINEERS ACT).
7. SHOULD THE RECIPIENT PERFORM ANY LAND SURVEYING THAT IS GOVERNED BY THE CODES REFERENCED ABOVE, THOSE FUNCTIONS SHALL BE PERFORMED IN ACCORDANCE WITH SUCH CODES AND UNDER THE RESPONSIBLE CHARGE OF A PROFESSIONAL LAND SURVEYOR OR A PROFESSIONAL CIVIL ENGINEER (WHERE APPLICABLE), AND THE STANDARD OF CARE FOR THE PRACTICE OF LAND SURVEYING.
8. THE USE OF ANY SURVEY CONTROL INFORMATION TO LOCATE, RELOCATE, ESTABLISH, RE-ESTABLISH OR RETRACE ANY PROPERTY LINE OR BOUNDARY OF ANY TRACT OF LAND OR ANY ROAD, RIGHT-OF-WAY, EASEMENT, ALIGNMENT OR ELEVATION OF ANY OF THE FIXED WORKS EMBRACED WITHIN THE PRACTICE OF PROFESSIONAL ENGINEERING AS DESCRIBED BY THE STATE OF CALIFORNIA, CONSISTENT WITH CALIFORNIA BUSINESS AND PROFESSIONS CODE (BPC) CHAPTER 15 (§8700-8805) (THE PROFESSIONAL LAND SURVEYORS ACT), BPC CHAPTER 7 (§6700-6799) (THE PROFESSIONAL ENGINEERS ACT), ADDITIONALLY, THE CREATION, PREPARATION, OR MODIFICATION OF ELECTRONIC OR COMPUTERIZED DATA IN THE PERFORMANCE OF THESE ACTIVITIES IS SIMILARLY REGULATED BY THE PROFESSIONAL LAND SURVEYORS ACT(S). THESE ACTIVITIES MAY ONLY BE PERFORMED BY PERSONS UNDER THE RESPONSIBLE CHARGE OF A PROFESSIONAL LAND SURVEYOR OR PROFESSIONAL CIVIL ENGINEER (WHERE APPLICABLE).

STAGING & STOCKPILING

2516 HUCKLEBERRY LANE
CALAVERAS COUNTY WATER DISTRICT
A.P.N 740-060-18

GENERAL NOTE

1. STAGING AND STOCKPILING AREA COORDINATE WITH OWNER AND MAINTAIN BUILDING ACCESS.
2. SEE SHEET C5.0 FOR TEMPORARY ACCESS BRIDGE
3. RESIDENTIAL AREA, NO WORK PERMITTED PRIOR TO 7AM.

SHEET LEGEND:

STAGING AND STOCKPILING AREA

0 20' 40'
22x34 SHEETS 1" = 20'
11x17 SHEETS 1" = 40'

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CALAVERAS COUNTY WATER DISTRICT

HUCKLEBERRY LIFT STATION
-
EXISTING SITE PLAN AND SURVEY CONTROL

VALLEY SPRINGS — CALAVERAS COUNTY — CALIFORNIA

REV	DATE	DESCRIPTION	BY

100% DESIGN
FOR BID
AUGUST 2025

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C1.2

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DESIGNED BY	DH
CHECKED BY	BJO
JOB NO.:	11386 000

LIFT STATION EQUIPMENT AND MATERIAL SCHEDULE:

000 - PUMPS AND MISCELLANEOUS					
TAG NO.	DESCRIPTION	SUGGESTED MODEL (OR APPROVED EQUAL)	DETAIL	QT	UNIT
001	HIGH FLOW SUBMERSIBLE SOLIDS HANDLING PUMP	REFERENCE BASIS OF DESIGN TABLE, SEE NOTE 23		2	EA
002	LOW FLOW SUBMERSIBLE SOLIDS HANDLING PUMP	REFERENCE BASIS OF DESIGN TABLE, SEE NOTE 23		2	EA
003	CLAMP ON FLOW METER	EMERSON FLEXIM F731WD		1	EA
004	ADJUSTABLE PIPE SUPPORT	SEE STRUCTURAL DETAILS AND SPECS SECTION 22 05 29		PER STRUCT	EA
005	EPDM MODULAR SEAL	LINK-SEAL, MODEL S-316 WRAP-IT LINK, TYPE WL-SS	G06/C9.0	19	EA
006	6" SCREENED DUCTILE IRON AIR VENT, EPOXY COATED, CEMENT UV TOP COAT			2	EA
007	1" REDUCED PRESSURE PRINCIPAL ASSEMBLY W/ ENCLOSURE	FEBCO LF825Y WATTS	W08/C9.0	1	EA
008	NON-FREEZE YARD HYDRANT W/ INTERGRAL HIGH FLOW DOUBLE CHECK BACFLOW PREVENT	WOODFORD Y2	2/C9.2	1	EA
009	REMOVABLE BOLLARD, SCH 40 STEEL		G12/C9.0	13	EA
010	MODULAR SKID-MOUNTED CARBON ADSORBER ODOR CONTROL SYSTEM	INTEGRITY MUNICIPAL SYSTEMS MSC-060	4/C9.5	1	EA
011	VALVE BOX	CHRISTY G5 W/ IRON LID LABELED "SEWER"		3	EA
012	CONCRETE WASHOUT ASSEMBLY		3/C9.3	1	EA
013	WET WELL MIXER ASSEMBLY	SEE NOTE 17 & 23		2	EA
014	LEVEL TRANSMITTER	DWYERMERCOID MODEL PBLT2-5-40-PU	1/C9.5	2	EA
015	ELECTRICAL CABLE TROUGH	SEE NOTE 22		2	EA
016	LEVEL SWITCH	SEE NOTE 26		6	EA
017	DROP BOWL ASSEMBLY	RELINER 30/18R144	5/C9.4	2	EA
018	DUMP STATION		3/C9.5	1	EA

100 - VALVES AND APPURTENANCES					
TAG NO.	DESCRIPTION	SUGGESTED MODEL (OR APPROVED EQUAL)	DETAIL	QT	UNIT
101	2" SEWAGE COMBINATION ARV ASSEMBLY W/ BACKFLUSH KIT, NPT	ARI D-025L SS SERIES	1/C9.3	5	EA
102	2" BALL VALVE, FULL PORT W/ LEVER, SS, NPT		1/C9.3	5	EA
103	4" SWING CHECK VALVE W/ LEVER & WEIGHT, 125# FLG	APCO CVS 6000 SERIES		2	EA
104	4" OS&Y RESILIENT WEDGE GATE VALVE, 125# FLG	MUELLER OR PRATT		2	EA
105	4" OS&Y RESILIENT WEDGE GATE VALVE, RMJ	MUELLER OR PRATT		1	EA
106	4" RESILIENT WEDGE GATE VALVE, 125# FLG	MUELLER OR PRATT		1	EA
107	6" SWING CHECK VALVE W/ LEVER & WEIGHT, 125# FLG	APCO CVS 6000 SERIES		2	EA
108	6" OS&Y RESILIENT WEDGE GATE VALVE, 125# FLG	MUELLER OR PRATT		4	EA
109	6" SURGE RELIEF ANGLE VALVE, 125# FLG	APCO SRA SERIES, EPDM SEAT		1	EA
110	12" RESILIENT WEDGE GATE VALVE, 125# FLG x RMJ W/ BEVEL GEAR	MUELLER OR PRATT		1	EA
111	18" ECCENTRIC FULL PORT PLUG VALVE, RMJ, W/ VALVE EXSTENSION STEM	MUELLER OR PRATT		1	EA

200 - DUCTILE IRON PIPE					
TAG NO.	DESCRIPTION	SUGGESTED MODEL (OR APPROVED EQUAL)	DETAIL	QT	UNIT
201	4" DUCTILE IRON CL 350, CEMENT LINED, EPOXY COATED, FLG	SEE SPECS SECTION 22 13 00, SEE NOTES 10, 11, 12		PER PLANS	LF
202	4" DUCTILE IRON CL 350, CEMENT LINED, EPOXY COATED, FLG x PE	SEE SPECS SECTION 22 13 00, SEE NOTES 10, 11, 12		PER PLANS	LF
203	4" DUCTILE IRON CL 350, CEMENT LINED, EPOXY COATED, PE	SEE SPECS SECTION 22 13 00, SEE NOTES 10, 11, 12		PER PLANS	LF
204	6" DUCTILE IRON CL 350, CEMENT LINED, EPOXY COATED, FLG	SEE SPECS SECTION 22 13 00, SEE NOTES 10, 11, 12		PER PLANS	LF
205	6" DUCTILE IRON CL 350, CEMENT LINED, EPOXY COATED, FLG x PE	SEE SPECS SECTION 22 13 00, SEE NOTES 10, 11, 12		PER PLANS	LF
206	6" DUCTILE IRON CL 350, CEMENT LINED, EPOXY COATED, PE	SEE SPECS SECTION 22 13 00, SEE NOTES 10, 11, 12		PER PLANS	LF
207	12" DUCTILE IRON CL 350, CEMENT LINED, EPOXY COATED, FLG	SEE SPECS SECTION 22 13 00, SEE NOTES 10, 11, 12		PER PLANS	LF
208	12" DUCTILE IRON CL 350, CEMENT LINED, EPOXY COATED, FLG x PE	SEE SPECS SECTION 22 13 00, SEE NOTES 10, 11, 12		PER PLANS	LF
209	12" DUCTILE IRON CL 350, CEMENT LINED, EPOXY COATED, PE	SEE SPECS SECTION 22 13 00, SEE NOTES 10, 11, 12		PER PLANS	LF

300 - DUCTILE IRON FITTINGS					
TAG NO.	DESCRIPTION	SUGGESTED MODEL (OR APPROVED EQUAL)	DETAIL	QT	UNIT
301	3" x 4" ECCENTRIC REDUCER, 125# FLG			2	EA
302	4" DISMANTLING JOINT, 125# FLG	ROMAC DJ400		2	EA
303	4" 90° BEND, 125# FLG			2	EA
304	4" 90° BEND, RMJ			1	EA
305	4" TEE, 125# FLG			2	EA
306	4" RESTRAINED FLANGE COUPLING ADAPTER, 125# FLG	STAR PIPE STARFLANGE OR EBAA MEGAFLANGE		4	EA
307	4" FLEXIBLE RESTRAINED FLANGED COUPLING ADAPTERS	HYMAX GRIP		2	EA
308	4" JOINT RESTRAINT	EBAA MEGAFLANGE		4	EA
309	4" x 2" COMPANION FLANGE, 125# FLG x NPT			2	EA
310	6" 90° BEND, 125# FLG			1	EA
311	6" 90° BEND, RMJ AND THRUST BLOCK			1	EA
312	6" FLEXIBLE RESTRAINED FLANGE COUPLING ADAPTERS	HYMAX GRIP		2	EA
313	6" JOINT RESTRAINT	EBAA MEGALUG RESTRAINTS		2	EA
314	6" TEE, 125# FLG			2	EA
315	6" RESTRAINED FLANGE COUPLING ADAPTER, 125# FLG	EBAA MEGAFLANGE		4	EA
316	6" x 2" COMPANION FLANGE, 125# FLG x NPT			2	EA
317	6" BLIND FLANGE, 125#			1	EA
318	6" DISMANTLING JOINT, 125# FLG	ROMAC DJ400		2	EA
319	12" 90° BEND, RMJ AND THRUST BLOCK			1	EA
320	12" JOINT RESTAINT	EBAA MEGAFLANGE		3	EA
321	12" TEE, 125# FLG			6	EA
322	12" x 6" REDUCING TEE, 125# FLG			1	EA
323	12" RESTRAINED FLANGE COUPLING ADAPTER, 125# FLG	STAR PIPE STARFLANGE OR EBAA MEGAFLANGE		5	EA
324	12" x 4" ECCENTRIC REDUCER, 125# FLG			2	EA
325	12" x 6" CONCENTRIC REDUCER, 125# FLG			2	EA
326	12" x 6" ECCENTRIC REDUCER, 125# FLG			2	EA
327	12" x 2" COMPANION FLANGE, 125# FLG x NPT			1	EA
328	12" CLSM ENCASED REPAIR COUPLING			1	EA
329	12" DUCTILE IRON TAPPING SLEEVE W/ 125# FLG BRANCH OUTLET AND THRUST BLOCK	ROMAC STS 420		1	EA
330	15" CLSM ENCASED REPAIR COUPLING			1	EA
331	18" JOINT RESTRAINT	EBAA MEGAFLANGE		2	EA
332	18" BLIND FLANGE			1	EA
333	18" RESTRAINED FLANGE COUPLING ADAPTER, 125# FLG	STAR PIPE STARFLANGE OR EBAA MEGAFLANGE		1	EA
334	18" FLEXIBLE GRIP COUPLING SLEEVE	HYMAX		2	EA

400 - PLASTIC PIPE AND FITTINGS					
TAG NO.	DESCRIPTION	SUGGESTED MODEL (OR APPROVED EQUAL)	DETAIL	QT	UNIT
401	1" IPS HDPE PIPE, SPOOLED	SEE NOTE 6		AS REQ.	LF
402	2" SCH 40 PVC W/ UV PROTECTIVE COATING, ROUTE TO WET WELL PER PLANS			AS REQ.	LF
403	4" PVC C-900 DR-18 PIPE, RESTRAINED JOINT			PER PLANS	LF
404	6" PVC C-900 DR-18 PIPE, RESTRAINED JOINT			PER PLANS	LF
405	12" PVC SDR 35 PIPE, RESTRAINED JOINT			PER PLANS	LF
406	12" PVC C-900 DR-18 PIPE, RESTRAINED JOINT			PER PLANS	LF
407	15" PVC SDR 26 PIPE, RESTRAINED JOINT			PER PLANS	LF
408	18" PVC C-905 DR-18 PIPE, RESTRAINED JOINT			PER PLANS	LF
409	ODOR CONTROL PIPING, 8" & 12" C900 PVC PIPINGS AND FITTINGS PER PLAN			PER PLANS	LF

500 - PRECAST CONCRETE STRUCTURE AND HATCHES					
TAG NO.	DESCRIPTION	SUGGESTED MODEL (OR APPROVED EQUAL)	DETAIL	QT	UNIT
501	60" ID PRECAST POLYMER CONCRETE MANHOLE	ARMOROCK, SEE PLANS FOR DETAILS	1,2,3/C9.4	1	EA
502	72" ID PRECAST POLYMER CONCRETE MANHOLE CONCENTRIC OR ECCENTRIC PER PLAN	ARMOROCK, SEE PLANS FOR DETAILS	1,2,3/C9.4	2	EA
503	144" ID PRECAST POLYMER CONCRETE WET WELL	ARMOROCK, SEE PLANS FOR DETAILS	1,2,3/C9.4	2	EA
504	60"x54" ALUMINUM, DOUBLE LEAF ACCESS HATCH	USF FABRICATION TPD 54X80 ALUM, SEE NOTE 25		2	EA

MATERIAL NOTES:

1. PUMP STATION FITTINGS ON THE DISCHARGE LINE SHALL HAVE A MINIMUM TEST PRESSURE OF 165 PSI AND A MINIMUM WORKING PRESSURE OF 110 PSI.
2. CLASS 150 ANSI B16.5 FLANGE GASKETS SHALL BE US PIPE FLANGE-TYTE GASKETS OR APPROVED EQUAL.
3. ELECTRICAL AND CONTROLS EQUIPMENT, INCLUDING, BUT NOT LIMITED TO CONDUIT AND CONDUCTOR SHALL BE PER ELECTRICAL SHEETS.
4. FOR STRUCTURAL MATERIALS AND COMPONENTS REFERENCE STRUCTURAL SHEETS.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY FOR PROVIDING INCIDENTAL ITEMS AS NEEDED TO ASSEMBLE PIPE AND FITTINGS PER PLAN. ITEMS MAY INCLUDE BUT ARE NOT LIMITED TO GASKETS, BOLT KITS, REDUCERS, ADAPTERS, COUPLINGS, UNIONS, TRANSITION FITTINGS, SMALL DIAMETER ELBOWS, AND SHORT LENGTHS OF PIPE.
6. PRODUCTS INTENDED FOR CONTACT WITH POTABLE WATER SHALL BE CERTIFIED TO THE REQUIREMENTS OF NSF/ANSI 61 AND BE CERTIFIED LEAD-FREE WHEN APPLICABLE.
7. DUCTILE IRON PIPE SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST REVISION OF ANSI/AWWA C150/C151/A21.50 FOR A MINIMUM TWO HUNDRED FIFTY (250) PSI (OR PROJECT REQUIREMENTS, WHICHEVER IS GREATER) RATED WORKING PRESSURE PLUS A ONE HUNDRED (100) PSI MINIMUM SURGE ALLOWANCE. A TWO -TO-ONE (2:1) FACTOR OF SAFETY.
8. PIPE FITTINGS SHALL BE DUCTILE IRON CONFORMING TO AWWA C110 OR AWWA C153 WITH SBR GASKETS IN ACCORDANCE WITH AWWA C111.
9. DUCTILE IRON PIPE SHALL BE MANUFACTERED IN ACCORDANCE WITH THE LATEST REVISION OF ANSI/AWWA C151/A21.51. EACH PIPE SHALL BE SUBJECTED TO A HYDROSTATIC PRESSURE TEST OF AT LEAST FIVE HUNDRED (500) PSI AT THE POINT OF MANUFACTURE.
10. EXPOSED PIPING AND FITTINGS (ABOVE-GRADE OR WITHIN VAULTS AND STRUCTURES): THE EXTERIOR OF EXPOSED DUCTILE IRON PIPING AND FITTINGS, INCLUDING FERROUS METAL VALVES, FLANGES, AND APPURTENANCES, ETC, SHALL BE EPOXY COATED IN ACCORDANCE WITH SECTION 09 90 90, PAINTING AND COATINGS.
11. BURIED DI PIPING AND DI FITTINGS: THE EXTERIOR OF BURIED DUCTILE IRON PIPING AND FITTINGS SHALL BE METALLIC ZINC COATED WITH A STANDARD ASPHALTIC TOP COAT. ZINC COATING SHALL BE IN ACCORDANCE WITH AWWA C151 AND ISO 8179-1. DUCTILE IRON PIPES-EXTERNAL SINC-BASED COATING - PART 1: METALLIC ZINC WITH FINISHING LAYER (ISO2004).
12. PARTIAL EXPOSED AND PARTIAL BURIED PIPING: WHERE A PIPE SPOOL PENETRATES A STRUCTURE AND IS BOTH BURIED AND EXPOSED WITHIN THE SAME PIPE LENGTH, THE EXTERIOR COATING FOR EXPOSED PIPING SHALL BE UTILIZED FOR THE ENTIRE PIPE SPOOL.
13. PIPE LABELING.
    - 13.1. LABEL ALL PIPES IN ACCORDANCE WITH ANSI/ASME A13.1.
    - 13.1.1. PIPING SHALL BE LABELED "SANITARY SEWER" IN WHITE TEXT ON GREEN.
    - 13.2. ARROWS SHALL DEPICT THE DIRECTION OF FLOW.
    - 13.3. LABELS SHALL BE PLAINLY VISIBLE FROM THE MOST PROBABLE VIEWING LOCATION.
    - 13.4. LABEL PIPES ON EACH SIDE OF TEES AND WYES, AND ON EACH SIDE OF WALL PENETRATIONS.
    - 13.5. SCH 40 PVC PIPES ARE NOT REQUIRED TO BE LABELED.
14. FITTINGS, COUPLINGS, AND/OR APPURTENANCES INSTALLED AT A TRANSITION BETWEEN DISSIMILAR METALS SHALL UTILIZE DIELECTRIC ISOLATING COMPONENTS. DEPENDING ON FITTING, THIS MAY REQUIRE ISOLATION BOLT & GASKET KIT.
15. PLUG VALVES SHALL BE QUARTER-TURN, 100% PORT ECCENTRIC, WITH A RESILIENT PLUG AND EPOXY COATED INTERIOR/EXTERIOR, CONFORMING TO AWWA C517.
    - 15.1. PLUG VALVES IN VALVE VAULTS AND ABOVE GROUND: FLANGED ENDS, HAND WHEEL OPERATOR, AND VALMATIC WORM GEAR ACTUATOR.
    - 15.2. VALVES SHALL BE ORIENTED SIDEWAYS WITH GEAR ACTUATORS FOR EASE OF MAINTENANCE.
16. ALL STAINLESS STEEL COMPONENTS TO BE GRADE 316.
17. MIXER SHALL BE EQUIPPED WITH SINGLE GUIDE BAR AND LIFTING CHAIN WITH NO JET RING. MIXER SHALL BE FLYGT MODEL SR 4260, NON-CLOGGING, 3 PHASE, 208 V, 60 HZ POWER WITH A SPECIAL WOUND (3-PHASE/208V) MOTOR. MINIMUM SUBMERGENCE SHALL BE 38 INCHES FROM THE PUMPS OFF ALARM TO THE BASE OF THE MIXER OR PER MANUFACTURERS RECOMMENDATIONS.
18. PIPE SUPPORTS SHALL BE IN ACCORDANCE WITH STRUCTURAL DETAILS AND TECHNICAL SPECIFICATIONS. CONTRACTOR SHALL PROVIDE CALCULATIONS TO DEMONSTRATE THAT PIPE SUPPORTS AND STRUCTURES CAN HANDLE LOADS IN ACCORDANCE WITH TECHNICAL SPECIFICATIONS.
19. ALL UNDERGROUND BOLT KITS SHALL BE CORROSION RESISTANT (TRIPAC 2000 BLUE OR TYPE 316 STAINLESS STEEL). ALL BOLT KITS WITHIN WET WELL SHALL BE TYPE 316 STAINLESS STEEL.
20. EPOXY LINE AND COAT ALL SUBMERGED PIPES AND FITTINGS THAT ARE NOT PLASTIC OR STAINLESS STEEL WITHIN THE WET WELLS.
21. PRESSURE GAUGE SHALL BE GLYCERINE FILLED, WITH 3 1/2" DIAL SIZE, TYPE 316 STAINLESS STEEL CASE AND TUBE, 0-150 PSI RANGE , AND ±1% ACCURACY. PRESSURE GAUGE SHALL BE ASHCROFT MODEL 351009, OR APPROVED EQUAL. CONTRACTOR TO INSTALL STAINLESS STEEL FITTINGS WITH ANTI-GALLING LUBRICANT. SIZE OF FITTINGS AND APPURTENANCES SHALL COMPLY WITH MANUFACTURERS RECOMMENDATIONS AND REQUIREMENTS.
22. CONTRACTOR TO SMOOTH SHARP OR CUT EDGES ON METAL TRAP FOR EASE OF CABLE MAINTENANCE.
23. SECURE PUMP AND MIXER GUIDE RAILS WITH SS U-BOLTS. CONTRACTOR TO SUBMIT STAMPED PIPE SUPPORT CALCULATIONS.
24. REFERENCE ELECTRICAL PLANS FOR TRAY DETAILING. CONTRACTOR TO SMOOTH SHARP OR CUT EDGES ON METAL TRAY FOR EASE OF CABLE MAINTENANCE.
25. HATCH SHALL BE DOUBLE LEAF ALUMINUM AASHTO H-20 TRAFFIC RATED WITH AN 82"x54" OPENING AND THE FOLLOWING FEATURES: BOLT ON OPEN VERTICAL SPRINGS; WATERTIGHT SLAMLOCK; OVERSIZED RECESSED PADLOCK; BITUMINOUS COATING ON AREA IN CONTACT WITH THE CONCRETE; CABLE TRAY EXTENSION AS SHOW ON THE DRAWINGS; SKIRT; MILL FINISH DIAMOND PLATE COVER; 316 SS NUTS, BOLTS AND HARDWARE; SAFETY CHAIN; ODOR REDUCTION GASKET; DOUBLE GRATE FALL PROTECTION.
26. FLOATS SHALL BE MOUNTED WITHIN THE WET WELL HATCH OPENINGS USING A 316 SS FLOAT BRACKET.

LEGEND:

EQUIPMENT AND MATERIAL TAG. TYP.

BASIS OF DESIGN TABLE:

001 - HIGH FLOW PUMPS	
MANUFACTURER	FLYGT - 273
MODEL	FLYGT NP 3202 SH 3 W/ VFDs
PUMP CONFIGURATION	ELECTRIC SUBMERSIBLE, SOLIDS HANDLING
MAXIMUM POSSIBLE SOLID DIAMETER	3 IN
PUMPING MEDIA	RAW SEWAGE
OPERATING CONDITION	1 LEAD, 1 LAG, CYCLING
DRIVER POWER	72 HP
RATER IMPELLER DIAMETER	TRIM FOR BEST EFFICIENCY
OPERATING FLOW LEAD @ 60 HZ	746 GPM TOTAL @ 220' TDH, 195' STATIC
OPERATING FLOW LEAD @ 50 HZ	305 GPM TOTAL @ 199.2' TDH, 195' STATIC
OPERATING FLOW LEAD + LAG @60HZ	1,140 GPM TOTAL @ 254' TDH, 195' STATIC
MINIMUM HYDRAULIC EFFICIENCY	57% DURING PARALLEL FLOW @ 60 HZ
MAXIMUM PUMP SPEED	3,600 RPM
NPSHreq - LEAD PUMP ACTIVE	25.8 FT
002 - LOW FLOW PUMPS	
MANUFACTURER	FLYGT
MODEL	NP 3171 SH 3 W/ RVSS
PUMP CONFIGURATION	ELECTRIC SUBMERSIBLE, SOLIDS HANDLING
MAXIMUM POSSIBLE SOLID DIAMETER	3 IN
PUMPING MEDIA	RAW SEWAGE
OPERATING CONDITION	1 LEAD, 1 LAG, CYCLING
DRIVER POWER	23 HP
RATER IMPELLER DIAMETER	TRIM FOR BEST EFFICIENCY
OPERATING FLOW LEAD	186 GPM TOTAL @ 200' TDH , 195' STATIC
OPERATING FLOW LEAD + LAG	300 GPM TOTAL @ 210' TDH, 195' STATIC
MINIMUM HYDRAULIC EFFICIENCY	38% DURING PARALLEL FLOW
MAXIMUM PUMP SPEED	3,600 RPM
NPSHreq - LEAD PUMP ACTIVE	13.1 FT
WET WELL DESIGN	
MINIMUM CYCLE TIME	10 MINUTES BETWEEN PUMP STARTS
MAXIMUM FILL TIME	30 MINUTES
WET WELL DIAMETER	12 FT
WET WET RIM ELEVATION	596.40 FT
HIGH WATER LEVEL ALARM ELEVATION	575.16 FT
LAG PUMP ON - HIGH FLOW ELEVATION	574.66 FT
LEAD PUMP ON ELEVATION - HIGH FLOW	572.86 FT
LAG PUMP ON ELEVATION - LOW FLOW	572.16 FT
LEAD PUMP ON ELEVATION - LOW FLOW	571.66 FT
PUMPS OFF ELEVATION	571.16 FT
LOW WATER ALARM ELEVATION	570.16 FT
LIFT STATION BASE ELEVATION	568.02 FT

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CALAVERAS COUNTY WATER DISTRICT

HUCKLEBERRY LIFT STATION
LIFT STATION MATERIALS AND BASIS OF DESIGN

VALLEY SPRINGS — CALAVERAS COUNTY — CALIFORNIA

REV.	DATE	DESCRIPTION	BY

100% DESIGN
FOR BID
AUGUST 2025

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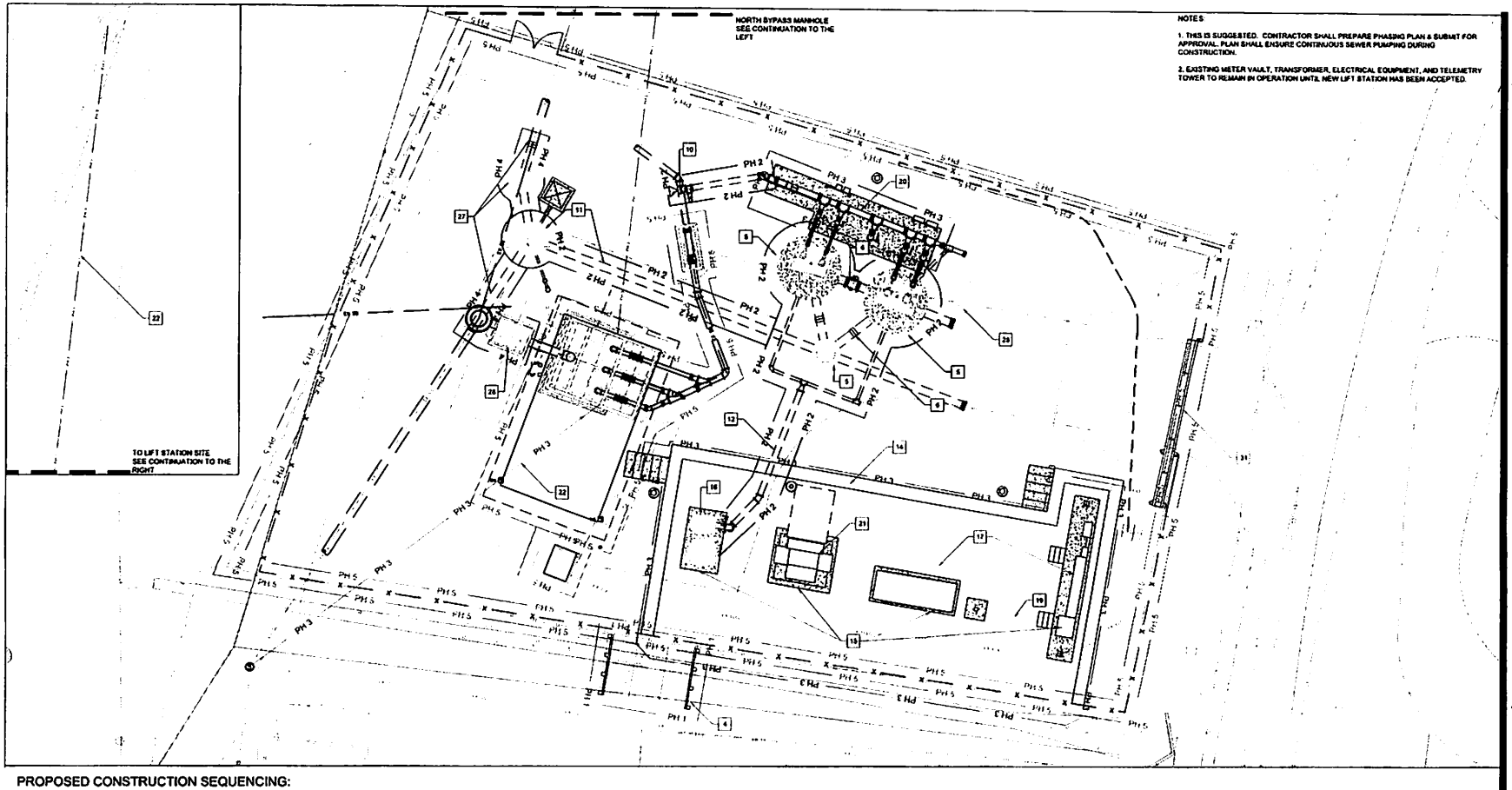

NOTES

1. THIS IS SUGGESTED. CONTRACTOR SHALL PREPARE PHASING PLAN & SUBMIT FOR APPROVAL. PLAN SHALL ENSURE CONTINUOUS SEWER PUMPING DURING CONSTRUCTION.

2. EXISTING METER VAULT, TRANSFORMER, ELECTRICAL EQUIPMENT, AND TELEMETRY TOWER TO REMAIN IN OPERATION UNTIL NEW LIFT STATION HAS BEEN ACCEPTED.

PROPOSED CONSTRUCTION SEQUENCING:

SITE PREPARATION

1. INSTALLATION OF BMPS AS REQUIRED. SEE GRADING SHEET C4.0
2. REMOVAL OF EXISTING FENCING AND ERECTION OF TEMPORARY SECURITY FENCING.
3. POTHOLING AND VERIFICATION OF EXISTING UTILITIES AND CONFLICT IDENTIFICATION.
4. INSTALLATION OF TEMPORARY BRIDGE TO ALLOW FOR ADDITIONAL SITE ACCESS DURING CONSTRUCTION.

INSTALLATION OF PROPOSED IMPROVEMENTS BELOW GRADE

5. SHORED EXCAVATION, DEWATERING, SUBGRADE PREPARATION, INSTALL WET WELL STRUCTURE AND DISTRIBUTION MANHOLE.
6. INSTALL PIPE PENETRATIONS, PIPING BETWEEN STRUCTURES AND PLUG VALVE BETWEEN PROPOSED WET WELLS.
7. JOINT SEALANT, GROUTING, TESTING OF WET WELLS AND DISTRIBUTION MANHOLE.
8. BACKFILL WET WELLS AND DISTRIBUTION MANHOLE UP TO ODOR CONTROL PENETRATIONS.
9. INSTALLATION OF PUMPS, BURIED DISCHARGE PIPING.
10. HOT TAP WITH SLEEVE AND TAPPING VALVE INTO EXISTING FORCE MAIN DOWNSTREAM OF EXISTING METER VAULT.
11. INSTALLATION OF GRAVITY PIPING AND PROPOSED WESTERN MANHOLES.
12. INSTALLATION OF ODOR CONTROL PIPING.
13. INSTALLATION OF ALL BURIED CONDUIT AND CONDUCTOR.

INSTALLATION OF PROPOSED ABOVE GRADE IMPROVEMENTS AND BYPASS SYSTEM

14. SITE GRADING, EARTHWORK AND INSTALLATION OF GRAVITY WALL AND RETAINED ELEVATED PAD.
15. CONCRETE WORK: INSTALL PADS, SHADE STRUCTURE FOUNDATIONS, MANHOLE AND VALVE BOX COLLARS.
16. INSTALLATION OF ELECTRICAL MCC PAD, SHADE STRUCTURE, GENERATOR PAD, UTILITY TRANSFORMER PAD, ODOR CONTROL SYSTEM PAD, AND ON-GRADE PUMP DISCHARGE ASSEMBLY PAD INCLUDING SCARIFYING, OVER-EXCAVATION, SUBGRADE PREPARATION, SITE GRADING, AND COMPACTION.
16. INSTALL PACKAGE ODOR CONTROL SYSTEM. CONNECT TO PIPING AND ELECTRIC
17. ELECTRICAL EQUIPMENT MCC CABINETS AND PUMP DISCONNECT INSTALLATION
18. INSTALL GENERATOR AND ATS.
19. INSTALL NEW TELEMETRY ANTENNA, RTU, PLC, AND ALL SCADA COMPONENTS.
20. INSTALL ALL ABOVE GRADE DISCHARGE HEADER PIPING, FITTINGS, APPURTENANCES, AND PRESSURE TEST USING DISCHARGE HEADER BYPASS ASSEMBLY AS A FILL LOCATION.
21. NEW UTILITY TRANSFORMER, ELECTRICAL METER, AND OTHER ELECTRICAL SERVICE ITEMS (NOTE THIS SERVICE HAS NOT BEEN ACTIVATED YET)
22. PLUG STILLING WELL CONNECTION TO EXISTING LIFT STATION AND BYPASS FLOW AROUND EXISTING STILLING WELL AND EXISTING INTERCEPTOR MANHOLE TO EXISTING LIFT STATION.
- 22.1. BYPASS FROM NORTH AND SOUTH UPSTREAM MANHOLES TO THE EXISTING LIFT STATION WET WELL.

STARTUP

23. WATER STARTUP TESTING ON PROPOSED GENERATOR. USE GENERATOR FOR THE FOLLOWING START UP ITEMS
- 23.1. FILL PROPOSED WET WELL WITH WATER
- 23.2. SET EXISTING LIFT STATION TO "OFF" MODE
- 23.3. STARTUP TESTING. IF ISSUES ARE ENCOUNTERED, RE-ENABLE THE EXISTING WET WELL UNTIL ISSUES HAVE BEEN RESOLVED AND START UP IS ACCEPTABLE.
24. ONCE THE NEW LIFT STATION HAS BEEN ACCEPTED ON GENERATOR POWER, SWITCH OVER TO NEW ELECTRICAL SERVICE.
25. REPEAT STARTUP TESTING ON NEW SERVICE WHILE UTILIZING EXISTING WET WELL AS A BACKUP IF NECESSARY (THE EXISTING STATION WILL UTILIZE EXISTING GENERATOR POWER).
- 25.1. REFERENCE ELECTRICAL SHEETS AND SPECIFICATIONS FOR TESTING AND STARTUP REQUIREMENTS.
26. ONCE NEW LIFT STATION HAS BEEN ACCEPTED, DEMOLISH EXISTING STILLING WELL AND MANHOLE PER DEMO SHEET C4.0. SALVAGE EXISTING WAUFPIN MONSTER FOR RELOCATION INTO NEW MANHOLE PER SITE PLAN.
27. INSTALL PROPOSED INTERCEPTOR MANHOLE STRUCTURE AND GRAVITY PIPING TO CONNECT TO.
28. INSTALL BOLLARDS AND OTHER SITE ITEMS.
29. REMOVE BYPASS TO ALLOW SEWER FLOW TO NEW WET WELLS.

SITE FINISHING

30. DEMOLISH EXISTING INFRASTRUCTURE AS DETAILED ON SHEET C4.0.
31. FINISH SITE, AGGREGATE BASE, AND INSTALLATION OF NEW FENCE AND GATE.

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CALAVERAS COUNTY WATER DISTRICT

HUCKLEBERRY LIFT STATION - CONSTRUCTION PHASING PLAN

VALLEY SPRINGS — CALAVERAS COUNTY — CALIFORNIA

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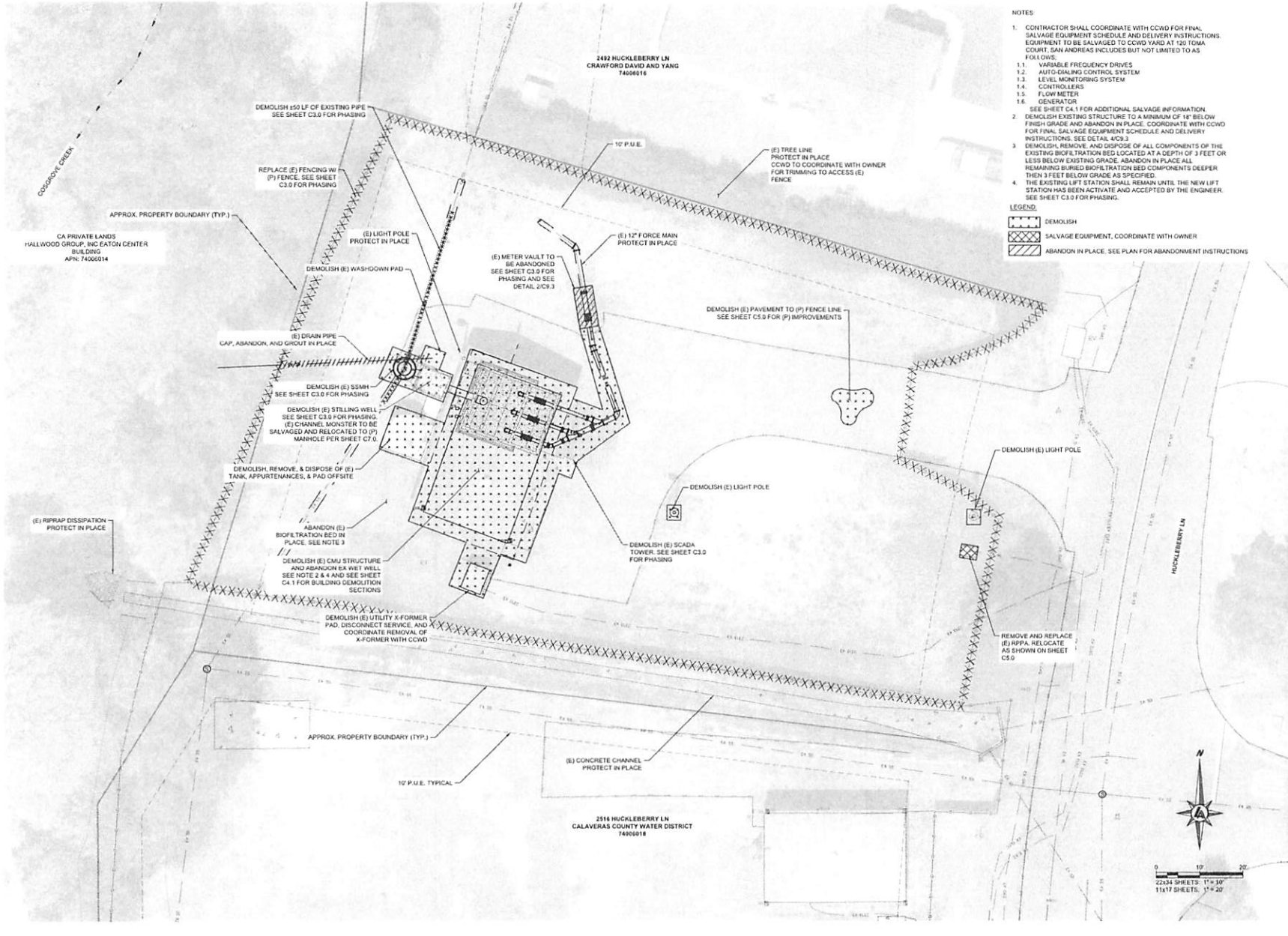

NOTES:

1. CONTRACTOR SHALL COORDINATE WITH CCWD FOR FINAL SALVAGE EQUIPMENT SCHEDULE AND DELIVERY INSTRUCTIONS. EQUIPMENT TO BE SALVAGED TO CCWD YARD AT 120 TOMA COURT, SAN ANDREAS INCLUDES BUT NOT LIMITED TO AS FOLLOWS.
   - 1.1. VARIABLE FREQUENCY DRIVES
   - 1.2. AUTO-DIALING CONTROL SYSTEM
   - 1.3. LEVEL MONITORING SYSTEM
   - 1.4. CONTROLLERS
   - 1.5. FLOW METER
   - 1.6. GENERATOR

   SEE SHEET C4.1 FOR ADDITIONAL SALVAGE INFORMATION.
2. DEMOLISH EXISTING STRUCTURE TO A MINIMUM OF 18" BELOW FINISH GRADE AND ABANDON IN PLACE. COORDINATE WITH CCWD FOR FINAL SALVAGE EQUIPMENT SCHEDULE AND DELIVERY INSTRUCTIONS. SEE DETAIL 4/C9.3
3. DEMOLISH, REMOVE, AND DISPOSE OF ALL COMPONENTS OF THE EXISTING BIOFILTRATION BED LOCATED AT A DEPTH OF 3 FEET OR LESS BELOW EXISTING GRADE. ABANDON IN PLACE ALL REMAINING BURIED BIOFILTRATION BED COMPONENTS DEEPER THEN 3 FEET BELOW GRADE AS SPECIFIED.
4. THE EXISTING LIFT STATION SHALL REMAIN UNTIL THE NEW LIFT STATION HAS BEEN ACTIVATE AND ACCEPTED BY THE ENGINEER. SEE SHEET C3.0 FOR PHASING.

LEGEND:

- DEMOLISH
- SALVAGE EQUIPMENT, COORDINATE WITH OWNER
- ABANDON IN PLACE. SEE PLAN FOR ABANDONMENT INSTRUCTIONS

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CALAVERAS COUNTY WATER DISTRICT

HUCKLEBERRY LIFT STATION - DEMOLITION PLAN

VALLEY SPRINGS | CALAVERAS COUNTY | CALIFORNIA

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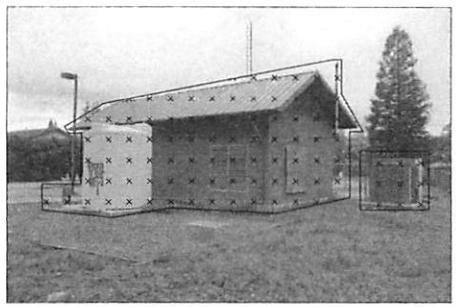
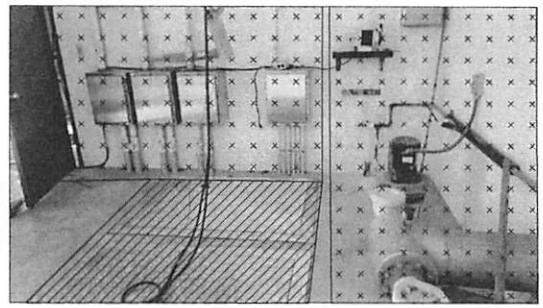
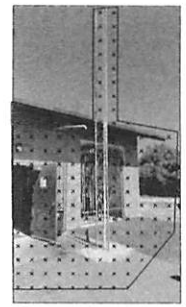


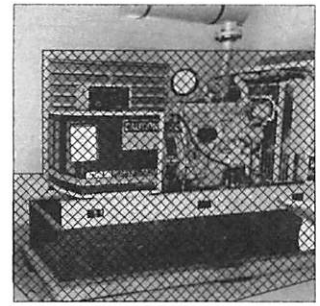
DEMOLISH BUILDING, TANK, AND ELECTRICAL



DEMOLISH BUILDING INTERIOR AND ABANDON WET WELLS PER DETAIL S/C# 3



DEMOLISH TELEMETRY TOWER



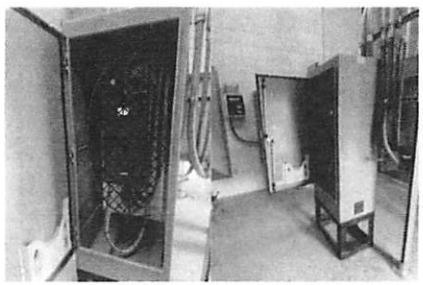
SALVAGE GENERATOR

NOTES:

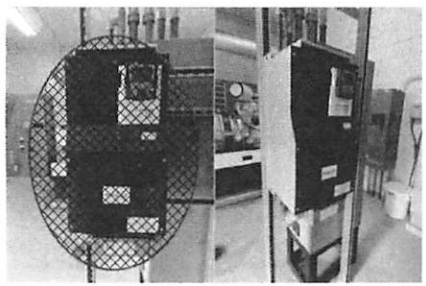
1. CONTRACTOR SHALL COORDINATE WITH CCWD FOR FINAL SALVAGE EQUIPMENT SCHEDULE AND DELIVERY INSTRUCTIONS. EQUIPMENT TO BE SALVAGED TO CCWD YARD AT 129 TOMA COURT, SAN ANDREAS.
2. SEE SHEET C3.0 FOR RECOMMENDED PHASING OF DEMOLITION.

LEGEND:

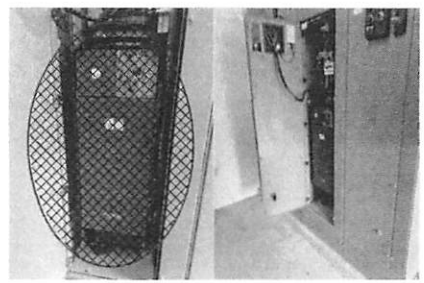
- DEMOLISH
- SALVAGE EQUIPMENT, COORDINATE WITH OWNER
- ABANDON IN PLACE, SEE PLAN FOR ABANDONMENT INSTRUCTIONS



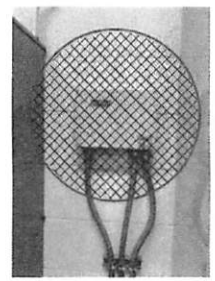
SALVAGE VARIABLE FREQUENCY DRIVE



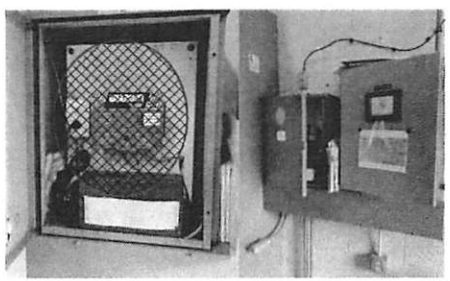
SALVAGE VARIABLE FREQUENCY DRIVE



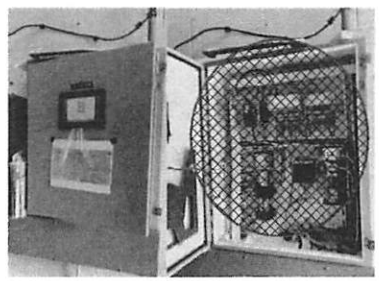
SALVAGE VARIABLE FREQUENCY DRIVE



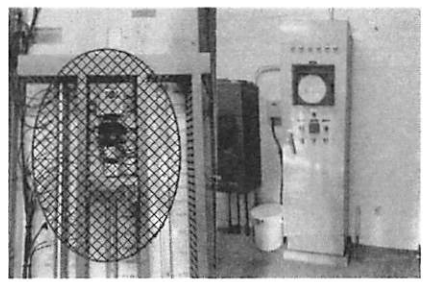
SALVAGE CONTROLLER



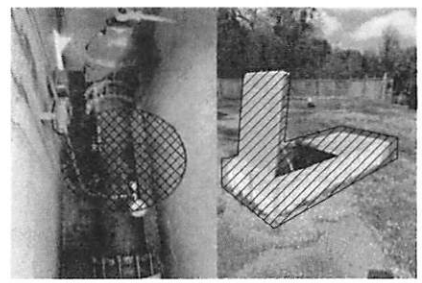
SALVAGE AUTODIALING



SALVAGE LEVEL MONITORING



SALVAGE CONTROLLER



SALVAGE FLOW METER AND ABANDON VAULT IN PLACE PER SHEET C4.0

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CALAVERAS COUNTY WATER DISTRICT

HUCKLEBERRY LIFT STATION - BUILDING DEMOLITION SECTIONS

VALLEY SPRINGS, CALAVERAS COUNTY, CALIFORNIA

REV.	DATE	DESCRIPTION	BY

100% DESIGN
NOT FOR CONSTRUCTION
AUGUST 2025

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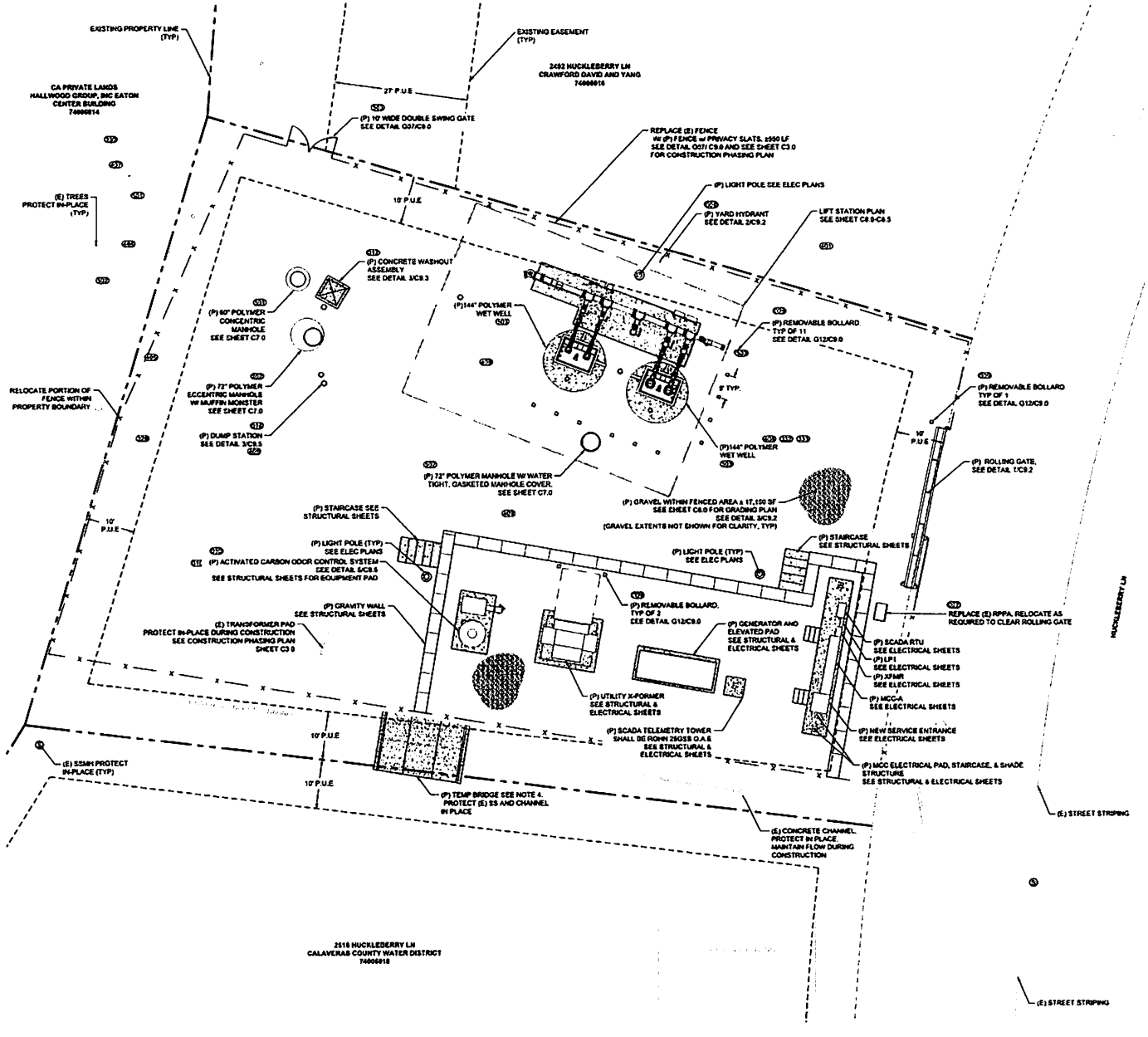
C4.1

DRAWN BY:	KA
DESIGNED BY:	DN
CHECKED BY:	MQ
JOB NO.:	11206.000



NOTES:

1. LOCATION, LAYOUT, AND DEPTH OF UNDERGROUND FACILITIES ARE APPROXIMATE ONLY - THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL FACILITIES PRIOR TO ORDERING PARTS AND ANY EXCAVATION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL UNDERGROUND FACILITIES AFFECTED BY THE WORK AND SHALL CONTACT UNDERGROUND SERVICES ALERT (USA) 48 HOURS PRIOR TO ANY EXCAVATION WORK FOR DETERMINATION AND LOCATION OF UNDERGROUND UTILITIES (PHONE 1-800-642-2444).
3. CONTRACTOR SHALL MAINTAIN SAFE WORKING DISTANCE FROM EXISTING UTILITIES.
4. CONTRACTOR SHALL PROVIDE AND INSTALL A TEMPORARY BRIDGE SPANNING THE EXISTING CONCRETE CHANNEL FOR VEHICULAR ACCESS TO THE SITE DURING CONSTRUCTION. TRAFFIC RATED ENGINEERED 3-SIDED PRECAST CULVERT BRIDGE OR APPROVED EQUAL. PROTECT EXISTING CONCRETE CHANNEL AND UTILITIES IN PLACE. PRIOR TO ORDERING MATERIALS, CONTRACTOR SHALL PROVIDE AN ENGINEERED TEMPORARY BRIDGE DESIGN WITH CALCULATIONS AND DRAWINGS STAMPED BY A CALIFORNIA LICENSED STRUCTURAL ENGINEER FOR ENGINEER'S APPROVAL.

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CALAVERAS COUNTY WATER DISTRICT

HUCKLEBERRY LIFT STATION - PROPOSED SITE PLAN

VALLEY SPRINGS — CALAVERAS COUNTY — CALIFORNIA

REV	DATE	DESCRIPTION	BY
		100% DESIGN FOR BID AUGUST 2025	

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C5.0

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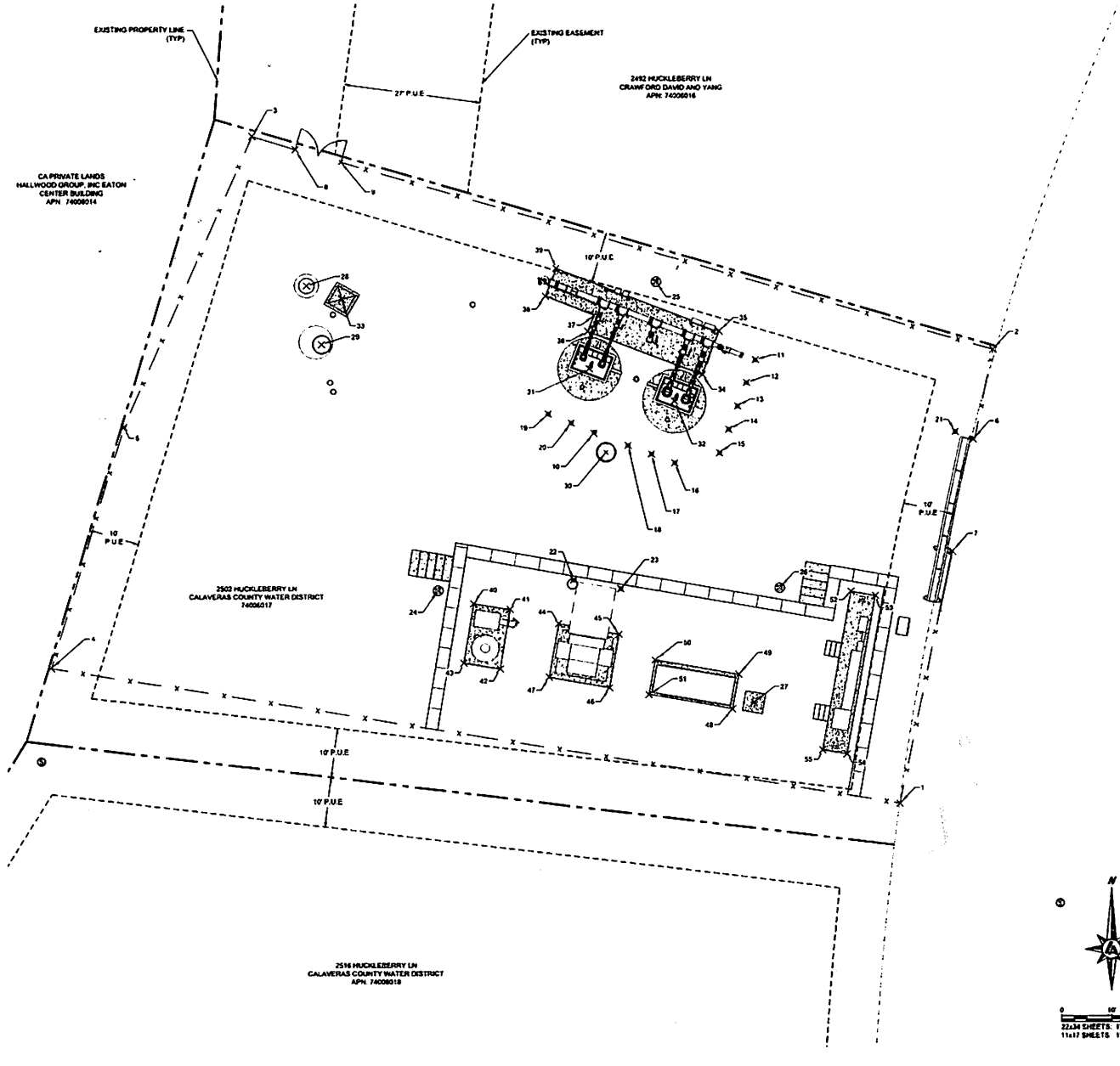
DESIGNED BY	DN
CHECKED BY:	MO
JOB NO.:	11386.000



NOTES:

1. LOCATIONS OF POINTS 27 AND 28 ARE DEPENDENT ON EXACT LOCATIONS OF EXISTING FACILITIES AND ARE THEREFORE SUBJECT TO CHANGE. REFERENCE UTILITY PLAN SHEET C7.0 FOR TIE-IN INFORMATION.

Point Table

Point #	Northing	Easting	Description
1	2246182.39	6465847.95	FENCE CORNER
2	2246273.74	6465866.56	FENCE CORNER
3	2246316.38	6465718.00	FENCE CORNER
4	2246209.71	6465678.04	FENCE CORNER
5	2246258.07	6465692.52	FENCE LINE
6	2246255.65	6465862.61	GATE OPENING
7	2246233.19	6465858.39	GATE OPENING
8	2246313.79	6465728.70	GATE OPENING
9	2246311.27	6465735.82	GATE OPENING
10	2246258.65	6465786.45	REMOVABLE BOLLARD
11	2246271.50	6465818.78	REMOVABLE BOLLARD
12	2246266.93	6465817.00	REMOVABLE BOLLARD
13	2246262.26	6465815.22	REMOVABLE BOLLARD
14	2246257.58	6465813.44	REMOVABLE BOLLARD
15	2246252.91	6465811.66	REMOVABLE BOLLARD
16	2246250.90	6465802.66	REMOVABLE BOLLARD
17	2246252.68	6465797.98	REMOVABLE BOLLARD
18	2246254.45	6465793.32	REMOVABLE BOLLARD
19	2246260.67	6465777.22	REMOVABLE BOLLARD
20	2246258.86	6465781.88	REMOVABLE BOLLARD
21	2246257.16	6465858.97	REMOVABLE BOLLARD
22	2246227.54	6465782.35	REMOVABLE BOLLARD
23	2246225.73	6465791.80	REMOVABLE BOLLARD
24	2246225.41	6465755.21	CENTER OF LIGHT POLE
25	2246267.35	6465798.89	CENTER OF LIGHT POLE
26	2246225.91	6465823.85	CENTER OF LIGHT POLE
27	2246202.67	6465818.49	ANTENNA MAST
28	2246296.54	6465728.99	CENTER OF MANHOLE, SEE NOTE 1
29	2246274.70	6465732.04	CENTER OF ECCENTRIC MANHOLE. SEE NOTE 1
30	2246253.03	6465788.82	CENTER OF APPROACH MANHOLE
31	2246269.75	6465785.54	CENTER OF LOW FLOW WET WELL
32	2246263.22	6465832.55	CENTER OF HIGH FLOW WET WELL
33	2246263.81	6465736.06	CONCRETE WASHOUT
34	2246258.67	6465808.14	DISCHARGE HEADER PAD
35	2246277.39	6465811.52	DISCHARGE HEADER PAD
36	2246277.96	6465785.25	DISCHARGE HEADER PAD
37	2246283.64	6465786.52	DISCHARGE HEADER PAD
38	2246284.44	6465776.71	DISCHARGE HEADER PAD
39	2246292.03	6465779.88	DISCHARGE HEADER PAD
40	2246222.71	6465762.31	ODOR CONTROL PAD
41	2246221.53	6465769.59	ODOR CONTROL PAD
42	2246209.44	6465767.82	ODOR CONTROL PAD
43	2246210.62	6465760.34	ODOR CONTROL PAD
44	2246218.68	6465779.34	TRANSFORMER PAD
45	2246216.53	6465791.49	TRANSFORMER PAD
46	2246205.70	6465789.60	TRANSFORMER PAD
47	2246207.82	6465777.45	TRANSFORMER PAD
48	2246201.37	6465814.22	GENERATOR PAD
49	2246206.27	6465815.43	GENERATOR PAD
50	2246211.21	6465798.89	GENERATOR PAD
51	2246204.27	6465797.46	GENERATOR PAD
52	2246225.22	6465838.03	ELECTRICAL CABINET PAD
53	2246224.35	6465842.92	ELECTRICAL CABINET PAD
54	2246192.34	6465837.28	ELECTRICAL CABINET PAD
55	2246193.21	6465832.36	ELECTRICAL CABINET PAD

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CALAVERAS COUNTY WATER DISTRICT

HUCKLEBERRY LIFT STATION
- PROPOSED CONTROL SHEET

VALLEY SPRINGS — CALAVERAS COUNTY — CALIFORNIA

REV	DATE	DESCRIPTION	BY

100% DESIGN
FOR BID
AUGUST 2025

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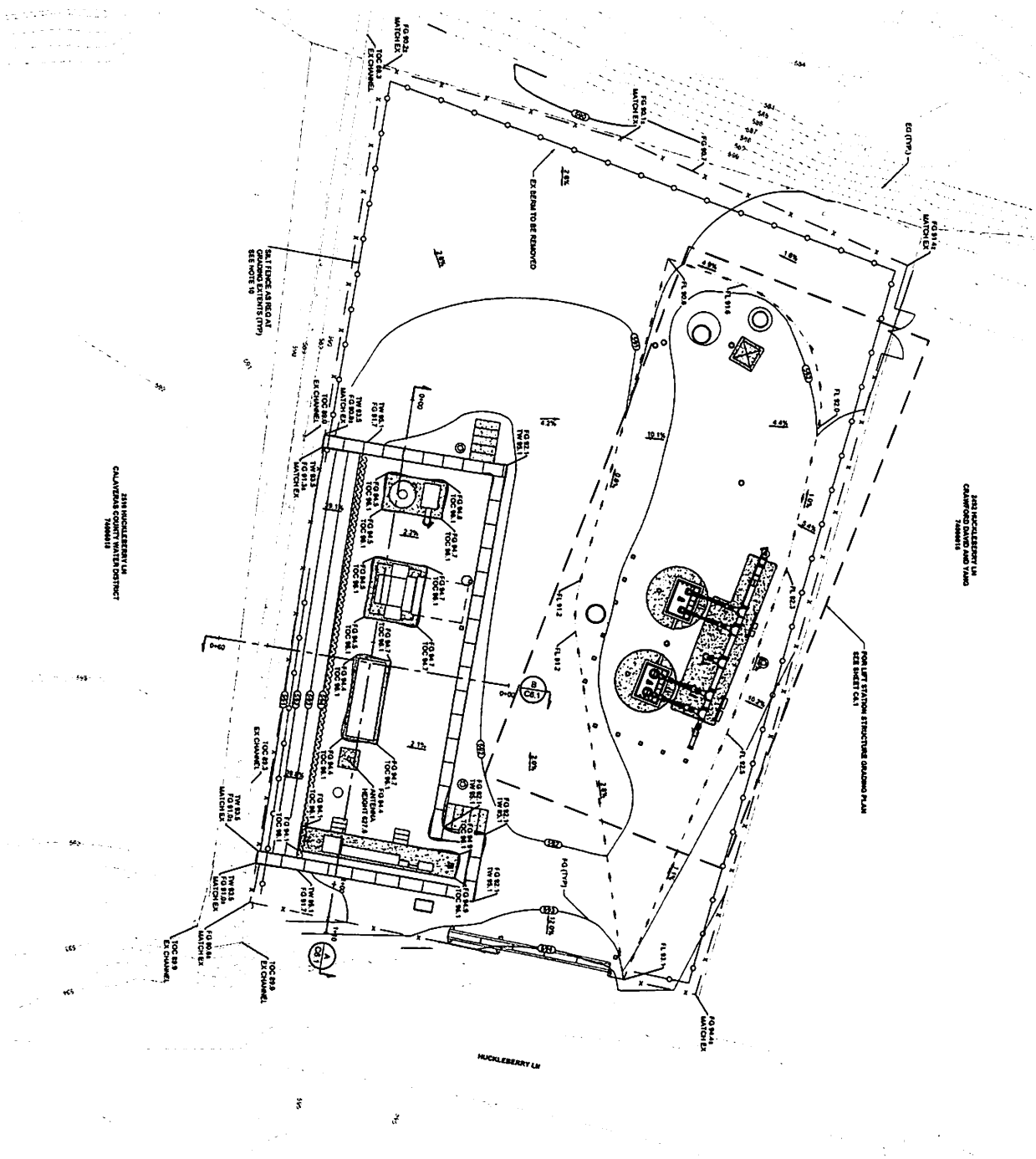
C5.1

DRAWN BY	KA
DESIGNED BY	DH
CHECKED BY	MO
JOB NO.	11399.000



NOTES

1. ADD 500' TO FLAG GRADES.
2. FINISH GRADE (FG) PROVIDED AT SLAB OR STRUCTURES
3. SLOPE GROUND AWAY FROM FENCELINE AT MAX 2.5:1 TO MATCH EXISTING GRADE
4. SPOT ELEVATIONS SHOWN FOR CLARITY OF FLOW PATH.
5. SITE SHALL BE GRADED TO DIRECT RUNOFF AWAY FROM STRUCTURES AND ACCESS HATCHES.
6. PRIOR TO PLACEMENT OF STRUCTURAL FILL, THE SITE SUBGRADE SHALL BE PROOF-ROLLED TO IDENTIFY SOFT AREAS, PARTICLES OVER FOUR (4) INCHES REMOVED, MOISTURE CONDITIONED TO AT LEAST OPTIMUM, AND RECOMPACTED TO A MINIMUM OF NINETY PERCENT (90%) AS DETERMINED BY THE ASTM D1557 STANDARD.
7. STRUCTURAL FILL SHALL BE PLACED ONLY ON COMPACTED, EXCAVATED, OR CONSTRUCTED FILL IN LOOSE LIFTS NO LEAST OPTIMUM, AND COMPACTED TO A MINIMUM OF NINETY PERCENT (90%) RELATIVE COMPACTION AS DETERMINED BY THE ASTM D1557 STANDARD.
8. REFERENCE SHEET C5.0 AND C7.0 FOR PROPOSED SITE AND UTILITY PLAN.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING THEIR OWN QUANTITIES AND SHALL NOT RELY ON THIS INFORMATION. CONTRACTOR SHALL BE RESPONSIBLE FOR ACCOUNTING FOR ANY SHORTAGES OR OVERAGES OF GRADING MATERIALS.
10. ANY UNSUITABLE OR UNSTABLE SOILS ENCOUNTERED IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ADJACENT MATERIALS, STORM SYSTEM INFRASTRUCTURE, AND OTHER EXISTING FACILITIES.
11. INSTALL ADDITIONAL BARREL AND/OR GRADE RINGS TO RAISE RIM ELEVATION AS SHOWN ON PLANS.

APPROXIMATE EARTHWORK VOLUMES

CUT (CY)	FILL (CY)	NET (CY)
(+)515	(+)267	(+)248

LEGEND

- SILT FENCE
- PROPOSED FENCE
- FLOW LINE
- GRADE BREAK
- EXISTING CONTOURS
- PROPOSED CONTOURS

0 1F 2F
22x34 SHEETS: 1" = 1'
11x17 SHEETS: 1" = 2'

N

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SAN JOSE, CA 95131
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REV	DATE	DESCRIPTION	BY

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FOR BID
AUGUST 2025

CALAVERAS COUNTY WATER DISTRICT

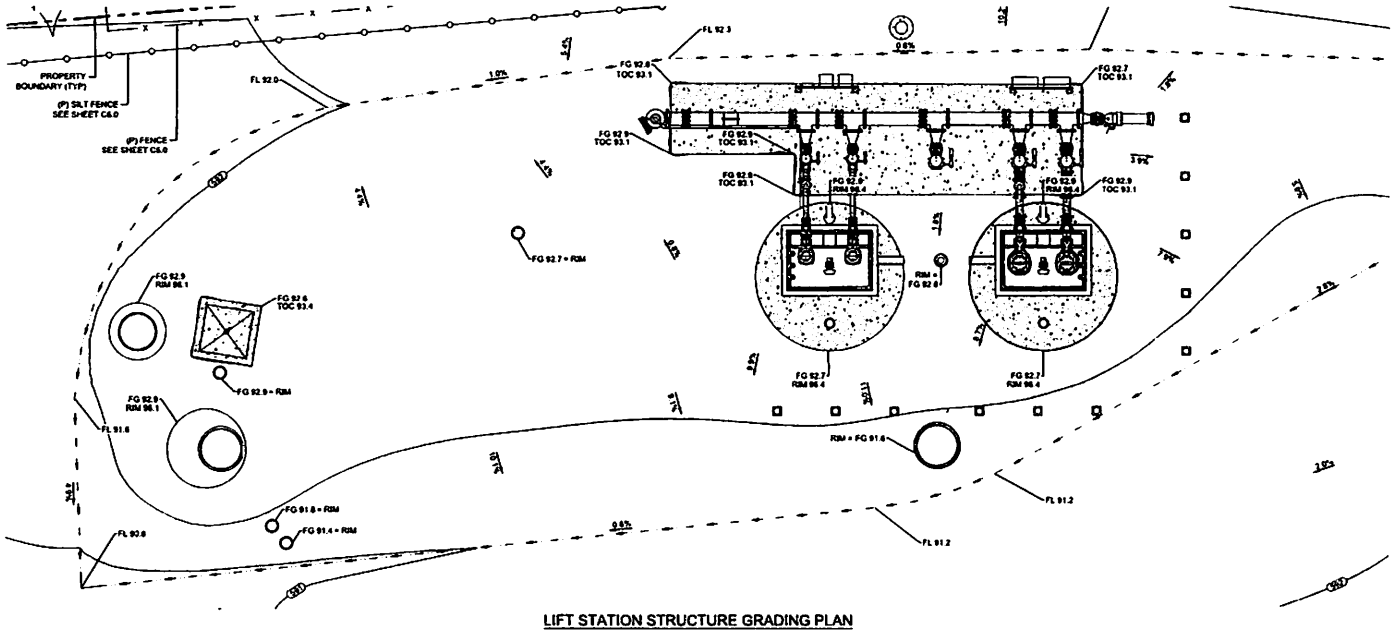
HUCKLEBERRY LIFT STATION

PROPOSED SITE GRADING PLAN

VALLEY SPRINGS CALAVERAS COUNTY CALIFORNIA

C6.0

DRAWN BY: KA
DESIGNED BY: DN
CHECKED BY: MO
JOB NO: 11386.000

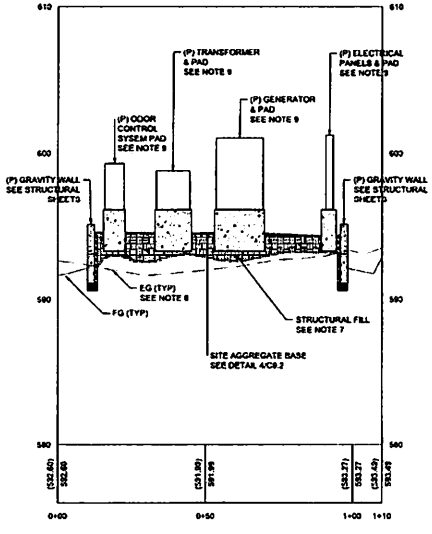


NOTES

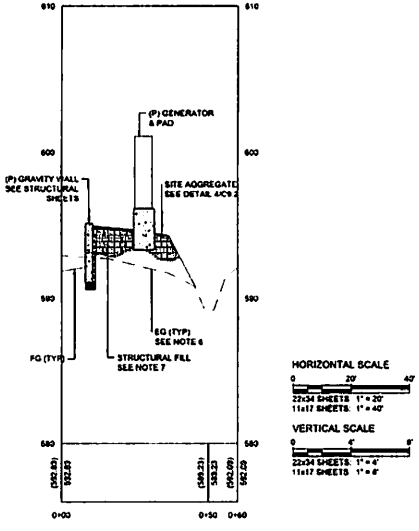
1. ADD 500' TO FLAG GRADES.
2. FINISH GRADE (FG) PROVIDED AT SLAB OR STRUCTURES REPRESENTS SURROUNDING GROUND ELEVATION.
3. SLOPE GROUND AWAY FROM FENCELINE AT MAX 2.5:1 TO MATCH EXISTING GRADE.
4. FLOWLINES ARE SHOWN FOR CLARITY OF FLOW PATH.
5. SITE SHALL BE GRADED TO ENSURE RUNOFF IS DIRECTED AWAY FROM STRUCTURES AND ACCESS HATCHES.
6. PRIOR TO PLACEMENT OF STRUCTURAL FILL, THE SITE SUBGRADE SHALL BE SCARIFIED TO A DEPTH OF TWELVE (12) INCHES. PARTICLES OVER FOUR (4) INCHES REMOVED, MOISTURE CONDITIONED TO AT LEAST OPTIMUM, AND RECOMPACTED TO A MINIMUM OF NINETY PERCENT (90%) AS DETERMINED BY THE ASTM D1557 STANDARD.
7. STRUCTURAL FILL SHALL BE PLACED ONLY ON COMPACTED SUBGRADE OR ON COMPACTED FILL IN LOOSE LIFTS NOT EXCEEDING EIGHT (8) INCHES, MOISTURE CONDITIONED TO AT LEAST OPTIMUM, AND COMPACTED TO A MINIMUM OF NINETY PERCENT (90%) RELATIVE COMPACTION AS DETERMINED BY THE ASTM D1557 STANDARD.
8. REFERENCE SHEET C5.0 & C7.0 FOR PROPOSED SITE AND UTILITY PLANS.
9. REFERENCE STRUCTURAL SHEETS FOR ELECTRICAL AND EQUIPMENT PAD INFORMATION.

LIFT STATION STRUCTURE GRADING PLAN

11386_ELECTRICAL SECTION WE - STA:0+00 TO STA:1+10



11386_ELECTRICAL SECTION NS - STA:0+00 TO STA:0+60



HORIZONTAL SCALE

VERTICAL SCALE

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CALAVERAS COUNTY WATER DISTRICT

HUCKLEBERRY LIFT STATION

PROPOSED GRADING PLAN AND SECTIONS

VALLEY SPRINGS — CALAVERAS COUNTY — CALIFORNIA

REV	DATE	DESCRIPTION	BY

100% DESIGN
FOR BID
AUGUST 2025

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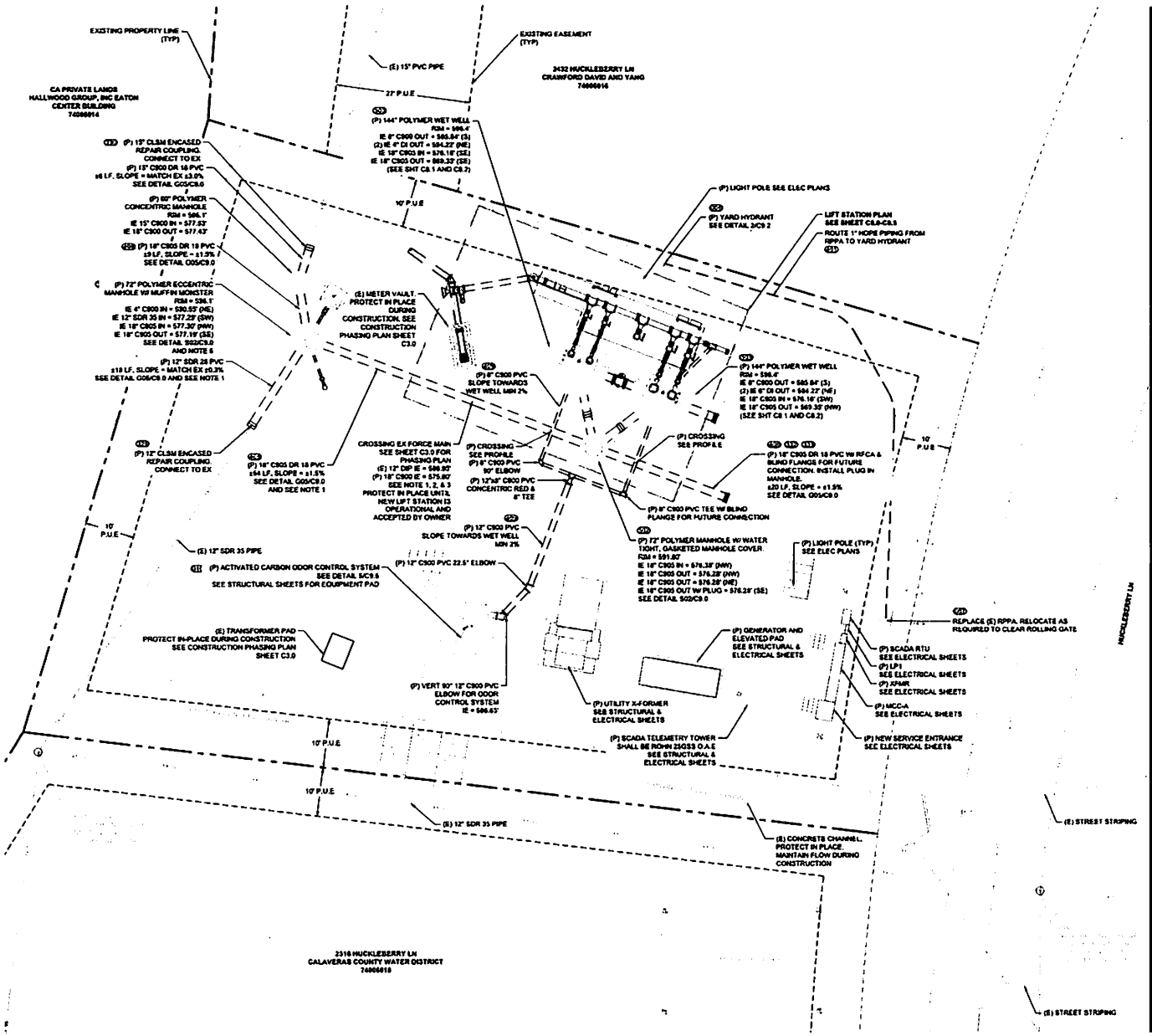
DESIGNED BY:	DN
CHECKED BY:	MG
JOB NO.:	11386.000



NOTES

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2. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL UNDERGROUND FACILITIES AFFECTED BY THE WORK AND SHALL CONTACT UNDERGROUND SERVICES ALERT (USA) 48 HOURS PRIOR TO ANY EXCAVATION WORK FOR DETERMINATION AND LOCATION OF UNDERGROUND UTILITIES (PHONE 1-800-642-2444).
3. CONTRACTOR SHALL MAINTAIN SAFE WORKING DISTANCE FROM EXISTING UTILITIES.
4. CONTRACTOR SHALL PROVIDE AND INSTALL A TEMPORARY BRIDGE SPANNING THE EXISTING CONCRETE CHANNEL FOR VEHICULAR ACCESS TO THE SITE DURING CONSTRUCTION. TRAFFIC RATED ENGINEERED 3-SIDED PRECAST CULVERT BRIDGE OR APPROVED EQUAL. PROTECT EXISTING CONCRETE CHANNEL AND UTILITIES IN PLACE. PRIOR TO ORDERING MATERIALS, CONTRACTOR SHALL PROVIDE AN ENGINEERED TEMPORARY BRIDGE DESIGN WITH CALCULATIONS AND DRAWINGS STAMPED BY A CALIFORNIA LICENSED STRUCTURAL ENGINEER FOR ENGINEER'S APPROVAL.
5. SALVAGE AND RELOCATE EX MUFFIN MONSTER GRINDER PUMP ASSEMBLY. COORDINATE WITH CCWD REGARDING SHUTDOWN AND REMOVAL. INSTALL IN PROPOSED 824MH. PROVIDE ALL INCIDENTALS INCLUDING RAILING, MOUNTING HARDWARE, FITTINGS, NUTS AND BOLTS. POWER AND CONTROLS CONDUCTOR AND CONDUIT AS REQUIRED FOR A FULLY OPERATIONAL GRINDER. COORDINATE WITH OWNER FOR EXACT MODEL OF EXISTING GRINDER MODEL.

22x34 SHEETS: 1" = 10'
11x17 SHEETS: 1" = 20'

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CALAVERAS COUNTY WATER DISTRICT

HUCKLEBERRY LIFT STATION - PROPOSED UTILITY PLAN

VALLEY SPRINGS — CALAVERAS COUNTY — CALIFORNIA

REV	DATE	DESCRIPTION	BY
		100% DESIGN FOR BID AUGUST 2025	

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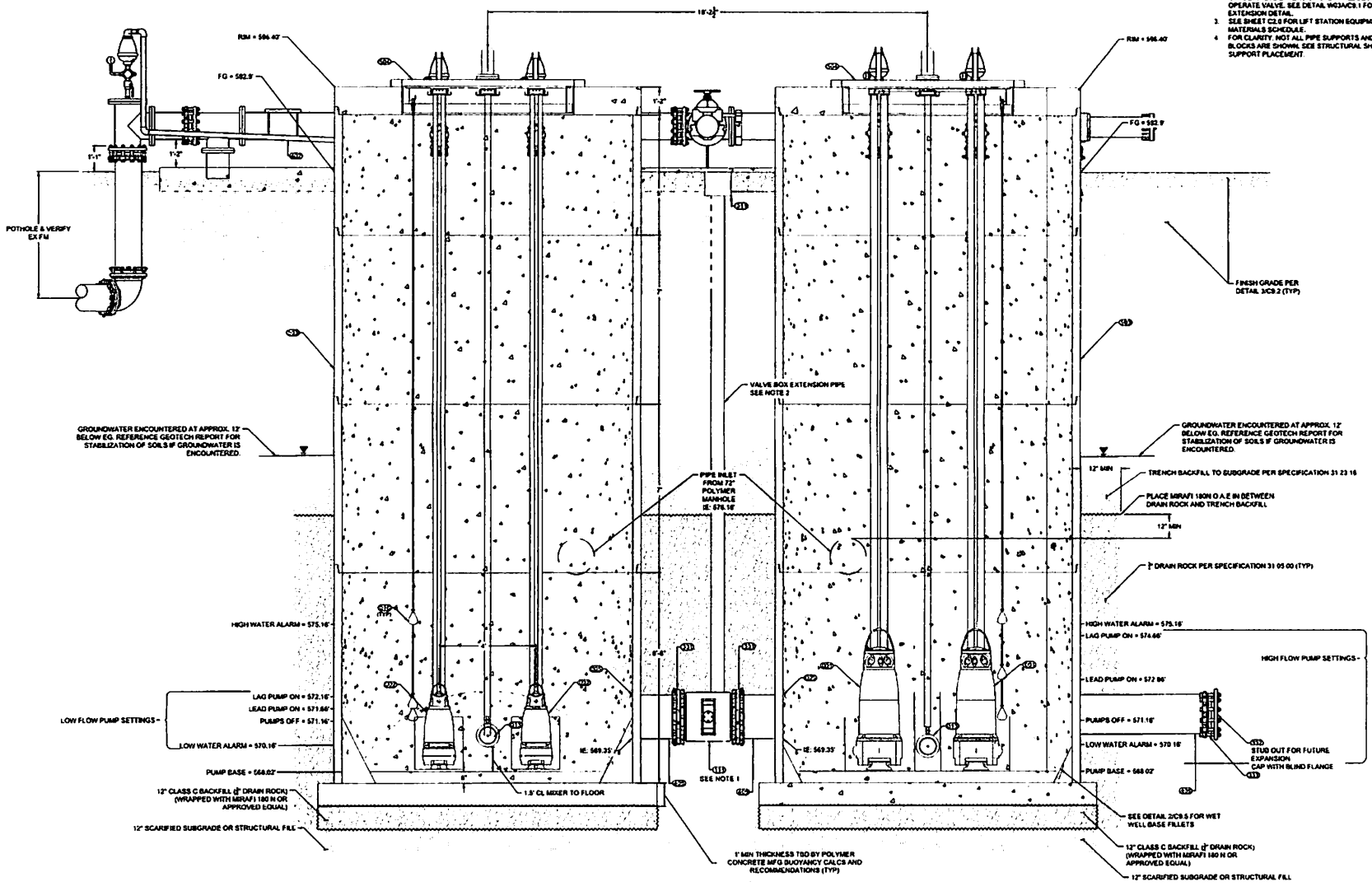
DESIGNED BY	DH
CHECKED BY:	MO
JOB NO.	11386.000



1 / C8.1 **WET WELL SECTION VIEW**
SCALE: 1" = 2'

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CALAVERAS COUNTY WATER DISTRICT

HUCKLEBERRY LIFT STATION - LIFT STATION SECTIONS 1

VALLEY SPRINGS — CALAVERAS COUNTY — CALIFORNIA

REV	DATE	DESCRIPTION	BY
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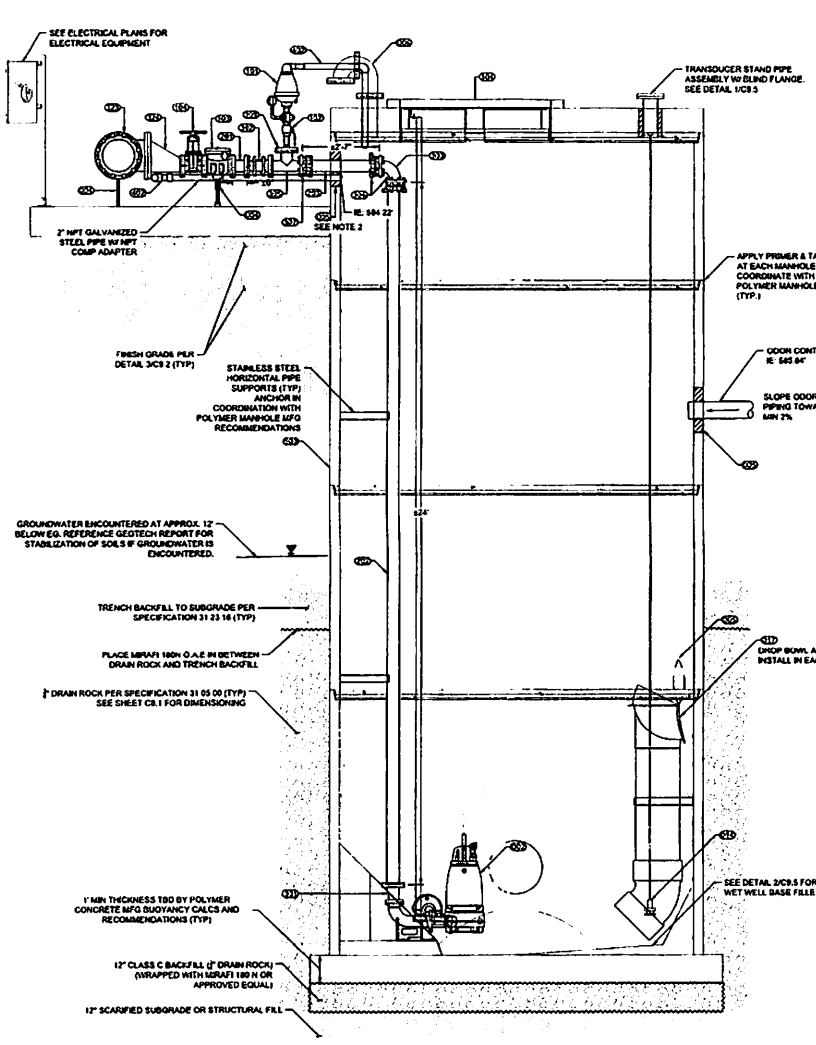
C8.1

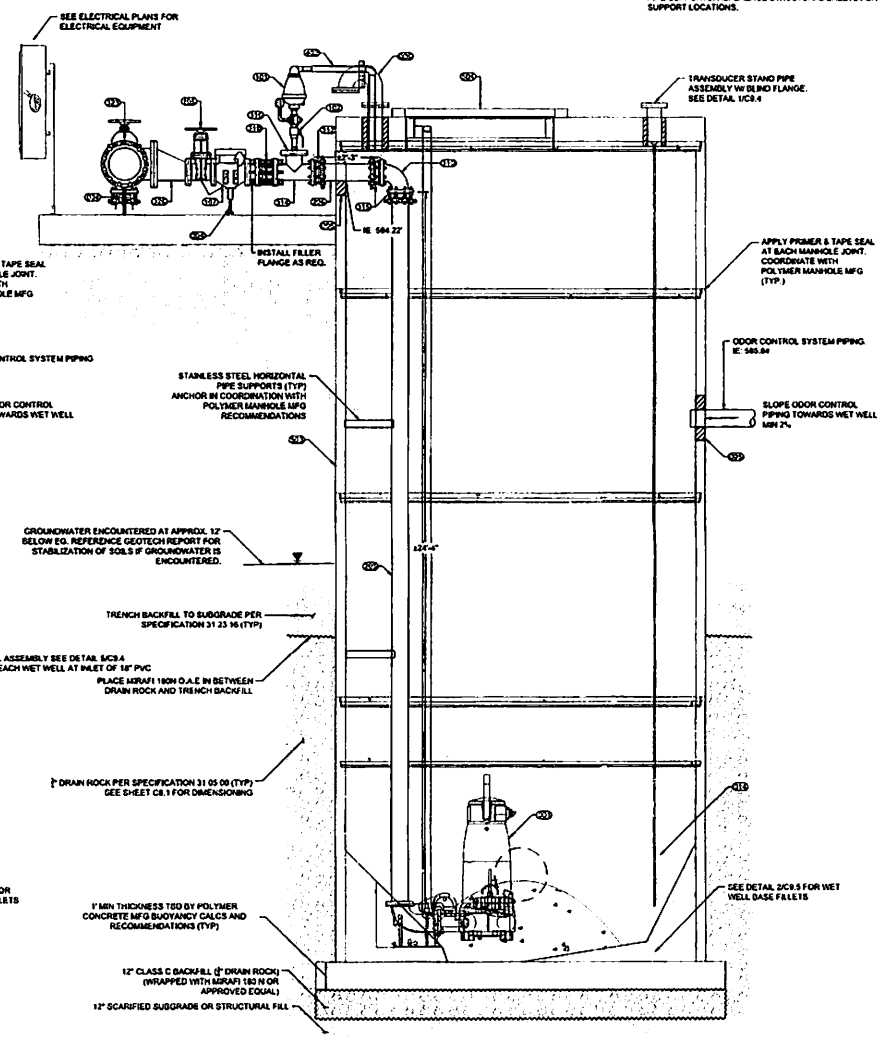
DRAWN BY:	KA
DESIGNED BY:	DN
CHECKED BY	MO
JOB NO.:	11300.000

NOTES

1. SEE SHEET C2.0 FOR LIFT STATION EQUIPMENT AND MATERIALS SCHEDULE.
2. JOINT WALL PENETRATION, FILL ANNULUS WITH GROUT IN COORDINATION WITH MANHOLE MFG.
3. SECTION VIEW MAY NOT ACCURATELY DEPICT LOCATION OF PIPE SUPPORTS. REFERENCE STRUCTURAL SHEETS FOR SUPPORT LOCATIONS.



1 C8.2 **LOW FLOW WET WELL SECTION**
SCALE: 1" = 2'



2 C8.2 **HIGH FLOW WET WELL SECTION**
SCALE: 1" = 2'

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CALAVERAS COUNTY WATER DISTRICT

HUCKLEBERRY LIFT STATION - LIFT STATION SECTIONS 2

VALLEY SPRINGS — CALAVERAS COUNTY — CALIFORNIA

REV.	DATE	DESCRIPTION	BY

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FOR BID
AUGUST 2025

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