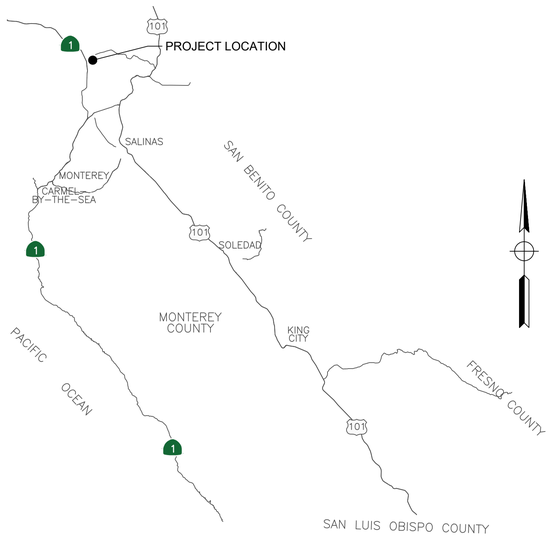
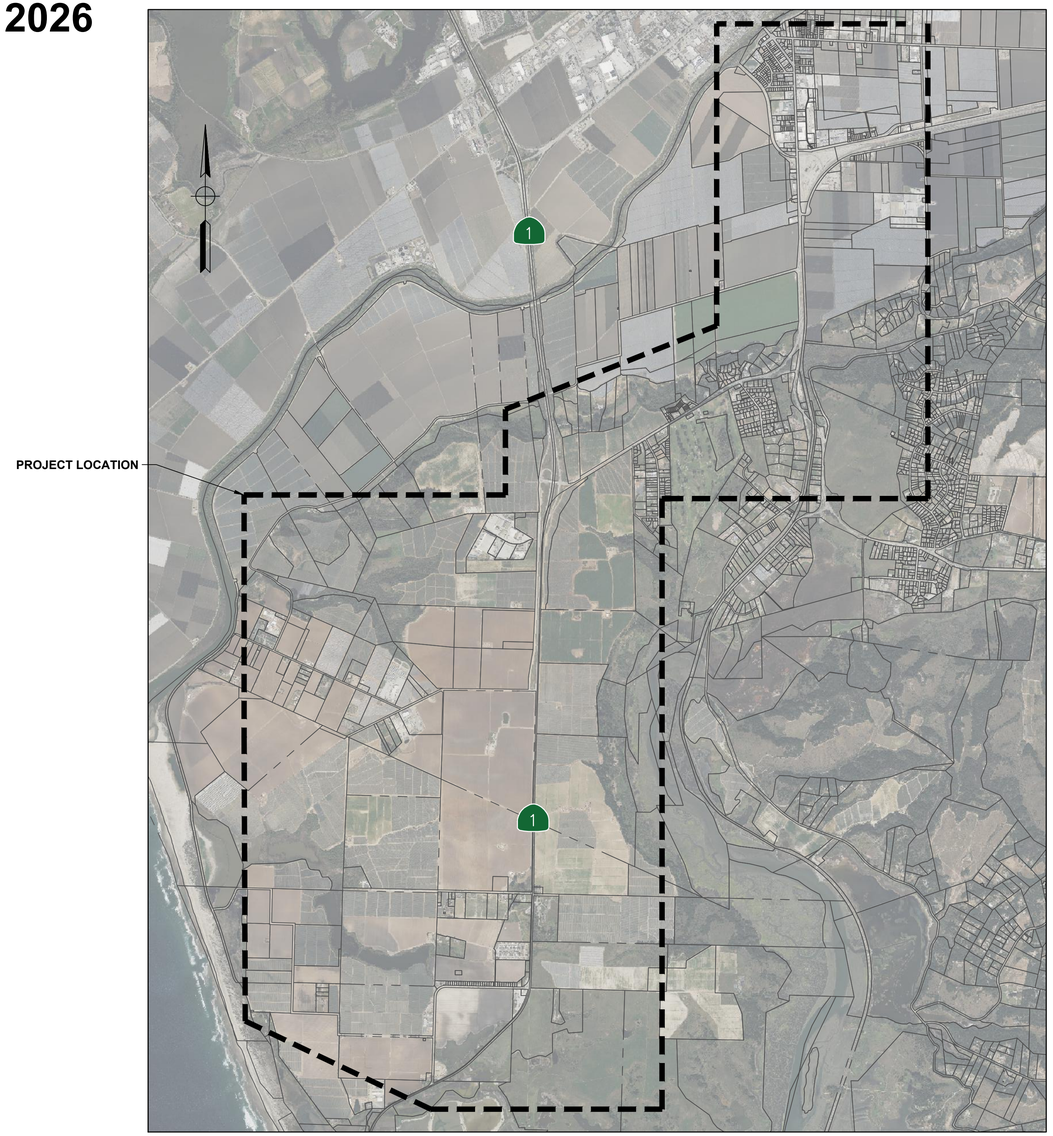
PAJARO / SUNNY MESA COMMUNITY SERVICES DISTRICT

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION

JANUARY 2026



LOCATION MAP



VICINITY MAP

2,000' 0' 2,000'

1" = 2,000'

SUMMARY OF WORK

IN GENERAL, THE WORK CONSISTS OF THE FOLLOWING:

1. CONSTRUCTION OF APPROXIMATELY 46,000 LINEAR FEET OF 6-INCH, 8-INCH, AND 10-INCH DIAMETER POTABLE WATER MAINS INCLUDING ASSOCIATED SERVICE LATERALS AND APPURTENANCES.
2. MUNICIPAL SITE DEVELOPMENT INCLUDING GRADING, DRAINAGE, SURFACING, SITE SECURITY, AND ASSOCIATED IMPROVEMENTS.
3. DESIGN AND CONSTRUCTION OF ONE 125,000-GALLON BOLTED STEEL TANK.
4. CONSTRUCTION OF TWO NEW CHEMICAL AND ELECTRICAL BUILDINGS.
5. CONSTRUCTION OF TWO NEW BOOSTER PUMP STATIONS.
6. CONVERSION OF THE TWO EXISTING SUNNY MESA WELLS FROM ACTIVE TO STANDBY.
7. MODIFICATIONS TO THE EXISTING PAJARO WATER SYSTEM INCLUDING FILL MODIFICATIONS TO THE PAJARO WATER SYSTEM STORAGE TANKS AND REHABILITATION OF ONE OF THE PAJARO WATER SYSTEM'S 600,000-GALLON STORAGE TANKS.
8. MODIFICATIONS AT THE PAJARO WELL NO. 1 SITE, INCLUDING AN IRON/MANGANESE WATER TREATMENT PLANT AND WELLHEAD PIPING.
9. SYSTEM-WIDE SCADA IMPLEMENTATION FOR THE CONSOLIDATED SYSTEM.
10. WATER METER REPLACEMENTS IN THE SUNNY MESA AND PAJARO WATER SYSTEMS.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

TITLE SHEET, VICINITY MAP, AND LOCATION MAP

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
G-001

SHEET NUMBER
1 OF **158**

C:\BoxProjects\CWTRC - Community Water Center\CWTRC.200476.05 PSMS Proj Eng_CAD\Sheet Files\proj
Thu, 12 Mar 26 23:03:28 Riley Alley Dwgs

GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND GOVERNING AUTHORITIES HAVING JURISDICTION. NOTHING IN THE PLANS OR SPECIFICATIONS SHALL BE DEEMED AS PERMISSION TO VIOLATE THESE CODES OR AUTHORITIES. CONTRACTOR SHALL VERIFY CONFORMANCE TO ALL CODES AND ORDINANCES.
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2024 STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC) STANDARD SPECIFICATIONS AS MODIFIED BY THE PROJECT SPECIFICATIONS AND THESE PLANS. FOR ITEMS NOT COVERED IN SSPWC, 2023 STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS.
3. BOUNDARY INFORMATION AND TOPOGRAPHIC FEATURES SHOWN ON THESE PLANS ARE BASED ON A PROJECT SPECIFIC BOUNDARY SURVEY.
4. THE CONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE RESIDENTS AND THE PROPERTIES ADJACENT TO WHERE CONSTRUCTION WILL OCCUR. ANY IMPROVEMENTS DAMAGED OR REMOVED DURING CONSTRUCTION INCLUDING HARDSCAPE, LANDSCAPE, TREES, AND SHRUBS SHALL BE REPLACED IN KIND.
5. CONTRACTOR SHALL COORDINATE WITH THE DISTRICT AND COMPLETE THE WORK AS NEEDED TO MINIMIZE WATER SERVICE INTERRUPTIONS TO BUSINESSES AND RESIDENTS. SEE SPECIFICATION FOR SPECIFIC REQUIREMENTS.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AN ENCROACHMENT PERMIT FROM THE COUNTY OF MONTEREY FOR PERFORMANCE OF THE WORK, INCLUDING PREPARATION OF ALL REQUIRED TRAFFIC CONTROL PLANS.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AN ENCROACHMENT PERMIT FROM CALTRANS FOR PERFORMANCE OF THE WORK, INCLUDING PREPARATION OF ALL THE REQUIRED TRAFFIC CONTROL PLANS.
8. THE CONTRACTOR SHALL COMPLY WITH CALOSHA REGULATIONS AT ALL TIMES AND SHALL FURNISH, ERECT, AND MAINTAIN SUCH FENCES, BARRICADES, DETOURS, FLAGMAN, LIGHTS AND SIGNS AS NECESSARY TO GIVE PROTECTION TO THE PUBLIC AT ALL TIMES.
9. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING POWER FOR ALL EQUIPMENT. NO ELECTRICAL CONNECTIONS ARE AVAILABLE ALONG THE PIPELINE ALIGNMENTS, OR AT THE WELL, TANK, OR PUMP STATION SITES.
10. ALL MATERIALS AND ASPECTS OF THE PROJECT IN CONTACT WITH POTABLE WATER SHALL COMPLY WITH NSF 61 AND NSF-600 AS APPLICABLE.

UNDERGROUND UTILITY NOTES

1. THE SIZE, LOCATION AND DEPTH OF EXISTING UTILITIES HAVE BEEN TAKEN FROM AVAILABLE RECORD DRAWINGS AND THEIR APPROXIMATE LOCATIONS ARE SHOWN ON THE PLANS IN THEIR APPROXIMATE LOCATIONS TO THE EXTENT THE INFORMATION IS KNOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATIONS OF EXISTING UTILITIES.
2. CONTRACTOR SHALL POTHOLE ALL POTENTIALLY CONFLICTING UTILITIES PRIOR TO THE START OF UNDERGROUND UTILITY CONSTRUCTION. IF ANY CONFLICTS WITH PROPOSED UNDERGROUND UTILITIES ARE IDENTIFIED, THE CONTRACTOR SHALL IMMEDIATELY BRING THESE CONFLICTS TO THE ATTENTION OF THE ENGINEER. CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT PRIOR TO EXCAVATION OR POTHOLING.
3. CONTRACTOR SHALL COORDINATE EXACT TIE IN POINTS WITH THE OWNER.
4. ALL EXISTING PIPELINES AND UTILITIES SHALL BE SUPPORTED ACROSS EXCAVATIONS DURING CONSTRUCTION.
5. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY UTILITY THAT WAS OMITTED FROM THE PLANS, IS SHOWN 12 INCHES OR MORE FROM THE ACTUAL LOCATION, CONFLICTS WITH THE CONSTRUCTION, OR NOT PROPERLY MARKED. IF A UTILITY COMPANY DOES NOT PROVIDE LOCATION INFORMATION OR MARKING SERVICES IN THE FIELD, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.
6. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY OWNER IF ANY UTILITY IS DISTURBED OR DAMAGED DURING THE COURSE OF THE WORK. THE CONTRACTOR SHALL BEAR THE COSTS OF REPAIR OR REPLACEMENT OF ANY MARKED UTILITY WHERE DAMAGE WAS CAUSED BY THE CONTRACTOR'S ACTIVITIES.
7. INTERFERING PORTIONS OF ABANDONED UTILITIES SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH THE SPECIFICATIONS. CUT ENDS OF EXISTING ABANDONED UTILITIES SHALL BE PLUGGED WITH MINIMUM 18 INCH CONCRETE PLUGS. THE CONTRACTOR SHALL VERIFY THE UTILITY IS TRULY ABANDONED PRIOR TO CUTTING OR ABANDONMENT.

GENERAL CIVIL NOTES

1. SCOPE: THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS TO PERFORM ALL OPERATIONS REQUIRED OR NECESSARY TO PROVIDE A COMPLETE AND OPERABLE INSTALLATION AS SPECIFIED AND AS SHOWN ON THE DRAWINGS.
2. DIMENSIONS AND DESCRIPTIONS OF EXISTING IMPROVEMENTS ARE APPROXIMATE AND ANY DISCREPANCY SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION.
3. ALL INSTALLED MATERIALS SHALL BE NEW AND SHALL CONFORM TO THE CALL-OUTS ON THE DRAWINGS AND THE PROVISIONS OF THE SPECIFICATIONS.
4. IT SHALL BE THE OBLIGATION OF THE CONTRACTOR TO MAINTAIN THE STABILITY OF ALL STRUCTURES INVOLVED IN THE WORK TO BE PERFORMED UNDER THIS CONTRACT. ALL BUILDINGS AND FACILITIES DAMAGED BY THE CONTRACTOR WHICH ARE TO REMAIN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
5. CONTRACTOR SHALL VERIFY EXISTING PIPE MATERIAL, DEPTH IF BURIED, AND LOCATION AT ALL POINTS OF CONNECTION PRIOR TO FIELD ASSEMBLY, OR REMOVING ACTIVE PIPES FROM SERVICE.
6. AFTER COMPLETION, THE AREAS SURROUNDING THE CONSTRUCTION SITE SHALL BE RESTORED TO THE CONDITION THEY WERE PRIOR TO CONSTRUCTION, OR BETTER.
7. CONTRACTOR SHALL USE DUE CARE WHEN WORKING NEAR OR UNDER OVERHEAD UTILITIES, AND SHALL PROTECT THEM IN PLACE.
8. CONTRACTOR SHALL MAINTAIN THE WORK AREA IN A NEAT, SAFE, CLEAN, AND SANITARY CONDITION AT ALL TIMES AND TO THE SATISFACTION OF THE DISTRICT. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ANY CLEANUP ON ADJACENT STREETS AFFECTED BY CONSTRUCTION.
9. THE CONTRACTOR SHALL COOPERATE WITH OTHER CONTRACTORS AND UTILITY COMPANIES PERFORMING OTHER CONSTRUCTION AND MAINTENANCE WORK IN THE AREA.

ABBREVIATIONS

Ø	DIAMETER
AB	AGGREGATE BASE
AC	ASPHALT CONCRETE, ASBESTOS CEMENT
APN	ASSESSOR'S PARCEL NUMBER
AWWA	AMERICAN WATER WORKS ASSOCIATION
BC	BEGIN CURVE
BGS	BELOW GROUND SURFACE
CALEPA	CALIFORNIA EPA
CALOSHA	CALIFORNIA DIVISION OF OCCUPATIONAL SAFETY AND HEALTH
CALTRANS	CALIFORNIA DEPARTMENT OF TRANSPORTATION
CCSD	CASTROVILLE COMMUNITY SERVICES DISTRICT
CL	CENTER LINE
CLR	CLEARANCE
CMP	CORRUGATED METAL PIPE
CO	COUNTY
CP	CONTROL POINT
CPVC	CHLORINATED POLYVINYL CHLORIDE
CRLF	CALIFORNIA RED-LEGGED FROG
D.I.	DUCTILE IRON
DISTRICT	PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT
DR	DIMENSION RATIO
E	EAST, EASTING
EC	END CURVE
EG	EXISTING GRADE
ELEV	ELEVATION
ESA	ENVIRONMENTALLY SENSITIVE AREA
FCA	FLANGED COUPLING ADAPTER
FF	FINISHED FLOOR
FL	FLOW LINE
FLG	FLANGED JOINT
FS	FINISH SURFACE
FT.	FOOT (FEET)
GE	GROOVED END
GPM	GALLONS PER MINUTE
H	HEIGHT
HMA	HOT MIX ASPHALT
HP	HORSEPOWER
HW	HIGH WATER
IN.	INCH(ES)
L	LENGTH
MAX.	MAXIMUM
M.E.	MATCH EXISTING
MIN.	MINIMUM
MJ	MECHANICAL JOINT
N	NORTH, NORTHING
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
NPT	NATIONAL PIPE TAPERED THREADS
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
PE	PLAIN END
PG&E	PACIFIC GAS AND ELECTRIC COMPANY
PSI	POUNDS PER SQUARE INCH
PSMCSD	PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT
PVC	POLYVINYL CHLORIDE
PVWMA	PAJARO VALLEY WATER MANAGEMENT AGENCY
RC	RELATIVE COMPACTION
R.O.W.	RIGHT-OF-WAY
SCH	SCHEDULE
S.F.	SQUARE FEET
SS	STAINLESS STEEL
STA	STATION
TF	TOP OF FOUNDATION
TG	TOP OF GRATE
THHN	THERMOPLASTIC HIGH HEAT RESISTANT NYLON COATED WIRE
THWN	THERMOPLASTIC HEAT AND WATER RESISTANT
TOW	TOP OF WALL
TS	TOP OF SLAB
TYP	TYPICAL
US	UNITED STATES

LEGEND

- PARCEL BOUNDARY
- EXISTING EASEMENT
- EXISTING CONTOUR
- EXISTING STRUCTURE/ TOPOGRAPHIC FEATURE
- EXISTING CHAIN LINK FENCE
- DEMOLISH
- ABANDON
- HYDROSEEDING
- RIPARIAN HABITAT
- CHAPARRAL HABITAT
- WETLAND HABITAT
- COASTAL ZONE
- FEMA: FLOOD ZONE A
- FEMA: FLOOD ZONE AE
- FEMA: FLOOD ZONE AH
- FEMA: FLOOD ZONE AO
- FEMA: FLOOD ZONE D
- FEMA: FLOOD ZONE VE
- CONSTRUCTION STAGING AREA
- SHEET OUTLINE
- AIR/VACUUM RELEASE VALVE ASSEMBLY
- SAMPLING STATION
- BLOW-OFF ASSEMBLY
- BACKFLOW PREVENTER
- STRUCTURE/ ABOVE-GRADE PIPING
- BELOW-GRADE PIPING
- DRAINAGE FLOW LINE
- CHAIN LINK FENCE
- WATER MAIN
- LINE VALVE
- FIRE HYDRANT
- WATER METER

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED: JAA
DRAWN: KAD
CHECKED: NEP
QA/QC: TNH
CONSTRUCTABILITY:

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

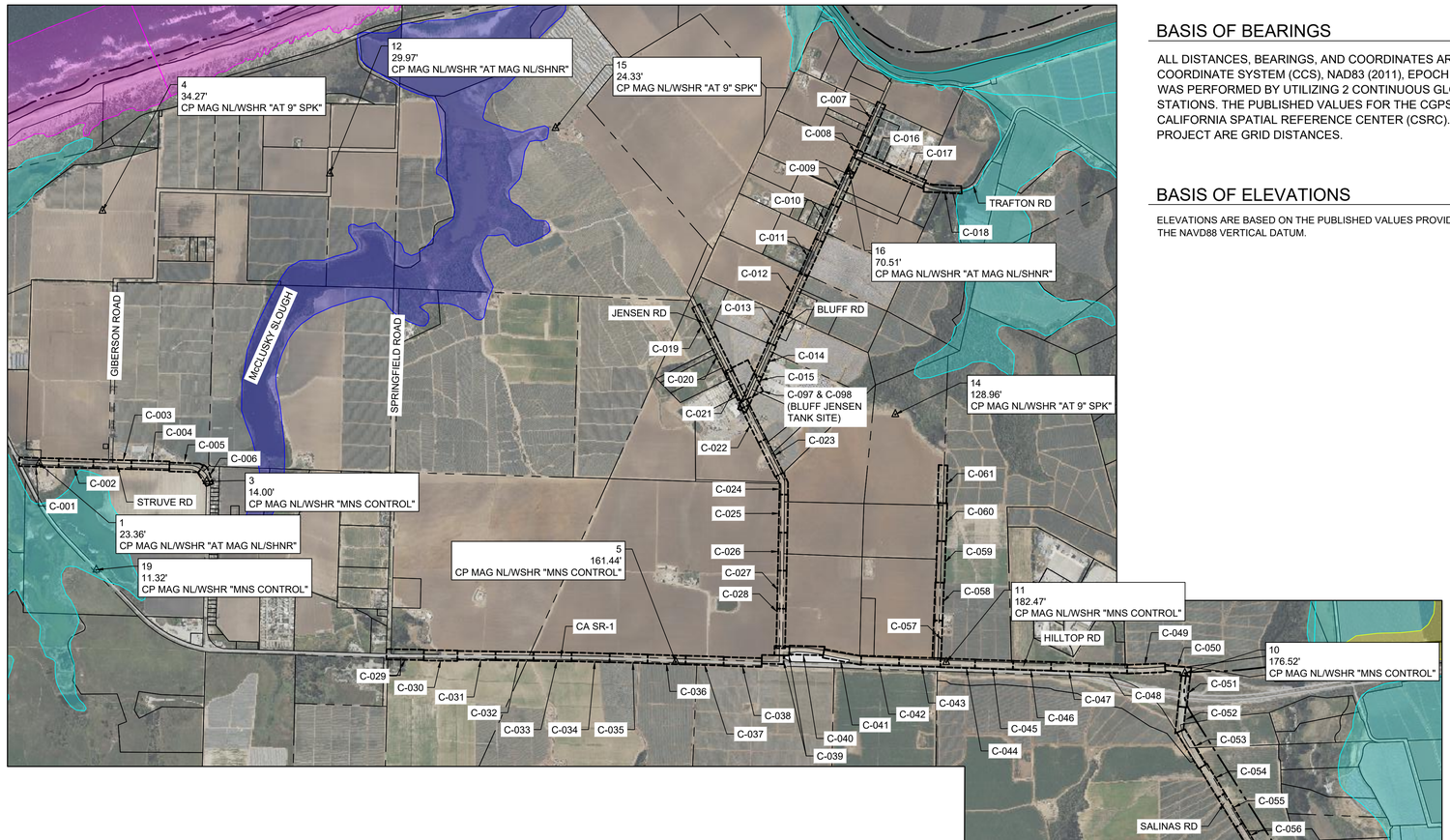
0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

GENERAL AND CIVIL NOTES

PROJECT NUMBER CWTRC.200476.05
DRAWING NUMBER G-002
SHEET NUMBER 2 OF 158

© Bluo Projects\CWTRC - Community Water Center\CWTRC.200476.05 P3\63 Proj Eng_CAD\3 Sheets\General And Civil Notes.dwg
Wed 11 Mar 26 10:11:24 PM by Alby Diego



BASIS OF BEARINGS

ALL DISTANCES, BEARINGS, AND COORDINATES ARE BASED ON ZONE 4 OF THE CALIFORNIA COORDINATE SYSTEM (CCS), NAD83 (2011), EPOCH 2017.50. THE HORIZONTAL ADJUSTMENT WAS PERFORMED BY UTILIZING 2 CONTINUOUS GLOBAL POSITIONING SYSTEM (CGPS) STATIONS. THE PUBLISHED VALUES FOR THE CGPS STATIONS WERE PROVIDED BY THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC). THE MEASURED DISTANCES FOR THE PROJECT ARE GRID DISTANCES.

BASIS OF ELEVATIONS

ELEVATIONS ARE BASED ON THE PUBLISHED VALUES PROVIDED BY THE CSRC UTILIZING 1 CGPS STATION ON THE NAVD88 VERTICAL DATUM.

LEGEND

- CONSTRUCTION STAGING AREA
- SHEET OUTLINE
- COASTAL ZONE
- FEMA: FLOOD ZONE A
- FEMA: FLOOD ZONE AE
- FEMA: FLOOD ZONE AH
- FEMA: FLOOD ZONE AO
- FEMA: FLOOD ZONE D
- FEMA: FLOOD ZONE VE

LOCAL HORIZONTAL AND VERTICAL CONTROL MONUMENTS (US SURVEY FEET)

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	2194913.76	5748111.47	23.36'	CP MAG NL/WSHR "MNS CONTROL"
3	2197354.11	5748352.39	14.00'	CP MAG NL/WSHR "MNS CONTROL"
4	2195819.52	5744462.38	34.27'	CP 9" SPK "MNS CONTROL"
5	2204195.53	5750992.21	161.44'	CP MAG NL/WSHR "MNS CONTROL"
6	2210529.21	5754338.48	134.67'	CP MAG NL/WSHR "MNS CONTROL"
8	2217338.25	5757957.65	23.66'	CP MAG NL/WSHR "MNS CONTROL"
9	2220967.86	5758079.70	28.12'	CP MAG NL/WSHR "MNS CONTROL"
10	2211475.15	5751115.76	176.52'	CP MAG NL/WSHR "MNS CONTROL"
11	2208033.20	5750993.61	182.47'	CP MAG NL/WSHR "MNS CONTROL"
12	2199128.16	5743958.23	29.97'	CP MAG NL/WSHR "MNS CONTROL"
14	2207339.77	5747406.77	128.96'	CP 9" SPK "MNS CONTROL"
15	2202566.33	5743355.60	24.33'	CP 9" SPK "MNS CONTROL"
16	2206656.42	5743889.30	70.51'	CP MAG NL/WSHR "MNS CONTROL"
19	2195795.69	5749712.76	11.32'	CP MAG NL/WSHR "MNS CONTROL"
20	2212814.84	5757332.52	147.46'	CP MAG NL/WSHR "MNS CONTROL"
110	2223807.45	5758940.99	30.88'	CP MAG NL/WSHR "MNS CONTROL"
111	2223758.22	5758921.49	32.10'	CP MAG NL/WSHR "MNS CONTROL"
112	2223691.68	5758938.13	31.87'	CP MAG NL/WSHR "MNS CONTROL"
113	2223636.28	5758893.34	31.39'	CP MAG NL/WSHR "MNS CONTROL"
114	2223678.08	5758855.83	31.53'	CP MAG NL/WSHR "MNS CONTROL"

SHEET LAYOUT PLAN

1000' 0' 1000'

SCALE: 1"=1000'

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

SHEET LAYOUT PLAN AND BASIS OF BEARINGS

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
G-003

SHEET NUMBER
3 OF **158**

C:\Box Projects\CWTRC - Community Water Center\CWTRC.200476.05 PSMS Proj\Eng_CAD\3 Drawn\Sheet Layout Plan And Basis Of Bearings.dwg
Thu, 12 Mar 26 - 03:12:14 PM by - Kiley Drago

SHEET INDEX

SHEET:	TITLE:	DRAWING:
1	G-001	TITLE SHEET, VICINITY MAP, AND LOCATION MAP
2	G-002	GENERAL AND CIVIL NOTES
3	G-003	SHEET LAYOUT PLAN AND BASIS OF BEARINGS
4	G-004	SHEET INDEX
5	G-005	CONSTRUCTION MANAGEMENT PLAN
6	C-001	STRUVE ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 60+00 TO STA 65+50
7	C-002	STRUVE ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 65+50 TO STA 70+50
8	C-003	STRUVE ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 70+50 TO STA 76+00
9	C-004	STRUVE ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 76+00 TO STA 81+50
10	C-005	STRUVE ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 81+50 TO STA 84+50
11	C-006	STRUVE ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 84+50 TO STA 87+00
12	C-007	BLUFF ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 150+00 TO STA 155+00
13	C-008	BLUFF ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 155+00 TO STA 160+50
14	C-009	BLUFF ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 160+50 TO STA 166+00
15	C-010	BLUFF ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 166+00 TO STA 171+50
16	C-011	BLUFF ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 171+50 TO STA 177+00
17	C-012	BLUFF ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 177+00 TO STA 183+00
18	C-013	BLUFF ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 183+00 TO STA 188+00
19	C-014	BLUFF ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 188+00 TO STA 193+00
20	C-015	BLUFF ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 193+00 TO STA 198+00
21	C-016	TRAFTON ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 210+00 TO STA 215+00
22	C-017	TRAFTON ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 215+00 TO STA 220+50
23	C-018	TRAFTON ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 220+50 TO STA 224+00
24	C-019	JENSEN ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 240+00 TO STA 245+00
25	C-020	JENSEN ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 245+00 TO STA 250+50
26	C-021	JENSEN ROAD DUAL PIPELINE PLAN AND PROFILE - STA 250+50 TO STA 256+00
27	C-022	JENSEN ROAD DUAL PIPELINE PLAN AND PROFILE - STA 256+00 TO STA 261+50
28	C-023	JENSEN ROAD DUAL PIPELINE PLAN AND PROFILE - STA 261+50 TO STA 267+00
29	C-024	JENSEN ROAD DUAL PIPELINE PLAN AND PROFILE - STA 267+00 TO STA 270+00
30	C-025	JENSEN ROAD DUAL PIPELINE PLAN AND PROFILE - STA 270+00 TO STA 275+50
31	C-026	JENSEN ROAD DUAL PIPELINE PLAN AND PROFILE - STA 275+50 TO STA 281+00
32	C-027	JENSEN ROAD DUAL PIPELINE PLAN AND PROFILE - STA 281+00 TO STA 286+50
33	C-028	JENSEN ROAD DUAL PIPELINE PLAN AND PROFILE - STA 286+50 TO STA 292+50
34	C-029	JENSEN-SPRINGFIELD INTERTIE PIPELINE PLAN AND PROFILE - STA 400+00 TO STA 405+00
35	C-030	JENSEN-SPRINGFIELD INTERTIE PIPELINE PLAN AND PROFILE - STA 405+00 TO STA 410+50
36	C-031	JENSEN-SPRINGFIELD INTERTIE PIPELINE PLAN AND PROFILE - STA 410+50 TO STA 416+00
37	C-032	JENSEN-SPRINGFIELD INTERTIE PIPELINE PLAN AND PROFILE - STA 416+00 TO STA 421+50
38	C-033	JENSEN-SPRINGFIELD INTERTIE PIPELINE PLAN AND PROFILE - STA 421+50 TO STA 427+00
39	C-034	JENSEN-SPRINGFIELD INTERTIE PIPELINE PLAN AND PROFILE - STA 427+00 TO STA 432+50
40	C-035	JENSEN-SPRINGFIELD INTERTIE PIPELINE PLAN AND PROFILE - STA 432+50 TO STA 438+00
41	C-036	JENSEN-SPRINGFIELD INTERTIE PIPELINE PLAN AND PROFILE - STA 438+00 TO STA 443+50
42	C-037	JENSEN-SPRINGFIELD INTERTIE PIPELINE PLAN AND PROFILE - STA 443+50 TO STA 449+00
43	C-038	JENSEN-SPRINGFIELD INTERTIE PIPELINE PLAN AND PROFILE - STA 449+00 TO STA 454+50
44	C-039	JENSEN-SPRINGFIELD INTERTIE PIPELINE PLAN AND PROFILE - STA 454+50 TO STA 460+00
45	C-040	HILLTOP ROAD DUAL PIPELINE PLAN AND PROFILE - STA 460+00 TO STA 465+00
46	C-041	HILLTOP ROAD DUAL PIPELINE PLAN AND PROFILE - STA 465+00 TO STA 470+50
47	C-042	HILLTOP ROAD DUAL PIPELINE PLAN AND PROFILE - STA 470+50 TO STA 476+00
48	C-043	HILLTOP ROAD DUAL PIPELINE PLAN AND PROFILE - STA 476+00 TO STA 482+00
49	C-044	HILLTOP ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 482+00 TO STA 487+00
50	C-045	HILLTOP ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 487+00 TO STA 492+50
51	C-046	HILLTOP ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 492+50 TO STA 498+00
52	C-047	HILLTOP ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 498+00 TO STA 503+50
53	C-048	HILLTOP ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 503+50 TO STA 509+00
54	C-049	HILLTOP ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 509+00 TO STA 514+50
55	C-050	HILLTOP ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 514+50 TO STA 518+50
56	C-051	SALINAS ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 518+50 TO STA 523+50
57	C-052	SALINAS ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 523+50 TO STA 526+50
58	C-053	SALINAS ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 526+50 TO STA 532+50
59	C-054	SALINAS ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 532+50 TO STA 537+50
60	C-055	SALINAS ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 537+50 TO STA 542+50
61	C-056	SALINAS ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 542+50 TO STA 546+50
62	C-057	HILLTOP ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 310+00 TO STA 316+00
63	C-058	HILLTOP ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 316+00 TO STA 321+50
64	C-059	HILLTOP ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 321+50 TO STA 327+50
65	C-060	HILLTOP ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 327+50 TO STA 333+00
66	C-061	HILLTOP ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 333+00 TO STA 337+50
67	C-062	FRUITLAND ROAD WATER PIPELINE PLAN AND PROFILE - STA 630+00 TO STA 631+91
68	C-063	SALINAS ROAD WATER PIPELINE PLAN AND PROFILE - STA 650+00 TO STA 655+00
69	C-064	WERNER ROAD WATER PIPELINE PLAN AND PROFILE - STA 655+00 TO STA 660+50
70	C-065	WERNER ROAD WATER PIPELINE PLAN AND PROFILE - STA 660+50 TO STA 666+25
71	C-066	SALINAS ROAD WATER PIPELINE PLAN AND PROFILE - STA 560+00 TO STA 565+50
72	C-067	SALINAS ROAD WATER PIPELINE PLAN AND PROFILE - STA 565+50 TO STA 571+00
73	C-068	SALINAS ROAD WATER PIPELINE PLAN AND PROFILE - STA 571+00 TO STA 576+50
74	C-069	SALINAS ROAD WATER PIPELINE PLAN AND PROFILE - STA 576+50 TO STA 581+00
75	C-070	SALINAS ROAD WATER PIPELINE PLAN AND PROFILE - STA 581+00 TO STA 586+50
76	C-071	SALINAS ROAD WATER PIPELINE PLAN AND PROFILE - STA 586+50 TO STA 592+00
77	C-072	ELKHORN ROAD WATER PIPELINE PLAN AND PROFILE - STA 592+00 TO STA 597+50
78	C-073	ELKHORN ROAD WATER PIPELINE PLAN AND PROFILE - STA 597+50 TO STA 603+00
79	C-074	ELKHORN ROAD WATER PIPELINE PLAN AND PROFILE - STA 603+00 TO STA 609+00
80	C-075	ELKHORN ROAD WATER PIPELINE PLAN AND PROFILE - STA 609+00 TO STA 612+80
81	C-076	CALTRANS CROSSING DETAILS
82	C-077	CONNECTION DETAILS
83	C-078	WATER SERVICE LATERALS - 1
84	C-079	WATER SERVICE LATERALS - 2
85	C-080	WATER SERVICE LATERALS - 3
86	C-081	WATER SERVICE LATERALS - 4
87	C-082	WATER SERVICE LATERALS - 5
88	C-083	WATER SERVICE LATERALS - 6
89	C-084	WATER SERVICE LATERALS - 7
90	C-085	WATER SERVICE LATERALS - 8
91	C-086	WATER SERVICE LATERALS - 9
92	C-087	PAJARO WELL NO. 1 SITE DEMOLITION PIPING PLAN
93	C-088	PAJARO WELL NO. 1 SITE PIPING PLAN
94	C-089	PAJARO WELL NO. 1 SITE PIPING DETAILS
95	C-090	PAJARO WELL NO. 1 SITE CHEMICAL ELECTRICAL BUILDING PLAN & SECTION
96	C-091	PAJARO WELL NO. 1 SITE CIVIL DETAILS
97	C-092	PAJARO TANK PLAN
98	C-093	PAJARO TANK PIPING MODIFICATIONS DETAILS
99	C-094	BOOSTER PUMP STATION SITE IMPROVEMENT PLAN
100	C-095	BOOSTER PUMP STATION SITE PIPING PLAN
101	C-096	BOOSTER PUMP STATION SITE CIVIL DETAILS
102	C-097	BLUFF-JENSEN SITE IMPROVEMENT PLAN
103	C-098	BLUFF-JENSEN SITE PIPING PLAN
104	C-099	BLUFF-JENSEN SITE TANK PLAN AND SECTION
105	C-100	BLUFF-JENSEN SITE TANK DETAILS 1
106	C-101	BLUFF-JENSEN SITE TANK DETAILS 2
107	C-102	BLUFF-JENSEN SITE TANK DETAILS 3
108	C-103	BLUFF-JENSEN SITE CHEMICAL ELECTRICAL BUILDING PLAN AND SECTION
109	C-104	BLUFF-JENSEN SITE CIVIL DETAILS 1
110	C-105	BLUFF-JENSEN SITE CIVIL DETAILS 2
111	C-106	SUNNY MESA WELL SITE METER RELOCATION
112	C-107	TRENCH DETAILS
113	C-108	VALVE VAULT DETAILS
114	M-201	PAJARO WELL NO. 1 TREATMENT MECHANICAL PLAN
115	M-202	PAJARO WELL NO. 1 TREATMENT MECHANICAL SECTIONS
116	M-301	PAJARO TANK REHABILITATION PLAN
117	M-302	PAJARO TANK SITE DETAILS
118	M-303	PAJARO TANK REHABILITATION DETAILS
119	M-401	BOOSTER PUMP STATION MECHANICAL PLAN AND SECTION
120	M-501	BLUFF-JENSEN PUMP STATION PLAN AND SECTIONS
121	I-001	SYMBOLS AND LEGEND - PROCESS & INSTRUMENTATION DIAGRAM
122	I-002	LOOP DIAGRAMS - PROCESS & INSTRUMENTATION DIAGRAM
123	I-003	NETWORK COMMUNICATION DIAGRAM
124	I-201	PAJARO WELL NO. 1 - PROCESS & INSTRUMENTATION DIAGRAM
125	I-301	PAJARO TANK WATER PRODUCTION - PROCESS & INSTRUMENTATION DIAGRAM
126	I-302	PAJARO TANK BOOSTER PUMP - PROCESS & INSTRUMENTATION DIAGRAM
127	I-401	TRANSMISSION BOOSTER PUMP STATION - PROCESS & INSTRUMENTATION DIAGRAM
128	I-501	BLUFF-JENSEN PUMP STATION AND STORAGE - PROCESS & INSTRUMENTATION DIAGRAM
129	I-601	SUNNY MESA TANK SITE - PROCESS & INSTRUMENTATION DIAGRAM
130	I-901	SPRINGFIELD WATER PRODUCTION - PROCESS & INSTRUMENTATION DIAGRAM
131	I-902	SPRINGFIELD BOOSTER PUMPS - PROCESS & INSTRUMENTATION DIAGRAM
132	BR-01	BRIDGE CROSSING - STRUCTURAL NOTES
133	BR-02	BRIDGE CROSSING - GENERAL PLAN
134	BR-03	BRIDGE CROSSING - VAULT DETAILS
135	BR-04	BRIDGE CROSSING - INTERIOR PIPE SUPPORT DETAILS
136	S-001	STRUCTURAL NOTES
137	S-002	STRUCTURAL NOTES
138	S-201	PAJARO WELL NO. 1 TREATMENT PLANT STRUCTURAL SITE PLAN
139	S-202	PAJARO WELL NO. 1 TREATMENT PLANT TANK FOUNDATION PLAN & DETAILS
140	S-203	PAJARO WELL NO. 1 TREATMENT PLANT FOUNDATION PLAN & ROOF FRAMING PLAN
141	S-204	PAJARO WELL NO. 1 TREATMENT PLANT ELEVATIONS
142	S-401	TRANSMISSION BOOSTER PUMP STATION FOUNDATION PLAN
143	S-501	BLUFF/JENSEN PUMP STATION STRUCTURAL SITE PLAN
144	S-502	BLUFF/JENSEN PUMP STATION TANK FOUNDATION PLAN
145	S-503	BLUFF/JENSEN PUMP STATION FOUNDATION PLAN & ROOF FRAMING PLAN
146	S-504	BLUFF/JENSEN PUMP STATION ELEVATIONS
147	S-801	TYPICAL DETAILS
148	S-802	TYPICAL TANK & BOOSTER PUMP FOUNDATION DETAILS
149	S-803	TYPICAL DETAILS
150	E-001	SYMBOL LISTS, LUMINAIRE SCHEDULE, DETAILS
151	E-002	SINGLE LINE DIAGRAMS
152	E-003	PAJARO WELL NO. 1 SITE ELECTRICAL PLAN
153	E-004	PAJARO TANK AND WELL NO. 2 SITE ELECTRICAL PLAN
154	E-005	TRANSMISSION BOOSTER PUMP STATION SITE ELECTRICAL PLAN
155	E-006	BLUFF JENSEN BOOSTER PUMP STATION SITE ELECTRICAL PLAN
156	MH-01	LEGEND, SCHEDULES, NOTES
157	MH-02	PAJARO WELL NO. 1 AND BLUFF JENSEN BOOSTER PUMP STATION SITE MECHANICAL PLANS
158	MH-03	CONTROL SCHEMATIC, TANK ARRANGEMENT

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED: JAA
DRAWN: KAD
CHECKED: NEP
QA/QC: TNH
CONSTRUCTABILITY:

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

SHEET INDEX

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
G-004

SHEET NUMBER
4 OF 158

Mon 26 Jan 26 12:21:33 AM By: Hope Mallery C:\Bim Projects\Users - Community Water Districts\200476.05 Pismo Phase 2 Eng_CAD2 Sheets\Sheet Notes.dwg

CONSTRUCTION MANAGEMENT PLAN

CONSTRUCTION ACTIVITY:

CONSTRUCTION DURATION	~2 YEARS
CONSTRUCTION HOURS	REGULAR CONSTRUCTION HOURS: MONDAY - FRIDAY, 8 AM - 5 PM NIGHTWORK HOURS FOR WORK IN CALTRANS ROW: MONDAY - THURSDAY, 8PM - 6AM FRIDAY, 12AM-6AM
CONSTRUCTION WORKERS	THREE (3) FOUR (4) PERSON CREWS (12 WORKERS TOTAL)
CONSTRUCTION VEHICLES	10 TRUCKS
ESTIMATED NUMBER OF TRUCK TRIPS THAT WILL BE GENERATED	24 DAILY TRIPS
STAGING AREA FOR TRUCKS	7000 S.F.
PARKING AREA FOR TRUCKS AND WORKERS	5880 S.F.
CONSTRUCTION GRADING	CUT = 200 CY FILL = 209 CY

CONSTRUCTION SITE PLAN:

1. PROPOSED WELL #1 CHEMICAL/ELECTRICAL BUILDING
2. PROPOSED 25,000-GALLON BACKWASH TANK
3. PROPOSED IRON AND MANGANESE TREATMENT SYSTEM
4. PROPOSED TRANSMISSION BOOSTER PUMP STATION
5. PROPOSED BLUFF/JENSEN ZONE125,000-GALLON STORAGE TANK
6. PROPOSED BLUFF/JENSEN ZONE PUMP STATION
7. PROPOSED BLUFF/JENSEN CHEMICAL/ELECTRICAL STORAGE BUILDING
8. PROPOSED BLUFF/JENSEN GENERATOR
9. PROPOSED BLUFF/JENSEN TRANSFORMER
10. PROPOSED BLUFF/JENSEN HYDROPNEUMATIC TANK
11. PROPOSED BYPASS VALVE
12. PROPOSED 4"Ø WATERLINE
13. PROPOSED 6"Ø WATERLINE
14. PROPOSED 8"Ø WATERLINE
15. PROPOSED 10"Ø WATERLINE
16. TEMPORARY VEHICULAR PARKING AND/OR MATERIALS STAGING
17. TEMPORARY PORTA POTTY
18. TEMPORARY CONSTRUCTION MATERIALS STAGING & STOCKPILE AREA
19. TEMPORARY STABILIZED CONSTRUCTION ENTRANCE

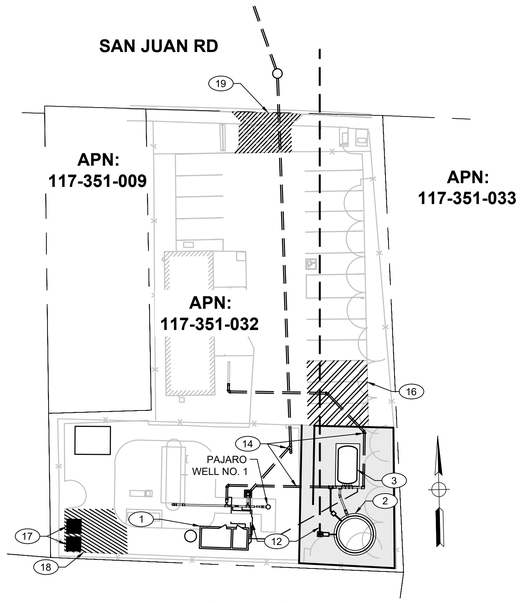
CONSTRUCTION COORDINATION:

CONTRACTOR SHALL PROVIDE A CONSTRUCTION COORDINATOR THAT CAN BE CONTACTED DURING CONSTRUCTION SHOULD QUESTIONS ARISE DURING CONSTRUCTION (IN CASE OF BOTH REGULAR INQUIRIES AND EMERGENCIES). THEIR CONTACT INFORMATION (INCLUDING THEIR ADDRESS AND 24-HOUR PHONE NUMBER) SHALL BE CONSPICUOUSLY POSTED AT THE JOB SITE IN A MANNER THAT THE CONTACT INFORMATION IS READILY VISIBLE FROM PUBLIC VIEWING AREAS. THE POSTING SHALL INDICATE THAT THE CONSTRUCTION COORDINATOR SHOULD BE CONTACTED TO ANSWER ANY QUESTIONS THAT ARISE DURING CONSTRUCTION (IN CASE OF BOTH REGULAR INQUIRIES AND EMERGENCIES). THE CONSTRUCTION COORDINATOR SHALL RECORD THE NAME, PHONE NUMBER, AND NATURE OF COMPLAINTS AND TAKE REMEDIAL ACTIONS IF NECESSARY, WITHIN 24 HOURS OF RECEIPT OF THE COMPLAINT OR INQUIRY.

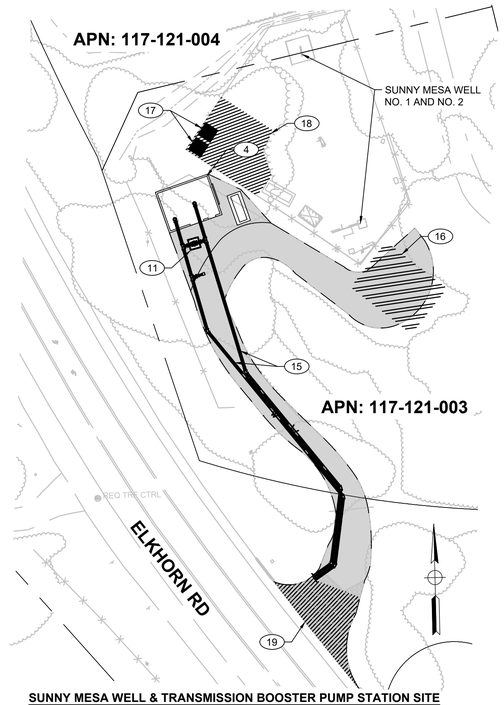
PROJECT DATA:

PROJECT ADDRESS	136 SAN JUAN RD
PRIMARY CONTRACTOR	TBD
OWNER	PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT
SCOPE OF WORK	CONSTRUCTION OF IRON AND MANGANESE TREATMENT PLANT, TRANSMISSION BOOSTER PUMP STATION, BLUFF/JENSEN ZONE STORAGE TANK AND PUMP STATION, REHABILITATION OF EXISTING 600,000-GALLON WATER TANK, INSTALLATION OF 210 FT. OF 4-IN PVC, 240 FT. OF 6-IN PVC, 340 FT. 8-IN PVC, AND 360 FT. OF 10-IN PVC.
A.P.N.	117-263-002-000, 117-263-005-000, AND 117-263-006-000 (PAJARO TANK SITE) 117-351-032-000 (WELL NO. 1 SITE) 117-121-003-000 (SUNNY MESA WELL & TRANSMISSION BOOSTER PUMP STATION SITE) 117-033-005-000 (BLUFF JENSEN TANK SITE)

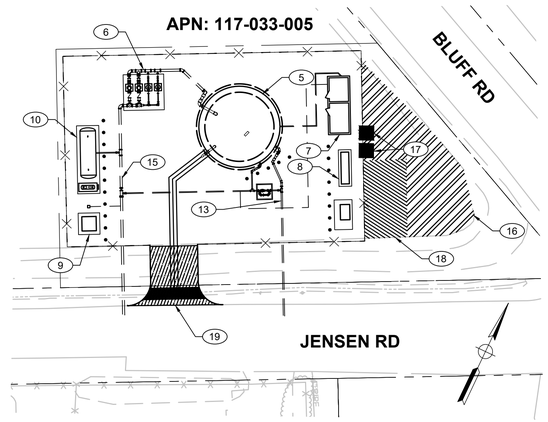
811 Know what's below. Call before you dig.



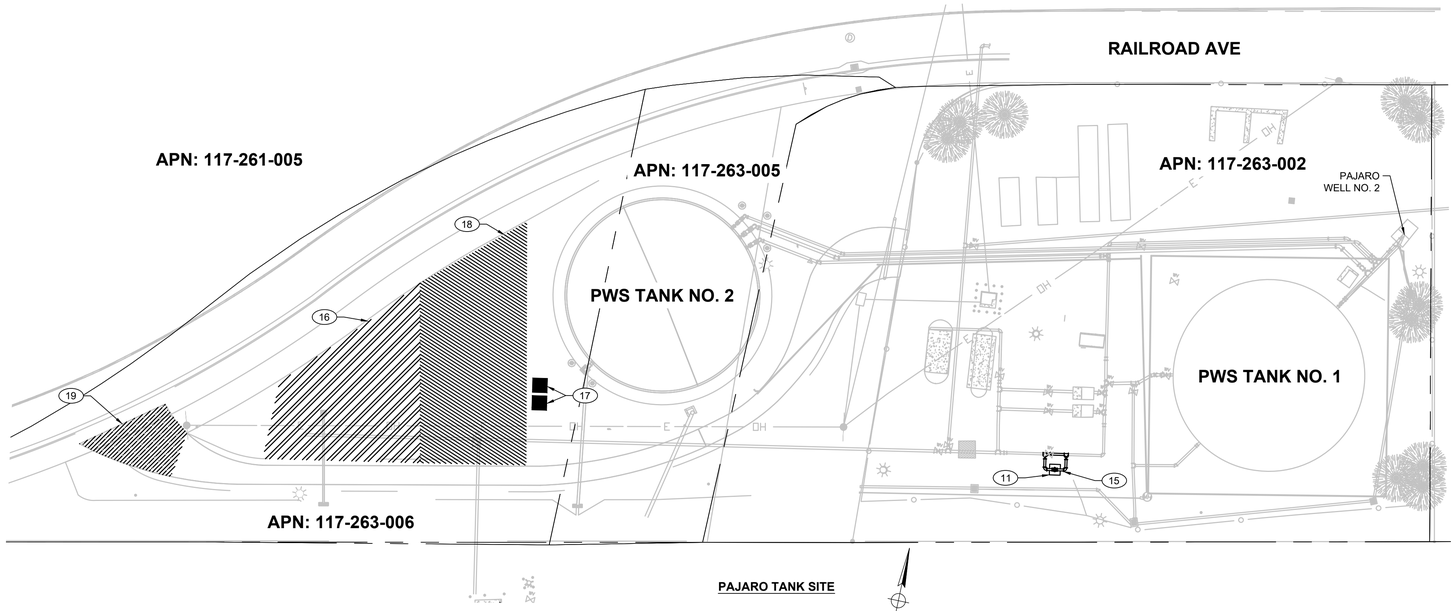
PAJARO WELL #1 SITE



SUNNY MESA WELL & TRANSMISSION BOOSTER PUMP STATION SITE



BLUFF JENSEN TANK SITE



PAJARO TANK SITE

CONSTRUCTION SITE PLAN

30' 15' 0' 15' 30'

SCALE: 1" = 30'

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

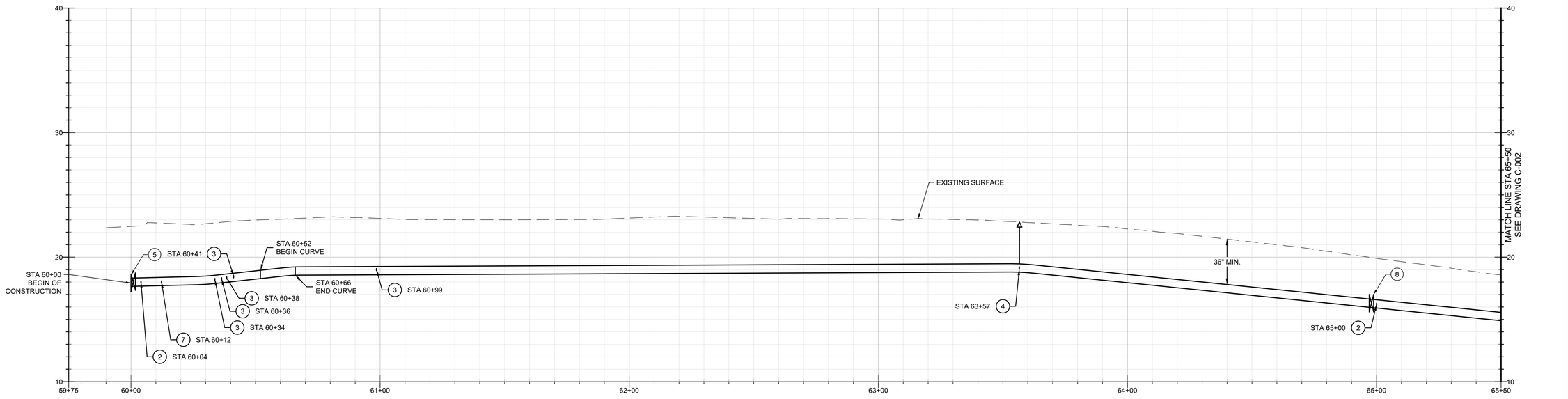
PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

CONSTRUCTION MANAGEMENT PLAN

PROJECT NUMBER: CWTRC.200476.05
DRAWING NUMBER: G-005
SHEET NUMBER: 5 OF 158

© Blue Projects Inc. - Community Water Center\Jobs\2004\26 Pano Proj\Eng_CAD\2 Sheets\Construction Management Plan.dwg

Mon, 26 Jan 26 - 03:34:41 PM by: Hope Mahony



PROFILE

20' 0' 20'

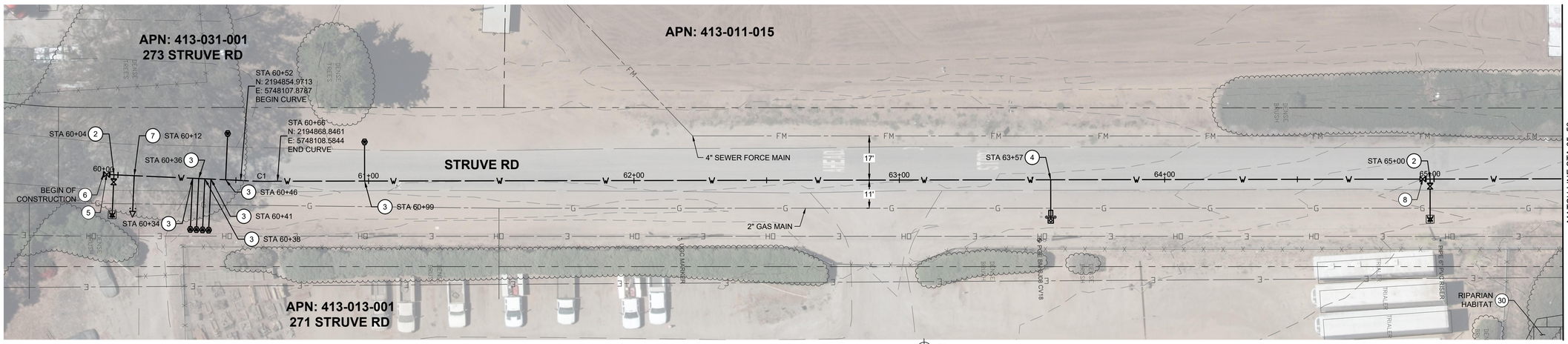
HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

1. INSTALL 8" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE C, DRAWING C-107.
2. INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.
3. INSTALL 1" WATER SERVICE, 3/4" METER, AND METER BOX PER STANDARD PLAN NO. 3-02.03 AND DETAIL 1, CASE F, DRAWING C-107. REFER TO DRAWINGS C-078 THROUGH C-097 FOR PRIVATE LATERAL PLAN.
4. INSTALL AIR/VACUUM RELEASE VALVE ASSEMBLY PER STANDARD PLAN NO. 3-11. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.
5. INSTALL 8" LINE GATE VALVE (FLG) PER STANDARD PLAN NO. 3-07.01.
6. INSTALL 8" BLIND FLANGE WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.
7. INSTALL SAMPLING STATION PER STANDARD PLAN NO. 3-21. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.
8. INSTALL 8" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.
30. ESA-RIPARIAN HABITAT, COMPLY WITH ENVIRONMENTAL PROTECTION REQUIREMENTS.

CURVE TABLE

Curve #	RADIUS	LENGTH	DELTA	START POINT (N,E)	END POINT (N,E)
C1	13.90'	143.04'	005.57	(2194854.97, 5748107.88)	(2194868.85, 5748108.58)



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

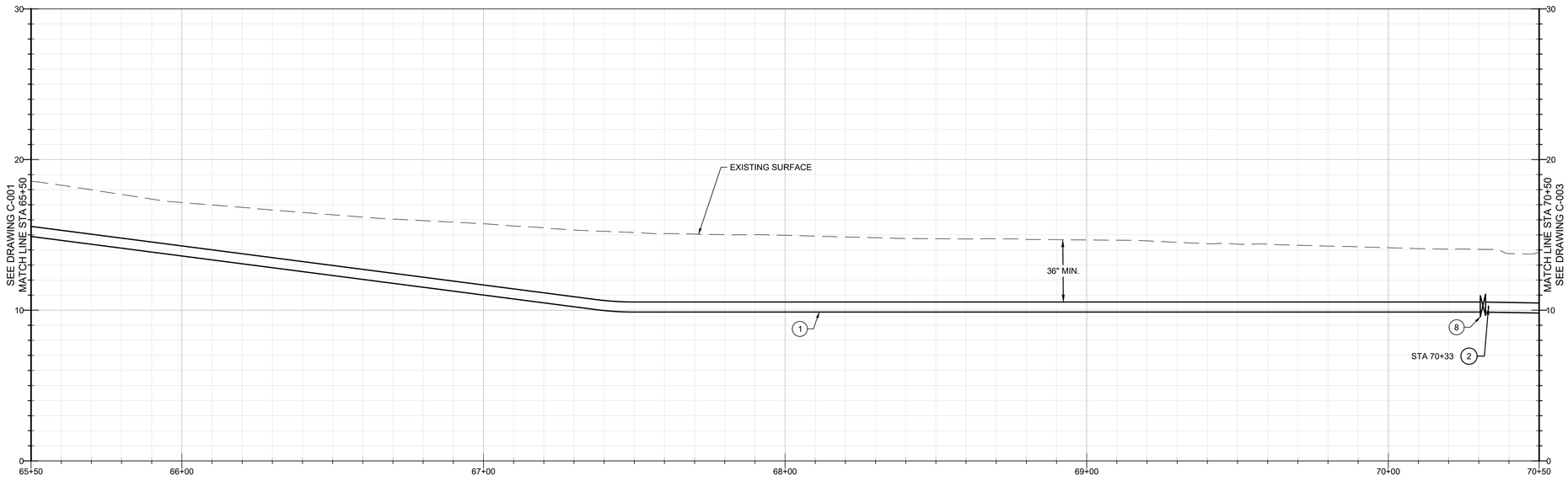
STRUVE ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 60+00 TO STA 65+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-001

SHEET NUMBER
6 OF 158

C:\Box\Projects\CWTRC - Community Water Center\CWTRC.200476.05\P&S Prep\3 Eng_CAD\3 Drawings\Struve Rd Plan and Profile - 2.dwg
Wed 11 Mar 26 09:57 AM by KBaylDiego



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

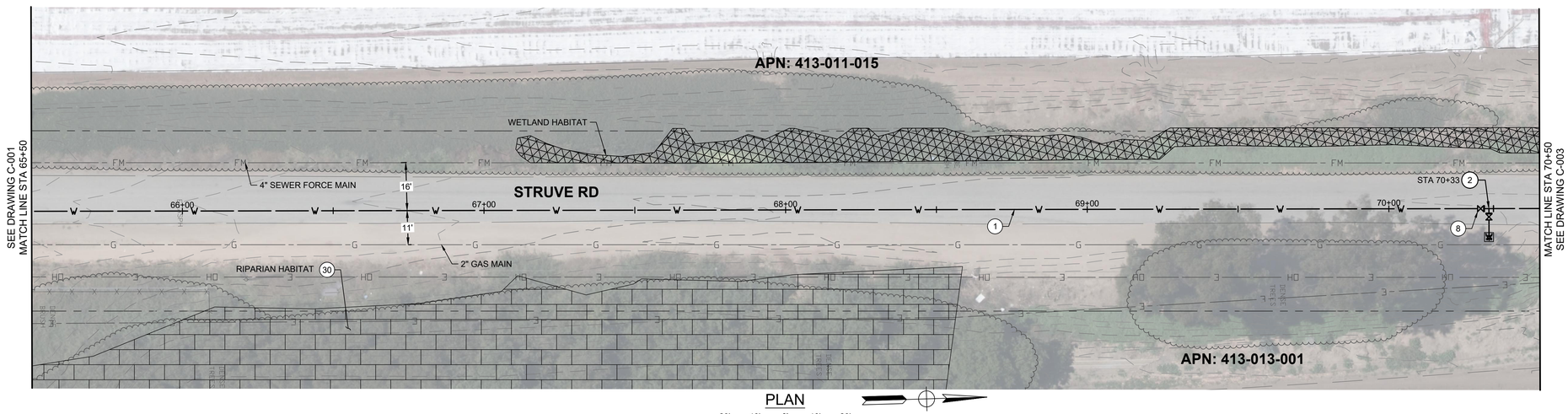
CONSTRUCTION KEY NOTES

(1) INSTALL 8" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE C, DRAWING C-107.

(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(8) INSTALL 8" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.

(30) ESA-RIPARIAN HABITAT, COMPLY WITH ENVIRONMENTAL PROTECTION REQUIREMENTS.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

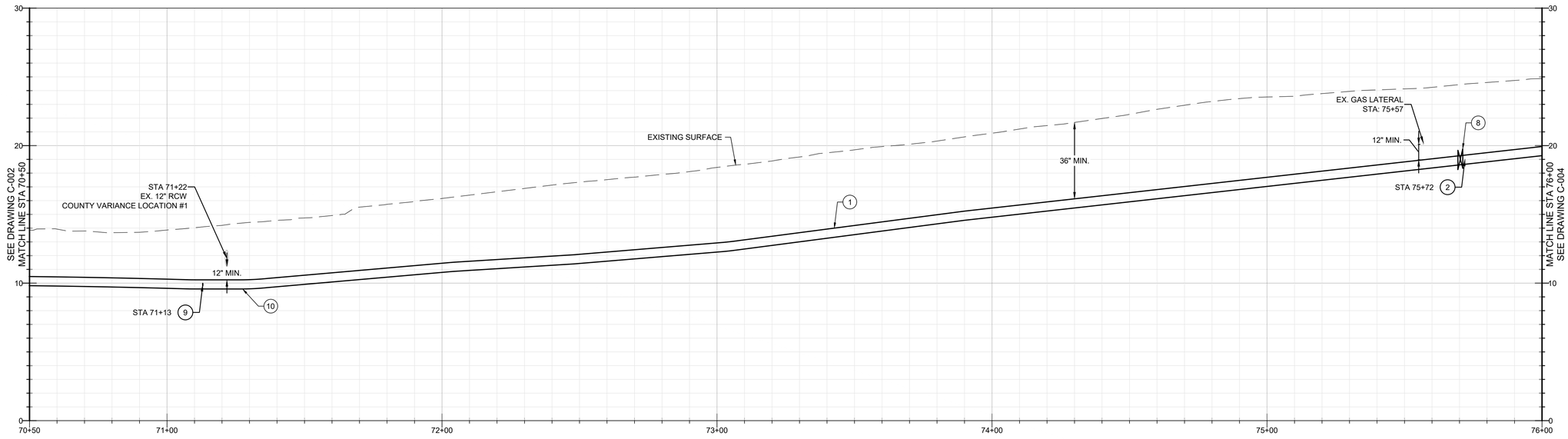
STRUVE ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 65+50 TO STA 70+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-002

SHEET NUMBER
7 OF 158

Wed 11:Mar:26 09:51:37 AM by Alex Diego
C:\BoxProjects\CWTRC - Community Water Center\CWTRC.200476.05 PSMS Proj\Eng_CAD\3 Sheets\Main Pipeline Plan And Profile - 2.dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(1) INSTALL 8" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE C, DRAWING C-107.

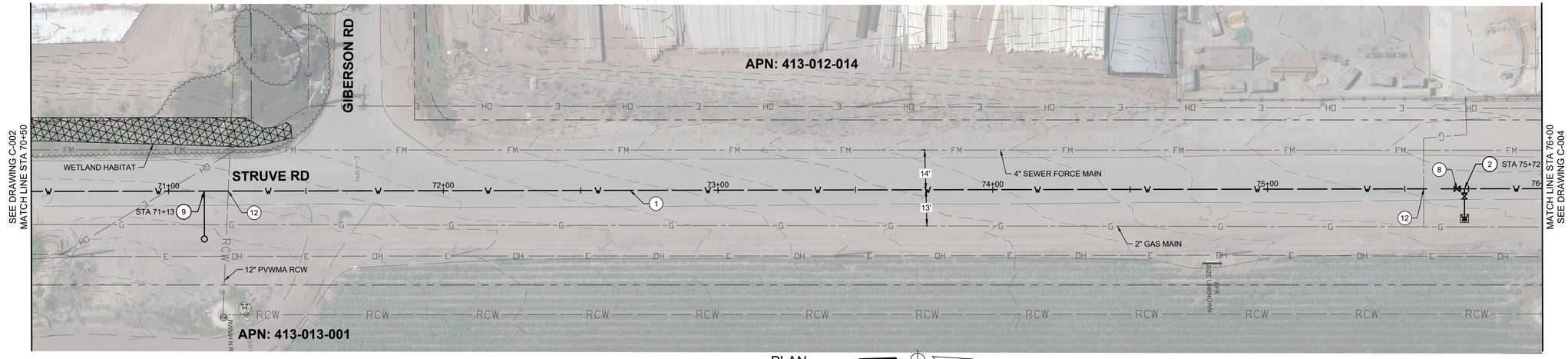
(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(8) INSTALL 8" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.

(9) INSTALL BLOW-OFF ASSEMBLY PER STANDARD PLAN NO. 3-06. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(10) INSTALL 8" PVC C900 DR 14 PER DETAIL 1, CASE C, DRAWING C-107. CENTER A 20' MINIMUM LENGTH OF PIPE BELOW CROSSING UTILITY. NO JOINTS PERMITTED WITHIN 8' OF UTILITY CROSSING.

(12) PROTECT UTILITY IN PLACE



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

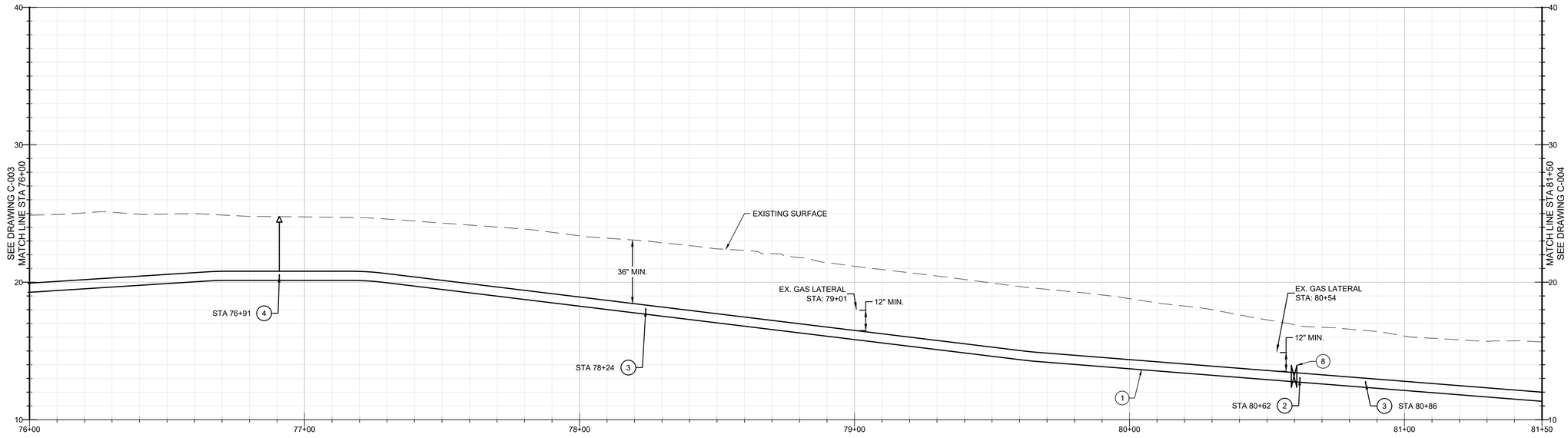
STRUVE ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 70+50 TO STA 76+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-003

SHEET NUMBER
8 OF 158

© Structures\CWTRC - Community Water Center\CWTRC.200476.05 Pajaro Reg Eng_C\04 Sheets\Main Pipeline Plan And Profile_2.dwg
Wed 11 Mar 26 09:57 AM by Alex Diego



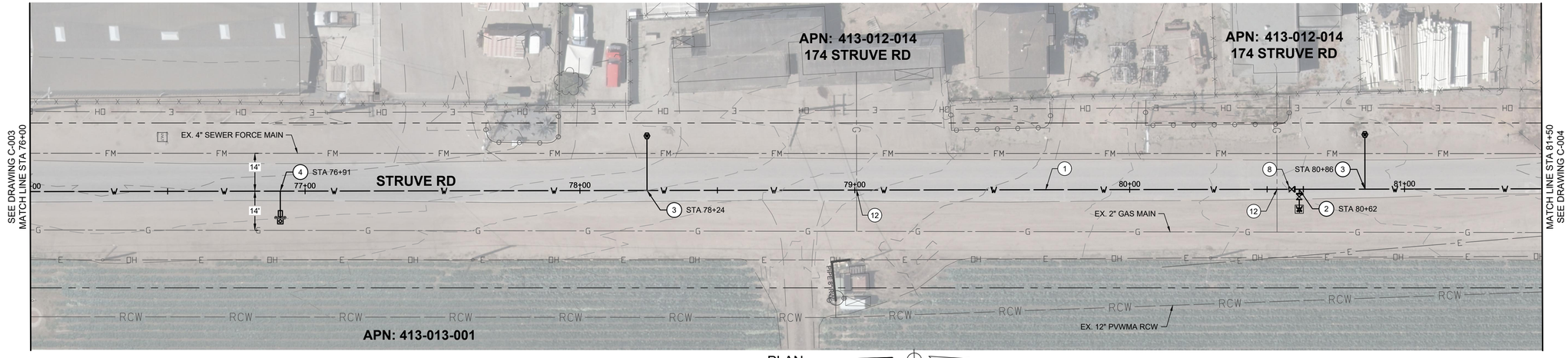
PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

1. INSTALL 8" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE C, DRAWING C-107.
2. INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.
3. INSTALL 1" WATER SERVICE, 3/4" METER, AND METER BOX PER STANDARD PLAN NO. 3-02.03 AND DETAIL 1, CASE F, DRAWING C-107. REFER TO DRAWINGS C-078 THROUGH C-097 FOR PRIVATE LATERAL PLAN.
4. INSTALL AIR/VACUUM RELEASE VALVE ASSEMBLY PER STANDARD PLAN NO. 3-11. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.
8. INSTALL 8" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.
12. PROTECT UTILITY IN PLACE



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

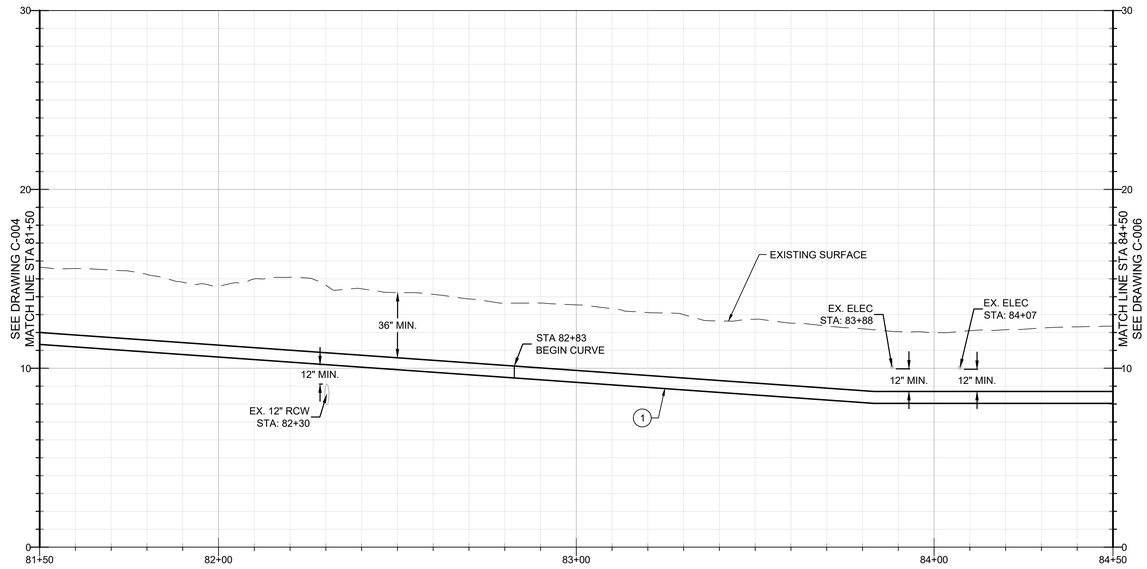
STRUVE ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 76+00 TO STA 81+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-004

SHEET NUMBER
9 OF 158

Thu 26-Dec-25 0:08:31 PM by Alby Daigle
C:\BluePrograms\CWTRC - Community Water Center\CWTRC.200476.05 P2025 Proj\Eng\Dwg\C-004(3) Sheets\Main Pipeline Plan And Profile-1.dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

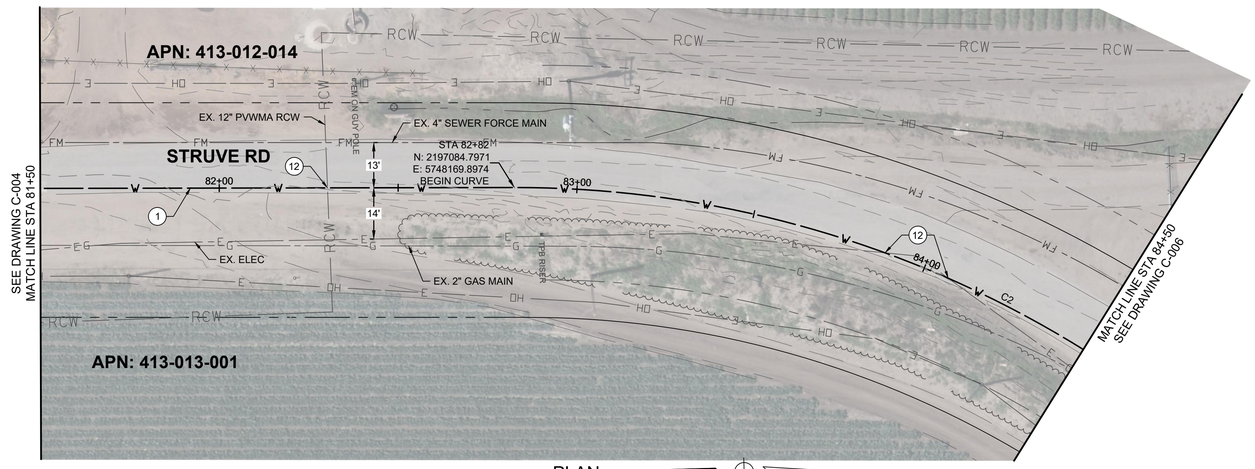
CONSTRUCTION KEY NOTES

(1) INSTALL 8" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE C, DRAWING C-107.

(12) PROTECT UTILITY IN PLACE

CURVE TABLE

Curve #	RADIUS	LENGTH	DELTA	START POINT (N,E)	END POINT (N,E)
C2	300.00'	78.80'	015.05	(2197181.89, 5748188.90)	(2197251.21, 5748225.90)



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

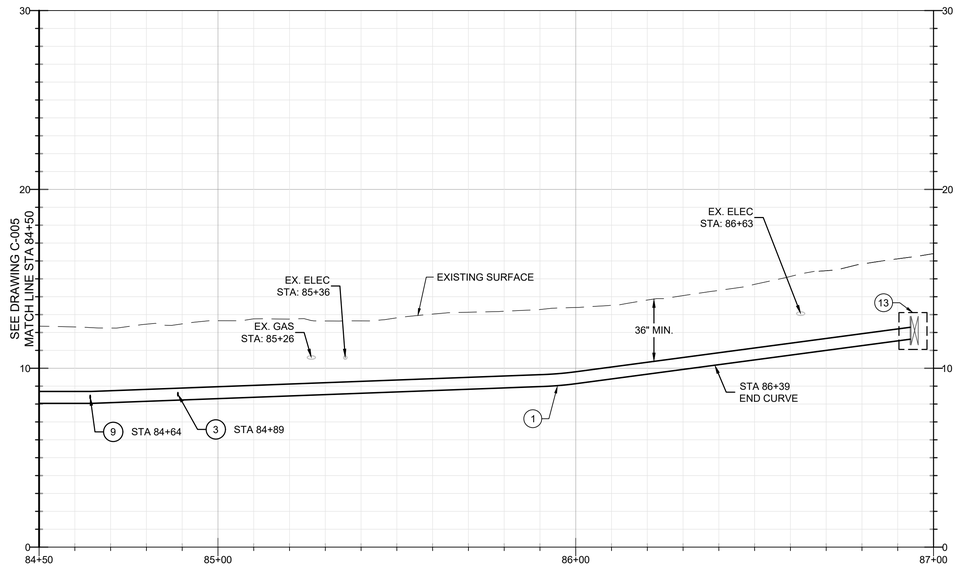
STRUVE ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 81+50 TO STA 84+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-005

SHEET NUMBER
10 OF 158

Thu 2/26/26 2:18:21 PM by Abby Dapp
© Box Projects\CWTRC - Community Water Center\CWTRC.200476.05 PSMS Proj Eng_CAD\3 Sheet\Main Pipeline Plan And Profile - 3.dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(1) INSTALL 8" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE C, DRAWING C-107.

(3) INSTALL 1" WATER SERVICE, 3/4" METER, AND METER BOX PER STANDARD PLAN NO. 3-02.03 AND DETAIL 1, CASE F, DRAWING C-107. REFER TO DRAWINGS C-078 THROUGH C-097 FOR PRIVATE LATERAL PLAN.

(9) INSTALL BLOW-OFF ASSEMBLY PER STANDARD PLAN NO. 3-06. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

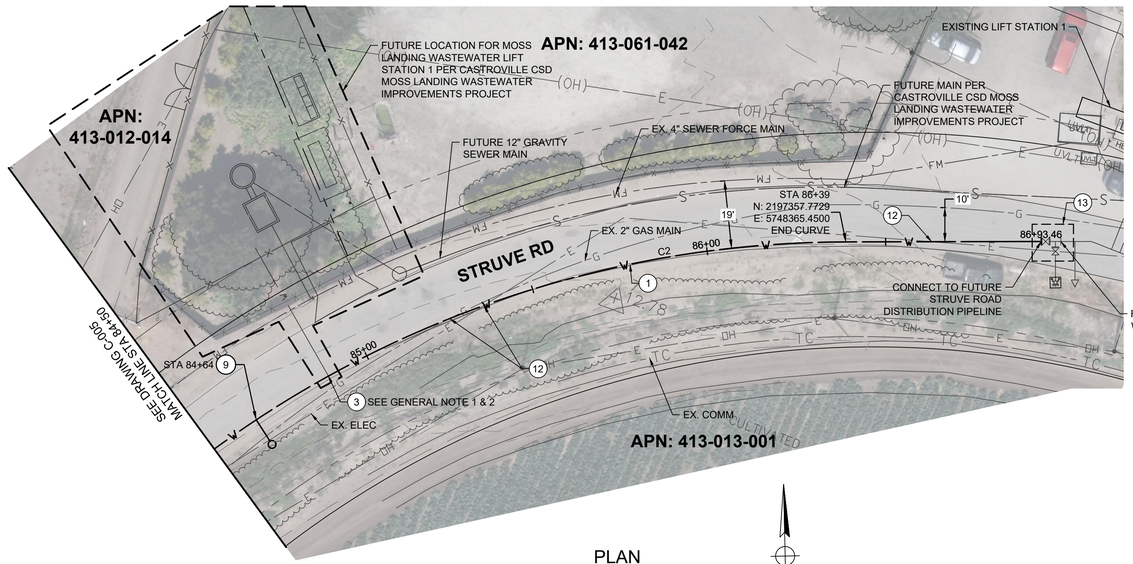
(12) PROTECT UTILITY IN PLACE

(13) CONNECT TO FUTURE SPRINGFIELD SYSTEM. CONNECTION DETAIL PER DETAIL 1, DRAWING C-077.

GENERAL NOTES

1. CURRENT TIMELINE FOR CONSTRUCTION OF CITY OF CASTROVILLE'S NEW LIFT STATION NO. 1 IS UNKNOWN. IF THE LIFT STATION IS NOT RELOCATED AT THE TIME OF CONSTRUCTION FOR THIS MAIN, LATERAL AT STA 86+25 DOES NOT NEED TO BE CONSTRUCTED.

2. ONLY ONE WATER CONNECTION NEEDED FOR LIFT STATION 1. IF LIFT STATION 1 HAS NOT BEEN RELOCATED AS SHOWN, CCSD LIFT STATION #1 LATERAL IS BEING CONSTRUCTED AS PART OF SEPARATE CONTRACT IN THE SPRINGFIELD PROJECT.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

CURVE TABLE

Curve #	RADIUS	LENGTH	DELTA	START POINT (N,E)	END POINT (N,E)
C2	300.00'	78.80'	015.05	(2197181.89, 5748188.90)	(2197251.21, 5748225.90)

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

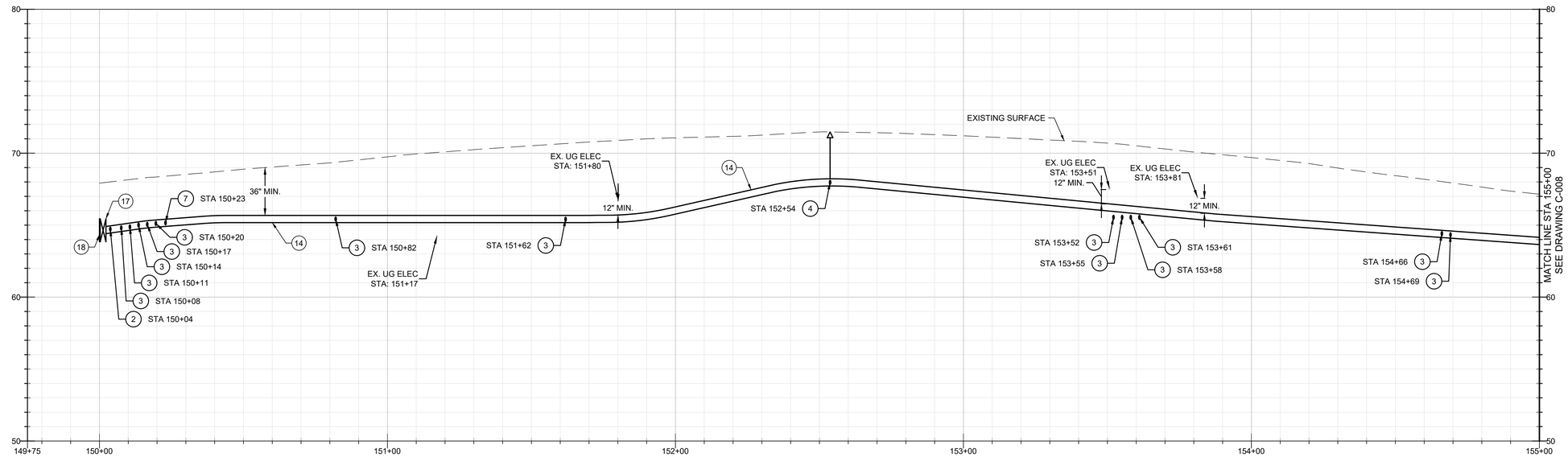
STRUVE ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 84+50 TO STA 87+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-006

SHEET NUMBER
11 OF 158

C:\Box\Projects\CWTRC - Community Water Center\CWTRC.200476.05 PWD Proj Eng_CAD\3 Base\Base Drafting Plan And Profile - 3.dwg
Thu, 05-Dec-25 21:08:31 PM by: KMy Diego



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(3) INSTALL 1" WATER SERVICE, 3/4" METER, AND METER BOX PER STANDARD PLAN NO. 3-02.03 AND DETAIL 1, CASE F, DRAWING C-107. REFER TO DRAWINGS C-078 THROUGH C-097 FOR PRIVATE LATERAL PLAN.

(4) INSTALL AIR/VACUUM RELEASE VALVE ASSEMBLY PER STANDARD PLAN NO. 3-11. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

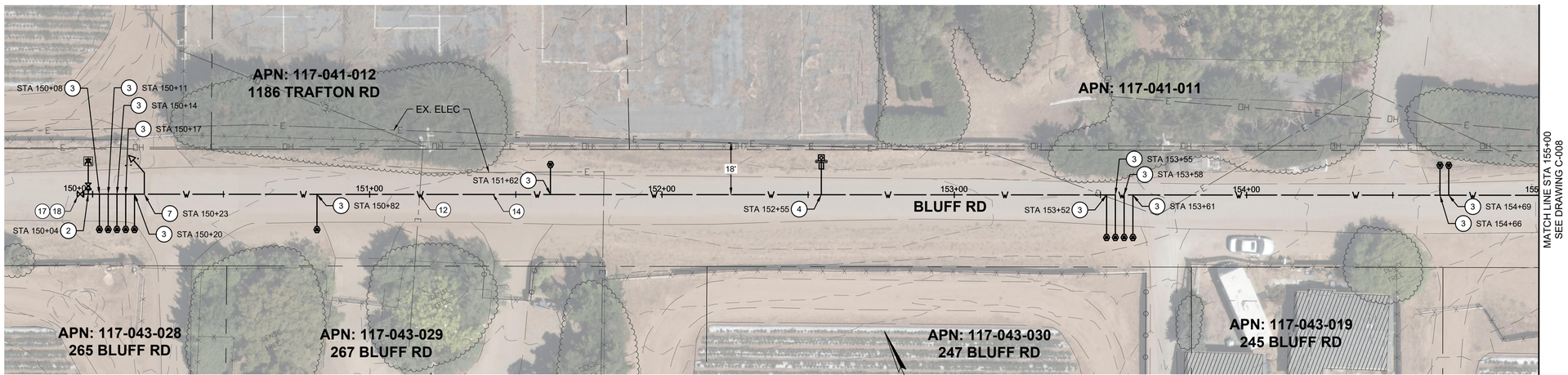
(7) INSTALL SAMPLING STATION PER STANDARD PLAN NO. 3-21. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(12) PROTECT UTILITY IN PLACE

(14) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE C, DRAWING C-107.

(17) INSTALL 6" LINE GATE VALVE (FLG) PER STANDARD PLAN NO. 3-07.01.

(18) INSTALL 6" BLIND FLANGE WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

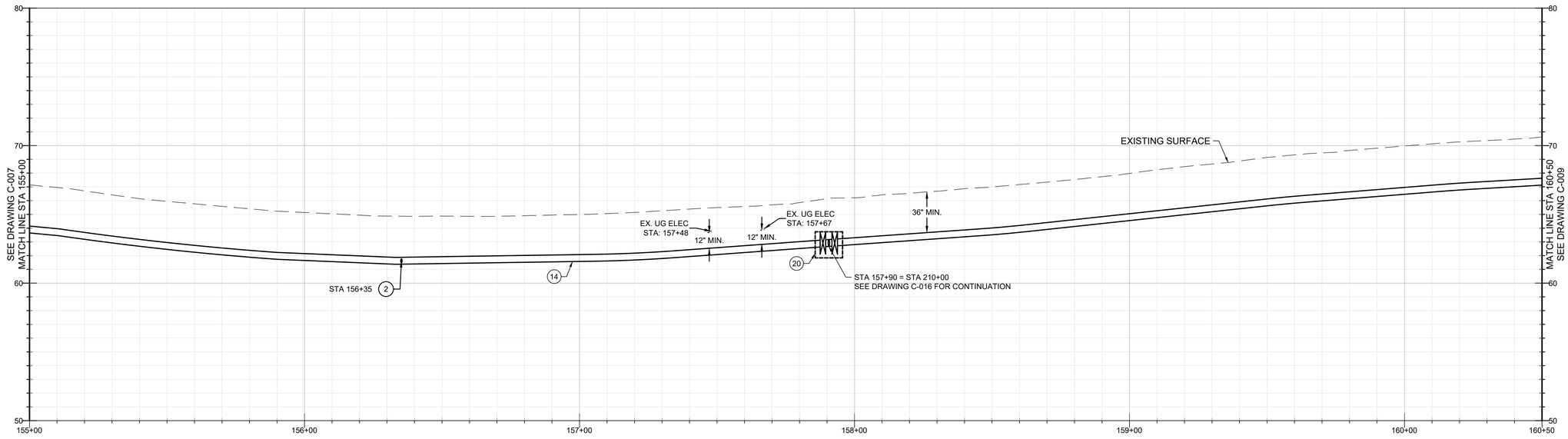
BLUFF ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 150+00 TO STA 155+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-007

SHEET NUMBER
12 OF 158

© Boe\Projects\CWTRC - Community Water Center\CWTRC.200476.05 PSMJ Proj Eng_CADD Sheet\Main Pipeline Plan And Profile 1.dwg
Thu, 2/26/26 - 21:18:19 Mary Abby Dejan



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

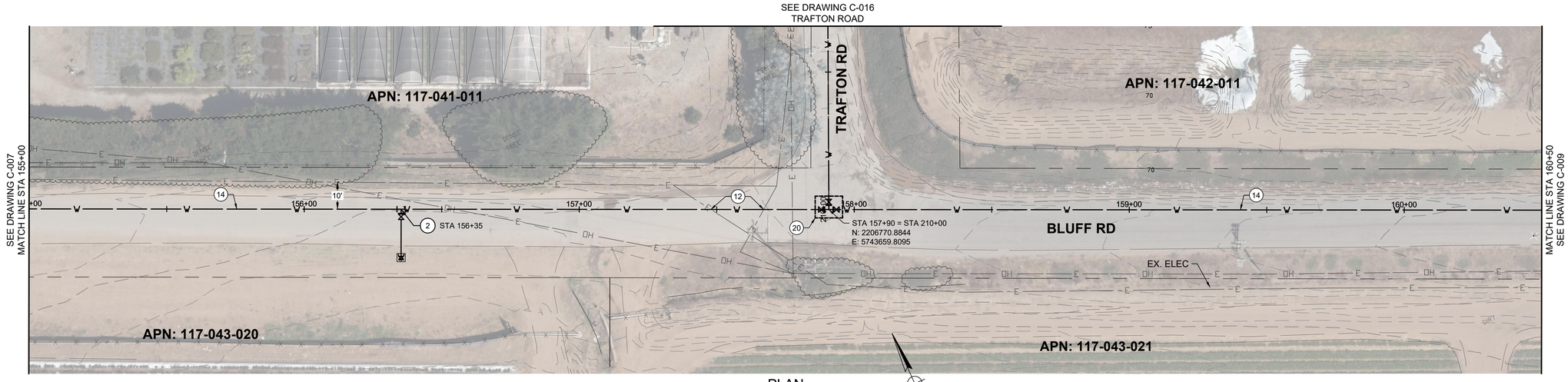
CONSTRUCTION KEY NOTES

(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(12) PROTECT UTILITY IN PLACE

(14) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE C, DRAWING C-107.

(20) CONNECT TO TRAFTON ROAD DISTRIBUTION MAIN. CONNECTION DETAIL PER DETAIL 2, DRAWING C-077.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

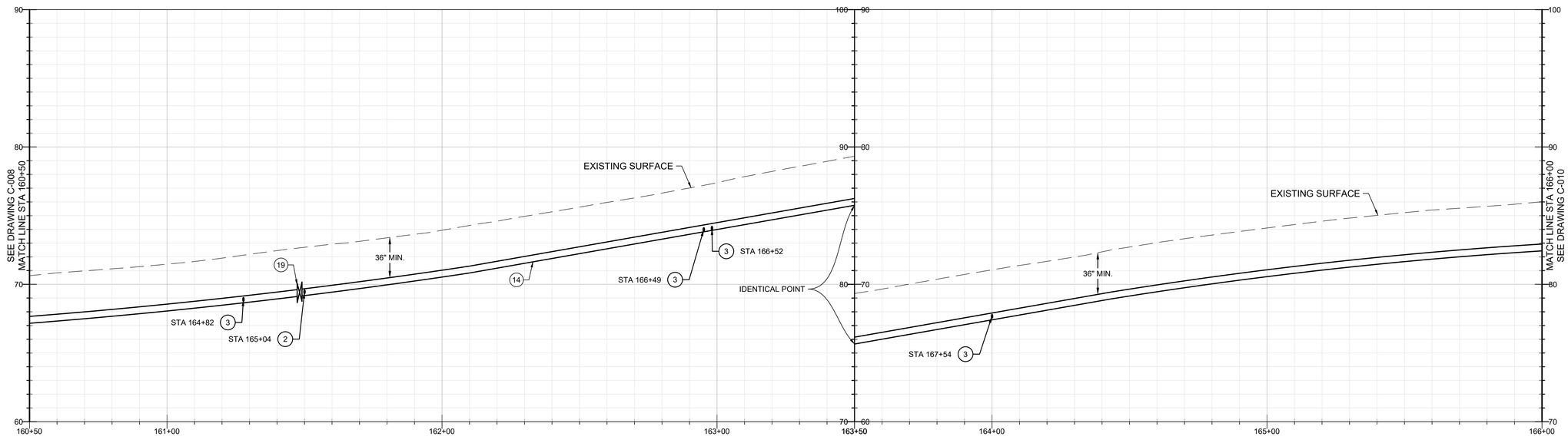
BLUFF ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 155+00 TO STA 160+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-008

SHEET NUMBER
13 OF 158

Thu, AUG 25, 31 01:18 PM By: Hope Mallroy
C:\BoxPhysicalWork - Community Water Consortium\200476.05 Pure Prop2 Eng_CAD\2 Base\Water Pipeline Plan And Profile_2.dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

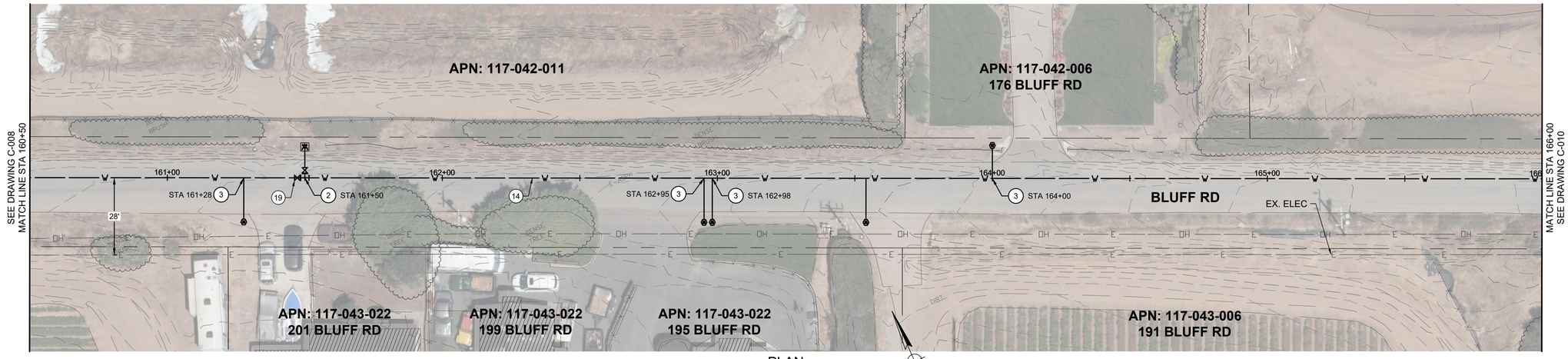
CONSTRUCTION KEY NOTES

(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(3) INSTALL 1" WATER SERVICE, 3/4" METER, AND METER BOX PER STANDARD PLAN NO. 3-02.03 AND DETAIL 1, CASE F, DRAWING C-107. REFER TO DRAWINGS C-078 THROUGH C-097 FOR PRIVATE LATERAL PLAN.

(14) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE C, DRAWING C-107.

(19) INSTALL 6" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

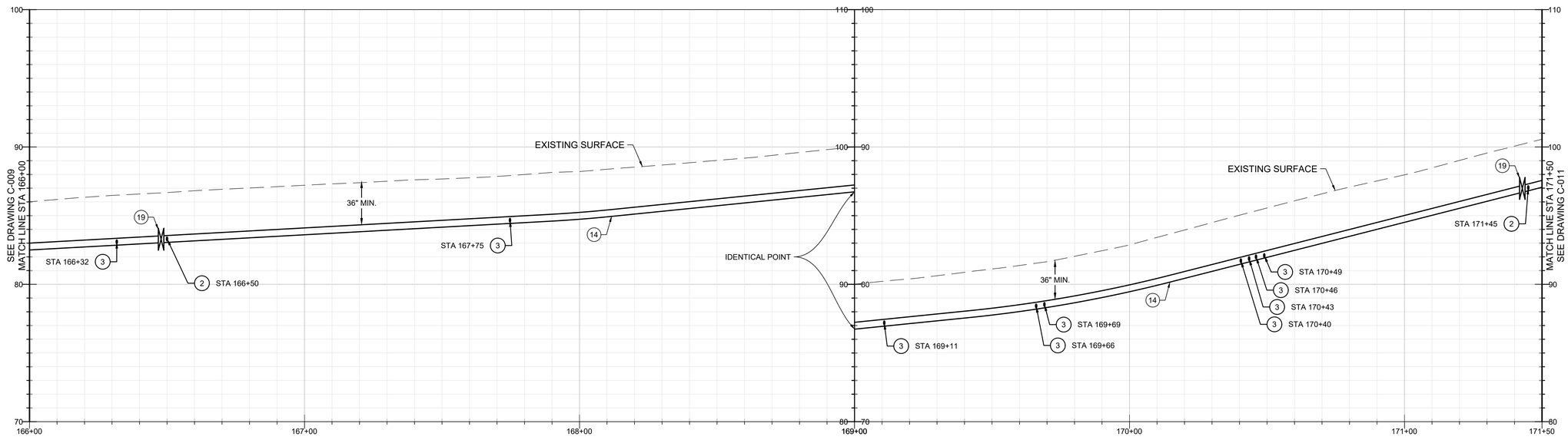
BLUFF ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 160+50 TO STA 166+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-009

SHEET NUMBER
14 OF 158

Thu, 04 Dec 25 01:18:16 PM by Nicol Mallory
C:\Bluff\Projects\Community Water Consortium\200476.05 Trans Proj\3 Eng\CAD\3 Shoreliner Pipeline Plan And Profile - 1.dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

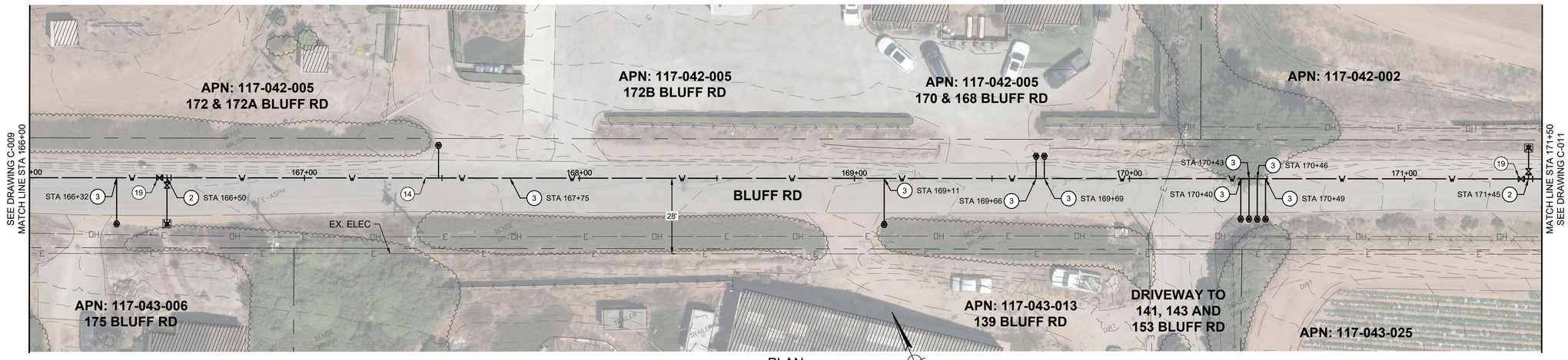
CONSTRUCTION KEY NOTES

(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(3) INSTALL 1" WATER SERVICE, 3/4" METER, AND METER BOX PER STANDARD PLAN NO. 3-02.03 AND DETAIL 1, CASE F, DRAWING C-107. REFER TO DRAWINGS C-078 THROUGH C-097 FOR PRIVATE LATERAL PLAN.

(14) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE C, DRAWING C-107.

(19) INSTALL 6" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

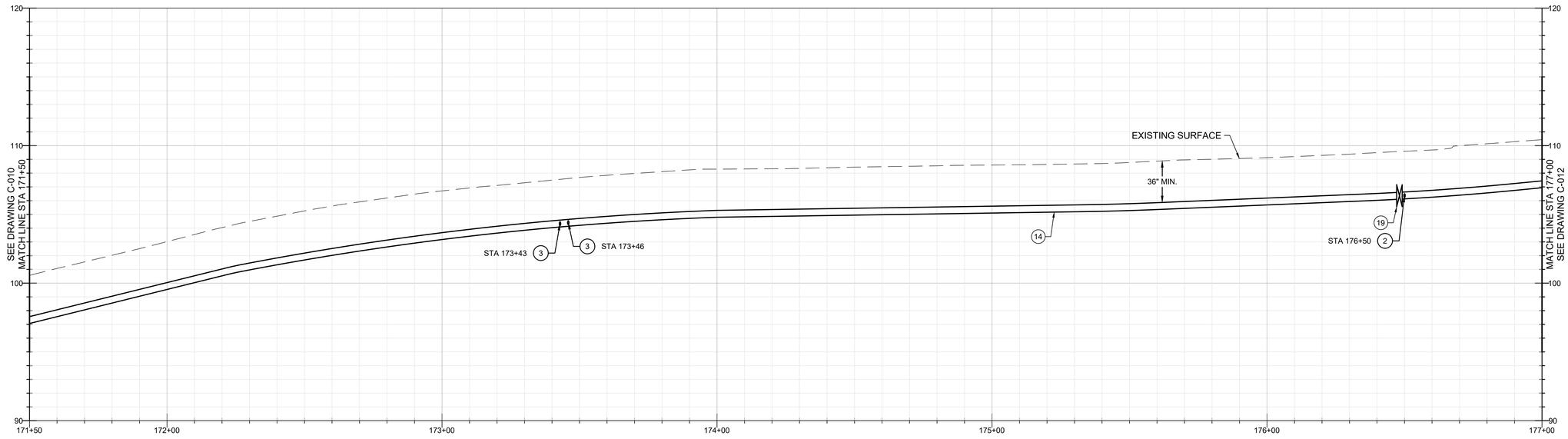
BLUFF ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 166+00 TO STA 171+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-010

SHEET NUMBER
15 OF 158

Thu, 04 Dec 25 01:18:18 PM by Yesid Mallma
C:\Build Projects\Pajaro - Community Water Consolidation\200476.05 Trans Proj\3 Eng\CAD\3 Shoot\Water Pipeline Plan And Profile - 1.dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

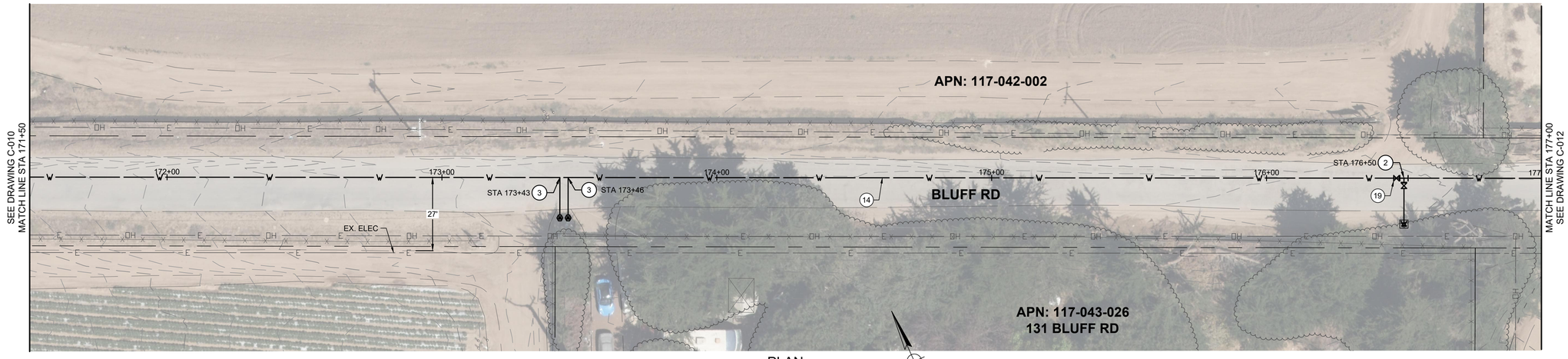
CONSTRUCTION KEY NOTES

(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(3) INSTALL 1" WATER SERVICE, 3/4" METER, AND METER BOX PER STANDARD PLAN NO. 3-02.03 AND DETAIL 1, CASE F, DRAWING C-107. REFER TO DRAWINGS C-078 THROUGH C-097 FOR PRIVATE LATERAL PLAN.

(14) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE C, DRAWING C-107.

(19) INSTALL 6" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

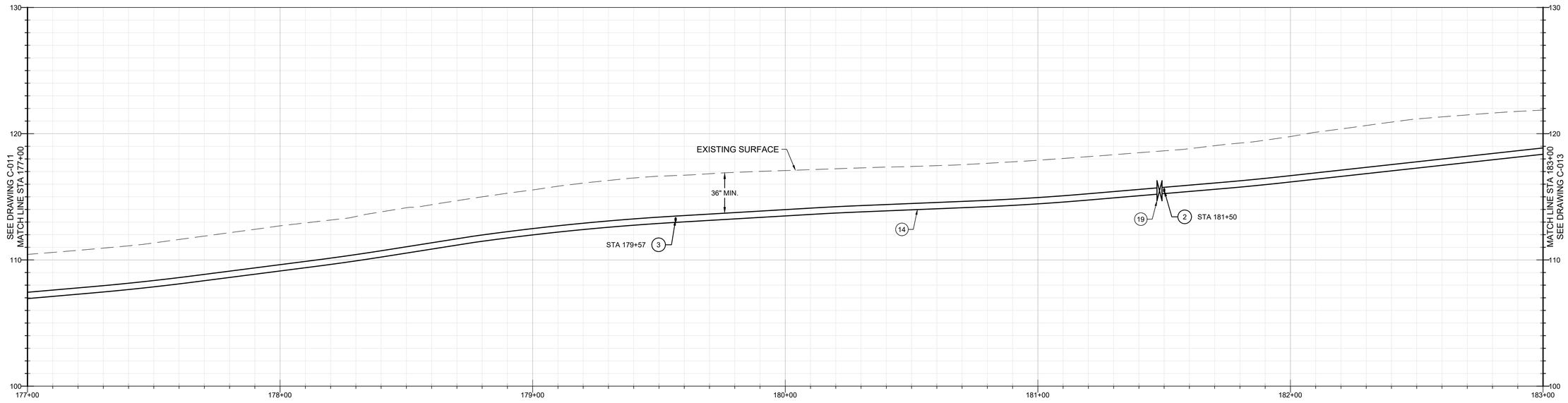
BLUFF ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 171+50 TO STA 177+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-011

SHEET NUMBER
16 OF 158

C:\Bluntproposals - Community Water Consortium\200476.05 Pajaro Proj\3 Eng\CAD\3 Stormwater Pipeline Plan And Profile - 1.dwg
Wed 21 Jan 26 12:37:28 PM by Alexis Mahony



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

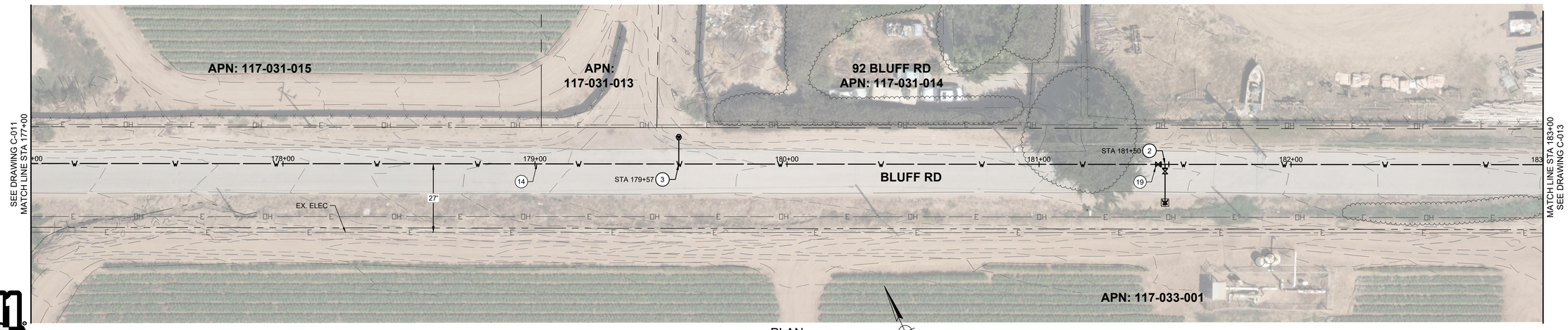
CONSTRUCTION KEY NOTES

(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(3) INSTALL 1" WATER SERVICE, 3/4" METER, AND METER BOX PER STANDARD PLAN NO. 3-02.03 AND DETAIL 1, CASE F, DRAWING C-107. REFER TO DRAWINGS C-078 THROUGH C-097 FOR PRIVATE LATERAL PLAN.

(14) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE C, DRAWING C-107.

(19) INSTALL 6" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

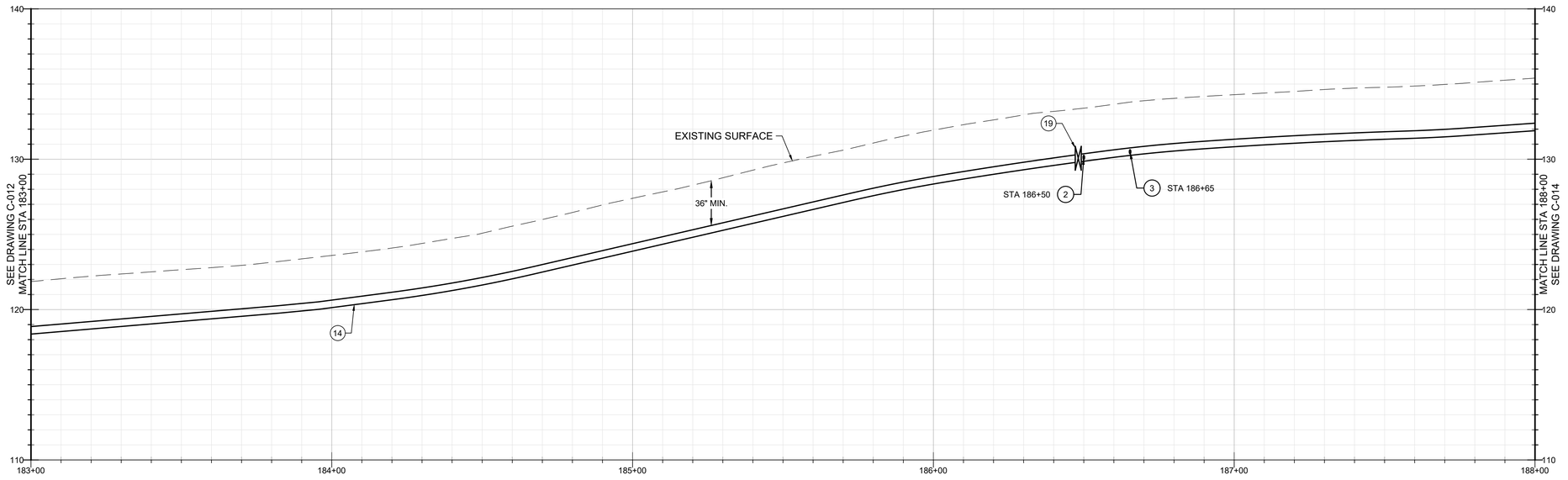
BLUFF ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 177+00 TO STA 183+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-012

SHEET NUMBER
17 OF 158

Wed 21 Jan 26 12:37:28 PM by Nicol Mallory
C:\Bluff Project\Civil - Community Water Consolidation\2025.05 Plans\Proj\3 Eng\CAD\2 Shoot\Water Pipeline Plan And Profile - 1.dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

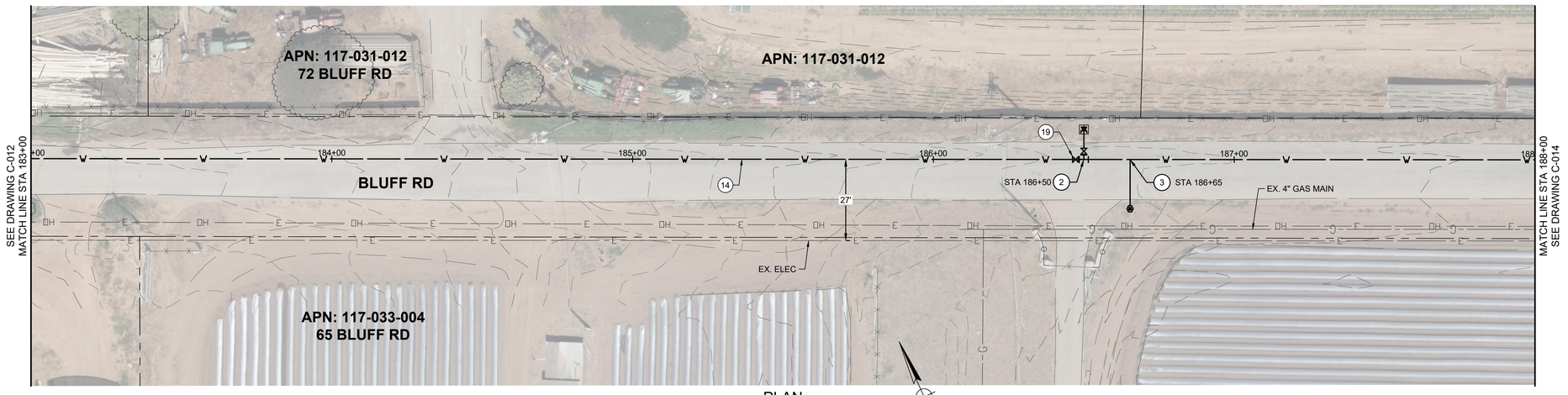
CONSTRUCTION KEY NOTES

(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(3) INSTALL 1" WATER SERVICE, 3/4" METER, AND METER BOX PER STANDARD PLAN NO. 3-02.03 AND DETAIL 1, CASE F, DRAWING C-107. REFER TO DRAWINGS C-078 THROUGH C-097 FOR PRIVATE LATERAL PLAN.

(14) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE C, DRAWING C-107.

(19) INSTALL 6" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

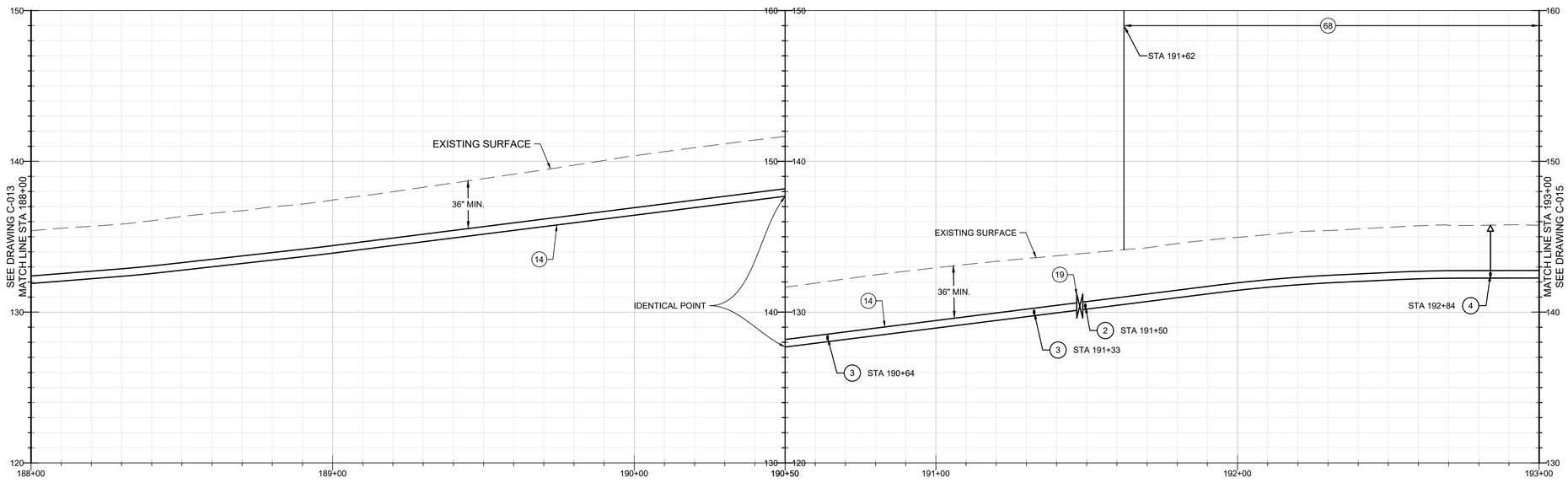
BLUFF ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 183+00 TO STA 188+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-013

SHEET NUMBER
18 OF 158

Wed 21 Jan 26 12:37:28 PM by Alexis Mallamy
C:\Bluff Project\Civil\ - Community Water Center\Jobs\2025\25 Plans Proj\1 Eng\ CAD\ Stormwater Pipeline Plan And Profile - 1.dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

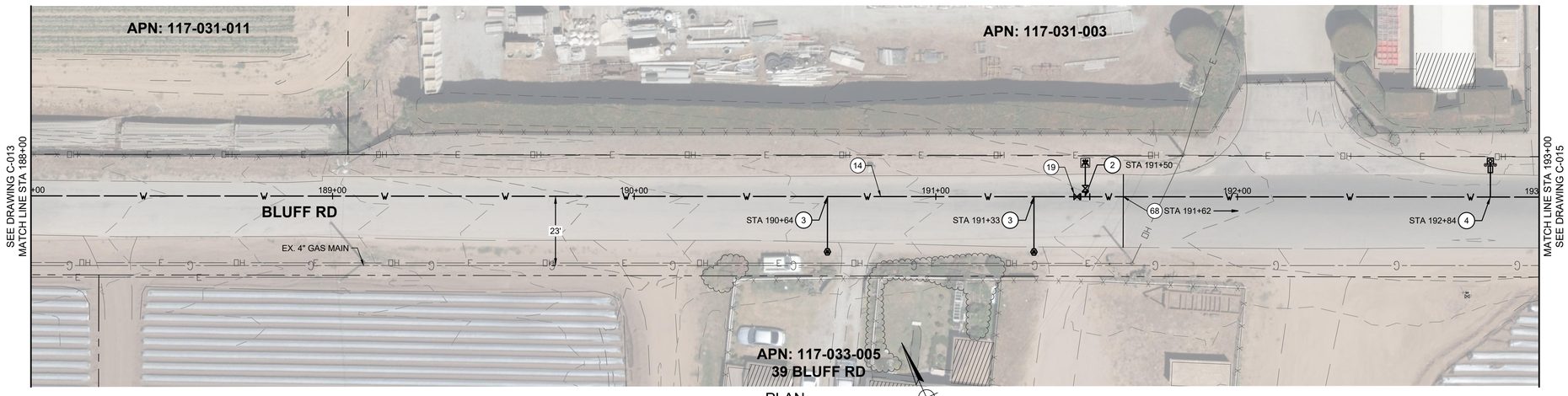
(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(3) INSTALL 1" WATER SERVICE, 3/4" METER, AND METER BOX PER STANDARD PLAN NO. 3-02.03 AND DETAIL 1, CASE F, DRAWING C-107. REFER TO DRAWINGS C-078 THROUGH C-097 FOR PRIVATE LATERAL PLAN.

(4) INSTALL AIR/VACUUM RELEASE VALVE ASSEMBLY PER STANDARD PLAN NO. 3-11. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(14) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE C, DRAWING C-107.

(19) INSTALL 6" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

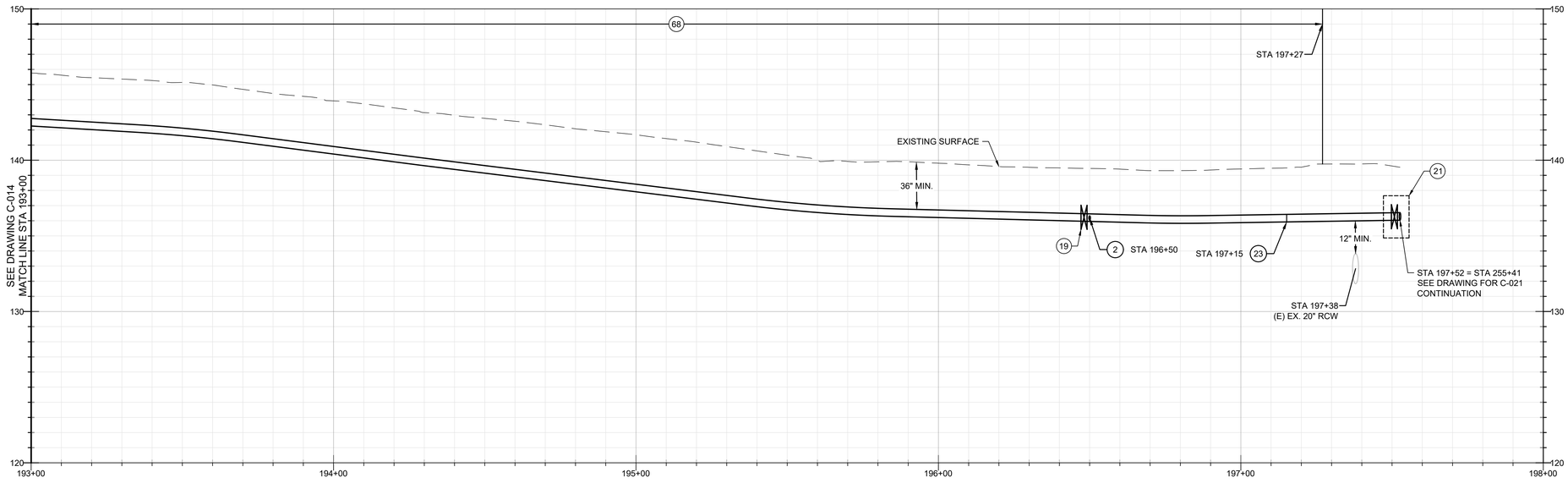
BLUFF ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 188+00 TO STA 193+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-014

SHEET NUMBER
19 OF 158

C:\Bluntpipe\Users - Community Water Center\projects\2024\24 Pano Proj\1 Eng\1 CAD\2 Shoot\Water Pipeline Plan And Profile - 1.dwg
Tue 27 Jan 24 07:18:58 PM by Nicol Mallory



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

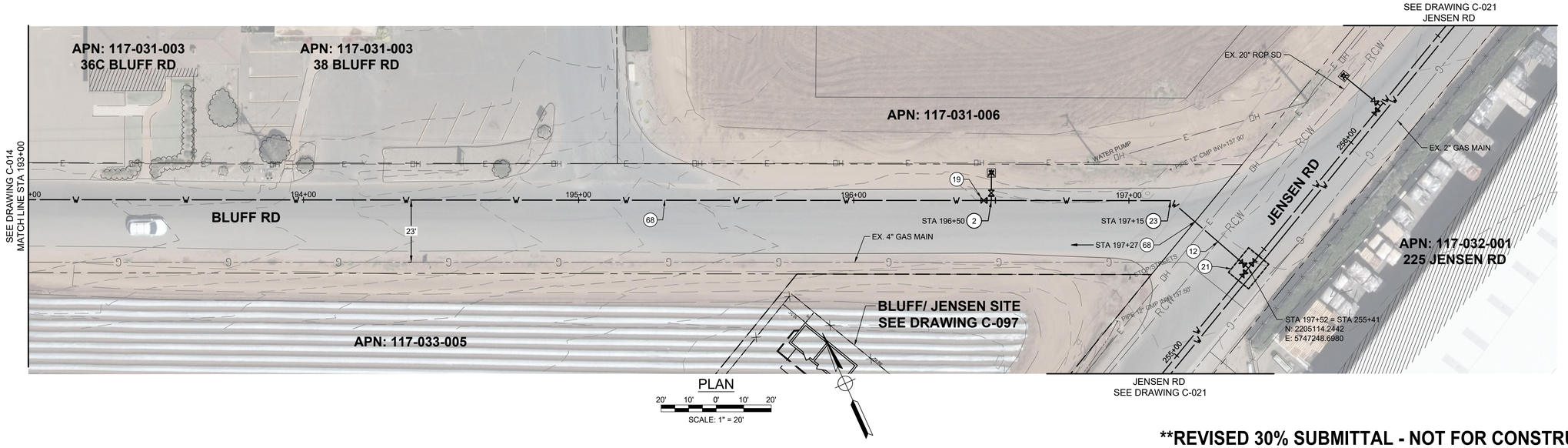
(12) PROTECT UTILITY IN PLACE

(19) INSTALL 6" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.

(21) CONNECT TO JENSEN ROAD DISTRIBUTION MAIN. CONNECTION DETAIL PER DETAIL 3, DRAWING C-077.

(23) INSTALL 6" 45-DEGREE D.I. FITTING (MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(68) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE H, DRAWING C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

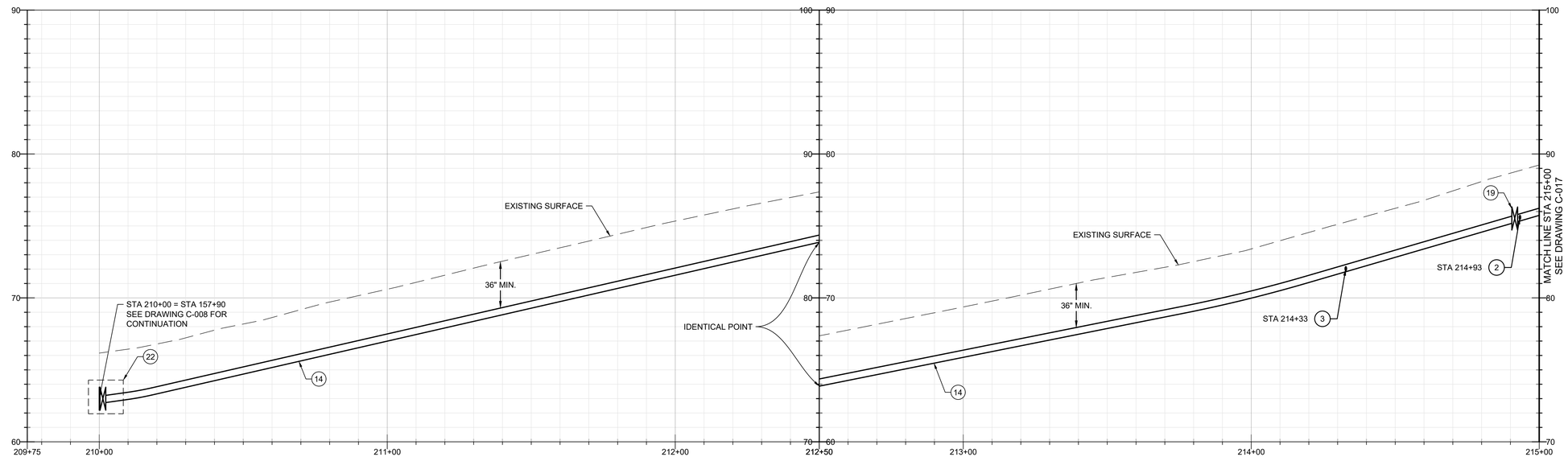
BLUFF ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 193+00 TO STA 198+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-015

SHEET NUMBER
20 OF 158

Tue 27 Jan 26 07:20:08 PM By: Hope Mallroy
C:\BoxPrograms\box - Community Water Consultants,200476.06 Pure Proj\3 Eng_CAD\2 Base\Water Pipeline Plan And Profile_1.dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

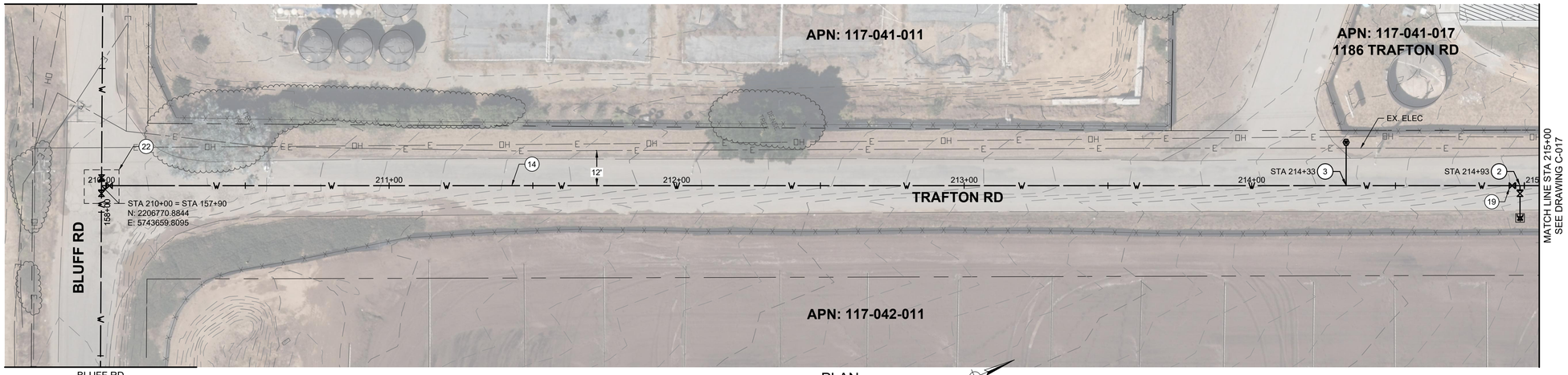
(3) INSTALL 1" WATER SERVICE, 3/4" METER, AND METER BOX PER STANDARD PLAN NO. 3-02.03 AND DETAIL 1, CASE F, DRAWING C-107. REFER TO DRAWINGS C-078 THROUGH C-097 FOR PRIVATE LATERAL PLAN.

(14) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE C, DRAWING C-107.

(19) INSTALL 6" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.

(22) CONNECT TO BLUFF ROAD DISTRIBUTION MAIN. CONNECTION DETAIL PER DETAIL 2, DRAWING C-077.

SEE DRAWING C-008
BLUFF RD



BLUFF RD
SEE DRAWING C-008

PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

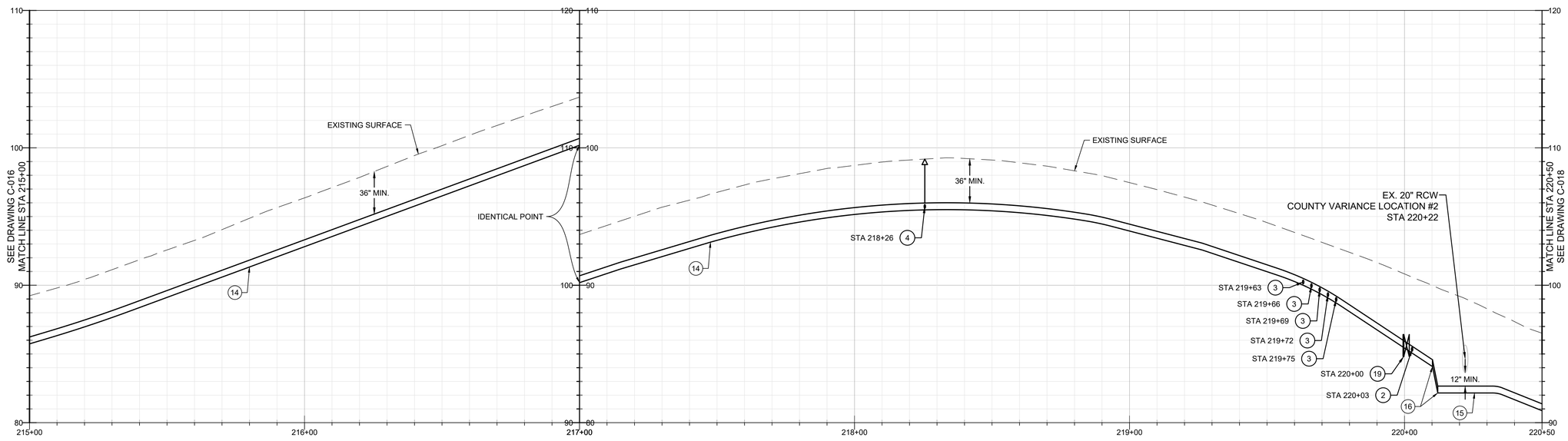
TRAFTON ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 210+00 TO STA 215+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-016

SHEET NUMBER
21 OF 158

Thu, 11 Dec 25 - 08:47:55 - AM By: Nicol Mallory
C:\Bluff\Projects\Community Water Consortium\200476.05 Trans Proj\3 Eng\CAD\3 Stormwater Plans\Plan And Profile - 7.dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(3) INSTALL 1" WATER SERVICE, 3/4" METER, AND METER BOX PER STANDARD PLAN NO. 3-02.03 AND DETAIL 1, CASE F, DRAWING C-107. REFER TO DRAWINGS C-078 THROUGH C-097 FOR PRIVATE LATERAL PLAN.

(4) INSTALL AIR/VACUUM RELEASE VALVE ASSEMBLY PER STANDARD PLAN NO. 3-11. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

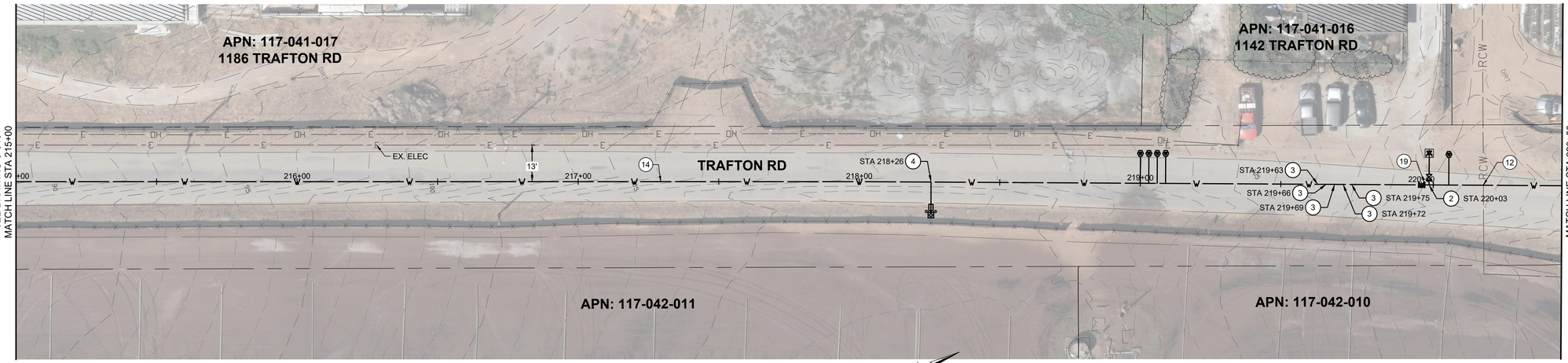
(12) PROTECT UTILITY IN PLACE

(14) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE C, DRAWING C-107.

(15) INSTALL 6" PVC C900 DR 14 PER DETAIL 1, CASE C, DRAWING C-107. CENTER A 20' MINIMUM LENGTH OF PIPE. NO JOINTS PERMITTED WITHIN 8' OF UTILITY CROSSING.

(16) INSTALL 6" 45-DEGREE D.I. VERTICAL FITTING (MJ) WITH JOINT RESTRAINTS FOR CROSSING UNDER EXISTING UTILITY. PROVIDE THRUST BLOCKS PER STANDARD PLAN 3-08.01.

(19) INSTALL 6" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

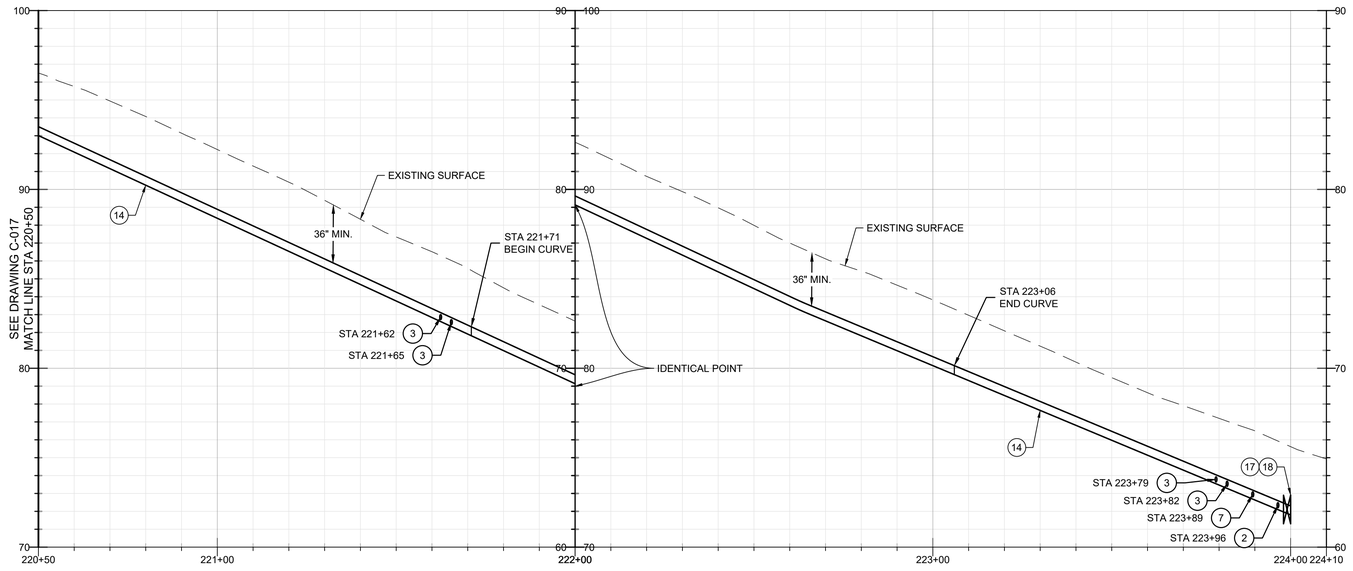
TRAFTON ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 215+00 TO STA 220+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-017

SHEET NUMBER
22 OF 158

Thu 11:54:23 -8(-8:00) Mill by: Nicol Mallory
C:\Build Projects\Pajaro - Community Water Consolidation\2025.05 Plans (Proj)\1 Eng\1 CAD\3 Stormwater Pipeline Plan And Profile - 7.dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(3) INSTALL 1" WATER SERVICE, 3/4" METER, AND METER BOX PER STANDARD PLAN NO. 3-02.03 AND DETAIL 1, CASE F, DRAWING C-107. REFER TO DRAWINGS C-078 THROUGH C-097 FOR PRIVATE LATERAL PLAN.

(7) INSTALL SAMPLING STATION PER STANDARD PLAN NO. 3-21. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

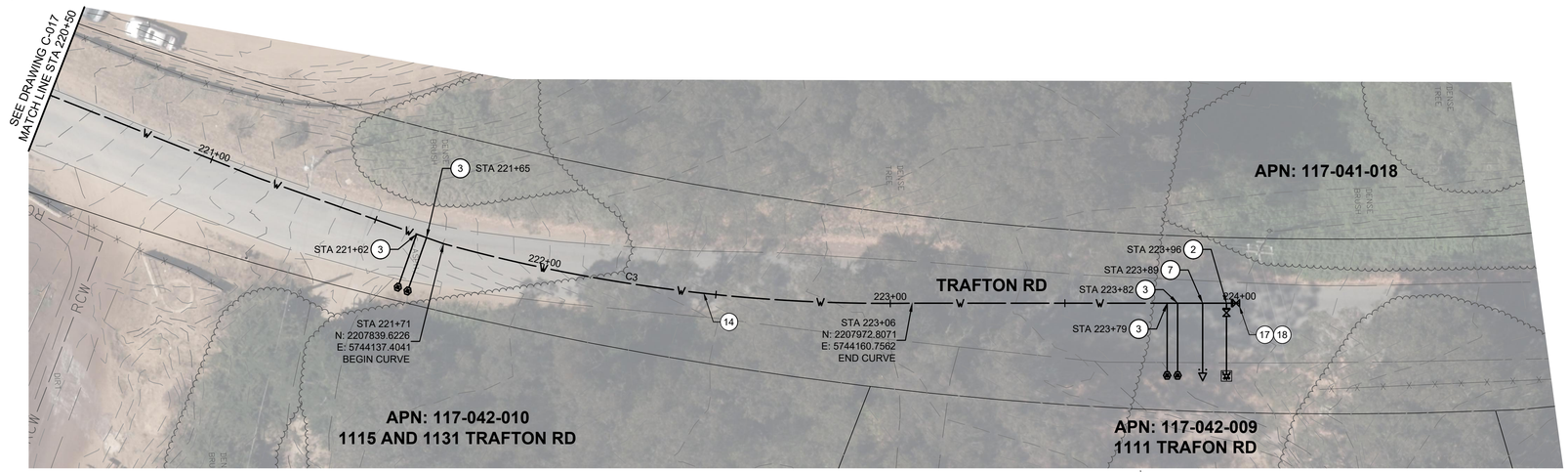
(14) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE C, DRAWING C-107.

(17) INSTALL 6" LINE GATE VALVE (FLG) PER STANDARD PLAN NO. 3-07.01.

(18) INSTALL 6" BLIND FLANGE WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

CURVE TABLE

Curve #	RADIUS	LENGTH	DELTA	START POINT (N,E)	END POINT (N,E)
C3	480.64'	135.67'	016.17	(2207839.62, 5744137.40)	(2207972.81, 5744160.76)



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

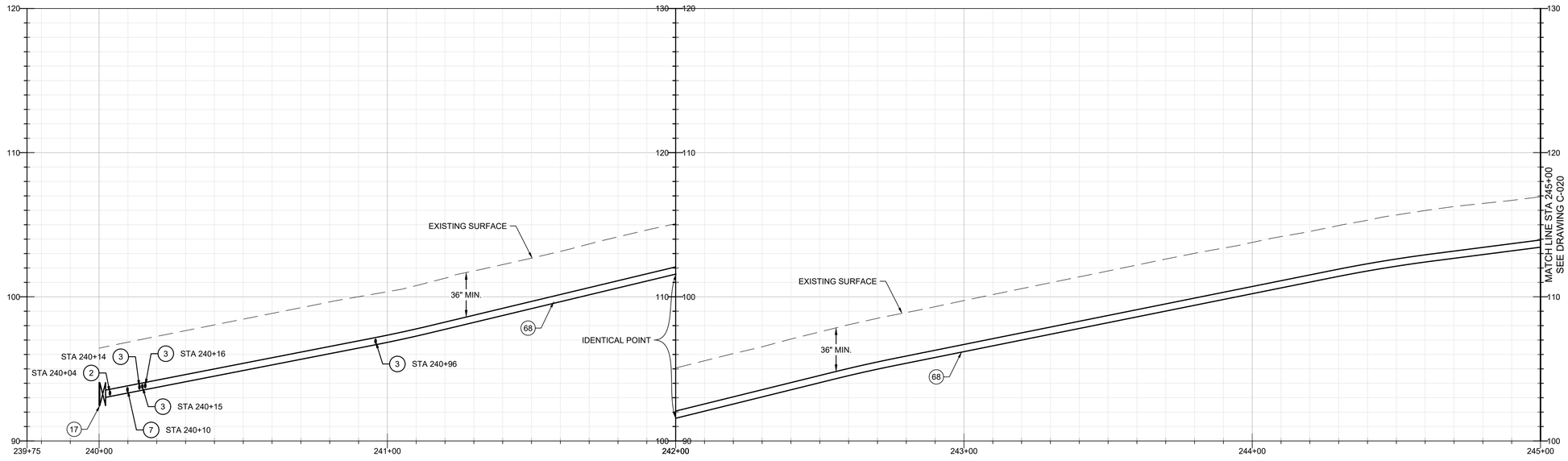
TRAFTON ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 220+50 TO STA 224+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-018

SHEET NUMBER
23 OF 158

Thu, 15 Dec 25 - 08:47:08 AM by Kelly Dodge
C:\Build Projects\CWTRC - Community Water Center\CWTRC.200476.05 SMUD Proj\CE Engr_CADD Shared\New Pipeline Plan And Profile - 1.dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(3) INSTALL 1" WATER SERVICE, 3/4" METER, AND METER BOX PER STANDARD PLAN NO. 3-02.03 AND DETAIL 1, CASE F, DRAWING C-107. REFER TO DRAWINGS C-078 THROUGH C-097 FOR PRIVATE LATERAL PLAN.

(7) INSTALL SAMPLING STATION PER STANDARD PLAN NO. 3-21. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(17) INSTALL 6" LINE GATE VALVE (FLG) PER STANDARD PLAN NO. 3-07.01.

(18) INSTALL 6" BLIND FLANGE WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(68) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE H, DRAWING C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

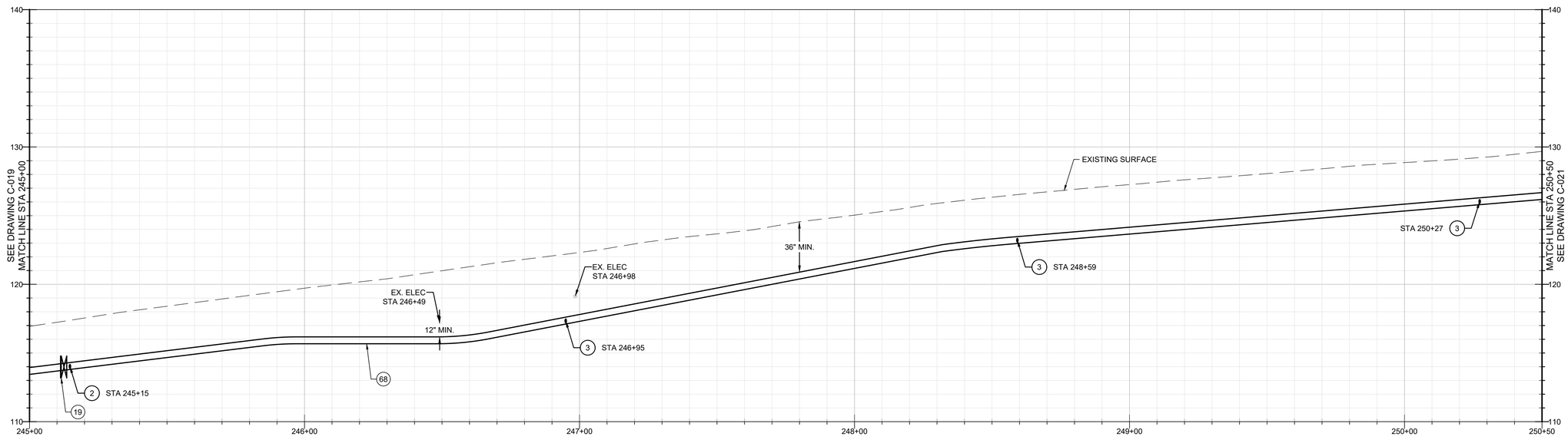
JENSEN ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 240+00 TO STA 245+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-019

SHEET NUMBER
24 OF 158

C:\Bus\Projects\Community Water Consortium\200476.05 Trans Proj\3 Eng\CAD\3 Shoot\Water Pipeline Plan And Profile - 1.dwg
Wed 21 Jan 26 12:43:21 PM by Nicol Mallory



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

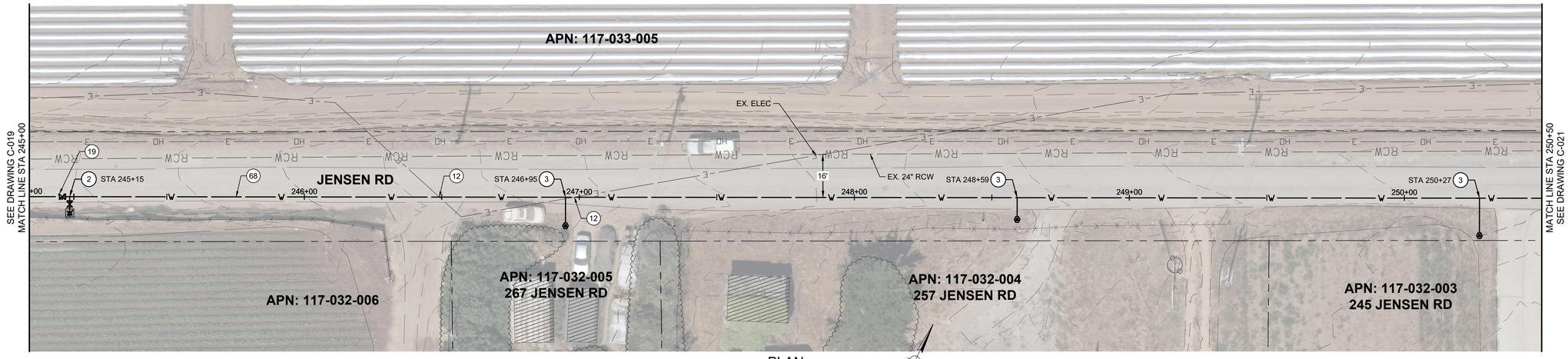
(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(3) INSTALL 1" WATER SERVICE, 3/4" METER, AND METER BOX PER STANDARD PLAN NO. 3-02.03 AND DETAIL 1, CASE F, DRAWING C-107. REFER TO DRAWINGS C-078 THROUGH C-097 FOR PRIVATE LATERAL PLAN.

(12) PROTECT UTILITY IN PLACE

(19) INSTALL 6" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.

(68) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE H, DRAWING C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

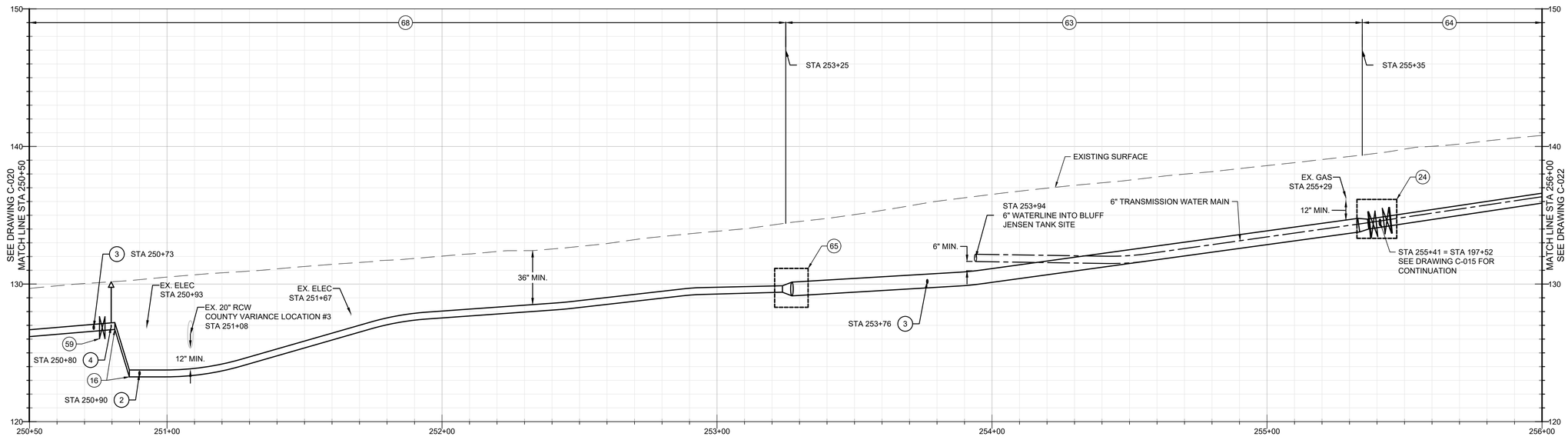
JENSEN ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 245+00 TO STA 250+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-020

SHEET NUMBER
25 OF 158

Wed 21 Jan 26 12:43:13 PM by Nicol Mallory
C:\Bluebeam\Documents - Community Water Cons\Jensen 2025\25.06 Plans Proj\3 Eng\ CADD Shared\Water Pipeline Plan And Profile - 1.dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(3) INSTALL 1" WATER SERVICE, 3/4" METER, AND METER BOX PER STANDARD PLAN NO. 3-02.03 AND DETAIL 1, CASE F, DRAWING C-107. REFER TO DRAWINGS C-078 THROUGH C-097 FOR PRIVATE LATERAL PLAN.

(4) INSTALL AIR/VACUUM RELEASE VALVE ASSEMBLY PER STANDARD PLAN NO. 3-11. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(12) PROTECT UTILITY IN PLACE

(14) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE C, DRAWING C-107.

(16) INSTALL 6" 45-DEGREE D.I. VERTICAL FITTING (MJ) WITH JOINT RESTRAINTS FOR CROSSING UNDER EXISTING UTILITY. PROVIDE THRUST BLOCKS PER STANDARD PLAN 3-08.01.

(24) CONNECT TO BLUFF ROAD DISTRIBUTION MAIN. CONNECTION DETAIL PER DETAIL 3, DRAWING C-077.

(26) INSTALL 6" 90-DEGREE D.I. FITTING (MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(33) INSTALL 6" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

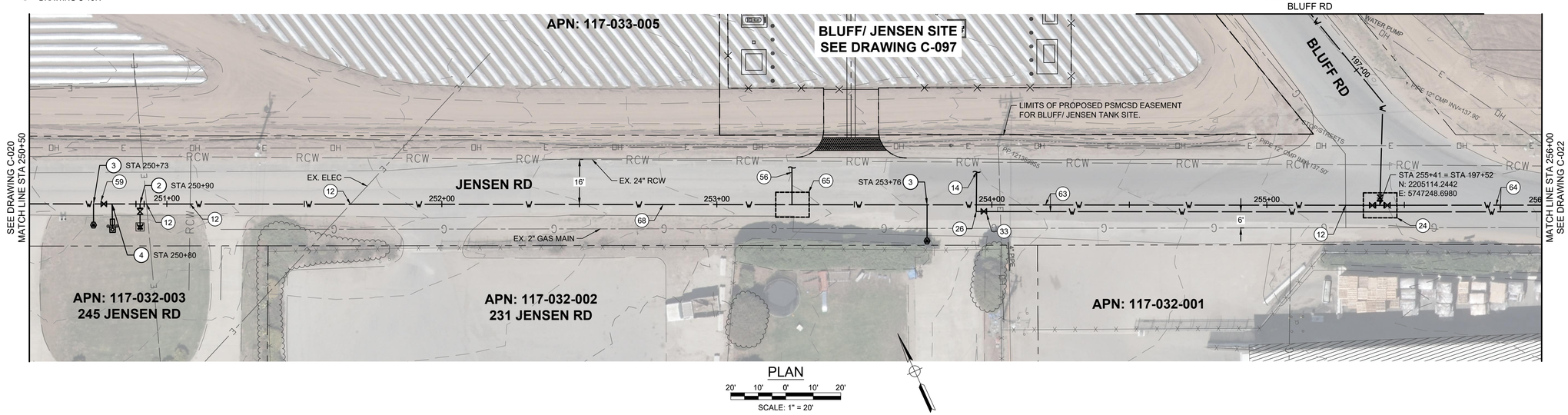
(56) INSTALL 10" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE A, DRAWING C-107.

(59) INSTALL 6" LINE GATE VALVE (FLG x MJ) PER STANDARD PLAN NO. 3-07.01.

(63) INSTALL 10" PVC C900 DR 18 DISTRIBUTION WATER MAIN AND 6" PVC C900 DR 18 TRANSMISSION WATER MAIN IN DUAL TRENCH PER DETAIL 1, CASE G, SHEET C-107.

(64) INSTALL 8" PVC C900 DR 18 DISTRIBUTION WATER MAIN AND 6" PVC C900 DR 18 TRANSMISSION WATER MAIN IN DUAL TRENCH PER DETAIL 1, CASE G, SHEET C-107.

(65) CONNECT TO BLUFF/ JENSEN SITE. CONNECTION DETAIL PER DETAIL 4, DRAWING C-077.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

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

REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

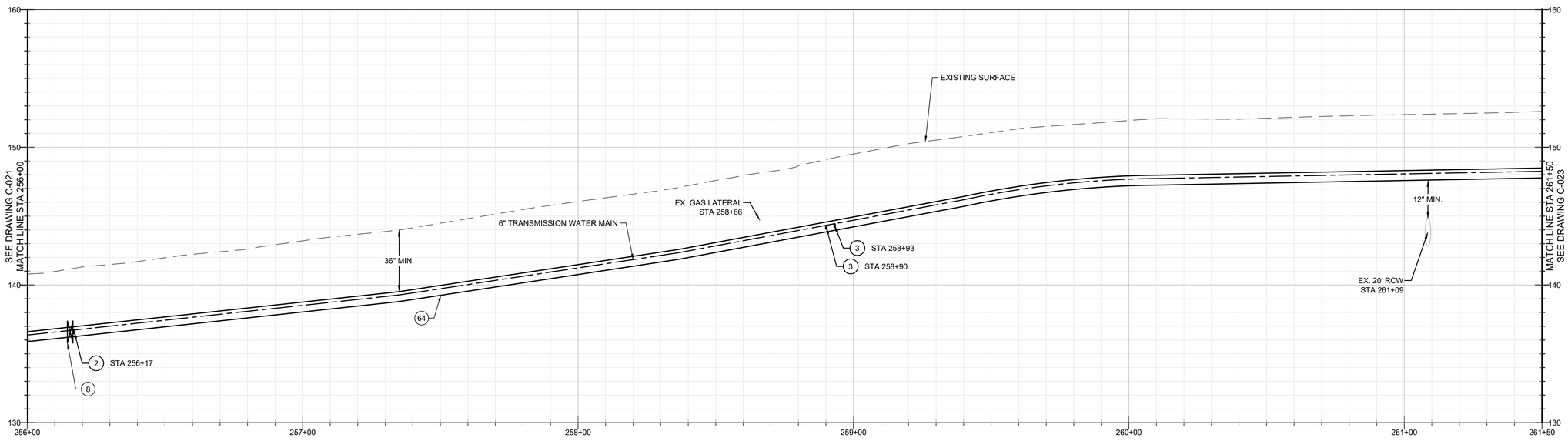
JENSEN ROAD DUAL PIPELINE PLAN AND PROFILE - STA 250+50 TO STA 256+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-021

SHEET NUMBER
26 OF 158

C:\Bocs\Projects\com - Community Water Consortium_2024\3.30 Form Prp\D Engr_CAD\2 Drawings\Pipeline Plan And Profile - 1.dwg
Wed 21 Jan 26 12:54:21 PM by Hoyt Mallroy



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

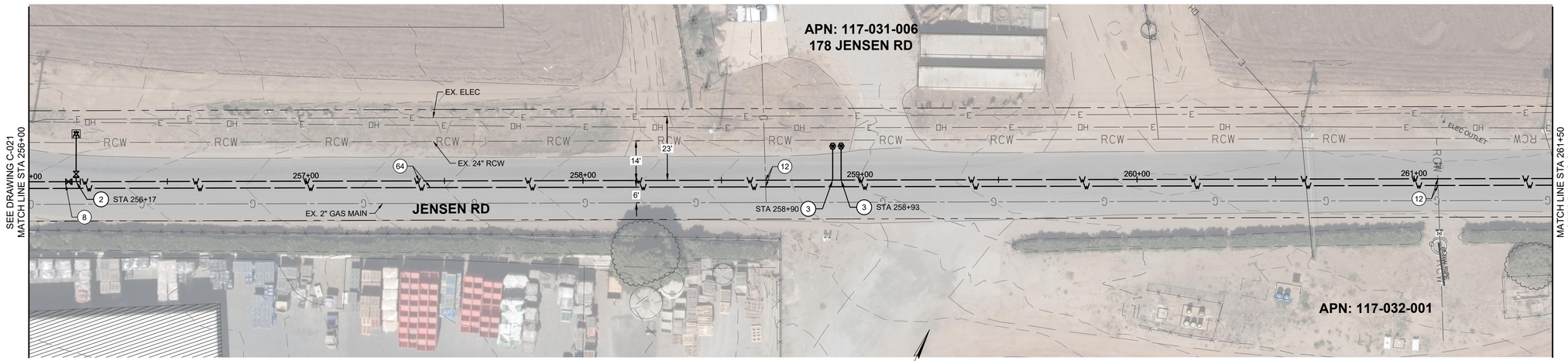
(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(3) INSTALL 1" WATER SERVICE, 3/4" METER, AND METER BOX PER STANDARD PLAN NO. 3-02.03 AND DETAIL 1, CASE F, DRAWING C-107. REFER TO DRAWINGS C-078 THROUGH C-097 FOR PRIVATE LATERAL PLAN.

(8) INSTALL 8" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.

(12) PROTECT UTILITY IN PLACE

(64) INSTALL 8" PVC C900 DR 18 DISTRIBUTION WATER MAIN AND 6" PVC C900 DR 18 TRANSMISSION WATER MAIN IN DUAL TRENCH PER DETAIL 1, CASE G, SHEET C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

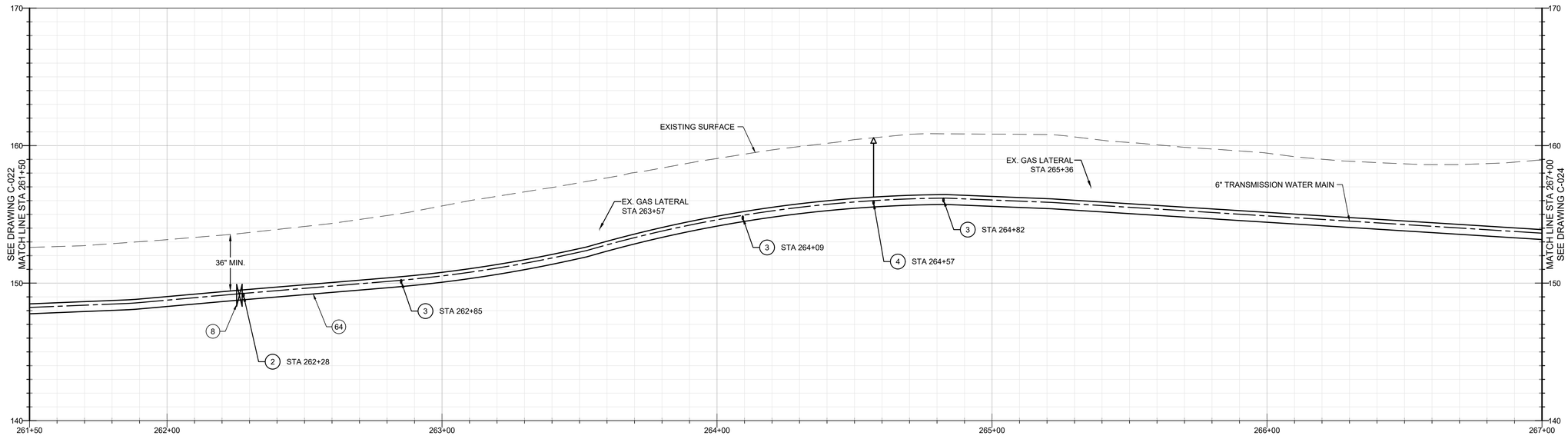
JENSEN ROAD DUAL PIPELINE PLAN AND PROFILE - STA 256+00 TO STA 261+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-022

SHEET NUMBER
27 OF 158

Wed 21 Jan 26 12:43:21 PM by Nicol Mallory
C:\Box\Projects\Active - Community Water Center\Jan 2026\30 Plans\Prod\ Eng\ CAD\ Stormwater Pipeline Plan And Profile - 1.dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

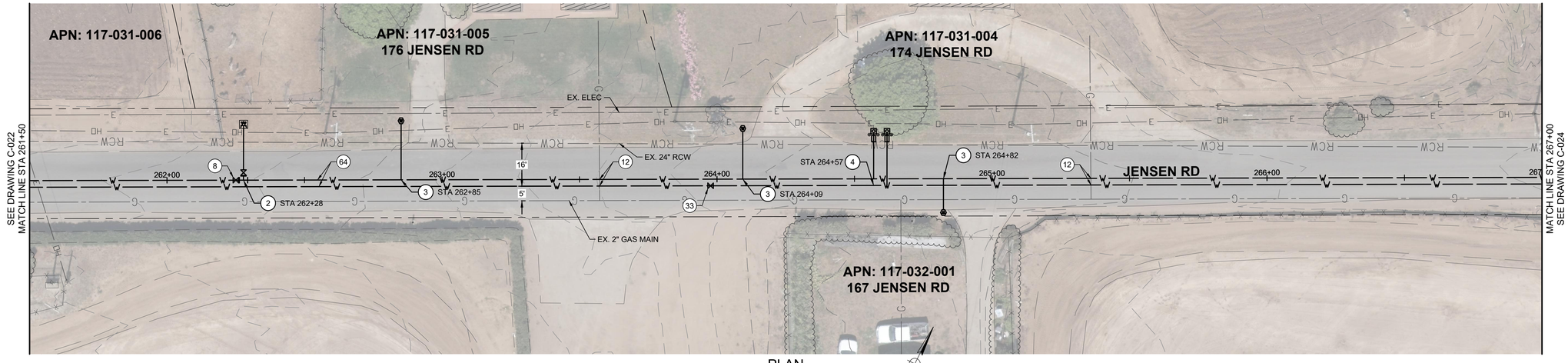
(3) INSTALL 1" WATER SERVICE, 3/4" METER, AND METER BOX PER STANDARD PLAN NO. 3-02.03 AND DETAIL 1, CASE F, DRAWING C-107. REFER TO DRAWINGS C-078 THROUGH C-097 FOR PRIVATE LATERAL PLAN.

(4) INSTALL AIR/VACUUM RELEASE VALVE ASSEMBLY PER STANDARD PLAN NO. 3-11. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(8) INSTALL 8" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.

(12) PROTECT UTILITY IN PLACE

(64) INSTALL 8" PVC C900 DR 18 DISTRIBUTION WATER MAIN AND 6" PVC C900 DR 18 TRANSMISSION WATER MAIN IN DUAL TRENCH PER DETAIL 1, CASE G, SHEET C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

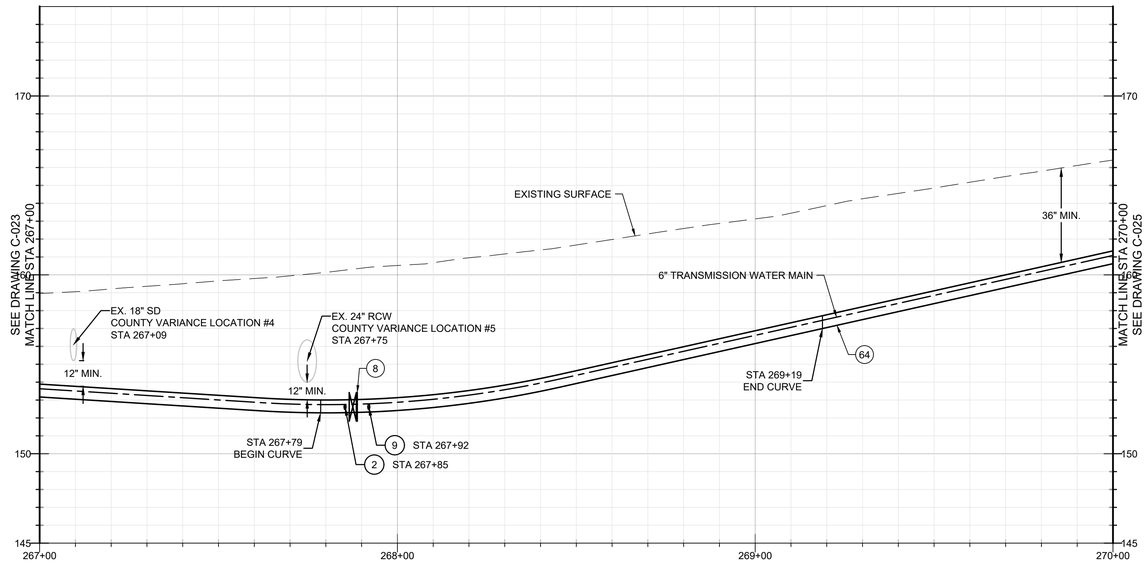
JENSEN ROAD DUAL PIPELINE PLAN AND PROFILE - STA 261+50 TO STA 267+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-023

SHEET NUMBER
28 OF 158

Wed 21 Jan 26 12:24:21 PM by Hope Mahony © BlueProjectsInc - Community Water Center\cwtrc.200476.06 Plans Proj\Eng_C\C23 Dual\Water Pipeline Plan And Profile_1.dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

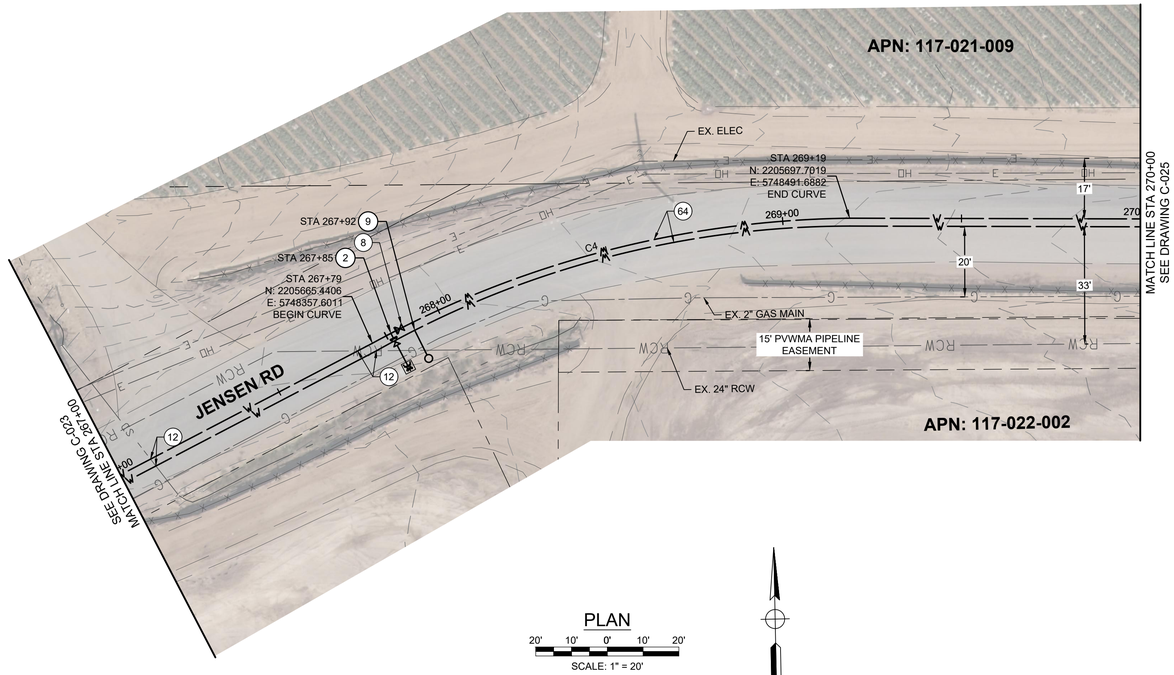
(8) INSTALL 8" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.

(9) INSTALL BLOW-OFF ASSEMBLY PER STANDARD PLAN NO. 3-06. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(12) PROTECT UTILITY IN PLACE

(64) INSTALL 8" PVC C900 DR 18 DISTRIBUTION WATER MAIN AND 6" PVC C900 DR 18 TRANSMISSION WATER MAIN IN DUAL TRENCH PER DETAIL 1, CASE G, SHEET C-107.

CURVE TABLE					
Curve #	RADIUS	LENGTH	DELTA	START POINT (N,E)	END POINT (N,E)
C4	285.42'	139.29'	027.96	(2205665.44, 5748357.60)	(2205697.70, 5748491.69)



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

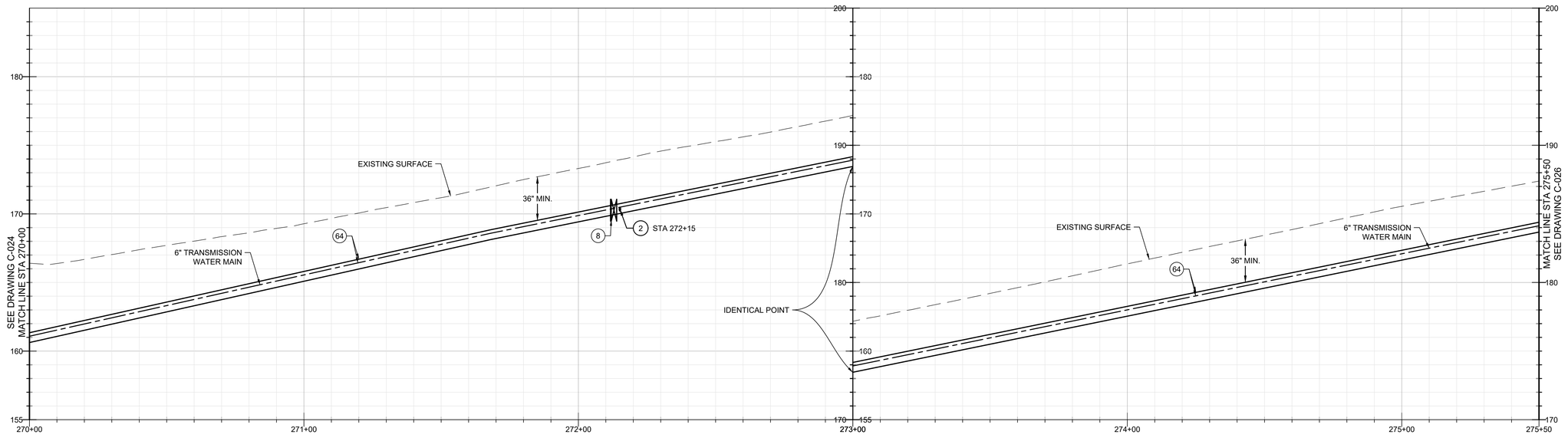
JENSEN ROAD DUAL PIPELINE PLAN AND PROFILE - STA 267+00 TO STA 270+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-024

SHEET NUMBER
29 OF 158

C:\Dev\Projects\Sunny Mesa Community Water Consolidation\200476.05 Pajaro Proj\Eng_CAD\3 Sheets\Water Pipeline Plan And Profile - 3.dwg
Tue 3/03/26 01:09:47 PM by Hope Mahony



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

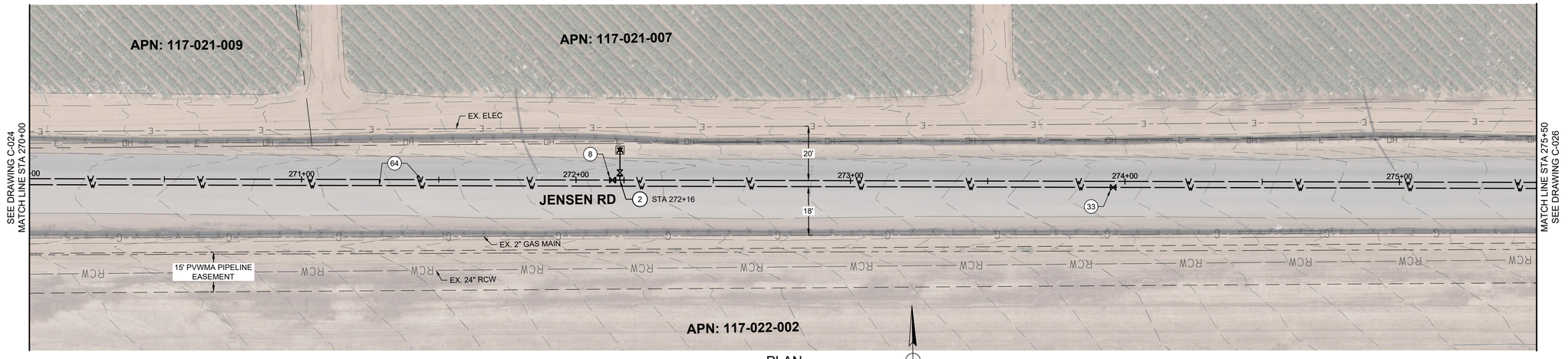
CONSTRUCTION KEY NOTES

(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(8) INSTALL 8" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.

(33) INSTALL 6" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

(64) INSTALL 8" PVC C900 DR 18 DISTRIBUTION WATER MAIN AND 6" PVC C900 DR 18 TRANSMISSION WATER MAIN IN DUAL TRENCH PER DETAIL 1, CASE G, SHEET C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

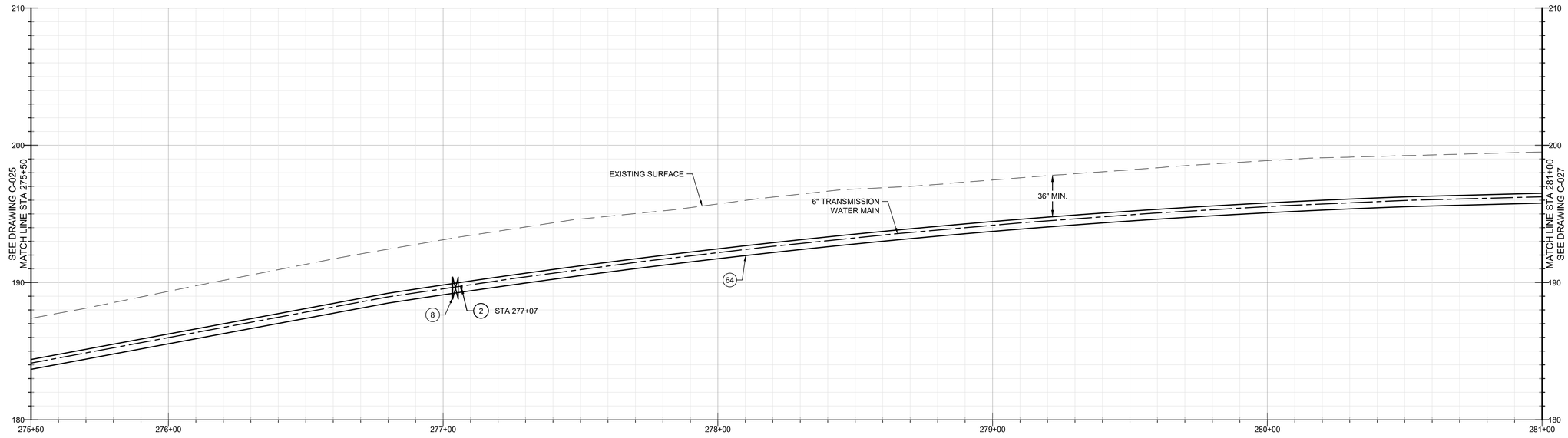
JENSEN ROAD DUAL PIPELINE PLAN AND PROFILE - STA 270+00 TO STA 275+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-025

SHEET NUMBER
30 OF 158

© BlueProjectsteam - Community Water Center\Jobs\200476.05 Pure Proj\Eng_CAD\2 Sheets\Water Pipeline Plan And Profile_1.dwg
Tue 3/24/26 - 01:09:47 PM By: Hope Mahony



PROFILE

20' 0' 20'

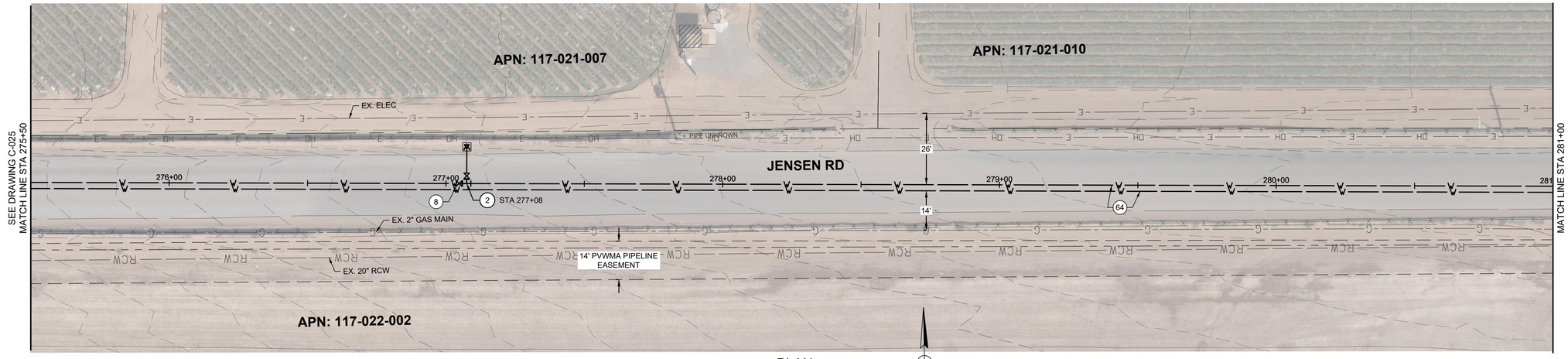
HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(8) INSTALL 8" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.

(64) INSTALL 8" PVC C900 DR 18 DISTRIBUTION WATER MAIN AND 6" PVC C900 DR 18 TRANSMISSION WATER MAIN IN DUAL TRENCH PER DETAIL 1, CASE G, SHEET C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

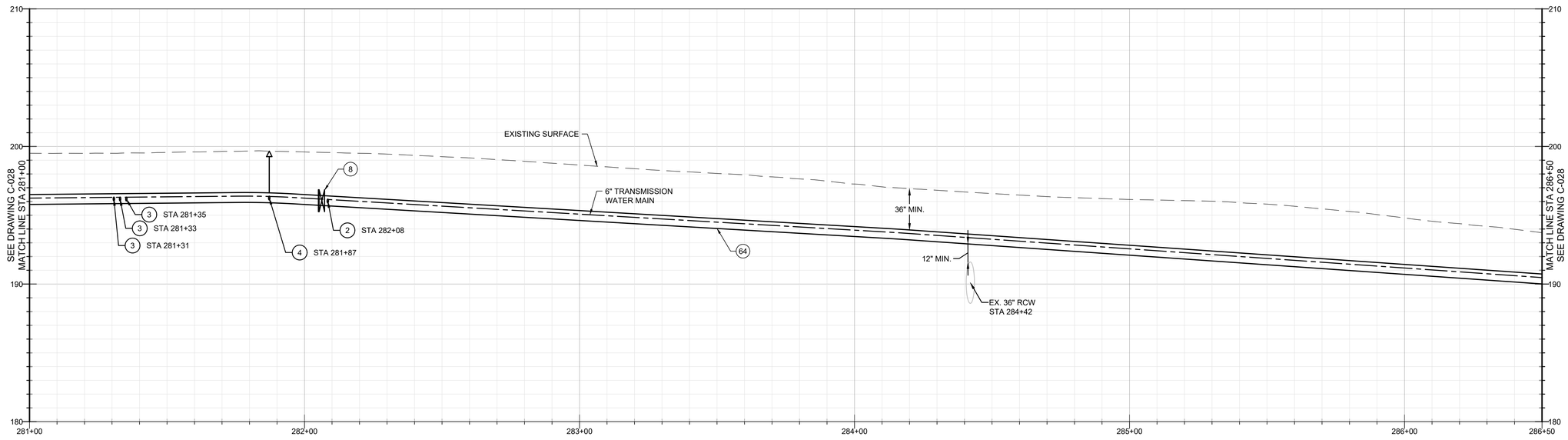
JENSEN ROAD DUAL PIPELINE PLAN AND PROFILE - STA 275+50 TO STA 281+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-026

SHEET NUMBER
31 OF 158

© Mns Projects\cwtrc - Community Water Center\cwtrc.200476.05 Trans Proj\Eng_CAD\2 Drawings\Water Pipeline Plan And Profile_1.dwg
Tue 3/24/26 - 01:09:47 PM By: Hope Mahony



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(3) INSTALL 1" WATER SERVICE, 3/4" METER, AND METER BOX PER STANDARD PLAN NO. 3-02.03 AND DETAIL 1, CASE F, DRAWING C-107. REFER TO DRAWINGS C-078 THROUGH C-097 FOR PRIVATE LATERAL PLAN.

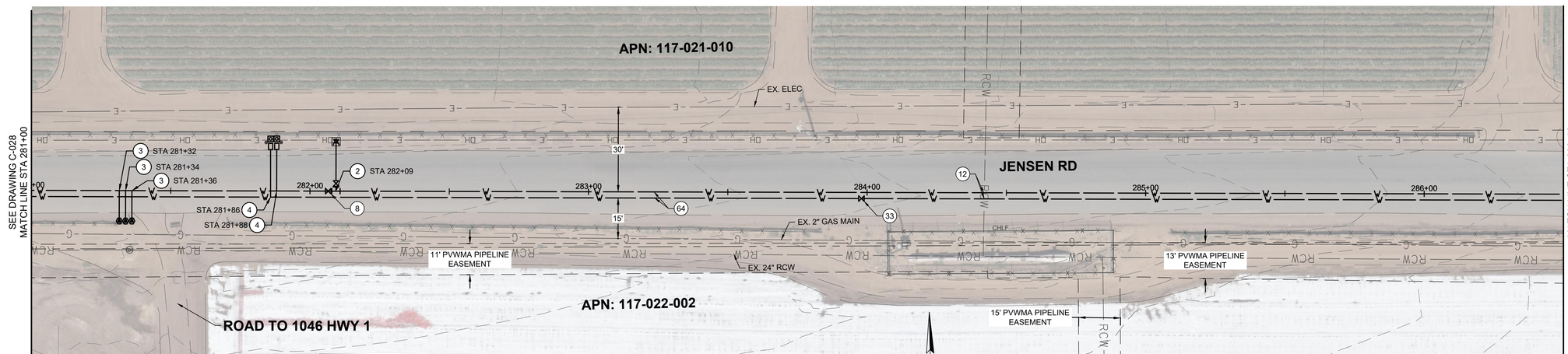
(4) INSTALL AIR/VACUUM RELEASE VALVE ASSEMBLY PER STANDARD PLAN NO. 3-11. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(8) INSTALL 8" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.

(12) PROTECT UTILITY IN PLACE

(33) INSTALL 6" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

(64) INSTALL 8" PVC C900 DR 18 DISTRIBUTION WATER MAIN AND 6" PVC C900 DR 18 TRANSMISSION WATER MAIN IN DUAL TRENCH PER DETAIL 1, CASE G, SHEET C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

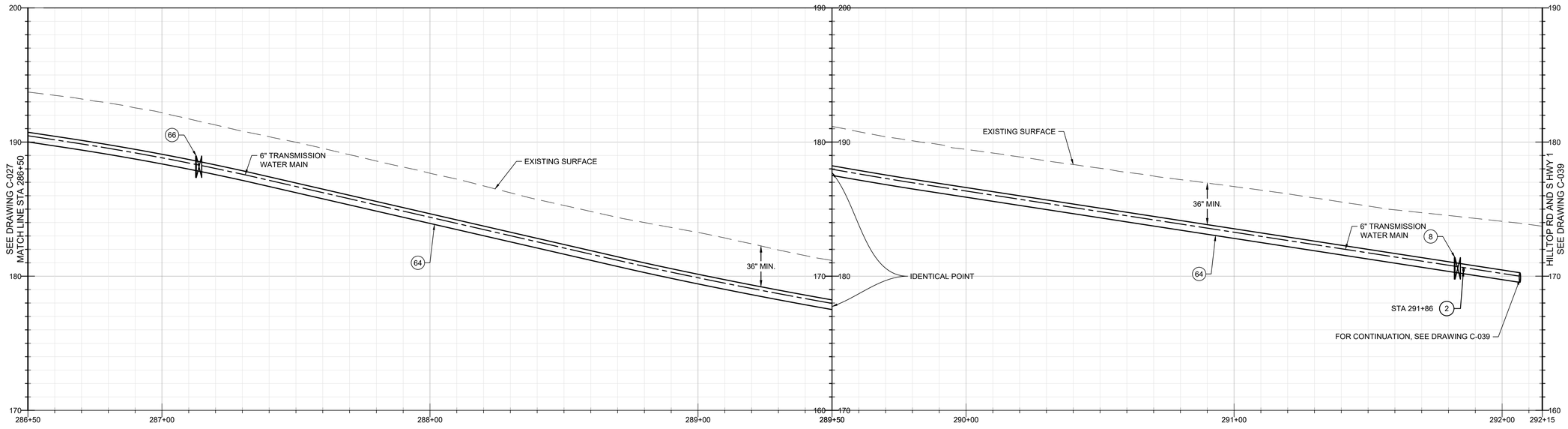
JENSEN ROAD DUAL PIPELINE PLAN AND PROFILE - STA 281+00 TO STA 286+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-027

SHEET NUMBER
32 OF 158

Tue, 30 Dec 25 07:59:17 PM by Paige Mahony C:\Box\Projects\Active - Community Water Conservancy\200476.05 Pano Proj\Eng_CAD\2 Streets\Water Pipeline Plan And Profile - Dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

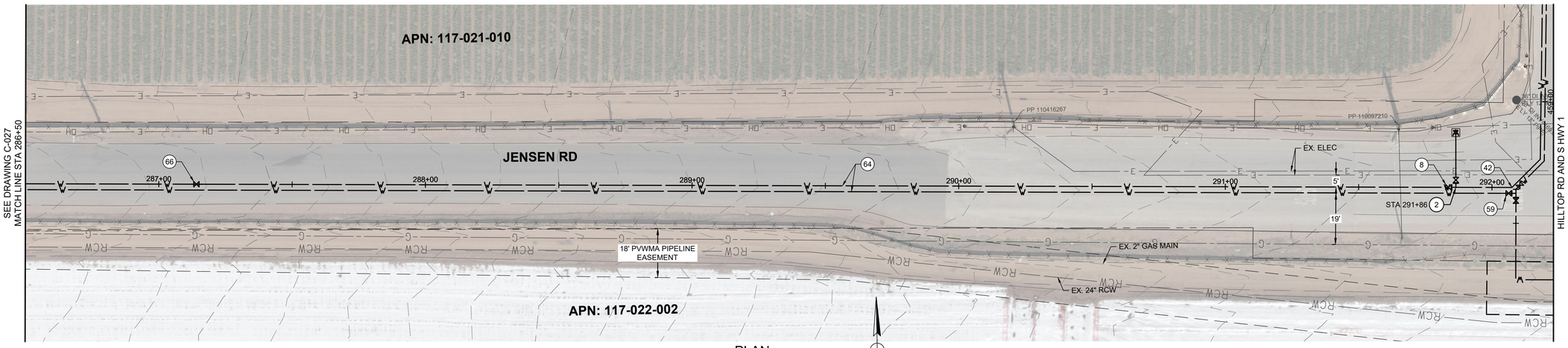
(8) INSTALL 8" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.

(42) INSTALL 8" 45-DEGREE D.I. FITTING (MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(59) INSTALL 6" LINE GATE VALVE (FLG x MJ) PER STANDARD PLAN NO. 3-07.01.

(64) INSTALL 8" PVC C900 DR 18 DISTRIBUTION WATER MAIN AND 6" PVC C900 DR 18 TRANSMISSION WATER MAIN IN DUAL TRENCH PER DETAIL 1, CASE G, SHEET C-107.

(66) INSTALL 8" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

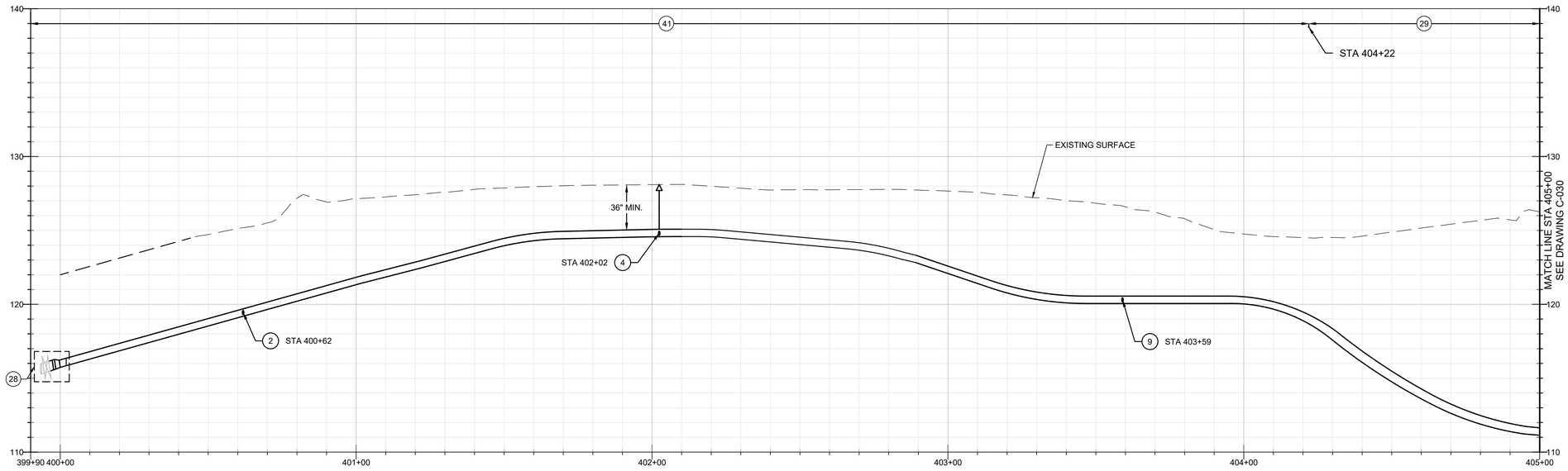
JENSEN ROAD DUAL PIPELINE PLAN AND PROFILE - STA 286+50 TO STA 292+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-028

SHEET NUMBER
33 OF 158

© Blue Progressions, Community Water Center\projects\200476.05 Pana Proj\Eng_CAD\2 Sheets\Water Pipeline Plan And Profile - 3.dwg
Tue, 3/25/25 01:09:47 PM by Hope Mallory



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(4) INSTALL AIR/VACUUM RELEASE VALVE ASSEMBLY PER STANDARD PLAN NO. 3-11. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(9) INSTALL BLOW-OFF ASSEMBLY PER STANDARD PLAN NO. 3-06. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(19) INSTALL 6" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.

(23) INSTALL 6" 45-DEGREE D.I. FITTING (MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(28) CONNECT TO FUTURE SPRINGFIELD SYSTEM. CONNECTION DETAIL PER DETAIL 5, DRAWING C-077.

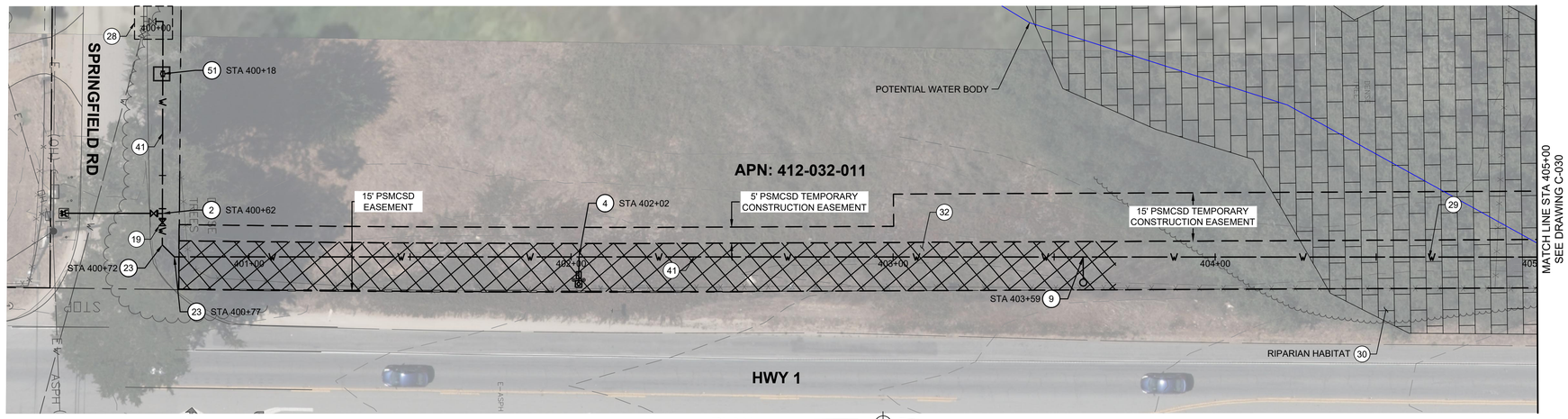
(29) INSTALL 6" FUSIBLE PVC OR HDPE USING TRENCHLESS CONSTRUCTION THROUGH ENVIRONMENTALLY SENSITIVE AREA.

(30) ESA-RIPARIAN HABITAT, COMPLY WITH ENVIRONMENTAL PROTECTION REQUIREMENTS.

(32) APPLY HYDROSSEDING TO DISTURBED AREAS THAT ARE UNDEVELOPED FOLLOWING BACKFILLING.

(41) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE A, DRAWING C-107.

(51) INSTALL VAULT PER DETAIL 1, DRAWING C-108.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

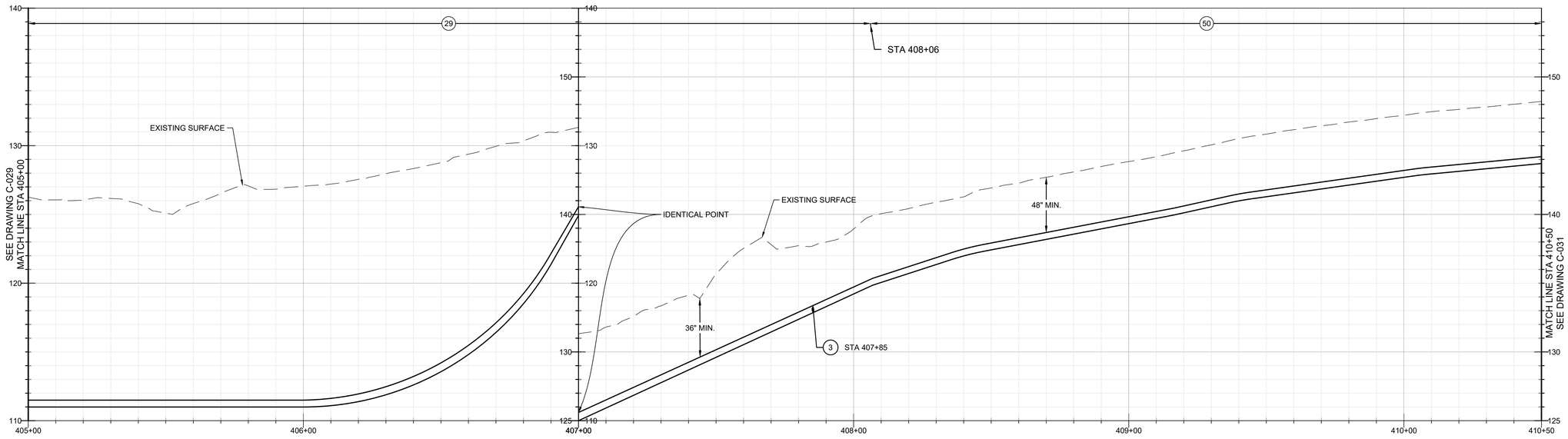
JENSEN-SPRINGFIELD INTERTIE PIPELINE PLAN AND PROFILE - STA 400+00 TO STA 405+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-029

SHEET NUMBER
34 OF 158

C:\Box\Projects\CWTRC - Community Water Center\CWTRC.200476.05 PSMCSD Proj\Eng_CAD\2 Base\Intertie Profile Plan And Profile - 12.dwg
Thu 13 Mar 26 03:34:24 PM By: Kiley Dingle



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

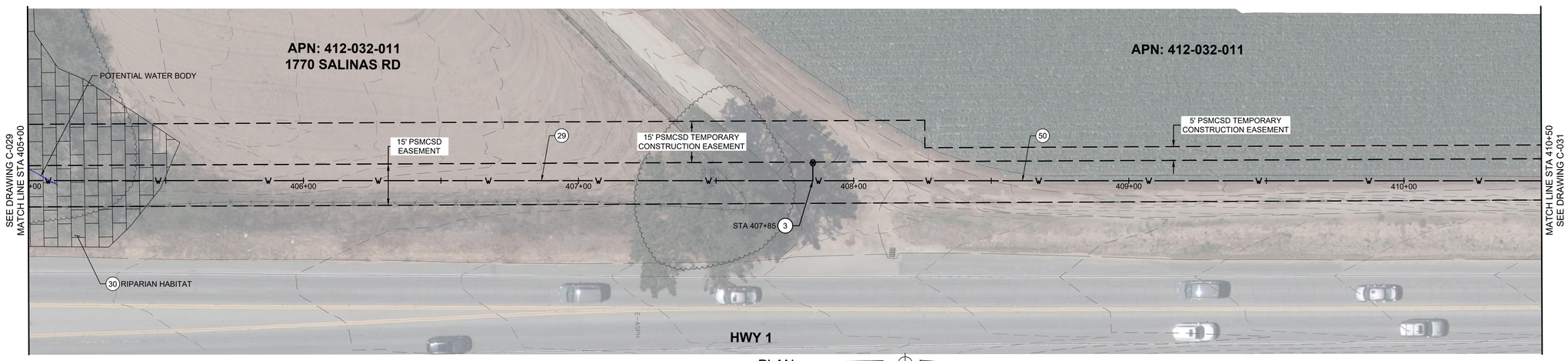
CONSTRUCTION KEY NOTES

(3) INSTALL 1" WATER SERVICE, 3/4" METER, AND METER BOX PER STANDARD PLAN NO. 3-02.03 AND DETAIL 1, CASE F, DRAWING C-107. REFER TO DRAWINGS C-078 THROUGH C-097 FOR PRIVATE LATERAL PLAN.

(29) INSTALL 6" FUSIBLE PVC OR HDPE USING TRENCHLESS CONSTRUCTION THROUGH ENVIRONMENTALLY SENSITIVE AREA.

(30) ESA-RIPARIAN HABITAT, COMPLY WITH ENVIRONMENTAL PROTECTION REQUIREMENTS.

(50) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE B, DRAWING C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

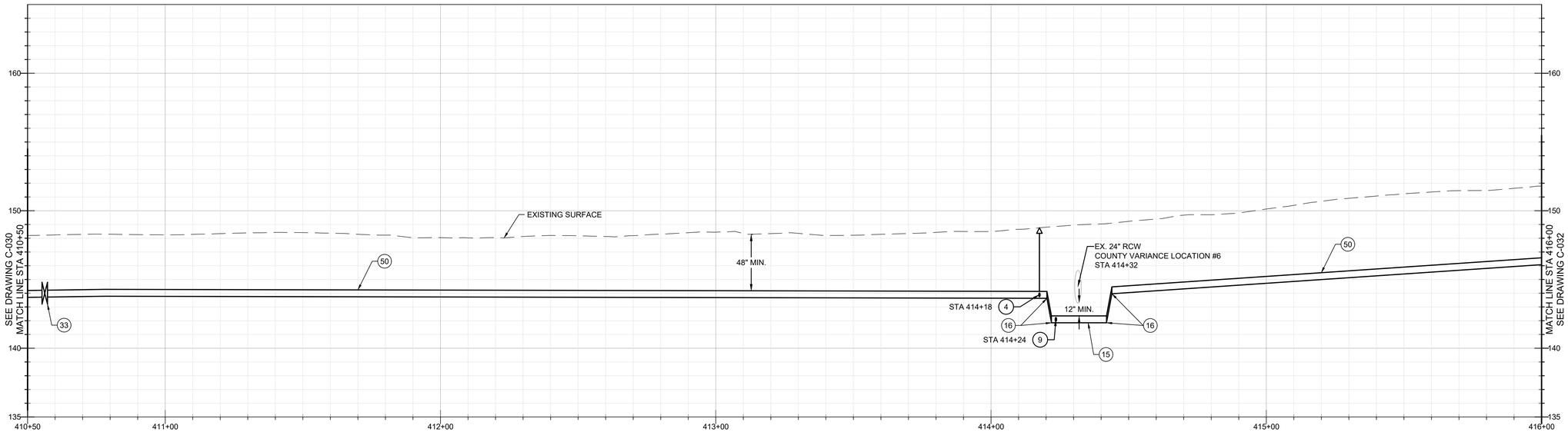
JENSEN-SPRINGFIELD INTERTIE PIPELINE PLAN AND PROFILE - STA 405+00 TO STA 410+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-030

SHEET NUMBER
35 OF 158

Th, 12 Jun 25 13:24:24 Pd by Joby Dorge
C:\Dev\Projects\CWTRC - Community Water Center\CWTRC.200476.05 PSMCSD Proj\Eng_CADD Drawings\Main Pipeline Plan And Profile - 12.dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(4) INSTALL AIR/VACUUM RELEASE VALVE ASSEMBLY PER STANDARD PLAN NO. 3-11. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(9) INSTALL BLOW-OFF ASSEMBLY PER STANDARD PLAN NO. 3-06. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

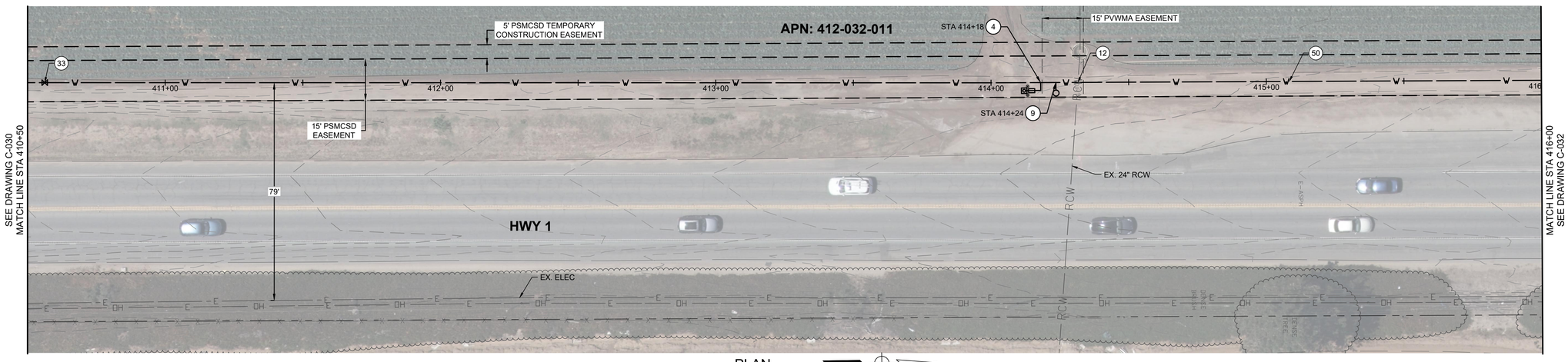
(12) PROTECT UTILITY IN PLACE

(15) INSTALL 6" PVC C900 DR 14 PER DETAIL 1, CASE C, DRAWING C-107. CENTER A 20' MINIMUM LENGTH OF PIPE. NO JOINTS PERMITTED WITHIN 8' OF UTILITY CROSSING.

(16) INSTALL 6" 45-DEGREE D.I. VERTICAL FITTING (MJ) WITH JOINT RESTRAINTS FOR CROSSING UNDER EXISTING UTILITY. PROVIDE THRUST BLOCKS PER STANDARD PLAN 3-08.01.

(33) INSTALL 6" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

(50) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE B, DRAWING C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

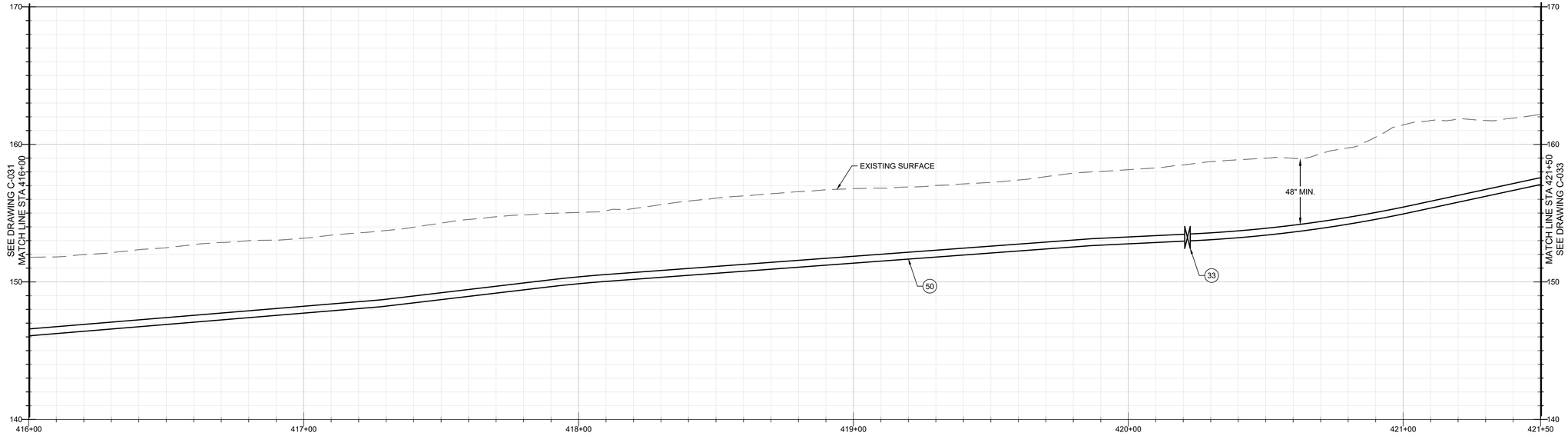
JENSEN-SPRINGFIELD INTERTIE PIPELINE PLAN AND PROFILE - STA 410+50 TO STA 416+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-031

SHEET NUMBER
36 OF 158

© BlueProjectsInc - Community Water Center\Jobs\2004\38 Point Pinos\Eng_CAD\2 Sheets\Water Pipeline Plan And Profile - 11.dwg
Tue 27 Jan 26 03:26:15 PM by Hope Mahony



PROFILE

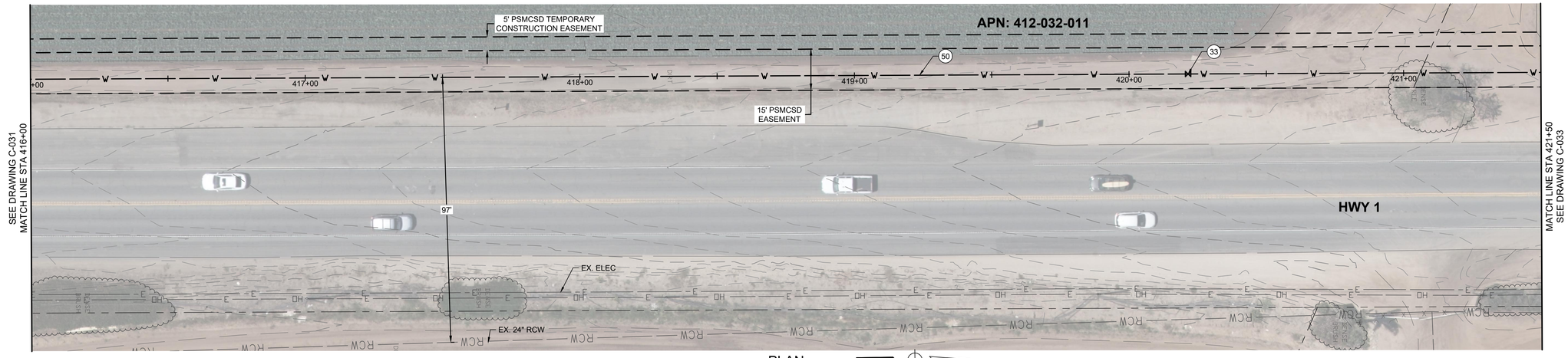
20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(33) INSTALL 6" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

(50) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE B, DRAWING C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

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

REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

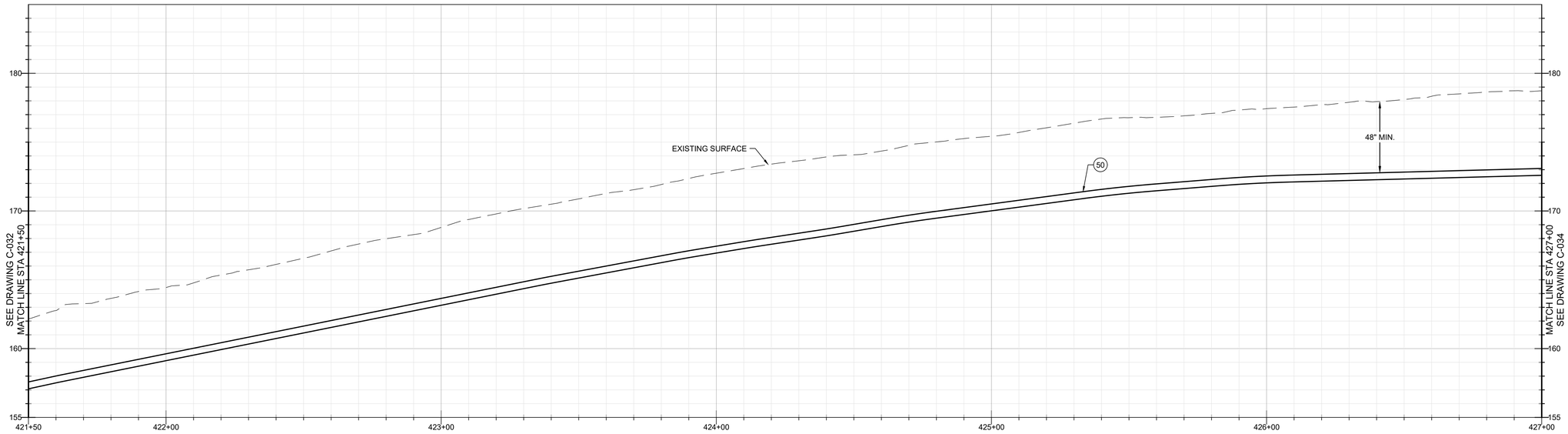
JENSEN-SPRINGFIELD INTERTIE PIPELINE PLAN AND PROFILE - STA 416+00 TO STA 421+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-032

SHEET NUMBER
37 OF 158

© BluePrintSystems - Community Water Constructions 2025\5.6\Trans Proj\Eng_CAD\ Sheets\Water Pipeline Plan And Profile - 11.dwg
Wed 21-Jan-26 04:29:09 PM by Hope Mallory



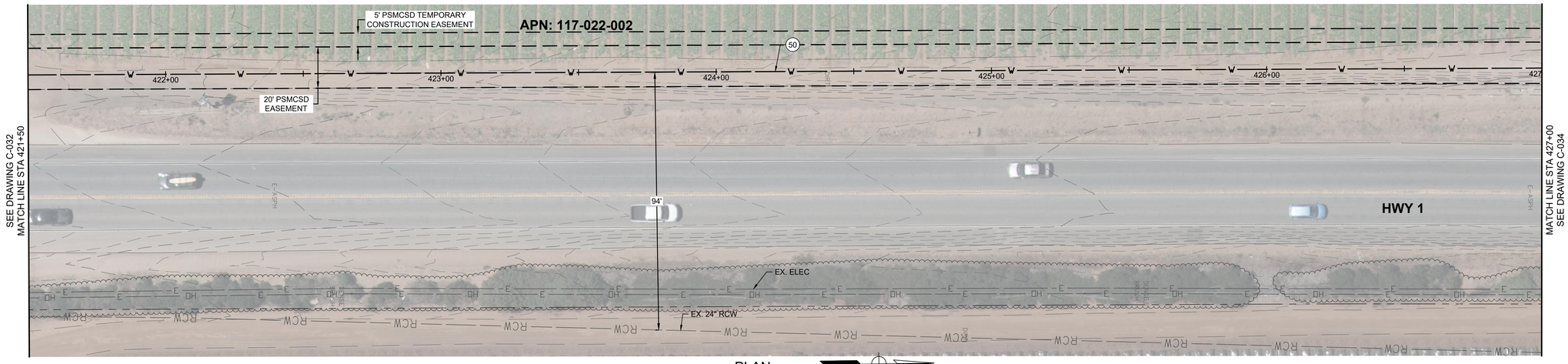
PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(50) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE B, DRAWING C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

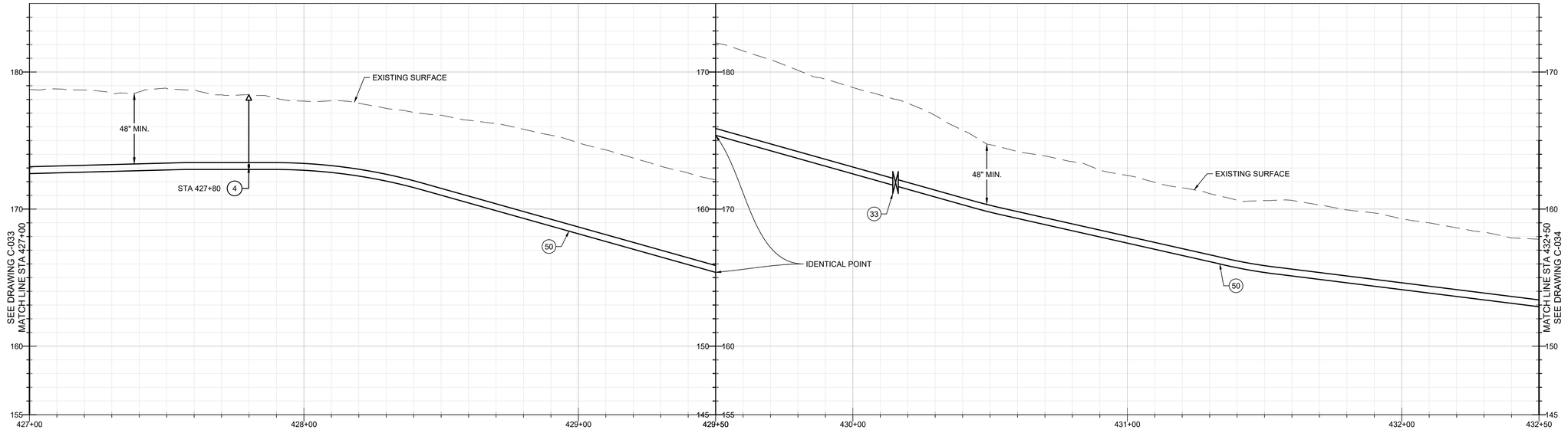
JENSEN-SPRINGFIELD INTERTIE PIPELINE PLAN AND PROFILE - STA 421+50 TO STA 427+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-033

SHEET NUMBER
38 OF 158

Wed 21-Jan-26 04:29:09 PM by Hope Mallamy
C:\Box\Projects\Community Water Corp\Jacobs\200476.05 Intrie Proj\Eng_CAD\ Sheets\Water Pipeline Plan And Profile - 11.dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

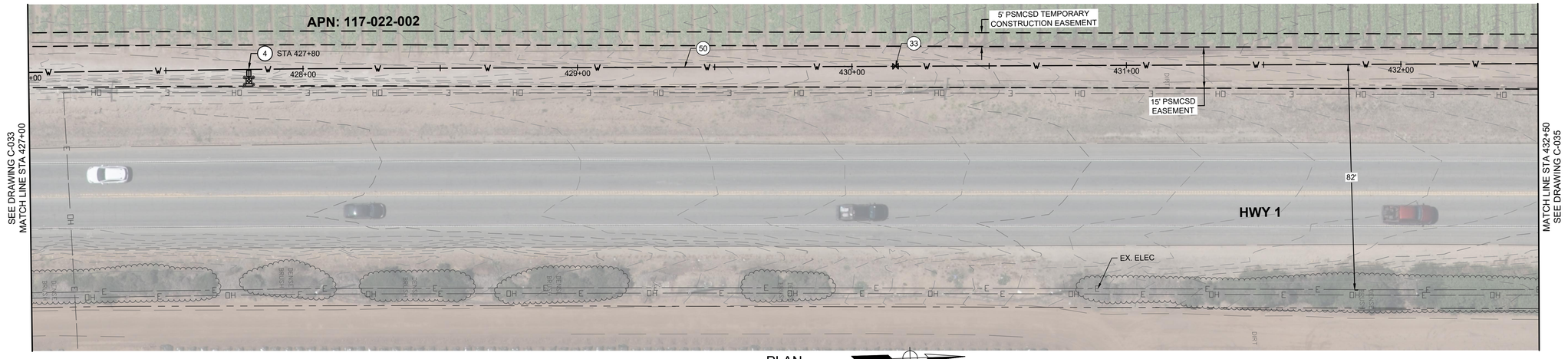
(4) INSTALL AIR/VACUUM RELEASE VALVE ASSEMBLY PER STANDARD PLAN NO. 3-11. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(33) INSTALL 6" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

(50) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE B, DRAWING C-107.

GENERAL NOTE

1. EXISTING PG&E EASEMENT PARTIALLY OVERLAPS PSMCSD EASEMENT. LIMITS OF THIS EASEMENT ARE DEFINED BASED ON THE LOCATION OF THE EXISTING FACILITIES. EASEMENT BOUNDARIES ARE NOT SHOWN.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

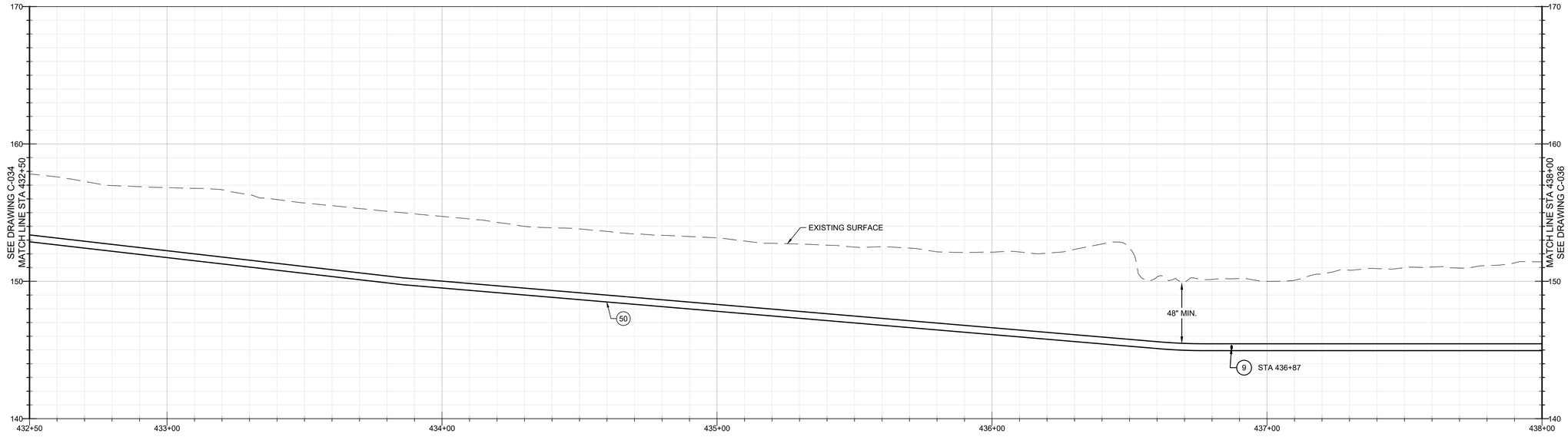
JENSEN-SPRINGFIELD INTERTIE PIPELINE PLAN AND PROFILE - STA 427+00 TO STA 432+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-034

SHEET NUMBER
39 OF 158

Wed 21 Jan 26 24:24:09 PM by Hope Mallroy
C:\Box\Projects\com - Community Water Consortium\200476.06 Phase Proj\2 Eng_CAD\2 Base\Intertie Profile Plan And Profile_13.dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

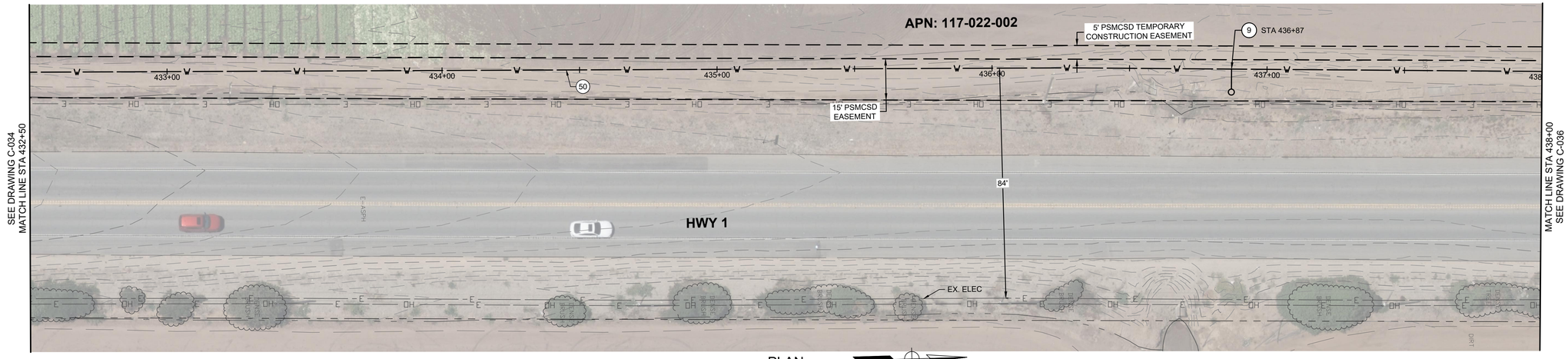
CONSTRUCTION KEY NOTES

(9) INSTALL BLOW-OFF ASSEMBLY PER STANDARD PLAN NO. 3-06. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(50) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE B, DRAWING C-107.

GENERAL NOTE

1. EXISTING PG&E EASEMENT PARTIALLY OVERLAPS PSMCSD EASEMENT. LIMITS OF THIS EASEMENT ARE DEFINED BASED ON THE LOCATION OF THE EXISTING FACILITIES. EASEMENT BOUNDARIES ARE NOT SHOWN.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

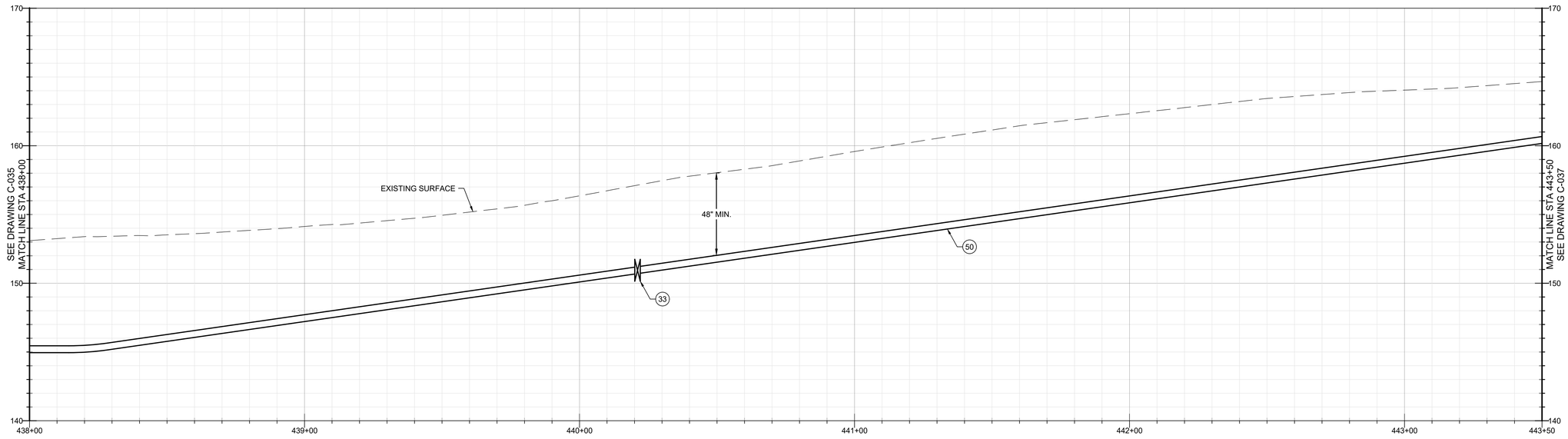
JENSEN-SPRINGFIELD INTERTIE PIPELINE PLAN AND PROFILE - STA 432+50 TO STA 438+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-035

SHEET NUMBER
40 OF 158

Wed 21-Jan-26 04:29:09 PM by Hope Mallory
C:\Box\Projects\Community Water Consolidation\250725.08 Trans Proj\Eng_CAD\2 Sheets\Water Pipeline Plan And Profile - 11.dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

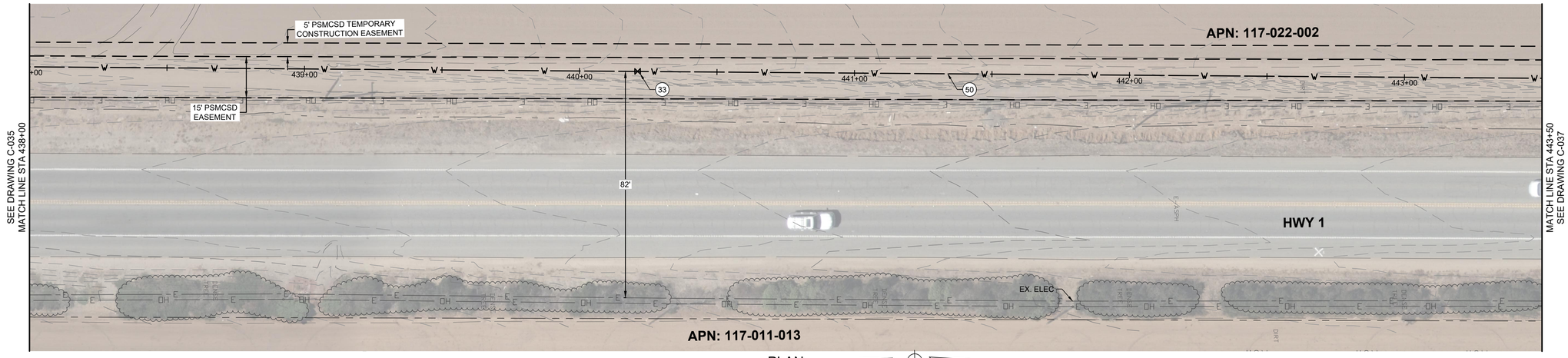
CONSTRUCTION KEY NOTES

(33) INSTALL 6" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

(50) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE B, DRAWING C-107.

GENERAL NOTE

1. EXISTING PG&E EASEMENT PARTIALLY OVERLAPS PSMCSD EASEMENT. LIMITS OF THIS EASEMENT ARE DEFINED BASED ON THE LOCATION OF THE EXISTING FACILITIES. EASEMENT BOUNDARIES ARE NOT SHOWN.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

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

REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

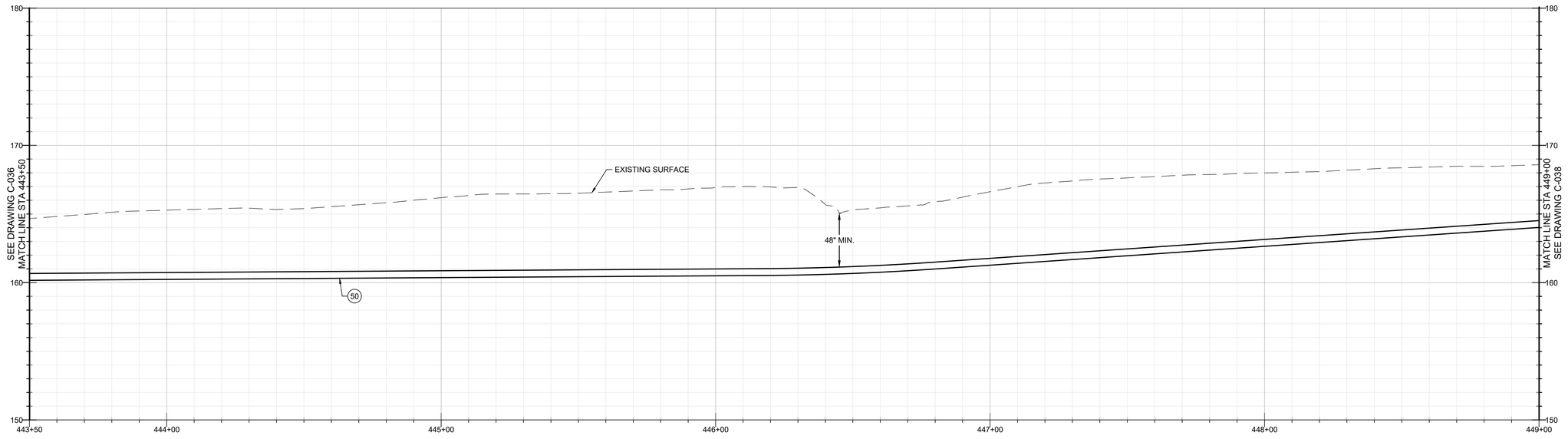
JENSEN-SPRINGFIELD INTERTIE PIPELINE PLAN AND PROFILE - STA 438+00 TO STA 443+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-036

SHEET NUMBER
41 OF 158

Wed 21 Jan 26 04:29:02 PM by Hope Mallory
C:\Box\Projects\Pajaro Community Water Consolidation\200476.05 Phase Prep\Eng_CAD\Sheets\Water Pipeline Plan And Profile - 11x17.dwg



PROFILE

20' 0' 20'

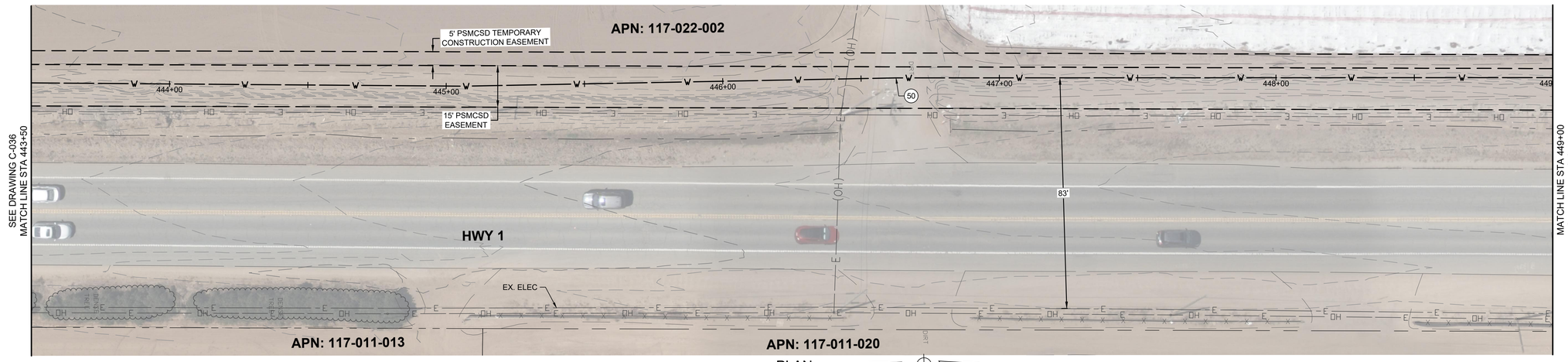
HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(50) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE B, DRAWING C-107.

GENERAL NOTE

1. EXISTING PG&E EASEMENT PARTIALLY OVERLAPS PSMCSD EASEMENT. LIMITS OF THIS EASEMENT ARE DEFINED BASED ON THE LOCATION OF THE EXISTING FACILITIES. EASEMENT BOUNDARIES ARE NOT SHOWN.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

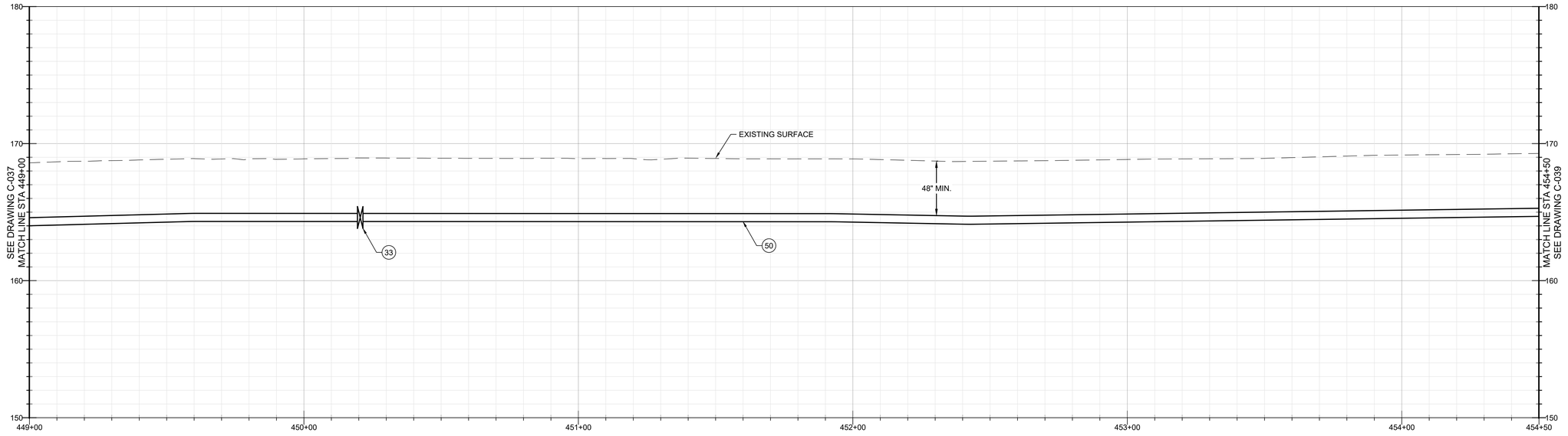
JENSEN-SPRINGFIELD INTERTIE DUAL PIPELINE
PLAN AND PROFILE - STA 443+50 TO STA 449+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-037

SHEET NUMBER
42 OF 158

© BluePrintSystems - Community Water Constructors 2025\5.8 Fence Proj\5 Eng_CAD\3 Sheets\Water Pipeline Plan And Profile - 1.dwg
Wed 21-Jan-26 04:29:02 PM by Hope Mallory



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

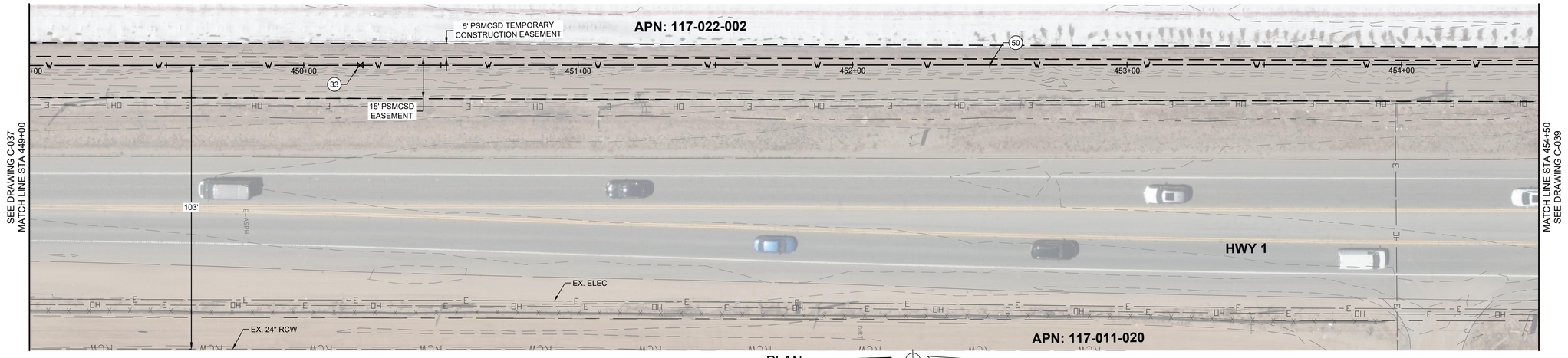
CONSTRUCTION KEY NOTES

(33) INSTALL 6" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

(50) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE B, DRAWING C-107.

GENERAL NOTE

1. EXISTING PG&E EASEMENT PARTIALLY OVERLAPS PSMCSD EASEMENT. LIMITS OF THIS EASEMENT ARE DEFINED BASED ON THE LOCATION OF THE EXISTING FACILITIES. EASEMENT BOUNDARIES ARE NOT SHOWN.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

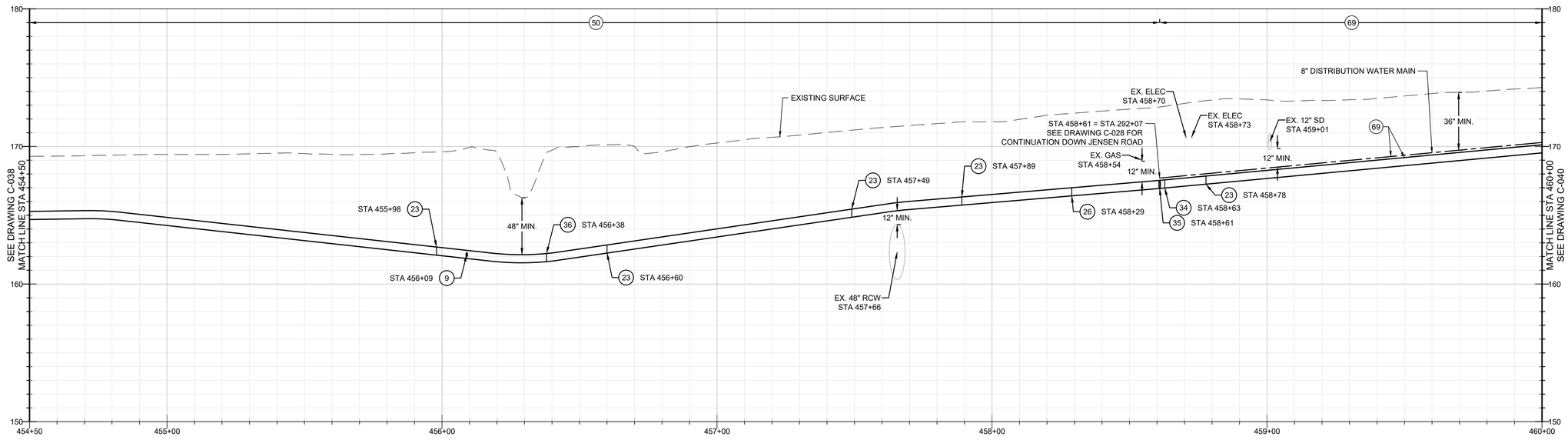
JENSEN-SPRINGFIELD INTERTIE DUAL PIPELINE
PLAN AND PROFILE - STA 449+00 TO STA 454+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-038

SHEET NUMBER
43 OF 158

© BluePrintSystems - Community Water Center\cwtrc\200476.05 Trans Proj\Eng_CAD\ Sheet\Water Pipeline Plan And Profile - 11.dwg
Wed 21-Jan-26 04:29:02 PM by Hope Mallory



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(9) INSTALL BLOW-OFF ASSEMBLY PER STANDARD PLAN NO. 3-06. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(12) PROTECT UTILITY IN PLACE

(23) INSTALL 6" 45-DEGREE D.I. FITTING (MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(26) INSTALL 6" 90-DEGREE D.I. FITTING (MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(34) INSTALL 6" 45-DEGREE D.I. FITTING (FLG) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(35) INSTALL 6" D.I. TEE (FLG x MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(36) INSTALL 6" 22.5-DEGREE D.I. FITTING (MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(42) INSTALL 8" 45-DEGREE D.I. FITTING (MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

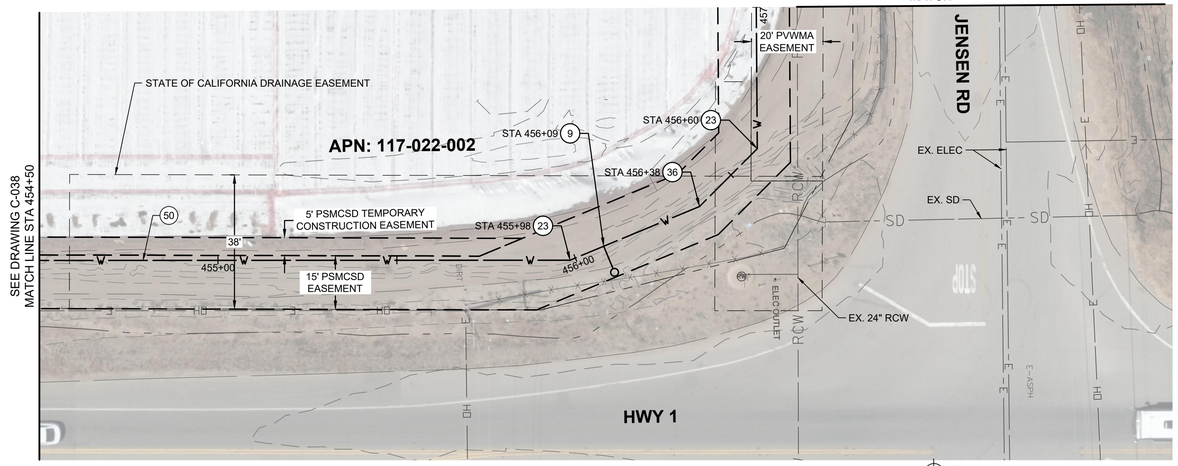
(50) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE B, DRAWING C-107.

(55) REINSTATE STREET STRIPING DISTURBED BY CONSTRUCTION IN KIND, TO MATCH EXISTING CONDITION.

(69) INSTALL 8" PVC C900 DR 18 DISTRIBUTION WATER MAIN AND 6" PVC C900 DR 18 TRANSMISSION WATER MAIN IN DUAL TRENCH PER DETAIL 1, CASE I, SHEET C-107.

GENERAL NOTE

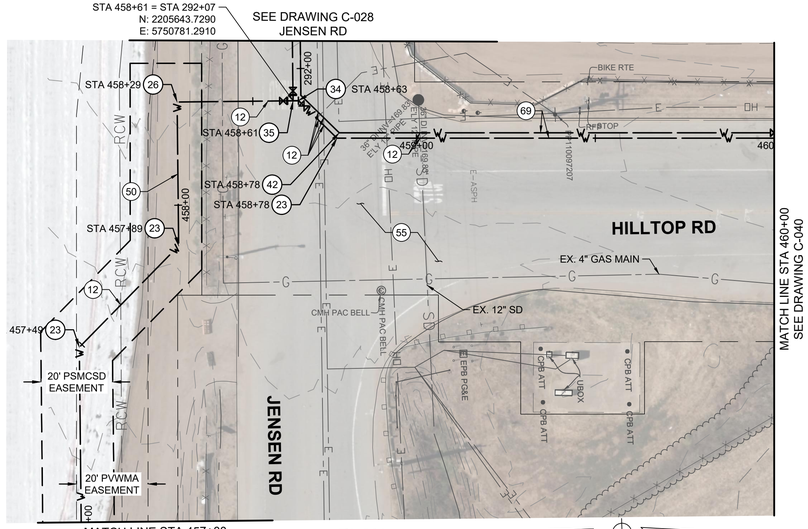
1. EXISTING PG&E EASEMENT PARTIALLY OVERLAPS PSMCSD EASEMENT. LIMITS OF THIS EASEMENT ARE DEFINED BASED ON THE LOCATION OF THE EXISTING FACILITIES. EASEMENT BOUNDARIES ARE NOT SHOWN.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

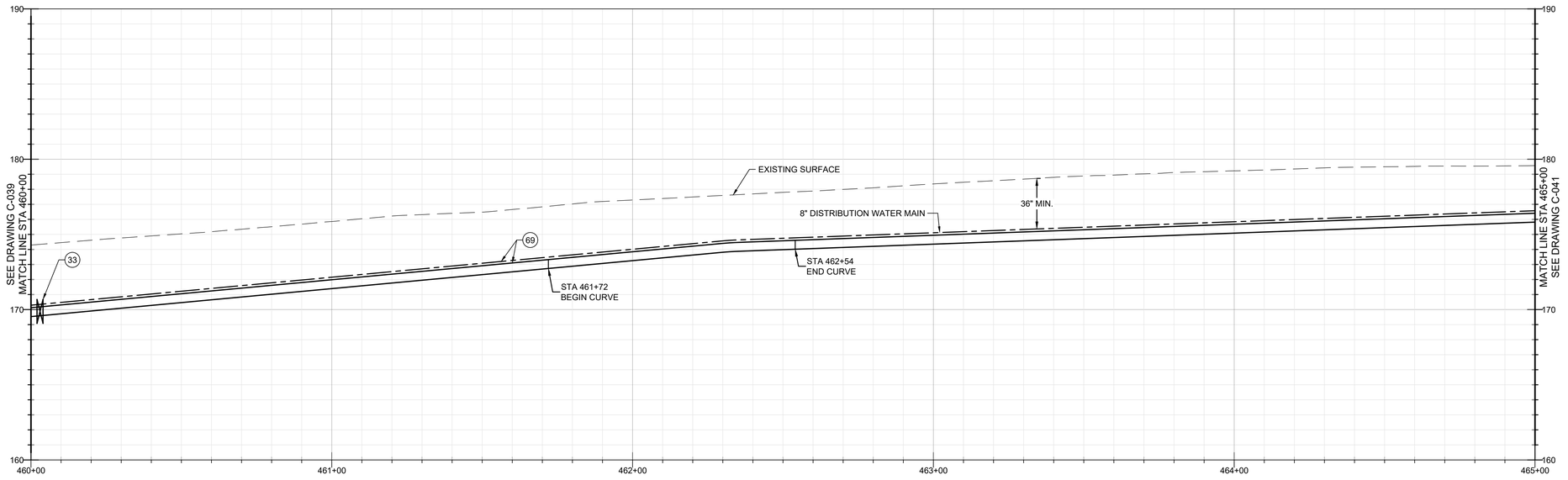
JENSEN-SPRINGFIELD INTERTIE DUAL PIPELINE PLAN AND PROFILE - STA 454+50 TO STA 460+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-039

SHEET NUMBER
44 OF 158

C:\Box\Projects\Active - Community Water Conservation\2004\28 Form Proj\2 Eng_CAD\2 Drawings\Pipeline Plan And Profile - 14.dwg
Wed 21 Jan 26 19:29:12 PM by Hope Mahney



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(33) INSTALL 6" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

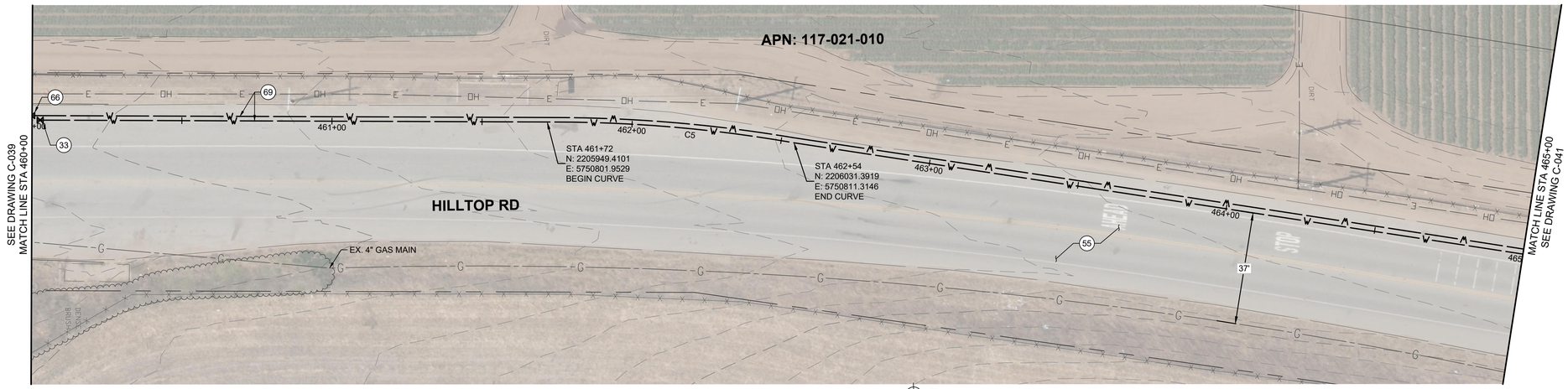
(55) REINSTATE STREET STRIPING DISTURBED BY CONSTRUCTION IN KIND, TO MATCH EXISTING CONDITION.

(66) INSTALL 8" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

(69) INSTALL 8" PVC C900 DR 18 DISTRIBUTION WATER MAIN AND 6" PVC C900 DR 18 TRANSMISSION WATER MAIN IN DUAL TRENCH PER DETAIL 1, CASE I, SHEET C-107.

CURVE TABLE

Curve #	RADIUS	LENGTH	DELTA	START POINT (N,E)	END POINT (N,E)
C5	462.67'	80.73'	010.00	(2205951.30, 5750802.00)	(2206031.39, 5750811.31)



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

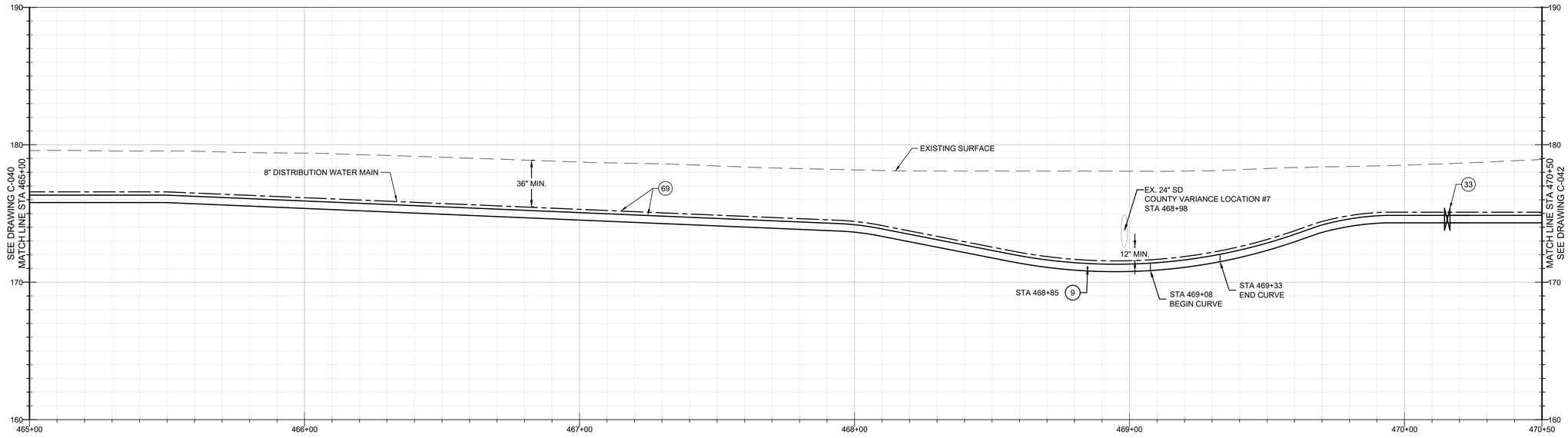
HILLTOP DUAL PIPELINE PLAN AND PROFILE - STA 460+00 TO STA 465+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-040

SHEET NUMBER
45 OF **158**

Wed 21 Jan 26 12:29:53 PM by Hope Mahony
C:\Bluo\Projects\Pajaro - Community Water Consolidation\2024\Civil Plans\Proj Engr_CAD\2 Sheets\Hilltop Pipeline Plan And Profile - 1.dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(9) INSTALL BLOW-OFF ASSEMBLY PER STANDARD PLAN NO. 3-06. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(12) PROTECT UTILITY IN PLACE

(25) INSTALL 6" PVC C900 DR 18 DISTRIBUTION WATER MAIN AND 6" PVC C900 DR 18 TRANSMISSION WATER MAIN IN DUAL TRENCH PER DETAIL 1, CASE E, SHEET C-107.

(33) INSTALL 6" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

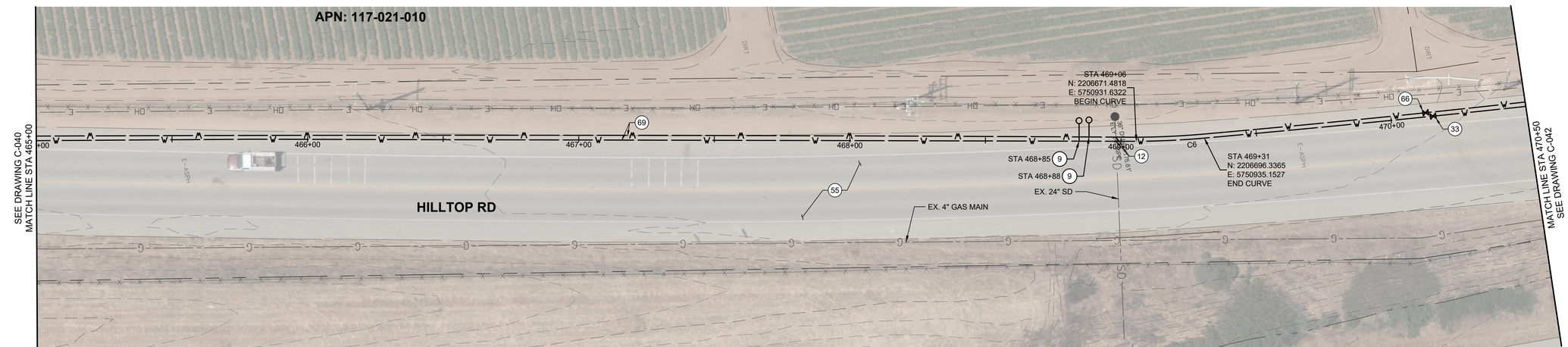
(55) REINSTATE STREET STRIPING DISTURBED BY CONSTRUCTION IN KIND, TO MATCH EXISTING CONDITION.

(66) INSTALL 8" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

(69) INSTALL 8" PVC C900 DR 18 DISTRIBUTION WATER MAIN AND 6" PVC C900 DR 18 TRANSMISSION WATER MAIN IN DUAL TRENCH PER DETAIL 1, CASE I, SHEET C-107.

CURVE TABLE

Curve #	RADIUS	LENGTH	DELTA	START POINT (N,E)	END POINT (N,E)
C6	300.00'	25.11'	004.80	(2206671.48, 5750931.63)	(2206696.34, 5750935.15)



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

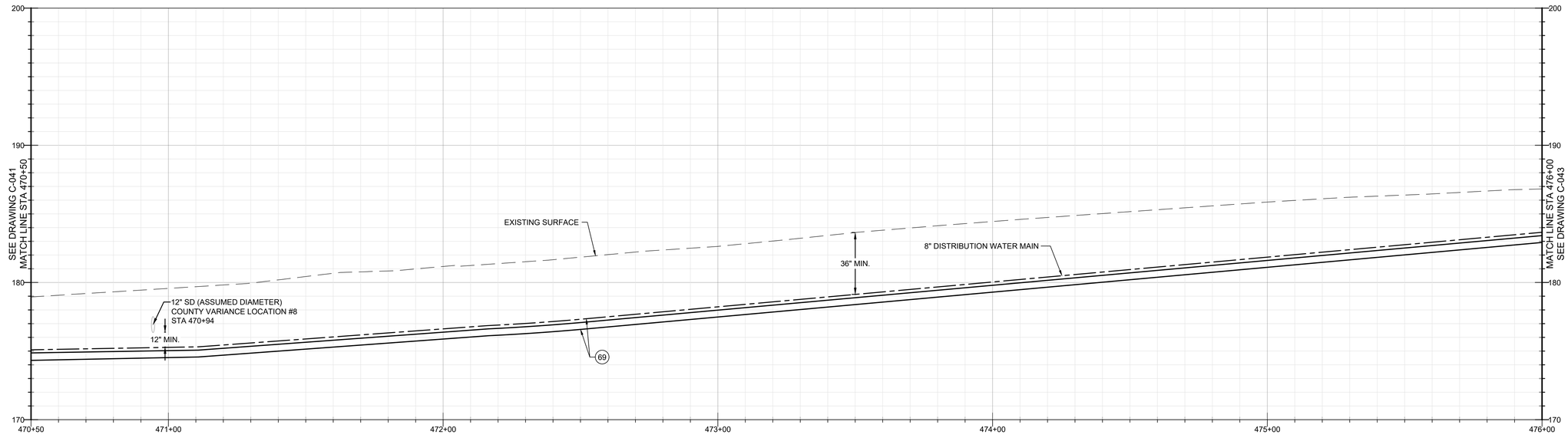
HILLTOP ROAD DUAL PIPELINE PLAN AND PROFILE - STA 465+00 TO STA 470+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-041

SHEET NUMBER
46 OF **158**

Thu,22-Jan-26 - 11:49:54 AM By: Ross Mahony
C:\Bus\Projects\4c - Community Water Conservancy\2024\30 Plans Proj\Eng_CAD\2 Streamliner Pipeline Plan And Profile - 1.Dwg



PROFILE

20' 0' 20'

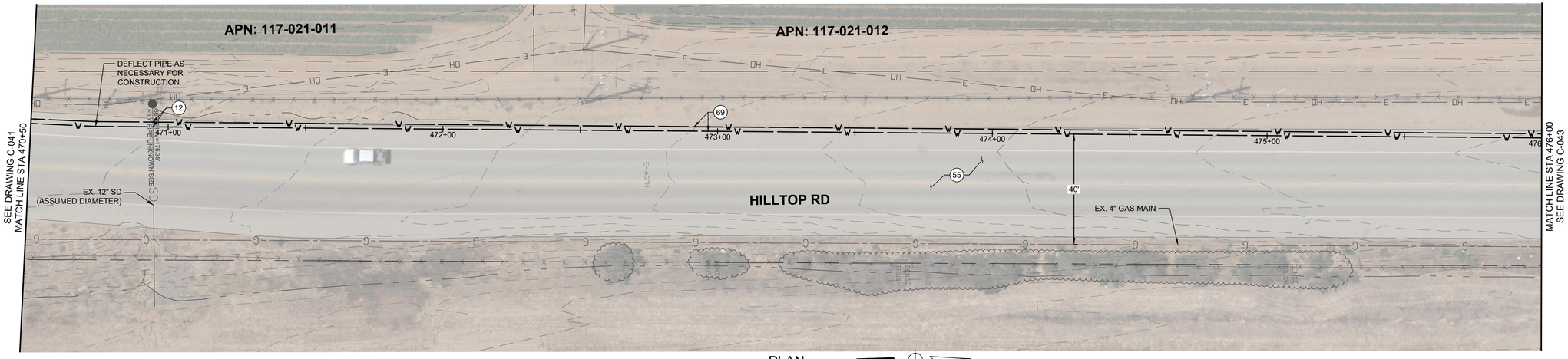
HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(12) PROTECT UTILITY IN PLACE

(55) REINSTATE STREET STRIPING DISTURBED BY CONSTRUCTION IN KIND, TO MATCH EXISTING CONDITION.

(69) INSTALL 8" PVC C900 DR 18 DISTRIBUTION WATER MAIN AND 6" PVC C900 DR 18 TRANSMISSION WATER MAIN IN DUAL TRENCH PER DETAIL 1, CASE I, SHEET C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

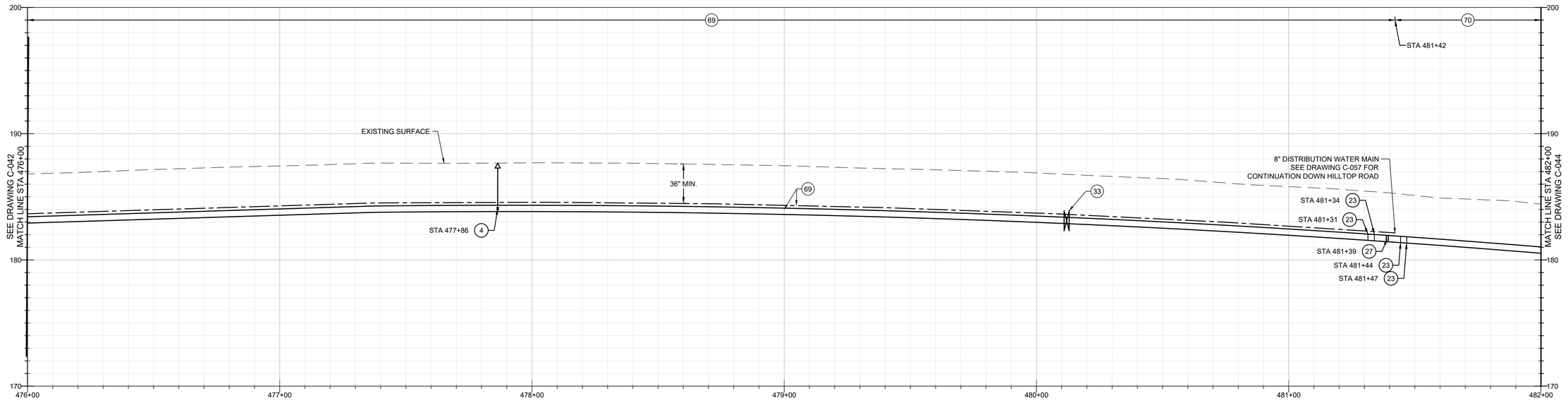
HILLTOP ROAD DUAL PIPELINE PLAN AND PROFILE - STA 470+50 TO STA 476+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-042

SHEET NUMBER
47 OF 158

Thu, 22 Jan 26 - 11:24:54 AM by Hope Mahony
C:\BuzzProjects\com - Community Water Centers.com\2025\28 Point Pinos\Engr\Dwg_C042 Sheet\Water Pipeline Plan And Profile - 10.dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(4) INSTALL AIR/VACUUM RELEASE VALVE ASSEMBLY PER STANDARD PLAN NO. 3-11. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(23) INSTALL 6" 45-DEGREE D.I. FITTING (MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(27) INSTALL 6" D.I. TEE (MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

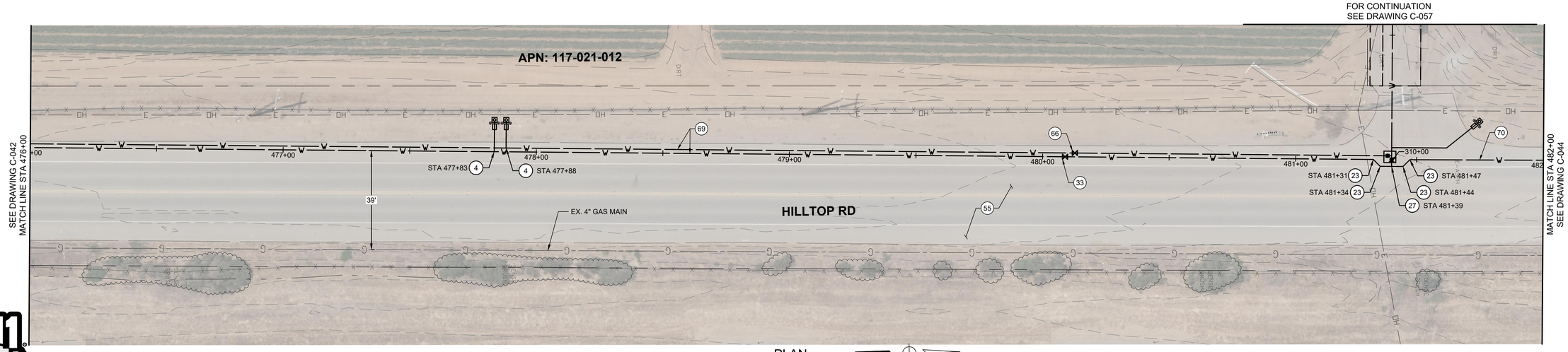
(33) INSTALL 6" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

(55) REINSTATE STREET STRIPING DISTURBED BY CONSTRUCTION IN KIND, TO MATCH EXISTING CONDITION.

(66) INSTALL 8" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

(69) INSTALL 8" PVC C900 DR 18 DISTRIBUTION WATER MAIN AND 6" PVC C900 DR 18 TRANSMISSION WATER MAIN IN DUAL TRENCH PER DETAIL 1, CASE I, SHEET C-107.

(70) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE D, DRAWING C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

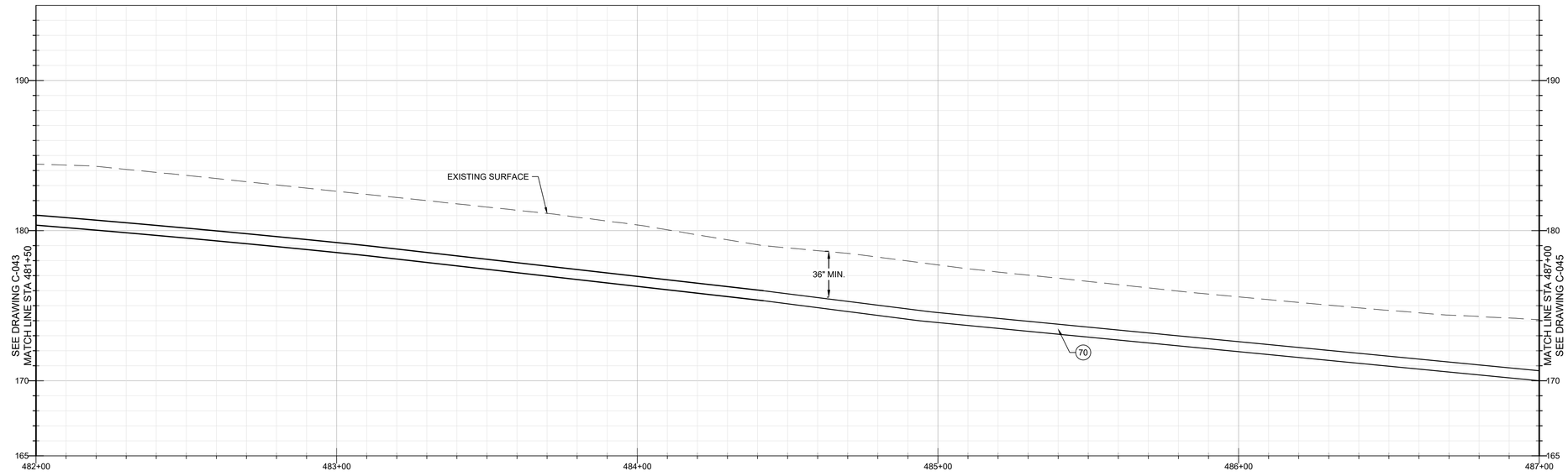
HILLTOP ROAD DUAL PIPELINE PLAN AND PROFILE - STA 476+00 TO STA 482+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-043

SHEET NUMBER
48 OF 158

© BluePrintpatch.com - Community Water Center\Jobs\2004\36 Point Prop\Eng_CAD\3 Sheets\Water Pipeline Plan And Profile - 10.dwg
Thu 22-Jan-26 11:24:54 AM by Hope Mahony



PROFILE

20' 0' 20'

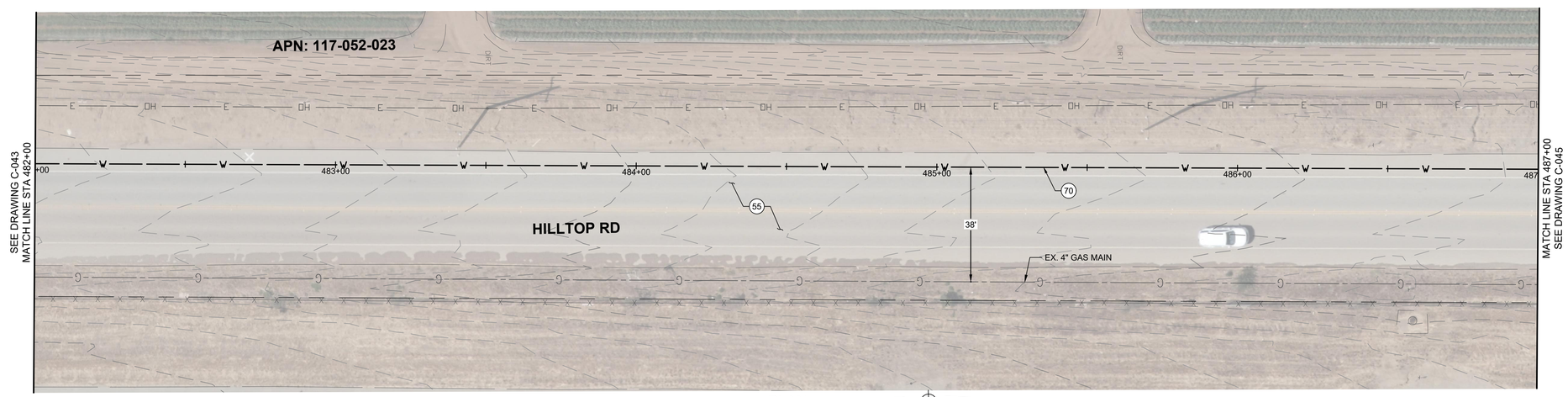
HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(33) INSTALL 6" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

(55) REINSTATE STREET STRIPING DISTURBED BY CONSTRUCTION IN KIND, TO MATCH EXISTING CONDITION.

(70) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE D, DRAWING C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

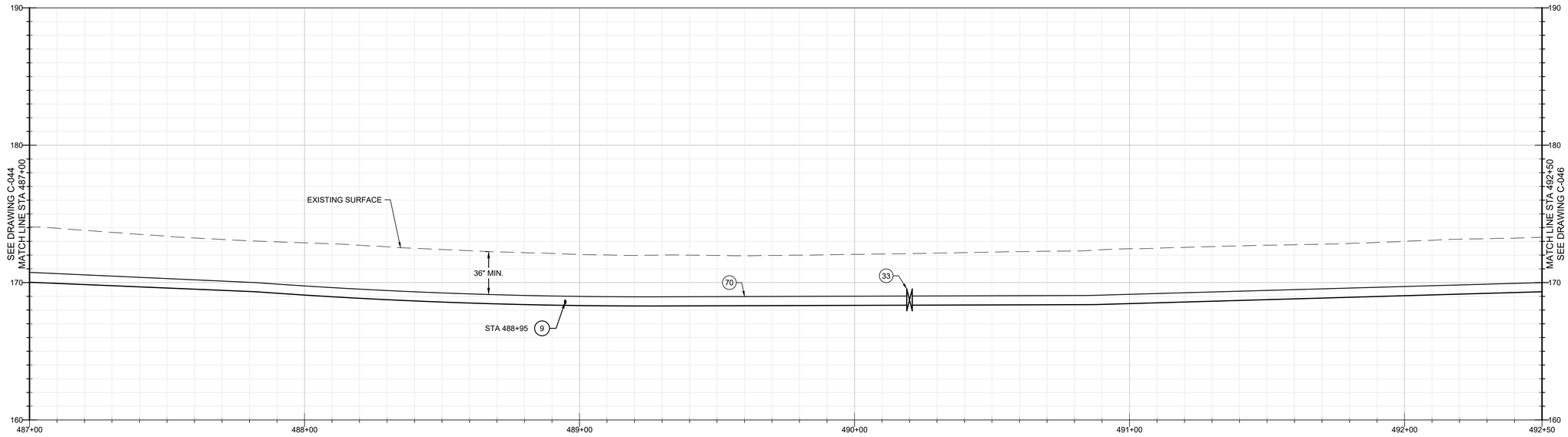
HILLTOP ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 482+00 TO STA 487+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-044

SHEET NUMBER
49 OF **158**

Thu, 22 Jan 26 11:29:24 AM by Joyce Mallroy C:\Box\Projects\Active - Community Water Districts\2004\5.05 Work Proj\2 Eng_CAD\3 Sheets\Base Plan\Plan And Profile - 5.dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

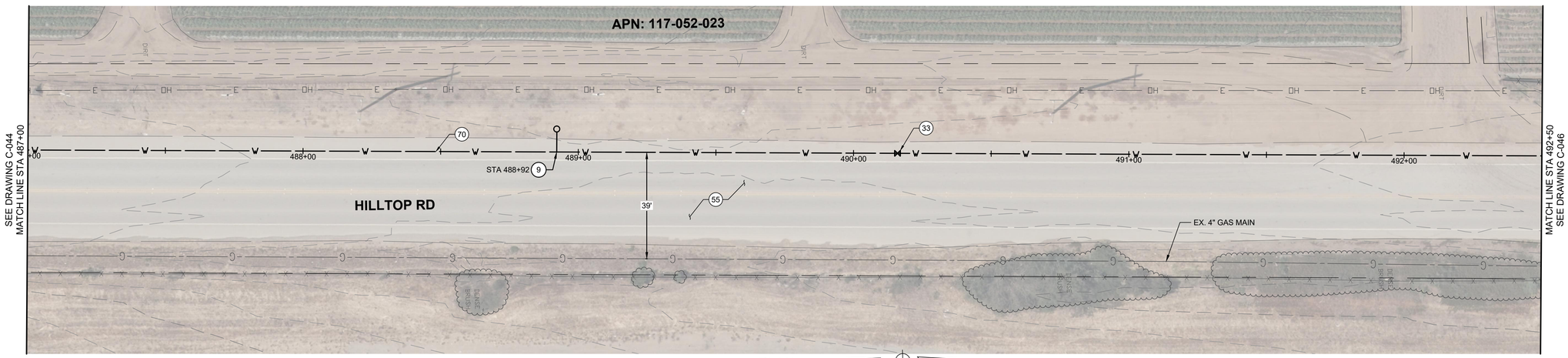
CONSTRUCTION KEY NOTES

(9) INSTALL BLOW-OFF ASSEMBLY PER STANDARD PLAN NO. 3-06. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(33) INSTALL 6" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

(55) REINSTATE STREET STRIPING DISTURBED BY CONSTRUCTION IN KIND, TO MATCH EXISTING CONDITION.

(70) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE D, DRAWING C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

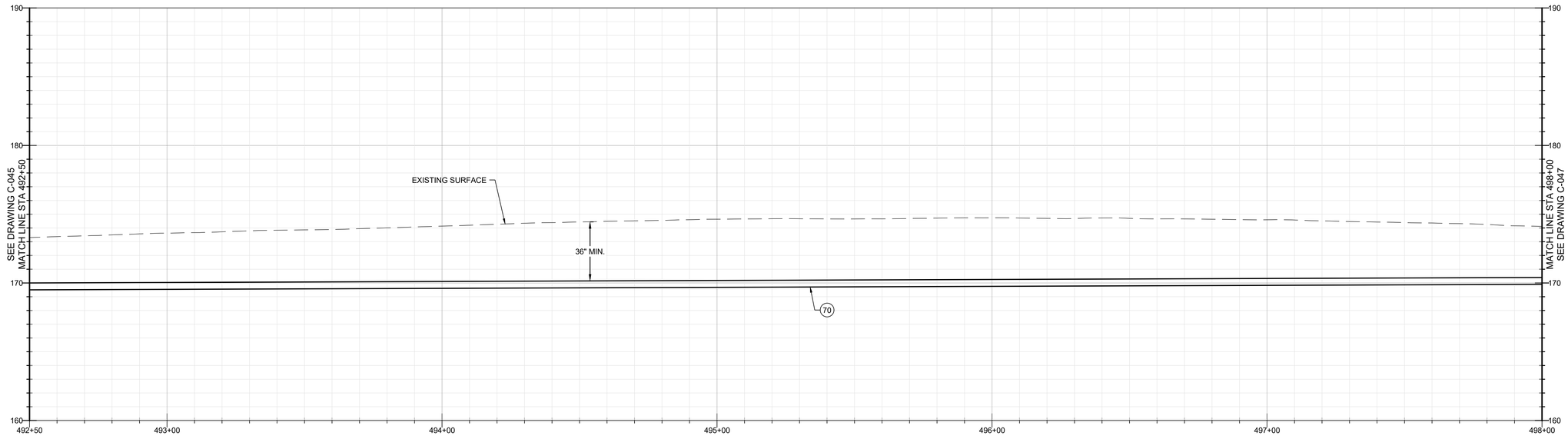
HILLTOP ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 487+00 TO STA 492+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-045

SHEET NUMBER
50 OF **158**

Thu 22 Jan 26 11:24:54 AM by Hope Mallory C:\Box\Projects\Active - Community Water Conversion 200476.05 Form Proj\2 Eng_CAD\2 Drawings\Plan And Profile - 11.dwg



PROFILE

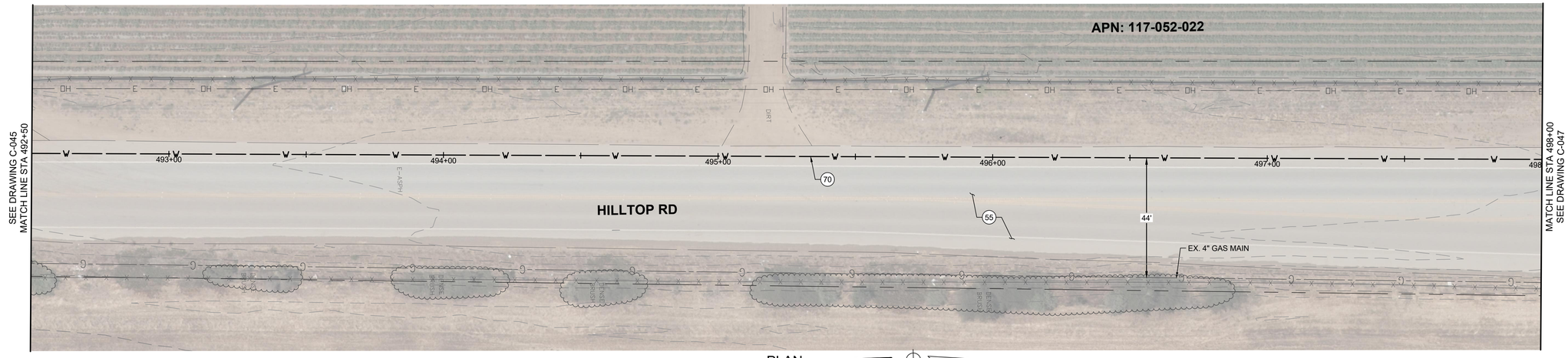
20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(55) REINSTATE STREET STRIPING DISTURBED BY CONSTRUCTION IN KIND, TO MATCH EXISTING CONDITION.

(70) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE D, DRAWING C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

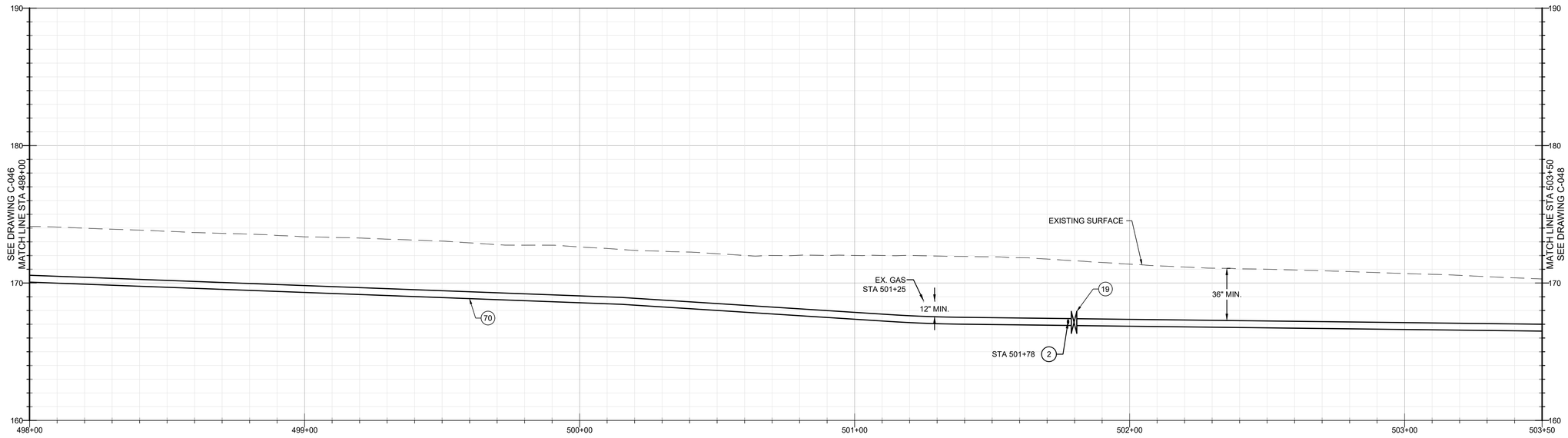
HILLTOP ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 492+50 TO STA 498+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-046

SHEET NUMBER
51 OF 158

Tue 27 Jan 26 03:37:23 PM by Hope Mallamy
C:\Box\Projects\Public\Community Water Consolidation\200476.05 Phase Prep\Eng_CAD\Sheets\Water Pipeline Plan And Profile - 11.dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

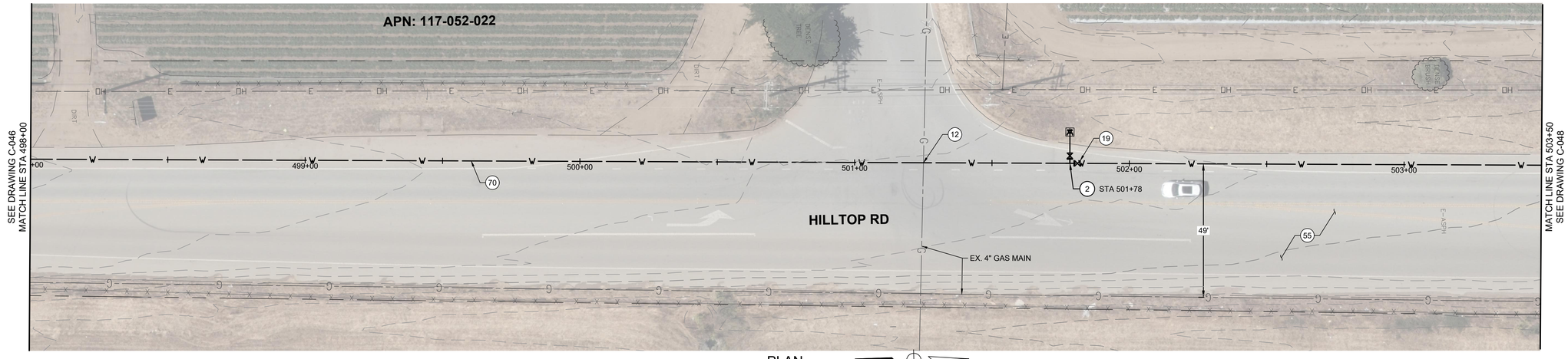
(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(12) PROTECT UTILITY IN PLACE

(19) INSTALL 6" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.

(55) REINSTATE STREET STRIPING DISTURBED BY CONSTRUCTION IN KIND, TO MATCH EXISTING CONDITION.

(70) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE D, DRAWING C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

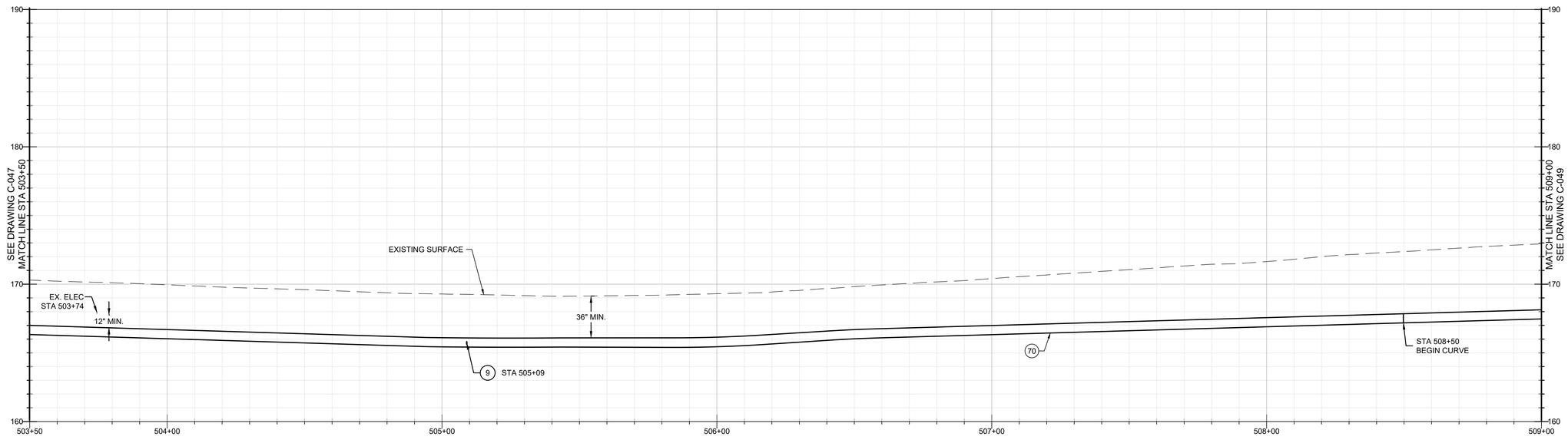
HILLTOP ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 498+00 TO STA 503+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-047

SHEET NUMBER
52 OF 158

Tue 27 Jan 26 10:37:29 PM by Hope Mallroy C:\BimProjects\com - Community Water Consortium\200476.05 Phase Proj\3 Eng_CAD\2 Base\Water Pipeline Plan And Profile_10.dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(9) INSTALL BLOW-OFF ASSEMBLY PER STANDARD PLAN NO. 3-06. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(12) PROTECT UTILITY IN PLACE

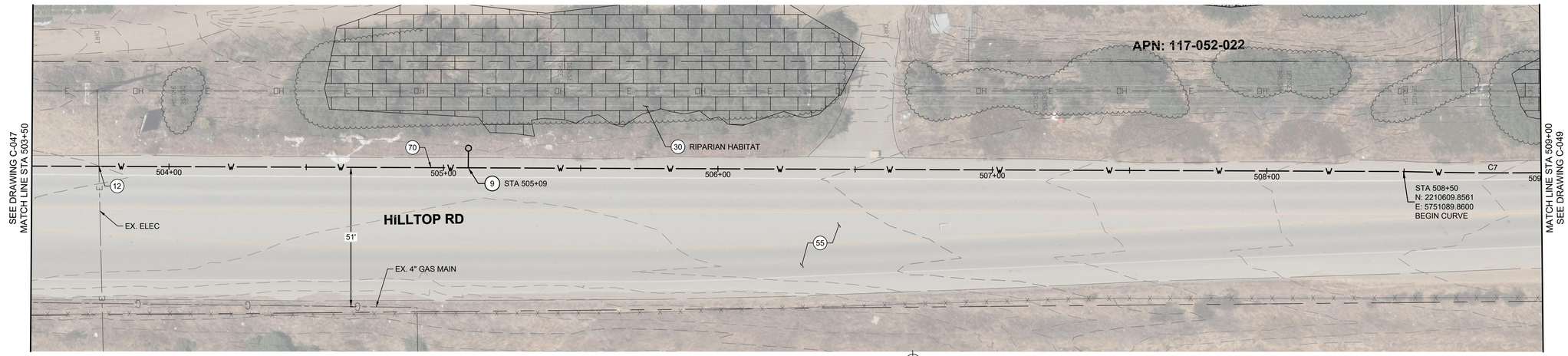
(30) ESA-RIPARIAN HABITAT, COMPLY WITH ENVIRONMENTAL PROTECTION REQUIREMENTS.

(55) REINSTATE STREET STRIPING DISTURBED BY CONSTRUCTION IN KIND, TO MATCH EXISTING CONDITION.

(70) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE D, DRAWING C-107.

CURVE TABLE

Curve #	RADIUS	LENGTH	DELTA	START POINT (N,E)	END POINT (N,E)
C7	1326.54'	145.78'	006.30	(2210609.86, 5751089.86)	(2210755.57, 5751090.59)



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

HILLTOP ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 503+50 TO STA 509+00

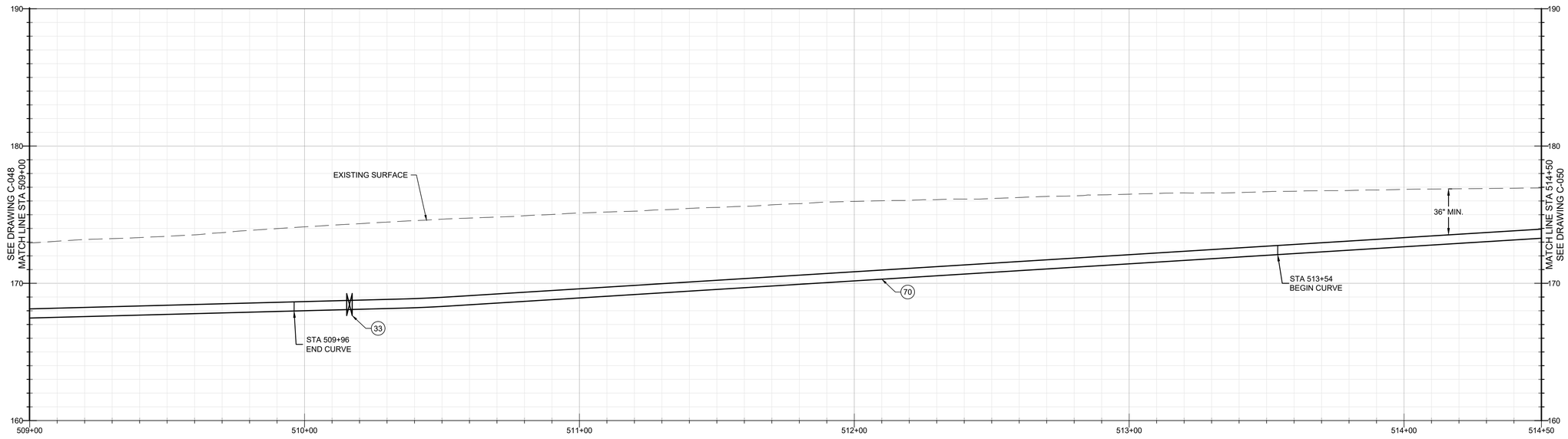
PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-048

SHEET NUMBER
53 OF 158

C:\Bluebeam\CWTRC - Community Water Center\CWTRC.200476.05\PSMS Proj\Eng_CAD2 Shared\Hwy Pajaro Rd Proj\Bk - 1\Dwg

Tue 10:04:28 02/3/26 by Vilay Diego



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(30) ESA-RIPARIAN HABITAT, COMPLY WITH ENVIRONMENTAL PROTECTION REQUIREMENTS.

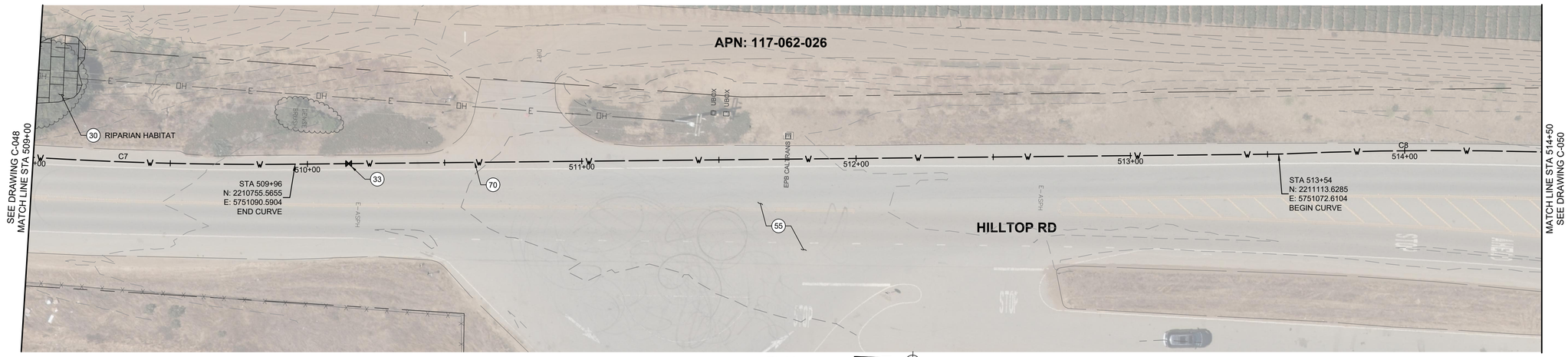
(33) INSTALL 6" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

(55) REINSTATE STREET STRIPING DISTURBED BY CONSTRUCTION IN KIND, TO MATCH EXISTING CONDITION.

(70) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE D, DRAWING C-107.

CURVE TABLE

Curve #	RADIUS	LENGTH	DELTA	START POINT (N,E)	END POINT (N,E)
C7	1326.54'	145.78'	006.30	(2210609.86, 5751089.86)	(2210755.57, 5751090.59)
C8	1342.49'	224.86'	009.60	(2211113.63, 5751072.61)	(2211338.22, 5751072.60)



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

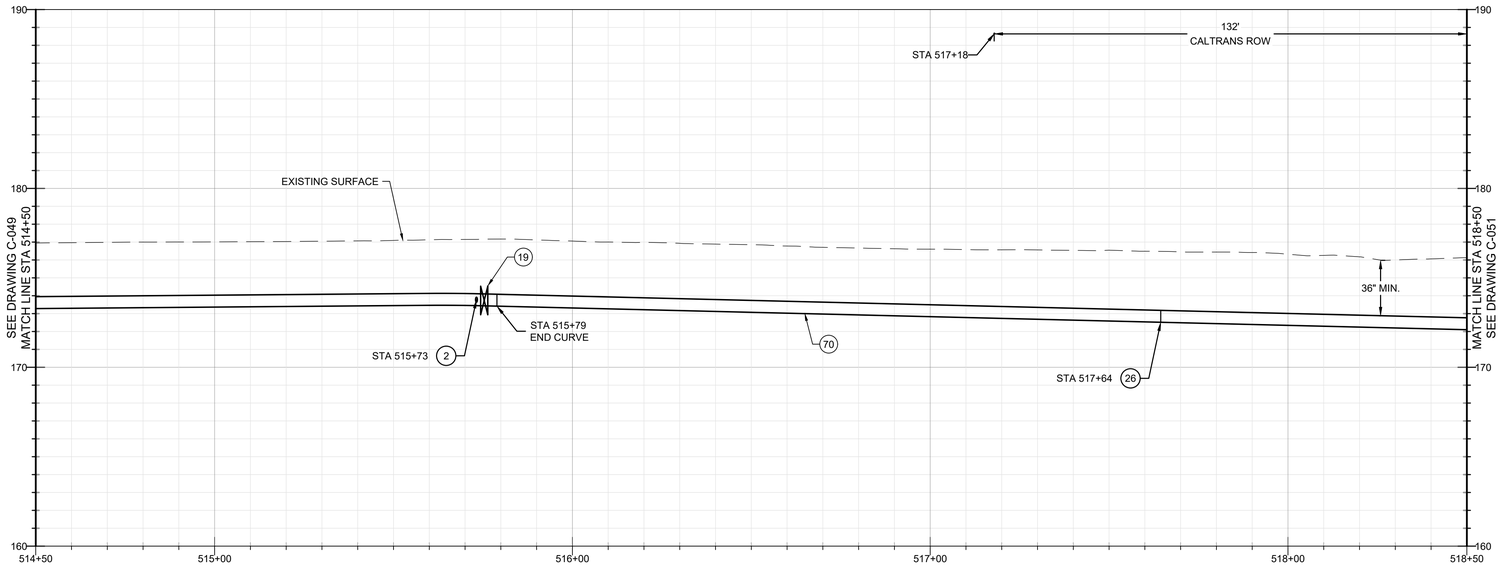
HILLTOP ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 509+00 TO STA 514+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-049

SHEET NUMBER
54 OF 158

C:\Bim Projects\CWTRC - Community Water Center\CWTRC.200476.05 PSMS Proj\Eng_CAD\2 Drawings\Hydro Plan And Profile - 1.dwg
Tue 10:54a 26 02:23:59 by Mky Diego



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(14) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE C, DRAWING C-107.

(19) INSTALL 6" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.

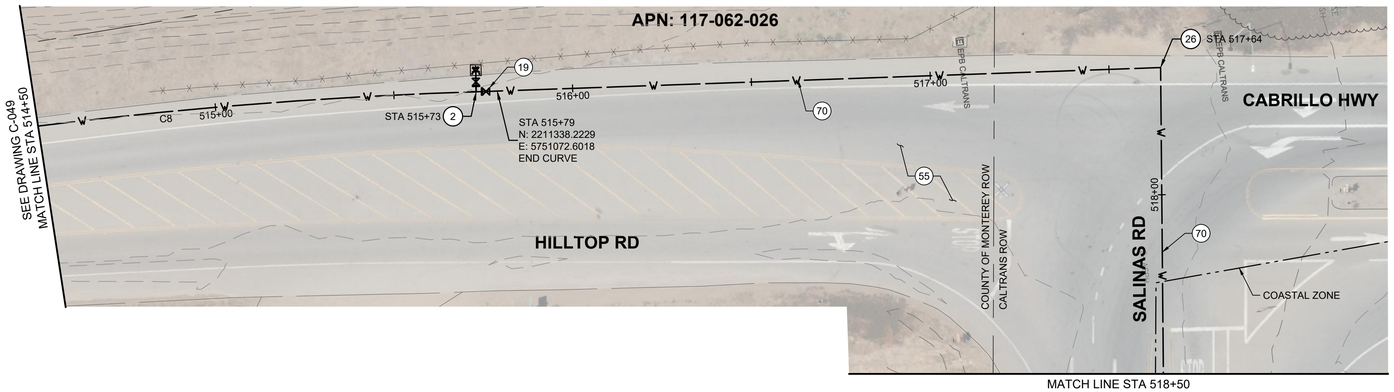
(26) INSTALL 6" 90-DEGREE D.I. FITTING (MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(55) REINSTATE STREET STRIPING DISTURBED BY CONSTRUCTION IN KIND, TO MATCH EXISTING CONDITION.

(70) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE D, DRAWING C-107.

CURVE TABLE

Curve #	RADIUS	LENGTH	DELTA	START POINT (N,E)	END POINT (N,E)
C8	1342.49'	224.86'	009.60	(2211113.63, 5751072.61)	(2211338.22, 5751072.60)



MATCH LINE STA 518+50
SEE DRAWING C-051

PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

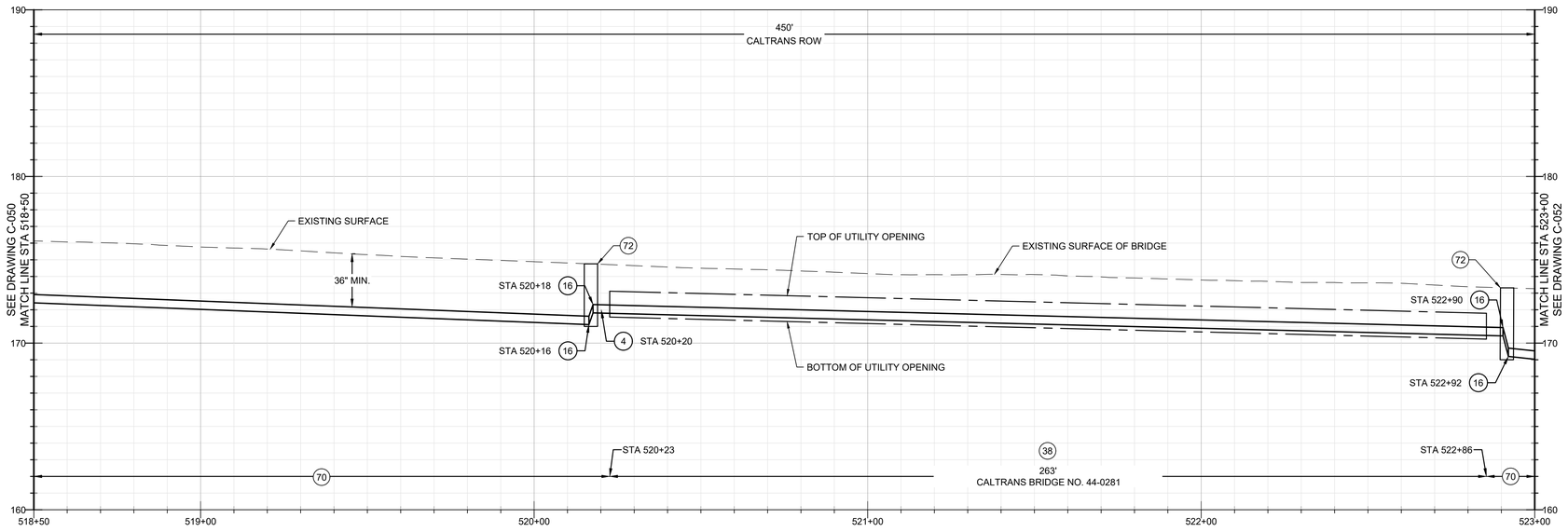
HILLTOP ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 514+50 TO STA 518+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-050

SHEET NUMBER
55 OF 158

C:\BluePrograms\CWTRC - Community Water Center\CWTRC.200476.05 PSMS Proj\Eng_CAD\3 Sheets\Main Pipeline Plan And Profile - 15.dwg
Tue, 31 Mar 26 02:52:33 PM by Alex Dargo



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

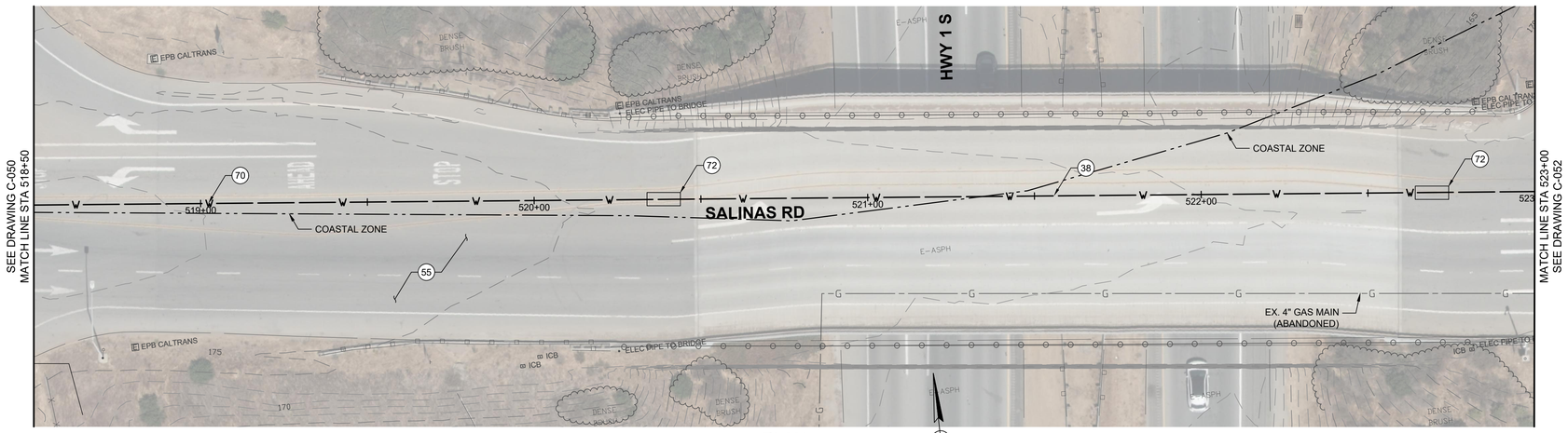
(16) INSTALL 6" 45-DEGREE D.I. VERTICAL FITTING (MJ) WITH JOINT RESTRAINTS FOR CROSSING UNDER EXISTING UTILITY. PROVIDE THRUST BLOCKS PER STANDARD PLAN 3-08.01.

(38) INSTALL 6" RESTRAINED JOINT D.I. MAIN ACROSS BRIDGE PER SPECIFICATIONS. SEE DRAWING C-076 FOR BRIDGE CROSSING ELEVATION AND SECTION. SEE SHEET BR-01 THROUGH BR-04 FOR STRUCTURAL DETAILS.

(55) REINSTATE STREET STRIPING DISTURBED BY CONSTRUCTION IN KIND, TO MATCH EXISTING CONDITION.

(70) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE D, DRAWING C-107.

(72) INSTALL VAULT PER SHEET BR-03.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

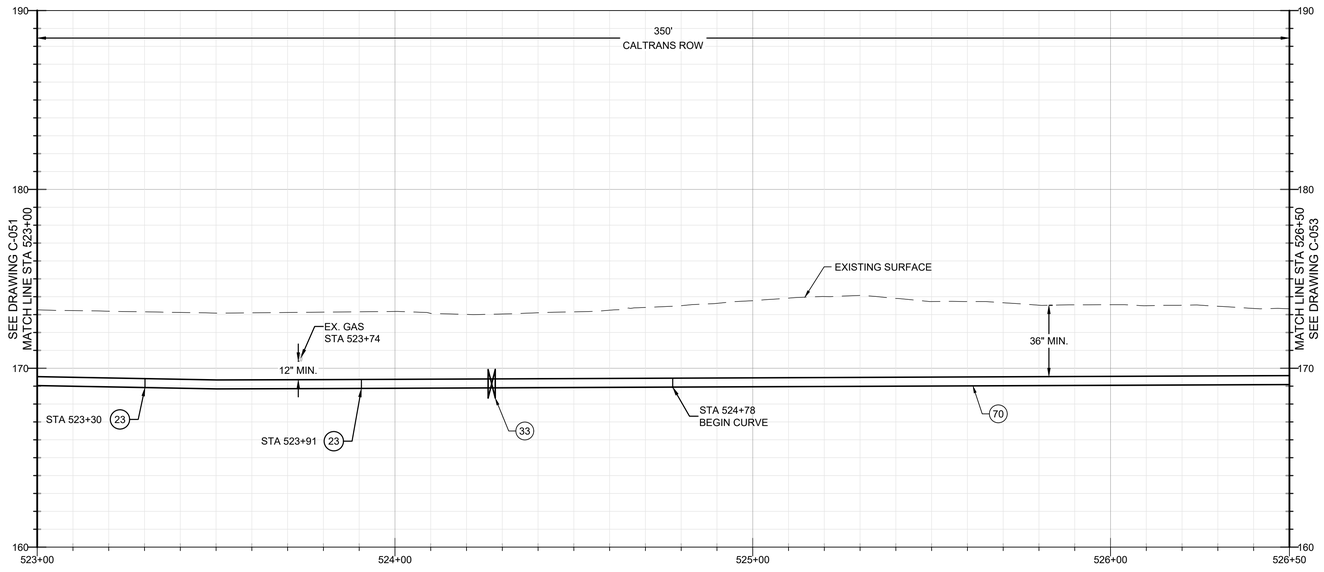
SALINAS ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 518+50 TO STA 523+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-051

SHEET NUMBER
56 OF 158

C:\Bluebeam\CWTRC - Community Water Center\CWTRC.200476.05 SRMS Proj\Eng\ CADD Sheets\Base Plus\Arc Plots - 11.pwg
Tue 10:04:26 2026 49 PM by Kiley Dodge



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(12) PROTECT UTILITY IN PLACE

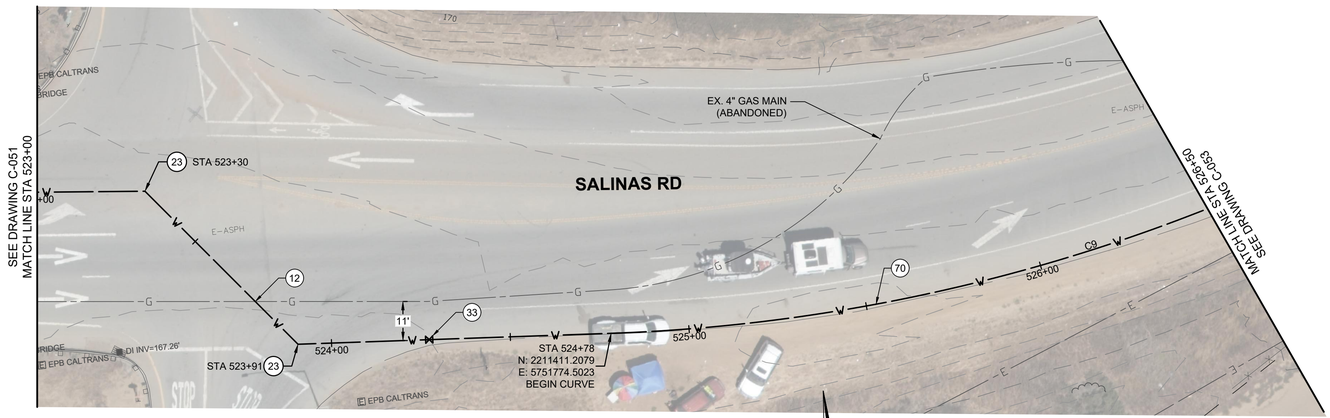
(23) INSTALL 6" 45-DEGREE D.I. FITTING (MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(33) INSTALL 6" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

(70) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE D, DRAWING C-107.

CURVE TABLE

Curve #	RADIUS	LENGTH	DELTA	START POINT (N,E)	END POINT (N,E)
C9	500.05'	309.73'	035.49	(2211411.21, 5751774.50)	(2211481.55, 5752071.07)



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

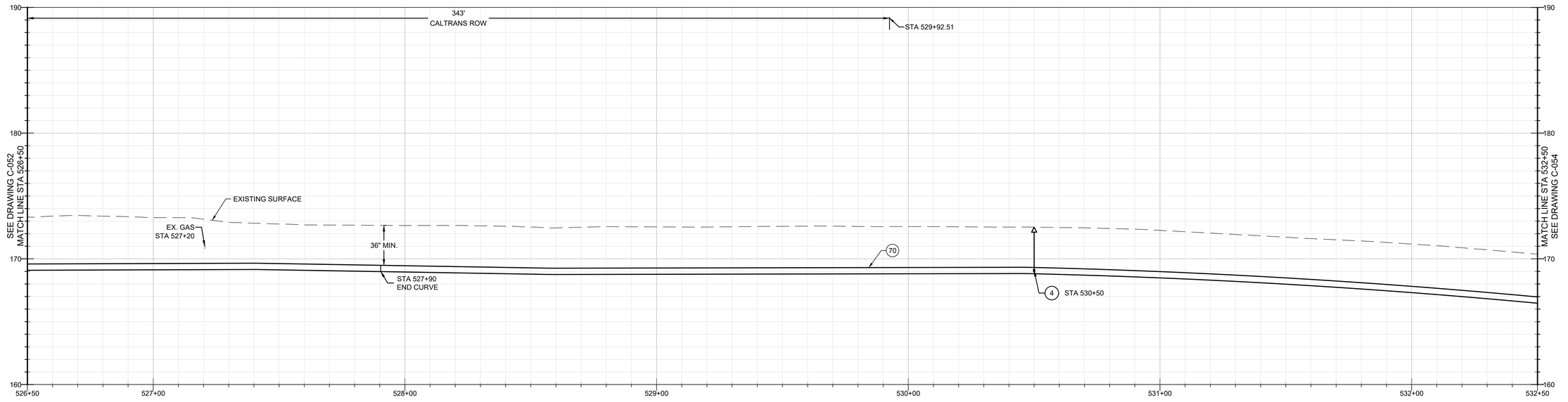
SALINAS ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 523+50 TO STA 526+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-052

SHEET NUMBER
57 OF **158**

1st 10 Mar 26 - 03:36:49 PM By: Dilay Dogu
C:\Bluebeam\CWTRC - Community Water Center\CWTRC.200476.05\90 Proj\Eng_CAD\ Streamliner Pajaro Rel And Profile - 17.dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

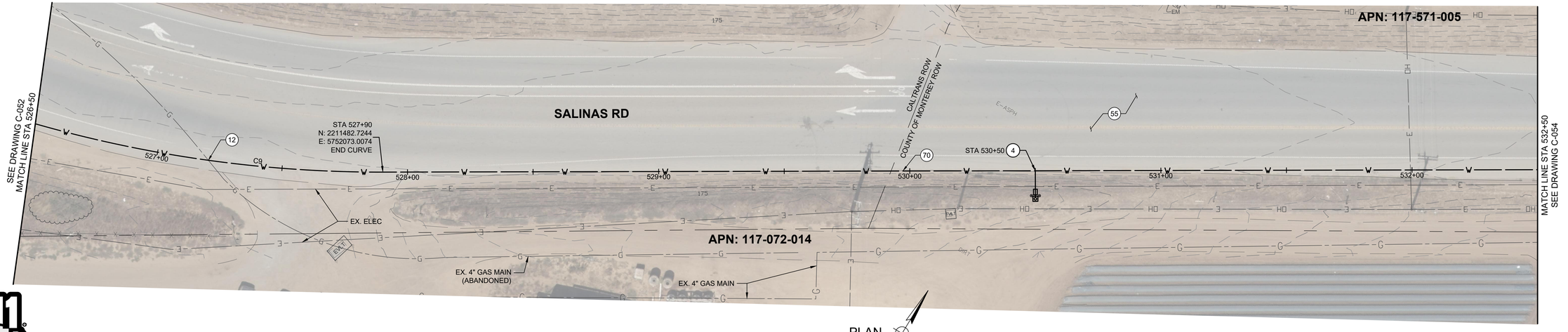
(4) INSTALL AIR/VACUUM RELEASE VALVE ASSEMBLY PER STANDARD PLAN NO. 3-11. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(12) PROTECT UTILITY IN PLACE

(55) REINSTATE STREET STRIPING DISTURBED BY CONSTRUCTION IN KIND, TO MATCH EXISTING CONDITION.

(70) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE D, DRAWING C-107.

CURVE TABLE					
Curve #	RADIUS	LENGTH	DELTA	START POINT (N,E)	END POINT (N,E)
C9	500.05'	309.73'	035.49	(2211411.21, 5751774.50)	(2211481.55, 5752071.07)



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

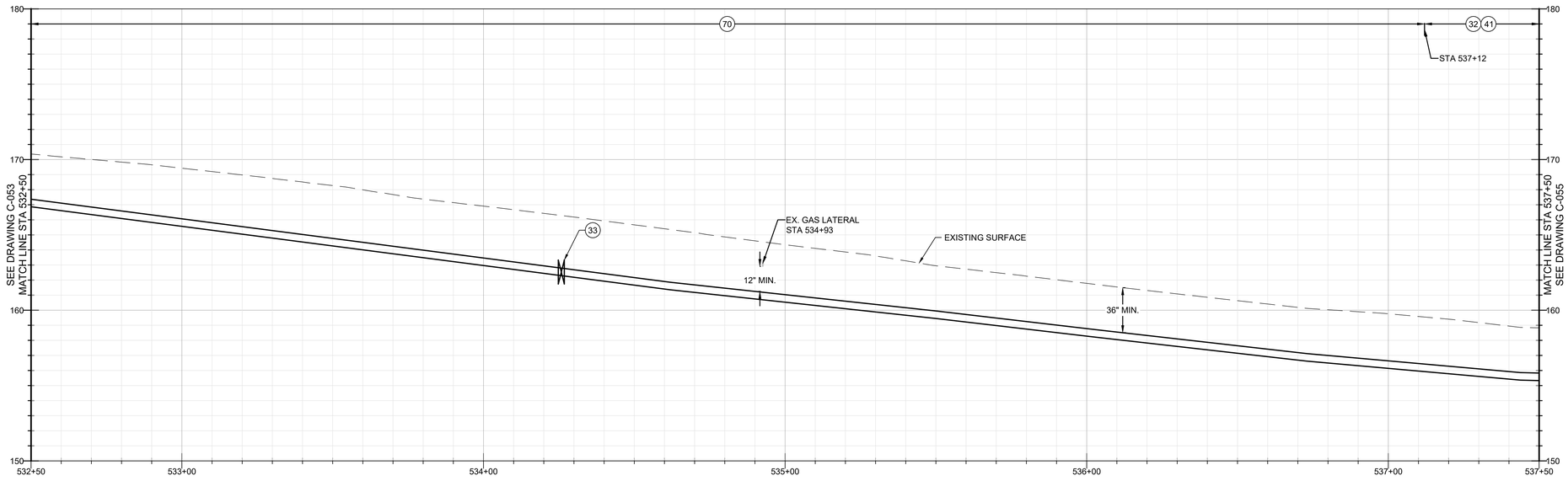
SALINAS ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 526+50 TO STA 532+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-053

SHEET NUMBER
58 OF 158

Tue 27 Jan 26 14:17:28 PM By: Hope Mallroy
C:\Box\Projects\com - Community Water Consortium\200476.05 Phase Proj\2 Eng_CAD\2 Base\Water Pipeline Plan And Profile - 17.dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

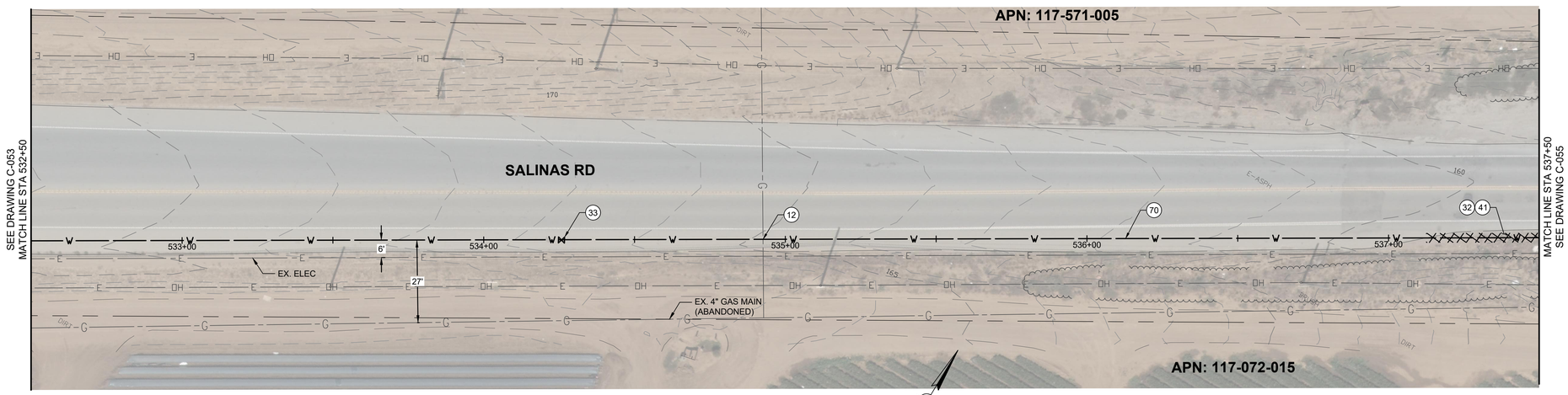
(12) PROTECT UTILITY IN PLACE

(32) APPLY HYDROSSEDING TO DISTURBED AREAS THAT ARE UNDEVELOPED FOLLOWING BACKFILLING.

(33) INSTALL 6" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

(41) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE A, DRAWING C-107.

(70) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE D, DRAWING C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

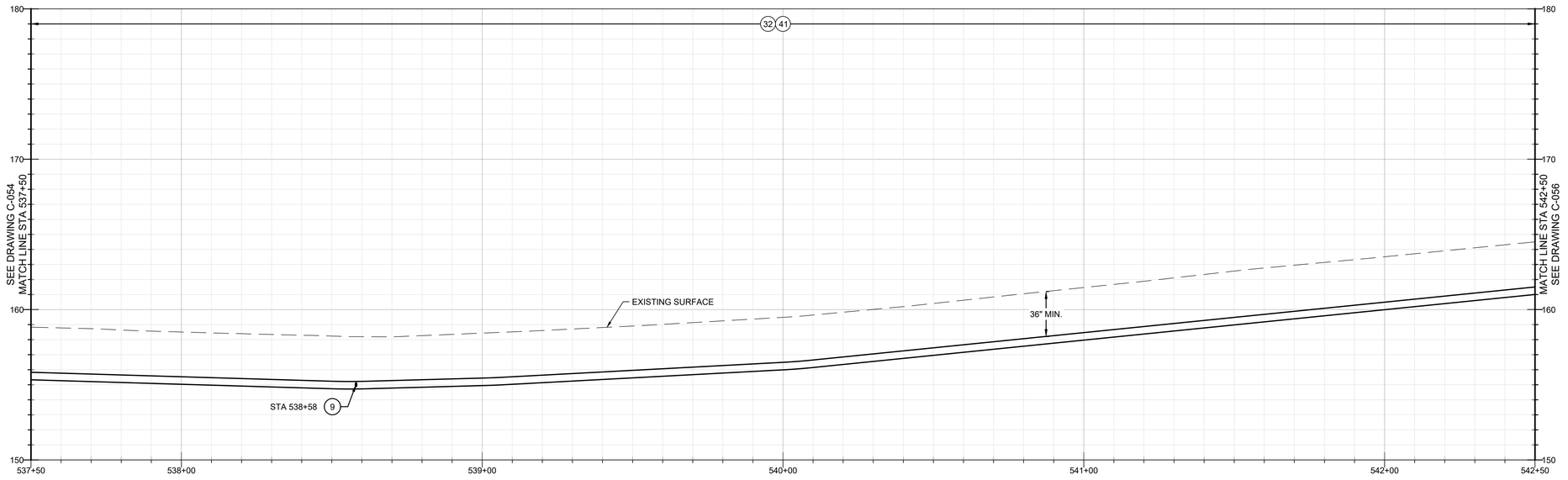
SALINAS ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 532+50 TO STA 537+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-054

SHEET NUMBER
59 OF 158

Thu,22-Jan-26 4:18:34 PM by Alejo Mallmy
C:\Bluebeam\Documents - Community Water Cartwrights\200476.05 Trans Proj\2 Eng\ CADD Shown\Alejo Plan And Profile - 1.2.dwg



PROFILE

20' 0' 20'

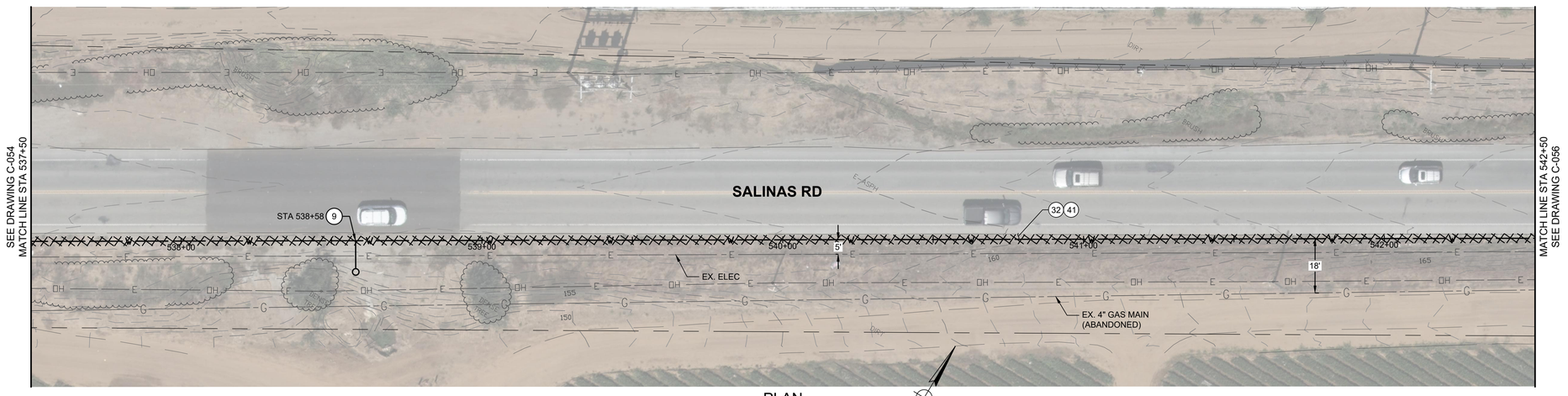
HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(9) INSTALL BLOW-OFF ASSEMBLY PER STANDARD PLAN NO. 3-06. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(32) APPLY HYDROSSEDING TO DISTURBED AREAS THAT ARE UNDEVELOPED FOLLOWING BACKFILLING.

(41) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE A, DRAWING C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

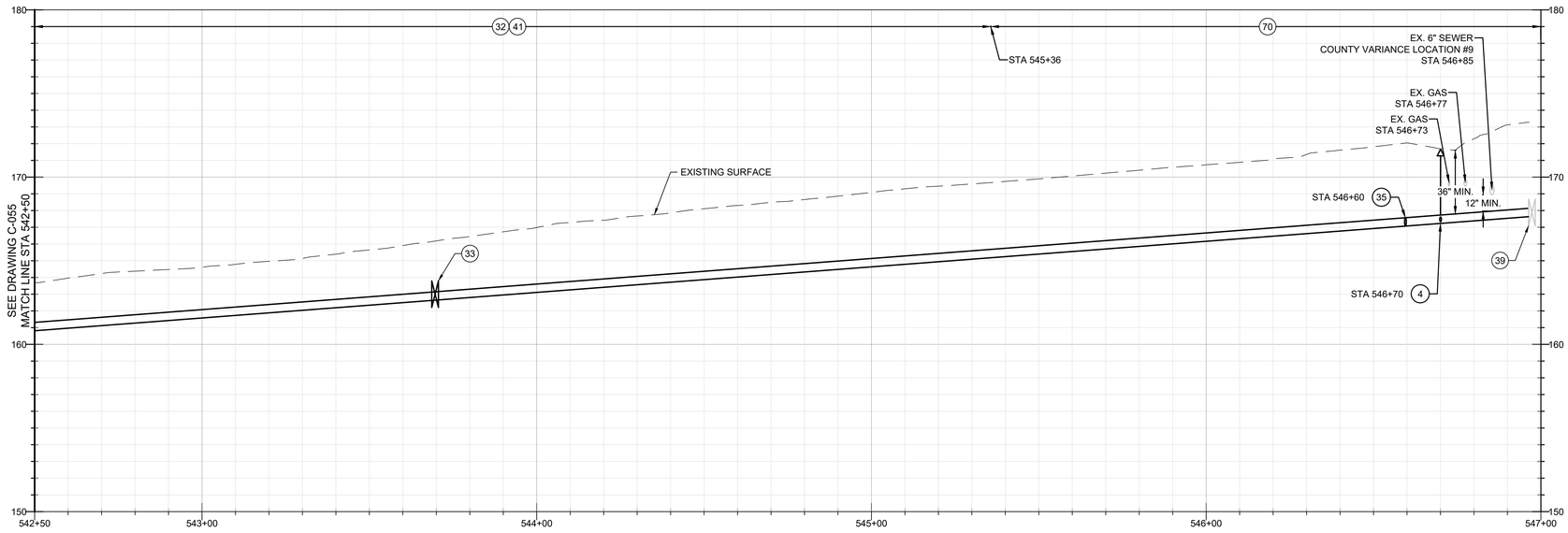
HILLTOP ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 537+50 TO STA 542+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-055

SHEET NUMBER
60 OF 158

© Dbx/Projects/com - Community Water Center/com.200476.06 Pure Pro/2 Eng_CAD/2 Sheets/Water Pipeline Plan And Profile - 17.dwg
Thu 22 Jan 26 16:33:54 PM by Hope Mahony



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(17) INSTALL 6" LINE GATE VALVE (FLG) PER STANDARD PLAN NO. 3-07.01.

(18) INSTALL 6" BLIND FLANGE WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(32) APPLY HYDROSSEDING TO DISTURBED AREAS THAT ARE UNDEVELOPED FOLLOWING BACKFILLING.

(33) INSTALL 6" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

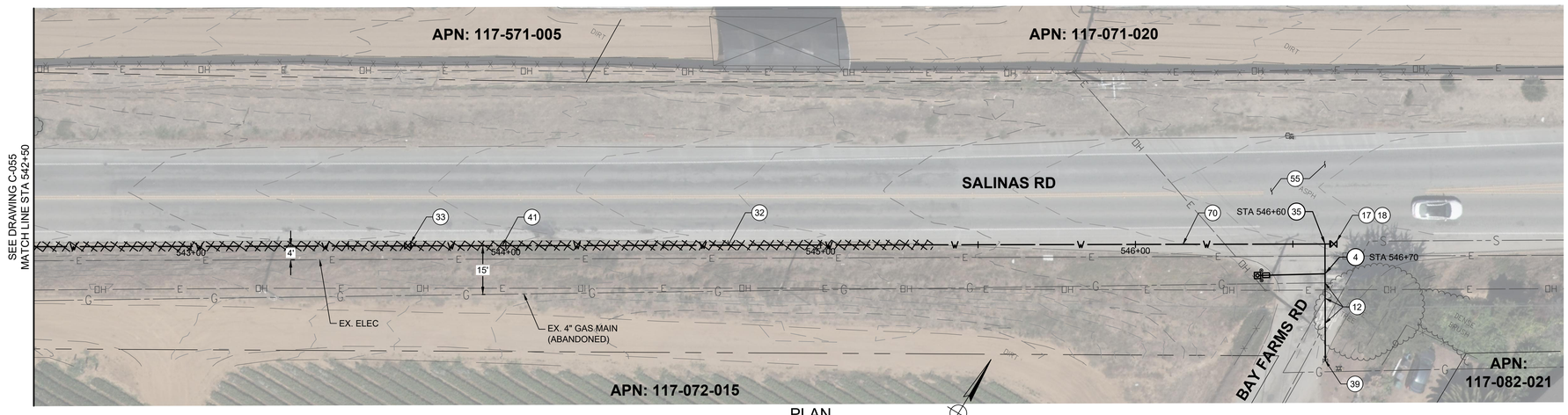
(35) INSTALL 6" D.I. TEE (FLG x MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(39) CONNECTION TO SUNNY MESA SYSTEM UNKNOWN. CONTRACTOR SHALL POTHOLE TO FIND EXISTING MAIN AND ADJUST CONNECTION POINT TO CONNECT WITH SUNNY MESA SYSTEM.

(41) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE A, DRAWING C-107.

(55) REINSTATE STREET STRIPING DISTURBED BY CONSTRUCTION IN KIND, TO MATCH EXISTING CONDITION.

(70) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE D, DRAWING C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

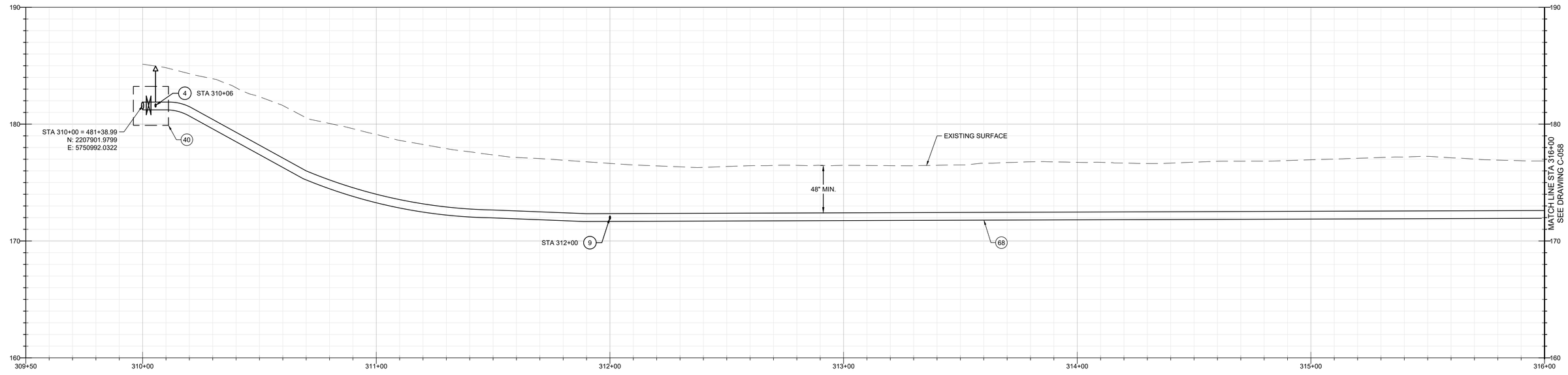
HILLTOP ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 542+50 TO STA 547+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-056

SHEET NUMBER
61 OF 158

Thu, 22 Jan 26 - 09:49:01 PM by Hope Mallroy C:\Box\Projects\com - Community Water Consortium\200476.05 Phase Proj\Eng_CAD\2 Base\Water Pipeline Plan And Profile - 15.dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

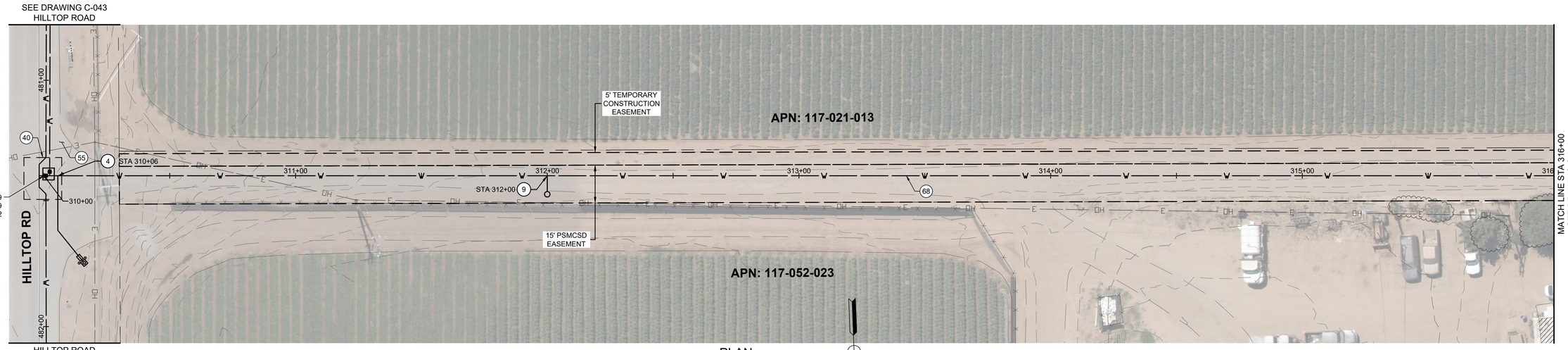
(4) INSTALL AIR/VACUUM RELEASE VALVE ASSEMBLY PER STANDARD PLAN NO. 3-11. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(9) INSTALL BLOW-OFF ASSEMBLY PER STANDARD PLAN NO. 3-06. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(40) INSTALL BYPASS VAULT PER DETAIL 2, DRAWING C-108.

(55) REINSTATE STREET STRIPING DISTURBED BY CONSTRUCTION IN KIND, TO MATCH EXISTING CONDITION.

(68) INSTALL 8" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE A, DRAWING C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

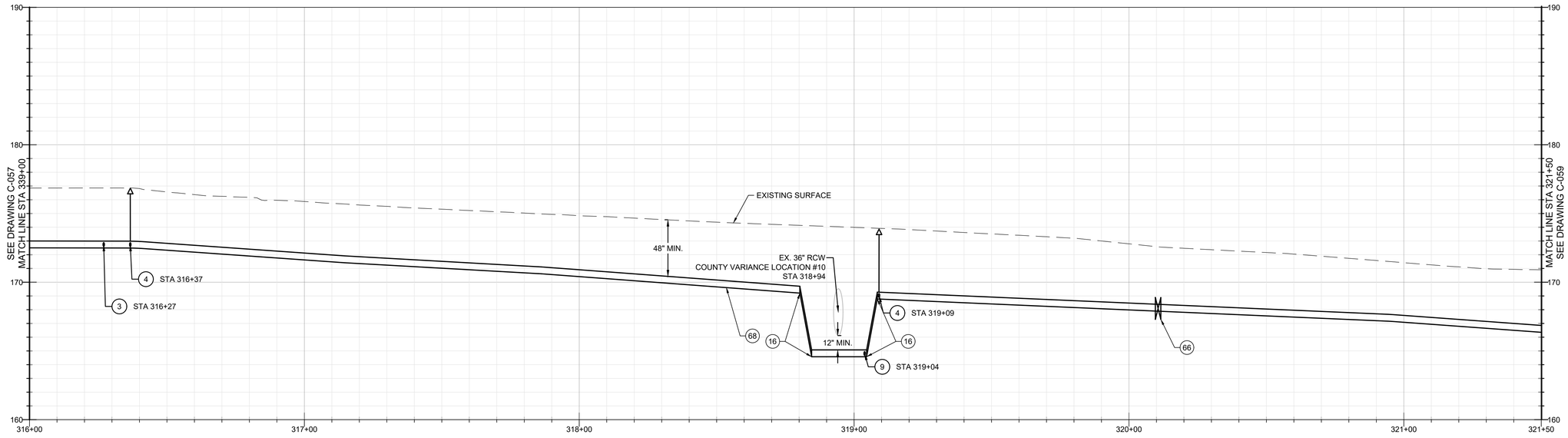
HILLTOP ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 310+00 TO STA 316+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-057

SHEET NUMBER
62 OF 158

© BluePrintSolutions, Community Water Constructors,2025\25.68 Pana Proj\Eng_CAD\ Sheets\Main Pipeline Plan And Profile - 11.dwg
Wed, 28 Jan 26 - 22:18:47 PM By: Hope Mallory



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

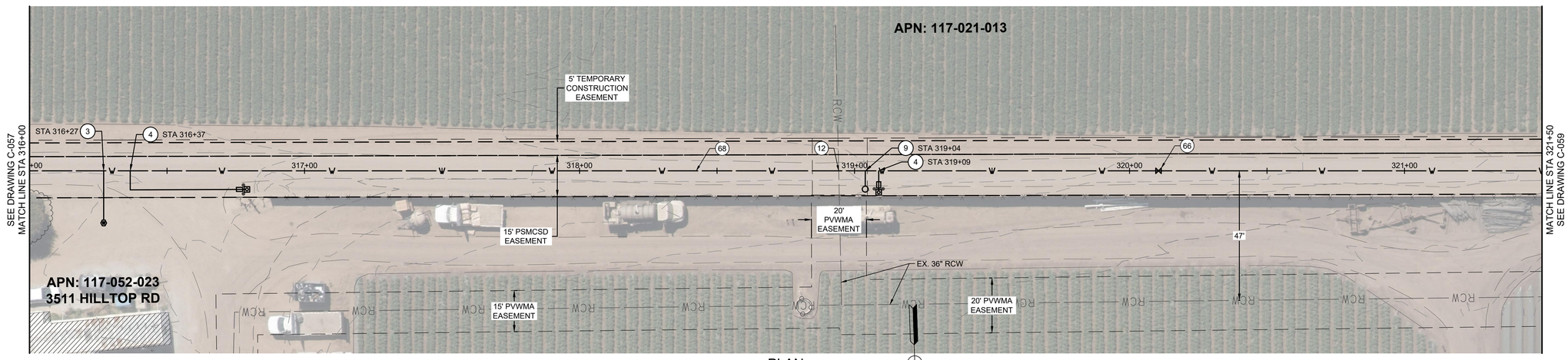
(3) INSTALL 1" WATER SERVICE, 3/4" METER, AND METER BOX PER STANDARD PLAN NO. 3-02.03 AND DETAIL 1, CASE F, DRAWING C-107. REFER TO DRAWINGS C-078 THROUGH C-097 FOR PRIVATE LATERAL PLAN.

(4) INSTALL AIR/VACUUM RELEASE VALVE ASSEMBLY PER STANDARD PLAN NO. 3-11. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(9) INSTALL BLOW-OFF ASSEMBLY PER STANDARD PLAN NO. 3-06. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(16) INSTALL 6" 45-DEGREE D.I. VERTICAL FITTING (MJ) WITH JOINT RESTRAINTS FOR CROSSING UNDER EXISTING UTILITY. PROVIDE THRUST BLOCKS PER STANDARD PLAN 3-08.01.

(66) INSTALL 8" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

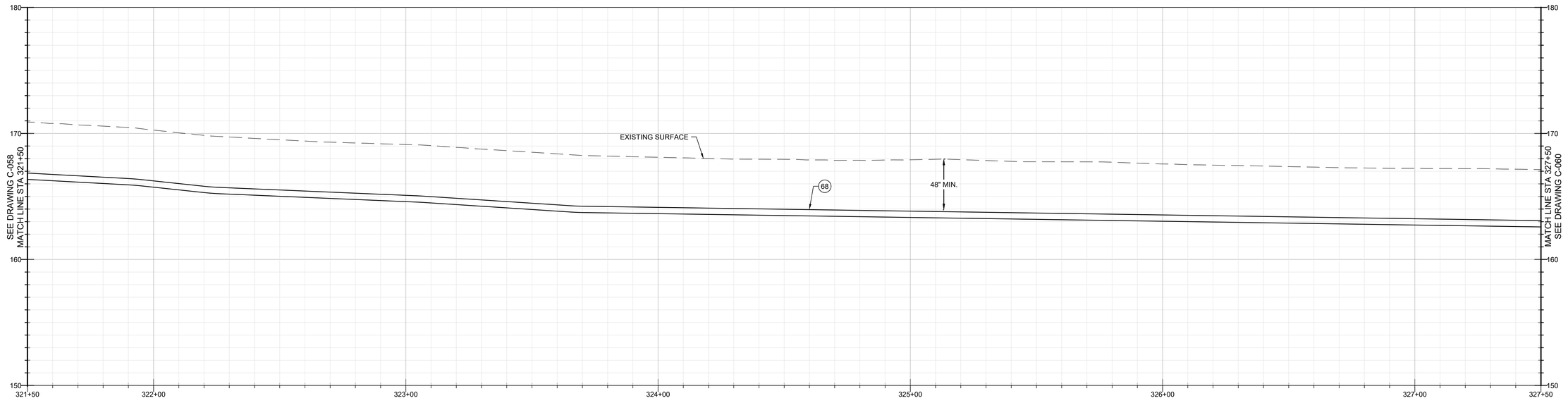
HILLTOP ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 316+00 TO STA 321+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-058

SHEET NUMBER
63 OF 158

C:\Box\Projects\Pajaro Community Water Construction\200476.05 Phase Prep\Eng_CAD\2 Sheets\Water Pipeline Plan And Profile - 11.dwg
Thu 26-Jan-26 09:48:48 PM by Hope Mallory



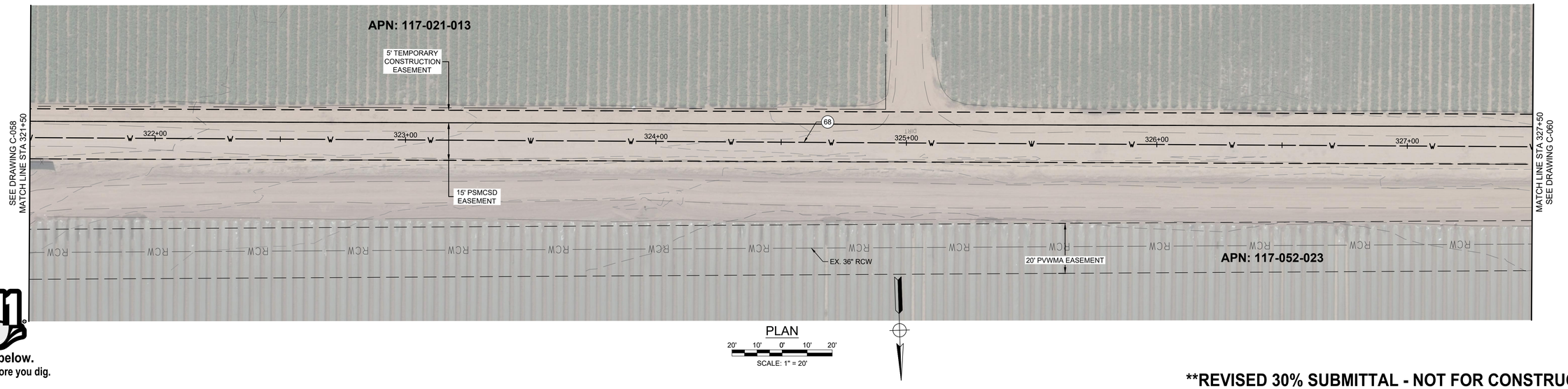
PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(68) INSTALL 8" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE A, DRAWING C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

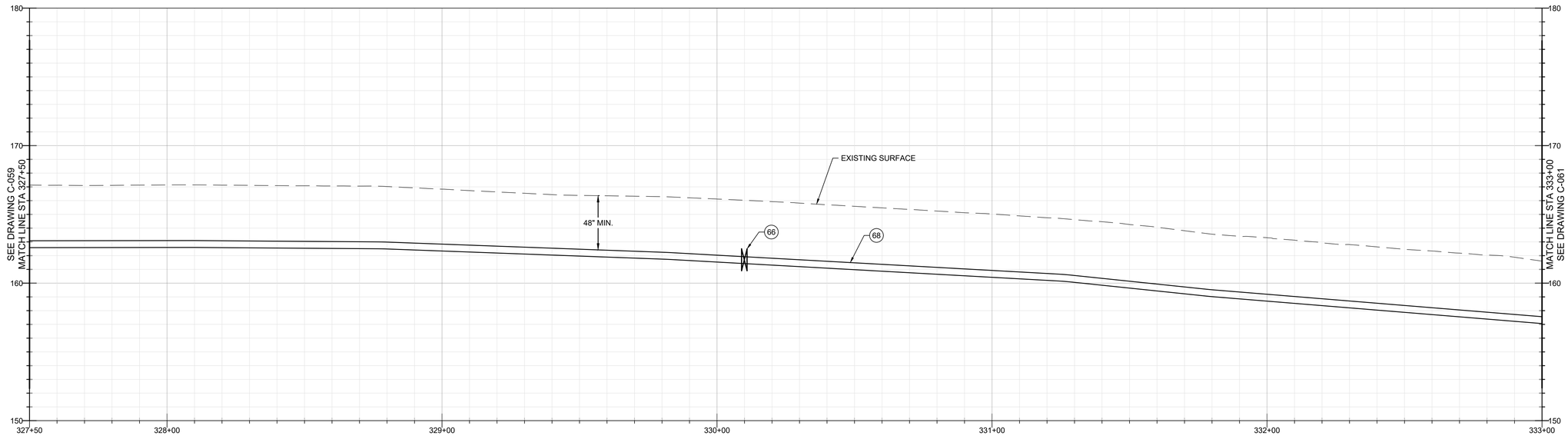
HILLTOP ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 321+50 TO STA 327+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-059

SHEET NUMBER
64 OF 158

© Boe\Projects\CWTRC - Community Water Center\CWTRC.200476.05 PSMCSD Proj\Eng_CAD\Sheet\Main Pipeline Plan And Profile - 12.dwg
Thu, 12 Mar 26 23:43:24 PM by Abby Dapp



PROFILE

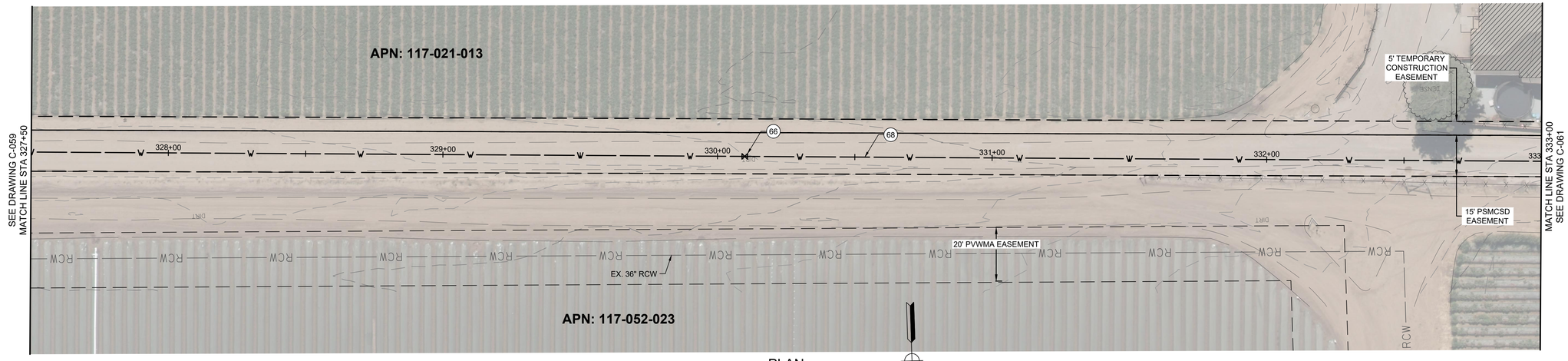
20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(66) INSTALL 8" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

(68) INSTALL 8" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE A, DRAWING C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

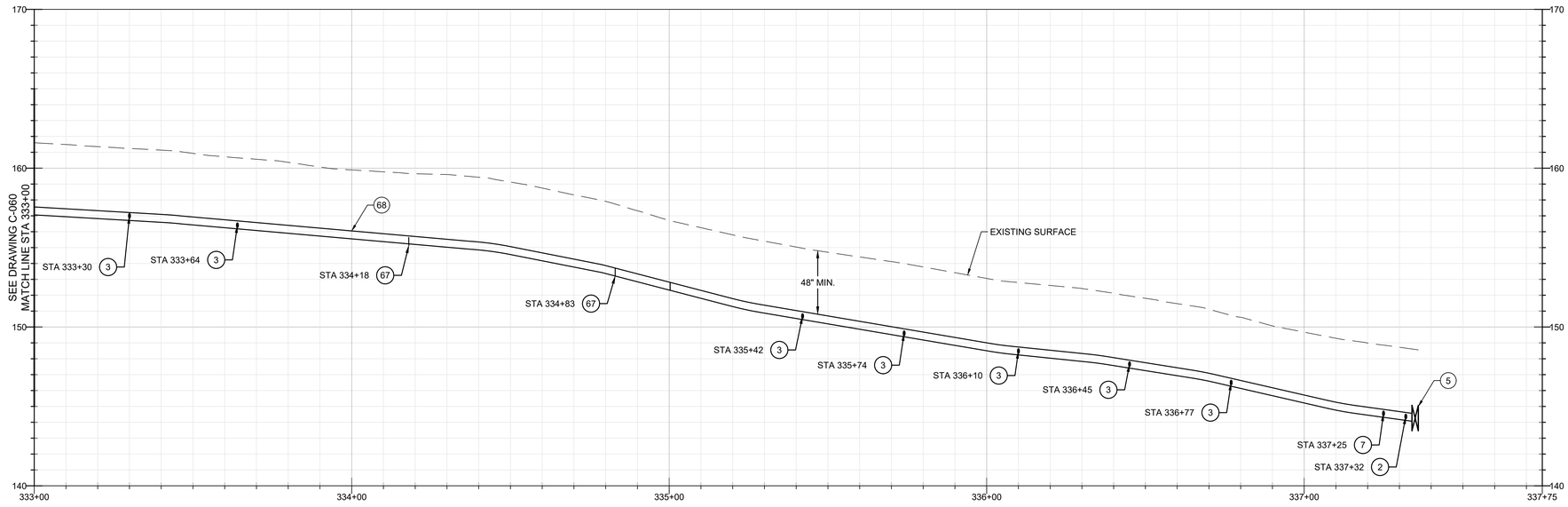
HILLTOP ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 327+50 TO STA 333+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-060

SHEET NUMBER
65 OF 158

© Blueprint2/CWTRC - Community Water Center/CWTRC.200476.05 P3M3 Proj Eng./CAD/Sheet/Main Pipeline Plan And Profile - 12.dwg
Thu, 12 Mar 26 - 03:24:24 PM By: JaMyn Kreidt



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(3) INSTALL 1" WATER SERVICE, 3/4" METER, AND METER BOX PER STANDARD PLAN NO. 3-02.03 AND DETAIL 1, CASE F, DRAWING C-107. REFER TO DRAWINGS C-078 THROUGH C-097 FOR PRIVATE LATERAL PLAN.

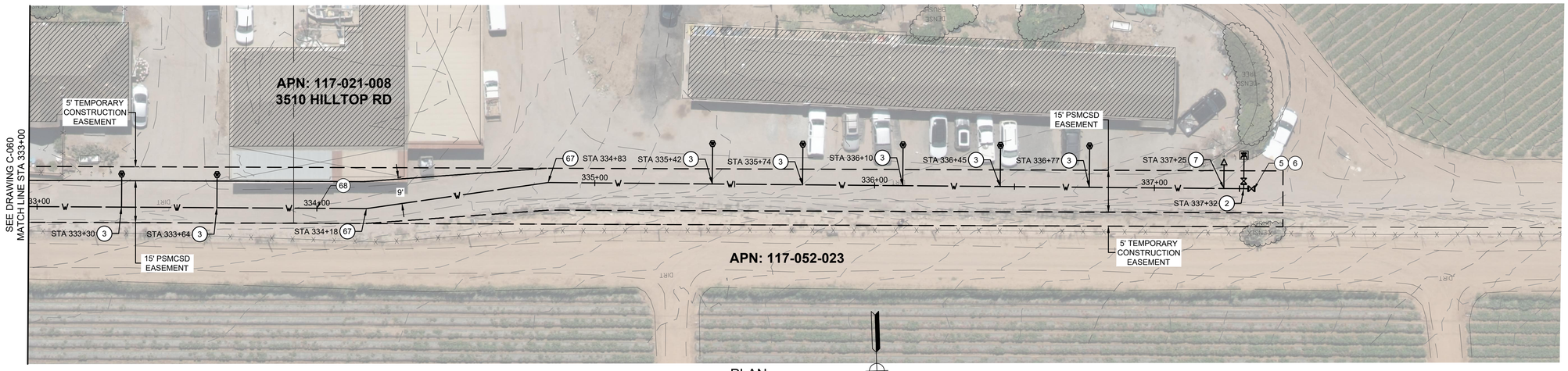
(5) INSTALL 8" LINE GATE VALVE (FLG) PER STANDARD PLAN NO. 3-07.01.

(6) INSTALL 8" BLIND FLANGE WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(7) INSTALL SAMPLING STATION PER STANDARD PLAN NO. 3-21. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(67) INSTALL 8" 11.25-DEGREE D.I. FITTING (MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(68) INSTALL 8" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE A, DRAWING C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

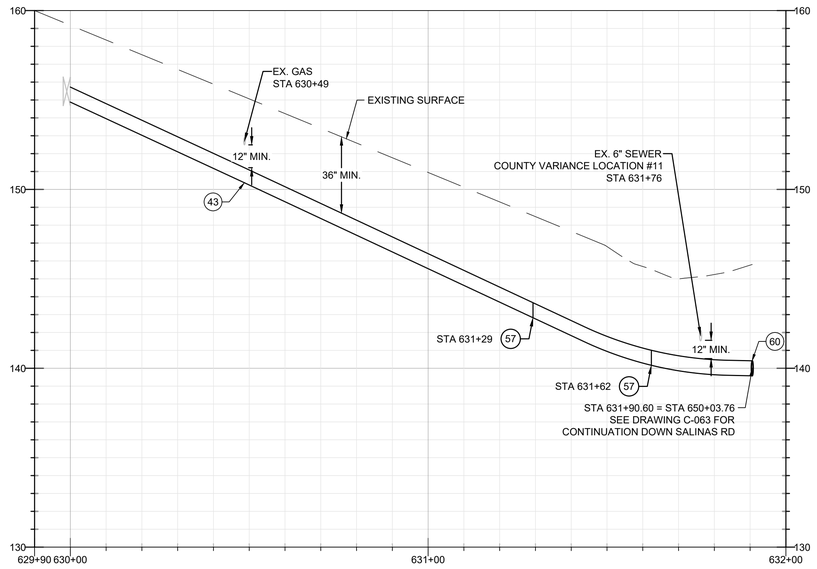
HILLTOP ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 333+00 TO STA 337+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-061

SHEET NUMBER
66 OF 158

Th, 12 Jun 26 - 10:24:14 PM By: Kelly Dodge
C:\Bluebeam Projects\CWTRC - Community Water Center\CWTRC.200476.05 SRSD Proj\Eng_CADD Sheets\Hilltop Pipeline Plan And Profile - 12.dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

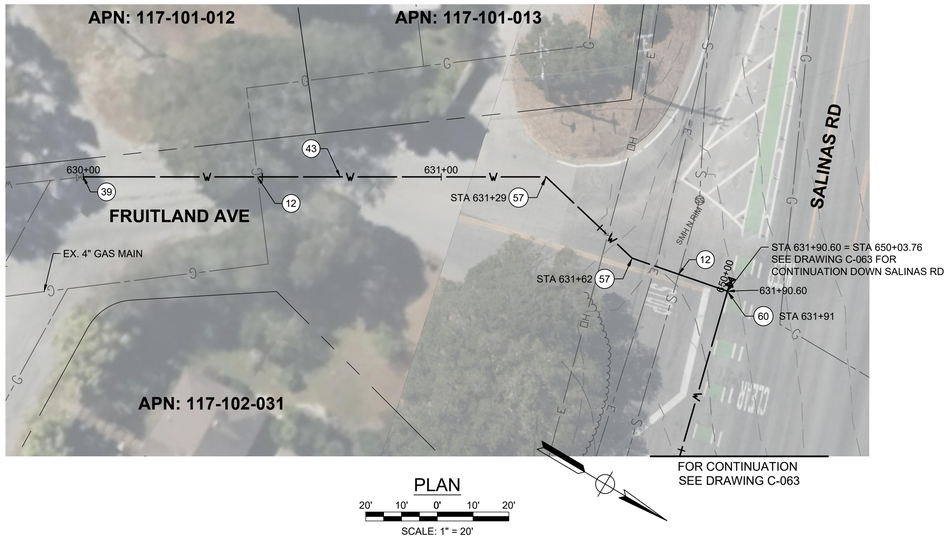
(12) PROTECT UTILITY IN PLACE

(39) CONNECTION TO SUNNY MESA SYSTEM UNKNOWN. CONTRACTOR SHALL POTHOLE TO FIND EXISTING MAIN AND ADJUST CONNECTION POINT TO CONNECT WITH SUNNY MESA SYSTEM.

(43) INSTALL 10" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE D, DRAWING C-107.

(57) INSTALL 10" 22.5-DEGREE D.I. FITTING (MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(60) INSTALL 10" D.I. TEE (FLG) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

FRUITLAND ROAD PIPELINE PLAN AND PROFILE - STA 630+00 TO STA 631+91

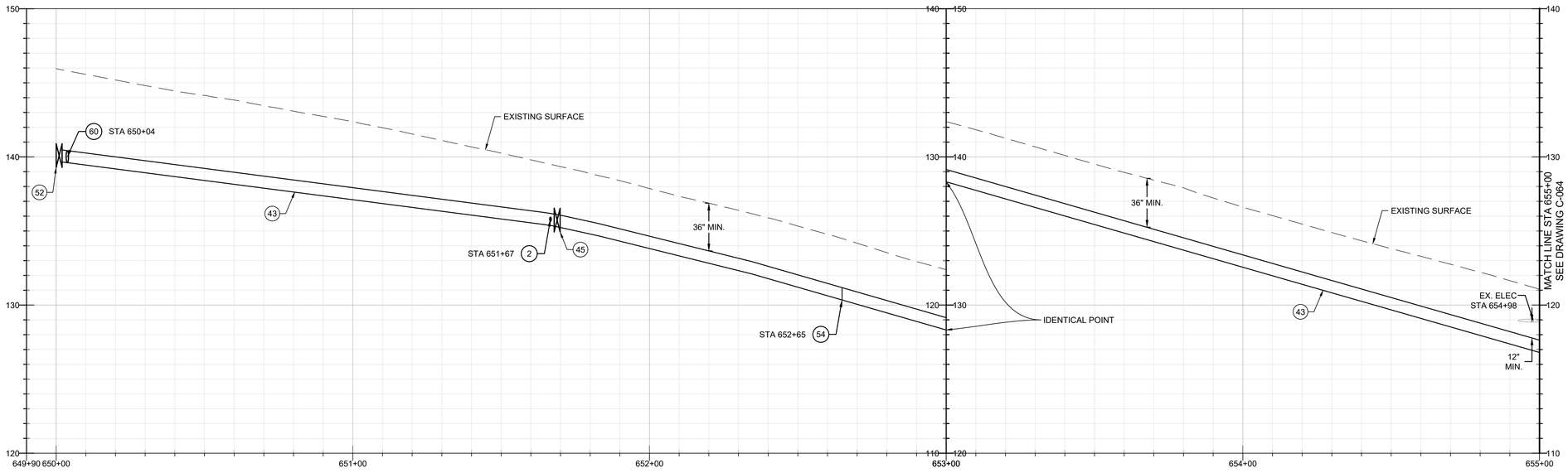
PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-062

SHEET NUMBER
67 OF 158

© Box/Projects/CWTRC - Community Water Center/CWTRC.200476.05 PSMS Proj/Eng_CAD/1 Sheet/Main Pipeline Plan And Profile - 18.dwg

Wed, 04 Feb 26 12:23:53 PM by Joseph Kreidt



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(12) PROTECT UTILITY IN PLACE

(43) INSTALL 10" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE D, DRAWING C-107.

(45) INSTALL 10" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

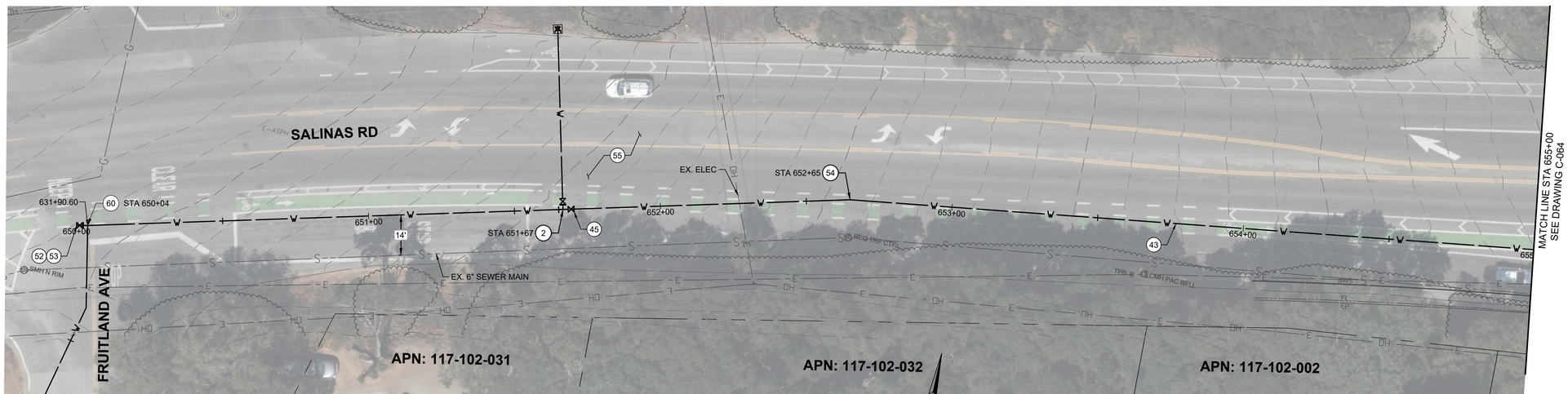
(52) INSTALL 10" LINE GATE VALVE (FLG) PER STANDARD PLAN NO. 3-07.01.

(53) INSTALL 10" BLIND FLANGE WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(54) INSTALL 10" 11.25-DEGREE D.I. FITTING (MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(55) REINSTATE STREET STRIPING DISTURBED BY CONSTRUCTION IN KIND, TO MATCH EXISTING CONDITION.

(60) INSTALL 10" D.I. TEE (FLG) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

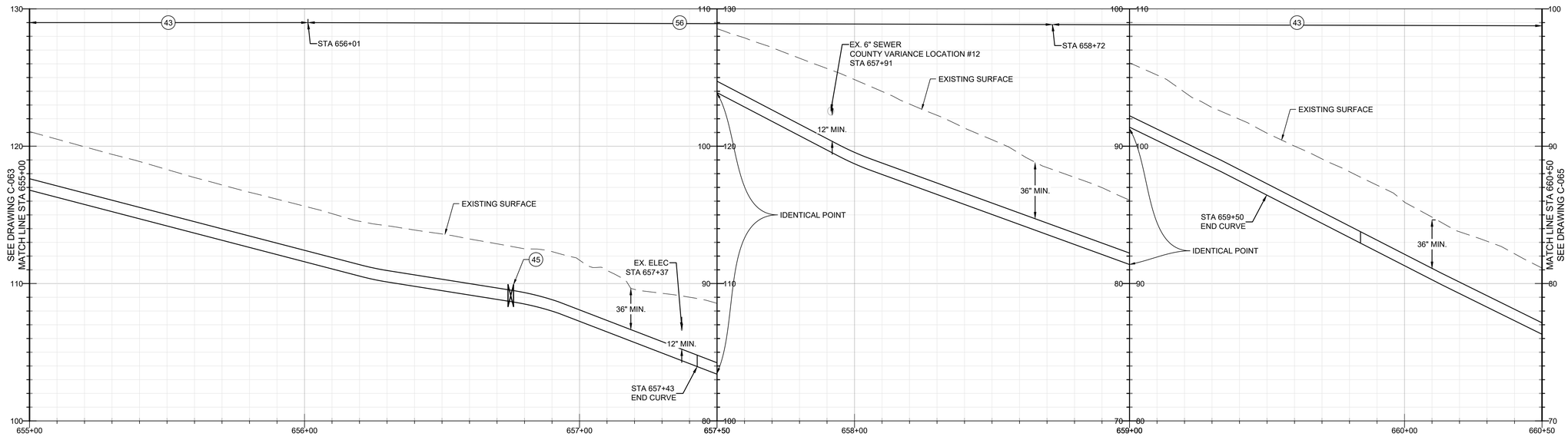
SALINAS ROAD WATER PIPELINE PLAN AND PROFILE - STA 650+00 TO STA 655+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-063

SHEET NUMBER
68 OF 158

C:\Box\Projects\CWTRC - Community Water Center\CWTRC.200476.05\PWD Proj\Eng_CAD\3 Drawings\Salinas Rd\Plan and Profile - 10.dwg
Wed 24 Feb 26 12:23:23 PM by Jorge Arreola



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(12) PROTECT UTILITY IN PLACE

(43) INSTALL 10" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE D, DRAWING C-107.

(45) INSTALL 10" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

(55) REINSTATE STREET STRIPING DISTURBED BY CONSTRUCTION IN KIND, TO MATCH EXISTING CONDITION.

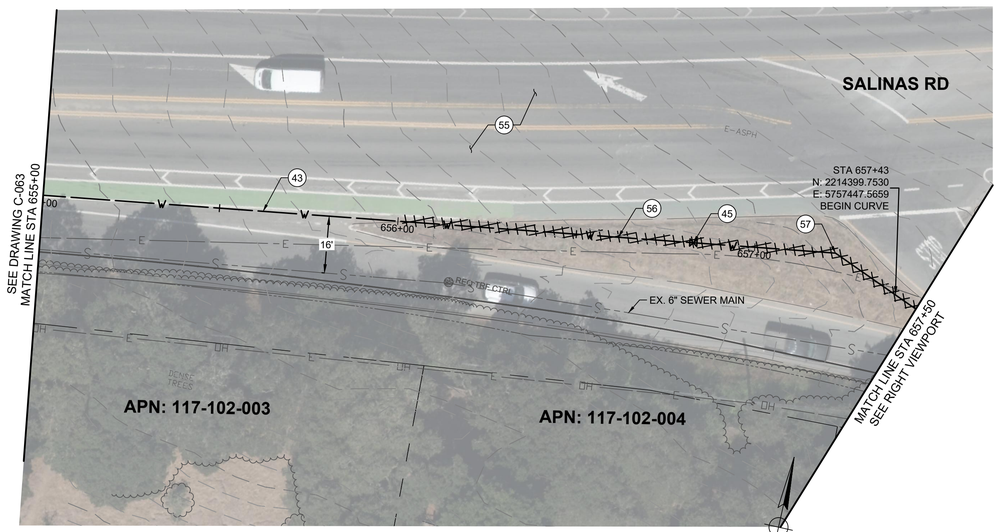
(56) INSTALL 10" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE A, DRAWING C-107.

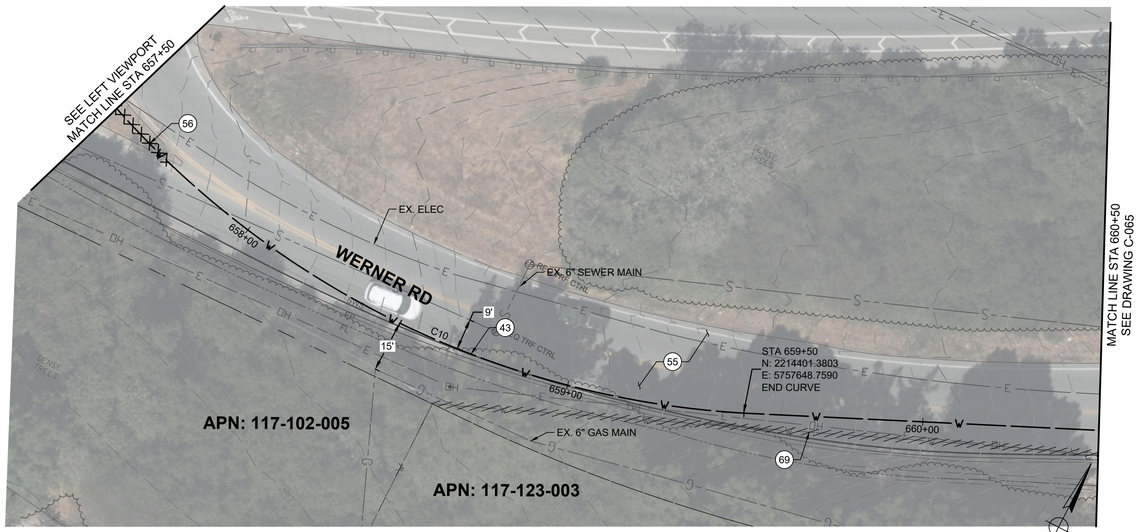
(57) INSTALL 10" 22.5-DEGREE D.I. FITTING (MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(69) ABANDON EXISTING 2" WATER MAIN PER SPECIFICATIONS.

CURVE TABLE

Curve #	RADIUS	LENGTH	DELTA	START POINT (N,E)	END POINT (N,E)
C10	254.48'	204.50'	046.04	(2214398.86, 5757449.73)	(2214401.38, 5757648.76)





PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

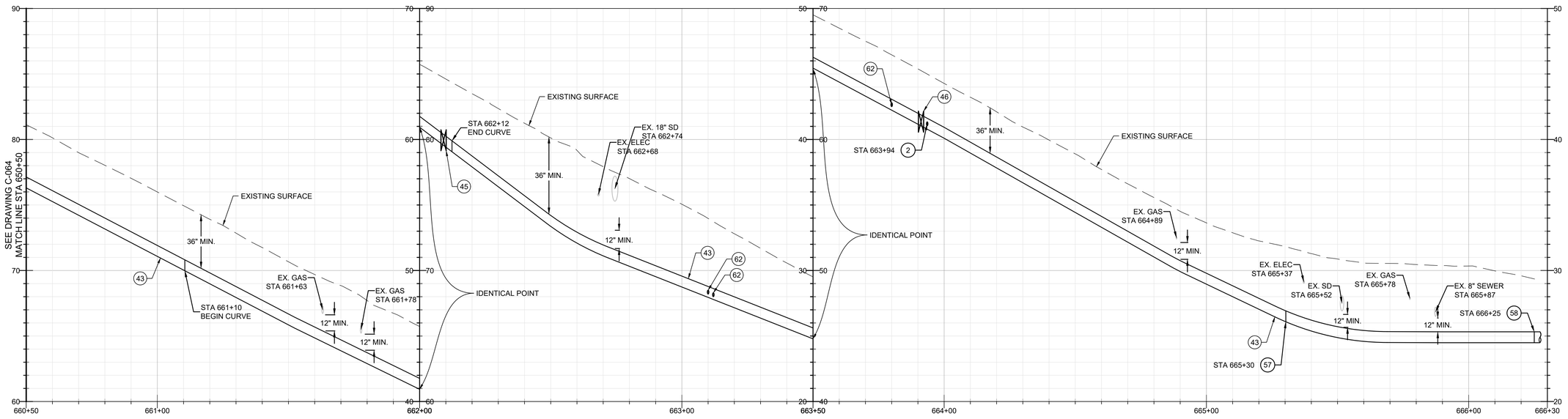
WERNER ROAD WATER PIPELINE PLAN AND PROFILE - STA 655+00 TO STA 660+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-064

SHEET NUMBER
69 OF 158

Wed Feb 25, 12:23:03 PM By: Jordyn Wadle C:\BluePrintsOWTRC - Community Water Center\OWTRC.200476.05 Pajaro\Eng_CAD\3 Drawings\Pajaro Plan And Profile - 18.dwg



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(12) PROTECT UTILITY IN PLACE

(43) INSTALL 10" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE D, DRAWING C-107.

(45) INSTALL 10" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

(46) INSTALL 10" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.

(55) REINSTATE STREET STRIPING DISTURBED BY CONSTRUCTION IN KIND, TO MATCH EXISTING CONDITION.

(57) INSTALL 10" 22.5-DEGREE D.I. FITTING (MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(58) INSTALL 10" 90-DEGREE D.I. FITTING (MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

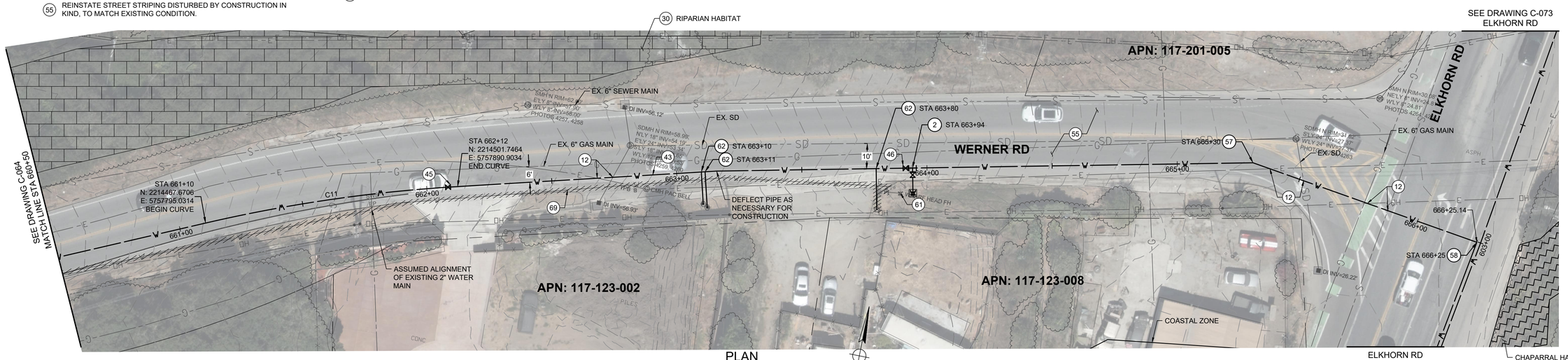
(61) REMOVE WHARF HEAD FIRE HYDRANT AND BURY. CAP AND ABANDON EXISTING LATERAL.

(62) REMOVE LATERAL CONNECTION FROM EXISTING MAIN TO METER. REPLACE AND REROUTE LATERAL CONNECTION WITH 1" WATER LATERAL BETWEEN FROM NEW MAIN TO EXISTING METER, AS SHOWN AND PER STANDARD PLAN NO. 3-02.03.

(69) ABANDON EXISTING 2" WATER MAIN PER SPECIFICATIONS.

CURVE TABLE

Curve #	RADIUS	LENGTH	DELTA	START POINT (N,E)	END POINT (N,E)
C11	606.31'	101.87'	009.63	(2214467.67, 5757795.03)	(2214501.75, 5757890.90)



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

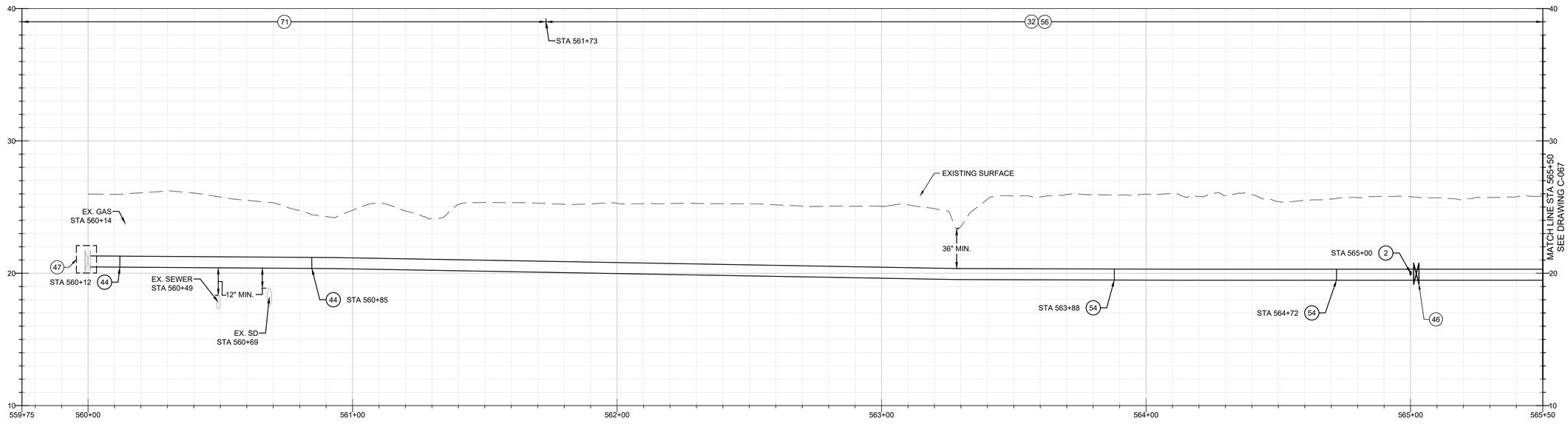
WERNER ROAD WATER PIPELINE PLAN AND PROFILE - STA 660+50 TO STA 666+25

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-065

SHEET NUMBER
70 OF 158

C:\Box\Projects\CWTRC - Community Water Center\CWTRC.200476.05\1 PSMS Proj\Eng_CAD\2 Sheets\Main Plan And Profile - 10.dwg
Tue 13 Mar 24 10:18:53 PM by Kiley Diego



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(12) PROTECT UTILITY IN PLACE

(32) APPLY HYDROSSEDING TO DISTURBED AREAS THAT ARE UNDEVELOPED FOLLOWING BACKFILLING.

(44) INSTALL 10" 45-DEGREE D.I. FITTING (MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

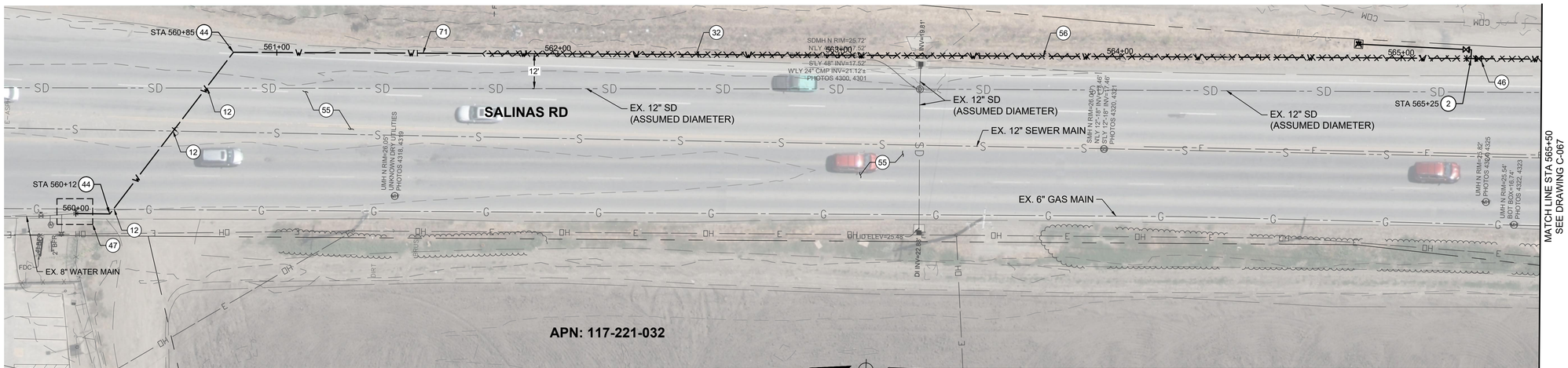
(46) INSTALL 10" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.

(47) CONNECT TO PAJARO WATER SYSTEM. CONNECTION DETAIL PER DETAIL 6, DRAWING C-077.

(55) REINSTATE STREET STRIPING DISTURBED BY CONSTRUCTION IN KIND, TO MATCH EXISTING CONDITION.

(56) INSTALL 10" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE A, DRAWING C-107.

(71) INSTALL 10" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE E, DRAWING C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

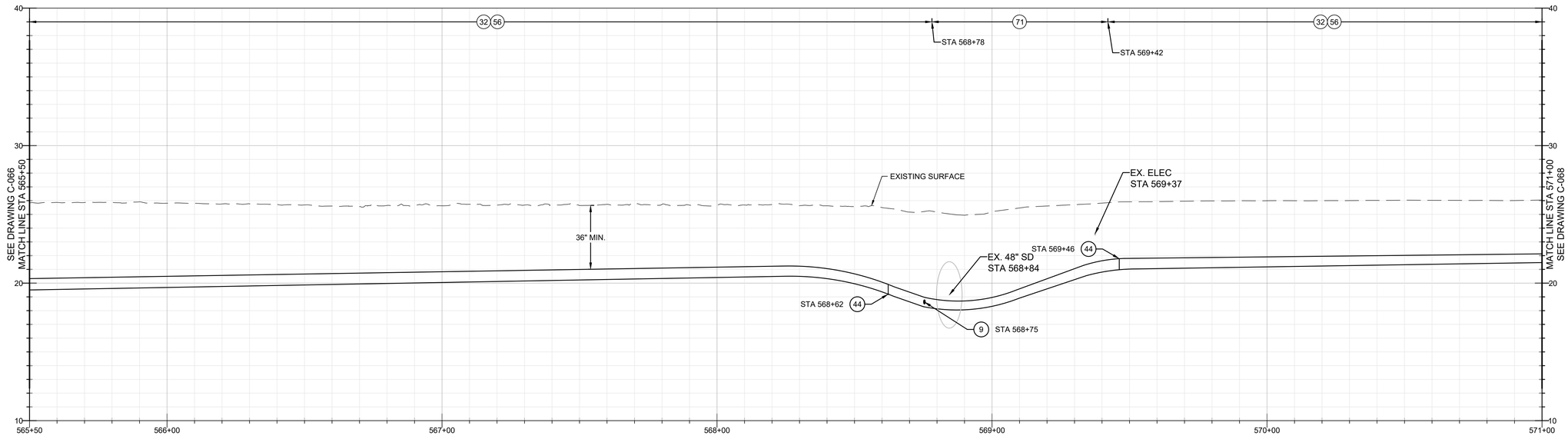
SALINAS ROAD WATER PIPELINE PLAN AND PROFILE - STA 560+00 TO STA 565+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-066

SHEET NUMBER
71 OF 158

C:\Box\Projects\CWTRC - Community Water Center\CWTRC.200476.05\83 Proj\Eng\ CADD Sheets\Base Plan And Profile - 1.dwg
Wed 11:04:28 - 01/21/26 AM by Abby Diggs



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(9) INSTALL BLOW-OFF ASSEMBLY PER STANDARD PLAN NO. 3-06. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(32) APPLY HYDROSSEEDING TO DISTURBED AREAS THAT ARE UNDEVELOPED FOLLOWING BACKFILLING.

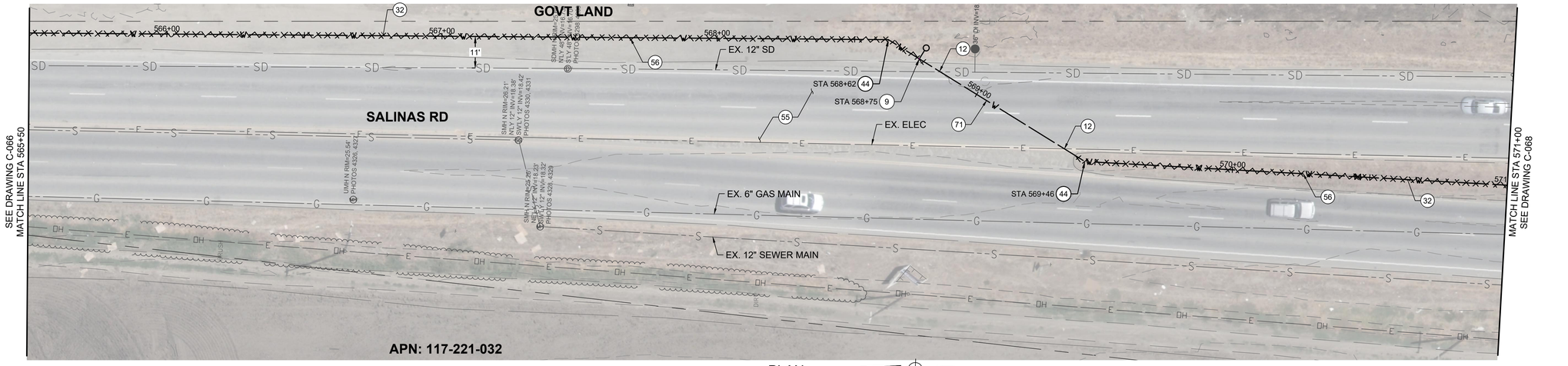
(44) INSTALL 10" 45-DEGREE D.I. FITTING (MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(45) INSTALL 10" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

(55) REINSTATE STREET STRIPING DISTURBED BY CONSTRUCTION IN KIND, TO MATCH EXISTING CONDITION.

(56) INSTALL 10" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE A, DRAWING C-107.

(71) INSTALL 10" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE E, DRAWING C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

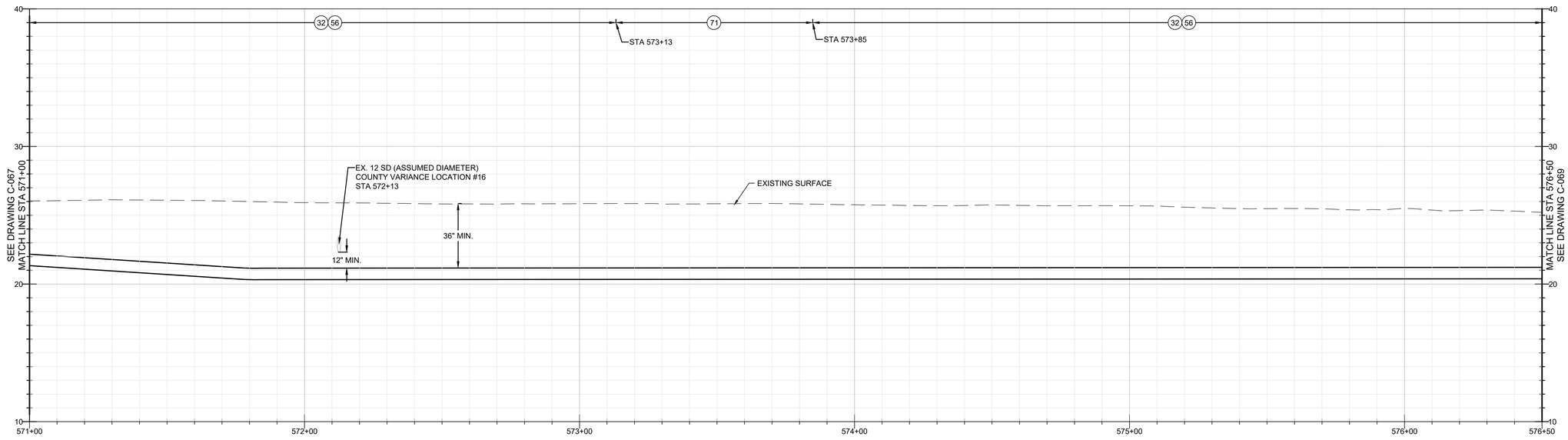
SALINAS ROAD WATER PIPELINE PLAN AND PROFILE - STA 565+50 TO STA 571+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-067

SHEET NUMBER
72 OF 158

© Boyl Projects\CWTRC - Community Water Center\CWTRC.200476.05 P&S Proj\Eng_CAD\ Sheet\Main Pipeline Plan And Profile - 19.dwg
Tue, 10 Mar 26 21:54:43 PM by Riley Dorgo



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

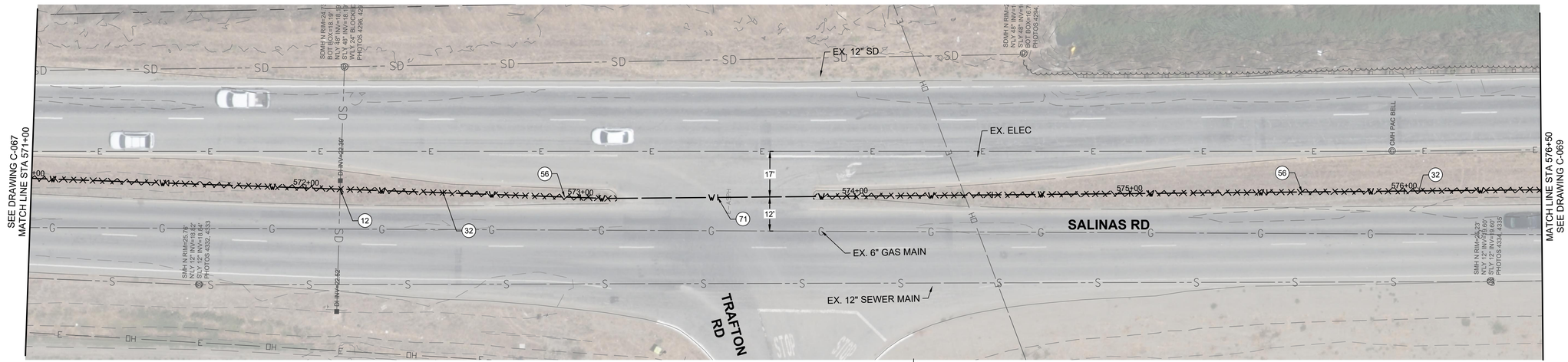
CONSTRUCTION KEY NOTES

(12) PROTECT UTILITY IN PLACE

(32) APPLY HYDROSSEDING TO DISTURBED AREAS THAT ARE UNDEVELOPED FOLLOWING BACKFILLING.

(56) INSTALL 10" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE A, DRAWING C-107.

(71) INSTALL 10" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE E, DRAWING C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

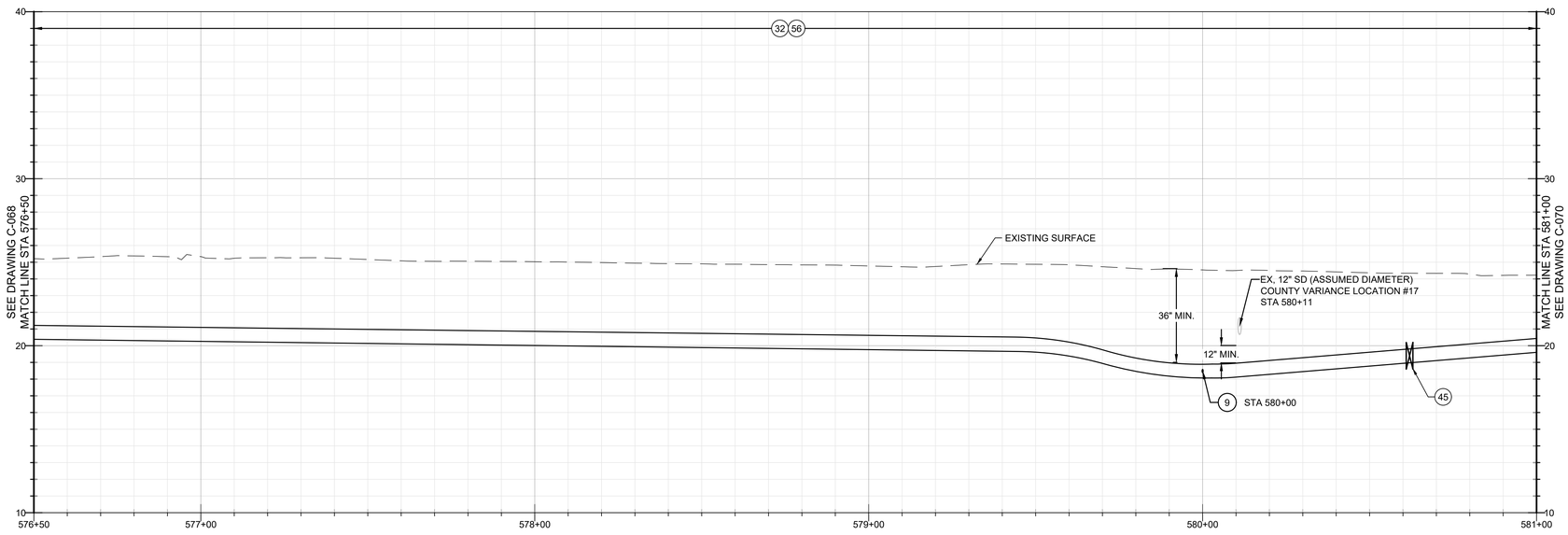
SALINAS ROAD WATER PIPELINE PLAN AND PROFILE - STA 571+00 TO STA 576+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-068

SHEET NUMBER
73 OF 158

C:\Box\Projects\CWTRC - Community Water Center\CWTRC.200476.05 Fitted Proj\Eng_CAD\2 Base\Water Pipeline Plan And Profile - 10.dwg
Tue 10 Mar,26 01:24:43 PM by Kiley Drago



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

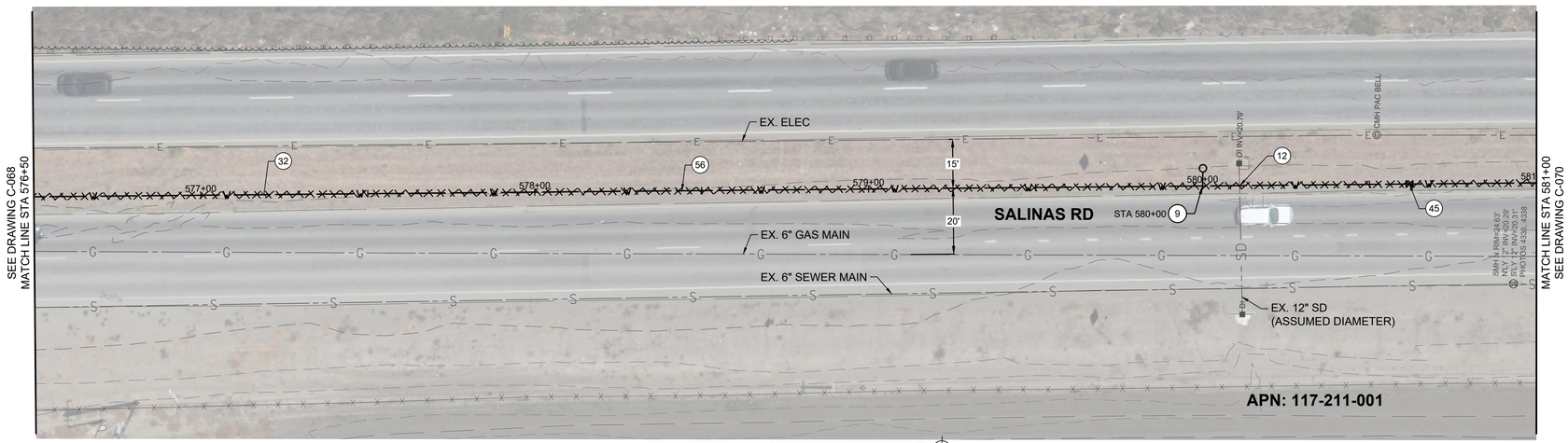
(9) INSTALL BLOW-OFF ASSEMBLY PER STANDARD PLAN NO. 3-06.
INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(12) PROTECT UTILITY IN PLACE

(32) APPLY HYDROSSEDING TO DISTURBED AREAS THAT ARE UNDEVELOPED FOLLOWING BACKFILLING.

(45) INSTALL 10" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

(56) INSTALL 10" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE A, DRAWING C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

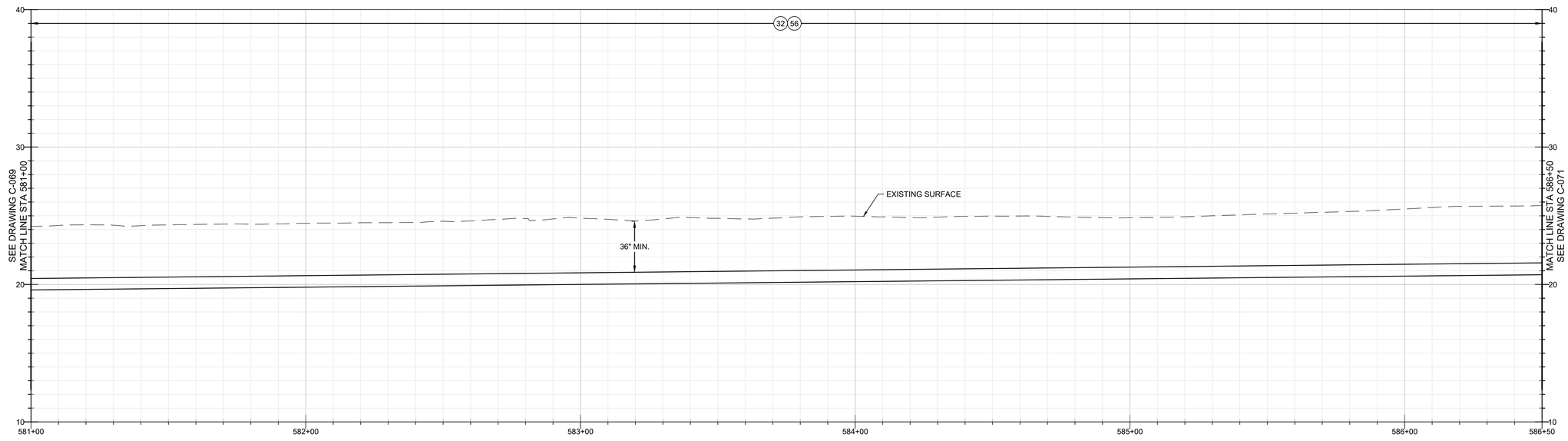
SALINAS ROAD WATER PIPELINE PLAN AND PROFILE - STA 576+50 TO STA 581+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-069

SHEET NUMBER
74 OF 158

C:\Bur\Projects\CWTRC - Community Water Center\CWTRC.200476.05\PS&E Prep\C_CAD Drawings\Pajaro Plan And Profile - 1.dwg
Tue 10:04:26 01:34:43 PM by Kiley Diego



PROFILE

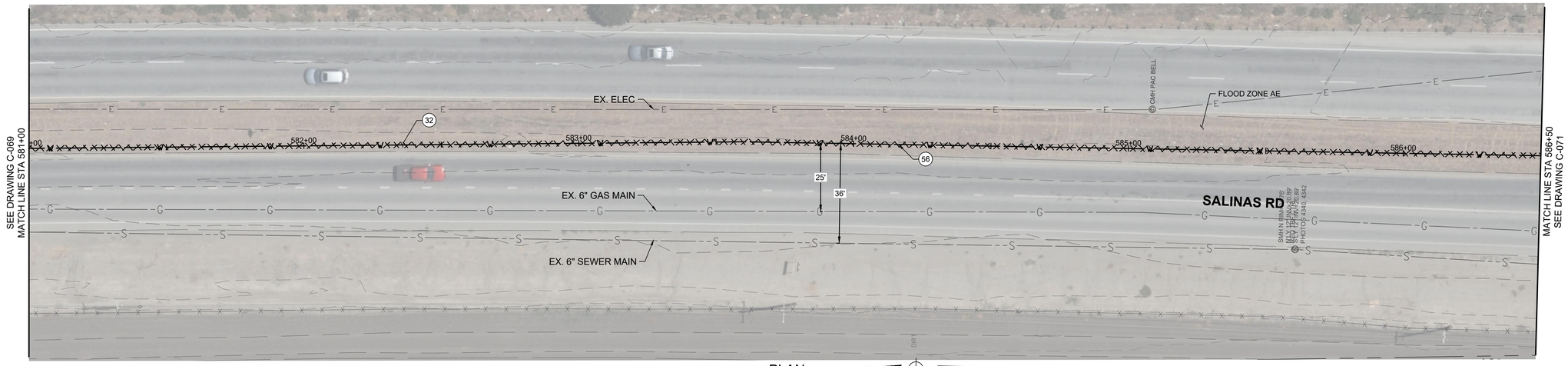
20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(32) APPLY HYDROSSEDING TO DISTURBED AREAS THAT ARE UNDEVELOPED FOLLOWING BACKFILLING.

(56) INSTALL 10" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE A, DRAWING C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

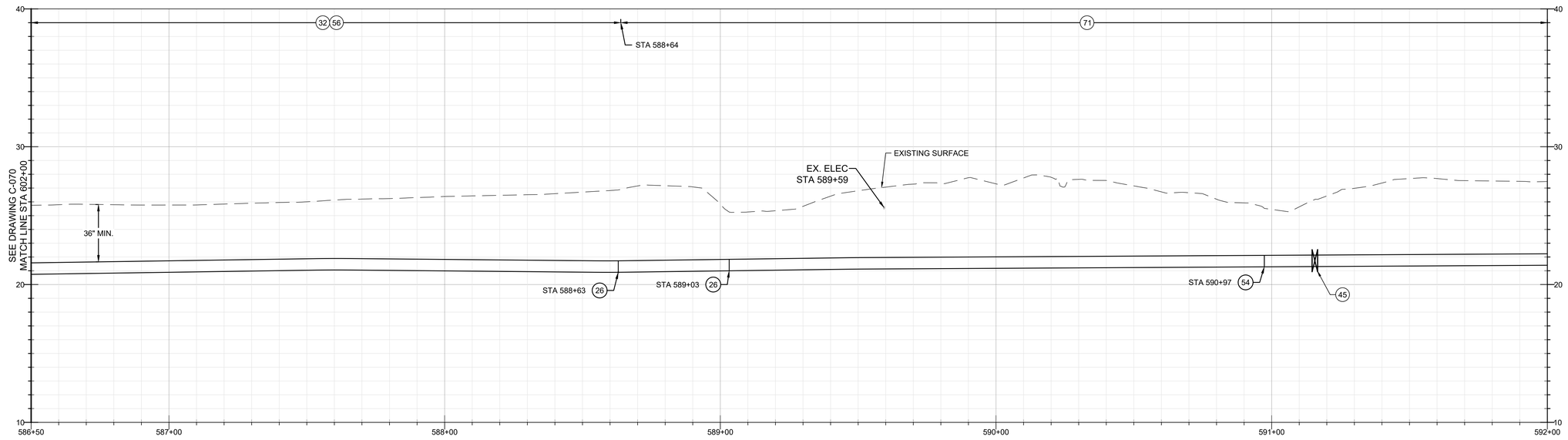
SALINAS ROAD WATER PIPELINE PLAN AND PROFILE - STA 581+00 TO STA 586+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-070

SHEET NUMBER
75 OF 158

© Box Projects/CWTRC - Community Water Center/CWTRC.200476.05 P365 Proj Eng_CAD/Sheet Files/Plan And Profile - 1.dwg
Tue 15 Apr 26 21:14:42 Riley (Mtn Design



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(12) PROTECT UTILITY IN PLACE

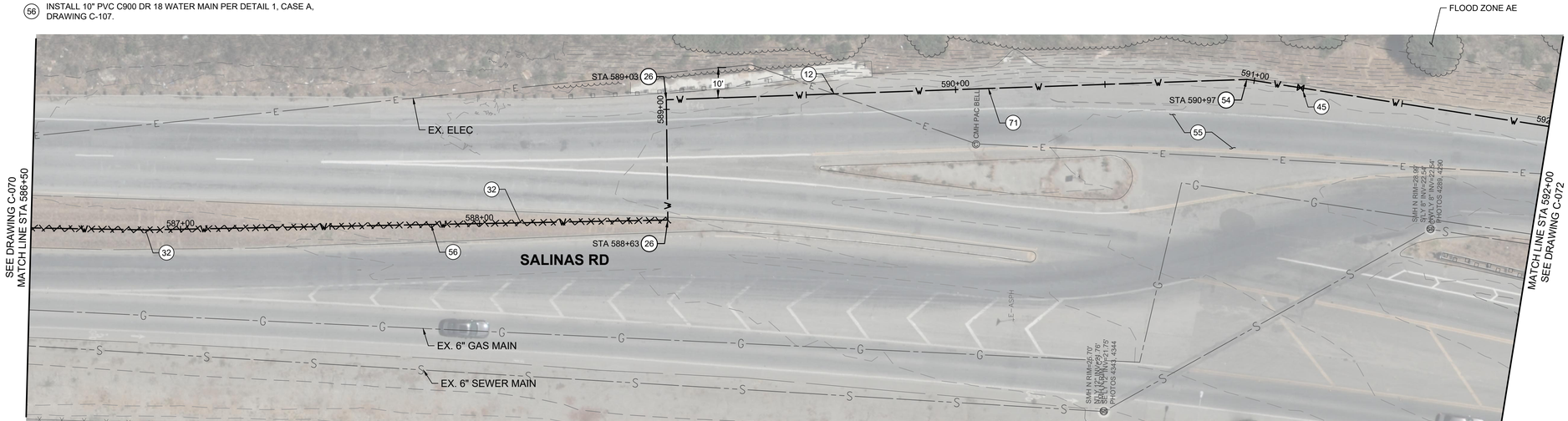
(26) INSTALL 10" 90-DEGREE D.I. FITTING (MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(45) INSTALL 10" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

(54) INSTALL 10" 11.25-DEGREE D.I. FITTING (MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(55) REINSTATE STREET STRIPING DISTURBED BY CONSTRUCTION IN KIND, TO MATCH EXISTING CONDITION.

(56) INSTALL 10" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE A, DRAWING C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

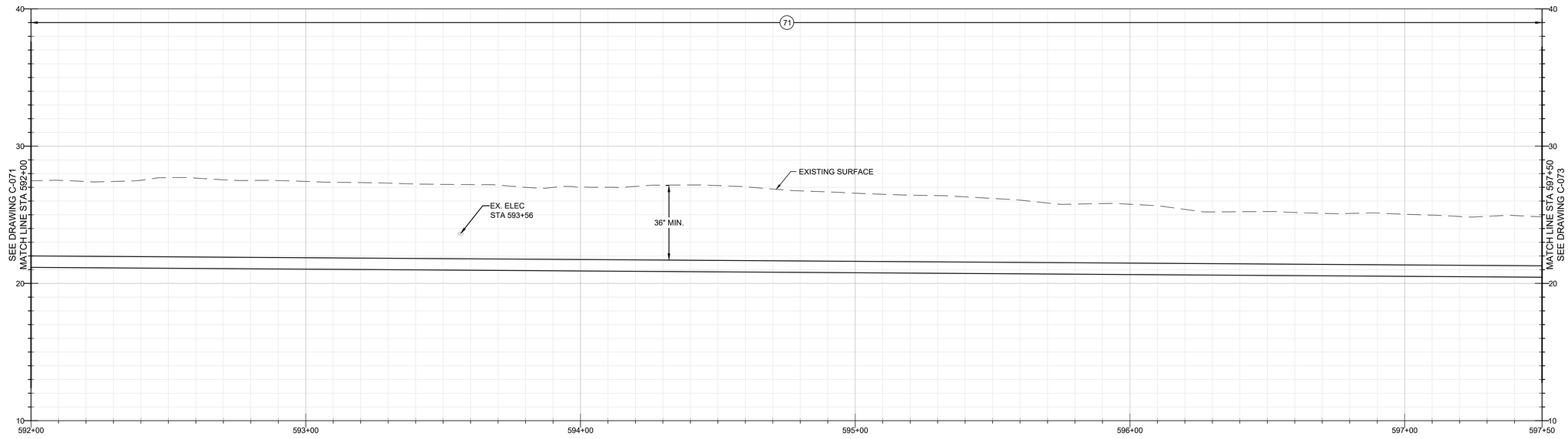
SALINAS ROAD WATER PIPELINE PLAN AND PROFILE - STA 586+50 TO STA 592+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-071

SHEET NUMBER
76 OF 158

C:\Box\Projects\CWTRC - Community Water Center\CWTRC.200476.05 PSSD Proj\C-CAD\ Shared\Base Plans\Plan And Profile - 11.dwg
Tue 10 Dec 24 - 07:34:48 PM by Joby Diego



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

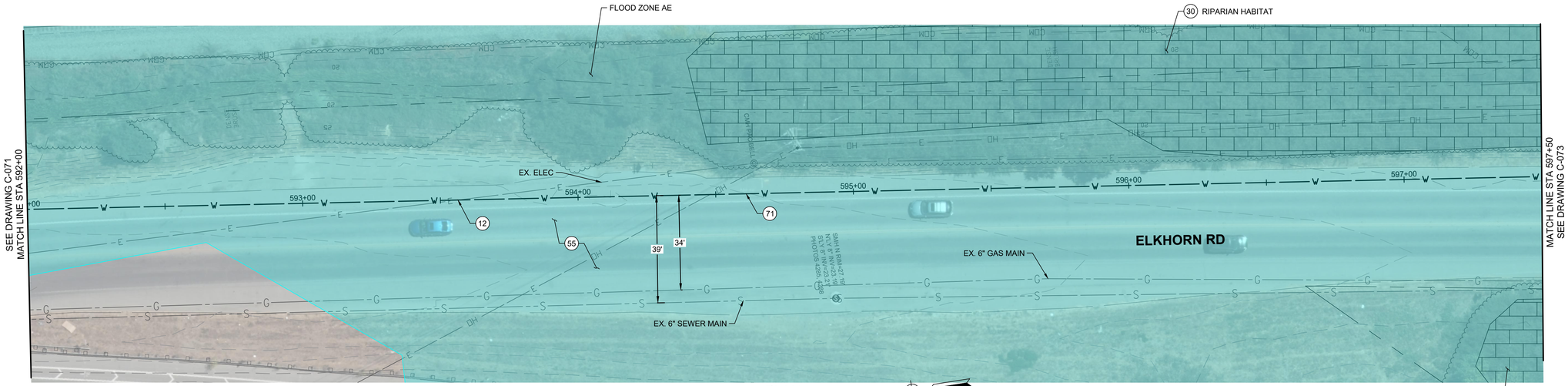
CONSTRUCTION KEY NOTES

(12) PROTECT UTILITY IN PLACE

(30) ESA-RIPARIAN HABITAT, COMPLY WITH ENVIRONMENTAL PROTECTION REQUIREMENTS.

(55) REINSTATE STREET STRIPING DISTURBED BY CONSTRUCTION IN KIND, TO MATCH EXISTING CONDITION.

(71) INSTALL 10" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE E, DRAWING C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

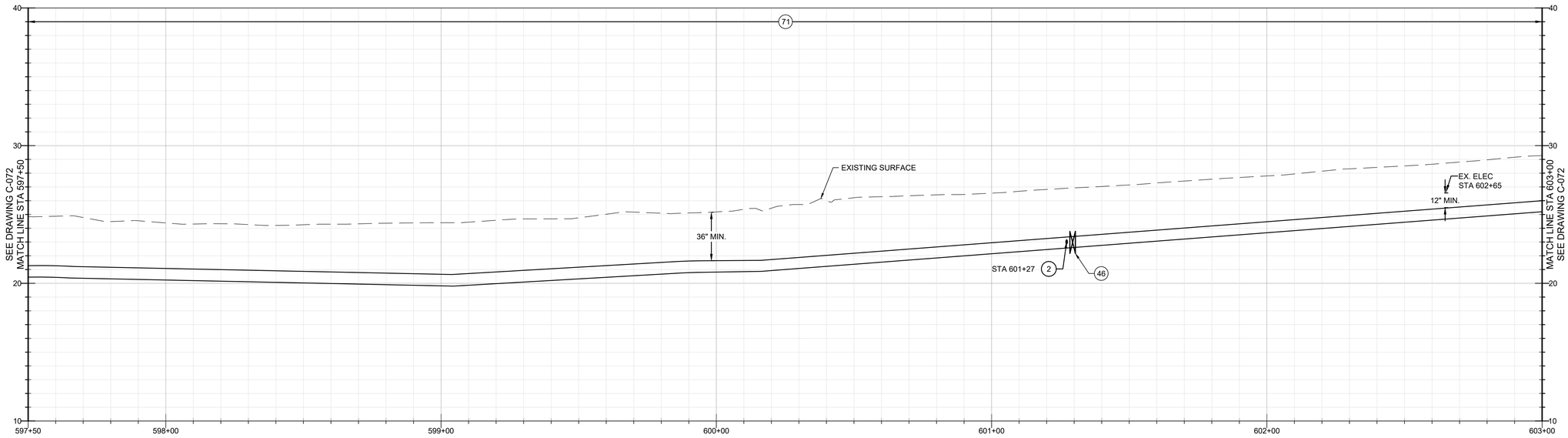
ELKHORN ROAD WATER PIPELINE PLAN AND PROFILE - STA 592+00 TO STA 597+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-072

SHEET NUMBER
77 OF 158

C:\Box\Projects\CWTRC - Community Water Center\CWTRC.200476.05 PWD Proj Eng_CAD\3 Base\Base Drafting Plan And Profile - 20.dwg
Wed 11 Mar 26 - 09:41:32 AM by: KMay (Pango)



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

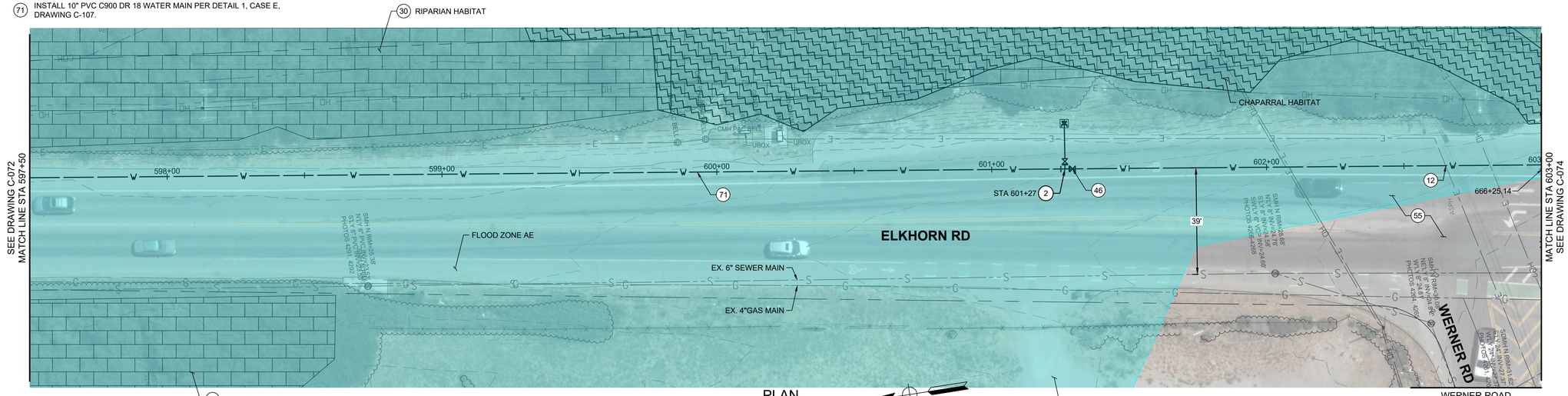
(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(46) INSTALL 10" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.

(48) INSTALL 10" PVC C900 DR 18 DISTRIBUTION WATER MAIN AND 10" PVC C900 DR 18 TRANSMISSION WATER MAIN IN DUAL TRENCH PER DETAIL 1, CASE G, DRAWING C-107.

(55) REINSTATE STREET STRIPING DISTURBED BY CONSTRUCTION IN KIND, TO MATCH EXISTING CONDITION.

(71) INSTALL 10" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE E, DRAWING C-107.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

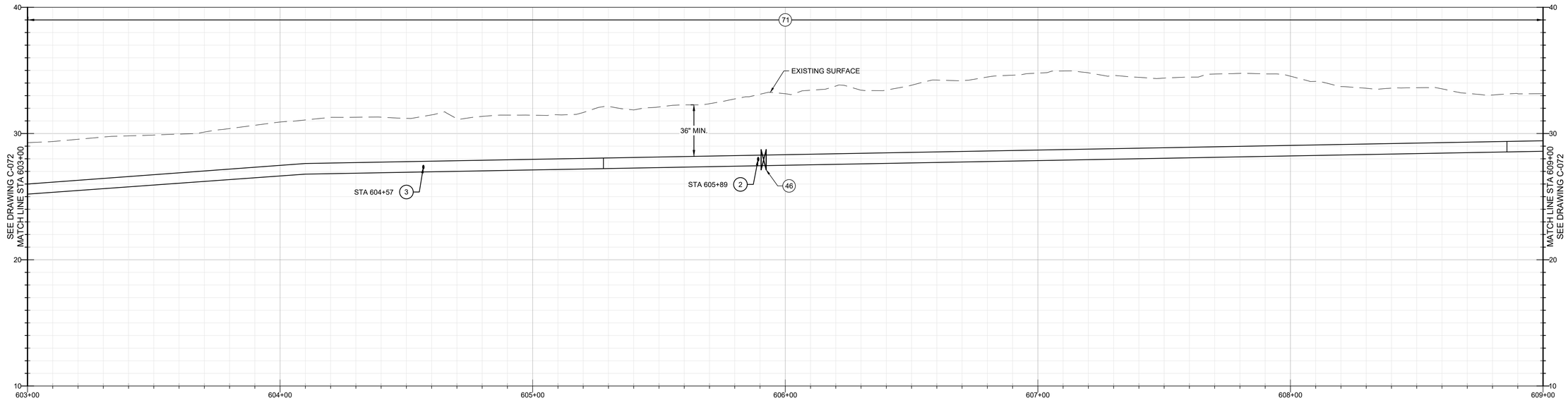
ELKHORN ROAD WATER PIPELINE PLAN AND PROFILE - STA 597+50 TO STA 603+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-073

SHEET NUMBER
78 OF 158

© SlcoProjects\CWTRC - Community Water Center\CWTRC.200476.05 PSMS Proj\Eng_CAD\3 Sheets\Main Pipeline Plan And Profile - 20.dwg
Wed 11:Mar:26 08:41:32 AM by Alex Dargo



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

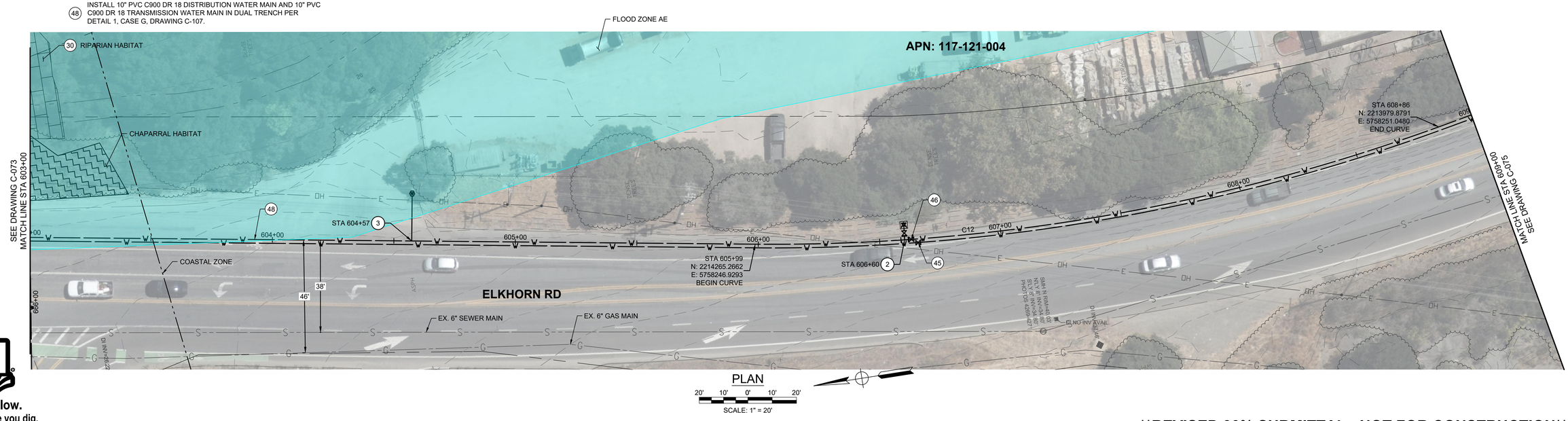
(3) INSTALL 1" WATER SERVICE, 3/4" METER, AND METER BOX PER STANDARD PLAN NO. 3-02.03 AND DETAIL 1, CASE F, DRAWING C-107. REFER TO DRAWINGS C-078 THROUGH C-097 FOR PRIVATE LATERAL PLAN.

(30) ESA-RIPARIAN HABITAT, COMPLY WITH ENVIRONMENTAL PROTECTION REQUIREMENTS.

(46) INSTALL 10" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.

(48) INSTALL 10" PVC C900 DR 18 DISTRIBUTION WATER MAIN AND 10" PVC C900 DR 18 TRANSMISSION WATER MAIN IN DUAL TRENCH PER DETAIL 1, CASE G, DRAWING C-107.

CURVE TABLE					
Curve #	RADIUS	LENGTH	DELTA	START POINT (N,E)	END POINT (N,E)
C13	1000.00'	403.11'	023.10	(2213894.46, 5758267.81)	(2213524.95, 5758422.01)



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

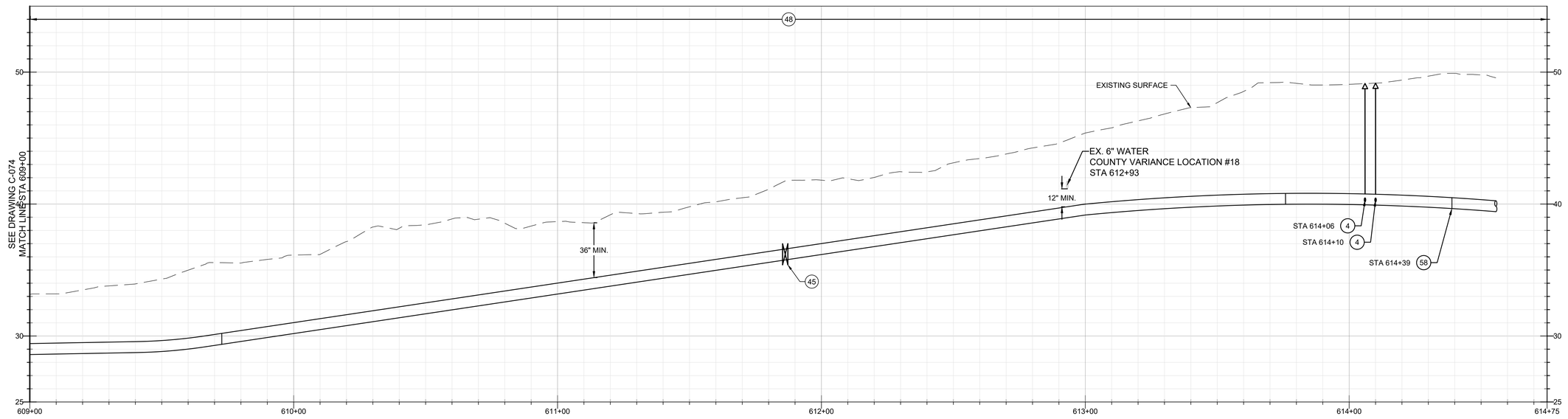
ELKHORN ROAD DUAL WATER PIPELINE PLAN AND PROFILE - STA 603+00 TO STA 609+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-074

SHEET NUMBER
79 OF 158

C:\Dev\Projects\CWTRC - Community Water Ocean\CWTRC.200476.05 PSMS Proj\Eng (CAD)\Sheet\Water Pipeline Plan And Profile - 20.dwg
Wed 11 Mar 26, 08:41:32 AM by Riley Dorge



PROFILE

20' 0' 20'

HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

(4) INSTALL AIR/VACUUM RELEASE VALVE ASSEMBLY PER STANDARD PLAN NO. 3-11. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(12) PROTECT UTILITY IN PLACE

(45) INSTALL 10" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

(48) INSTALL 10" PVC C900 DR 18 DISTRIBUTION WATER MAIN AND 10" PVC C900 DR 18 TRANSMISSION WATER MAIN IN DUAL TRENCH PER DETAIL 1, CASE G, DRAWING C-107.

(52) INSTALL 10" LINE GATE VALVE (FLG) PER STANDARD PLAN NO. 3-07.01.

(53) INSTALL 10" BLIND FLANGE.

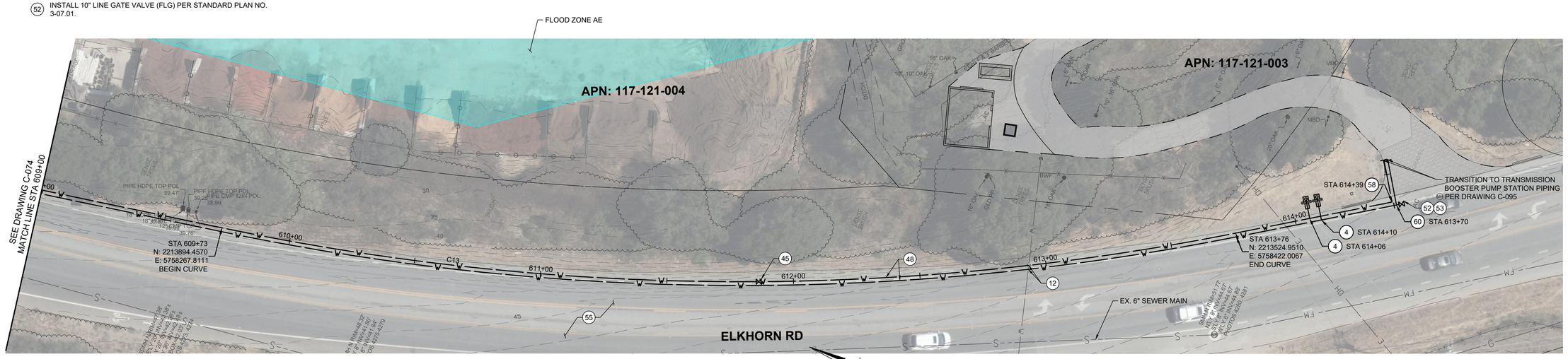
(55) REINSTATE STREET STRIPING DISTURBED BY CONSTRUCTION IN KIND, TO MATCH EXISTING CONDITION.

(58) INSTALL 10" 90-DEGREE D.I. FITTING (MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(60) INSTALL 10" D.I. TEE (FLG) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

CURVE TABLE

Curve #	RADIUS	LENGTH	DELTA	START POINT (N,E)	END POINT (N,E)
C13	1000.00'	403.11'	023.10	(2213894.46, 5758267.81)	(2213524.95, 5758422.01)



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

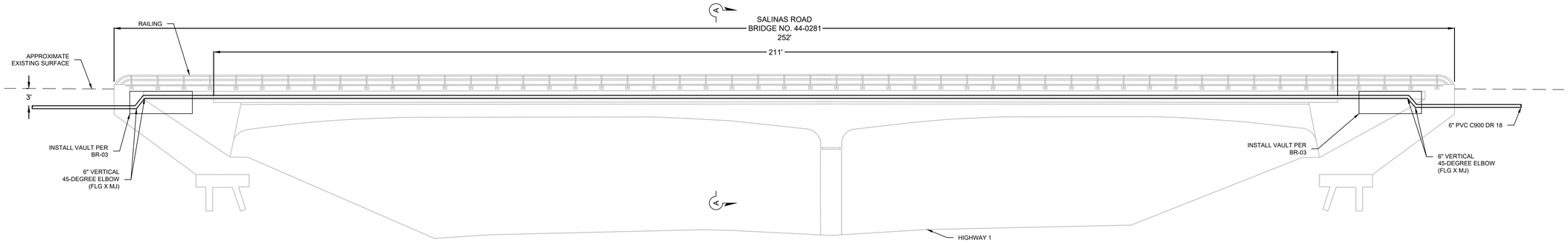
ELKHORN ROAD WATER PIPELINE PLAN AND PROFILE - STA 609+00 TO STA 614+75

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-075

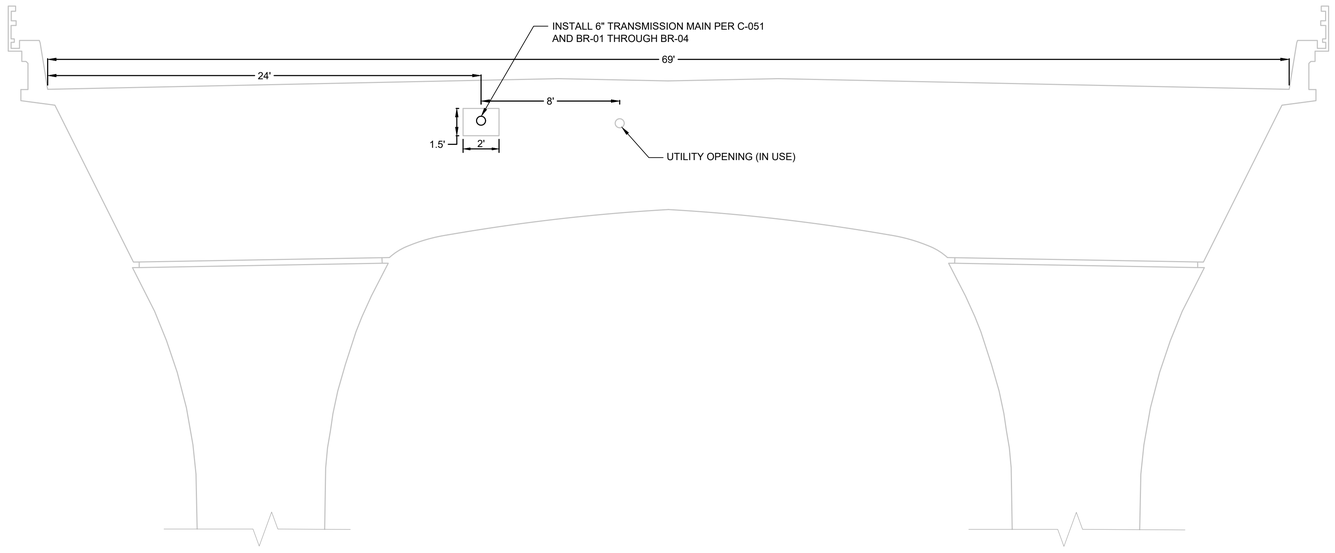
SHEET NUMBER
80 OF 158

C:\Bluebeam\CWTRC - Community Water Center\CWTRC.200476.05\PSMS Prof\Dwg_CADD Sheets\Base Plans Prof Profile - 2.dwg
Wed 11 Mar 26 - 08:11:52 AM by Kelly Diego



ELEVATION PLAN

SCALE: 1" = 4'



A-A SECTION

SCALE: 1" = 4'

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

REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

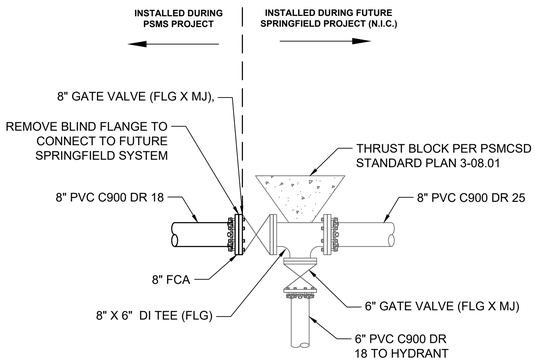
CALTRANS CROSSING DETAILS

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-076

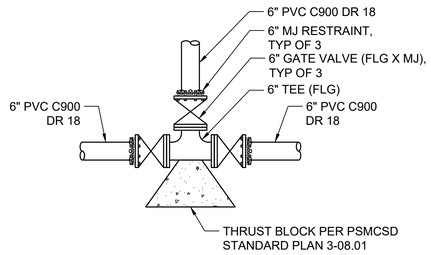
SHEET NUMBER
81 OF 158

Wed, 28 Jan 26 13:21:28 Plot by: Hope Mallory
C:\Box\Projects\Pajaro - Community Water Consolidation\200476.05 Plans Proj\Eng_CAD\2 Sheets\Caltrans Crossing Details.dwg



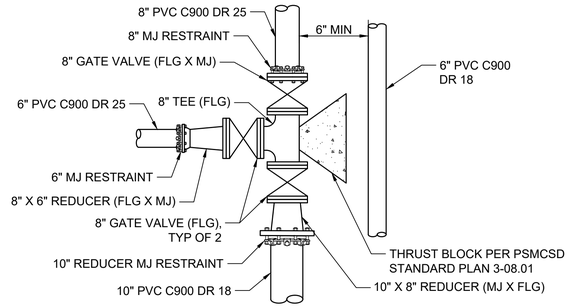
CONNECTION DETAIL STA 86+93.46 — 1 / C-006

SCALE: 1" = 2'



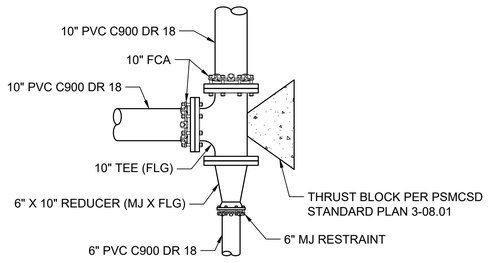
CONNECTION DETAIL STA 157+90 = STA 210+00 — 2 / C-008,C-016

SCALE: 1" = 2'



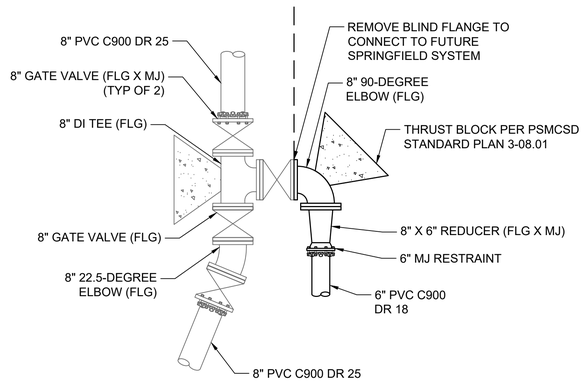
CONNECTION DETAIL STA 197+52 = STA 255+41 — 3 / C-015,C-021

SCALE: 1" = 2'



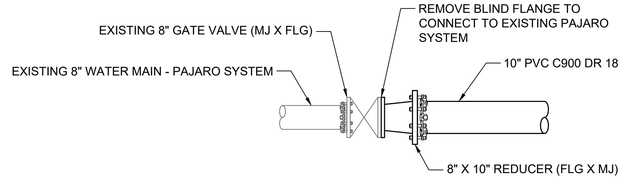
CONNECTION DETAIL STA 253+27 — 4 / C-021

SCALE: 1" = 2'



CONNECTION DETAIL STA 400+00 — 5 / C-029

SCALE: 1" = 2'



CONNECTION DETAIL STA 560+00 — 6 / C-066

SCALE: 1" = 2'

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

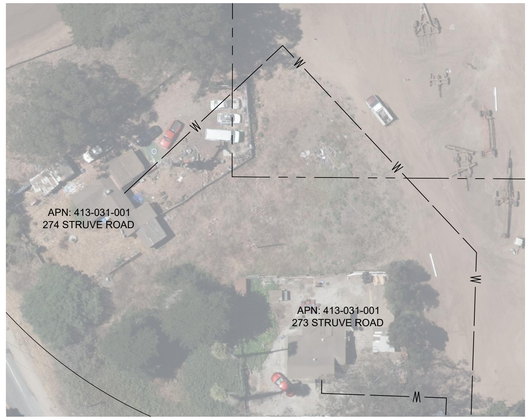
0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

CONNECTION DETAILS

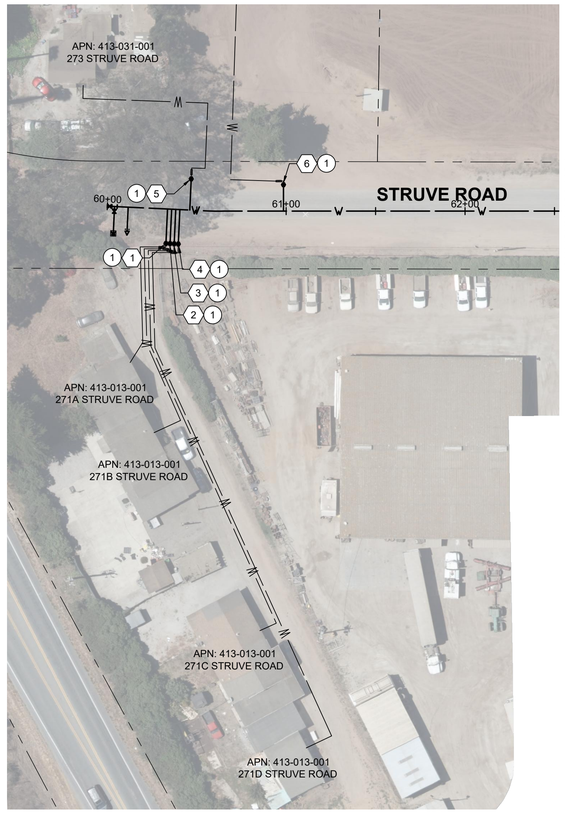
PROJECT NUMBER: CWTRC.200476.05
DRAWING NUMBER: C-077
SHEET NUMBER: 82 OF 158

© BluePrintSmart - Community Water Center\work\c200476.05 Pajaro Proj\Eng_CAD\3 Sheets\Connection Details.dwg
Wed 03 Dec 25 07:23:39 AM by: Hoyo Makeup



SEE BELOW
FOR CONTINUATION

SEE ABOVE
FOR CONTINUATION



SEE RIGHT
FOR CONTINUATION



SEE LEFT FOR
CONTINUATION

40' 20' 0' 20' 40'
SCALE: 1" = 40'

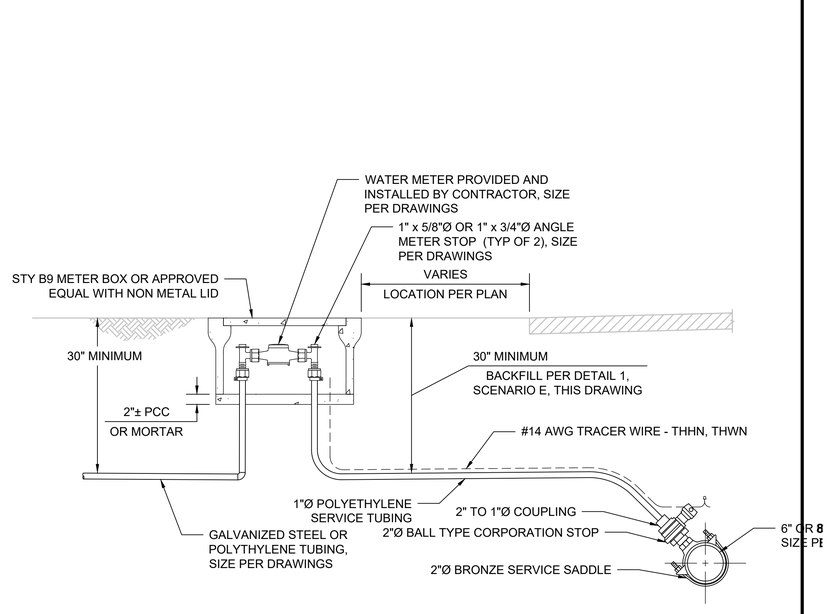
PRIVATE LATERAL LOCATION SCHEDULE				
LABEL NO.	LATERAL SIZE	MAIN STATION	NORTHING	EASTING
1	1"	60+33.69	2194836.8956	5748106.5391
2	1"	60+36.01	2194839.1993	5748106.7094
3	1"	60+38.31	2194841.4921	5748106.8797
4	1"	60+40.59	2194843.7904	5748107.0501
5	1"	60+46.11	2194849.3157	5748107.4596
6	1"	60+98.52	2194901.6521	5748109.4921
7	3/4"	78+24.34	2196626.8337	5748157.2274
8	3/4"	80+85.61	2196887.9803	5748164.4517

CONSTRUCTION NOTE

1. INSTALL 3/4" WATER METER PER DETAIL 1, THIS DRAWING.
2. POINT OF CONNECTION TO RESIDENCE. CONTRACTOR SHALL COORDINATE EXACT CONNECTION METHOD OUTSIDE OF EACH HOME WITH EACH RESIDENCE AND PROPERTY OWNER BASED ON EXISTING PIPING CONFIGURATION.

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE PRIVATE LATERAL INSTALLATION WITH PROPERTY OWNER.
2. TRENCHLESS INSTALLATION SHALL BE USED WHERE FEASIBLE FOR ALL PRIVATE LATERALS. ALL TRENCHES SHALL BE REPAIRED TO MATCH EXISTING SURFACE CONDITIONS PRIOR TO INSTALLATION.
3. REFER TO DETAIL 1, THIS DRAWING FOR INSTALLATION OF LATERALS.



WATER METER AND LATERAL DETAIL 1
VARIOUS

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027
1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

WATER SERVICE LATERALS - 1

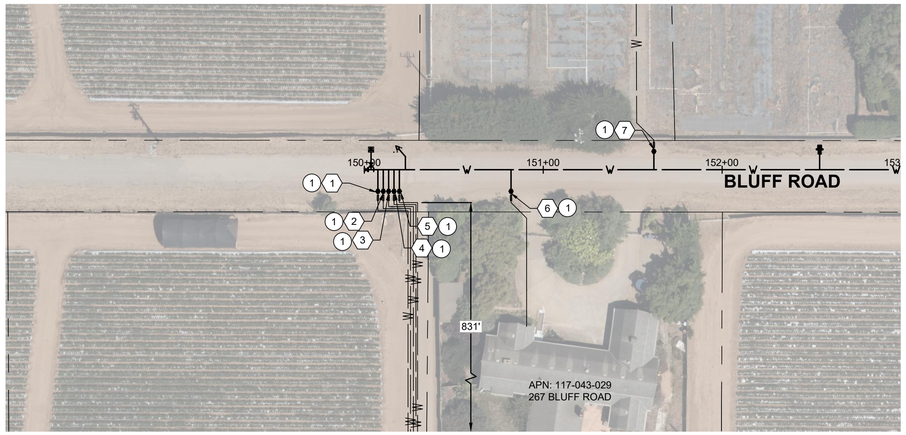
PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-078

SHEET NUMBER
83 OF 158

F:\1\Jobs_28\3\24\A\B\by Odge
C:\Bluebeam\Projects\CWTRC - Community Assist Center\CWTRC.200476.05 SHEET Proj\Engr_CADD Sheet\Water Service Laterals 1.dwg

SEE BELOW
FOR CONTINUATION



SEE SHEET C-080
FOR CONTINUATION

SEE BELOW
FOR CONTINUATION

PRIVATE LATERAL LOCATION SCHEDULE				
LABEL NO.	LATERAL SIZE	MAIN STATION	NORTHING	EASTING
1	1"	150+07.59	2207094.71	5742946.7031
2	1"	150+10.58	2207093.47	5742949.4347
3	1"	150+13.58	2207092.23	5742952.1662
4	1"	150+16.59	2207090.99	5742954.8978
5	1"	150+19.58	2207089.75	5742957.6293
6	1"	150+82.00	2207063.94	5743014.4654
7	1"	151+61.87	2207030.92	5743087.1722

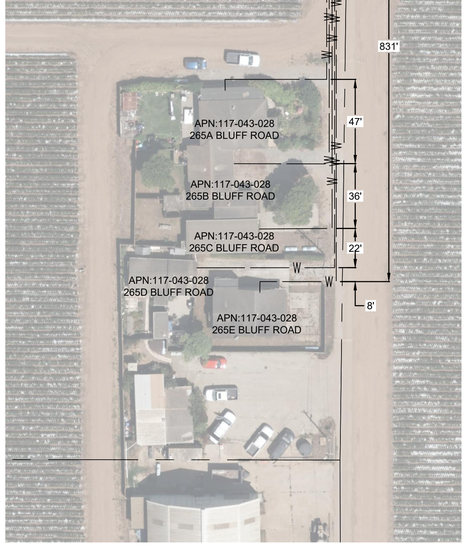
CONSTRUCTION NOTE

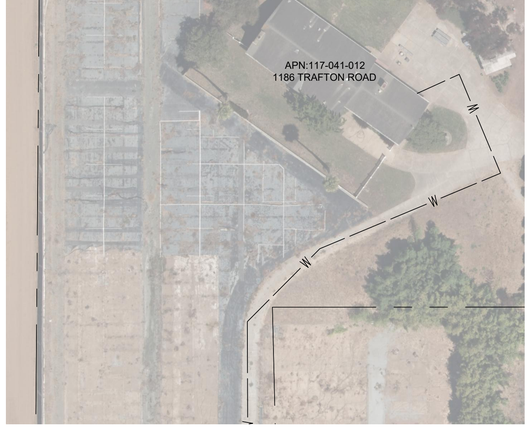
1. INSTALL 3/4" WATER METER PER DETAIL 1, DRAWING C-078.
2. POINT OF CONNECTION TO RESIDENCE. CONTRACTOR SHALL COORDINATE EXACT CONNECTION METHOD OUTSIDE OF EACH HOME WITH EACH RESIDENCE AND PROPERTY OWNER BASED ON EXISTING PIPING CONFIGURATION.

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE PRIVATE LATERAL INSTALLATION WITH PROPERTY OWNER.
2. TRENCHLESS INSTALLATION SHALL BE USED WHERE FEASIBLE FOR ALL PRIVATE LATERALS. ALL TRENCHES SHALL BE REPAIRED TO MATCH EXISTING SURFACE CONDITIONS PRIOR TO INSTALLATION.
3. REFER TO DETAIL 1, DRAWING C-078 FOR INSTALLATION OF LATERALS.

SEE ABOVE
FOR CONTINUATION





SEE ABOVE
FOR CONTINUATION

40' 20' 0' 20' 40'
SCALE: 1" = 40'

Know what's below.
Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

WATER SERVICE LATERALS - 2

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-079

SHEET NUMBER
84 OF **158**

© Boe/Projects/CWTRC - Community Water Center/CWTRC.200476.05 P3M3 Proj Eng./CADD Sheet/Water Service Laterals 1-6.dwg
Fri 13Mar26 09:53:04 Abby Depp



SEE BELOW
FOR CONTINUATION

PRIVATE LATERAL LOCATION SCHEDULE				
LABEL NO.	LATERAL SIZE	MAIN STATION	NORTHING	EASTING
1	1"	153+52.08	2206952.26	5743260.3954
2	1"	153+55.10	2206951.02	5743263.1269
3	1"	153+58.10	2206949.78	5743265.8585
4	3/4"	153+61.10	2206948.54	5743268.5900
5	1"	154+66.13	2206905.11	5743364.2178
6	1"	154+69.11	2206903.87	5743366.9494
7	1"	161+27.81	2206631.53	5743966.6801

CONSTRUCTION NOTE

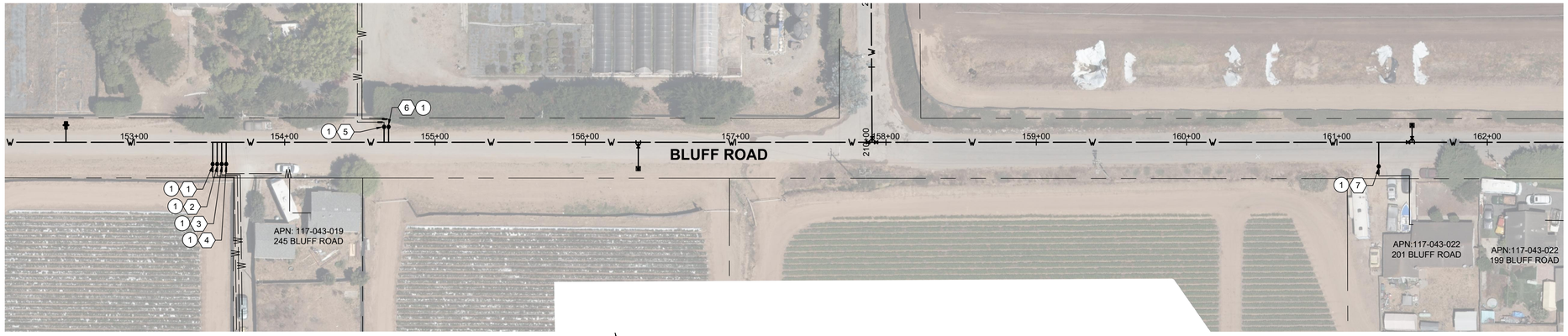
1. INSTALL 3/4" WATER METER PER DETAIL 1, DRAWING C-078.
2. POINT OF CONNECTION TO RESIDENCE. CONTRACTOR SHALL COORDINATE EXACT CONNECTION METHOD OUTSIDE OF EACH HOME WITH EACH RESIDENCE AND PROPERTY OWNER BASED ON EXISTING PIPING CONFIGURATION.

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE PRIVATE LATERAL INSTALLATION WITH PROPERTY OWNER.
2. TRENCHLESS INSTALLATION SHALL BE USED WHERE FEASIBLE FOR ALL PRIVATE LATERALS. ALL TRENCHES SHALL BE REPAIRED TO MATCH EXISTING SURFACE CONDITIONS PRIOR TO INSTALLATION.
3. REFER TO DETAIL 1, DRAWING C-078 FOR INSTALLATION OF LATERALS.

SEE ABOVE
FOR CONTINUATION

SEE SHEET C-079 FOR
CONTINUATION

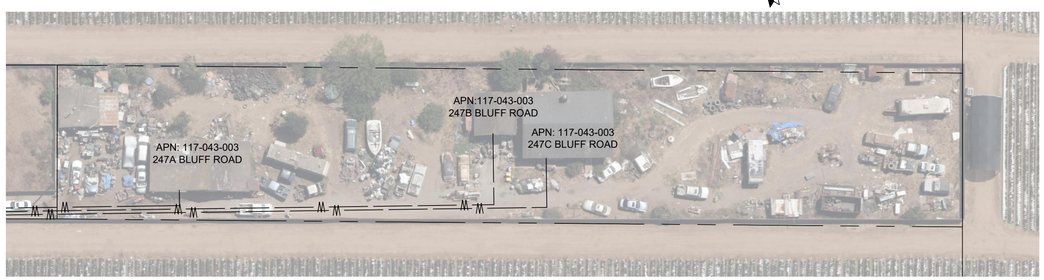


SEE SHEET C-081
FOR CONTINUATION

SEE BELOW
FOR CONTINUATION

40' 20' 0' 20' 40'
SCALE: 1" = 40'

SEE ABOVE
FOR CONTINUATION



40' 20' 0' 20' 40'
SCALE: 1" = 40'

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

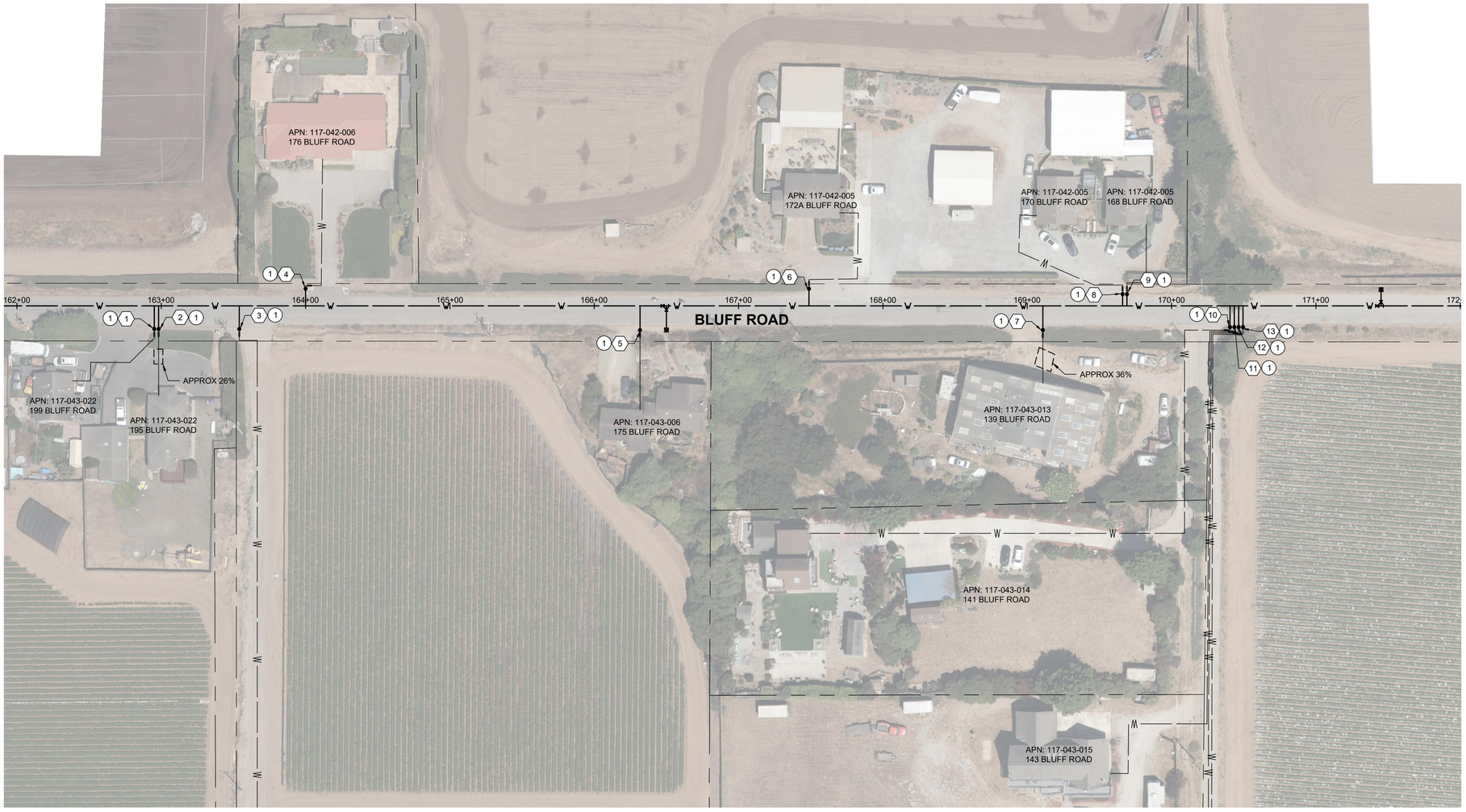
WATER SERVICE LATERALS - 3

PROJECT NUMBER
CWTRC.200476.05

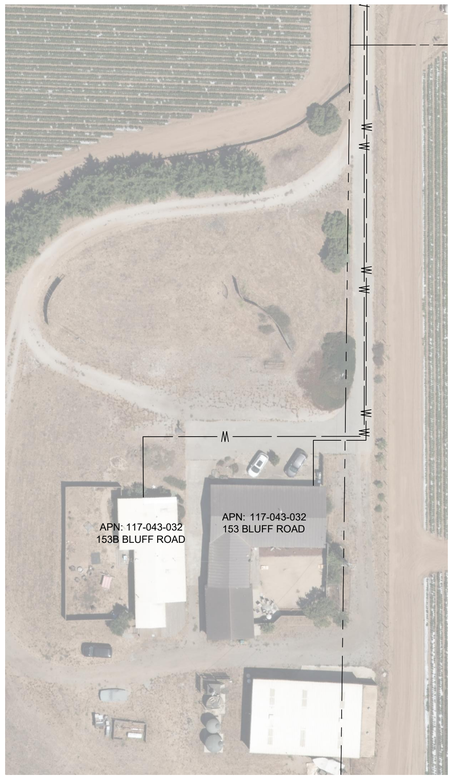
DRAWING NUMBER
C-080

SHEET NUMBER
85 OF 158

© Dwg Projects\CWTRC - Community Water Center\CWTRC.200476.05\Bid Prep\Eng\ CADD Sheets\Water Service Laterals 1-6.dwg
Fri 13:Mar 26 09:39:04 AM By: Dejar







PRIVATE LATERAL LOCATION SCHEDULE

LABEL NO.	LATERAL SIZE	MAIN STATION	NORTHING	EASTING
1	3/4"	162+95.28	2206562.33	5744119.08
2	3/4"	162+98.22	2206561.09	5744121.81
3	3/4"	163+54.06	2206537.98	5744172.69
4	3/4"	164+00.00	2206518.99	5744214.52
5	3/4"	166+31.78	2206423.18	5744425.51
6	3/4"	167+48.76	2206374.79	5744532.07
7	3/4"	169+10.82	2206307.78	5744679.63
8	3/4"	169+66.03	2206284.94	5744729.92
9	3/4"	169+69.05	2206283.70	5744732.65
10	1"	170+40.47	2206254.17	5744797.69
11	1"	170+43.47	2206252.93	5744800.42
12	1"	170+46.48	2206251.69	5744803.16
13	1"	170+49.47	2206250.45	5744805.89

CONSTRUCTION NOTE

1. INSTALL 3/4" WATER METER PER DETAIL 1, DRAWING C-078.
2. POINT OF CONNECTION TO RESIDENCE. CONTRACTOR SHALL COORDINATE EXACT CONNECTION METHOD OUTSIDE OF EACH HOME WITH EACH RESIDENCE AND PROPERTY OWNER BASED ON EXISTING PIPING CONFIGURATION.

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE PRIVATE LATERAL INSTALLATION WITH PROPERTY OWNER.
2. TRENCHLESS INSTALLATION SHALL BE USED WHERE FEASIBLE FOR ALL PRIVATE LATERALS. ALL TRENCHES SHALL BE REPAIRED TO MATCH EXISTING SURFACE CONDITIONS PRIOR TO INSTALLATION.
3. REFER TO DETAIL 1, DRAWING C-078 FOR INSTALLATION OF LATERALS.

40' 20' 0' 20' 40'
SCALE: 1" = 40'

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED: JAA
DRAWN: KAD
CHECKED: NEP
QA/QC: TNH
CONSTRUCTABILITY:

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

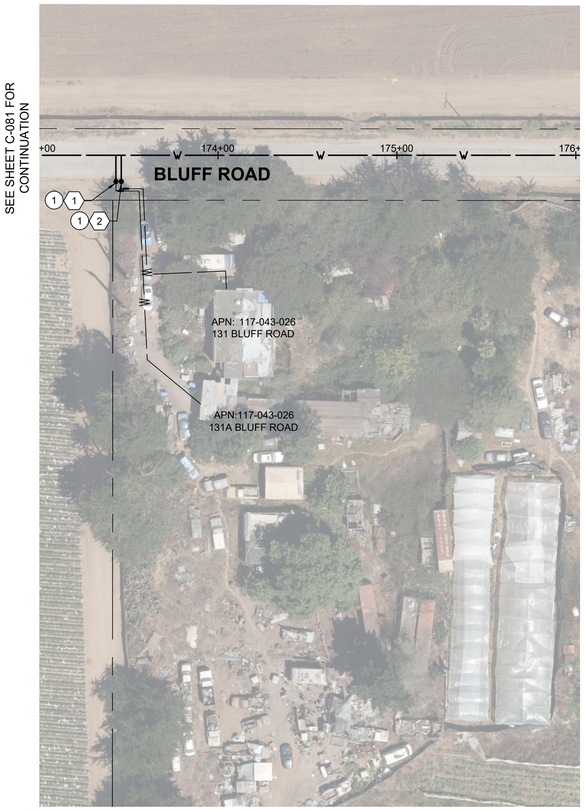
0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

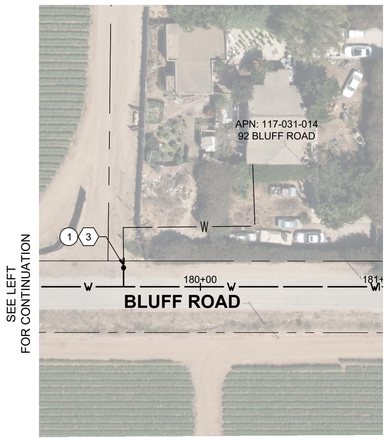
PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

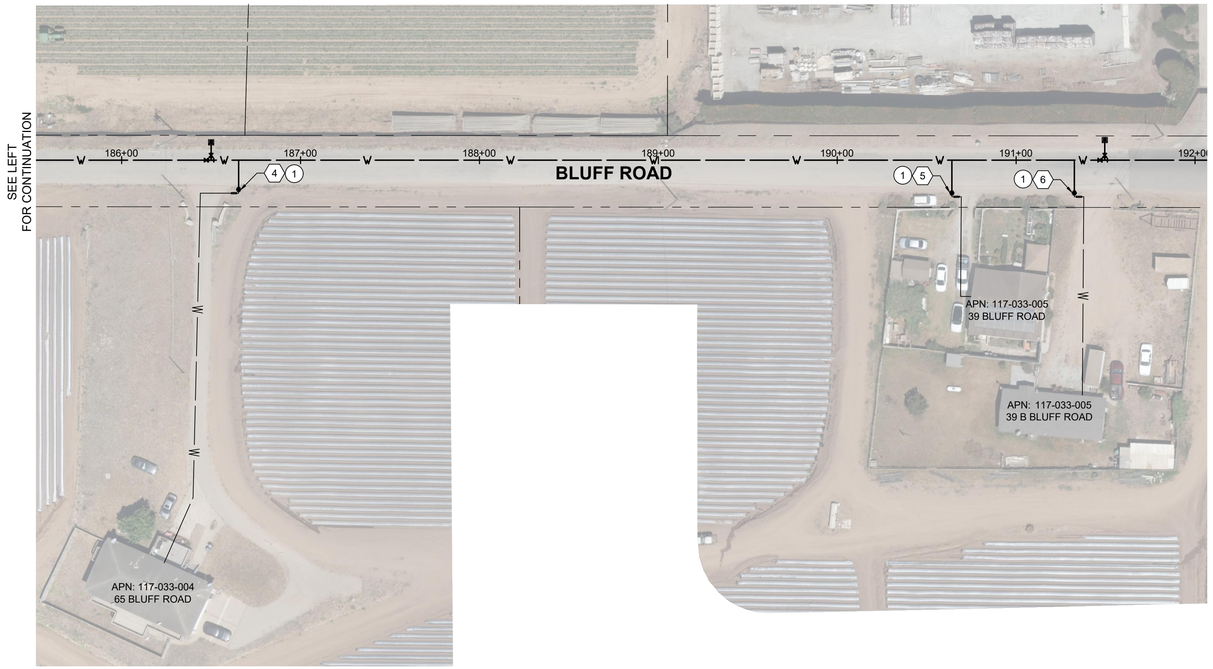
WATER SERVICE LATERALS - 4

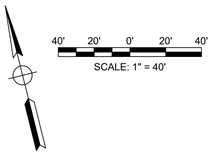
PROJECT NUMBER CWTRC.200476.05
DRAWING NUMBER C-081
SHEET NUMBER 86 OF 158

© Blue Pegasus/CWTRC - Community Water Center/CWTRC.200476.05 Pajaro Prop1 Eng_C082 Streamline Service Lateral -1.dwg
Fri 13 Mar 24 09:30:04 AM By: Kiley Degli









PRIVATE LATERAL LOCATION SCHEDULE				
LABEL NO.	LATERAL SIZE	MAIN STATION	NORTHING	EASTING
1	1"	173+42.89	2206129.12	5745073.06
2	1"	173+45.96	2206127.88	5745075.79
3	1"	180+98.41	2205816.75	5745760.95
4	1"	186+65.47	2205582.32	5746277.20
5	3/4"	190+64.07	2205417.47	5746640.22
6	3/4"	191+32.54	2205389.16	5746702.56

CONSTRUCTION NOTE

1. INSTALL 3/4" WATER METER PER DETAIL 1, DRAWING C-078.
2. POINT OF CONNECTION TO RESIDENCE. CONTRACTOR SHALL COORDINATE EXACT CONNECTION METHOD OUTSIDE OF EACH HOME WITH EACH RESIDENCE AND PROPERTY OWNER BASED ON EXISTING PIPING CONFIGURATION.

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE PRIVATE LATERAL INSTALLATION WITH PROPERTY OWNER.
2. TRENCHLESS INSTALLATION SHALL BE USED WHERE FEASIBLE FOR ALL PRIVATE LATERALS. ALL TRENCHES SHALL BE REPAIRED TO MATCH EXISTING SURFACE CONDITIONS PRIOR TO INSTALLATION.
3. REFER TO DETAIL 1, DRAWING C-078 FOR INSTALLATION OF LATERALS.

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

REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED: JAA
DRAWN: KAD
CHECKED: NEP
QA/QC: TNH
CONSTRUCTABILITY:

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

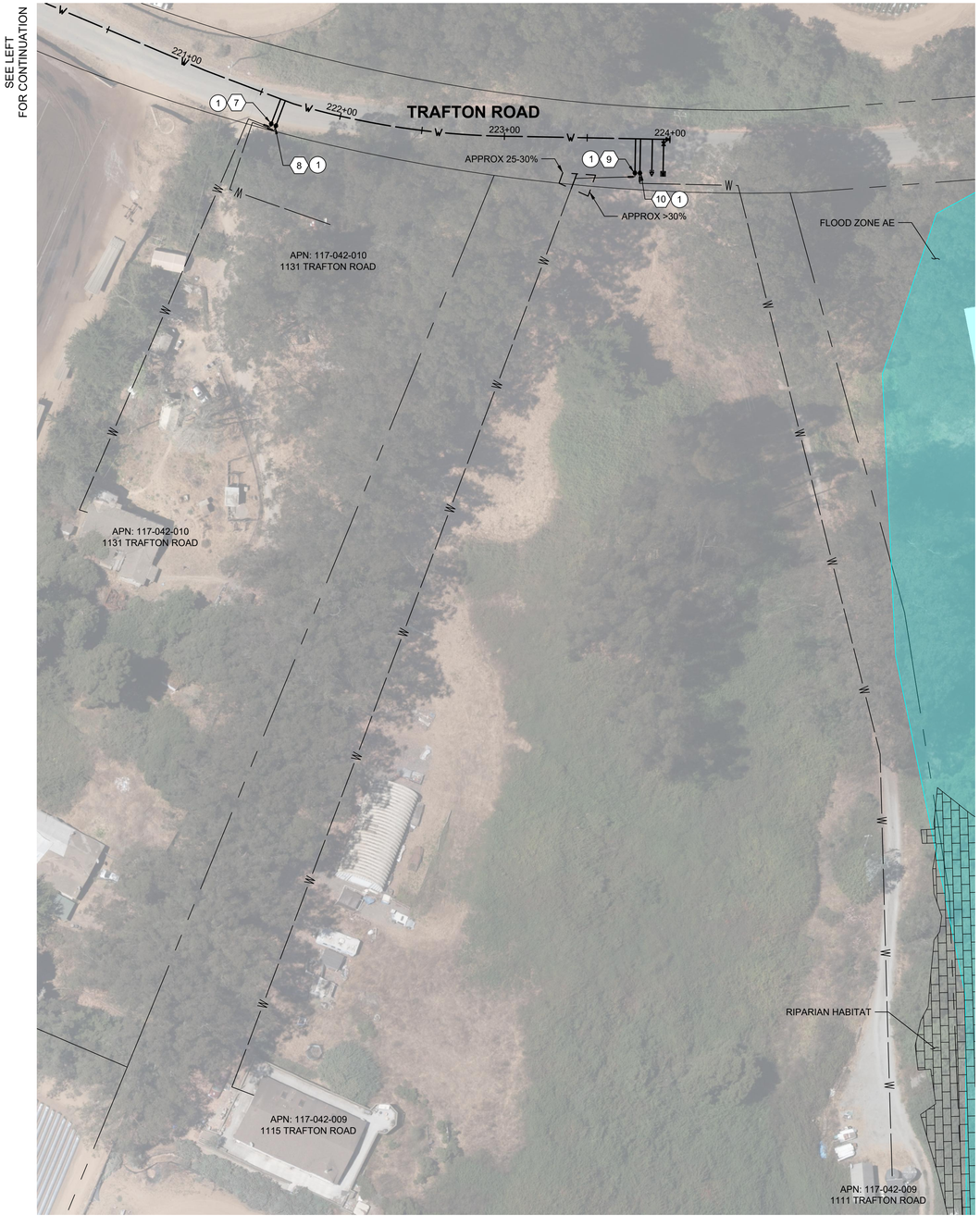
PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

WATER SERVICE LATERALS - 5

PROJECT NUMBER CWTRC.200476.05
DRAWING NUMBER C-082
SHEET NUMBER 87 OF 158

© Dbx/Projects/CWTRC - Community Water Center/CWTRC.200476.05 PSMS Proj Eng_CAD Sheet/Main Sonics Lateral 1-5.dwg
Fri 13 Mar 26, 09:55:24 AM By: Riley Dodge





40' 20' 0' 20' 40'
SCALE: 1" = 40'

40' 20' 0' 20' 40'
SCALE: 1" = 40'

PRIVATE LATERAL LOCATION SCHEDULE

LABEL NO.	LATERAL SIZE	MAIN STATION	NORTHING	EASTING
1	1"	214+32.90	2207166.06	5743836.40
2	1"	219+00.00	2207592.54	5744027.07
3	1"	219+03.00	2207595.07	5744028.75
4	1"	219+06.00	2207597.81	5744029.98
5	1"	219+09.00	2207600.53	574403.25
6	1"	220+09.75	2207692.28	5744072.89
7	1"	221+62.52	2207832.02	5744134.30
8	1"	221+65.46	2207834.80	5744135.43
9	1"	223+79.26	2208045.69	5744164.22
10	1"	223+86.02	2208052.43	5744164.54

CONSTRUCTION NOTE

1. INSTALL 3/4" WATER METER PER DETAIL 1, DRAWING C-078.
2. POINT OF CONNECTION TO RESIDENCE. CONTRACTOR SHALL COORDINATE EXACT CONNECTION METHOD OUTSIDE OF EACH HOME WITH EACH RESIDENCE AND PROPERTY OWNER BASED ON EXISTING PIPING CONFIGURATION.

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE PRIVATE LATERAL INSTALLATION WITH PROPERTY OWNER.
2. TRENCHLESS INSTALLATION SHALL BE USED WHERE FEASIBLE FOR ALL PRIVATE LATERALS. ALL TRENCHES SHALL BE REPAIRED TO MATCH EXISTING SURFACE CONDITIONS PRIOR TO INSTALLATION.
3. REFER TO DETAIL 1, DRAWING C-078 FOR INSTALLATION OF LATERALS.

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

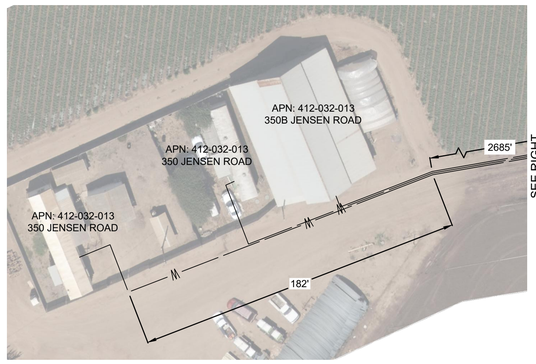
WATER SERVICE LATERALS - 6

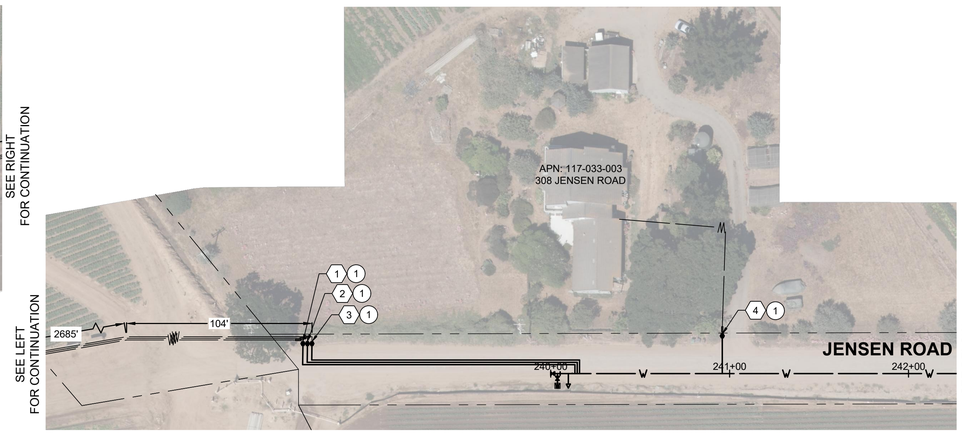
PROJECT NUMBER
CWTRC.200476.05

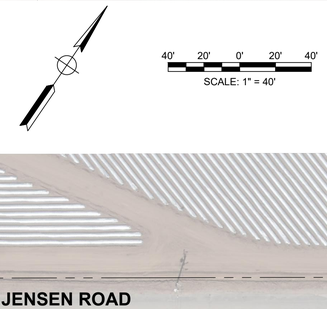
DRAWING NUMBER
C-083

SHEET NUMBER
88 OF 158

C:\BoxProjects\CWTRC - Community Water Center\CWTRC.200476.05 PSMS Proj Eng_CAD\Sheet\Water Service Laterals 1-6.dwg
Fri 1:58p,28 04 13 24 PM by JaredV Kreda







PRIVATE LATERAL LOCATION SCHEDULE				
LABEL NO.	LATERAL SIZE	MAIN STATION	NORTHING	EASTING
1	1"	240+13.51	2204437.23	5745879.54
2	1"	240+14.80	2204437.80	5745880.51
3	1"	240+16.11	2204438.38	5745881.67
4	3/4"	240+95.83	2204473.74	5745953.20
5	3/4"	246+94.92	2204739.25	5746490.23
6	3/4"	248+59.19	2204812.04	5746637.44
7	1"	250+27.33	2204886.55	5746788.16
8	1"	250+73.33	2204906.94	5746829.41
9	3/4"	253+76.45	2205041.28	5747101.12

CONSTRUCTION NOTE

1. INSTALL 3/4" WATER METER PER DETAIL 1, DRAWING C-078.
2. POINT OF CONNECTION TO RESIDENCE. CONTRACTOR SHALL COORDINATE EXACT CONNECTION METHOD OUTSIDE OF EACH HOME WITH EACH RESIDENCE AND PROPERTY OWNER BASED ON EXISTING PIPING CONFIGURATION.

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE PRIVATE LATERAL INSTALLATION WITH PROPERTY OWNER.
2. TRENCHLESS INSTALLATION SHALL BE USED WHERE FEASIBLE FOR ALL PRIVATE LATERALS. ALL TRENCHES SHALL BE REPAIRED TO MATCH EXISTING SURFACE CONDITIONS PRIOR TO INSTALLATION.
3. REFER TO DETAIL 1, DRAWING C-078 FOR INSTALLATION OF LATERALS.

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

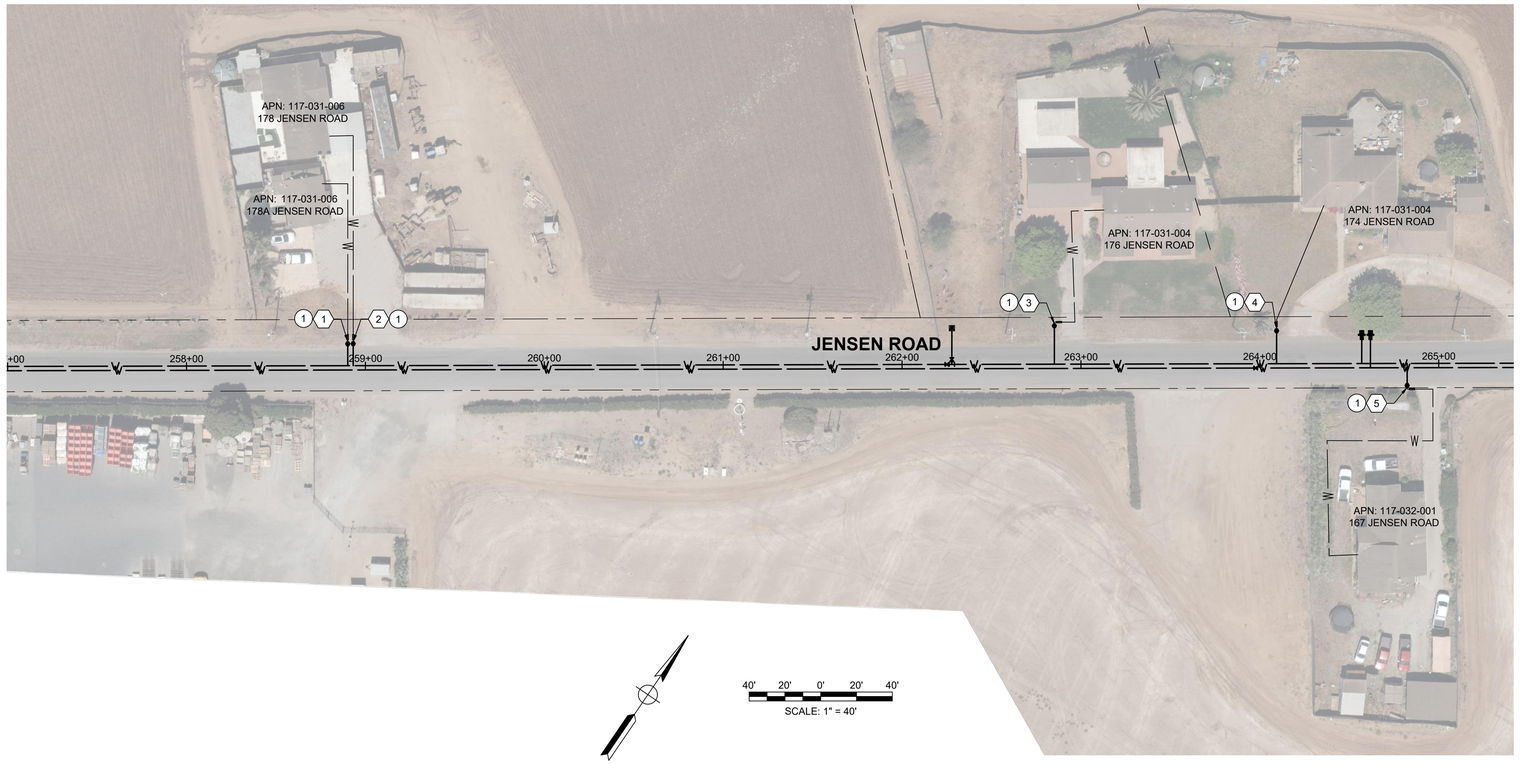
WATER SERVICE LATERALS - 7

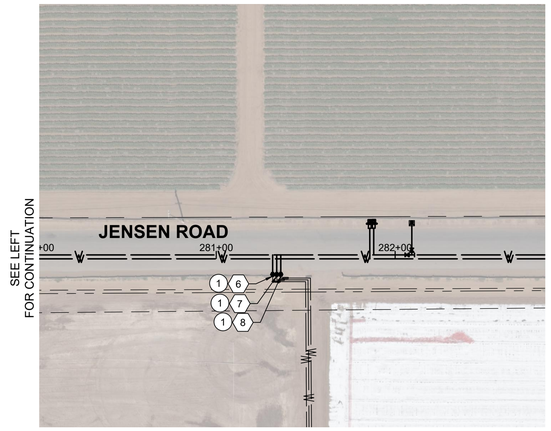
PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-084

SHEET NUMBER
89 OF 158

Fri 13 Mar 26 09:30:04 AM by Alex Degle
C:\BuzzProjects\CWTRC - Community Water Center\CWTRC.200476.05 Pajaro Sunny Mesa Springfield Area Regional Consolidation\2 - Design\2 Drawings\Water Service Laterals - 7.dwg







CONSTRUCTION NOTE

1. INSTALL 3/4" WATER METER PER DETAIL 1, DRAWING C-078.
2. POINT OF CONNECTION TO RESIDENCE. CONTRACTOR SHALL COORDINATE EXACT CONNECTION METHOD OUTSIDE OF EACH HOME WITH EACH RESIDENCE AND PROPERTY OWNER BASED ON EXISTING PIPING CONFIGURATION.

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE PRIVATE LATERAL INSTALLATION WITH PROPERTY OWNER.
2. TRENCHLESS INSTALLATION SHALL BE USED WHERE FEASIBLE FOR ALL PRIVATE LATERALS. ALL TRENCHES SHALL BE REPAIRED TO MATCH EXISTING SURFACE CONDITIONS PRIOR TO INSTALLATION.
3. REFER TO DETAIL 1, DRAWING C-078 FOR INSTALLATION OF LATERALS.

PRIVATE LATERAL LOCATION SCHEDULE

LABEL NO.	LATERAL SIZE	MAIN STATION	NORTHING	EASTING
1	3/4"	258+90.16	2205268.94	5747561.59
2	3/4"	258+93.09	2205270.29	5747564.32
3	3/4"	262+85.16	2205444.00	5747915.68
4	3/4"	264+09.34	2205499.06	5748027.04
5	3/4"	264+82.32	2205531.40	5748092.46
6	1"	281+30.63	2205670.29	5749704.15
7	1"	281+32.94	2205670.21	5749706.42
8	1"	281+35.21	2205670.16	5749708.69

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

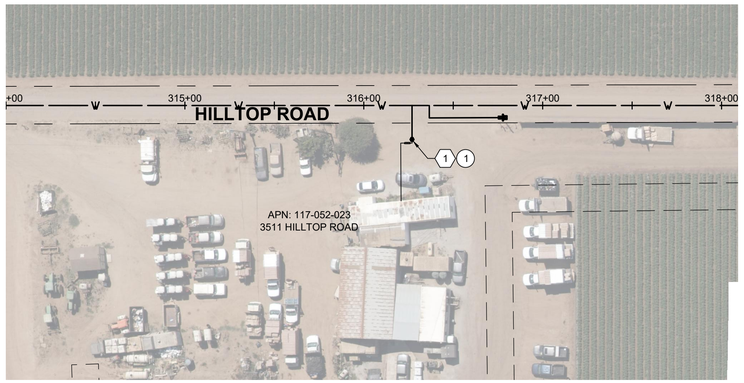
WATER SERVICE LATERALS - 8

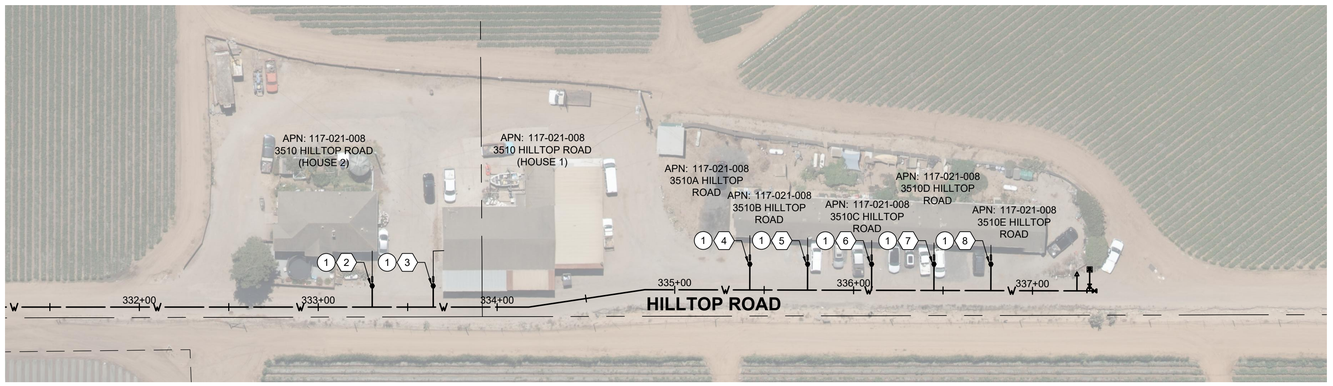
PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-085

SHEET NUMBER
90 OF 158

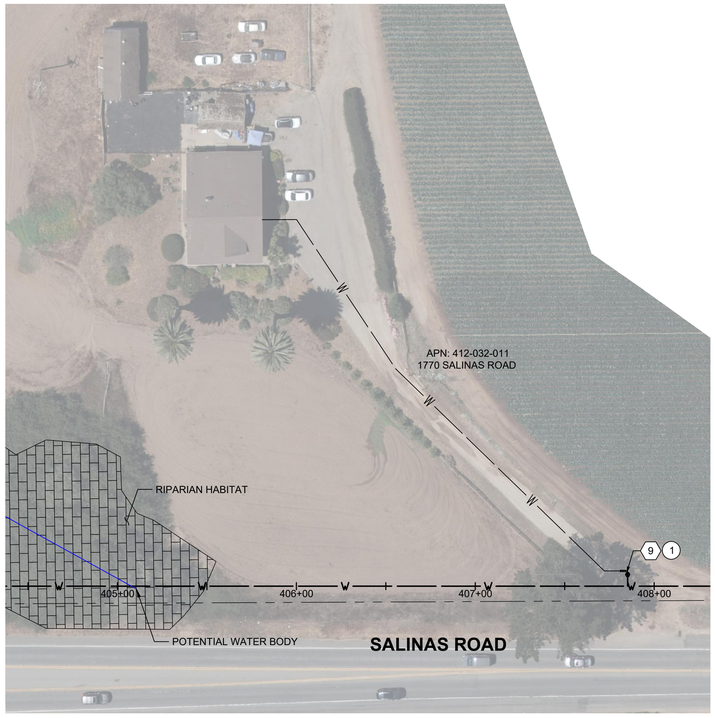
© BlueProjectsCWTRC - Community Water Center\CWTRC.200476.08 Field Eng\Dwg\C-085 Sheet\Water Service Laterals - 8.dwg
Fri 13 Mar 26 09:55:06 AM by Alex Diego

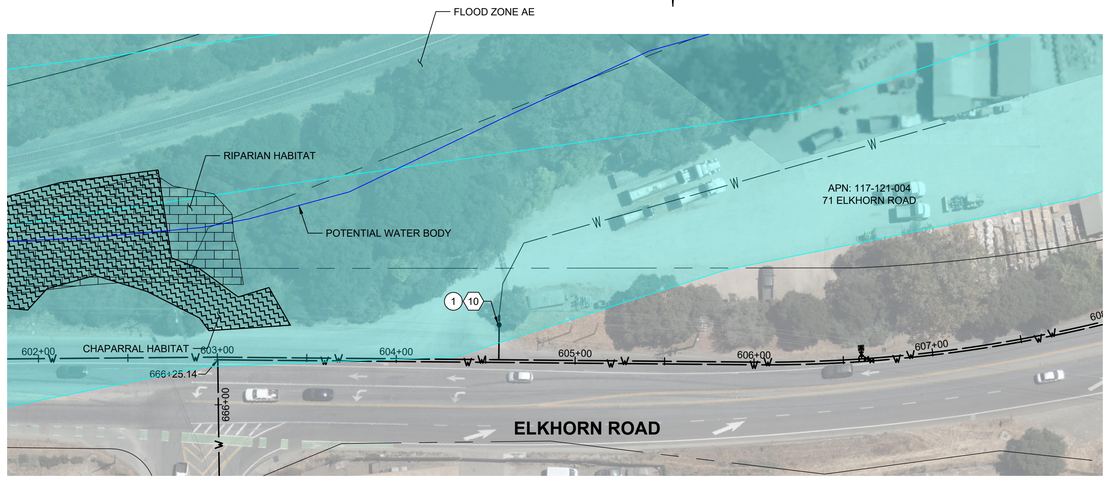




40' 20' 0' 20' 40'
SCALE: 1" = 40'

40' 20' 0' 20' 40'
SCALE: 1" = 40'





40' 20' 0' 20' 40'
SCALE: 1" = 40'

40' 20' 0' 20' 40'
SCALE: 1" = 40'

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

CONSTRUCTION NOTE

1. INSTALL 3/4" WATER METER PER DETAIL 1, DRAWING C-078.
2. POINT OF CONNECTION TO RESIDENCE. CONTRACTOR SHALL COORDINATE EXACT CONNECTION METHOD OUTSIDE OF EACH HOME WITH EACH RESIDENCE AND PROPERTY OWNER BASED ON EXISTING PIPING CONFIGURATION.

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE PRIVATE LATERAL INSTALLATION WITH PROPERTY OWNER.
2. TRENCHLESS INSTALLATION SHALL BE USED WHERE FEASIBLE FOR ALL PRIVATE LATERALS. ALL TRENCHES SHALL BE REPAIRED TO MATCH EXISTING SURFACE CONDITIONS PRIOR TO INSTALLATION.
3. REFER TO DETAIL 1, DRAWING C-078 FOR INSTALLATION OF LATERALS.

PRIVATE LATERAL LOCATION SCHEDULE

LABEL NO.	LATERAL SIZE	MAIN STATION	NORTHING	EASTING
1	3/4"	316+27.17	2207926.18	5750365.53
2	3/4"	333+30.19	2207991.94	5748663.59
3	3/4"	333+64.28	2207993.25	5748629.52
4	3/4"	335+41.97	2207990.52	5748452.31
5	3/4"	335+74.25	2207991.85	5748420.06
6	3/4"	336+10.04	2207993.33	5748384.29
7	3/4"	336+44.90	2207994.77	5748349.48
8	3/4"	336+76.74	2207996.09	5748317.67
9	1"	407+85.20	2200714.72	5750858.50
10	1"	603+86.27	2214404.75	5758270.14

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

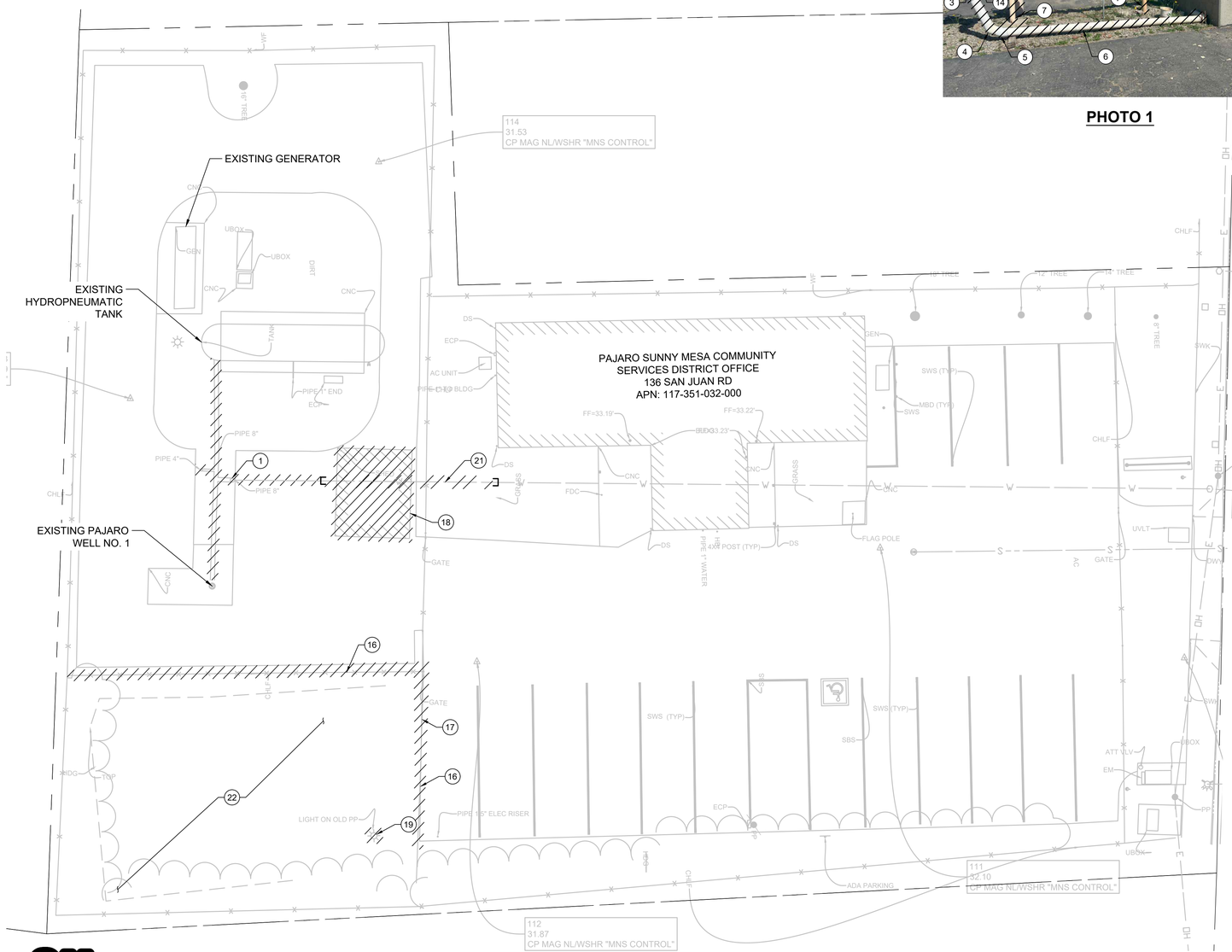
0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

WATER SERVICE LATERALS - 9

PROJECT NUMBER
CWTRC.200476.05
DRAWING NUMBER
C-086
SHEET NUMBER
91 OF **158**

F:\1Jobs\26_28\26-24 AM by Vicky Diggs C:\Bluebeam\Projects\CWTRC - Community Water Center\CWTRC.200476.05 (PAS) Proj\Eng_CADD Sheets\Water Service Laterals 14.dwg



PLAN

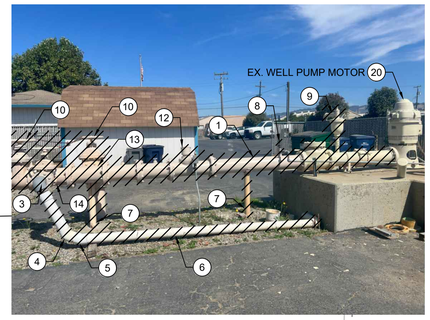


PHOTO 1

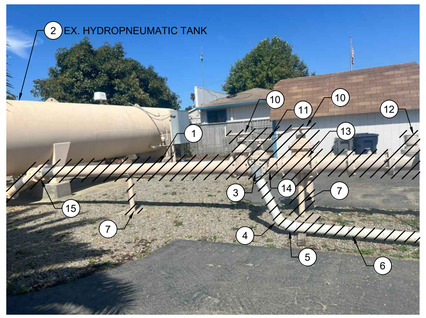


PHOTO 2

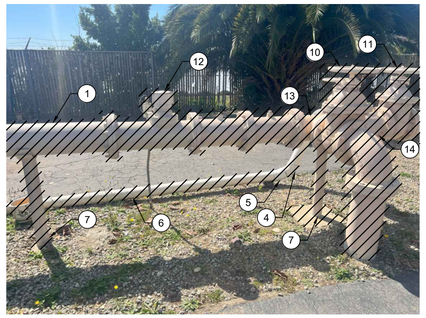


PHOTO 3

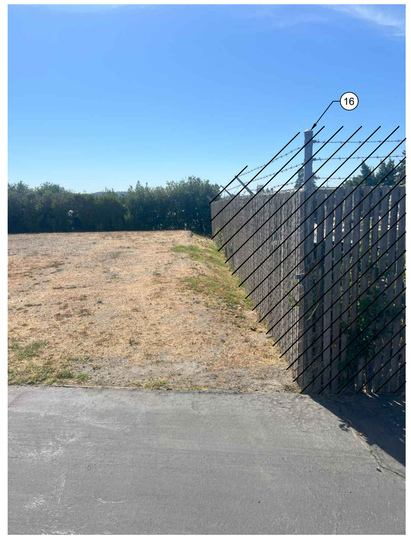


PHOTO 5

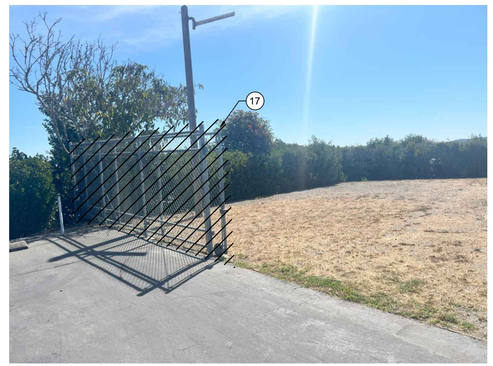


PHOTO 4

20' 10' 0' 10' 20'

SCALE: 1" = 20'

DEMOLITION NOTES

1. REMOVE AND DISPOSE EXISTING 8" DI PIPE.
2. PROTECT IN PLACE.
3. REMOVE AND DISPOSE 4" 90-DEGREE ELBOW.
4. REMOVE AND DISPOSE 4" 22.5-DEGREE ELBOW.
5. REMOVE AND DISPOSE 4" 11.25-DEGREE ELBOW.
6. REMOVE AND DISPOSE 4" PVC PIPE.
7. REMOVE AND DISPOSE PIPE SUPPORT.
8. REMOVE AND DISPOSE SAMPLE TAP.
9. REMOVE AND DISPOSE AIR RELEASE VALVE.
10. REMOVE AND DISPOSE 8" GATE VALVE.
11. REMOVE AND DISPOSE 4" GATE VALVE.
12. REMOVE AND DISPOSE FLOW METER.
13. REMOVE AND DISPOSE 8" TEE.
14. REMOVE AND DISPOSE 8" X 4" TEE.
15. REMOVE 8" 22.5-DEGREE ELBOW.
16. REMOVE AND DISPOSE EXISTING FENCE, POSTS, AND FOUNDATIONS.
17. REMOVE AND DISPOSE EXISTING ROLLING GATE.
18. RELOCATE EXISTING STORAGE SHED PER DRAWING C-202.
19. REMOVE AND DISPOSE EXISTING LIGHT AND POLE.
20. EXISTING WELL PUMP MOTOR. CONTRACTOR TO VERIFY IF PUMP AND MOTOR REQUIRE REPLACEMENT TO MEET REVISED HYDRAULIC CONDITIONS.
21. CUT, CAP, AND ABANDON IN PLACE EXISTING UNDERGROUND WATER LINE.
22. CLEAR AND GRUB VEGETATION WITHIN OWNER'S PROPERTY.

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

PAJARO WELL NO. 1 SITE DEMOLITION PIPING PLAN

PROJECT NUMBER: CWTRC.200476.05
DRAWING NUMBER: C-087
SHEET NUMBER: 92 OF 158

C:\BoxProjects\mns - Community Water Districts\200476.05 Pismo Proj\Eng_CAD\Sheets\Final Site Rec 1 Site Improvement Plan.dwg
Mon, 26 Jan 26 09:45:17 AM by Hope Mahony

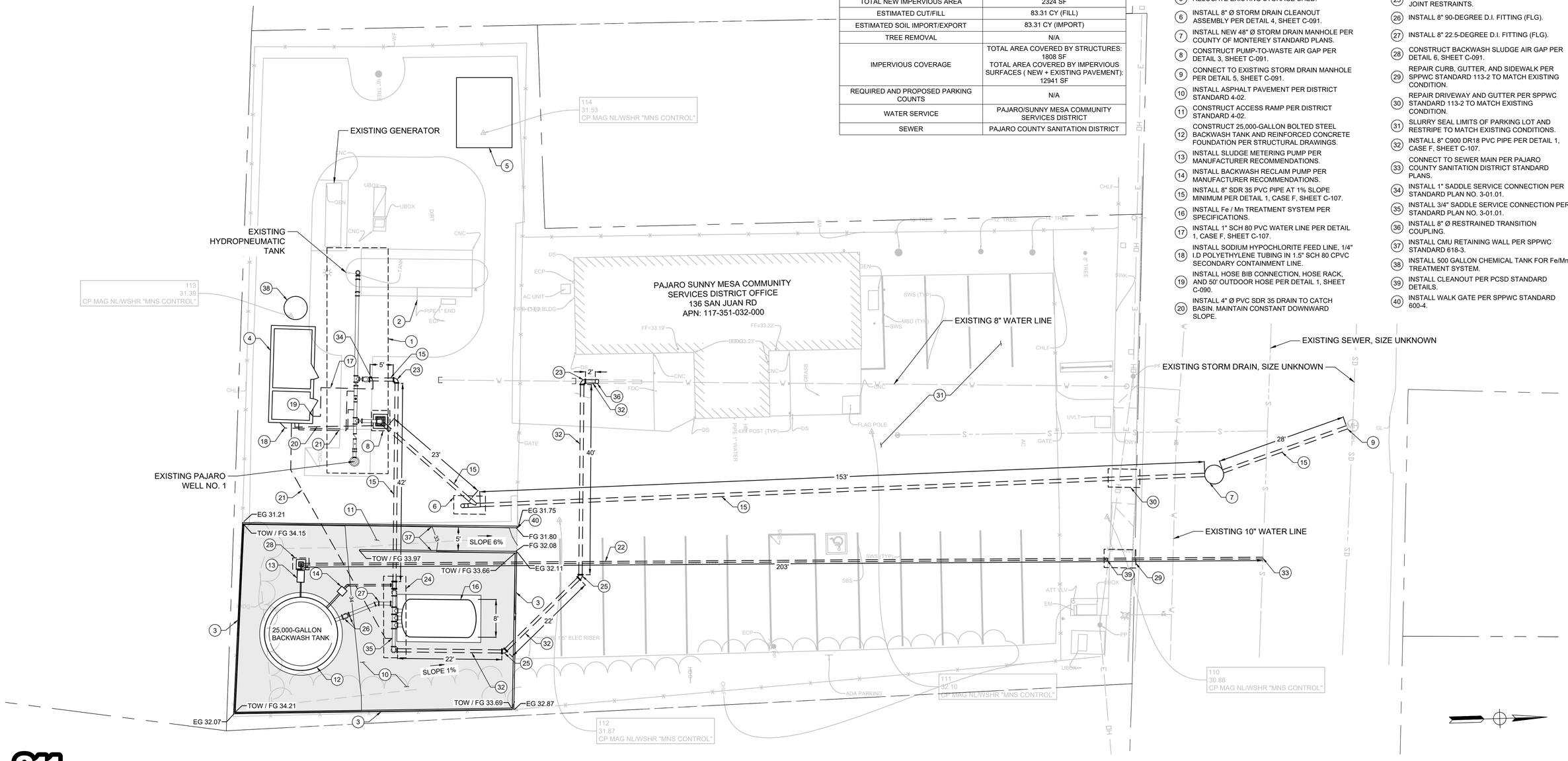
NOTE: ENTIRE SITE IS LOCATION WITHIN THE FEMA FLOOD ZONE DESIGNATION: AO

PROJECT DATA SUMMARY TABLE

ASSESSOR PARCEL NUMBER (APN)	117-351-032
PARCEL SIZE	0.44 ACRES
GENERAL PLAN LAND USE DESIGNATION	PUBLIC/QUASI PUBLIC (COASTAL ZONE)
ZONING DESIGNATION	PQP(CZ)
LOT COVERAGE CALCULATIONS	TOTAL BUILDING FOOTPRINT SF: 1808 LOT COVERAGE = 1808 SF/(0.44 ACRES X 43560) * 100 = 9.43%
FLOOR AREA RATIO CALCULATIONS	N/A
TOTAL NEW IMPERVIOUS AREA	2324 SF
ESTIMATED CUT/FILL	83.31 CY (FILL)
ESTIMATED SOIL IMPORT/EXPORT	83.31 CY (IMPORT)
TREE REMOVAL	N/A
IMPERVIOUS COVERAGE	TOTAL AREA COVERED BY STRUCTURES: 1808 SF TOTAL AREA COVERED BY IMPERVIOUS SURFACES (NEW + EXISTING PAVEMENT): 12941 SF
REQUIRED AND PROPOSED PARKING COUNTS	N/A
WATER SERVICE	PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT
SEWER	PAJARO COUNTY SANITATION DISTRICT

CONSTRUCTION NOTES

1. INSTALL WELLHEAD PIPING, PER DETAIL 1, SHEET C-089.
2. REMOVE EXISTING INSECT SCREEN AND REPLACE WITH SS SCREEN (#24), SECURE WITH SS BAND.
3. INSTALL CMU RETAINING WALL WITH CHAIN LINK FENCE PER SPPWC STANDARD 621-3.
4. CONSTRUCT CMU CHEMICAL / ELECTRICAL BUILDING PER SHEET C-090.
5. RELOCATE EXISTING STORAGE SHED.
6. INSTALL 8" Ø STORM DRAIN CLEANOUT ASSEMBLY PER DETAIL 4, SHEET C-091.
7. INSTALL NEW 48" Ø STORM DRAIN MANHOLE PER COUNTY OF MONTEREY STANDARD PLANS.
8. CONSTRUCT PUMP-TO-WASTE AIR GAP PER DETAIL 3, SHEET C-091.
9. CONNECT TO EXISTING STORM DRAIN MANHOLE PER DETAIL 5, SHEET C-091.
10. INSTALL ASPHALT PAVEMENT PER DISTRICT STANDARD 4-02.
11. CONSTRUCT ACCESS RAMP PER DISTRICT STANDARD 4-02.
12. CONSTRUCT 25,000-GALLON BOLTED STEEL BACKWASH TANK AND REINFORCED CONCRETE FOUNDATION PER STRUCTURAL DRAWINGS.
13. INSTALL SLUDGE METERING PUMP PER MANUFACTURER RECOMMENDATIONS.
14. INSTALL BACKWASH RECLAIM PUMP PER MANUFACTURER RECOMMENDATIONS.
15. INSTALL 8" SDR 35 PVC PIPE AT 1% SLOPE MINIMUM PER DETAIL 1, CASE F, SHEET C-107.
16. INSTALL Fe / Mn TREATMENT SYSTEM PER SPECIFICATIONS.
17. INSTALL 1" SCH 80 PVC WATER LINE PER DETAIL 1, CASE F, SHEET C-107.
18. INSTALL SODIUM HYPOCHLORITE FEED LINE, 1/4" I.D POLYETHYLENE TUBING IN 1.5" SCH 80 CPVC SECONDARY CONTAINMENT LINE.
19. INSTALL HOSE BIB CONNECTION, HOSE RACK, AND 50' OUTDOOR HOSE PER DETAIL 1, SHEET C-090.
20. INSTALL 4" Ø PVC SDR 35 DRAIN TO CATCH BASIN. MAINTAIN CONSTANT DOWNWARD SLOPE.
21. INSTALL 3/8" I.D. POLYETHYLENE TUBING IN 3/4" SCH 80 CPVC WATER LINE TO TURBIDIMETER.
22. INSTALL 4" SDR 35 PVC PIPE PER AT 1% SLOPE MINIMUM DETAIL 1, CASE F, SHEET C-107.
23. INSTALL 8" 90-DEGREE D.I. FITTING (MJ) WITH JOINT RESTRAINTS.
24. INSTALL Fe / Mn TREATMENT TANK PIPING PER SHEET M-202 AND MANUFACTURER RECOMMENDATIONS.
25. INSTALL 8" 45-DEGREE D.I. FITTING (MJ) WITH JOINT RESTRAINTS.
26. INSTALL 8" 90-DEGREE D.I. FITTING (FLG).
27. INSTALL 8" 22.5-DEGREE D.I. FITTING (FLG).
28. CONSTRUCT BACKWASH SLUDGE AIR GAP PER DETAIL 6, SHEET C-091.
29. REPAIR CURB, GUTTER, AND SIDEWALK PER SPPWC STANDARD 113-2 TO MATCH EXISTING CONDITION.
30. REPAIR DRIVEWAY AND GUTTER PER SPPWC STANDARD 113-2 TO MATCH EXISTING CONDITION.
31. SLURRY SEAL LIMITS OF PARKING LOT AND RESTRIPE TO MATCH EXISTING CONDITIONS.
32. INSTALL 8" C900 DR18 PVC PIPE PER DETAIL 1, CASE F, SHEET C-107.
33. CONNECT TO SEWER MAIN PER PAJARO COUNTY SANITATION DISTRICT STANDARD PLANS.
34. INSTALL 1" SADDLE SERVICE CONNECTION PER STANDARD PLAN NO. 3-01.01.
35. INSTALL 3/4" SADDLE SERVICE CONNECTION PER STANDARD PLAN NO. 3-01.01.
36. INSTALL 8" Ø RESTRAINED TRANSITION COUPLING.
37. INSTALL CMU RETAINING WALL PER SPPWC STANDARD 618-3.
38. INSTALL 500 GALLON CHEMICAL TANK FOR Fe/Mn TREATMENT SYSTEM.
39. INSTALL CLEANOUT PER PCSD STANDARD DETAILS.
40. INSTALL WALK GATE PER SPPWC STANDARD 600-4.



PLAN

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

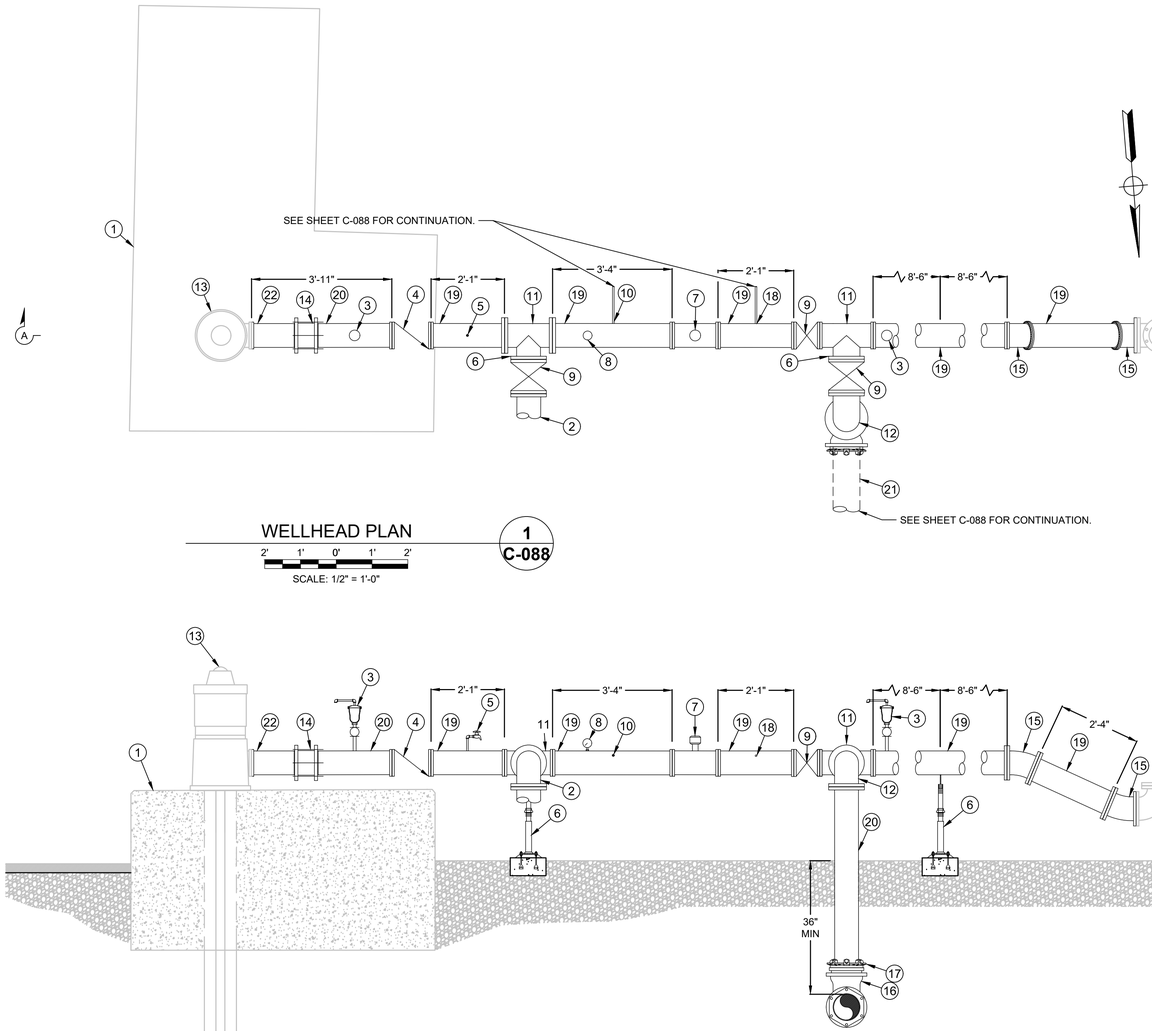
20' 10' 0' 10' 20'
SCALE: 1" = 20'

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

PAJARO WELL NO. 1 SITE PIPING PLAN

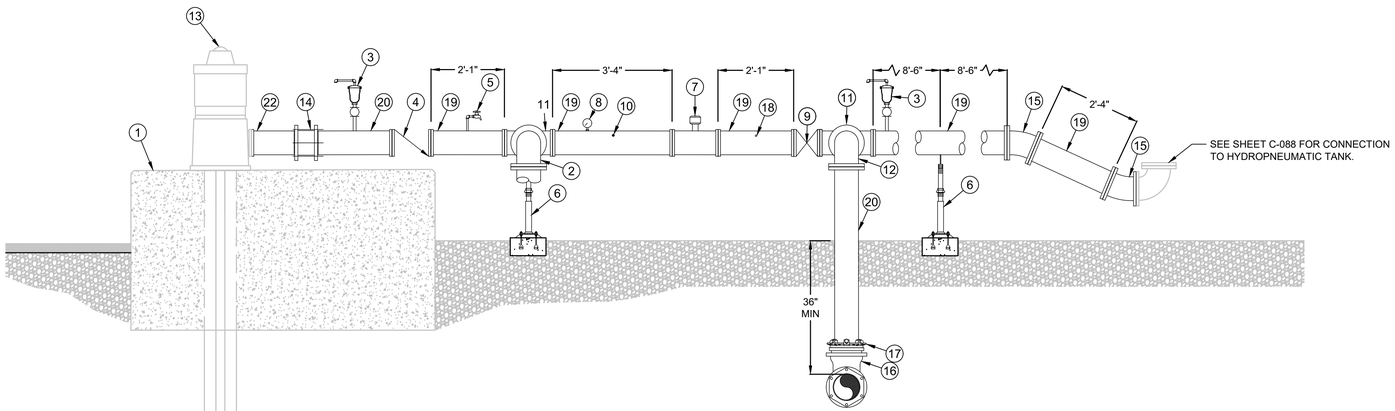
PROJECT NUMBER: CWTRC.200476.05
DRAWING NUMBER: C-088
SHEET NUMBER: 93 OF 158

F:\ 11/Jobs 2\ 95-03-45 PW by Jordyn Kreidt C:\BoxProjects\CWTRC - Community Water Center\CWTRC.200476.05 PSMS Proj\Engr_CAD\3 Drawings\M-Arc\ Site Piping Plan.dwg



WELLHEAD PLAN — 1 / C-088

SCALE: 1/2" = 1'-0"

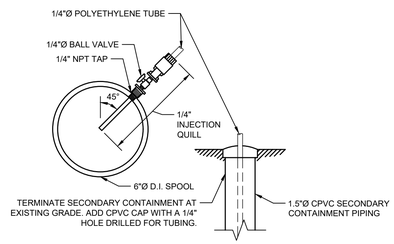


WELLHEAD SECTION — A / C-088

SCALE: 1/2" = 1'-0"

WELL PARTS LIST

1. EX. CONCRETE PEDESTAL
2. 8" WELL PUMP-TO-WASTE. SEE SHEET C-088 FOR CONTINUATION.
3. 1" AIR RELEASE VALVE (NPT)
4. 8" SWING CHECK VALVE (FLG)
5. THREADLESS SAMPLE TAP
6. PIPE SUPPORT PER DETAIL 1, SHEET C-091
7. 8" ELECTROMAGNETIC FLOW METER
8. INSTALL PRESSURE GAUGE
9. 8" GATE VALVE (FLG)
10. 1/4" TAP AND SODIUM HYPOCHLORITE INJECTION QUILL PER DETAIL 1, THIS SHEET. FROM SODIUM HYPOCHLORITE SUPPLY IN CHEMICAL / ELECTRICAL BUILDING. SEE SHEET C-088 FOR CONTINUATION.
11. 8" D.I. TEE (FLG)
12. 8" D.I. 90-DEGREE ELBOW (FLG)
13. REPLACE EX. PUMP AND MOTOR
14. 8" RESTRAINED COUPLING
15. 8" D.I. 22.5-DEGREE ELBOW (FLG)
16. 8" D.I. 90-DEGREE ELBOW (MJ)
17. 8" MJ JOINT RESTRAINT
18. 3/4" NPT TAP. TO TURBIDIMETER AND CHLORINE ANALYZER IN CHEMICAL / ELECTRICAL BUILDING. SEE SHEET C-088 FOR CONTINUATION.
19. 8" Ø D.I. PIPE (FLG)
20. 8" Ø D.I. PIPE (FLG X PE)
21. 8" Ø C900 PVC PIPE
22. 8" Ø D.I. PIPE (FLG X GROOVED)



1 — INJECTION QUILL DETAIL

SCALE: NTS

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER — NICHOLAS E. PANOFSKY — C75006 Exp. 12-31-2027 — CIVIL — STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

PAJARO WELL NO. 1 SITE PIPING DETAILS

PROJECT NUMBER: CWTRC.200476.05

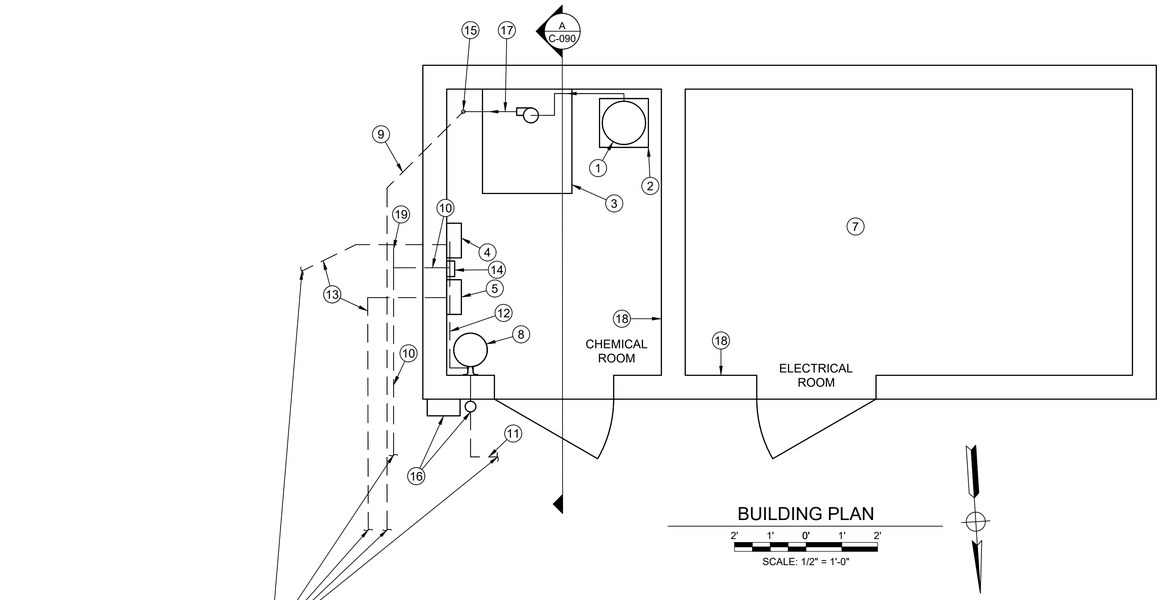
DRAWING NUMBER: C-089

SHEET NUMBER: 94 OF 158

Thu, 04 Dec 25 - 10:34:49 PM by: Paige Mahony
C:\Bluz\Projects\Pajaro - Community Water Consortium_2024\3.2d Plans Prep\2 Engr_CADD Drawings\Well No.1 Site Piping Details.dwg

PARTS LIST

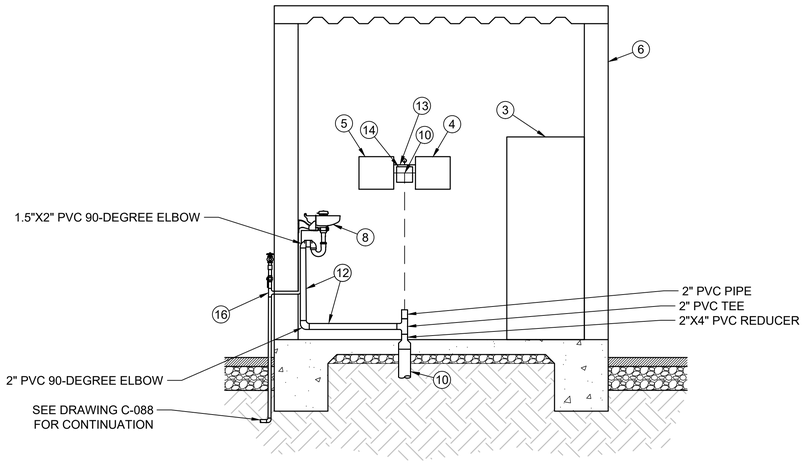
1. 15-GAL 12.5% SODIUM HYPOCHLORITE STORAGE DRUM.
2. SECONDARY CHEMICAL CONTAINMENT PAD.
3. FLOOR-MOUNTED SODIUM HYPOCHLORITE DOSING SKID AND DOSING PUMP.
4. CHLORINE ANALYZER.
5. TURBIDIMETER.
6. CMU BUILDING AND BUILDING FOUNDATION PER STRUCTURAL DRAWING S-06.
7. SEE ELECTRICAL DRAWINGS.
8. EYE WASH STATION.
9. 1/4" I.D. POLYETHYLENE TUBING IN 1.5" SCH 40 CPVC SECONDARY CONTAINMENT LINE. SEE DRAWING C-088 FOR CONTINUATION.
10. DRAIN LINE - 4" SCH 40 PVC DRAIN LINE. SEE DRAWING C-088 FOR CONTINUATION.
11. WATER SUPPLY LINE FOR EYE WASH STATION. SEE DRAWING C-088 FOR CONTINUATION.
12. CONNECT EYE WASH STATION TO DRAIN WITH 2" SCH 40 PVC PIPE.
13. WATER SUPPLY LINE FOR TURBIDIMETER AND CHLORINE ANALYZER. SEE DRAWING C-088 FOR CONTINUATION.
14. CHLORINE ANALYZER AND TURBIDIMETER CONTROLLER.
15. EXTEND SECONDARY CONTAINMENT PIPING FLUSH TO BUILDING FLOOR. SEAL ANNULAR SPACE WITH EXPANDING FOAM.
16. HOSE RACK BIB AND RACK, MOUNTED ON BUILDING WALL, PER DETAIL 1, THIS SHEET.
17. TUBING PER MANUFACTURER RECOMMENDATIONS.
18. INSTALL 5LB MOUNT FOR FIRE EXTINGUISHER.
19. INSTALL 4" Ø DRAIN CLEANOUT ASSEMBLY PER DETAIL 2, THIS SHEET.



BUILDING PLAN

2' 1' 0' 1' 2'

SCALE: 1/2" = 1'-0"

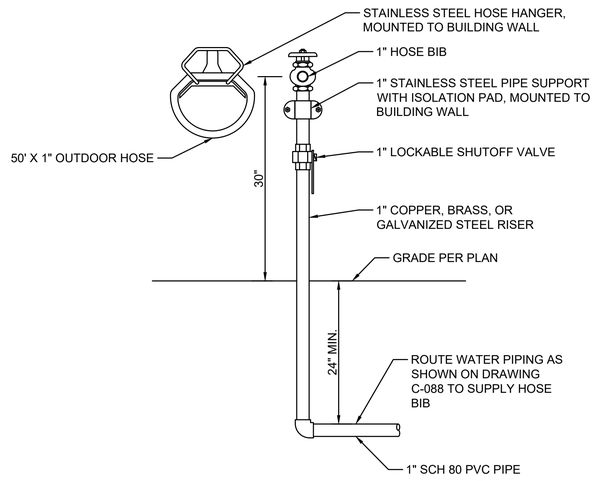


BUILDING SECTION A-A

2' 1' 0' 1' 2'

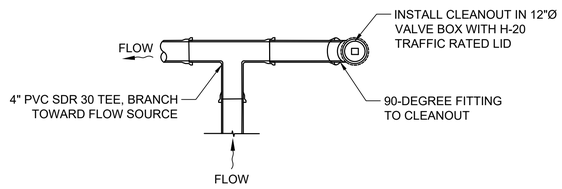
SCALE: 1/2" = 1'-0"

A C-090



HOSE BIB AND RACK DETAIL 1

N.T.S.



DRAIN CLEANOUT DETAIL 2

N.T.S.

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

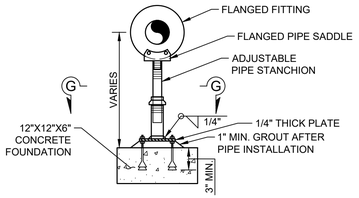
PAJARO WELL NO. 1 SITE CHEMICAL ELECTRICAL BUILDING PLAN & SECTION

PROJECT NUMBER
CWTRC.200476.05

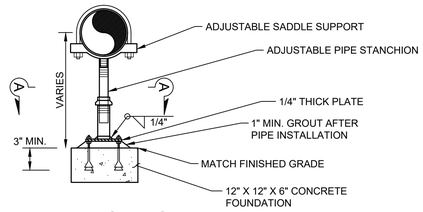
DRAWING NUMBER
C-090

SHEET NUMBER
95 OF **158**

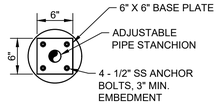
Tue,26 Jun,26 12:42:17 PM by Hoyt Mallery C:\Box\Projects\05 - Community Water Conservancy\200476.05 Pismo Proj\02 Eng_CAD\2 Drawings\Arch\1 Site Chemical Electrical Building Plan.dwg



FLANGE PIPE SUPPORT



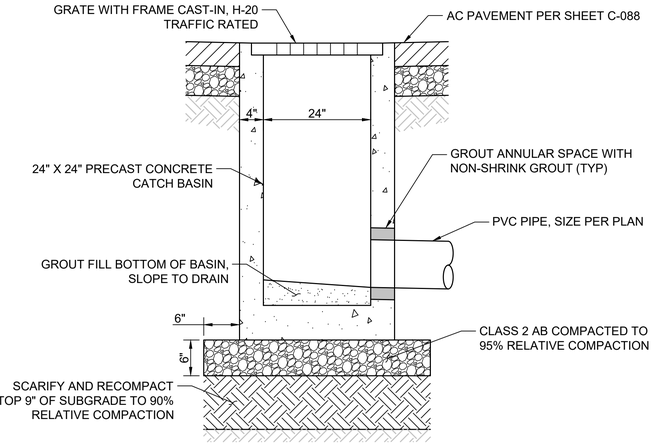
SADDLE PIPE SUPPORT



SECTION A-A

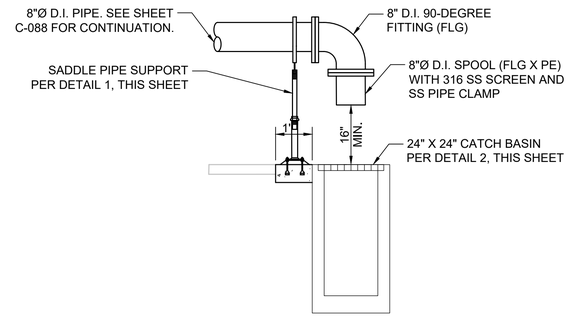
1 C-089 **PIPE SUPPORT DETAIL**

SCALE: 1" = 1'-0"



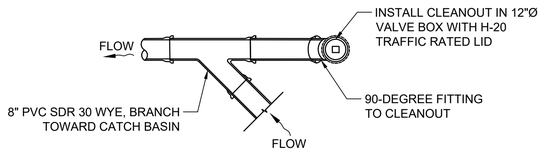
2 C-088 **24" X 24" CATCH BASIN DETAIL**

SCALE: NTS



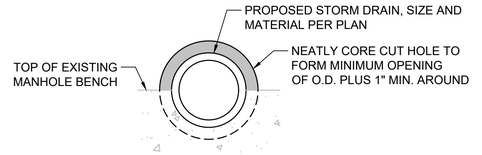
3 C-088 **WELL PUMP-TO-WASTE DETAIL**

SCALE: NTS

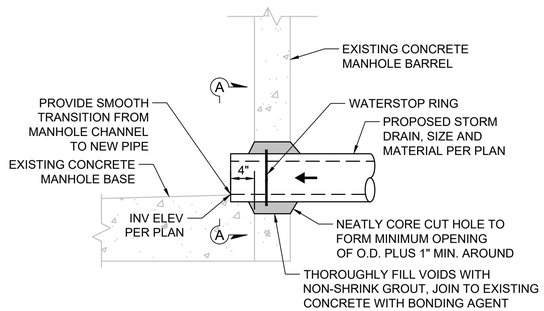


4 C-088 **STORM DRAIN CLEANOUT DETAIL**

SCALE: NTS

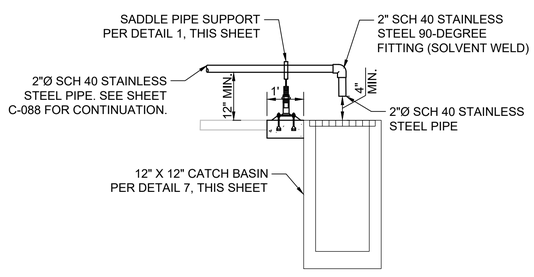


SECTION A-A



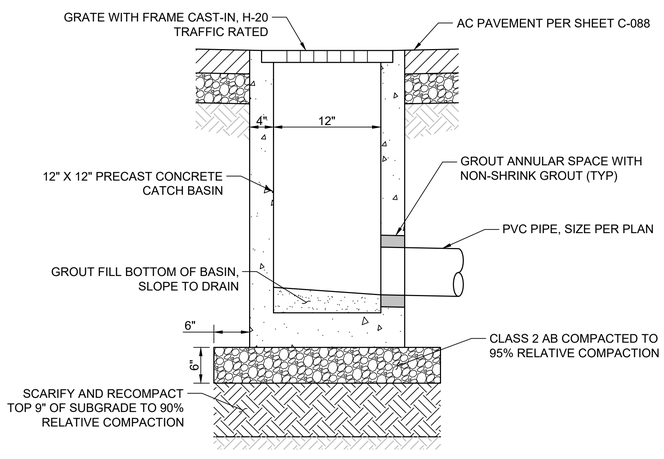
5 C-088 **EXISTING MANHOLE CONNECTION DETAIL**

SCALE: NTS



6 C-088 **BACKWASH TANK SLUDGE DISCHARGE DETAIL**

SCALE: NTS



7 C-088 **12" X 12" CATCH BASIN DETAIL**

SCALE: NTS

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

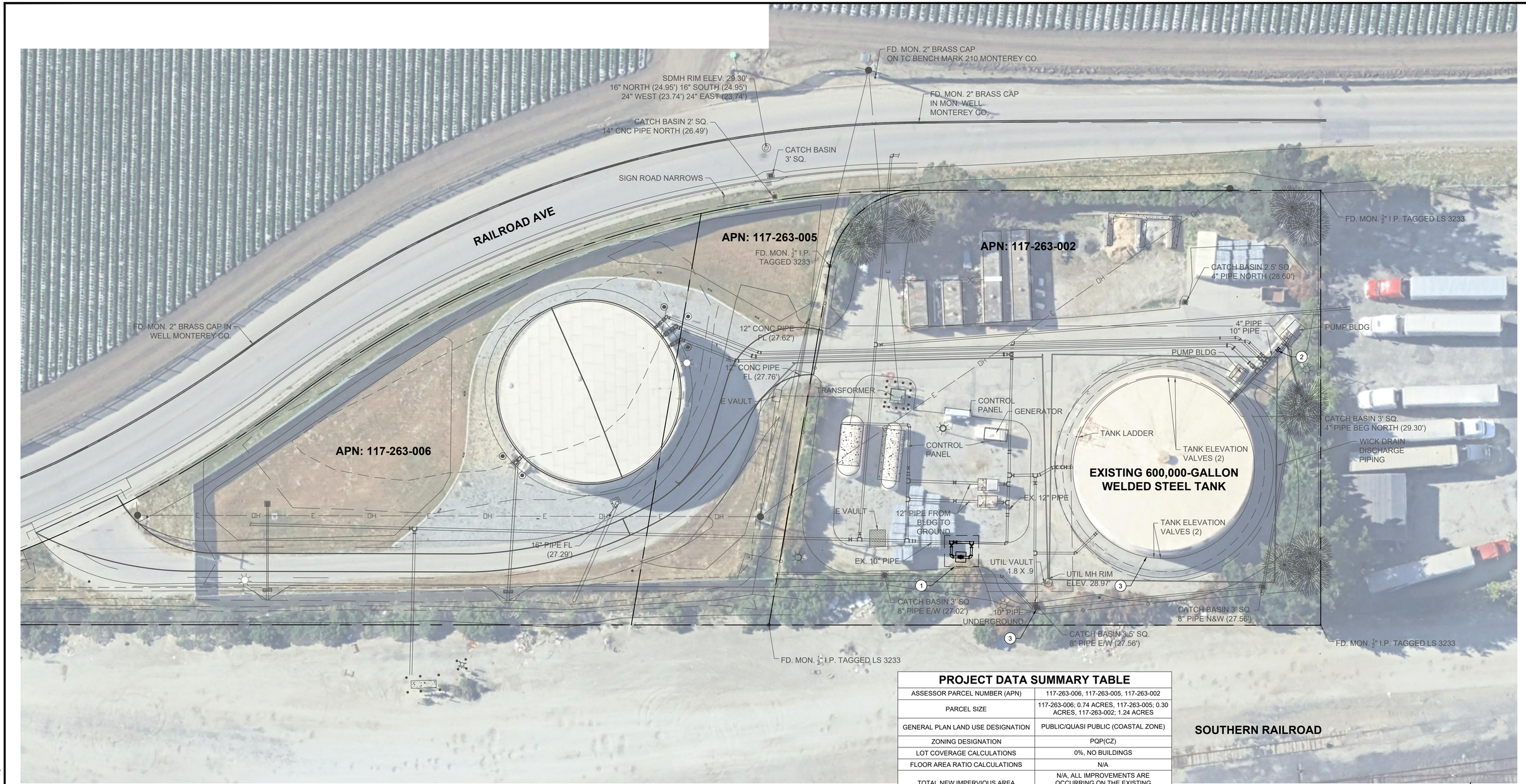
PAJARO WELL NO. 1 SITE CIVIL DETAILS

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-091

SHEET NUMBER
96 OF 158

C:\Box\Projects\Work - Community Water Consortium 2024\3.20 Plans Prep\2 Eng_CAD\2 Drawings\Main Title Cvr & Details.dwg
Fri, 13 Dec 24 07:20:21 PM By: Hope Mallery



PROJECT DATA SUMMARY TABLE

ASSESSOR PARCEL NUMBER (APN)	117-263-006, 117-263-005, 117-263-002
PARCEL SIZE	117-263-006; 0.74 ACRES, 117-263-005; 0.30 ACRES, 117-263-002; 1.24 ACRES
GENERAL PLAN LAND USE DESIGNATION	PUBLIC/QUASI PUBLIC (COASTAL ZONE)
ZONING DESIGNATION	PQP(CZ)
LOT COVERAGE CALCULATIONS	0%, NO BUILDINGS
FLOOR AREA RATIO CALCULATIONS	N/A
TOTAL NEW IMPERVIOUS AREA	N/A, ALL IMPROVEMENTS ARE OCCURRING ON THE EXISTING IMPERVIOUS AREA
ESTIMATED CUT/FILL	0
ESTIMATED SOIL IMPORT/EXPORT	0
TREE REMOVAL	N/A
IMPERVIOUS COVERAGE	TOTAL AREA COVERED BY STRUCTURES: 0 SF TOTAL AREA COVERED BY IMPERVIOUS SURFACES (NEW + EXISTING PAVEMENT): 31628.49 SF
REQUIRED AND PROPOSED PARKING COUNTS	N/A
WATER SERVICE	PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT
SEWER	PAJARO COUNTY SANITATION DISTRICT

CONSTRUCTION NOTES

1. INSTALL 4'-5" X 4'-5" BYPASS VALVE VAULT PER DRAWING C-104
2. REMOVE AND REPLACE 10" ELECTROMAGNETIC FLOW METER (FLG)
3. SEE DRAWING M-301 FOR TANK REHABILIATION

NOTE: ENTIRE SITE IS LOCATION WITHIN THE FEMA FLOOD ZONE DESIGNATION: AE

20' 10' 0' 10' 20'

SCALE: 1" = 20'

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

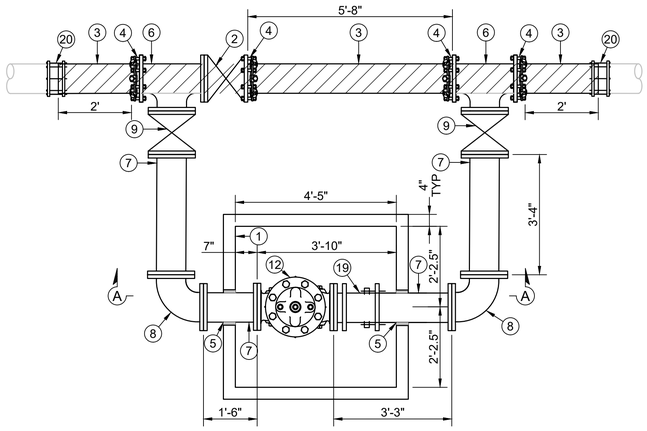
PAJARO TANK PLAN

PROJECT NUMBER
CWTRC.200476.05

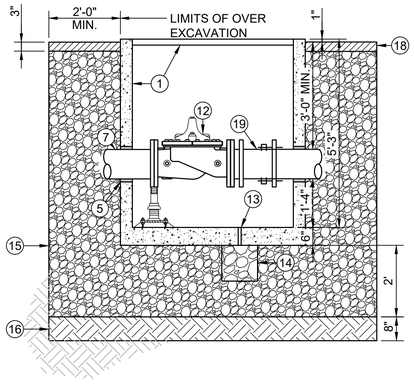
DRAWING NUMBER
C-092

SHEET NUMBER
97 OF **158**

C:\Box\Projects\CWTRC - Community Water Center\CWTRC.200476.05\PWD Proj Eng_CAD\3 Drawings\Pajaro Tank Plan.dwg
Fri 13 Mar 26 01:23:33 PM by Mike Drago



PLAN



SECTION A-A

BYPASS VALVE VAULT DETAIL 1 / C-301

2' 1' 0' 1' 2'

SCALE: 1/2" = 1'-0"

BYPASS VALVE VAULT PARTS LIST

1. 4.5' X 4.5' X 5'-3" PRECAST CONCRETE VAULT WITH H-20 TRAFFIC RATED DOUBLE LEAF HATCH
2. REMOVE AND REPLACE 10" GATE VALVE (FLG)
3. 10" Ø PVC C900 PIPE
4. 10" RESTRAINED FLANGE COUPLING ADAPTER
5. FILL PIPE PENETRATION THROUGH VAULT WALL WITH NON-SHRINK GROUT
6. 10" D.I. TEE (FLG)
7. 10" Ø D.I. PIPE SPOOL (FLG)
8. 10" 90-DEGREE D.I. FITTING (FLG)
9. 10" GATE VALVE (FLG) PER STANDARD PLAN NO. 3-07.01.
10. 10" MJ RESTRAINT
11. PIPE SUPPORT PER DETAIL 1, DRAWING C-102
12. 10" BACK-PRESSURE SUSTAINING PRESSURE REDUCING VALVE (FLG)
13. 1"Ø DRAIN HOLE
14. 12" X 12" X 12" DRAIN ROCK WRAPPED IN FILTER FABRIC
15. CLASS 2 AB COMPACTED TO 90% MAX. DENSITY
16. TOP 8" SCARIFIED, MOISTURE CONDITIONED, AND COMPACTED TO 90% MAX. DENSITY
17. 10" RESTRAINED FLANGE COUPLING ADAPTER
18. AC PAVEMENT
19. 10"Ø ROMAC DISMANTLING JOINT
20. 10"Ø RESTRAINED TRANSITION COUPLING

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

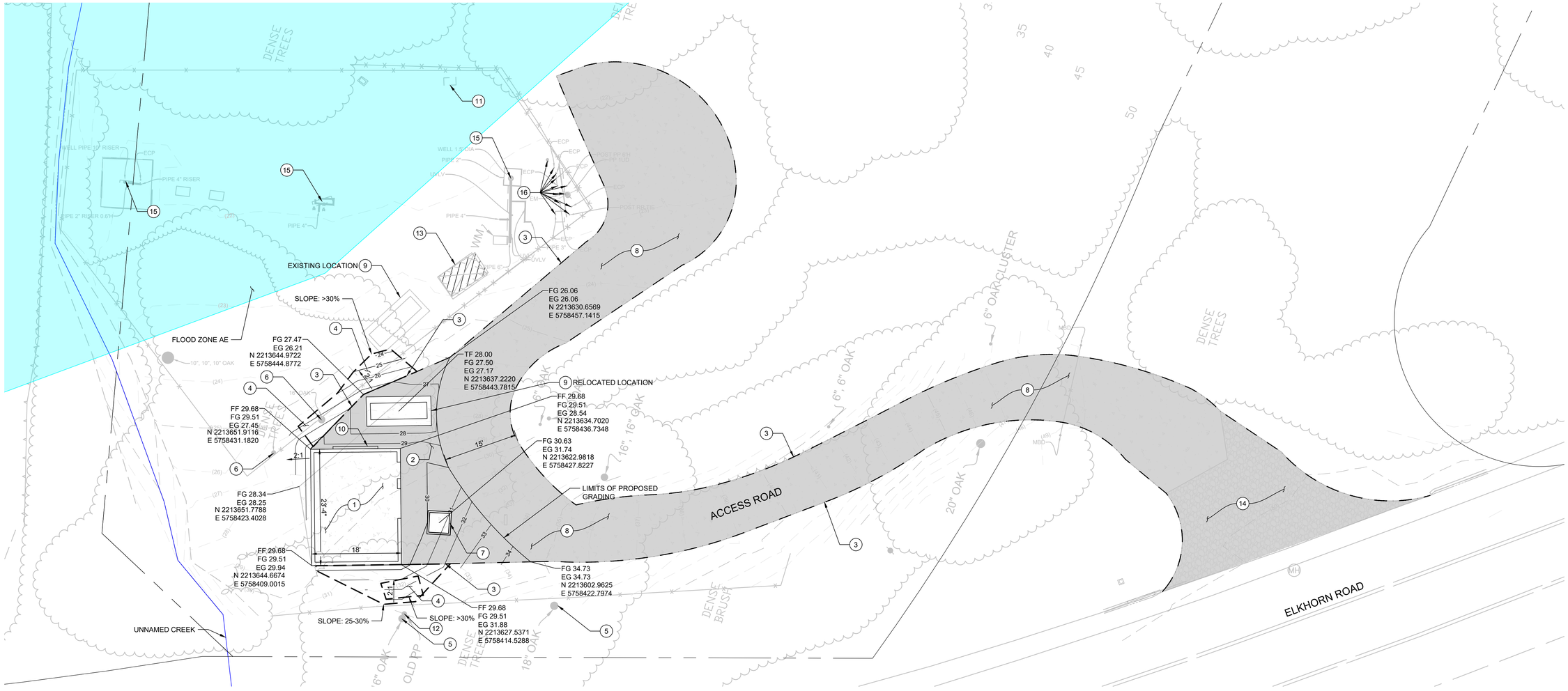
PAJARO TANK PIPING MODIFICATIONS DETAILS

PROJECT NUMBER CWTRC.200476.05

DRAWING NUMBER C-093

SHEET NUMBER 98 OF 158

C:\Bluebeam\Projects\Community Water Consortium\200476.05 Pajaro Proj\Eng_CAD\2 Ground Fwy Piping Modifications Details.dwg
Tue 26 Jan 26 12:03:30 PM by Alejo Martinez



SITE PLAN

10' 5' 0' 5' 10'

SCALE: 1" = 10'

CONSTRUCTION NOTES

1. INSTALL ENCLOSED, PACKAGED DUPLEX BOOSTER PUMP STATION AND BUILDING PER DRAWING C-096.
2. GRADE FINISH SURFACE PER ELEVATIONS SHOWN AND DISTRICT STANDARD 4-02.
3. GRADE EDGES OF AC PLACEMENT AT 2:1 SLOPE TO MEET EXISTING GRADE.
4. DAYLIGHT NEW SURFACE AT 2:1 SLOPE TO MEET EXISTING GRADE.
5. PROTECT TREES IN PLACE.
6. REMOVE TREES.
7. INSTALL BYPASS VAULT PER DETAIL 3, DRAWING C-108.
8. REPLACE AC PAVEMENT ON ACCESS ROAD PER DISTRICT STANDARD 4-02. ELEVATIONS TO MATCH EXISTING CONDITIONS.
9. RELOCATE EXISTING GENERATOR. DEMOLISH AND REMOVE EXISTING CONCRETE PAD. CONSTRUCT NEW CONCRETE PAD PER STRUCTURAL DRAWINGS.
10. INSTALL ELECTRICAL PANEL MOUNTED ON BUILDING WALL PER ELECTRICAL DRAWINGS.
11. WATER METER AND LATERAL FOR TRI-COUNTY LANDSCAPE. LATERAL TO BE REROUTED AND METER RELOCATED, SEE SHEET C-106.
12. PROTECT POWER POLE IN PLACE.
13. DEMOLISH AND REMOVE EXISTING STRUCTURE.
14. REPLACE GRAVEL WITH AC PAVEMENT ON ACCESS ROAD PER DISTRICT 4-02. ELEVATIONS TO MATCH EXISTING CONDITIONS.
15. PROTECT WELLS AND ASSOICATED PIPING AND APPURTENANCES IN PLACE.
16. PROTECT CONTROLS IN PLACE, EXCEPT AS MODIFIED BY ELECTRICAL DRAWINGS.

PROJECT DATA SUMMARY TABLE

ASSESSOR PARCEL NUMBER (APN)	117-121-004
PARCEL SIZE	0.75 ACRES
GENERAL PLAN LAND USE DESIGNATION	AGRICULTURAL CONSERVATION
ZONING DESIGNATION	AC(CZ)
LOT COVERAGE CALCULATIONS	TOTAL BUILDING SF: 420 SF/(0.75 ACRES X 43,560) * 100 = 1.29%
FLOOR AREA RATIO CALCULATIONS	N/A
TOTAL NEW IMPERVIOUS AREA	132.58 SF
ESTIMATED CUT/FILL	1.14 CY (CUT)
ESTIMATED SOIL IMPORT/EXPORT	1.14 CY (EXPORT)
TREE REMOVAL	2 - (1) 16" OAK, (1) 10" OAK
IMPERVIOUS COVERAGE	TOTAL AREA COVERED BY STRUCTURES: 420 SF TOTAL AREA COVERED BY IMPERVIOUS SURFACES (NEW + EXISTING PAVEMENT): 132.58 SF
REQUIRED AND PROPOSED PARKING COUNTS	N/A
WATER SERVICE	PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT
SEWER	PAJARO COUNTY SANITATION DISTRICT

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

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

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

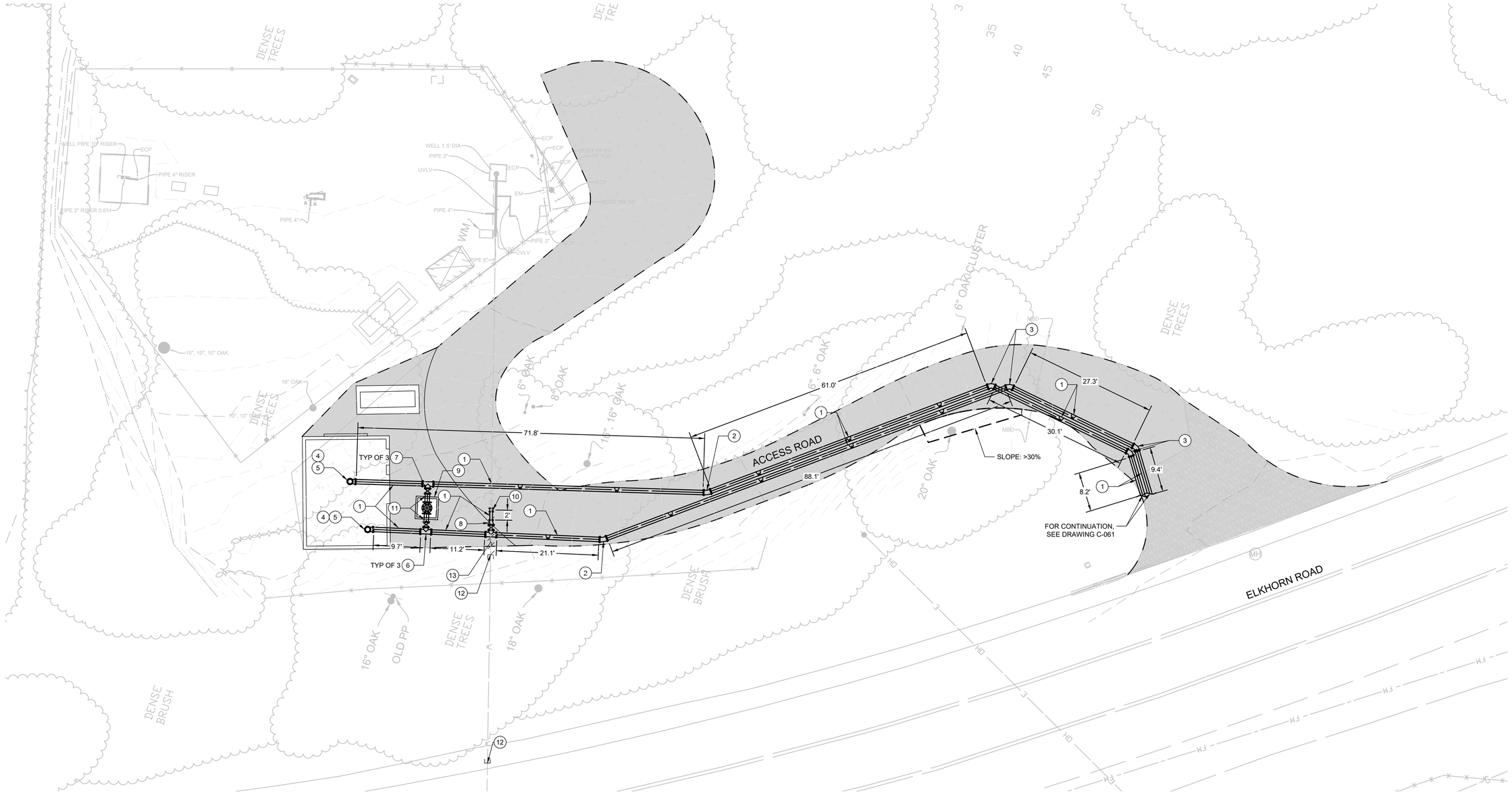
BOOSTER PUMP STATION SITE IMPROVEMENT PLAN

PROJECT NUMBER CWTRC.200476.05

DRAWING NUMBER C-094

SHEET NUMBER 99 OF 158

C:\BoxProjects\CWTRC - Community Water Center\CWTRC.200476.05 PSSD Proj\Eng_CAD\2 Sheets\Booster Pump Station Site Improvement Plan.dwg
Fri 13 Jun 25 14:13:26 PM by Jorge Heredia



PIPING PLAN

10' 5' 0' 5' 10'

SCALE: 1" = 10"

CONSTRUCTION NOTES

1. INSTALL 10"Ø C900 DR 18 PIPING PER DETAIL 1, CASE G, DRAWING C-107.
2. INSTALL 10"Ø 22.5-DEGREE DI FITTING (MJ) WITH JOINT RESTRAINTS AND THRUST BLOCK PER STANDARD PLAN 3-08.01.
3. INSTALL 10"Ø 45-DEGREE DI FITTING (MJ) WITH JOINT RESTRAINTS AND THRUST BLOCK PER STANDARD PLAN 3-08.01.
4. INSTALL 10"Ø 90-DEGREE DI FITTING (MJ) WITH JOINT RESTRAINTS AND THRUST BLOCK PER STANDARD PLAN 3-08.01.
5. CONNECT 10"Ø PIPING TO BOOSTER PUMP STATION.
6. INSTALL 10"Ø DI TEE (MJ X FLG) WITH JOINT RESTRAINTS AND THRUST BLOCK PER STANDARD PLAN 3-08.01.
7. INSTALL 10"Ø GATE VALVE (FLG X MJ).
8. INSTALL 10"X6" DI REDUCER (FLG X MJ) WITH JOINT RESTRAINTS.
9. INSTALL BYPASS VAULT AND PIPING PER DETAIL 3, DRAWING C-108.
10. INSTALL 6"Ø RESTRAINED TRANSITION COUPLING.
11. INSTALL 10"Ø DI SPOOL (FLG).
12. ABANDON EXISTING 6" WELL DISCHARGE LINE AND CAP.
13. DEMOLISH EXISTING WELL DISCHARGE LINE IN CONFLICT WITH CONSTRUCTION.

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

BOOSTER PUMP STATION SITE PIPING PLAN

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-095

SHEET NUMBER
100 OF 158

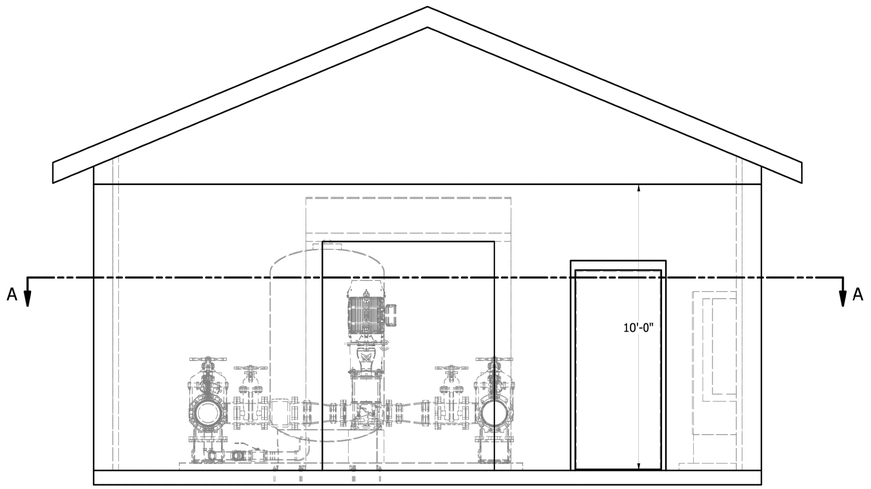
© Blue Projects/CWTRC - Community Water Center/CWTRC.200476.05 P&ID Eng, CAD Sheets/Booster Pump Station Site Piping Plan.dwg

Date: 10-Mar-26 02:23:34 PM by: JAA(A) Kristie

CONFIGURATION: DUPLEX
DAILY PUMPS: GRUNDFOS CR 125-2-1 40HP, 700 GPM EACH AT 178 TDH

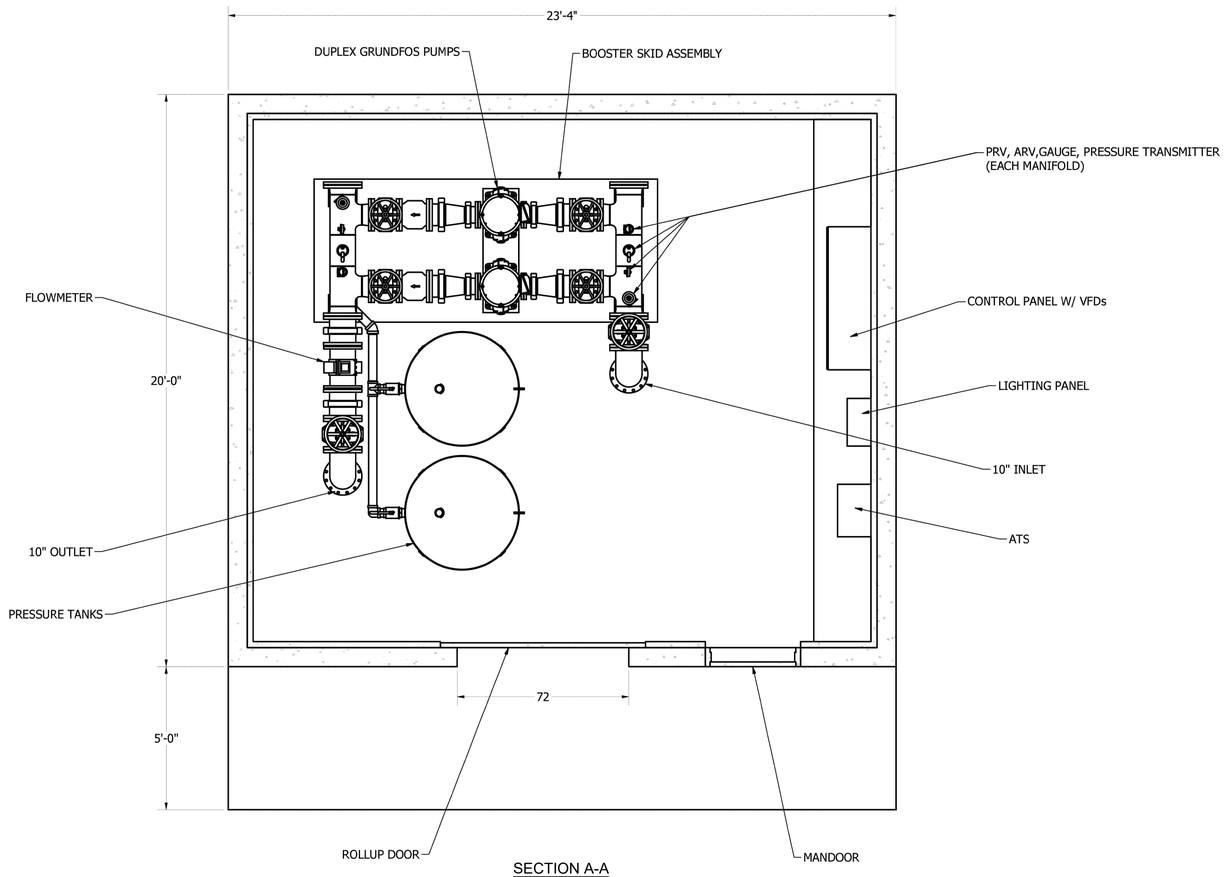
FEATURES:
PRESSURE TANK, PRESSURE TRANSMITTERS, PRESSURE GAUGES, PRESSURE SWITCHES, AIR RELEASE VALVES, PRESSURE RELEASE VALVES, FLOWMETER

CONTROLS:
COMPACT LOGIXS PLC, COLOR HMI, NEMA 3R PAINTED ENCLOSURE, VARIABLE FREQUENCY DRIVES



ELEVATION VIEW

30' 15' 0' 15' 30'
SCALE: 1" = 30'



SECTION A-A

30' 15' 0' 15' 30'
SCALE: 1" = 30'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

BOOSTER PUMP STATION SITE CIVIL DETAILS

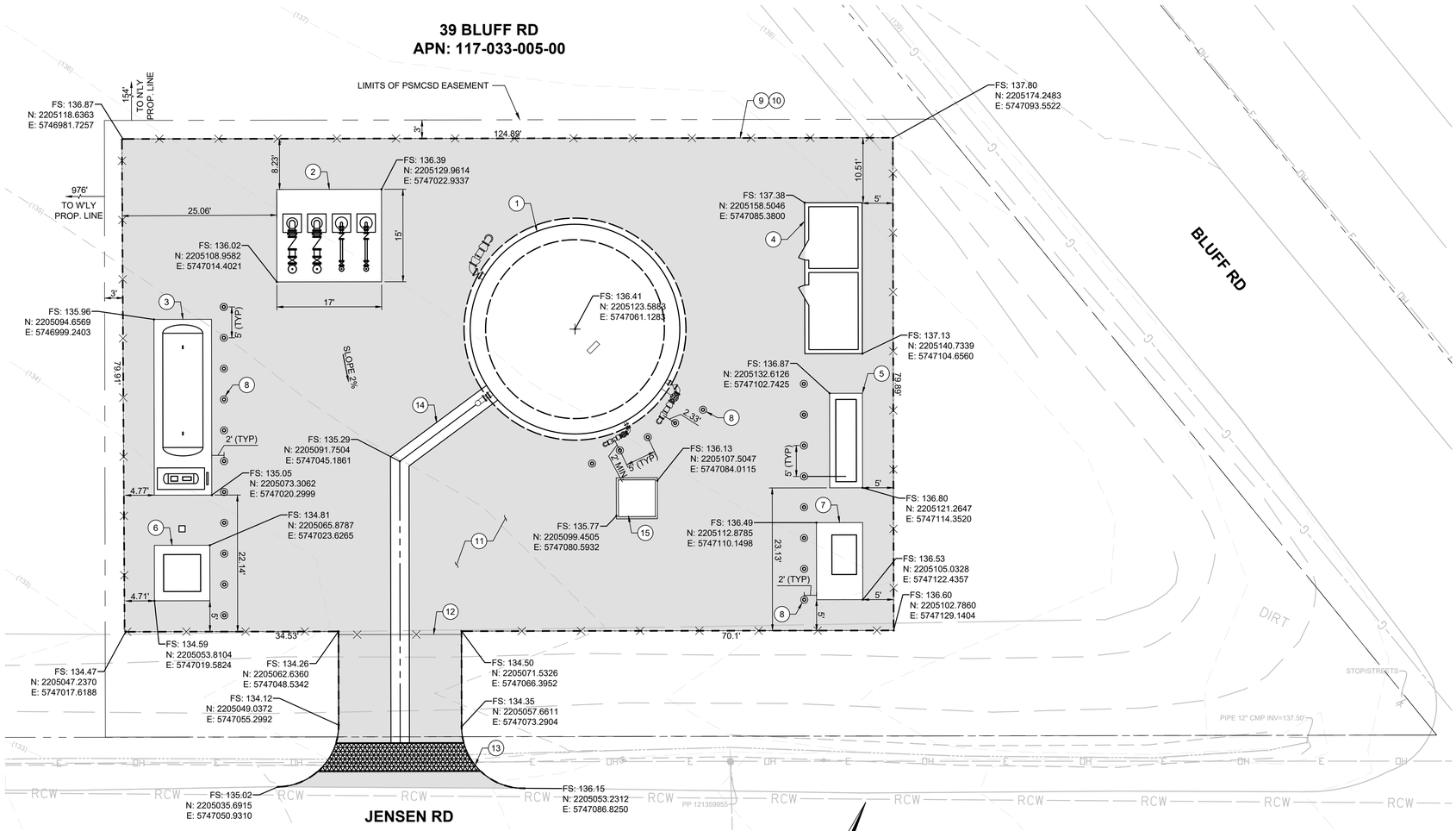
PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-096

SHEET NUMBER
101 OF **158**

C:\Box\Projects\4 - Community Water Conservancy\2024\28 Pano Proj\E Eng_CAD\2 Shoreline Pump Station Site Civil Details.dwg
Wed 27 Aug 25 08:58:07 AM by Hope Mahony

39 BLUFF RD
APN: 117-033-005-00



SITE PLAN

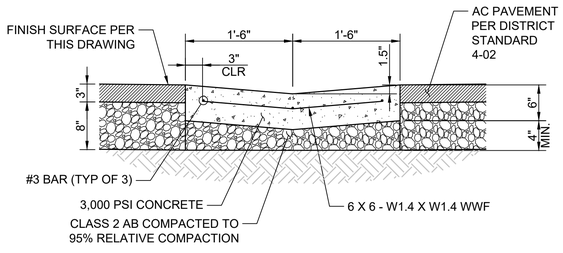
10' 5' 0' 5' 10'

SCALE: 1" = 10'

CONSTRUCTION NOTES

1. CONSTRUCT 125,000-GALLON STEEL TANK AND REINFORCED CONCRETE RINGWALL FOUNDATION PER STRUCTURAL DRAWINGS AND C-099.
2. CONSTRUCT 17' X 15' BOOSTER PUMP STATION CONCRETE SLAB PER STRUCTURAL DRAWINGS.
3. CONSTRUCT 28'-6" X 9'-4" HYDROPNEUMATIC TANK CONCRETE SLAB PER STRUCTURAL DRAWINGS.
4. CONSTRUCT CMU CHEMICAL / ELECTRICAL BUILDING PER DRAWING C-103.
5. CONSTRUCT 15'-4" X 5'-4" GENERATOR CONCRETE SLAB PER STRUCTURAL DRAWINGS.
6. CONSTRUCT 9' X 9' TRANSFORMER CONCRETE SLAB PER STRUCTURAL DRAWINGS.
7. CONSTRUCT 12'-6" X 7'-6" FUEL TANK CONCRETE SLAB PER STRUCTURAL DRAWINGS.
8. INSTALL REMOVABLE BOLLARD PER STANDARD PLAN NO. 4-03 (TOTAL 24).
9. INSTALL 8' CHAIN LINK FENCE PER DETAIL 5, DRAWING C-100.
10. GRADE EDGES OF AC PLACEMENT AT 2:1 SLOPE TO MEET EXISTING GRADE.
11. GRADE FINISHED SURFACE PER ELEVATIONS SHOWN AND DISTRICT STANDARD 4-02.
12. INSTALL 20' ROLLING GATE PER DETAIL 6, DRAWING C-100.
13. INSTALL DRAINAGE CONCRETE BOX CULVERT WITH GRATING TOP PER DETAIL X, SHEET X-XX
14. CONSTRUCT CONCRETE DRAINAGE SWALE PER DETAIL 1, THIS SHEET.
15. INSTALL 6' X 5' X 4'-8" BYPASS VALVE VAULT PER DRAWING C-105

NOTE: DISCUSS USE OF THE REMAINING PORTION OF EASEMENT



DRAINAGE SWALE DETAIL 1 VARIOUS

PROJECT DATA SUMMARY TABLE

ASSESSOR PARCEL NUMBER (APN)	117-033-005
PARCEL SIZE	10.61 ACRES
GENERAL PLAN LAND USE DESIGNATION	AGRICULTURAL CONSERVATION
ZONING DESIGNATION	AC(CZ)
LOT COVERAGE CALCULATIONS	TOTAL BUILDING SF: 228.67 SF/(10.61 X 43,560) * 100 = 0.05%
FLOOR AREA RATIO CALCULATIONS	N/A
TOTAL NEW IMPERVIOUS AREA	10316.63 SF
ESTIMATED CUT/FILL	149.41 (FILL)
ESTIMATED SOIL IMPORT/EXPORT	149.41 (IMPORT)
TREE REMOVAL	N/A
IMPERVIOUS COVERAGE	TOTAL AREA COVERED BY STRUCTURES: 228.67 SF TOTAL AREA COVERED BY IMPERVIOUS SURFACES (NEW + EXISTING PAVEMENT): 10316.63 SF
REQUIRED AND PROPOSED PARKING COUNTS	N/A
WATER SERVICE	PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT
SEWER	N/A

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

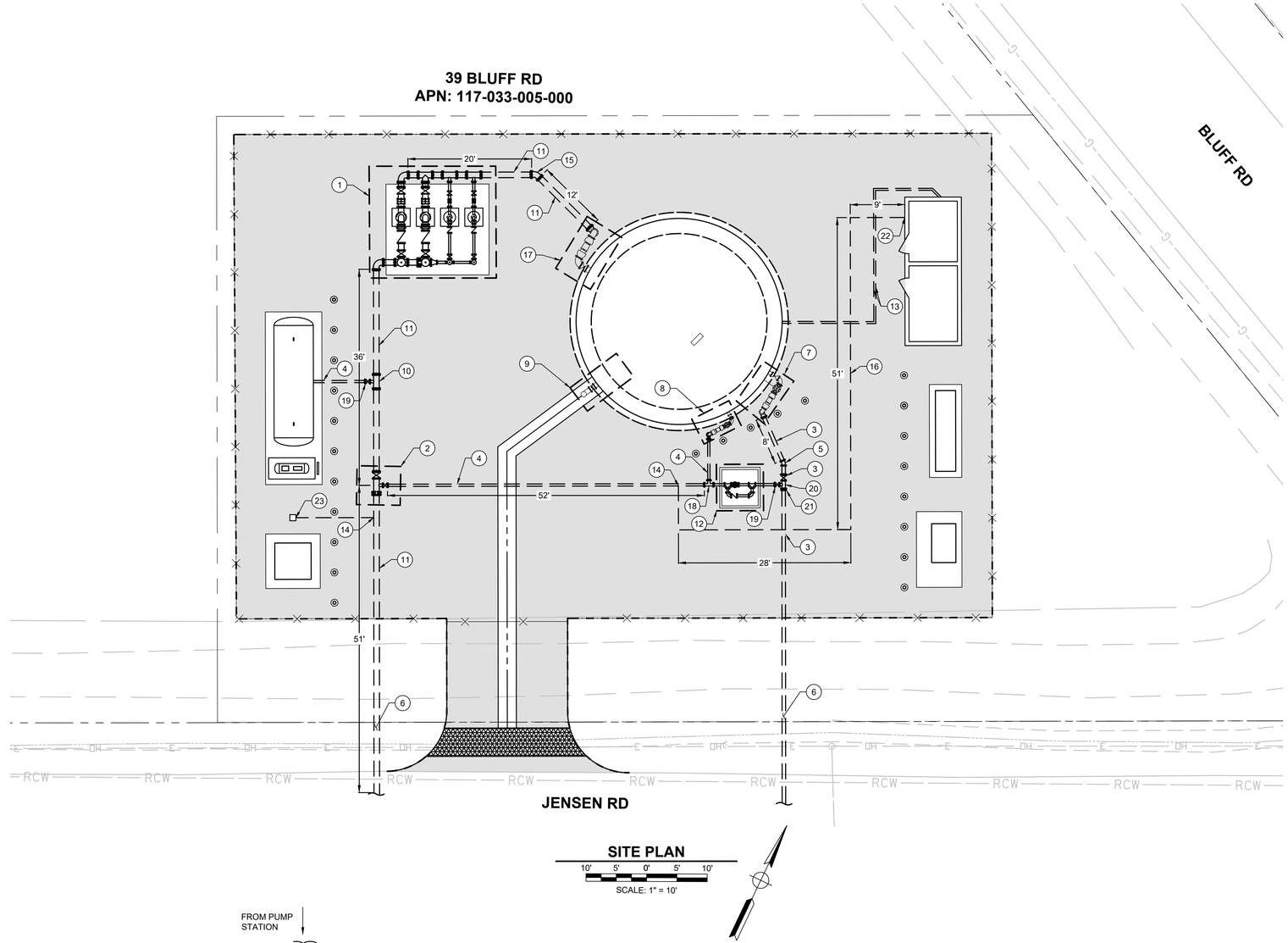
0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

BLUFF-JENSEN SITE IMPROVEMENT PLAN

PROJECT NUMBER: CWTRC.200476.05
DRAWING NUMBER: C-097
SHEET NUMBER: 102 OF 158

C:\Bluff\Projects\CWTRC - Community Water Center\CWTRC.200476.05 PSMS Proj Eng_CAD\ Sheets\BluJensen Site Improvement Plan.dwg
Fri 1/26/26 04:13:29 PM by JaMyn Kreda



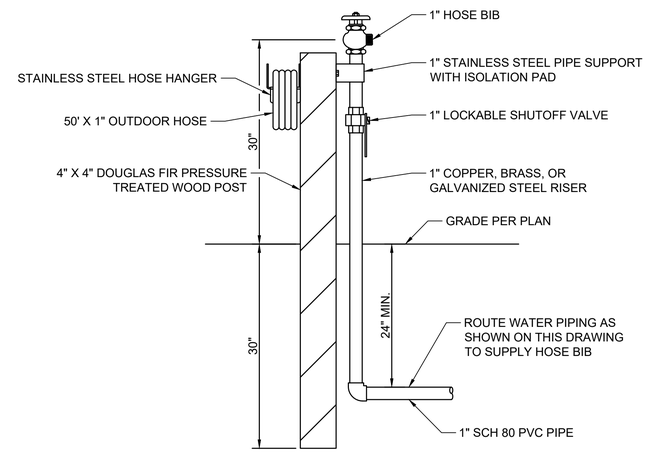
SITE PLAN

10' 5' 0' 5' 10'

SCALE: 1" = 10'

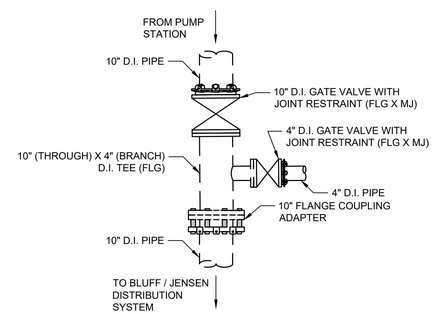
CONSTRUCTION NOTES

1. INSTALL BOOSTER PUMP STATION PER DRAWING M-501.
2. INSTALL TEE, VALVES, AND PIPING PER DETAIL 1, THIS SHEET.
3. INSTALL 6" Ø PVC C900 DR 25 PIPING PER DETAIL 1, CASE D, SHEET C-107.
4. INSTALL 4" Ø PVC C900 DR 25 PIPING PER DETAIL 1, CASE D, SHEET C-107.
5. INSTALL 6" Ø 22.5-DEGREE D.I. FITTING (MJ) WITH JOINT RESTRAINTS.
6. SEE DRAWING C-021 FOR CONTINUATION OF 6"Ø PVC C900 DR 25 WATER MAIN.
7. INSTALL PRIMARY TANK FILL PIPING PER DETAIL1, DRAWING C-104.
8. INSTALL SECONDARY TANK FILL PIPING PER DETAIL 1, DRAWING C-104.
9. CONSTRUCT TANK OVERFLOW / DRAIN PER DETAIL 7, SHEET C-099.
10. INSTALL 10" X 4" D.I. REDUCING TEE (10" THROUGH, MJ WITH JOINT RESTRAINTS X 4" BRANCH, FLG)
11. INSTALL 10" Ø PVC C900 DR 25 PIPING PER DETAIL 1, CASE D, SHEET C-107.
12. INSTALL 6' X 6' X 4'-8" BYPASS VALVE VAULT PER DETAIL 1, SHEET C-105.
13. INSTALL SAMPLE WATER SUPPLY LINE AND SAMPLE DELIVERY LINE, 1/2" I.D. POLYETHYLENE TUBING.
14. INSTALL 1" SADDLE SERVICE CONNECTION PER STANDARD PLAN NO. 3-01.01.
15. INSTALL 10" Ø 45-DEGREE D.I. FITTING (MJ) WITH JOINT RESTRAINTS.
16. INSTALL 1" SCH 80 PVC WATER LINE PER DETAIL 1, CASE F, SHEET C-107.
17. INSTALL TANK OUTLET PIPING PER DETAIL 2, SHEET C-105.
18. INSTALL 4" Ø D.I. TEE (MJ) WITH JOINT RESTRAINTS.
19. INSTALL 4" Ø D.I. GATE VALVE (MJ X FLG).
20. INSTALL 6" X 4" D.I. REDUCING TEE (6" THROUGH, MJ WITH JOINT RESTRAINTS X 4" BRANCH, FLG)
21. INSTALL 6" FLANGE COUPLING ADAPTER
22. INSTALL HOSE BIB CONNECTION, HOSE RACK, AND 50' OUTDOOR HOSE PER DETAIL 1, DRAWING C-102
23. INSTALL POST, HOSE BIB CONNECTION, HOSE RACK, AND 50' OUTDOOR HOSE PER DETAIL 2, THIS SHEET



HOSE BIB AND RACK DETAIL 2

N.T.S.



TEE PIPING DETAIL 1

SCALE: 1" = 2'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

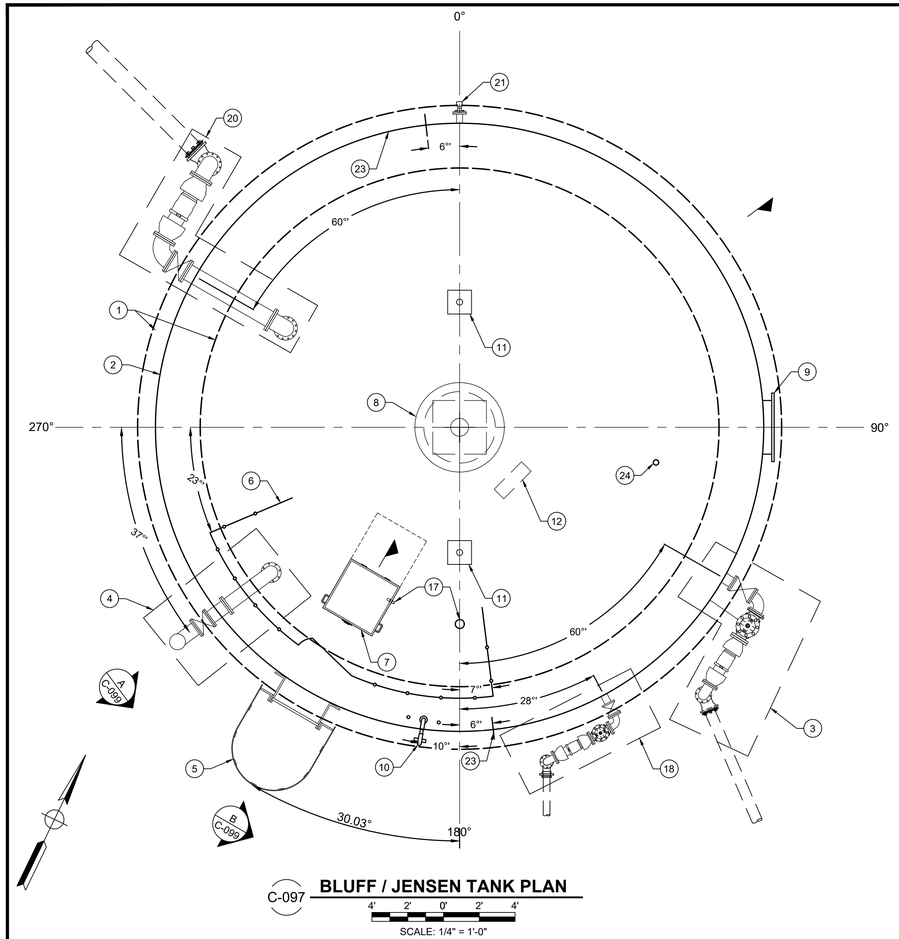
BLUFF-JENSEN SITE PIPING PLAN

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-098

SHEET NUMBER
103 OF 158

Mon Jan 26 09:23:54 AM by Kelly Diego
C:\Build Projects\CWTRC - Community Water Center\CWTRC.200476.05\810 Proj\Engr_CAD\ Drawings\Bluff-Jensen Site Piping Plan.dwg



C-097 **BLUFF / JENSEN TANK PLAN**

4' 2' 0' 2' 4'

SCALE: 1/4" = 1'-0"

TANK CONSTRUCTION KEY NOTES

1. CONCRETE RINGWALL FOUNDATION PER STRUCTURAL DRAWINGS
2. 125,000-GALLON BOLTED STEEL TANK, 34' DIAMETER, 24' HEIGHT
3. PRIMARY INLET CONNECTION PER DETAIL 1, DRAWING C-104
4. OVERFLOW AND DRAIN OUTLET PER DETAIL 7, DRAWING C-100
5. EXTERIOR LADDER AND CAGE PER DETAIL 8, DRAWING C-101
6. TANK ROOF SAFETY RAILING PER DETAIL 9, DRAWING C-101
7. 3' X 3' ROOF HATCH PER DETAIL 9, DRAWING C-101
8. ROOF VENT PER DETAIL 1, DRAWING C-100
9. 36" MANWAY PER DETAIL 11, DRAWING C-102
10. WATER LEVEL GAUGE BOARD PER DETAIL 12, DRAWING C-102
11. FALL PROTECTION TIE-OFF PER DETAIL 3, DRAWING C-100
12. TANK MIXING SYSTEM, GRIDBEE GS-9 SUBMERSIBLE ELECTRIC MIXER
13. OIL SAND BEDDING, 6" MINIMUM DEPTH
14. CLASS 2 AGGREGATE BASE COMPACTED TO 95% RELATIVE COMPACTION
15. TOP 8" SUBGRADE SCARIFIED, MOISTURE CONDITIONED, AND COMPACTED TO 95% RC
16. ASPHALT CONCRETE PER DISTRICT STANDARD 4-02
17. LEVEL FLOATS PER TANK SECTION B-B, THIS DRAWING
18. TANK SECONDARY INLET PIPING PER DETAIL 3, DRAWING C-104
19. CONCRETE SUPPORT COLUMN FOUNDATION PER STRUCTURAL DRAWINGS
20. TANK OUTLET PIPING PER DETAIL 2, SHEET C-105
21. 4" CONNECTION (FLG), TAPPED BLIND FLANGE, AND PRESSURE TRANSDUCER
22. INTERIOR LADDER PER DETAIL 10, DRAWING C-102
23. SAMPLE PORT PER DETAIL 2, DRAWING C-100
24. 1-5/16"Ø CONNECTION FOR MIXER JUNCTION BOX, CABLE, AND SAMPLE AND DISCHARGE LINES FROM AUTOMATED DISINFECTANT SYSTEM.
25. CONCRETE DRAINAGE SWALE PER DETAIL 1, DRAWING C-097

BLUFF / JENSEN TANK SECTION A-A

4' 2' 0' 2' 4'

SCALE: 1/4" = 1'-0"

BLUFF / JENSEN TANK SECTION B-B

4' 2' 0' 2' 4'

SCALE: 1/4" = 1'-0"

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

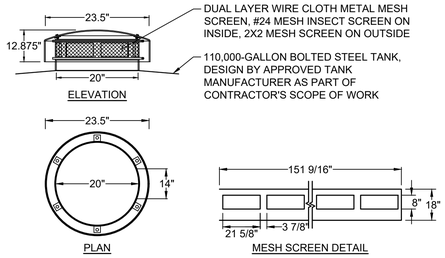
BLUFF-JENSEN SITE TANK PLAN AND SECTION

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-099

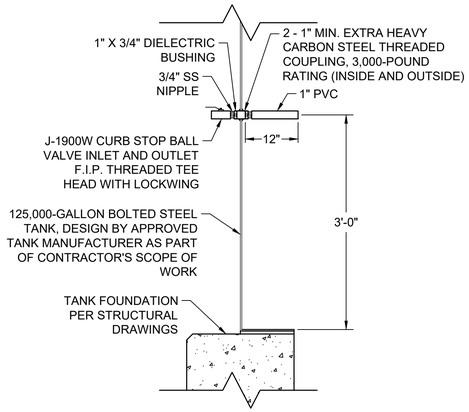
SHEET NUMBER
104 OF 158

Thu, 1:15:pm By: Nicol Mallory
C:\Build Projects\Work - Community Water Consolidation\200476.05 Plans\Proj\Eng_CADD Sheets\B-A Annex\B-A Tank Plan And Section.dwg



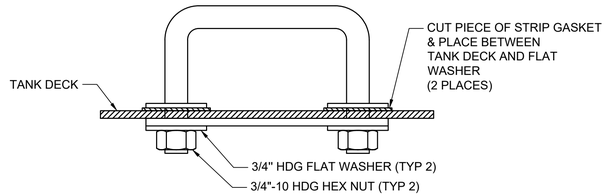
ROOF VENT DETAIL — 1 / C-099

NTS



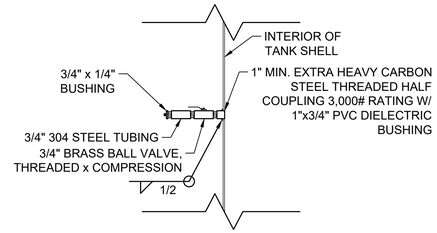
SAMPLE PORT DETAIL — 2 / C-099

NTS



FALL PROTECTION ANCHOR TIE OFF — 3 / C-099

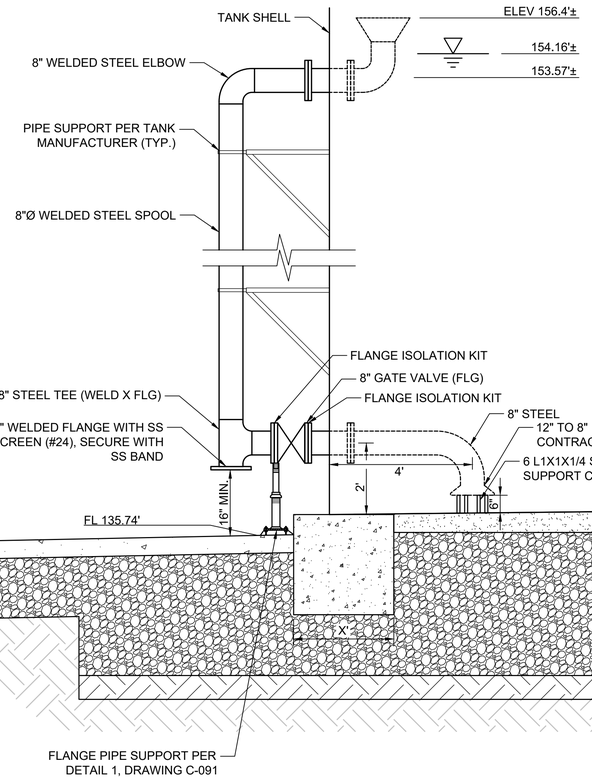
NTS

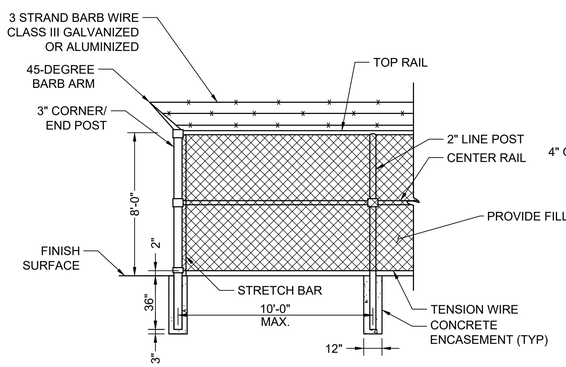


SENSING LINE DETAIL — 4 / C-104

1' 0.5' 0' 0.5' 1'

1 in. = 1 ft.

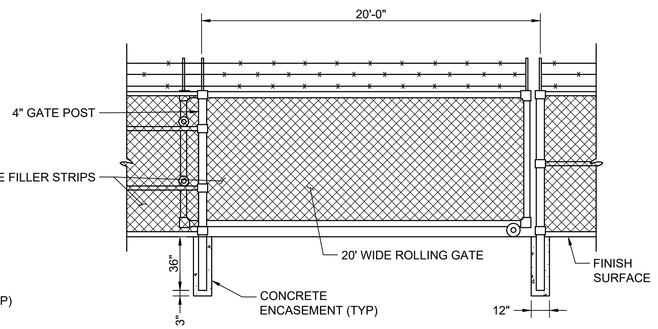




CHAIN LINK FENCE DETAIL — 5 / C-097

4' 2' 0' 2' 4'

SCALE: 1/4" = 1'-0"



ROLLING GATE DETAIL — 6 / C-097

4' 2' 0' 2' 4'

SCALE: 1/4" = 1'-0"

OVERFLOW AND DRAIN DETAIL — 7 / C-099

2' 1' 0' 1' 2'

SCALE: 1/2" = 1'-0"

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER — NICHOLAS E. PANOFSKY — C75006 Exp. 12-31-2027 — CIVIL — STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

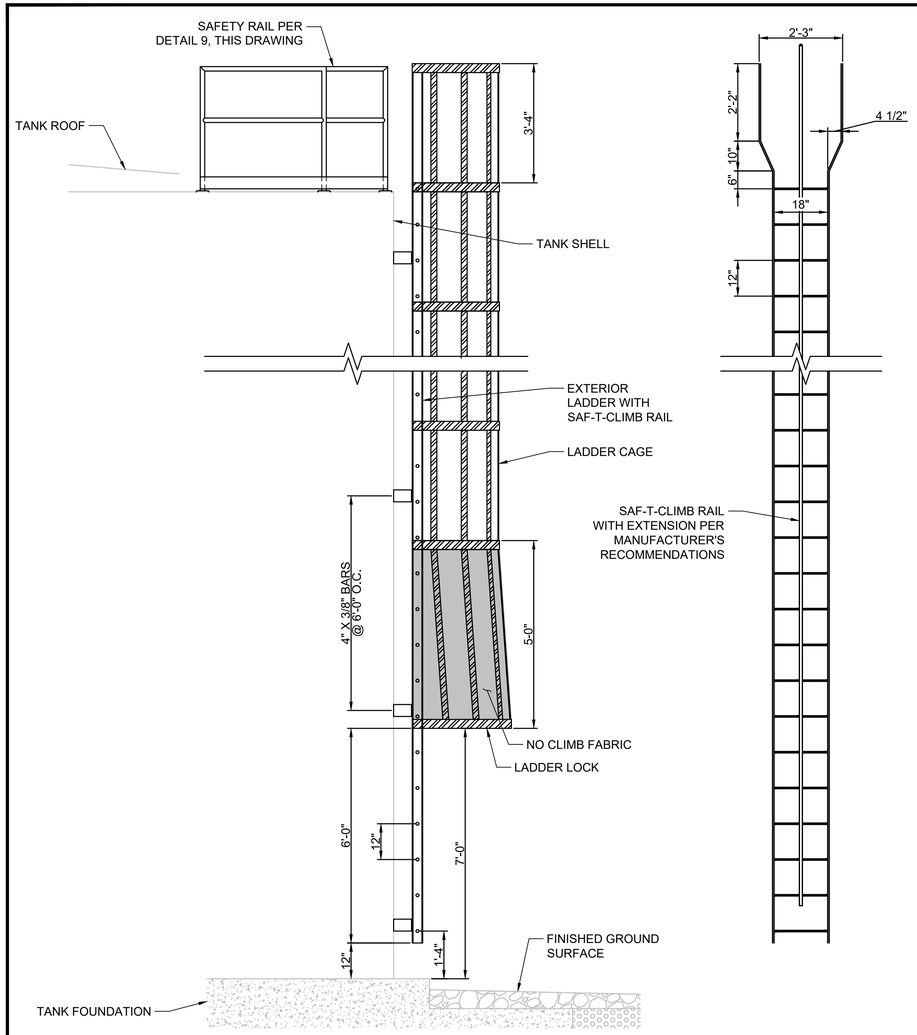
BLUFF-JENSEN SITE TANK DETAILS 1

PROJECT NUMBER: CWTRC.200476.05

DRAWING NUMBER: C-100

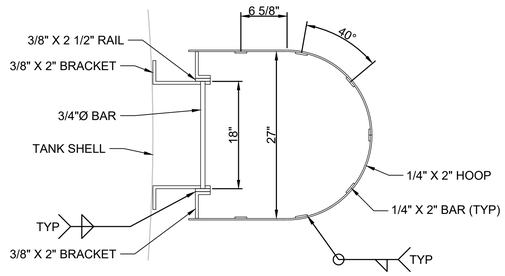
SHEET NUMBER: 105 OF 158

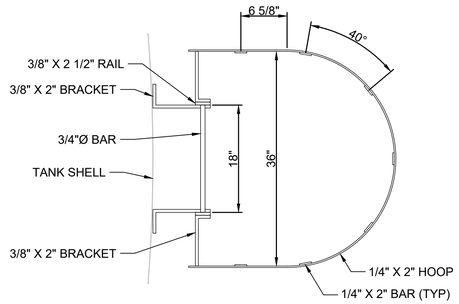
Thu, 11 Dec 25 12:13:29 PM by Floyd McElroy
C:\Bim\Projects\cwtrc - Community Water Conservation\200476.05 Permit Proj\Cfg_CADZ Drawings\Bluff-Jensen Site Tank Details.dwg

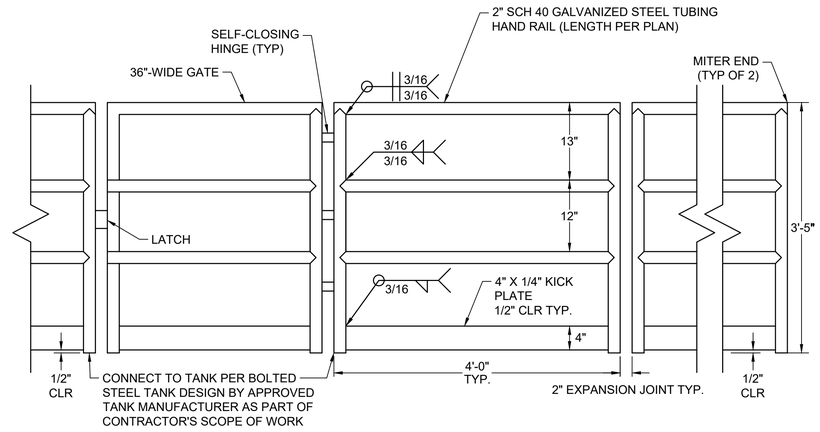


EXTERIOR LADDER DETAIL — 8 / C-099

NTS

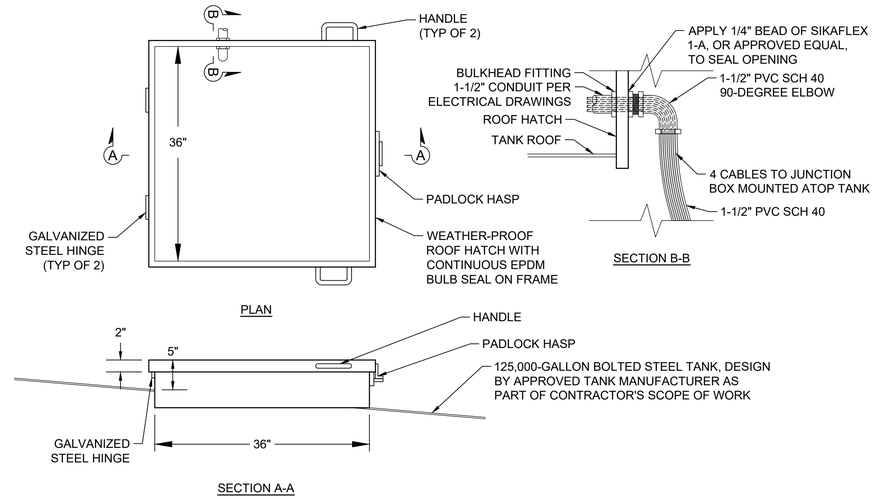






TANK ROOF SAFETY RAILING — 9 / C-33

NTS



ROOF HATCH DETAIL — 9 / C-099

NTS

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

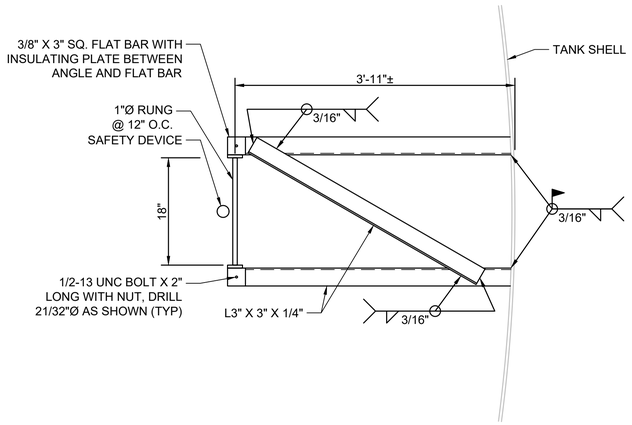
0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

BLUFF-JENSEN SITE TANK DETAILS 2

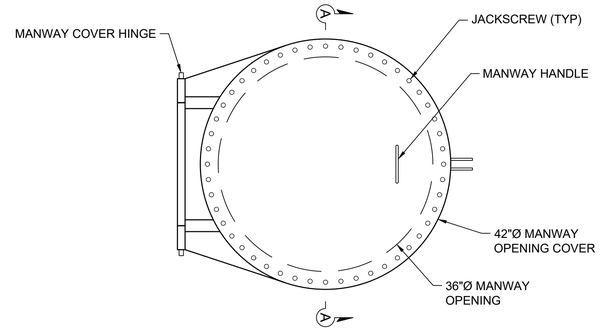
PROJECT NUMBER: CWTRC.200476.05
DRAWING NUMBER: C-101
SHEET NUMBER: 106 OF 158

Thu 11/Dec/25 12:33:34 PM by Hope Mabrey
C:\Dev\Projects\Active - Community Water Center\work\2025\25.09 Plans Prep\3 Eng_CAD\3 Sheets\BLP\Jensen Site Tank Details.dwg

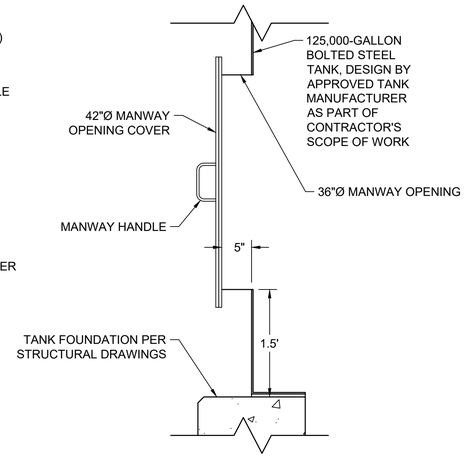


INTERIOR LADDER DETAIL **10** / **C-099**

NTS



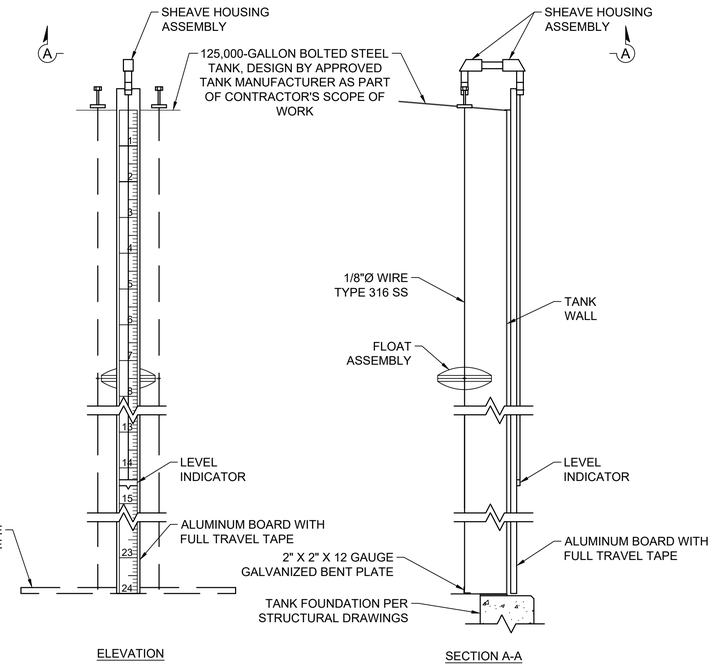
PLAN



SECTION A-A

SHELL MANWAY DETAIL **11** / **C-099**

NTS



ELEVATION

SECTION A-A

GAUGE BOARD DETAIL **12** / **C-099**

NTS

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

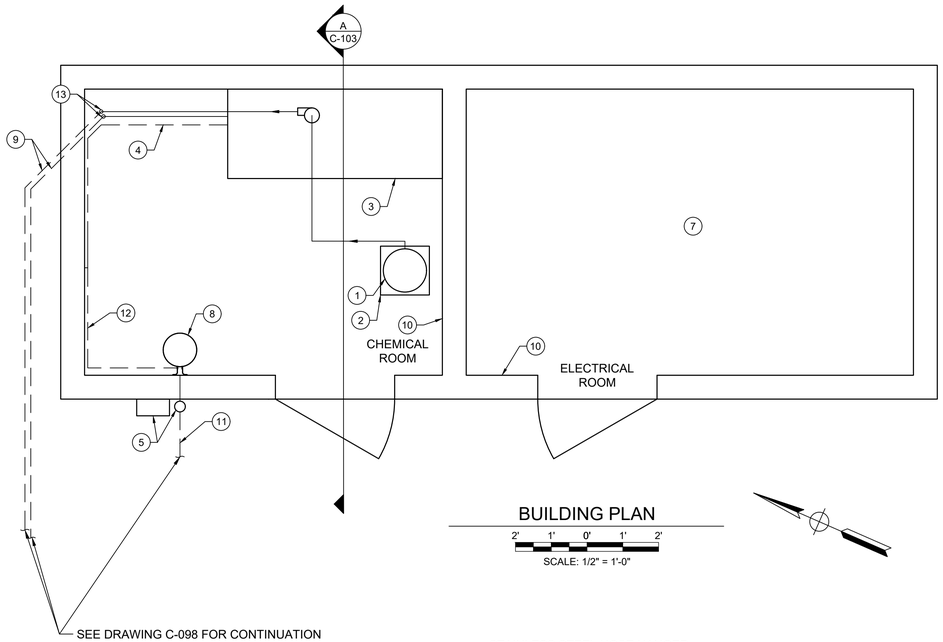
BLUFF-JENSEN SITE TANK DETAILS 3

PROJECT NUMBER **CWTRC.200476.05**
DRAWING NUMBER **C-102**
SHEET NUMBER **107** OF **158**

C:\Box\Projects\Pajaro - Community Water Center\cwtrc.200476.05 Phase Prog\Eng_CAD\ Sheets\BLM-Jensen Site Tank Details.dwg
Thu 1:58p,25 - 21:19:38 Pat by: Hope Mallory

PARTS LIST

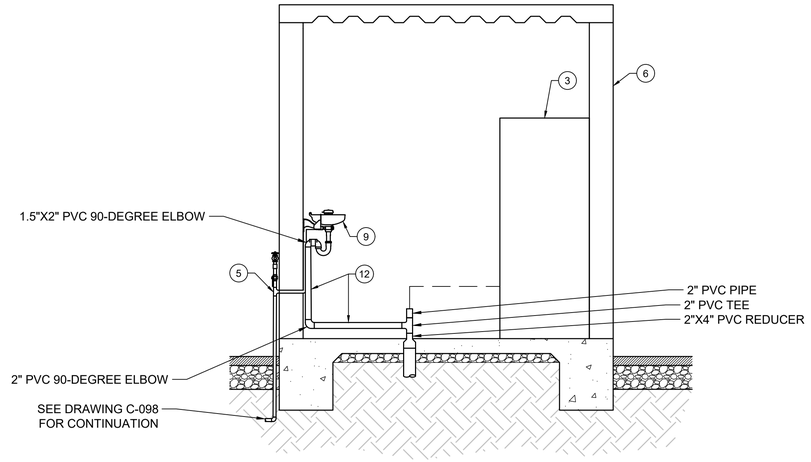
1. 15-GAL 12.5% SODIUM HYPOCHLORITE STORAGE DRUM.
2. SECONDARY CHEMICAL CONTAINMENT PAD.
3. FLOOR-MOUNTED AUTOMATED DISINFECTANT CONTROL SYSTEM.
4. CONNECT AUTOMATED DISINFECTANT CONTROL SYSTEM TO DRAIN PER MANUFACTURER RECOMMENDATIONS.
5. HOSE RACK BIB AND RACK, MOUNTED ON BUILDING WALL, PER DETAIL 1, THIS SHEET.
6. CMU BUILDING AND BUILDING FOUNDATION PER STRUCTURAL DRAWINGS.
7. SEE ELECTRICAL DRAWINGS.
8. EYE WASH STATION.
9. 1/2" I.D. POLYETHYLENE TUBING FOR SAMPLE WATER SUPPLY LINE AND SAMPLE DELIVERY LINE. SEE DRAWING C-098 FOR CONTINUATION.
10. INSTALL 5LB MOUNT FOR FIRE EXTINGUISHER.
11. WATER SUPPLY LINE FOR EYE WASH STATION. SEE DRAWING C-098 FOR CONTINUATION.
12. CONNECT EYE WASH STATION TO DRAIN WITH 2" SCH 40 PVC PIPE.
13. EXTEND SECONDARY CONTAINMENT PIPING FLUSH WITH BUILDING FLOOR. SEAL ANNULAR SPACE WITH EXPANDING FOAM



BUILDING PLAN

2' 1' 0' 1' 2'

SCALE: 1/2" = 1'-0"

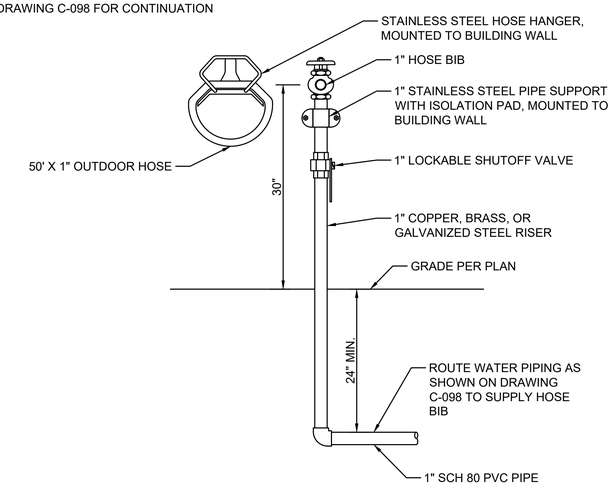


BUILDING SECTION A-A

A C-103

2' 1' 0' 1' 2'

SCALE: 1/2" = 1'-0"



HOSE BIB AND RACK DETAIL 1

N.T.S.

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

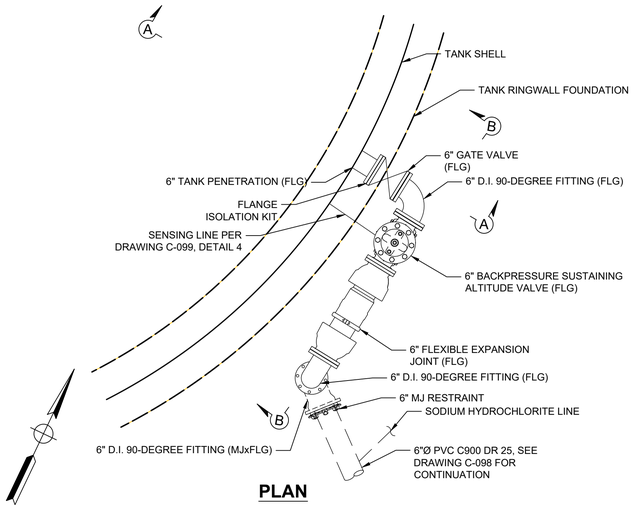
BLUFF-JENSEN SITE CHEMICAL ELECTRICAL BUILDING PLAN AND SECTION

PROJECT NUMBER
CWTRC.200476.05

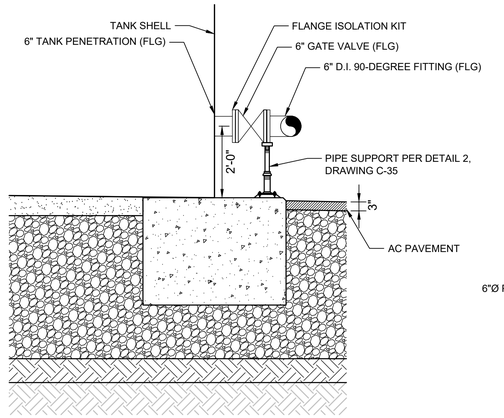
DRAWING NUMBER
C-103

SHEET NUMBER
108 OF 158

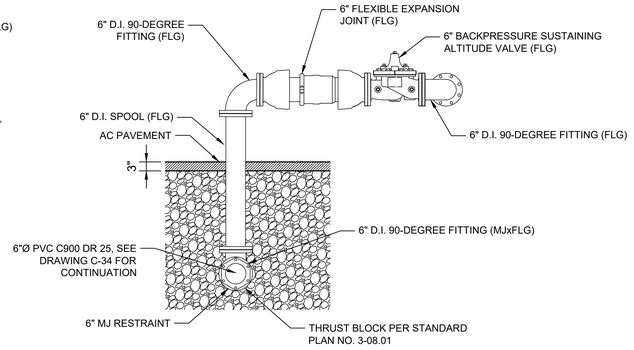
C:\Dev\Projects\Pajaro - Community Water Center\work\CWTRC.200476.05 Phase Proj\Eng_CAD\ Sheets\Bluff-Jensen Site Chemical Electrical Building.dwg
Fri 12/Sep/25 20:39:24 AM by Hope Mallory



PLAN



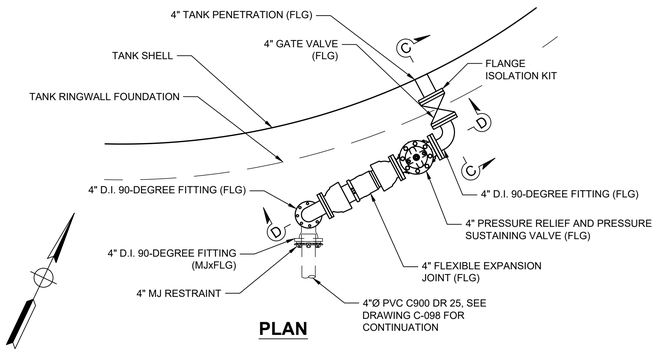
SECTION A - A



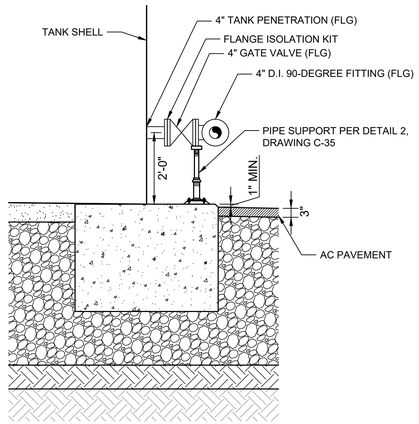
SECTION B - B

1 C-098 **TANK PRIMARY INLET PIPING - BLUFF-JENSEN SITE**

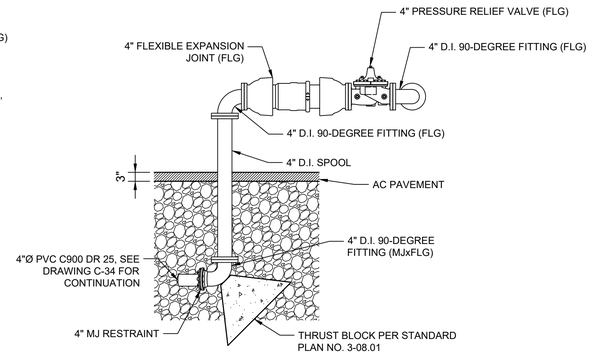
SCALE: 1" = 2'



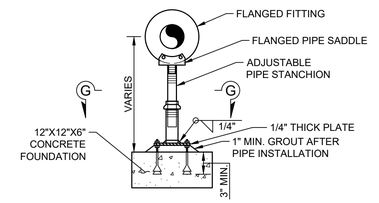
PLAN



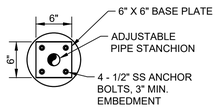
SECTION C - C



SECTION D - D



ELEVATION



SECTION G - G

3 C-098 **TANK SECONDARY INLET PIPING - BLUFF-JENSEN SITE**

SCALE: 1" = 2'

2 C-104 **PIPE SUPPORT DETAIL - BLUFF-JENSEN SITE**

SCALE: 1" = 1'

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

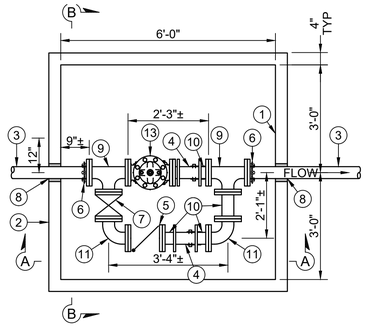
BLUFF-JENSEN SITE CIVIL DETAILS 1

PROJECT NUMBER
CWTRC.200476.05

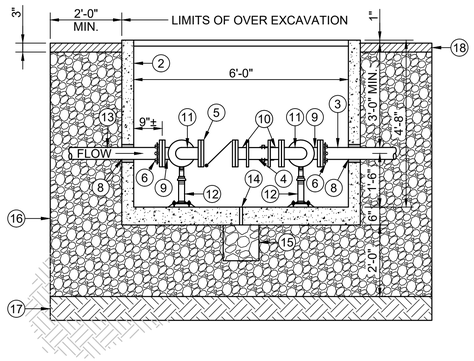
DRAWING NUMBER
C-104

SHEET NUMBER
109 OF 158

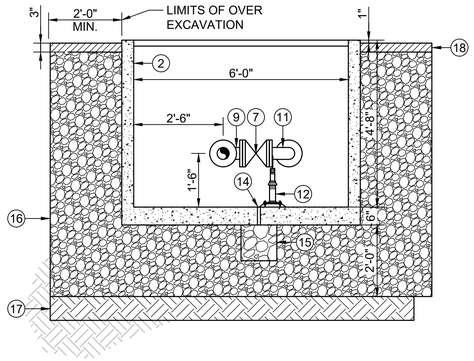
Thu 1:18pm,25 - 12:23:3 AM by Hope Mahony C:\Box\Projects\Projects - Community Water Center\projects\2024\25 Pano Proj\Eng_CAD\ Sheets\BLPJ\Arawes Site C+E Details.dwg



PLAN



SECTION A - A



SECTION B - B

BYPASS VALVE VAULT PARTS LIST

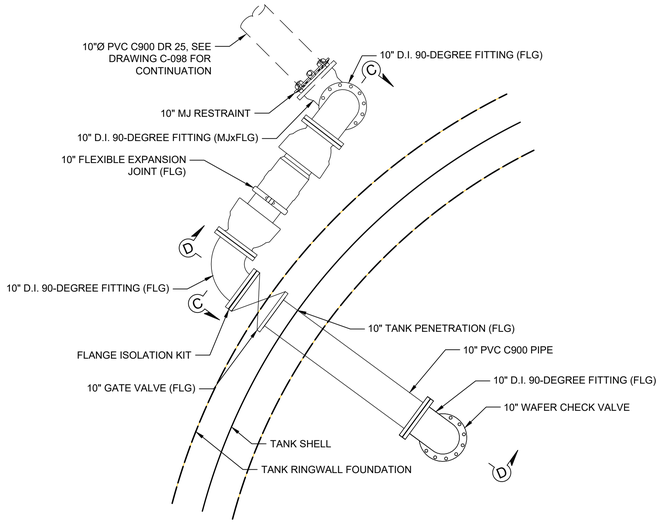
1. FIXED LADDER
2. 6' X 6' X 4'-8" PRECAST CONCRETE VAULT WITH H-20 TRAFFIC RATED DOUBLE LEAF HATCH
3. 4"Ø PVC C900 DR 25 PIPE
4. 4"Ø DISMANTLING JOINT
5. 4" CHECK VALVE (FLG)
6. 4" RESTRAINED FLANGE COUPLING ADAPTER
7. 4" GATE VALVE (FLG)
8. FILL PIPE PENETRATION THROUGH VAULT WALL WITH NON-SHRINK GROUT
9. 4" D.I. TEE (FLG)
10. 4"Ø D.I. PIPE SPOOL (FLG)
11. 4" 90-DEGREE D.I. FITTING (FLG)
12. PIPE SUPPORT PER DETAIL 2, THIS DRAWING
13. 4" BACK-PRESSURE SUSTAINING ALTITUDE VALVE (FLG)
14. 1"Ø DRAIN HOLE
15. 12" X 12" X 12" DRAIN ROCK WRAPPED IN FILTER FABRIC
16. CLASS 2 AB COMPACTED TO 90% MAX. DENSITY
17. TOP 8" SCARIFIED, MOISTURE CONDITIONED, AND COMPACTED TO 90% MAX. DENSITY
18. AC PAVEMENT

BYPASS VALVE VAULT OPERATION NOTES

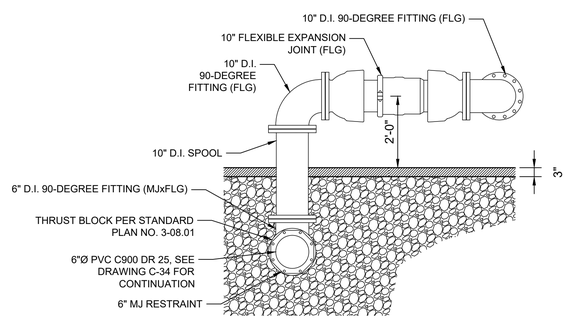
1. NORMAL OPERATION: ISOLATION VALVES OUTSIDE OF VAULT WILL BE CLOSED. NO FLOW WILL PASS THROUGH THE VAULT.
2. BYPASSING OPERATION: IF PUMP STATION IS OFF-LINE, ISOLATION VALVES OUTSIDE OF VAULT CAN BE OPENED, AND VALVE IN VAULT CAN BE OPENED TO PROVIDE LOW PRESSURE SERVICE TO THE DISTRIBUTION SYSTEM. FIRE FLOW WILL NOT BE PROVIDED IN THIS OPERATIONAL SCENARIO.

1 / C-098 **VALVE VAULT - BLUFF-JENSEN SITE**

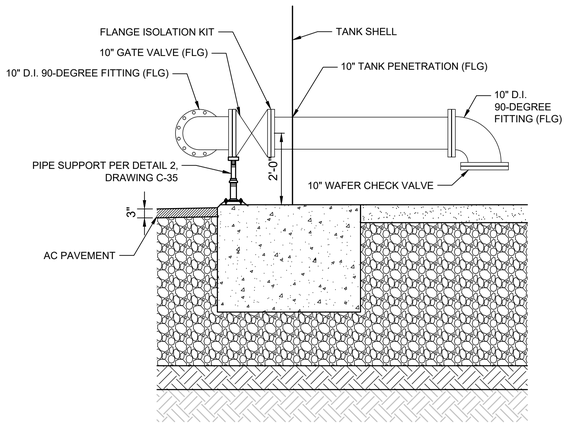
SCALE: 1" = 2'



PLAN



SECTION C - C



SECTION D - D

2 / C-098 **TANK OUTLET PIPING - BLUFF-JENSEN SITE**

SCALE: 1" = 2'

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

BLUFF-JENSEN SITE CIVIL DETAILS 2

PROJECT NUMBER **CWTRC.200476.05**
DRAWING NUMBER **C-105**
SHEET NUMBER **110** OF **158**

C:\Box\Projects\pro - Community Water Districts\2024\5.0 Work Files\2 Eng_CAD\2 Sheets\Sunny Mesa Tank Site Plan And Details.dwg
Fri 23 Jan 26 10:57:37 PM by Joyce Mallory



WATER VALVE

NTS

CONSTRUCTION NOTES

1. REMOVE AND DISPOSE OF EXISTING VAULT AND VALVE. LOCATE SERVICE TIE IN AT MAIN. CLOSE CORPORATION STOP AT MAIN AND ABANDON LATERAL.
2. WATER SERVICE TO TRI-COUNTY LANDSCAPE SUPPLY. SERVICE TO BE REROUTED PER DRAWING C-074 AND C-086.

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

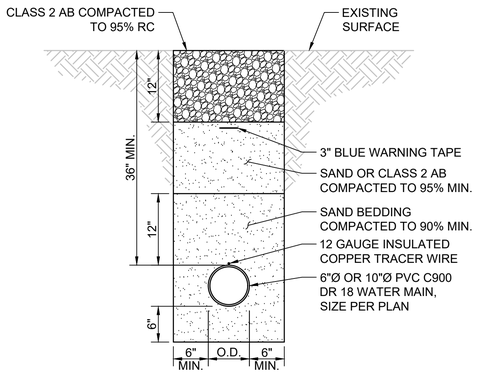
SUNNY MESA WELL SITE METER RELOCATION

PROJECT NUMBER
CWTRC.200476.05

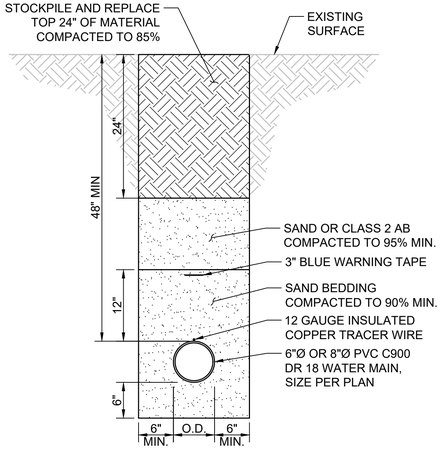
DRAWING NUMBER
C-106

SHEET NUMBER
111 OF **158**

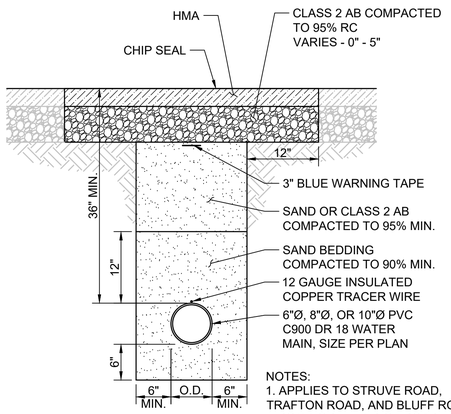
Mon 05-Jan-26 09:58:53 AM by Hope Mallory
C:\Box\Projects\Community Water Center\cwtrc.200476.05 Pajaro Proj\Eng_CAD\ Sheets\Sunny Mesa Wells\Sunny Mesa Wells Demolition Plan.dwg



CASE A:
UNIMPROVED SURFACE

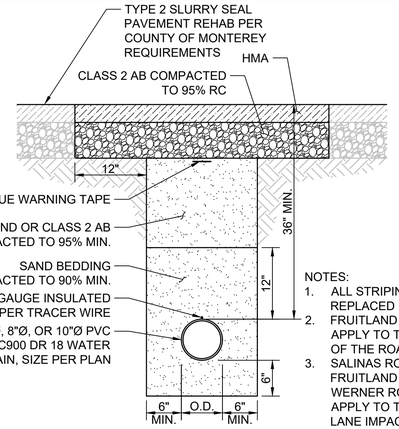


CASE B:
UNIMPROVED SURFACE - AGRICULTURAL FIELD



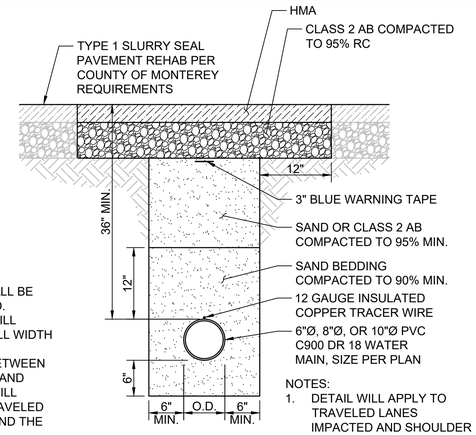
NOTES:
1. APPLIES TO STRUVE ROAD, TRAFTON ROAD, AND BLUFF ROAD (FROM NORTH END OF ROAD TO 600' BEFORE JENSEN ROAD).
2. CHIP SEAL SHALL BE FULL WIDTH OF THE ROAD.
3. ALL STRIPING SHALL BE REPLACED IN KIND.

CASE C:
CHIP SEAL



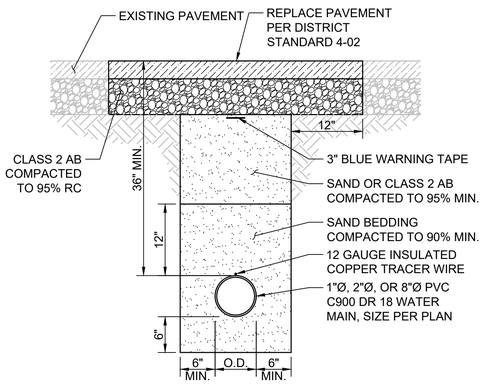
NOTES:
1. ALL STRIPING SHALL BE REPLACED IN KIND.
2. FRUITLAND AVE WILL APPLY TO THE FULL WIDTH OF THE ROAD.
3. SALINAS ROAD, BETWEEN FRUITLAND ROAD AND WERNER ROAD, WILL APPLY TO THE TRAVELED LANE IMPACTED AND THE BIKE LANE.
4. SALINAS ROAD, FROM BAY FARMS ROAD TO CALTRANS ROW, WILL APPLY TO THE SHOULDER.
5. HILLTOP ROAD WILL APPLY TO THE SHOULDER.

CASE D:
TYPE 2 SLURRY

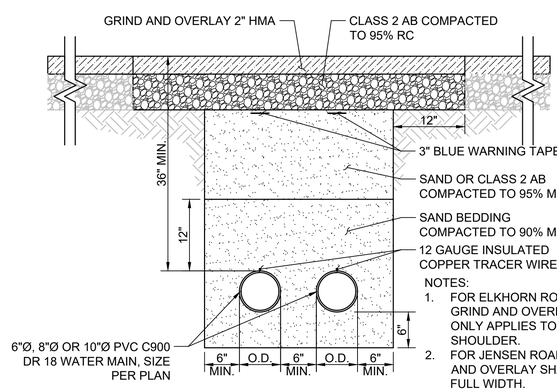


NOTES:
1. DETAIL WILL APPLY TO TRAVELED LANES IMPACTED AND SHOULDER AS NECESSARY.

CASE E:
TYPE 1 SLURRY

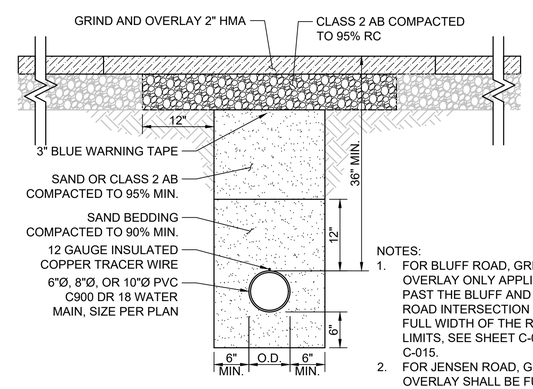


CASE F:
PRIVATE PROPERTY



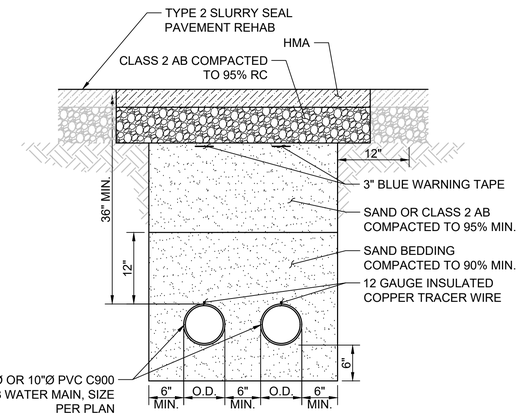
NOTES:
1. FOR ELKHORN ROAD, GRIND AND OVERLAY ONLY APPLIES TO THE SHOULDER.
2. FOR JENSEN ROAD, GRIND AND OVERLAY SHALL BE FULL WIDTH.

CASE G:
DUAL TRENCH PAVED COUNTY ROAD

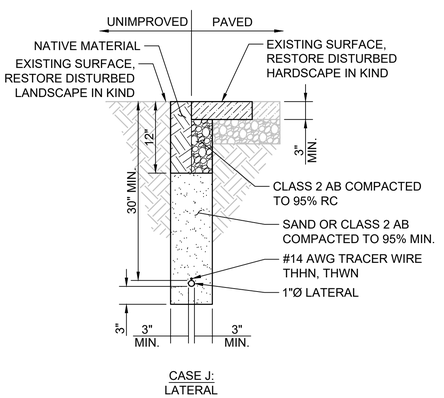


NOTES:
1. FOR BLUFF ROAD, GRIND AND OVERLAY ONLY APPLIES TO 600' PAST THE BLUFF AND JENSEN ROAD INTERSECTION FOR THE FULL WIDTH OF THE ROAD. FOR LIMITS, SEE SHEET C-014 AND C-015.
2. FOR JENSEN ROAD, GRIND AND OVERLAY SHALL BE FULL WIDTH.

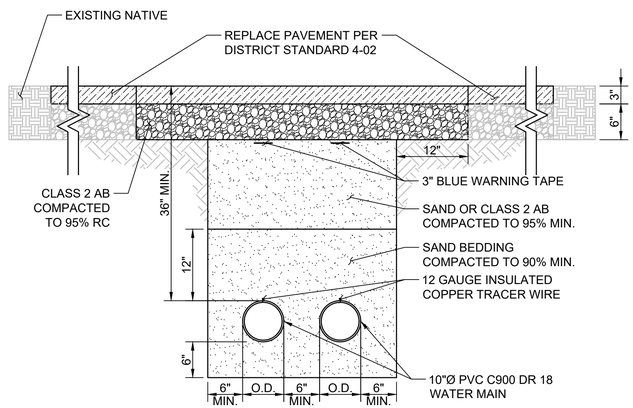
CASE H:
SINGLE TRENCH PAVED COUNTY ROAD



CASE I:
TYPE 2 SLURRY IN SHOULDER



CASE J:
LATERAL



CASE K:
DUAL TRENCH PRIVATE AC ROAD

EXISTING PAVEMENT THICKNESS BY STREET

STREET	AC	AB
STRUVE RD	3"	5"
BLUFF RD	0.5"-5"	0"-3"
JENSEN RD	13"	0"
HILLTOP RD	3"-4"	2"-24"
SALINAS RD	5"-12"	0"-12"

1 **TRENCH DETAIL**
SCALE: 1" = 1'

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

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

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

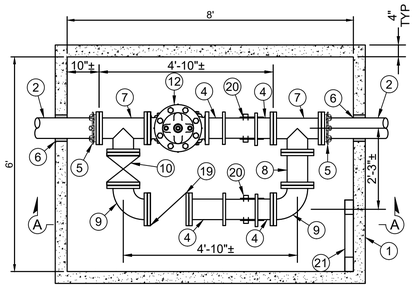
TRENCH DETAILS

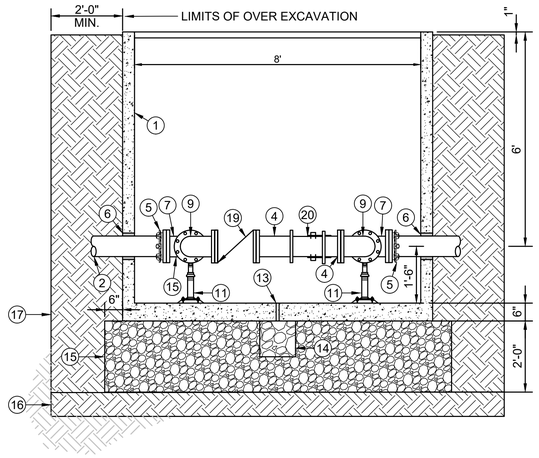
PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-107

SHEET NUMBER
112 OF 158

C:\BoxProjects\pm - Community Water Center\cwtrc.200476.04 Fiona Prog\Eng_CAD\ Sheets\Trench Details.dwg
Fri,Jan,26 03:27:21 PM,by Hope Mabrey

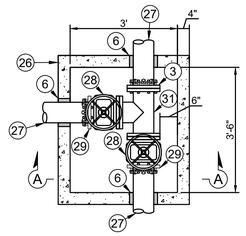


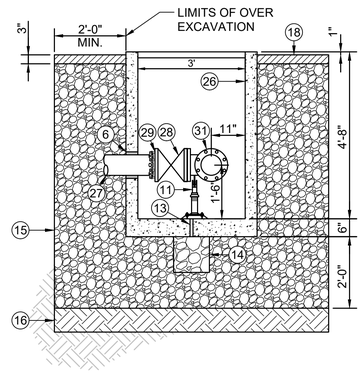


SECTION A-A

1 C-029 **PRESSURE REDUCING VALVE VAULT**

SCALE: 1/2" = 1"

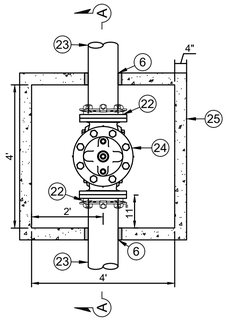


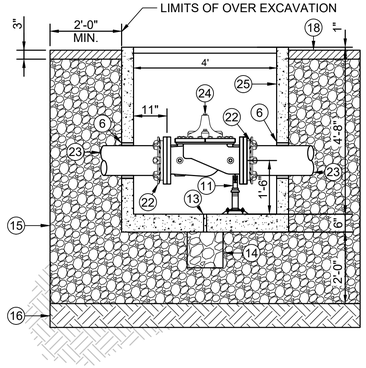


SECTION A-A

2 C-043 **BYPASS VAULT**

SCALE: 1/2" = 1"





SECTION A-A

3 C-097 **TRANSMISSION BOOSTER PUMP STATION BYPASS VALVE VAULT**

SCALE: 1/2" = 1"

VALVE VAULT PARTS LIST

1. 6' X 8' X 7'-6" PRECAST CONCRETE VAULT WITH H-20 TRAFFIC RATED DOUBLE LEAF HATCH
2. 6"Ø PVC C900 DR 18 PIPE
3. 6" RESTRAINED FLANGE COUPLING ADAPTER
4. 6"Ø D.I. PIPE SPOOL (FLG X PE)
5. 6" RESTRAINED FLANGE COUPLING ADAPTER
6. FILL PIPE PENETRATION THROUGH VAULT WALL WITH NON-SHRINK GROUT
7. 6" D.I. TEE (FLG)
8. 6"Ø D.I. PIPE SPOOL (FLG)
9. 6" 90-DEGREE D.I. FITTING (FLG)
10. 6" GATE VALVE (FLG)
11. PIPE SUPPORT PER DETAIL 1, SHEET C-091
12. 6" PRESSURE REDUCING VALVE (FLG)
13. 1"Ø DRAIN HOLE
14. 12" X 12" X 12" DRAIN ROCK WRAPPED IN FILTER FABRIC
15. CLASS 2 AB COMPACTED TO 90% MAX. DENSITY
16. TOP 8" SCARIFIED, MOISTURE CONDITIONED, AND COMPACTED TO 90% MAX. DENSITY
17. BACKFILL WITH NATIVE SOIL TO 90% RELATIVE COMPACTION
18. AC PAVEMENT
19. 6" CHECK VALVE (FLG)
20. 6"Ø DISMANTLING JOINT
21. FIXED LADDER
22. 10" RESTRAINED FLANGE COUPLING ADAPTER
23. 10"Ø PVC C900 DR 18 PIPE
24. 10" PRESSURE REDUCING VALVE (FLG)
25. 4' X 4' X 4'-8" PRECAST CONCRETE VAULT WITH H-20 TRAFFIC RATED DOUBLE LEAF HATCH
26. 3' X 3'-6" X 4'-8" PRECAST CONCRETE VAULT WITH H-20 TRAFFIC RATED DOUBLE LEAF HATCH
27. 8"Ø PVC C900 DR 18 PIPE
28. 8" GATE VALVE (FLG X MJ)
29. 8" MJ RESTRAINT
30. FILL PIPE PENETRATION THROUGH VAULT WALL WITH NON-SHRINK GROUT
31. 8" D.I. TEE (FLG)

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

VALVE VAULT DETAILS

PROJECT NUMBER
CWTRC.200476.05

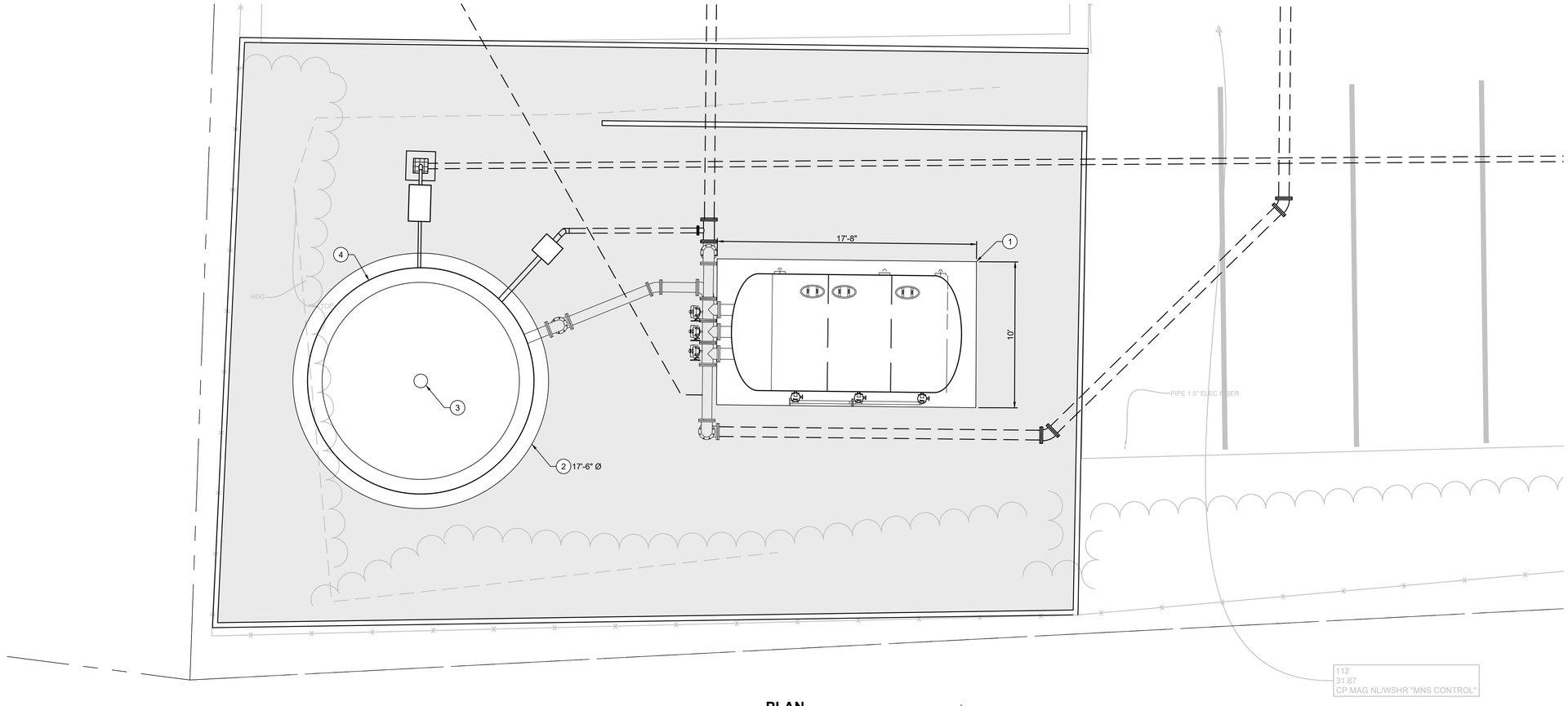
DRAWING NUMBER
C-108

SHEET NUMBER
113 OF 158

C:\Dsn\Projects\mns - Community Water Center\cwtrc.200476.05 Pure Prop\Eng_CAD\2 Sheets\C4\Details.dwg
Tue, 06 Jan 26 12:43:47 PM by Hope Mahony

CONSTRUCTION NOTES

1. INSTALL 10' X 17'-8" Fe / Mn TREATMENT CONCRETE SLAB PER STRUCTURAL SHEETS.
2. INSTALL 17'-6" Ø Fe / Mn BACKWASH TANK CONCRETE SLAB PER STRUCTURAL SHEETS.
3. INSTALL Fe / Mn BACKWASH TANK VENT PER MANUFACTURER.
4. INSTALL BACKWASH TANK ACCESS HATCH PER MANUFACTURER.



PLAN
SCALE: 1" = 4'

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

PAJARO WELL NO. 1 TREATMENT MECHANICAL PLAN

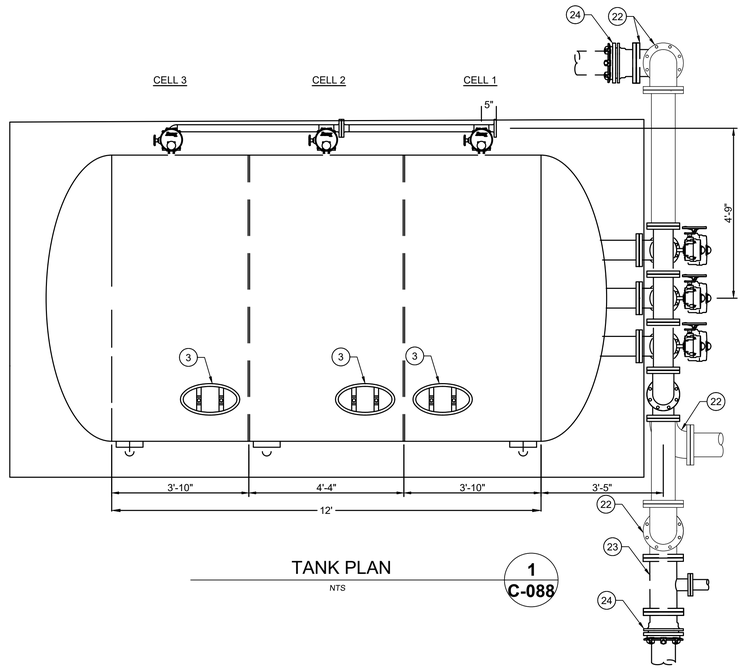
PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
M-201

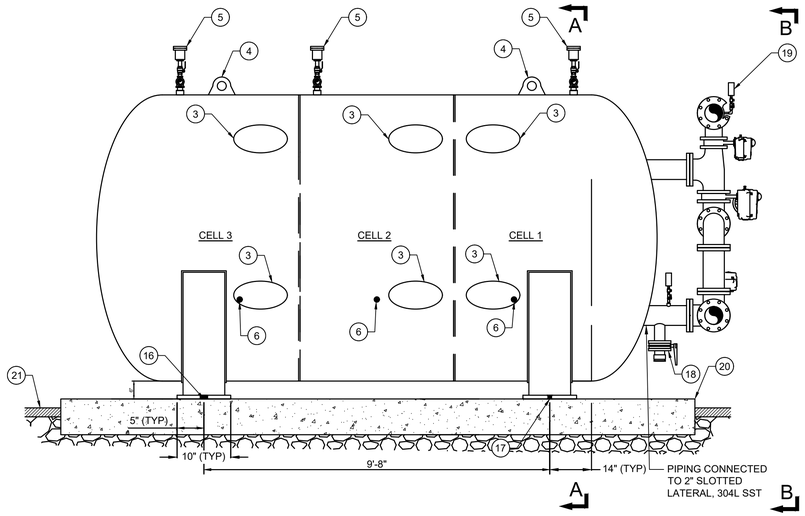
SHEET NUMBER
114 OF 158

© Boyle Properties - Community Water Center\cwtrc.200476.05 Pajaro Proj\Eng_CAD\1 Sheets\Fe&Mn Treatment Mechanical Plan.dwg

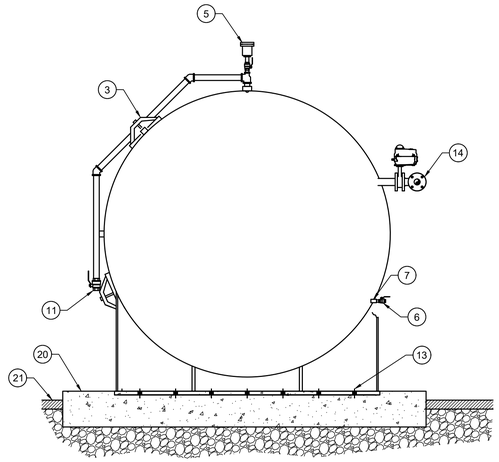
Wed 10 Dec 25 09:47:33 PM by Hope Mahony



TANK PLAN
NTS
1
C-088



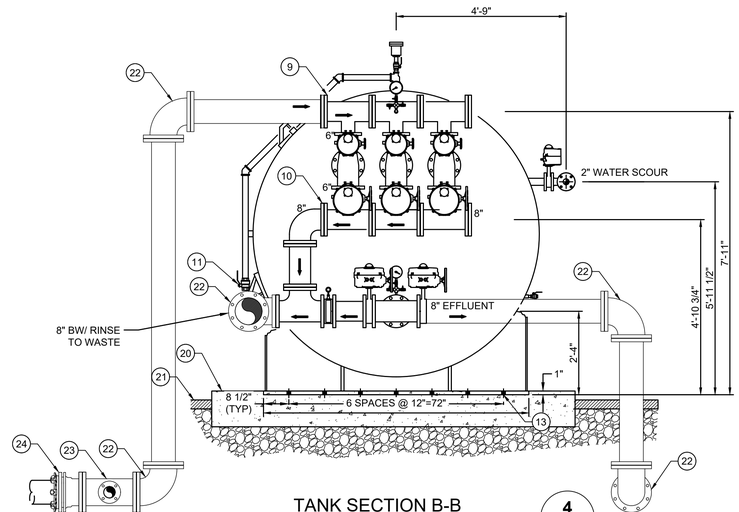
TANK SECTION
NTS
2
C-088



TANK SECTION A-A
NTS
3
C-088

HYDROPNEUMATIC TANK PARTS LIST

1. TANK
2. STEEL TANK SUPPORT
3. 14" X 18" ELLIPTICAL MANWAY (2 PER CELL)
4. LIFTING EYE
5. 1" AIR VENT
6. 1/2" SAMPLE BALL VALVE (1 PER CELL)
7. 1/2" SAMPLE LINE (1 PER CELL)
8. 2" SLOTTED LATERAL, 304L SST
9. 8" INFLUENT PIPING
10. 6" BACKWASH
11. 1"-1/2" BALL VALVE (TYP 3)
12. 8" BW/ RINSE TO WASTE
13. 1-1/4" Ø ANCHOR HOLE TYP 7 THIS SADDLE (OTHER SADDLE SLOTTED)
14. 2" WATER SCOUR
15. 1 1/2" WATER SCOUR LATERAL
16. 1-1/4" X 2 - 1/2" LARGE SLOTTED HOLE
17. 1-1/4" Ø SLOTTED HOLE
18. 3" BFV WITH HAND OPERATOR
19. PRESSURE GAUGE,0-160 PSI 1/4" SAMPLE & GAUGE COCK
20. CONCRETE SLAB PER STRUCTURAL DRAWINGS
21. AC PAVEMENT PER DISTRICT STANDARD 4-02.
22. 8" D.I. 90-DEGREE ELBOW (FLG)
23. 8" X 3" D.I. REDUCING TEE (FLG)
24. 8" FCA WITH MJ RESTRAINT



TANK SECTION B-B
NTS
4
C-088

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

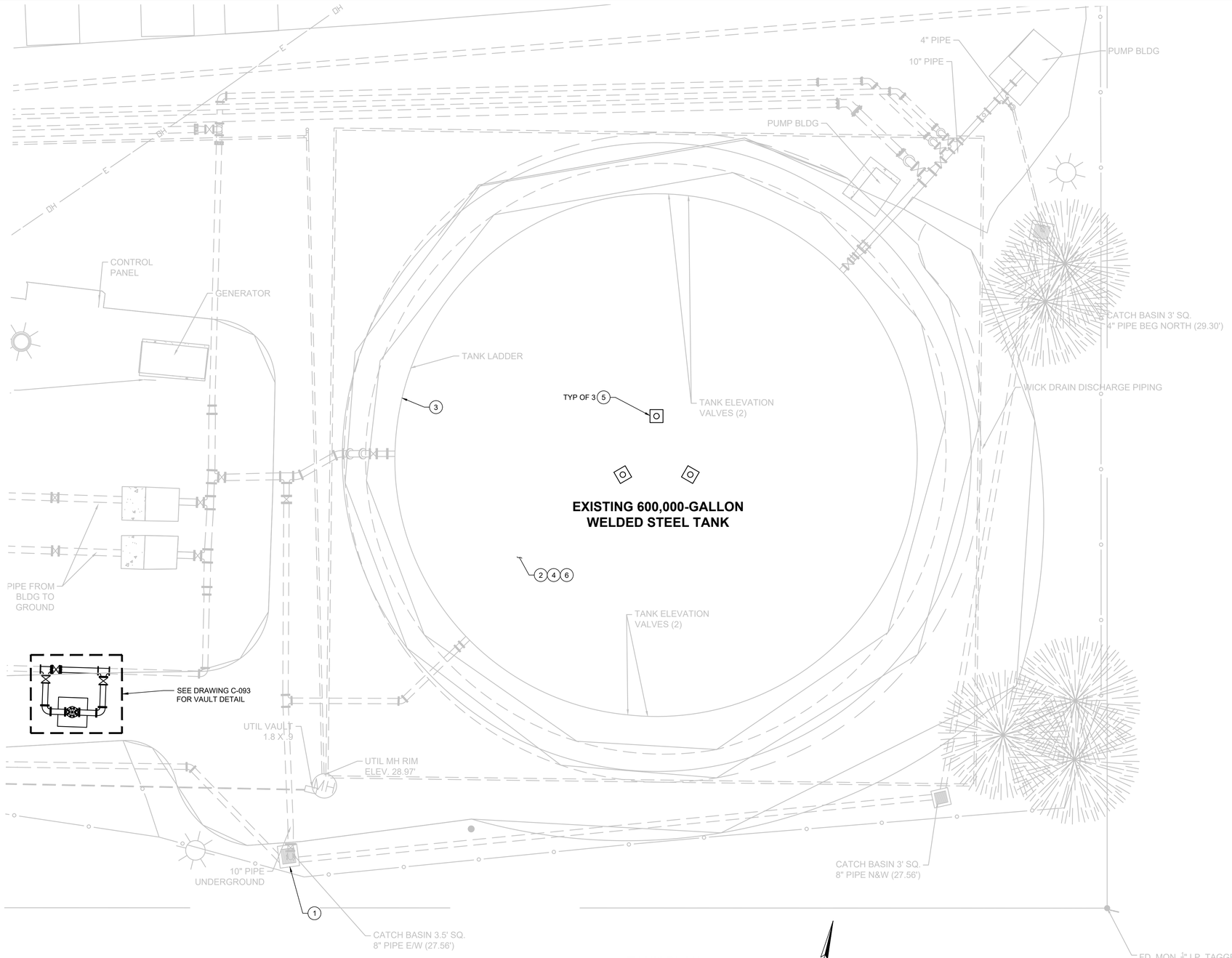
PAJARO WELL NO. 1 TREATMENT MECHANICAL SECTIONS

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
M-202

SHEET NUMBER
115 OF 158

C:\Dev\Projects\Pajaro - Community Water Consolidation\200476.05 Phase Proj\Eng_CAD_Sheets\Mech\ Tx / Treatment Mechanical Sections.dwg
Tue, 06 Jan 26 - 12:53:11 PM by Hope Mallory

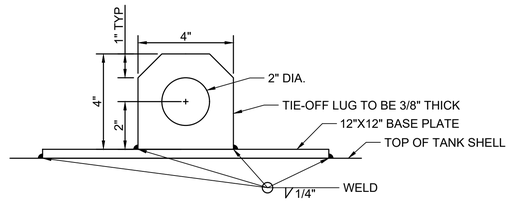


TANK PLAN

SCALE: 1" = 8'

REHABILITATION NOTES

1. SECURE DUAL LAYER WIRE CLOTH METAL MESH SCREEN ON EXISTING WASTE DISCHARGE PIPE, #24 MESH INSECT SCREEN ON INSIDE, 2X2 MESH SCREEN ON OUTSIDE.
2. BLAST, REPAIR, AND COAT INTERIOR AND EXTERIOR TANK SURFACES PER SPECIFICATIONS.
3. FLOAT CABLES AND GUIDELINES ARE NOT PROPERLY ATTACHED. REATTACH OR REPLACE FLOAT CABLES AND GUIDELINES.
4. REPAIR PITTED AREAS ON TANK FLOOR WITH EPOXY WHERE RUST NODULING AND CORROSION ARE HEAVIEST.
5. INSTALL FALL-PROTECTION TIE-OFF ANCHORS PER DETAIL 1, THIS SHEET.
6. REPLACE TANK APPURTENANCES, INCLUDING INTERIOR AND EXTERIOR LADDERS, GAUGE BOARD, AND ACCESS HATCH.



FALL PROTECTION ANCHOR TIE OFF — 1 / M-301

NTS

Know what's below. Call before you dig.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

PAJARO TANK REHABILITATION PLAN

PROJECT NUMBER CWTRC.200476.05
DRAWING NUMBER M-301
SHEET NUMBER 116 OF 158

Wed 10:30a 25 - 10:30:24 PM by Hope Mallory C:\BluePrintroom - Community Water Districts\2024\CLW Prime Proj\Eng_CAD\2 Bases\Tank Rehabilitation Plan.dwg



FLOW METER REPLACEMENT DETAIL
NTS



MESH SCREEN REPLACEMENT DETAIL
NTS

REHABILITATION NOTES

1. REMOVE AND DISPOSE OF EXISTING 10" FLOW METER. INSTALL NEW 10" ELECTROMAGNETIC FLOW METER (FLG). ELECTRICAL IMPROVEMENTS PER ELECTRICAL DRAWINGS.
2. SECURE DUAL LAYER WIRE CLOTH METAL MESH SCREEN, #24 MESH INSECT SCREEN ON INSIDE, 2X2 MESH SCREEN ON OUTSIDE.

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

PAJARO TANK SITE DETAILS

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
M-302

SHEET NUMBER
117 OF 158

© BluePrintSumm - Community Water Construction\200476.05 Pajaro Prop3 Eng_CAD\ Sheet\ Pak Rehabilitation Det06.dwg
Mon 05-Jan-26 22:10:06 PM by Hope Mallory

**** NO INFORMATION PROVIDED FOR 30% DESIGN ****

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

PAJARO TANK REHABILITATION DETAILS

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
M-303

SHEET NUMBER
118 OF **158**

Mon 26 Jan 26 02:10:06 PM by Hope Mahony C:\Bluz\Projects\Pajaro - Community Water Consolidation\200476.05 Pano Prep\02 Eng_CAD\2 Sheets\Pano Miscellaneous Details.dwg

**** NO INFORMATION PROVIDED FOR 30% DESIGN ****

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

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

BOOSTER PUMP STATION MECHANICAL PLAN AND SECTION

PROJECT NUMBER
CWTRC.200476.05

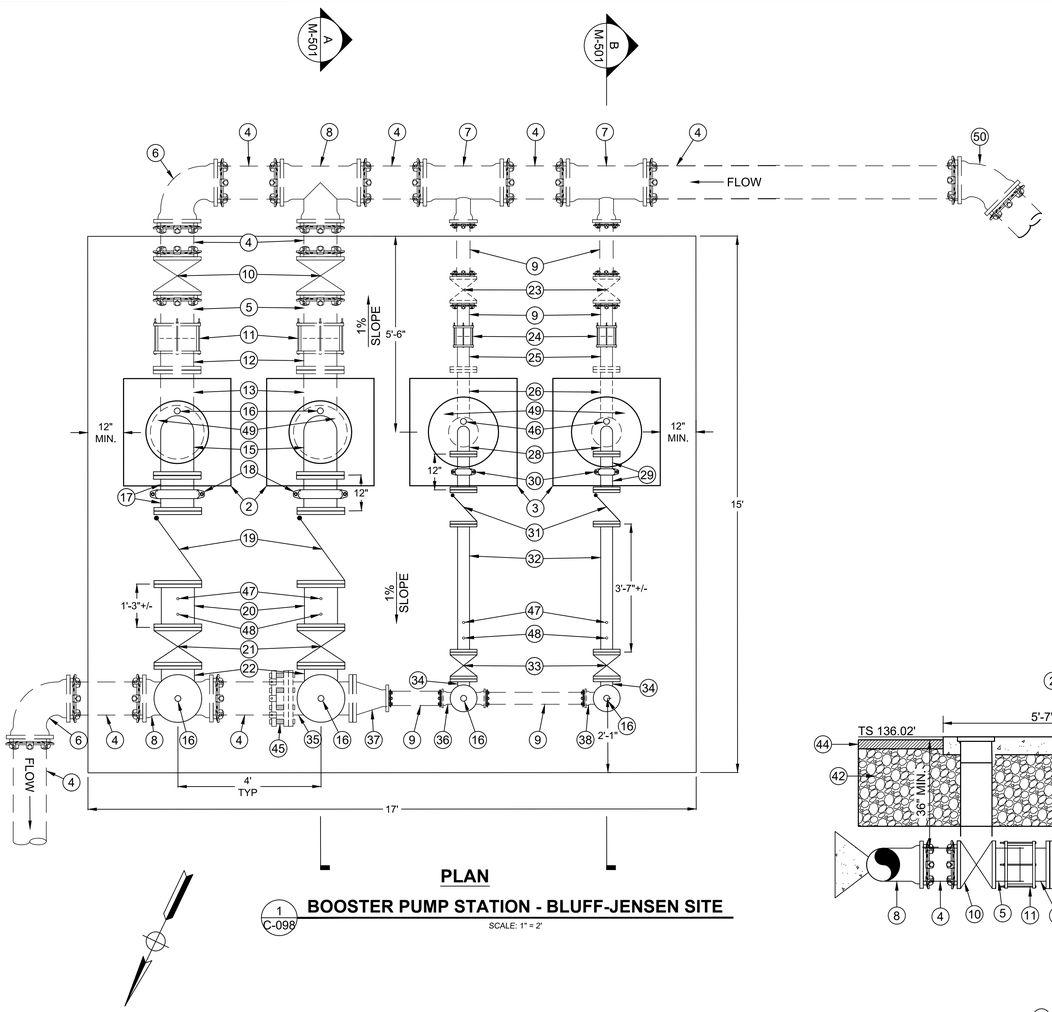
DRAWING NUMBER
M-401

SHEET NUMBER
119 OF **158**

C:\Bun\Projects\mns - Community Water Conservancy\200476.05 Pano Proj\02 Eng_CAD\2 Sheets\Booster Pump Station Mechanical.dwg
Wed 25 Jun 25 03:53:14 PM by Hope Mahony

BOOSTER PUMP STATION PARTS LIST

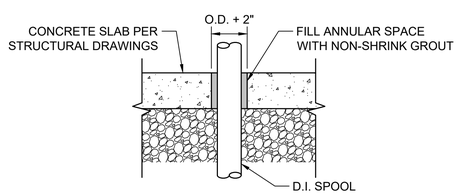
1. CONCRETE SLAB PER STRUCTURAL SHEETS
2. 18" PUMP BARREL SUPPORT PER STRUCTURAL SHEETS
3. 10" PUMP BARREL SUPPORT PER STRUCTURAL SHEETS
4. 10"Ø PVC C900 DR 25 PIPE
5. 10" D.I. PIPE (PE)
6. 10" 90-DEGREE D.I. BEND (MJ) WITH JOINT RESTRAINTS
7. 10" X 4" D.I. TEE (MJ) WITH JOINT RESTRAINTS
8. 10" D.I. TEE (MJ) WITH JOINT RESTRAINTS
9. 4"Ø PVC C900 DR 25 PIPE
10. 10" GATE VALVE (MJ) WITH VALVE BOX PER STANDARD PLAN NO. 3-07.02 CAST INTO SLAB
11. 10" RESTRAINED COUPLING
12. 10" D.I. PIPE (PE X FLG)
13. 18" PUMP BARREL WITH 8" FLANGED INLET
14. SUBMERSIBLE CANNED VERTICAL TURBINE HIGH FLOW PUMP, 1100 GPM, 30 HP
15. 10" PUMP DISCHARGE HEAD (FLG)
16. 1" AIR/VACUUM RELEASE VALVE
17. 10"Ø D.I. SPOOL (FLG X GRV)
18. 10" GROOVED END COUPLING
19. 10" CHECK VALVE (FLG)
20. 10"Ø D.I. SPOOL (FLG)
21. 10" GATE VALVE (FLG) WITH SIDE MOUNT HAND WHEEL OPERATOR
22. 10" D.I. TEE (FLG)
23. 4" GATE VALVE (MJ) WITH VALVE BOX PER STANDARD PLAN NO. 3-07.02
24. 4" RESTRAINED COUPLING
25. 4" D.I. PIPE (PE X FLG)
26. 10" PUMP BARREL WITH 4" FLANGED INLET
27. SUBMERSIBLE CANNED VERTICAL TURBINE DUTY PUMP, 200 GPM, 7.5 HP
28. 4" PUMP DISCHARGE HEAD (FLG)
29. 4"Ø D.I. SPOOL (FLG X GRV)
30. 4" GROOVED END COUPLING
31. 4" CHECK VALVE (FLG)
32. 4"Ø D.I. SPOOL (FLG)
33. 4" GATE VALVE (FLG) WITH SIDE MOUNT HAND WHEEL OPERATOR
34. 4" D.I. TEE (FLG)
35. 10" X 4" D.I. TEE (FLG) WITH JOINT RESTRAINTS
36. 4" D.I. TEE (MJ) WITH JOINT RESTRAINTS
37. 10" X 4" D.I. CONCENTRIC REDUCER (FLG X MJ) WITH JOINT RESTRAINTS
38. 4" D.I. 90-DEGREE BEND (FLG X MJ) WITH JOINT RESTRAINT
39. 4" D.I. BLIND FLANGE
40. CONCRETE SLAB PENETRATION PER DETAIL 2, THIS SHEET
41. PIPE SUPPORT PER DETAIL 2, DRAWING C-104
42. CLASS 2 AGGREGATE BASE COMPACTED TO 95% RC
43. 4" D.I. TEE (FLG X MJ) WITH JOINT RESTRAINT
44. AC PAVEMENT PER DISTRICT STANDARD 4-02
45. 10" FLANGE COUPLING ADAPTER
46. 3/4" AIR/VACUUM RELEASE VALVE
47. PRESSURE GAUGE
48. 1/4" FLOW SWITCH AND 1/4" BALL VALVE
49. LIQUID TIGHT CONDUIT SEAL FOR PUMP WIRE APPLIED TO BOTH TOP AND BOTTOM OF FLANGE
50. 10" 45-DEGREE D.I. BEND (MJ) WITH JOINT RESTRAINTS



PLAN

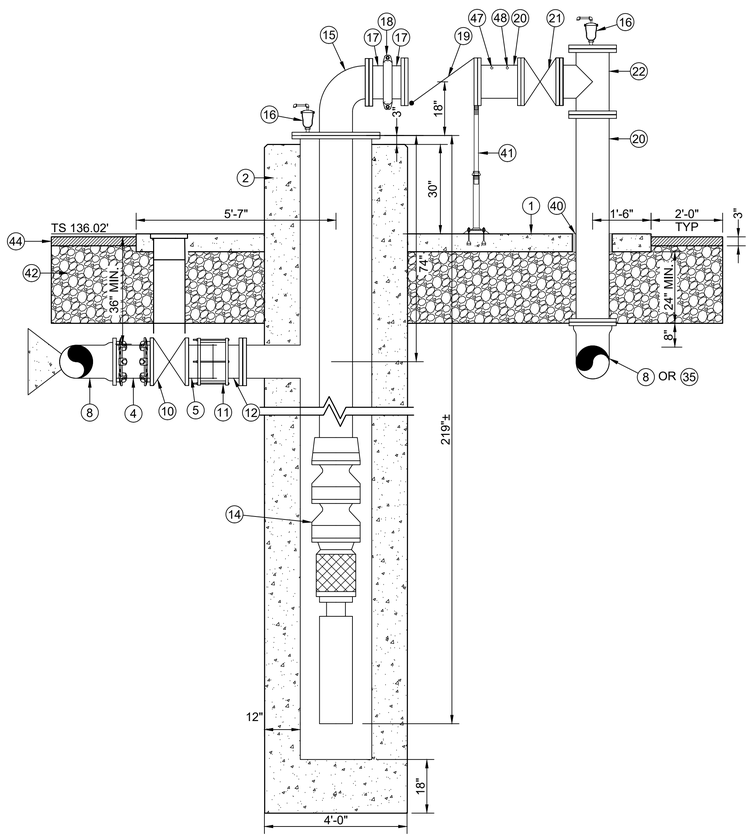
1 C-098 **BOOSTER PUMP STATION - BLUFF-JENSEN SITE**

SCALE: 1" = 2'



2 M-501 **SLAB PENETRATION DETAIL**

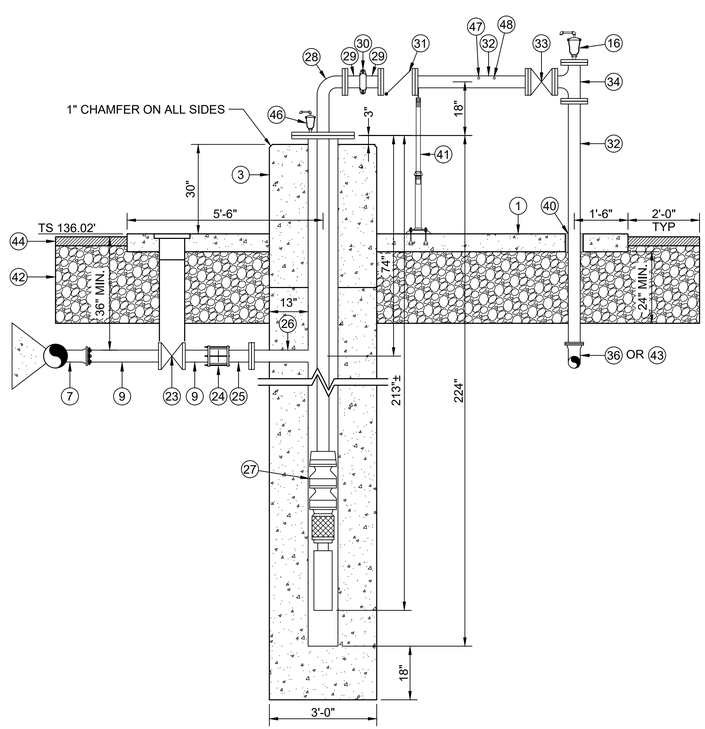
NTS



SECTION A - A

A M-501 **BOOSTER PUMP STATION - BLUFF-JENSEN SITE**

SCALE: 1" = 2'



SECTION B - B

B M-501 **BOOSTER PUMP STATION - BLUFF-JENSEN SITE**

SCALE: 1" = 2'

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

Know what's below. Call before you dig.

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

BLUFF-JENSEN PUMP STATION PLAN AND SECTIONS

PROJECT NUMBER CWTRC.200476.05
DRAWING NUMBER M-501
SHEET NUMBER 120 OF 158

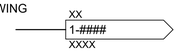
Tue 26 Jan 26 12:02:33 PM by Yesid Mallorg C:\Bluff\Projects - Community Water Consortium\200476.05 Pismo Proj\3 Eng_CADD Sheets\Bluff-Jutkowski Pump Station Plan.dwg

LINE SYMBOLS

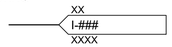
- PROCESS LINE
- CAPILLARY TUBE
- ELECTROMAGNETIC SIGNAL (GUIDED)
- ELECTROMAGNETIC SIGNAL (UNGUIDED)
- HYDRAULIC SIGNAL
- INTERNAL SYSTEM LINK (SOFTWARE OR DATA)
- MECHANICAL LINK
- PNEUMATIC SIGNAL
- SIGNAL LINE
- UNDEFINED SIGNAL

INTERFACE IDENTIFICATION

TO DRAWING



FROM DRAWING



- XX-### — EQUIPMENT TAG
- INTERFACE EXTERNAL TO P&ID'S
- NOT USED — NOT USED
- 4 | 3 — PIPING CLASS BREAK

PIPE SERVICE ABBREVIATIONS

D	DRAIN
NaOCl	SODIUM HYPOCHLORITE
RW	RAW WATER
SAM	SAMPLE
TW	TREATED WATER

PROCESS PIPE CONNECTIONS

- PIPES CROSS EACH OTHER, DO NOT CONNECT
- PIPES CONNECT

ABBREVIATIONS

AC	ANALOG COMMAND
ADJ	ADJUSTABLE
ADM	ADMITTANCE TYPE LEVEL
AE	ANALYTICAL ELEMENT
AI	ANALOG INPUT
AIT	ANALYTICAL INDICATING TRANSMITTER
ARV	AIR RELEASE AND VACUUM VALVE
AO	ANALOG OUTPUT
CKT	CIRCUIT
CP	CONTROL PANEL
CTR	CONTROLLER
CV	CONTROL VALVE
D	DRAIN
DC	DIGITAL COMMAND
DCS	DISTRIBUTED CONTROL SYSTEM
DCU	DISTRIBUTED CONTROL UNIT PANEL
DI	DISCRETE INPUT
DO	DISCRETE OUTPUT
(E)	EXISTING
EL	ELEVATION
ES	ELECTRICAL SUPPLY
ESD	EMERGENCY SHUT DOWN
E	EXISTING
EXT	EXTERNAL
FACP	FIRE ALARM CONTROL PANEL
FCP	FIELD CONTROL PANEL
FOS	FUEL OIL SUPPLY
FOR	FUEL OIL RETURN
FTC	FAIL TO CLOSE
FTO	FAIL TO OPEN
FTS	FAIL TO START
FS	FLOW SWITCH
FWD	FORWARD
GV	GATE VALVE
HMI	HUMAN MACHINE INTERFACE
HS	HAND SWITCH
HT	HYDROPNEUMATIC TANK
INT	INTERNAL
IR	INTERPOSING RELAY SIGNAL
IS	INTRINSICALLY SAFE
IS RELAY	INTRINSICALLY SAFE RELAY
ISO	ISOLATOR
MCC	MOTOR CONTROL CENTER
MTR	MOTOR
MX	MIXER
N	NEW
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OL	OVERLOAD
PDTO	PUSH DOWN TO OPEN
PE	PRESSURE ELEMENT
PNL	PANEL
PLC	PROGRAMMABLE LOGIC CONTROLLER
P/S	POWER SUPPLY REMOTE
REV	REVERSE
RHS	RIGHT HAND SIDE
RTM	RUN-TIME METER
R I/O	REMOTE I/O PANEL
RW	RAW WATER
S	SAMPLE
SAM	SAMPLE LINE
S/D	SHUT DOWN
S/S	START/STOP
SIL	SILENCE
SP	SET POINT
ST	START
SV	SOLENOID VALVE
STP	STOP
SW	SWITCH
TC	TERMINATION CABINET
TSH	TEMPERATURE SWITCH HIGH
TU	TURBIDITY
TYP	TYPICAL
TW	TREATED WATER
UPS	UNINTERRUPTIBLE POWER SUPPLY
VFD	VARIABLE FREQUENCY DRIVE
V/AC	VOLTS ALTERNATING CURRENT

VALVE & GATE SYMBOLS

OPEN CLOSED

- VALVE: 3-WAY
- VALVE: 4-WAY
- VALVE: ANGLE
- VALVE: BALANCING
- VALVE: BALL
- VALVE: BALL-CHECK
- VALVE: BUTTERFLY
- VALVE: CHECK
- VALVE: CHECK W/ SPRING
- VALVE: DIAPHRAGM
- VALVE: GATE
- VALVE: GLOBE
- VALVE: KNIFE
- VALVE: NEEDLE
- VALVE: PLUG
- VALVE: PUMP DISCHARGE
- VALVE: ROTARY
- VALVE: RESTRICTION ORIFICE
- VALVE: SAFETY
- VALVE: VACUUM RELIEF
- VALVE: PRESSURE REDUCING REGULATOR (SELF-CONTAINED)
- VALVE: BACK PRESSURE REGULATOR W/ EXTERNAL TAP
- VALVE: DIFFERENTIAL-PRESSURE REDUCING REGULATOR W/ INTERNAL AND EXTERNAL TAPS
- SLIDE GATE/SLUICE GATE
- AIR RELEASE VALVE

PROCESS LINE SYMBOLS

- CAP: SCREWED
- CAP: PIPE
- DOUBLE BASKET STRAINER
- DRAIN
- FLANGED CONNECTION
- FLEX CONNECTION
- FLEX CONNECTION (RUBBER)
- FLOW DIRECTION
- FLOW STRAIGHTENING VANE
- FLUME
- HOSE CONNECTION
- IN-LINE FILTER
- FM — METER: MAGNETIC FLOW
- P — METER: PROPELLER
- SN — METER: SONIC
- TH — METER: THERMAL
- T — METER: TURBINE
- ORIFICE PLATE
- PIPE (CONTINUES)
- PITOT TUBE
- PITOT TUBE (AVERAGING)
- REDUCER
- SIGHT GLASS
- STRAINER W/ VALVE
- VENTURI TUBE
- WEIR
- Y-VALVE

MISC P&ID SYMBOLS

- AIR INTAKE FILTER
- AP — AIR PURGE SET
- ALARM
- ALARM VALVE
- B — BUBBLER ASSEMBLY
- BUBBLE GAUGE
- CALIBRATION COLUMN
- CHEMICAL SEAL - DIAPHRAGM
- COMPRESSED AIR
- DUCTED AIR FLOW
- ES — FIELD DEVICE ELECTRICAL
- IA — FIELD DEVICE INSTRUMENT AIR
- FLOAT TYPE LEVEL SWITCH
- LEVEL PROBE(S)
- L — LUBRICATOR
- G — PILOT LIGHT (GREEN)
- R — PILOT LIGHT (RED)
- PD — PULSE DAMPER SUPPLY
- ROTAMETER
- ULTRASONIC LEVEL TRANSDUCER
- S — SAMPLE POINT
- SPRINKLER ALARM
- THERMOSTATIC VENT

INSTRUMENT 0R FUNCTION SYMBOLS

GENERAL INSTRUMENT OR FUNCTION SYMBOL	FIELD MOUNTED	PRIMARY LOCATION ACCESSIBLE TO OPERATOR	AUXILIARY LOCATION ACCESSIBLE TO OPERATOR (PANEL, VFD/MCC MOUNTED)	NORMALLY INACCESSIBLE OR BEHIND THE PANEL
LIGHT	X1 ABC 1234 X2	X1 ABC 1234 X2	X1 ABC 1234 X2	
DISCRETE INSTRUMENTS	X1 ABC 1234 X2	X1 ABC 1234 X2	X1 ABC 1234 X2	X1 ABC 1234 X2
DCS/PLC/HMI CONTROL OR DISPLAY	X1 ABC 1234 X2			

HAND SWITCH/CONTROL SWITCH, POSITION LABELS:

MAINTAINED CONTACTS

A/M	AUTO/MANUAL
E/S	EMERCENCY STOP
HA	HAND-AUTO
HOA	HAND-OFF-AUTO
L/L	LEAD/LAG
L/O/R	LOCAL OFF REMOTE
LOS	LOCKOUT STOP
O/C	OPEN/CLOSE
O/S/C	OPEN/STOP/CLOSE
O/O	ON/OFF
R/F	REVERSE / FORWARD

MOMENTARY CONTACTS

S/S	START-STOP
RST	RESET

HYBRID

SLOS	START-LOCKOUT STOP

- 1 — INTERLOCK LOGIC (HARDWARE)
- I — INTERLOCK LOGIC (SOFTWARE)

INSTRUMENT IDENTIFICATION

	FIRST-LETTER		SUCCEEDING-LETTERS		
	MEASURED OR INITIATING VARIABLE	MODIFIER	READOUT OR PASSIVE FUNCTION	OUTPUT FUNCTION	MODIFIER
A	ANALYSIS/ANALOG		ALARM		
B	BURNER, COMBUSTION SMOKE		USER'S CHOICE	USER'S CHOICE	USER'S CHOICE
C	CONTROL			COMMAND/ CONTROLLER	CLOSED
D	DENSITY/DIGITAL	DIFFERENTIAL			
E	VOLTAGE		SENSOR (PRIM ELEMENT)		
F	FLOW RATE	RATIO (FRACTION)			
G	USER'S CHOICE		GLASS, VIEWING DEVICE		
H	HAND				HIGH
I	CURRENT (ELEC)		INDICATE		
J	POWER	SCAN			
K	TIME, TIME SCHEDULE	TIME RATE OF CHANGE		CONTROL STATION	
L	LEVEL		LIGHT		LOW
M	USER'S CHOICE	MOMENTARY			MIDDLE
N	USER'S CHOICE		USER'S CHOICE	USER'S CHOICE	USER'S CHOICE
O	USER'S CHOICE		ORIFICE, RESTRICTION		OPEN
P	PRESSURE, VACUUM		POINT (TEST) CONNECTION		
Q	QUANTITY	INTEGRATE, TOTALIZE			
R	RADIATION/RATIO		RECORD		
S	SPEED, FREQUENCY	SAFETY		SWITCH	
T	TEMPERATURE			TRANSMIT	
U	MULTIVARIABLE (COMMON)		MULTIFUNCTION	MULTIFUNCTION	MULTIFUNCTION
V	VIBRATION, MECH ANALYSIS			VALVE, DAMPER LOUVER	
W	WEIGHT, FORCE		WELL		
X	UNCLASSIFIED	X AXIS	UNCLASSIFIED	UNCLASSIFIED	UNCLASSIFIED
Y	EVENT, STATE OR PRESENCE	Y AXIS		RELAY, COMPUTE, CONVERT	
Z	POSITION, DIMENSION	Z AXIS		DRIVER, ACTUATOR, UNCLASS. FINAL CONTROL ELEMENT	

VALVE AND GATE ACTUATOR SYMBOLS

- DIAPHRAGM
- DIAPHRAGM (PRESSURE BALANCED)
- M — ELECTRIC MOTOR OPERATOR
- E/H — ELECTROHYDRAULIC ACTUATOR
- HANDWHEEL
- PISTON ACTUATOR
- P — PNEUMATIC ACTUATOR
- P — PURGE OR FLUSHING DEVICE
- R — REST FOR LATCH-TYPE ACTUATOR
- S — SOLENOID
- SPRING/PRESSURE RELIEF

ELECTRICAL CONNECTIONS

- CONNECTED
- NOT CONNECTED
- DISCRETE INPUT
- ANALOG INPUT
- DISCRETE OUTPUT
- ANALOG OUTPUT

NOTES

1. THIS IS A GENERALIZED LEGEND SHEET. THIS CONTRACT MAY NOT USE ALL INFORMATION SHOWN
2. INFORMATION SHOWN MAY NOT BE ALL INCLUSIVE. SEE ISA S5.1, S5.2, AND S7.3
3. DIMENSIONS IN P&ID ARE FOR REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
4. INSTRUMENTS MARKED WITH AN ASTERISK (*) ARE EXISTING AND WITH DOUBLE ASTERISKS (**) ARE SUPPLIED BY CITY/AGENCY/DISTRCT.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER — NICHOLAS E. PANOFSKY — C75006 Exp. 12-31-2027 — CIVIL — STATE OF CALIFORNIA

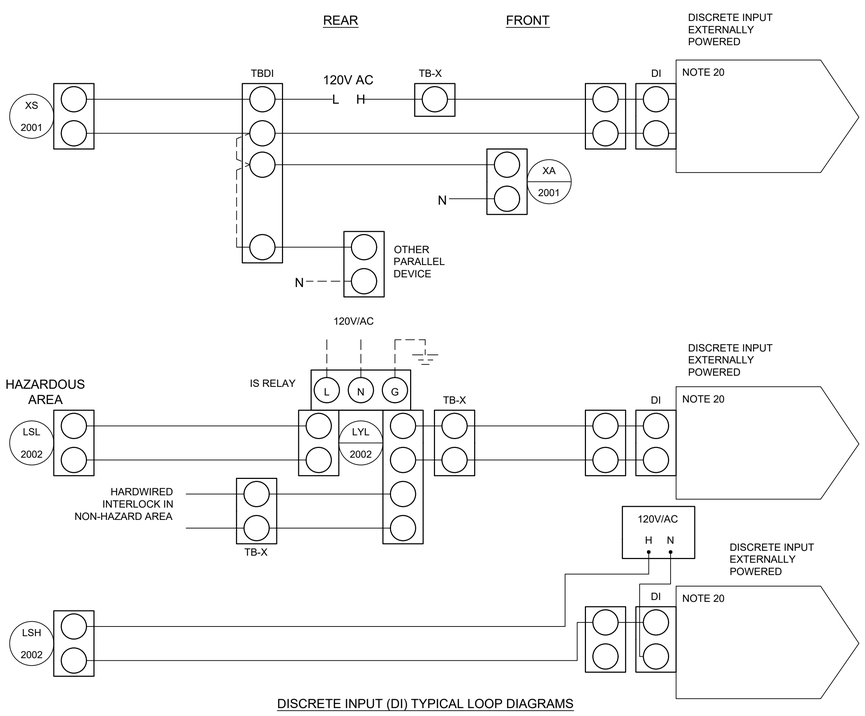
0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

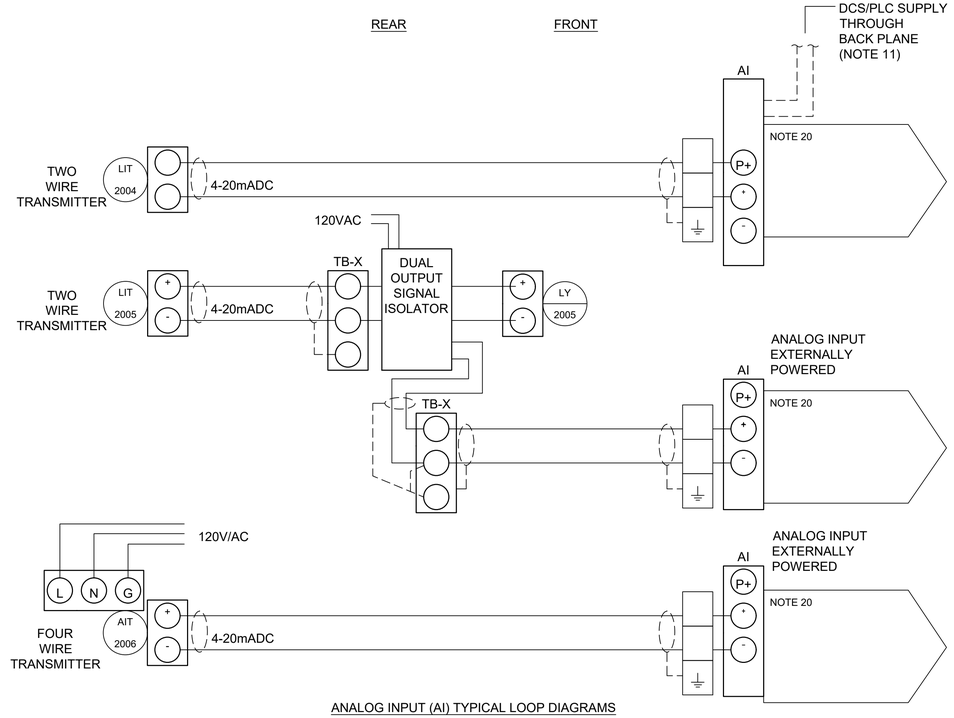
SYMBOLS AND LEGEND - PROCESS & INSTRUMENTATION DIAGRAM

PROJECT NUMBER: CWTRC.200476.05
DRAWING NUMBER: I-001
SHEET NUMBER: 121 OF 158

C:\Bun\Projects\Active - Community Water Consortium\200476.05 Pano Proj\Dwg_CADD Sheets\Unrefined Legend - Piping & Instrumentation Diagram.dwg
Fri, 13 Dec 25 09:55:04 AM By: Paige Mahony



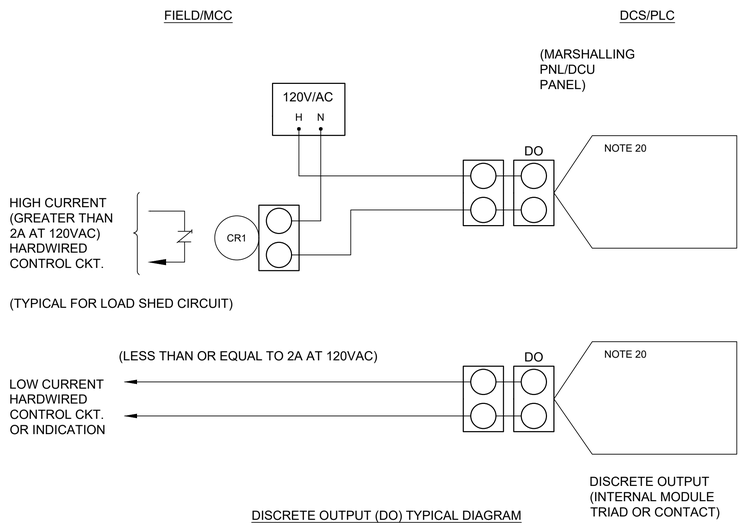
DISCRETE INPUT (DI) TYPICAL LOOP DIAGRAMS



ANALOG INPUT (AI) TYPICAL LOOP DIAGRAMS

NOTES

1. THE CONTRACTOR SHALL PRODUCE AND SUBMIT FOR REVIEW "APPLICATION SPECIFIC LOOP DIAGRAMS" BASED ON THIS TYPICAL AND IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND ISA-S5.4 STANDARD. SUCH DIAGRAMS SHALL BE FULLY DETAILED INCLUDING LOCATIONS; AND SHALL INCLUDE INSTRUMENT, EQUIPMENT, TERMINAL AND CABLE NUMBERS AND LOOP NUMBERS AS SHOWN ON THE P&ID DIAGRAMS.
2. LOOPS WITH ASSOCIATED INPUTS AND OUTPUTS SHALL BE DRAWN COMPOSITELY. LOOP CONTINUITY SHALL BE DEPICTED SCHEMATICALLY. USING P&ID SYMBOLOGY (PRIMARY) & ISA SYMBOLOGY (SUPPLEMENTARY).
3. THESE TYPICAL LOOP DIAGRAMS INDICATE REQUIRED METHODS OF ELECTRICAL CONFIGURATION.
4. DISCRETE CONTROL CIRCUITS SHALL BE CONFIGURED TO FAIL SAFE, i.e. ON LOSS OF CONTINUITY OR LOSS OF POWER. ALARM CONTRACTS SHALL FAIL TO THE ALARM CONDITION WHICH SHALL BE OPENED. CONTROL CONTACTS SHALL FAIL TO THE INOPERATIVE CONDITION UNLESS OTHERWISE SHOWN ON THE PLANS.
5. SIGNAL TRANSMISSION BETWEEN ELECTRONIC (OR ELECTRICAL) INSTRUMENTS NOT LOCATED WITHIN A COMMON PANEL SHALL BE 4 TO 20MA AND OPERATE AT 24VDC UNLESS OTHERWISE SPECIFIED OR SHOWN ON THE PLANS.
6. MEASUREMENT LOOPS AND SHIELDS SHALL BE SINGLE POINT GROUNDED AT THE SOURCE PANEL BY BONDING TO THE INSTRUMENT PANEL SIGNAL GROUND BUS.
7. POWER TO INSTRUMENTS AND INSTRUMENT LOOPS SHALL BE FROM SOURCES PROVIDING THE HIGHEST INTEGRITY; E.G. FROM THE LOOP PRIMARY RECEIVING INSTRUMENT/MODULE, OR PROM A UPS WHEN SO SPECIFIED. A LOOP SHALL NOT BE DEPENDENT ON A DIVERSITY OF POWER SOURCES, UNLESS OTHERWISE SHOWN ON THE PLANS.
8. VOLTAGE LEVELS OF DISCRETE I/O TO/FROM A DCS/PLC SHALL CONFORM WITH THE SEGREGATION OF VOLTAGES AND SCHEMATIC DIAGRAMS SHOWN ON THE ELECTRICAL PLANS.
9. SIGNAL ISOLATORS SHALL BE PROVIDED AT THE LOCAL PANEL FOR FIELD DEVICES POSSESSING A GROUNDED INPUT OR OUTPUT.
10. ALL ANALOG INPUT & OUTPUT SIGNALS SHALL BE ISOLATED TYPE. ISOLATORS CAN BE ADDED FOR THIS PURPOSE IF NECESSARY.
11. REFER TO SPECIFICATION FOR THE TYPE OF I/O MODULES TO BE USED IN THE DCS/PLC SYSTEM.
12. PREFABRICATED CONNECTOR WITH CABLE SHALL BE USED FOR CONNECTION BETWEEN MARSHALLING PANEL & DCU/PLC PANEL. MARSHALLING PANEL IS THE TERMINATION PANEL FOR FIELD INPUT WIRES & DCU/PLC OUTPUT WIRES. DCU/PLC PANEL IS THE PANEL WHERE DCS/PLC MODULES ARE MOUNTED IN RACK(S). SEE MANUFACTURER'S MANUAL FOR DETAILS TO BE USED IN SHOP DRAWINGS.
13. PROVIDE MAXIMUM ONE LOOP ON ONE DRAWING. DO NOT SHOW MORE THAN ONE LOOP ON ONE DRAWING. USE LOOP NUMBER AS THE DRAWING NUMBER. LIT 2007 & LV 2007 SHALL BE SHOWN ON ONE DRAWING BECAUSE IT IS A CLOSED LOOP.
17. WIRE MARKERS SHALL BE LABELED ACCORDING TO CLIENT STANDARD. IF STANDARD IS NOT PROVIDED, SEE SPECIFICATION 26 AND SPECIFICATION 409000 INSTRUMENTATION AND CONTROL FOR PROCESS SYSTEMS FOR GUIDELINE.
18. SIGNAL ISOLATORS SHALL BE WIRED INTO A SERIAL LOOP. (NEVER IN PARALLEL FORMAT) TO HAVE A 4-20 mADC SIGNAL THROUGHOUT THE ENTIRE LOOP.
19. ALL MANUFACTURER'S NAME, MODEL NUMBER, ENGINEERING RANGE, AND CALIBRATED RANGE SHALL BE FILLED IN FOR EACH POINT ON THE LOOP.
20. ALL PERTINENT POINT LOCATION, E.G. RACK, SLOT, AND CHANNEL NUMBER, SHALL BE FILLED IN FOR EACH DCS/PLC POINT.

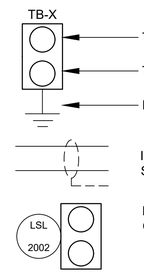


DISCRETE OUTPUT (DO) TYPICAL DIAGRAM



ANALOG OUTPUT (AO) TYPICAL CONTROL LOOP DIAGRAMS

LEGEND



DCS	DISTRIBUTED CONTROL SYSTEM
IS	INTRINSICALLY SAFE
IS RELAY	INTRINSICALLY SAFE RELAY
MCC	MOTOR CONTROL CENTER
PLC	PROGRAMMABLE LOGIC CONTROLLER
UPS	UNINTERRUPTIBLE POWER SUPPLY

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

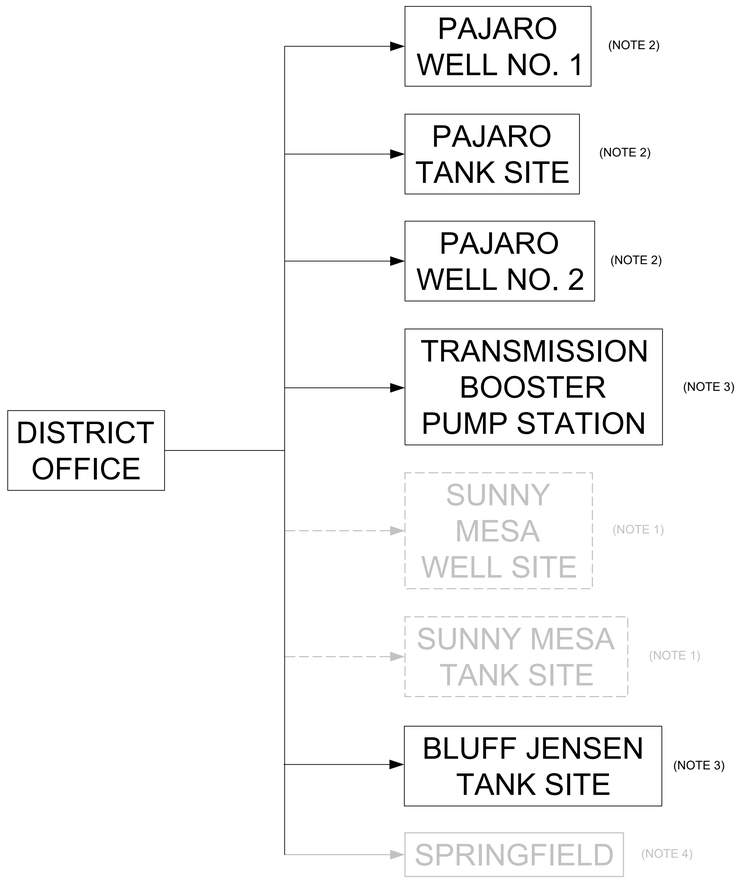
LOOP DIAGRAMS - PROCESS & INSTRUMENTATION DIAGRAM

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
I-002

SHEET NUMBER
122 OF 158

Tue 06 Jan 26 02:55:17 PM by Hoop Mallory C:\Box\Projects\Work - Community Water Consortium_2024\5.28 Plans Prep\Eng_CAD\2 Sheets\Loop Diagrams.dwg



NOTES:

1. EXISTING RADIO COMMUNICATION.
2. INSTALL NEW RADIO COMMUNICATION.
3. REFER TO FINAL TM DATED 04-08-2025 FOR DISTRICT PREFERRED COMMUNICATION PROTOCOL.
4. EXISTING CELLULAR COMMUNICATION.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

ALBERT WONG
CONTROLS ENGINEER
C.S. 7368 EXP. 6/30/2025

DATE

REGISTERED PROFESSIONAL ENGINEER ALBERT WONG CS7368 Exp. 06-30-2027 CONTROL SYSTEM STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

NETWORK COMMUNICATION DIAGRAM

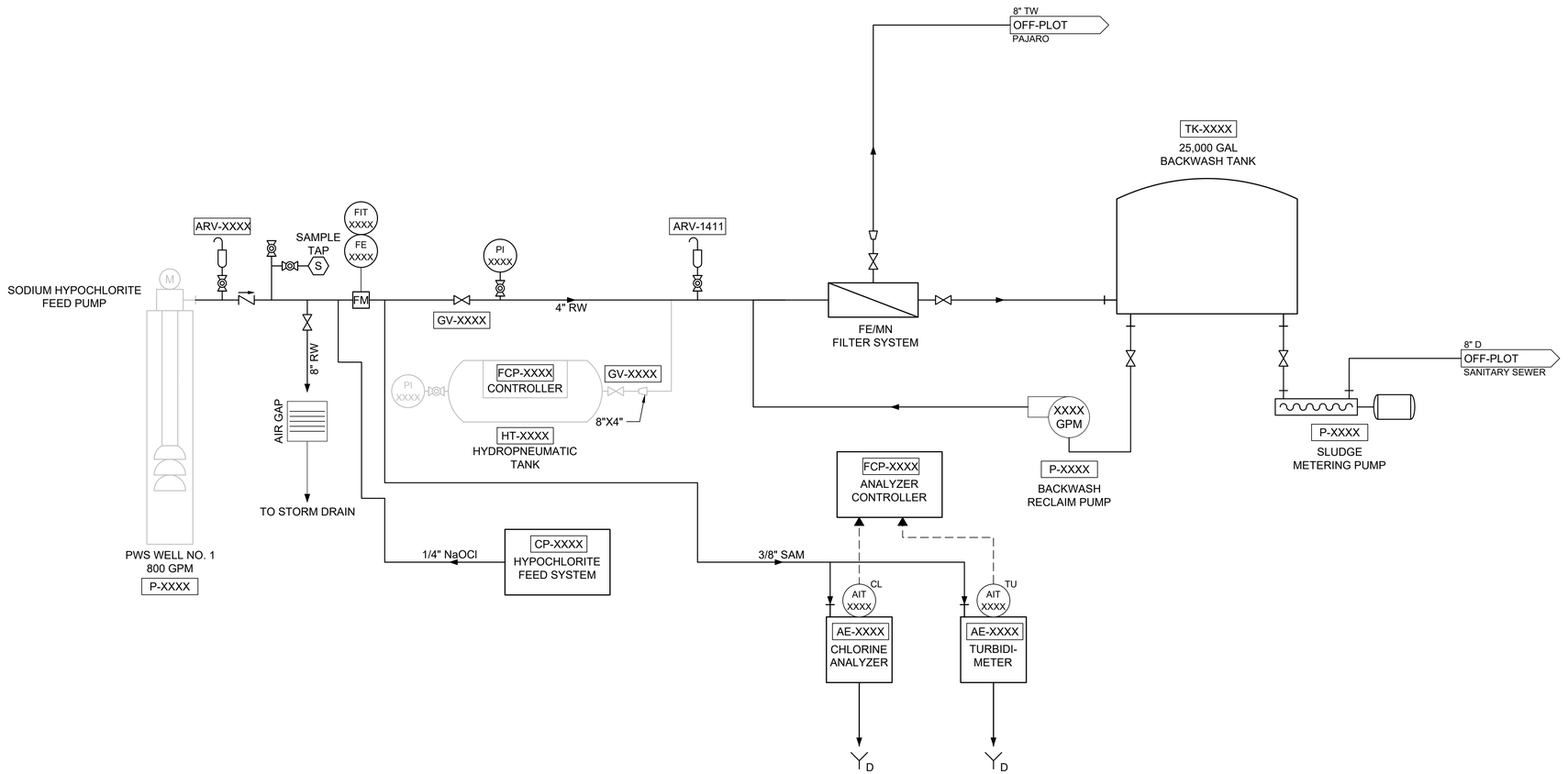
PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
I-003

SHEET NUMBER
123 OF **158**

C:\Box\Projects\Pajaro_Community Water Consolidation_200476.05 Phase Prog_Eng_CAD\2 Sheets\Network Communication Diagram.dwg
Tue, 06 Jun 25 22:05:11 PM by Hope Mallory

FIELD



****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION

PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

PAJARO WELL NO. 1 - PROCESS & INSTRUMENTATION DIAGRAM

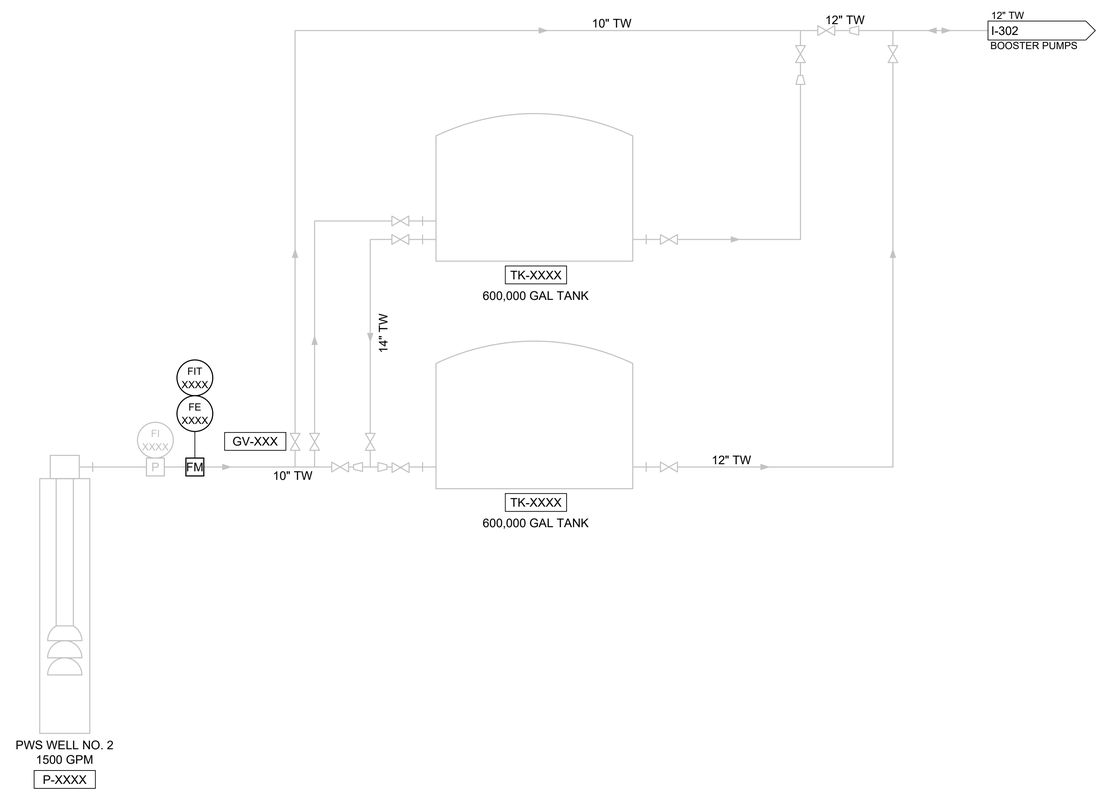
PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
I-201

SHEET NUMBER
124 OF 158

C:\Box\Projects\Sunny Mesa Community Water Consolidation\2024\5.0\Plans\Proj\Eng_CAD\2 Sheet\Pajaro Well No.1 Water Production.dwg
Tue, 05 Jun 24 - 10:56:48 PM By: Joyce Mallery

FIELD



****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

PAJARO TANK WATER PRODUCTION - PROCESS & INSTRUMENTATION DIAGRAM

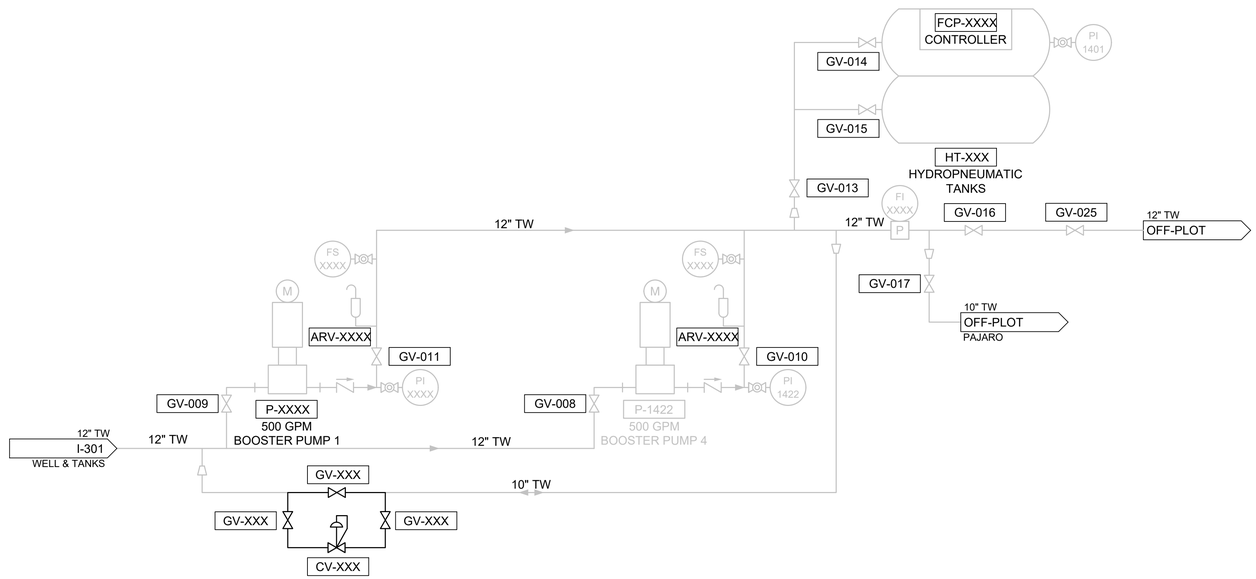
PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
I-301

SHEET NUMBER
125 OF **158**

C:\Bim\Projects\com - Community Water Consortium 2024\3.20 Plans Proj\2 Eng_CAD\2 Drawn\Pajaro SMM WLI Water Treatment.dwg
Tue 26 Jun 26 20:06:43 PM by Hope Mahney

FIELD



****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

PAJARO TANK BOOSTER PUMP - PROCESS & INSTRUMENTATION DIAGRAM

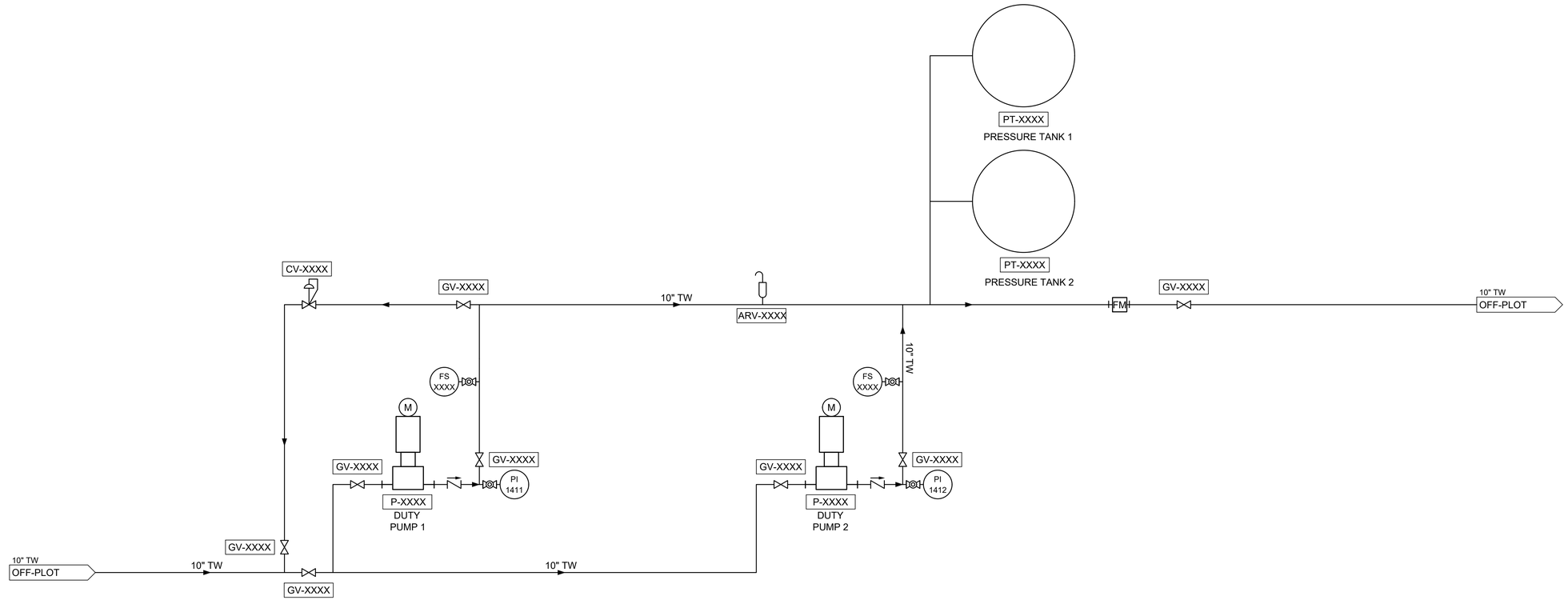
PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
I-302

SHEET NUMBER
126 OF 158

C:\Dev\Projects\...\Community Water Center\work\200476.05 Pajaro Proj\Eng_CAD\ Sheets\Pajaro Tank - P&ID's & Instrumentation.dwg
Tue 06 Jan 26 - 03:06:41 PM By: Hope Mallory

FIELD



****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

TRANSMISSION BOOSTER PUMP STATION - PROCESS & INSTRUMENTATION DIAGRAM

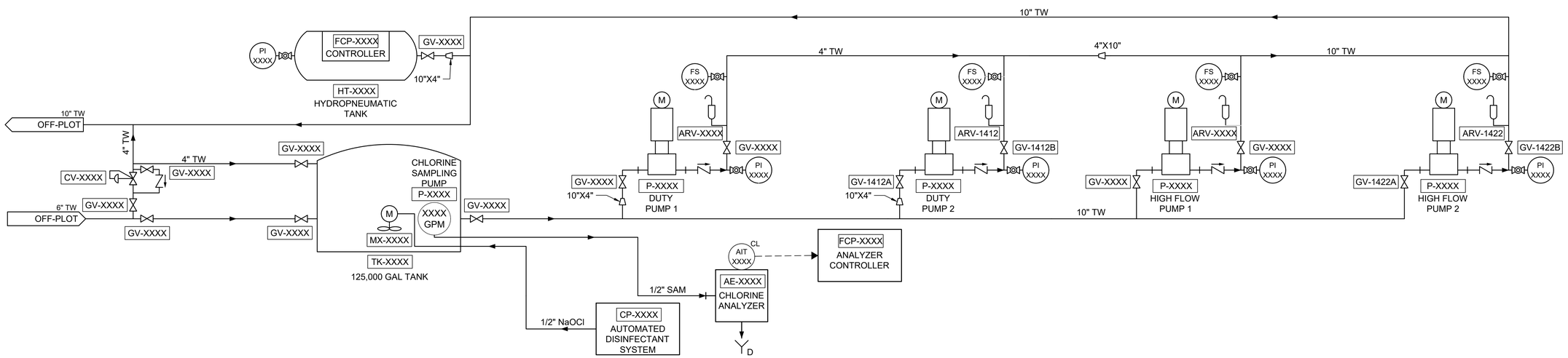
PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
I-401

SHEET NUMBER
127 OF **158**

Tue,26 Jun,26 - 03:50:37 PM by Hoyt Mallroy C:\Box\Projects\Pc - Community Water Conservancy_200476.05 Pismo Prop\DT\Dgn_CAD\2 Ensemble\Booster Pump Station - I\Dprog & Instrumentation.dwg

FIELD



****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

BLUFF-JENSEN PUMP STATION AND STORAGE - PROCESS & INSTRUMENTATION DIAGRAM

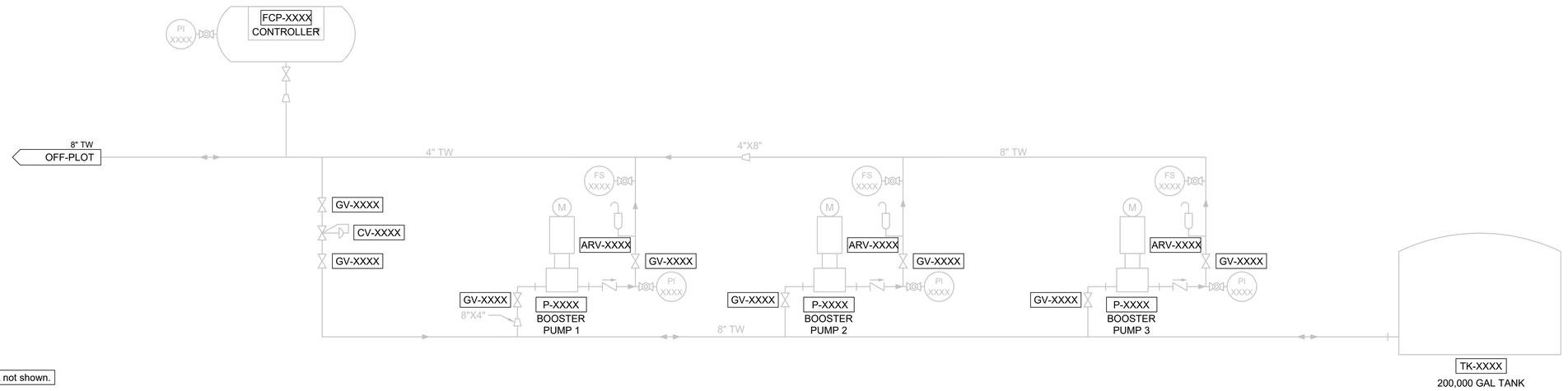
PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
I-501

SHEET NUMBER
128 OF **158**

Tue,26 Jun,26 02:55:13 PM by Paige Mahony C:\Box\Projects\Active Projects\Community Water Consolidation\200476.05 Pano Proj\02 Eng_CAD\2 Sheets\B-Jurisdiction Pump Station And Storage.dwg

FIELD



NOTE: Pressure zone 2A not shown.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

SUNNY MESA TANK SITE - PROCESS & INSTRUMENTATION DIAGRAM

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
I-601

SHEET NUMBER
129 OF 158

Tue 06 Jan 26 02:55:31 PM by Hoyt Mabrey C:\Box\Projects\4 - Community Water Conservancy\200476.05 Permit Proj\CE Eng_CAD\2 Sheets\Sunny Mesa Tank Site - P&ID.dwg

OPERATOR INTERFACE TERMINAL

LOCAL CONTROL PANEL LCP-1000

FIELD

S/S HS 1111 | AUTO YL 1111A | HAND YL 1111B | RUN TIME KQI 1111 | FAIL XA 1111

FAL 1111A | FI 1111 | FAL 1111B

CL TU AAL 1211 | AAH 1211 | AI 1211 | AI 1221 | AAH 1221

LALL 1311B | LAHH 1311B | LI 1311

RUN FAIL NL 1311 | XA 1311

LALL 1311A | LAHH 1311A

TANK ENABLE HS 1311 | TANK ENABLE HS 1321

LI 1321 | LALL 1321B | LAHH 1321B

RUN FAIL NL 1321 | XA 1321

LALL 1321A | LAHH 1321A

LALL 1311A | LAL 1311A | LAH 1311A | LAHH 1311A

LALL 1321B | LAL 1321B | LAH 1321B | LAHH 1321B

LALL 1321A | LAL 1321A | LAH 1321A | LAHH 1321A

FROM I-104 A

MCP-1311 WEST TANK MIXER CONTROL PANEL

MCP-1321 EAST TANK MIXER CONTROL PANEL

NOTES:

1. ALL HMI/OIT SIGNALS, E.G., START/STOP, HOA, ALARMS, ALARM RESET, AND PLC INTERLOCK SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATION SECTION 409501 PROCESS CONTROL NARRATIVES (PCN).
2. P&ID IS TO BE USED TO PROVIDE ADDITIONAL INFORMATION TO PCN.
3. IN THE EVENT PCN DOES NOT PROVIDE THE HMI/OIT INFORMATION, SPECIFICATION SECTION 40 AND I DRAWINGS SHALL GOVERN.
4. PROVIDE ALL NECESSARY PLC I/O SIGNALS AND HARDWIRED CONTACT IN ACCORDANCE TO ELECTRICAL CONTROL DIAGRAMS IN E DRAWINGS.
5. ALL PIPING SHALL BE IN ACCORDANCE IN MECHANICAL AND CIVIL DRAWINGS.

ARV-1101A

PI 1111

S

4" RW

M

MSH 1111

TSH 1111

WELL SW-2

P-1111

PUMP TO WASTE

FS 1111

FIT 1111

FE 1111

FM

GV-1101

ARV-1101B

4" TW

3/8" SAM

1/4" NaOCl

M

P-1211

SODIUM HYPOCHLORITE FEED PUMP

1/4" NaOCl

12.5% SODIUM HYPOCHLORITE STORAGE DRUM

FCP-1200 ANALYZER CONTROLLER

CL AIT 1211 | AE-1211 CHLORINE ANALYZER

TU AIT 1221 | AE-1221 TURBIDI-METER

D

D

GV-1102B

ALT

CV-1102

8"X4"

GV-1102A

4"X8"

GV-1103

4" TW

I-902 DISTRIBUTION

8" TW

I-902 PUMP STATION

8" TW

LIT 1311 | LE 1311 | GV-1311

M MX-1311

LSHH 1311 | LSH 1311 | LSL 1311 | LSLL 1311

TK-1311 WEST TANK

LIT 1321 | LE 1321 | GV-1321A

M MX-1321

LSHH 1321 | LSH 1321 | LSL 1321 | LSLL 1321

TK-1321 EAST TANK

GV-1321B

4" TW

I-902 PUMP STATION

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

SPRINGFIELD WATER PRODUCTION - PROCESS & INSTRUMENTATION DIAGRAM

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
I-901

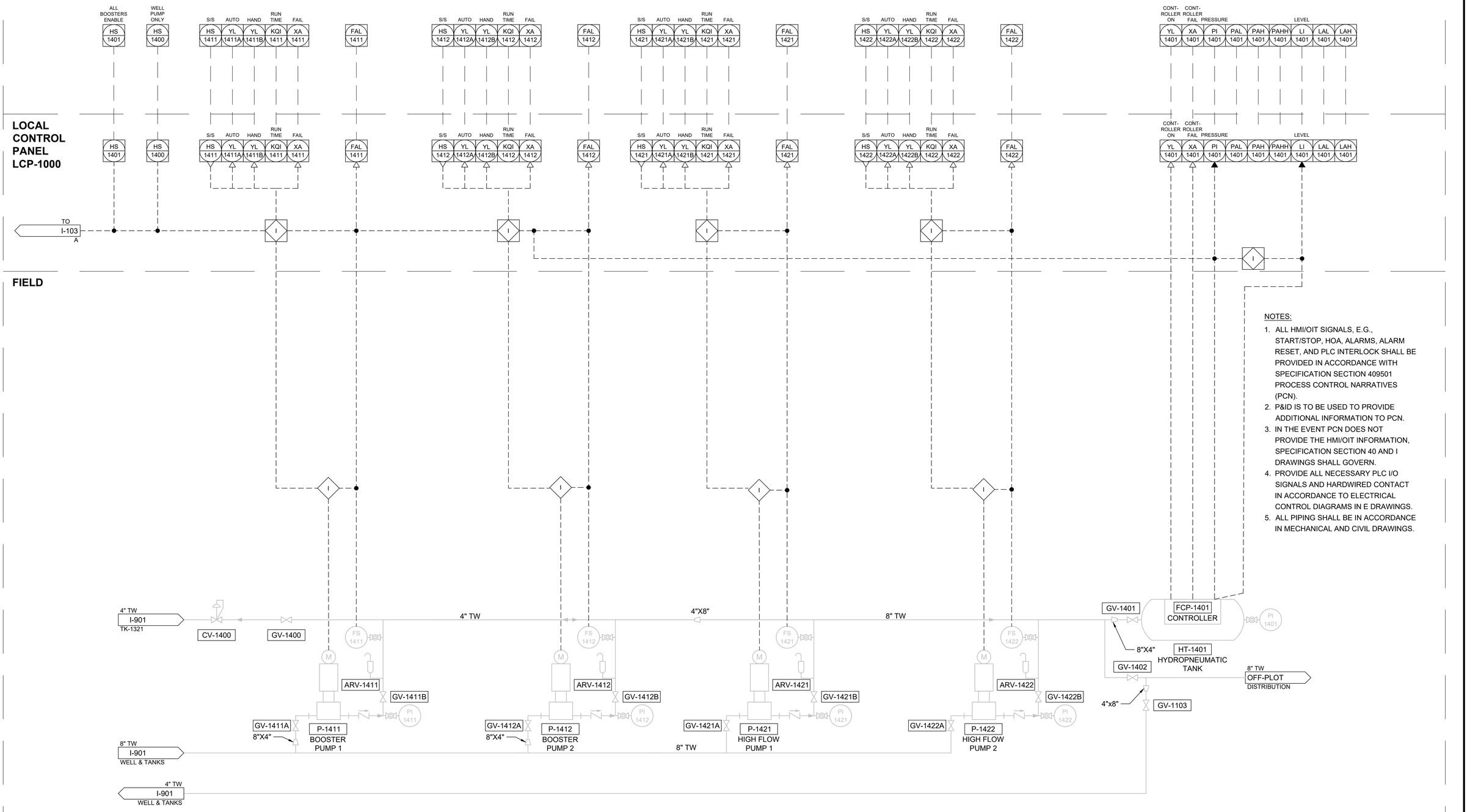
SHEET NUMBER
130 OF 158

C:\BluePrintScript\...\Community Water Center\work\200476.06 Plans Prep\I Eng_CAD\3 Sheets\Springfield Water System.dwg
Tue 06-Jan-26 09:23 PM by Hope Mahony
© BluePrintScript

OPERATOR INTERFACE

LOCAL CONTROL PANEL LCP-1000

FIELD



NOTES:

1. ALL HMI/OIT SIGNALS, E.G., START/STOP, HOA, ALARMS, ALARM RESET, AND PLC INTERLOCK SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATION SECTION 409501 PROCESS CONTROL NARRATIVES (PCN).
2. P&ID IS TO BE USED TO PROVIDE ADDITIONAL INFORMATION TO PCN.
3. IN THE EVENT PCN DOES NOT PROVIDE THE HMI/OIT INFORMATION, SPECIFICATION SECTION 40 AND I DRAWINGS SHALL GOVERN.
4. PROVIDE ALL NECESSARY PLC I/O SIGNALS AND HARDWIRED CONTACT IN ACCORDANCE TO ELECTRICAL CONTROL DIAGRAMS IN E DRAWINGS.
5. ALL PIPING SHALL BE IN ACCORDANCE IN MECHANICAL AND CIVIL DRAWINGS.

****REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
DRAWN:	KAD
CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

NICHOLAS E. PANOFSKY
PRINCIPAL ENGINEER
R.C.E. 75006 EXP. 12/31/2027

1/26/26
DATE

REGISTERED PROFESSIONAL ENGINEER NICHOLAS E. PANOFSKY C75006 Exp. 12-31-2027 CIVIL STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

SPRINGFIELD BOOSTER PUMPS - PROCESS & INSTRUMENTATION DIAGRAM

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
I-902

SHEET NUMBER
131 OF **158**

Tue 06 Jun 26 03:23 PM by Hope Mallamy C:\Box\Projects\pm - Community Water Center\work\200476.06 Pond Proj\Eng_CAD\2 Sheets\Springfield Hotel System.dwg

STRUCTURAL NOTES

GENERAL NOTES

1. The following notes, typical details and schedules shall apply to all phases of this project unless otherwise shown or noted.
2. Specific notes and details shall take precedence over general notes and typical details.
3. All materials and workmanship shall conform to the minimum standards of the 2022 edition of the California Building Code (CBC) and such other regulating agencies exercising authority over any portion of the work. The contractor shall have a current copy of the CBC (print or digital version) on the job site.
4. The Construction Documents shall consist of these notes, details, schedules, plans, drawings, and Specifications.
5. All specifications, including but not limited to materials and products, shall be those put forth in the Construction Documents. No substitutions shall be permitted to be used or assumed to be used in the bidding or construction process without written approval by the Engineer of Record.
6. The contractor shall examine the Construction Documents and shall notify the Engineer of Record of any discrepancies they may find before proceeding with the work.
7. All information on existing conditions shown on drawings are based on best present knowledge available, but without guarantee of accuracy. The Contractor shall verify and be responsible for all dimensions and conditions at the site and shall notify the Engineer of Record of any discrepancies between actual site conditions and information shown on or in the Construction Documents before proceeding with work.
8. The Contractor shall immediately notify the Engineer of Record of any condition which in their opinion might endanger the stability of the structure or cause distress of the structure.
9. The Contractor shall provide temporary bracing and shoring for all structural members as required for structural stability of the structure during all phases of construction.
10. All work shall conform to the best practice prevailing in the various trades comprising work. The Contractor shall be responsible for coordinating the work of all trades.
11. These Construction Documents represent the finished structure, and do not indicate the method of construction. The Contractor shall supervise and direct the work and shall be solely responsible for construction means, methods, techniques, sequences and procedures.
12. The Contractor shall take all steps necessary to ensure proper alignment of the structure after the installation of all structural and finish materials. This shall include any necessary preloading of the structure to determine final position of the completed work.
13. These notes, details, drawings and Specifications (Construction Documents) do not carry necessary provisions for construction safety. These documents and all phases of construction are to be governed, at all times, by applicable provisions of the current California Occupational Safety and Health Act.
14. Where any conflict occurs between the requirements of federal, state and local laws, codes, ordinances, rules and regulations, the most stringent shall govern.
15. Inspection and approval for shops used for fabrication of structural load bearing members, components, materials or assemblies shall conform to CBC Section 1704.2.5.
    A. Labeling (as required or specified) shall be provided in accordance with CBC Section 1703.5.
    B. Evaluation and follow-up inspection services (as required or specified), shall conform to CBC Section 1703.6.
16. The Contractor shall refer to the Specifications for information not covered by these drawings and General Notes.
17. Observation visits to the project site by field representatives of the Engineer of Record (support services) shall not include inspections of safety or protective measures, nor construction procedures, techniques or methods. Any support services performed by Engineer of Record during any phase of construction, shall be distinguished from continuous and detailed inspection services (as required by any regulating governmental agency, e.g. the Authority Having Jurisdiction) provided by others. These support services, whether of material or work, are performed solely for the purpose of assisting in quality control and in achieving conformance with contract documents, but do not guarantee Contractor's performance and shall not be construed as supervision of construction.
18. Provide openings and supports as required per typical details and notes for mechanical, plumbing, and electrical equipment, vents, ducts, piping, etc. All mechanical, plumbing and electrical equipment shall be properly braced against lateral forces.
19. Refer to drawings by other disciplines to coordinate with Structural Drawings. Any discrepancy between these drawings shall be referred to the Architect or Engineer of Record for clarification prior to the start of construction.
20. Written dimensions shall have precedence over scaled dimensions.
21. Drawings (notes, schedules, details and plans) shall have precedence over Structural Calculations.
22. In the event that certain features of the construction are not fully shown on the drawings or called for in the General Notes or Specifications, their construction shall be of the same character as for similar conditions that are shown or called for.
23. The Contractor shall have a copy of the Project Geotechincal Investigation on the job site.
24. ASTM designation and all standards refer to the latest amendments.
25. These structural Construction Documents shall not be modified without prior written approval of the Engineer of Record.
26. Only structural working drawings approved by the Authority Having Jurisdiction are permitted to be used for construction on this project. All other drawings or documents are obsolete and are not permitted on the job site, nor shall they be used for any construction purposes. Contractors using unapproved drawings or documents are solely responsible for all work not performed in accordance with the "approved" drawings.

SHOP DRAWING AND CONTRACTOR SUBMITTAL REVIEW

1. Shop Drawings or Contractor Submittals should be provided for the fabrication (or proportioning) of the following (but not limited to) components or elements.
   A. Concrete mix designs
   B. Masonry units
   C. Grout and mortar mix designs
   D. Reinforcing bar
   E. Structural Steel
   F. Substitute or alternate materials
   G. Formwork and shoring
2. The Contractor shall be responsible for the production of Shop Drawings or Contractor Submittals, the distribution of documents to the Engineer of Record for review, incorporation of any noted revisions made by the Engineer of Record into the documents, and final approval.
3. Shop drawings shall not be a reproduction of structural drawing sheets.
4. When the Contractor submits shop drawings or other submittals to the Engineer of Record for review, submittal package shall contain sufficient copies that the Engineer of Record may retain a complete copy of submittal package.
5. The Contractor shall allow sufficient time for the Engineer of Record to thoroughly review submittal package (10 working days, minimum).
6. Review of Shop Drawings or Contractor Submittal by Engineer of Record does not in any way constitute approval of submittal package. Engineer of Record's review is for general conformance with the design concept and contract documents. Review shall not be construed as relieving the Contractor from compliance with the contract documents.

FOUNDATION

1. Unexpected soil conditions: Allowable values and foundation design are based upon soil conditions shown by test borings as presented in the project Geotechnical Investigation. Actual soil conditions which deviate from that shown in the test borings shall be reported to the Project Geotechnical Engineer immediately.
2. See project Geotechnical Investigation for compaction, fill, backfilling, and site preparation requirements and procedures.
3. Excavate all foundations to required depths into compacted fill or natural soil.
   A. All foundation excavations shall be inspected and approved by the project Geotechnical Engineer, prior to forming and placement of reinforcing and/or concrete.
   B. Foundation excavations shall be cut square and smooth with firm level bottoms.
   C. Care shall be taken not to over-excavate foundations at lower elevations and prevent disturbing soils around higher elevations.
4. Footings shall be poured in neat excavations, without side forms whenever possible.
5. Moisten sides and bottom of excavations several times prior to concrete placement.
6. Foundations shall not be poured until all required reinforcing bar, sleeves, inserts, conduits, pipes, formwork, etc. are properly placed and inspected by the Authority Having Jurisdiction.
7. De-water footing excavations and foundation block-outs to maintain dry working conditions.

REINFORCING BAR

1. All reinforcing bar shall be deformed intermediate grade bars conforming to ASTM A615, Grade 60 (f_y = 60 ksi), unless noted otherwise.
   A. Grade 40 (f_y = 40 ksi) may be used for #3 bars and smaller.
2. Reinforcing bar shall not be welded, unless noted or detailed otherwise.
3. To hold reinforcing bars in their true position and prevent displacement, standard tie and anchorage devices shall be provided. Placing of reinforcement shall conform to ACI 318-14 Section 26.6.2.
4. Shop drawings for fabrication of any reinforcing bar shall be provided by the Contractor and submitted to the Engineer of Record for their review and approval, prior to fabrication.
5. Refer to typical details for minimum splice length and minimum radius of bend for reinforcing bar.
6. All reinforcing bar splices shall be staggered 24", unless noted or detailed otherwise.
7. All reinforcing bar bends shall be made cold.
8. Fabrication, erection and placement of reinforcing bar shall conform to Concrete Reinforcing Steel Institute Manual of Standard Practice.
9. Reinforcing bar shall be clean of rust, grease or other material likely to impair bond.
10. Welded wire mesh shall conform to ASTM A185. Lap all wire mesh two modules, minimum.
11. Welding of reinforcing bar (where specifically noted or detailed) shall conform to ACI 318-14, Section 26.6.4 and AWS D1.4. Welded rebar shall be low-alloy steel conforming to ASTM A706.
12. Epoxy-coated reinforcement (where specifically noted or detailed) shall conform to ASTM A775.

CONCRETE

1. All concrete work shall comply with CBC Chapter 19 and ACI 318-19 and latest edition of ACI Manual of Concrete Practice.
2. Special Inspection (as required or specified) shall conform to CBC Chapter 17.
3. All structural concrete shall be regular weight.
4. Concrete shall be well graded and meet the following minimum requirements:

Concrete Use	Comp. Strength (f'c)	Exposure Classes per ACI 318 19.3.1	Max. w/c Ratio	Nominal Max. Aggregate Size
Footings & Housekeeping pads	4,000psi at 28 Days	F0, S0, W0, C1	0.45	1"
Steel Deck Slab	3,000 psi at 28 Days	F0, S0, W0, C1	0.50	¾"

5. Cement shall be Portland Cement of either type below;
   A. Type II/V, conforming to ASTM C150
   B. Type I with (HS) designation, conforming to ASTM C595
6. Fly ash, if used, shall conform to ASTM C618.
7. Slag cement, if used, shall conform to ASTM C989
8. Fly ash and slag cement shall not be used in combination. Fly ash or slag cement content shall be between 15% and 40%, by weight, of total cementitious materials and shall conform to ASTM C618.
9. Aggregates shall conform to ASTM C33; provide aggregates from a single source.
10. Water shall conform to ASTM C94 and be potable.
11. All splices are to be Class B unless specifically noted otherwise.
12. Minimum concrete cover over reinforcing bar shall be:

Concrete cast against and permanently exposed to earth or weather	3"
Concrete placed against forms, but exposed to earth or weather	2"
Slabs, wall & joists, not exposed to earth or weather	¾"
Beams, girders & columns, not exposed to earth or weather	1½"

13. Location of all construction joints, other than specified, shall be approved by Engineer/Engineer of Record prior to pouring. Construction joints shall be thoroughly air and water cleaned and heavily roughened so as to expose coarse aggregates. All surfaces to receive concrete shall be maintained continuously wet at least three hours in advance of pouring.
14. All reinforcing steel, anchor bolts, dowels, inserts and any other hardware to be set in concrete shall be well secured in position prior to pouring of concrete.
15. The Contractor shall obtain approval from Engineer/Engineer of Record prior to placing sleeves, pipes, ducts, chases, coring and openings on or through structural concrete beams, walls, floors and roof slabs, unless specifically detailed or noted. All pipes or conduits passing through concrete members shall be sleeved with standard steel pipes. See typical detail for pipe through footing.
16. Vibrate all concrete (including slabs on grade) as it is placed, with a mechanical vibrator operated by experienced personnel. The vibrator shall be used to consolidate the concrete, not transport it. Reinforcing and forms shall not be vibrated.
17. Formwork design and removal shall conform to ACI 318-14 Section 26.11. Remove forms in accordance with the following minimum schedule:

Side forms of footings	Minimum 48 hours
Edge forms of slab on grade	Minimum 24 hours
Wall/Retaining Wall forms	72 hours & 70% of design strength
Column forms	72 hours & 70% of design strength
Elevated beams and slabs	14 days & 80% of design strength

18. Concrete shall not free fall more than six feet. Use tremie, pump or other approved methods.
19. Concrete shall be maintained in a moist condition for a minimum of 5 days after placement or concrete surfaces shall be cured with liquid membrane-forming curing compound conforming to ASTM C309, Type 1, Class A. Curing compound shall be approved by the Engineer of Record.
20. The Contractor may use concrete admixtures as a construction means and methods to execute Construction Documents. Use of admixture is solely the responsibility of the Contractor.
21. Concrete mix designs shall be prepared by the concrete supply plant. Each mix design shall be submitted with current supporting data to the Engineer of Record for review and approval. Each mix design shall be stamped and signed by a Civil or Structural Engineer licensed in the state of the project jurisdiction.
22. Only one grade of concrete shall be allowed on project site at any one time.
23. Unless noted otherwise, construction and control joints shall be provided in all concrete slabs on grade, and shall be located such that the area within joints does not exceed 375 sq. ft., and is roughly square.
    A. For all structural slabs (suspended or on grade) where Civilly exposed conditions are desired, the Contractor shall provide control joint layout for review by Engineer and Engineer of Record.
24. Every opening exceeding 24" (in either direction) shall have a minimum of 2-#5 (U.N.O.) directly adjacent to all sides as well as top and bottom (unless at foundation). Reinforcing bars shall extend a minimum of 24" past edge of opening.
25. Dowel all concrete walls and columns to supporting concrete with bars of the same size and spacing as vertical bars in wall and columns. Do not "hickey" bars. All dowels shall be vertical.
26. Provide a minimum of 2-#5 continuous horizontally at tops of walls and vertically at ends of walls, unless noted otherwise.
27. Concrete strength shall be verified by standard cylinder tests (in accordance with CBC Section 1705.3) made by a testing laboratory approved by the Authority Having Jurisdiction.
28. Concrete placed when the air temperature has fallen to, or is expected to fall below 40° shall conform to ACI 318-14 Section 26.54 and ACI 306R-16.
29. Concrete placed during hot weather shall conform to ACI 318-14 Section 26.5.5 and ACI 305R-14.
30. Aluminum material shall not be place in concrete.
31. Conduits and sleeves placed within structural concrete shall not be tied directly to structural reinforcement.
    A. 1" clear distance shall be maintained between conduits/sleeves and reinforcing bar.

STRUCTURAL DESIGN VALUES

All values reported are unfactored and strength level, unless noted otherwise

	Value
Gravity Design Data	
Dead Loads:	
CMU Roof Dead Load	75 psf
Floor Dead Load	75 psf
CMU Wall Dead Load	80 psf
Bolted Water Storage Tank	PER MANUF.
Live Loads:	
Roof Live Load (Reducible)	20 psf
Floor Live Load	125 psf
Snow Loads:	
Ground Snow Load, P_s	0 psf
Deflection Criteria:	
Roof, Total Load	L/240
Roof, Live Load	L/360
Floor, Total Load	L/240
Floor, Live Load	L/360
Wind Design Data	**Value**
Design Wind Speed (3-sec gust), V_{ULT}	103 mph
Risk Category	II
Exposure Category	C
Applicable Internal Pressure Coefficient	± 0.18
Design Wind Pressure(s) for Components & Cladding (Not specifically designed by the Registered Design Professional, and to be modified by applicable factors per ASCE 7)	q_h = 19.6 psf
Earthquake Design Data	**Value**
Risk Category/Seismic Use Group	II
Importance Factor, I_e	1.5
Mapped Spectral Response Accelerations	S_S= 2.032 S_1= 0.748
Site Class	D
Spectral Response Coefficients	S_{DS}= 1.355 S_{D1}= 1.27
Seismic Design Category	D
Analysis Procedure Used	Equivalent Lateral Force Procedure (ASCE 7, 12.8)
Basic Seismic-Force Resisting System	Bearing wall systems: Special Reinforced Masonry Wall
Response Modification Coefficient	R= 5
Seismic Response Coefficient	C_s= 0.391
Design Base Shear	V= C_S W_D
Analysis Procedure Used	Seismic Design of Water Storage Tanks (AWWA D100-11 Sec. 13.5)
Basic Seismic-Force Resisting System	Ground Supported Flat-Bottom Tanks
Seismic Use Group	II
Response Modification Factor	
Impulsive Component	R_i = 3
Convective Component	R_c = 1.5
Geotechnical Design Data	**Value**
Geotechnical Report prepared by: Pacific Crest Engineering, Inc. (Report No.: 25006-M93-C31)	Dated: 05.28.2025
Water Tank Foundation - Spread Footing Foundations	
Allowable Soil Bearing Pressure (DL + LL)	1,500 psf
Design Active Pressure, P_a	45 pcf
Design At-Rest Pressure, P_a	75 pcf
Design Passive Pressure, P_p	300 pcf
Design Coefficient of Friction, f_f	0.30
Iron Manganese, Treatment Facilities, & Transmission Booster Station	
Allowable Soil Bearing Pressure (DL + LL)	1,500 psf
Design Active Pressure, P_a	45 pcf
Design At-Rest Pressure, P_a	75 pcf
Design Passive Pressure, P_p	300 pcf
Design Coefficient of Friction, f_f	0.25

ABBREVIATIONS

A.B.	Anchor Bolt	IBC	International Building Code
ABV.	Above	ICC	International Code Council
ACI	American Concrete Institute	ICF	Insulated Concrete Form
ADD'L	Additional	ID	Inside Diameter
ADJ.	Adjacent	IN.	Inch, Inches
AHJ	Authority Having Jurisdiction	INT.	Interior
AISC	American Institute of Steel Construction	JST.	Joist
AITC	American Institute of Timber Construction	ksi	Kips per Square Inch
AOR	Architect of Record		
APA	American Plywood Association	LL	Live Load
APPROX.	Approximate(ly)	LW	Lightweight
ASCE	American Society of Civil Engineers	LSL	Laminated Strand Lumber
		LVL	Laminated Veneer Lumber
ARCH.	Architect, Architecture		
ASTM	American Society of Testing and Materials	MAX.	Maximum
		MB	Machine Bolt
ATR	All Thread Rod	MBM	Metal Building Manufacturer
AWS	American Welding Society	MECH.	Mechanical
		MSE	Mechanically Stabilized Earth
BLDG.	Building	MFR.	Manufactured, Manufacturer
BLK.	Block	MIN.	Minimum
BLKD.	Blocked	MPH	Miles per Hour
BLK'G	Blocking	MTL.	Metal
BM.	Beam		
B.O.	Bottom of _____	(N)	New
BOT.	Bottom	NDS	National Design Specification
BRG.	Bearing	N.T.S.	Not to Scale
b/t	Between		
		o.c.	On Center
CAC	California Administrative Code	o/	Over
CANT.	Cantilever	OD	Outside Diameter
CBC	California Building Code	OSB	Oriented Strand Board
CIP	Cast-in-place	OSHPD	Office of State Health Planning and Development
CJ	Control Joint		
CJP	Complete Joint Penetration	OWSJ	Open Web Steel Joist
℄	Centerline		
CLG.	Ceiling	PEN.	Penetration
CLR.	Clear	PL.	Plate
CMU	Concrete Masonry Unit	PLYWD.	Plywood
COL.	Column	PJP	Partial Joint Penetration
CONC.	Concrete	psi	Pounds per Square Inch
CONN.	Connection	PSF	Pounds per Square Foot
CONST.	Construction	PSL	Parallel Strand Lumber (Paralam)
CONT.	Continue, Continuous		
CSK.	Countersink	PEMB	Pre-Engineered Metal Building
		PERF.	Perforated
Ø	Diameter	PTDF	Pressure Treated Douglas Fir
d	Penny	PW	Puddle Weld
DBL.	Double		
DCW	Demand Critical Weld	Q.A.	Quality Assurance
DET.	Detail	Q.C.	Quality Control
DEMO	Demolition		
DF	Douglas Fir	RBS	Reduced Beam Section
DIAG.	Diagonal	RDWD	Redwood
DL	Dead Load	REBAR	Reinforcing Bar
DSA	Division of State Architect	REINF.	Reinforcement
DWGS.	Drawings	RET.	Retaining
		REQ'D	Required
EA.	Each		
E.F.	Each Face	S.F.	Square Feet
ELEC.	Electric, Electrical	SHT.	Sheet
ELEV.	Elevation	SHT'G	Sheathing
EMBED.	Embedded, Embedment	SIM.	Similar
E.N.	Edge Nailing	SIP	Structural Insulated Panel
EOR	Engineer of Record	SJI	Steel Joist Institute
EQ.	Equal	SLRS	Seismic Load Resisting System
EQUIP.	Equipment	SMS	Sheet Metal Screw
E.S.	Each Side	SQ.	Square
E.W.	Each Way	SS	Select Structural
(E)	Existing	STAGG'D	Staggered
EXP.	Expansion	STD.	Standard
EXT.	Exterior	STL.	Steel
		SW	Shearwall
FAB.	Fabricated	SEOR	Structural Engineer of Record
FDN.	Foundation		
F.F.	Finish floor	T&B	Top and bottom
FLR.	Floor	T&G	Tongue and Groove
F.O.	Face of _____	THR'D	Threaded
FRMG.	Framing	T.O.	Top of _____
FT.	Foot,Feet	TRL.	Triple
FTG.	Footing	TYP.	Typical
GA.	Gauge	UNBLKD.	Unblocked
GALV.	Galvanized	U.N.O.	Unless Noted Otherwise
GEOR	Geotechnical Engineer of Record	URM	Unreinforced Masonry
GLB	Glued-Laminated Beam	VERT.	Vertical
GYP. BD.	Gypsum Board	VIF	Verify in Field
HDR.	Header	w/	With
HD.	Holdown	w/c	Water/Cement Ratio
HORIZ.	Horizontal	WD.	Wood
HSS	Hollow Steel Section	W.P.	Working Point
HT.	Height	W.S.M.F.	Welded Steel Moment Frame
		WSS	Welded Steel Stud
		WT.	Weight
		WWM	Welded Wire Mesh

SYMBOLS

- Concrete Footing
- Concrete Masonry Unit Wall
- Elevation Reference
- Concrete Wall
- DET / SHT — Detail Number Reference / Sheet Number Reference

****30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-787-0326 | www.mnsengineers.com

DESIGNED:
DRAWN:
CHECKED:
QA/QC:
CONSTRUCTABILITY:

REGISTERED PROFESSIONAL ENGINEER — MICHAEL E. PAROLINI — No. 5405 — STRUCTURAL — STATE OF CALIFORNIA

MICHAEL E. PAROLINI
PROJECT ENGINEER:
S5405

05.08.2025
DATE

BUEHLER
811 EL CAPITAN WAY, SUITE 240
SAN LUIS OBISPO, CA 93401
916 778 0084

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

STRUCTURAL NOTES

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
S-001

SHEET NUMBER
132 OF 154

Wed, 20 Aug 25 - 04:28:01 PM by: Joseph Kilmczyk F:\2025-06\06006\3-BM\06-CAD\S-101.dwg

STRUCTURAL NOTES

MASONRY

1. Masonry shall have a minimum compressive strength (f'_m) of 1,900 psi. All masonry construction shall be solid grouted and conform to Part 2 of TMS 602-16.
   A. A.A.C. (autoclaved aerated concrete) masonry units and construction are not allowed.

2. Masonry Units:
   A. Conform to CBC Section 2103.1 and ASTM C90, load bearing concrete masonry units.
   B. Open-end masonry units (speed block) are acceptable (except in architecturally exposed conditions).
   C. Medium-weight aggregate.
   D. Unit shall have a minimum net compressive strength of 1,900 psi

3. Mortar:
   A. Mortar shall conform to CBC Section 2103.2, ASTM C270, and Sections 2.1 and 2.6A of TMS 602-16.
   B. Mortar shall be type M or S
   C. Mortar shall develop a minimum compressive strength of 1,900 psi at 28 days.

4. Grout:
   A. Grout shall conform to CBC Section 2103.3, ASTM C476, and Section 2.2 OF TMS 602-16.
   B. Grout shall develop a minimum compressive strength of 2,000 psi at 28 days.
   C. Grout Slump: 8 - 11 inches

5. Requirements for masonry construction shall conform to the following:
   A. Masonry construction shall conform to CBC Section 2104 and TMS 602-16.
   B. Unless noted otherwise, every opening exceeding 24" in either direction shall have a minimum of 2-#5 horizontal directly above and below (unless at foundation) and vertical adjacent to both sides. Reinforcing bars shall extend a minimum of 24" beyond edge of opening.
   C. At the end of all walls shall be a minimum of 2-#5 vertical, U.N.O.
   D. At the top of all walls shall be a minimum of 2-#3 horizontal, U.N.O.
   E. Dowel masonry walls and columns to supporting concrete with bars of the same size and spacing as vertical. See typical details for minimum length of splice.
   F. Bond shall be provided by lapping units in successive vertical courses (running bond). Stack bond or mechanical anchorage shall not be used unless noted or detailed otherwise.
   G. At the time of laying all masonry units shall be free of excessive dust and dirt.
   H. Grouting operations, maximum grout pour height and use of cleanouts shall conform to TMS 602-16, specifications Section 3.5 and Table 6. Cleanouts (if required) shall be provided by suitable 'C' openings in the face shells in the bottom course of each cell to be grouted, or other approved locations (see details provided). The cleanouts shall be sealed after inspection and before grouting.
   I. All cells shall be filled solidly with grout. Grout shall be a workable mix suitable for pumping without segregation and shall be thoroughly mixed. Grout shall be placed by pumping or an approved alternate method and shall be placed before initial set or hardening occurs. Grout shall be consolidated by mechanical vibration during placing and reconsolidated after excess moisture has been absorbed but before workability is lost. Do not vibrate reinforcing bars. The grouting of any section of a wall shall be completed in one day with no interruptions greater than one hour.
   J. When the grouting is stopped for one hour or longer, horizontal construction joints shall be formed by stopping the pour of grout approximately 1½" above or below a bed joint.
   K. All reinforcing shall be in place and secured prior to grouting. Reinforcement shall be placed and secured in conformance with CBC Section 2103.4 and TMS 602-16, Section 2.4.

6. Reinforcing bars larger than #8 are not permitted unless detailed or noted otherwise.

7. Special Inspection shall conform to CBC Chapter 17.

8. Grout mix designs shall be prepared by material supply plant. Each mix design shall be submitted with current supporting data to the Engineer of Record for review and approval. Each mix design shall be stamped and signed by a Civil or Structural Engineer licensed in the state of the project jurisdiction.

9. Location of all construction/control joints, other than those specified, shall be approved by the Engineer of Record prior to placement.

10. Unless detailed or noted otherwise, vertical control joints shall be provided in all masonry walls, and spaced at a distance approximately equal to wall height, (but not greater than 24'-0" o.c.). Control joints shall extend full height of wall. Control joints shall not be required when wall length does not exceed 1.5 times the wall height.

11. Masonry building walls (of one story or taller) shall be securely braced and shored, by the Contractor, during all phases of construction.

12. When ambient temperature falls below 40°F, construction shall conform to Part 1.8C of the TMS 602-16.

13. When ambient temperature exceeds 90°F, construction shall conform to Part 1.8 of the TMS 602-16.

14. Use of 'L' or 'J' bolts embed into masonry construction is prohibited.

STRUCTURAL STEEL AND WELDING

1. All structural steel construction shall conform to AISC 360-16 and AISC 341-16.
   A. All structural steel shall be fabricated in an approved fabrication shop. Inspection and approval of fabrication shops shall conform to CBC Section 1704.2.5.

2. All structural steel shall conform to the following specifications:

Steel Shape	ASTM Specificaiton	Min. Yield Stress, F_y (ksi)
Angle, Channel	A36	36
Plates, Bars, Rounds	A36	36
Wide Flange, WT	A992	50
Pipe	A53, Grade B	35
HSS Tube	A500, Grade C	50
HSS Round	A500, Grade B	42

3. Special Inspection shall be provided for all structural steel and welding, in accordance with CBC Chapter 17.

4. All structural steel shall be fabricated, erected and welded in accordance with AISC Specifications for Structural Steel Buildings (AISC 360-16) and Code of Standard Practice for Steel Buildings and Bridges (AISC 303-16).

5. All welding shall be performed by welders with current AWS certification for weld procedures used.

6. No field welding permitted, unless specifically noted otherwise.

7. Shop drawings for the fabrication of structural steel shall be submitted to Engineer of Record for their review, prior to fabrication.

8. No holes other than those specifically detailed shall be allowed through structural steel members. Burning of holes is not permitted.

9. All structural steel shall be painted one shop coat and field touched-up, as necessary, with approved "Zinc Rich" or other high quality exterior primer.

10. All structural and architectural steel exposed to weather shall be corrosion protected by being hot dipped galvanized and/or suitably primed and painted as shown on the architectural drawings and per the project specifications. Steel elements embedded in concrete shall be left unpainted.

11. All welding shall conform to AWS D1.1 and D1.8 specifications for welding. (E-70XX Electrodes).

12. All headed studs (for concrete anchorage) shall be manufactured by Nelson or approved equal per ASTM A108.

13. Non-shrink grout shall meet the requirements of ASTM Standard C1107, and shall attain a minimum 28 day compressive strength of 8000 psi.

14. Bolted Steel Connection Requirements
   A. High Strength Bolts (HSB) shall conform to ASTM A325/F1852 and ASTM A490 where specified. See details and schedules for bolt diameters and bolt types.
   Bolt tensioning requirement shall be as follows, U.N.O.:
   a. Bolts to beam web at non-moment connections -Snug tight for bearing connection
   b. Bolts to beam at moment connections -Slip critical (TYPE SC) U.N.O.
   c. All other bolted connections -Slip critical (TYPE SC) U.N.O.
   B. Machine bolts shall conform to ASTM A307, GRADE A.
   C. All bolt holes shall be standard size holes (1/16" larger than bolt), U.N.O.
   D. All bolts specified as slip critical bolts (A325-SC or A490-SC) shall have class 'A' faying surfaces (U.N.O.)
   E. Anchor bolts for non-frame columns shall be ASTM F1554, GRADE 36 (S1 & S4). Anchor bolts for all columns embedded into concrete walls shall be ASTM F1554, GRADE 55 (S4). Anchor bolts for ledgers to concrete or CMU wall shall be ASTM A307 or A36

16. Where fillet weld size is not indicated, use AWS minimum size, as specified in AISC Specifications for Structural Steel Buildings (AISC 360-16), Section J2.2.

17. All butt welds to be complete joint penetration, unless noted otherwise.

18. Welder qualification requirements, welding procedure and welding electrodes for all structural steel (except structural sheet steel as outlined in the steel deck section) shall conform to CBC Sections 1705.2 and 2204.1.

19. Provide hot dip galvanizing or 3" minimum concrete cover around all structural steel below grade.

20. Structural steel embedded into concrete or masonry shall be unpainted.

21. All steel members related to elevators shall be coordinated with the elevator contractor prior to fabrication.

STEEL DECK

1. Steel deck shall be cold rolled, structural quality steel sheet conforming to CBC Section 2210 and the following specifications:

Finish	ASTM Specificaiton	Min. Yeild Stress, F_y (ksi)
Phosphatized/Painted, Painted/Painted, or Mill Finished steel deck	A1008	50
Galvanized steel deck	A653	50

2. Shop drawings for the fabrication of steel deck shall be submitted to Engineer of Record for their review, prior to fabrication. All steel decking must have a current ICC certification.

3. All deck side locks shall be compatible.

4. Steel deck shall have a prime painted finish, unless noted otherwise.

5. Steel deck sheets shall be continuous over a minimum of 3 supports (2 spans).
A. Steel roof deck sheets shall be continuous over a minimum or 4 supports (3 spans).

6. Minimum bearing of decking on supports shall be 2-inches, parallel or perpendicular to span. Provide 2-inch bearing and required fastening for each unit at shared supports, unless detailed otherwise.

7. Steel deck shall be erected and fastened in accordance with the Manufacturer's Specifications and erection layout, as well as requirements set forth in these Structural Drawings.

8. No holes shall be cut into steel deck unless noted or detailed otherwise.

9. Weld metal shall penetrate all layers of deck material at each end and side joints and have good fusion to the supporting members.

10. Electrodes shall be E70 with a minimum size of ⅛".

11. Welding of structural sheet steel, welder qualification requirements, welding procedures and welding electrodes shall conform to CBC Section 2210 and AWS D1.3.

12. Continuous inspection is required for steel deck welding.

13. Galvanizing shall conform to ASTM A924.

14. Steel roof deck shall be of depth shown on the structural drawings. The AISI specifications shall govern the design of the deck units. Steel deck and all of its flashings shall conform to to ASTM A653. A metal protective coating of ASTM653-G60 conforming zinc shall be applied prior to being formed.

15. Non-composite units shall be fastened to the steel supports at the ends of the units and at intermediate supports by a minimum of four ¾-inch diameter puddle welds (½-inch effective) per 2'-0" of width; at the abutment of two units, each unit shall be fastened as so. The side laps of adjacent units are fastened between supports by 1½-inch top seam welding at 1'-0" on center unless noted otherwise. Deck units shall be fastened to the steel supports at the side boundaries by ¾-inch diameter puddle welds (½-inch effective) at 1'-6" on center. Contractor may submit calculations and current ICC reports for use of powder actuated fasteners or pneumatic pins provided the values of shear capacity, deck capacity, and deck flexibility are equivalent.

16. Where steel members are parallel to the deck flutes and at the same elevation of the bottom of the deck, deck layout shall be adjusted so the deck is welded to the steel with the same welding as required for side boundaries.

17. Steel deck that is to be covered with insulating concrete shall be slotted or perforated to provided a minimum of 1.5 percent uniformly distributed venting. Flashing and closure plates at all perimeter locations requiring closure shall be provided. The deck insulation, when complete, shall be ready to receive insulating concrete.

18. The maximum dead load deflection allowed is ⅜-inch or L/180, whichever is smaller.

19. Concrete bonding-type units shall be formed with deformations to provide an interlock between the concrete and steel.

20. Units shall be fastened to the steel supports at each end of the units and at intermediate supports at 12 inches on center with ⅜-inch diameter puddle welds; at the abutment of two units, each unit shall be fastened to the steel framing as so. The sidelaps of adjacent units shall be fastened between supports by 1½-inch top seam welds at 2'-0" on center or button punched at 2'-0" on center. Deck units shall be fastened to the steel supports at the side boundaries by ¾-inch diameter puddle welds at 1'-0" on center. ⅜-inch diameter shear studs welded through deck may be used in place of closure plates at wall ends of all units, around columns, and at all perimeter locations requiring closure.

21. The contractor shall check all decking conditions to determine if the decking has the strength and stiffness required to support construction loads. It is the contractor's responsibility to determine if deck shoring is required. This includes shoring of slab edge conditions. At the contractor's option and expense, the deck gage may be increased if beneficial for construction.

22. Design and provide edge forms, flashing, closure plates and incidental support at wall edges for all deck units, around columns and at all perimeter locations requiring closure. Coordinate all closured with elevator, stair and other architectural details. Composite deck installation shall be ready to receive concrete at shown on the drawings without leaking.

23. Concrete shall not be placed over metal deck until column anchor bolts have been grouted.

24. Concrete topping slab shall not be placed until concrete fill on steel deck required for composite action reached 28 day compressive strength.

25. The use of lifts on composite deck may cause delamination between the concrete and the deck. The contractor shall be responsible to confirm no delamination occurs from construction loads.

****30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-787-0326 | www.mnsengineers.com

DESIGNED:
DRAWN:
CHECKED:
QA/QC:
CONSTRUCTABILITY:

REGISTERED PROFESSIONAL ENGINEER
MICHAEL E. PAROLINI
No. 5405
STRUCTURAL
STATE OF CALIFORNIA

MICHAEL E. PAROLINI
PROJECT ENGINEER:
S5405

05.08.2025
DATE

BUEHLER
811 EL CAPITAN WAY, SUITE 240
SAN LUIS OBISPO, CA 93401
916 778 0084

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

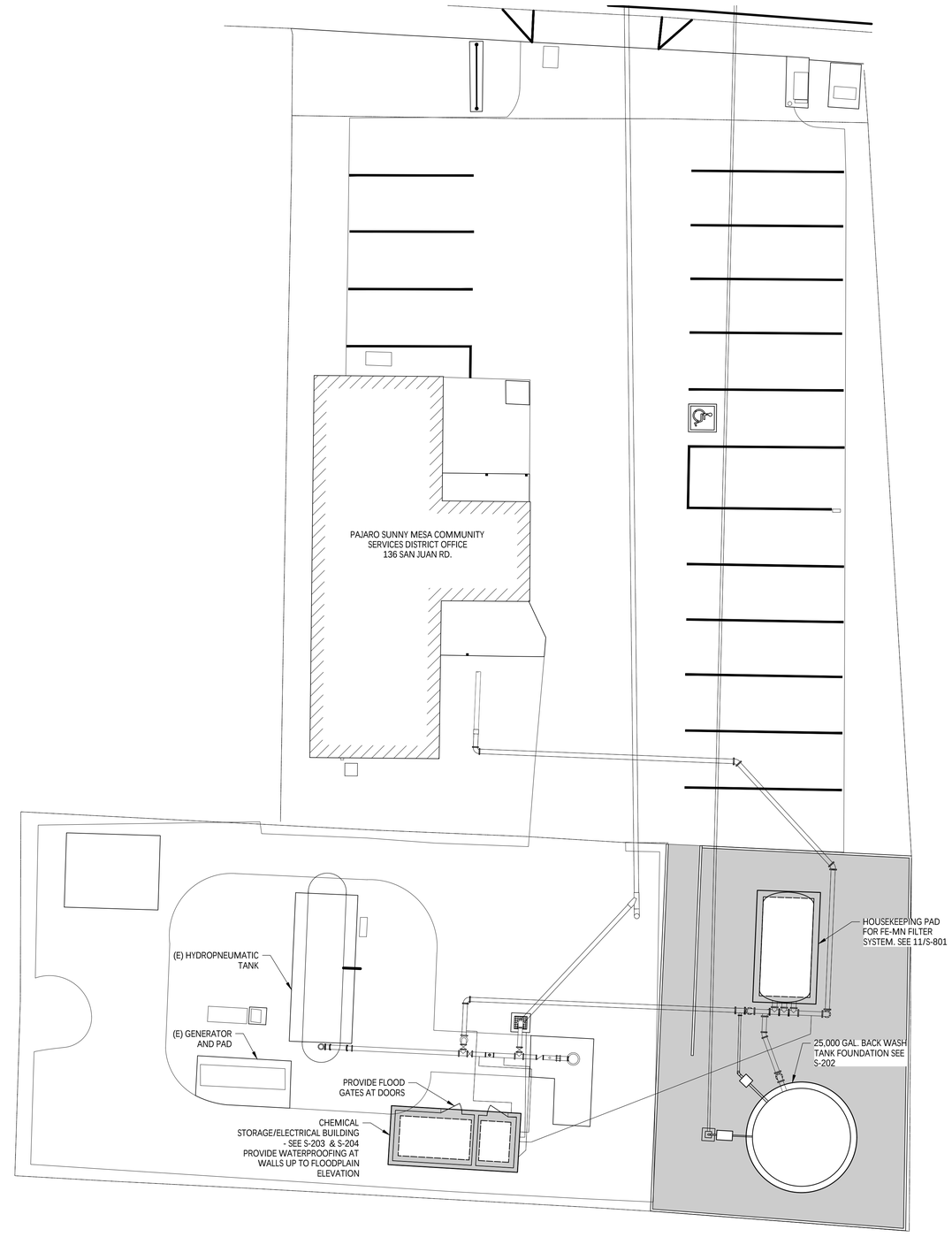
STRUCTURAL NOTES

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
S-002

SHEET NUMBER
133 OF 154

F:\2025-000\000\03 BIM\06 CAD\S-101.dwg
Wed 25 Aug 25 04:20:01 PM By: Joseph Klimczyk



STRUCTURAL SITE PLAN

SCALE: 1" = 10'

(VERIFY ALL DIMENSIONS WITH EXISTING CONDITIONS)

****30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-787-0326 | www.mnsengineers.com

DESIGNED:
DRAWN:
CHECKED:
QA/QC:
CONSTRUCTABILITY:

REGISTERED PROFESSIONAL ENGINEER
MICHAEL E. PAROLINI
No. 5405
STRUCTURAL
STATE OF CALIFORNIA

MICHAEL E. PAROLINI
PROJECT ENGINEER:
S5405

05.08.2025
DATE

BUEHLER
811 EL CAPITAN WAY, SUITE 240
SAN LUIS OBISPO, CA 93401
916 778 0084

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

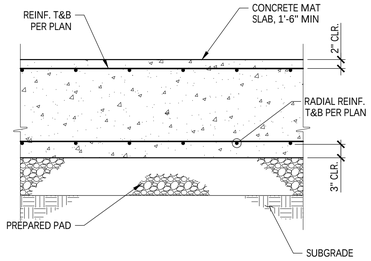
PAJARO WELL No. 1 TREATMENT PLANT STRUCTURAL SITE PLAN

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
S-201

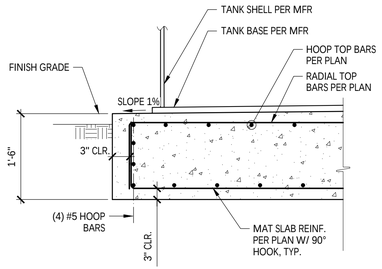
SHEET NUMBER
134 OF **154**

Wed 20 Aug 25, 04:30:03 PM by: Joseph Kimcya F:\2025-0000\0003 BMW\DETAILS\S-201.dwg



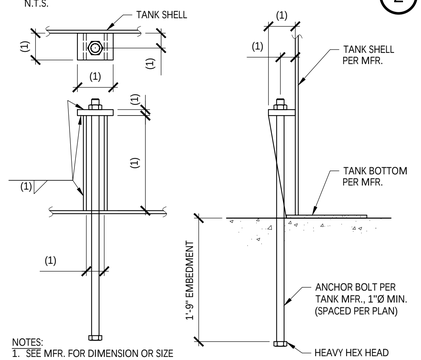
MAT SLAB SECTION 1

N.T.S.



SECTION AT EDGE OF MAT 2

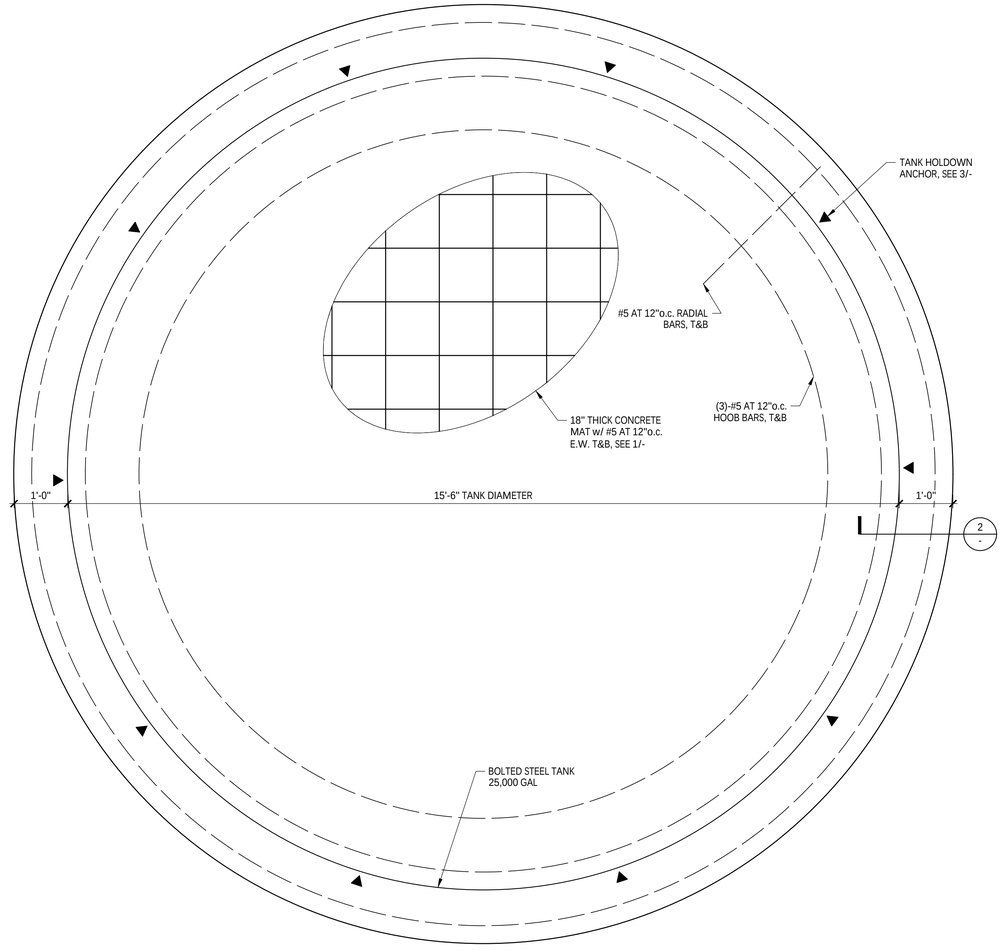
N.T.S.



NOTES:
1. SEE MFR. FOR DIMENSION OR SIZE

ANCHOR BOLT DETAIL 3

N.T.S.



TANK FOUNDATION PLAN

SCALE: 3/4" = 1'-0"

(VERIFY ALL DIMENSIONS WITH EXISTING CONDITIONS)

FOUNDATION NOTES:

1. SEE SOILS REPORT FOR TYPICAL PAD PREPARATION
2. STAGGER REINFORCING SPLICES IN MAT FOUNDATION
3. SEE S-801 FOR TYPICAL CONCRETE DETAILS

****30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-787-0326 | www.mnsengineers.com

DESIGNED:
DRAWN:
CHECKED:
QA/QC:
CONSTRUCTABILITY:

REGISTERED PROFESSIONAL ENGINEER — MICHAEL E. PAROLINI — No. 5405 — STRUCTURAL — STATE OF CALIFORNIA

MICHAEL E. PAROLINI
PROJECT ENGINEER:
S5405

05.08.2025
DATE

BUEHLER
811 EL CAPITAN WAY, SUITE 240
SAN LUIS OBISPO, CA 93401
916 778 0084

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

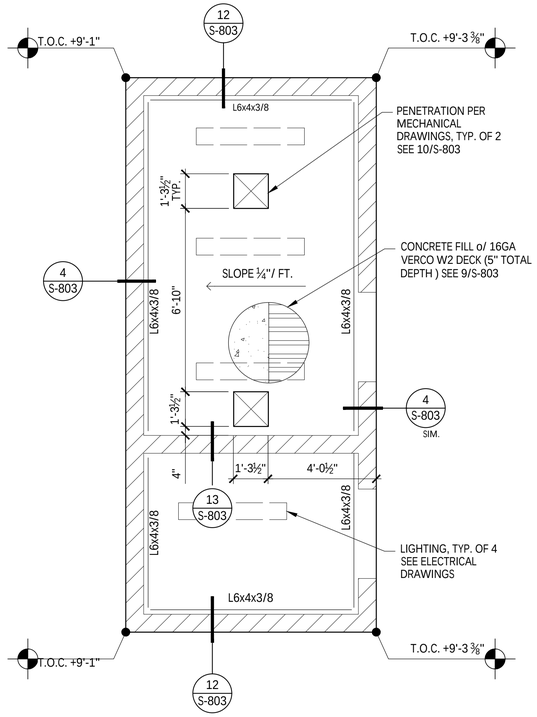
PAJARO WELL No. 1 TREATMENT PLANT TANK FOUNDATION PLAN & DETAILS

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
S-202

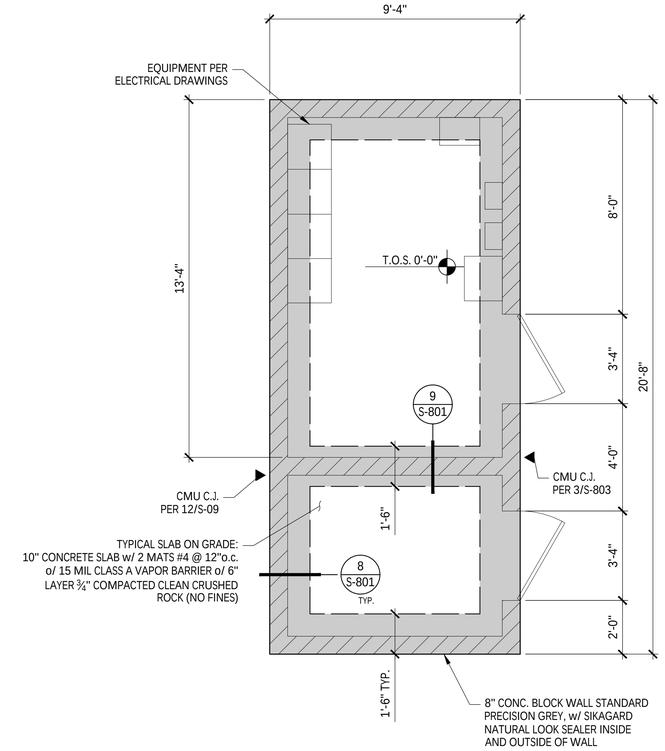
SHEET NUMBER
135 OF 154

Wed 20 Aug 25 04:19:57 PM by: Joseph Klimczyk F:\2025-0060000\03-BM\06-CAD\S-202.dwg



ROOF PLAN

SCALE: 3/8" = 1'-0"

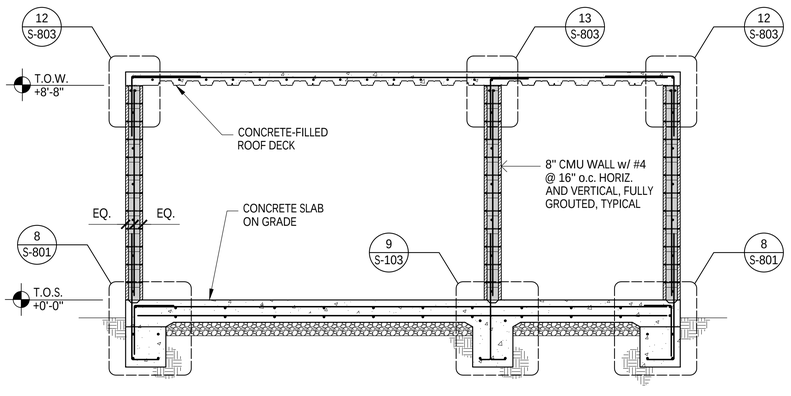


FOUNDATION PLAN

SCALE: 3/8" = 1'-0"

PLAN NOTES:

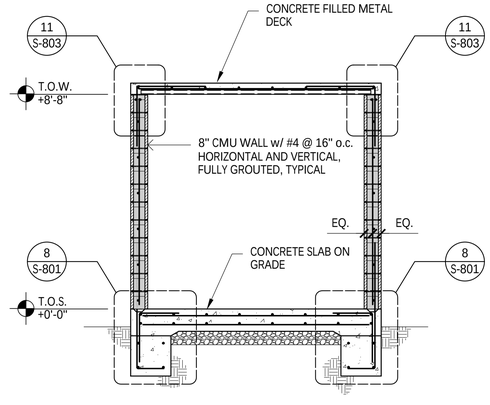
1. SEE CIVIL DRAWINGS FOR ELEVATIONS
2. SEE 10/S-801 FOR FOUNDATION PREPARATION
3. SEE S-803 FOR TYPICAL CMU DETAILS
4. SEE 8/S-803 FOR DOOR SPECIFICATION



SECTION

3/8" = 1'-0"

2



SECTION

3/8" = 1'-0"

1

****30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-787-0326 | www.mnsengineers.com

DESIGNED:
DRAWN:
CHECKED:
QA/QC:
CONSTRUCTABILITY:

REGISTERED PROFESSIONAL ENGINEER — MICHAEL E. PAROLINI — No. 5405 — STRUCTURAL — STATE OF CALIFORNIA

MICHAEL E. PAROLINI
PROJECT ENGINEER:
S5405

05.08.2025
DATE

BUEHLER
811 EL CAPITAN WAY, SUITE 240
SAN LUIS OBISPO, CA 93401
916 778 0084

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

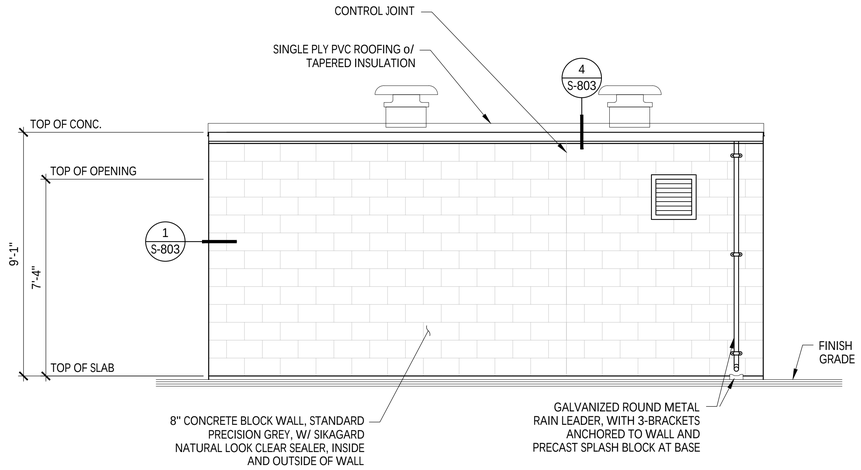
PAJARO WELL No. 1 TREATMENT PLANT FOUNDATION PLAN & ROOF FRAMING PLAN

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
S-203

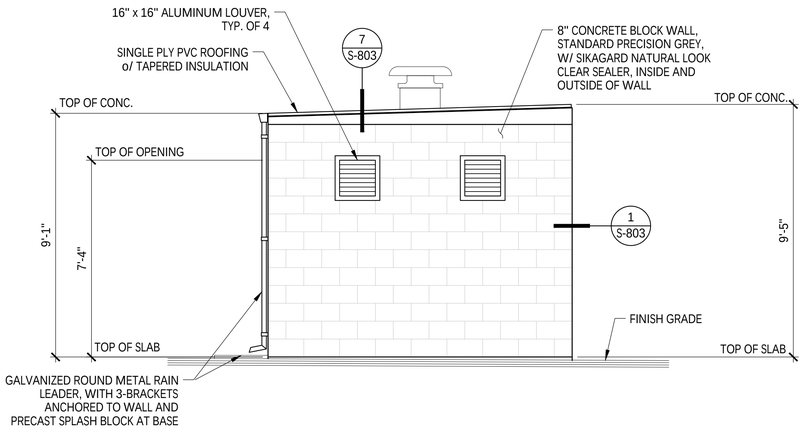
SHEET NUMBER
136 OF 154

F:\2025-0060\0003-BIM\06-CAD\S-203.dwg
Wed 20 Aug 25, 04:30:06 PM By: Joseph Klimcyk



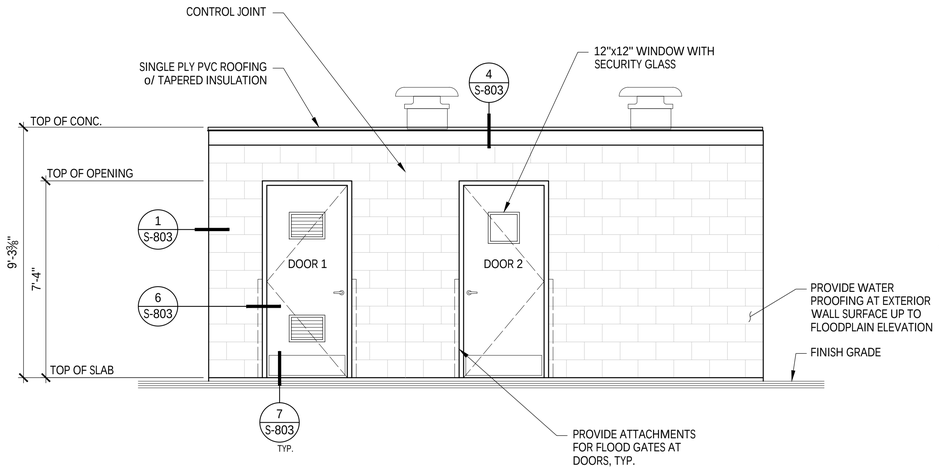
WEST ELEVATION (W)

3/8" = 1'-0"



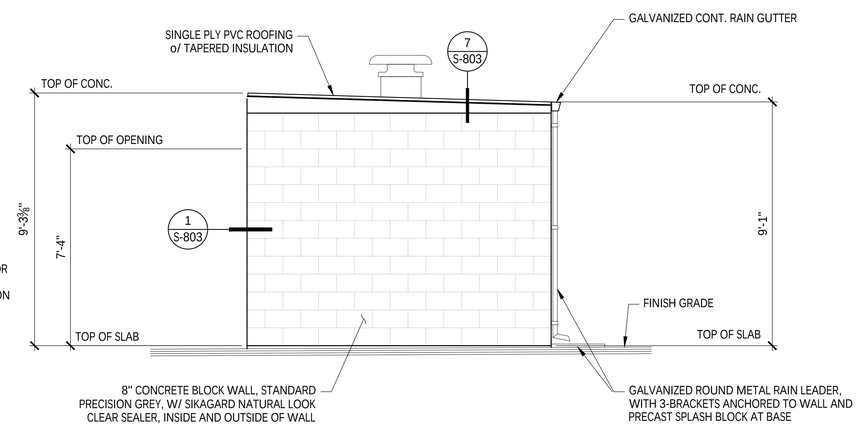
SOUTH ELEVATION (S)

3/8" = 1'-0"



EAST ELEVATION (E)

3/8" = 1'-0"



NORTH ELEVATION (N)

3/8" = 1'-0"

****30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-787-0326 | www.mnsengineers.com

DESIGNED:
DRAWN:
CHECKED:
QA/QC:
CONSTRUCTABILITY:

REGISTERED PROFESSIONAL ENGINEER — MICHAEL E. PAROLINI — No. 5405 — STRUCTURAL — STATE OF CALIFORNIA

MICHAEL E. PAROLINI
PROJECT ENGINEER:
S5405

05.08.2025
DATE

BUEHLER
811 EL CAPITAN WAY, SUITE 240
SAN LUIS OBISPO, CA 93401
916 778 0084

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

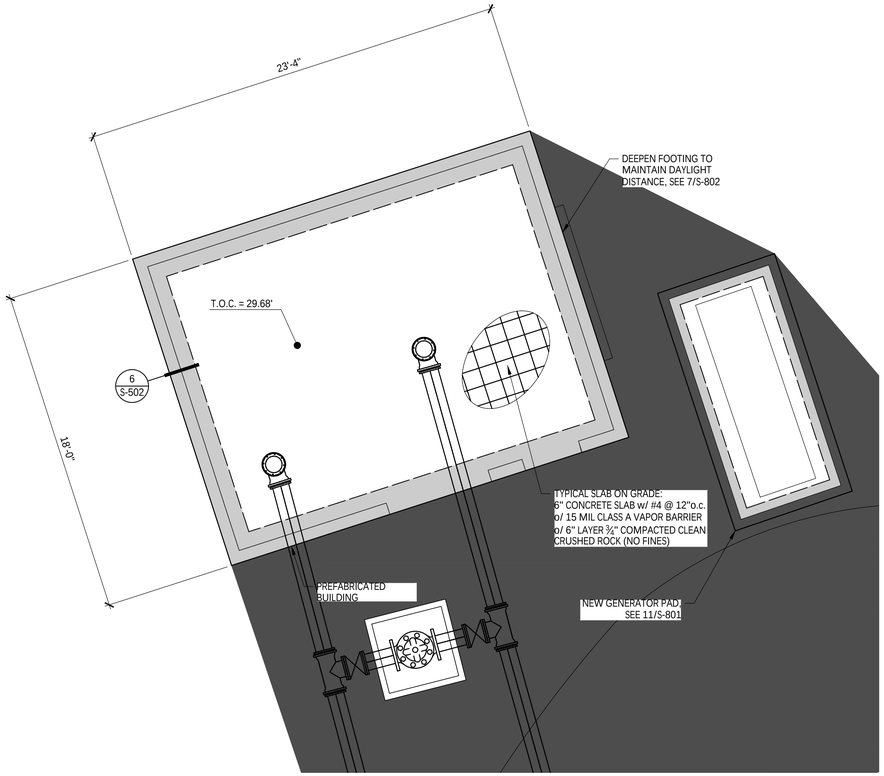
PAJARO WELL No. 1 TREATMENT PLANT ELEVATIONS

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
S-204

SHEET NUMBER
137 OF 154

Wed 20 Aug 25, 04:27:52 PM By: Joseph Klimcyk
F:\2025-000\000203-18\MXD\C-CADS-204.dwg



TRANSMISSION BOOSTER PUMP FOUNDATION PLAN

SCALE: 1/4" = 1'-0"

(VERIFY ALL DIMENSIONS WITH EXISTING CONDITIONS)

PLAN NOTES:

1. SEE CIVIL DRAWINGS FOR ELEVATIONS
2. SEE 10/S-801 FOR FOUNDATION PREPARATION
3. SEE S-803 FOR TYPICAL CMU DETAILS
4. SEE 8/S-803 FOR DOOR SPECIFICATION
5. SEE 7/S-802 FOR FOOTING DAYLIGHT REQUIREMENT

****30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-787-0326 | www.mnsengineers.com

DESIGNED:
DRAWN:
CHECKED:
QA/QC:
CONSTRUCTABILITY:

REGISTERED PROFESSIONAL ENGINEER
MICHAEL E. PAROLINI
No. 5405
STRUCTURAL
STATE OF CALIFORNIA

MICHAEL E. PAROLINI
PROJECT ENGINEER:
S5405

05.08.2025
DATE

BUEHLER
811 EL CAPITAN WAY, SUITE 240
SAN LUIS OBISPO, CA 93401
916 778 0084

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

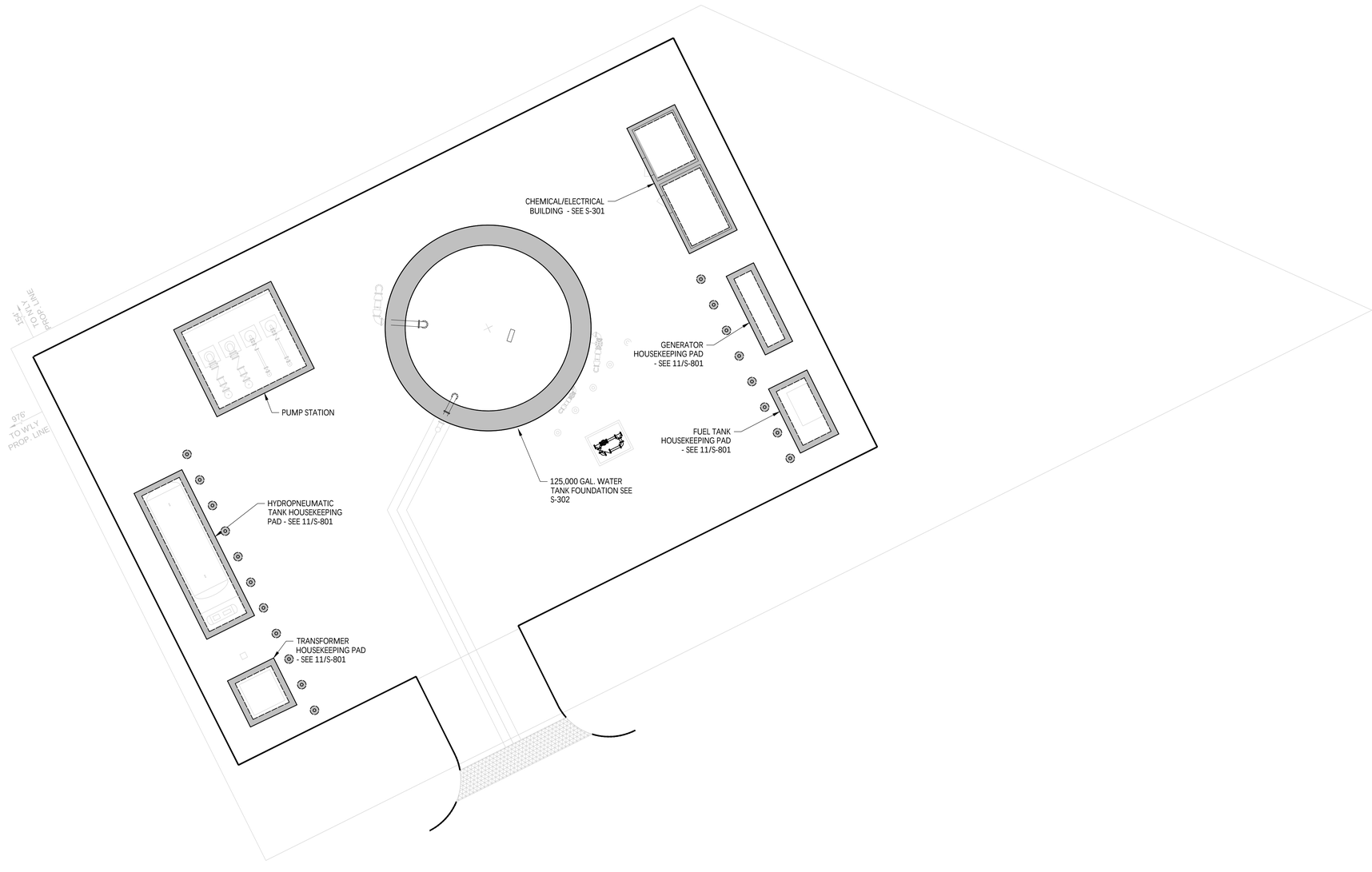
TRANSMISSION BOOSTER PUMP STATION FOUNDATION PLAN

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
S-401

SHEET NUMBER
138 OF 154

Wed 20 Aug 25 04:21:10 PM Pp Joseph Kilmcyk
F:\2025-000\000003-18\MXD\C-CAD\S-401.dwg



STRUCTURAL SITE PLAN

SCALE: 1" = 10'

(VERIFY ALL DIMENSIONS WITH EXISTING CONDITIONS)

****30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-787-0326 | www.mnsengineers.com

DESIGNED:
DRAWN:
CHECKED:
QA/QC:
CONSTRUCTABILITY:

REGISTERED PROFESSIONAL ENGINEER
MICHAEL E. PAROLINI
No. 5405
STRUCTURAL
STATE OF CALIFORNIA

MICHAEL E. PAROLINI
PROJECT ENGINEER:
S5405

05.08.2025
DATE

BUEHLER
811 EL CAPITAN WAY, SUITE 240
SAN LUIS OBISPO, CA 93401
916 778 0084

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

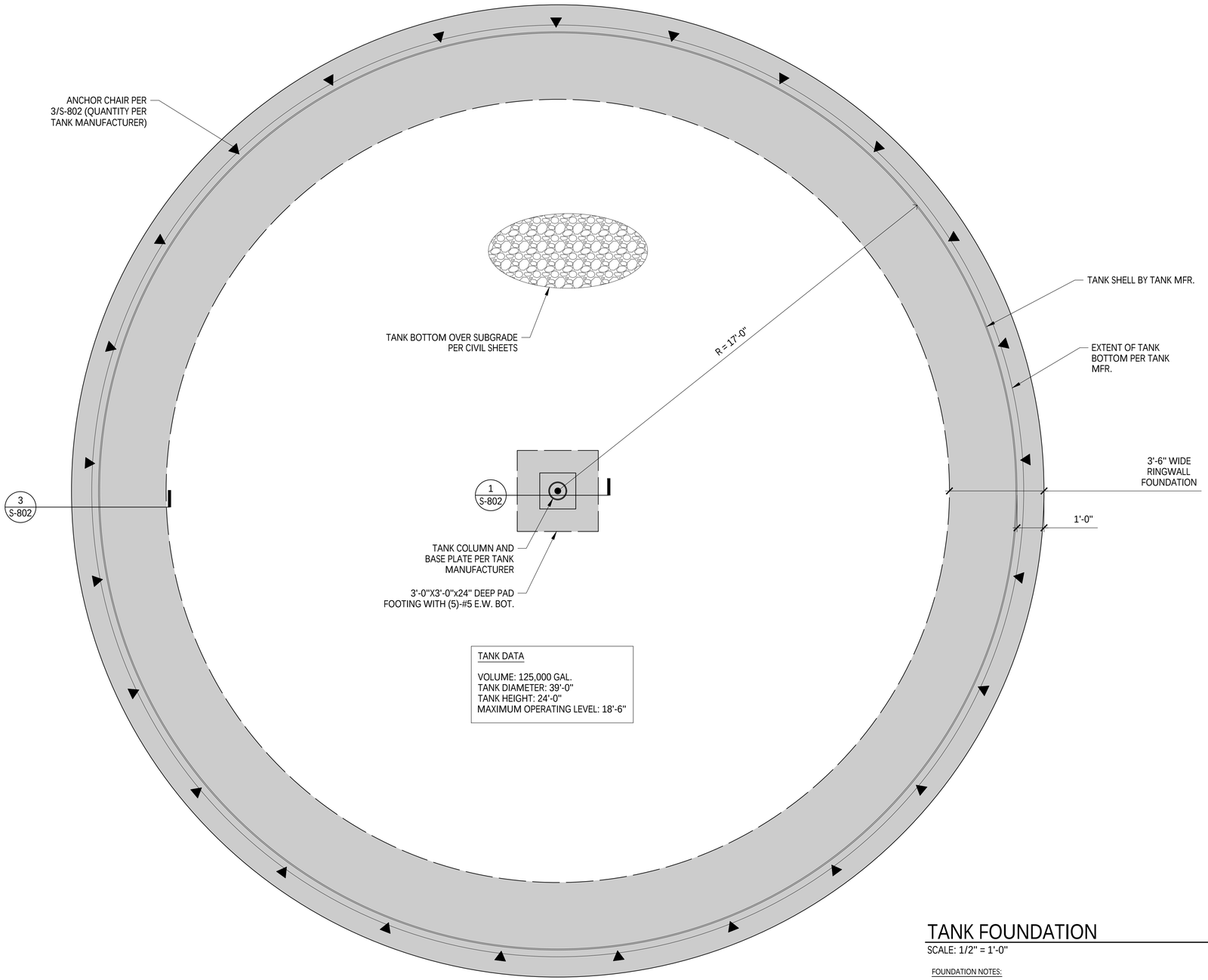
BLUFF/JENSEN PUMP STATION
STRUCTURAL SITE PLAN

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
S-501

SHEET NUMBER
139 OF **154**

Wed 20 Aug 25 04:42:10 PM By: JosephR F:\2025-05000\003-BM06\CAD\S-501.dwg



TANK DATA

VOLUME: 125,000 GAL.
TANK DIAMETER: 39'-0"
TANK HEIGHT: 24'-0"
MAXIMUM OPERATING LEVEL: 18'-6"

TANK FOUNDATION

SCALE: 1/2" = 1'-0"

(VERIFY ALL DIMENSIONS WITH CIVIL DRAWINGS)

FOUNDATION NOTES:

1. SEE SOILS REPORT FOR TYPICAL PAD PREPARATION
2. STAGGER REINFORCING SPLICES PER 5/S-802
3. SEE S-801 FOR TYPICAL CONCRETE DETAILS

****30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-787-0326 | www.mnsengineers.com

DESIGNED:
DRAWN:
CHECKED:
QA/QC:
CONSTRUCTABILITY:

REGISTERED PROFESSIONAL ENGINEER MICHAEL E. PAROLINI No. 5405 STRUCTURAL STATE OF CALIFORNIA

MICHAEL E. PAROLINI
PROJECT ENGINEER:
S5405

05.08.2025
DATE

BUEHLER
811 EL CAPITAN WAY, SUITE 240
SAN LUIS OBISPO, CA 93401
916 778 0084

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

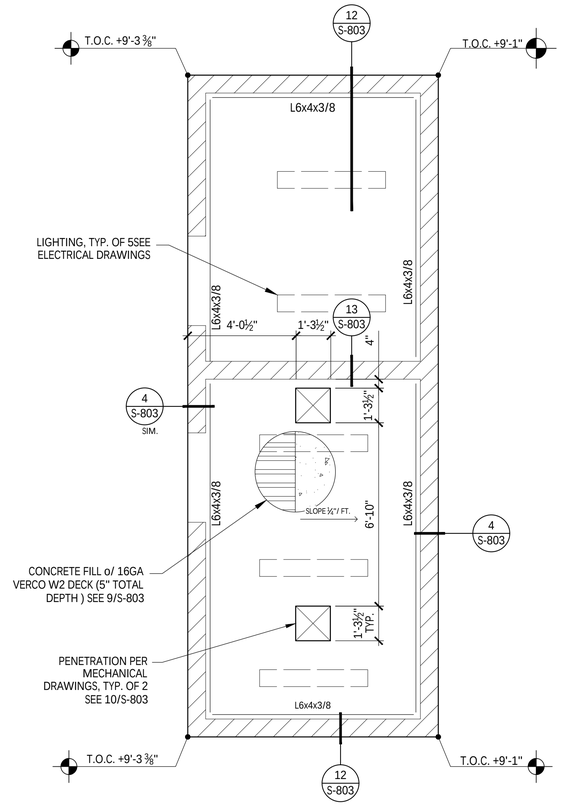
BLUFF/JENSEN PUMP STATION TANK FOUNDATION PLAN

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
S-502

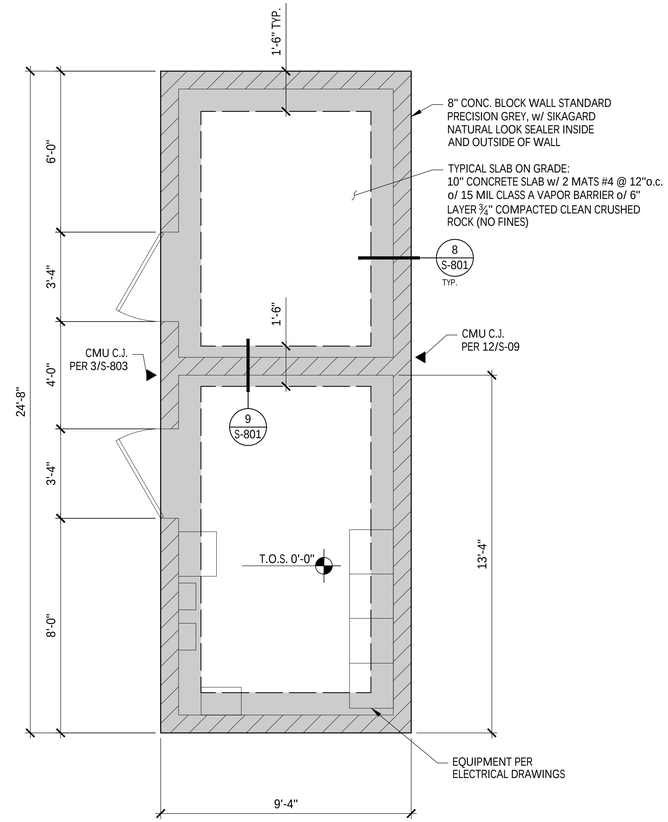
SHEET NUMBER
140 OF **154**

F:\2025-000000\03-BIM\06-CAD\S-502.dwg
Wed 20 Aug 25 04:42:09 PM by Joseph Kirincich



ROOF PLAN

SCALE: 3/8" = 1'-0"

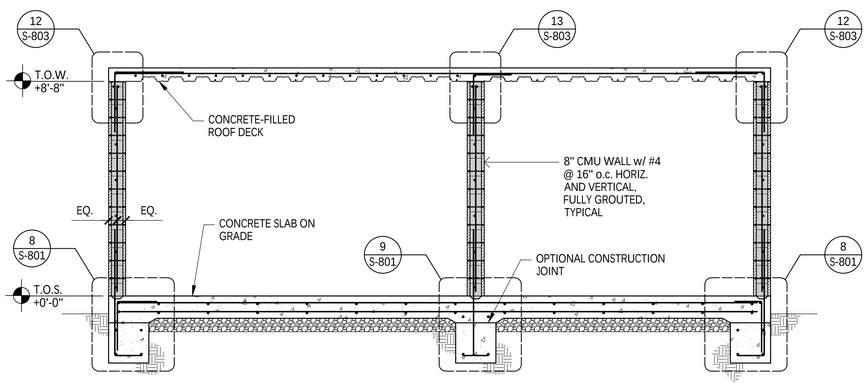


FOUNDATION PLAN

SCALE: 3/8" = 1'-0"

PLAN NOTES:

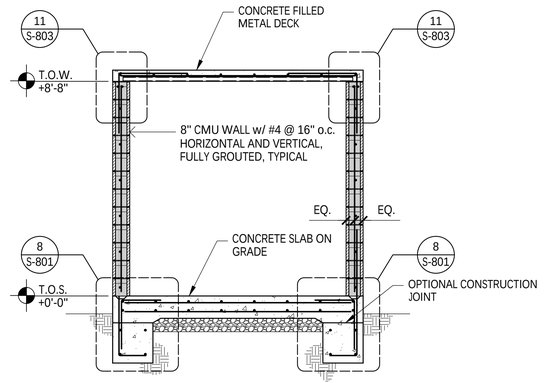
1. SEE CIVIL DRAWINGS FOR ELEVATIONS
2. SEE 10/S-801 FOR FOUNDATION PREPARATION
3. SEE S-803 FOR TYPICAL CMU DETAILS
4. SEE 8/S-803 FOR DOOR SPECIFICATION



SECTION

3/8" = 1'-0"

2



SECTION

3/8" = 1'-0"

1

****30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-787-0326 | www.mnsengineers.com

DESIGNED:
DRAWN:
CHECKED:
QA/QC:
CONSTRUCTABILITY:

REGISTERED PROFESSIONAL ENGINEER
MICHAEL E. PAROLINI
No. 5405
STRUCTURAL
STATE OF CALIFORNIA

MICHAEL E. PAROLINI
PROJECT ENGINEER:
S5405

05.08.2025
DATE

BUEHLER
811 EL CAPITAN WAY, SUITE 240
SAN LUIS OBISPO, CA 93401
916 778 0084

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

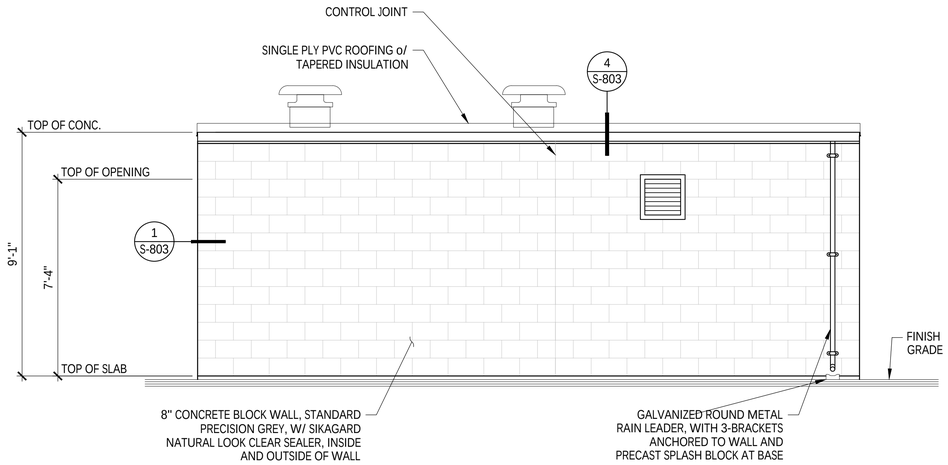
BLUFF/JENSEN PUMP STATION
FOUNDATION PLAN & ROOF FRAMING PLAN

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
S-503

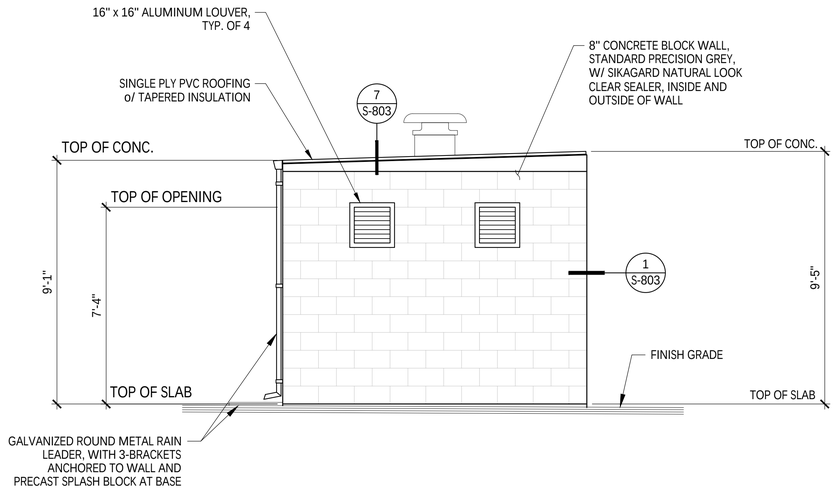
SHEET NUMBER
141 OF **154**

F:\2025-000000\03-BIM\06-CAD\S-503.dwg
Wed 20 Aug 25 04:36:50 PM by: JosephKrivacek



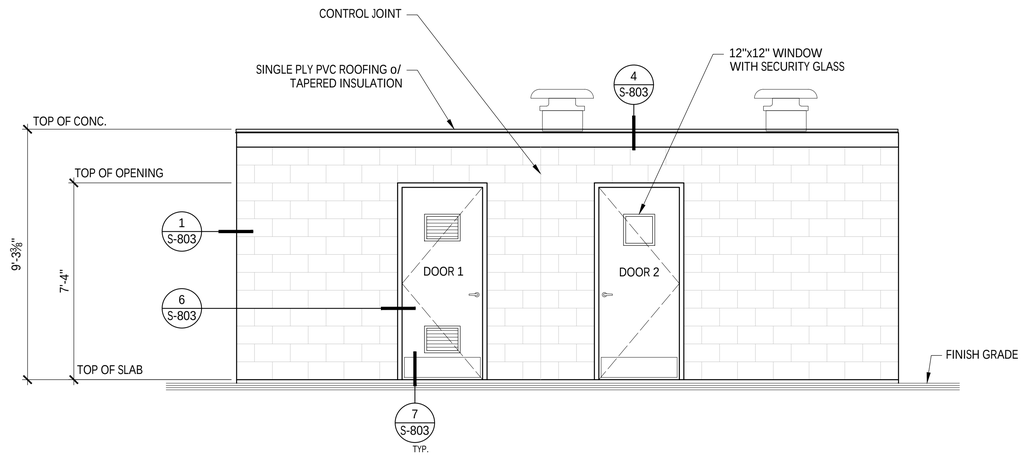
EAST ELEVATION (W)

3/8" = 1'-0"



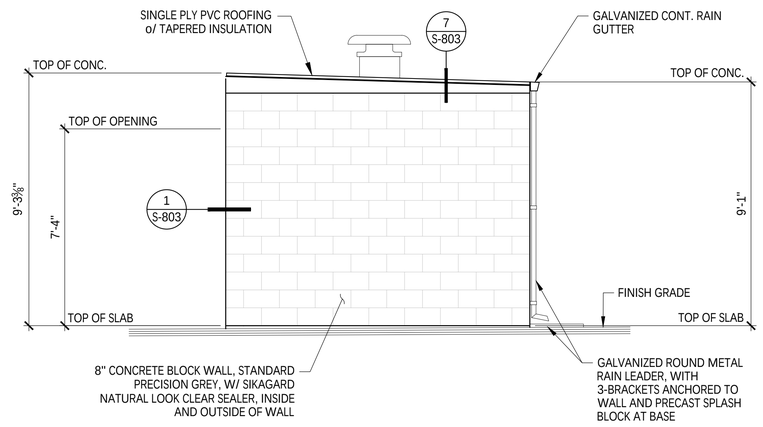
SOUTH ELEVATION (S)

3/8" = 1'-0"



WEST ELEVATION (E)

3/8" = 1'-0"



NORTH ELEVATION (N)

3/8" = 1'-0"

****30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-787-0326 | www.mnsengineers.com

DESIGNED:
DRAWN:
CHECKED:
QA/QC:
CONSTRUCTABILITY:

REGISTERED PROFESSIONAL ENGINEER — MICHAEL E. PAROLINI — No. 5405 — STRUCTURAL — STATE OF CALIFORNIA

MICHAEL E. PAROLINI
PROJECT ENGINEER:
S5405

05.08.2025
DATE

BUEHLER
811 EL CAPITAN WAY, SUITE 240
SAN LUIS OBISPO, CA 93401
916 778 0084

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

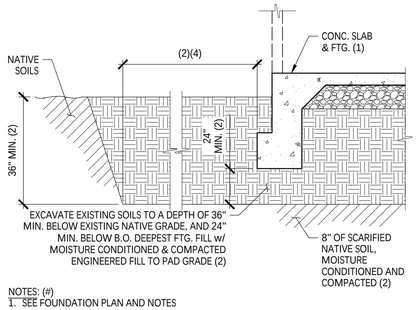
BLUFF/JENSEN PUMP STATION ELEVATIONS

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
S-504

SHEET NUMBER
142 OF 154

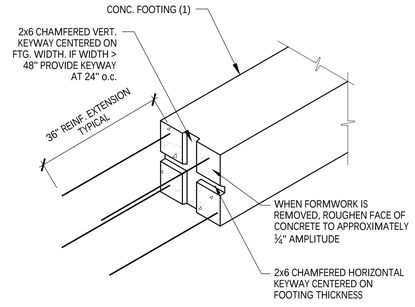
Wed 20 Aug 25, 04:39:16 PM by: Joseph Klimcyk
F:\2025-000\000203-18\WOD-CAD\S-504.dwg



NOTES: (#)
1. SEE FOUNDATION PLAN AND NOTES
2. REFER TO PROJECT SOILS REPORT
3. DETAIL IS APPLICABLE TO WATER STORAGE TANK, CMU BUILDING, PUMP STATION, HYDROPNEUMATIC TANK PAD, AND EQUIPMENT HOUSEKEEPING PADS
4. EXTEND EXCAVATION 5'-0" BEYOND OUTSIDE EDGE OF PROPOSED EXTERIOR FOOTINGS

FOUNDATION PAD PREP.

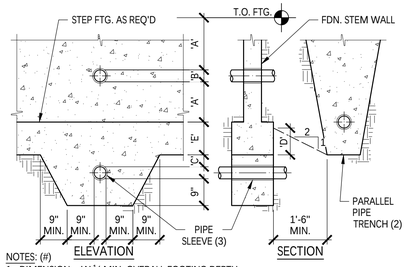
N.T.S. 10



NOTES:
1. SEE FOUNDATION PLAN AND NOTES

FOOTING POUR BREAK

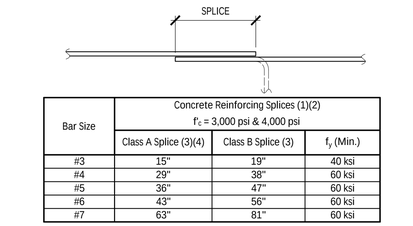
N.T.S. 7



NOTES: (#)
1. DIMENSION - 'A' ½ MIN. OVERALL FOOTING DEPTH
   'B' ½ MAX. OVERALL FOOTING DEPTH
   'C' 4" MIN.
   'D' 9" MIN.
   'E' NO PIPE TO BE PLACED IN THIS AREA
2. PIPE TRENCHES PARALLEL TO FOOTING NOT PERMITTED BETWEEN LINES ON EACH SIDE OF FOOTING
3. PVC OR EQUIVALENT PIPE SLEEVE, WITH ½" CLEAR ALL AROUND PIPE

PIPE THROUGH FOOTING

N.T.S. 4

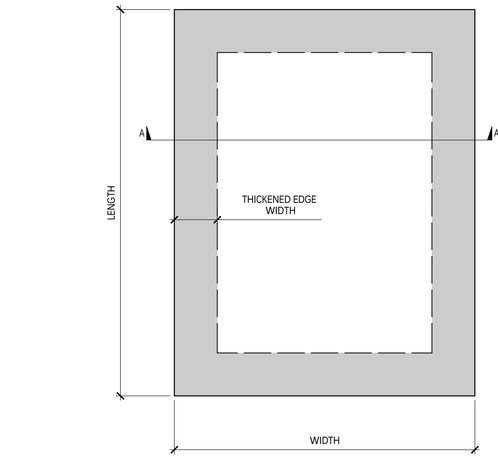


Bar Size	Concrete Reinforcing Splices (1)(2) f'_c = 3,000 psi & 4,000 psi		
	Class A Splice (3)(4)	Class B Splice (3)	f_y (Min.)
#3	15"	19"	40 ksi
#4	29"	38"	60 ksi
#5	36"	47"	60 ksi
#6	43"	56"	60 ksi
#7	63"	81"	60 ksi

NOTES: (#)
1. LAP LENGTHS LISTED APPLY TO ALL LOCATIONS: VERTICAL, HORIZONTAL, TOP, BOTTOM, AND SITE WALLS
2. WHERE BARS OF A DIFFERENT SIZE ARE LAPPED, THE LAP LENGTH SHALL BE THE LENGTH REQUIRED BY THE LARGER BAR
3. ALL SPLICES SHALL BE CONSIDERED CLASS B UNLESS SPECIFICALLY NOTED OTHERWISE
4. SPLICES OF SLAB ON GRADE REINFORCEMENT MAY UTILIZE CLASS A SPLICE LENGTHS

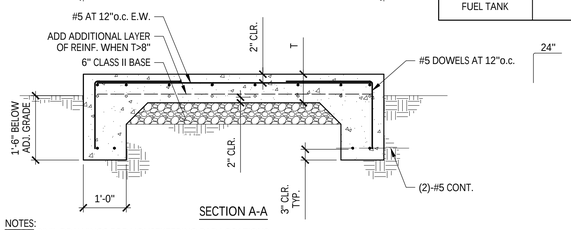
TYPICAL LAP SPLICES

N.T.S. 1



WELL SITE No. 1					
EQUIPMENT	EQUIP. WEIGHT	SLAB THICKNESS, T	PAD WIDTH	PAD LENGTH	REMARKS
FE/MN FILTER SYSTEM		12"	10'-0"	17'-8"	
STORAGE SHED		8"	14'-10"	11'-9"	

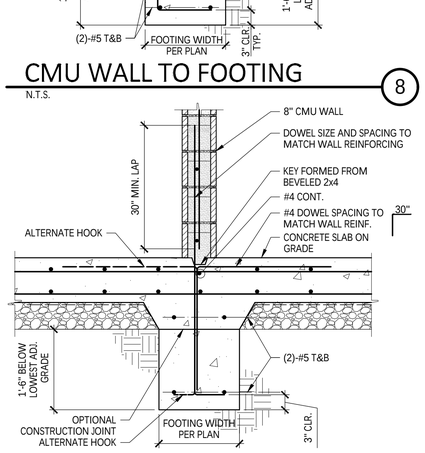
BLUFF/JENSEN PUMP STATION					
EQUIPMENT	EQUIP. WEIGHT	SLAB THICKNESS, T	PAD WIDTH	PAD LENGTH	REMARKS
HYDROPNEUMATIC TANK		15"	9'-4"	28'-6"	
GENERATOR		12"	5'-4"	15'-4"	
TRANSFORMER		8"	9'-0"	9'-0"	
BOOSTER PUMP STATION		12"	16'-0"	19'-0"	
FUEL TANK		12"	7'-6"	12'-6"	



NOTES:
1. SEE CIVIL DRAWINGS FOR HOUSEKEEPING PAD LOCATIONS
2. SEE 10/- FOR PAD PREP AT HOUSEKEEPING PADS

HOUSEKEEPING PAD

N.T.S. 11

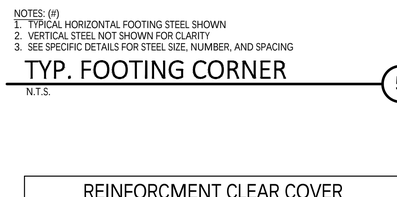


CMU WALL TO FOOTING

N.T.S. 8

CMU WALL TO FOOTING

N.T.S. 9



PLAN VIEW

NOTES: (#)
1. TYPICAL HORIZONTAL FOOTING STEEL SHOWN
2. VERTICAL STEEL NOT SHOWN FOR CLARITY
3. SEE SPECIFIC DETAILS FOR STEEL SIZE, NUMBER, AND SPACING

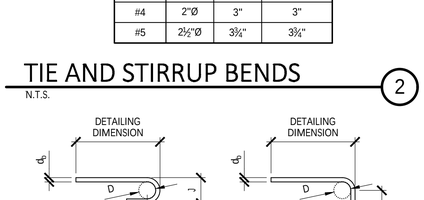
TYP. FOOTING CORNER

N.T.S. 5

REINFORCMENT CLEAR COVER		
USE	BAR SIZE	CLEAR COVER
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	#3 THROUGH #11	3"
FORMED CONCRETE EXPOSED TO EARTH OR WEATHER	#6 THROUGH #11	2"
	#5 AND SMALLER	1½"
WALLS	#11 AND SMALLER	¾"
BEAMS	#11 AND SMALLER	1½"
SLABS	#6 THROUGH #11	¾"
	#5 AND SMALLER	½"

TYPICAL CONCRETE COVER

N.T.S. 6



Bar Size	Dimension of Standard Bends		
	D	E	F ($6d_b$) [3" min.]
#3	1½"Ø	2¼"	3"
#4	2"Ø	3"	3"
#5	2½"Ø	3¾"	3¾"

TIE AND STIRRUP BENDS

N.T.S. 2

Bar Size	Dimension of Standard Hooks and Bends			
	D	J	B ($4d_b$) [2½" min.]	C ($12d_b$)
#3	1½"Ø	2¼"	2½"	4½"
#4	2"Ø	3"	2½"	6"
#5	2½"Ø	3¾"	2½"	7½"
#6	4½"Ø	6"	3"	9"
#7	5¼"Ø	7"	3½"	10½"
#8	6"Ø	8"	4"	12"
#9	9"Ø	11¼"	4½"	13½"
#10	10"Ø	12½"	5"	15"

REBAR HOOKS & BENDS

N.T.S. 3

****30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-787-0326 | www.mnsengineers.com

DESIGNED:
DRAWN:
CHECKED:
QA/QC:
CONSTRUCTABILITY:

REGISTERED PROFESSIONAL ENGINEER MICHAEL E. PAROLINI No. 5405 STRUCTURAL STATE OF CALIFORNIA

MICHAEL E. PAROLINI
PROJECT ENGINEER:
S5405
05.08.2025
DATE

BUEHLER
811 EL CAPITAN WAY, SUITE 240
SAN LUIS OBISPO, CA 93401
916 778 0084

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

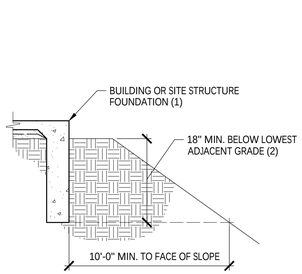
TYPICAL DETAILS

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
S-801

SHEET NUMBER
143 OF 154

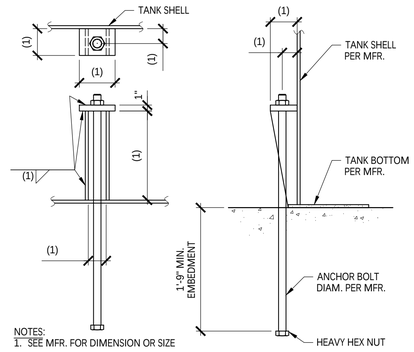
Wed 20 Aug 25 04:29:56 PM by: JosephKirkeyA F:\2025\00000003\18\MDB\C-CAD\S-801.dwg



NOTES: (#)
1. SEE FOUNDATION PLAN AND NOTES
2. REFER TO PROJECT SOILS REPORT

FOOTING ADJ. TO SLOPE 7

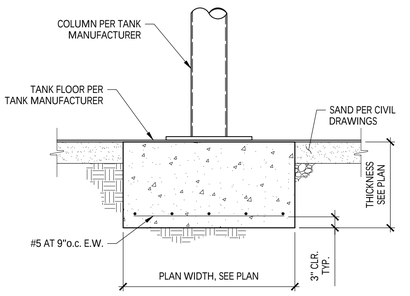
N.T.S.



NOTES:
1. SEE MFR. FOR DIMENSION OR SIZE

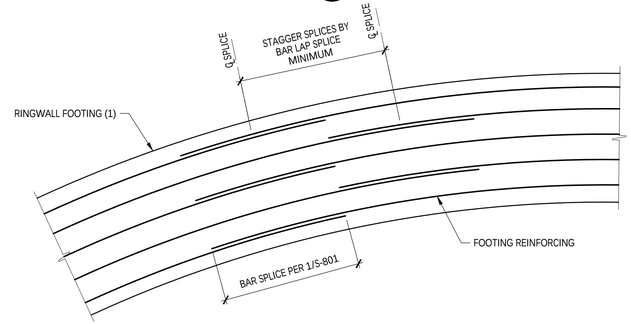
ANCHOR BOLT DETAIL 4

N.T.S.



FOOTING AT TANK COLUMN 1

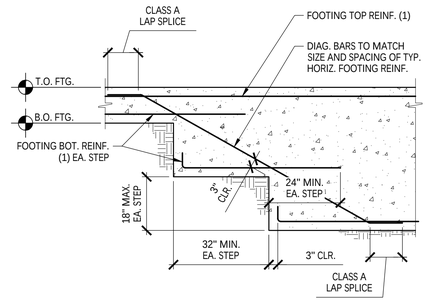
N.T.S.



NOTES: (#)
1. SEE FOUNDATION PLAN AND NOTES

FOOTING REINFORCING SPLICE 5

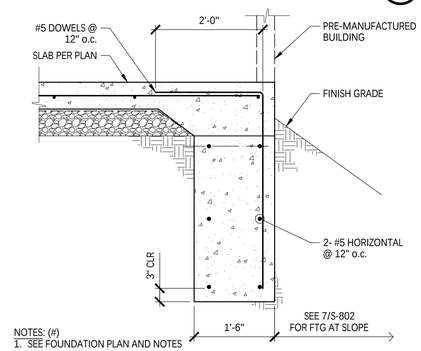
N.T.S.



NOTES: (#)
1. SEE FOUNDATION PLAN AND NOTES

STEPPED FOOTING 2

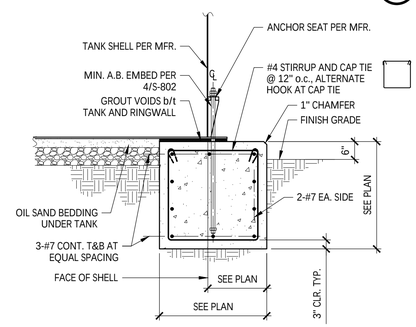
N.T.S.



NOTES: (#)
1. SEE FOUNDATION PLAN AND NOTES

BOOSTER PUMP FTG SECTION 6

N.T.S.



FOOTING SECTION 3

N.T.S.

****30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-787-0326 | www.mnsengineers.com

DESIGNED:
DRAWN:
CHECKED:
QA/QC:
CONSTRUCTABILITY:

REGISTERED PROFESSIONAL ENGINEER — MICHAEL E. PAROLINI — No. 5405 — STRUCTURAL — STATE OF CALIFORNIA

MICHAEL E. PAROLINI
PROJECT ENGINEER:
S5405
05.08.2025
DATE

BUEHLER
811 EL CAPITAN WAY, SUITE 240
SAN LUIS OBISPO, CA 93401
916 778 0084

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

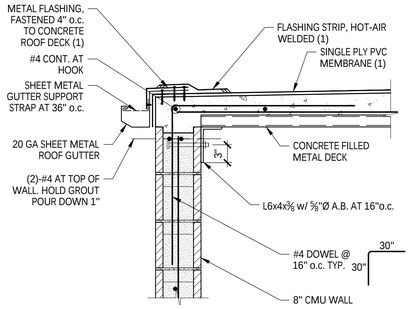
TYPICAL TANK & BOOSTER PUMP FOUNDATION DETAILS

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
S-803

SHEET NUMBER
144 OF 154

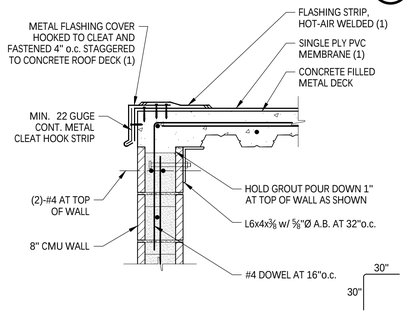
Wed 20 Aug 25 04:23:44 PM by: JosephKirkeyA F:\2025-000000003\18\456-CAD\S-802.dwg



NOTES: (#)
1. INSTALL PER MANUFACTURER'S INSTRUCTIONS, SPECIFICATIONS AND APPLICABLE DETAILS

DECK TO WALL 11

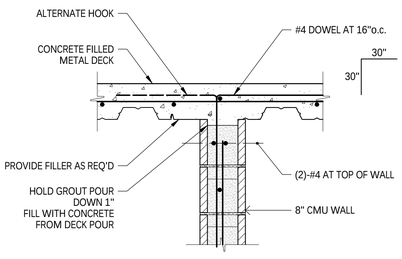
N.T.S.



NOTES: (#)
1. INSTALL PER MANUFACTURER'S INSTRUCTIONS, SPECIFICATIONS AND APPLICABLE DETAILS

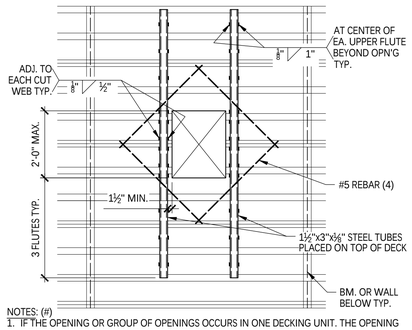
DECK TO WALL 12

N.T.S.



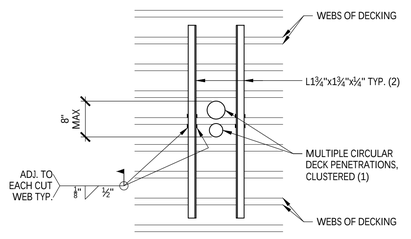
DECK TO WALL 13

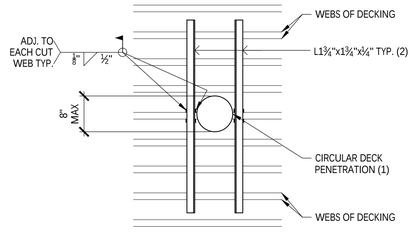
N.T.S.



NOTES: (#)
1. IF THE OPENING OR GROUP OF OPENINGS OCCURS IN ONE DECKING UNIT. THE OPENING OR OPENING GROUP MAY BE CUT PRIOR TO POURING OF CONCRETE.
2. IF, AS SHOWN ON DETAIL ABOVE, THE OPENING OR OPENING GROUP CUT THROUGH TWO DECKING UNITS, THE DECKING SHALL NOT BE CUT UNTIL CONCRETE HAS BEEN PLACED AND CURED AND MEETS 100% OF DESIGN STRENGTH.
3. AT THE TIME OF POURING, SUITABLE SLEEVES OR POUR-STOPS SHALL BE PLACED AROUND THE OPENING.
4. ADD REBAR AT CORNERS OF OPENING.
5. WHEN THE MAXIMUM DIMENSION OF AN OPENING OR OPENING GROUP EXCEEDS 24", PLACE HEADER BEAM AROUND OPENING PER PLAN

LARGER HOLES AND RECTANGULAR HOLES



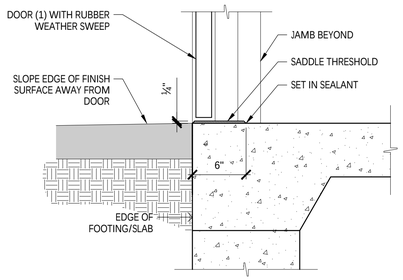


HOLES CUTTING NO MORE THAN TWO ADJACENT WEBS

NOTES: (#)
1. TWO ADJACENT WEB OPENING IS DEFINED AS A 6" MAX HOLE AT 1½" DECK AND 12" MAX, HOLE AT 2" AND 3" DECK TYP.
2. ANGLES SHALL BE PLACED ON TOP OF DECK AND EXTEND 3 WEBS PAST THE DECK OPENING

TYP. OPENING IN METAL DECK 10

N.T.S.



NOTES: (#)
1. SEE 8/S-803 FOR DOOR SPECIFICATIONS

DOOR THRESHOLD 7

N.T.S.

EXTERIOR DOOR SPECIFICATIONS:
DOOR 1:

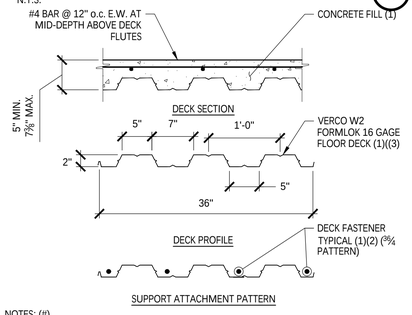
HARDWARE GROUP NO. 01
1. FRP DOOR w/ FRP DOOR FRAME
2. 16" x 12" STEEL LOUVER TOP AND BOTTOM
3. FULL MORTISE HINGES
4. FIRE EXIT HARDWARE
5. RIM CYLINDER
6. FSIC CORE
7. SURFACE MOUNT CLOSER
8. KICK PLATE EACH SIDE
9. RAIN DRIP
10. GASKETING
11. 36" DOOR SWEEP
12. SADDLE THRESHOLD

EXTERIOR DOOR SPECIFICATIONS:
DOOR 2:

HARDWARE GROUP NO. 01
1. FRP DOOR w/ FRP DOOR FRAME
2. 12" x 12" WINDOW WITH SECURITY GLASS TOP
3. FULL MORTISE HINGES
4. FIRE EXIT HARDWARE
5. RIM CYLINDER
6. FSIC CORE
7. SURFACE MOUNT CLOSER
8. KICK PLATE EACH SIDE
9. RAIN DRIP
10. GASKETING
11. 36" DOOR SWEEP
12. SADDLE THRESHOLD

DOOR SPECIFICATIONS 8

N.T.S.

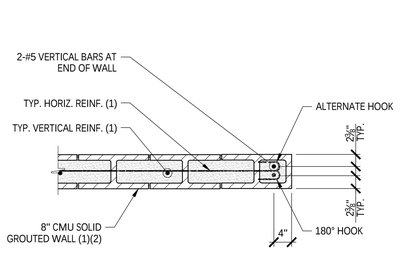


SUPPORT ATTACHMENT PATTERN

NOTES: (#)
1. SEE FRAMING PLAN AND NOTES
2. ½" EFFECTIVE DIAMETER ARC SPOT PUDDLE WELD
3. PROVIDE BUTTON PUNCHES AT SIDELAP CONNECTIONS @ 12" o.c. TYP.

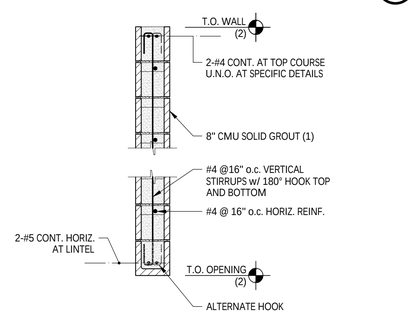
DECK PROFILE 9

N.T.S.



TYP. CMU JAMB - PLAN VIEW 4

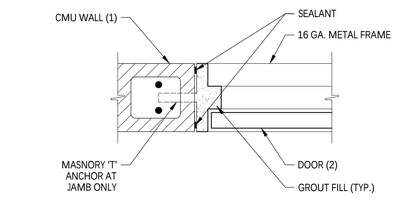
N.T.S.



NOTES: (#)
1. SEE FRAMING PLAN AND NOTES
2. SEE ELEVATIONS

TYP. CMU LINTEL 5

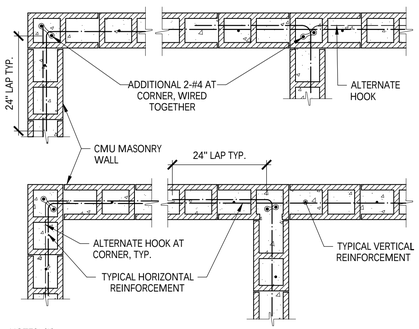
N.T.S.



NOTES: (#)
1. SEE PLANS AND NOTES
2. SEE 8/S-803 FOR DOOR SPECIFICATIONS

DOOR JAMB 6

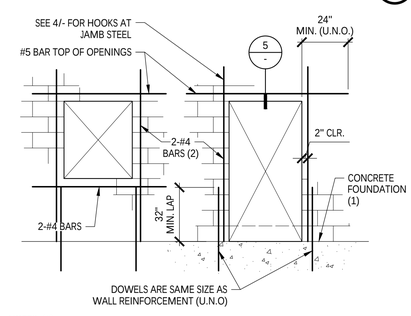
N.T.S.



NOTES: (#)
1. SEE FOUNDATION PLAN AND NOTES

TYP. CMU CORNER 1

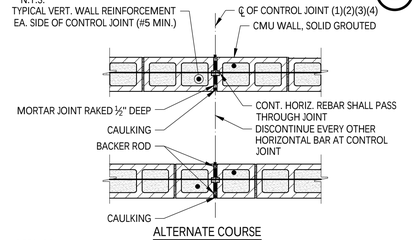
N.T.S.



NOTES: (#)
1. SEE PLAN AND NOTES
2. VERT. BARS SHALL EXTEND FULL HEIGHT OF THE WALL

TYP. REINF. AT OPENINGS 2

N.T.S.



ALTERNATE COURSE

NOTES: (#)
1. CONTROL JOINTS SHALL OCCUR AT ONE AND A HALF TIMES THE WALL HEIGHT, 25'-0" o.c. (MAX.) OR AS SHOWN ON PLANS
2. JOINT SHALL BE CONTINUOUS FROM TOP OF FOOTING TO FIRST COURSE BELOW CONT. CHORD REINFORCING. THE REMAINING WALL ABOVE SHALL BE SAW CUT ¼" DEEP IN LINE WITH JOINT TO TOP OF WALL. FILL CUT WITH CAULKING.
3. VERIFY LOCATION WITH ARCHITECT/ENGINEER PRIOR TO COMMENCEMENT OF WORK.
4. SPECIAL CONSIDERATIONS MAY BE REQUIRED FOR FIRE RATED CONSTRUCTION MASONRY CONTROL JOINTS. SEE ARCHITECTURAL PLANS FOR FIRE RATING CONSTRUCTION REQUIREMENTS.

CMU CONTROL JOINT 3

N.T.S.

****30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-787-0326 | www.mnsengineers.com

DESIGNED:
DRAWN:
CHECKED:
QA/QC:
CONSTRUCTABILITY:

REGISTERED PROFESSIONAL ENGINEER — MICHAEL E. PAROLINI — No. 5405 — STRUCTURAL — STATE OF CALIFORNIA

MICHAEL E. PAROLINI
PROJECT ENGINEER:
S5405

05.08.2025
DATE

BUEHLER
811 EL CAPITAN WAY, SUITE 240
SAN LUIS OBISPO, CA 93401
916 778 0084

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

TYPICAL DETAILS

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
S-803

SHEET NUMBER
145 OF 154

Wed, 30 Aug 25, 04:23:58 PM by: JosephMcKenzie F:\2025-XX\XXXXXX-BAM06-CWTC\S-803.dwg

(1) PRIOR TO BIDDING, CONTRACTOR SHALL DETERMINE CEILING CONSTRUCTION AND MOUNTING REQUIREMENTS FOR EACH LUMINAIRE AT EACH LOCATION, INCLUDING THOSE LUMINAIRES WHERE CEILING TYPE IS INDICATED.

(2) SEE DESCRIPTION.

(3) SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

(4) CATALOG NUMBER AND DESCRIPTIONS SHALL BE VERIFIED BY CONTRACTOR PRIOR TO SUBMISSION OF SHOP DRAWINGS. ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.

TYPE	MANUFACTURER	CATALOG NUMBER (1)(2)(3)(4)	DESCRIPTION (1)(3)(4)	LAMP		INPUT WATTS (VA)	MOUNTING (WEIGHT - LBS.)
				TYPE	QUAN/ WATTS		
A	NLS LIGHTING OR EQUAL	LUMINAIRE: VSS-S-T4-16L-350-40K-UNV-DP6-BRZ-PC-RPA4-HSS	120 VOLT, SQUARE FULL CUT-OFF 350MA LED LUMINAIRE WITH 16 LEDS, MINIMUM 70CRI, 4000K COLOR TEMPERATURE, ONE PIECE 10.5" SQUARE ALUMINUM HOUSING, ELECTROSTATICALLY APPLIED BRONZE POLYURETHANE FINISH, INTEGRAL PHOTO CELL, TYPE IV DISTRIBUTION, ANODIZED ALUMINUM REFLECTOR, HOUSE SIDE SHIELD, AND UL LISTED FOR WET LOCATIONS. LUMINAIRE SHALL INCLUDE 6" LONG EXTRUDED ALUMINUM ARM WITH ROUND POLE ADAPTER FOR CONNECTION TO POLE.	16 LED ARRAY		18 (19)	POLE
	NLS LIGHTING OR EQUAL	POLE: RSAP-12-4-.188-9BC-SGL-BRZ-3430-PROV-RBC	NOMINAL 4" DIAMETER ROUND STRAIGHT EXTRUDED ALUMINUM POLE WITH LUMINAIRE/POLE COMBINATION HAVING A STEADY 80MPH WIND LOADING. POLE AND BASE SHALL HAVE AN ELECTROSTATICALLY APPLIED POLYURETHANE BRONZE FINISH TO MATCH LUMINAIRE. BASE COVER SHALL BE ONE PIECE ROUND ALUMINUM. PROVIDE POLE WITH REMOVABLE POLYMER POLE CAP. POLE LENGTH SHALL BE 12 FEET. ANCHOR BOLTS SHALL BE HOT-DIPPED GALVANIZED WITH TWO GALVANIZED NUTS AND WASHERS PER BOLT.				
B	LITHONIA OR EQUAL	FEM-L48-6000-IAMFL-MD-MVOLT-40K-80-SLSL	120 VOLT, NOMINAL 50"L X 7"W X 5"D LED LUMINAIRE WITH FIBERGLASS REINFORCED POLYESTER BODY, MEDIUM DISTRIBUTIION, HIGH IMPACT ACRYLIC LINEAL RIB FROSTED LENS, STAINLESS STEEL LATCHES, IP65 RATING, NRTL LISTED FOR WET LOCATION, THREADED CONDUIT ENTRY AT EACH END, NOMINAL 6,000 LUMENS AT 4000K AND 80CRI, AND TOP MOUNTING BRACKET.	LED ARRAY		37.8 (42)	CEILING
C	COOPER/ MCGRAW-EDISON OR EQUAL	ISS-SA1-350MA-740-U-T4FT-AP-LCF-BPC120-MA1256	120 VOLT, CYLINDRICALLY SHAPED WALL SCONCE LED LUMINARIE WITH DIE-CAST ALUMINUM HOUSING AND BACKPLATE, 16 LED LAMP MODULE, 530MA DRIVE CURRENT, 4000K COLOR TEMPERATURE, 3789 LUMEN OUTPUT, TYPE IV DISTRIBUTION, BUTTON PHOTOCELL, HINGED DOOR FRAME, MEDIUM GRAY POLYESTER POWDER COAT FINISH, AND UL LISTED FOR WET LOCATIONS. MOUNT TO INTEGRAL SURFACE THRUWAY BACK BOX FINISHED TO MATCH LUMINAIRE. NOMINAL HOUSING SIZE SHALL BE 18"W X 7"H X 9"D.	LED ARRAY		20.1 (20.7)	SURFACE WALL MH = 6'-9"

22 LUMINAIRE SCHEDULE

(X) DESIGNATION FOR OCPD OR DISCONNECTION EQUIPMENT BY CIRCUIT NUMBER OR LETTER. M=MAIN, B=BRANCH CIRCUIT DEVICE, F=FEEDER, T=TAP, X=DISCONNECT.

AF (B) AT 3P — MOLDED CASE CIRCUIT BREAKER. AF=FRAME SIZE, AT=TRIP RATING, P=NUMBER OF POLES, A=AMP RATING.

MOTOR WITH HORSEPOWER RATING AS INDICATED.

·5 (3) (RM) — REVENUE METER WITH CURRENT TRANSFORMERS INDICATED OR AS REQUIRED BY UTILITY COMPANY.

UTILITY SOURCE.

GENERATOR WITH RATINGS AS INDICATED.

AUTOMATIC TRANSFER SWITCH (ATS), MANUAL TRANSFER SWITCH (MTS), RATINGS AS INDICATED.

MCP (B) A 3P 1 — COMBINATION MOTOR STARTER WITH MOTOR CIRCUIT PROTECTOR AND OVERLOAD RELAYS.

A 3P — VFD (VFD) OR REDUCED-VOLTAGE, SOLID-STATE(RVSS) MOTOR STARTER WITH RATINGS AS INDICATED.

(X) A 3P — NON-FUSED DISCONNECT SWITCH WITH RATINGS AS INDICATED.

(X) AS 3P A — FUSED DISCONNECT SWITCH WITH RATINGS AS INDICATED.

SPLICE POINT.

KVA — TRANSFORMER WITH PRIMARY AND SECONDARY VOLTAGES, PHASES, AND KVA RATING AS INDICATED.

DOTTED LINE INDICATES WORK TO BE REMOVED UON.

14 SINGLE LINE DIAGRAM SYMBOL LIST

3/4"C. 2-12AWG & 1-12AWGG

3/4"C. 3-12AWG & 1-12AWGG

3/4"C. 4-12AWG & 1-12AWGG

3/4"C. 7-12AWG & 1-12AWGG

A-1,3 — CONDUIT HOME RUN WITH 3-12AWG & 1-12AWGG TO PANEL "A", CIRCUITS 1 AND 3.

CONDUIT RUN IN OR BELOW FLOOR, OR BELOW GRADE.

CONDUIT RUN EXPOSED.

CONDUIT RISER DOWN.

CONDUIT RISER UP.

E — CONDUIT RUN STUBBED OUT, MARKED AND CAPPED.

LIQUIDTIGHT METALLIC FLEXIBLE CONDUIT RUN UON.

G — 4AWG BC GROUNDING ELECTRODE OR GROUNDING ELECTRODE CONDUCTOR WITHIN CONCRETE SLAB UON.

DOTTED LINE INDICATES WORK TO BE REMOVED UON.

GROUND WELL.

ELECTRICAL BRANCH CIRCUIT PANELBOARD, SURFACE MOUNTED.

ELECTRICAL EQUIPMENT CONNECTION. VERIFY ROUGH-IN REQUIREMENTS FOR EACH PIECE OF EQUIPMENT.

J — JUNCTION BOX WITH BLANK FACEPLATE SURFACE WALL MOUNTED AT +60" UON.

24 / E1 — DETAIL REFERENCE. TOP NUMBER INDICATES DETAIL NUMBER. BOTTOM NUMBER INDICATES SHEET WHERE DETAIL IS LOCATED.

(J) JUNCTION BOX WITH BLANK FACEPLATE SURFACE CEILING MOUNTED UON.

(C) CONDUIT BODY.

SIMPLEX RECEPTACLE IN SURFACE MOUNTED OUTLET BOX AT +18" UON.

DUPLEX RECEPTACLE IN SURFACE MOUNTED OUTLET BOX AT +18" UON.

DUPLEX GFCI RECEPTACLE IN SURFACE MOUNTED OUTLET BOX AT +18" UON.

S_{ab} — SINGLE POLE TOGGLE SWITCH IN SURFACE WALL OUTLET BOX UON. SUBSCRIPTS INDICATE OUTLETS CONTROLLED AND A GANGED ASSEMBLY WITH A SWITCH OF THE TYPE INDICATED FOR EACH SUBSCRIPT. +42" UON.

S^{m} — MANUAL MOTOR STARTER IN SURFACE WALL OUTLET BOX AT +42" UON.

LIGHTING STANDARD WITH ONE LED LUMINAIRE.

SURFACE MOUNT NEMA 4X LED LUMINAIRE.

LED LUMINAIRE EXTERIOR SURFACE WALL SCONCE.

A — LUMINAIRE DESIGNATION. LETTER INDICATES LUMINAIRE TYPE.

Electrical Abbreviations

AFF	ABOVE FINISHED FLOOR.	EX	EXISTING.
AWGG	AMERICAN WIRE GAGE GROUND CONDUCTOR, SIZE AS INDICATED.	FIT	FLOW INDICATING TRANSMITTER.
AFG	ABOVE FINISHED GRADE.	FS	FLOW SWITCH.
CO	CONDUIT ONLY WITH NYLON PULLROPE.	NTS	NOT TO SCALE.
		OCPD	OVERCURRENT PROTECTIVE DEVICE.
		PI	PRESSURE INDICATING DEVICE.
		TSP	TWISTED SHIELDED PAIR CABLE.
		UON	UNLESS OTHERWISE NOTED.
		+XX"	INDICATES HEIGHT TO CENTER OF OUTLET BOX OR ENCLOSURE.
		MH=8'-0"	MOUNTING HEIGHT FROM FINISHED SURFACE TO BOTTOM OF LUMINAIRE.
		6C18AWG	CABLE WITH 6-18AWG CONDUCTORS.
		4C18AWG	CABLE WITH 4-18AWG CONDUCTORS AND OVERALL SHIELD.

24 PLAN SYMBOL LIST

****30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-787-0326 | www.mnsengineers.com

DESIGNED:	JEJ
DRAWN:	WMH
CHECKED:	JEJ
QA/QC:	JVI
CONSTRUCTABILITY:	JEJ

IRJ ENGINEERS, INC. JOB No.2501-00
MECHANICAL & ELECTRICAL ENGINEERS
P.O. BOX 1463 VENTURA, CALIFORNIA 93002
(805) 701-8940/(805) 701-8714
JILL E. JOHNSON
ELECTRICAL ENGINEER
E.E. 15149 EXP. 06/30/2026

08/25/2025
DATE

REGISTERED PROFESSIONAL ENGINEER JILL E. JOHNSON No. 15149 9626 ELECTRICAL STATE OF CALIFORNIA

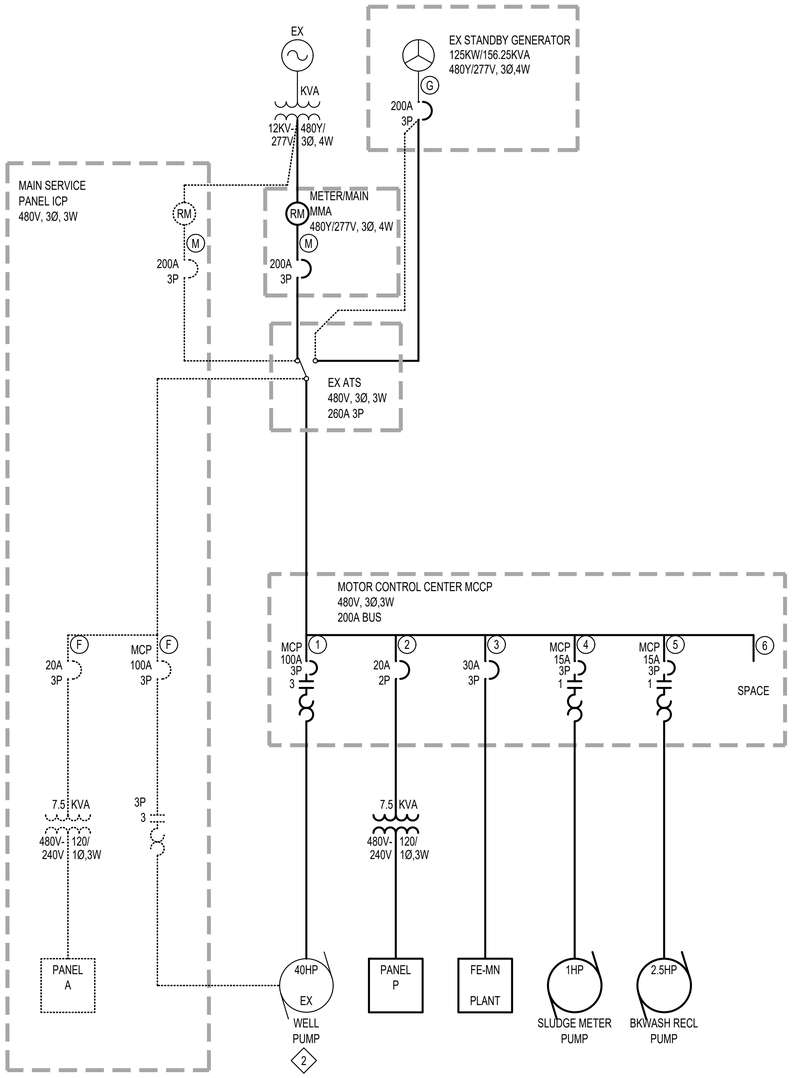
0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

SYMBOL LISTS, LUMINAIRE SCHEDULE, DETAILS

PROJECT NUMBER: CWTRC.200476.06
DRAWING NUMBER: E-001
SHEET NUMBER: 146 OF 154

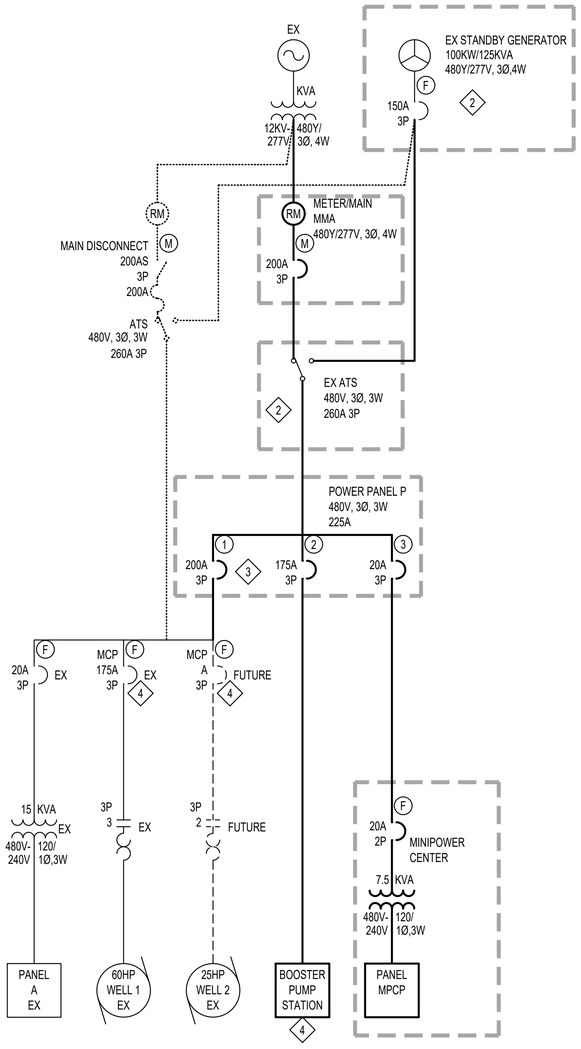
© IRJ ENGINEERS, INC.
8/25/2025 1:21PM
C:\2025\25-0525\DWG\25-0525 YS01001BR.DWG



DETAIL NOTES

1. ALL ELECTRICAL WORK IS NEW UON.
2. THE WELL PUMP MOTOR MAY BE REPLACED AS THE DESIGN IS DEVELOPED. COORDINATE EQUIPMENT WITH PROPOSED MOTOR.

24 PAJARO WELL NO. 1 SINGLE LINE DIAGRAM



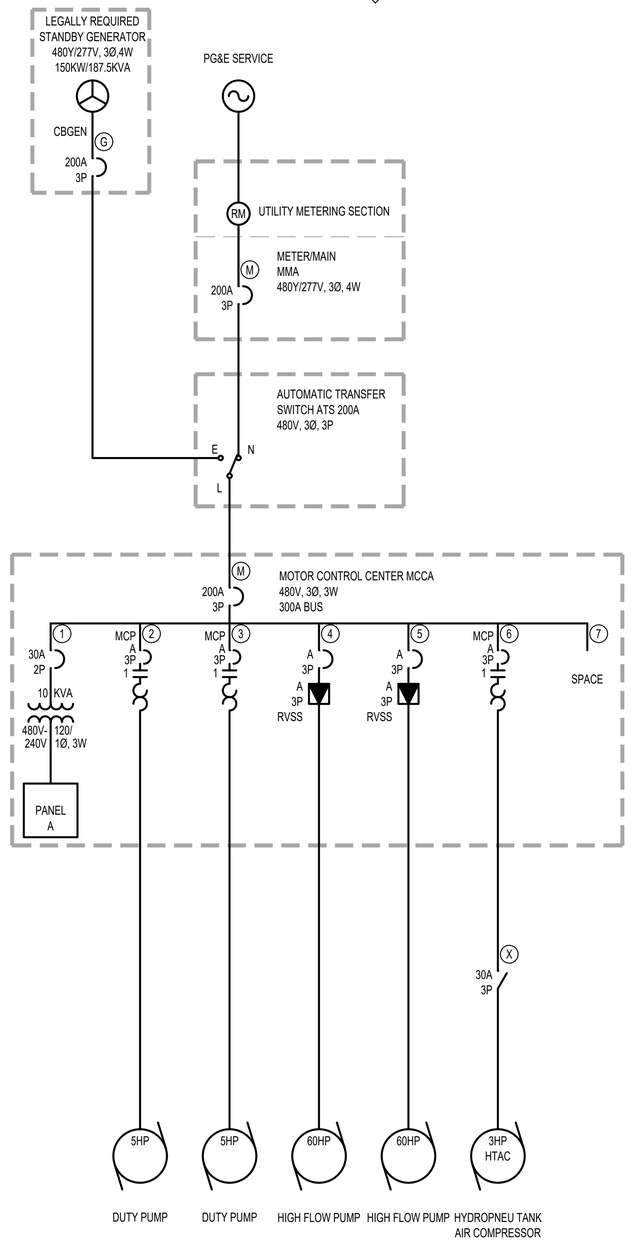
DETAIL NOTES

1. ALL ELECTRICAL WORK IS NEW UON.
2. RELOCATE AND RECONNECT THE EXISTING STANDBY GENERATOR AND ATS.
3. THE FEEDER TO RECONNECT THE EXISTING WELL 1 AND WELL 2 SHALL BE PROVIDED IF THE WELLS ARE NOT DEMOLISHED.
4. WELL PUMP CONTROL SHALL BE INTERLOCKED WITH THE BOOSTER PUMP STATION CONTROLS TO PREVENT SIMULTANEOUS OPERATION OF A WELL PUMP AND A BOOSTER PUMP.

16 TRANSMISSION BOOSTER PUMP STATION SINGLE LINE DIAGRAM

DETAIL NOTES

1. ALL ELECTRICAL WORK IS NEW UON.



12 BLUFF JENSEN TANK SITE SINGLE LINE DIAGRAM

****30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-787-0326 | www.mnsengineers.com

DESIGNED:	JEJ
DRAWN:	WMH
CHECKED:	JEJ
QA/QC:	JVI
CONSTRUCTABILITY:	JEJ

IRJ ENGINEERS, INC.
MECHANICAL & ELECTRICAL ENGINEERS
P.O. BOX 1463 VENTURA, CALIFORNIA 93002
(805) 701-8940/(805) 701-8714
JOB No.2501-00
JILL E. JOHNSON
ELECTRICAL ENGINEER
E.E. 15149 EXP. 06/30/2026
08/25/2025
DATE

REGISTERED PROFESSIONAL ENGINEER JILL E. JOHNSON No. 15149 Exp. 06/26 ELECTRICAL STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

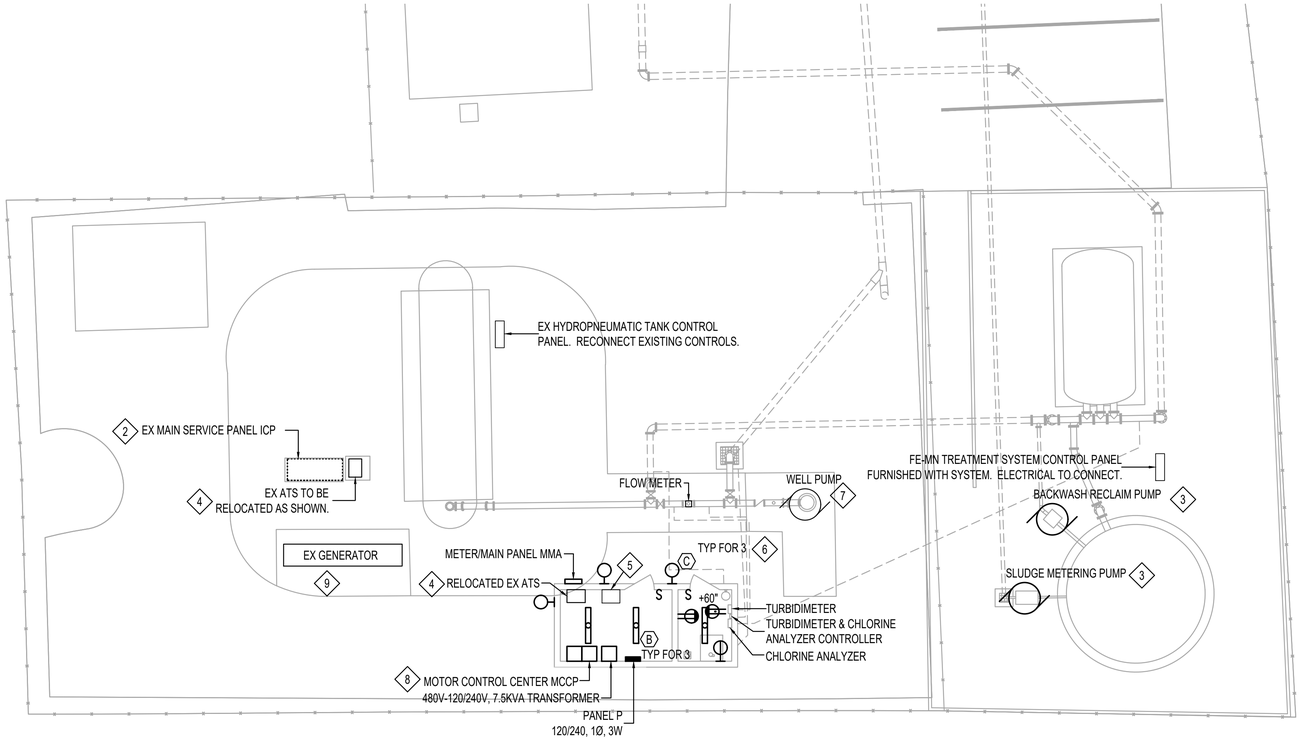
SINGLE LINE DIAGRAMS

PROJECT NUMBER: CWTRC.200476.06
DRAWING NUMBER: E-002
SHEET NUMBER: 147 OF 154

Y2501008R.DWG 2025/08/25 E2501008.DWG 8/25/2025 1:02PM IRJ ENGINEERS, INC.

DRAWING NOTES

1. ALL ELECTRICAL WORK IS NEW UON.
2. DEMOLISH EXISTING MAIN SERVICE PANEL. COORDINATE EXTENSION OF SERVICE LATERAL AND RELOCATION OF UTILITY METER WITH PG&E.
3. SLUDGE METERING PUMP AND BACKWASH RECLAIM PUMP SHALL BE CONTROLLED BY THE FE-MN TREATMENT SYSTEM CONTROL PANEL.
4. DISCONNECT AND RELOCATE EXISTING AUTOMATIC TRANSFER SWITCH TO NEW ELECTRICAL ROOM AS SHOWN.
5. LOCAL SCADA PANEL FURNISHED AND INSTALLED UNDER ANOTHER DIVISION. ELECTRICAL SHALL CONNECT.
6. EXTERIOR LUMINAIRES SHALL BE PHOTOCELL CONTROLLED.
7. THE WELL PUMP CONTROLS SHALL INCLUDE INTERFACE WITH THE FE-MN TREATMENT SYSTEM.
8. EACH STARTER CUBICLE SHALL INCLUDE A HAND-OFF-AUTO SWITCH, PUSH-TO-TEST PILOT LIGHTS FOR RUN AND STOP, A RUN TIME METER, AND CONTROL POWER TRANSFORMER.
9. REPLACE EXISTING 250A CIRCUIT BREAKER TRIP ELEMENT WITH 200A UNIT.



24 PAJARO WELL NO. 1 SITE ELECTRICAL PLAN

SCALE 1/8" = 1' - 0"

8 4 0 16
6 2 8

1 N

****30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-787-0326 | www.mnsengineers.com

DESIGNED:	JEJ
DRAWN:	WMH
CHECKED:	JEJ
QA/QC:	JVI
CONSTRUCTABILITY:	JEJ

IRJ ENGINEERS, INC.
MECHANICAL & ELECTRICAL ENGINEERS
P.O. BOX 1463 VENTURA, CALIFORNIA 93002
(805) 701-8940/(805) 701-8714
JOB No.2501-00
JILL E. JOHNSON
ELECTRICAL ENGINEER
E.E. 15149 EXP. 06/30/2026

08/25/2025
DATE

REGISTERED PROFESSIONAL ENGINEER JILL E. JOHNSON No. 15149 Exp. 06/26 ELECTRICAL STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

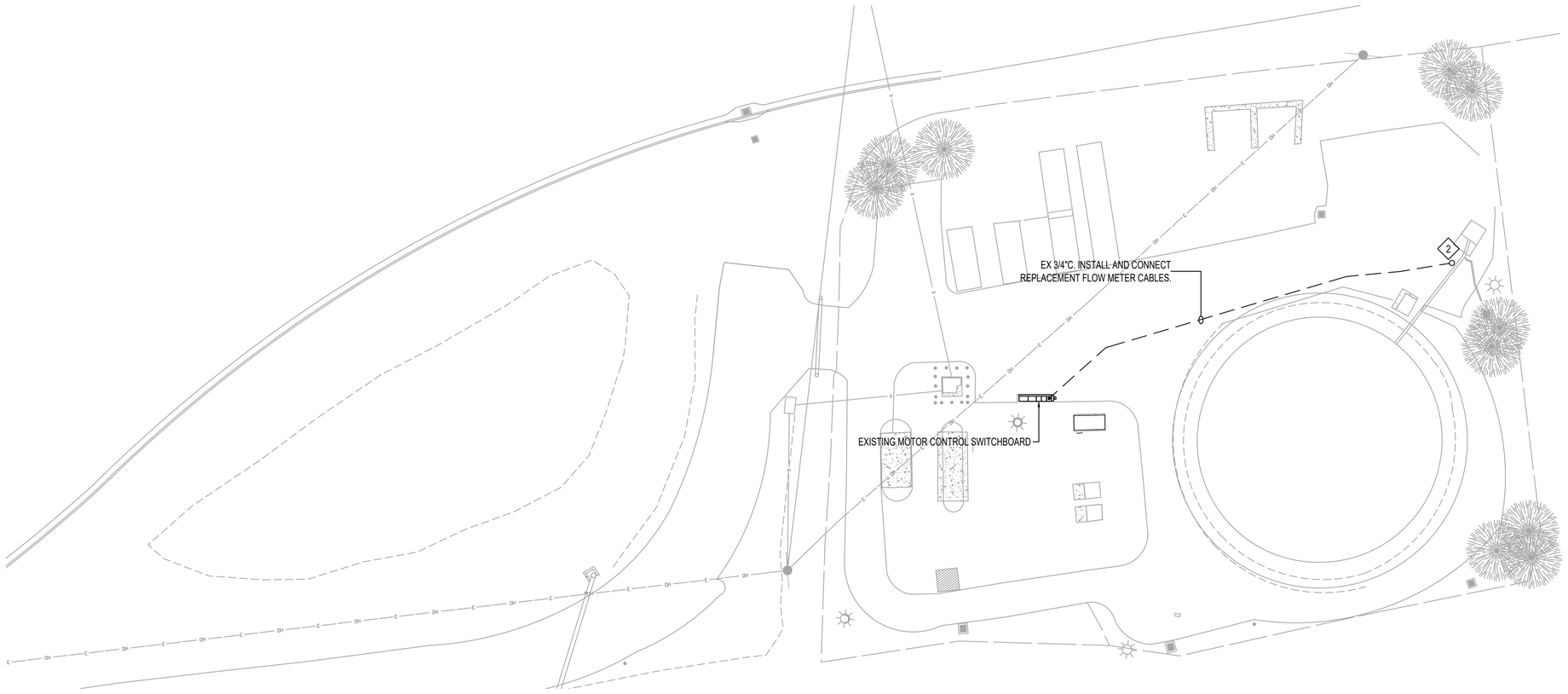
PAJARO WELL NO. 1 SITE ELECTRICAL PLAN

PROJECT NUMBER: CWTRC.200476.06
DRAWING NUMBER: E-003
SHEET NUMBER: 148 OF 154

Y250108R.DWG 20250825 E250108.DWG 8/25/2025 1:20PM © IRJ ENGINEERS, INC

DRAWING NOTES

1. ALL ELECTRICAL WORK IS NEW UON.
2. CONNECT NEW FLOWMETER.



24 PAJARO TANK AND WELL NO. 2 SITE ELECTRICAL PLAN

SCALE 1" = 20' - 0"

20' 10' 0 40'
15' 5' 20'

****30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-787-0326 | www.mnsengineers.com

DESIGNED:	JEJ
DRAWN:	WMH
CHECKED:	JEJ
QA/QC:	JVI
CONSTRUCTABILITY:	JEJ

IRJ ENGINEERS, INC.
JOB No. 2501-00
MECHANICAL & ELECTRICAL ENGINEERS
P.O. BOX 1463 VENTURA, CALIFORNIA 93002
(805) 701-8940|(805) 701-8714
JILL E. JOHNSON
ELECTRICAL ENGINEER
E.E. 15149 EXP. 06/30/2026

08/25/2025
DATE

REGISTERED PROFESSIONAL ENGINEER
JILL E. JOHNSON
No. 15149
Exp. 06/26
ELECTRICAL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

PAJARO TANK AND WELL NO. 2 SITE ELECTRICAL PLAN

PROJECT NUMBER
CWTRC.200476.06

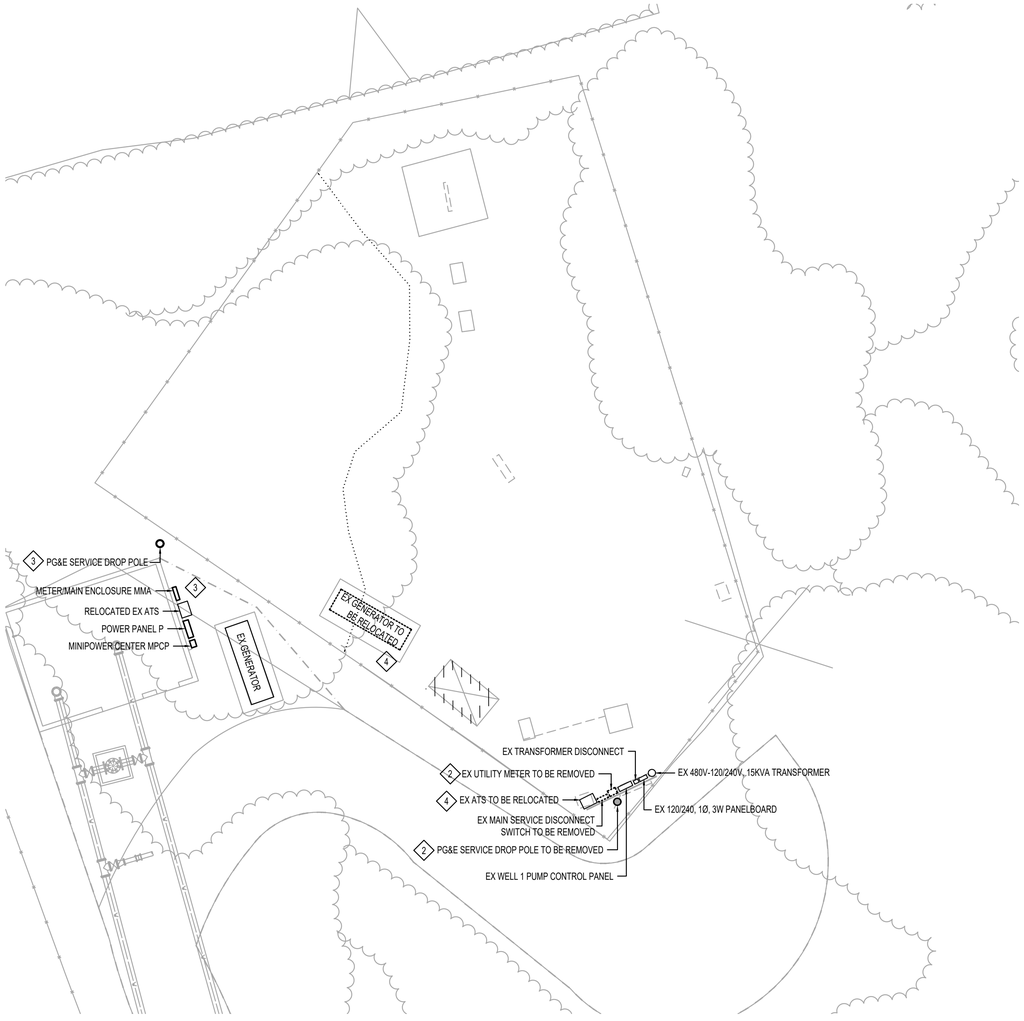
DRAWING NUMBER
E-004

SHEET NUMBER
149 OF **154**

Y2501008R1.DWG 20250825 8/25/2025 4:28PM IRJ ENGINEERS, INC

DRAWING NOTES

1. ALL ELECTRICAL WORK IS NEW UON.
2. COORDINATE REMOVAL OF EXISTING UTILITY METER WITH PG&E.
3. COORDINATE RELOCATION OF ELECTRIC UTILITY SERVICE WITH PG&E, INCLUDING LOCATION AND PROVISIONS FOR NEW SERVICE DROP POLE.
4. RELOCATE EXISTING GENERATOR AND AUTOMATIC TRANSFER SWITCH TO NEW LOCATIONS SHOWN AND RECONNECT.
5. WELL 1 AND WELL 2 ARE EXISTING TO REMAIN. PROVIDE NEW FEEDER FROM NEW EQUIPMENT TO RECONNECT THE ELECTRICAL EQUIPMENT FOR WELL 1 AND WELL 2.



24 TRANSMISSION BOOSTER PUMP STATION SITE ELECTRICAL PLAN

SCALE 1/8" = 1' - 0"

8 4 0 16
6 2 8

N

1 5

****30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-787-0326 | www.mnsengineers.com

DESIGNED:	JEJ
DRAWN:	WMH
CHECKED:	JEJ
QA/QC:	JVI
CONSTRUCTABILITY:	JEJ

IRJ ENGINEERS, INC.
JOB No.2501-00
MECHANICAL & ELECTRICAL ENGINEERS
P.O. BOX 1463 VENTURA, CALIFORNIA 93002
(805) 701-8940/(805) 701-8714
JILL E. JOHNSON
ELECTRICAL ENGINEER
E.E. 15149 EXP. 06/30/2026

08/25/2025
DATE

REGISTERED PROFESSIONAL ENGINEER JILL E. JOHNSON No. 15149 Exp. 06/26 ELECTRICAL STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

TRANSMISSION BOOSTER PUMP STATION SITE ELECTRICAL PLAN

PROJECT NUMBER
CWTRC.200476.06

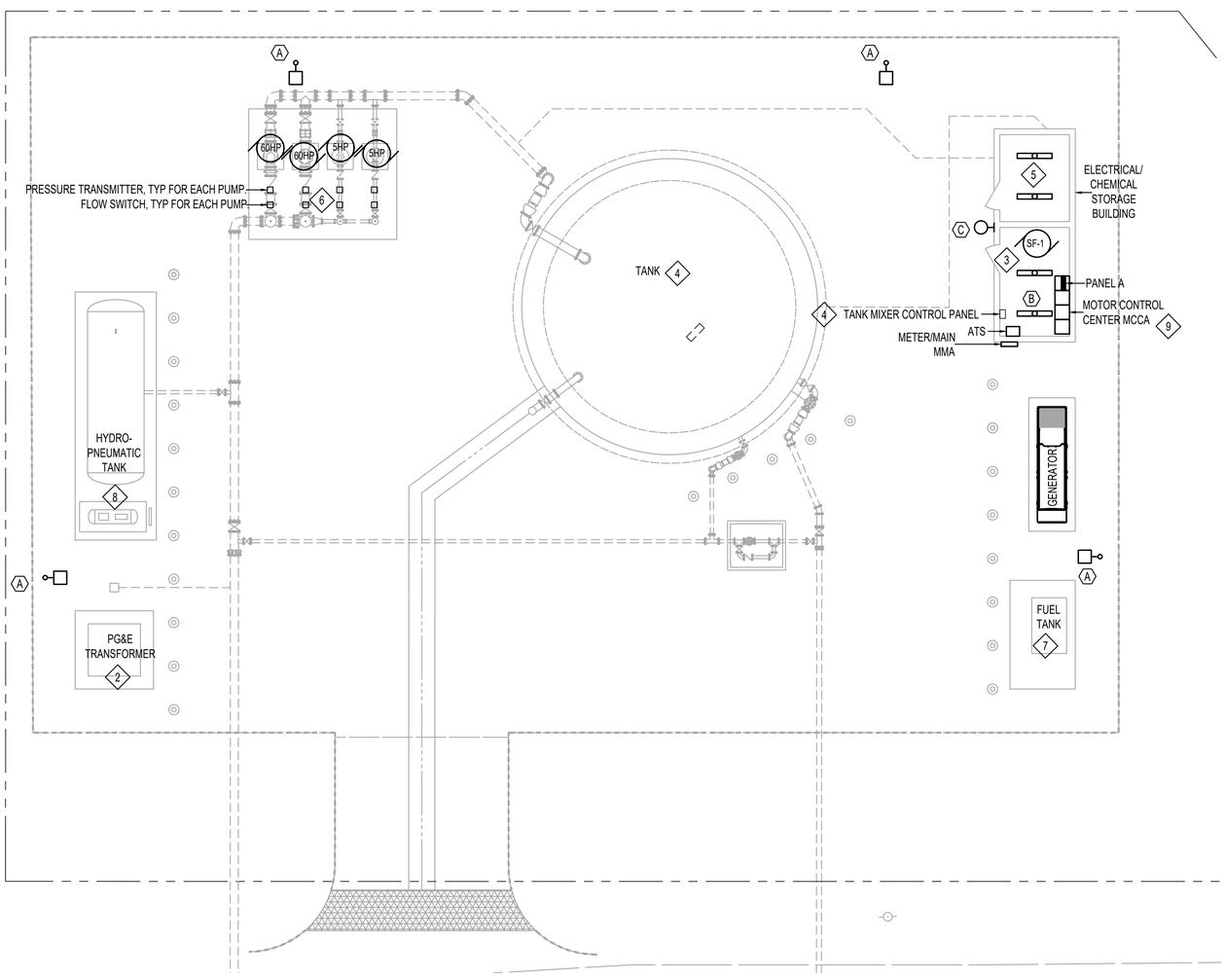
DRAWING NUMBER
E-005

SHEET NUMBER
150 OF 154

Y2501008R.DWG 20/20825 2501008.DWG 8/20/2025 1:20PM IRJ ENGINEERS, INC.

DRAWING NOTES

1. ALL ELECTRICAL WORK IS NEW UON.
2. COORDINATE NEW ELECTRIC UTILITY SERVICE WITH PG&E.
3. PROVIDE LIGHTING AND CONVENIENCE RECEPTACLES IN THE ELECTRICAL ROOM AND CHEMICAL STORAGE ROOM. CONNECT HVAC EQUIPMENT FOR BOTH ROOMS.
4. PROVIDE POWER AND SIGNAL COINNECTIONS TO TANK MIXING EQUIPMENT.
5. PROVIDE POWER AND SIGNAL CONNECTIONS TO CHEMICAL DOSING PUMP AND INSTRUMENTS.
6. PROVIDE POWER AND CONTROL CONNECTIONS TO PUMP MOTORS. THE DUTY PUMPS AND HIGH FLOW PUMPS OPERATE BASED ON THE LEVEL IN THE HYDROPNEUMATIC TANK. EACH PAIR OF PUMPS SHALL BE INTERLOCKED SO THAT ONLY ONE PUMP IN EACH PAIR CAN OPERATE AT A TIME.
7. FUEL TANK LEAK DETECTION PANEL FURNISHED AND INSTALLED UNDER ANOTHER DIVISION. ELECTRICAL CONTRACTOR SHALL CONNECT.
8. HYDROPNEUMATIC TANK SYSTEM FURNISHED UNDER ANOTHER DIVISION. ELECTRICAL CONTRACTOR SHALL INSTALL AND CONNECT TANK MOUNTED INSTRUMENTS. ELECTRICAL CONTRACTOR SHALL PROVIDE AIR COMPRESSOR STARTER WITHIN MCCA AND THE LOCAL DISCONNECT SWITCH.



24 BLUFF JENSEN BOOSTER PUMP STATION SITE ELECTRICAL PLAN

SCALE 1/8" = 1' - 0"

8 4 0 16
6 2 8

N

1

****30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-787-0326 | www.mnsengineers.com

DESIGNED:	JEJ
DRAWN:	WMH
CHECKED:	JEJ
QA/QC:	JVI
CONSTRUCTABILITY:	JEJ

JOB No.2501-00
IRJ ENGINEERS, INC.
MECHANICAL & ELECTRICAL ENGINEERS
P.O. BOX 1463 VENTURA, CALIFORNIA 93002
(805) 701-8940/(805) 701-8714
JILL E. JOHNSON
ELECTRICAL ENGINEER
E.E. 15149 EXP. 06/30/2026

08/25/2025
DATE

REGISTERED PROFESSIONAL ENGINEER
JILL E. JOHNSON
No. 15149
9626
ELECTRICAL
STATE OF CALIFORNIA

0 1/2 1 2

THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

BLUFF JENSEN BOOSTER PUMP STATION SITE ELECTRICAL PLAN

PROJECT NUMBER
CWTRC.200476.06

DRAWING NUMBER
E-006

SHEET NUMBER
151 OF 154

Y:\2501\08\R\DWG 2/25/2025 12:29PM IRJ ENGINEERS, INC.

FANS

UNIT TAG	DUTY	CFM	STATIC PRESSURE	FAN				MOTOR NAMEPLATE					SOUND SOURCES	SOUND POWER BY OCTAVE BANDS RE: 10-12 WATTS								WEIGHT (LBS)	TYPE	MANUFACTURER AND MODEL NO.	REMARKS
				OUTLET V	TIP SPEED	RPM	BHP	RPM	HP	V	HZ	PH		63 HZ	125 HZ	250 HZ	500 HZ	1K HZ	2K HZ	4K HZ	8K HZ				
SF 1	ELECTRICAL ROOM SUPPLY AIR	200	0.75 IN. WC					1725	1/4	115	60	1	INLET									150	CENTRIFUGAL IN-LINE		FURNISH WITH: MOTOR W/THERMAL OVERLOAD PROTECTION, BELT GUARD, FLANGES, FLEX CONNECTIONS.
EF 1	CHEMICAL ROOM EXHAUST AIR	150	0.25 IN. WC					1550	1/20	115	60	1	INLET									75	CENTRIFUGAL IN-LINE		FURNISH WITH: MOTOR W/THERMAL OVERLOAD PROTECTION, FLANGES, FLEX CONNECTIONS, PRE-WIRED SPEED CONTROL.

VENTILATORS

UNIT TAG	DUTY	CFM	STATIC PRESSURE	NECK AREA	WEIGHT (LBS)	TYPE	MANUFACTURER AND MODEL NO.	REMARKS
IV 1	INTAKE VENTILATOR FOR SF-1	200			70	VENTILATOR - ROUND		FURNISH WITH ROOF CURB, GRAVITY BACKDRAFT DAMPER, INSECT SCREEN, INSULATED TOP.
RV 1	RELIEF VENTILATOR FOR ELECTRICAL ROOM	150			70	VENTILATOR - ROUND		FURNISH WITH ROOF CURB, GRAVITY BACKDRAFT DAMPER, INSECT SCREEN, INSULATED TOP.

AIR FILTER HOUSING AND FILTER

UNIT TAG	DUTY	CFM	FACE VELOCITY	FILTER QTY. & SIZE	APD		MERV (ASHRAE 52.2-2007)	FILTER TYPE	HOUSING TYPE	WEIGHT (LBS)	MANUFACTURER AND MODEL NO.	REMARKS
					INITIAL	FINAL						
FI 1	SUPPLY FAN SF-1	200	200	(1) 12X12x2	0.10 IN. WC	0.5 IN. WC	13	PLEATED MEDIA	SIDE ACCESS	80	AMERICAN AIR FILTER SP-2-05H05W-SP-2LL, PP M13	FURNISH WITH FILTER PRESSURE DROP GAUGE.

ABOVEGROUND FUEL STORAGE TANK

UNIT TAG	DUTY	FUEL STORED	NOMINAL CAPACITY	CONSTRUCTION	CLASSIFICATION	EMERGENCY VENTING REQUIREMENT		WEIGHT (LBS)	MANUFACTURER AND MODEL NO.	REMARKS
						PRIMARY	SECONDARY			
AST 1	FUEL FOR LEGALLY REQUIRED STANDBY GENERATOR	DIESEL	560 GALLONS	SECONDARY CONTAINMENT	UL 142			6.000		FURNISH WITH ACCESS STAIR, SPILL CONTAINER, TANK MOUNTED PIPE SUPPORTS.

LEAK DETECTION PANEL

UNIT TAG	DUTY	SENSOR INPUTS	OUTPUT CONTACTS	AUDIBLE ALARM	ENCLOSURE	POWER REQUIREMENTS				WEIGHT (LBS)	MANUFACTURER AND MODEL NO.	REMARKS
						WATTS	V	HZ	PH			
LDP 1	ABOVEGROUND FUEL STORAGE TANK						115	60	1			FURNISH WITH PRINTER AND SENSORS FOR TANK LOW LEVEL, TANK OVERFILL, AND PRIMARY TANK LEAK.

ANTISIPHON SOLENOID VALVE

UNIT TAG	DUTY	SIZE	FLOW	Cv	OPER. PRESS. DIFFERENTIAL	POWER REQUIREMENTS				WEIGHT (LBS)	MANUFACTURER AND MODEL NO.	REMARKS
						WATTS	V	HZ	PH			
ASSV 1	ABOVEGROUND FUEL STORAGE TANK						12 VDC	-	-			FURNISH WITH BUILT -IN EXPANSION PRESSURE RELIEF VALVE.

EXPANSION ANCHORS FOR USE IN CONCRETE IN DRY LOCATIONS SHALL BE HILTI KWIK BOLT TZ2, ZINC COATED, CARBON STEEL ANCHORS. EXPANSION ANCHORS FOR USE IN CONCRETE IN DAMP AND WET LOCATIONS SHALL BE HILTI KWIK BOLT TZ2 STAINLESS STEEL ANCHORS. EXPANSION ANCHORS FOR USE IN GROUT FILLED MASONRY IN DRY LOCATIONS SHALL BE HILTI KWIK BOLT TZ2 CARBON STEEL MASONRY ANCHORS. EXPANSION ANCHORS FOR USE IN GROUT FILLED MASONRY IN DAMP AND WET LOCATIONS SHALL BE HILTI KWIK BOLT TZ2 STAINLESS STEEL MASONRY ANCHORS. PROVIDE ANCHORS OF DIAMETER AND MINIMUM EMBEDMENT INDICATED. DRY LOCATIONS ARE DEFINED AS LOCATIONS NOT NORMALLY SUBJECT TO DAMPNESS OR WETNESS. DAMP LOCATIONS ARE DEFINED AS PARTIALLY PROTECTED LOCATIONS UNDER CANOPIES, MARQUEES, ROOFED PORCHES, AND LIKE LOCATIONS AND INTERIOR LOCATIONS SUBJECT TO MODERATE DEGREES OF MOISTURE, SUCH AS SOME BASEMENTS. WET LOCATIONS ARE DEFINED AS INSTALLATIONS UNDERGROUND OR IN CONCRETE SLABS OR MASONRY IN DIRECT CONTACT WITH THE EARTH, LOCATIONS SUBJECT TO SATURATION WITH WATER OR OTHER LIQUIDS, AND LOCATIONS EXPOSED TO WEATHER AND UNPROTECTED.

PROOF LOAD TEST FOR WEDGE TYPE ANCHOR BOLTS: WHERE ANCHOR BOLTS OF THE WEDGE EXPANSION TYPE ARE LOADED IN PULLOUT OR SHEAR, 50% OF THE BOLTS (ALTERNATE BOLTS IN ANY GROUP ARRANGEMENT) SHALL BE PROOF TESTED AT LEAST 24 HOURS AFTER INSTALLATION IN THE PRESENCE OF PROJECT INSPECTOR TO THE TEST VALUES LISTED FOR THE PARTICULAR ANCHOR. IF ANY BOLTS FAIL THE PROOF LOAD TEST, TEST ALL ANCHOR BOLTS OF THE SAME TYPE, INSTALLED BY THE SAME TRADE, AND NOT PREVIOUSLY TESTED, UNTIL 20 CONSECUTIVE ANCHORS PASS, THEN RESUME INITIAL TEST FREQUENCY. ANCHORS SHALL BE TESTED WITH A CALIBRATED TORQUE WRENCH AND MUST ATTAIN SPECIFIED TORQUE WITHIN 1/2 TURN OF THE NUT.

TEST: TORQUE

BOLT DIAMETER (INCHES):	3/8	1/2	5/8	3/4
KB-TZ2 CONCRETE TORQUE VALUE				
ESR-4266 CARBON STEEL/STAINLESS STEEL (FT-LBS):	30/30	50/40	40/60	110/125
KB-TZ2 GROUT FILLED MASONRY TORQUE VALUE				
ESR-4561 CARBON STEEL/STAINLESS STEEL (FT-LBS):	15/15	25/15	30/35	50/50

WHEN INSTALLING DRILLED-IN ANCHORS IN EXISTING NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR.

10 NOTES

NTS

LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
OR	SA	SUPPLY AIR DUCT SECTION
OR	EA	EXHAUST AIR DUCT SECTION
OR	OA	OUTDOOR AIR DUCT SECTION
OR	RFA	RELIEF AIR DUCT SECTION
		FLEXIBLE DUCT CONNECTION
		AIRFLOW DIRECTION
T-1		ROOM THERMOSTAT AT +48"
TS-1		TIME SWITCH AT +48"
FOS	FOS	FUEL OIL SUPPLY (DIESEL)
FOR	FOR	FUEL OIL RETURN (DIESEL)
FV	FV	FUEL VENT
	BV	BALL VALVE
	SLV	SOLENOID VALVE
	ERVAS	EXPANSION RELIEF VALVE - ANGLE STYLE
	STR	STRAINER (WYE)
	FLEX	FLEXIBLE PIPE CONNECTOR
P	PG	PRESSURE GAUGE
		PIPE TURNS DOWN
		PIPE TURNS UP
		PIPE TURNS DOWN 45°
		PIPE TURNS FLAT 45°
		PIPE TEE DOWN
		UNION
	VOR	VALVE ON RISE
		DIRECTION OF FLOW
		REDUCER/INCREASER (CONCENTRIC)
		PIPE CAP
	POC	POINT OF CONNECTION
1		NUMBERED NOTES
	TYP. OR (TYP)	TYPICAL

****30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-787-0326 | www.mnsengineers.com

DESIGNED: SR
DRAWN: DB
CHECKED: SR
QA/QC: SF
CONSTRUCTABILITY: SR

IRJ ENGINEERS, INC.
MECHANICAL & ELECTRICAL ENGINEERS
P.O. BOX 1463, VENTURA, CALIFORNIA 93002
(805) 218-5345
JOB No. 2501-00
STEVEN ROMOFSKY
MECHANICAL ENGINEER
M.E. 23191 EXP. 09/30/2026

08/25/2025
DATE

REGISTERED PROFESSIONAL ENGINEER
STEVEN F. ROMOFSKY
No. 23191
Exp. 09/26
MECHANICAL
STATE OF CALIFORNIA

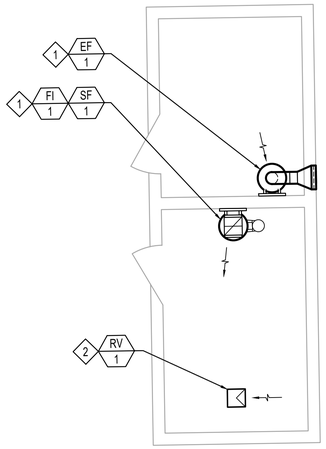
0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

LEGEND, SCHEDULES, NOTES

PROJECT NUMBER: CWTRC.200476.06
DRAWING NUMBER: MH-01
SHEET NUMBER: 152 OF 154

Z25010BR.DWG 20250822 MH-01.DWG IRJ ENGINEERS, INC. © 8:44AM 8/25/2025



NUMBERED NOTES:

(THIS DRAWING ONLY)

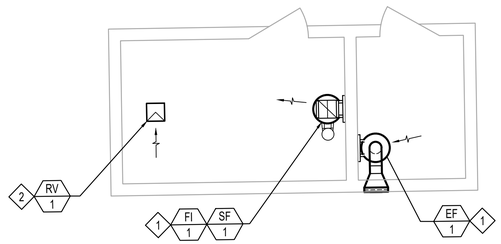
1. MOUNT EQUIPMENT ON WALL.
2. MOUNT EQUIPMENT ON ROOF

19 BLUFF JENSEN BOOSTER PUMP STATION ENLARGED MECHANICAL PLAN

SCALE 1/4" = 1' - 0"

4 2 0 8
3 1 4

N



NUMBERED NOTES:

(THIS DRAWING ONLY)

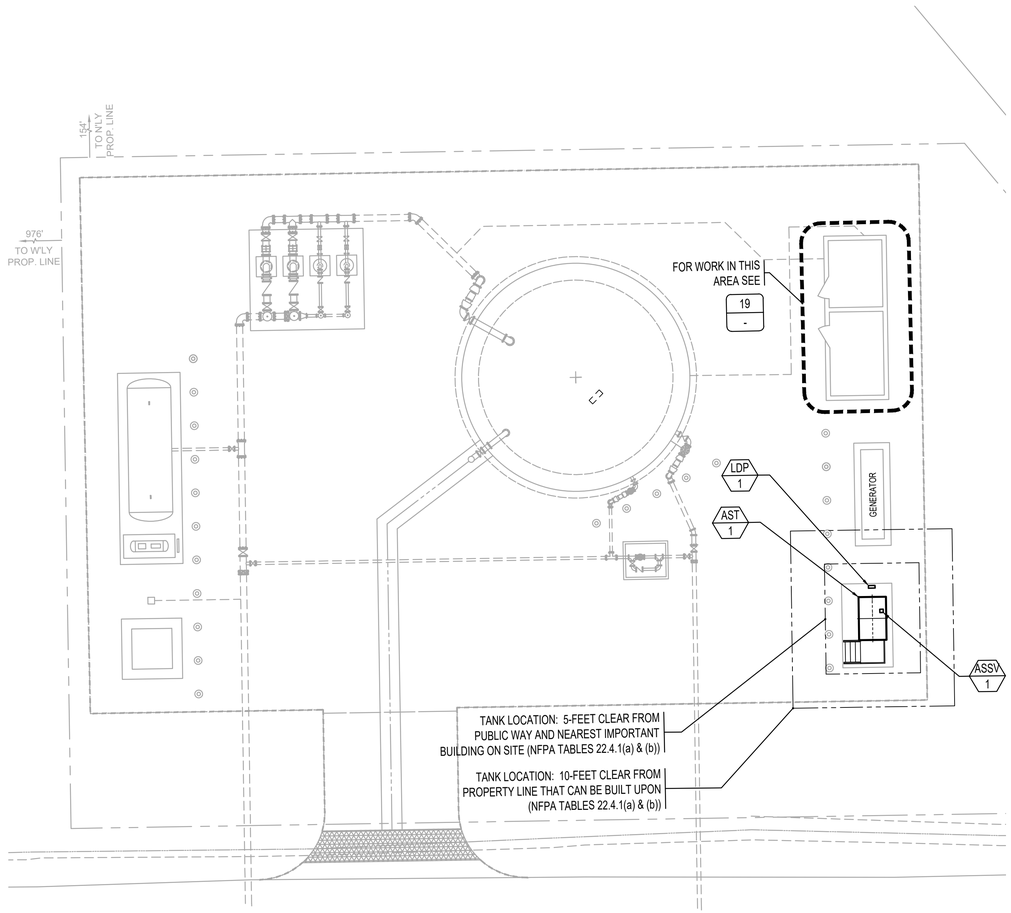
1. MOUNT EQUIPMENT ON WALL.
2. MOUNT EQUIPMENT ON ROOF

20 PAJARO WELL NO. 1 ENLARGED MECHANICAL PLAN

SCALE 1/4" = 1' - 0"

4 2 0 8
3 1 4

N



12 BLUFF JENSEN BOOSTER PUMP STATION SITE MECHANICAL PLAN

SCALE 3/32" = 1' - 0"

10.7 5.4 0 21.4
8.1 2.7 10.7

N

****30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-787-0326 | www.mnsengineers.com

DESIGNED:	SR
DRAWN:	DB
CHECKED:	SR
QA/QC:	SF
CONSTRUCTABILITY:	SR

IRJ ENGINEERS, INC.
MECHANICAL & ELECTRICAL ENGINEERS
P.O. BOX 1463, VENTURA, CALIFORNIA 93002
(805) 218-5345
JOB No.2501-00
STEVEN ROMOFSKY
MECHANICAL ENGINEER
M.E. 23191 EXP. 09/30/2026

08/25/2025
DATE

REGISTERED PROFESSIONAL ENGINEER
STEVEN F. ROMOFSKY
No. 23191
Exp. 09/26
MECHANICAL
STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

PAJARO WELL NO. 1 AND BLUFF JENSEN BOOSTER PUMP STATION MECHANICAL PLANS

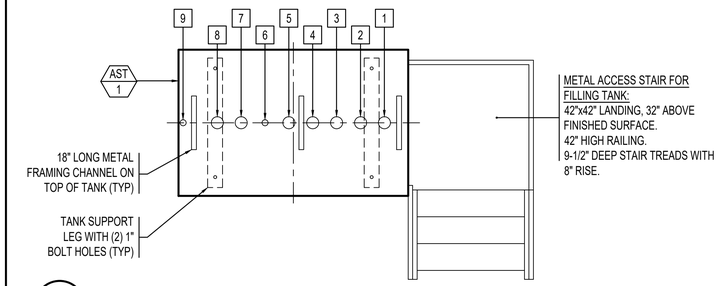
PROJECT NUMBER
CWTRC.200476.06

DRAWING NUMBER
MH-02

SHEET NUMBER
153 OF **154**

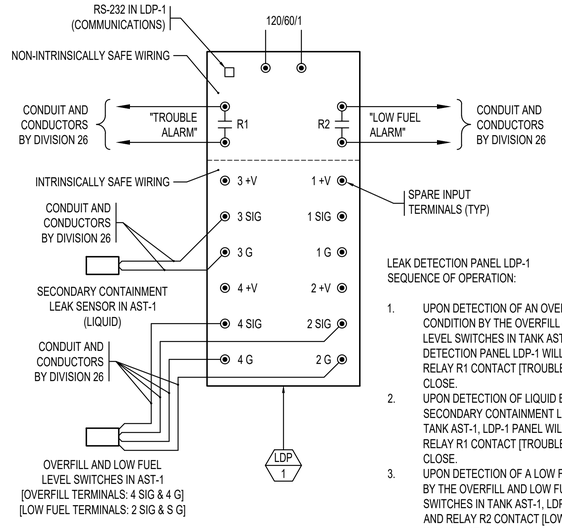
Z:\501\06\R DWG 2025822
MH-02.DWG
8/25/2025 10:12AM
IRJ ENGINEERS, INC

TANK OPENINGS				
NO.	SIZE	CONNECTION	USE	APPURT./COMPONENT
1	4"	FNPT	TANK FILL	OVERFILL VALVE
2	4"	FNPT	FOR - GENERATOR	BUSHING(S)
3	4"	FNPT	FUEL LEVEL	TANK LEVEL GAUGE
4	4"	FNPT	SECONDARY EMERG. VENT	EMERGENCY VENT CAP
5	4"	FNPT	PRIMARY EMERG. VENT	EMERGENCY VENT CAP
6	2"	FNPT	NORMAL VENT	NORMAL VENT CAP
7	4"	FNPT	FUEL LEVEL	LEVEL SWITCHES
8	4"	FNPT	FOS - GENERATOR	BUSHING(S)
9	2"	FNPT	MONITOR, LEAK DETECTION	SEC. CONT. LEAK SENSOR



19 ABOVEGROUND FUEL STORAGE TANK ARRANGEMENT

NTS



LEAK DETECTION PANEL LDP-1
SEQUENCE OF OPERATION:

1. UPON DETECTION OF AN OVERFILL CONDITION BY THE OVERFILL AND LOW FUEL LEVEL SWITCHES IN TANK AST-1, LEAK DETECTION PANEL LDP-1 WILL ALARM AND RELAY R1 CONTACT [TROUBLE ALARM] WILL CLOSE.
2. UPON DETECTION OF LIQUID BY THE SECONDARY CONTAINMENT LEAK SENSOR IN TANK AST-1, LDP-1 PANEL WILL ALARM AND RELAY R1 CONTACT [TROUBLE ALARM] WILL CLOSE.
3. UPON DETECTION OF A LOW FUEL CONDITION BY THE OVERFILL AND LOW FUEL LEVEL SWITCHES IN TANK AST-1, LDP-1 WILL ALARM AND RELAY R2 CONTACT [LOW FUEL ALARM] WILL CLOSE.
4. UPON SYSTEM ERROR OF POWER FAILURE CONDITION IN LDP-1, THE PANEL WILL ALARM AND RELAY R1 CONTACT [TROUBLE ALARM] WILL CLOSE.

8 CONTROL SCHEMATIC

NTS ****30% SUBMITTAL - NOT FOR CONSTRUCTION****

REV	DATE	BY	DESCRIPTION

MNS
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-787-0326 | www.mnsengineers.com

DESIGNED:	SR
DRAWN:	DB
CHECKED:	SR
QA/QC:	SF
CONSTRUCTABILITY:	SR

IRJ ENGINEERS, INC.
JOB No. 2501-00
MECHANICAL & ELECTRICAL ENGINEERS
P.O. BOX 1463, VENTURA, CALIFORNIA 93002
(805) 218-5345
STEVEN ROMOFSKY
MECHANICAL ENGINEER
M.E. 23191 EXP. 09/30/2026

08/25/2025
DATE

REGISTERED PROFESSIONAL ENGINEER
STEVEN F. ROMOFSKY
No. 23191
Exp. 09/26
MECHANICAL
STATE OF CALIFORNIA

0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

CONTROL SCHEMATIC, TANK ARRANGEMENT

PROJECT NUMBER: CWTRC.200476.06
DRAWING NUMBER: MH-03
SHEET NUMBER: 154 OF 154

Z250108R.DWG 20250822 MH-03.DWG 8/25/2025 8:19 AM © IRJ ENGINEERS, INC.