

# GARBERVILLE SANITARY DISTRICT

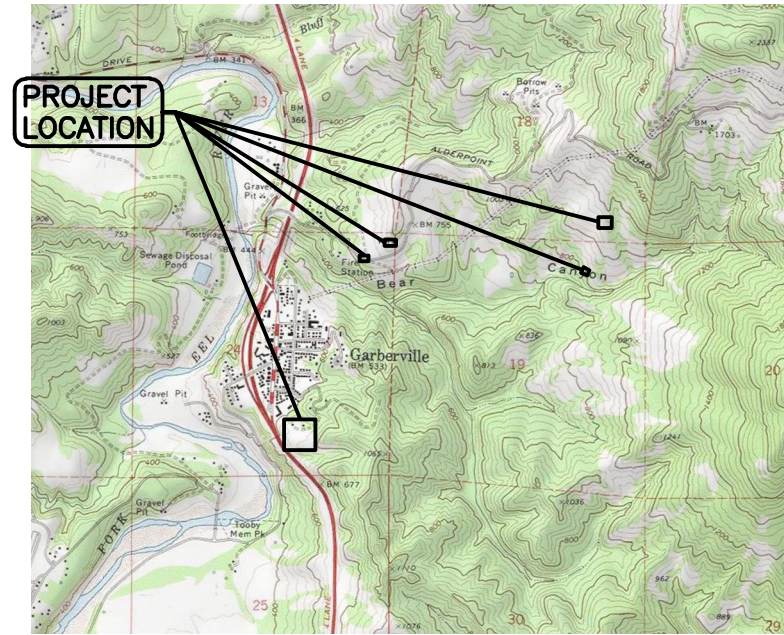
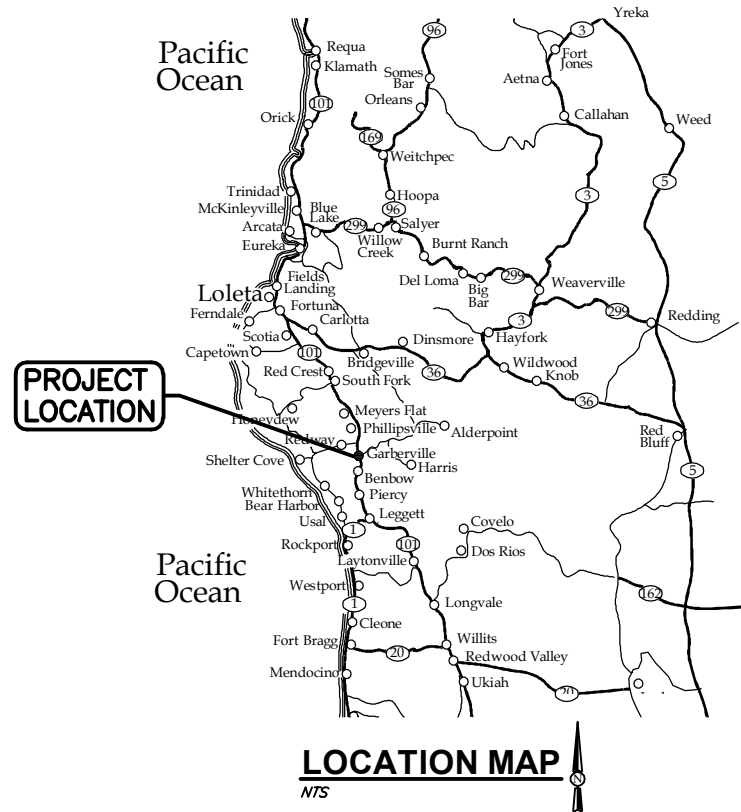
## ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT PROJECT

GARBERVILLE, CALIFORNIA

PREPARED BY:



SEPTEMBER 2023



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\* NOT INCLUDED IN 60% SUBMITTAL

SAVED: 9/29/2023 5:11 PM CNEWELL, PLOTTED: 10/14/2023 8:13 AM NEWELL, CHRIS  
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GARBERVILLE SANITARY DISTRICT  
 ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT  
 GARBERVILLE, CALIFORNIA

SHEET	G1.0
DATE	09/2023
PROJ. NO.	022067

60% DESIGN

COVER

SAVED: 9/29/2023 4:24 PM JFOSTER, PLOTTED: 10/14/2023 8:14 AM NEWELL, CHRIS  
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## ABBREVIATIONS

A	AGGR	AGGREGATE
	APPROX	APPROXIMATELY
	⊙	AT
B	BLDG	BUILDING
C	CAV	COMBINATION AIR VALVE
	CLR	CLEAR
	C	CENTERLINE
	CO	CLEANOUT
	CONC	CONCRETE
	CONT	CONTINUOUS OR CONTINUED
	CTR	CENTER
D	DI	DEGREE (ANGLE)
	DI	DROP INLET OR DUCTILE IRON
	DIA	DIAMETER
	DIM	DIMENSION
	DET	DETAIL
	DWG	DRAWING
E	(E)	EXISTING
	EG	EXISTING GRADE/GROUND
	EL	ELBOW
	ELEC	ELECTRIC OR ELECTRICAL
	ELEV	ELEVATION
	EQ	EQUAL
	EW	EACH WAY
	EXST	EXISTING
F	FDN	FOUNDATION
	FG	FINISHED GRADE
	FH	FIRE HYDRANT
	FL	FLOW LINE
	FLR	FLOOR
	FT	FOOT OR FEET
G	GA	GAGE
	GAL	GALLON
	GPM	GALLONS PER MINUTE
	GRD	GRADE OR GROUND
	GV	GATE VALVE
H	HDPE	HIGH DENSITY POLYETHYLENE
	HOR	HORIZONTAL
	HT	HEIGHT
I	ID	INSIDE DIAMETER
	INV	INVERT
L	LB	POUND
	LF	LINEAR FEET
	LT	LEFT
M	MATL	MATERIAL
	MAX	MAXIMUM
	MECH	MECHANICAL
	MFR	MANUFACTURER
	MIN	MINIMUM OR MINUTE
	MJ	MECHANICAL JOINT
N	(N)	NEW
	NO	NUMBER OR NORMALLY OPEN
	NTS	NOT TO SCALE
	#	NUMBER
O	OC	ON CENTER
	OD	OUTSIDE DIAMETER
	OH	OVERHEAD
P	PERF	PERFORATED
	PRV	PRESSURE RELIEF VALVE
	PSI	POUNDS PER SQUARE INCH
	PVC	POLYVINYL CHLORIDE PLASTIC
Q	QTY	QUANTITY
R	R	RADIUS
	RC	RELATIVE COMPACTION
	RD	ROAD
	RFCG	RESTRAINED FLANGE COUPLING ADAPTER
	RSP	ROCK SLOPE PROTECTION
	RT	RIGHT OR RING TIGHT
	R/W	RIGHT OF WAY
S	SL	SLOPE
	SCHED	SCHEDULE
	SD	STORM DRAIN
	SF	SQUARE FOOT/FEET
	SHT	SHEET
	SIM	SIMILAR
	STA	STATION
T	TDH	TOTAL DYNAMIC HEAD
	TYP	TYPICAL
U	UTIL	UTILITY
V	VAR	VARIABLE
	VERT	VERTICAL
	VG	VALLEY GUTTER
W	w	WATER OR WIDE FLANGE
	w/	WITH

## UTILITIES LEGEND

### PROPOSED

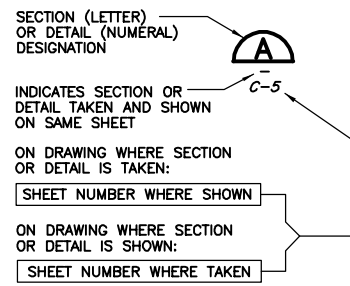
⊘	GATE VALVE
∩	CHECK VALVE
■	DROP INLET
—SD—	STORM DRAIN LINE
—W—	WATER LINE

## TOPOGRAPHIC LEGEND

### PROPOSED

47.55	FINISH GRADE ELEVATION
⌒	TOP OF CUT
⌒	TOP OF FILL
200	CONTOUR LINE
***	FENCE

## DETAIL AND SECTION DESIGNATION



## CURVE DATA

R	(RADIUS)
L	(LENGTH)
Δ	(DELTA)
T	(TANGENT)

## NOTES

- CONTACT THE ENGINEER FOR SYMBOLS NOT LISTED.
- THIS IS A STANDARD SHEET, THEREFORE, SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS SHEET WHICH DO NOT APPEAR ON THE PLANS.
- SITE AND UTILITY SYMBOLS SHOWN ON THIS SHEET ARE NOT INTENDED TO REPRESENT THE PHYSICAL SCALE OR SHAPE OF ANY ITEMS. WHERE LARGE-SCALE PLANS ARE PRESENTED, THE SYMBOLS SHOWN HEREON MAY BE REPLACED BY DETAILS MORE SUITED TO THE DRAWING SCALE.

## GENERAL NOTES:

- ALL WORK SHALL CONFORM TO CURRENT CALIFORNIA BUILDING CODE.
- THE WORKING DRAWINGS ARE GENERALLY DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW REQUIRED FOR INSTALLATION IN THE SPACE PROVIDED. THEY DO NOT SHOW EVERY DIMENSION, COMPONENT PIECE, SECTION, JOINT OR FITTING REQUIRED TO COMPLETE THE PROJECT. ALL LOCATIONS FOR WORK SHALL BE CHECKED AND COORDINATED WITH EXISTING CONDITIONS IN THE FIELD BEFORE BEGINNING CONSTRUCTION. EXISTING UNDERGROUND UTILITIES WITHIN THE LIMITS OF EXCAVATION SHALL BE VERIFIED AS TO CONDITION, SIZE AND LOCATION BY UNCOVERING, PROVIDED SUCH IS PERMITTED BY LOCAL PUBLIC AUTHORITIES WITH JURISDICTION, BEFORE BEGINNING CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES.
- THE CONTRACTOR SHALL SECURE NECESSARY PERMITS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- CONTRACTOR SHALL PERFORM TRENCH WORK IN CONFORMANCE WITH CAL/OSHA REQUIREMENTS.
- CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, GENERAL CONTRACTOR WILL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. ALL WORK AND EQUIPMENT SHALL COMPLY WITH CAL/OSHA REQUIREMENTS. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- THE CONTRACTOR SHALL INDEPENDENTLY REVIEW GROUND TOPOGRAPHY AND TREE CONDITIONS THROUGHOUT THE SITE, AND ASSUME THE RISK OF COMPLETING THE WORK SET OUT ON THESE PLANS, REGARDLESS OF ROCK, WATER TABLE OR OTHER CONDITIONS WHICH MAY BE ENCOUNTERED IN THE COURSE OF THE WORK.
- ANY DISCREPANCY DISCOVERED BY THE CONTRACTOR IN THESE PLANS, OR ANY FIELD CONDITIONS DISCOVERED BY THE CONTRACTOR THAT MAY DELAY OR OBSTRUCT THE PROPER COMPLETION OF THE WORK SHOWN HEREIN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND THE ENGINEER IMMEDIATELY UPON DISCOVERY. SAID NOTIFICATION SHALL BE IN WRITING.
- ALL UNDERGROUND IMPROVEMENTS SHALL BE INSTALLED TESTED AND APPROVED PRIOR TO PAVING.
- THE CONTRACTOR SHALL NOT BEGIN EXCAVATING UNTIL ALL EXISTING UTILITIES HAVE BEEN MARKED IN THE FIELD. THE CONTRACTOR SHALL NOTIFY EACH APPLICABLE ENTITY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. CALL UNDERGROUND SERVICE ALERT (USA) TWO WORKING DAYS BEFORE DIGGING AT (800) 227-2600 FOR LOCATES.
- GRADING AND CONSTRUCTION CONTRACTORS SHALL STOP WORK AND NOTIFY THE OWNER AND THE ENGINEER IF CULTURAL RESOURCES ARE DISCOVERED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL GIVE THE INSPECTOR 48 HOURS ADVANCE NOTICE OF ANY CONSTRUCTION OR REQUIRED TESTING.
- SHOULD THE CONTRACTOR OR ANY OF HIS AGENTS OR EMPLOYEES ENCOUNTER OR DISCOVER MATERIALS WHICH APPEAR TO BE HAZARDOUS DURING THE PERFORMANCE OF THE WORK, THE CONTRACTOR SHALL INFORM THE ENGINEER IMMEDIATELY AND SUSPEND WORK IN THE AFFECTED AREA UNTIL THE ENGINEER HAS INSPECTED THE LOCATION AND MATERIALS IN QUESTION. SHOULD IT BE NECESSARY TO UNDERTAKE REMEDIATION, THE ENGINEER WILL GIVE WRITTEN NOTICE TO SUSPEND WORK IN THE AFFECTED AREA UNTIL THE PROPER COURSE OF ACTION HAS BEEN DETERMINED. OPERATIONS IN THE AFFECTED AREA SHALL BE RESUMED ONLY UPON WRITTEN NOTICE BY THE ENGINEER.
- ALL SITE GRADING WILL BE INSPECTED BY THE ENGINEER. COMPACTION TESTING WILL BE CONDUCTED AFTER SUFFICIENT DENSITIES HAVE BEEN ACHIEVED IN THE CONTRACTOR'S OPINION. THE CONTRACTOR SHALL MAKE ALL REQUESTS FOR MATERIALS TESTING AT LEAST 48 HOURS IN ADVANCE. ANY SOILS THAT FAIL TO MEET THE REQUIRED COMPACTION LEVELS SHALL BE REMOVED, AND RECOMPACTED. ALL COSTS ASSOCIATED WITH ACHIEVING COMPACTION STANDARDS SHALL BE INCLUDED IN THE CONTRACTOR'S ORIGINAL BID.
- THE TOPSOIL SHALL BE REMOVED FROM CUT AND FILL AREAS AND SHALL NOT BE USED FOR ENGINEERED FILL. TOPSOIL SHALL BE STOCKPILED SEPARATELY AND REPLACED OVER AREAS OF EXPOSED SUBGRADE TO A MINIMUM DEPTH OF 6 INCHES.
- NO CHANGES OR MODIFICATIONS SHALL BE MADE TO THESE PLANS WITHOUT WRITTEN APPROVAL BY THE ENGINEER.

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	BY
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	DATE
	NO.


DESIGN -  
 DR CDN/JWF  
 CHK JSO  
 APVD

GARBERVILLE SANITARY DISTRICT  
 ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT  
 GARBERVILLE, CALIFORNIA

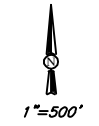
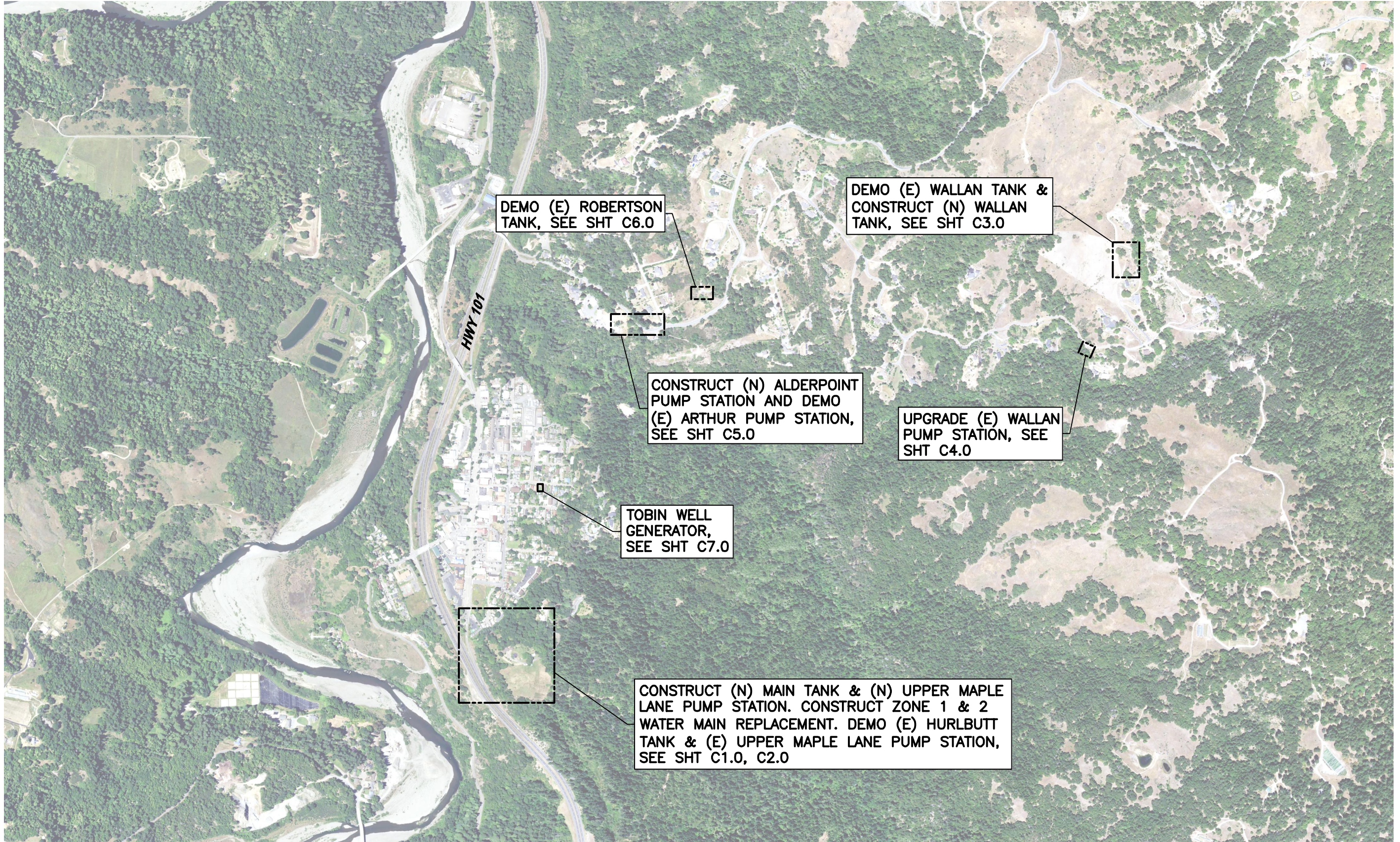
**GENERAL NOTES**

SHEET	G2.0
SEQ	
DATE	09/2023
PROJ. NO.	022067

**60% DESIGN**



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CHK	JSO
APVD	

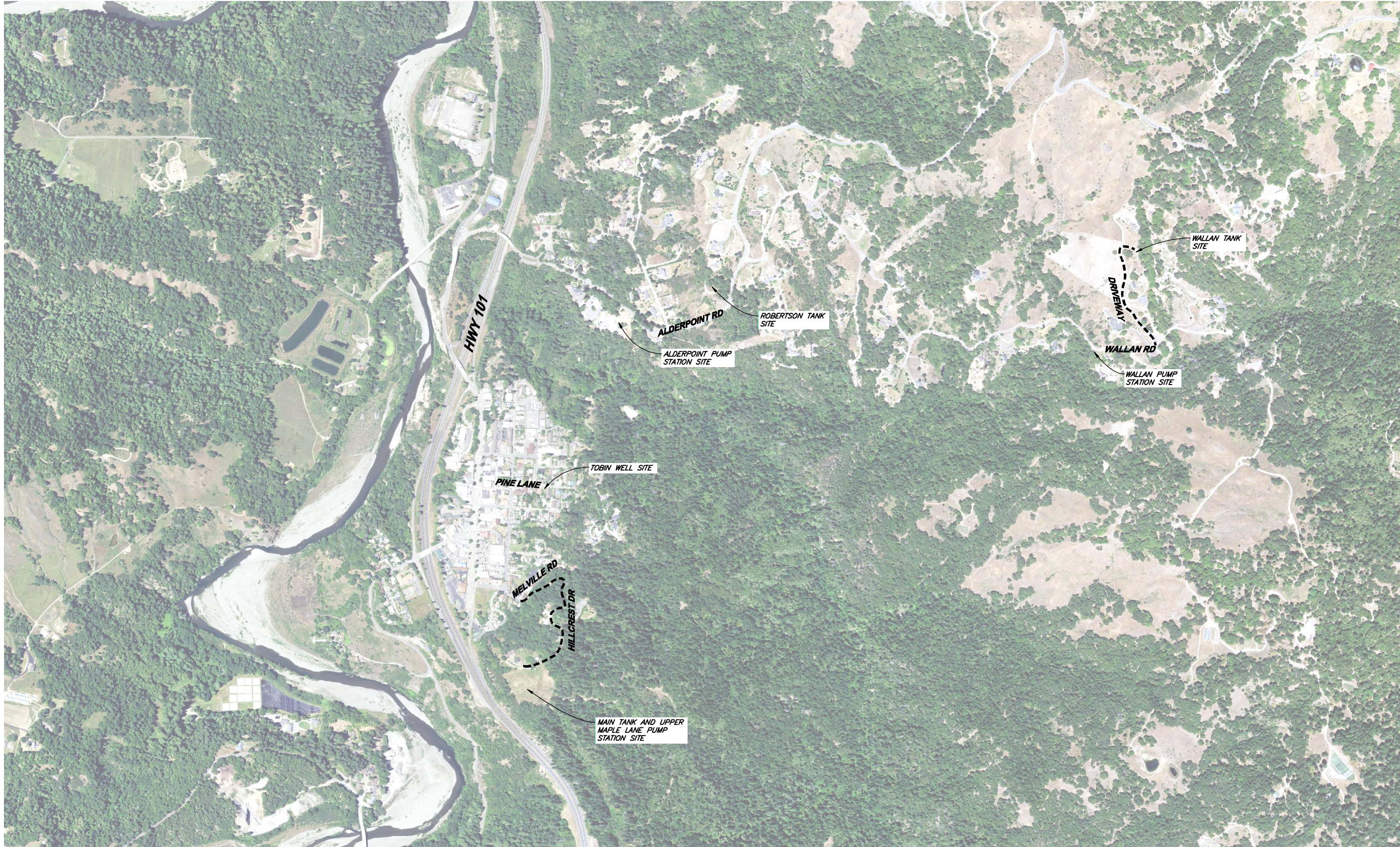
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 ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT  
 GARBERVILLE, CALIFORNIA

**PROJECT OVERVIEW**

SHEET	<b>G3.0</b>
SEQ	
DATE	09/2023
PROJ. NO.	022067



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1"=500'

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GARBERVILLE SANITARY DISTRICT ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT GARBERVILLE, CALIFORNIA			
<b>SITE ACCESS PLAN</b>			
SHEET	G4.0		
SEQ			
DATE	09/2023		
PROJ. NO.	022067		
NO.	DATE	REVISION	BY



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PLAN  
 NTS



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 GARBERVILLE, CALIFORNIA

SHEET  
**C1.0**

SEQ

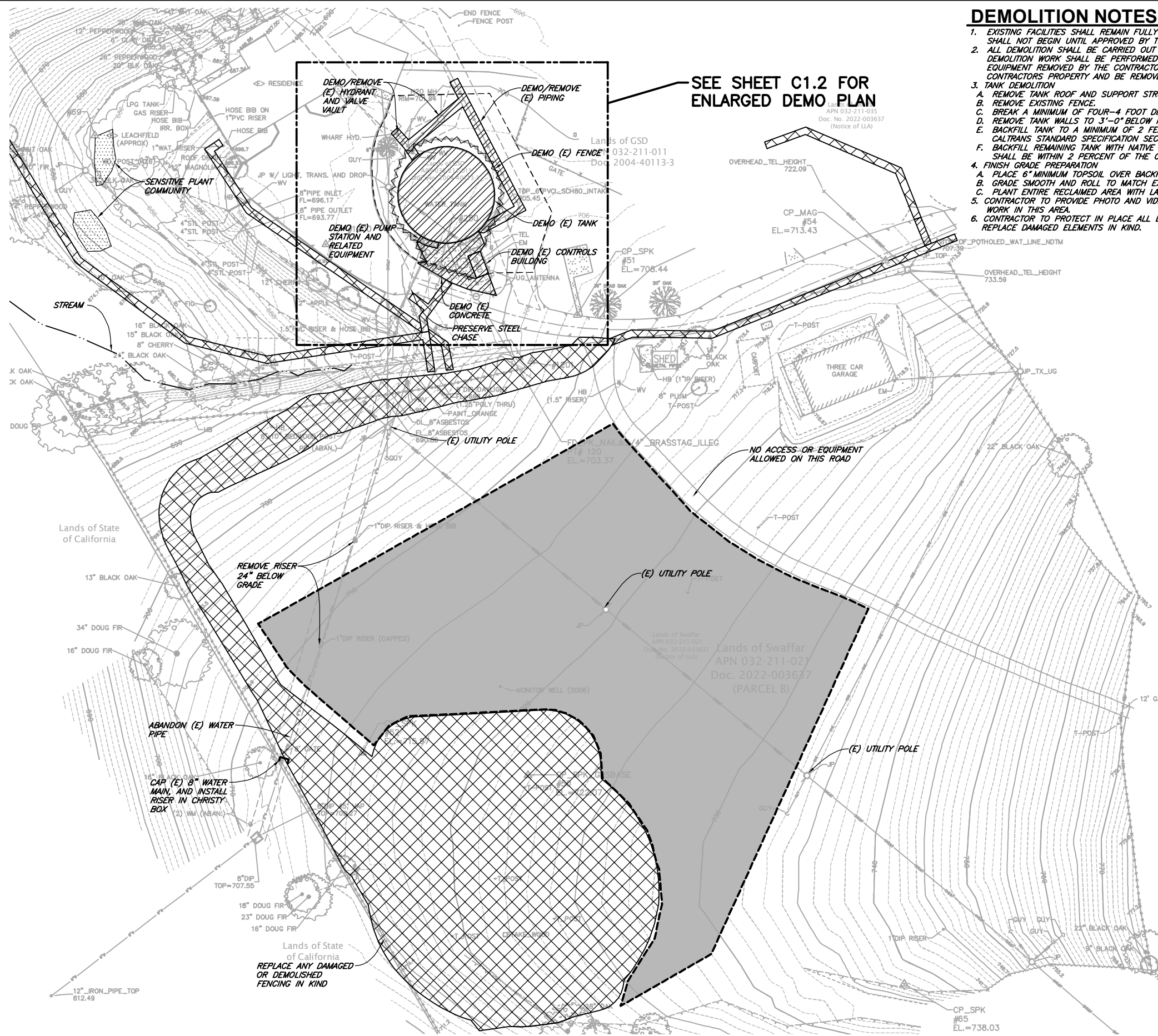
DATE 09/2023

PROJ. NO.  
 022067

**MAIN TANK OVERVIEW**



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


SEE SHEET C1.2 FOR ENLARGED DEMO PLAN

**DEMOLITION NOTES:**


1. EXISTING FACILITIES SHALL REMAIN FULLY OPERATIONAL UNTIL NEW FACILITIES ARE FULLY OPERATIONAL. DEMOLITION OF EXISTING FACILITIES SHALL NOT BEGIN UNTIL APPROVED BY THE OWNER AND THE ENGINEER.
2. ALL DEMOLITION SHALL BE CARRIED OUT IN A MANNER WHICH WILL PREVENT INJURY TO WORKERS AND DAMAGE TO ADJACENT FACILITIES. DEMOLITION WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LAWS AND ORDINANCES. EXISTING MATERIALS AND EQUIPMENT REMOVED BY THE CONTRACTOR SHALL NOT BE REUSED IN THE WORK UNLESS OTHERWISE SPECIFIED, AND BECOME THE CONTRACTOR'S PROPERTY AND BE REMOVED FROM THE JOB SITE AND PROPERLY DISPOSED OF, EXCEPT AS NOTED BELOW.
3. TANK DEMOLITION
  - A. REMOVE TANK ROOF AND SUPPORT STRUCTURE.
  - B. REMOVE EXISTING FENCE.
  - C. BREAK A MINIMUM OF FOUR-4 FOOT DIAMETER HOLES THROUGH TANK FLOOR TO PROVIDE DRAINAGE THROUGH TANK.
  - D. REMOVE TANK WALLS TO 3'-0" BELOW FINISHED GRADE. CONCRETE RUBBLE TO BE PAVED EVENLY ACROSS TANK BOTTOM.
  - E. BACKFILL TANK TO A MINIMUM OF 2 FEET OVER TOP OF CONCRETE RUBBLE WITH CLASS 2 PERMEABLE MATERIAL IN ACCORDANCE WITH CALTRANS STANDARD SPECIFICATION SECTION 68-1.025.
  - F. BACKFILL REMAINING TANK WITH NATIVE MATERIAL TO 6" BELOW FINISHED GRADE. NATIVE MATERIAL TO BE PLACED IN 8-INCH LIFTS AND SHALL BE WITHIN 2 PERCENT OF THE OPTIMUM MOISTURE CONTENT. COMPACT NATIVE MATERIAL TO 90% RELATIVE COMPACTION.
4. FINISH GRADE PREPARATION
  - A. PLACE 6" MINIMUM TOPSOIL OVER BACKFILL.
  - B. GRADE SMOOTH AND ROLL TO MATCH EXISTING CONTOURS.
  - C. PLANT ENTIRE RECLAIMED AREA WITH LAWN GRASS AND APPLY FERTILIZER AT MANUFACTURERS RECOMMENDED RATES.
5. CONTRACTOR TO PROVIDE PHOTO AND VIDEO SURVEY OF PROPERTY TO DOCUMENT EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK IN THIS AREA.
6. CONTRACTOR TO PROTECT IN PLACE ALL LANDSCAPING AND ARCHITECTURAL ELEMENTS. IF DAMAGE OCCURS, THE CONTRACTOR IS TO REPLACE DAMAGED ELEMENTS IN KIND.

**LEGEND**

-  STAGING & STOCKPILING AREA
-  CLEARING AND GRUBBING
-  DEMOLITION
-  SENSITIVE PLANT COMMUNITY

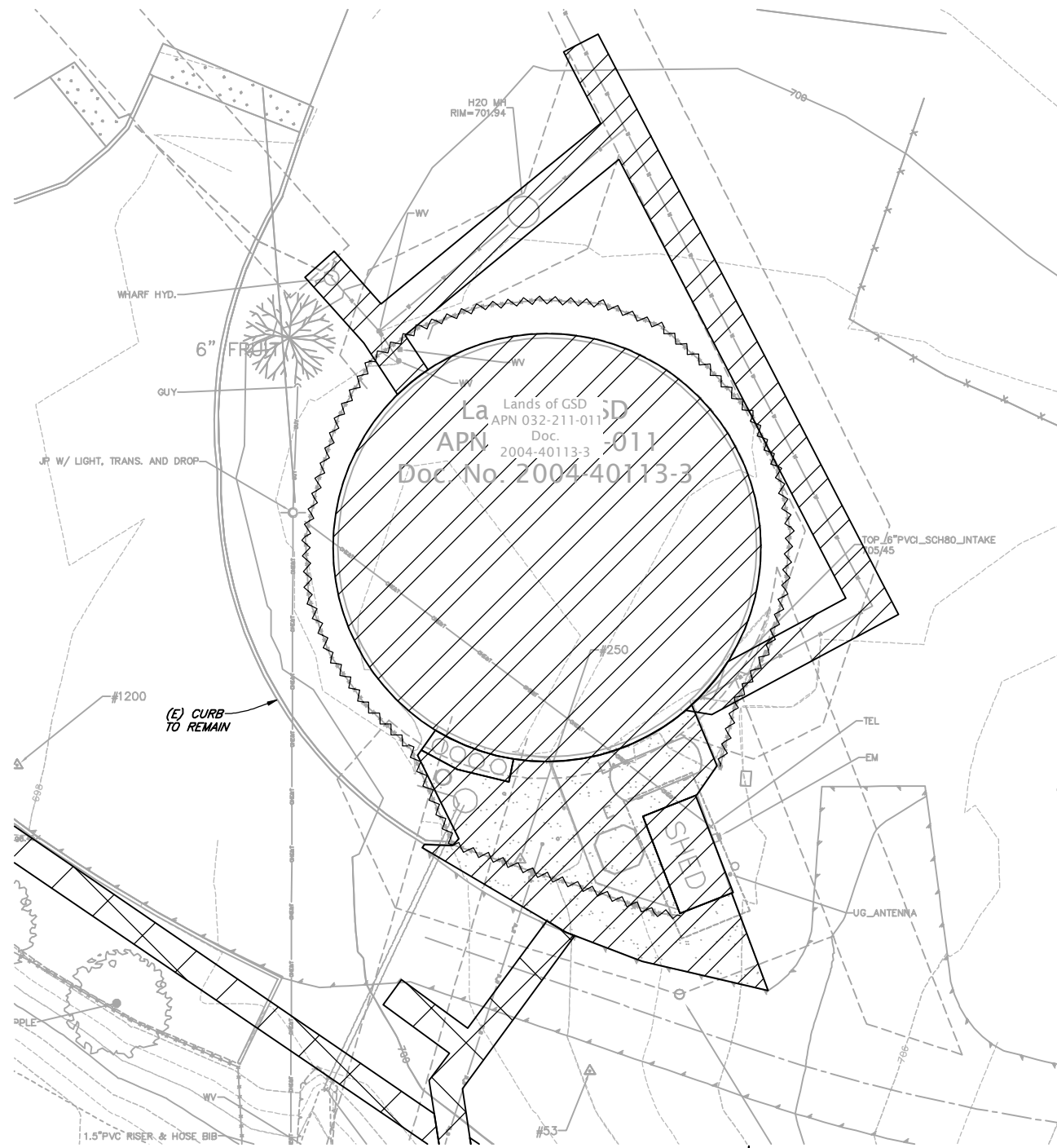
PLAN  
 1"=30'

60% DESIGN

	
812 W. WABASH AVE. EUREKA, CA 95501 WWW.S&W-CA.COM 707-441-8885	
DESIGN: MM DRAWN: JWF/CDN CHECK: JSO APPROVED: APVD	BY: _____ DATE: _____ NO.: _____ REVISION: _____
<b>GARBERVILLE SANITARY DISTRICT          ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT          GARBERVILLE, CALIFORNIA          MAIN TANK SITE PREPERATION AND          DEMOLITON PLAN</b>	
SHEET <b>C1.1</b>	
DATE <b>09/2023</b>	
PROJ. NO. <b>022067</b>	





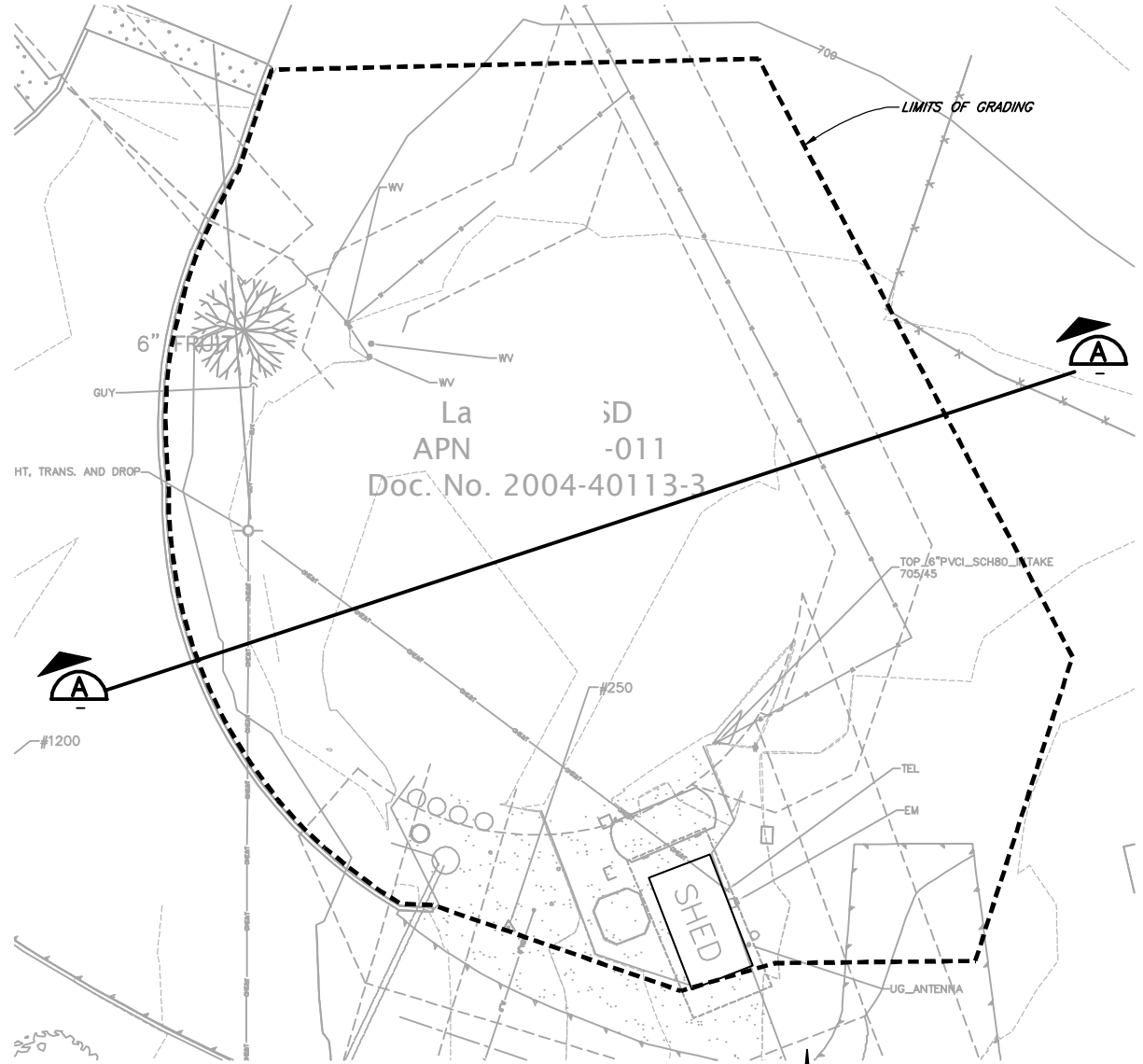
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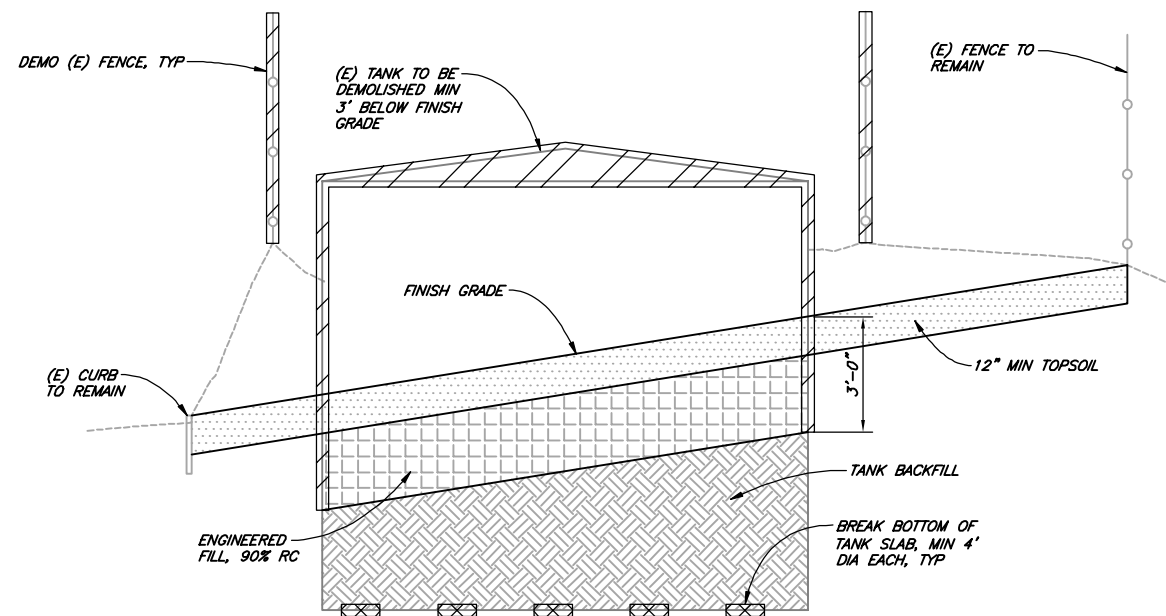
**ENLARGED DEMOLITION PLAN**  
 1"=10'

**LEGEND**

-  CLEARING AND GRUBBING
-  DEMOLITION




**SITE RESTORATION PLAN**  
 1"=20'



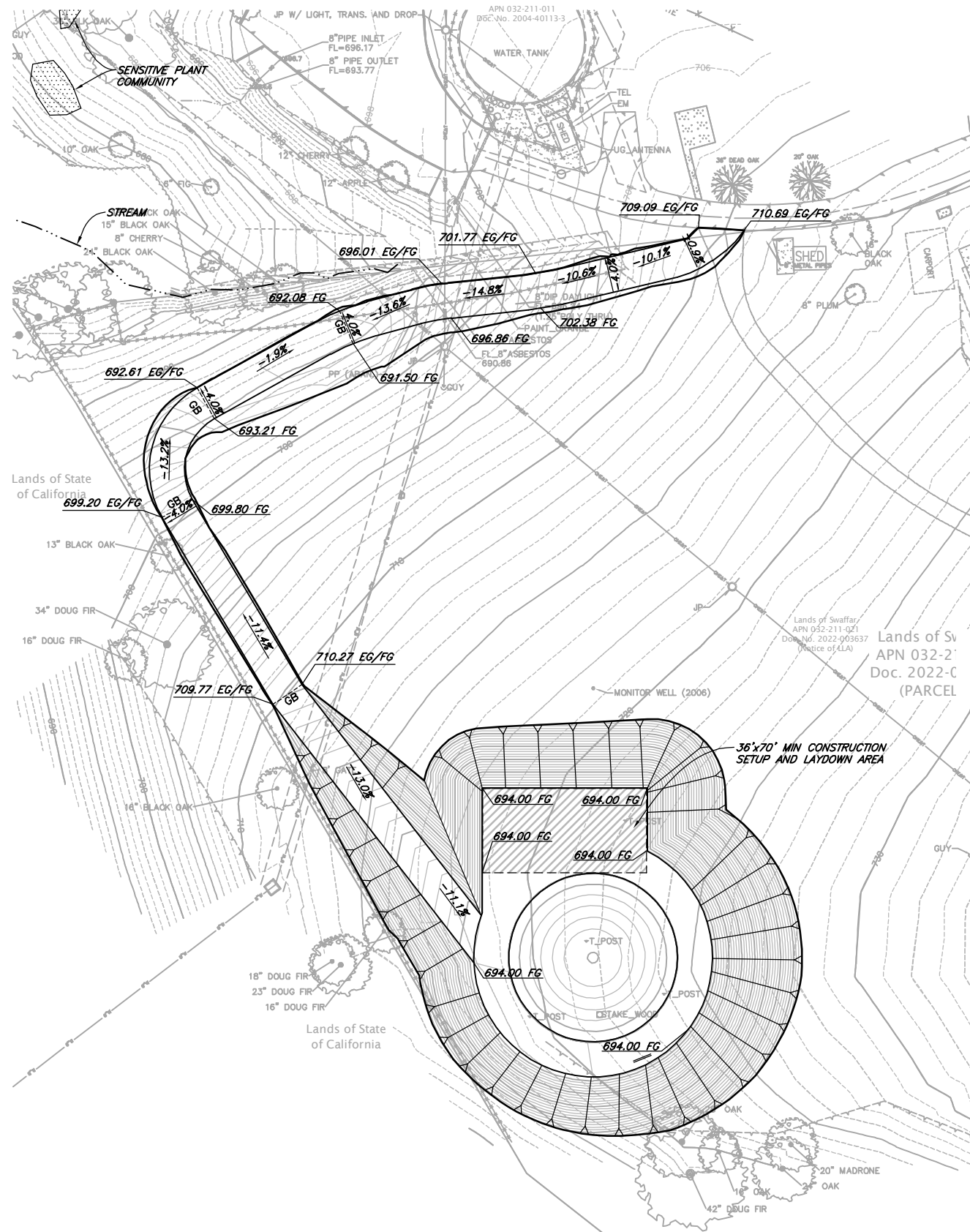
**SECTION A**  
 NTS

**60% DESIGN**

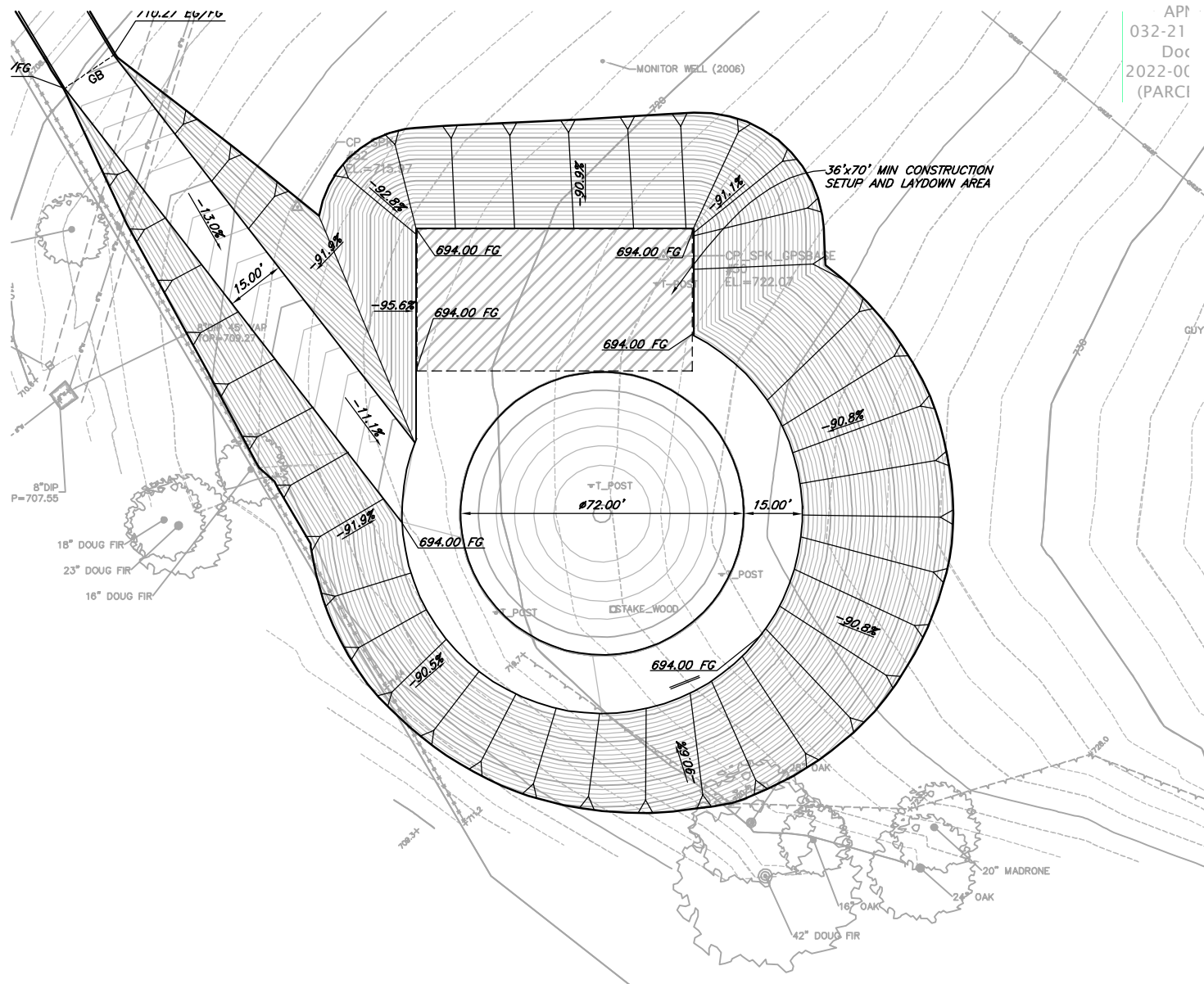
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GARBERVILLE SANITARY DISTRICT ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT GARBERVILLE, CALIFORNIA <b>ENLARGED DEMOLITION AND RESTORATION PLAN</b>		
SHEET <b>C1.2</b> SEQ DATE 09/2023 PROJ. NO. 022067		



SAVED: 9/29/2023 4:30 PM CNEWELL, PLOTTED: 10/14/2023 8:15 AM NEWELL, CHRIS  
 F:\Eureka\2022\022067-GSD-Water\Drawgs\022067-HURLBUTT-TANK-INT-GRDC.dwg



**PLAN**  
 1"=30'



**PLAN**  
 1"=20'

- NOTES:**
- EXCAVATION GRADING DOES NOT SHOW EXCAVATION FOR TANK FOOTINGS, PIPING, ETC.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF ALL TEMPORARY EXCAVATIONS. REFER TO SHN GEOTECH REPORT FOR TEMPORARY SHORING PRECAUTIONS.

**60% DESIGN**

API  
 032-21  
 Doc  
 2022-00  
 (PARC)

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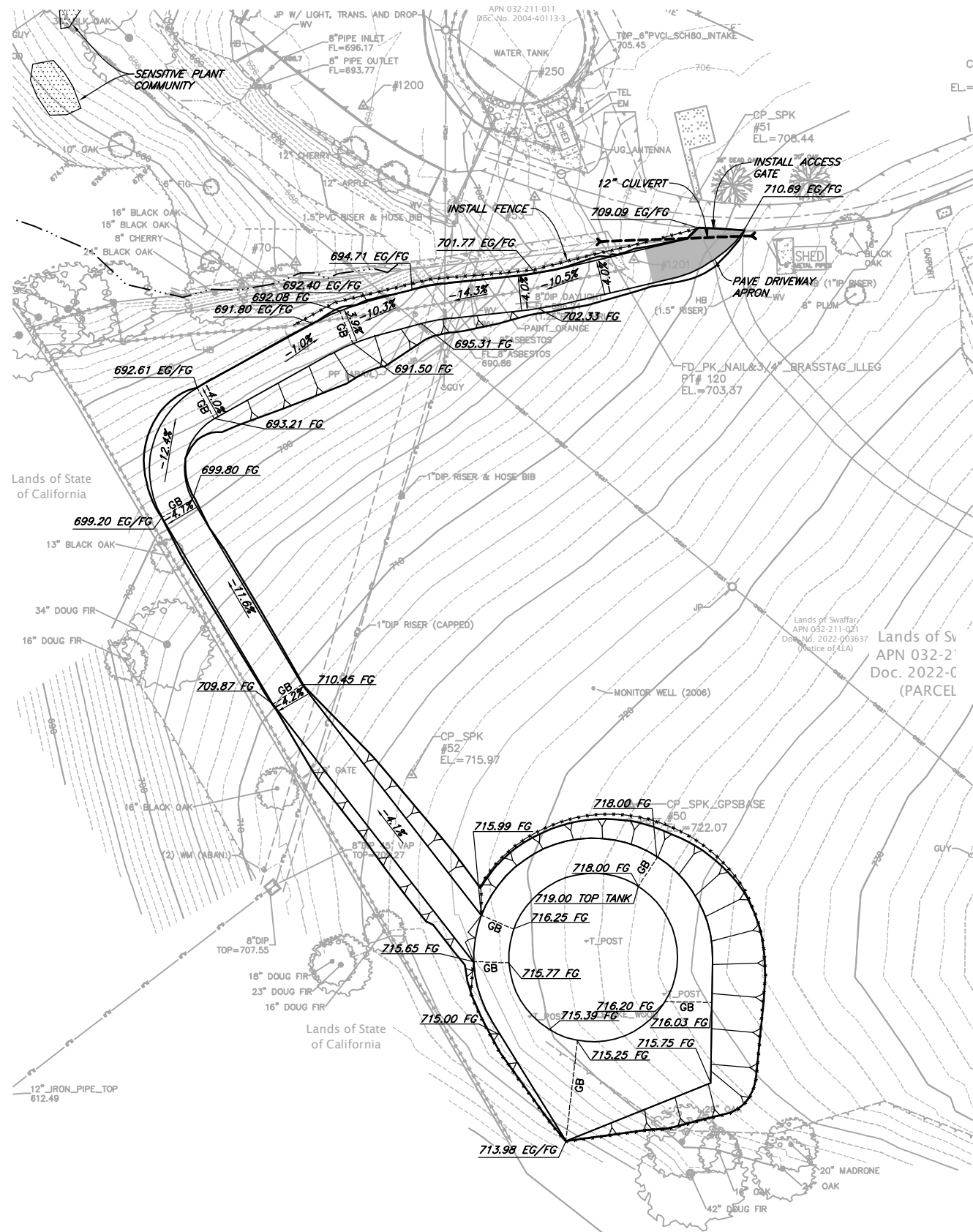
DESIGN	MM	BY
DR	JWF/CDN	
CHK	JSO	REVISION
APVD		DATE
		NO.

GARBERVILLE SANITARY DISTRICT  
 ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT  
 GARBERVILLE, CALIFORNIA  
**MAIN TANK CONSTRUCTION  
 EXCAVATION PLAN**

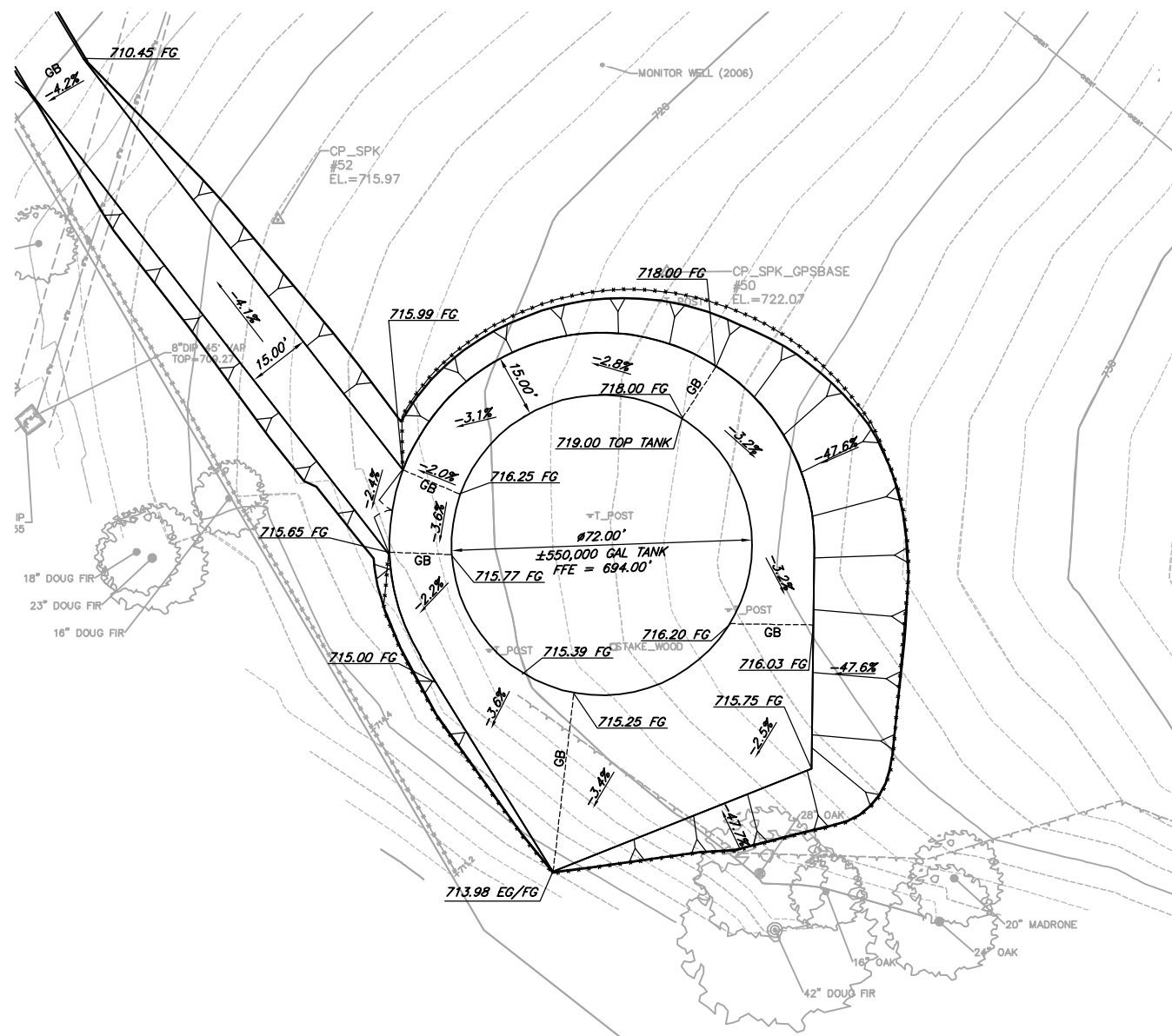
SHEET	C1.3
SEQ	
DATE	09/2023
PROJ. NO.	022067



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 F:\Eureka\2022\022067-GSD-Water\Draws\022067-HURLBUTT-TANK-FIN-GRDC.dwg



**PLAN**  
 1"=30'



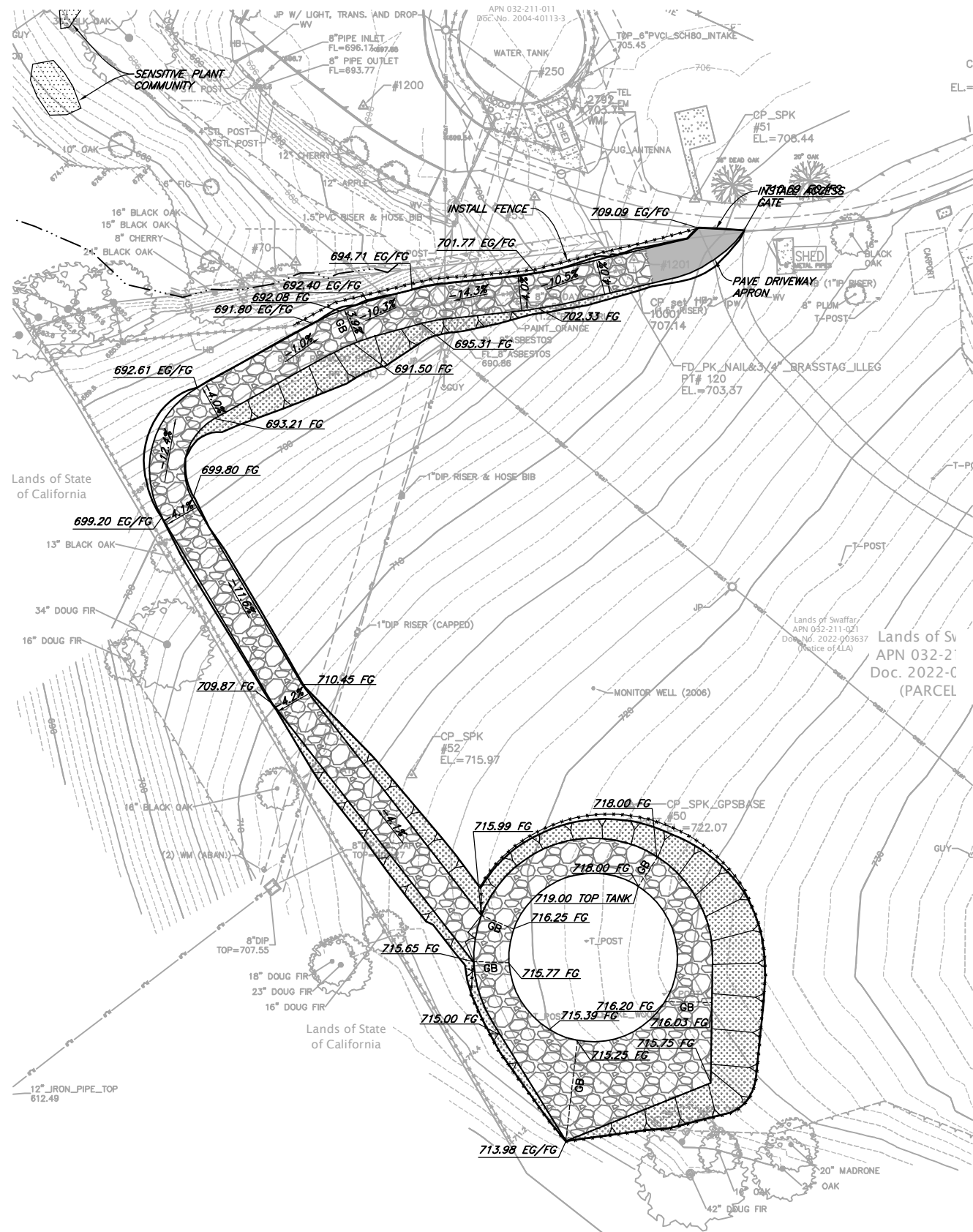
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 1"=20'

**60% DESIGN**

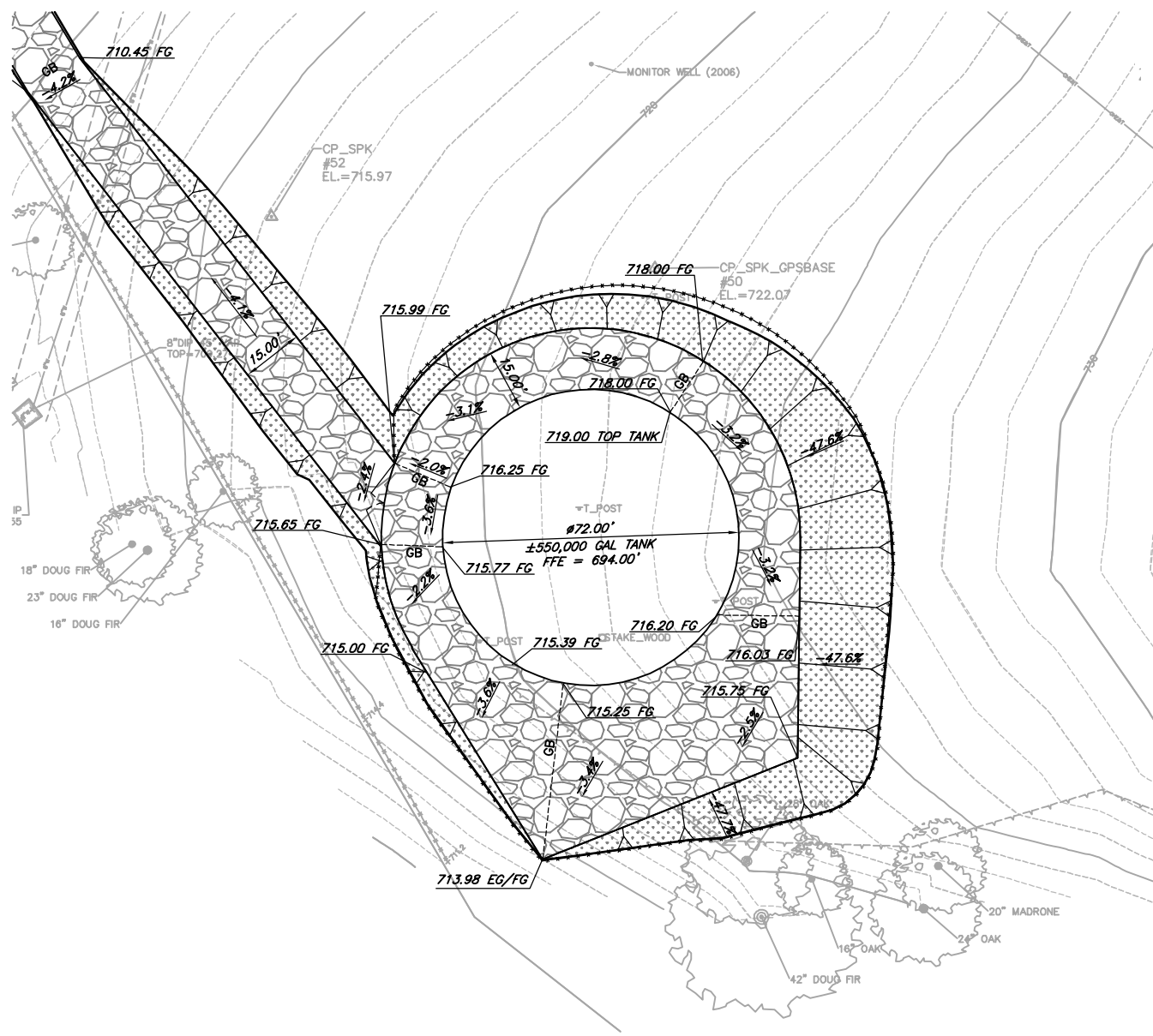
VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, SCALES ACCORDINGLY	
812 W. WABASH AVE. EUREKA, CA 95501 WWW.S&W-ENR.COM 707-441-8885	
<b>S&amp;W</b>	
DESIGN	BY
DR	REVISION
CHK	DATE
APVD	NO.
GARBERVILLE SANITARY DISTRICT ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT GARBERVILLE, CALIFORNIA	
<b>MAIN TANK FINISH GRADING PLAN</b>	
SHEET <b>C1.4</b>	
SEQ	
DATE 09/2023	
PROJ. NO. 022067	






SAVED: 9/29/2023 4:34 PM CNEWELL, PLOTTED: 10/14/2023 8:16 AM NEWELL, CHRIS  
 F:\Eureka\2022\022067-GSD-Water\Draws\022067-HURLBUTT-TANK-FIN-GRDC.dwg



**PLAN**  
1"=30'



**LEGEND**


-  CLASS 2 AB AT 95% RC
-  AC PAVEMENT
-  EROSION CONTROL SEEDING/PLANTING

**PLAN**  
1"=20'

**60% DESIGN**

**VERIFY SCALES**  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 IF NOT ONE INCH ON THIS SHEET, SCALES ACCORDINGLY

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NO.	DATE	REVISION	BY

DSGN: MM  
 DR: JWF/CDN  
 CHK: JSO  
 APVD: [Signature]

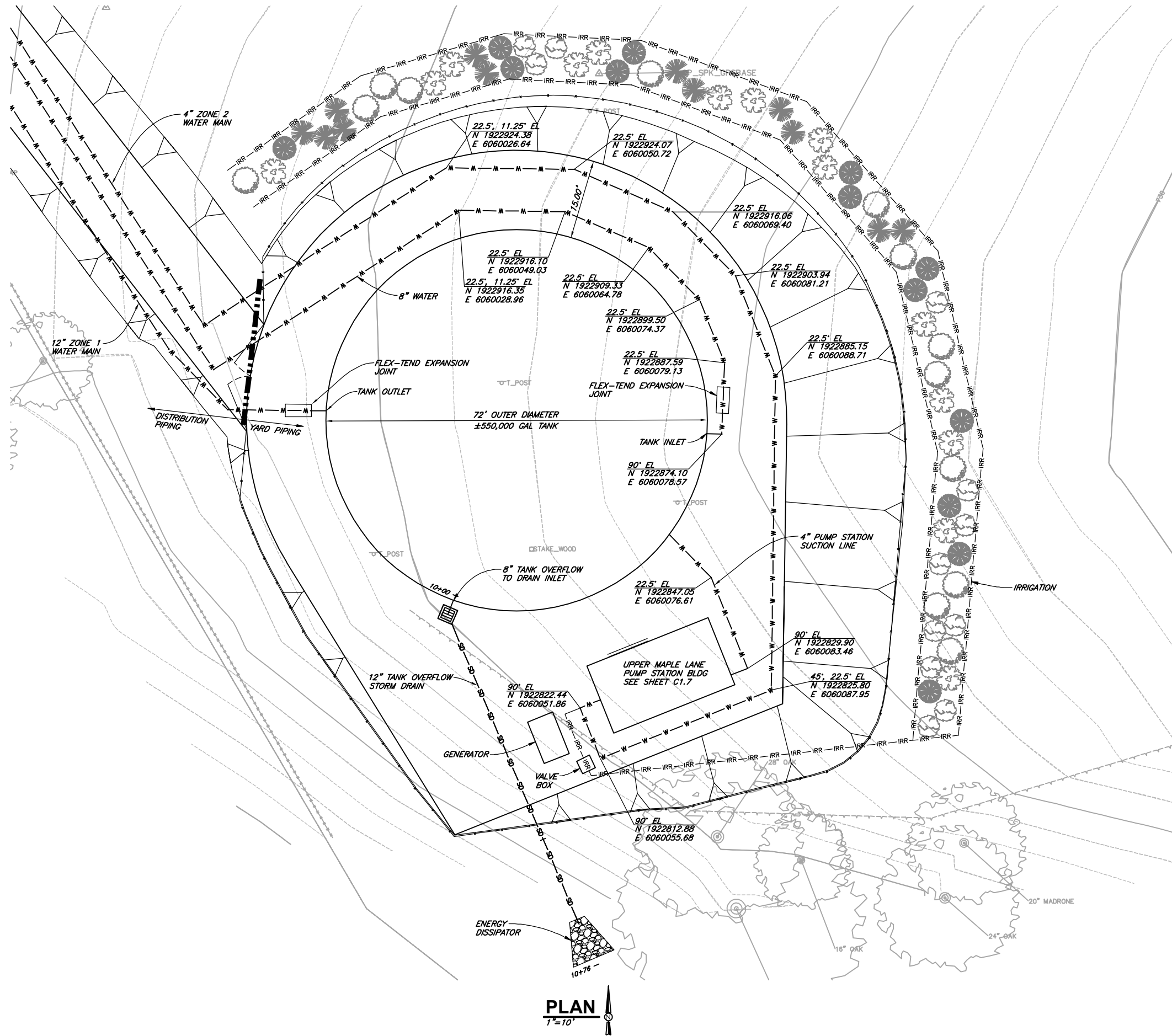
GARBERVILLE SANITARY DISTRICT  
 ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT  
 GARBERVILLE, CALIFORNIA

**MAIN TANK FINISH SURFACE MATERIALS**

SHEET **C1.5**  
 SEQ  
 DATE 09/2023  
 PROJ. NO. 022067



SAVED: 9/29/2023 5:07 PM CNEWELL, PLOTTED: 10/14/2023 8:16 AM NEWELL, CHRIS  
 F:\Eureka\2022\022067-GSD-Water\Drawgs\022067-HURLBUTT-TANK-YARD-PIPE.dwg



**PLAN**  
 1" = 10'

**60% DESIGN**

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 IF NOT ONE INCH ON THIS SHEET, SCALES ACCORDINGLY

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NO.	DATE	REVISION	BY

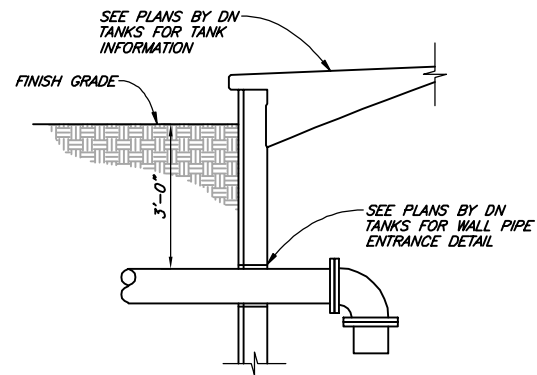
APVD	CHK	JSO	MM

GARBERVILLE SANITARY DISTRICT  
 ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT  
 GARBERVILLE, CALIFORNIA  
**MAIN TANK SITE PLAN & YARD PIPING**

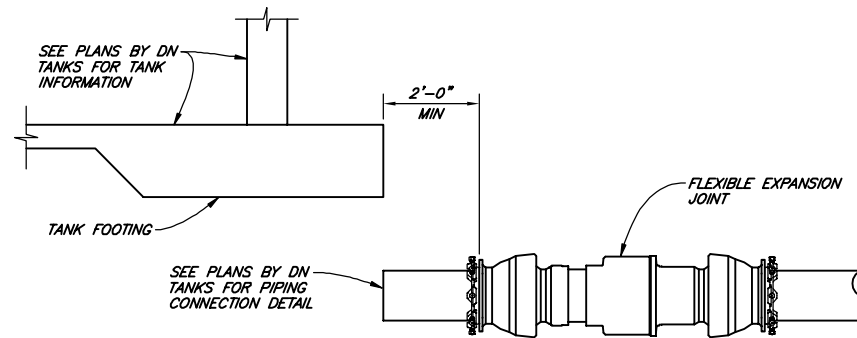
SHEET	<b>C1.6</b>
SEQ	
DATE	09/2023
PROJ. NO.	022067



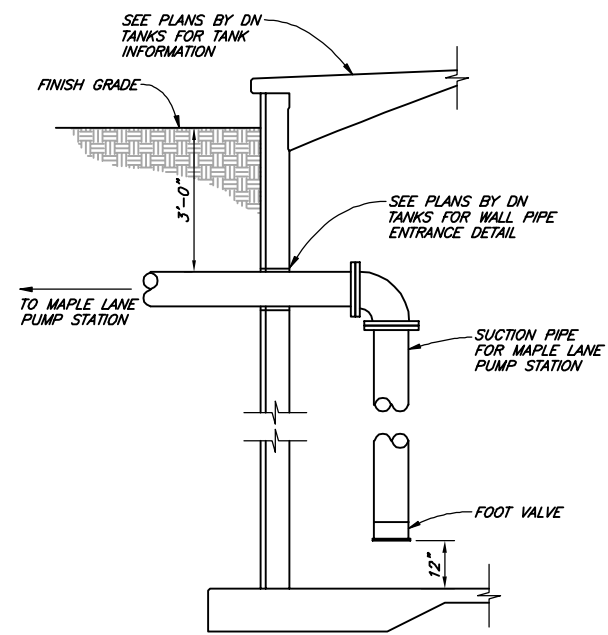
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 F:\Eureka\2022\GSD-Water\Draws\022067-HURLBUTT-TANK-YARD-PIPE.dwg



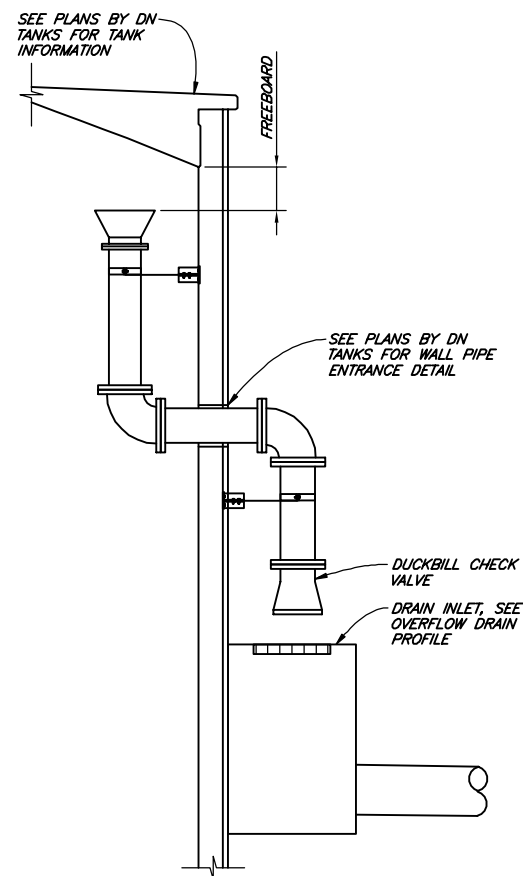
**TANK INLET**  
NTS



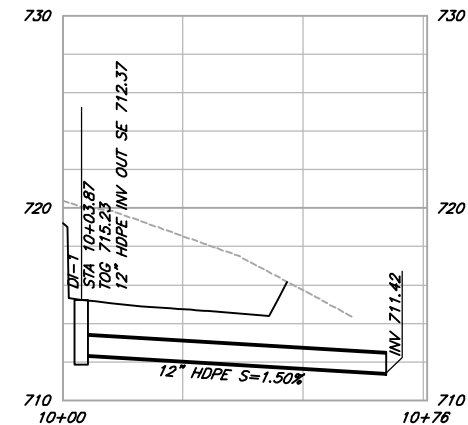
**TANK OUTLET**  
NTS



**UPPER MAPLE LANE PS CONNECTION**  
NTS



**TANK OVERFLOW**  
NTS



**OVERFLOW DRAIN PROFILE**  
SCALE: 1"=20' H  
1"=5' H

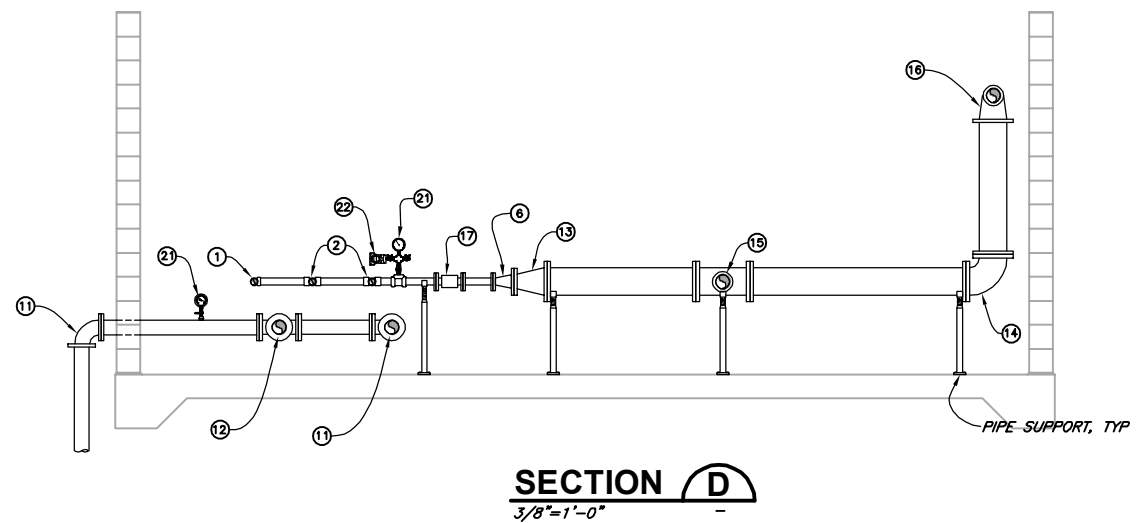
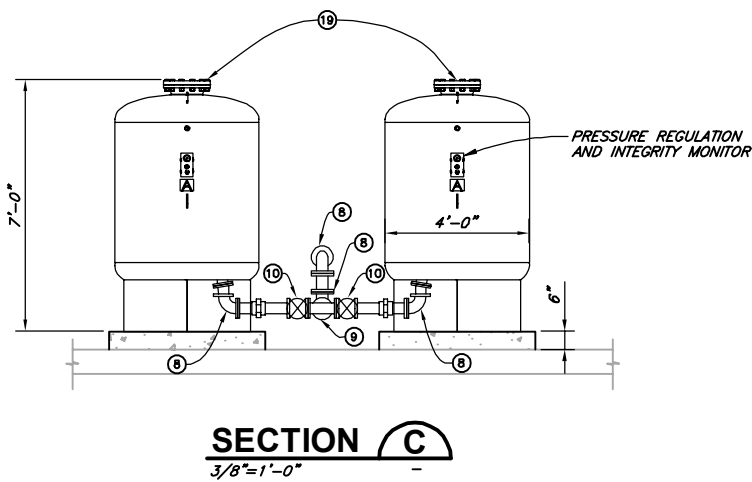
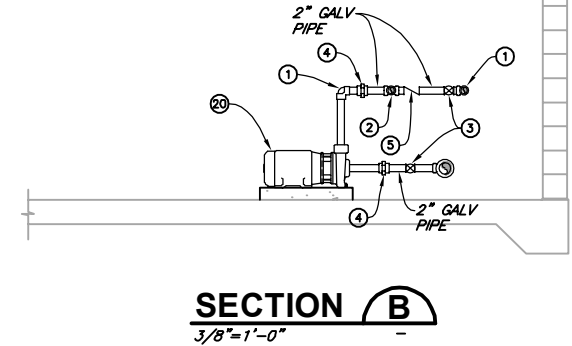
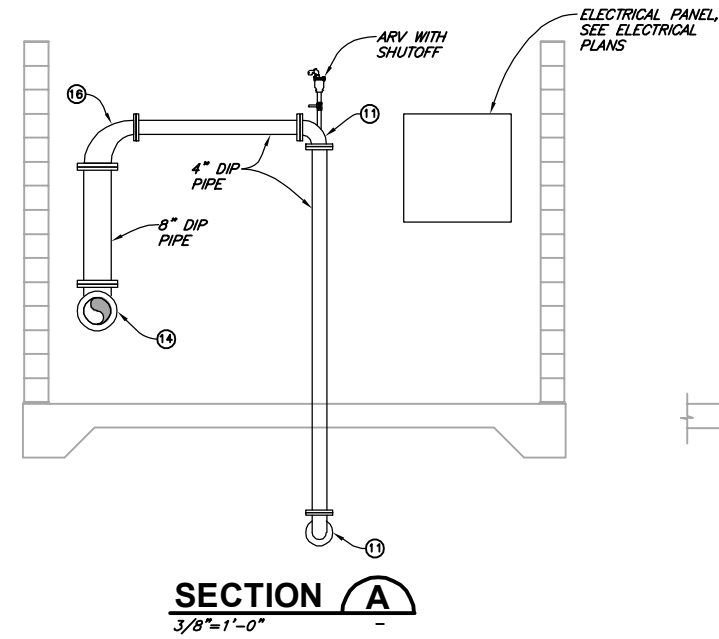
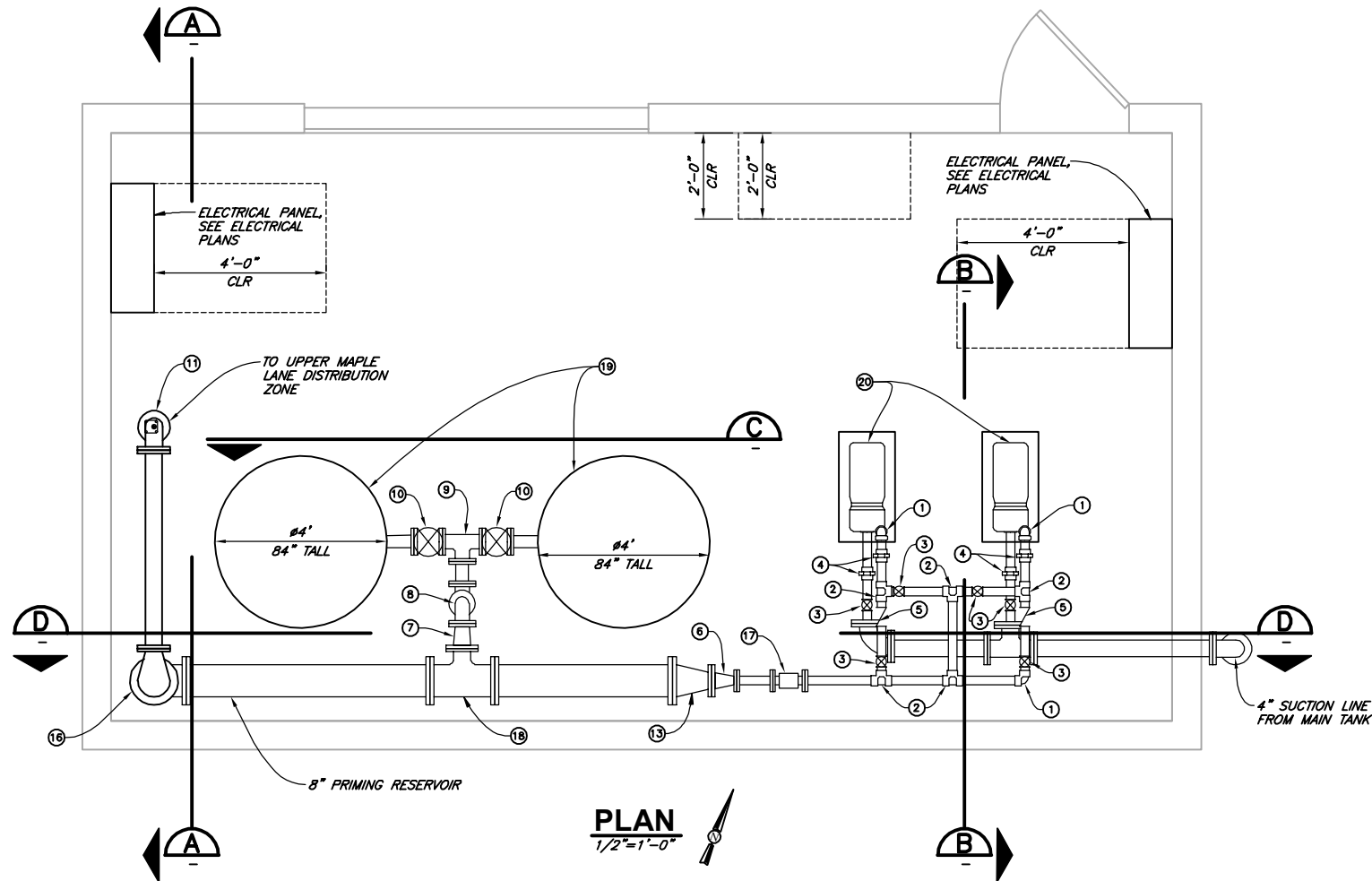
**60% DESIGN**

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, VERIFY SCALES ACCORDINGLY	
812 W. WABASH AVE. EUREKA, CA 95501 WWW.S&W-ENR.COM 707-441-8885	
BY	
REVISION	
DATE	
NO.	
DESIGN	MM
DR	JWF/CDN
CHK	JSO
APVD	
GARBERVILLE SANITARY DISTRICT ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT GARBERVILLE, CALIFORNIA	
<b>MAIN TANK CONNECTIONS</b>	
SHEET	C1.7
SEQ	
DATE	09/2023
PROJ. NO.	022067



**KEY NOTES:**

- |                  |                  |                      |  |
|------------------|------------------|----------------------|--|
| ① 2" GALV EL     | ⑦ 4"x3" DIP RDCR | ⑬ 8"x4" DIP RDCR     | ⑰ 422 GAL PRESSURE TANK, FULL ACCEPTANCE REPLACEABLE BLADDER |
| ② 2" GALV TEE    | ⑧ 3" DIP EL      | ⑭ 8" DIP EL          | ⑱ 2" END SUCTION PUMP, SEE SPECIFICATIONS                    |
| ③ 2" BALL VALVE  | ⑨ 3" DIP TEE     | ⑮ 8"x4" DIP RDCR TEE | ⑲ PRESSURE GAUGE ASSEMBLY 0-100PSI                           |
| ④ 2" GALV UNION  | ⑩ 3" GATE VALVE  | ⑯ 8"x4" RDCR EL      | ⑳ PRESSURE TRANSMITTER                                       |
| ⑤ 2" CHECK VALVE | ⑪ 4" DIP EL      | ⑰ 2" MAG FLOW METER  |  |
| ⑥ 4"x2" DIP RDCR | ⑫ 4" DIP TEE     | ⑱ 8"x4"x8" DIP TEE   |  |



SAVED: 9/29/2023 5:09 PM JFOSTER, PLOTTED: 10/14/2023 8:17 AM NEWELL, CHRIS  
 F:\Eureka\2022\022067-GSD-Water\Draws\022067-HURLBUTT-PUMP-STATION-MECH.dwg

**60% DESIGN**

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812 W. WABASH AVE. EUREKA, CA 95501 WWW.S&W-ENR.COM 707-441-8885		NO. _____ DATE _____ REVISION _____ BY _____	
DSGN PEG DR JWF/CDN CHK JSO APVD	<b>GARBERVILLE SANITARY DISTRICT          ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT          GARBERVILLE, CALIFORNIA          UPPER MAPLE LANE PUMP STATION          MECHANICAL PLAN</b>		
SHEET <b>C1.8</b>		SEQ DATE 09/2023 PROJ. NO. 022067	



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 F:\Eureka\2022\022067-GSD-Water\Draws\022067-HURLBUTT-TANK-MATR-MAIN-OVER.dwg



PLAN  
 M/S



60% DESIGN

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 0 IF NOT ONE INCH ON THIS SHEET  
 SCALES ACCORDINGLY

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 EUREKA, CA 95501  
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NO.	DATE	REVISION	BY

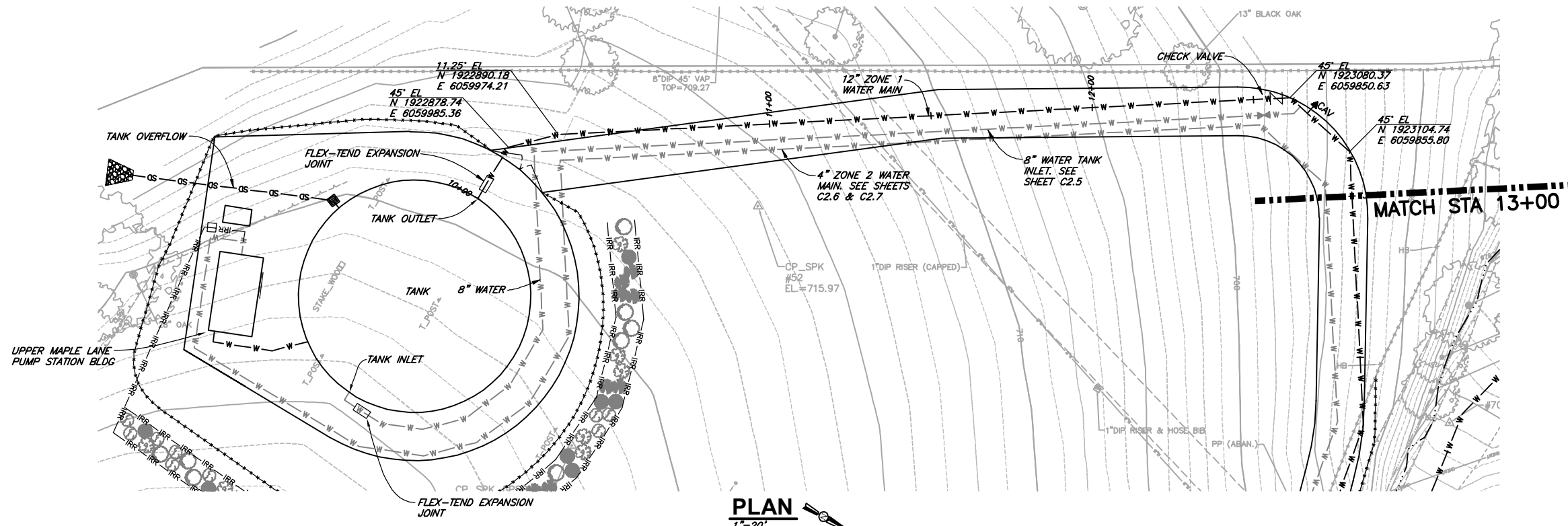
DESIGN	
DR	CDN/JWF
CHK	JSO
APVD	

GARBERVILLE SANITARY DISTRICT  
 ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT  
 GARBERVILLE, CALIFORNIA  
**MAIN TANK WATER MAIN OVERVIEW**

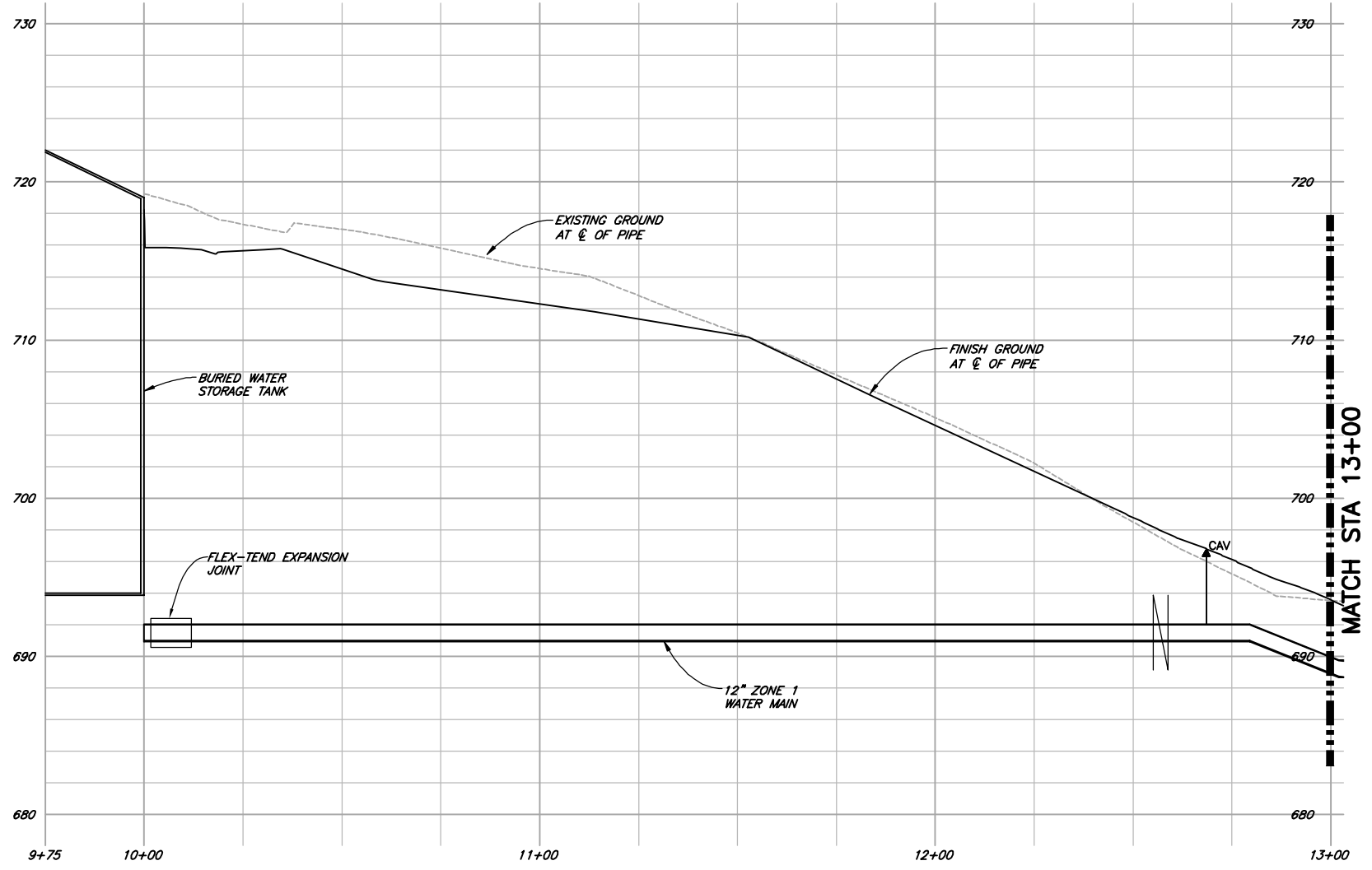
SHEET	C2.0
SEQ	
DATE	09/2023
PROJ. NO.	022067



SAVED: 9/29/2023 3:33 PM CNEWELL, PLOTTED: 10/4/2023 8:17 AM NEWELL, CHRIS  
 F:\Eureka\2022\022067-GSD-Water\Drawgs\022067-HURLBUTT-TANK-WATR-MAIN-PWP.dwg



**PLAN**  
 1"=20'



**12" ZONE 1 WATER MAIN PROFILE**  
 SCALE: 1"=20' H  
 1"=5' V

**60% DESIGN**

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 IF NOT ONE INCH ON THIS SHEET, VERIFY SCALES ACCORDINGLY

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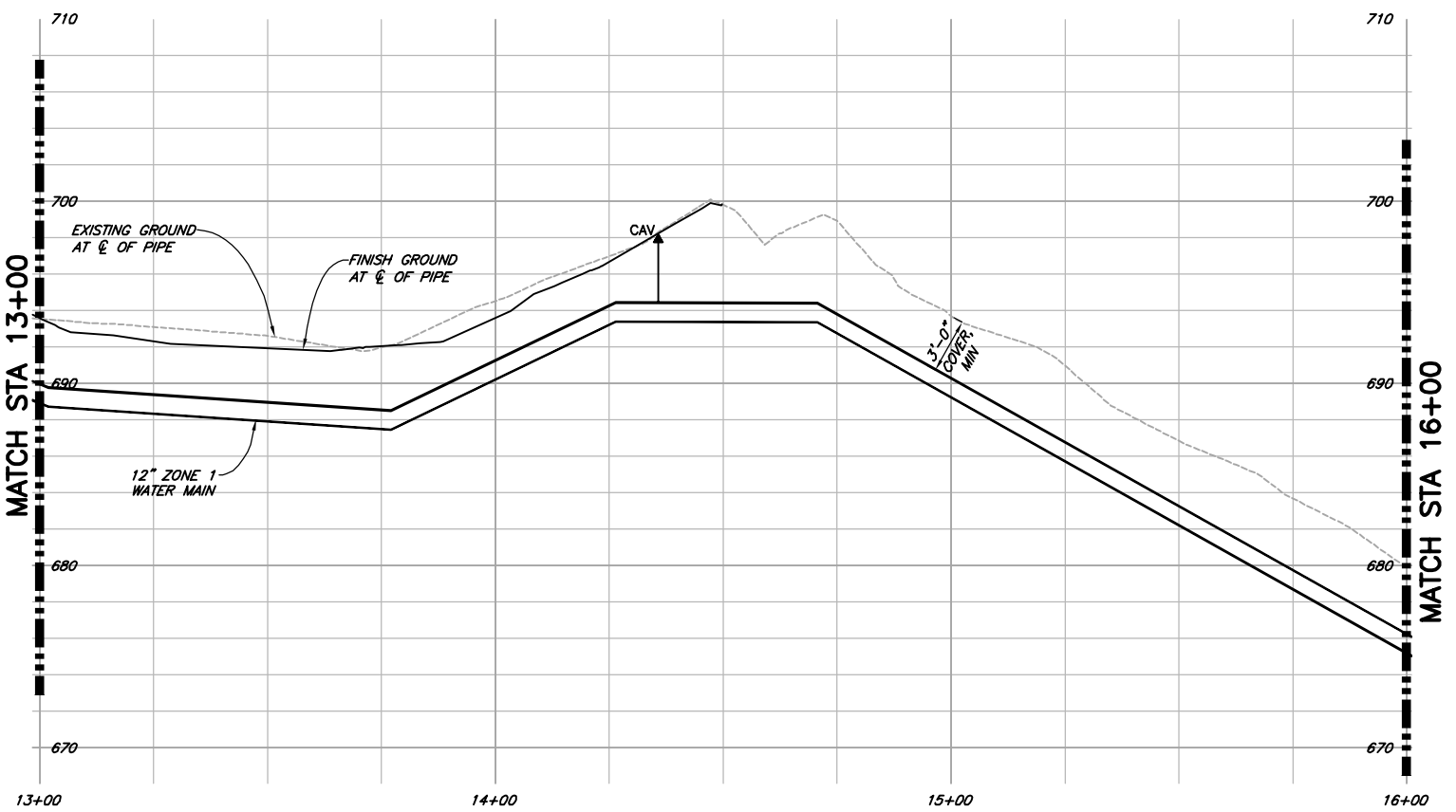
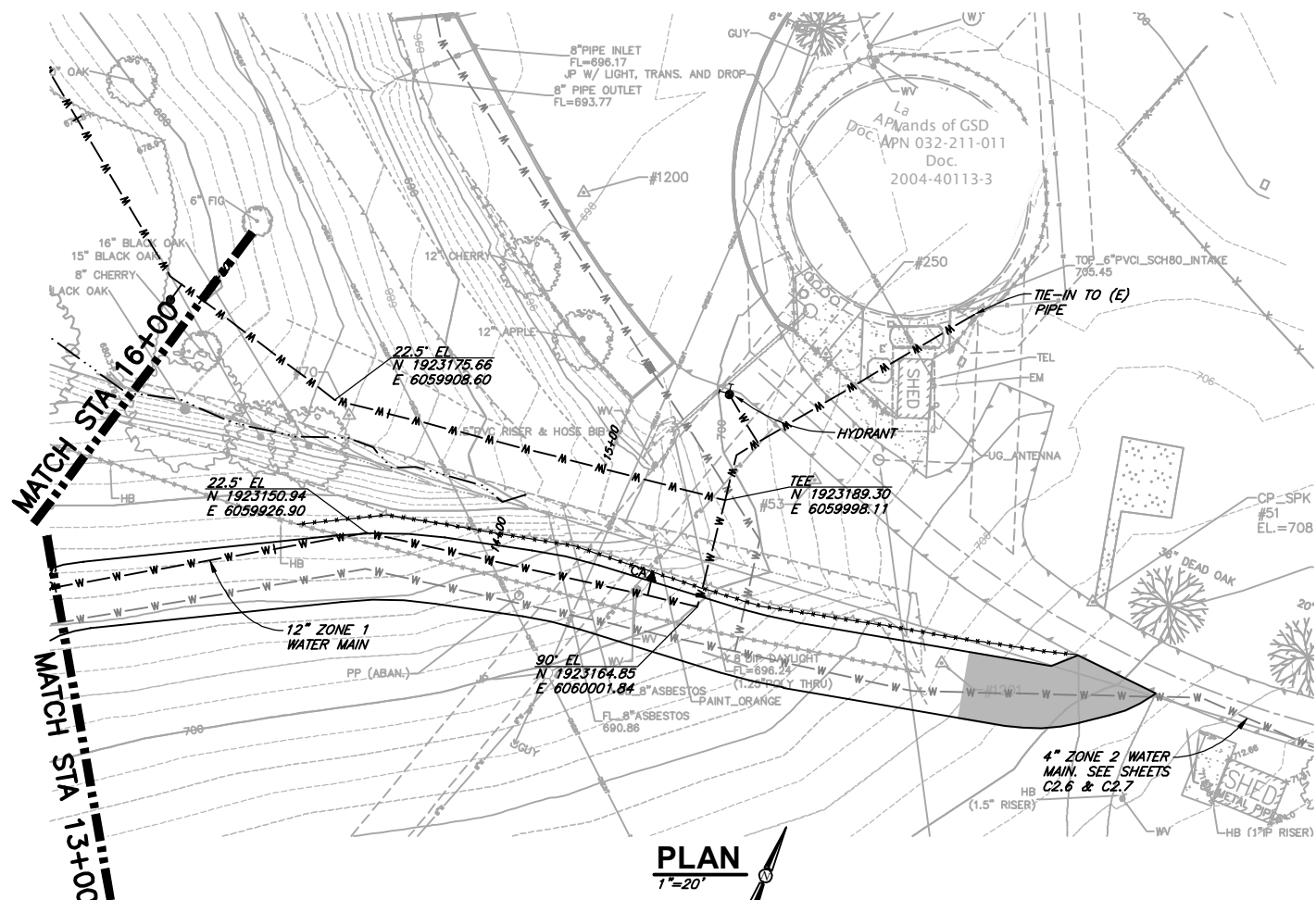
DESIGN	DR	JWF/CDN
CHECK	CHK	JSO
APPROVED	APVD	
NO.	DATE	BY
REVISION		

GARBERVILLE SANITARY DISTRICT  
 ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT  
 GARBERVILLE, CALIFORNIA  
**MAIN TANK WATER MAIN  
 PLAN AND PROFILE**

SHEET	C2.1
SEQ	
DATE	09/2023
PROJ. NO.	022067



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 F:\Eureka\2022\022067-GSD-Water\Drawgs\022067-HURLBUTT-TANK-MATR-MAIN-PMP.dwg



**12" ZONE 1 WATER MAIN PROFILE**  
 SCALE: 1"=20' H  
 1"=5' V

**60% DESIGN**

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 0 IF NOT ONE INCH ON THIS SHEET USE SCALES ACCORDINGLY

812 W. WABASH AVE.  
 EUREKA, CA 95501  
 WWW.S&W-ENR.COM  
 707-441-8885



BY	REVISION	DATE	NO.

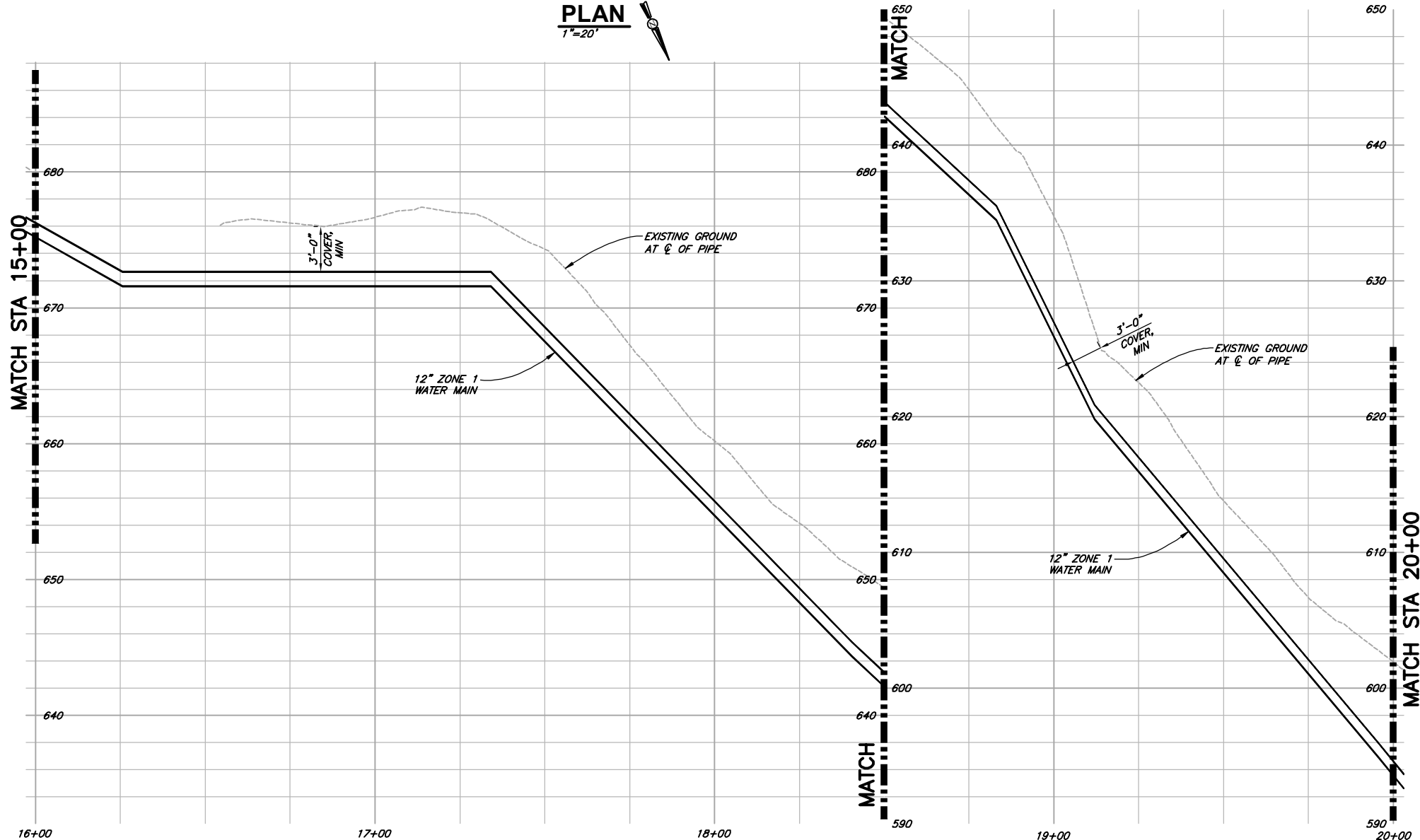
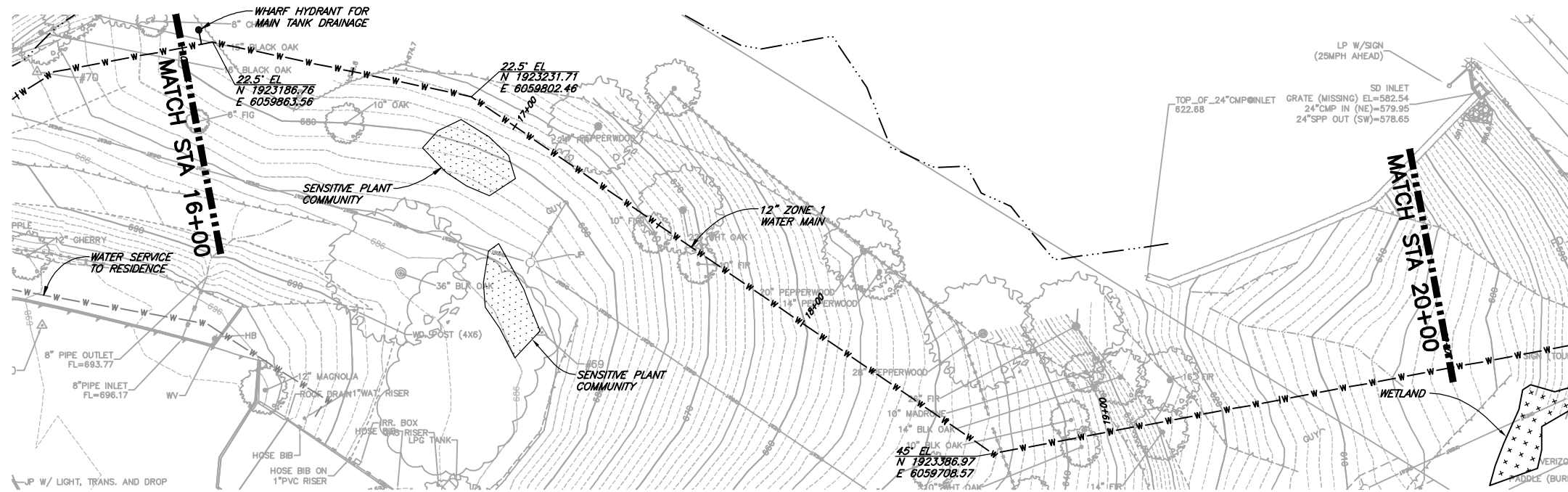
DESIGN	JWF/CDN
CHECK	JSO
APPROVED	

GARBERVILLE SANITARY DISTRICT  
 ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT  
 GARBERVILLE, CALIFORNIA  
**MAIN TANK WATER MAIN**  
**PLAN AND PROFILE**

SHEET	<b>C2.2</b>
SEQ	
DATE	08/2023
PROJ. NO.	022067



SAVED: 9/29/2023 3:33 PM CNEWELL, PLOTTED: 10/14/2023 8:18 AM NEWELL, CHRIS  
 F:\Eureka\2022\022067-GSD-Water\Draws\022067-HURLBUTT-TANK-WATR-MAIN-PWP.dwg



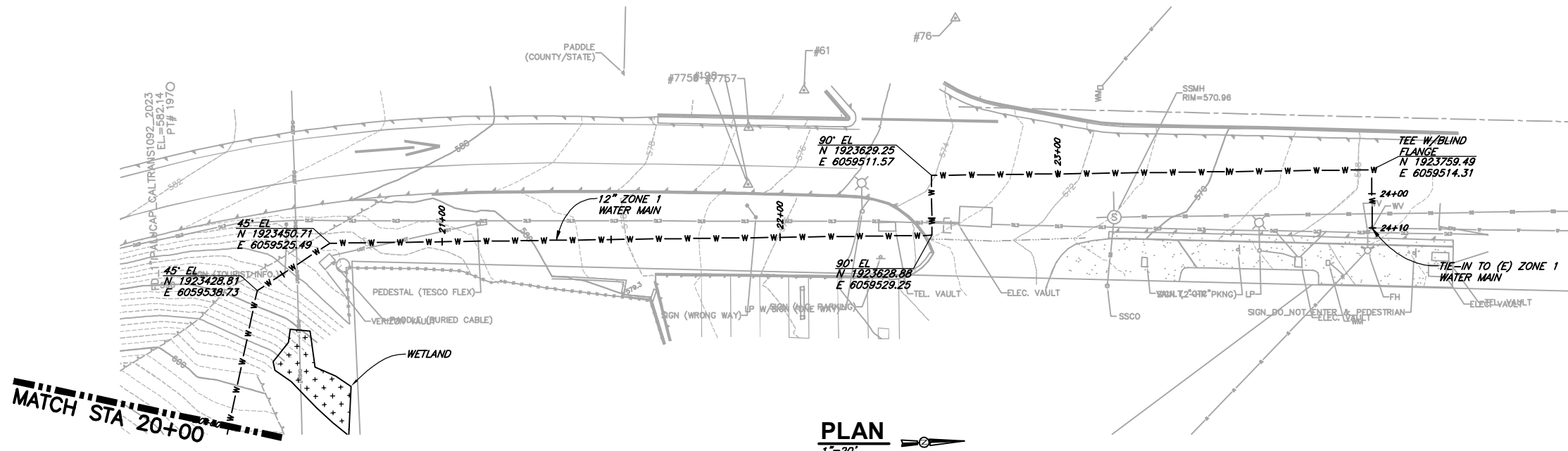
**12" ZONE 1 WATER MAIN PROFILE**  
 SCALE: 1"=20' H  
 1"=5' V

**60% DESIGN**

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812 W. WABASH AVE. EUREKA, CA 95501 WWW.S&W-ENR.COM 707-441-8885		BY:	
		REVISION	
		DATE	
		NO.	
DSGN	JWF/CDN		
DR	JWF/CDN		
CHK	JSO		
APVD			
GARBERVILLE SANITARY DISTRICT ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT GARBERVILLE, CALIFORNIA <b>MAIN TANK WATER MAIN          PLAN AND PROFILE</b>			
SHEET <b>C2.3</b>			
DATE <b>08/2023</b>			
PROJ. NO. <b>022067</b>			



SAVED: 9/29/2023 3:33 PM CNEWELL, PLOTTED: 10/14/2023 8:18 AM NEWELL, CHRIS  
 F:\Eureka\2022\022067-GSD-Water\Drawgs\022067-HURLBUTT-TANK-MATR-MAIN-PMP.dwg



**12" ZONE 1 WATER MAIN PROFILE**

SCALE: 1"=20' H  
 1"=5' V

**60% DESIGN**

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 IF NOT ONE INCH ON THIS SHEET, SCALES ACCORDINGLY

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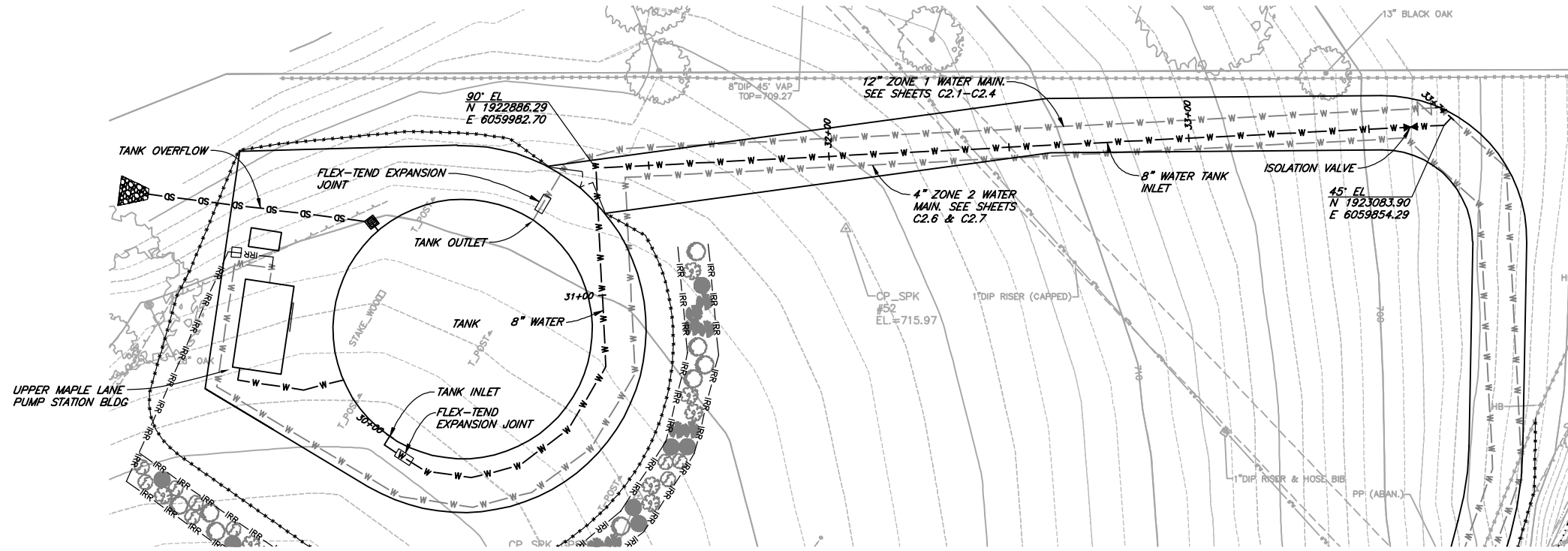
DESIGN	DR	JWF/CDN
CHK	JSO	
APVD		
NO.	DATE	BY
	REVISION	

GARBERVILLE SANITARY DISTRICT  
 ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT  
 GARBERVILLE, CALIFORNIA  
**MAIN TANK WATER MAIN  
 PLAN AND PROFILE**

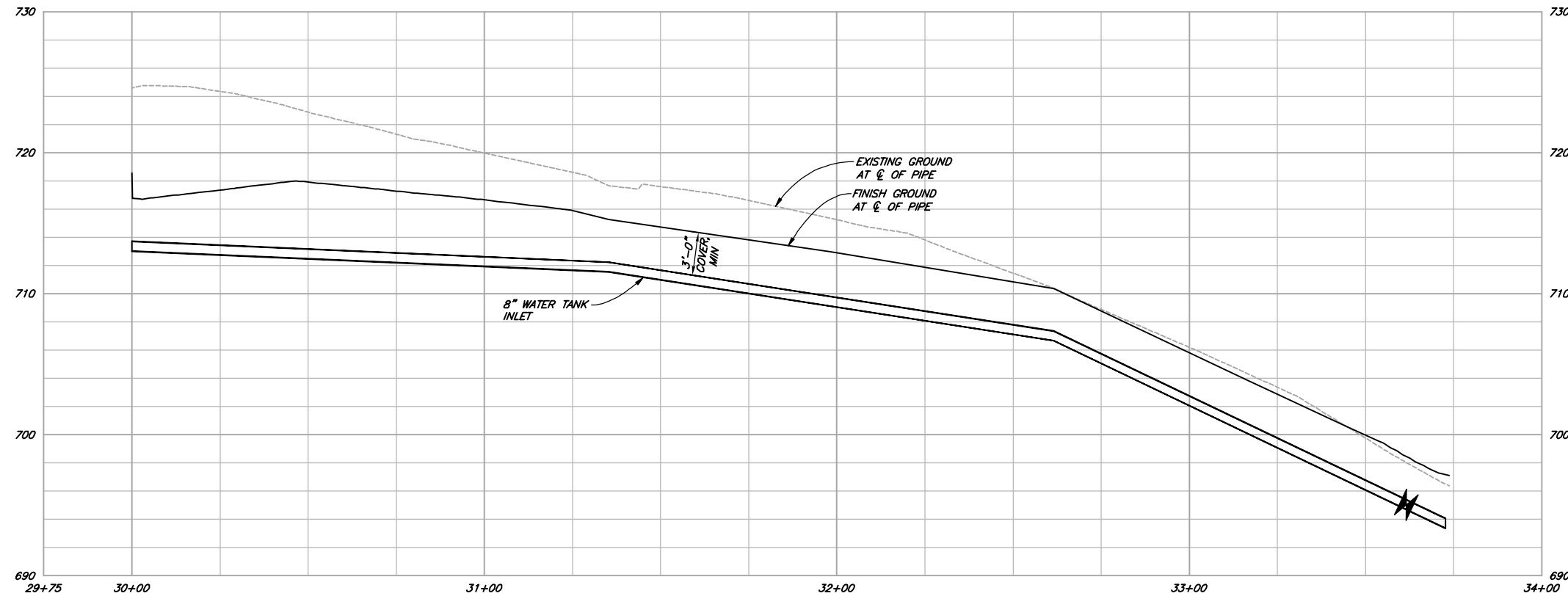
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SEQ	
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PROJ. NO.	022067



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 F:\Eureka\2022\022067-GSD-Water\Drawgs\022067-HURLBUTT-TANK-WATR-INLET-PNF.dwg



**PLAN**  
 1"=20'



**PROFILE**  
 SCALE: 1"=20' H  
 1"=5' V

**60% DESIGN**

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 IF NOT ONE INCH ON THIS SHEET, VERIFY SCALES ACCORDINGLY

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 EUREKA, CA 95501  
 WWW.S&W-ENG.COM  
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NO.	DATE	REVISION	BY

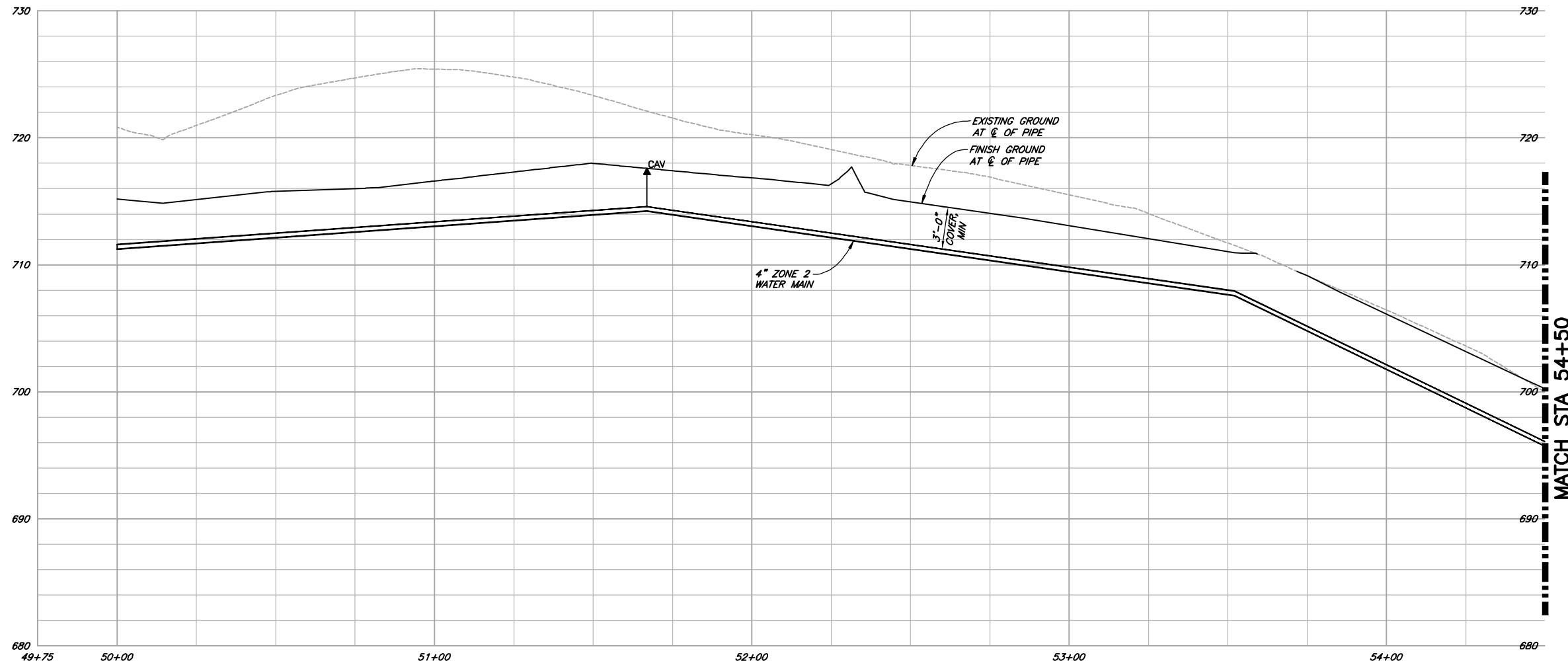
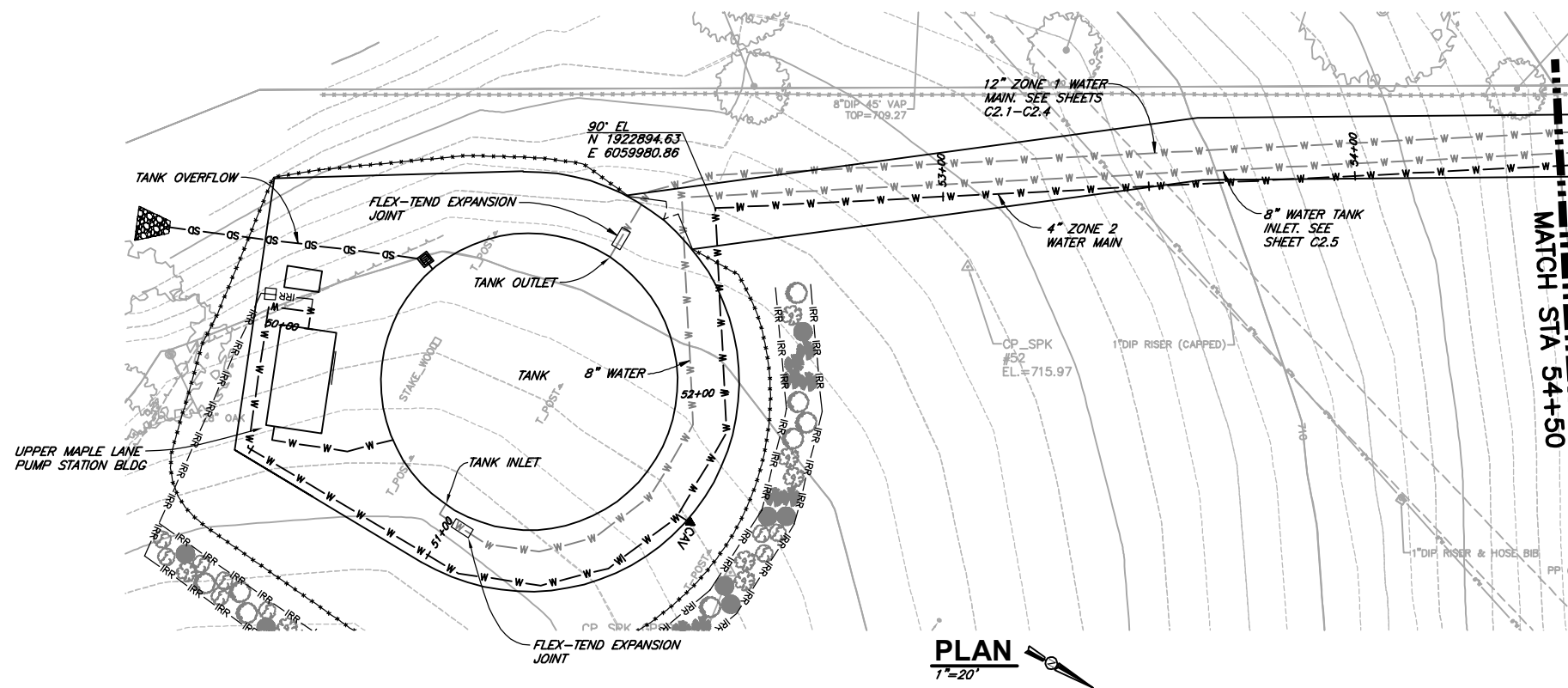
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DR	JWF/CDN
CHK	JSO
APVD	

GARBERVILLE SANITARY DISTRICT  
 ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT  
 GARBERVILLE, CALIFORNIA  
**MAIN TANK WATER INLET**  
**PLAN AND PROFILE**

SHEET	<b>C2.5</b>
SEQ	
DATE	09/2023
PROJ. NO.	022067



SAVED: 9/29/2023 3:32 PM CNEWELL, PLOTTED: 10/14/2023 8:18 AM NEWELL, CHRIS  
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**60% DESIGN**

<b>VERIFY SCALES</b> BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, VERIFY SCALES ACCORDINGLY	
812 W. WABASH AVE. EUREKA, CA 95501 WWW.S&W-ENR.COM 707-441-8885	
DESIGN	BY
DR JWF/CDN	REVISION
CHK JSO	DATE
APVD	NO.
GARBERVILLE SANITARY DISTRICT ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT GARBERVILLE, CALIFORNIA <b>MAIN TANK 4 INCH WATER</b> <b>DISTRIBUTION PLAN AND PROFILE</b>	
SHEET <b>C2.6</b>	
SEQ	
DATE 09/2023	
PROJ. NO. 022067	







SAVED: 9/28/2023 11:49 AM CNEWELL, PLOTTED: 10/4/2023 8:19 AM NEWELL, CHRIS  
 F:\Eureka\2022\022067-GSD-Water\Draws\022067-WALL-TANK-OVER.dwg



**PLAN**  
 1"=80'

**60% DESIGN**

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 0 IF NOT ONE INCH ON THIS SHEET  
 SCALES ACCORDINGLY

812 W. WABASH AVE.  
 EUREKA, CA 95501  
 WWW.S&W-PR.COM  
 707-441-8885



NO.	DATE	REVISION	BY

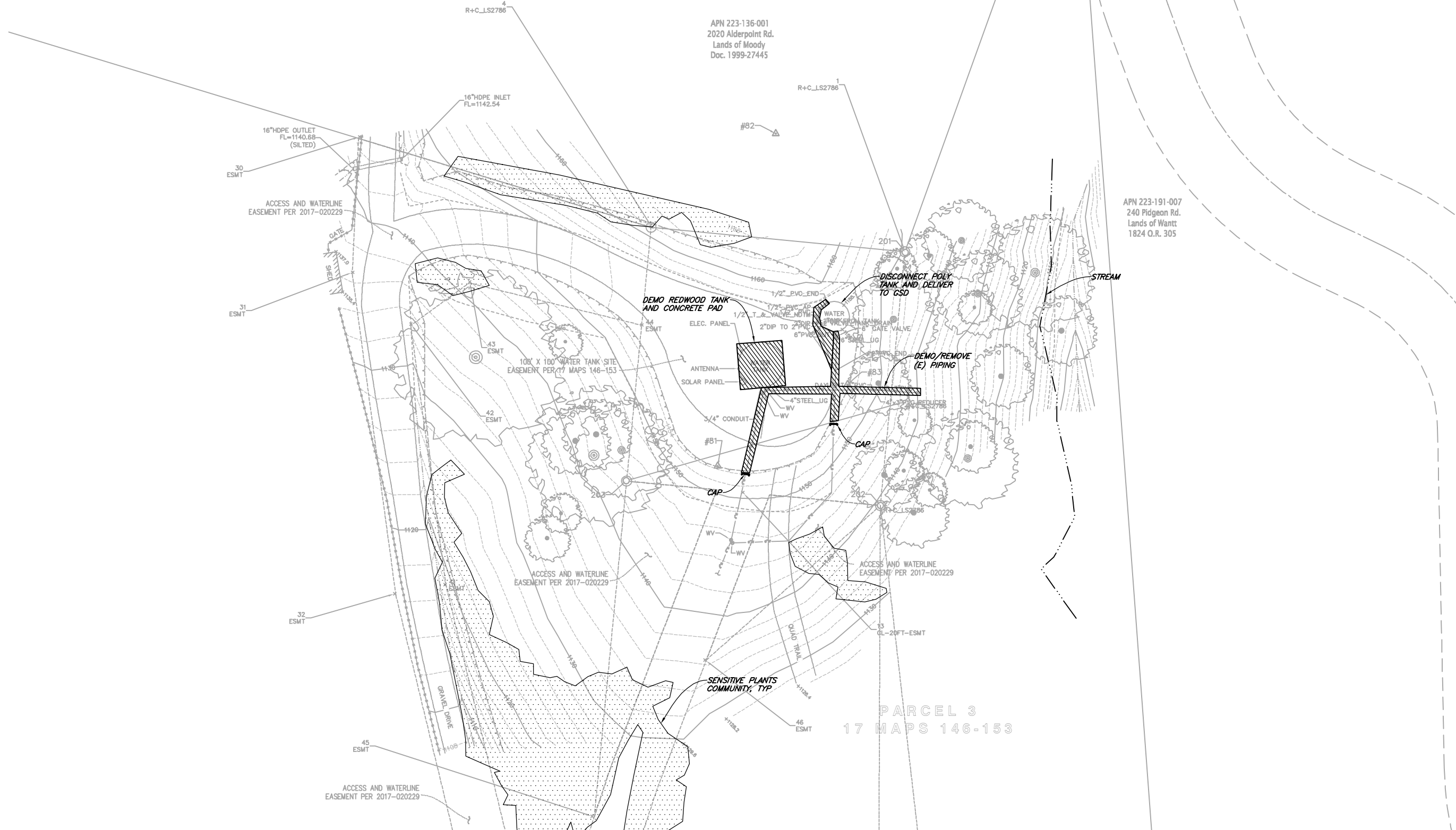
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DR	CDN/JWF
CHK	JSO
APVD	

GARBERVILLE SANITARY DISTRICT  
 ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT  
 GARBERVILLE, CALIFORNIA  
**WALLAN TANK AND PUMP STATION  
 OVERVIEW**

SHEET	<b>C3.0</b>
SEQ	
DATE	09/2023
PROJ. NO.	022067



SAVED: 9/28/2023 11:52 AM CNEWELL, PLOTTED: 10/14/2023 8:19 AM NEWELL, CHRIS  
 F:\Eureka\2022\022067-GSD-Water\Draws\022067-WALL-TNK-ESCP.dwg



**DEMOLITION NOTES:**

1. EXISTING POLY TANK SHALL REMAIN FULLY OPERATIONAL UNTIL NEW TANK IS CONSTRUCTED AND APPROVED FOR USE BY THE OWNER AND ENGINEER.
2. CONTRACTOR SHALL DEMOLISH AND PROPERLY DISPOSE OF ALL ITEMS SHOWN TO BE DEMOLISHED.

**PLAN**  
 1"=20'

**LEGEND**

- DEMOLITION/REMOVE
- SENSITIVE PLANTS COMMUNITY

**60% DESIGN**

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 0 1"  
 IF NOT ONE INCH ON THIS SHEET SCALES ACCORDINGLY

812 W. WABASH AVE.  
 EUREKA, CA 95501  
 WWW.S&W-ENR.COM  
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NO.	DATE	REVISION	BY

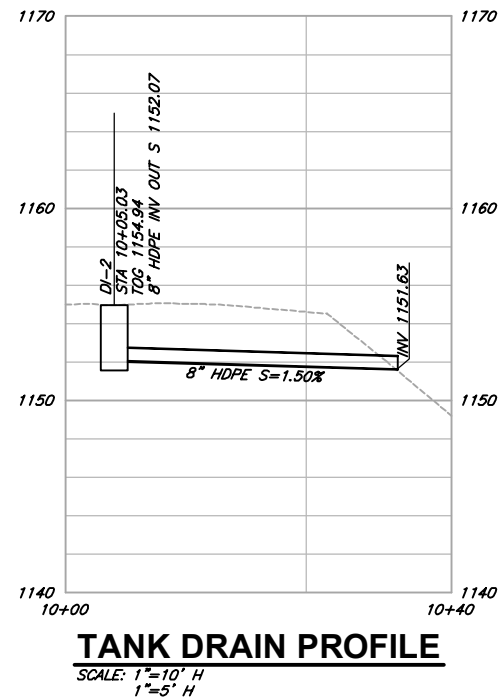
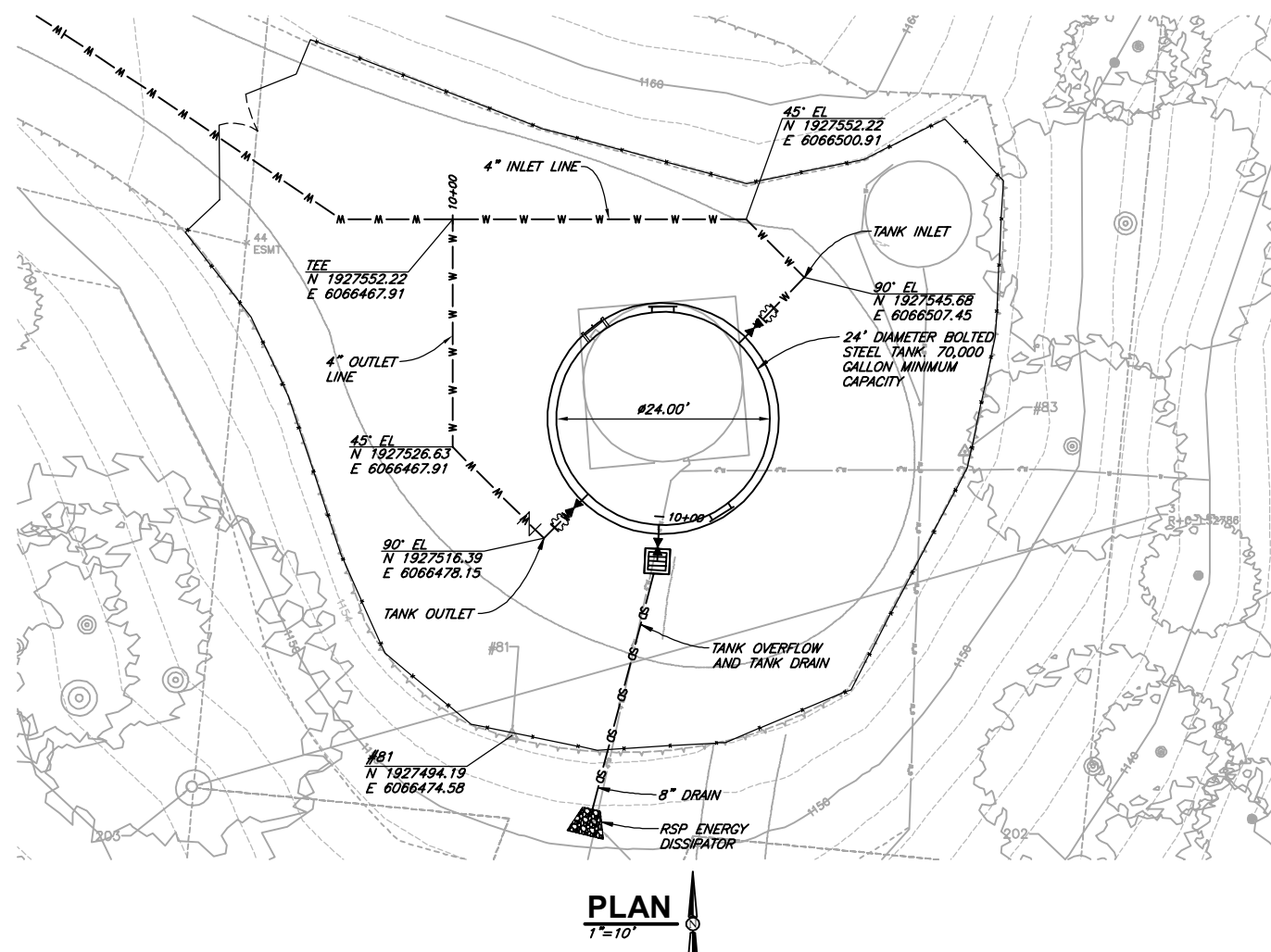
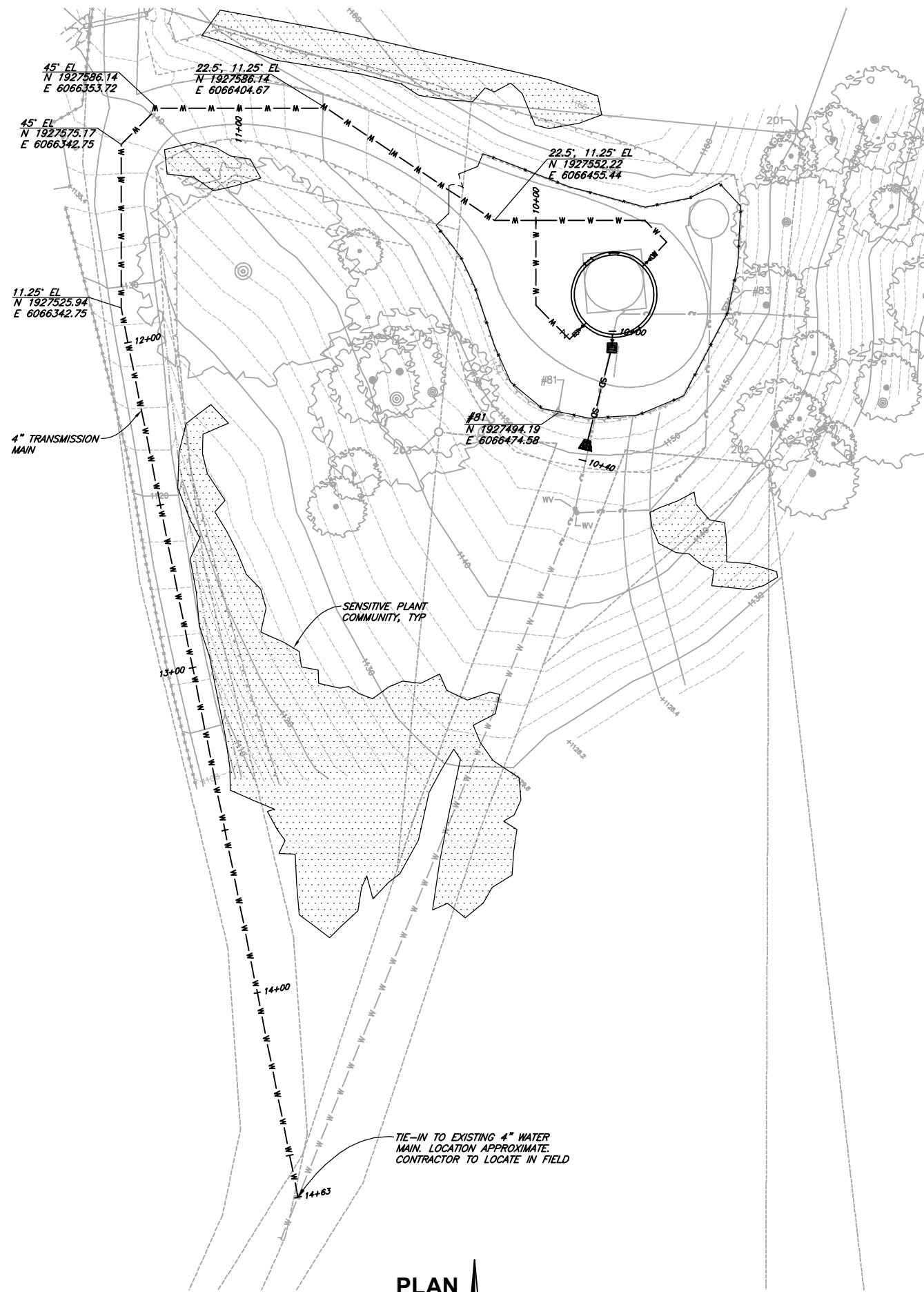
DR	CDN/JWF
CHK	JSO
APVD	

GARBERVILLE SANITARY DISTRICT  
 ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT  
 GARBERVILLE, CALIFORNIA  
**WALLAN TANK CLEARING, GRUBBING,  
 AND DEMOLITION PLAN**

SHEET	<b>C3.1</b>
SEQ	
DATE	09/2023
PROJ. NO.	022067



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 F:\Eureka\2022\022067-GSD-Water\Draws\022067-WALL-TNK-SITE.dwg



60% DESIGN

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 O IF NOT ONE INCH ON THIS SHEET ACCORDINGLY SCALES ACCORDINGLY

812 W. WABASH AVE.  
 EUREKA, CA 95501  
 TEL: 707-441-8888  
 FAX: 707-441-8885

**SW**

DESIGN	DR	CDN/JWF	NO.	DATE	BY
CHK	JSO	APVD	REVISION		

GARBERVILLE SANITARY DISTRICT  
 ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT  
 GARBERVILLE, CALIFORNIA  
**WALLAN TANK SITE PLAN & YARD PIPING**

SHEET  
**C3.2**

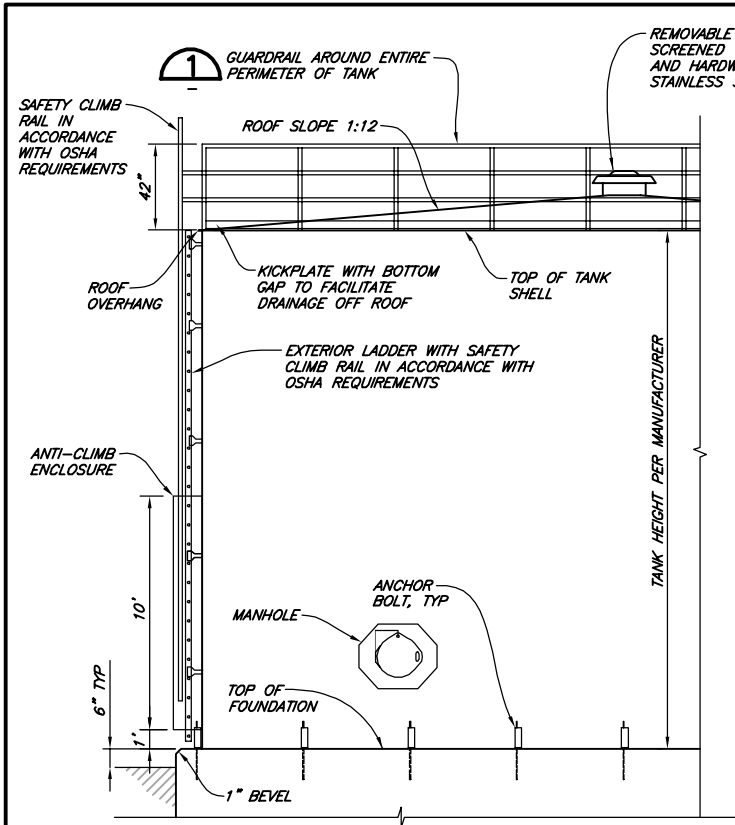
SEQ

DATE 09/2023

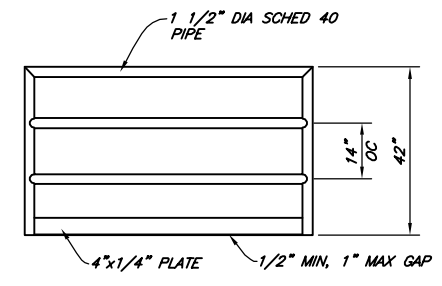
PROJ. NO.  
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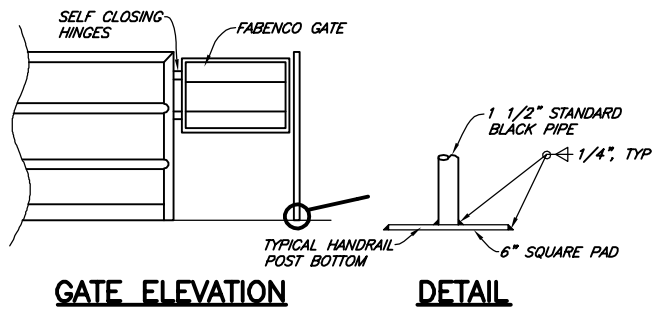
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 F:\Eureka\2022\022067-GSD-Water\Draws\022067-WALL-TANK-LAYOUT.dwg



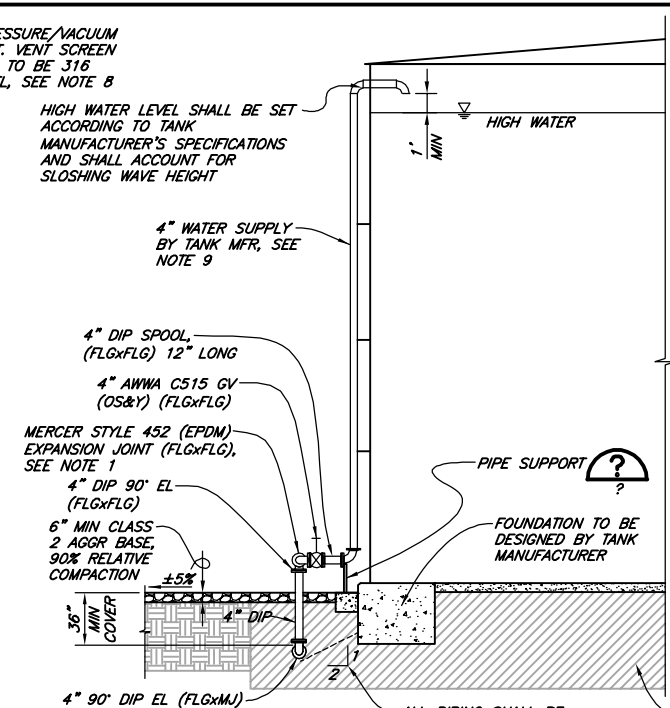
**TANK ELEVATION**  
NTS



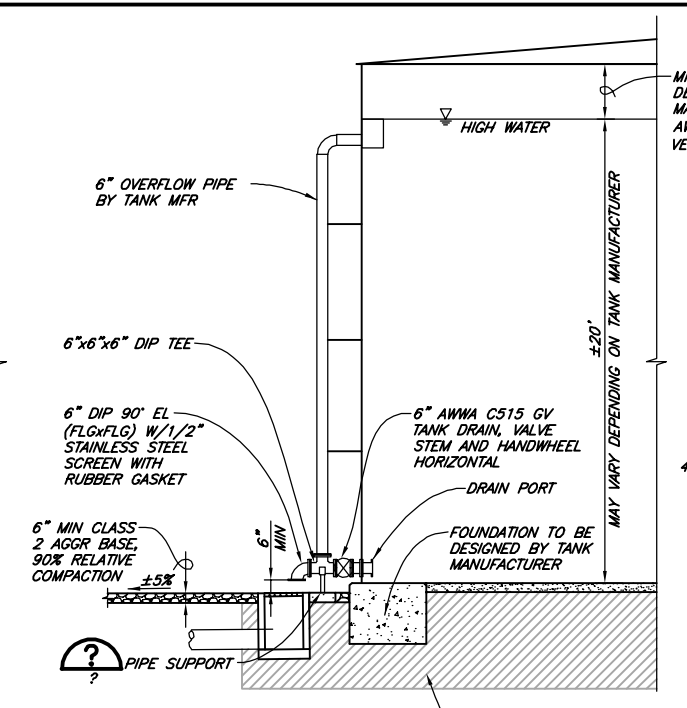
**RAIL ELEVATION**



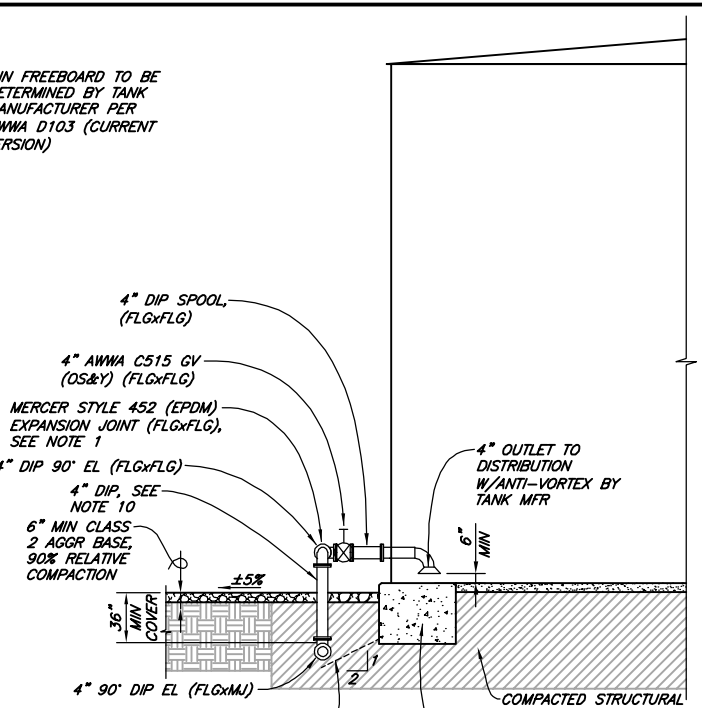
**DETAIL 1**  
NTS  
(GUARDRAILING)



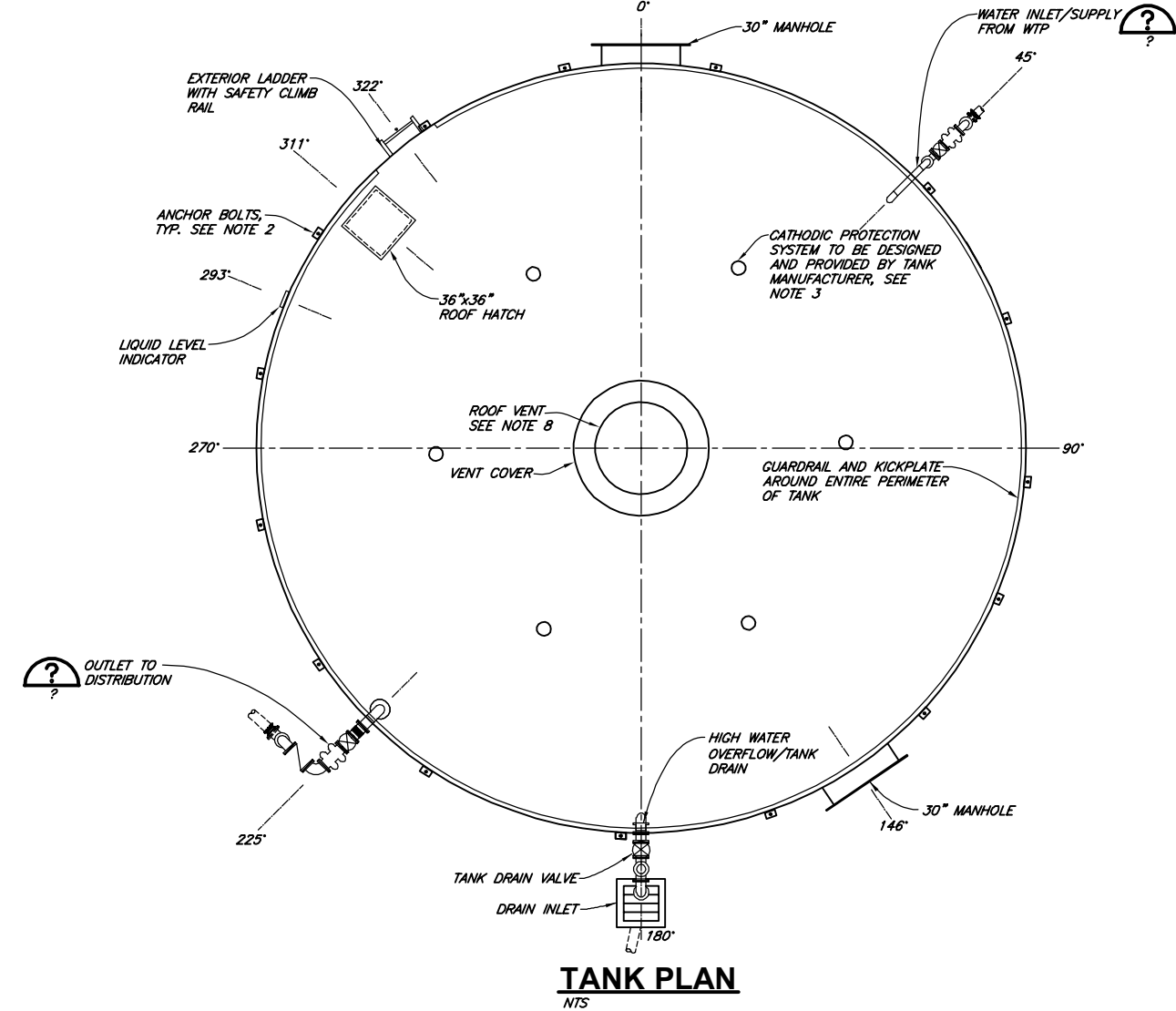
**INLET/SUPPLY**  
NTS



**HIGH WATER OVERFLOW/TANK DRAIN**  
NTS (APPROX NORTH)



**OUTLET TO DISTRIBUTION**  
NTS



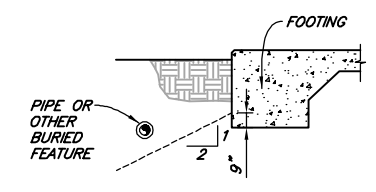
**TANK PLAN**  
NTS

**NOTES:**

1. ALL PIPING CONNECTIONS SHALL HAVE ADEQUATE CAPACITY TO ACCOMMODATE CALCULATED DISPLACEMENTS DUE TO SEISMIC LOADS, IN ACCORDANCE WITH AWWA D100 OR D103 AS APPROPRIATE (CURRENT VERSION). PIPING CONNECTIONS SHOWN ON THESE PLANS REPRESENT MINIMUM REQUIREMENTS AND SHOULD BE MODIFIED IN COORDINATION WITH THE ENGINEER IF IT IS DETERMINED BY THE TANK MANUFACTURER THAT ADDITIONAL DISPLACEMENT CAPACITY IS NEEDED.
2. THE SIZE AND NUMBER OF ANCHOR BOLTS SHALL BE DETERMINED BY TANK MANUFACTURER'S ENGINEER.
3. TANK MANUFACTURER SHALL COORDINATE THE DESIGN AND INSTALLATION OF THE CATHODIC PROTECTION SYSTEM.
4. FINAL LOCATION OF TANK APPURTENANCES AND PIPING CONNECTIONS TO BE DETERMINED IN COORDINATION WITH THE OWNER IN THE FIELD. PROVIDE AS CLOSE TO 180° SEPARATION BETWEEN TANK INLET AND OUTLET AS POSSIBLE.
5. ALL EXTERIOR PIPES AND PIPE SUPPORTS SHALL BE COATED WITH TANK EXTERIOR COATING SYSTEM.
6. TANK BOTTOM AND TANK SHELL TO BOTTOM CONNECTION SHALL ALL BE VACUUM OR AIR-PRESSURE TESTED FOR WATER-TIGHTNESS.
7. ALL SAFETY RELATED COMPONENTS SHALL COMPLY WITH OSHA REQUIREMENTS.
8. TANK VENTS SHALL PREVENT ENTRY OF RAIN WATER OR RUNOFF, BIRDS, INSECTS, RODENTS, AND OTHER ANIMALS, PROVIDE SUFFICIENT AIRFLOW IF 50% BLOCKED, AND COVERED BY STAINLESS STEEL #24 MESH.
9. PROVIDE 1" THICK RIGID INSULATION, UV RESISTANT AND RATED FOR EXTERIOR USE ON ALL EXPOSED PIPING AND VALVES.

**FLANGE NOTE:**

DIELECTRIC ISOLATION KITS SHALL BE USED WITH ALL STAINLESS STEEL HARDWARE AND FASTENERS.



**DETAIL 2**  
NTS

**60% DESIGN**

VERIFY SCALES  
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 EUREKA, CA 95501  
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 707-441-8885

**S&W**

DESIGN	DR	JWF/CDN	CHK	JSD	APVD
BY	DATE	NO.	REVISION		

GARBERVILLE SANITARY DISTRICT  
 ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT  
 GARBERVILLE, CALIFORNIA

**WALLAN TANK LAYOUT**

SHEET **C3.3**  
 SEQ  
 DATE 09/2023  
 PROJ. NO. 022067



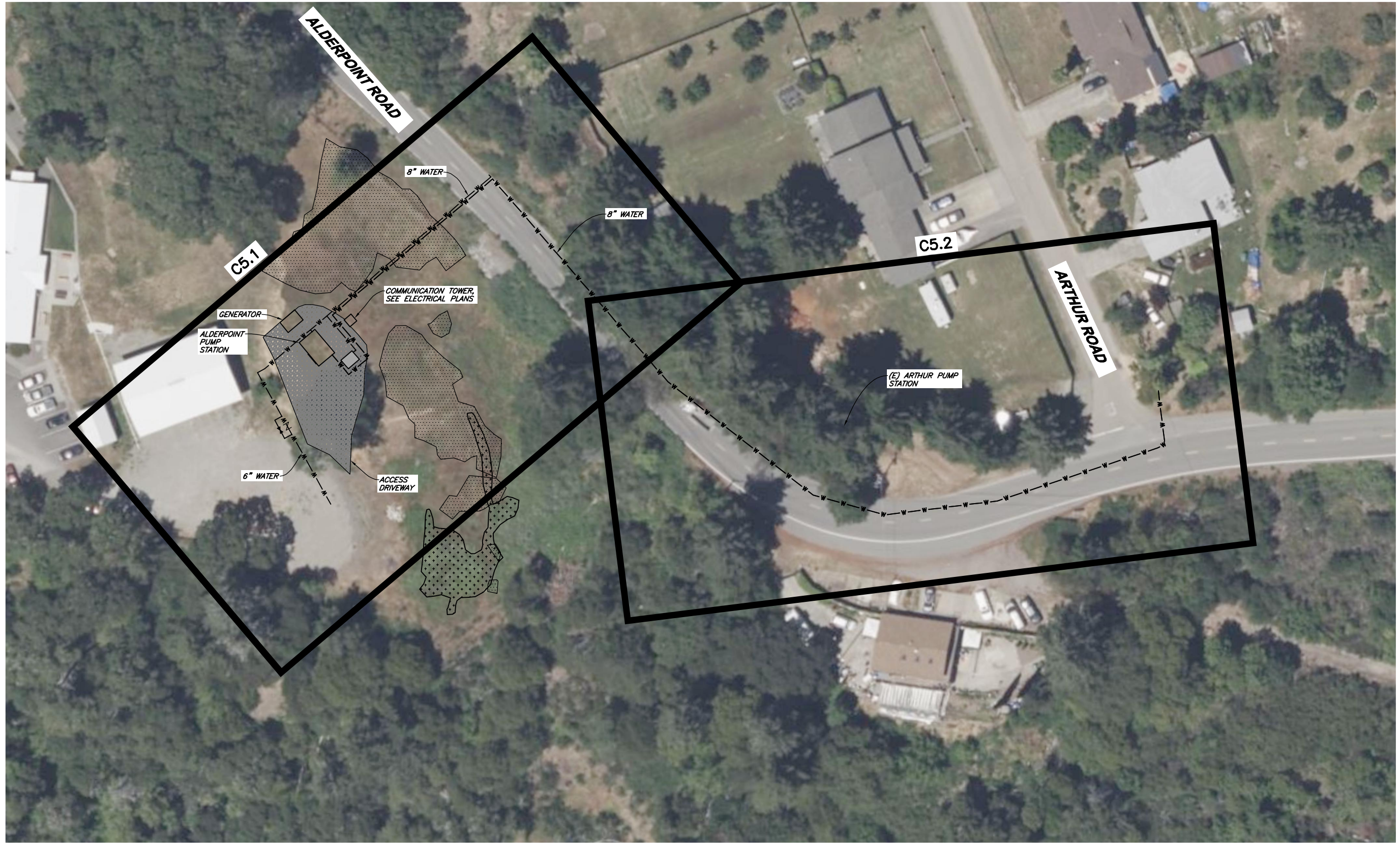










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 P:\Eureka\2022\022067-GSD-Water\Drawgs\022067-ALDRPNT-WATER-MAIN-OVER.dwg




**PLAN**  
 1" = 30'

**LEGEND**

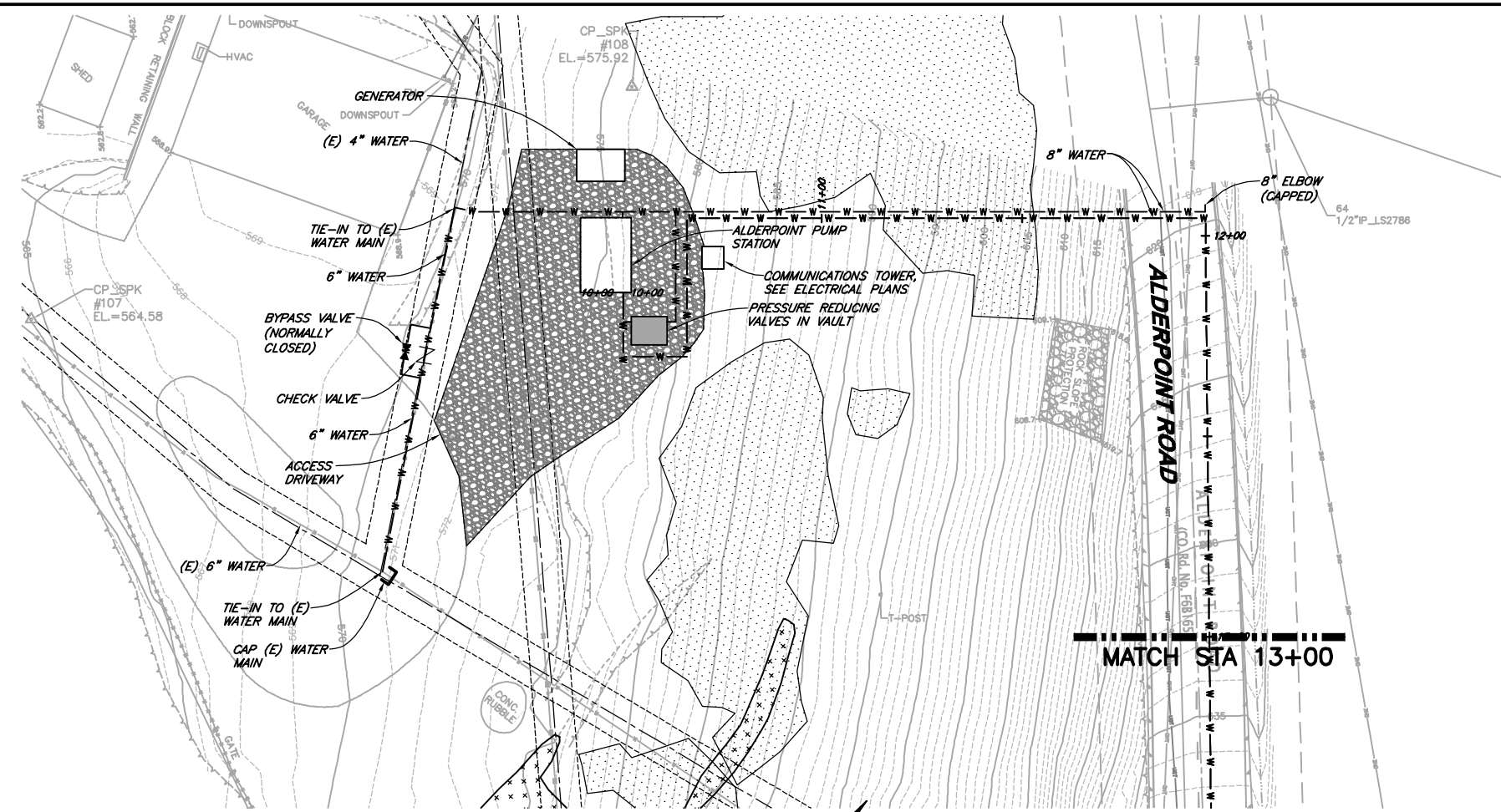
-  WETLAND AREA
-  SENSITIVE PLANTS COMMUNITY

**60% DESIGN**

 812 W. WABASH AVE. BUREAU, CA 95021 WWW.S&W-ENR.COM 707-441-8855		VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON SCALES ACCORDINGLY
PROJECT TITLE <b>ALDERPOINT PUMP STATION AND WATER MAIN OVERVIEW</b>	NO. _____ DATE _____ REVISION _____ BY _____	
DSGN - _____ DR CDN/JWF CHK JSO APVD _____	SHEET <b>C5.0</b> SEQ _____ DATE <b>09/2023</b> PROJ. NO. <b>022067</b>	



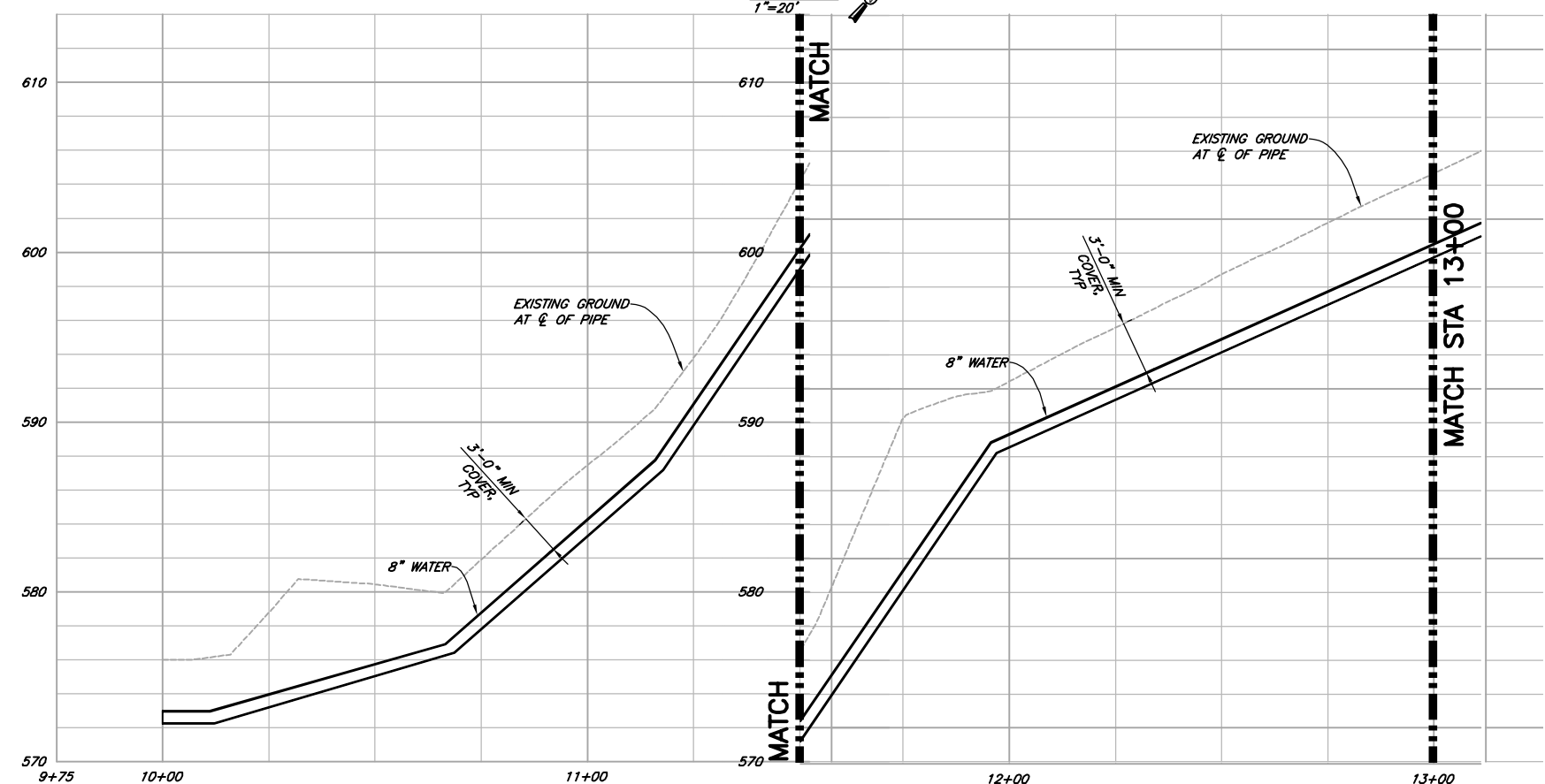
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 P:\Eureka\2022\022067-GSD-Water\Draws\022067-ALDRPNT-WATER-PWP.dwg



**LEGEND**

- WETLAND AREA
- SENSITIVE PLANTS COMMUNITY

**PLAN**  
1"=20'



**PROFILE**  
SCALE: 1"=20' H  
1"=5' V

**60% DESIGN**

**VERIFY SCALES**  
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 BUREN, CA 95901  
 WWW.SAN-JSO.COM  
 707-441-8855

**CSJ**

NO.	DATE	REVISION	BY

DESIGN: JFO  
 CHECK: JFO  
 APPROVED: JFO

GARBVILLE SANITARY DISTRICT  
 ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT  
 GARBVILLE, CALIFORNIA

**ALDERPOINT PUMP STATION AND WATER MAIN PLAN AND PROFILE**

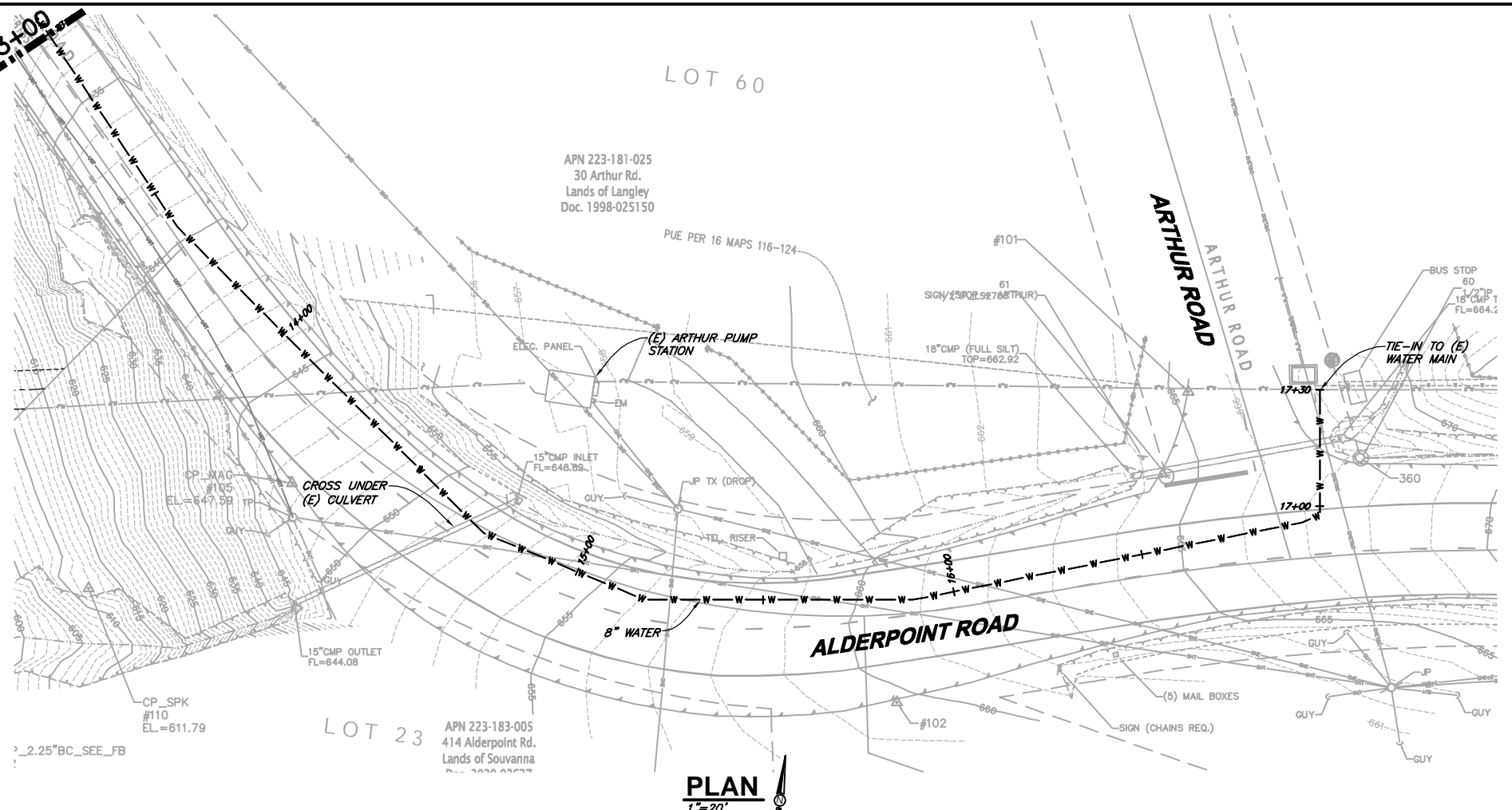
SHEET **C5.1**

DATE 09/2023  
 PROJ. NO. 022067



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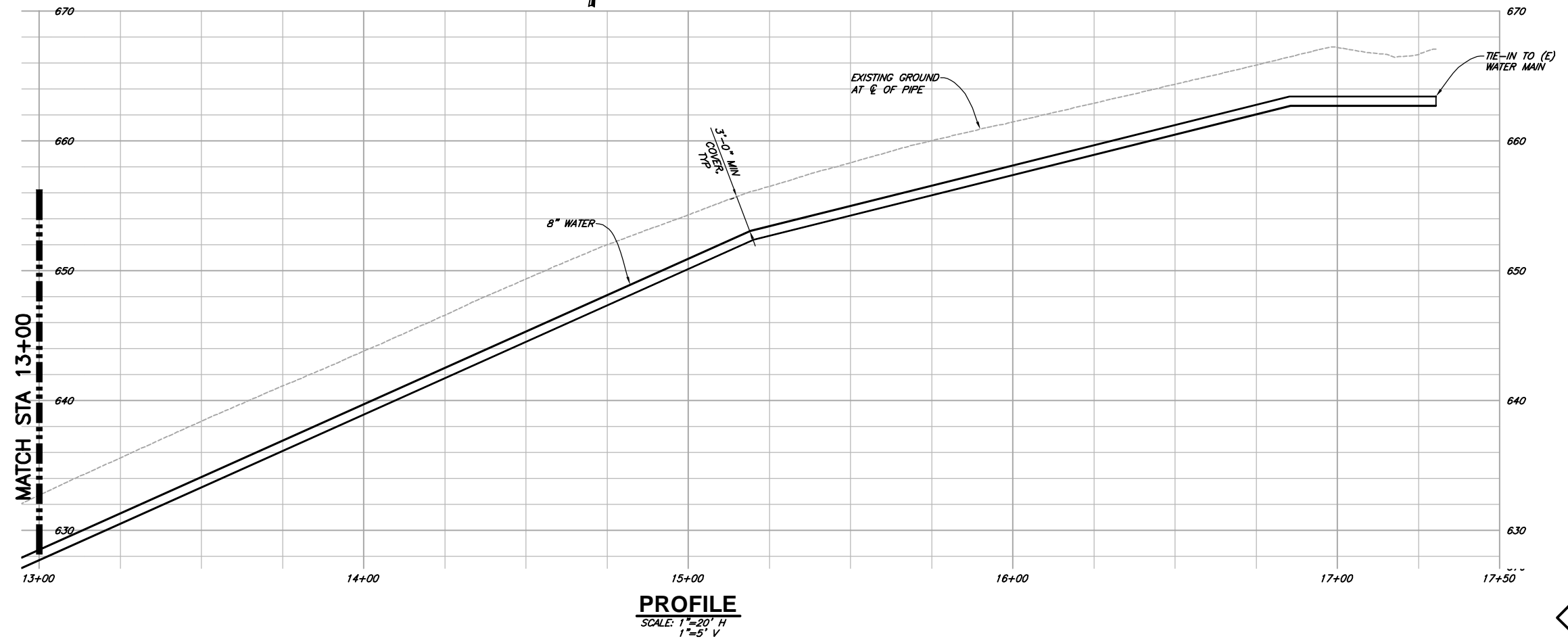
MATCH STA 13+00



**LEGEND**

- WETLAND AREA
- SENSITIVE PLANTS COMMUNITY

**PLAN**  
 1"=20'



**PROFILE**  
 SCALE: 1"=20' H  
 1"=5' V

**60% DESIGN**

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812 W. WABASH AVE.  
 SUITE 200  
 WAREHOUSES  
 WWW.SFW.COM  
 707-441-8855

**SFW**

NO.	DATE	REVISION	BY

DSGN	DR	CHK	APVD
	CDN/JWF	JSO	

GARBVILLE SANITARY DISTRICT  
 ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT  
 GARBVILLE, CALIFORNIA

**ALDRPOINT PUMP STATION AND WATER MAIN PLAN AND PROFILE**

SHEET **C5.2**

DATE 09/2023

PROJ. NO. 022067



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 P:\Eureka\2022\022067-GSD-Water\Draws\022067-ART-PUMP-STA-ESCP-CLR-GRUB.dwg

APN 223-183-003  
 324 Alderpoint Rd.  
 Lands of State of California  
 Doc. 1105 OR 598

TOP PER  
 OWN ON  
 3

CP\_SPK  
 #108  
 EL.=575.92

GRUBBING AND  
 CLEARING LIMITS

SENSITIVE PLANT  
 COMMUNITY, TYP

LOT 60

APN 223-181-025  
 30 Arthur Rd.  
 Lands of Langley  
 Doc. 1998-025150

PUE PER 16 MAPS 116-124

#101

SIGN (TOP) 61  
 (TOP) 61

18" CMP (FULL SILT)  
 TOP=662.92

ABANDON PIPE SEGMENT

DEMO/REMOVE  
 (E) PIPE

DEMO/REMOVE  
 (E) PIPE

DEMO/REMOVE (E) PUMP  
 STATION EQUIPMENT AND  
 STRUCTURE

WETLAND, TYP  
 WATERLINE EASEMENT  
 2021-025729

CP\_MAG  
 #105  
 EL.=647.59

15" CMP OUTLET  
 FL=644.08

LOT 23

APN 223-183-005  
 414 Alderpoint Rd.  
 Lands of Souanna  
 Doc. 2020-02637

CP\_SPK  
 #110  
 EL.=611.79





FD\_75IP\_2.25"BC\_SEE\_FB  
 PT# 362  
 EL.=580.69

WETLAND, TYP

TIMBER LANE

PLAN  
 1"=20'

LEGEND

-  WETLAND AREA
-  SENSITIVE PLANTS COMMUNITY
-  CLEARING AND GRUBBING
-  DEMO

DEMOLITION NOTE:

EXISTING FACILITIES SHALL REMAIN FULLY OPERATIONAL UNTIL NEW FACILITIES ARE FULLY OPERATIONAL. DEMOLITION OF EXISTING FACILITIES SHALL NOT BEGIN UNTIL APPROVED BY THE OWNER AND THE ENGINEER.

60% DESIGN

VERIFY SCALES  
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 SCALES ACCORDINGLY

812 W. WABASH AVE.  
 SUITE 200  
 WUBREKA, CALIFORNIA  
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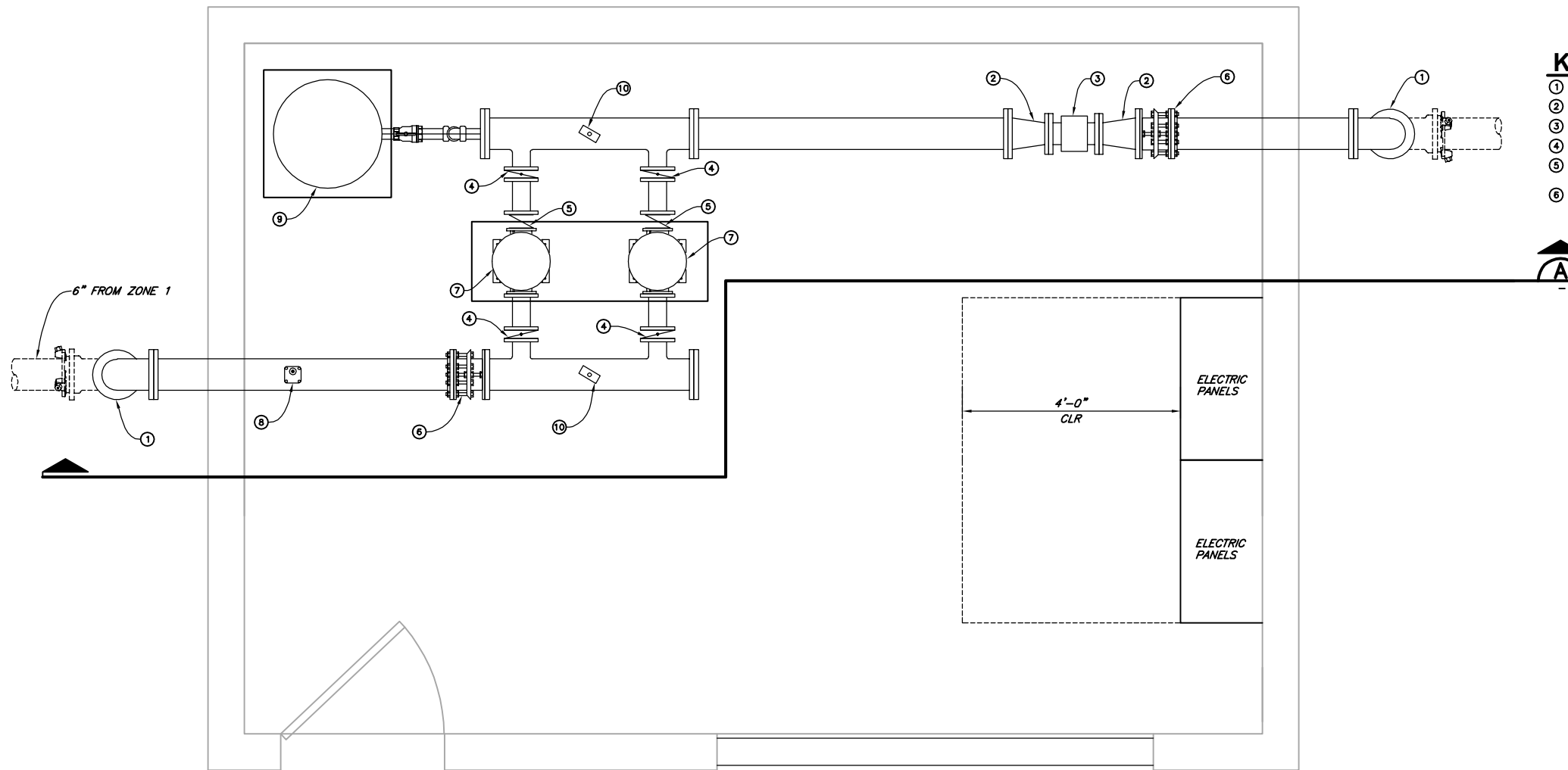
NO.	DATE	REVISION	BY

DESIGN -  
 DR CDN/JWF  
 CHK JSO  
 APVD  
 GARBERVILLE SANITARY DISTRICT  
 ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT  
 GARBERVILLE, CALIFORNIA  
**ALDERPOINT PUMP STATION SITE  
 PREPARATION AND DEMOLITION**

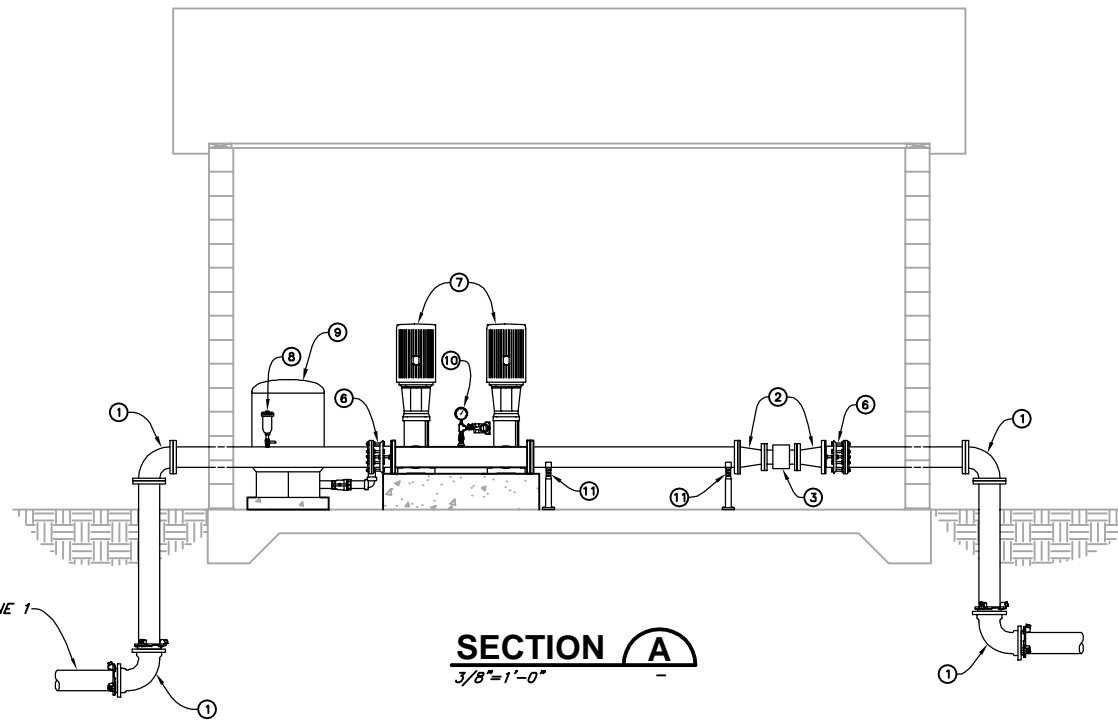
SHEET  
**C5.3**  
 SEQ  
 DATE 09/2023  
 PROJ. NO.  
 022067



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 P:\Eureka\2022\022067-GSD-Water\Drawgs\022067-ART-PUMP-STA-MECH.dwg



**PLAN**  
 3/4" = 1'-0"



**KEY NOTES:**

- ① 6" DIP EL
- ② 6"x4" DIP REDUCER
- ③ 4" MAG FLOW METER
- ④ 3" BUTTERFLY VALVE, LUG
- ⑤ 3" WAFER SILENT CHECK VALVE
- ⑥ 6" DISMANTLING JOINT
- ⑦ VERTICAL MULTI-STAGE PUMP, 200 GPM @ ~379' TDH, 30 HP
- ⑧ 1" CARV. W/CORP STOP & PIPE NIPPLE
- ⑨ 90 GAL PRESSURE TANK
- ⑩ PRESSURE GAUGE AND TRANSDUCER, SEE DETL X SHT X
- ⑪ SST PIPE SUPPORT
- ⑫ -----
- ⑬ -----
- ⑭ -----
- ⑮ -----
- ⑯ -----

**60% DESIGN**

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DR	CDN/JWF
CHK	JSO
APVD	
GARBERVILLE SANITARY DISTRICT ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT GARBERVILLE, CALIFORNIA <b>ALDERPOINT PUMP STATION          MECHANICAL PLAN</b>	
SHEET	C5.4
SEQ	
DATE	09/2023
PROJ. NO.	022067
NO.	REVISION
DATE	BY





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 F:\Eureka\2022\022067-GSD-Water\Draws\022067-ROB-TANK-EXIST-COND.dwg



**PLAN**  
 1"=20'

**LEGEND**

-  WETLAND AREA
-  SENSITIVE PLANTS COMMUNITY

**60% DESIGN**

VERIFY SCALES  
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 SCALES ACCORDINGLY

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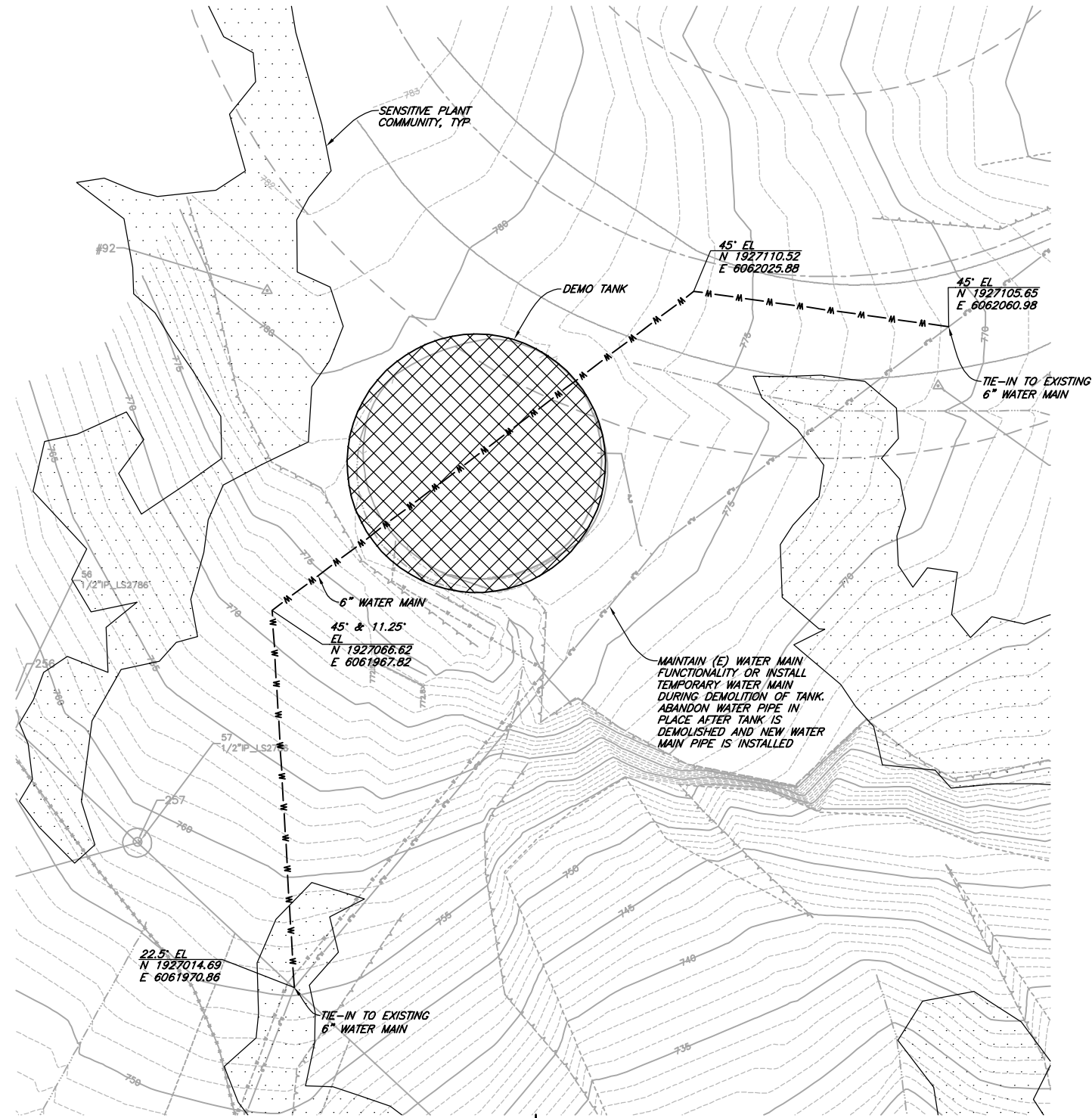
NO.	DATE	REVISION	BY

DESIGN -  
 DR CDN/JWF  
 CHK JSO  
 APVD  
 GARBERVILLE SANITARY DISTRICT  
 ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT  
 GARBERVILLE, CALIFORNIA  
**ROBERTSON TANK OVERVIEW**

SHEET	<b>C6.0</b>
SEQ	
DATE	09/2023
PROJ. NO.	022067



SAVED: 9/29/2023 3:38 PM JFOSTER, PLOTTED: 10/14/2023 8:23 AM NEWELL, CHRIS  
 F:\Eureka\2022\022067-GSD-Water\Draws\022067-ROB-TANK-DEMO.dwg





**PLAN**  
 1"=10'


**NOTES:**

1. ALL DEMOLITION SHALL BE CARRIED OUT IN A MANNER WHICH WILL PREVENT INJURY TO WORKERS AND DAMAGE TO ADJACENT FACILITIES. DEMOLITION WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LAWS AND ORDINANCES. EXISTING MATERIALS AND EQUIPMENT REMOVED BY THE CONTRACTOR SHALL NOT BE REUSED IN THE WORK UNLESS OTHERWISE SPECIFIED, AND BECOME THE CONTRACTORS PROPERTY AND BE REMOVED FROM THE JOB SITE, EXCEPT AS NOTED BELOW.
2. TANK DEMOLITION
  - A. REMOVE TANK ROOF AND SUPPORT STRUCTURE.
  - B. BREAK A MINIMUM OF FOUR-4 FOOT DIAMETER HOLES THROUGH TANK FLOOR TO PROVIDE DRAINAGE THROUGH TANK.
  - C. REMOVE TANK WALLS TO 3'-0" BELOW FINISHED GRADE. CONCRETE RUBBLE TO BE PAVED EVENLY ACROSS TANK BOTTOM.
  - D. BACKFILL TANK TO A MINIMUM OF 2 FEET OVER TOP OF CONCRETE RUBBLE WITH CLASS 2 PERMEABLE MATERIAL IN ACCORDANCE WITH CALTRANS STANDARD SPECIFICATION SECTION 68-1.025.
  - E. BACKFILL REMAINING TANK WITH NATIVE MATERIAL TO 6" BELOW FINISHED GRADE. NATIVE MATERIAL TO BE PLACED IN 8-INCH LIFTS AND SHALL BE WITHIN 2 PERCENT OF THE OPTIMUM MOISTURE CONTENT. COMPACT NATIVE MATERIAL TO 90% RELATIVE COMPACTION.
3. FINISH GRADE PREPARATION
  - A. PLACE 6" MINIMUM TOPSOIL OVER BACKFILL.
  - B. GRADE SMOOTH AND ROLL TO MATCH EXISTING CONTOURS.
  - C. PLANT ENTIRE RECLAIMED AREA WITH LAWN GRASS AND APPLY FERTILIZER AT MANUFACTURERS RECOMMENDED RATES.
4. CONTRACTOR TO PROVIDE PHOTO AND VIDEO SURVEY OF PROPERTY TO DOCUMENT EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK IN THIS AREA.
5. CONTRACTOR TO PROTECT IN PLACE ALL LANDSCAPING AND ARCHITECTURAL ELEMENTS. IF DAMAGE OCCURS, THE CONTRACTOR IS TO REPLACE DAMAGED ELEMENTS IN KIND.

**LEGEND**

-  SENSITIVE PLANTS COMMUNITY
-  DEMO

**60% DESIGN**

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812 W. WABASH AVE. EUREKA, CA 95501 WWW.S&W-ENR.COM 707-441-8885			
GARBERVILLE SANITARY DISTRICT ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT GARBERVILLE, CALIFORNIA <b>ROBERTSON TANK DEMOLITION PLAN          AND WATER MAIN REPLACEMENT</b>		SHEET <b>C6.1</b>	
DSGN - DR CDN/JWF CHK JSO APVD		BY REVISION DATE NO.	
PROJ. NO. 022067		DATE 09/2023	



SAVED: 9/29/2023 10:32 AM JFOSTER, PLOTTED: 10/4/2023 8:24 AM NEWELL, CHRIS  
 F:\Eureka\2022\022067-GSD-Water\Drawgs\022067-TOB-WELL-GEN-SITE.dwg



CEDAR STREET

PINE LANE

GRVEL ACCESS DRIVEWAY. STRIP VEGETATION AND TOPSOIL PRIOR TO PLACEMENT OF GRAVEL

(E) TOBIN WELL HOUSE

GENERATOR

8.00'

PLAN  
 1"=10'

60% DESIGN

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 0 1"  
 IF NOT ONE INCH ON THIS SHEET, SCALES ACCORDINGLY

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NO.	DATE	REVISION	BY

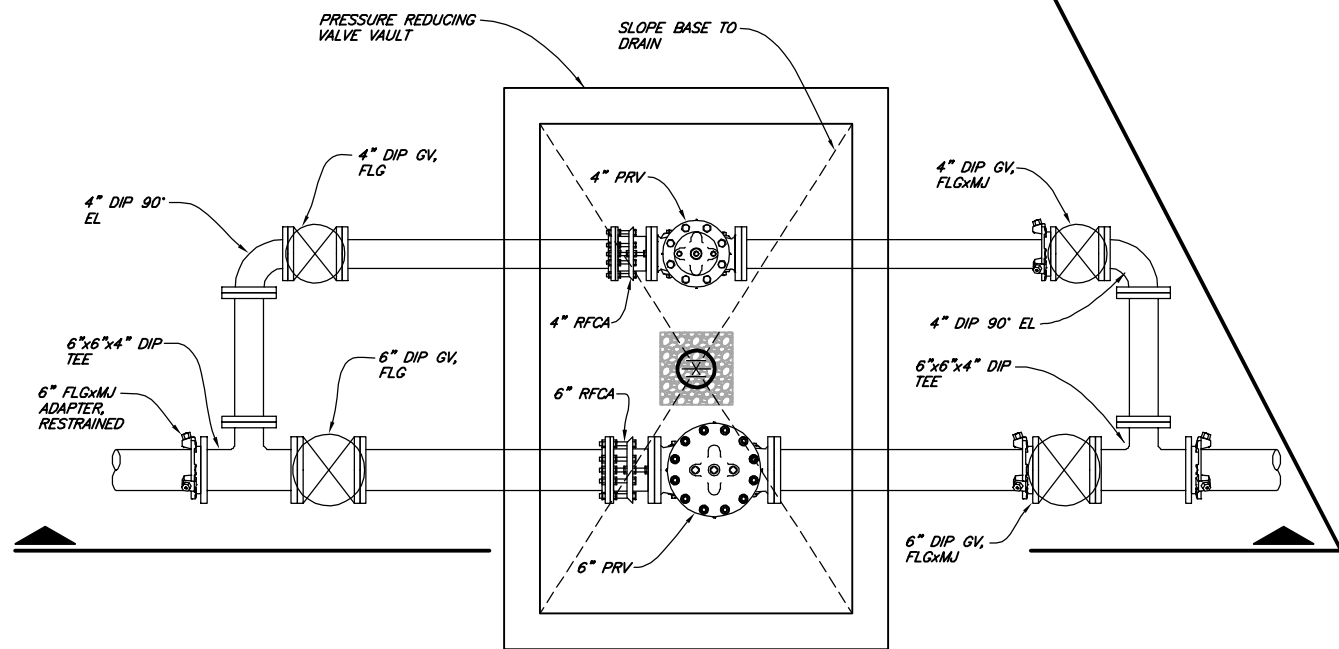
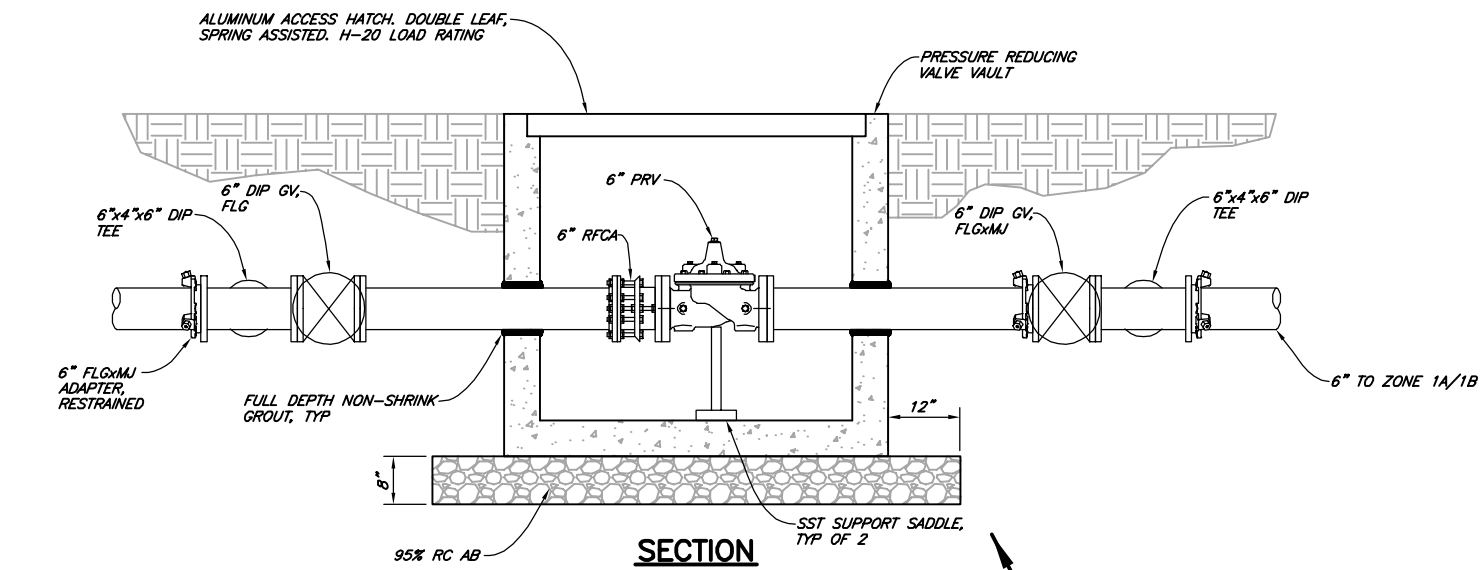
DESIGN	
DR	CDN/JWF
CHK	JSO
APVD	

GARBERVILLE SANITARY DISTRICT  
 ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT  
 GARBERVILLE, CALIFORNIA  
**TOBIN WELL GENERATOR SITE PLAN**

SHEET	C7.0
SEQ	
DATE	09/2023
PROJ. NO.	022067



SAVED: 9/29/2023 12:22 PM JFOSTER, PLOTTED: 10/4/2023 8:24 AM NEWELL, CHRIS  
 F:\Eureka\2022\022067-GSD-Water\Drawings\022067-DETAILS.dwg



**PLAN**

**DETAIL 1**

**(PRESSURE REDUCING VALVE VAULT)**

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 IF NOT ONE INCH ON THIS SHEET, SCALES ACCORDINGLY

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 WWW.S&W-ENR.COM  
 707-441-8885



NO.	DATE	BY

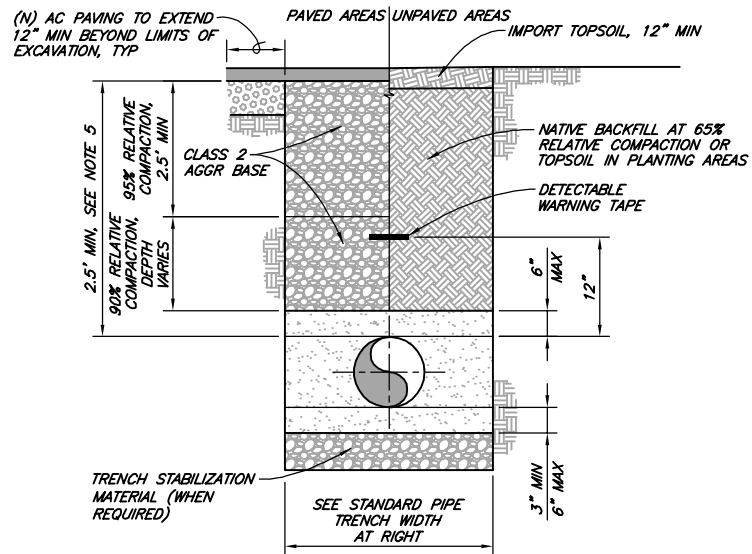
DESIGN	
DR	JWF/CDN
CHK	JSO
APVD	

GARBERVILLE SANITARY DISTRICT  
 ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT  
 GARBERVILLE, CALIFORNIA  
**CIVIL DETAILS**

SHEET	<b>C8.0</b>
SEQ	
DATE	09/2023
PROJ. NO.	022067

**60% DESIGN**



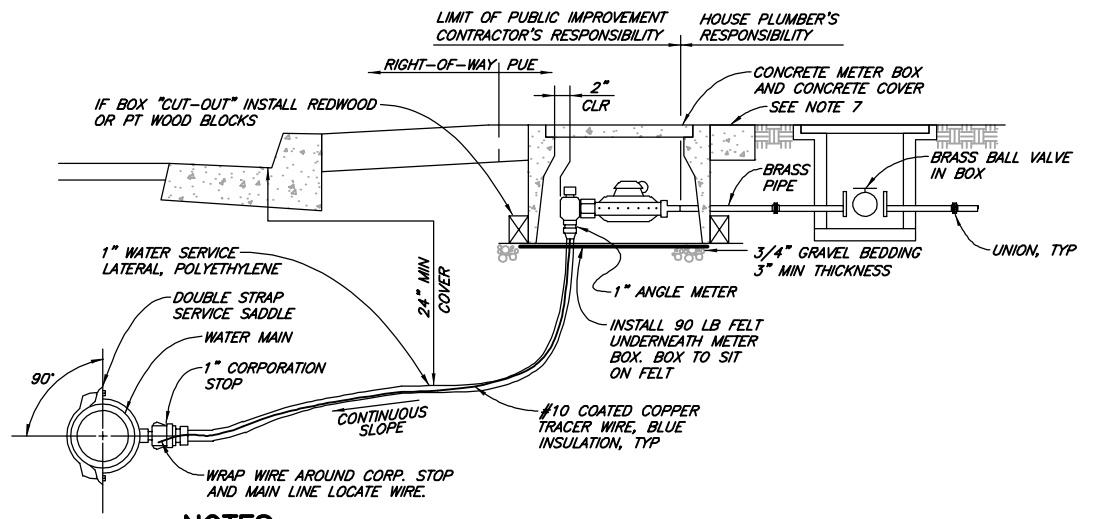


PIPE DIA "D"	MINIMUM "A"	MAXIMUM "A"
<4"	3"	6"
4" TO 6"	6"	12"
6" TO 15"	8"	14"
16" TO 21"	10"	18"
24" TO 30"	12"	18"
33" TO 42"	15"	21"
48" & LARGER	18"	24"

**NOTES:**

1. WIDER TRENCHES MAY REQUIRE HIGHER STRENGTH PIPE AND/OR SPECIAL BEDDING.
2. DIFFERING TRENCH WIDTHS REQUIRE PRIOR APPROVAL OF ENGINEER.
3. IN MAKING EXCAVATIONS FOR THIS PROJECT, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR PROVIDING AND INSTALLING ADEQUATE SHEETING, SHORING AND BRACING AS MAY BE NECESSARY AS A PRECAUTION AGAINST SLIDES OR CAVE-INS, AND TO PROTECT ALL EXISTING IMPROVEMENTS OF ANY KIND, EITHER ON PUBLIC OR PRIVATE PROPERTY, FULLY FROM DAMAGE.
4. SATISFACTORY NATIVE BACKFILL MATERIAL USED AS UTILITY TRENCH BACKFILL BELOW UNPAVED AREAS SHALL BE APPROVED BY THE ENGINEER PRIOR TO USE.
5. 2-SACK SLURRY BACKFILL MAY BE USED IN TRENCH WHEN MINIMUM PIPE COVER NOT POSSIBLE, WHEN APPROVED BY OWNER'S REPRESENTATIVE.
6. CLASS 2 AGGREGATE BASE SHALL BE COMPACTED TO 95% RELATIVE COMPACTION.
7. DETECTABLE WARNING TAPE SHALL BE BRIGHT COLORED, CONTINUOUSLY PRINTED, MINIMUM 6" WIDE BY 4 MIL THICK, MANUFACTURED FOR DIRECT BURIAL.
8. DETECTABLE WARNING TAPE NOT REQUIRED FOR IRRIGATION LINES.
9. GRAVEL ROADS SHALL USE PAVED AREA TRENCH SECTION BUT WITH AGGREGATE BASE TO SURFACE, UNLESS NOTED OTHERWISE.

**DETAIL 1**  
NTS  
(TYPICAL TRENCH)



**NOTES:**

1. ALL WATER SERVICE MATERIALS SHALL BE AS SPECIFIED IN THE DESIGN SPECIFICATIONS (OR APPROVED EQUAL).
2. FACTORY MANUFACTURED FITTINGS SHALL BE USED EXCLUSIVELY.
3. #10 COPPER TRACER WIRE WITH BLUE INSULATION SHALL BE TAPED TO ALL WATER MAINS, SERVICES, AND FITTINGS. TRACER WIRE SHALL BE SECURELY CONNECTED TO THE WATER MAIN TRACE WIRE AT ONE END, AND SHALL TERMINATE IN A LOOP JUST BELOW THE LID IN THE METER BOX AT THE OTHER END.
4. ALL WATER SERVICE SADDLES SHALL HAVE ALL EXPOSED NUTS AND BOLTS COMPLETELY COVERED WITH SPRAY-ON RUBBERIZED UNDERCOATING.
5. CONNECTIONS BETWEEN FITTINGS AND WATER SERVICE PIPING SHALL BE MADE WITH PACK JOINTS, AND STAINLESS STEEL INSERT STIFFENERS SHALL BE USED AS NEEDED WHEN CONNECTING WATER SERVICE PIPING TO PACK JOINTS.
6. NEW WATER SERVICES SHALL BE PUSHED OR BORED UNDER EXISTING SIDEWALK UNLESS NOTED OTHERWISE.
7. WHERE NO SIDEWALK EXISTS, CONSTRUCT A 4" THICK BY 6" CLEAR WIDTH CONCRETE COLLAR PAD FOR METER BOX SET.
8. PRIOR TO METER SET, ADDRESS TO BE CLEARLY MARKED ON UNDERSIDE BOX LID WITH PERMANENT FELT MARKER.

**DETAIL 2**  
NTS  
(WATER SERVICE)

**STEM EXTENSION FABRICATION NOTES**

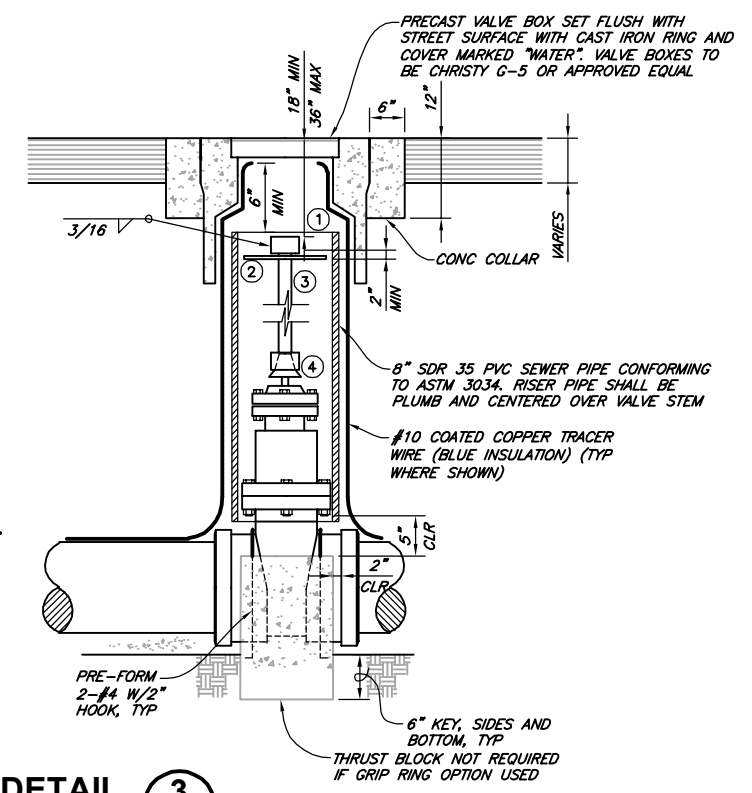
1. ALL WELDS TO RISER SHAFT SHALL BE FILLET WELD ALL AROUND, AS SPECIFIED BELOW.
2. ALL STEEL REQUIRED FOR RISER FABRICATION SHALL BE STRUCTURAL STEEL PER ASTM A36.

**VALVE STEM EXTENSION PARTS LIST**

- 1 VALVE OPERATING NUT OR 1-7/8" x 1-7/8" x 2" HIGH, SOLID STEEL WELDED TO RISER SHAFT.
- 1/8" THK x 7-1/2" DIA GUIDE PLATE WELDED TO RISER SHAFT.
- 1-1/2" x 3/16" SQUARE STEEL TUBING, LENGTH AS REQUIRED. EDGE WELD OPERATING NUT AT BOTH ENDS.
- 2-1/2" x 3/16" SQUARE STEEL TUBING 2-1/2" IN LENGTH WELDED TO RISER SHAFT.

**NOTES:**

1. IF VALVE IS INSTALLED SO THAT THE TOP OF THE OPERATING NUT IS LESS THAN 36" BELOW FINISHED GRADE, THE STEM RISER IS NOT REQUIRED.
2. ALL EXTERNAL BOLTS AND NUTS ON VALVES SHALL BE 304 STAINLESS STEEL OR VALVE ASSEMBLY SHALL BE POLY WRAPPED.
3. IF ENDLINE VALVE, THEN PROVIDE ADEQUATE THRUST BLOCKING & RESTRAINT OR FLANGED/MJ CONNECTION.
4. PROVIDE CLOW, WATEROUS, OR AVK VALVE.



**DETAIL 3**  
NTS  
(GATE VALVE INSTALLATION)

**HORIZONTAL BENDS, DEAD ENDS, AND INLINE VALVES**

Pipe Size	1 1/2" Bend	2 1/2" Bend	4 1/2" Bend	90° Bend	Dead End & Inline Valve
3"	2'	3'	6'	13'	38'
4"	2'	3'	6'	14'	43'
6"	2'	4'	8'	18'	60'
8"	3'	5'	11'	25'	79'
10"	3'	6'	13'	30'	94'
12"	4'	7'	15'	35'	111'
14"	4'	8'	17'	40'	128'
16"	5'	9'	19'	44'	145'
18"	6'	10'	20'	48'	158'

**TEES**  
RUN SIZE

BRANCH SIZE	3"	4"	6"	8"	10"	12"	14"	16"	18"
3"	1'	1'	1'	1'	1'	1'	1'	1'	1'
4"	1'	1'	1'	1'	1'	1'	1'	1'	1'
6"	1'	1'	1'	1'	1'	1'	1'	1'	1'
8"	1'	1'	1'	1'	1'	1'	1'	1'	1'
10"	1'	1'	1'	1'	1'	1'	1'	1'	1'
12"	1'	1'	1'	1'	1'	1'	1'	1'	1'
14"	1'	1'	1'	1'	1'	1'	1'	1'	1'
16"	1'	1'	1'	1'	1'	1'	1'	1'	1'
18"	1'	1'	1'	1'	1'	1'	1'	1'	1'

**REDUCERS**

BRANCH SIZE	3"	4"	6"	8"	10"	12"	14"	16"	18"
3"	1'	1'	1'	1'	1'	1'	1'	1'	1'
4"	1'	1'	1'	1'	1'	1'	1'	1'	1'
6"	1'	1'	1'	1'	1'	1'	1'	1'	1'
8"	1'	1'	1'	1'	1'	1'	1'	1'	1'
10"	1'	1'	1'	1'	1'	1'	1'	1'	1'
12"	1'	1'	1'	1'	1'	1'	1'	1'	1'
14"	1'	1'	1'	1'	1'	1'	1'	1'	1'
16"	1'	1'	1'	1'	1'	1'	1'	1'	1'
18"	1'	1'	1'	1'	1'	1'	1'	1'	1'

**VERTICAL OFFSET**

BRANCH SIZE	L1	L2
3"	4'	17'
4"	4'	18'
6"	5'	25'
8"	7'	35'
10"	8'	38'
12"	9'	46'
14"	11'	54'
16"	12'	59'
18"	13'	66'

**NOTES:**

1. JOINT RESTRAINT DEVICES SHALL BE USED IN LIEU OF THRUST BLOCKING FOR ALL PRESSURE MAIN AND APPURTENANCE INSTALLATIONS UNLESS PROJECT PLANS OR DESIGN CONDITIONS SPECIFICALLY REQUIRE THRUST BLOCKING.
2. THE RESTRAINED LENGTHS LISTED IN THE ABOVE TABLES ARE VALID FOR THE FOLLOWING INSTALLATION CONDITIONS:  
SOIL CLASSIFICATION: GW (ASTM STD. D2487); INCLUDES CLASS 2 AGGREGATE BASE BACKFILL  
TRENCH TYPE: TYPE 5 (AWWA C605)  
TEST PRESSURE: 150 PSI  
SAFETY FACTOR: 2 TO 1  
DEPTH OF BURY: 36" FROM SURFACE TO TOP OF PIPE  
PIPE TYPE: PVC C900  
WHERE INSTALLATION CONDITIONS DO NOT MATCH THOSE LISTED ABOVE, THE RESTRAINED LENGTHS SHALL BE RECALCULATED TO SUIT THE ACTUAL SITE CONDITIONS. ALL REVISED CALCULATIONS SHALL BE MADE WITH A TEST PRESSURE OF 150 PSI MINIMUM AND A SAFETY FACTOR OF 2. REVISED RESTRAINED LENGTHS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PIPE INSTALLATION.
3. ALL RESTRAINED FITTINGS SHALL BE FACTORY MANUFACTURED AND APPROVED FOR USE BY THE ENGINEER PRIOR TO PIPE INSTALLATION. THE FOLLOWING RESTRAINT FITTINGS HAVE BEEN PREQUALIFIED FOR USE:  
MECHANICAL JOINT GLANDS: ROMAC 'GRIPRING' PIPE RESTRAINER  
EBBA IRON SERIES 2000 PV  
BELL AND SPIGOT JOINTS: ROMAC MODEL 611 (4" THROUGH 8")  
EBBA IRON SERIES 1600 (4" THROUGH 12")  
EBBA IRON SERIES 2800 (14" THROUGH 36")
4. ALL MECHANICAL JOINT CONNECTIONS AT FITTINGS SHALL BE RESTRAINED.

**DETAIL 4**  
NTS  
(RESTRAINED JOINTS)

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DESIGN: JWF/CDN  
 CHECK: JSO  
 APPROVED:

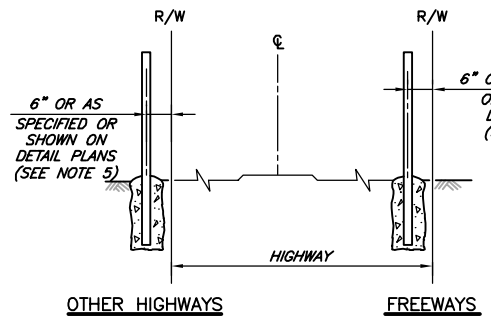
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 GARBERVILLE, CALIFORNIA

**CIVIL DETAILS**

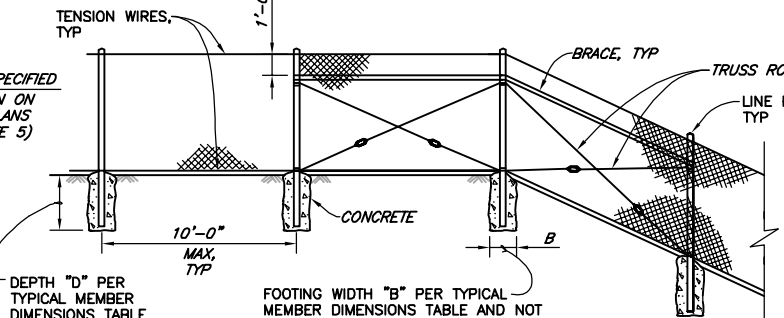
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 SEQ: 09/2023  
 DATE: 09/2023  
 PROJ. NO.: 022067

**60% DESIGN**

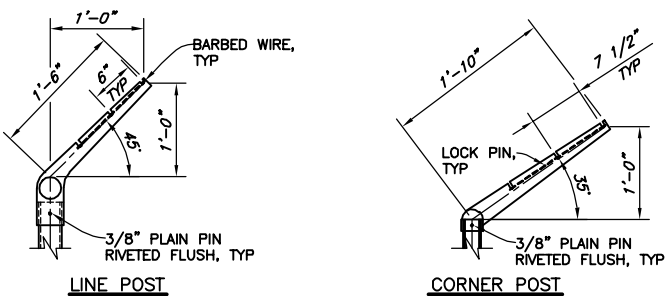




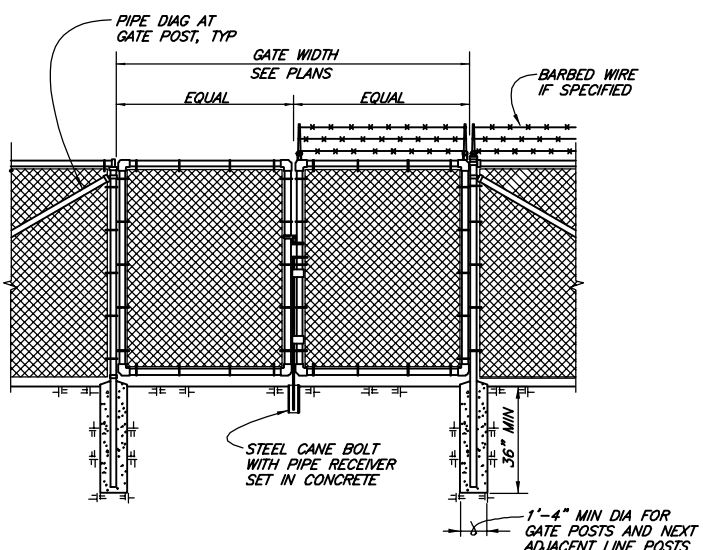
**FENCE LOCATION**



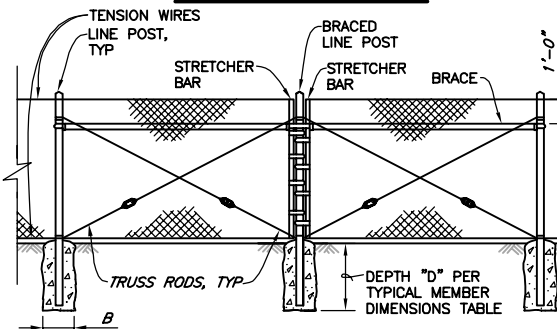
**CHAIN LINK FENCE ON SHARP BREAK IN GRADE**



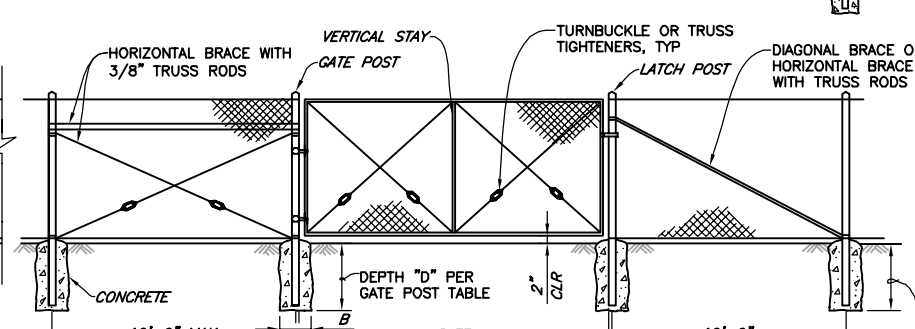
**BARBED WIRE POST TOP**



**NOTE:**  
 1. LATCH MECHANISM SHALL BE LOCKABLE. FREE END OF GATES SHALL BE EQUIPPED WITH DEVICES TO HOLD BOTH GATES IN THE OPEN POSITION.  
 2. FENCE AND DOUBLE LEAF SWING GATE PER CALTRANS STANDARD DETAIL A-85.



**BRACED LINE POST INSTALLATION**

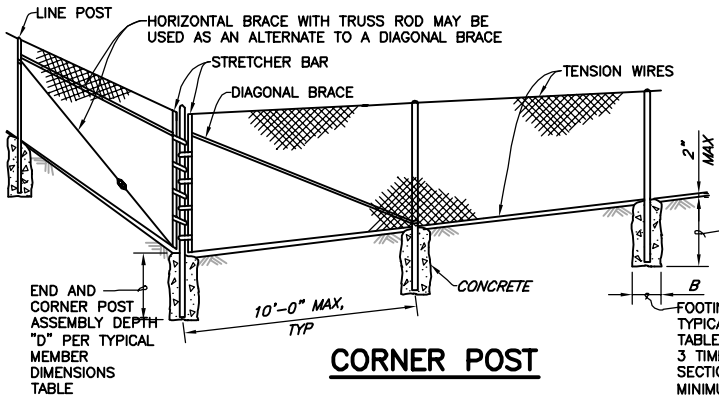


**CHAIN LINK GATE INSTALLATION**

FENCE HEIGHT (MAX)	SLATTED	B (IN)	D (FT)	ROUND PIPE		
				SECTION	ROUND OD PIPE	WEIGHT (LB/FT)
5'-0"	NO	12"	2'-6"	3 Std	3.50"	7.58
6'-0"	NO	12"	2'-6"	3 Std	3.50"	7.58
8'-0"	NO	12"	3'-0"	3 Std	3.50"	7.58
10'-0"	NO	14"	3'-6"	3 Std	3.50"	7.58
5'-0"	YES	12"	3'-0"	3 1/2 Std	4.00"	9.12
6'-0"	YES	14"	3'-6"	4 Std	4.50"	10.80
8'-0"	YES	18"	3'-6"	5 Std	5.56"	14.60
10'-0"	YES	20"	4'-0"	6 Std	6.63"	19.00

ABOVE POST DIMENSIONS AND WEIGHTS ARE MINIMUMS. LARGER SIZES MAY BE USED UPON APPROVAL.

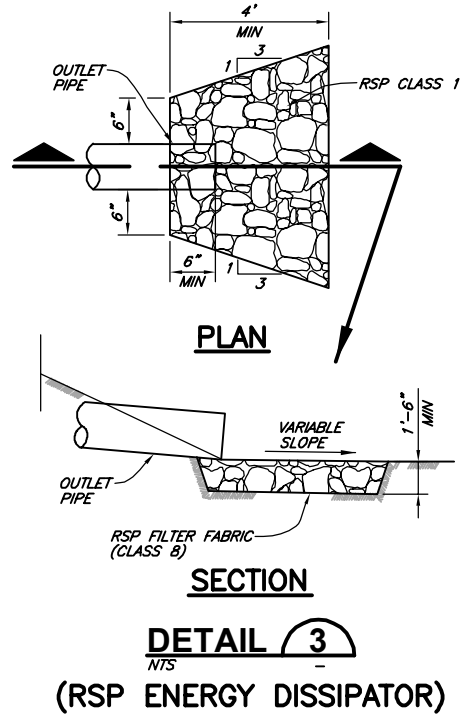
**DETAIL 2**  
 NTS  
 (CHAIN LINK DOUBLE-SWING GATE)



**CORNER POST**

FENCE HEIGHT (MAX)	SLATTED	B (IN)	D (FT)	LINE POSTS				BRACES					
				ROUND PIPE		ROLL FORMED		ROUND PIPE		ROLL FORMED			
				SECTION	ROUND OD PIPE	WEIGHT (LB/FT)	SECTION	WEIGHT (LB/FT)	SECTION	ROUND OD PIPE	WEIGHT (LB/FT)	SECTION	WEIGHT (LB/FT)
5'-0"	NO	8"	2'-6"	1 1/2 Std	1.90"	2.72	1.875" x 1.625"	1.85	1 1/2 Std	1.90"	2.72	1.625" x 1.250"	1.35
6'-0"	NO	10"	2'-6"	2 Std	2.38"	3.66	1.875" x 1.625"	2.40	2 Std	2.38"	3.66	1.625" x 1.250"	1.35
8'-0"	NO	12"	3'-0"	2 1/2 Std	2.88"	5.80	3.250" x 2.500"	4.50	2 Std	2.38"	3.66	1.625" x 1.250"	1.35
10'-0"	NO	14"	3'-6"	3 Std	3.50"	7.58	3.250" x 2.500"	4.50	2 1/2 Std	2.88"	5.80	1.625" x 1.250"	1.35
5'-0"	YES	12"	3'-0"	3 1/2 Std	4.00"	9.12	N/A	-	2 Std	2.38"	3.66	N/A	-
6'-0"	YES	14"	3'-0"	4 Std	4.50"	10.80	N/A	-	2 Std	2.38"	3.66	N/A	-
8'-0"	YES	18"	3'-6"	5 Std	5.56"	14.60	N/A	-	2 Std	2.38"	3.66	N/A	-
10'-0"	YES	20"	4'-0"	6 Std	6.63"	19.00	N/A	-	2 1/2 Std	2.88"	5.80	N/A	-

**DETAIL 1**  
 NTS  
 (SECURITY FENCE)



**SECTION**  
**DETAIL 3**  
 NTS  
 (RSP ENERGY DISSIPATOR)

**NOTES:**  
 1. THE TABLE TO THE RIGHT SHOWS MINIMUM SIZED POSTS AND BRACES COMPLYING WITH THE SPECIFICATIONS. LARGER OR HEAVIER POST AND BRACE SIZES MAY BE USED UPON APPROVAL.  
 2. SECTIONS SHOWN IN THE TABLES MUST ALSO COMPLY WITH STRENGTH REQUIREMENTS AND OTHER PROVISIONS OF THE SPECIFICATIONS.  
 3. OTHER SECTIONS WHICH COMPLY WITH THE STRENGTH REQUIREMENTS AND OTHER PROVISIONS OF THE SPECIFICATIONS MAY BE USED UPON APPROVAL.  
 4. OPTIONS EXERCISED SHALL BE UNIFORM ON ANY ONE PROJECT.  
 5. OFFSET TO BE 2'-0" AT MONUMENT LOCATIONS, MEASURED AT RIGHT ANGLES TO R/W LINES. TAPER TO ACHIEVE OFFSET TO BE AT LEAST 20'-0" LONG.  
 6. SEE STANDARD PLAN A85B FOR BRACE, STRETCHER BAR, AND TRUSS TIGHTENER DETAILS.

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**CIVIL DETAILS**

DESIGN	DATE	NO.	REVISION	BY
DR				
CHK				
APVD				

SHEET **C8.2**  
 SEQ  
 DATE **09/2023**  
 PROJ. NO. **022067**



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**SO.1**  
SEQ  
DATE **09/2023**  
PROJ. NO.  
**022067**

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**STRUCTURAL NOTES AND LEGEND**

DSSN PEG  
DR JWF/CDN  
CHK JSO  
APVD

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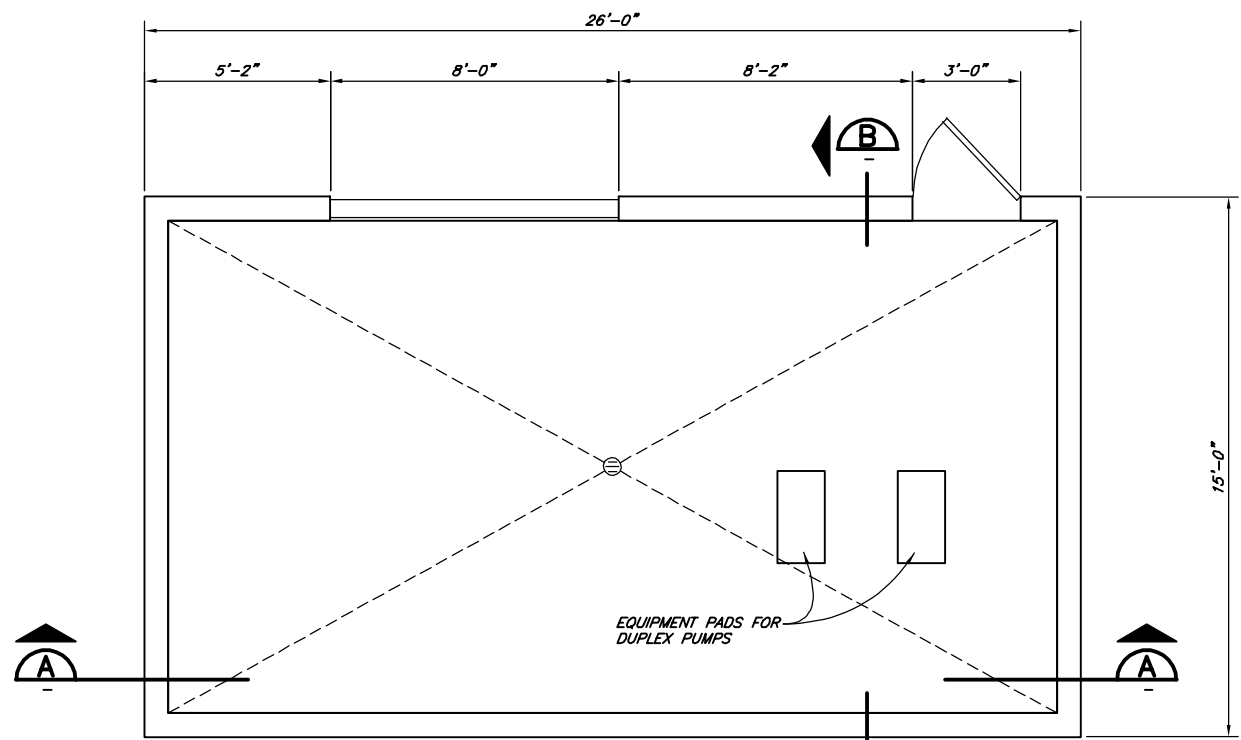


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APVD			
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REVISION			
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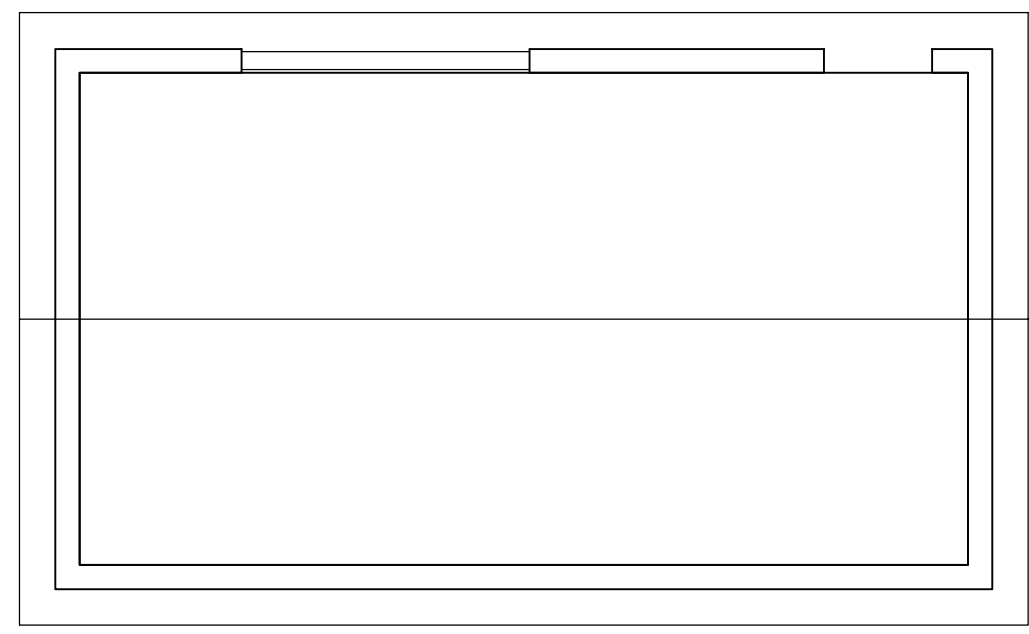


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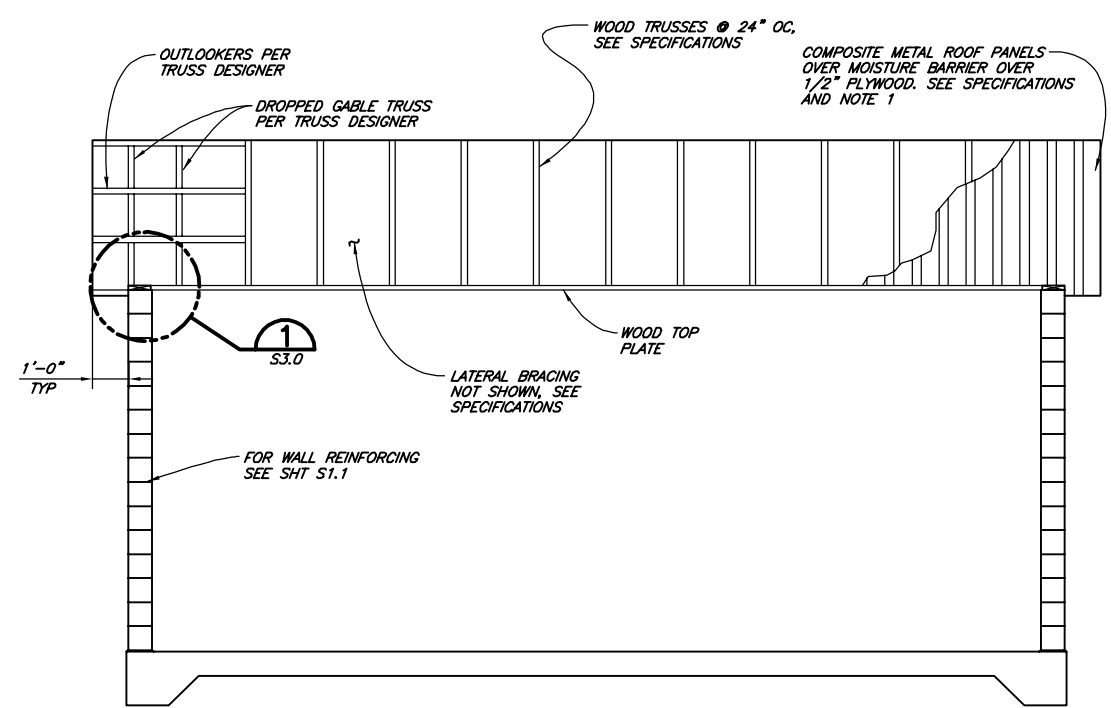


**NOTE:**  
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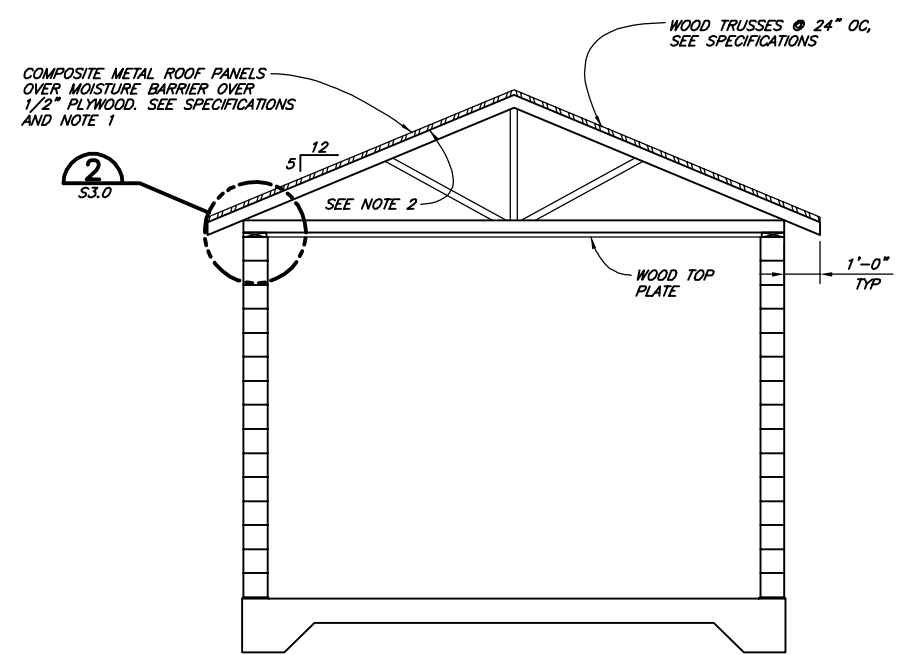
**FLOOR PLAN**  
 3/8"=1'-0"



**ROOF PLAN**  
 3/8"=1'-0"



**SECTION A**  
 3/8"=1'-0"



**SECTION B**  
 3/8"=1'-0"

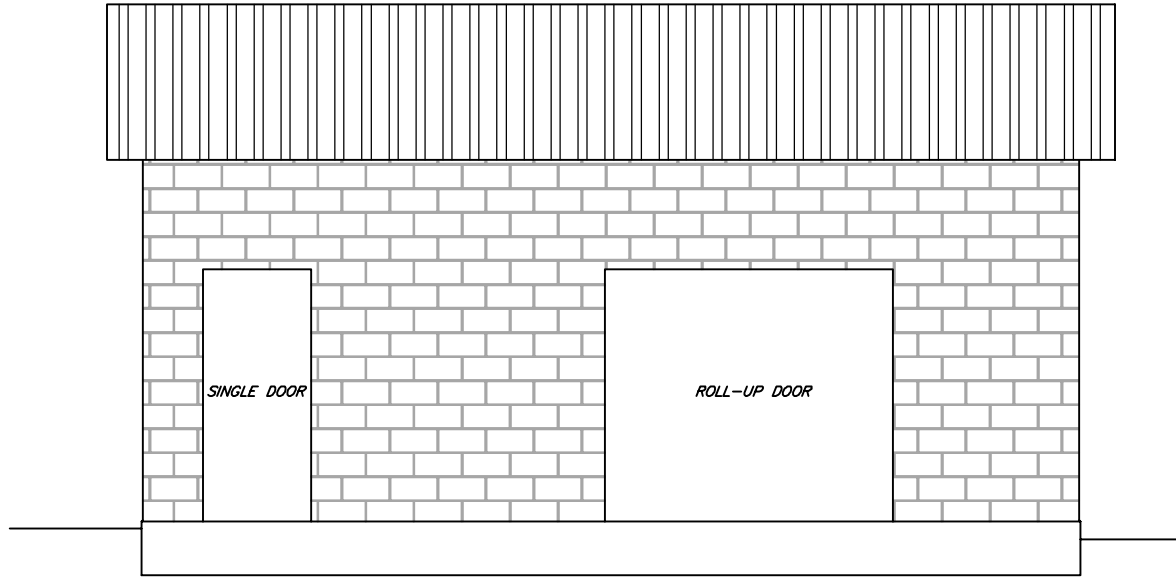
- NOTES:**
- PLYWOOD SHALL HAVE PANEL SPAN RATING ROOF/FLOOR OF 24/16. PROVIDE EDGE SUPPORT.
  - PAINT INTERIOR FACE OF PLYWOOD WITH ONE COAT OF PRIMER AND TWO COATS OF ENAMEL. COLOR TO BE APPROVED BY OWNER.
  - ALL DIMENSIONS FOR OPENINGS IN CMU ARE NOMINAL, CONTRACTOR TO ADJUST PER BLOCK CONSTRUCTION.

**60% DESIGN**

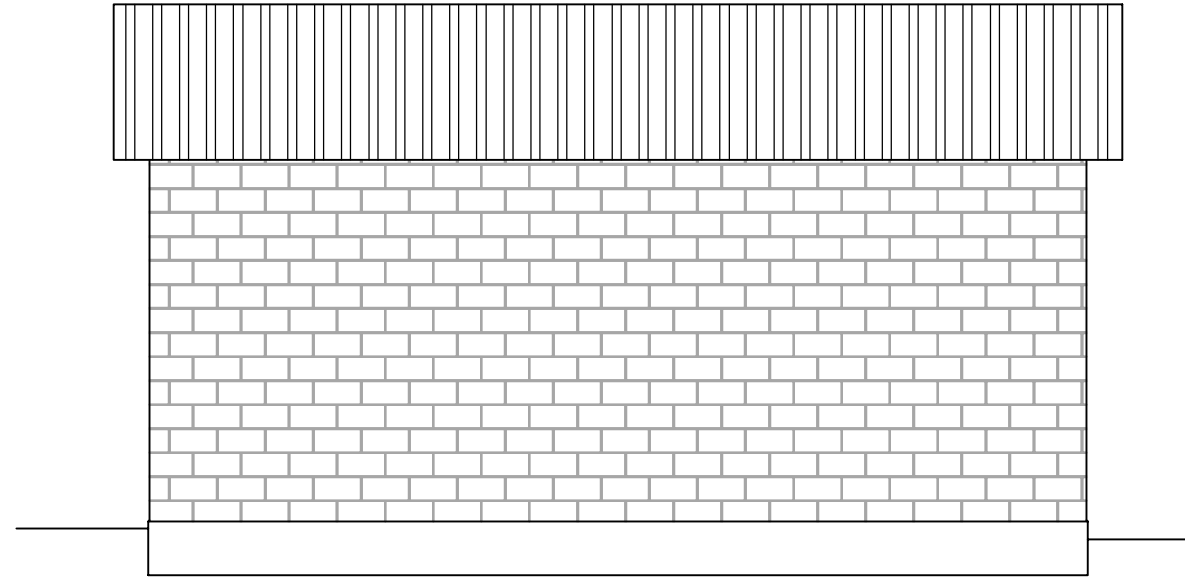
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REVISION		DATE	
NO.		DATE	
DSGN	PEG	DR	JWF/CDN
CHK	JSO	APVD	JSO
GARBERVILLE SANITARY DISTRICT ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT GARBERVILLE, CALIFORNIA <b>UPPER MAPLE LANE PUMP STATION          PLAN AND SECTIONS</b>			
SHEET <b>S1.0</b>		DATE 09/2023	
PROJ. NO. 022067		DATE 09/2023	



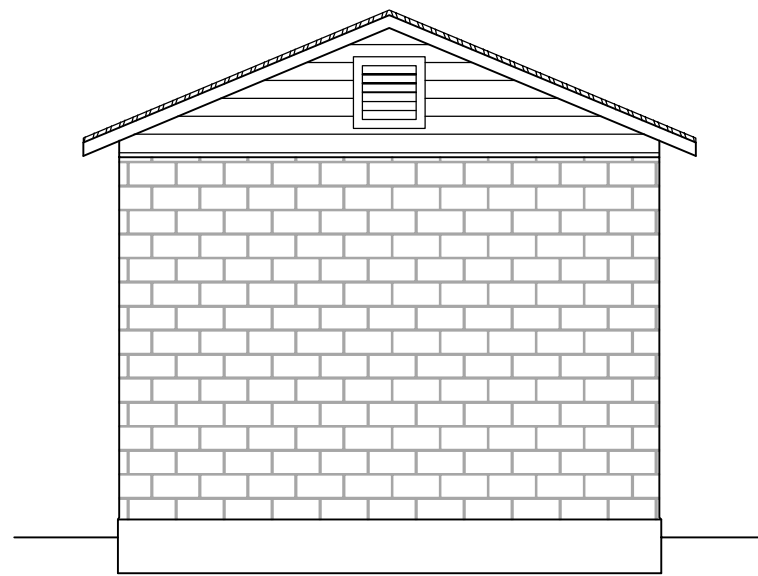
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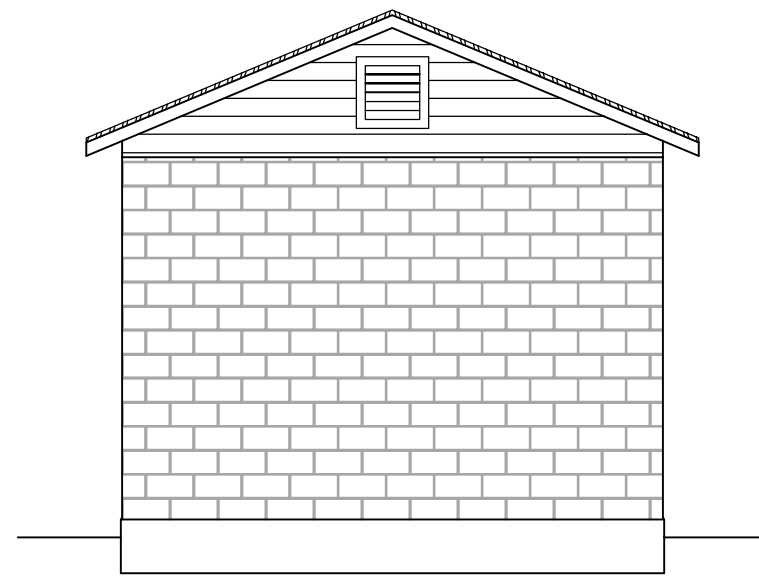
**NORTH ELEVATION**  
 $3/8"=1'-0"$



**SOUTH ELEVATION**  
 $3/8"=1'-0"$



**EAST ELEVATION**  
 $3/8"=1'-0"$



**WEST ELEVATION**  
 $3/8"=1'-0"$

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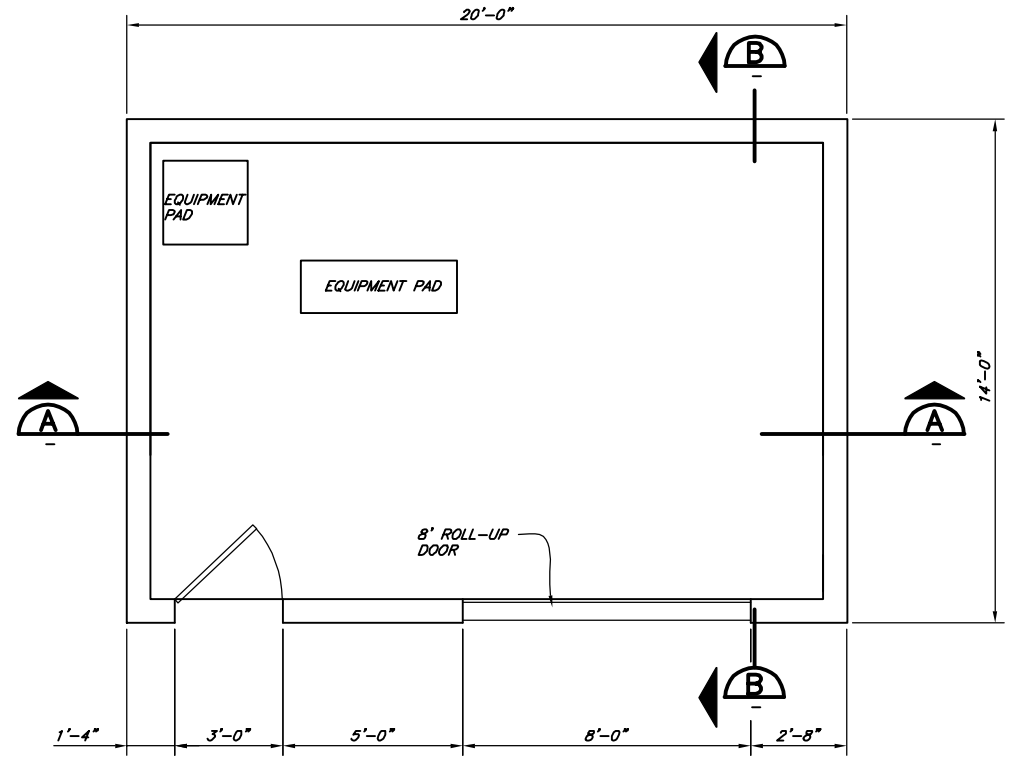
NO.	DATE	REVISION	BY

DESIGN	PEG
DR	JWF/CDN
CHK	JSO
APVD	

GARBERVILLE SANITARY DISTRICT  
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 GARBERVILLE, CALIFORNIA  
**UPPER MAPLE LANE PUMP STATION  
 REINFORCING DETAILS**

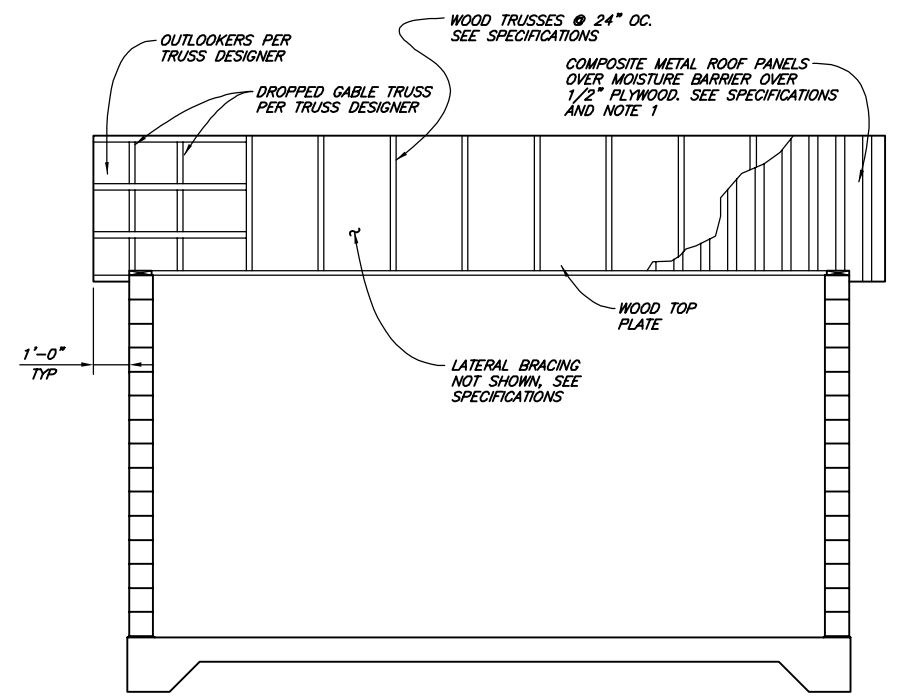
SHEET	S1.1
SEQ	
DATE	09/2023
PROJ. NO.	022067



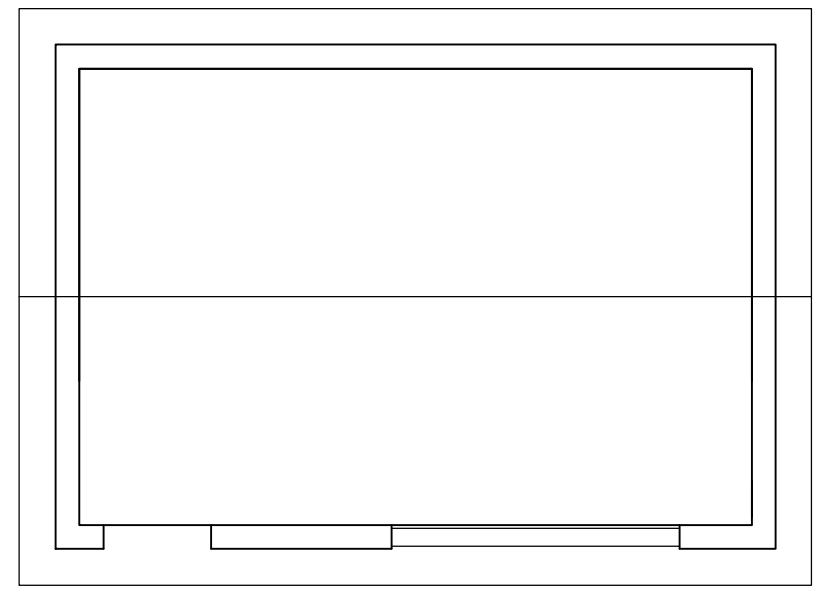


**NOTE:**  
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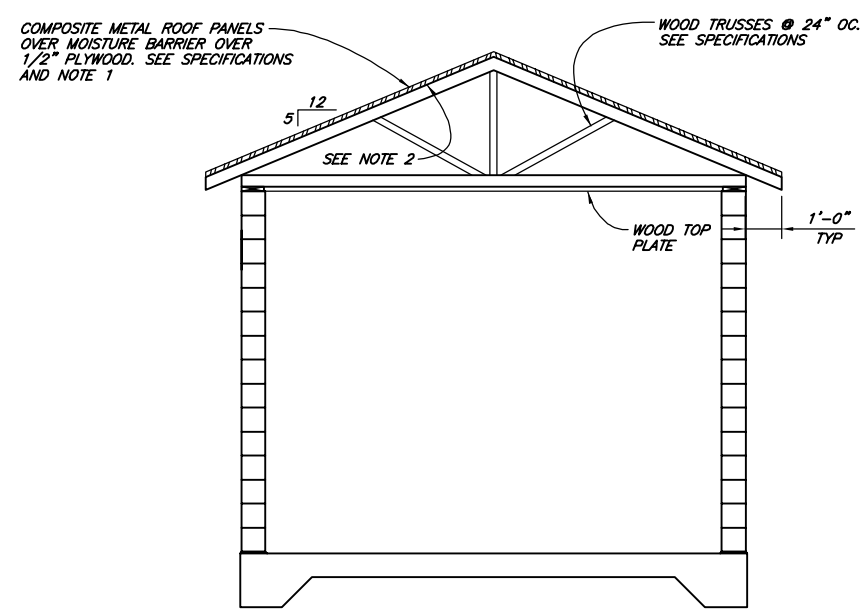
**FLOOR PLAN**  
 $3/8" = 1'-0"$



**SECTION A**  
 $3/8" = 1'-0"$



**ROOF PLAN**  
 $3/8" = 1'-0"$



**SECTION B**  
 $3/8" = 1'-0"$

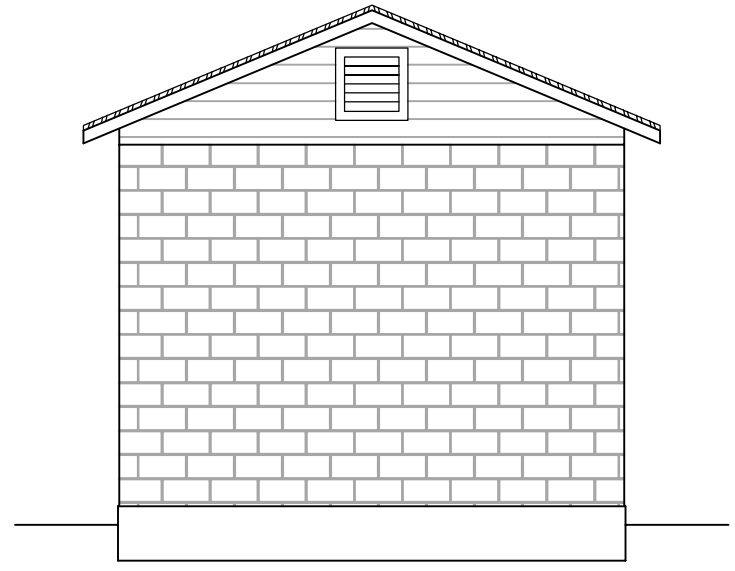
- NOTES:**
- PLYWOOD SHALL HAVE PANEL SPAN RATING ROOF/FLOOR OF 24/16. PROVIDE EDGE SUPPORT.
  - PAINT INTERIOR FACE OF PLYWOOD WITH ONE COAT OF PRIMER AND TWO COATS OF ENAMEL. COLOR TO BE APPROVED BY OWNER.
  - ALL DIMENSIONS FOR OPENINGS IN CMU ARE NOMINAL, CONTRACTOR TO ADJUST PER BLOCK CONSTRUCTION.

**60% DESIGN**

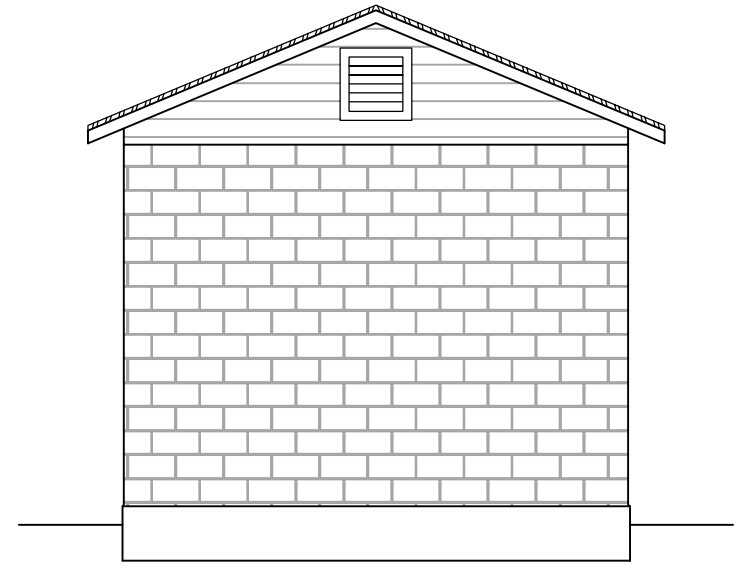
10/11/2023 8:58 AM JFOSTER, PLOTTED: 10/11/2023 10:17 AM JOHN FOSTER  
 F:\Eureka\2022\022067-GSD-Water\Draws\022067-STRUCT-ALDRPNT-PLP-STA.dwg

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON SCALES ACCORDINGLY	
812 W. WABASH AVE. CA 95801 WWW.S&W-ENR.COM 707-441-8855	
NO.	DATE
REVISION	BY
DSGN - DR CDN/JWF CHK JSO APVD	
GARBERVILLE SANITARY DISTRICT ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT GARBERVILLE, CALIFORNIA <b>ALDERPOINT PUMP STATION PLAN AND SECTIONS</b>	
SHEET	S2.0
SEQ	
DATE	09/2023
PROJ. NO.	022067

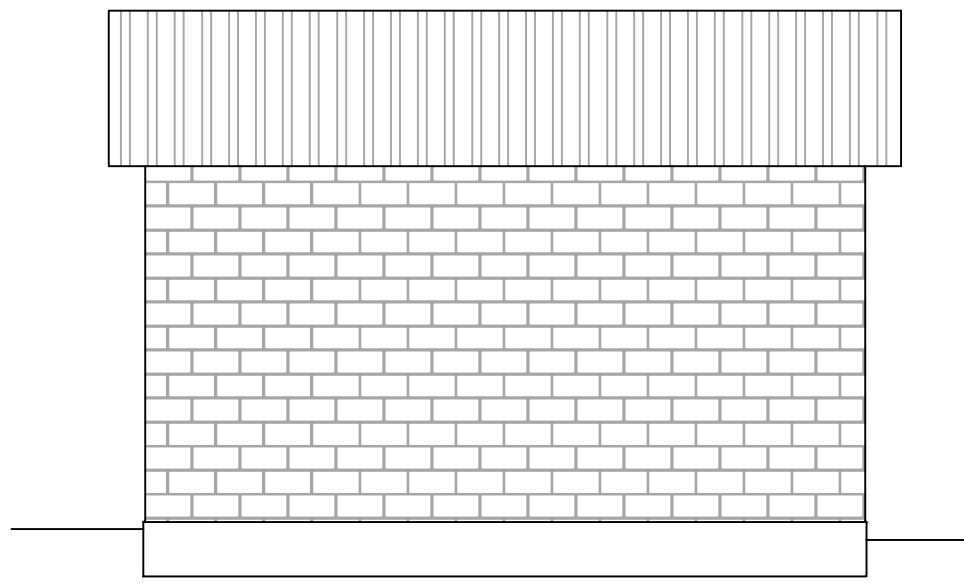
SAVED: 10/11/2023 8:58 AM JFOSTER, PLOTTED: 10/11/2023 10:17 AM JOHN FOSTER  
 P:\Eureka\2022\022067-GSD-Water\Draws\STRUCT-ALDRPNT-RMP-STA.dwg



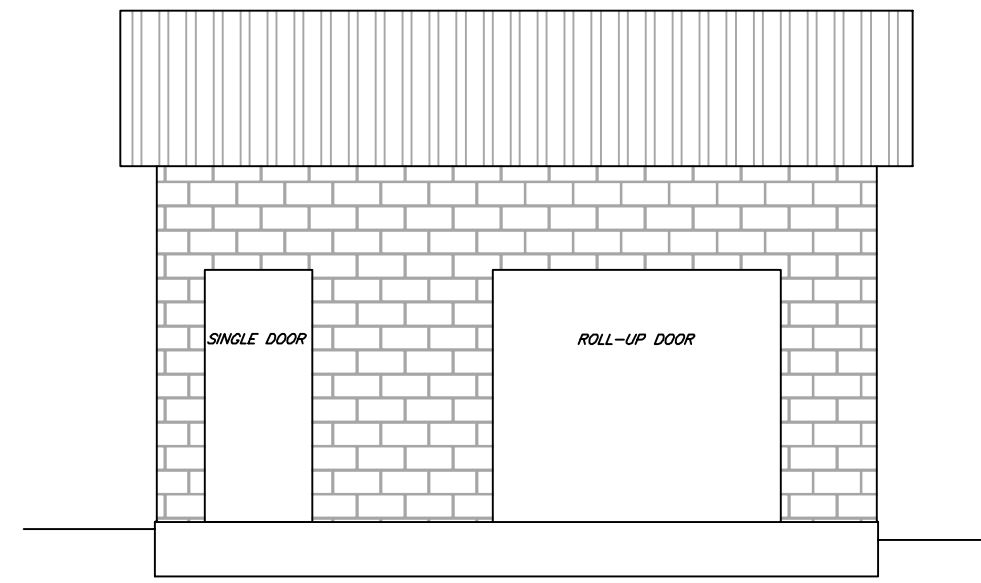
**NORTH ELEVATION**  
 3/8"=1'-0"



**SOUTH ELEVATION**  
 3/8"=1'-0"




**EAST ELEVATION**  
 3/8"=1'-0"

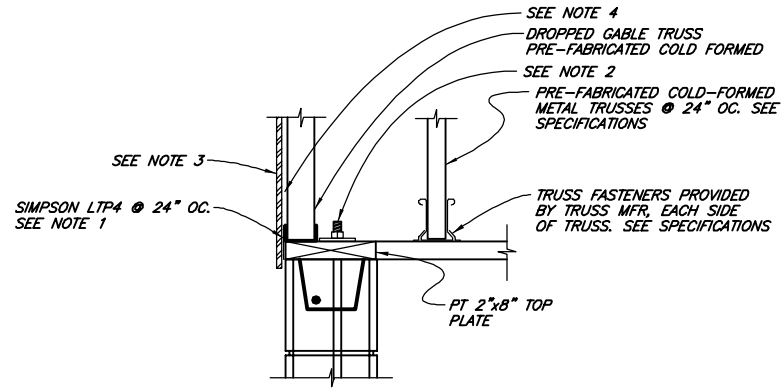


**WEST ELEVATION**  
 3/8"=1'-0"

**60% DESIGN**

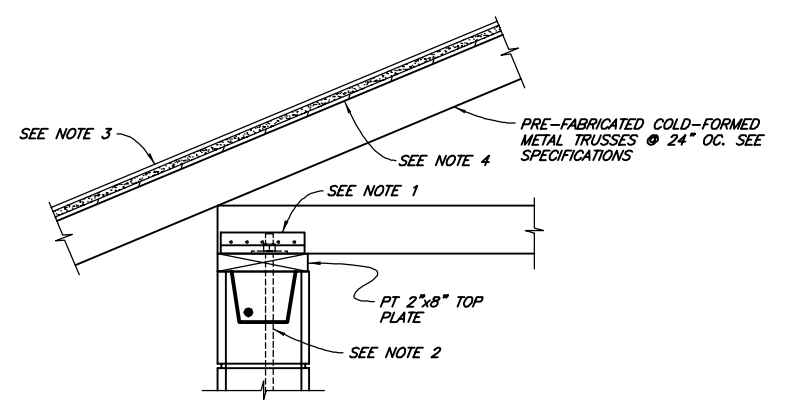
VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON SCALES ACCORDINGLY	
812 W. WABASH AVE. FRESNO, CA 93701 WWW.S&W-CA.COM 707-441-8855	
	
NO.	REVISION
DATE	BY
DSSN - DR CDN/JWF CHK JSO APVD	
GARBERVILLE SANITARY DISTRICT ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT GARBERVILLE, CALIFORNIA <b>ALDERPOINT PUMP STATION          REINFORCING DETAILS</b>	
SHEET	S2.1
SEQ	
DATE	09/2023
PROJ. NO.	022067





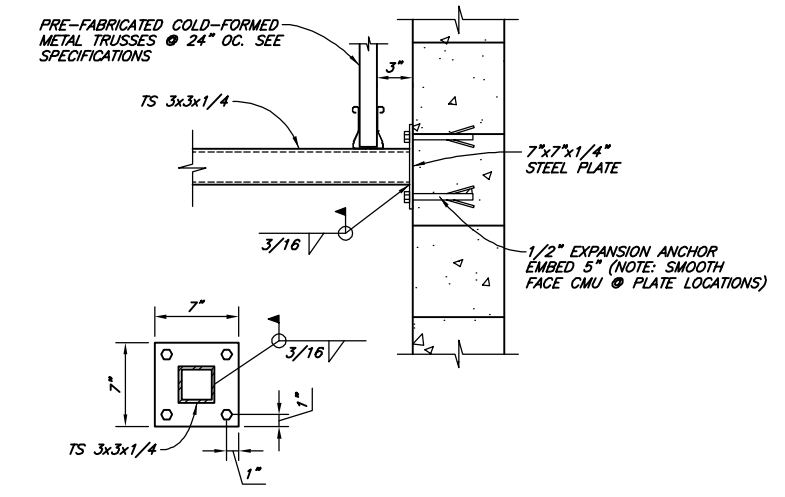
- NOTES:**
1. NAIL LTP4 TO TOP PLATE PER SIMPSON INSTRUCTIONS. SCREW TO TRUSS W/6-#10 SELF-DRILLING SCREWS.
  2. 5/8" DIA ANCHOR BOLTS W/15" MIN EMBEDMENT. PLACE IN GROUTED CELLS. DO NOT EXCEED 48" OC SPACING. INSTALL W/1/4"x3"x3" WASHER.
  3. COMPOSITE METAL WALL PANELS TO MATCH ROOFING OVER MOISTURE BARRIER OVER 1/2" PLYWOOD SHEETING. SEE SPECIFICATIONS.
  4. PAINT INTERIOR FACE OF PLYWOOD WITH ONE COAT OF PRIMER AND TWO COATS OF ENAMEL. COLOR TO BE APPROVED BY OWNER.

**DETAIL 1**  
NTS S1.0, S2.0  
(CORNER CONNECTION)

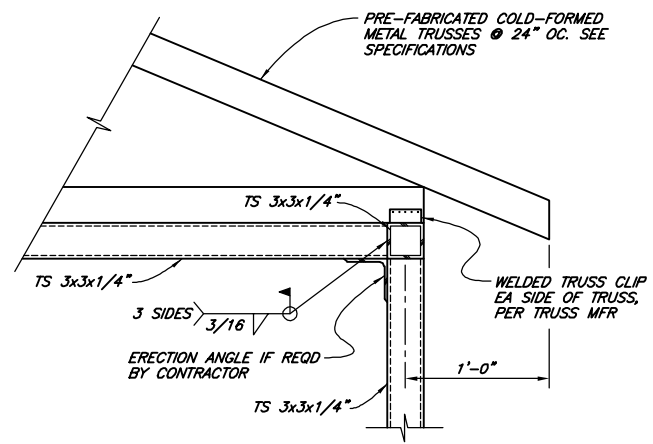


- NOTES:**
1. TRUSS FASTENERS EACH SIDE OF TRUSS. PROVIDED BY TRUSS MFR.
  2. 5/8" DIA ANCHOR BOLTS W/15" MIN EMBEDMENT. PLACE IN GROUTED CELLS. DO NOT EXCEED 48" OC SPACING. INSTALL W/1/4"x3"x3" WASHER.
  3. COMPOSITE METAL ROOF PANELS OVER MOISTURE BARRIER OVER 1/2" PLYWOOD. SEE SPECIFICATIONS.
  4. PAINT INTERIOR FACE OF PLYWOOD WITH ONE COAT OF PRIMER AND TWO COATS OF ENAMEL. COLOR TO BE APPROVED BY OWNER.

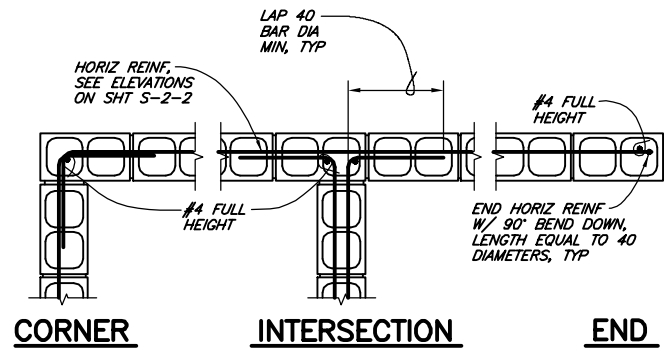
**DETAIL 2**  
NTS S1.0, S2.0  
(CORNER CONNECTION)



**DETAIL 3**  
NTS  
(ROOF SUPPORT CONNECTION)



**DETAIL 4**  
NTS S1.0, S2.0  
(CORNER CONNECTION)



**TYPICAL CMU WALL REINFORCING**  
NTS

SAVED: 9/28/2023 12:04 PM JFOSTER, PLOTTED: 10/4/2023 8:24 AM NEWELL, CHRIS  
 F:\Eureka\2022\022067-GSD-Water\Draws\022067-STRUC-DTL.S.dwg

**60% DESIGN**

	812 W. WABASH AVE. EUREKA, CA 95501 WWW.S&W-ENR.COM 707-441-8885	VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, SCALES ACCORDINGLY	BY: _____ DATE: _____ NO.: _____	REVISION NO. DATE
DSGN - _____ DR CDN/JWF CHK JSO APVD _____		GARBERVILLE SANITARY DISTRICT ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT GARBERVILLE, CALIFORNIA <b>STRUCTURAL DETAILS</b>		
SHEET <b>S3.0</b>		SEQ DATE 09/2023 PROJ. NO. 022067		