

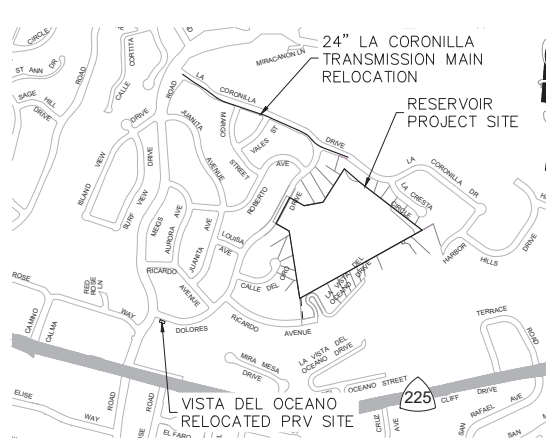
CITY OF SANTA BARBARA

VIC TRACE RESERVOIR REPLACEMENT PROJECT

PROJECT NO. XXXX, BID NO. XXXX



VICINITY MAP
N.T.S.



PROJECT LOCATION MAP
N.T.S.

ABBREVIATION LEGEND

AC	ASPHALT	FOW	FRONT OF WALK
ABAND	ABANDON	FT	FEET, FOOT
BLDG	BUILDING	G	GAS
BM	BENCHMARK	IRR	IRRIGATION
BMP	BEST MANAGEMENT PRACTICES	MH	MANHOLE
BOW	BACK OF WALK	RET	RETAINING
CB	CATCH BASIN	R/W	RIGHT OF WAY
CIP	CAST IRON PIPE	SS	SANITARY SEWER
CLSM	CONTROLLED LOW STRENGTH MATERIAL	SCE	SOUTHERN CALIFORNIA EDISON
CML&C	CEMENT LINED AND COATED	SD	STORM DRAIN
CONC	CONCRETE	SDMH	SANITARY SEWER MANHOLE
CTV	CABLE TELEVISION	T	TELEPHONE
DIA	DIAMETER	TYP	TYPICAL
DEMO	DEMOLISH	TC	TOP OF CURB
DWY	DEWATERING	TMH	TELEPHONE MANHOLE
E	ELECTRICAL	P	PAVEMENT
ECONC	EDGE OF CONCRETE	PP	POWER POLE
ESMT	EASEMENT	VCP	VITRIFIED CLAY PIPE
EXIST	EXISTING	W	WATER
FDN	FOUNDATION	WM	WATER METER
FH	FIRE HYDRANT	WSP	WELED STEEL PIPE
FL	FLOW LINE		

DRAWING INDEX		
SHEET NO	DRAWING NO	DRAWING TITLE
1	G-1	TITLE SHEET, SHEET INDEX AND VICINITY MAP
2	C-1	EXISTING CONDITIONS
3	C-2	RESERVOIR OVERALL SITE PLAN
4	C-3	RESERVOIR OVERALL GRADING PLAN
5	C-4	TEMPORARY CONSTRUCTION EXCAVATION AND GRADING PLAN
6	C-5	RESERVOIR SITE SECTIONS (NORTH - SOUTH & EAST - WEST)
7	C-6	RESERVOIR OVERALL PIPING PLAN
8	C-7	24" LA CORONILLA TRANSMISSION MAIN RELOCATION - PLAN & PROFILE - I STA 10+00 TO 18+00
9	C-8	24" LA CORONILLA TRANSMISSION MAIN RELOCATION - PLAN & PROFILE - II STA 18+00 TO 26+64
10	L-1	PRELIMINARY LANDSCAPE PLAN
11	M-1	VALVE BUILDING - PLAN AND SECTIONS
12	M-2	INLET VALVE VAULT - PLANS AND SECTION
13	M-3	OUTLET VALVE VAULT - PLANS AND SECTION
14	M-4	LA VISTA DEL OCEANO RELOCATED PRV SITE PLAN
15	S-1	RESERVOIR NO. 1 (WEST) - FLOOR AND ROOF PLANS
16	S-2	RESERVOIR NO. 2 (EAST) - FLOOR AND ROOF PLANS
17	S-3	RESERVOIR NOS. 1 & 2 - TYPICAL SECTION
18	E-1	SINGLE LINE DIAGRAM
19	E-2	PANEL SCHEDULE- I
20	I-1	RESERVOIRS, VALVE VAULTS, VALVE BUILDING, PRV STATION P&ID

SYMBOL LEGEND

— W —	EXISTING WATER MAIN	— CTV —	EXISTING CABLE TV	WM	EXISTING WATER METER	PAVING
— G —	EXISTING GAS MAIN	— —	EXISTING EDGE OF PAVEMENT	TMH	EXISTING TELEPHONE MANHOLE	CONCRETE
— S —	EXISTING SEWER MAIN	— —	EXISTING FLOWLINE	E	EXISTING ELECTRIC PULL BOX	TURF BLOCK
— E —	EXISTING SCE MAIN	— FH —	EXISTING FIRE HYDRANT	+	EXISTING POWER POLE	GRAVEL
— T —	EXISTING TELEPHONE MAIN	W	EXISTING WATER VALVE	+	EXISTING STREET SIGN	
— SD —	EXISTING STORM DRAIN MAIN	G	EXISTING GAS VALVE	+	EXISTING STREET LIGHT	
— O —	EXISTING FENCE	G	EXISTING GAS METER	+	EXISTING CITY MONUMENT	
— R/W —	RIGHT OF WAY LINE	+	BLOWOFF	+	EXISTING IP SURVEY MARKER	
---	PROPERTY LINE					



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DESIGN
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DATE

APPROVED
DATE

REVISIONS

NO.

NO.

NO.

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Know what's below.
Call before you dig.

VIC TRACE RESERVOIR REPLACEMENT PROJECT

TITLE SHEET, DRAWING INDEX AND VICINITY MAP

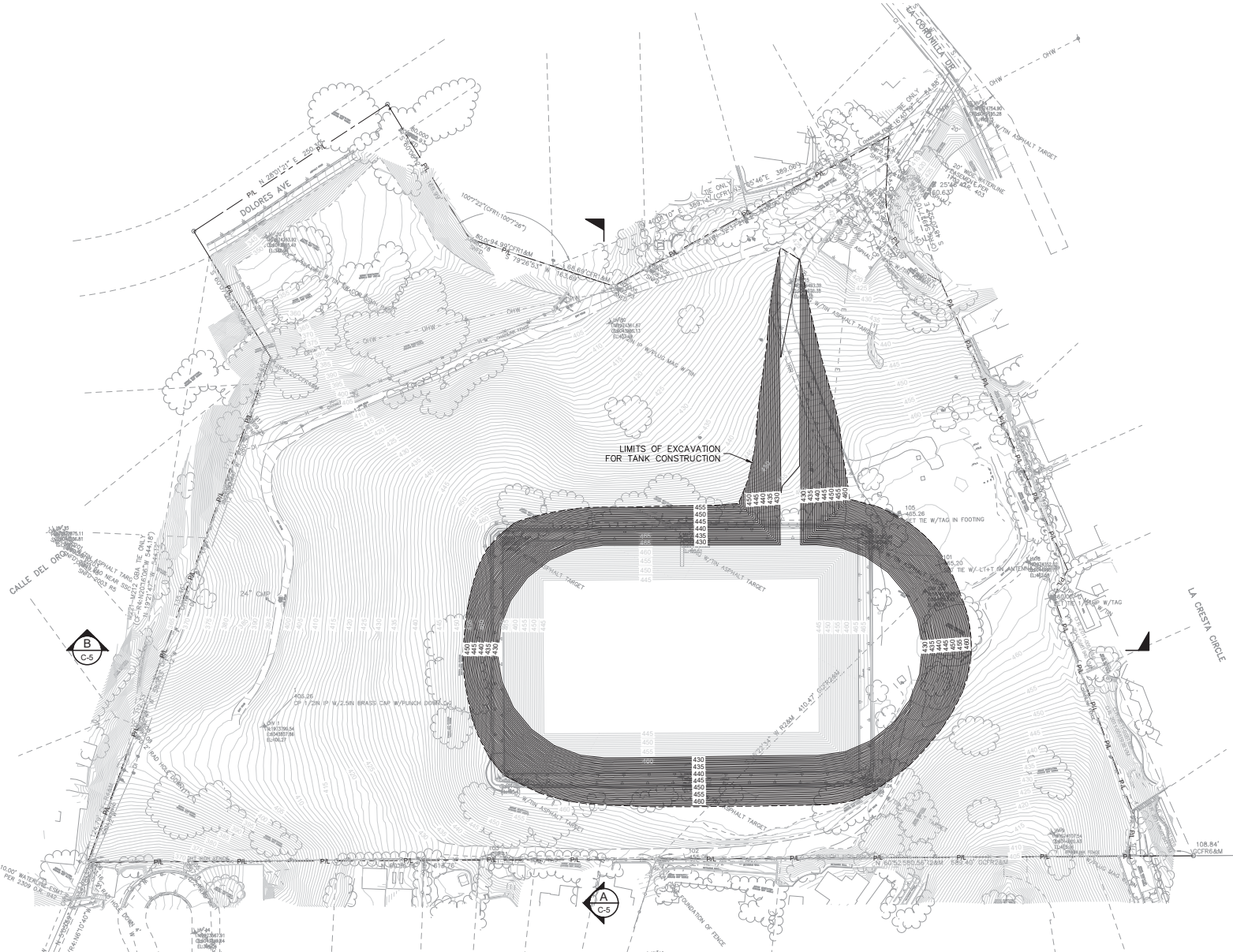
PBW NO.
2024

BID NO.
G-1

SHT. DES.
1 OF 20

DWG. NO.
1 OF 20

FEBRUARY 14, 2025



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VIC TRACE RESERVOIR REPLACEMENT PROJECT

TEMPORARY CONSTRUCTION EXCAVATION AND GRADING PLAN

PBW NO.
2024

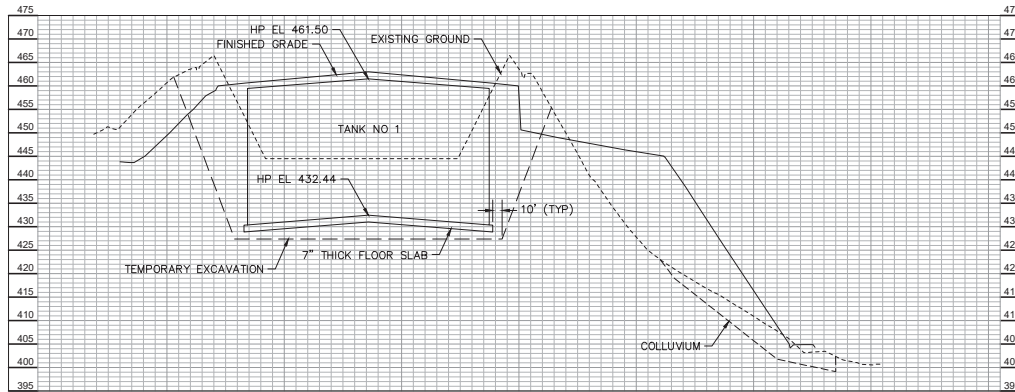
BID NO.
C-4

DWG. NO.
SHT. 5 OF 20

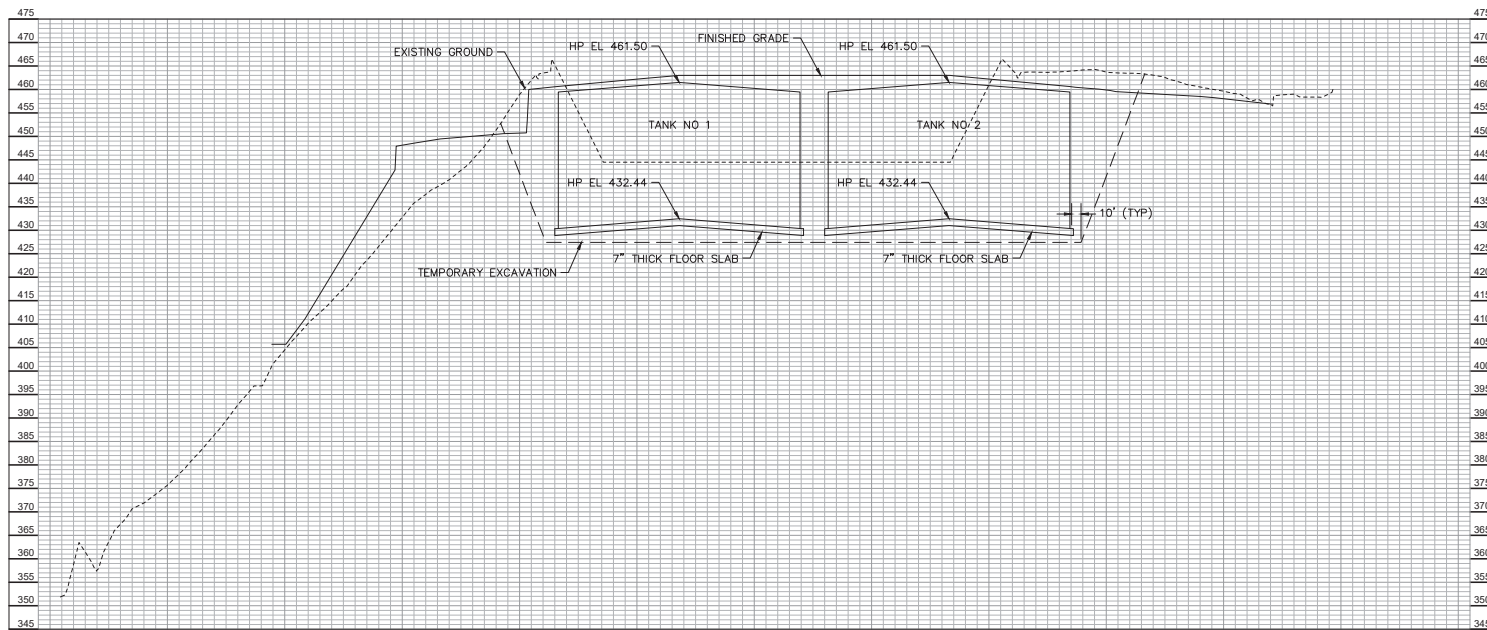
NOVEMBER 15, 2024

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NOVEMBER 15, 2024



A NORTH - SOUTH SECTION
SCALE: 1" = 50'



B EAST - WEST SECTION
SCALE: 1" = 50'

0 0.5 1
SCALE: 1" = 50'



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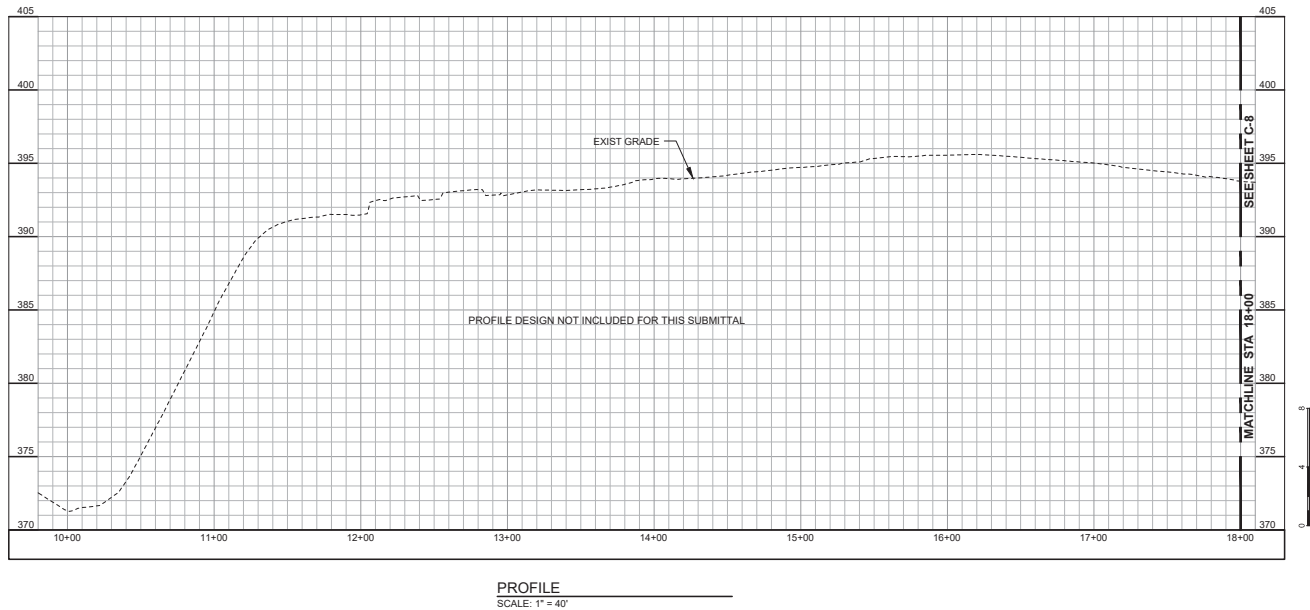
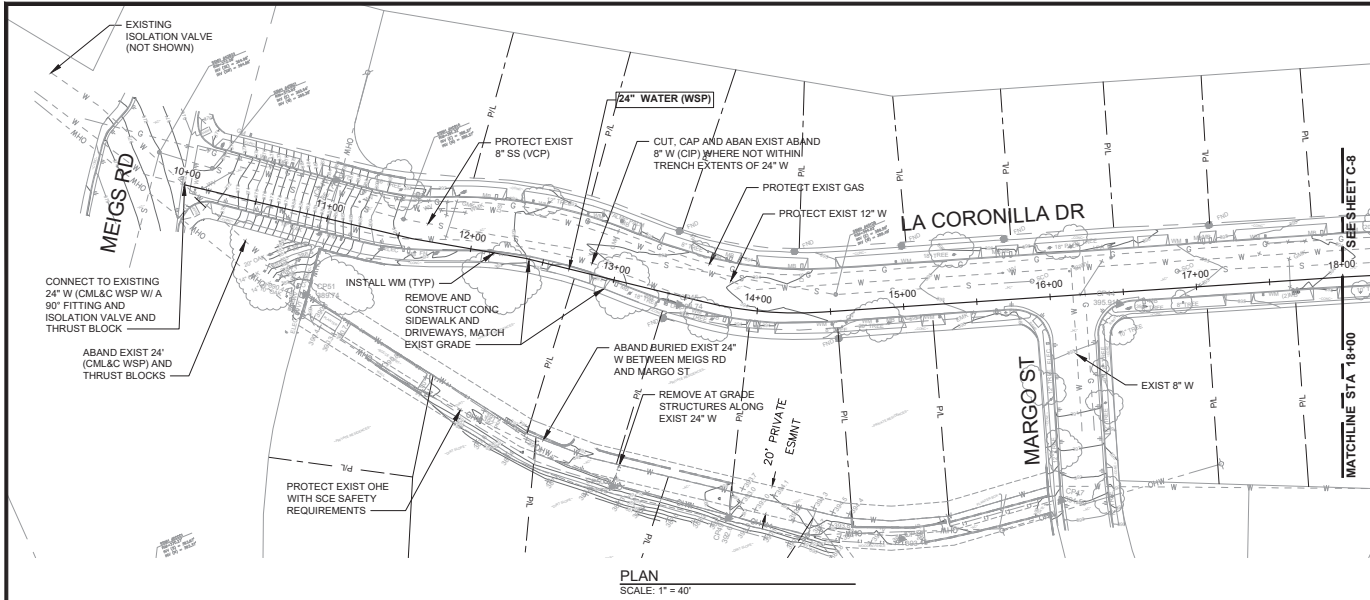
PRELIMINARY
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VIC TRACE RESERVOIR REPLACEMENT PROJECT
RESERVOIR SITE SECTION (NORTH - SOUTH & EAST - WEST)

PBW NO.
2024
BID NO.
C-5
SHT. 6 OF 20

NOVEMBER 15, 2024

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GENERAL NOTES:

1. GAS, WATER AND SEWER LATERALS ARE NOT SHOWN.
2. STREET LIGHTING, SCE AND TELCOM BURIED UTILITIES ARE NOT SHOWN.



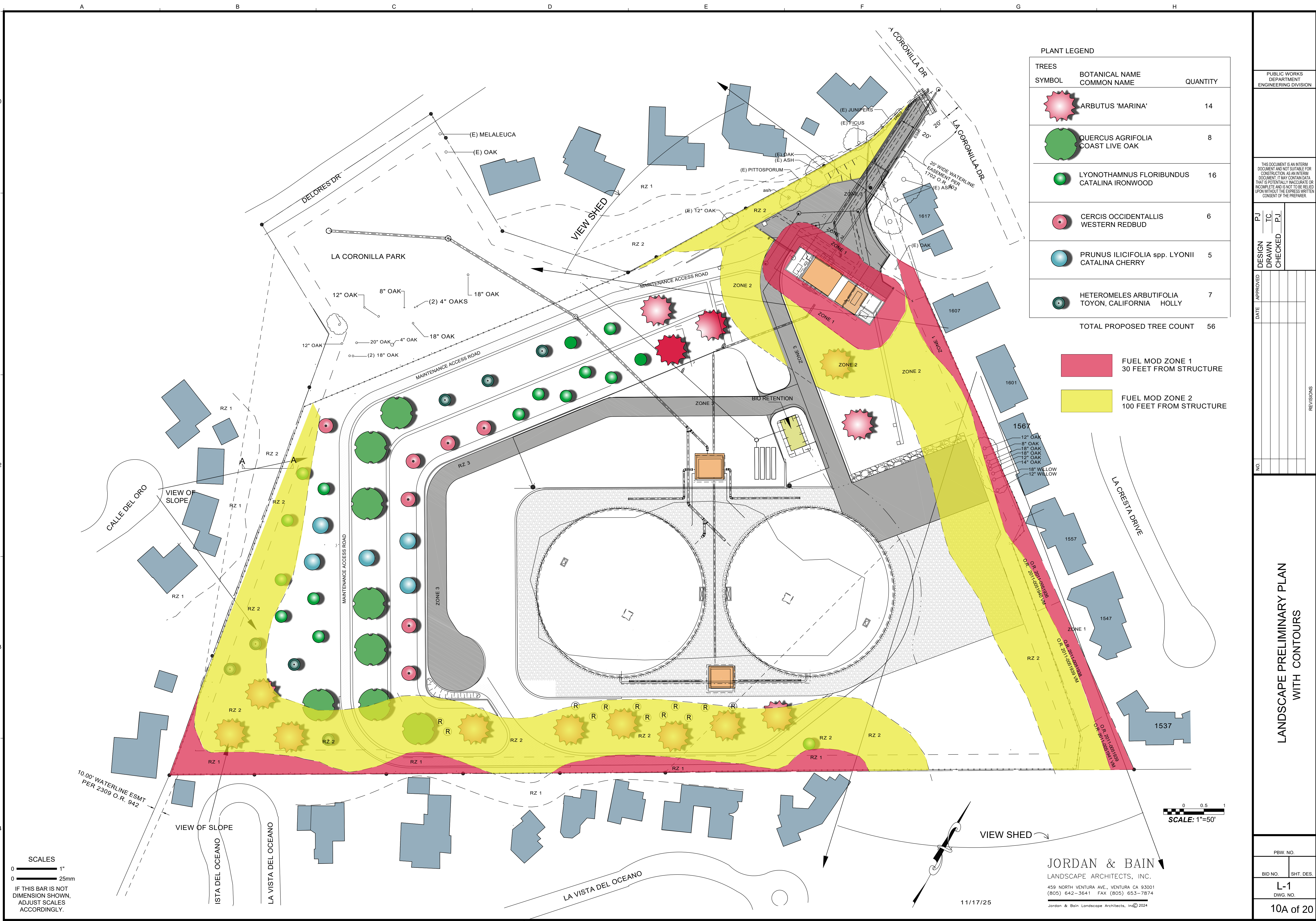
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KJ

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VIC TRACE RESERVOIR REPLACEMENT PROJECT
24" LA CORONILLA TRANSMISSION MAIN RELOCATION
PLAN & PROFILE | STA 10+00 - 18+00

PBW NO.	
BID NO.	2024
SHT. DES.	-
DWG. NO.	C-7
SHT. 8 OF 20	

FEBRUARY 14, 2025



PLANT LEGEND		
TREES		
SYMBOL	BOTANICAL NAME COMMON NAME	QUANTITY
	ARBUTUS 'MARINA'	14
	QUERCUS AGRIFOLIA COAST LIVE OAK	8
	LYONOTHAMNUS FLORIBUNDUS CATALINA IRONWOOD	16
	CERCIS OCCIDENTALLIS WESTERN REDBUD	6
	PRUNUS ILICIFOLIA spp. LYONII CATALINA CHERRY	5
	HETEROMELES ARBUTIFOLIA TOYON, CALIFORNIA HOLLY	7
TOTAL PROPOSED TREE COUNT		56

- FUEL MOD ZONE 1
30 FEET FROM STRUCTURE
- FUEL MOD ZONE 2
100 FEET FROM STRUCTURE

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UPON WITHOUT THE EXPRESS WRITTEN
CONSENT OF THE PREPARER.

PJ TC PJ

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DATE APPROVED

REVISIONS

NO

LANDSCAPE PRELIMINARY PLAN
WITH CONTOURS

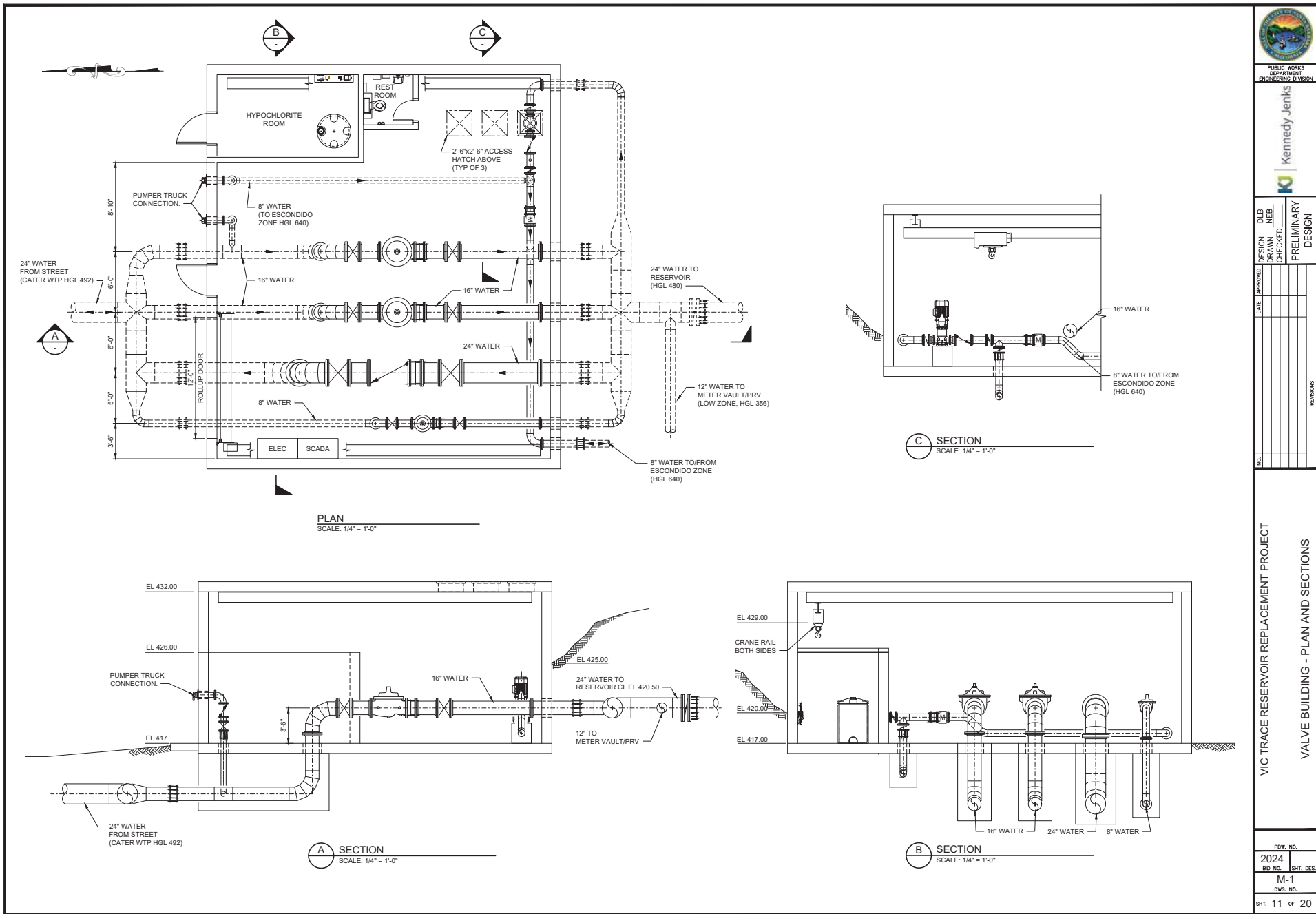
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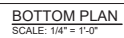
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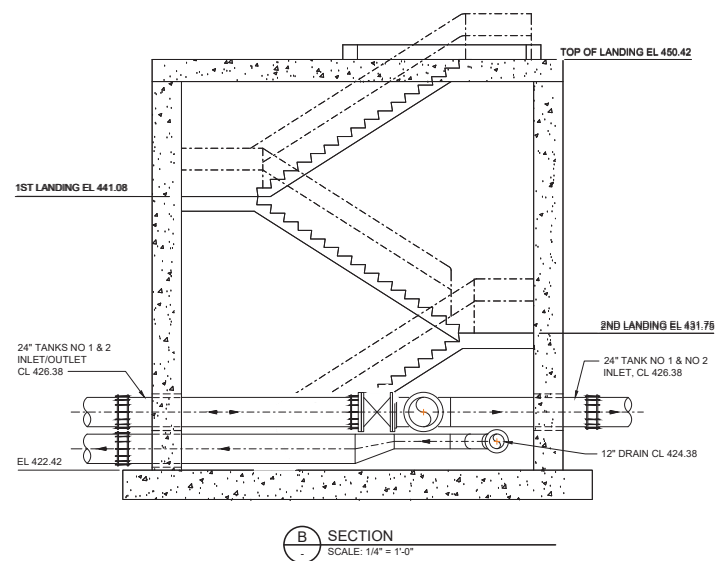
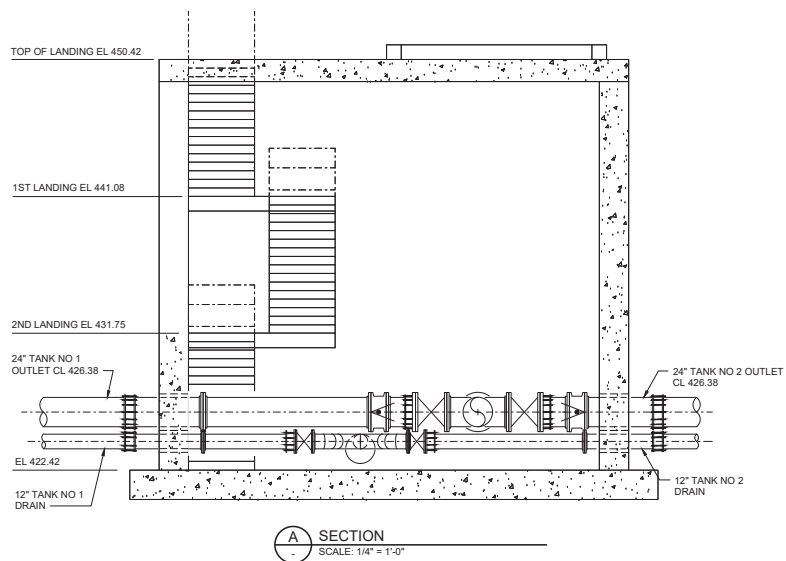
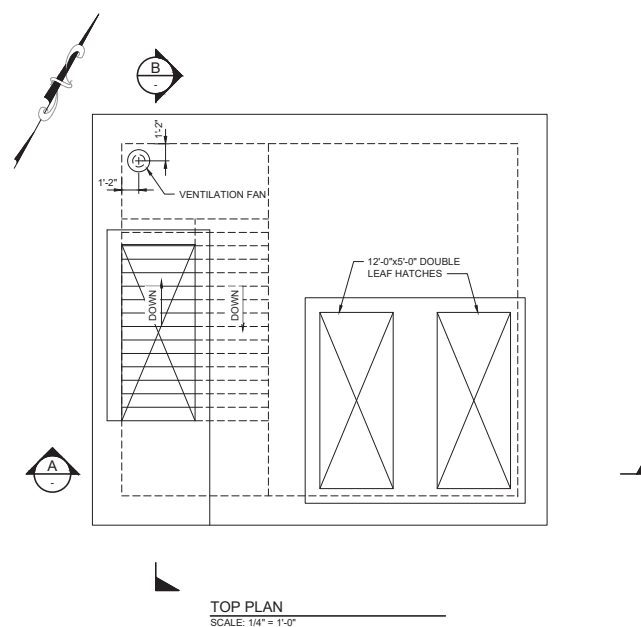
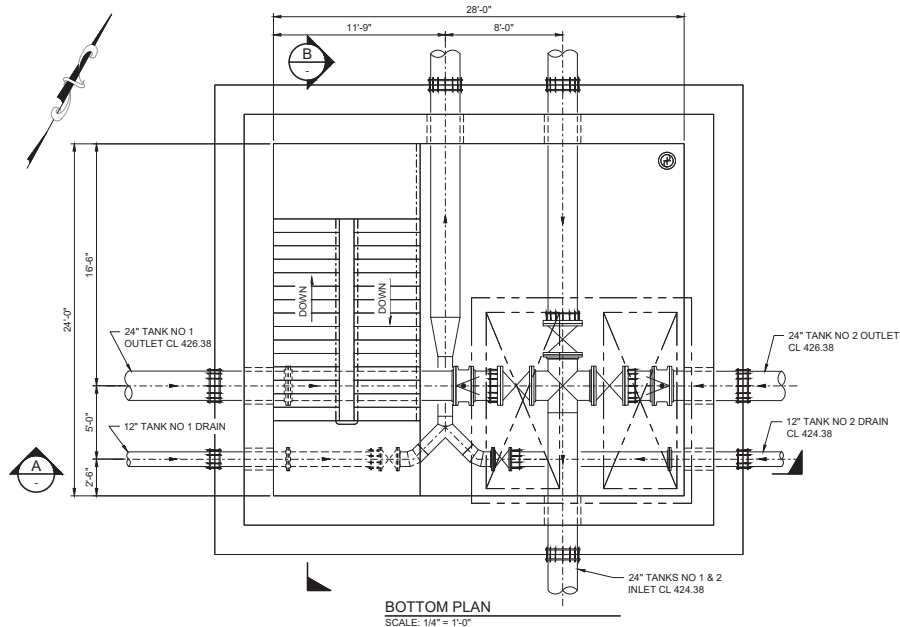
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FEBRUARY 14, 2025



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VIC TRACE RESERVOIR REPLACEMENT PROJECT
OUTLET VALVE VAULT - PLANS AND SECTIONS

PRW. NO.
2024
BD. NO. SH. DES.
M-3
DWS. NO.
SH. 13 OF 20

FEBRUARY 14, 2025

1. SUBDRAIN NOT SHOWN.
2. RESERVOIR EXCAVATION AND SUBGRADE IN ACCORDANCE WITH GEOTECHNICAL EVALUATION REPORT RECOMMENDATIONS.



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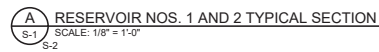
PBW. NO.

2024	-
BID NO.	SHT. DES.

S-3

HT. 17 OF 20

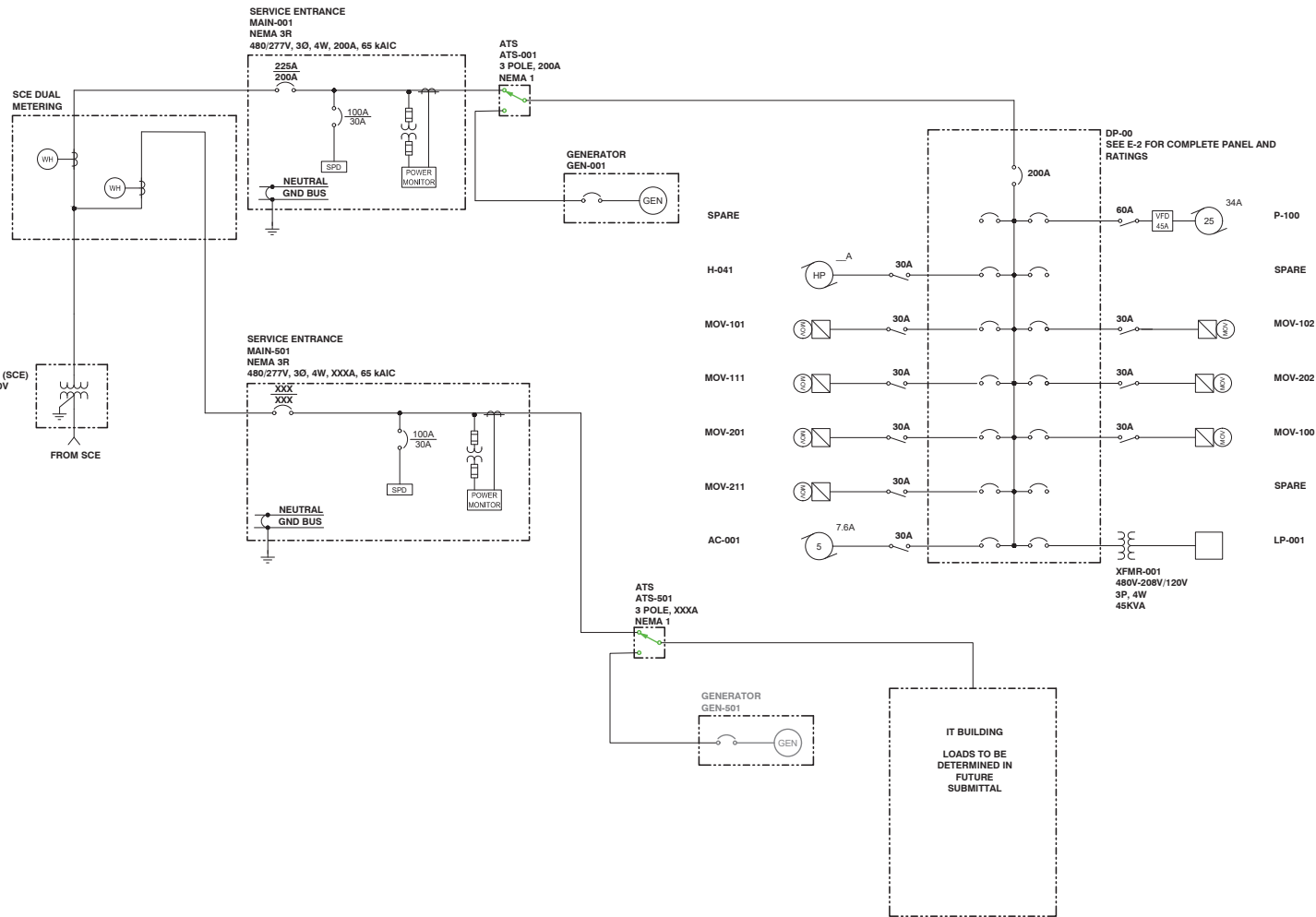
NOVEMBER 15, 2024



RESERVOIR NOS. 1 & 2 - TYPICAL SECTION

PBW. NO.	
2024	-
BID NO.	SHT. DES.
S-3	
D'WG. NO.	
HT. 17 OF 20	

HT. 17 OF 20



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DATE	APPROVED	DESIGN	EEH	EEEL	CHECKED	JURL	REVISIONS
10/15/2024							

VIC TRACE RESERVOIR REPLACEMENT PROJECT

SINGLE LINE DIAGRAM

PBW. NO.	SHT. DES.
2024	-
BID NO.	DWG. NO.
E-1	18 of 20

NOVEMBER 15, 2024



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KJ



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VIC TRACE RESERVOIR REPLACEMENT PROJECT
PANEL SCHEDULE - 1

2024

E-2

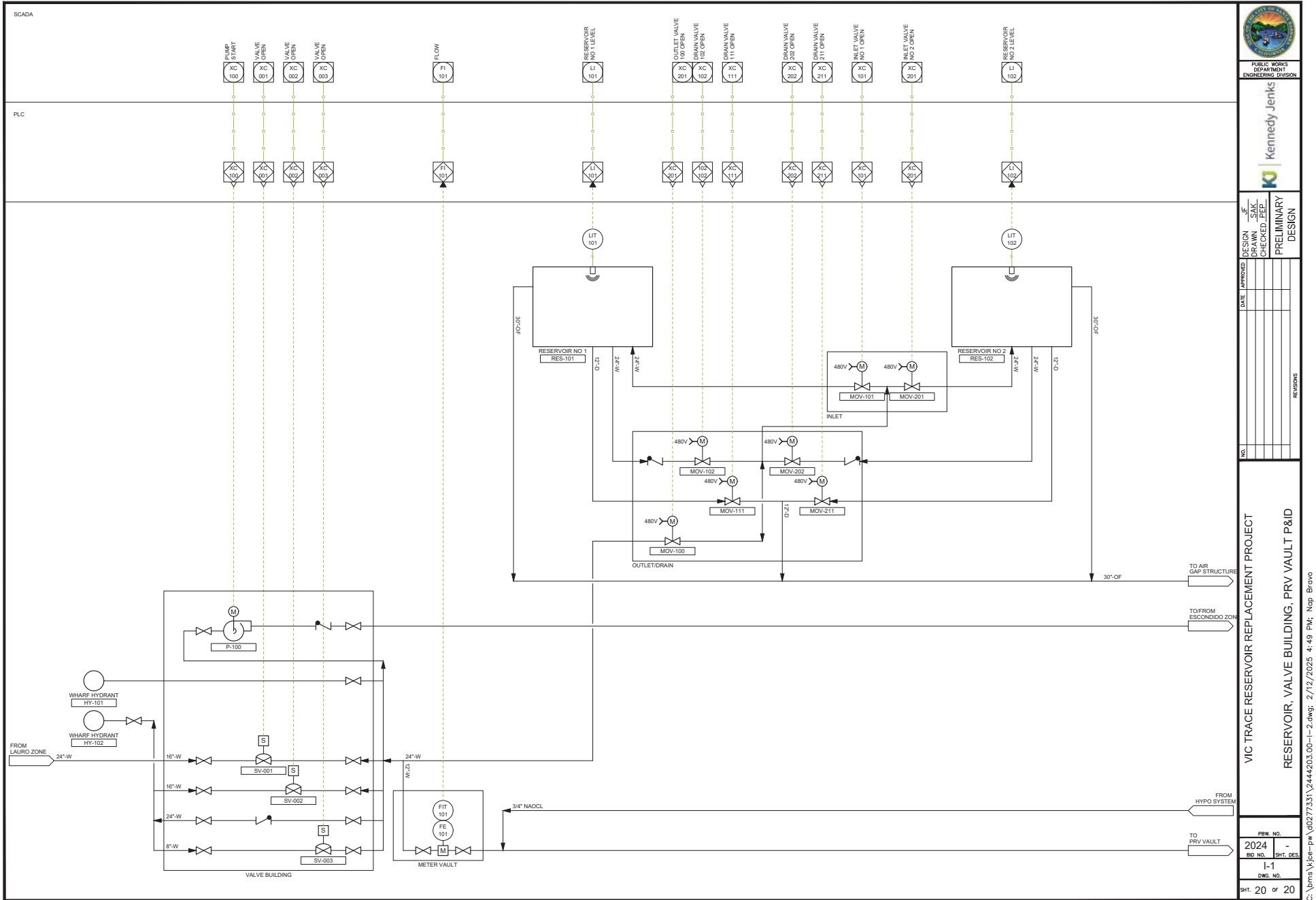
SHT. 19 of 20

NOVEMBER 15, 2024

NOVEMBER 15, 2024

PANELBOARD DP-001						FED FROM: MAIN-001									
480 VOLTS, THREE PHASE, 3 WIRE				BUS:	0225A	AIC:	65KA	TRIP AMPS/ POLES	MAIN:	0200A/3P	MOUNTING: SURFACE			DEMAND FACTOR	TRIP AMPS/ POLES
CKT NO	DESCRIPTION	CONNECTED KVA			DEMAND FACTOR	65KA	TRIP AMPS/ POLES	CKT NO	DESCRIPTION	CONNECTED KVA					
		A	B	C											A
1	SPARE				100%	20/3	2	PUMP 1	9.4		9.4		100%	60/3	
3							4	P-011							
5							6								
7	HOIST	0.50					8	SPARE							
9	H-041				0.50				100%	20/3	10				
11													0.50		12
13	RESERVOIR 1	0.5		100%			20/3	14							
15	INLET VALVE				0.5				16	OUTLET VALVE					
17	MOV-101										0.5		18	MOV-102	
19	RESERVOIR 1	0.50		100%			20/3	20							RESERVOIR 2
21	DRAIN VALVE				0.5				22	OUTLET VALVE					
23	MOV-111										0.5		24	MOV-202	
25	RESERVOIR 2	0.50		100%			20/3	26							MOV-005
27	INLET VALVE				0.00				28						
29	MOV-201										0.00		30		
31	RESERVOIR 2	0.00		100%			20/3	32							SPARE
33	DRAIN VALVE				0.00				34						
35	MOV-211										0.00		36		
37	AIR COMPRESSOR	2.10		100%			20/3	38							LP-001 (VIA XFMR-001)
39	AC-001				2.10				40						
41											2.10		42		
PHASE SUBTOTALS (KVA):		4.6	4.6	4.6			25.4								25.4
TOTAL															
PHASE TOTALS (CONNECTED KVA):		30.0	30.0	30.0	90.0		KVA								
PHASE TOTALS (CONNECTED AMPS):		108.3	108.3	108.3	108.3		A								
PHASE TOTALS (DEMAND KVA):		30.0	30.0	30.0	90.0		KVA								
PHASE TOTALS (DEMAND AMPS):		108.3	108.3	108.3	108.3		A								
MAX PHASE AMPS						108.3		A							
PERCENT LOAD MAX PHASE:						54.1		%							

PANELBOARD LP-001							FED FROM: DP-001 VIA XFMR-001								
208/120 VOLTS, THREE PHASE, 4 WIRE				BUS:		0225A	AIC:	42KA	MAIN:		0150A/3P	MOUNTING: SURFACE			
CKT NO	DESCRIPTION	CONNECTED KVA			DEMAND FACTOR	TRIP AMPS/ POLES	CKT NO	DESCRIPTION	CONNECTED KVA			DEMAND FACTOR	TRIP AMP/ POLES		
		A	B	C					A	B	C				
1	SPARE	0.0			100%	20/1	2	CONTROL PANEL	1.00			100%	20/1		
3	SPARE		0.0		100%	20/1	4	SPARE		0.00		100%	20/2		
5	SPARE			0.0	100%	20/1	6				0.00				
7	SPARE	0.0			100%	20/1	8	SPARE	0.00			100%	20/2		
9	SPARE		0.0		100%	20/1	10			0.00					
11	SPARE			0.0	100%	20/1	12	SPARE			0.00	100%	20/1		
13	VALVE BUILDING LIGHTING	0.5			100%	20/1	14	SPARE	0.00			100%	20/1		
15	VALVE BUILDING EMERGENCY LIGHTING		0.1		100%	20/1	16	SPARE		0.00		100%	20/1		
17	VALVE BUILDING RECEPTACLES			1.0	100%	20/1	18	SPARE			0.00	100%	20/1		
19	SPARE	0.0			100%	20/1	20	INLET VALVE VAULT RECEPTACLES	1.00			100%	20/1		
21	SPARE		0.0		100%	20/1	22	INLET VALVE VAULT LIGHTING		0.50		100%	20/1		
23	SPARE			0.0	100%	20/1	24	INLET VALVE VAULT EMERGENCY LIGHTING			0.10	100%	20/1		
25	SPARE	0.0			100%	20/1	26	OUTLET VALVE VAULT LIGHTING	0.50			100%	20/1		
27	SPARE		0.0		100%	20/1	28	OUTLET VALVE VAULT EMERGENCY LIGHTING		0.10		100%	20/1		
29	SPARE			0.0	100%	20/1	30	OUTLET VALVE VAULT RECEPTACLES			1.00	100%	20/1		
PHASE SUBTOTALS (KVA):		0.5	0.1	1.0					2.5	0.6	1.1				
							TOTAL								
PHASE TOTALS (CONNECTED KVA):		3.0	0.7	2.1		5.8	KVA								
PHASE TOTALS (CONNECTED AMPS):		25.0	5.8	17.5		16.1	A								
PHASE TOTALS (DEMAND KVA):		3.0	0.7	2.1		5.8	KVA								
PHASE TOTALS (DEMAND AMPS):		25.0	5.8	17.5		16.1	A								
MAX PHASE AMPS							25.0		A						
PERCENT LOAD MAX PHASE:							16.7		%						



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ENGINEERING DIVISION

Kennedy Jenks

DESIGN: []
DRAWN: []
CHECKED: []
DATE: []

PRELIMINARY DESIGN

VIC TRACE RESERVOIR REPLACEMENT PROJECT

RESERVOIR, VALVE BUILDING, PRV VAULT P&ID

REVISIONS

NO.	DATE	APPROVED	DESIGN	DRAWN	CHECKED	DATE
1						

FROM LAURO ZONE

24"-W

TO PRV VAULT

34" NAOGCL

2024

BID NO. -

I-1

SHT. 20 of 20

NOVEMBER 15, 2024