Exhibit A

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DRAFT RESOLUTION

Before the Planning Commission
in and for the County of Monterey, State of California

In the matter of the application of:
PAJARO COMMUNITY SERVICES DISTRICT (PLN250195)
RESOLUTION NO. 26-

Resolution by the County of Monterey Planning Commission:

1) Considering the adopted Initial Study/Mitigated Negative Declaration (IS/MND) for the Pajaro Sunny Mesa Springfield Area Regional Consolidation Project (State Clearinghouse No. 2025110647) and finding that no further environmental review is warranted pursuant to CEQA Guidelines section 15162; and
2) Approving a Combined Development Permit consisting of:
    a) Coastal Development Permit and Use Permit to allow improvements to the Pajaro Sunny Mesa Community Services Spring field water distribution system, including:
        a. Combining public and private water systems into one regional public water system to be operated by the Pajaro Sunny Mesa Community Services District;
        b. Distribution piping and installation of individual service laterals and meters to provide water service to eight additional connections;
        c. Construction of approx. 235,000 linear feet of pipeline including service laterals and appurtenances, a 125,000-gallon storage tank, and a new pump station at Bluff and Jensen Road (Assessor's Parcel Number (APN) 117-033-005-000);
        d. Demolition of existing piping, fencing, and a light pole, and construction of a 10,000-gallon tank with iron and manganese treatment system and a 9-foot-tall 1,808 square foot structure, an access ramp, and retaining walls at 136 San Juan Road (APN 117-351-032-000);
        e. Construction of a Transmission Booster Pump Station at APN 117-121-003-000 (on Elkhorn Road near intersection with Hudson Landing Road); and

f. total grading of approximately 53,130 cubic yards cut and 53,144 cubic yards fill;

3) Coastal Development Permit to allow development within 750 feet of known archaeological resources;
4) Coastal Development Permit to allow development on slopes in excess of 25%;
5) Coastal Development Permit to allow development within 100 feet of Environmentally Sensitive Habitat Areas; and
6) Coastal Development Permit to allow the removal of two Coast live oak trees.

[PLN250195, Pajaro Sunny Mesa Community Services District, 136 San Juan Road, Royal Oaks (various Assessor's Parcel Numbers, owners and situs addresses), North County Area Plan and North County Land Use Plan]

The PAJARO COMMUNITY SERVICES DISTRICT application (PLN250195) came on for a public hearing before the County of Monterey Planning Commission on August 12, 2026. Having considered all the written and documentary evidence, the administrative record, the staff report, oral testimony, and other evidence presented, the Planning Commission finds and decides as follows:

FINDINGS

1. FINDING: **CONSISTENCY** – The Project, as conditioned, is consistent with the applicable plans and policies which designate this area as appropriate for development.

EVIDENCE: a) During the course of review of this application, the project has been reviewed for consistency with the text, policies, and regulations in:

- the 1982 Monterey County General Plan (Coastal General Plan);
- North County Land Use Plan (NCLUP);
- Monterey County Coastal Implementation Plan, Part 2, Regulations for Development in the North County Land Use Plan (CIP);
- Monterey County Zoning Ordinance (Title 20);
- the 2010 Monterey County General Plan (Inland General Plan);
- North County Area Plan (NCAP); and
- Monterey County Zoning Ordinance (Title 21).

No conflicts were found to exist. No communications were received during the course of review of the project indicating any inconsistencies with the text, policies, and regulations in these documents.

b) Background. The Pajaro Sunny Mesa Springfield Area Regional Consolidation Project would combine the following public water systems and private wells into one regional public water system to be operated by the Pajaro Sunny Mesa Community Services District (PSMCSD):

- Pajaro water system (PWS; 463 active connections, consisting of 358 residential connections and 105 commercial/industrial connections);
- Sunny Mesa water system (SMWS; 268 active connections, consisting of 257 residential connections and 11 commercial connections);
- Springfield water system (SWS; 159 residential connections and two commercial/industrial connections)
- Two state-regulated water systems, nine small water systems, and private wells north of Moss Landing (NOML; 77 connections, consisting of 34 residential connections on water systems and 43 residential connections on private domestic wells).

The Proposed Project is necessary to address long-standing contamination and vulnerability within the PWS, SMWS, SWS, and NOML systems. The Proposed Project area consists of the existing and proposed future service areas of the PWS, the SMWS, the SWS, and the NOML area. Additionally, the regional public water system's service area would be expanded to include eight parcels that are not currently within the PSMCSD's service area. Once fully operational, the proposed project would serve approximately 967 total connections.

The project would primarily be supplied with water from three sources, comprised of Pajaro Wells Nos. 1 and 2, and Springfield Well No. 2. The two Pajaro Wells would operate on alternating days to meet the average daily demand for the consolidated water system. Additionally, SMWS Wells No. 1 and No. 2 would be retained as standby water sources, for an overall total of five water sources.

The project includes new pipelines, storage tanks, booster pump stations, upgraded wells, treatment systems, and water service connections to eight new residential connections. Older infrastructure and unsafe private wells would either be removed or converted for non-potable irrigation use. The project is intended to improve drinking water quality, increase reliability, and reduce long-term risks from contamination and flooding. The overall project would be constructed in two Phases. The project will use funding from the State Water Resources Control Board (SWRCB) Expedited Drinking Water Grant for Phase I, and from the California Safe Drinking Water State Revolving Fund through the SWRCB for Phase II. The project is located along San Juan Road, Salinas Road, Highway 1, Hilltop Road, Jensen Road, Bluff Road, Trafton Road, and Struve Road within the Coastal Zone and Inland Zone of North County.

c) Site Improvements and New Facilities. The project involves a Coastal Development Permit and Use Permit for the construction of public utilities and related infrastructure, including approximately 235,000 linear feet of pipeline, including service laterals and appurtenances, a 125,000-gallon storage tank, and a new pump station at Bluff and Jensen Road (Assessor's Parcel Number (APN) 117-033-005-000). The

following project components will be implemented as part of the Pajaro Sunny Mesa Springfield Area Regional Consolidation Project:

PWS Iron and Manganese Treatment System & Facility Flood Protection: The project proposes the installation of a 14-foot-tall 10,000-gallon tank and treatment system to remove high levels of iron and manganese from the existing Pajaro Well No. 1, located at 136 San Juan Road (Assessor's Parcel Number (APN) 117-351-032-000). The parcel is zoned Public Quasi-Public or "PQP" and is within the inland area of North County, which is guided by the NCAP. The underlying zoning district allows public utility uses and accessory structures, subject to the granting of a Use Permit. Treatment of this well would provide the consolidated water system with an additional and reliable source of potable water. Sludge generated by the proposed Iron and Manganese Treatment System would be discharged to the existing sewer line located within the public right-of-way of San Juan Road. Additional modifications to the site include demolition of existing piping, fencing, and a light pole, and construction of a new 9-foot-tall, 1,808-square-foot structure for chemical and electrical equipment, an access ramp, retaining walls, and approximately 2,000 square feet of new impervious surfaces at the southeastern corner of the site. The new facilities at this site will be constructed above flood elevation level, and new drainage management features will be installed to manage on-site flood flows. All other equipment, including the existing hydropneumatic tank, would be protected in place.

PWS Tank Rehabilitation: The project would include modifications to the existing Pajaro tank and booster pump station located off Railroad Avenue in Pajaro (APNs 117-263-002-000, 117-263-005-000, and 117-263-006-000). The parcels are zoned Public Quasi-Public or "PQP" within the inland area of North County, which is guided by the NCAP. The underlying zoning district allows public utility uses and accessory structures, subject to the granting of a Use Permit. Alterations to the site would support installation of a bypass valve vault, the replacement of the existing 10-inch electromagnetic flow meter, and the rehabilitation of the existing 600,000-gallon welded steel water tank. All proposed improvements will be made within the existing developed site.

SMWS Tank Site Upgrades: The SMWS tank site is located off Stone Ridge Drive in Royal Oaks (APN 117-191-004-000). The parcel is zoned Resource Conservation with a maximum gross density of one unit per 10 acres with a Visual Sensitivity overlay or "RC/10-VS" within the inland area of North County, which is guided by the NCAP. The underlying zoning district allows improvements to water system facilities, including wells and storage tanks serving fifteen (15) or more service connections, subject to the granting of a Use Permit. Improvements to the existing tank site include instrumentation, controls, and communication system improvements to integrate site operation into the proposed centralized Supervisory Control and Data Acquisition (SCADA) system. These improvements would also occur entirely

within the developed site and would not result in impacts to visual resources given the existing fence screening around the tank site.

Transmission Booster Pump Station: The project proposes construction of a new transmission booster pump station located off Elkhorn Road at the existing SMWS well site (APN 117-121-003-000 and 117-121-004-000). The parcels are zoned Coastal General Commercial in the Coastal Zone, or "CGC(CZ)," and Agricultural Conservation in the Coastal Zone, or "AC(CZ)," which are guided by the NCLUP. The underlying zoning districts allow public utilities and infrastructure subject to the granting of a Coastal Development Permit. The new station would transport water from PWS to SMWS, then pump water to the Bluff/Jensen Road area and down to the SWS. This system upgrade would provide a total pumping capacity rate of 700 gallons per minute (gpm). Other project components include a bypass vault, on-site security improvements, relocation of the existing water meter and lateral for the adjacent property to the north, replacement of the existing driveway access, and installation of approximately 150 square feet of new impervious surfaces and 2,350 square feet of replacement impervious surfaces. This site would retain the existing SMWS Wells No. 1 and No. 2 to serve as standby water sources. This portion would require the removal of two Coast Live Oak trees, as further analyzed in Finding No. 6 and supporting evidence.

Bluff/Jensen Tank and Pump Station Site: The project proposes the construction of a new booster pump station and water storage tank on a 10,000 square foot portion of an approximately 461,736 square foot (10.6 acre) site at the corner of Bluff and Jensen Road (APN 117-033-005-000). The parcel is zoned Coastal Agricultural Preservation in the Coastal Zone or "CAP(CZ)," which is guided by the NCLUP. The underlying zoning district allows public utilities and infrastructure subject to the granting of a Coastal Development Permit. This system component would transport water from the transmission main into the Bluff/Jensen area while providing water flow for fire prevention. The pumping facility consists of a 24-foot-tall 125,000-gallon potable water storage tank, four vertical turbine can pumps, a hydropneumatic pressure tank, a back-up generator, and construction of a 229 square foot chemical and electrical building housing a tank mixing and chlorine residual control system. Site access would be provided by a new 20-foot-wide driveway with a rolling gate on Jensen Road. Other site improvements include 8-foot-tall security fencing and a transformer. The Bluff/Jensen tank and pump station would result in the permanent conversion of approximately 0.4 acres of farmland to non-agricultural use. See Finding No. 1, Evidence "h".

Lateral Connections and Distribution Piping: The Proposed Project includes approximately 46,000 linear feet ("LF") of potable water mains, and a total of 235,000 LF of total pipeline, when including service laterals and appurtenances. The pipeline infrastructure would include pipelines of six, eight, and 12-inch diameters. Pipeline

installation would primarily utilize open trench construction methods with an anticipated trench width of 24 to 30 inches and a minimum depth of cover of 36 inches within the public ROWs and private roadways, with greater depths potentially required within easements located on and adjacent to agricultural areas. New water laterals and service meters would be installed to provide connection to each residence added to the applicable water systems.

Project Phasing. The proposed project will be completed in two phases. Phase I of the project focuses on connecting the existing public water systems and improving infrastructure already owned and operated by the PSMCSD. This phase includes transmission pipelines, rehabilitation of an existing 600,000-gallon water tank, installation of an iron and manganese treatment system at Pajaro Well No. 1, radio-read water meters, and a centralized SCADA system for remote system monitoring and operation. A new transmission booster pump station would also be constructed to regulate pressure zones within the regional system. Phase I is designed to function independently if funding delays affect Phase II.

Phase II expands water service into the NOML area. This phase includes additional distribution pipelines, a new water storage tank and pump station near Bluff and Jensen Roads, new service connections to homes, destruction of unsafe private wells, and abandonment of older, small water systems that are not suitable for integration into the regional system. Some private wells may remain for irrigation use if property owners meet backflow prevention and permitting requirements. The project includes new pipelines, ranging from four to 12 inches in diameter. Pipelines would be installed mainly within existing roads and utility corridors using open trench construction. In sensitive habitat areas, horizontal directional drilling would be used to avoid environmental impacts. The system would include valves, hydrants, sampling stations, and flushing points to maintain water quality and fire protection. Roads disturbed during construction would be repaired according to the County of Monterey and Caltrans District 5 requirements. Additionally, Phase II would include the construction of a new Bluff/Jensen Road Tank and Pump Station on agricultural land within the coastal zone. This facility would include a 125,000-gallon water storage tank, pumps, backup power, water treatment equipment, security fencing, and paved access improvements. This station would help deliver water services and fire protection to homes in the Bluff and Jensen areas.

d) Allowed Use. The project involves consolidation and improvements to three water systems operated by the PSMCSD. The District is regulated by the California Public Utilities Commission (CPUC) and operates multiple water service systems in northern Monterey County. The Project involves consolidating PWS, SMWS, and SWS into one regional system in portions of the North County Area Plan and North County Land Use Plan area. The project components would be located on multiple parcels with zoning designations that include Farmland with a minimum building site of 40 acres (F/40), Resource Conservation with

a maximum gross density of one unit per 10 acres with a Visual Sensitivity overlay (RC/10-VS), Public/Quasi Public (PQP), Agricultural Conservation in the Coastal Zone (AC (CZ)), Coastal Agricultural Preserve in the Coastal Zone (CAP (CZ)), and Coastal General Commercial in the Coastal Zone or (CGC (CZ).

The project is PQP in nature, and the majority of the project will occur at existing PSMCSD facilities and within existing rights-of-way. The above-listed zoning districts all allow for PQP uses, such as public utility improvements. Public utility uses, accessory structures, and PQP uses are allowed uses, subject to the granting of a Use Permit for the inland areas of North County pursuant to Title 21, and a Coastal Development Permit within the coastal areas pursuant to Title 20. Therefore, the proposed development is an allowed use. The project involves development within 100 feet of ESHA, 750 feet of known archaeological resources, on slopes in excess of 25%, and the removal of two native trees (at the Transmission Booster Pump Station component), and therefore requires the granting of Coastal Development Permits in each case.

Portions of the project not already connected to the PSMCSD are within the service area according to the maps published by the Local Agency Formation Commission for Monterey County (LAFCO) and will require annexation.

e) Environmentally Sensitive Habitat Area (ESHA). The project involves a Coastal Development Permit for development within 100 feet of ESHA (pond, wetland, riparian, and habitats of special status species). Pursuant to NCLUP section 20.144.040, development within 100 feet of ESHA must minimize impacts in accordance with the applicable goals and policies of the NCLUP. The criteria to grant a Coastal Development Permit have been met in this case. See Finding No. 4 and supporting evidence.

f) Cultural Resources. The project areas are located within moderate to high sensitivity zones for archaeological resources. Pursuant to the North County CIP section 20.144.110.A, development proposed within 750 feet of a known archaeological resource requires a Coastal Development Permit. Furthermore, pursuant to North County CIP section 20.144.110.B, a Phase I Inventory of Archaeological Resources (County of Monterey Library No. LIB260033) was prepared for the project by Achasta Archaeological Services. The records identified 12 previously reported sites within 750 feet of the project area and three sites within the project area of potential effect. Visual inspections at each project location were performed by the archaeologist on October 13, 2023, November 7, 2024, and November 27, 2024. Although no resources or site indicators were observed during the field inspections, it is presumed that subsurface materials related to one of the positive sites remain intact along the Struve Road. The project has been conditioned to require a contract with a Registered Professional Archaeologist for monitoring during construction activities to help to reduce the project's impact to a level of less-than-significant

(Condition No. 3). Similarly, the Mitigation Monitoring and Reporting Program associated with the PSMCSD's adoption of a Mitigated Negative Declaration for the project required Tribal monitoring in addition to Archaeological monitoring. See Finding No. 8, Evidence "h".

g) Development on Slopes in Excess of 25%. The project proposed approximately 600 square feet of development on slopes. Pursuant to Title 20 section 20.64.230.E, a Coastal Development Permit is required to allow impacts to slopes greater than 25% in the North County Coastal Zone. The criteria to grant a Coastal Development Permit have been met in this case. See Finding No. 5 and supporting evidence. There is no development on slopes in excess of 25% in the inland areas covered by this project.

h) Conversion of Prime Farmland. Pursuant to NCLUP Policy 2.6.2.2, conversion of Agriculture Preservation or Agricultural Conservation farmland for non-agricultural use shall be permitted only where there is an overriding need to protect the public health and safety. The project proposes to convert 0.4 acres of farmland from a 10.6-acre parcel for the construction of the Bluff/Jensen Road tank and pump station. The location of the tank is placed closest to the corner of Jensen and Bluff Road to minimize conversion of farmland to the greatest extent feasible. Relocating the tank site would cause greater disturbance to row-crop production and make it difficult to maneuver harvesting equipment around the tank pad. Furthermore, simple and direct access from Jensen Road allows for easy maintenance of the site, rather than relying on the existing dirt roads used by the farm workers. Utilizing access from Jensen Road will reduce potential safety hazards to those working in the field. Given the water quality issues in northern Monterey County, conversion of 0.4 acres of farmland is the minimum necessary to provide a safe and reliable water supply to an underserved community. Additionally, conversion of 0.4 acres would not impact the ongoing agricultural operation and long-term viability of the farm because 10.2 acres is considered sufficient to maintain row crop production.

i) Tree Removal. In accordance with the policies of the NCLUP and Title 20, a Coastal Development Permit is required to allow the removal of two protected Coast Live Oak trees. The project meets the required findings to allow the removal of trees, as demonstrated in Finding No. 6 and supporting evidence. No tree removal is proposed in the inland areas of the project.

j) Land Acquisition, Annexations, and Easements. The project would require permanent easements for maintenance of the infrastructure, temporary easements, and/or property acquisitions in several areas for the Bluff/Jensen Tank and Pump Station site, construction staging areas, and various transmission and distribution pipelines. Additionally, the project would provide new service connections to eight parcels through a Sphere of Influence Amendment and Service Area Annexation, requiring Local Agency Formation Commission (LAFCO) approval (Condition No. 15). Although the Proposed Project would expand the District's service boundary through annexation, the purpose of this expansion is to replace and rehabilitate existing failing and unsafe

private water systems currently serving existing homes and businesses. The areas proposed for annexation are already developed, and the Proposed Project does not propose, authorize, or facilitate new residential or commercial construction.

k) Floodplain. Portions of the project involve work within the Federal Emergency Management Agency (FEMA) mapped floodplain. The project was reviewed against the County's regulations for development within floodplains and was found to be consistent with Title 16.16 of the Monterey County Code. See Finding No. 3, Evidence "e."

l) Agricultural Advisory Committee (AAC) Review: The project was referred to the Agricultural Advisory Committee on May 28, 2026. The committee voted to recommend approval of the project as proposed by a vote of 9-0, with 3 members absent.

m) Land Use Advisory Committee (LUAC) Review. The project was referred to the North County LUAC for review. On May 6, 2026, the LUAC recommended approval of the project by a vote of 5-1, with 3 members absent. One LUAC member expressed concerns regarding the amount of grading in the proximity of sensitive habitat and archaeological resources, which they felt were not completely studied or reviewed. Staff responded to these concerns at the LUAC by confirming that the project applicant prepared and circulated an Initial Study Mitigated Negative Declaration, which thoroughly analyzed potential impacts on these resources. Project impacts have been reduced to a less-than-significant level through the implementation of mitigation measures, which have been applied as conditions of approval to this Resolution. See Finding No. 8 and supporting evidence.

n) The project planner conducted site inspections on May 19, 2026, and July 14, 2026, to verify that the project on the subject parcel conforms to the plans listed above.

o) The application, project plans, and related support materials submitted by the project applicant to the County of Monterey HCD-Planning can be found in Project File PLN250195.

2. FINDING: **SITE SUITABILITY –** The site is physically suitable for the proposed development and/or use.

EVIDENCE: a) The project has been reviewed for site suitability by the following departments and agencies: HCD-Planning, HCD-Engineering Services, HCD-Environmental Services, Environmental Health Bureau, Agricultural Commissioner's Office, Water Resources Agency, and the North County Fire Protection District (FPD). County staff reviewed the application materials and plans to verify that the project on the subject site conforms to the applicable plans and regulations, and there has been no indication from these departments/agencies that the site is not suitable for the development. Conditions recommended have been incorporated.

b) Staff identified potential impacts to archaeological, cultural, biological and soil resources. The following reports have been prepared:

- "Phase I Archaeological Report" (County of Monterey Library No. LIB260033) prepared by Achasta Archaeological Services, Marina, CA, November 2023; Revised July 2025.

- "Biological Report" (County of Monterey Library No. LIB260034) prepared by Denise Duffy & Associates, Inc., Monterey, CA, November 2025.
- "Geotechnical Report" (County of Monterey Library No. LIB260035) prepared by Pacific Crest Engineering, Inc., Watsonville, CA, May 2025.

The above-mentioned technical reports by outside consultants indicated that there are no physical or environmental constraints that would indicate that the site is not suitable for the use proposed. County staff has independently reviewed these reports and concurs with their conclusions.

c) Staff conducted site inspections on May 19, 2026, and July 14, 2026, to verify that the site is suitable for this use.

d) The application, project plans, and related support materials submitted by the project applicant to the County of Monterey HCD-Planning can be found in Project File PLN250195.

3. FINDING: **HEALTH AND SAFETY –** The establishment, maintenance, or operation of the project applied for will not under the circumstances of this particular case be detrimental to the health, safety, peace, morals, comfort, and general welfare of persons residing or working in the neighborhood of such proposed use, or be detrimental or injurious to property and improvements in the neighborhood or to the general welfare of the County.

EVIDENCE: a) The project was reviewed by HCD-Planning, HCD- Engineering Services, HCD-Environmental Services, Environmental Health Bureau, Agricultural Commissioner's Office, Water Resources Agency, and the North County FPD. The respective agencies have recommended conditions, where appropriate, to ensure that the project will not have an adverse effect on the health, safety, and welfare of persons either residing or working in the neighborhood.

b) The project will provide the required upgraded public water system facilities (PWS, SMWS, SWS, and NOML) for the surrounding area, including a safe and reliable source of potable water. No wastewater system improvements are being proposed as part of this application.

c) On February 23, 2026, the Environmental Health Bureau (EHB) reviewed the drinking water quality of the proposed PSMCSD regional consolidation project. The project would primarily be supplied with water from three sources: PWS Wells Nos. 1 and 2, and SWS Well No. 2. PWS Wells Nos. 1 and 2 would operate on alternating days for approximately 7.5 and 3.7 hours to meet the average daily demand for the consolidated water system. The existing water systems in the area face major water quality and reliability problems. PWS serves about 463 connections and around 6,500 people with two production wells located on the southern bank of the Pajaro River, south of the City of Watsonville. However, Pajaro Well No. 1 contains iron and manganese levels above drinking water standards. The SMWS serves about 268 connections and has two wells with hexavalent chromium contamination above state limits. The SMWS service area is bounded by Salinas Road to the north, Elkhorn Road to the east, Elkhorn Slough to

the south, and Highway 1 to the west. One Sunny Mesa well has also suffered flood damage, and another is offline because of well casing failure. Furthermore, SWS has experienced nitrate and 1,2,3-Trichloropropane contamination and currently relies on limited water sources. In the NOML area, many homes depend on small water systems or private wells with nitrate, arsenic, seawater intrusion, and other contamination problems. Some systems are already out of compliance with state drinking water standards. Once fully operational, the proposed project would serve approximately 967 total connections. This includes accommodating existing connections within the area by transferring water service to the consolidated water system, and the nearly served parcels.

SMWS consists of two groundwater wells (SMWS Nos. 1 and 2). The primary source of water for SMWS will come from Well No. 2, which has a pumping capacity rate of 220 gpm. In 2023, this well failed during a flooding event but has since been restored. However, Well No. 2 remains susceptible to failure by flooding due to its location on the southern bank of the Pajaro River and is nearing the end of its operating life. SMWS Well No. 1 has a pumping rate of 375 gpm and will be the secondary source of water for this system. Well No. 1 is primarily used in the summer season when water demand is much higher.

SWS Well No. 2 will be equipped with improvements, including a new submersible well pump, chlorination facilities, two new 110,000-gallon water storage tanks and a new booster pump station. The booster pump station will include a hydropneumatic tank and four pumps to provide fully redundant domestic and fire service. SWS Well No. 1 and the existing well at the Moss Landing Mobilehome Park will be destroyed in accordance with EHB standards. Replacement of the existing SWS distribution system will also include new water laterals and installed service meters to provide a connection to each residence added to the SWS system.

PSMCSD must work with the State of California Water Resources Control Board's Division of Drinking Water to obtain approval to amend the existing water system permits to consolidate the three water systems under a single permit. Additionally, the project is required to design the water system improvements to meet fire flow standards as required and approved by the local fire protection agency (Condition No. 8). Furthermore, pursuant to General Plan Policy 21.1.6, the County is required to identify and have property owners repair or destroy wells that contribute to groundwater degradation. Water wells that cannot be repaired are required to be destroyed in accordance with state-regulated standards and no longer be in service according to the standards found in State of California Bulletin 74 and all its supplements, and Chapter 15.08 of the Monterey County Code (Condition No. 9).

d) In accordance with Monterey County Code Chapter 16.14, the project applicant is required to submit a Stormwater Pollution Prevention Plan including Waste Discharger Identification number certifying the project

is covered under the California Construction General Permit, or a letter of exemption from the Central Coast Regional Water Quality Control Board prior to issuance of a construction permit (Condition No.7).

e) Floodplain. Some portions of the project are located within FEMA floodplain Zones AE and X. Standards for utilities pursuant to section 16.16.050.F require all new and replacement water supplies to be designed to minimize or eliminate infiltration of flood waters into the system and discharge from systems into flood waters. Furthermore, section 16.16.050.K requires a setback of 200 feet from the top of the bank of a river and 50 feet from the top of the bank of a watercourse where encroachment will be prohibited. The proposed infrastructure upgrades are designed to elevate existing and new equipment out of the floodplain for the purpose of providing a safe and reliable water supply to PSMCSD customers. Therefore, the project is found to be consistent with the development standards for flood hazard reduction outlined in Chapter 16.16.

f) Staff conducted site inspections on May 19, 2026, and July 14, 2026, to verify that the project will not have an adverse effect on the health, safety, and welfare of persons either residing or working in the neighborhood.

g) The application, project plans, and related support materials submitted by the project applicant to the County of Monterey HCD-Planning can be found in Project File PLN250195.

4. FINDING: **ENVIRONMENTALLY SENSITIVE HABITAT AREA** – The subject project minimizes impact on environmentally sensitive habitat areas in accordance with the applicable goals and policies of the applicable area plan and zoning codes.

EVIDENCE:

a) The project includes an application for development within 100 feet of environmentally sensitive habitat areas (ESHA). In accordance with the applicable policies of the NCLUP and Title 20, a Coastal Development Permit is required, and the criteria to grant said permit have been met.

b) Pursuant to the North County CIP section 20.144.040.A, a Biological Report (County of Monterey Library No. LIB260034) was prepared for the project by Denise Duffy and Associates. Site surveys were conducted within the evaluated project areas on May 20, 23, June 18, 2024, and June 11, 2025. The surveys included the transmission and distribution pipeline alignments, the transmission booster pump station, the Bluff-Jensen Tank and Booster Pump Station, and the potential additional construction staging area along Hilltop Road. Denise Duffy & Associates did not observe any special-status plant species during focused surveys in 2024 or 2025. However, the survey identifies suitable habitat for several special-status wildlife species that are known or have the potential to occur within or adjacent to most of the evaluated project areas. Pursuant to NCLUP Policy 2.3.2.8, where development is permitted in or adjacent to ESHA (consistent with all other resource protection policies), the County, through the development review process, shall restrict the removal of indigenous vegetation and land disturbance (grading, excavation, paving, etc.) to the minimum amount necessary for structural improvements. In accordance with this policy,

the project has been designed to avoid riparian habitat, which includes habitat for special-status wildlife species, to the greatest extent feasible.

c) PSMCSD's adopted Mitigated Negative Declaration identified potential impacts to several special-status wildlife species known to occur near riparian habitat. A small riparian area is present within the transmission main easement, just north of the intersection of Highway 1 and Springfield Road. Additionally, riparian habitat is present north and south of Werner Road, west of Hilltop Road near the agricultural facilities, and east and west of Elkhorn Road, associated with Werner Lake. Adjacent to the Bluff/Jensen expansion area, riparian habitat is also present adjacent to the terminus of the distribution pipeline along Trafton Road and a nearby service area, as well as adjacent to the Springfield expansion area, where riparian habitat is present east of Struve Road associated with Struve Pond. The potential special-status wildlife species known to be within the project areas are the following: Pallid Bat, Monterey Dusky-Footed Woodrat, Monterey Shrew, Tricolored Blackbird, Western Burrowing Owl, White-Tailed Kite, Loggerhead Shrike, California Tiger Salamander, California Red-Legged Frog, Santa Cruz Long-Toed Salamander, Coast Range Newt, Western and Crotch Bumble Bee, and Raptors and other protected avian species. During construction of the project, a qualified biologist will be on-site to monitor the potential presence of these special-status species and implement best management practices to avoid or mitigate impacts on ESHA.

d) The IS/MND adopted for the project identifies 14 mitigation measures through the adoption of a Mitigation Monitoring and Reporting Program to reduce impacts to special-status wildlife species to a less-than-significant level. See Finding No. 8, Evidence "g".

e) In Accordance with NCLUP Policy 2.3.2.5, where private or public development is proposed in documented or potential locations of environmentally sensitive habitats, field surveys by qualified individuals shall be required in order to determine precise locations and to recommend mitigating measures to ensure protection of any sensitive habitat present. To comply with this policy, the IS/MND requires implementation of best management practices (BMPs) to avoid and reduce impacts to special-status wildlife species and their habitats (BIO-2), including temporary construction fencing or flagging placed to keep construction vehicles and personnel from impacting special-status wildlife habitat (BIO-3), pre-construction survey for special-status species 48 hours before ground disturbing activities (BIO-4), biological monitoring during and after vegetation removal (BIO-5 and BIO-6) and surveys for the Western Burrowing Owl (BIO-11), Crotch and Western Bumble Bee (BIO-13). Furthermore, an Employee Education Program for the construction crew will be required prior to any construction activities (BIO-1). Through the implementation of these measures, the project will have a less than significant impact on biological resources.

f) Pursuant to NCLUP Policy 2.3.2.10, construction activities that would affect rare and endangered birds shall be regulated to protect habitats of rare, endangered, and threatened birds during breeding and nesting seasons. The project IS/MND identified mitigation measures to reduce

biological impacts on protected birds. The IS/MND requires a site survey for pallid bats during any tree trimming or removal from September 15 through November 1 (BIO-7 and BIO-8), a pre-construction survey for the Monterey Dusky-Footed Woodrat (BIO-9), a survey for raptors and other avian species from February 1 through September 15 (BIO-10), and a survey for the Western Burrowing Owl (BIO-11). Through the implementation of these measures in conjunction with monitoring and pre-construction surveys by the project Biologist, construction activities would not have an adverse effect on rare, endangered, threatened, or protected species to a level of less than significant. Therefore, the project is consistent with NCLUP Policy 2.3.2.10. See Finding No. 8, Evidence "h."

g) The project planner conducted site inspections on May 19, 2026, and July 14, 2026, to verify ESHA locations and potential project impacts to ESHA.

h) The application, project plans, and related support materials submitted by the project applicant to the County of Monterey HCD-Planning can be found in Project File PLN250195.

5. FINDING: **DEVELOPMENT ON SLOPES IN EXCESS OF 25%** – The proposed development better achieves the goals, policies and objectives of the Monterey County 1982 General Plan, NCLUP, and the Monterey County Zoning Ordinance (Title 20) than other development alternatives.

EVIDENCE: a) In accordance with the applicable policies of the NCLUP and Title 20 section 20.64.230.E, a Coastal Development Permit is required, and the criteria to grant said permit have been met.

b) The project includes an application for minor development on slopes exceeding 25%. Approximately 600 square feet, equating to roughly 100 cubic yards of development, will occur on slopes for the water system upgrades. The areas containing impacts to slopes will be on Bluff Road for the installation of service laterals to the existing residences (APNs 117-043-022-000 and 117-043-013-000), one service lateral on Trafton Road (APN 117-042-009-000), and the SMWS Transmission Booster Pump Station site improvements off Elkhorn Road (APN 117-121-004-000). Construction of the pipelines and service laterals will have trenches no deeper than approximately 4 to 4.5 feet. The trenches will be backfilled once the new infrastructure is installed. Grading at the booster pump station will accommodate a building pad for the relocation of an existing generator to be closer to the proposed enclosed structure that will house the booster pump station. Given the minor and somewhat temporary nature of development on slopes, this is the minimum necessary for the water system upgrades. Additionally, there is no other feasible alternative for the placement of the water system upgrades, as the areas of proposed replacement pipelines and service laterals have been previously disturbed.

c) The purpose of the PSMCSD Regional Water System Consolidation project is to address critical water quality issues in North County. According to the 1982 General Plan Policy 21.2.1, the County shall

require all new and existing development to meet federal, state, and County water quality regulations. By consolidating the water systems out of compliance due to water quality issues into a single centralized system that is designed to provide a safe and reliable long-term water supply, the project meets the goals of this policy. To accomplish this, the project will involve approximately 600 square feet of development on slopes in excess of 25%. There is no reasonable alternative that would allow these public utility improvements to proceed without developing on steeper slopes. Therefore, the project meets the required findings to allow development on slopes.

d) The subject project minimizes development on slopes exceeding 25% in accordance with the applicable goals and policies of the NCLUP and Title 20. However, the Planning Commission shall require such conditions of approval and changes in the development as it may deem necessary to assure compliance with Title 20 section 20.64.230.E.1.

e) The project planner conducted site inspections on May 19, 2026, and July 14, 2026, to verify that the proposed project minimizes development on slopes exceeding 25%.

f) The application, project plans, and related support materials submitted by the project applicant to the County of Monterey HCD-Planning can be found in Project File PLN250195.

6. FINDING: **TREE REMOVAL** – The subject project minimizes tree removal in accordance with the applicable goals and policies of the NCLUP and the associated Coastal Implementation Plan.

EVIDENCE:

a) The project includes an application for the removal of two Coast Live Oak trees. In accordance with NCLUP section 20.144.050.A.1 and the Monterey County Zoning Ordinance (Title 20), a Coastal Development Permit is required for the removal of Coast Live Oak trees greater than six inches in diameter measured two feet above the ground, and the criteria to grant said permit have been met.

b) The project proposes the removal of a 10-inch and 16-inch diameter Coast Live Oak tree within the SMWS Transmission Booster Pump Station site off Elkhorn Road (Assessor's Parcel Number 117-121-003-000). The project site exhibits a dense patch of Coast Live Oaks. The tree removal would accommodate the necessary site improvements to the existing pump station. A Biological Report was prepared for the project (County of Monterey Library No. LIB260034) by Denise Duffy and Associates, which analyzed tree removal. The two trees proposed for removal are the minimum amount necessary to implement the water system upgrade. All other trees on the project site would be protected in place.

c) Pursuant to NCLUP section 20.144.050.B.1, a Forest Management Plan is only required for the removal of three or more protected trees. The project proposes the removal of two oaks for the purpose of installing water system improvements at the SMWS Transmission Booster Pump Station. Therefore, the project is exempt from this requirement.

d) The project has been designed and sited to minimize the removal of protected trees to the greatest extent feasible. The purpose of the tree removal is to relocate existing infrastructure to higher ground and out of

the FEMA floodway Zone AE, which is subject to periodic flooding events from the adjacent stream along the railroad. The site slopes downward and relocating the infrastructure elsewhere would either block driveway access, cause further development on slopes exceeding 25%, or be within the low-lying portion of the property closest to the floodway. Therefore, the relocation of infrastructure to the proposed new location requires the minimal amount of tree removal necessary to provide flood protection to the existing public water system.

e) The tree removal will not involve a risk of adverse environmental impacts. The project site exhibits a dense patch of Coast Live Oak trees. Removal of two oaks from this area will not degrade the oak woodland existing on the property. All other oak trees will be retained on site. As part of the IS/MND, mitigation measure BIO-14 requires biological monitoring during vegetation and tree removal to ensure the protection of oak woodland habitat. See Find No. 8, Evidence "h."

f) Measures for tree protection during construction have been incorporated as conditions of approval and include tree root protection during construction (Condition No. 12), issuance of a construction permit prior to tree removal (Condition No. 13), and a tree replacement ratio of 1:1 for a total of two oak trees will be required after construction is final (Condition No. 14).

g) Staff conducted site inspections on May 19, 2026, and July 14, 2026, to verify that the tree removal is the minimum necessary for the project and to identify any potential adverse environmental impacts related to the proposed tree removal.

h) The application, project plans, and related support materials submitted by the project applicant to the County of Monterey HCD-Planning can be found in Project File PLN250195.

7. FINDING: **NO VIOLATIONS –** The subject PSMCSD properties are in compliance with all rules and regulations pertaining to zoning uses, subdivision, and any other applicable provisions of the County's zoning ordinance. No violations exist on these properties.

EVIDENCE:

a) Staff reviewed Monterey County HCD-Planning and HCD-Building Services records and are not aware of any violations existing on the subject properties.

b) Staff conducted site inspections on May 19, 2026, and July 14, 2026, and researched County records to assess if any violations exist on the subject properties.

c) The application, project plans, and related support materials submitted by the project applicant to the County of Monterey HCD-Planning can be found in Project File PLN250195.

8. FINDING: **CEQA (Consider a Previously Adopted Mitigated Negative Declaration)** - On the basis of the whole record before the Monterey County Planning Commission, there is no substantial evidence that the proposed project as designed, conditioned and mitigated, will have a significant effect on the environment. The County, as the decision-making body of a Responsible Agency, hereby confirms that it reviewed and considered the information contained in the Lead Agency's

(PSMCSD) Initial Study and Mitigation Monitoring Plan prior to acting upon or approving the project.

EVIDENCE:

a) Pursuant to Public Resources Code Section 21083 and California Environmental Quality Act (CEQA) Guidelines Sections 15063(a) and 15063(b)(2), the Lead Agency shall conduct environmental review in the form of an Initial Study to determine if the project may have a significant effect on the environment, and shall prepare a Negative Declaration or Mitigated Negative Declaration if there is no substantial evidence that the project or any of its aspects may cause a significant effect on the environment.

b) Pursuant to CEQA Section 15073(a), Denise Duffy & Associates prepared a draft IS/MND on behalf of PSMCSD and circulated the document for a 30-day review period (November 18, 2025 through December 17, 2025).

c) There is no substantial evidence, based upon the record as a whole, that the project may have a significant effect on the environment. The Initial Study identified several less than significant effects and mitigation measures to avoid and reduce potentially significant effects to biological and cultural resources to a less than significant level. Thus, based upon the analysis of the Initial Study, PSMCSD prepared a Mitigated Negative Declaration (State Clearinghouse No. 2025110647).

d) Resource areas that were analyzed in the IS/MND include: aesthetics, agriculture and forest resources, air quality, biological resources, cultural resources, energy, geology/soils, greenhouse gas emissions, hazards/hazardous materials, hydrology/water quality, land use/planning, mineral resources, noise, population/housing, public services, recreation, transportation/traffic, tribal cultural resources, utility/service systems, and wildfires.

e) Evidence that has been received and considered includes: the application, technical studies/reports, staff reports that reflect the County's independent judgment, and information and testimony presented during public meetings and hearings. These documents are on file in HCD-Planning (Planning File No. PLN250195) and are hereby incorporated herein by reference.

f) The Initial Study identified potentially significant effects to Biological Resources, Cultural Resources, Hazards and Hazardous Materials, Hydrology and Water Quality, Noise, Tribal Cultural Resources, and Utilities and Service Systems; however, the applicant has agreed to proposed mitigation measures that avoid the effects or mitigate the effects to a point where clearly no significant effects would occur.

g) All project changes required to avoid significant effects on the environment have been incorporated into the project and/or were adopted by PSMCSD as Mitigation Measures in a Mitigation Monitoring and Reporting Plan. PSMCSD, as Lead Agency, will be responsible for implementing this plan. As a Responsible Agency for permitting, the County has conditioned the project to require that PSMCSD provide evidence that those measures that are needed to demonstrate compliance with County Code are implemented and have the intended effect (Condition No. 5).

h) To reduce impacts on Biological Resources, mitigation measures have been incorporated to include: an Employee Education Program for the construction crew prior to any construction activities (BIO-1), implementation of best management practices (BMPs) to avoid and reduce impacts to special-status wildlife species and their habitats (BIO-2), temporary construction fencing or flagging placed to keep construction vehicles and personnel from impacting special-status wildlife habitat (BIO-3), pre-construction survey for special-status species 48 hours before ground disturbing activities (BIO-4), biological monitoring during and after vegetation removal (BIO-5 and BIO-6), site survey for pallid bats under the Highway 1 overpass and during any tree trimming or removal from September 15 through November 1 (BIO-7 and BIO-8), pre-construction survey for the Monterey Dusky-Footed Woodrat (BIO-9), survey for raptors and other avian species from February 1 through September 15 (BIO-10), Western Burrowing Owl (BIO-11), Crotch and Western Bumble Bee (BIO-13), and protection of oak woodland habitat (BIO-14). The implementation of these mitigation measures will result in a less-than-significant impact.

i) To reduce impacts on Cultural and Tribal Cultural Resources, mitigation measures have been incorporated to require cultural sensitivity training prior to construction (CUL-1), archaeological monitoring during ground disturbing activities (CUL-2), halt work in the event of unexpected discovery of archaeological resources (CUL-3), and unexpected discovery of human remains (CUL-4). Additionally, tribal monitoring is required during excavation (TCR-1) and preparation of an Accidental Discovery Plan for tribal cultural resources (TCR-2). These mitigation measures will result in a less-than-significant impact.

j) To reduce impacts to hazards/hazardous materials, a mitigation measure has been incorporated to include a spill prevention and control plan to address any accidental spills and reduce potential impacts related to hazardous materials (HAZ-1). This mitigation measure will result in a less-than-significant impact.

k) To reduce impacts to hydrology/water quality, a mitigation measure was incorporated to require any parcel that is utilizing locally pumped irrigation water from an on-site well to provide the PSMCSD with documentation demonstrating that equipment has been installed to separate the non-potable irrigation use of the well from the District's potable water system pursuant to Section 7584 of Title 17 of the California Code of Regulations (HYD-1). This mitigation measure will result in a less-than-significant impact.

l) To reduce impacts to noise, mitigation measures were incorporated to require construction equipment to be equipped with noise-reducing engine housings or other noise-reducing technologies (NOS-1), and residences or other sensitive receptors within 250 feet of a construction area be notified of the construction location and schedule in writing, at least two weeks prior to the commencement of construction activities associated with each phase of construction (NOS-2). These mitigation measures will result in a less-than-significant impact.

m) To reduce impacts to utility/service systems, the potential adverse effects associated with the extension of water infrastructure included in

the proposed project were evaluated and addressed through the following mitigation measures: BIO-1 through BIO-14, CUL-1 through CUL-4, HAZ-1, HYD-1, NOS-1 and NOS-2, and TCR-1 and TCR-2. These mitigation measures will result in a less-than-significant impact.

n) Evidence that has been received and considered includes: the application, technical studies/reports (see Finding 2 and supporting evidence), staff reports that reflect the County's independent judgment, and information and testimony presented during public hearings. These documents are on file in HCD-Planning (PLN250195) and are hereby incorporated herein by reference.

o) The analysis contained in the Initial Study and the record as a whole indicate the project could result in changes to the resources listed in Section 753.5(d) of the California Department of Fish and Game (CDFG) regulations. All land development projects that are subject to environmental review are subject to a State filing fee plus the County recording fee, unless the Department of Fish and Game determines that the project will have no effect on fish and wildlife resources.
The sites have the potential to support sensitive animal and plant species. For purposes of the Fish and Game Code, the project may have a significant adverse impact on the fish and wildlife resources upon which the wildlife depends. The Initial Study was sent to the California Department of Fish and Game for review, comment, and to recommend necessary conditions to protect biological resources in this area. On March 2, 2026, PSMCSD paid the State fee plus a fee payable to the Monterey County Clerk/Recorder for processing said fee and posted the Notice of Determination (NOD).

p) The PSMCSD considered the comments received during the public review period and they do not alter the conclusions in the IS/MND. Responses and minor revisions to the Initial Study were prepared prior to the adoption of the Mitigated Negative Declaration by the PSMCSD Board of Directors on February 26, 2026.

q) The proposed project scope was considered in the State Clearinghouse No. 2025110647. No changes in project scope, circumstances, or new information have occurred. Therefore, no additional environmental review is required pursuant to CEQA guidelines section 15162.

r) The County finds that there is no substantial evidence supporting a fair argument of a significant environmental impact.

s) Pursuant to CEQA Guidelines Section 15073(e), the County provided notice of the public hearing to those public agencies that submitted comments on the IS/MND.

t) The Monterey County Planning Commission considered the MND, along with the Combined Development Permit, at a duly noticed public hearing held on August 12, 2026.

u) Monterey County HCD-Planning, located at 1441 Shilling Place, Second Floor, Salinas, California, 93901, is the custodian of documents and other materials that constitute the record of proceedings upon which the decision to adopt the Mitigated Negative Declaration is based.

9. FINDING: **PUBLIC ACCESS –** The project is in conformance with the public access and recreation policies of the Coastal Act (specifically Chapter 3

of the Coastal Act of 1976, commencing with Section 30200 of the Public Resources Code) and applicable Local Coastal Program, and does not interfere with any form of historic public use or trust rights.

EVIDENCE: a) No public access is required as part of the project, as no substantial adverse impact on access, either individually or cumulatively, as described in Section 20.144.150 of the Monterey County Coastal Implementation Plan can be demonstrated.

b) No evidence or documentation has been submitted or found showing the existence of historic public use or trust rights over this property.

c) The subject property is not described as an area where the Local Coastal Program requires visual or physical public access (Figure 6, North County General Plan Shoreline Access/Trails, in North County Land Use Plan).

d) The application, project plans, and related support materials submitted by the project applicant to the County of Monterey HCD-Planning can be found in Project File PLN250195.

10. FINDING: **APPEALABILITY –** The decision on this project may be appealed to the Board of Supervisors and the California Coastal Commission.

EVIDENCE: a) Board of Supervisors. Pursuant to Sections 20.86.030.A and 21.80.040.D of the Monterey County Zoning Ordinances, an appeal may be made to the Board of Supervisors by any public agency or person aggrieved by a decision of an Appropriate Authority other than the Board of Supervisors.

b) California Coastal Commission. Pursuant to Section 20.86.080.A.3, the project is subject to appeal by/to the California Coastal Commission because it involves development that is permitted as a conditional use.

DECISION

NOW, THEREFORE, based on the above findings and evidence, the County of Monterey Planning Commission does hereby:

1. Consider the adopted Initial Study/Mitigated Negative Declaration (IS/MND) for the Pajaro Sunny Mesa Springfield Area Regional Consolidation Project (State Clearinghouse No. 2025110647) and find that no further environmental review is warranted pursuant to CEQA Guidelines section 15162;
2. Approve the Combined Development Permit consisting of:
    a) Coastal Development Permit and Use Permit to allow improvements to the Pajaro Sunny Mesa Community Services Spring field water distribution system, including:
    a. Combining public and private water systems into one regional public water system to be operated by the Pajaro Sunny Mesa Community Services District;
    b. Distribution piping and installation of individual service laterals and meters to provide water service to eight additional connections;
    c. Construction of approx. 235,000 linear feet of pipeline including service laterals and appurtenances, a 125,000-gallon storage tank, and a new pump station at Bluff and Jensen Road (Assessor's Parcel Number (APN) 117-033-005-000);
    d. Demolition of existing piping, fencing, and a light pole, and construction of a 10,000-gallon tank with iron and manganese treatment system and a 9-foot-tall 1,808 square foot structure, an access ramp, and retaining walls at 136 San Juan Road (APN 117-351-032-000);
    e. Construction of a Transmission Booster Pump Station at APN 117-121-003-000 (on Elkhorn Road near the intersection with Hudson Landing Road); and
    f. total grading of approximately 53,130 cubic yards cut and 53,144 cubic yards fill;
3. Coastal Development Permit to allow development within 750 feet of known archaeological resources;
4. Coastal Development Permit to allow development on slopes in excess of 25%;
5. Coastal Development Permit to allow development within 100 feet of Environmentally Sensitive Habitat Areas; and
6. Coastal Development Permit for removal of two Coast Live Oak trees.

All of which are in general conformance with the attached sketch and subject to the attached conditions**,** all being attached hereto and incorporated herein by reference.

PASSED AND ADOPTED this 12th day of August 2026, upon motion of _____, seconded by _____, by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

_____

Melanie Beretti, AICP
Planning Commission Secretary

COPY OF THIS DECISION MAILED TO THE APPLICANT ON _____.

THIS APPLICATION IS APPEALABLE TO THE BOARD OF SUPERVISORS.

IF ANYONE WISHES TO APPEAL THIS DECISION, AN APPEAL FORM MUST BE COMPLETED AND SUBMITTED TO THE CLERK TO THE BOARD ALONG WITH THE APPROPRIATE FILING FEE ON OR BEFORE _____.

THIS PROJECT IS LOCATED IN THE COASTAL ZONE AND IS APPEALABLE TO THE COASTAL COMMISSION. UPON RECEIPT OF NOTIFICATION OF THE FINAL LOCAL ACTION NOTICE (FLAN) STATING THE DECISION BY THE FINAL DECISION MAKING BODY, THE COMMISSION ESTABLISHES A 10 WORKING DAY APPEAL PERIOD. AN APPEAL FORM MUST BE FILED WITH THE COASTAL COMMISSION. FOR FURTHER INFORMATION, CONTACT THE COASTAL COMMISSION AT (831) 427-4863 OR AT 725 FRONT STREET, SUITE 300, SANTA CRUZ, CA.

This decision, if this is the final administrative decision, is subject to judicial review pursuant to California Code of Civil Procedure Sections 1094.5 and 1094.6. Any Petition for Writ of Mandate must be filed with the Court no later than the 90th day following the date on which this decision becomes final.

NOTES

1. You will need a building permit and must comply with the Monterey County Building Ordinance in every respect.

   Additionally, the Zoning Ordinance provides that no building permit shall be issued, nor any use conducted, otherwise than in accordance with the conditions and terms of the permit granted or until ten days after the mailing of notice of the granting of the permit by the appropriate authority, or after granting of the permit by the Board of Supervisors in the event of appeal.

   Do not start any construction or occupy any building until you have obtained the necessary permits and use clearances from Monterey County HCD-Planning and HCD-Building Services Department office in Salinas.

2. This permit expires 3 years after the above date of granting thereof unless construction or use is started within this period.

DISCUSSION

Land Acquisition, Annexations, and Easements
The project would require permanent easements for maintenance of the infrastructure, temporary easements, and/or property acquisitions in several areas for the Bluff/Jensen Tank and Pump Station site, construction staging areas, and various transmission and distribution pipelines. Additionally, the project would provide new service connections to eight parcels through a Sphere of Influence Amendment and Service Area Annexation, requiring Local Agency Formation Commission (LAFCO) approval (Condition No. 15). Although the Proposed Project would expand the District's service boundary through annexation, the purpose of this expansion is to replace and rehabilitate existing failing and unsafe private water systems currently serving existing homes and businesses. The areas proposed for annexation are already developed, and the Proposed Project does not propose, authorize, or facilitate new residential or commercial construction.

Floodplain
Some portions of the project are located within FEMA floodplain Zones AE and X. Standards for utilities pursuant to section 16.16.050.F require all new and replacement water supplies to be designed to minimize or eliminate infiltration of flood waters into the system and discharge from systems into flood waters. Furthermore, section 16.16.050.K requires a setback of 200 feet from the top of the bank of a river and 50 feet from the top of the bank of a watercourse will be established where encroachment will be prohibited. The proposed infrastructure upgrades are designed to elevate existing and new equipment out of the floodplain for the purpose of providing a safe and reliable water supply to PSMCSD customers. Therefore, the project is found to be consistent with the development standards for flood hazard reduction outlined in Chapter 16.16.

Environmentally Sensitive Habitat Area
The project includes an application for development within 100 feet of environmentally sensitive habitat areas (ESHA). In accordance with the applicable policies of the NCLUP and Title 20, a Coastal Development Permit is required, and the criteria to grant said permit have been met. Pursuant to the North County CIP section 20.144.040.A, a Biological Report (County of Monterey Library No. LIB260034) was prepared for the project by Denise Duffy and Associates. Site surveys were conducted within the evaluated project areas on May 20, 23, June 18, 2024, and June 11, 2025. The surveys included the transmission and distribution pipeline alignments, the transmission booster pump station, the Bluff-Jensen Tank and Booster Pump Station, and the potential additional construction staging area along Hilltop Road. Denise Duffy & Associates did not observe any special-status plant species during focused surveys in 2024 or 2025. However, the survey identifies suitable habitat for several special-status wildlife species that are known or have the potential to occur within or adjacent to most of the evaluated project areas. Pursuant to NCLUP Policy 2.3.2.8, where development is permitted in or adjacent to ESHA (consistent with all other resource protection policies), the County, through the development review process, shall restrict the removal of indigenous vegetation and land disturbance (grading, excavation, paving, etc.) to the minimum amount necessary for structural improvements. In accordance with this policy, the project has been designed to avoid riparian habitat, which includes habitat for special-status wildlife species, to the greatest extent feasible.

PSMCSD's adopted Mitigated Negative Declaration identified potential impacts to several special-status wildlife species known to occur near riparian habitat. A small riparian area is present within the transmission main easement, just north of the intersection of Highway 1 and Springfield Road. Additionally, riparian habitat is present north and south of Werner Road, west of Hilltop Road near the agricultural facilities, and east and west of Elkhorn Road, associated with Werner Lake. Adjacent to the Bluff/Jensen expansion area, riparian habitat is also present adjacent to the terminus of the distribution pipeline along Trafton Road and a nearby service area, as well as adjacent to the Springfield expansion area, where riparian habitat is present east of Struve Road associated with Struve Pond. The potential special-status wildlife species known to be within the project areas are the following: Pallid Bat, Monterey Dusky-Footed Woodrat, Monterey Shrew, Tricolored Blackbird, Western Burrowing Owl, White-Tailed Kite, Loggerhead Shrike, California Tiger Salamander, California Red-Legged Frog, Santa Cruz Long-Toed Salamander, Coast Range Newt, Western and Crotch Bumble Bee, and Raptors and other protected avian species. During construction of the project, a qualified biologist will be on-site to monitor the potential presence of these special-status species and implement best management practices to avoid or mitigate impacts on ESHA.

Development on Slopes

The project includes an application for minor development on slopes exceeding 25%. In accordance with the applicable policies of the NCLUP and Title 20 section 20.64.230.E, a Coastal Development Permit is required, and the criteria to grant said permit have been met. Approximately 600 square feet, equating to roughly 100 cubic yards of development, will occur on slopes for the water system upgrades. The areas containing impacts to slopes will be on Bluff Road for the installation of service laterals to the existing residences (APNs 117-043-022-000 and 117-043-013-000), one service lateral on Trafton Road (APN 117-042-009-000), and the SMWS Transmission Booster Pump Station site improvements off Elkhorn Road (APN 117-121-004-000). Construction of the pipelines and service laterals will have trenches no deeper than approximately 4 to 4.5 feet. The trenches will be backfilled once the new infrastructure is installed. Grading at the booster pump station will accommodate a building pad for the relocation of an existing generator to be closer to the proposed enclosed structure that will house the booster pump station. Given the minor and somewhat temporary nature of development on slopes, this is the minimum necessary for the water system upgrades. Additionally, there is no other feasible alternative for the placement of the water system upgrades, as the areas of proposed replacement pipelines and service laterals have been previously disturbed.

The purpose of the PSMCSD Regional Water System Consolidation project is to address critical water quality issues in North County. According to the 1982 General Plan Policy 21.2.1, the County shall require all new and existing development to meet federal, state, and County water quality regulations. By consolidating the water systems out of compliance due to water quality issues into a single centralized system that is designed to provide a safe and reliable long-term water supply, the project meets the goals of this policy. To accomplish this, the project will involve approximately 600 square feet of development on slopes in excess of 25%. There is no reasonable alternative that would allow these public utility improvements to proceed without developing on steeper slopes. Therefore, the project meets the required findings to allow development on slopes.

Tree Removal
The project includes an application for the removal of two Coast Live Oak trees. In accordance with NCLUP section 20.144.050.A.1 and the Monterey County Zoning Ordinance (Title 20), a Coastal Development Permit is required for the removal of Coast Live Oak trees greater than six inches in diameter measured two feet above the ground, and the criteria to grant said permit have been met. The project proposes the removal of a 10-inch and 16-inch diameter Coast Live Oak tree within the SMWS Transmission Booster Pump Station site off Elkhorn Road (Assessor's Parcel Number 117-121-003-000). The project site exhibits a dense patch of Coast Live Oaks. The tree removal would accommodate the necessary site improvements to the existing pump station. A Biological Report was prepared for the project (County of Monterey Library No. LIB260034) by Denise Duffy and Associates, which analyzed tree removal. The two trees proposed for removal are the minimum amount necessary to implement the water system upgrade. All other trees on the project site would be protected in place.

The project has been designed and sited to minimize the removal of protected trees to the greatest extent feasible. The purpose of the tree removal is to relocate existing infrastructure to higher ground and out of the FEMA floodway Zone AE, which is subject to periodic flooding events from the adjacent stream along the railroad. The site slopes downward and relocating the infrastructure elsewhere would either block driveway access, cause further development on slopes exceeding 25%, or be within the low-lying portion of the property closest to the floodway. Therefore, the relocation of infrastructure to the proposed new location requires the minimal amount of tree removal necessary to provide flood protection to the existing public water system.

Cultural Resources
The project areas are located within moderate to high sensitivity zones for archaeological resources. Pursuant to the North County CIP section 20.144.110.A, development proposed within 750 feet of a known archaeological resource requires a Coastal Development Permit. Furthermore, pursuant to North County CIP section 20.144.110.B, a Phase I Inventory of Archaeological Resources (County of Monterey Library No. LIB260033) was prepared for the project by Achasta Archaeological Services. The records identified 12 previously reported sites within 750 feet of the project area and three sites within the project area of potential effect. Visual inspections at each project location were performed by the archaeologist on October 13, 2023, November 7, 2024, and November 27, 2024. Although no resources or site indicators were observed during the field inspections, it is presumed that subsurface materials related to one of the positive sites remain intact along the Struve Road. The project has been conditioned to require a contract with a Registered Professional Archaeologist for monitoring during construction activities to help to reduce the project's impact to a level of less-than-significant (Condition No. 3). Similarly, the Mitigation Monitoring and Reporting Program associated with the PSMCSD's adoption of a Mitigated Negative Declaration for the project required Tribal monitoring in addition to Archaeological monitoring.

Conversion of Farmland
Pursuant to NCLUP Policy 2.6.2.2, conversion of Agriculture Preservation or Agricultural Conservation farmland for non-agricultural use shall be permitted only where there is an overriding need to protect the public health and safety. The project proposes to convert 0.4 acres

of farmland from a 10.6-acre parcel for the construction of the Bluff/Jensen Road tank and pump station. The location of the tank is placed closest to the corner of Jensen and Bluff Road to minimize conversion of farmland to the greatest extent feasible. Relocating the tank site would cause greater disturbance to row-crop production and make it difficult to maneuver harvesting equipment around the tank pad. Furthermore, simple and direct access from Jensen Road allows for easy maintenance of the site, rather than relying on the existing dirt roads used by the farm workers. Utilizing access from Jensen Road will reduce potential safety hazards to those working in the field. Given the water quality issues in northern Monterey County, conversion of 0.4 acres of farmland is the minimum necessary to provide a safe and reliable water supply to an underserved community. Additionally, conversion of 0.4 acres would not impact the ongoing agricultural operation and long-term viability of the farm because 10.2 acres is considered sufficient to maintain row crop production.

County of Monterey HCD Planning

DRAFT Conditions of Approval/Implementation Plan/Mitigation Monitoring and Reporting Plan

PLN250195

1. PD001 - SPECIFIC USES ONLY

Responsible Department: Planning

Condition/Mitigation Monitoring Measure: This Combined Development Permit (PLN250195) allows 1.) Coastal Development Permit and Use Permit to allow improvements to the Pajaro Sunny Mesa Community Services Spring field water distribution system, including: i.) Combining public and private water systems into one regional public water system to be operated by the Pajaro Sunny Mesa Community Services District; ii.) Distribution piping and installation of individual service laterals and meters to provide water service to eight additional connections; iii.) Construction of approx. 235,000 linear feet of pipeline including service laterals and appurtenances, a 125,000-gallon storage tank, and a new pump station at Bluff and Jensen Road (Assessor's Parcel Number (APN) 117-033-005-000); iv.) Demolition of existing piping, fencing, and a light pole, and construction of a 10,000-gallon tank with iron and manganese treatment system and a 9-foot-tall 1,808 square foot structure, an access ramp, and retaining walls at 136 San Juan Road (APN 117-351-032-000); v.) Construction of a Transmission Booster Pump Station at APN 117-121-003-000 (on Elkhorn Road near intersection with Hudson Landing Road); and vi.) total grading of approximately 53,130 cubic yards cut and 53,144 cubic yards fill; 2) Coastal Development Permit for development within 750 feet of known archaeological resources; 3) Coastal Development Permit to allow development on slopes in excess of 25%; 4) Coastal Development Permit for development within 100 feet of Environmentally Sensitive Habitat Areas; and 5) Coastal Development Permit for removal of two Coast live oak trees. The project is located along Salinas Road, Highway 1, Hilltop Road, Jensen Road, Bluff Road, Trafton Road, and Struve Road (Various Assessor's Parcel Numbers:117-351-032-000, 117-021-008-000, 117-021-013-000, 117-022-002-000, 117-031-004-000, 117-031-005-000, 117-031-006-000, 117-031-014-000, 117-032-001-000, 117-032-002-000, 117-032-003-000, 117-032-004-000, 117-032-005-000, 117-033-003-000, 117-033-004-000, 117-033-005-000, 117-041-011-000, 117-041-012-000, 117-041-016-000, 117-041-017-000, 117-042-005-000, 117-042-009-000, 117-042-010-000, 117-043-003-000, 117-043-006-000, 117-043-010-000, 117-043-013-000, 117-043-014-000, 117-043-015-000, 117-043-019-000, 117-043-022-000, 117-043-023-000, 117-043-026-000, 117-043-029-000, 117-043-032-000, 117-052-023-000, 117-121-003-000, 117-191-004-000, 117-263-006-000, 412-032-009-000, 412-032-010-000, 412-032-011-000, 412-032-013-000, 413-012-008-000, 413-012-009-000, 413-012-010-000, 413-012-012-000, 413-012-014-000, 413-013-001-000, 413-014-001-000, 413-031-001-000),North County Area Plan (Inland) and North County Land Use Plan (Coastal Zone). This permit was approved in accordance with County ordinances and land use regulations subject to the terms and conditions described in the project file. Neither the uses nor the construction allowed by this permit shall commence unless and until all of the conditions of this permit are met to the satisfaction of the Director of HCD - Planning. Any use or construction not in substantial conformance with the terms and conditions of this permit is a violation of County regulations and may result in modification or revocation of this permit and subsequent legal action. No use or construction other than that specified by this permit is allowed unless additional permits are approved by the appropriate authorities. To the extent that the County has delegated any condition compliance or mitigation monitoring to the Monterey County Water Resources Agency, the Water Resources Agency shall provide all information requested by the County and the County shall bear ultimate responsibility to ensure that conditions and mitigation measures are properly fulfilled. (HCD - Planning)

Compliance or Monitoring Action to be Performed: The Owner/Applicant shall adhere to conditions and uses specified in the permit on an on-going basis unless otherwise stated.

2. PD002 - NOTICE PERMIT APPROVAL

Responsible Department: Planning

Condition/Mitigation Monitoring Measure: The applicant shall record a Permit Approval Notice. This notice shall state:
"A Combined Development Permit (Resolution Number _____) was approved by the Planning Commission for Assessor's Parcel Number 117-351-032-000 on August 12, 2026. The permit was granted subject to 15 conditions of approval which run with the land. A copy of the permit is on file with Monterey County HCD - Planning."

Proof of recordation of this notice shall be furnished to the Director of HCD - Planning prior to issuance of grading and building permits, Certificates of Compliance, or commencement of use, whichever occurs first and as applicable. (HCD - Planning)

Compliance or Monitoring Action to be Performed: Prior to ground disturbance or commencement of use, whichever occurs first and as applicable, the Owner/Applicant shall provide proof of recordation of this notice to the HCD - Planning.

3. PD003(B) - CULTURAL RESOURCES POSITIVE ARCHAEOLOGICAL REPORT

Responsible Department: Planning

Condition/Mitigation Monitoring Measure: If archaeological resources or human remains are accidentally discovered during construction, the following steps will be taken:

There shall be no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent human remains until the coroner of the county in which the remain are discovered must be contacted to determine that no investigation of the cause of death is required.

If the coroner determines the remains to be Native American:
- The coroner shall contact the Native American Heritage Commission and HCD - Planning within 24 hours.
- The Native American Heritage Commission shall identify the person or persons from a recognized local tribe of the Esselen, Salinan, Costonoans/Ohlone and Chumash tribal groups, as appropriate, to be the most likely descendant.
- The most likely descendant may make recommendations to the landowner or the person responsible for the excavation work, for means of treating or disposing of, with appropriate dignity, the human remains and any associated grave goods as provided in Public Resources Code Section 5097.9 and 5097.993, Or

Where the following conditions occur, the landowner or his authorized representatives shall rebury the Native American human remains and associated grave goods with appropriate dignity on the property in a location not subject to further subsurface disturbance:

1. The Native American Heritage Commission is unable to identify a most likely descendant or the most likely descendant failed to make a recommendation within 24 hours after being notified by the commission.
2. The descendant identified fails to make a recommendation; or
3. The landowner or his authorized representative rejects the recommendation of the descendant, and the mediation by the Native American Heritage Commission fails to provide measures acceptable to the landowner.

(HCD - Planning)

Compliance or Monitoring Action to be Performed: Prior to ground disturbance, the Owner/Applicant, per the archaeologist, shall submit the contract with a Registered Professional Archaeologist for on-call archaeological services should resources be discovered during construction activities. Submit the letter to the Director of the HCD – Planning for approval.

Prior to ground disturbance, the Owner/Applicant shall include requirements of this condition as a note on all grading and construction plans.

Prior to final commencement of use, the Owner/Applicant, per the Archaeologist, shall submit a report or letter from the archaeologist summarizing their methods, findings, and recommendations if their services are needed during construction or if no resources were found.

4. PD006 - CONDITION OF APPROVAL / MITIGATION MONITORING PLAN

Responsible Department: Planning

Condition/Mitigation Monitoring Measure: The applicant shall enter into an agreement with the County to implement a Condition of Approval/Mitigation Monitoring and/or Reporting Plan (Agreement) in accordance with Section 21081.6 of the California Public Resources Code and Section 15097 of Title 14, Chapter 3 of the California Code of Regulations. Compliance with the fee schedule adopted by the Board of Supervisors for mitigation monitoring shall be required and payment made to the County of Monterey at the time the property owner submits the signed Agreement. The agreement shall be recorded. (HCD- Planning)

Compliance or Monitoring Action to be Performed: Within sixty (60) days after project approval or prior to ground disturbance, whichever occurs first, the Owner/Applicant shall:

1) Enter into an agreement with the County to implement a Condition of Approval/Mitigation Monitoring Plan.

2) Fees shall be submitted at the time the property owner submits the signed Agreement.

3) Proof of recordation of the Agreement shall be submitted to HCD-Planning.

5. PDSP001 - IMPLEMENTATION OF MITIGATION MEASURES

Responsible Department: Planning

Condition/Mitigation Monitoring Measure: Pajaro Sunny Mesa Community Services District (PSMCSD) shall implement all avoidance, minimization, and mitigation measures identified as applying to the Pajaro Sunny Mesa Springfield Area Regional Consolidation Project within the adopted Final Initial Study/Mitigated Negative Declaration (SCH #2025110647) by the Board of Directors of the PSMCSD (Resolution No. 02-02-26) on February 26, 2026.

Compliance or Monitoring Action to be Performed: PSMCSD shall provide evidence to HCD-Planning that the mitigation measures adopted for the Project have been implemented.

On an ongoing basis in accordance with the timing identified in the Final Initial Study/Mitigated Negative Declaration prepared for the Pajaro Sunny Mesa Springfield Area Regional Consolidation Project, PSMCSD shall send verification that avoidance, minimization, and mitigation measures identified as applying to the Pajaro Sunny Mesa Springfield Area Regional Consolidation Project are being implemented.

6. CC01 INDEMNIFICATION

Responsible Department: County Counsel-Risk Management

Condition/Mitigation Monitoring Measure: Owner/Applicant agrees as a condition and in consideration of approval of this discretionary development permit that it will, pursuant to agreement and/or statutory provisions as applicable, including but not limited to Government Code section 66474.9, defend, indemnify, and hold harmless the County of Monterey and/or its agents, officers, and/or employees from any claim, action, or proceeding against the County and/or its agents, officers, and/or or employees to attack, set aside, void, or annul this approval and/or related subsequent approvals, including, but not limited to, design approvals, which action is brought within the time provided for under law. Owner/Applicant shall reimburse the County for any court costs and attorney's fees that the County may be required by a court to pay as a result of such action.

The County shall notify Owner/Applicant of any such claim, action, and/or proceeding as expeditiously as possible. The County may, at its sole discretion, participate in the defense of such action. However, such participation shall not relieve Owner/Applicant of his/her/its obligations under this condition. Regardless, the County shall cooperate fully in defense of the claim, action, and/or proceeding.

(County Counsel-Risk Management)

Compliance or Monitoring Action to be Performed: This Indemnification Obligation binds Owner/Applicant from the date of approval of this discretionary development permit forward. Regardless, on written demand of the County Counsel's Office, Owner/Applicant shall also execute and cause to be notarized an agreement to this effect. The County Counsel's Office shall send Owner/Applicant an indemnification agreement. Owner/Applicant shall submit such signed and notarized Indemnification Agreement to the Office of the County Counsel for County's review and signature. Owner/Applicant shall then record such indemnification agreement with the County of Monterey Recorder's Office. Owner/Applicant shall be responsible for all costs required to comply with this paragraph including, but not limited to, notary costs and Recorder fees.

7. CALIFORNIA CONSTRUCTION GENERAL PERMIT

Responsible Department: Environmental Services

Condition/Mitigation Monitoring Measure: The applicant shall submit a Stormwater Pollution Prevention Plan (SWPPP) including the Waste Discharger Identification (WDID) number, to HCD-Environmental Services. In lieu of a SWPPP, a letter of exemption or erosivity waiver from the Central Coast Regional Water Quality Control Board may be provided. (HCD-Environmental Services)

Compliance or Monitoring Action to be Performed: Prior to ground disturbance, the applicant shall submit a SWPPP including the WDID number certifying the project is covered under the California Construction General Permit or a letter of exemption from the Central Coast Regional Water Quality Control Board.

8. EHSP01- FIRE FLOW STANDARDS

Responsible Department: Health Department

Condition/Mitigation Monitoring Measure: Design the water system improvements to meet fire flow standards as required and approved by the local fire protection agency.
(Environmental Health)

Compliance or Monitoring Action to be Performed: Prior to issuance of a construction permit or ground disturbance, submit plans for the proposed water system improvements to the local fire protection agency for review and approval.

Submit a set of signed or wet-stamped water system plans approved by the local fire protection agency to EHB for review and approval.

9. EHSP02- WELL NOT IN SERVICE

Responsible Department: Health Department

Condition/Mitigation Monitoring Measure: Destroy the existing well(s) which is not in service according to the standards found in State of California Bulletin 74 and all its supplements, and Chapter 15.08 of the Monterey County Code.

OR

If the Owner/Applicant intends to maintain the well, provide proof to Environmental Health Bureau that the well is functional, can be used on a regular basis, and does not act as a conduit for contamination of groundwater. (Environmental Health)

Compliance or Monitoring Action to be Performed: Prior to issuance of a construction permit or ground disturbance, a California licensed well drilling contractor shall obtain a well destruction permit from the Environmental Health Bureau.

Prior to final inspection of construction permit, a California licensed well drilling contractor shall destroy the well in accordance with the well destruction permit and submit the Well Drillers Report to the Environmental Health Bureau for review and acceptance.

OR

Provide documentation to the satisfaction of the Environmental Health Bureau that the well is functional, is used on a regular basis, and does not act as a conduit for contamination of groundwater.

10. PW005 - TRAFFIC CONTROL PLAN

Responsible Department: Public Works

Condition/Mitigation Monitoring Measure: The applicant shall provide a traffic control plan along with a construction schedule/phases, including, but not limited to, road closures, detours, signage, and other traffic control methods. Locations of lane/road closures shall be listed on the traffic control plan.

Compliance or Monitoring Action to be Performed: Owner/Applicant shall submit the traffic control plan for review and approval of the HCD-Engineering, obtain an encroachment permit from the HCD prior to issuance of building or grading permits, and construct and complete improvements prior to occupancy or commencement of use. Applicant is responsible for obtaining all permits and environmental clearances.

11. PWSP01 – PAVEMENT RESTORATION

Responsible Department: Public Works

Condition/Mitigation Monitoring Measure: The owner/applicant shall restore the county roads listed below to reduce or mitigate the significant pavement wear and damage that would occur from conducting open trench construction and use of heavy construction equipment and vehicles.

Struve Road: Chip Seal full Road width.

Trafton Road: Chip Seal full Road width.

Bluff Road: The first 600 feet of Bluff Road, North of Jensen Road, is under a moratorium. Provide 0.2' HMA overlay paving, full width of the road. The rest of Bluff Road shall be chip-sealed full Road width.

Jensen Road: Jensen Road is under a moratorium. Provide 0.2' HMA overlay paving, full width of the road.

Hilltop Road: Water main shall be located within existing shoulder where possible, install T-Cut trench paving per County of Monterey standards, and apply type 2 slurry seal to shoulder. Water main located within existing travel lane where possible, install T-Cut trench paving per County of Monterey standards, and apply type 2 slurry seal to impacted travel lane.

Salinas Road: T-Cut trench paving per County of Monterey Standards and apply type 2 slurry seal on the impacted bike lane/shoulder.

Fruitland Road: T-Cut trench paving per County of Monterey Standards and apply type 2 slurry on the full road width.

Werner Road: The portion of Werner Road is under moratorium. Type 2 slurry shall be applied on the impacted travel lanes and bike lanes.

Elkhorn Road: Elkhorn Road is under a moratorium. Provide 0.2' HMA overlay paving for impacted travel lane/shoulder.

Salinas Road: Elkhorn Road is under a moratorium. Provide 0.2' HMA overlay paving for impacted travel lane/shoulder.

Compliance or Monitoring Action to be Performed: Prior to the issuance of a building/grading/encroachment permit or ground disturbance, whichever comes first, the owner/applicant shall submit improvement plans to HCD - Engineering Services for review and approval and apply for an Encroachment Permit. Construct improvements prior to commencement of use. Encroachment Permits are required for all work within the public right-of-way. An Applicant is responsible to obtain all necessary additional right of way, permits and environmental clearances.

12. PD011 - TREE AND ROOT PROTECTION

Responsible Department: Planning

Condition/Mitigation Monitoring Measure: Trees which are located close to construction site(s) shall be protected from inadvertent damage from construction equipment by fencing off the canopy driplines and/or critical root zones (whichever is greater) with protective materials, wrapping trunks with protective materials, avoiding fill of any type against the base of the trunks and avoiding an increase in soil depth at the feeding zone or drip-line of the retained trees. Said protection, approved by certified arborist, shall be demonstrated prior to issuance of building permits subject to the approval of HCD - Director of Planning. If there is any potential for damage, all work must stop in the area and a report, with mitigation measures, shall be submitted by certified arborist. Should any additional trees not included in this permit be harmed, during grading or construction activities, in such a way where removal is required, the owner/applicant shall obtain required permits. (HCD - Planning)

Compliance or Monitoring Action to be Performed: Prior to ground disturbance, the Owner/Applicant shall submit evidence of tree protection to HCD - Planning for review and approval.

During construction, the Owner/Applicant/Arborist shall submit on-going evidence that tree protection measures are in place through out grading and construction phases. If damage is possible, submit an interim report prepared by a certified arborist.

Prior to final inspection, the Owner/Applicant shall submit photos of the trees on the property to HCD-Planning after construction to document that tree protection has been successful or if follow-up remediation or additional permits are required.

13. PD011(A) - TREE REMOVAL

Responsible Department: Planning

Condition/Mitigation Monitoring Measure: Tree removal shall not occur until a construction or encroachment permit has been issued in conformance with the appropriate stage or phase of development in this permit. Only those trees approved for removal shall be removed. (HCD-Planning)

Compliance or Monitoring Action to be Performed: Prior to tree removal, the Owner/ Applicant/ Tree Removal Contractor shall demonstrate that a construction or encroachment permit has been issued prior to commencement of tree removal.

14. PD048 - TREE REPLACEMENT/RELOCATION

Responsible Department: Planning

Condition/Mitigation Monitoring Measure: Prior to commencement of use, the applicant shall replace and or relocate each tree approved for removal as follows:
- Replacement ratio: 1:1 of a 5-gallon or greater Coast live oak tree.
- Other: The replacement trees shall be planted near the two oak trees proposed for removal.

Replacement tree(s) shall be located within the same general location as the tree being removed. (HCD - Planning)

Compliance or Monitoring Action to be Performed: The Owner/Applicant shall submit evidence of tree replacement to HCD -Planning for review and approval. Evidence shall be a receipt for the purchase of the replacement tree(s) and photos of the replacement tree(s) being planted.

Six months after the planting of the replacement tree(s), the Owner/Applicant shall submit evidence demonstrating that the replacement tree(s) are in a healthy, growing condition.

One year after the planting of the replacement tree(s), the Owner/Applicant shall submit a letter prepared by a County-approved tree consultant reporting on the health of the replacement tree(s) and whether or not the tree replacement was successful or if follow-up remediation measures or additional permits are required.

15. PDSP01 – ANNEXATION TO PAJARO-SUNNY MESA COMMUNITY SERVICES DISTRICT

Responsible Department: Planning

Condition/Mitigation Monitoring Measure: Prior to issuance of encroachment, local coastal development, well destruction, grading, and tree removal permits, the applicant shall submit an application to LAFCO to annex only the areas to be served within the identified eight properties, excluding non-developed open space or agricultural lands, into the Pajaro-Sunny Mesa Community Services District.

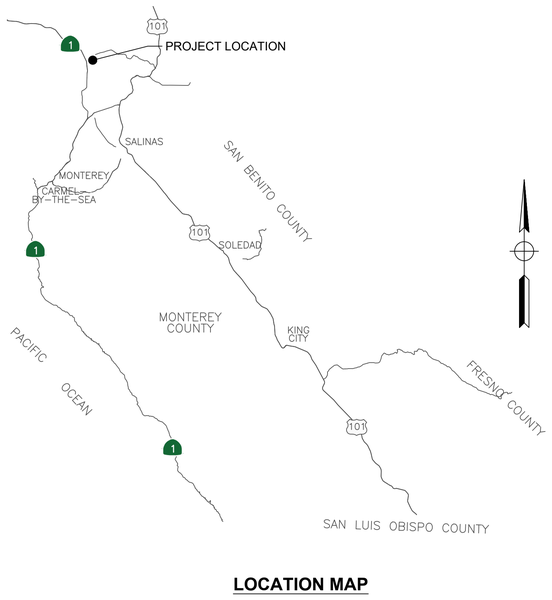
Compliance or Monitoring Action to be Performed: Prior to issuance of encroachment, local coastal development, well destruction, grading, and tree removal permits, whichever occurs first, the Owner/Applicant shall submit an application for annexation to LAFCO to process the proposed annexation.

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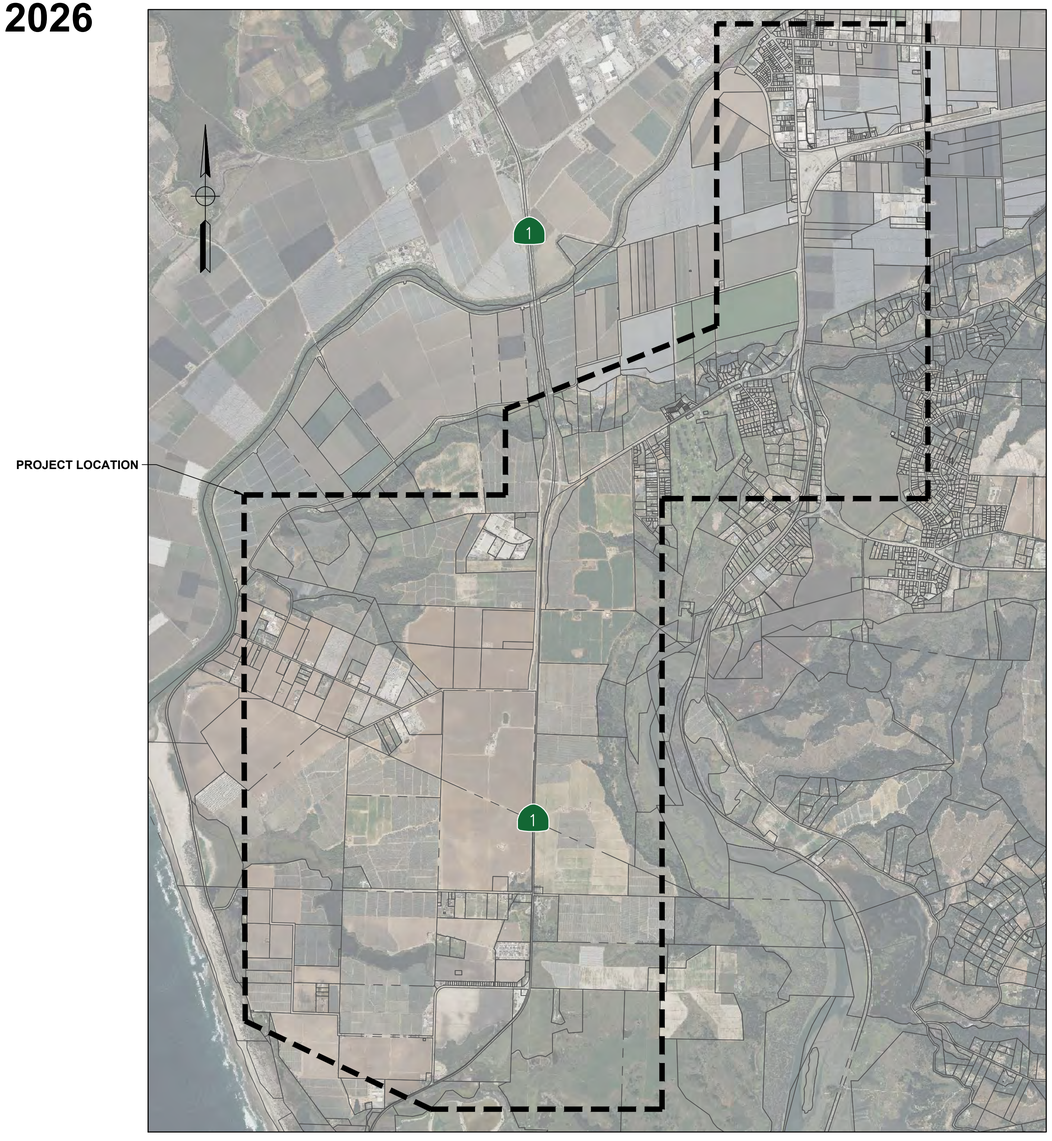
PAJARO / SUNNY MESA COMMUNITY SERVICES DISTRICT

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

Thu, 22 Jan 26 03:38:08 PM by Alex Dagit C:\BluePrograms\CWTRC - Community Water Center\CWTRC.200476.05 Pajaro Sunny Mesa Springfield Area Regional Consolidation\Engineering\Drawings\Sheet Files\G-001 Title Sheet.dwg

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

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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

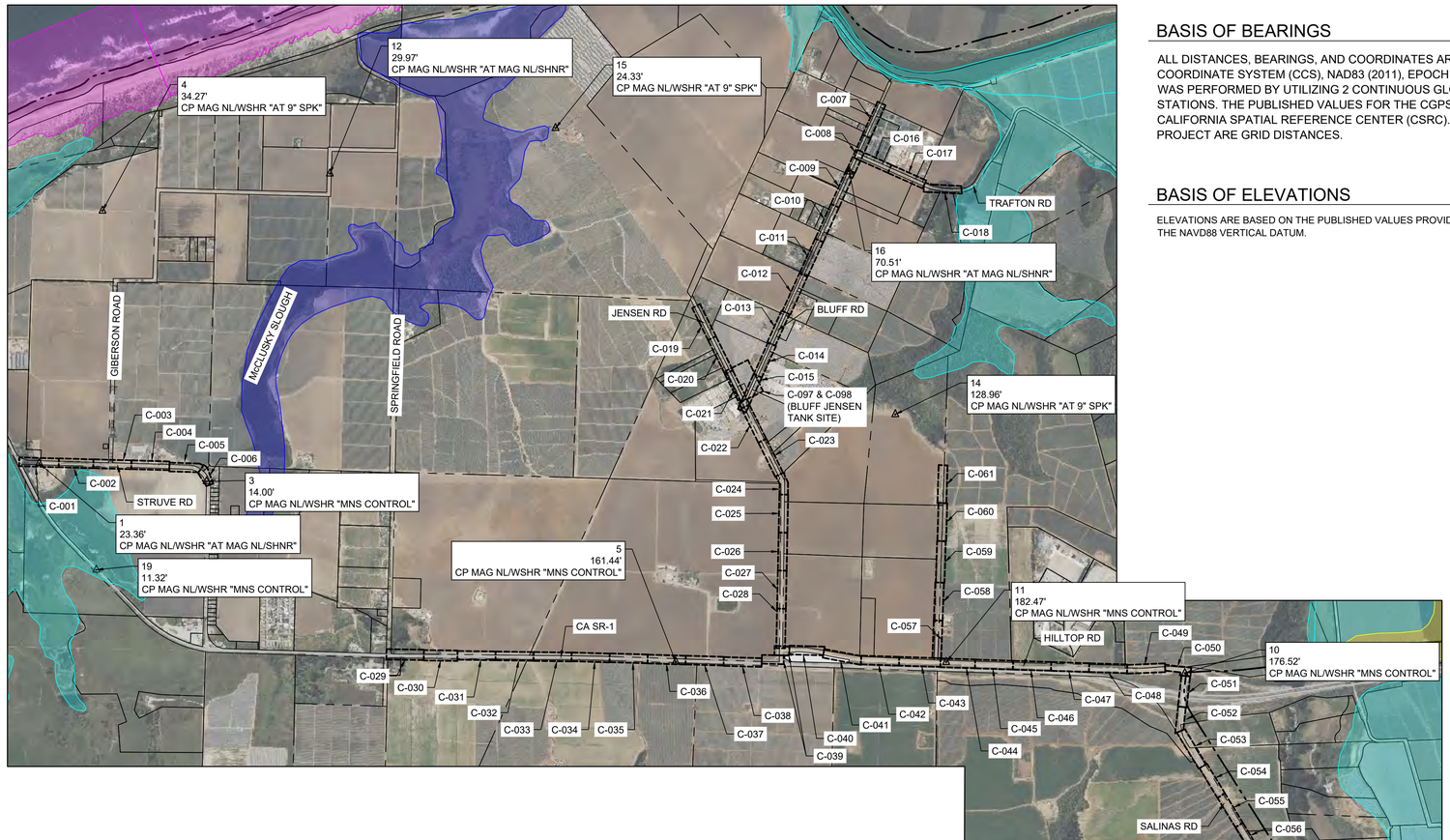
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THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

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

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Wed 11 Mar 26 10:31:24 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'

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C75006
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CIVIL
STATE OF CALIFORNIA

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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**

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Thu, 15 Jan 26 - 03:12:14 PM by - Kiley Drago

SHEET INDEX

SHEET:	TITLE:	DRAWING:
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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
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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
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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
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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
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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
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40	C-035	JENSEN-SPRINGFIELD INTERTIE PIPELINE PLAN AND PROFILE - STA 432+50 TO STA 438+00
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SHEET NUMBER
4 OF 158

Mon 26 Jan 26 09:21:33 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

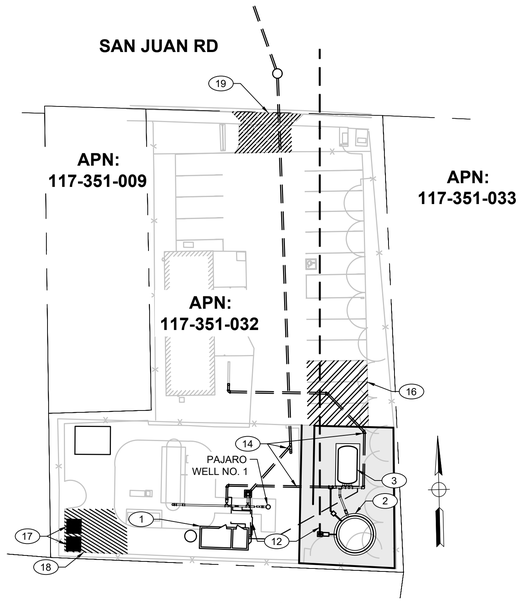
CONSTRUCTION COORDINATION:

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.

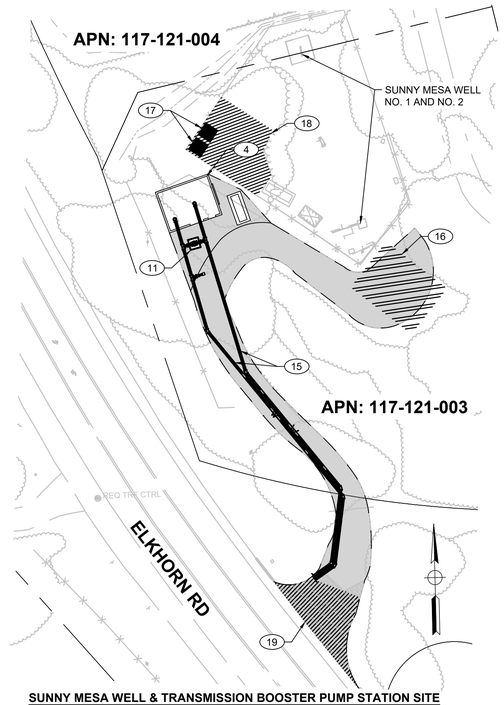
PROJECT DATA:

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)

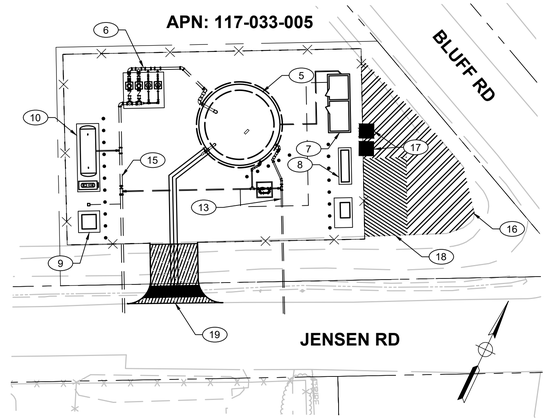
811 Know what's below. Call before you dig.



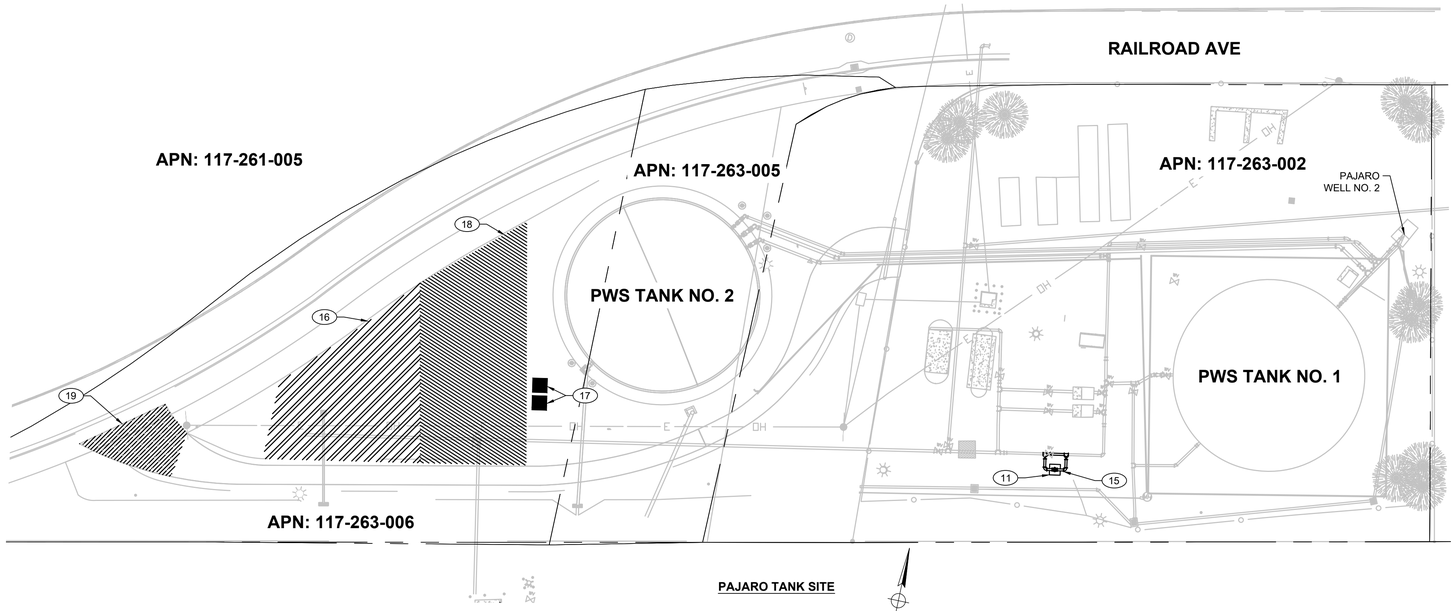
PAJARO WELL #1 SITE



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

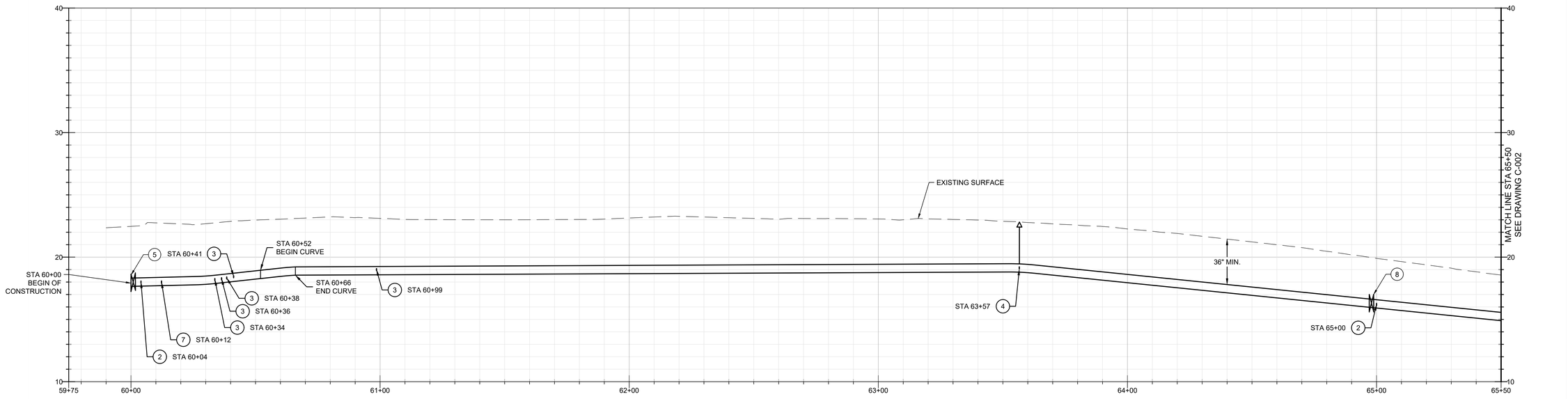
0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

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\3 Sheets\Construction Management Plan.dwg
Mon, 26 Jan 26 - 03:34:41 PM by Hope Mahony



PROFILE

20' 0' 20'

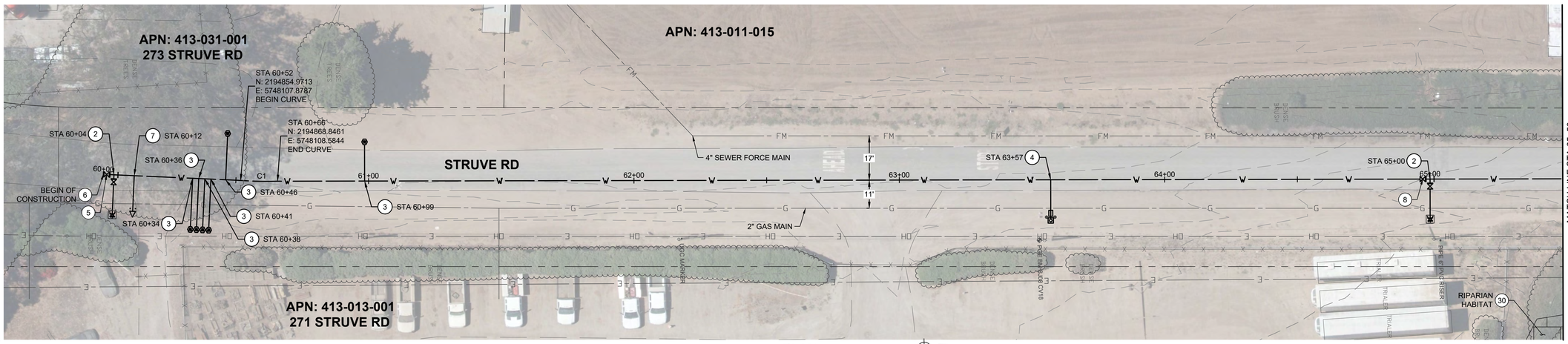
HORIZ: 1" = 20'
VERT: 1" = 4'

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.

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REV	DATE	BY	DESCRIPTION

MNS
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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

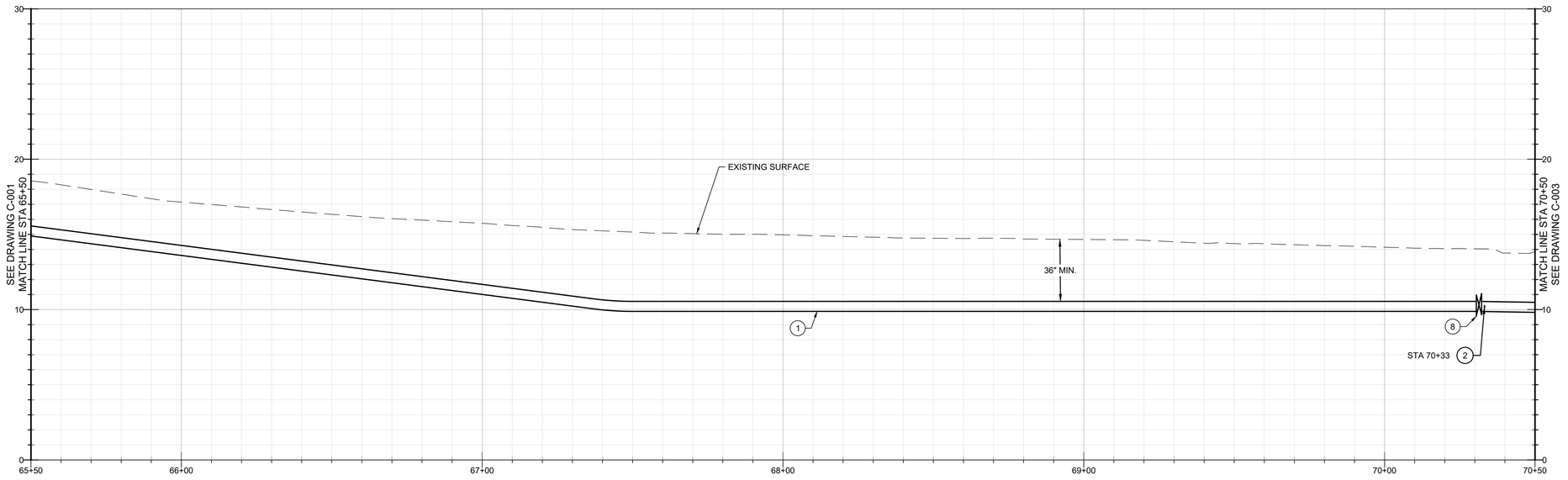
STRUVE ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 60+00 TO STA 65+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-001

SHEET NUMBER
6 OF 158

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Wed 11 Mar 26 09:57:37 AM by KBay,Diego



PROFILE

20' 0' 20'

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

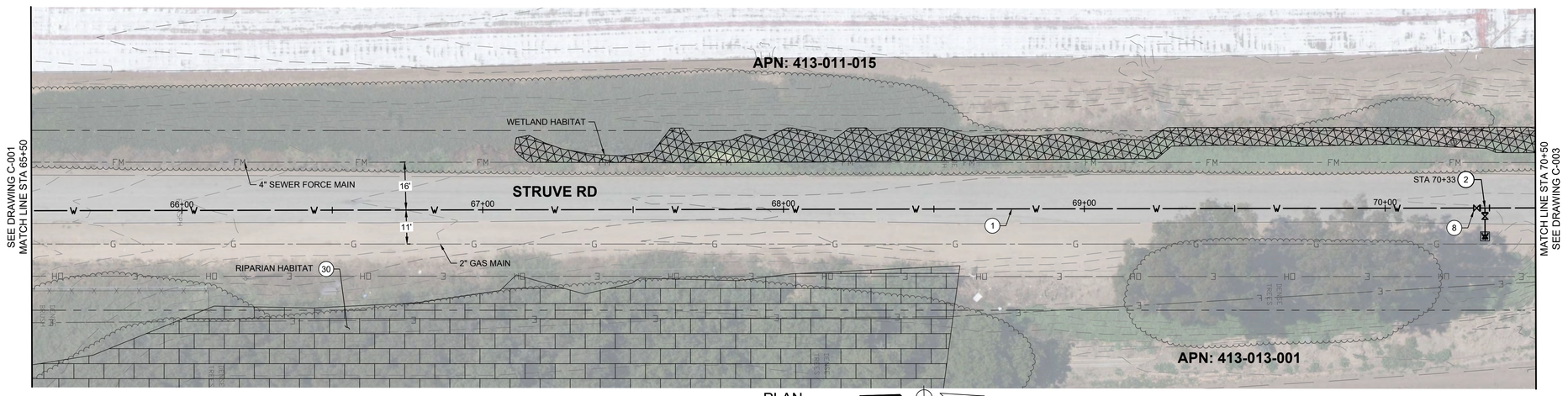
CONSTRUCTION KEY NOTES

(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.

(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.

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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

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

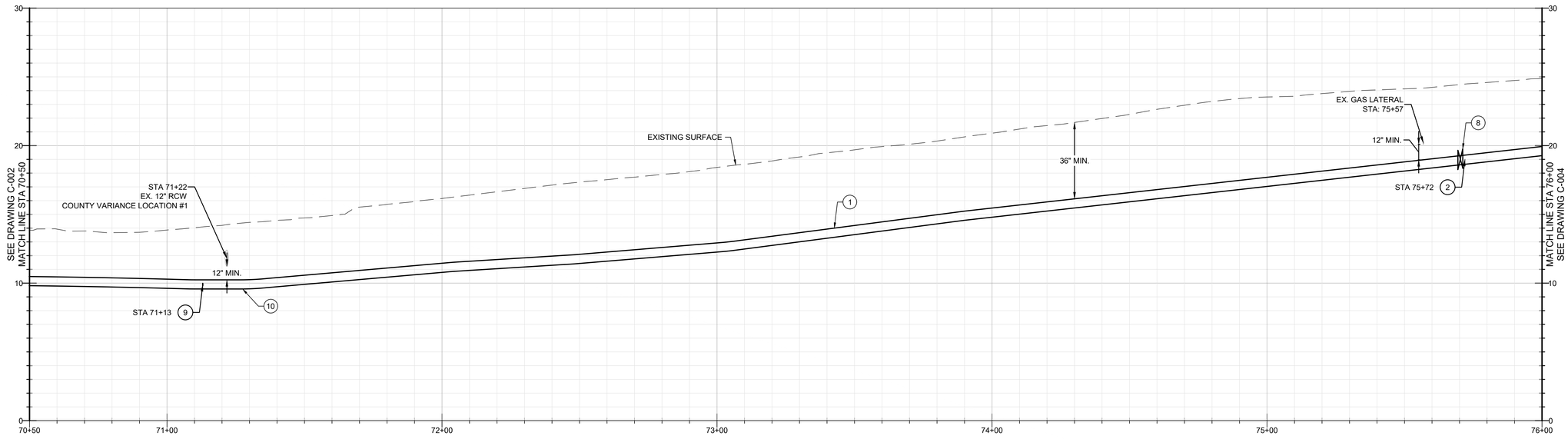
STRUVE ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 65+50 TO STA 70+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-002

SHEET NUMBER
7 OF 158

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Wed 11:Mar.26 - 09:51:37 AM by Alex Dargo



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.

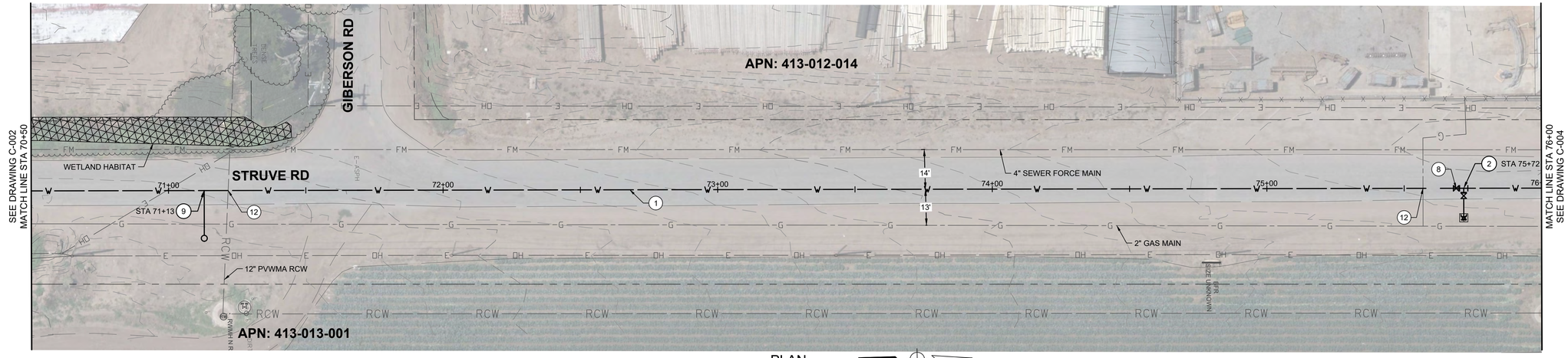
(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(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

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

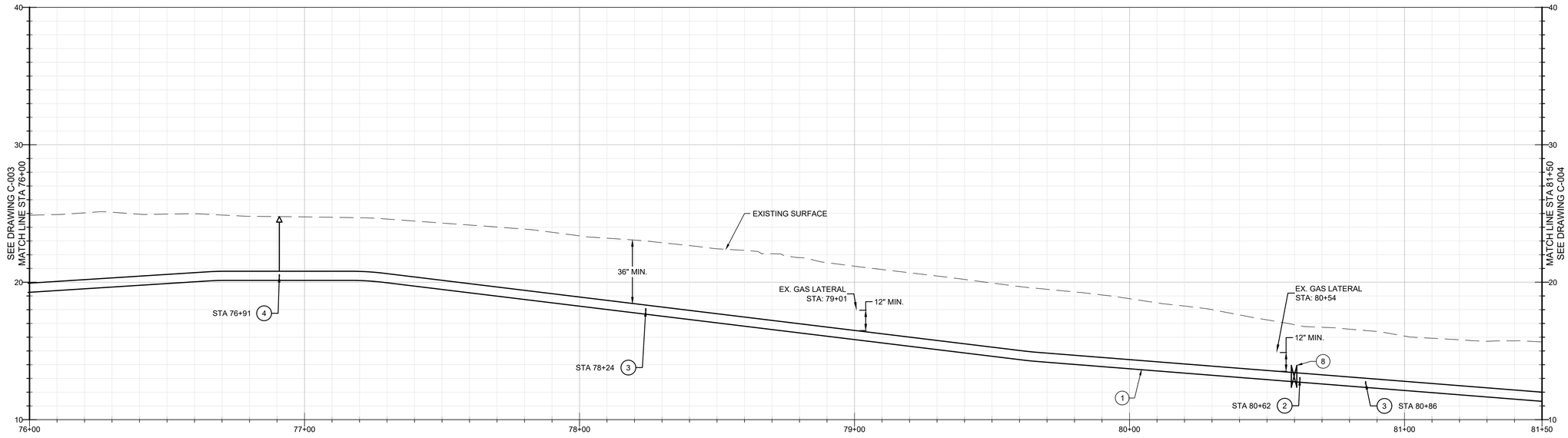
STRUVE ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 70+50 TO STA 76+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-003

SHEET NUMBER
8 OF 158

Wed 11 Mar 26 - 09:57:17 AM by Kiley Dargo
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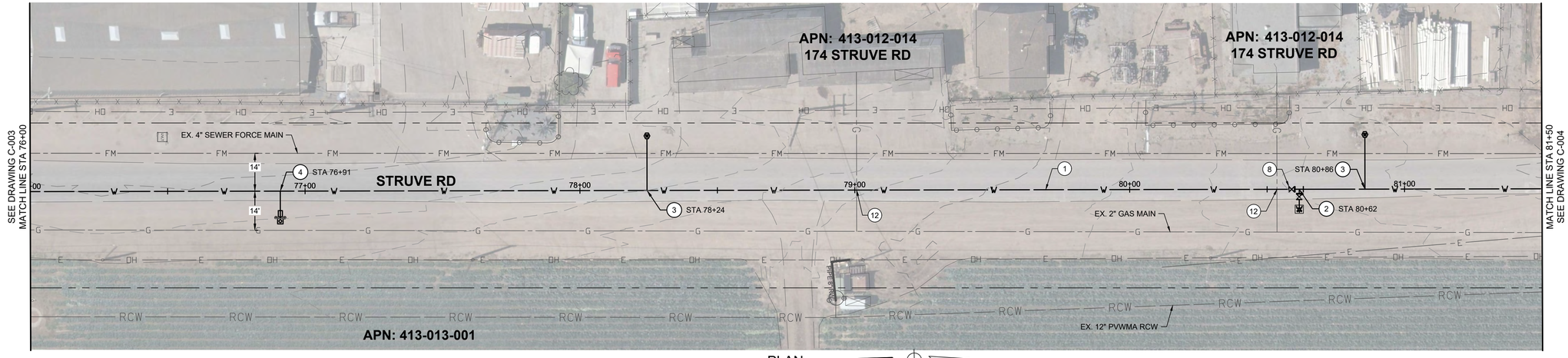
PROFILE

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

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

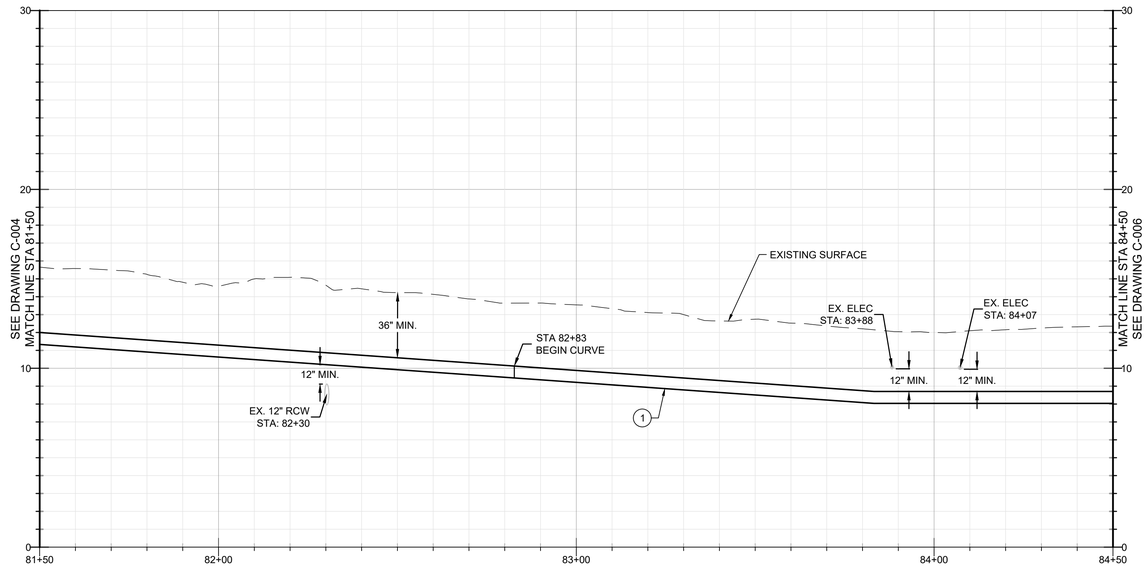
STRUVE ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 76+00 TO STA 81+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-004

SHEET NUMBER
9 OF 158

Thu 26-Jun-25 01:08:13 PM by Alley Dwgs
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PROFILE

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

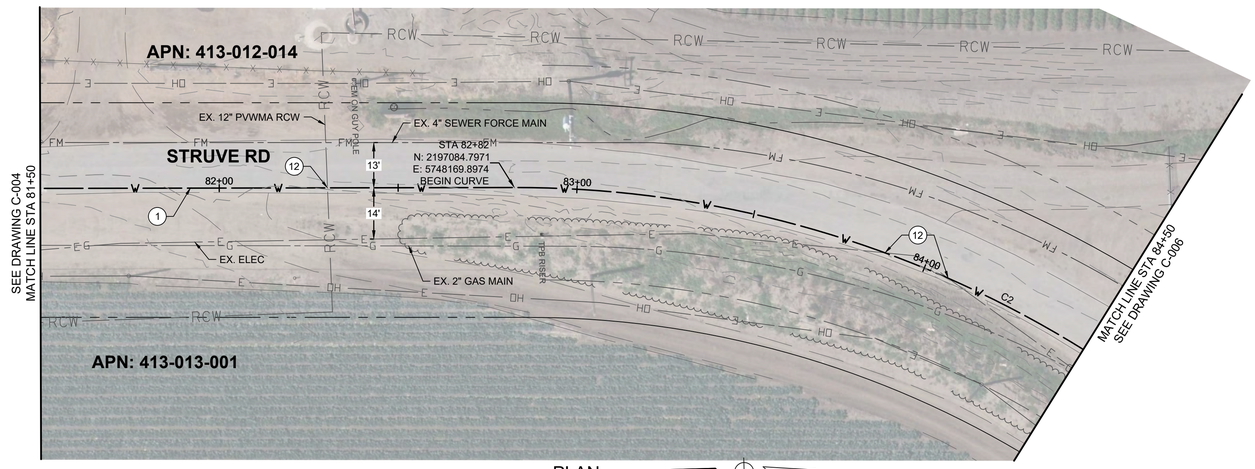
CONSTRUCTION KEY NOTES

(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

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

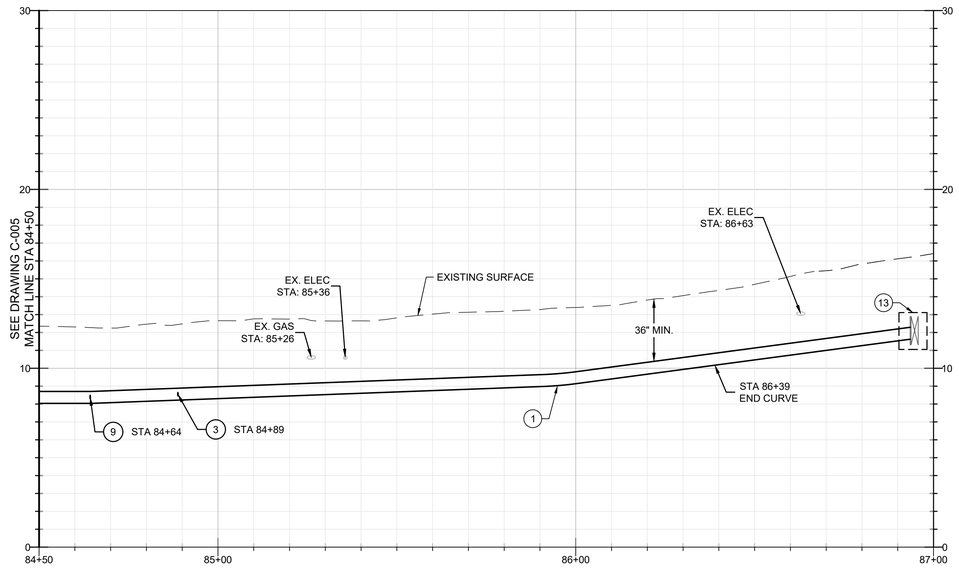
STRUVE ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 81+50 TO STA 84+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-005

SHEET NUMBER
10 OF 158

Thu, 26 Oct 25 - 07:48:31 PM by Abby Dapp - © BlueProjects/CWTRC - Community Water Center/CWTRC.200476.05 PSMS Proj Eng./CAD/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.

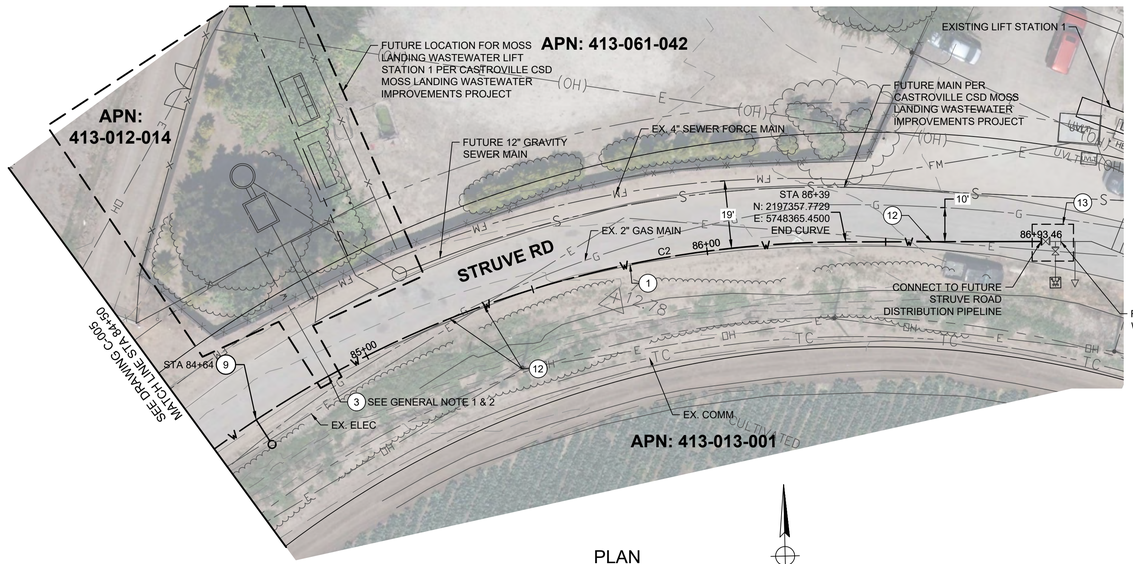
(12) PROTECT UTILITY IN PLACE

(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

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

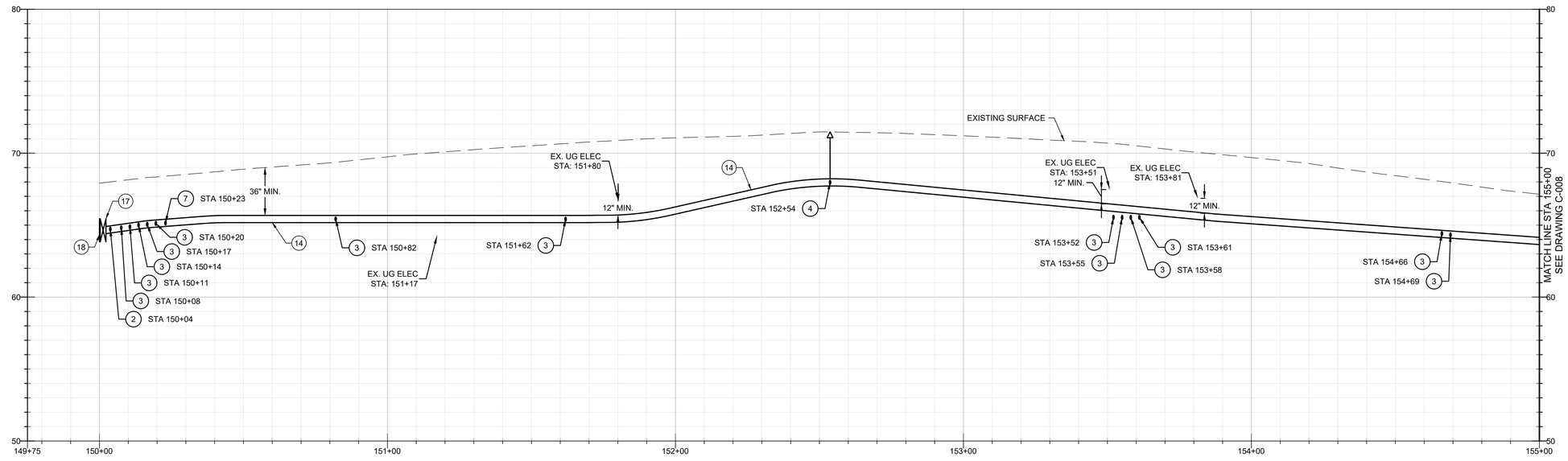
STRUVE ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 84+50 TO STA 87+00

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 Files And Refs_3.dwg
Thu, 05 Dec 25 21:08:31 PM by Mike 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.

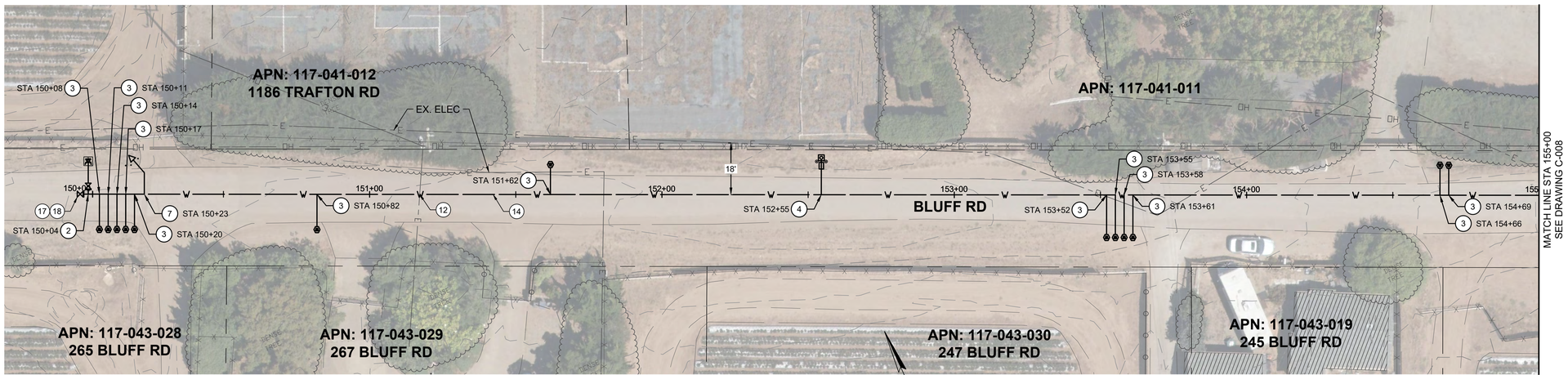
(7) INSTALL SAMPLING STATION PER STANDARD PLAN NO. 3-21. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(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.

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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

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

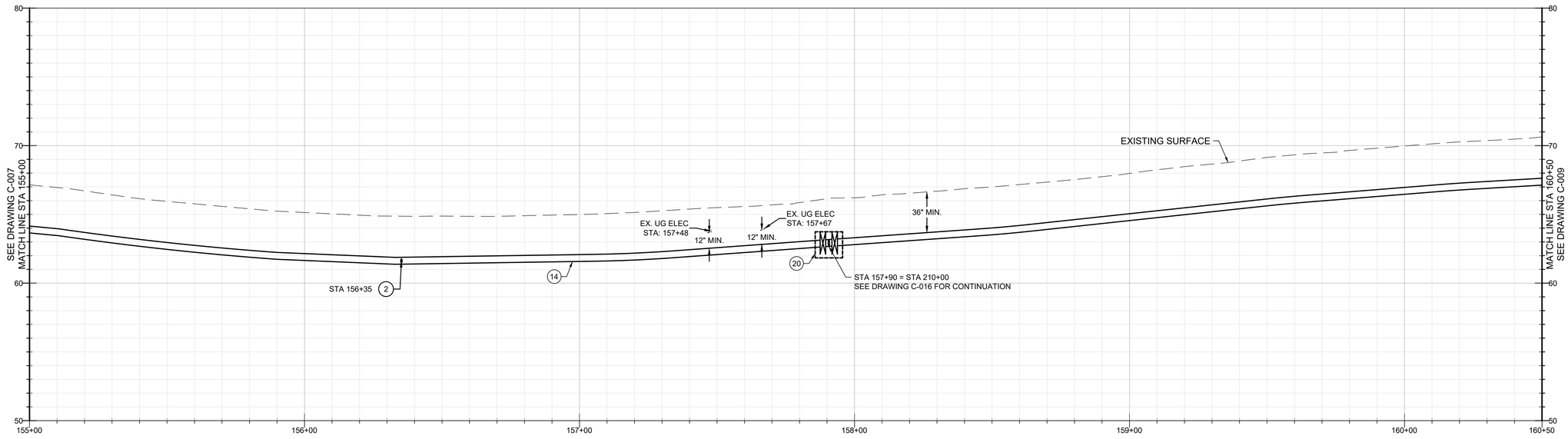
BLUFF ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 150+00 TO STA 155+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-007

SHEET NUMBER
12 OF 158

© Boyle/Projects/CWTRC - Community Water Center/CWTRC.200476.05 P&S Proj Eng./CAD/Sheet/Main Pipeline Plan And Profile 1.dwg
Thu, 2/26/26, 01:57:16 PM by Abby Dieger



PROFILE

20' 0' 20'

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

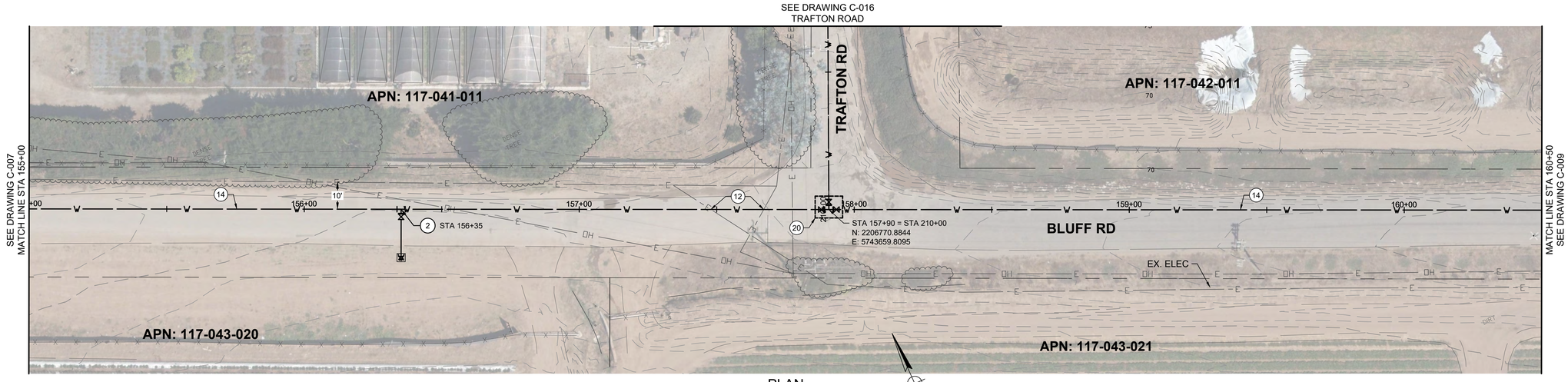
CONSTRUCTION KEY NOTES

(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'

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

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MNS
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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

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

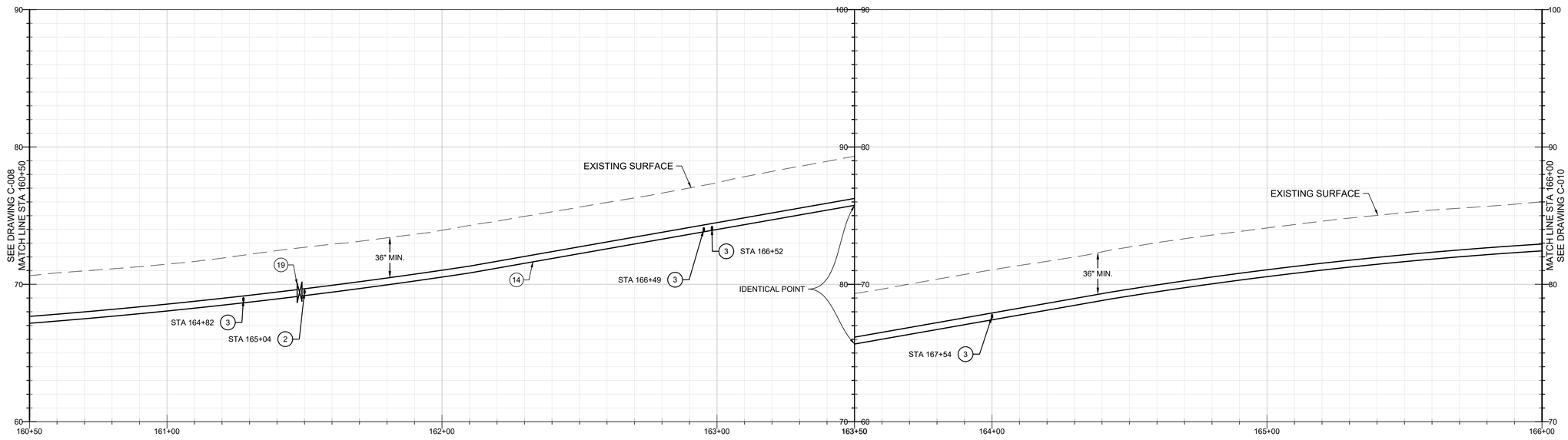
BLUFF ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 155+00 TO STA 160+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-008

SHEET NUMBER
13 OF 158

Thu, 26 Feb 26 - 21:10:18 PM By: Hope Mallroy
C:\BluePrintworks - Community Water Consortium\200476.05 Phase Proj\2 Eng_CAD\2 Base\Water Pipeline Plan And Profile_1.dwg



PROFILE

20' 0' 20'

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

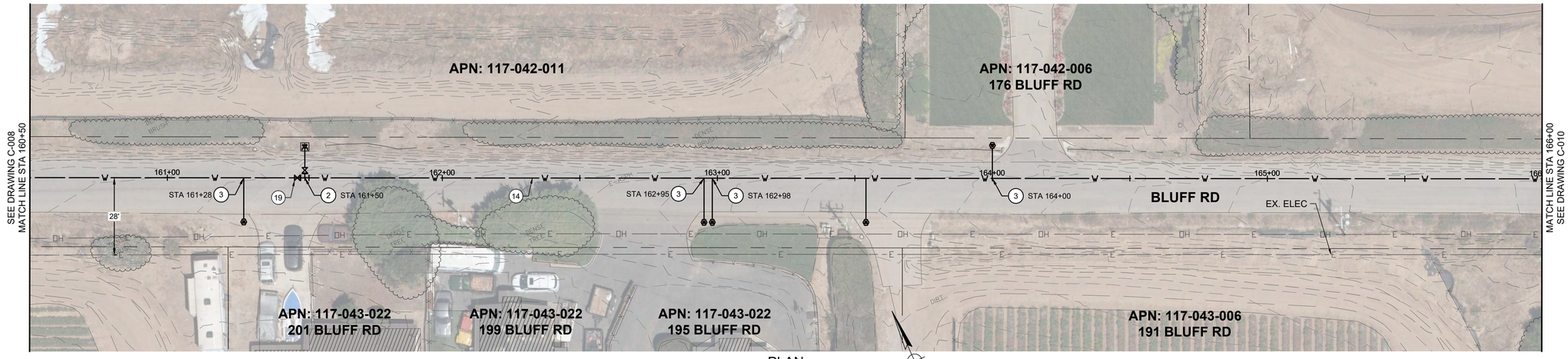
CONSTRUCTION KEY NOTES

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(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'

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REV	DATE	BY	DESCRIPTION

MNS
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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

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

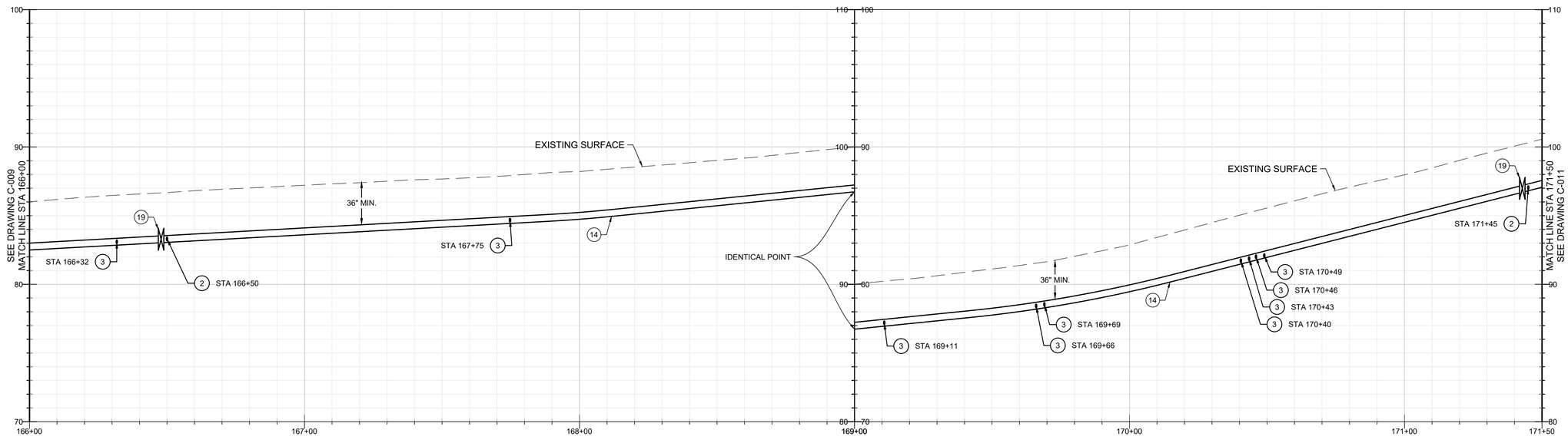
BLUFF ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 160+50 TO STA 166+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-009

SHEET NUMBER
14 OF 158

Thu, 04 Dec 25 01:18:18 PM by Nicol Mallory
C:\Bluff Project\Civil - Community Water Consolidation 2025\15 Plans (Prop)\1 Eng\1 CAD\2 Shoreliner Pipeline Plan And Profile - 1.dwg



PROFILE

20' 0' 20'

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

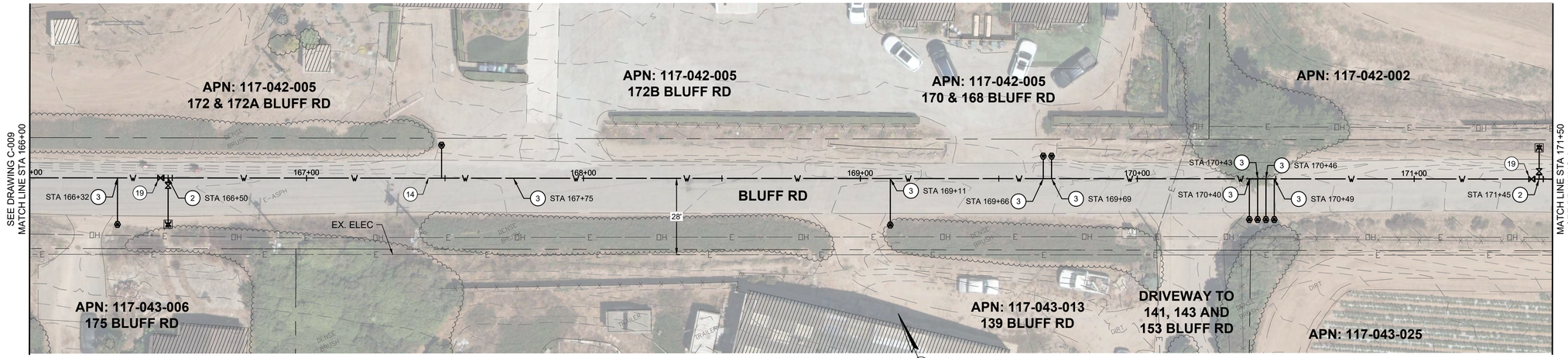
CONSTRUCTION KEY NOTES

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(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.

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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

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

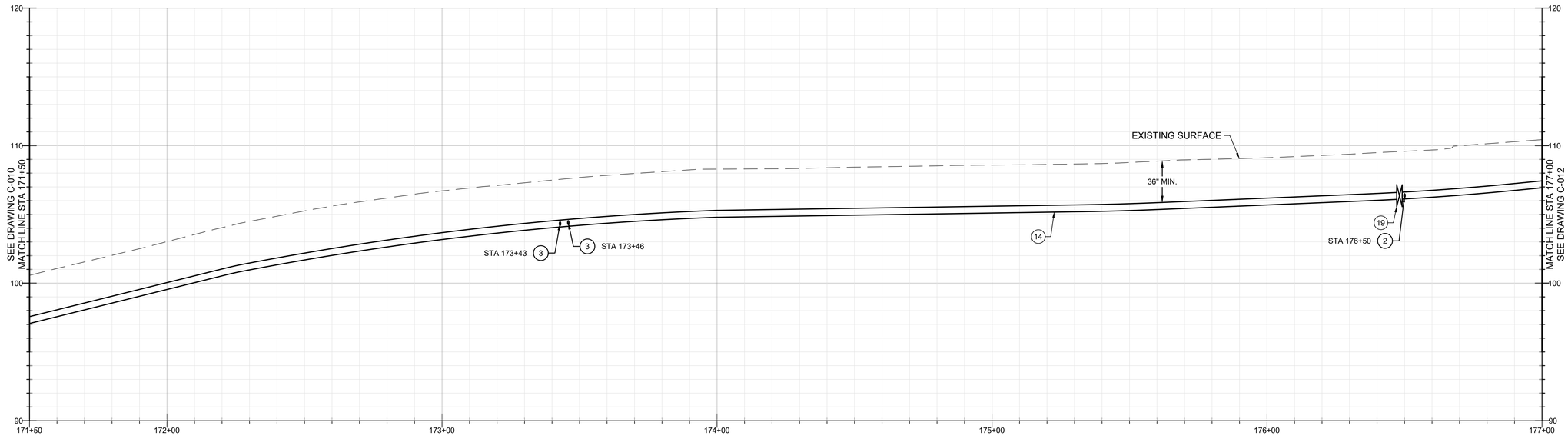
BLUFF ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 166+00 TO STA 171+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-010

SHEET NUMBER
15 OF 158

Thu, 04 Dec 25 01:18:18 PM by Alexis Mallory
C:\Bluff Project\com - Community Water Center\com-200476.05 Trans Proj\3 Eng\1 CAD\2 Shoot\Water Pipeline Plan And Profile - 1.dwg



PROFILE

20' 0' 20'

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

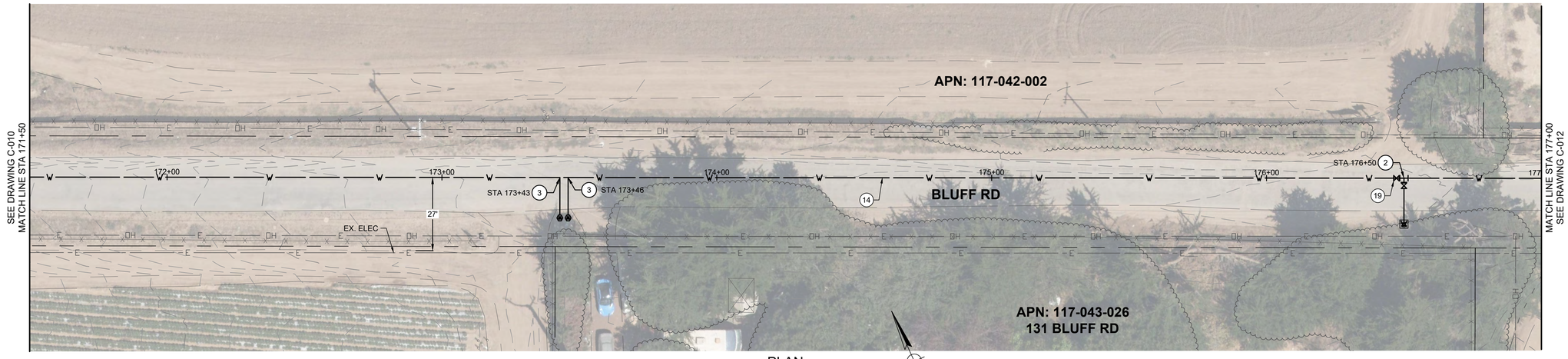
CONSTRUCTION KEY NOTES

(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.

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(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.

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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

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

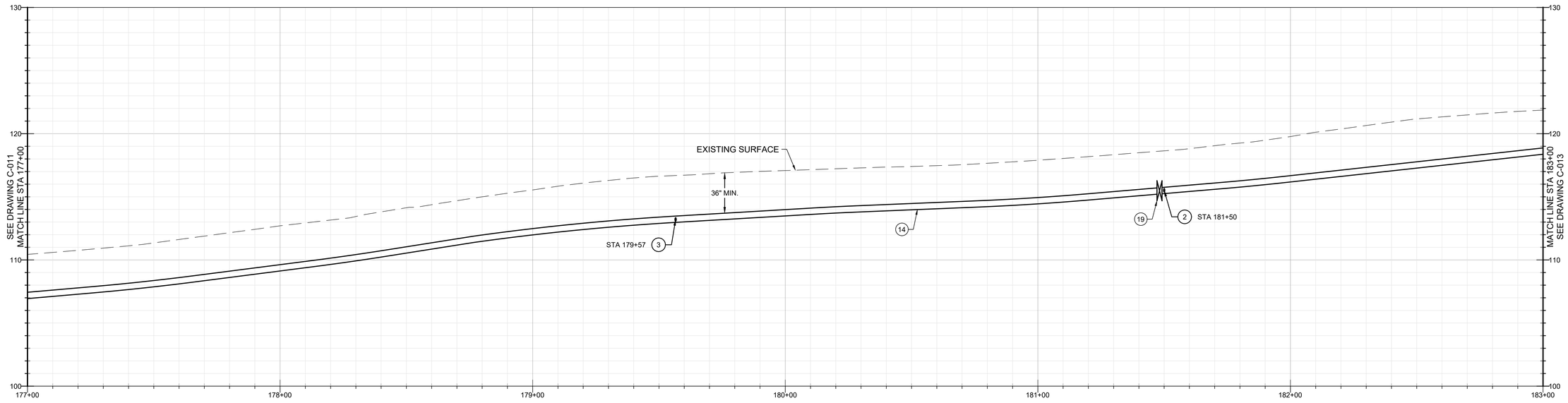
BLUFF ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 171+50 TO STA 177+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-011

SHEET NUMBER
16 OF 158

C:\Bluntproposals - Community Water Consortium\2025\35 Plans\Proj\Eng\CADD Shoot\Water Pipeline Plan And Profile - 1.dwg
Wed 21 Jan 26 12:37:39 PM by Alexis Mallory



PROFILE

20' 0' 20'

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

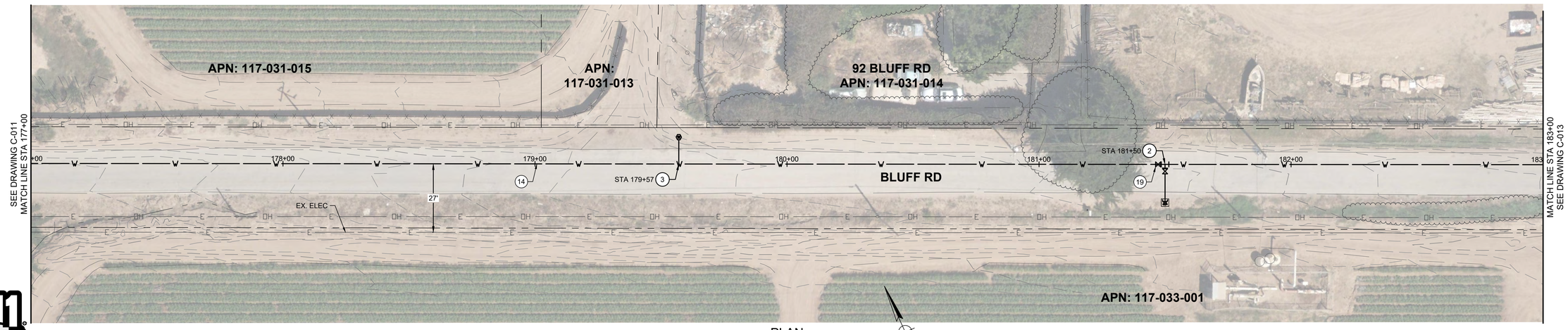
CONSTRUCTION KEY NOTES

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(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.

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REV	DATE	BY	DESCRIPTION

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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

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

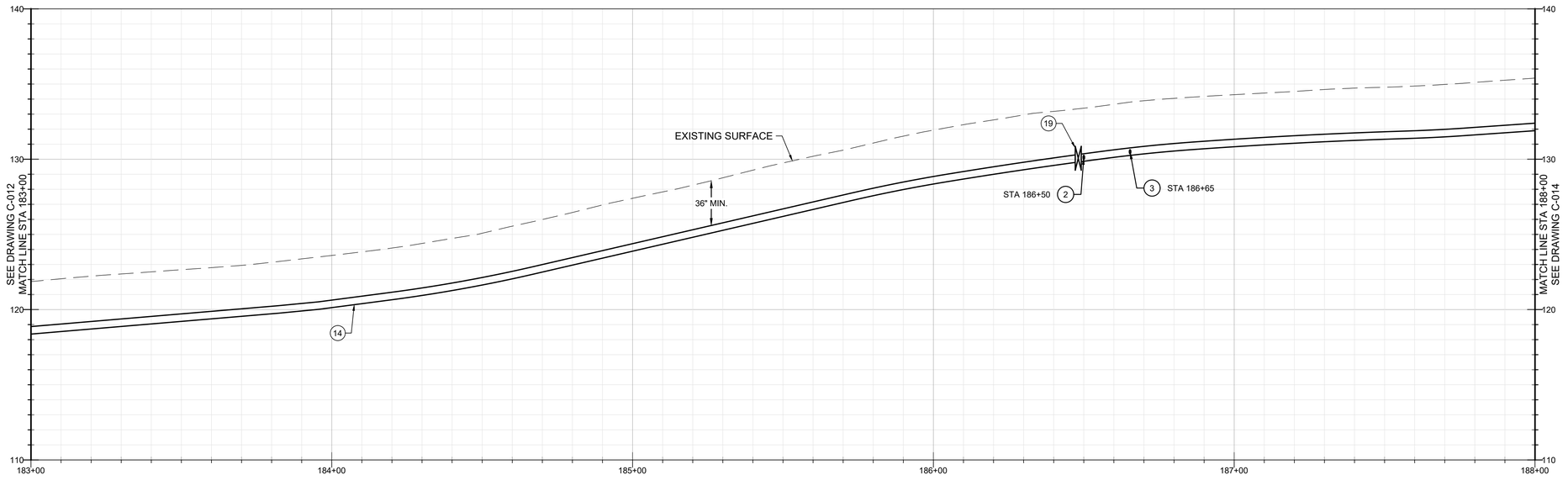
BLUFF ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 177+00 TO STA 183+00

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\25\25.05 Plans\Proj\3 Eng\CAD\3 Shoot\Water Pipeline Plan And Profile - 1.dwg



PROFILE

20' 0' 20'

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

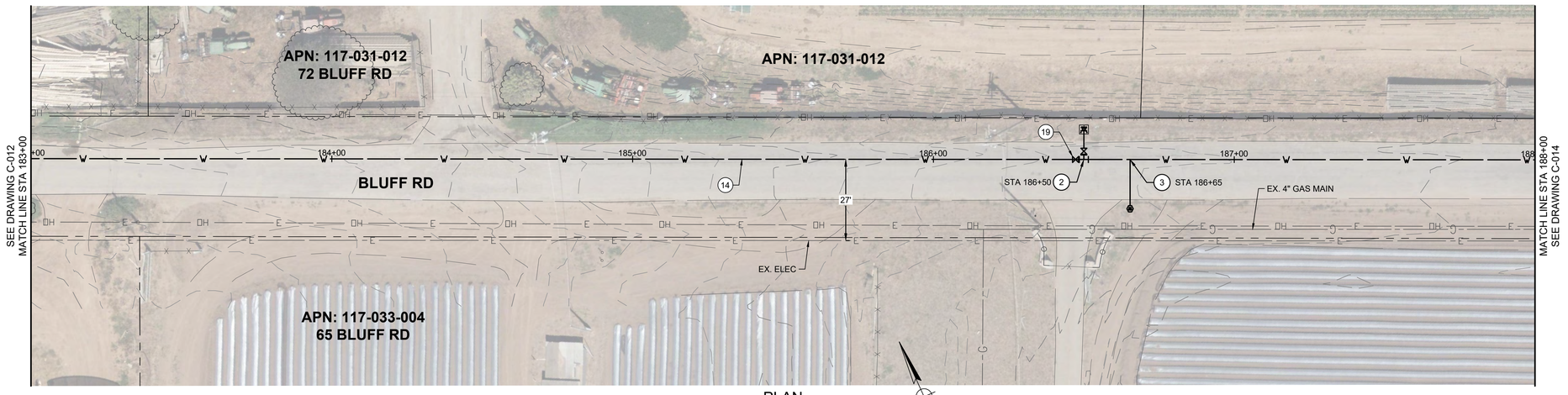
CONSTRUCTION KEY NOTES

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PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

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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

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

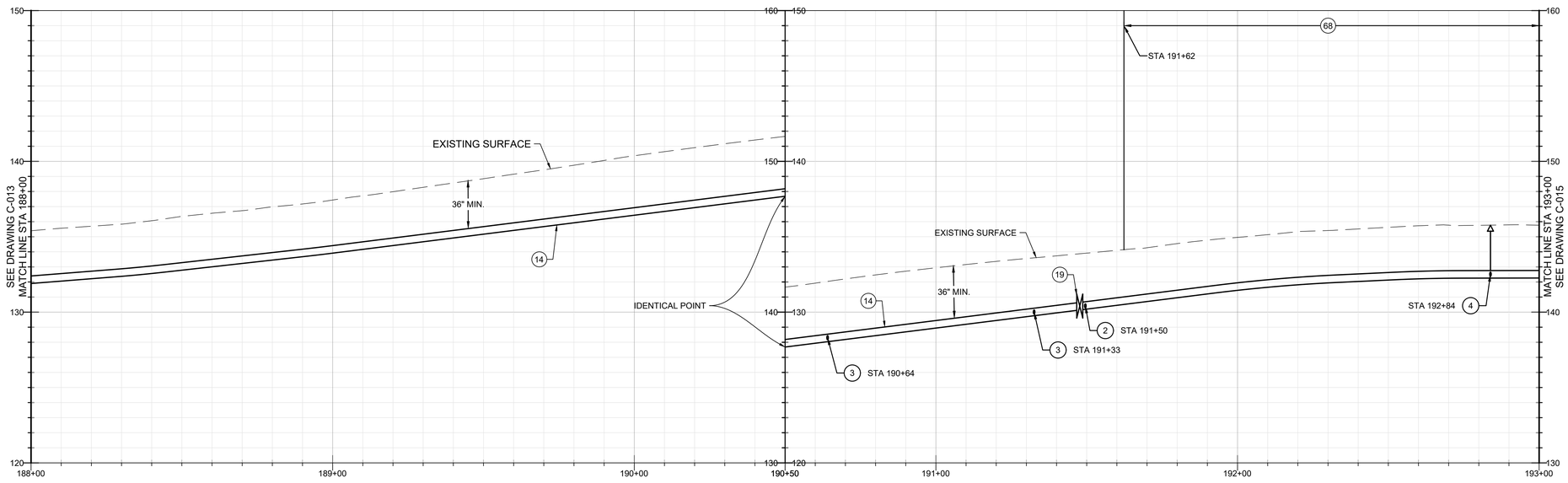
BLUFF ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 183+00 TO STA 188+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-013

SHEET NUMBER
18 OF 158

Wed 21 Jan 26 12:37:28 PM by Nicol Mallory
C:\Bluff Projects\Work - Community Water Consortium\250125.01 Pano Proj\1 Eng\1 CAD\2 Shoot\Water Pipeline Plan And Profile - 1.dwg



PROFILE

20' 0' 20'

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

CONSTRUCTION KEY NOTES

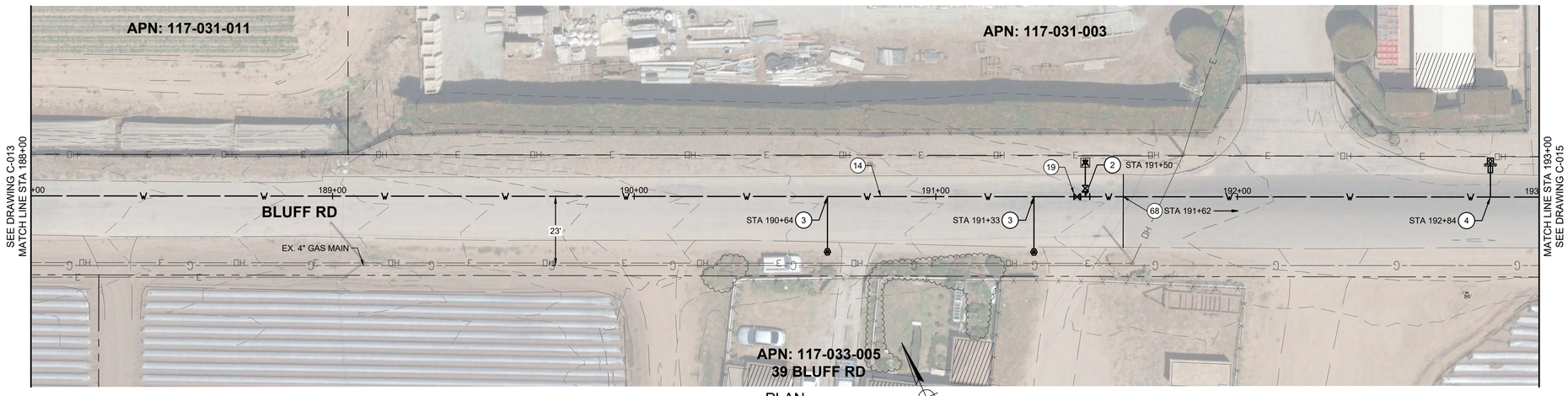
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(4) INSTALL AIR/VACUUM RELEASE VALVE ASSEMBLY PER STANDARD PLAN NO. 3-11. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(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'

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

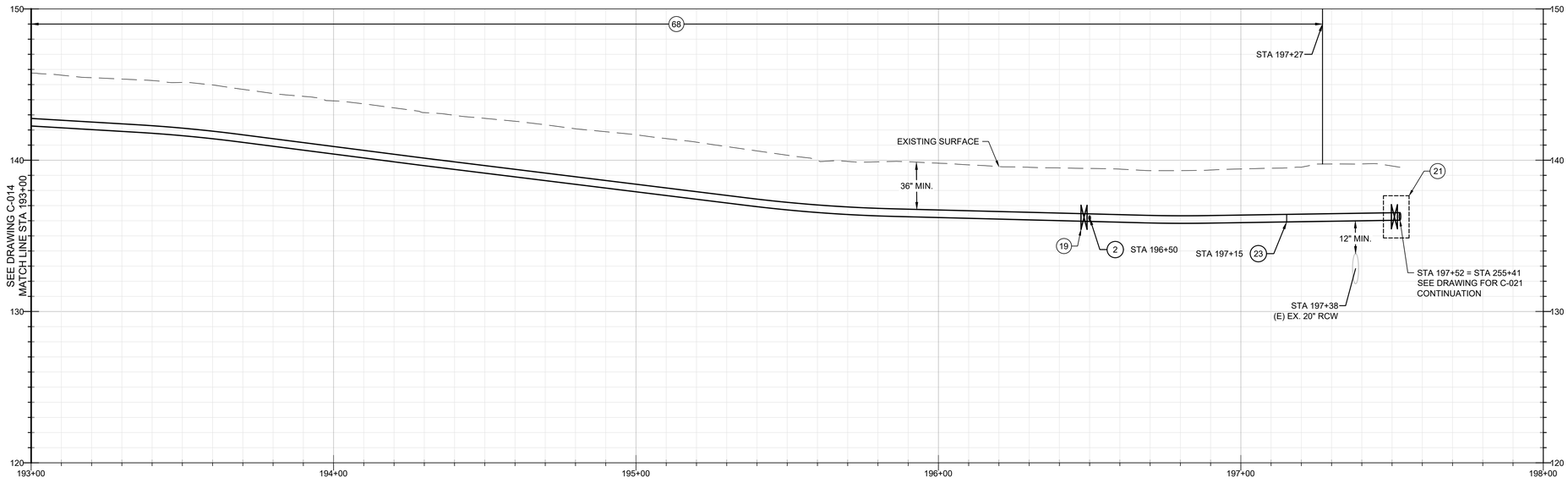
BLUFF ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 188+00 TO STA 193+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-014

SHEET NUMBER
19 OF **158**

C:\Bluntproposals - Community Water Cons\projects\2025\26 Panofsky\Eng\CAD\2 Shoot\Water Pipeline Plan And Profile - 1.dwg
Tue 27 Jan 26 07:28:58 PM by Alexis 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.

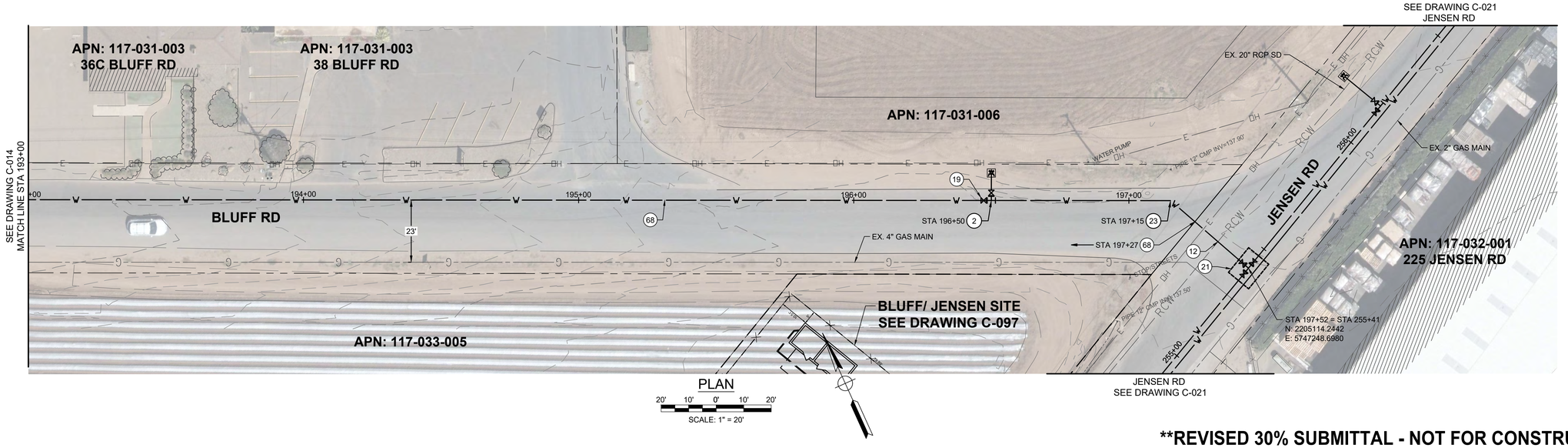
(12) PROTECT UTILITY IN PLACE

(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

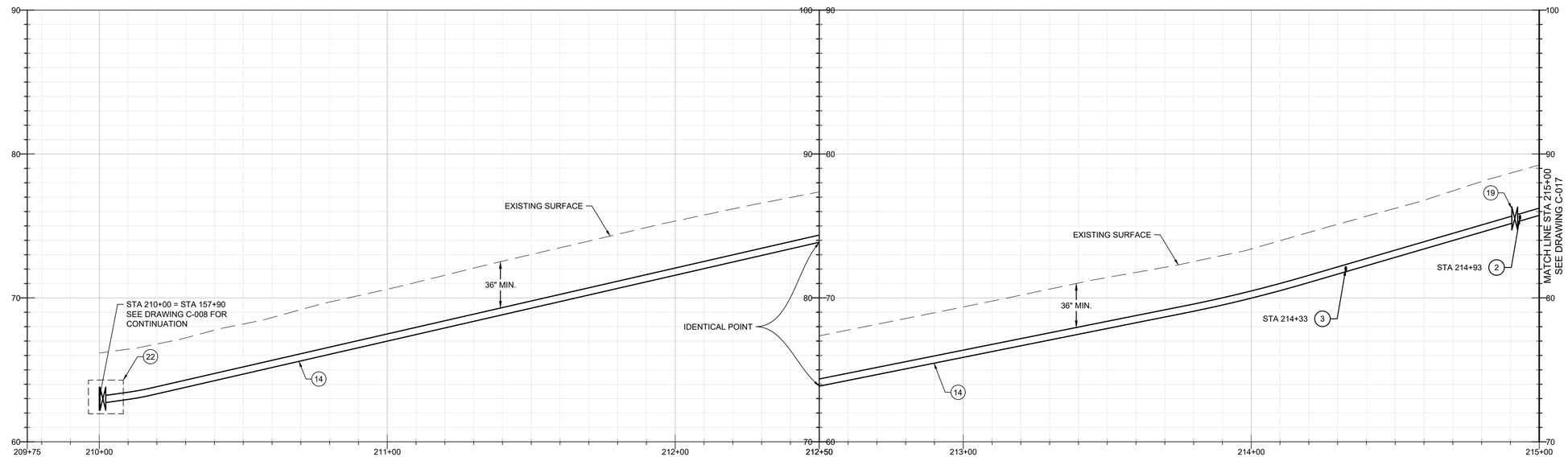
BLUFF ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 193+00 TO STA 198+00

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\com - Community Water Consortium\200476.05 Pure Proj\3 Eng_CAD\3 Base\Water Pipeline Plan And Profile_3.dwg



PROFILE

20' 0' 20'

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

CONSTRUCTION KEY NOTES

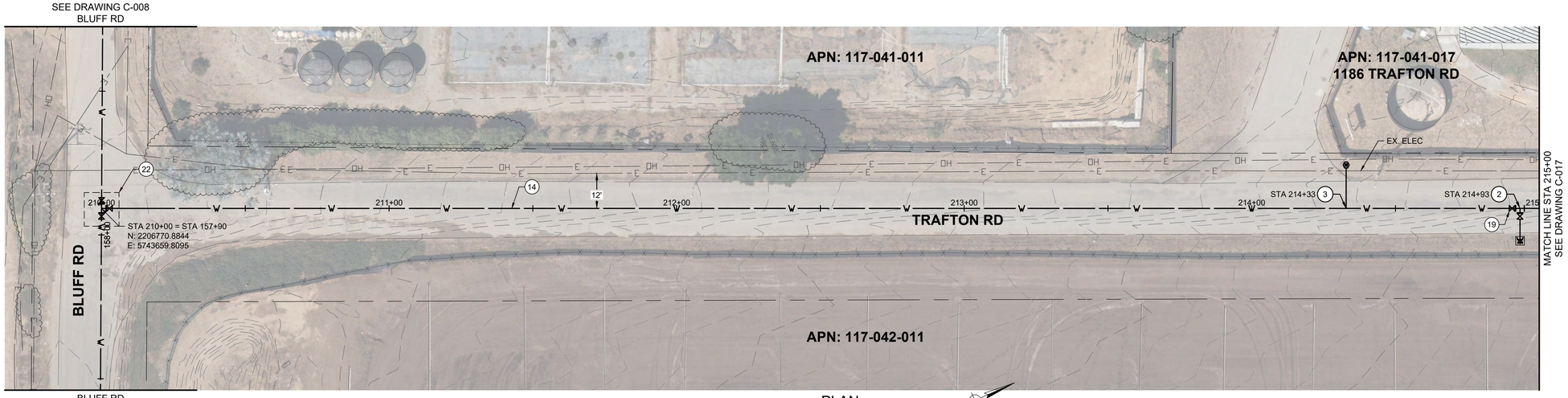
(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(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.



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

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

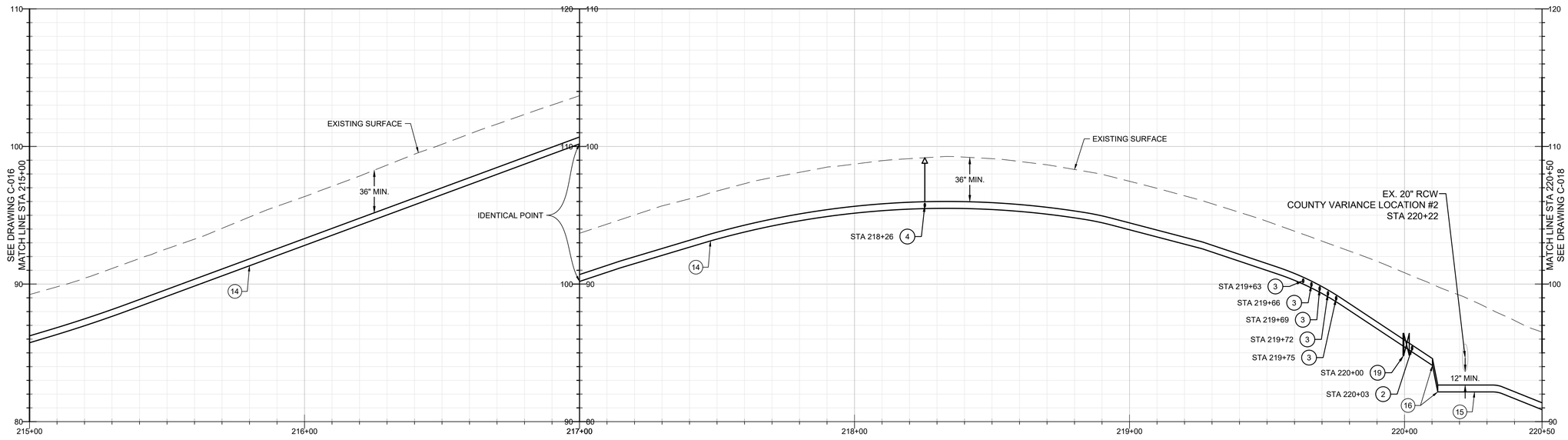
TRAFTON ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 210+00 TO STA 215+00

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 Distribution 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.

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

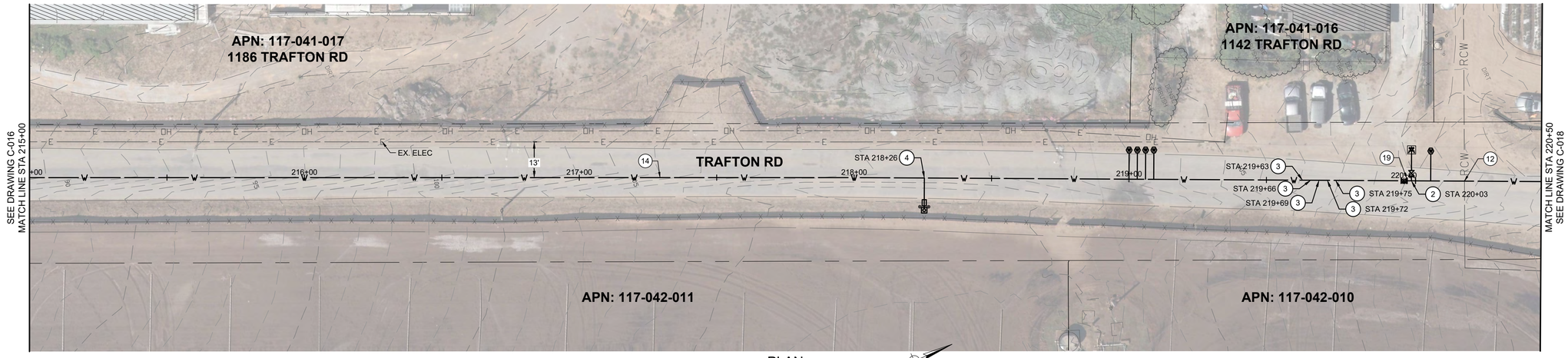
(12) PROTECT UTILITY IN PLACE

(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
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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

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

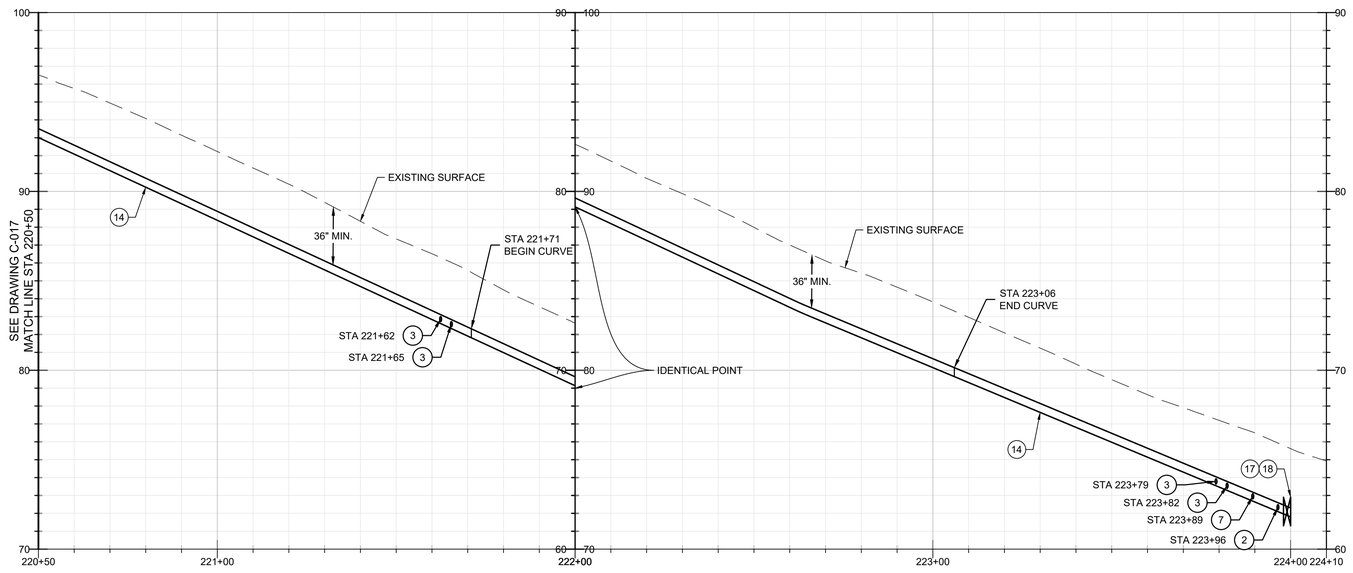
TRAFTON ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 215+00 TO STA 220+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-017

SHEET NUMBER
22 OF 158

Thu 1:15pm 29 01 26 Mill by: Nicol Mallory
C:\Build Projects\Work - Community Water Consortium\200476.05 Trans Proj\3 Eng\ CAD\ Shoot\Water 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.

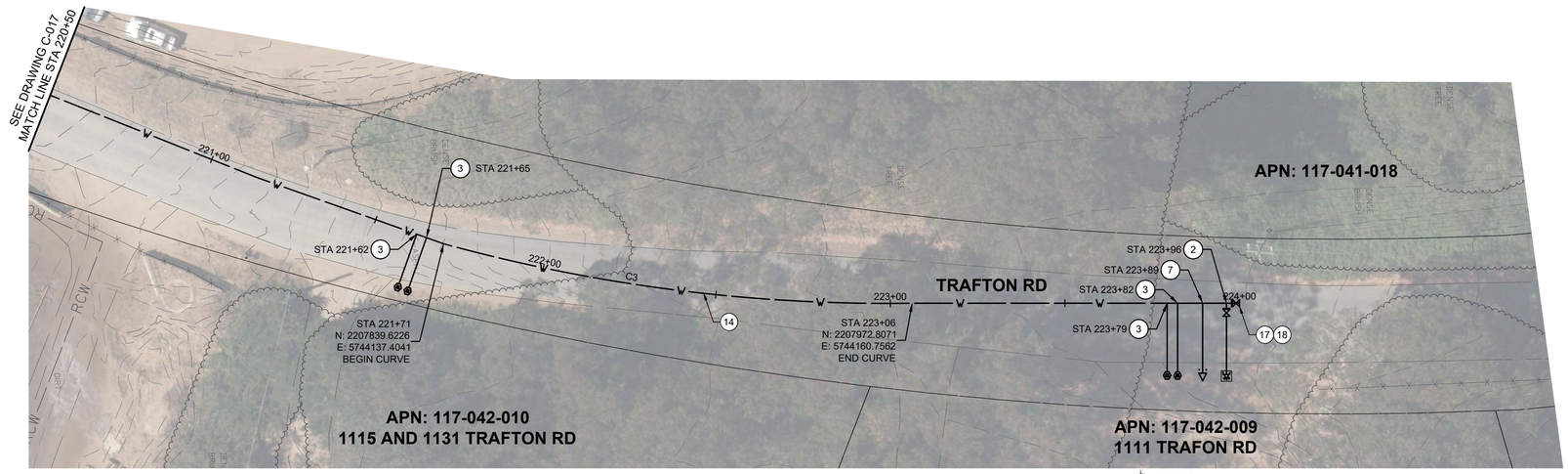
(7) INSTALL SAMPLING STATION PER STANDARD PLAN NO. 3-21. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(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'

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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

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

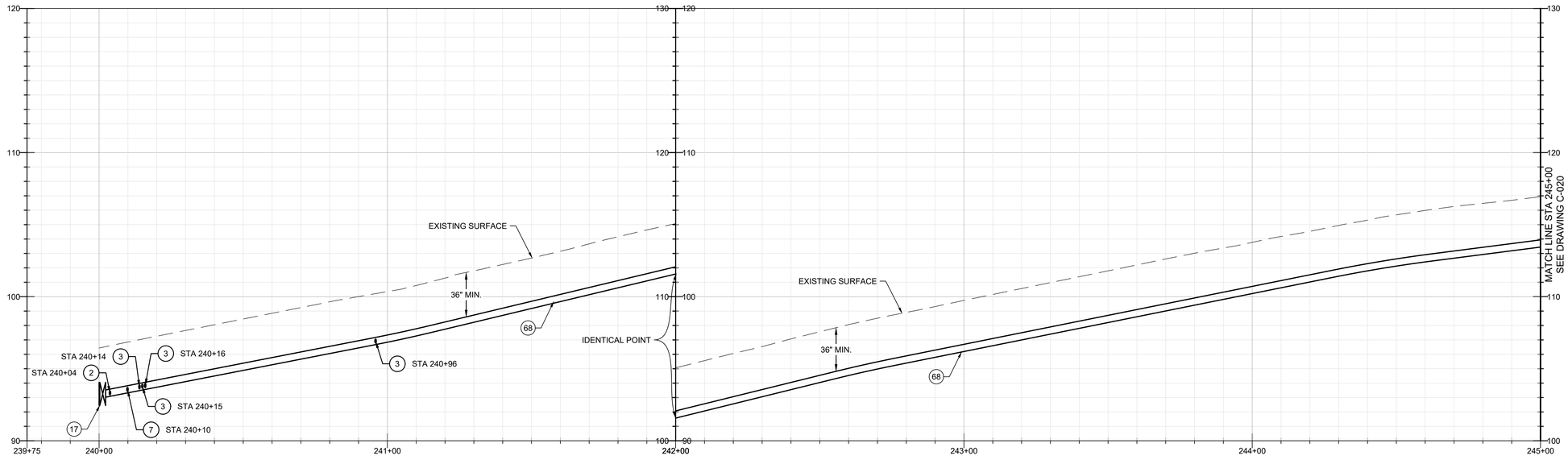
TRAFTON ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 220+50 TO STA 224+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-018

SHEET NUMBER
23 OF 158

Thu, 15 Jan 26 - 08:47:08 AM by Abby Dodge
C:\Build Projects\CWTRC - Community Water Center\CWTRC.200476.05 P&S\E-Eng_CADD Sheets\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.

(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

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

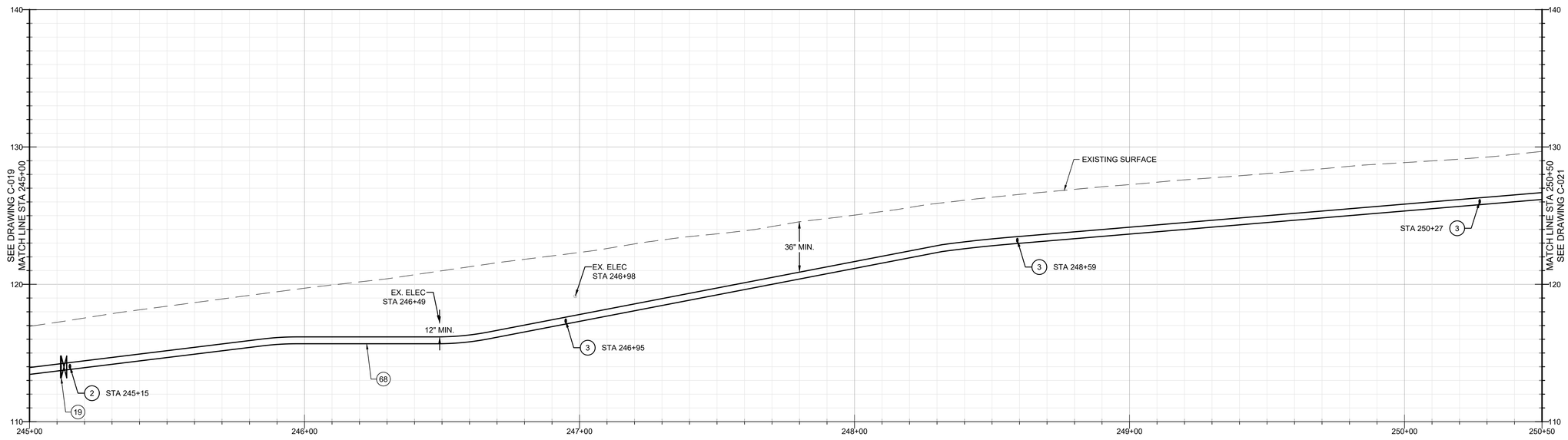
JENSEN ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 240+00 TO STA 245+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-019

SHEET NUMBER
24 OF 158

Wed 21 Jan 26 12:43:21 PM by Yesid Mallorg
C:\Bluebeam\Documents - Community Water Consolidation\20476.05 Plans\Proj\C-Eng\C-CAD\Distribution Pipeline Plan And Profile - 1.dwg



PROFILE

20' 0' 20'

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

CONSTRUCTION KEY NOTES

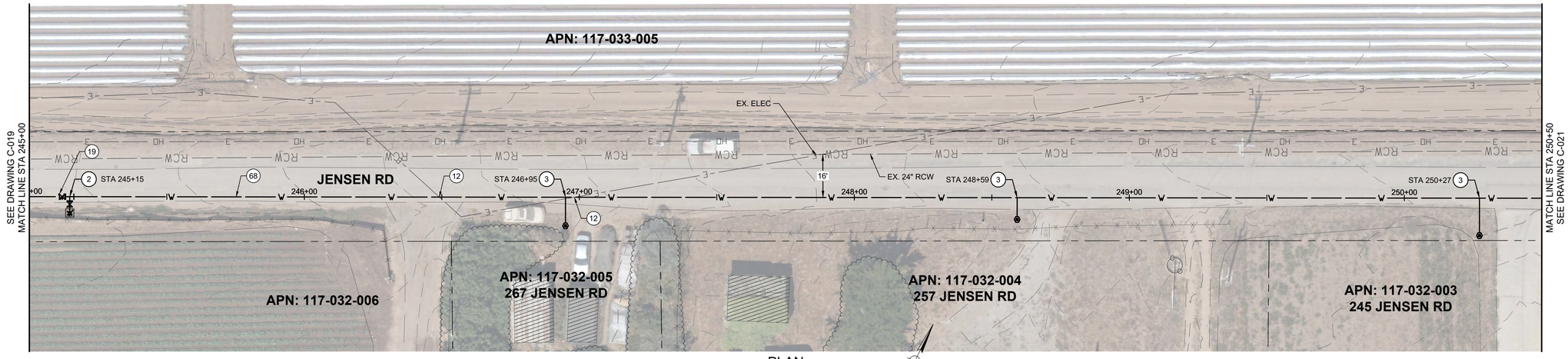
(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(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.

(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'

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

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

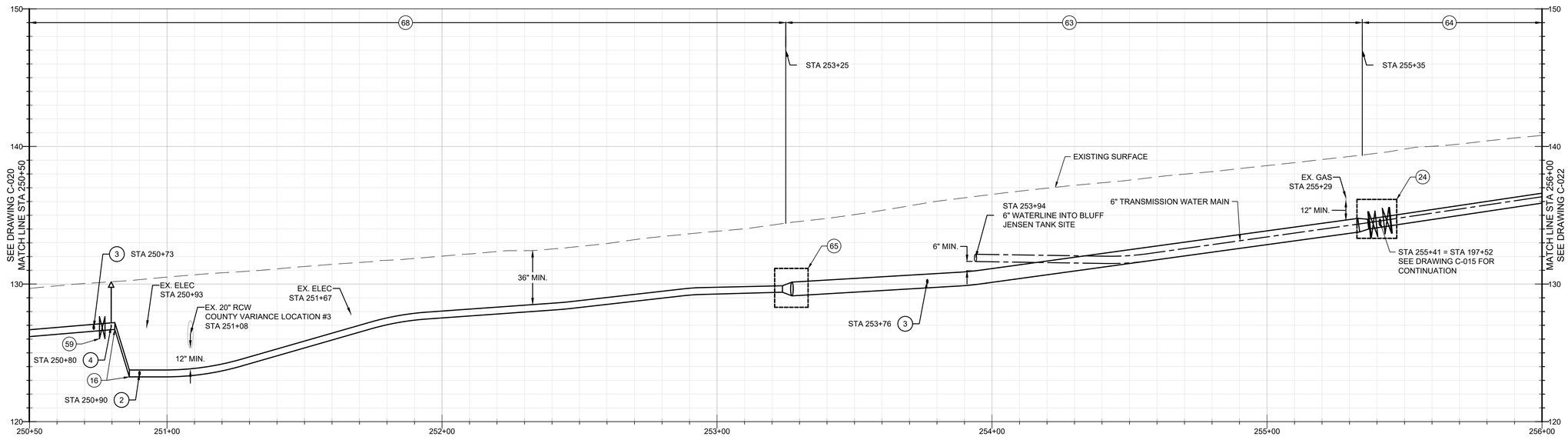
JENSEN ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 245+00 TO STA 250+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-020

SHEET NUMBER
25 OF 158

Wed 21 Jan 26 12:43:21 PM by Nicol Mallory
C:\Bluebeam\Documents - Community Water Cons\projects\2025.05 Trans Proj\1 Eng\1 CAD\2 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.

(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.

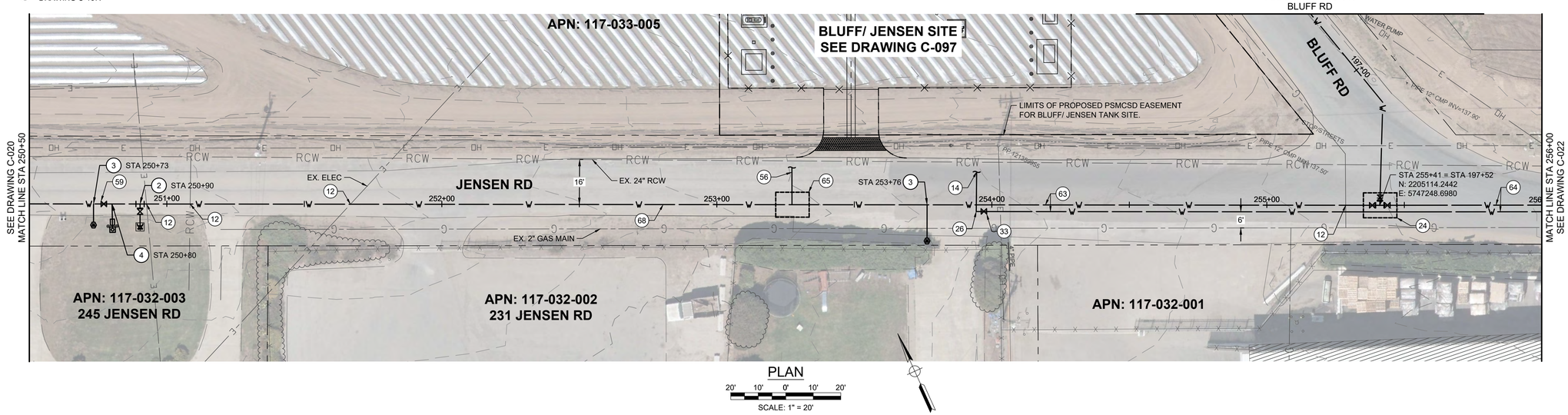
(56) INSTALL 10" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE A, DRAWING C-107.

(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'

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

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

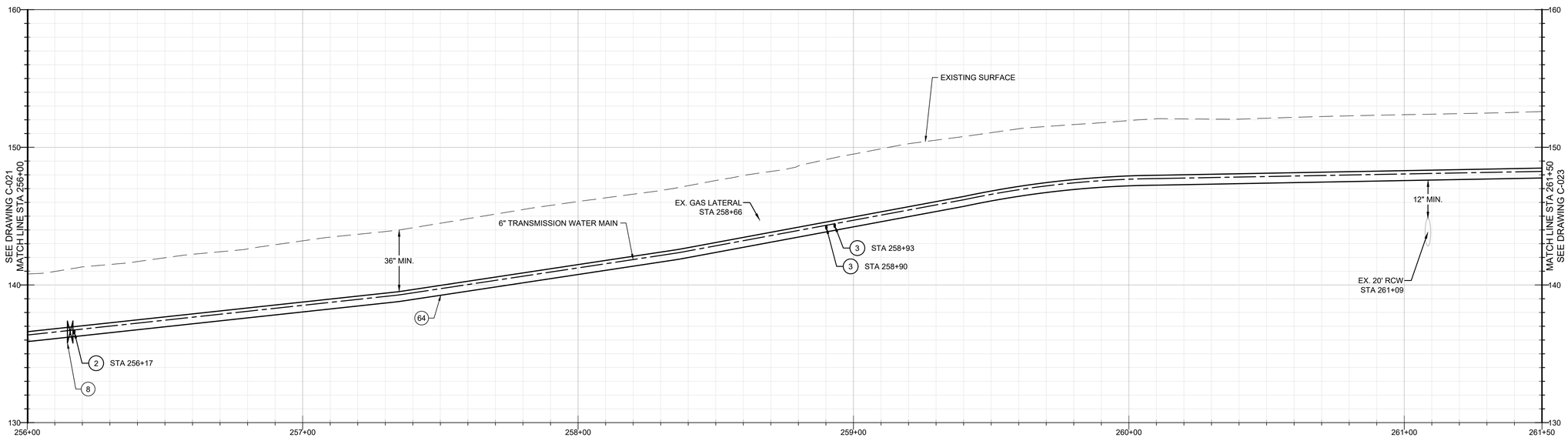
JENSEN ROAD DUAL PIPELINE PLAN AND PROFILE - STA 250+50 TO STA 256+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-021

SHEET NUMBER
26 OF 158

C:\Bim\Projects\com - Community Water Consortium_2024\3.28 Form Prp\01 Engr_CAD\2 Drawings\Pajaro Plan And Profile - 1.dwg
Wed 21 Jan 26 12:54:21 PM by Floyd Mallery



PROFILE

20' 0' 20'

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

CONSTRUCTION KEY NOTES

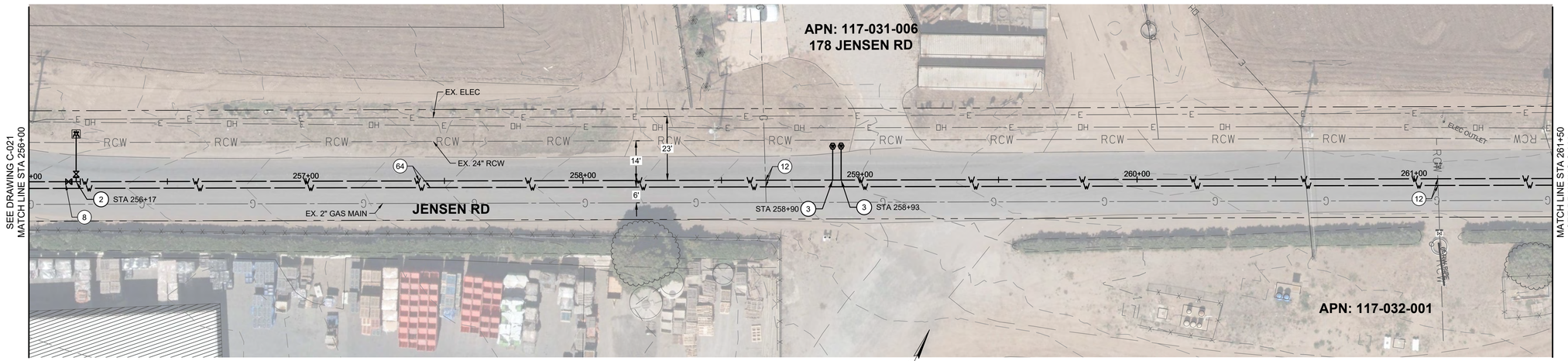
(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(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

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

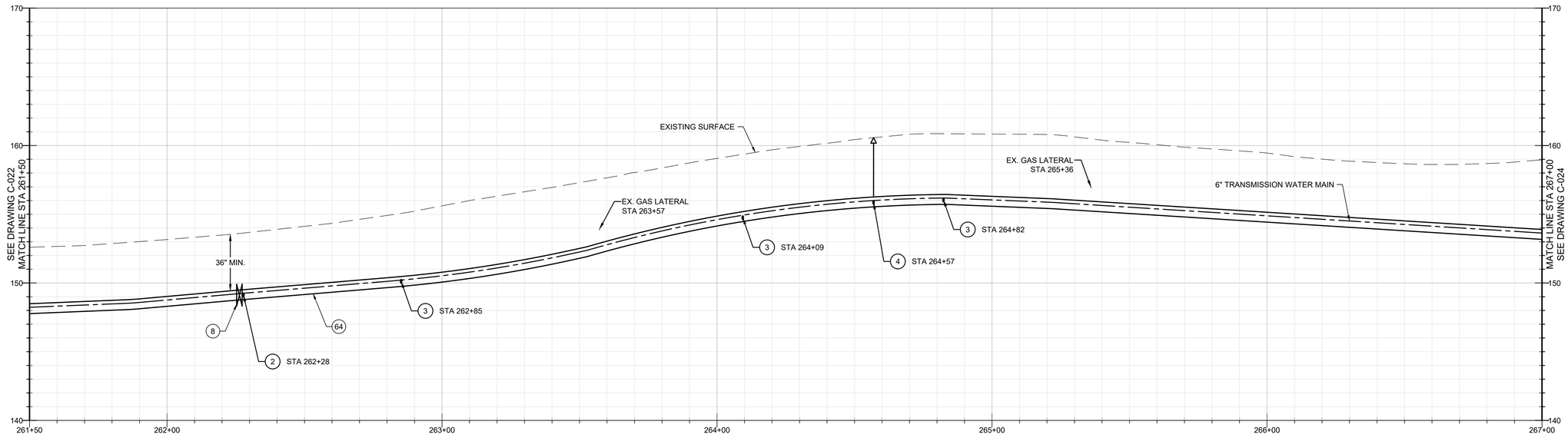
JENSEN ROAD DUAL PIPELINE PLAN AND PROFILE - STA 256+00 TO STA 261+50

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:\Bluebeam\Documents - Community Water Consortium\25\25.05 Trans Proj\3 Eng\1 CAD\3 Shoot\Water Pipeline Plan And Profile - 1.0.pwg



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.

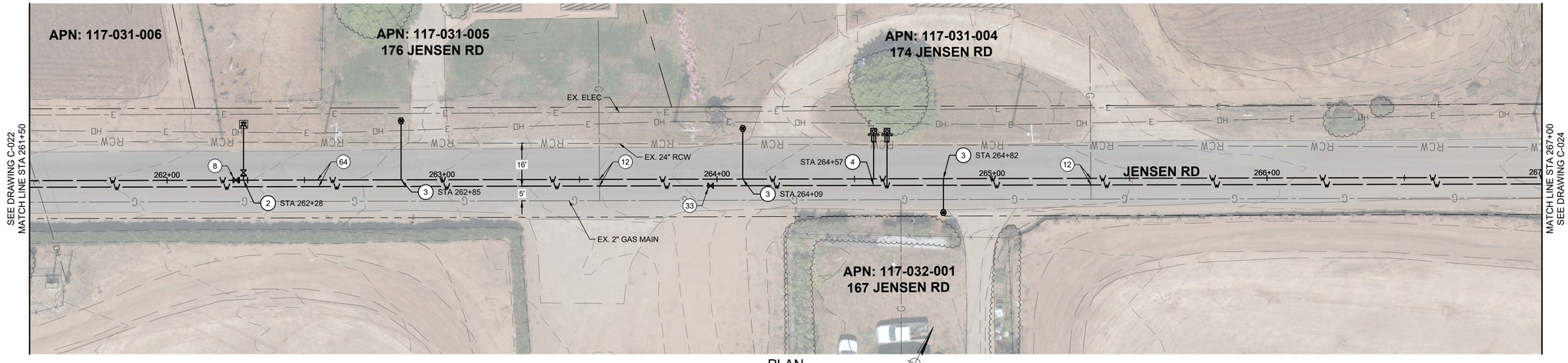
(3) INSTALL 1" WATER SERVICE, 3/4" METER, AND METER BOX PER STANDARD PLAN NO. 3-02.03 AND DETAIL 1, CASE F, DRAWING C-107. REFER TO DRAWINGS C-078 THROUGH C-097 FOR PRIVATE LATERAL PLAN.

(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.

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REV	DATE	BY	DESCRIPTION

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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

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

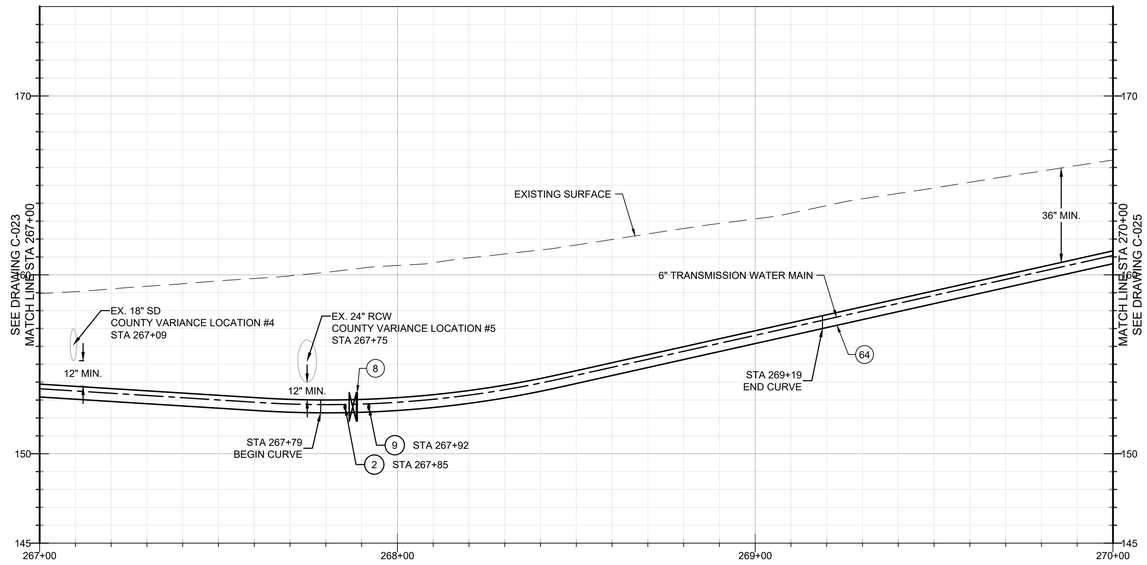
JENSEN ROAD DUAL PIPELINE PLAN AND PROFILE - STA 261+50 TO STA 267+00

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
C:\BuzzProjects\com - Community Water Center\com-22003\26 Plans Prep\3 Eng_CAD\3 Sheets\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.

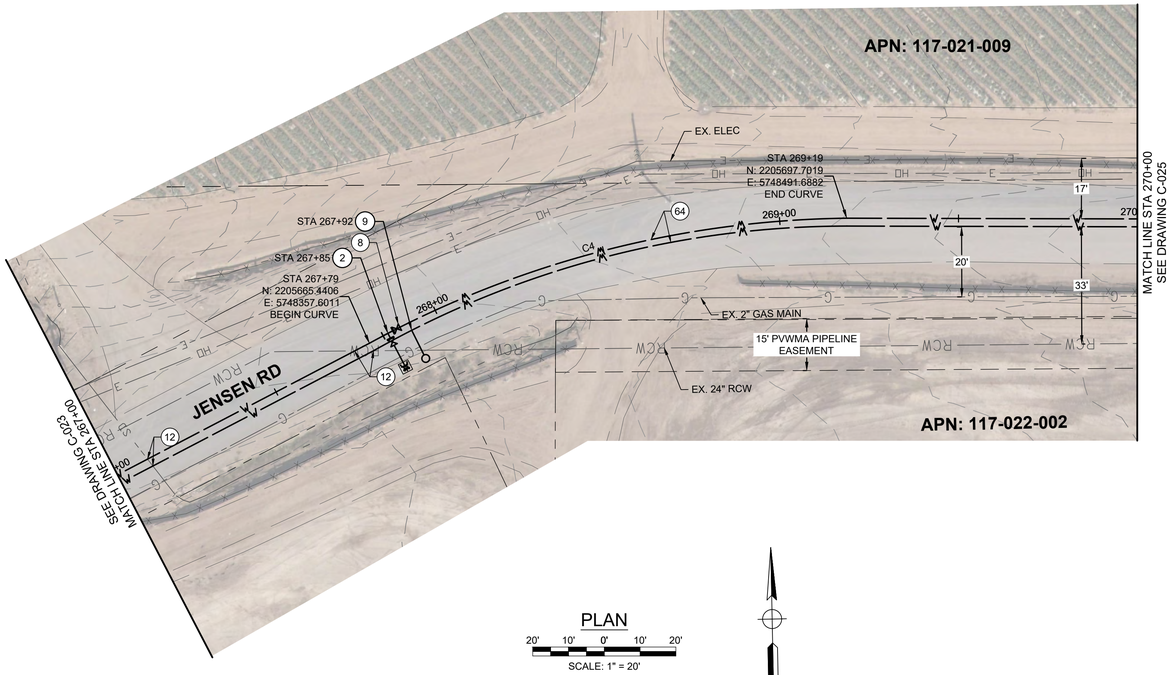
(8) INSTALL 8" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.

(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
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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

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

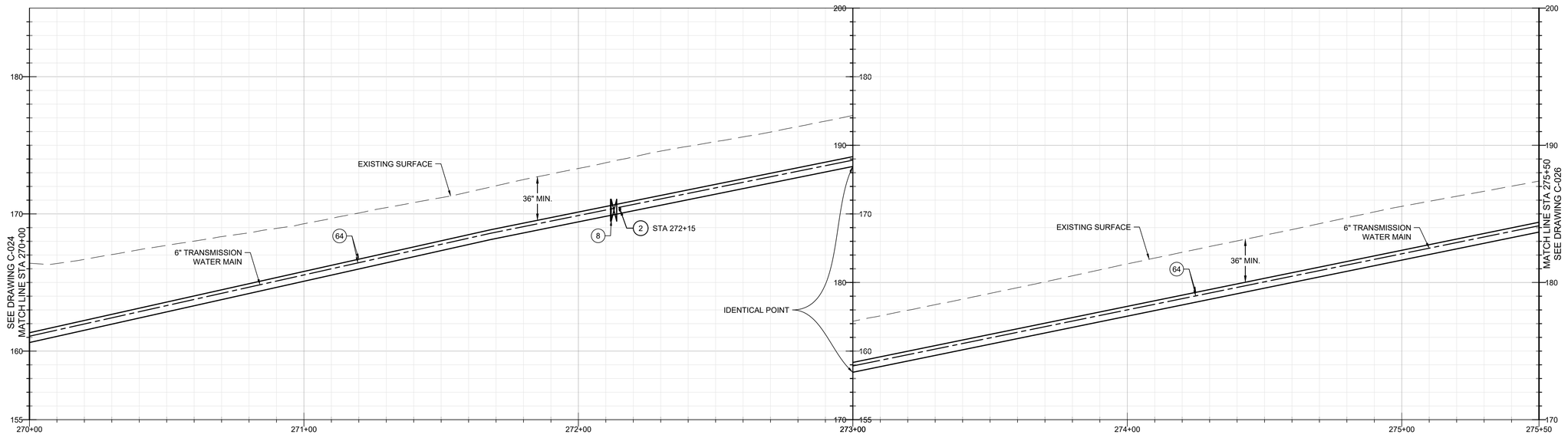
JENSEN ROAD DUAL PIPELINE PLAN AND PROFILE - STA 267+00 TO STA 270+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-024

SHEET NUMBER
29 OF 158

C:\Box\Projects\Pajaro - Community Water Consortium\200476.05 Plans Proj\Eng_CAD\1 Sheets\Main Pipeline Plan And Profile - 1.dwg
Tue 3/03/26 01:08:47 PM by Hope Mabrey



PROFILE

20' 0' 20'

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

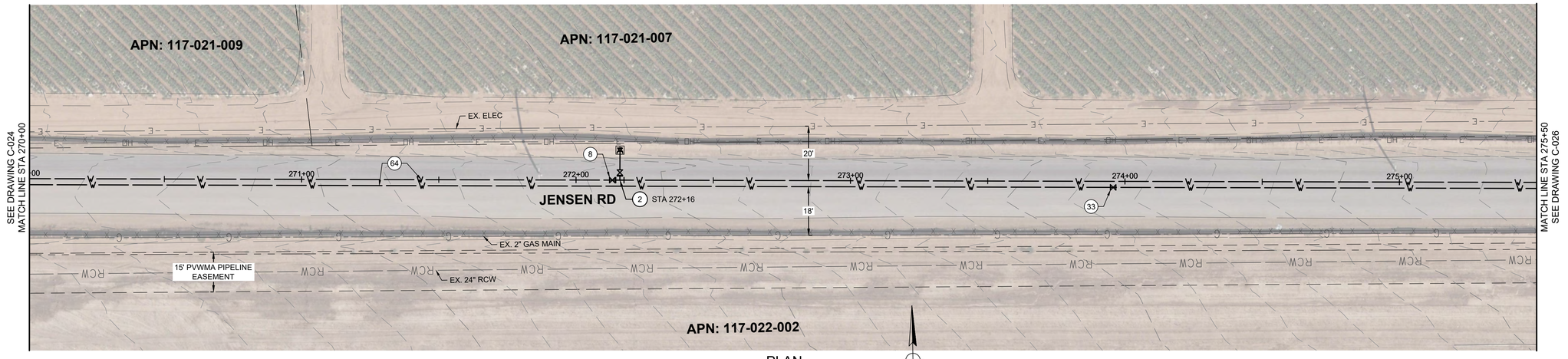
CONSTRUCTION KEY NOTES

(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.

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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

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

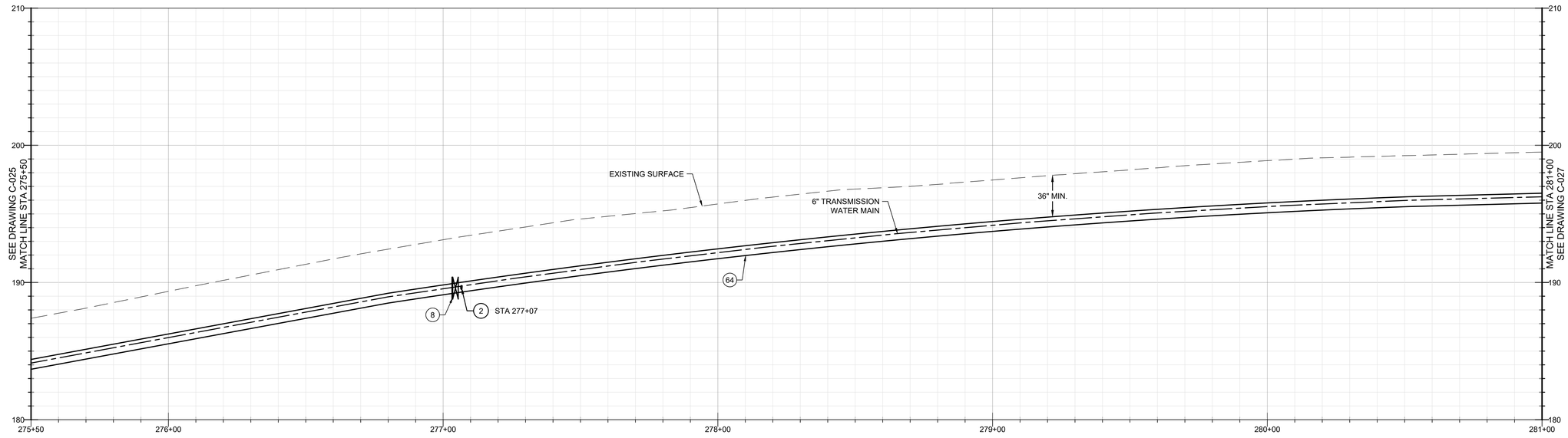
JENSEN ROAD DUAL PIPELINE PLAN AND PROFILE - STA 270+00 TO STA 275+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-025

SHEET NUMBER
30 OF 158

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Tue 3/25/25 - 01:09:47 PM By: Hope Mahony



PROFILE

20' 0' 20'

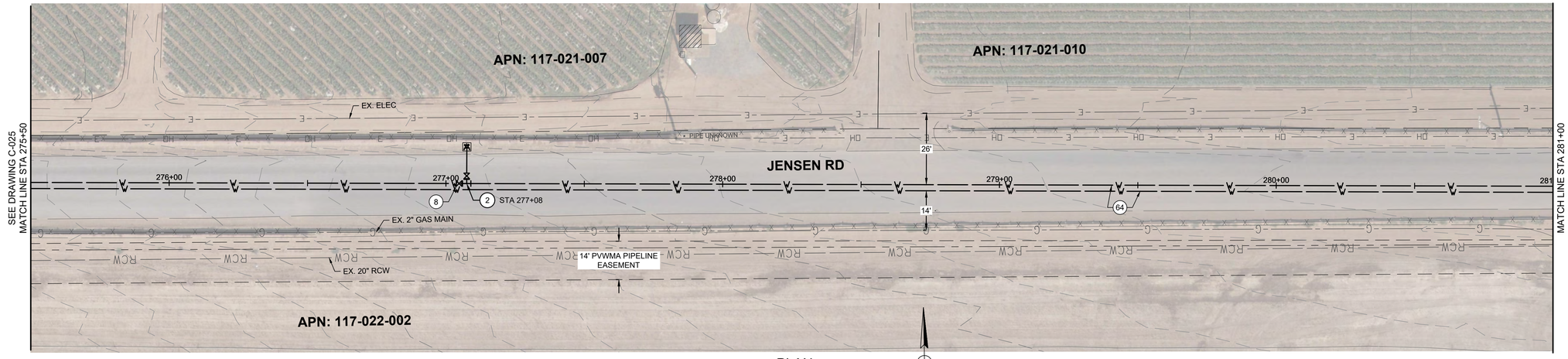
HORIZ: 1" = 20'
VERT: 1" = 4'

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'

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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

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

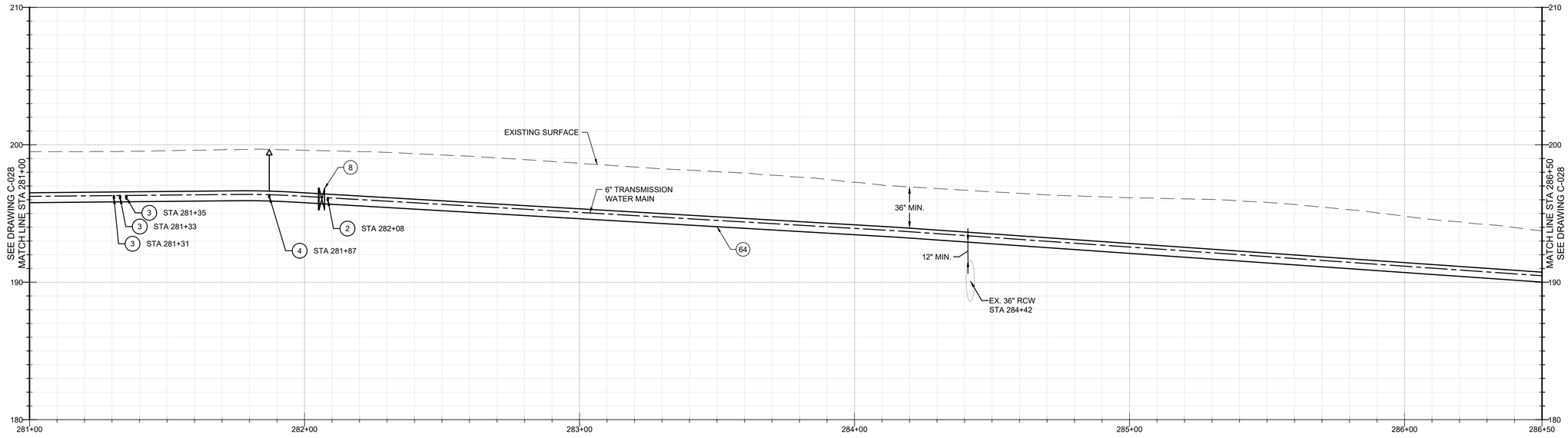
JENSEN ROAD DUAL PIPELINE PLAN AND PROFILE - STA 275+50 TO STA 281+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-026

SHEET NUMBER
31 OF 158

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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.

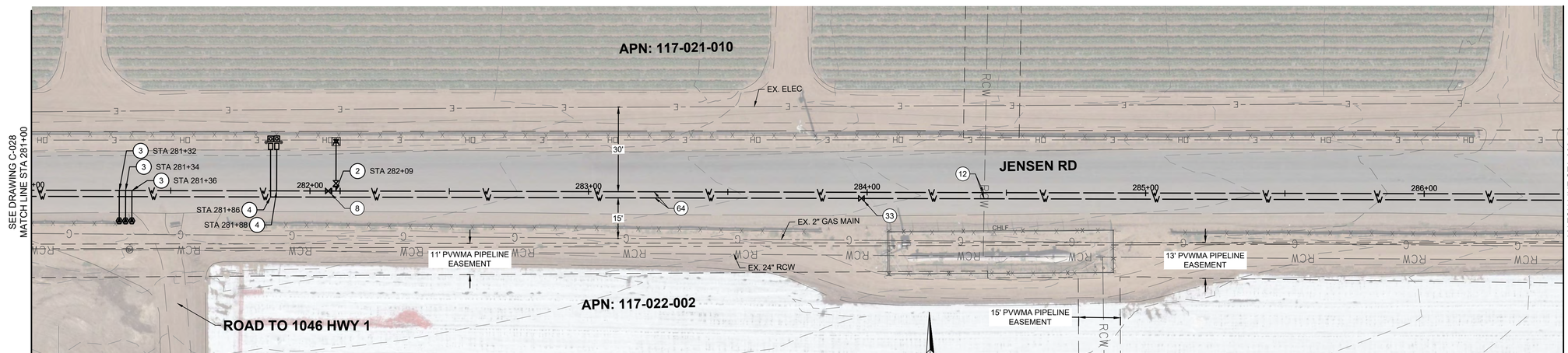
(4) INSTALL AIR/VACUUM RELEASE VALVE ASSEMBLY PER STANDARD PLAN NO. 3-11. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(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.

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REV	DATE	BY	DESCRIPTION

MNS
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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

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

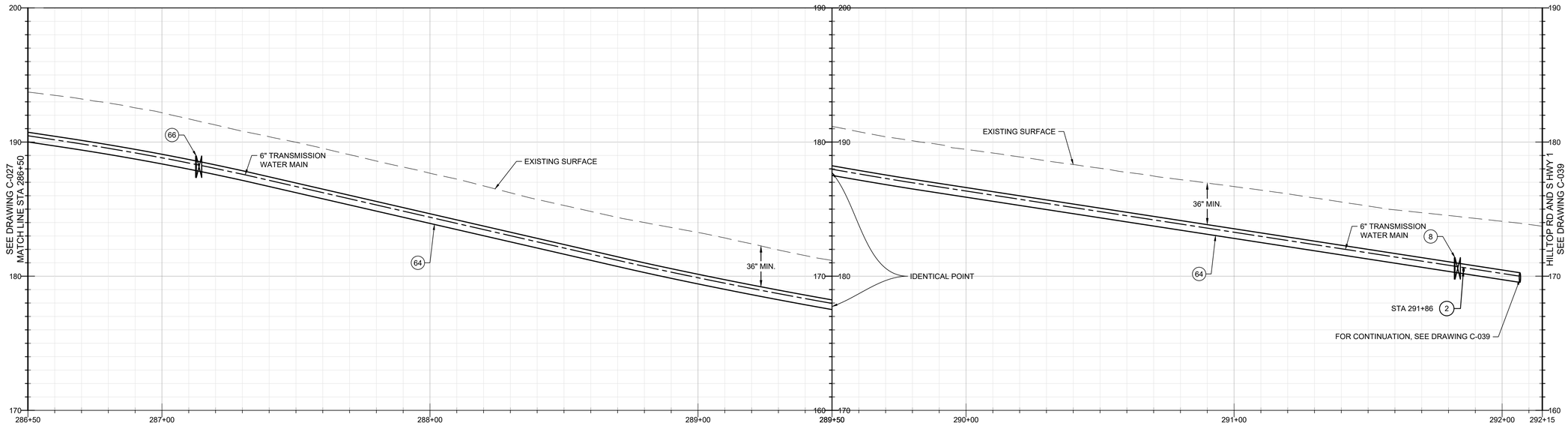
JENSEN ROAD DUAL PIPELINE PLAN AND PROFILE - STA 281+00 TO STA 286+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-027

SHEET NUMBER
32 OF 158

Tue, 3/24/26 - 8:18:57 PM by Paige Mahony
C:\Box\Projects\Active - Community Water Conservancy\2024\28 Pano Proj\Eng_CAD\2 Streamliner Pipeline Plan And Profile - 3.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.

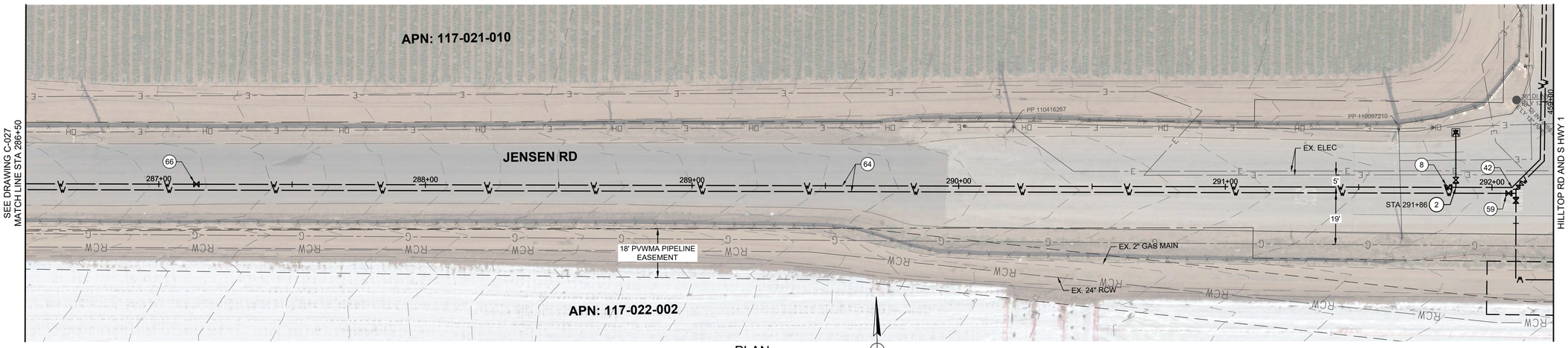
(8) INSTALL 8" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.

(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.

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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

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

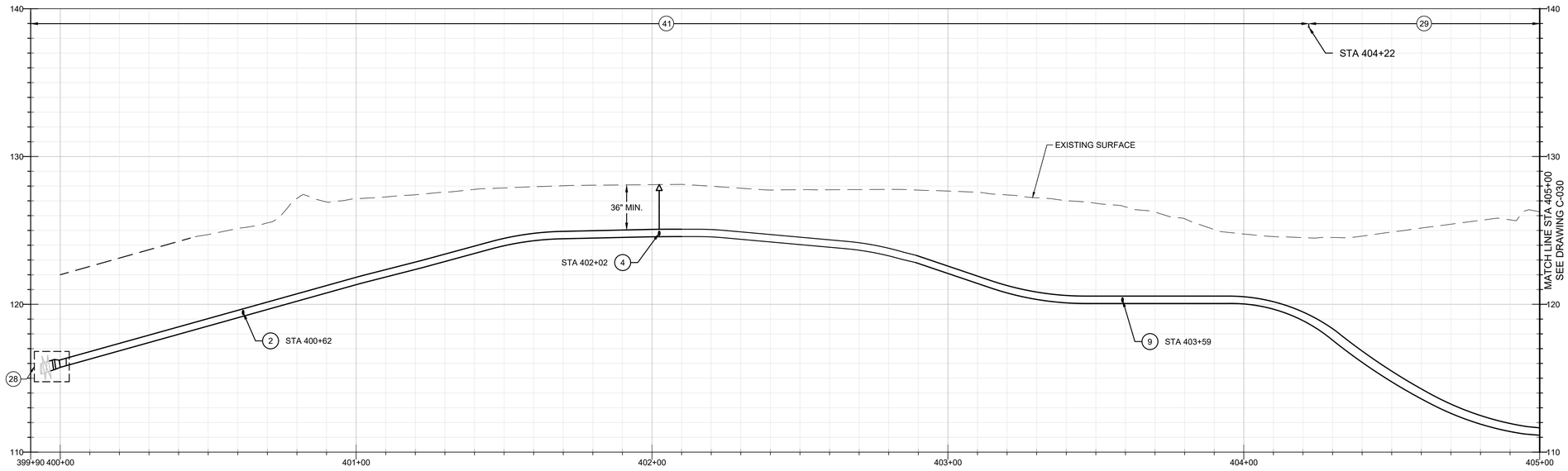
JENSEN ROAD DUAL PIPELINE PLAN AND PROFILE - STA 286+50 TO STA 292+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-028

SHEET NUMBER
33 OF 158

C:\Box\Projects\Community Water Center\200476.05 Pana Proj\Eng_CAD\Sheets\Water Pipeline Plan And Profile - 3.dwg
Tue, 3/25/25 01:09:47 PM by Hope Mallory
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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.

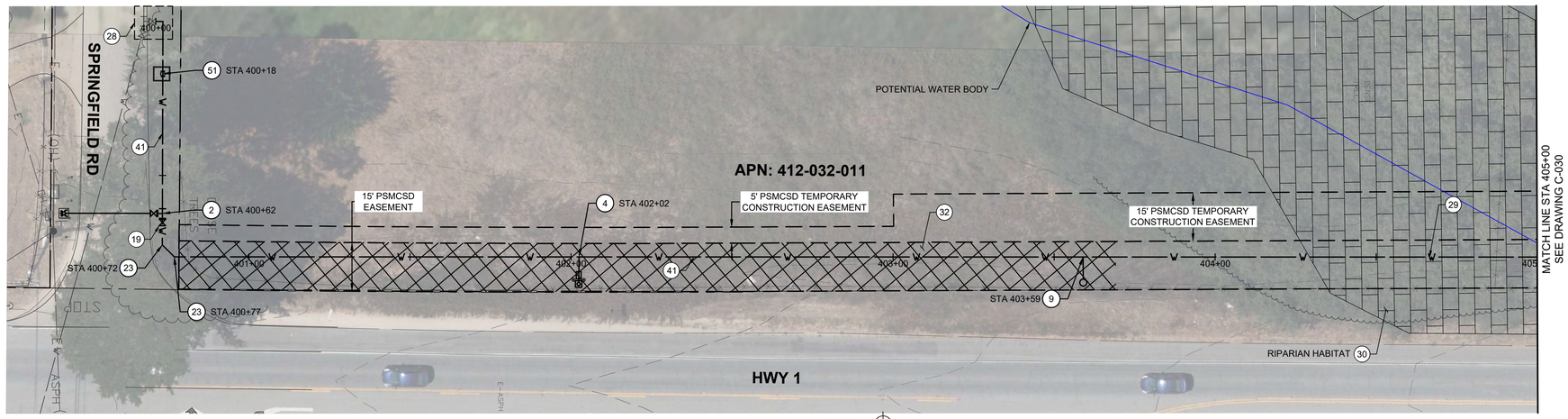
(29) INSTALL 6" FUSIBLE PVC OR HDPE USING TRENCHLESS CONSTRUCTION THROUGH ENVIRONMENTALLY SENSITIVE AREA.

(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.

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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

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PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

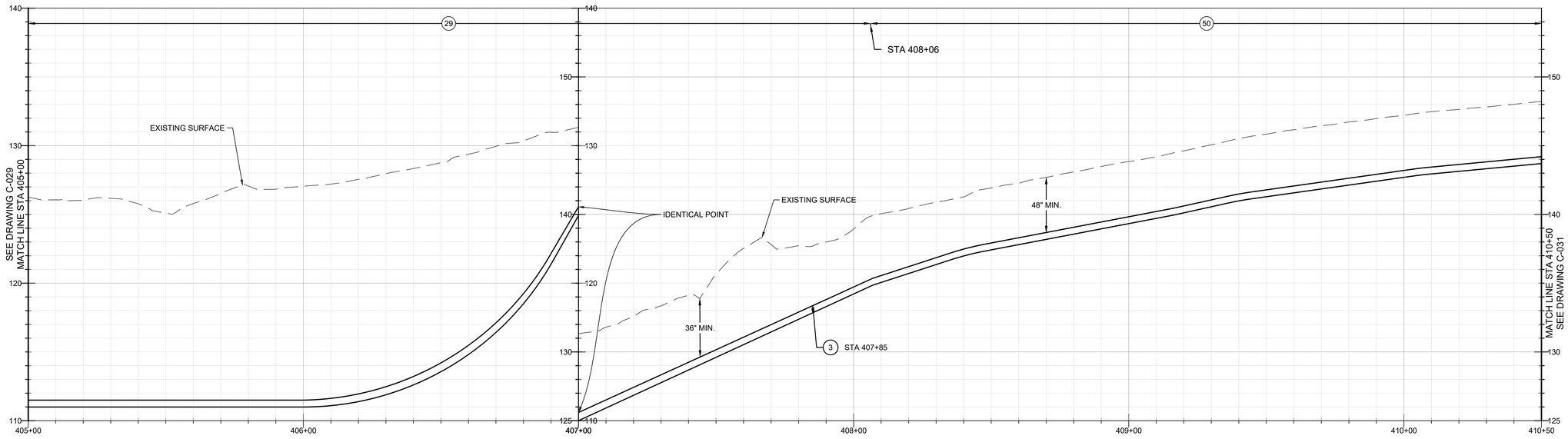
JENSEN-SPRINGFIELD INTERTIE PIPELINE PLAN AND PROFILE - STA 400+00 TO STA 405+00

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'

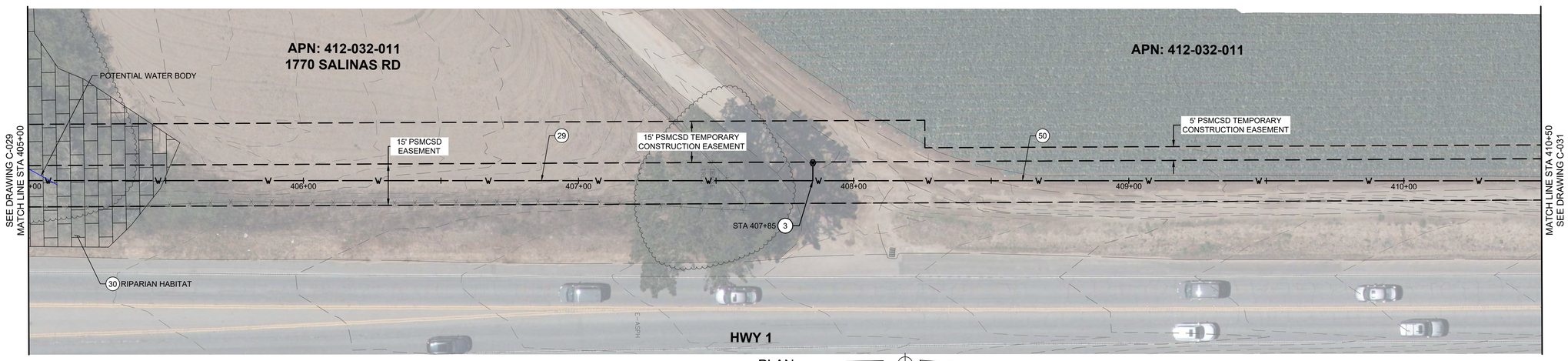
CONSTRUCTION KEY NOTES

(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.

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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

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PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

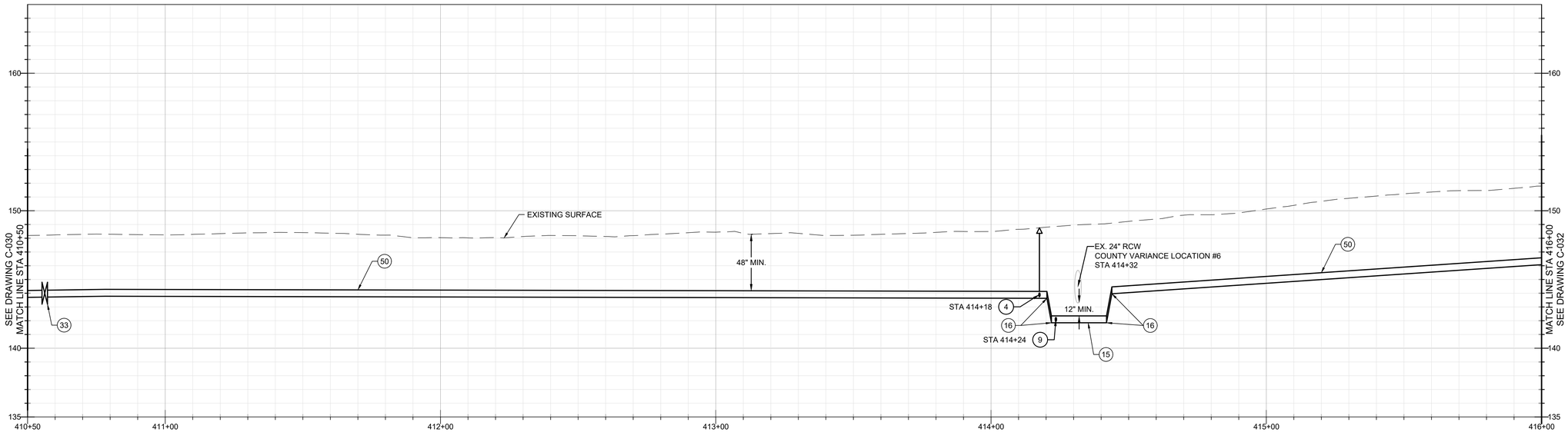
JENSEN-SPRINGFIELD INTERTIE PIPELINE PLAN AND PROFILE - STA 405+00 TO STA 410+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-030

SHEET NUMBER
35 OF 158

Thu, 12 Mar 26 - 10:34:24 PM By: Dilay Dogar
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.

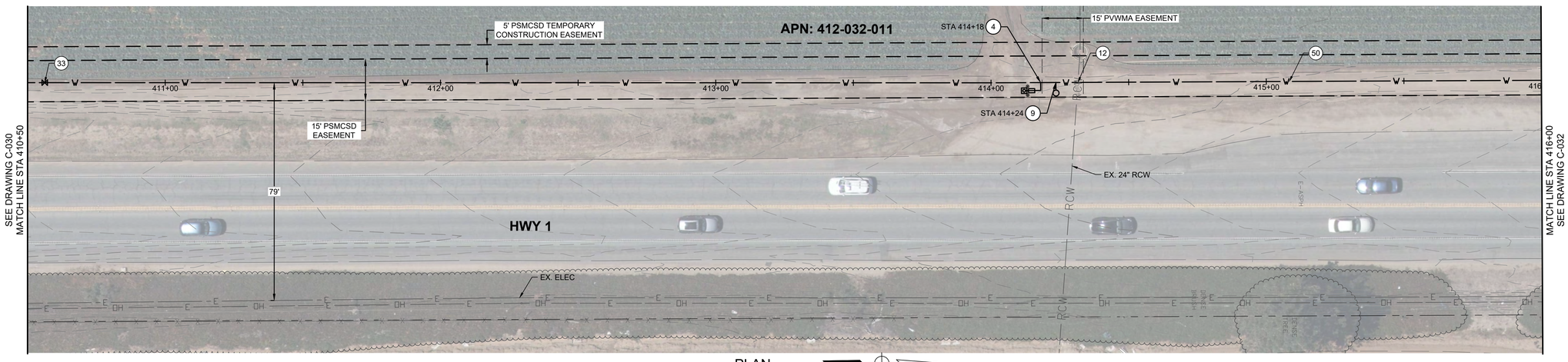
(12) PROTECT UTILITY IN PLACE

(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'

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CHECKED:	NEP
QA/QC:	TNH
CONSTRUCTABILITY:	

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

1/26/26
DATE

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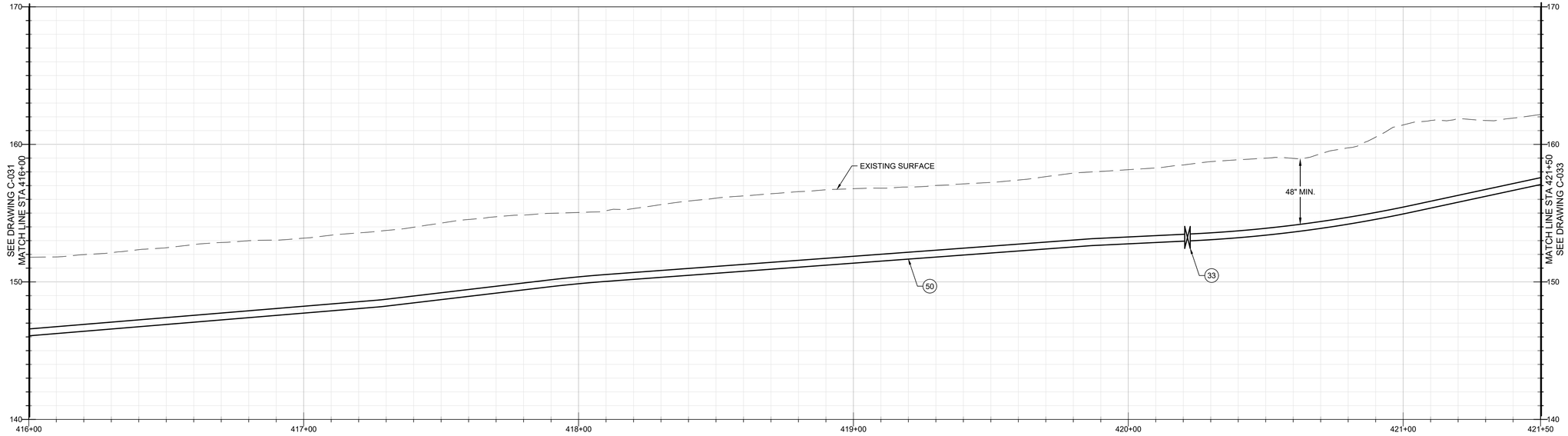
JENSEN-SPRINGFIELD INTERTIE PIPELINE PLAN AND PROFILE - STA 410+50 TO STA 416+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-031

SHEET NUMBER
36 OF 158

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Tue 27 Jan 26 03:26:15 PM by Hope Mahony



PROFILE

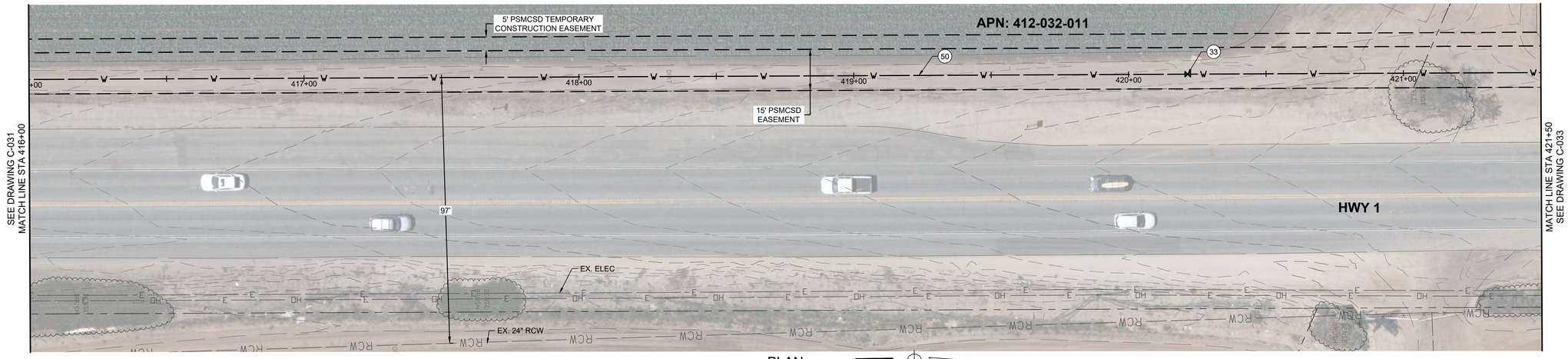
20' 0' 20'

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'

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PRINCIPAL ENGINEER
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PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

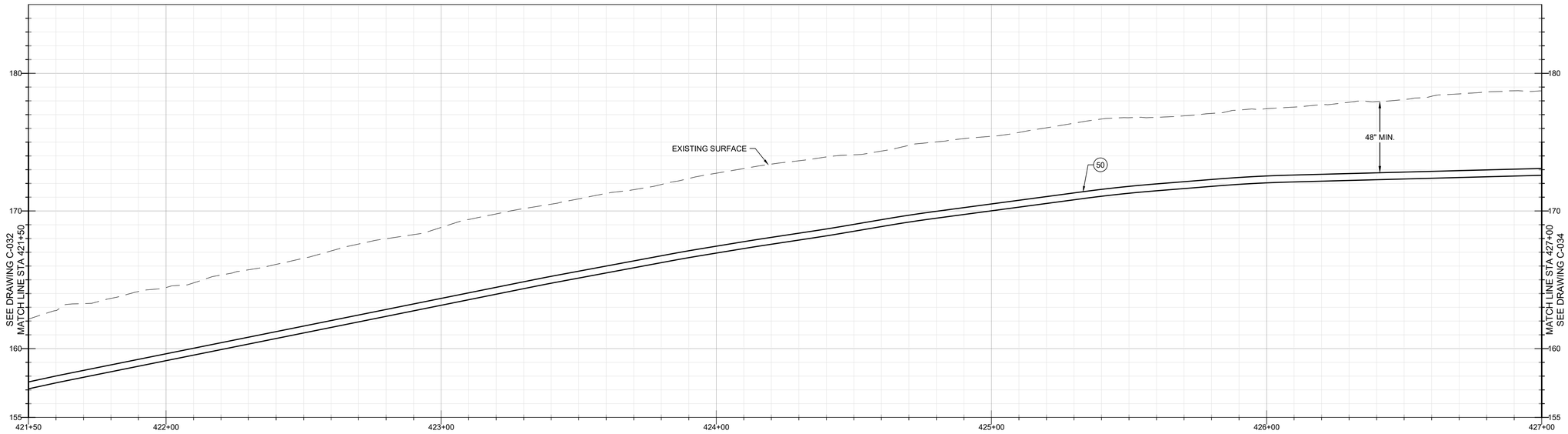
JENSEN-SPRINGFIELD INTERTIE PIPELINE PLAN AND PROFILE - STA 416+00 TO STA 421+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-032

SHEET NUMBER
37 OF 158

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Wed 21-Jan-26 04:29:09 PM by Hope Mallory



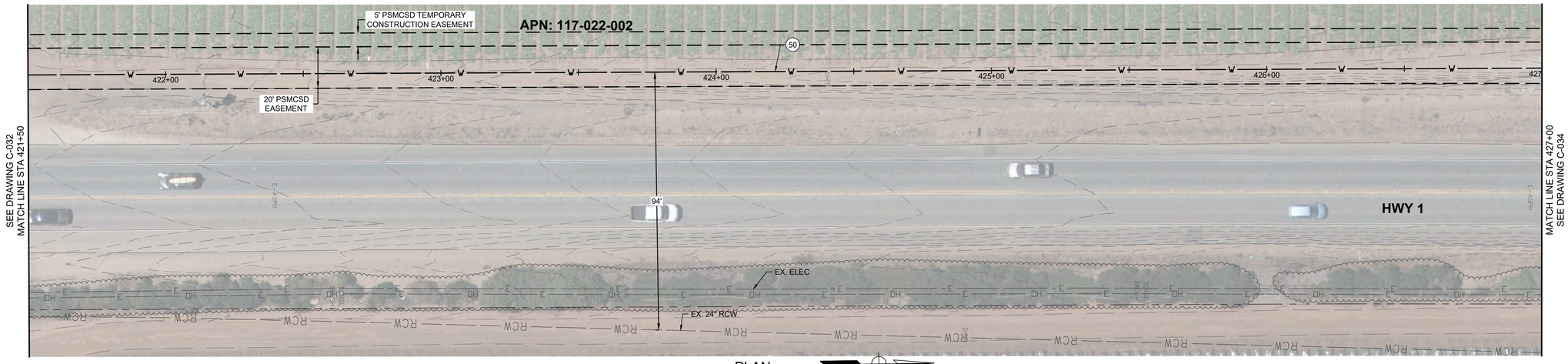
PROFILE

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'

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

1/26/26
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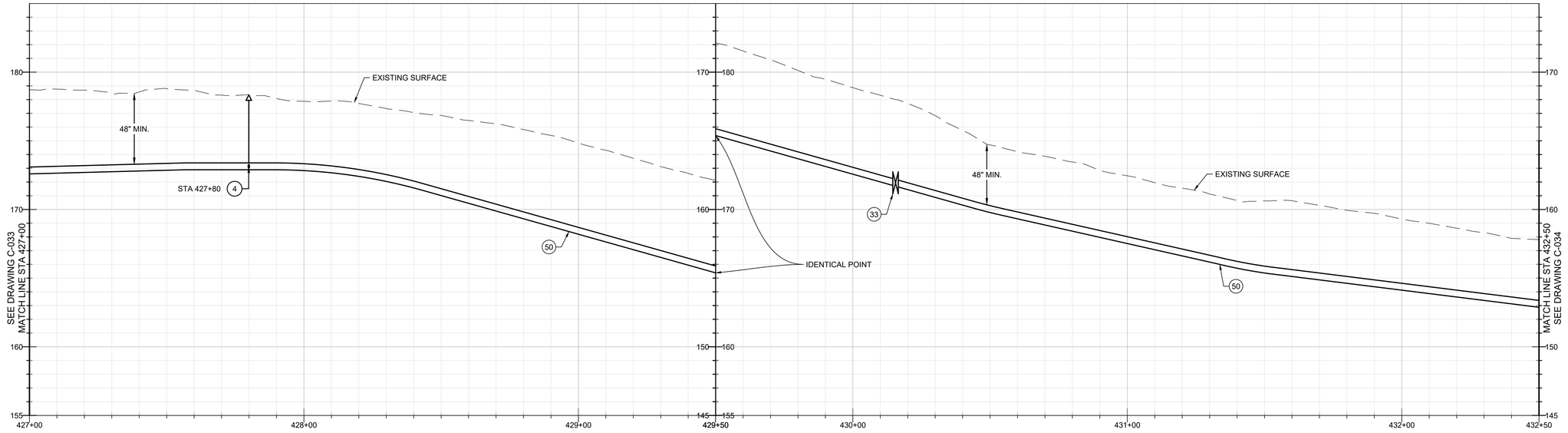
JENSEN-SPRINGFIELD INTERTIE PIPELINE PLAN AND PROFILE - STA 421+50 TO STA 427+00

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
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PROFILE

20' 0' 20'

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

CONSTRUCTION KEY NOTES

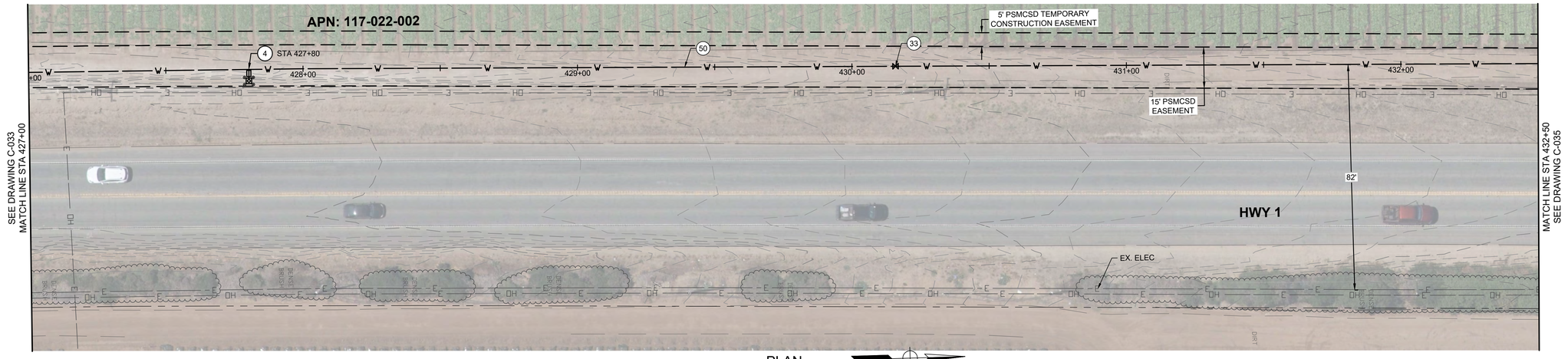
(4) INSTALL AIR/VACUUM RELEASE VALVE ASSEMBLY PER STANDARD PLAN NO. 3-11. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(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'

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CONSTRUCTABILITY:	

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

1/26/26
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PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
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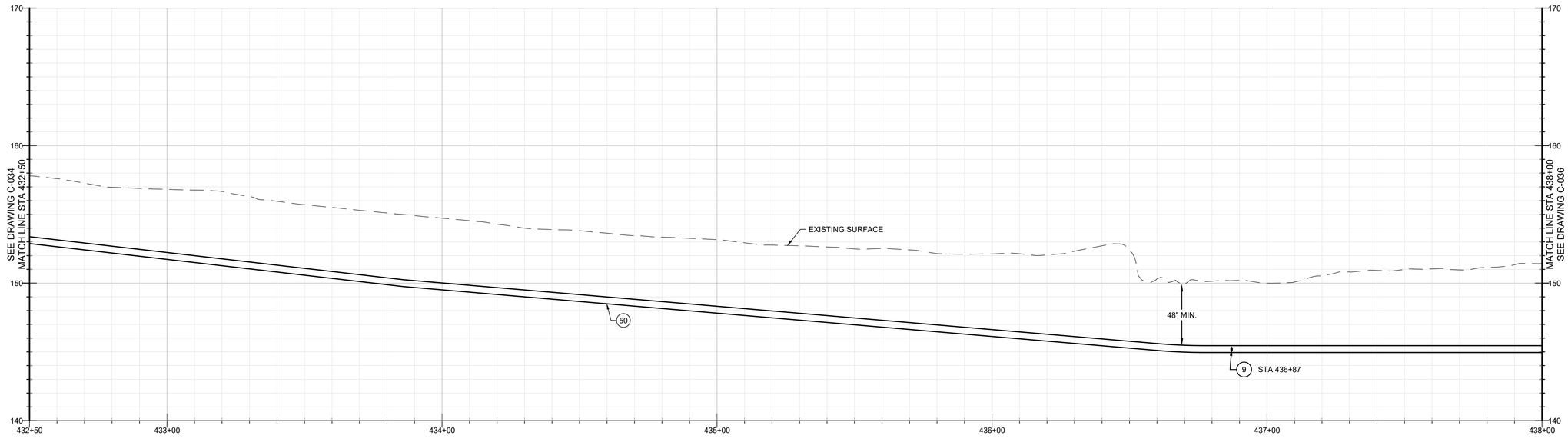
JENSEN-SPRINGFIELD INTERTIE PIPELINE PLAN AND PROFILE - STA 427+00 TO STA 432+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-034

SHEET NUMBER
39 OF 158

Plot 27 Jan 26 - 24:24:09 PM By: Hope Mallroy
C:\BuroProjects\com - Community Water Consortium\200476.05 Phase Proj\2 Eng_CAD\2 Base\Intertie Profile Plan And Profile - 11.dwg



PROFILE

20' 0' 20'

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

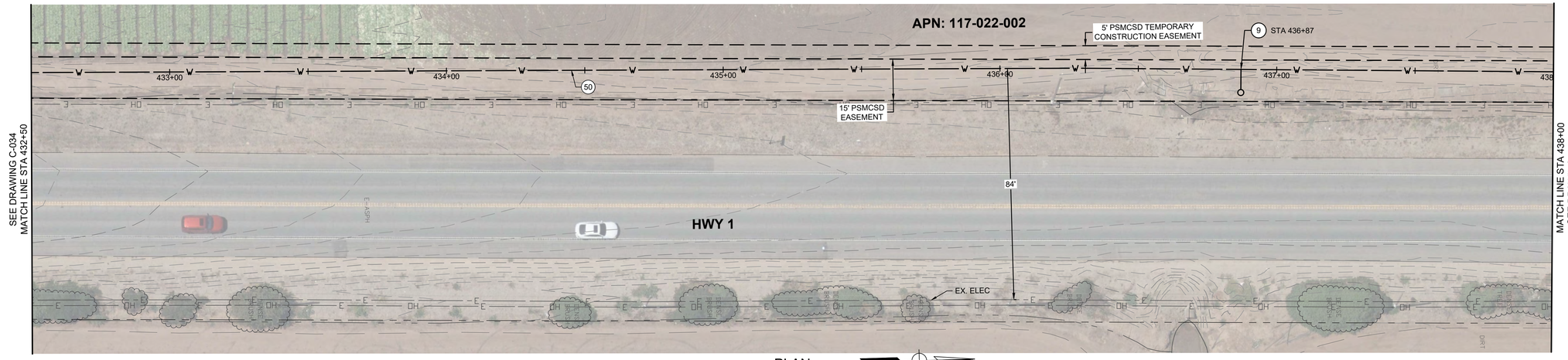
CONSTRUCTION KEY NOTES

(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'

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

1/26/26
DATE

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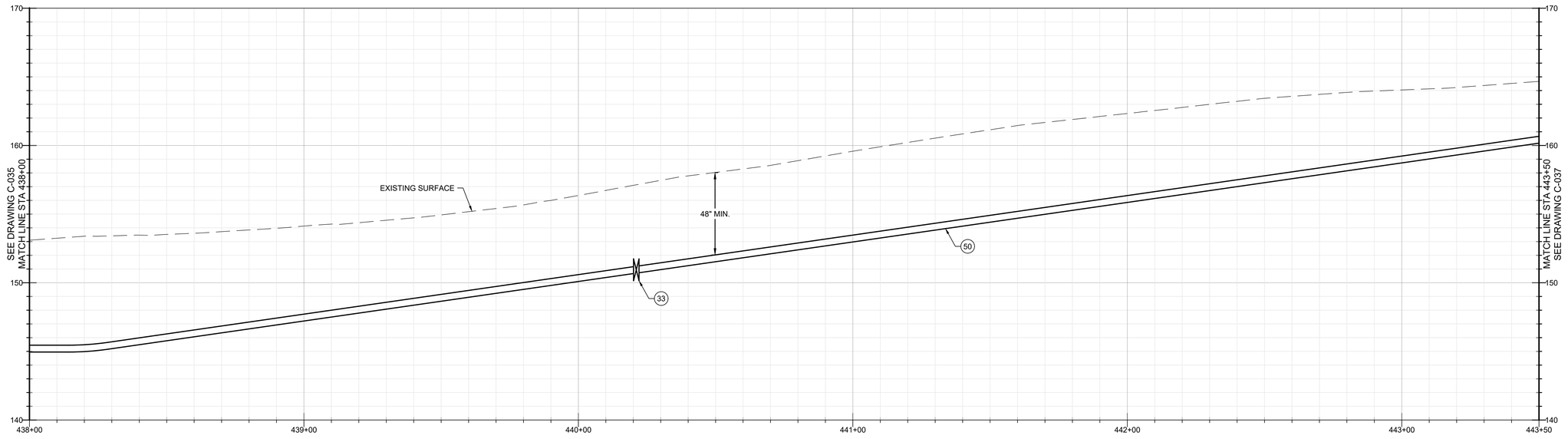
JENSEN-SPRINGFIELD INTERTIE PIPELINE PLAN AND PROFILE - STA 432+50 TO STA 438+00

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\Pajaro - Community Water Consolidation\200476.05 Trans Proj\Eng_CAD\2 Sheets\Water Pipeline Plan And Profile - 11.dwg



PROFILE

20' 0' 20'

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

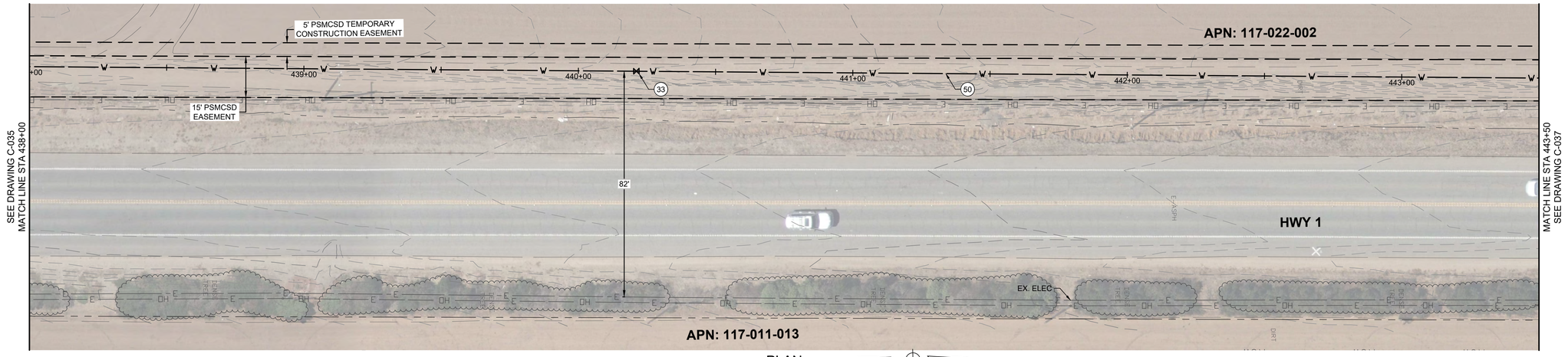
CONSTRUCTION KEY NOTES

(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'

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

1/26/26
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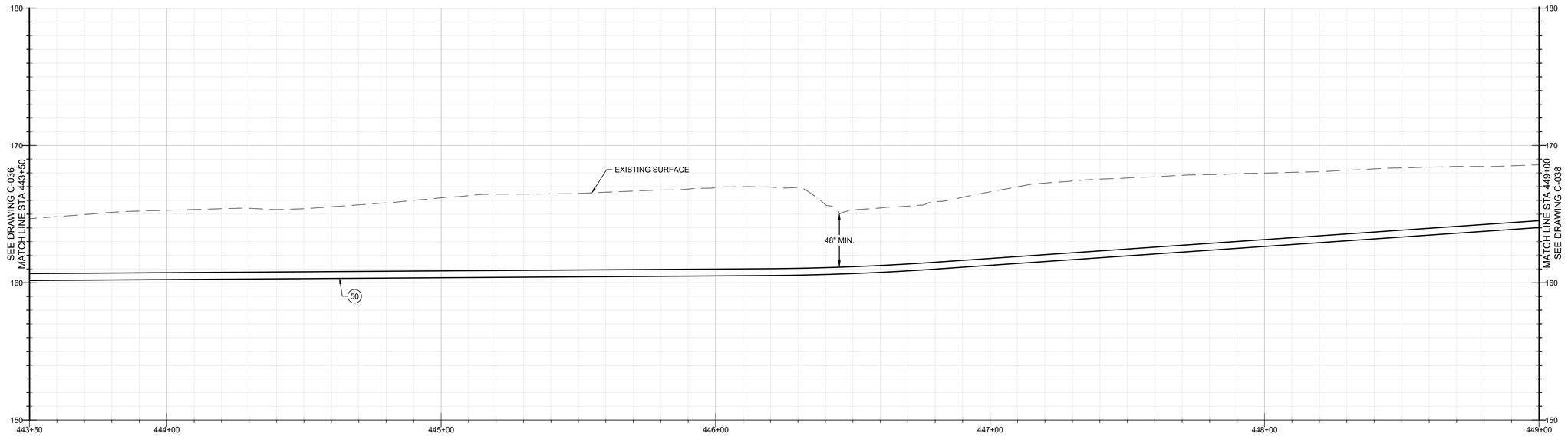
JENSEN-SPRINGFIELD INTERTIE PIPELINE PLAN AND PROFILE - STA 438+00 TO STA 443+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-036

SHEET NUMBER
41 OF 158

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Wed 21 Jan 26 04:29:02 PM by Hope Mallory



PROFILE

20' 0' 20'

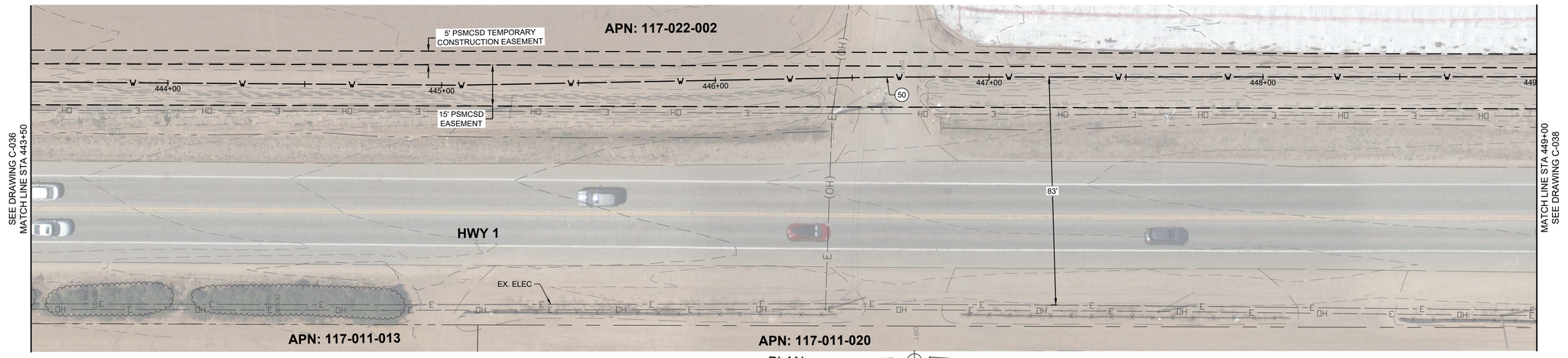
HORIZ: 1" = 20'
VERT: 1" = 4'

CONSTRUCTION KEY NOTES

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

GENERAL NOTE

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PLAN

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SCALE: 1" = 20'

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

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DATE

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PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

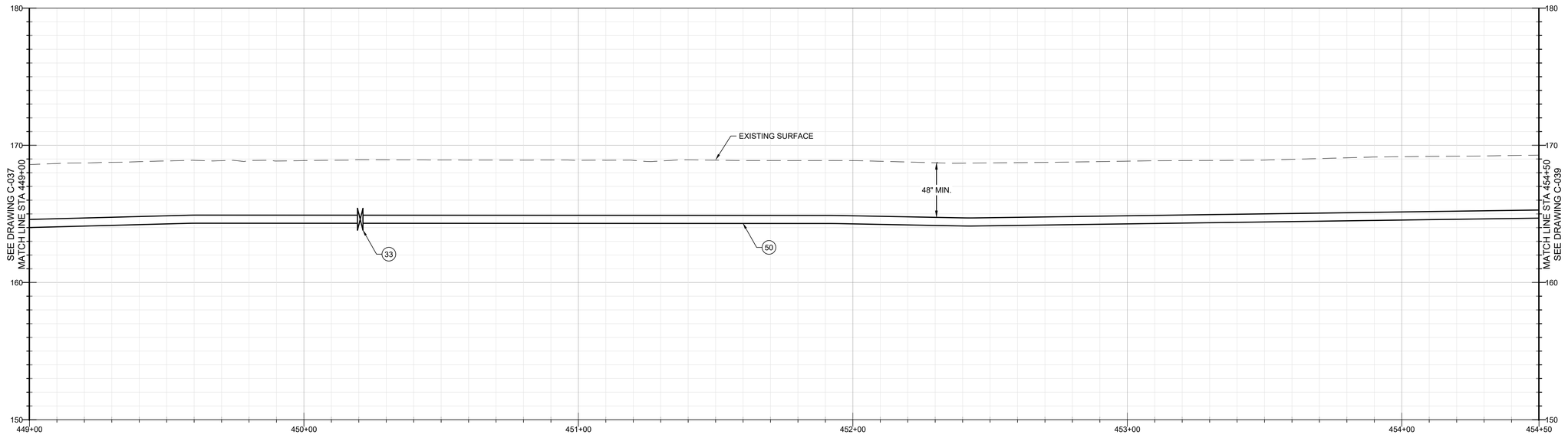
JENSEN-SPRINGFIELD INTERTIE DUAL PIPELINE
PLAN AND PROFILE - STA 443+50 TO STA 449+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-037

SHEET NUMBER
42 OF 158

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Wed 27 Jan 26 04:29:02 PM by Hope Mallory



PROFILE

20' 0' 20'

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

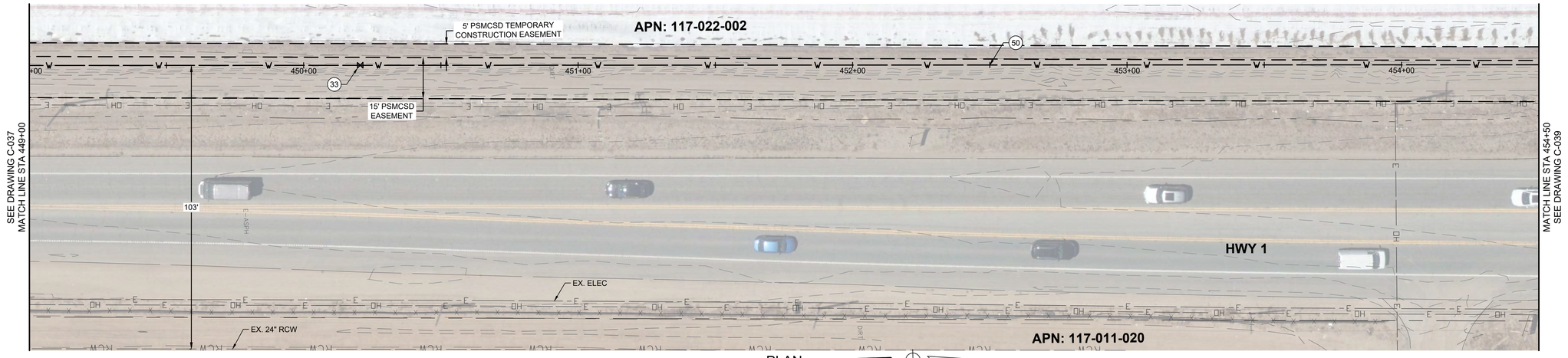
CONSTRUCTION KEY NOTES

(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.

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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

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

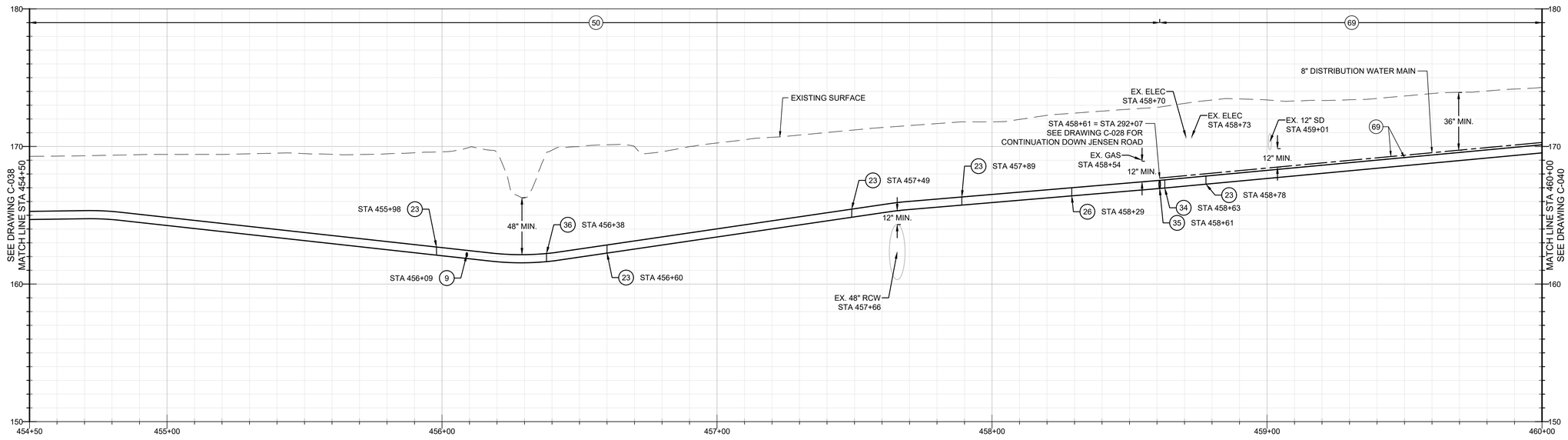
JENSEN-SPRINGFIELD INTERTIE DUAL PIPELINE
PLAN AND PROFILE - STA 449+00 TO STA 454+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-038

SHEET NUMBER
43 OF 158

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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.

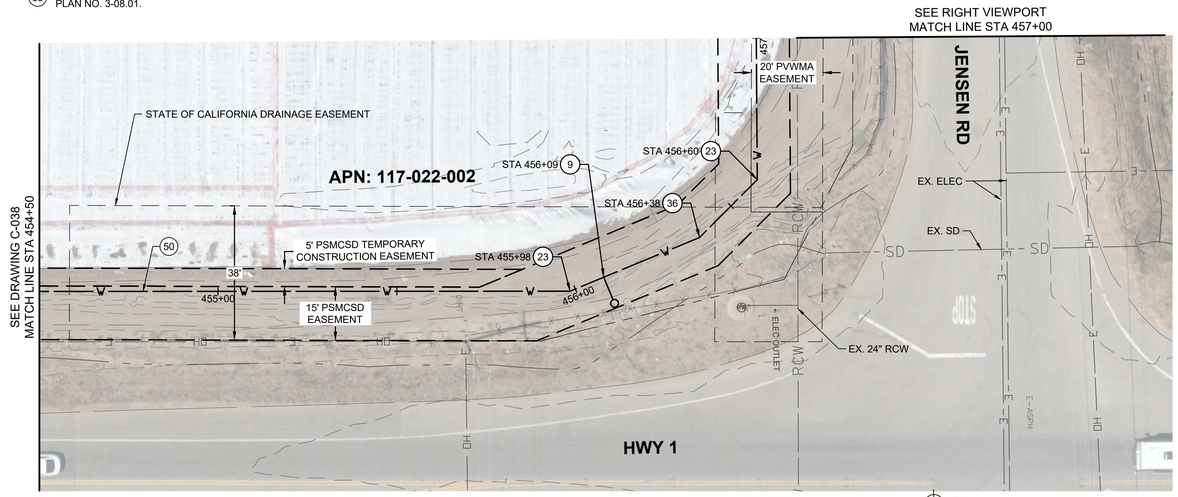
(50) INSTALL 6" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE B, DRAWING C-107.

(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

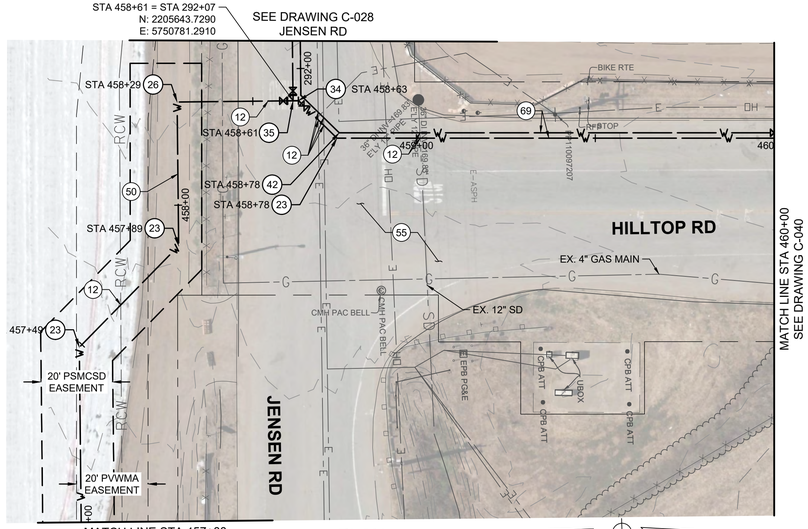
1. EXISTING PG&E EASEMENT PARTIALLY OVERLAPS PSMCSD EASEMENT. LIMITS OF THIS EASEMENT ARE DEFINED BASED ON THE LOCATION OF THE EXISTING FACILITIES. EASEMENT BOUNDARIES ARE NOT SHOWN.



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

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

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

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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

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

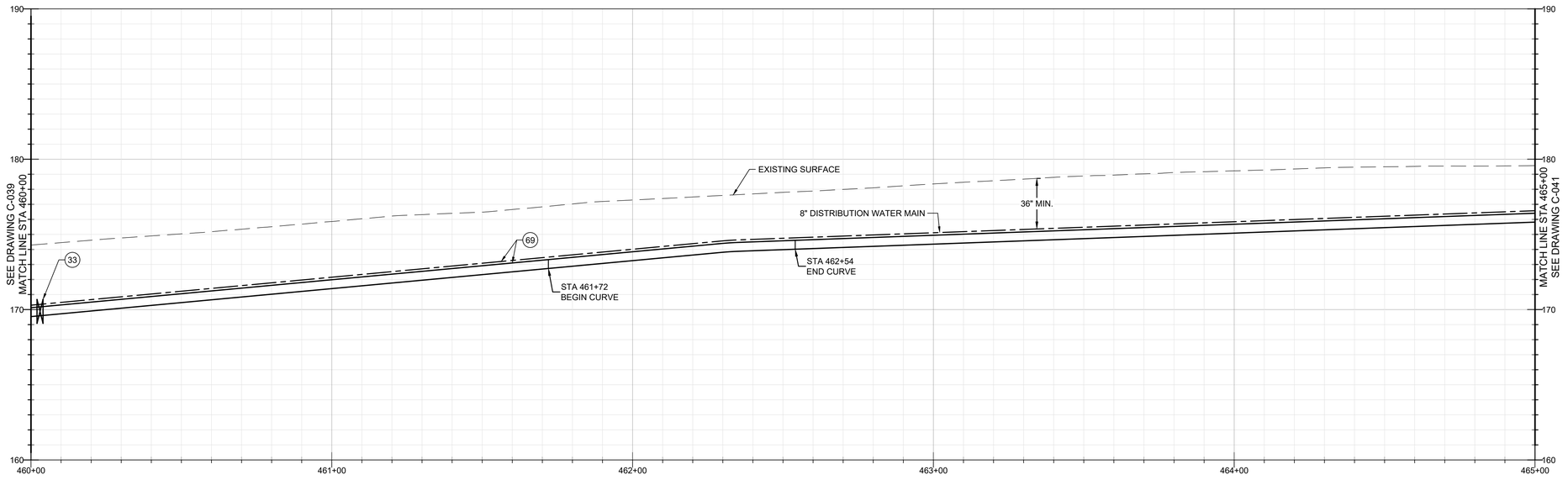
JENSEN-SPRINGFIELD INTERTIE DUAL PIPELINE PLAN AND PROFILE - STA 454+50 TO STA 460+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-039

SHEET NUMBER
44 OF 158

C:\Box\Projects\Active - Community Water Conversion\2024\18 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.

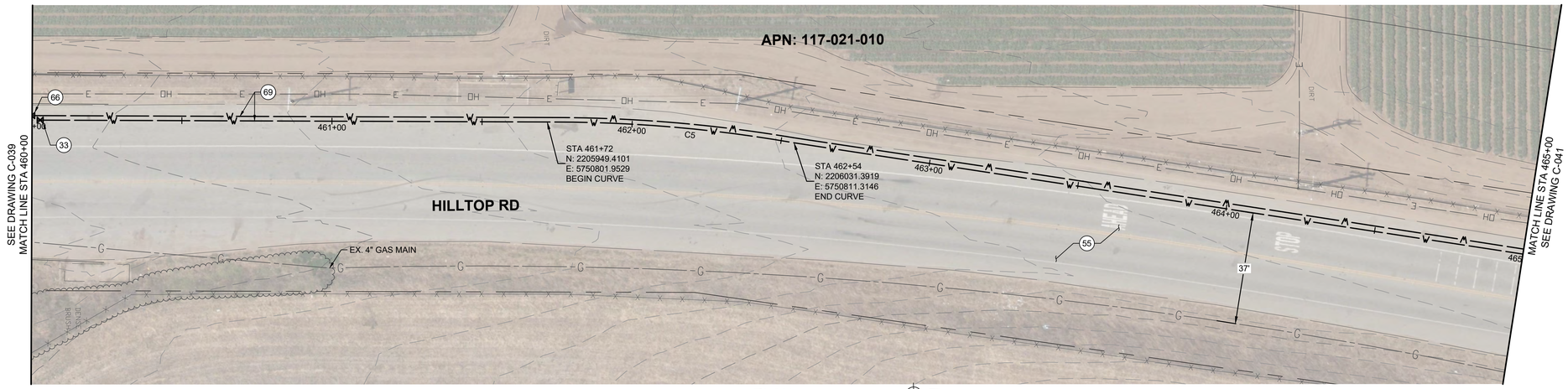
(55) REINSTATE STREET STRIPING DISTURBED BY CONSTRUCTION IN KIND, TO MATCH EXISTING CONDITION.

(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'

Know what's below. Call before you dig.

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

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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

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

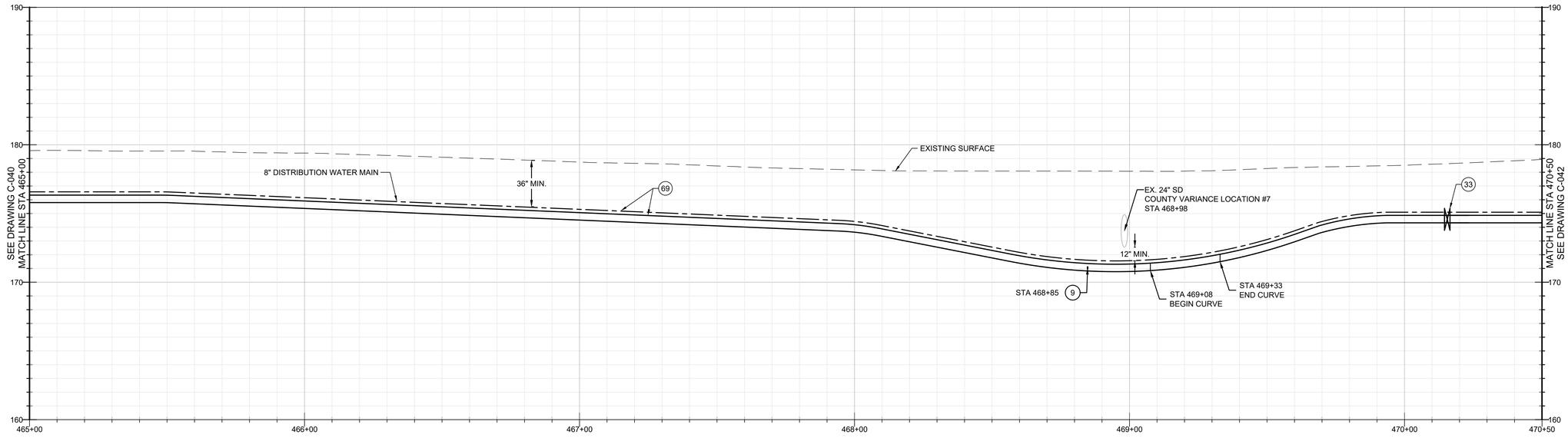
HILLTOP DUAL PIPELINE PLAN AND PROFILE - STA 460+00 TO STA 465+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-040

SHEET NUMBER
45 OF **158**

Wed 21 Jan 26 12:29:32 PM by Hope Mahony
C:\Bluo\Projects\Pajaro - Community Water Consensus\2024\26 Plans Proj\03 Engr_CAD\2 Sheets\Hope Pipeline Plan And Profile - 11.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.

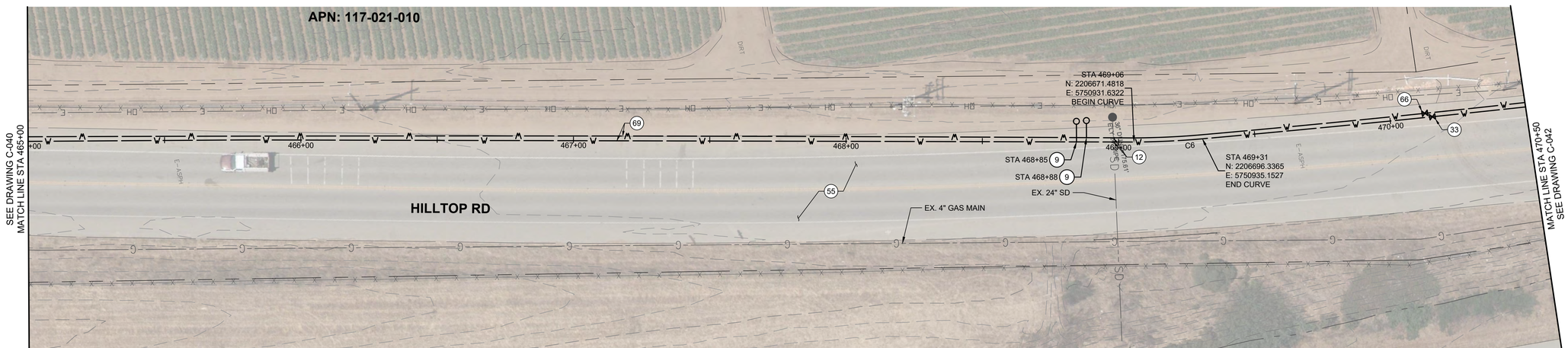
(33) INSTALL 6" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

(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'

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

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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

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PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

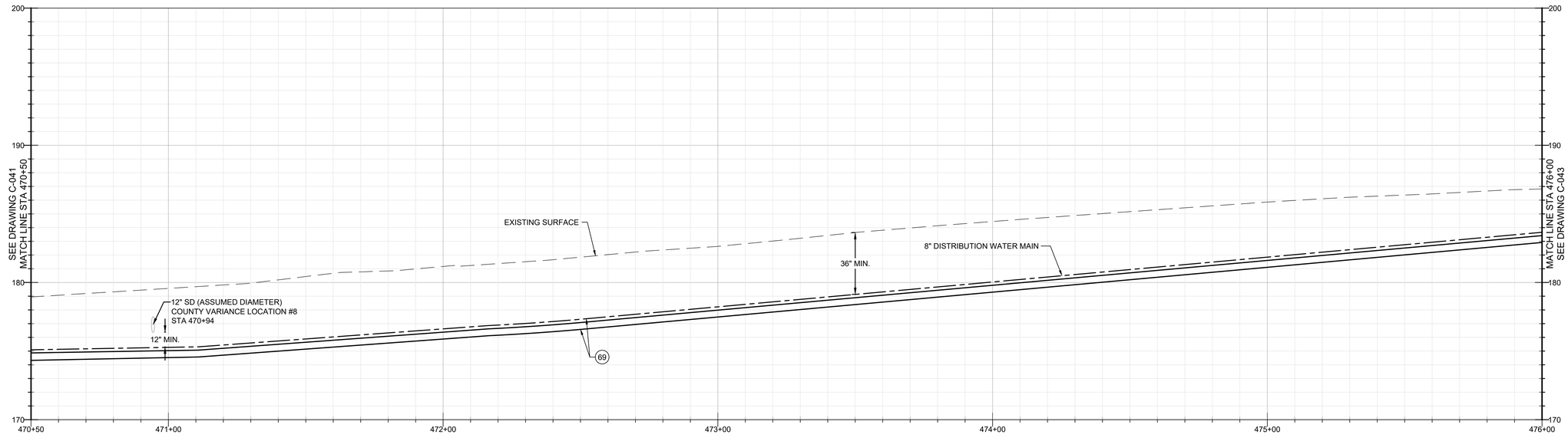
HILLTOP ROAD DUAL PIPELINE PLAN AND PROFILE - STA 465+00 TO STA 470+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-041

SHEET NUMBER
46 OF 158

Thu 22 Jan 26 - 11:49:54 AM By: Nicky Mallamy
C:\Bluo\Projects\mns - Community Water Consortium\2024\26 Plans Proj\Eng_CAD\ Streamliner Pipeline Plan And Profile - 1.Dwg



PROFILE

20' 0' 20'

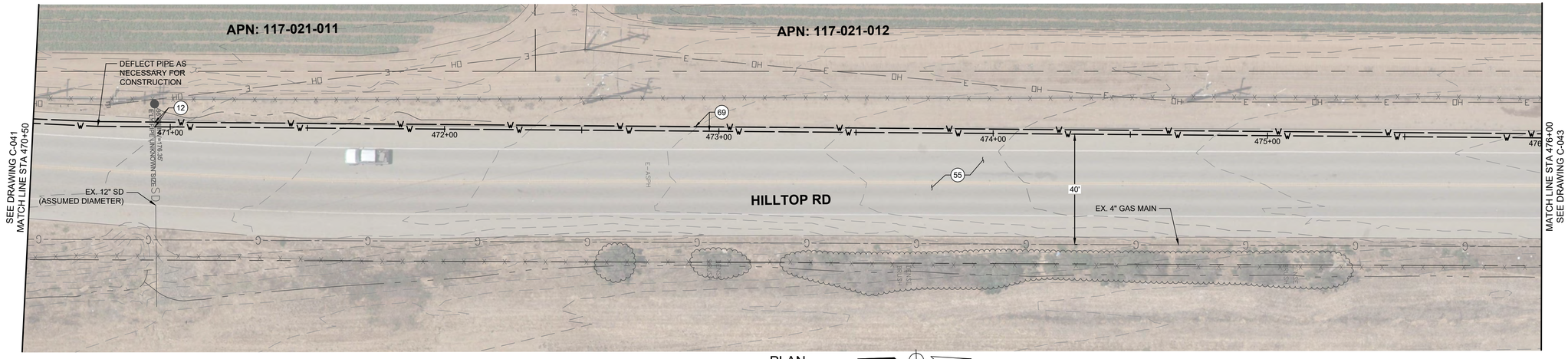
HORIZ: 1" = 20'
VERT: 1" = 4'

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'

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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

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

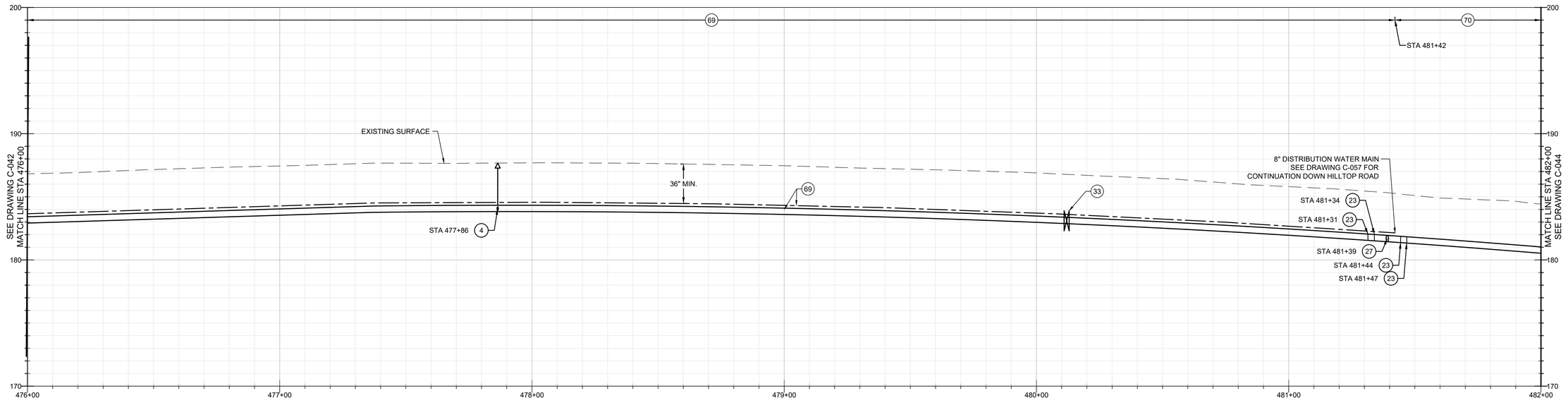
HILLTOP ROAD DUAL PIPELINE PLAN AND PROFILE - STA 470+50 TO STA 476+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-042

SHEET NUMBER
47 OF 158

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Thu, 22 Jan 26 - 11:24:54 AM by Hope Mahony



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.

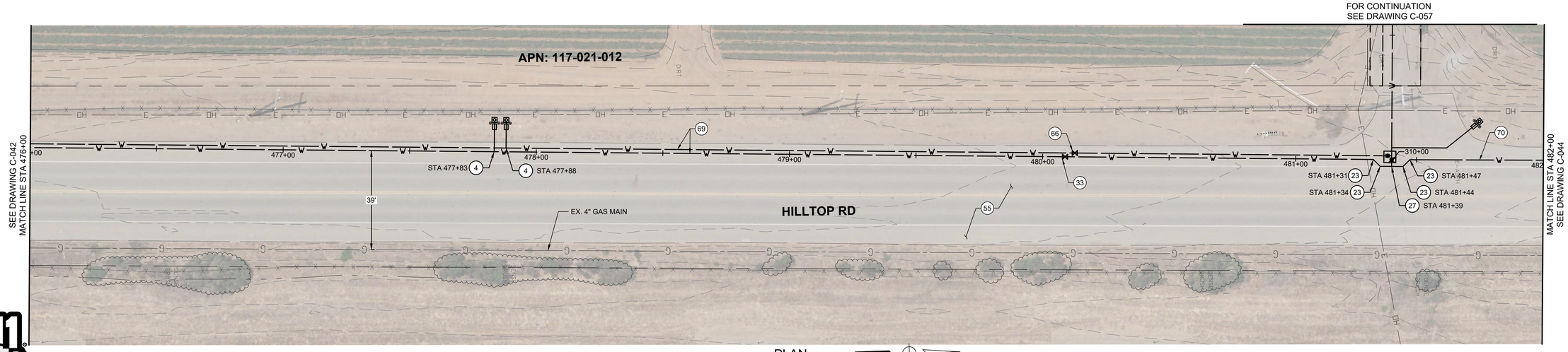
(33) INSTALL 6" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

(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'

Know what's below. Call before you dig.

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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

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

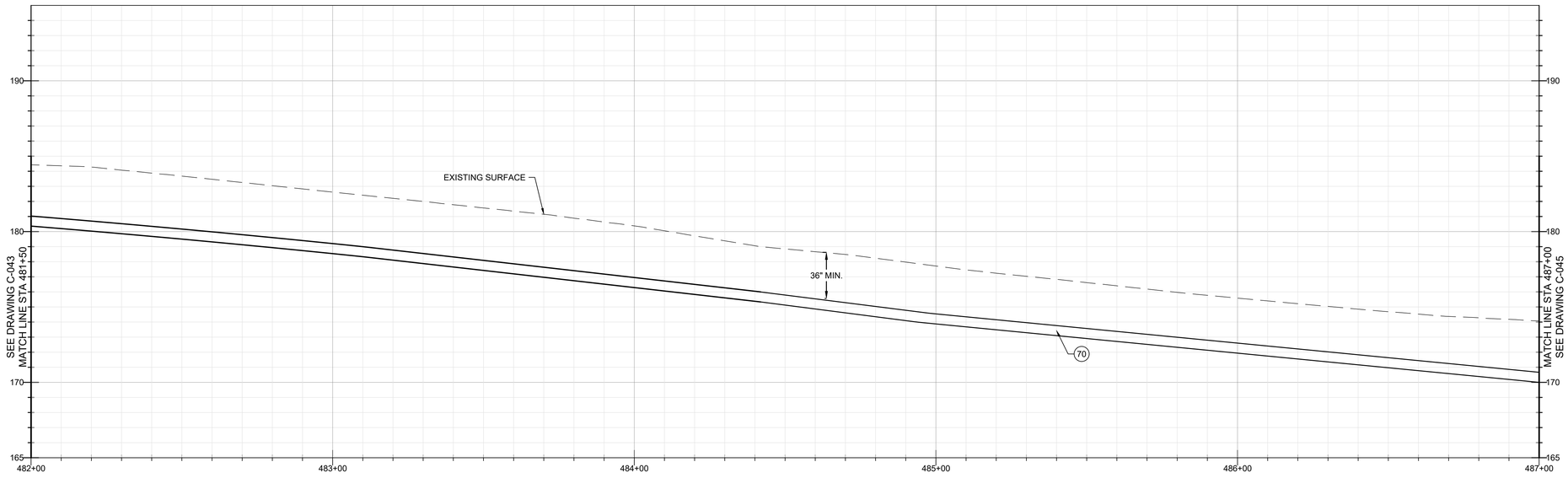
HILLTOP ROAD DUAL PIPELINE PLAN AND PROFILE - STA 476+00 TO STA 482+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-043

SHEET NUMBER
48 OF 158

Thu, 22 Jan 26 11:24:54 AM by Hope Mahony
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PROFILE

20' 0' 20'

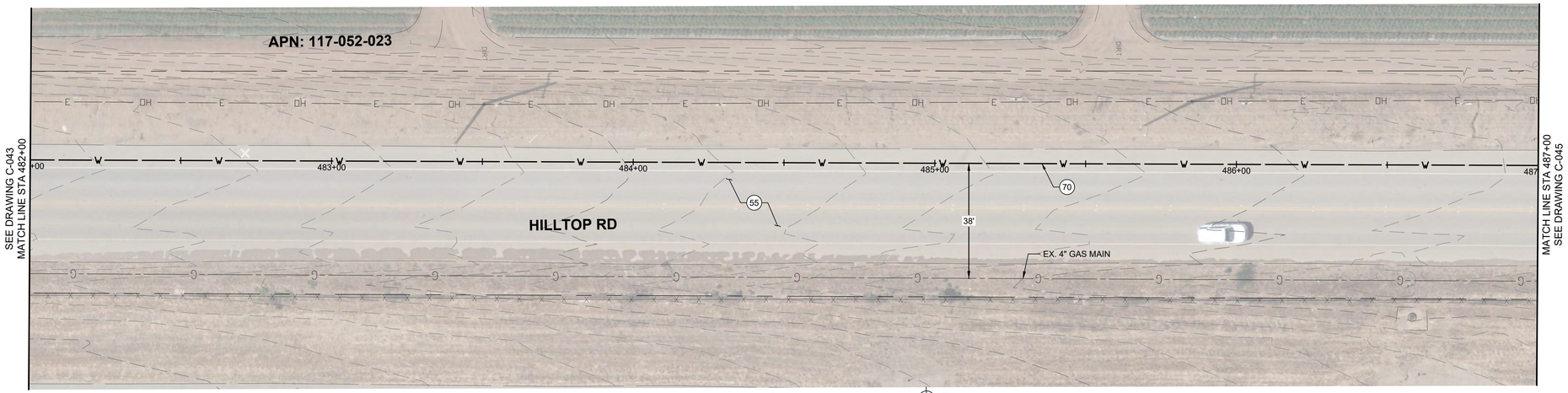
HORIZ: 1" = 20'
VERT: 1" = 4'

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****

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MNS
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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

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

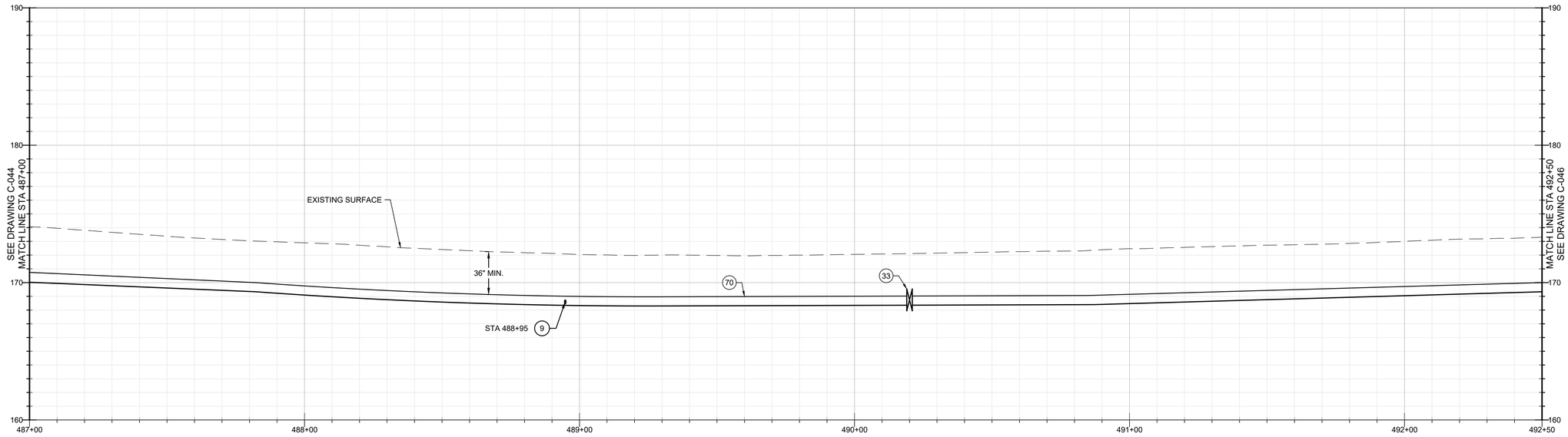
HILLTOP ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 482+00 TO STA 487+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-044

SHEET NUMBER
49 OF **158**

Thu, 22 Jan 26 11:24:34 AM by Joyce Mallroy C:\Box\Projects\Active - Community Water Districts\2004\5.02 Work Proj\2 Eng_CAD\2 Drawings\Pipeline Plan And Profile - 30.dwg



PROFILE

20' 0' 20'

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

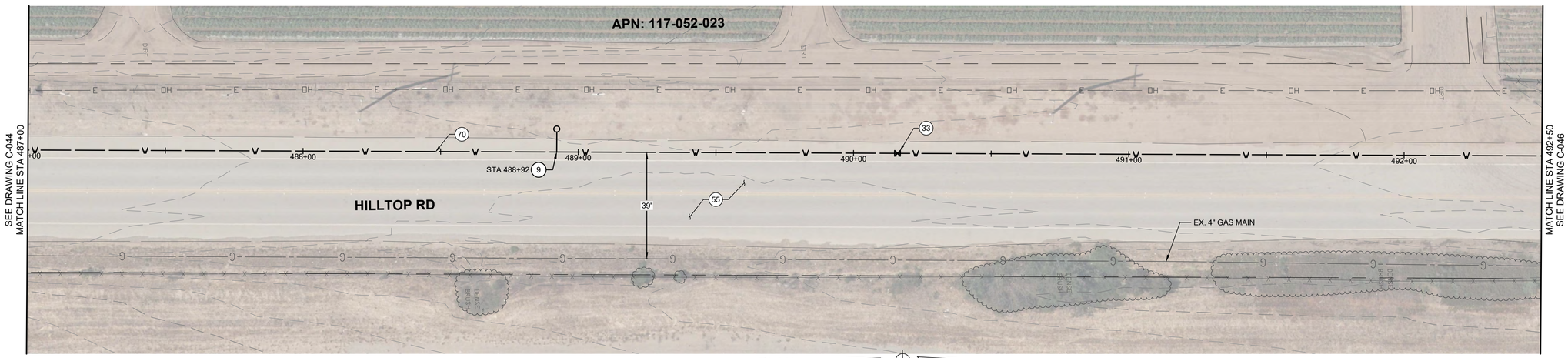
CONSTRUCTION KEY NOTES

(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.

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(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'

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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

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

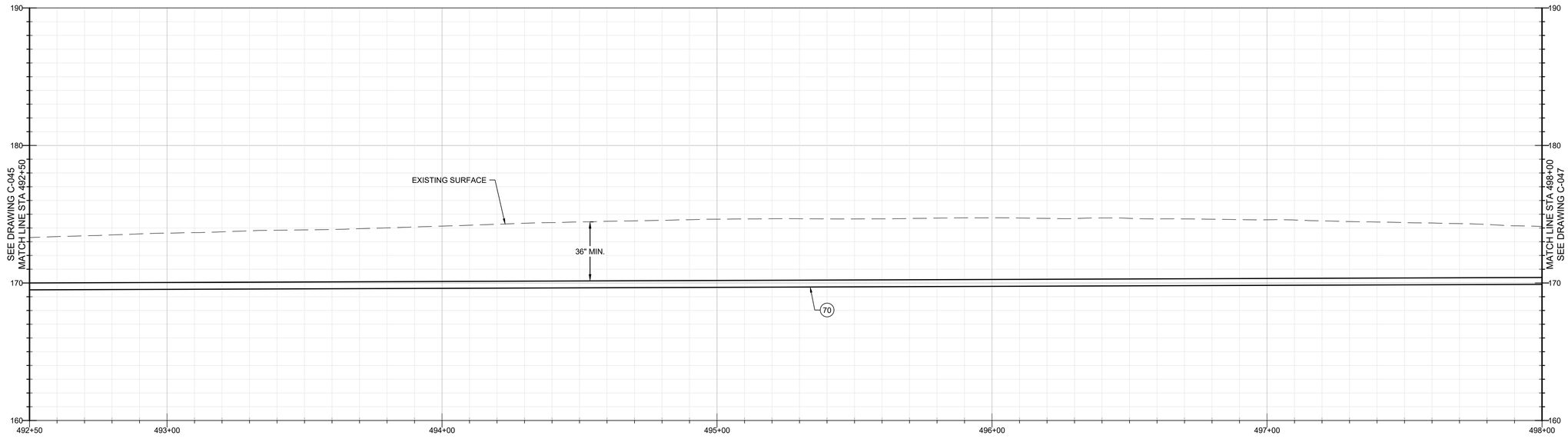
HILLTOP ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 487+00 TO STA 492+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-045

SHEET NUMBER
50 OF **158**

Thu, 22 Jan 26 11:24:54 AM by Hope Mallroy
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PROFILE

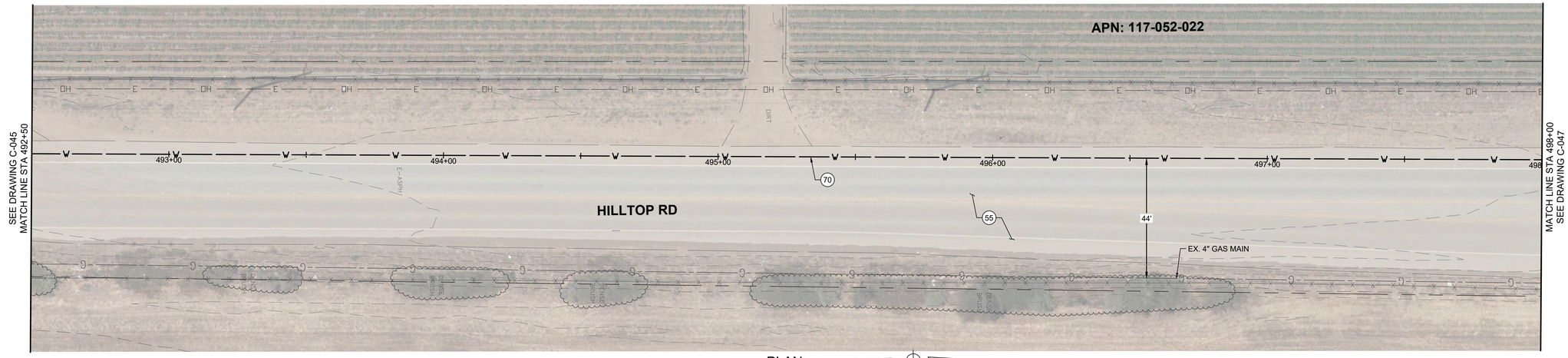
20' 0' 20'

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.

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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

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

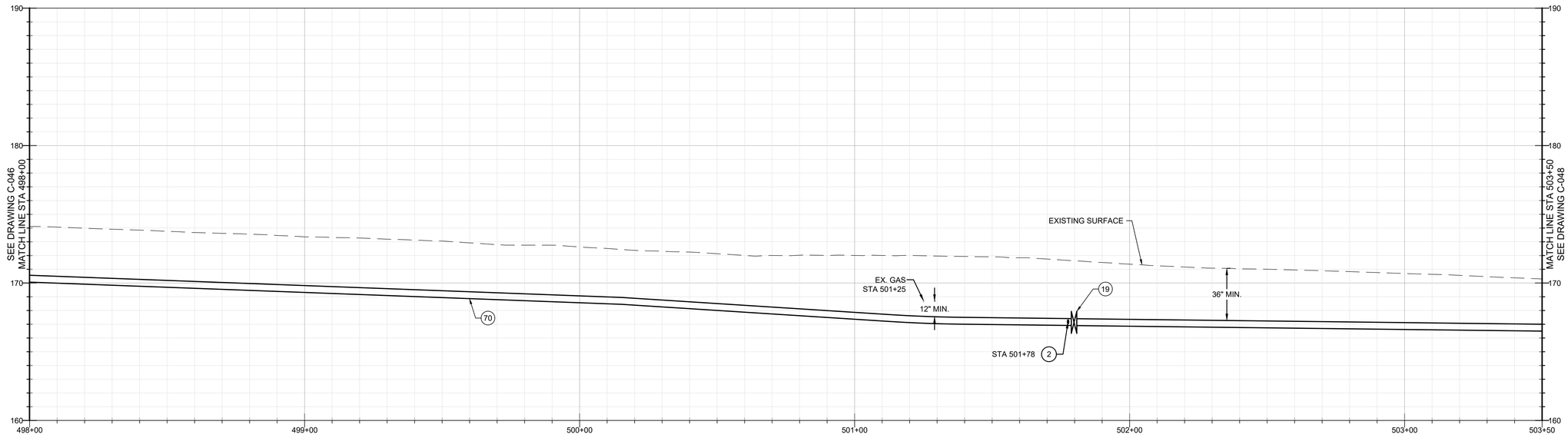
HILLTOP ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 492+50 TO STA 498+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-046

SHEET NUMBER
51 OF 158

C:\Box\Projects\Pajaro Community Water Consolidation\200476.05 Trans Proj\Eng_CAD\1 Sheets\Water Pipeline Plan And Profile - 11.dwg
Tue 27 Jan 26 03:27:23 PM by Hope Mallamy



PROFILE

20' 0' 20'

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

CONSTRUCTION KEY NOTES

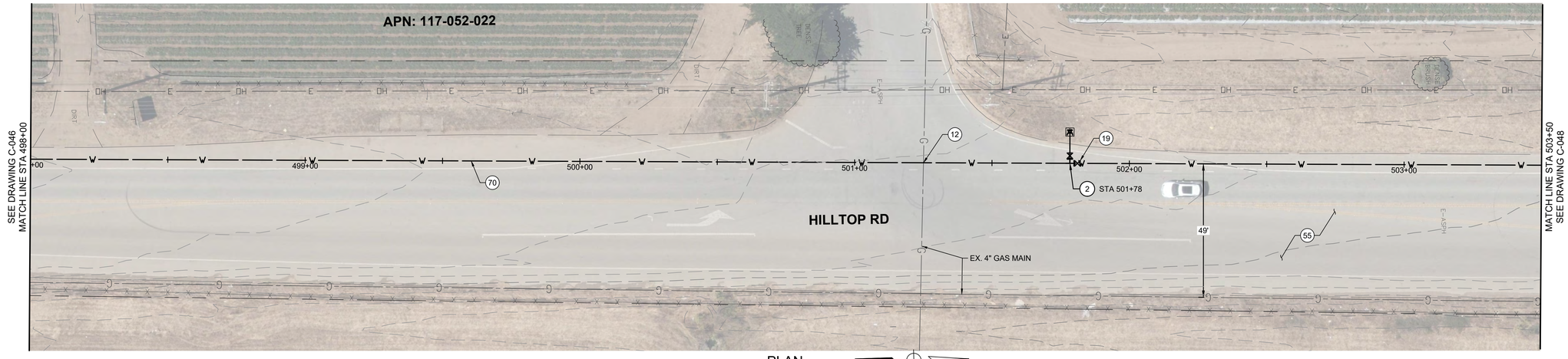
(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(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

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811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
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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

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

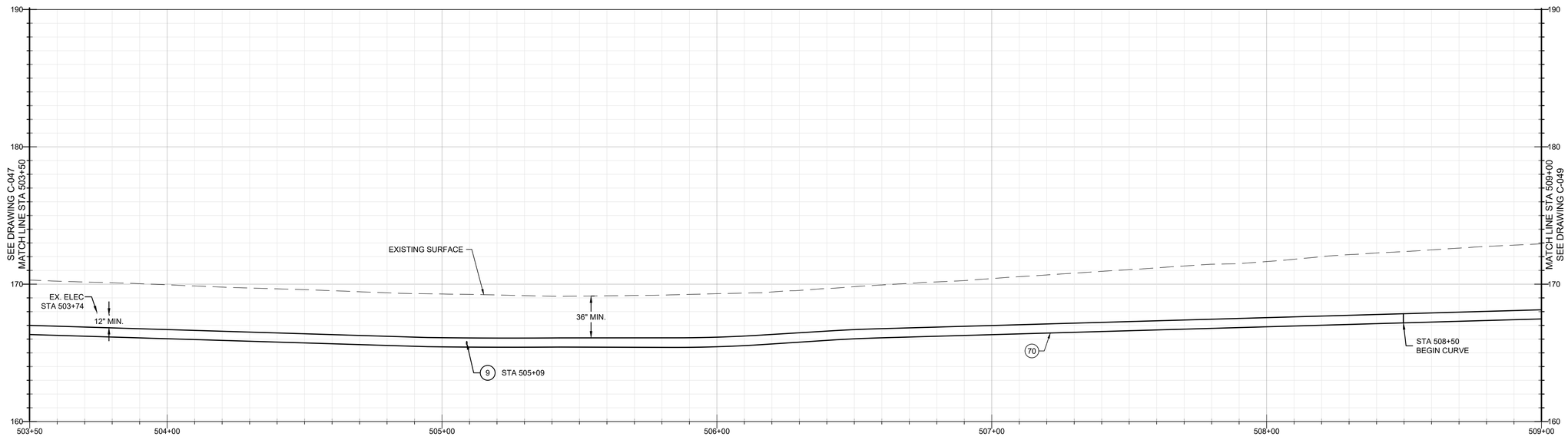
HILLTOP ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 498+00 TO STA 503+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-047

SHEET NUMBER
52 OF 158

Tue 27 Jan 26 10:57:29 PM by Hope Mallroy C:\Box\Projects\pm - Community Water Consortium\200476.05 Phase Proj\2 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

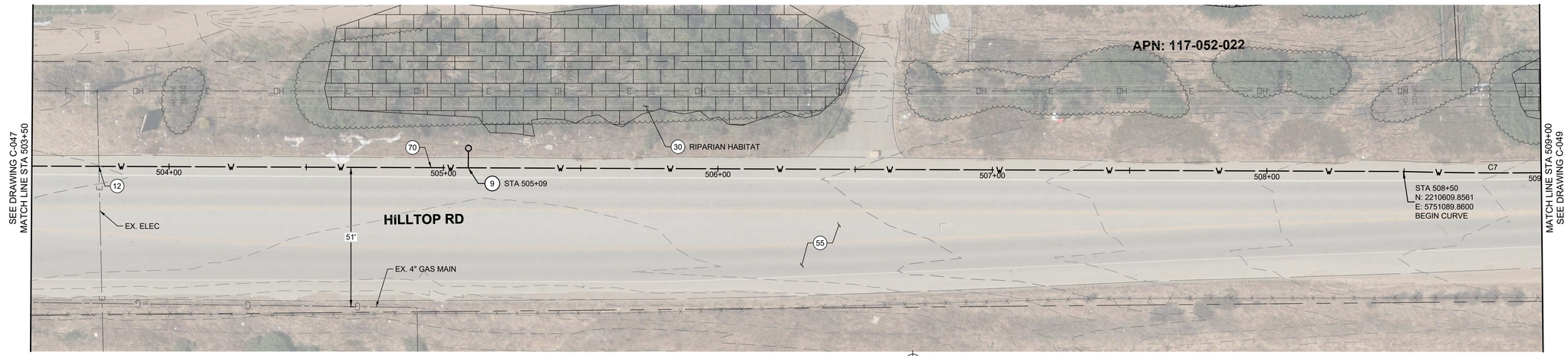
(30) ESA-RIPARIAN HABITAT, COMPLY WITH ENVIRONMENTAL PROTECTION REQUIREMENTS.

(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.

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REV	DATE	BY	DESCRIPTION

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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

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PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

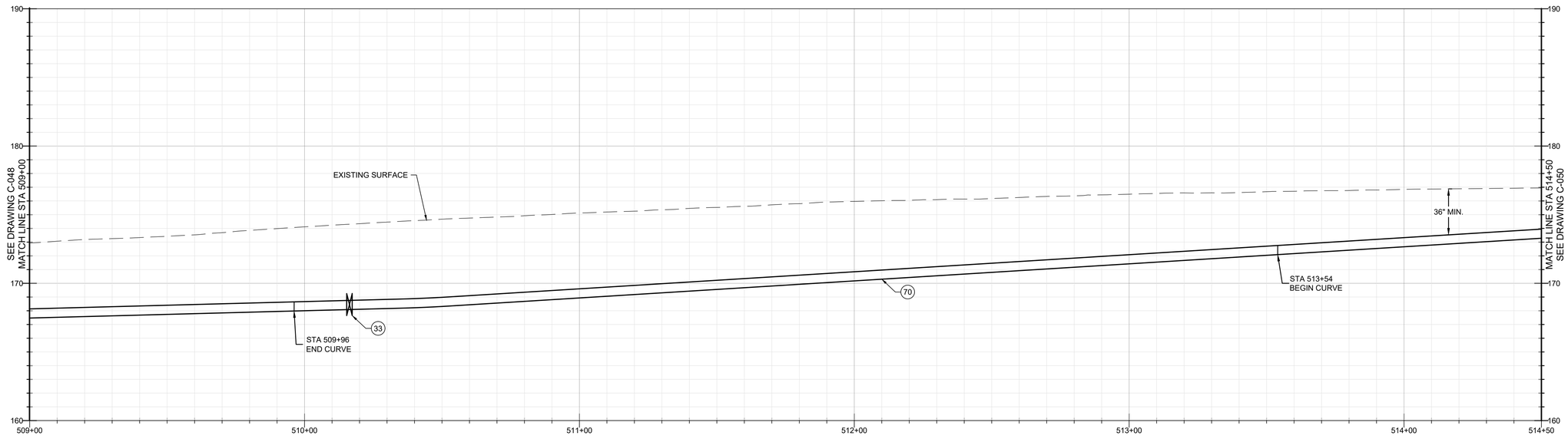
HILLTOP ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 503+50 TO STA 509+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-048

SHEET NUMBER
53 OF 158

C:\Bur\Projects\CWTRC - Community Water Center\CWTRC.200476.05\1600 Proj\Engr_CAD\2 Streets\Hwy Pajaro Rd Prof&c - 1.dwg
Tue, 10 Jun 26 - 02:19:29 PM by Mike Diego



PROFILE

20' 0' 20'

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

CONSTRUCTION KEY NOTES

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

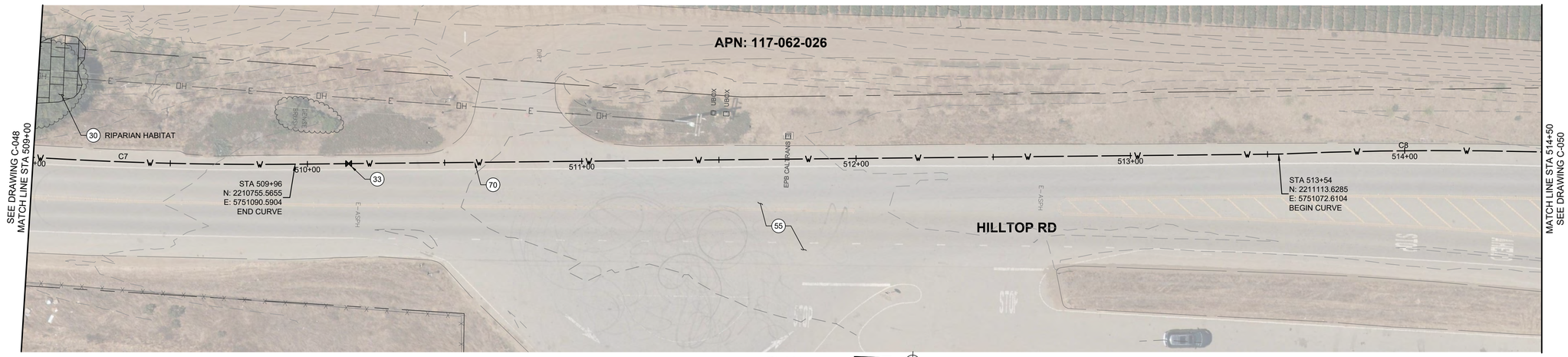
(33) INSTALL 6" LINE GATE VALVE (MJ) PER STANDARD PLAN NO. 3-07.01.

(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'

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

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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

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PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

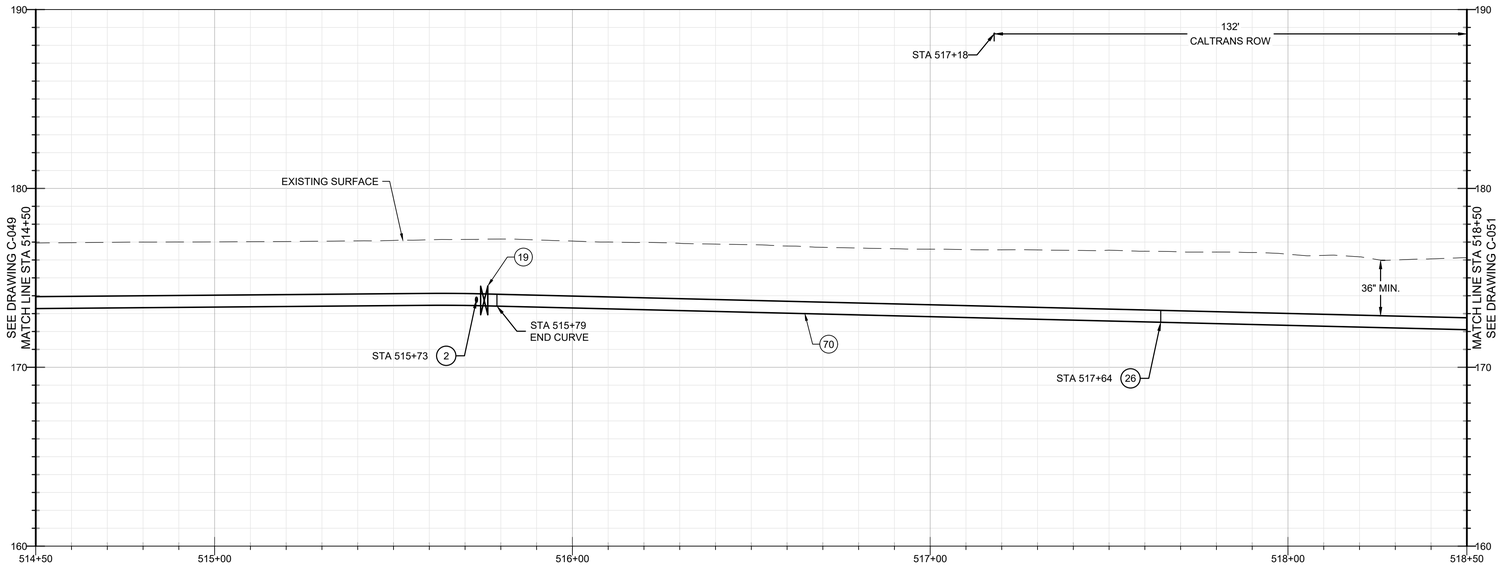
HILLTOP ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 509+00 TO STA 514+50

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\Pipeline Plan And Profile - 1.dwg
Tue 10:54:28 02/3/26 PM by Mike 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.

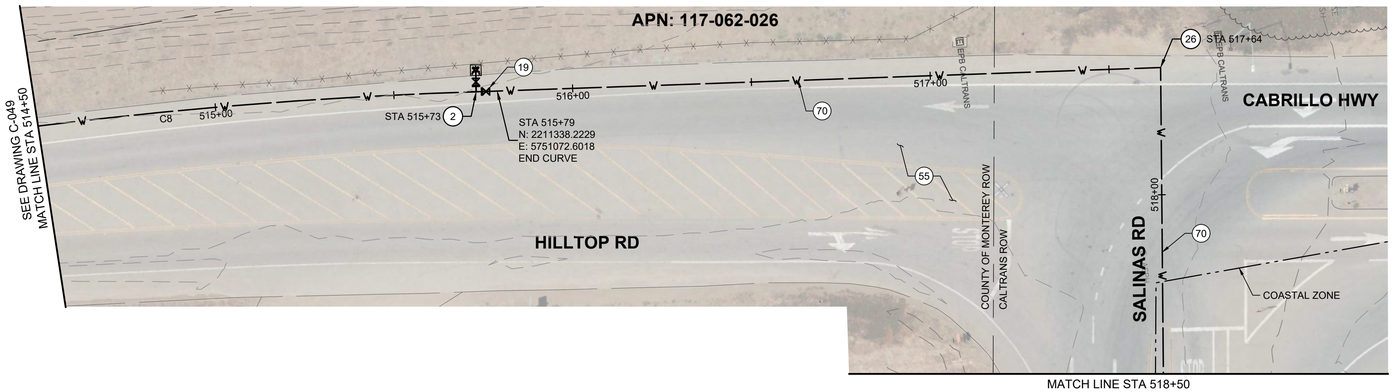
(26) INSTALL 6" 90-DEGREE D.I. FITTING (MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(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)



PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

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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

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

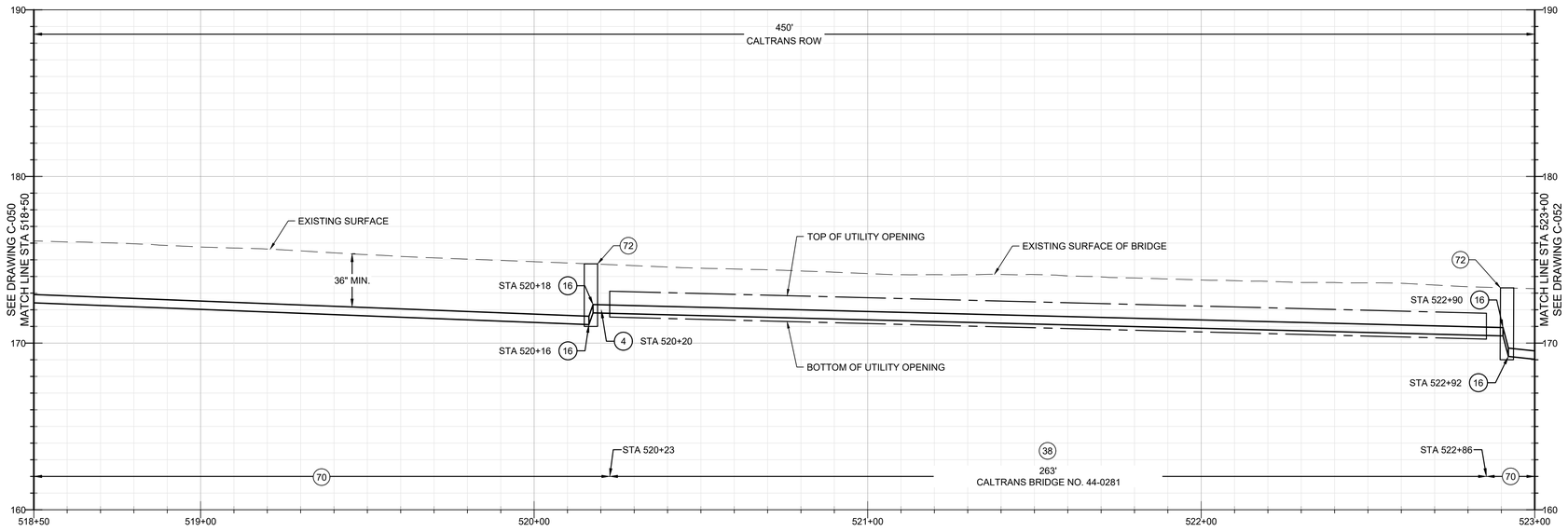
HILLTOP ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 514+50 TO STA 518+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-050

SHEET NUMBER
55 OF 158

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Tue, 10 Mar 26 02:52:28 PM by Alex Dargo



PROFILE

20' 0' 20'

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

CONSTRUCTION KEY NOTES

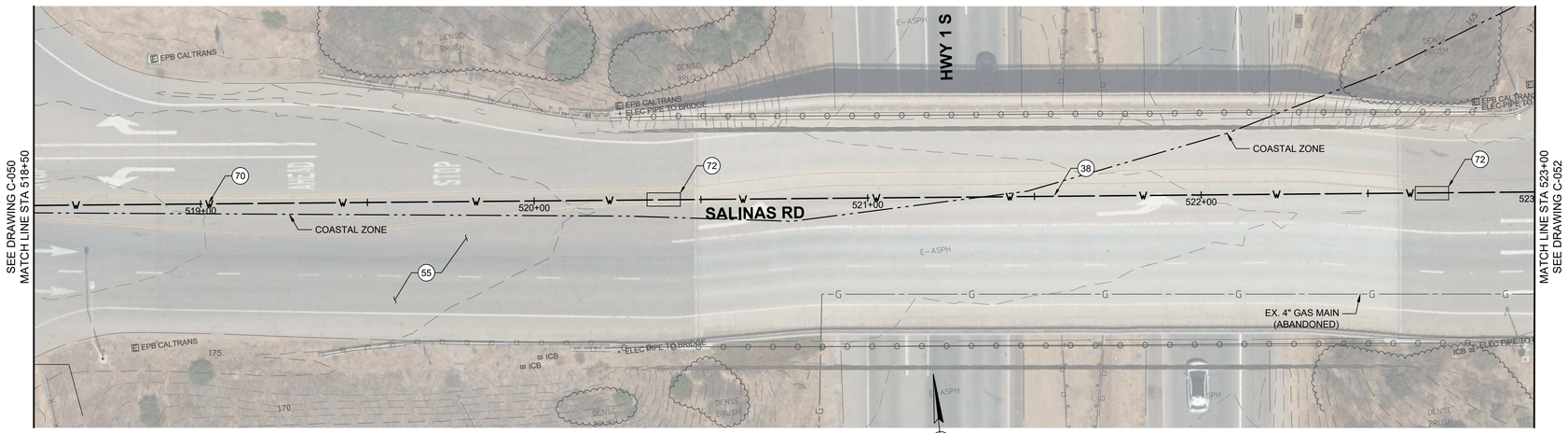
(16) INSTALL 6" 45-DEGREE D.I. VERTICAL FITTING (MJ) WITH JOINT RESTRAINTS FOR CROSSING UNDER EXISTING UTILITY. PROVIDE THRUST BLOCKS PER STANDARD PLAN 3-08.01.

(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'

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DESIGNED:	JAA
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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

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PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
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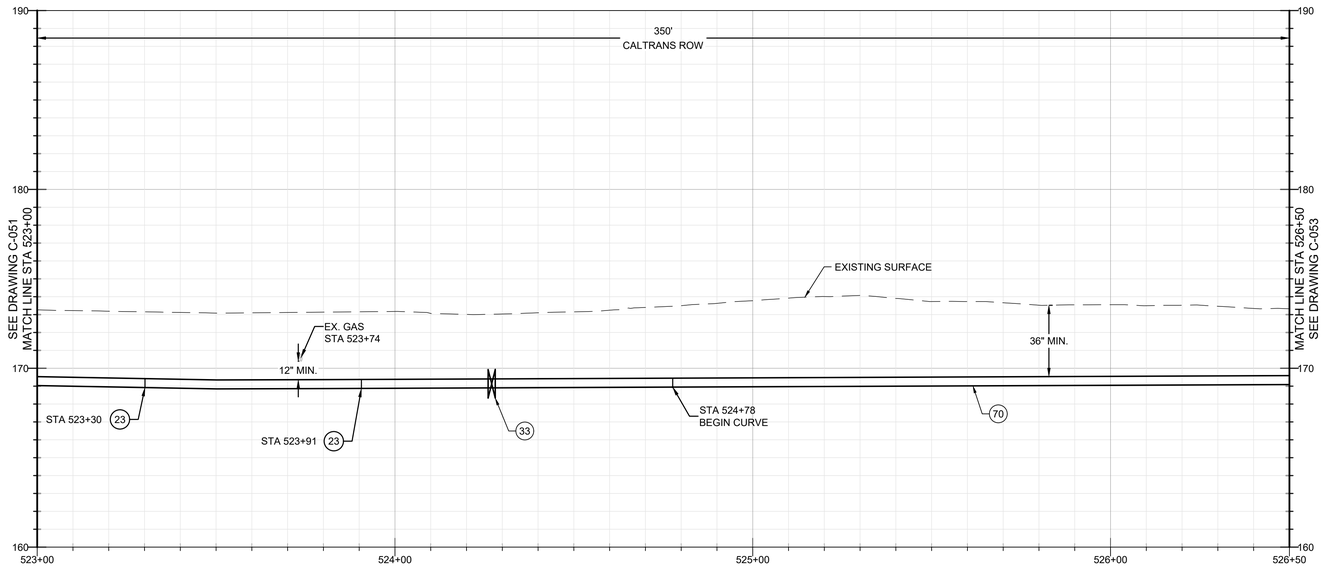
SALINAS ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 518+50 TO STA 523+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-051

SHEET NUMBER
56 OF 158

Tue 10 Jun 26 - 10:26:49 PM by Valley Dodge
C:\Bluebeam\Projects\CWTRC - Community Water Center\CWTRC.200476.05 SRMS Proj\02 Engr_CAD\2 Sheets\New Pipeline Plan And Profile - 11.dwg



PROFILE

20' 0' 20'

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

CONSTRUCTION KEY NOTES

(12) PROTECT UTILITY IN PLACE

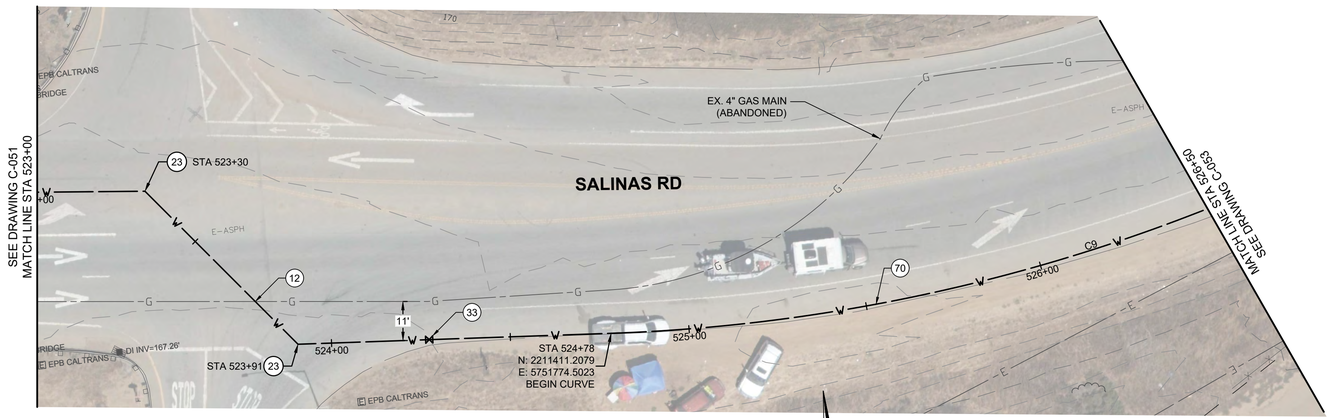
(23) INSTALL 6" 45-DEGREE D.I. FITTING (MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(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'

Know what's below. Call before you dig.

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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

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

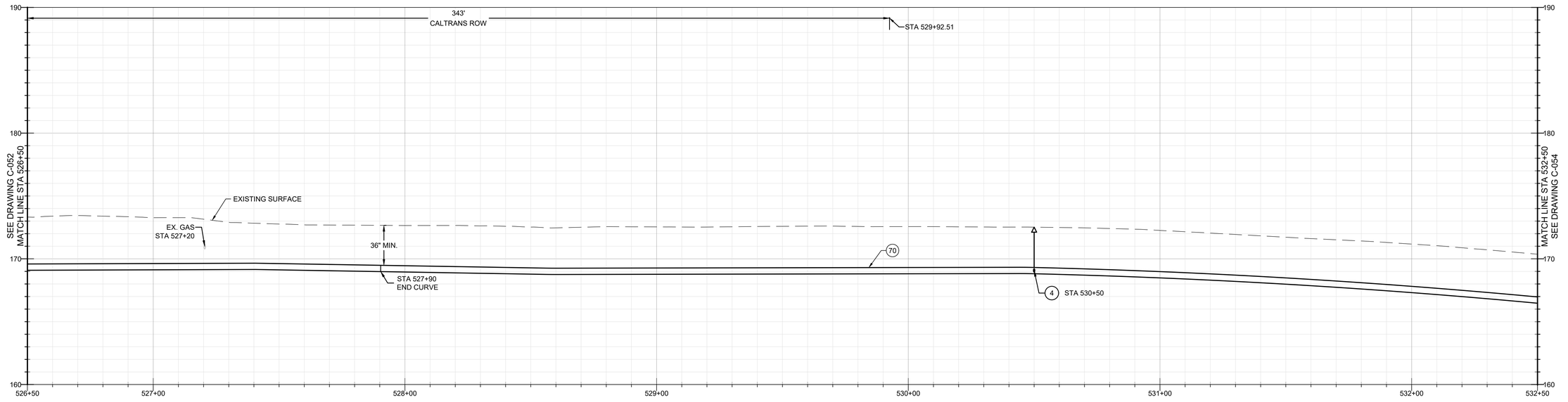
SALINAS ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 523+50 TO STA 526+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-052

SHEET NUMBER
57 OF 158

1st 10 Dec 25 - 03:30:49 PM By: Gilby Diego
C:\Bluebeam\CWTRC - Community Water Center\CWTRC.200476.05\05 Proj\Engr_CAD\ Streamliner Pajaro 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.

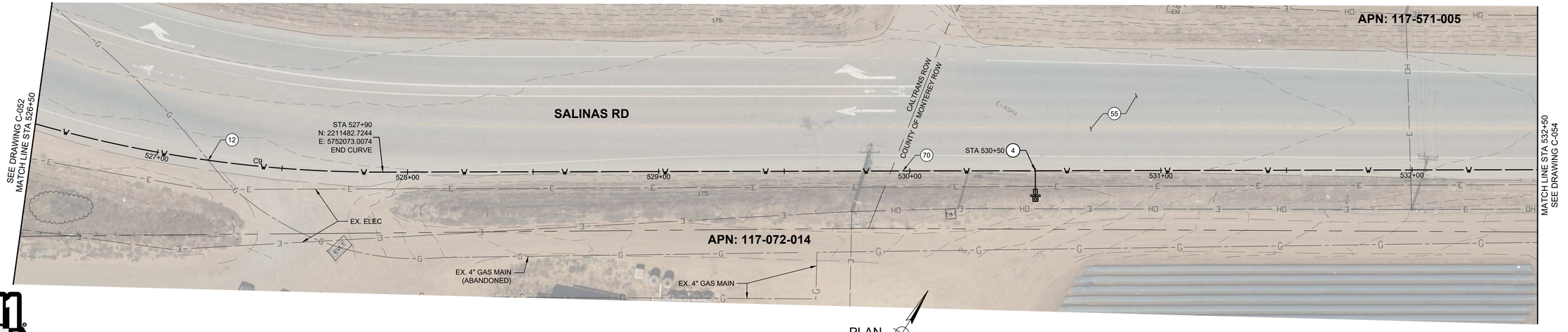
(12) PROTECT UTILITY IN PLACE

(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
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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

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

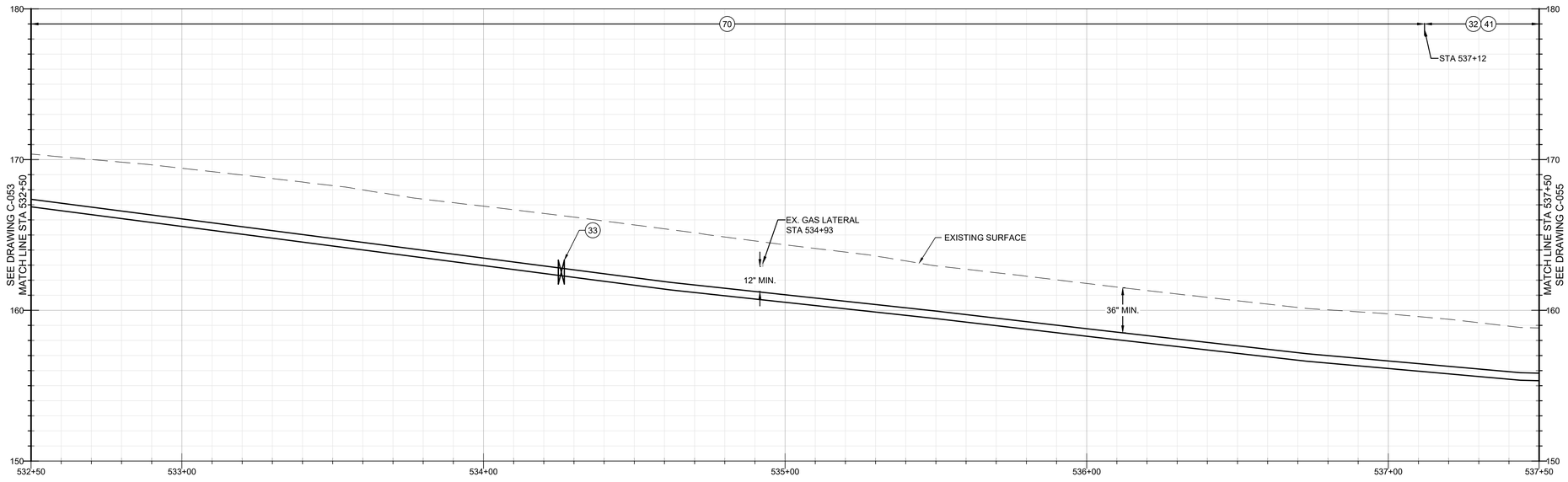
SALINAS ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 526+50 TO STA 532+50

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:\BuzzProjects\com - Community Water Consortium\200476.05 Phase Proj\Eng_CAD\2 Base\Water Pipeline Plan And Profile - 17.dwg



PROFILE

20' 0' 20'

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

CONSTRUCTION KEY NOTES

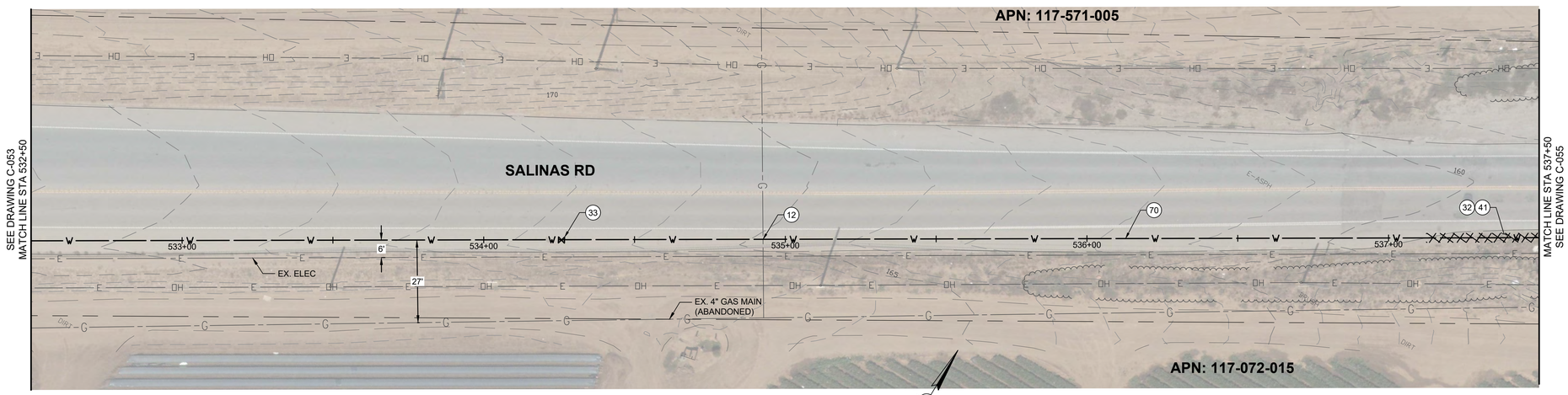
(12) PROTECT UTILITY IN PLACE

(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.

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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

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

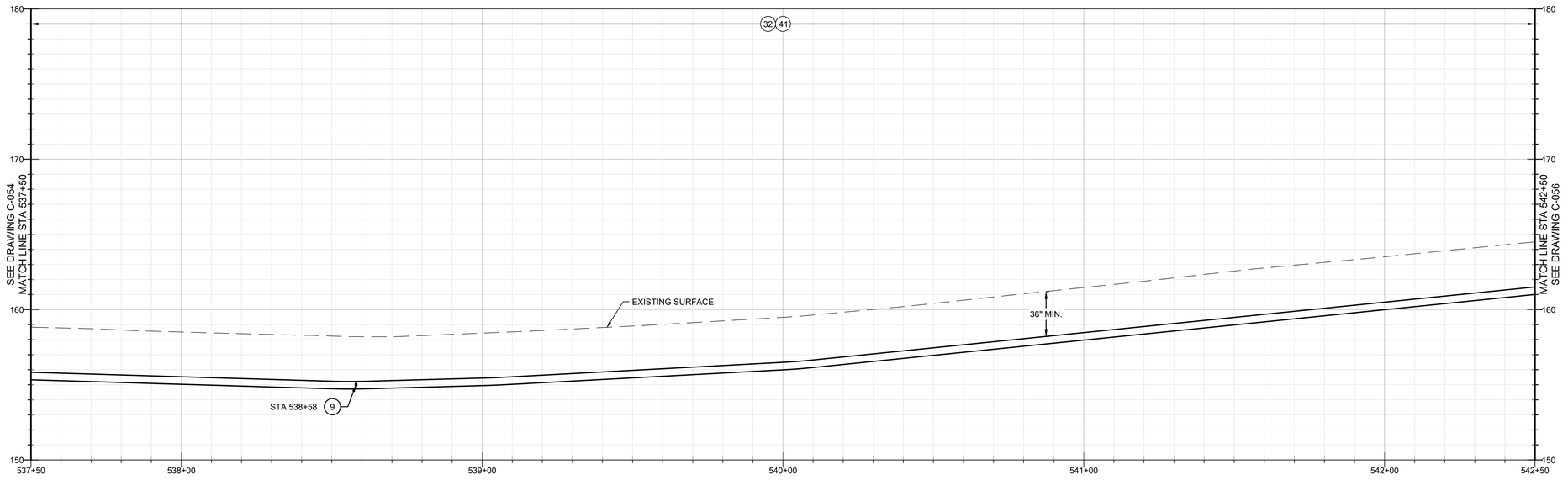
SALINAS ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 532+50 TO STA 537+50

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 Conservancy\2024\26 Pano Proj\Eng\CAD\2 Streamliner Pipeline Plan And Profile - 11.dwg



PROFILE

20' 0' 20'

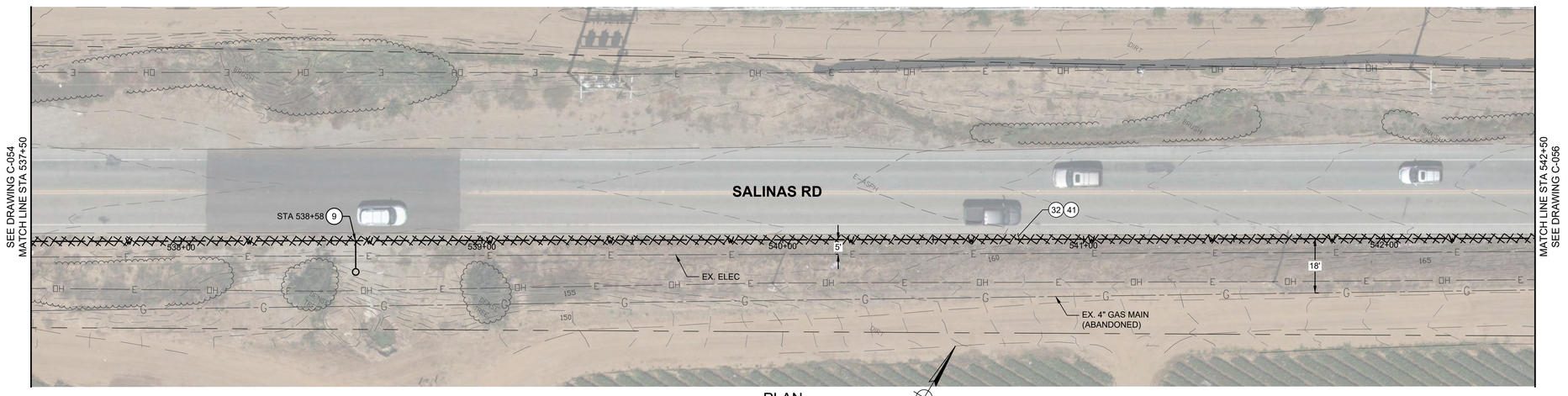
HORIZ: 1" = 20'
VERT: 1" = 4'

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'

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

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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

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

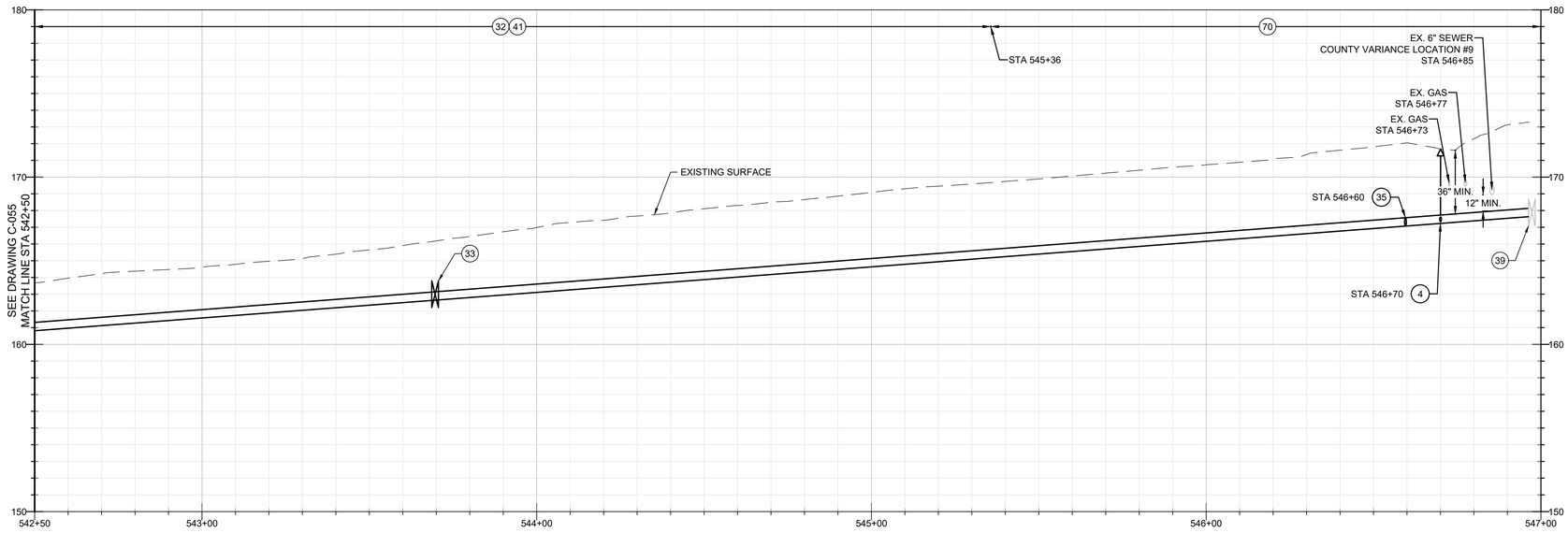
HILLTOP ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 537+50 TO STA 542+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-055

SHEET NUMBER
60 OF **158**

© Boyle Engineering Corporation - Community Water Center\Documents\2004\76.06 Hilltop Road Transmission Pipeline Plan And Profile - 11.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.

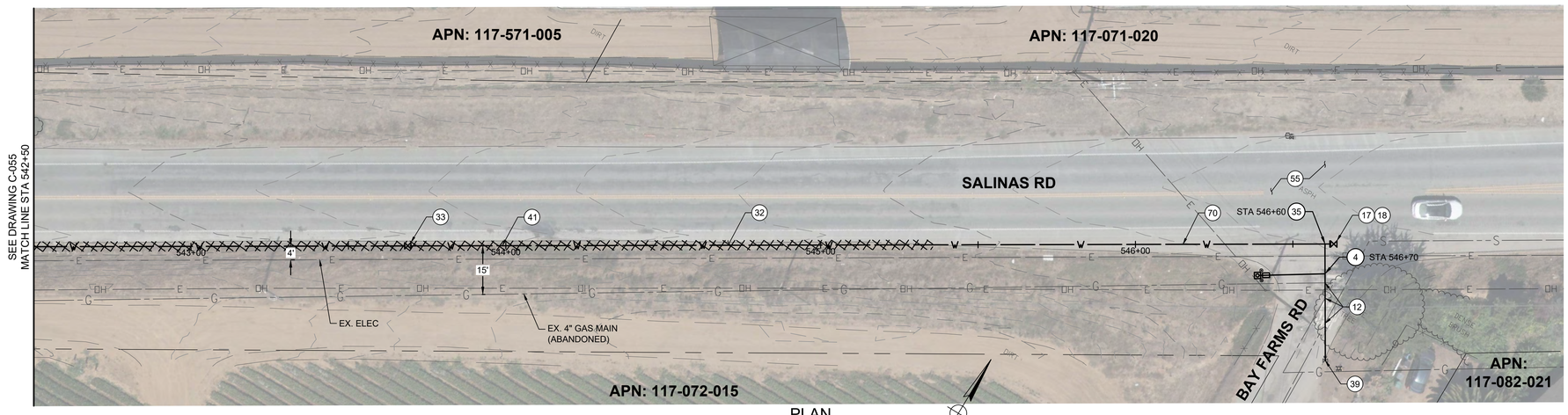
(35) INSTALL 6" D.I. TEE (FLG x MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(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'

Know what's below. Call before you dig.

REVISED 30% SUBMITTAL - NOT FOR CONSTRUCTION

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MNS
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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

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

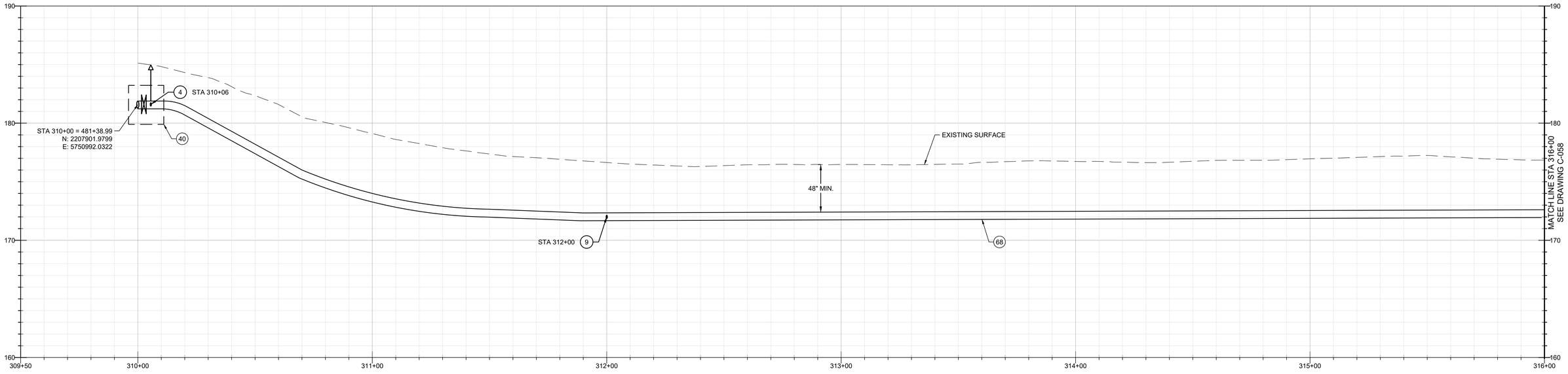
HILLTOP ROAD TRANSMISSION PIPELINE PLAN AND PROFILE - STA 542+50 TO STA 547+00

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:\BoxPrepared\en - Community Water Consultants-200476.05 Pure 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

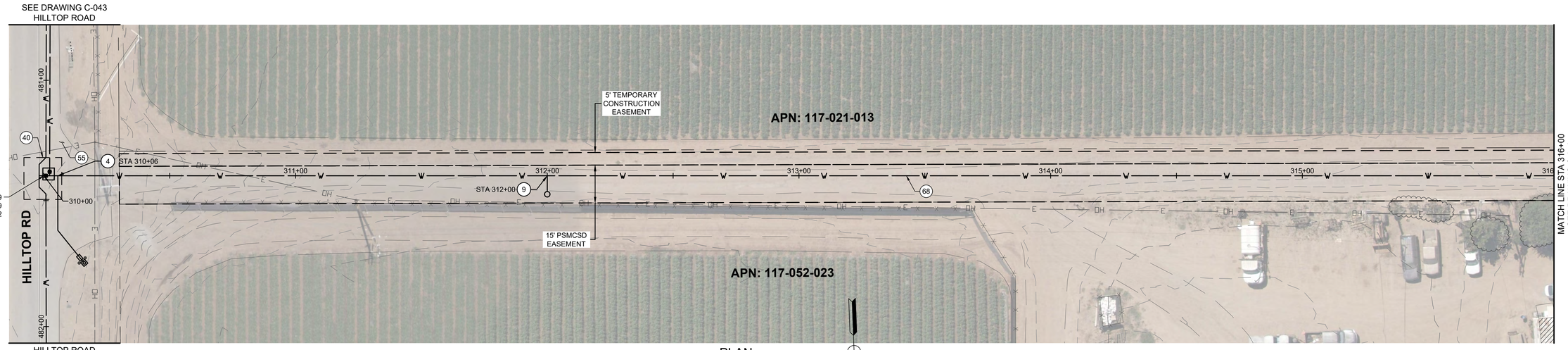
(4) INSTALL AIR/VACUUM RELEASE VALVE ASSEMBLY PER STANDARD PLAN NO. 3-11. INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(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.

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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

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

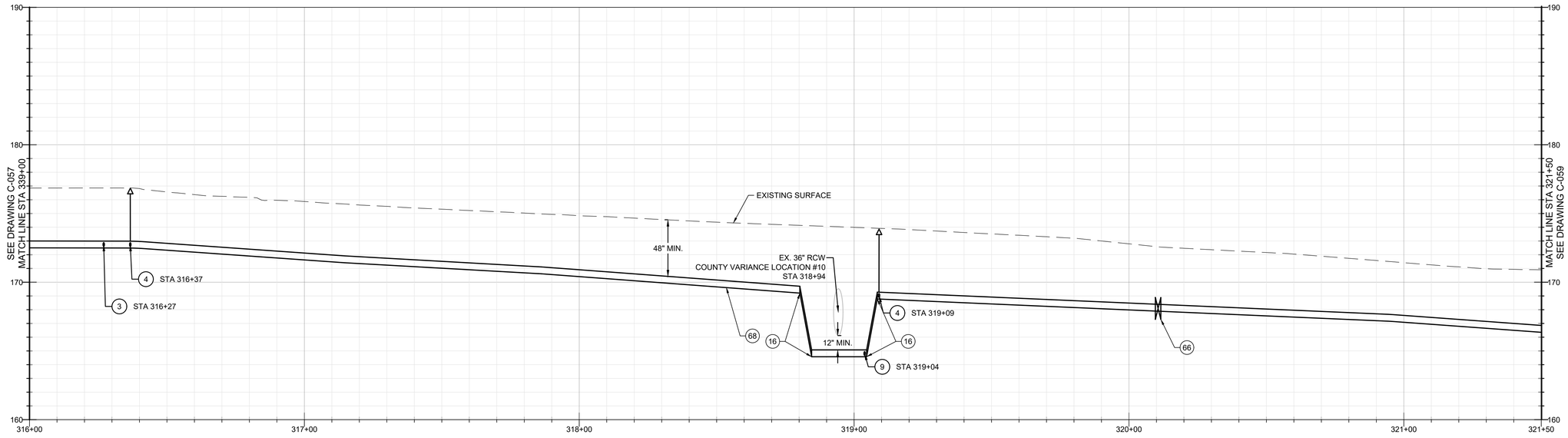
HILLTOP ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 310+00 TO STA 316+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-057

SHEET NUMBER
62 OF 158

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Wed, 28 Jan 26 - 02:48:47 PM By: Hope Mallory



PROFILE

20' 0' 20'

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

CONSTRUCTION KEY NOTES

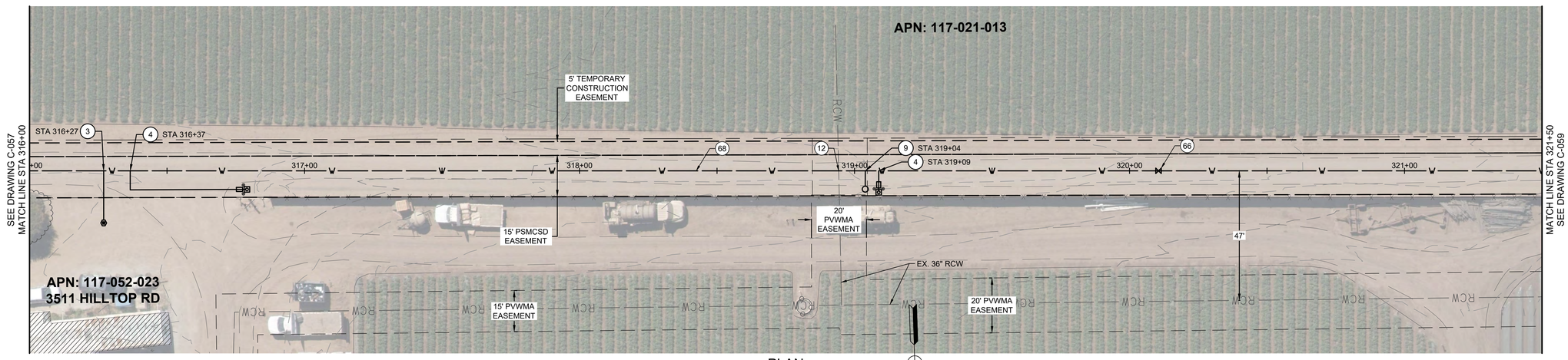
(3) INSTALL 1" WATER SERVICE, 3/4" METER, AND METER BOX PER STANDARD PLAN NO. 3-02.03 AND DETAIL 1, CASE F, DRAWING C-107. REFER TO DRAWINGS C-078 THROUGH C-097 FOR PRIVATE LATERAL PLAN.

(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'

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

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REV	DATE	BY	DESCRIPTION

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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

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

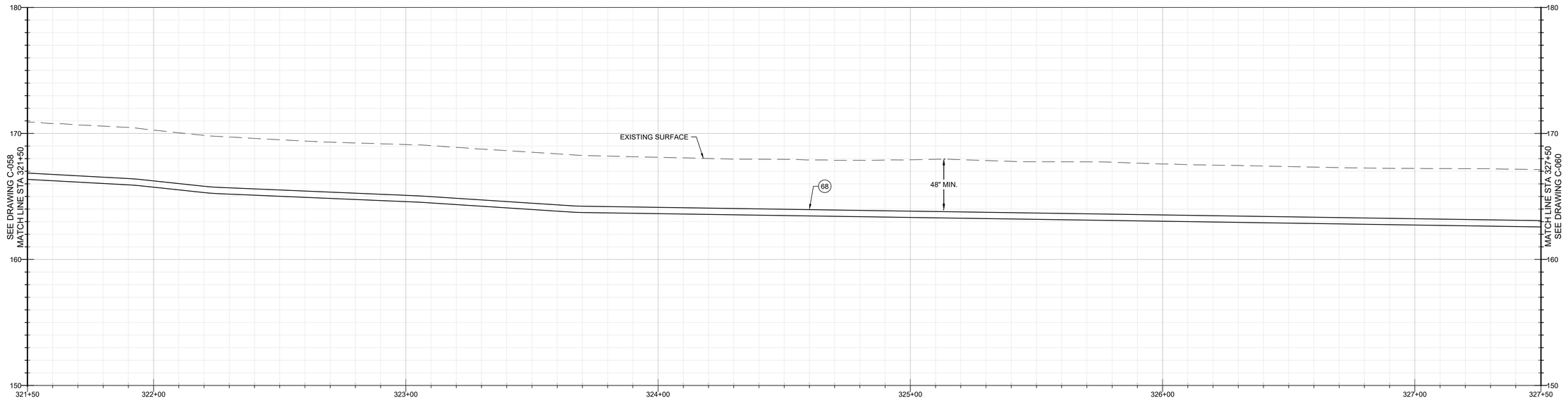
HILLTOP ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 316+00 TO STA 321+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-058

SHEET NUMBER
63 OF 158

C:\Box\Projects\Community Water Districts\200476.05 Pima Proj\Eng_CAD\ Sheets\Main Pipeline Plan And Profile - 11.dwg
Thu 26-Jun-25 09:48:08 PM by Hope Mallory
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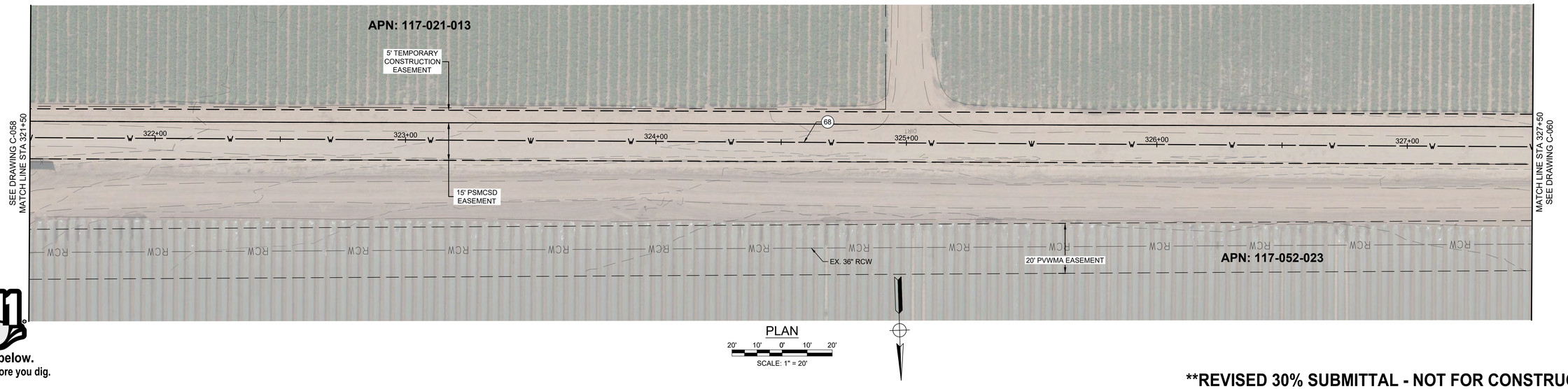
PROFILE

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.

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REV	DATE	BY	DESCRIPTION

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San Luis Obispo, CA 93401
805-692-6921 | www.mnsengineers.com

DESIGNED:	JAA
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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

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

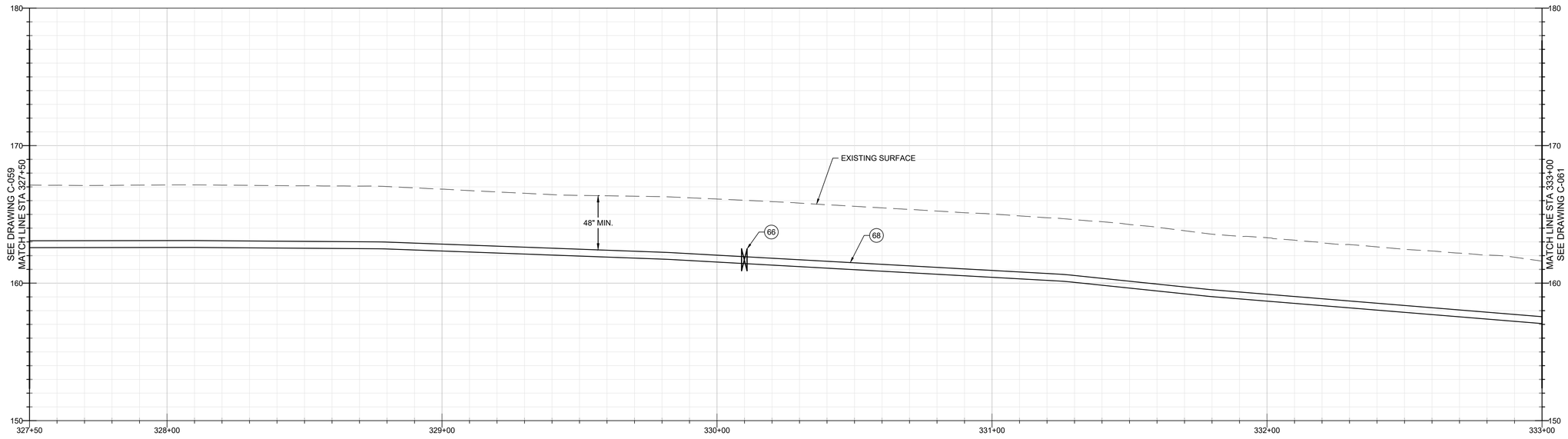
HILLTOP ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 321+50 TO STA 327+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-059

SHEET NUMBER
64 OF 158

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Thu, 12 Mar 26 23:42:24 Pacific Daylight Time



PROFILE

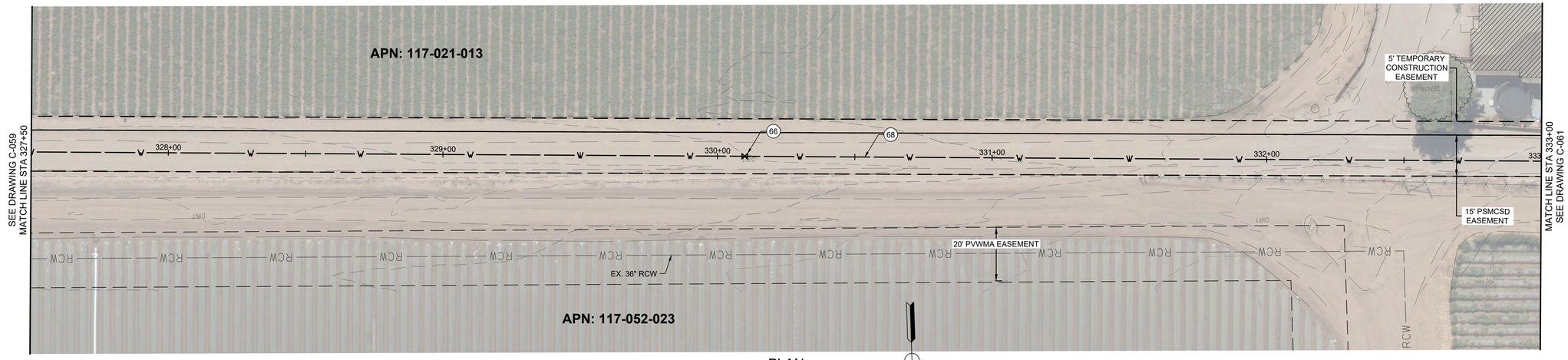
20' 0' 20'

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'

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805-692-6921 | www.mnsengineers.com

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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

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

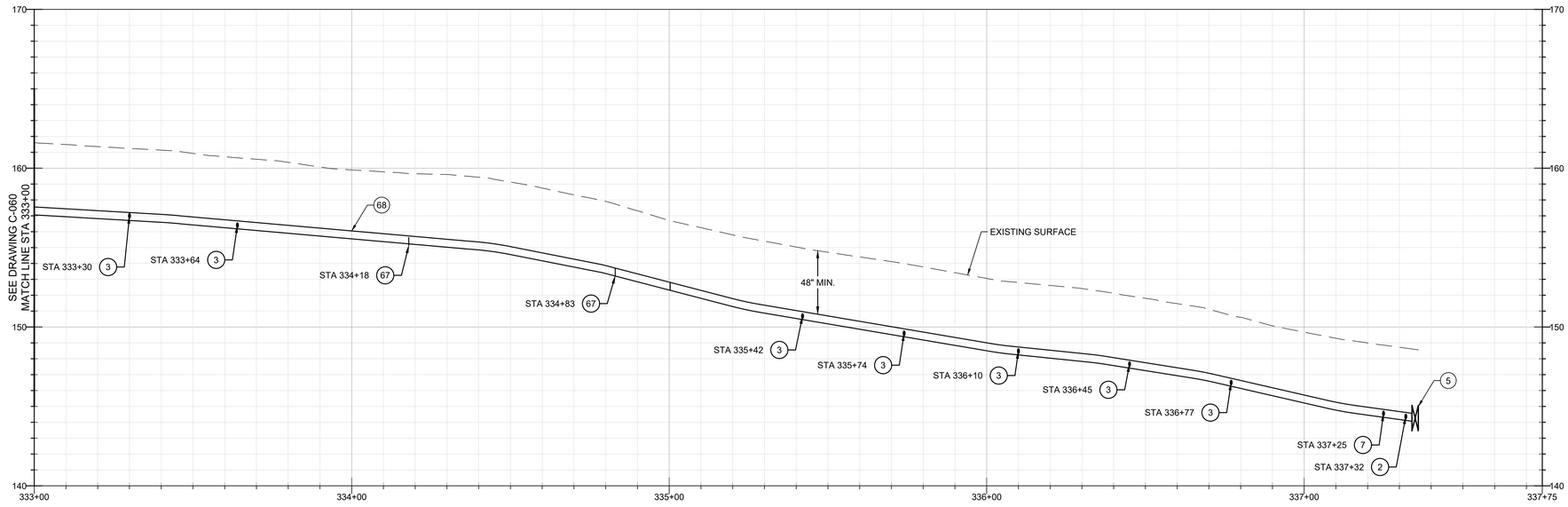
HILLTOP ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 327+50 TO STA 333+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-060

SHEET NUMBER
65 OF 158

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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.

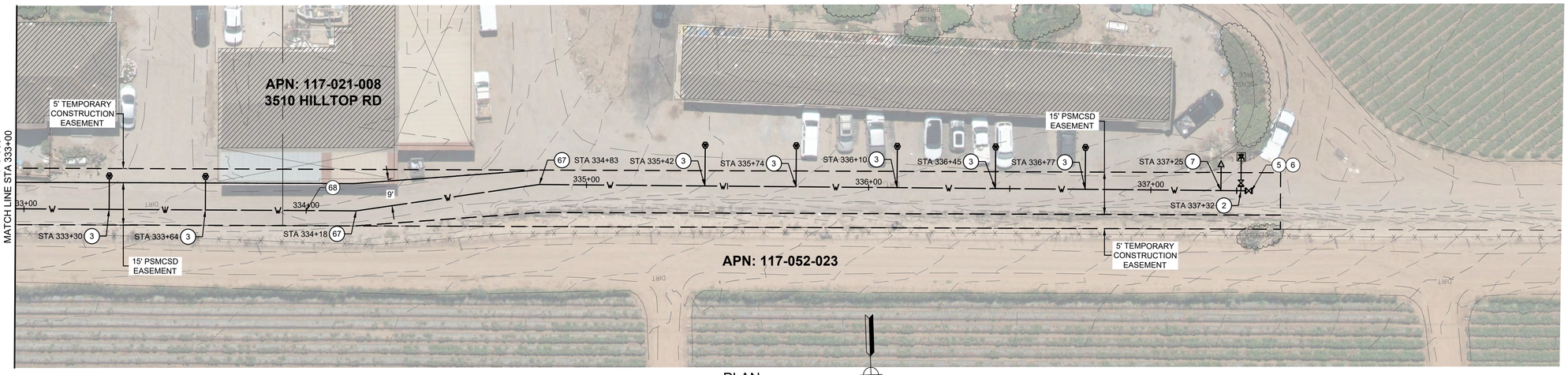
(5) INSTALL 8" LINE GATE VALVE (FLG) PER STANDARD PLAN NO. 3-07.01.

(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

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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

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

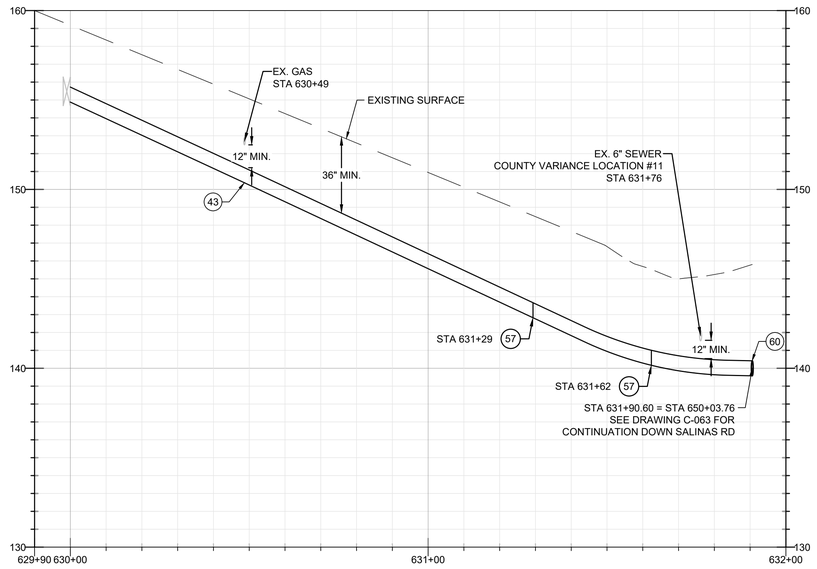
HILLTOP ROAD DISTRIBUTION PIPELINE PLAN AND PROFILE - STA 333+00 TO STA 337+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-061

SHEET NUMBER
66 OF 158

Thu 13:04:26 2026 By Joby Diggs
C:\Build Projects\CWTRC - Community Water Center\CWTRC.200476.05 9563 Proj\Eng_CADD Sheets\New Pipeline Plan And Profile - 1.dwg



PROFILE

20' 0' 20'

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

CONSTRUCTION KEY NOTES

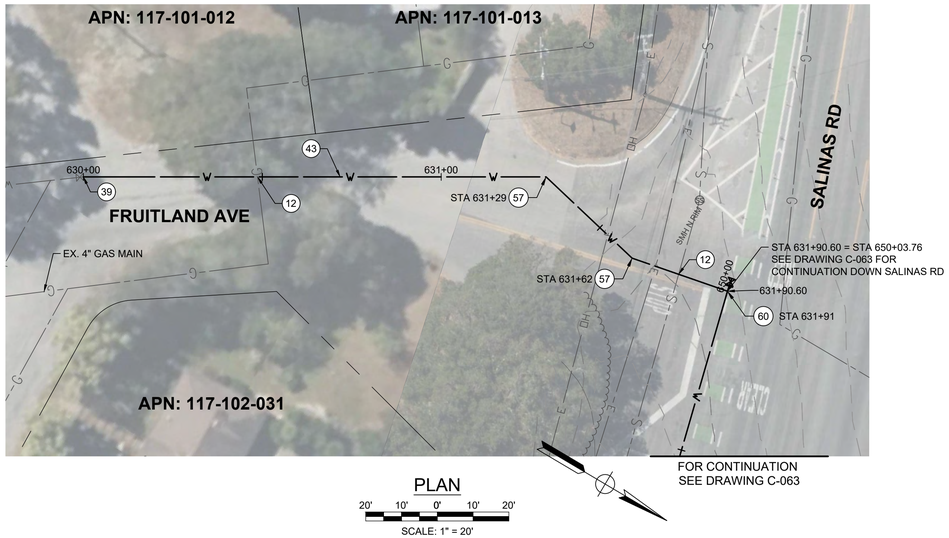
(12) PROTECT UTILITY IN PLACE

(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****

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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

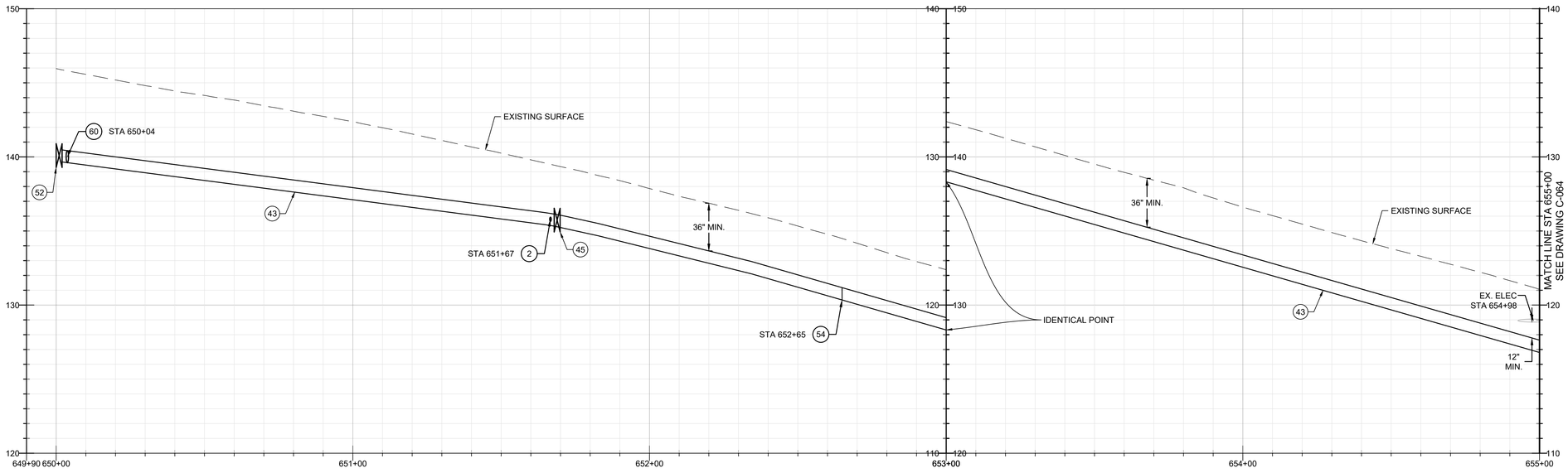
PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-062

SHEET NUMBER
67 OF 158

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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.

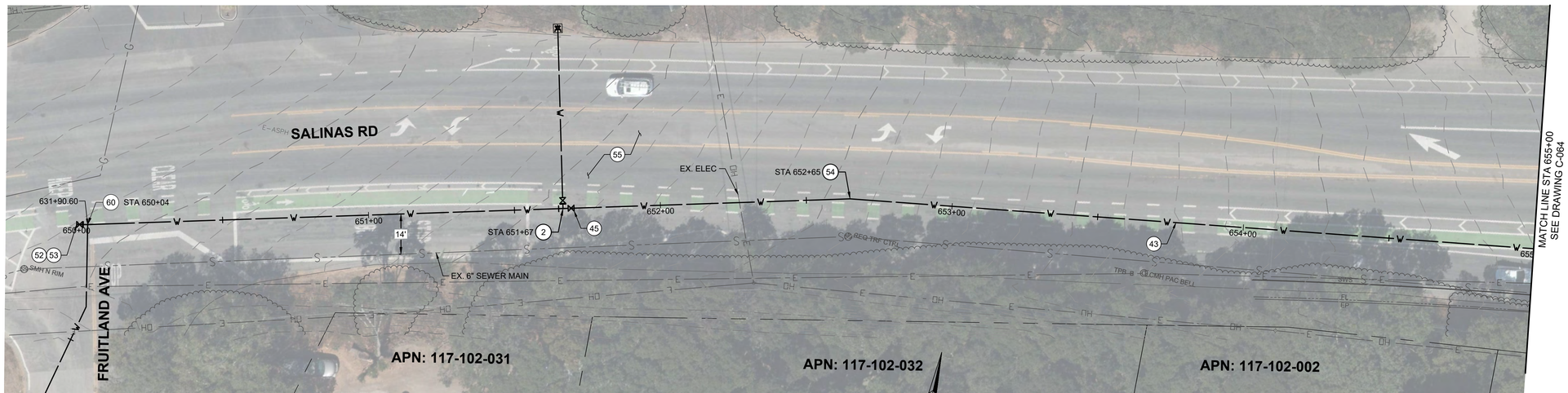
(52) INSTALL 10" LINE GATE VALVE (FLG) PER STANDARD PLAN NO. 3-07.01.

(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.



FOR CONTINUATION
SEE DRAWING C-062

PLAN

20' 10' 0' 10' 20'

SCALE: 1" = 20'

Know what's below.
Call before you dig.

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DESIGNED:	JAA
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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

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

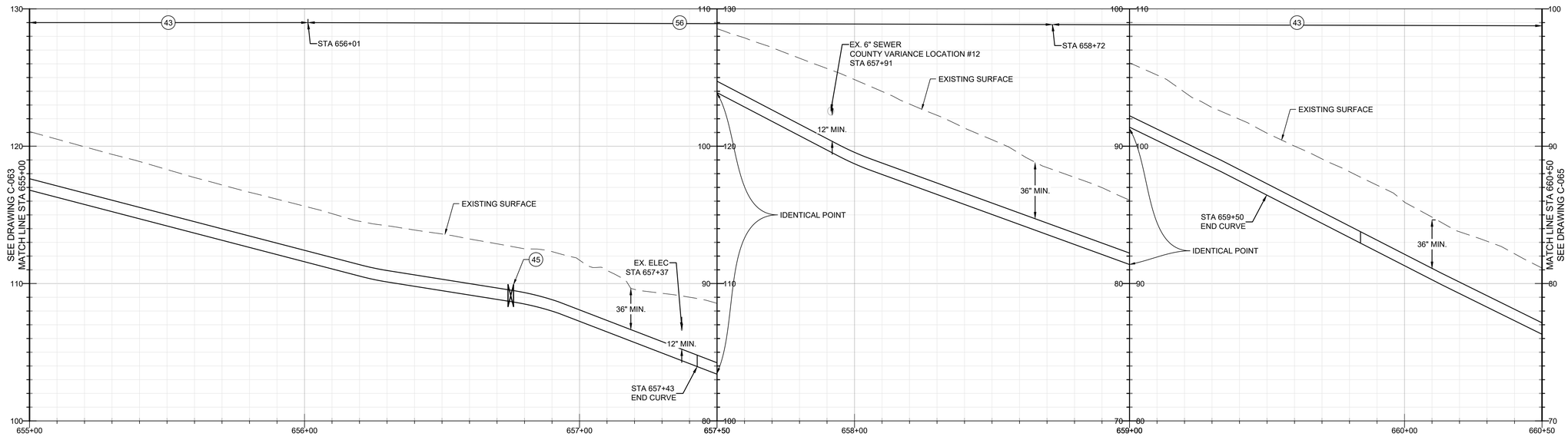
SALINAS ROAD WATER PIPELINE PLAN AND PROFILE - STA 650+00 TO STA 655+00

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\1 Base\Base Drafting 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.

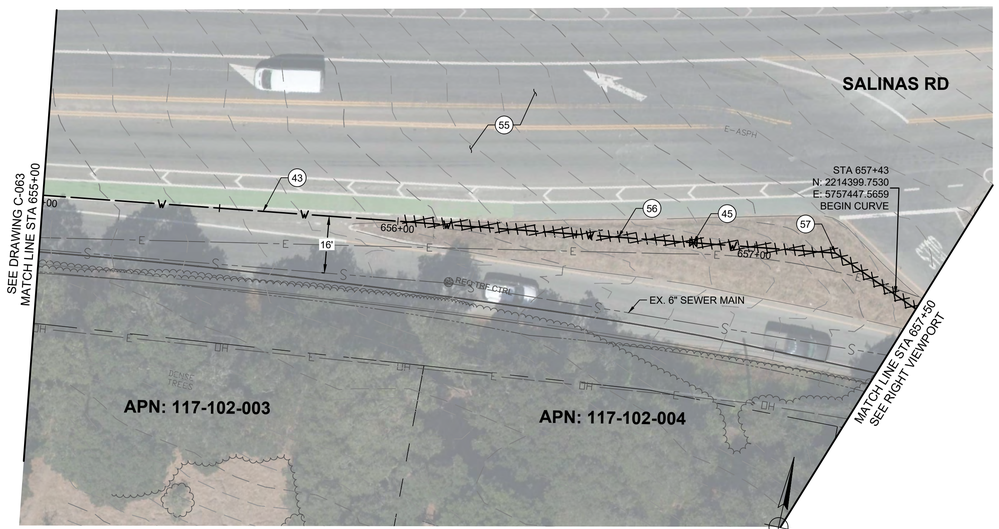
(56) INSTALL 10" PVC C900 DR 18 WATER MAIN PER DETAIL 1, CASE A, DRAWING C-107.

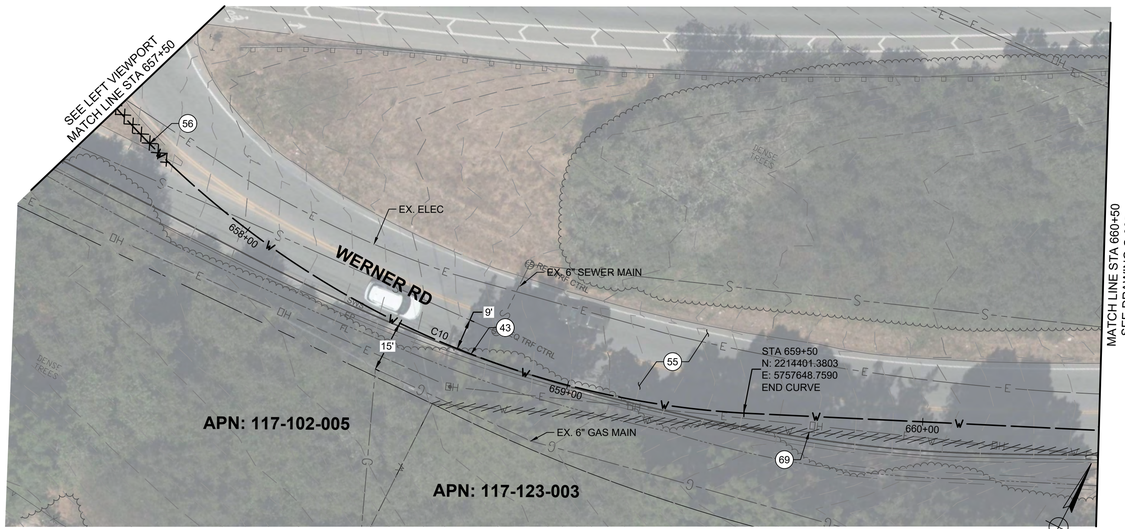
(57) INSTALL 10" 22.5-DEGREE D.I. FITTING (MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(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'

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DESIGNED:	JAA
DRAWN:	KAD
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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

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

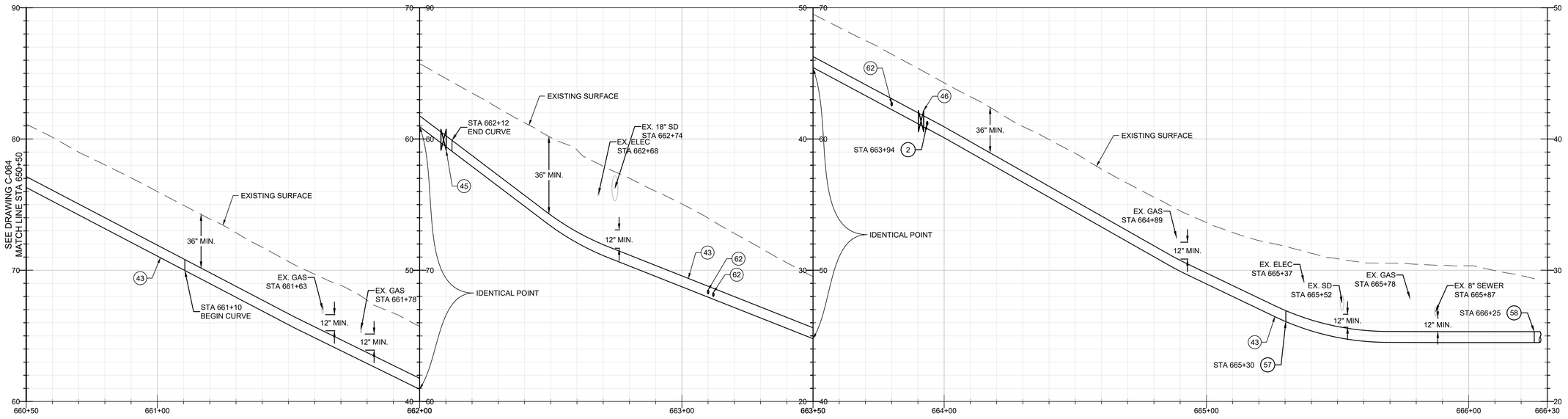
WERNER ROAD WATER PIPELINE PLAN AND PROFILE - STA 655+00 TO STA 660+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-064

SHEET NUMBER
69 OF 158

Wed Jul 29, 25 12:23:03 PM By: Jordyn Kreidt C:\BluePrintJobs\CWTRC - Community Water Center\CWTRC.200476.05 Pajaro\Eng_CAD\2 Drawings\Pipeline 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.

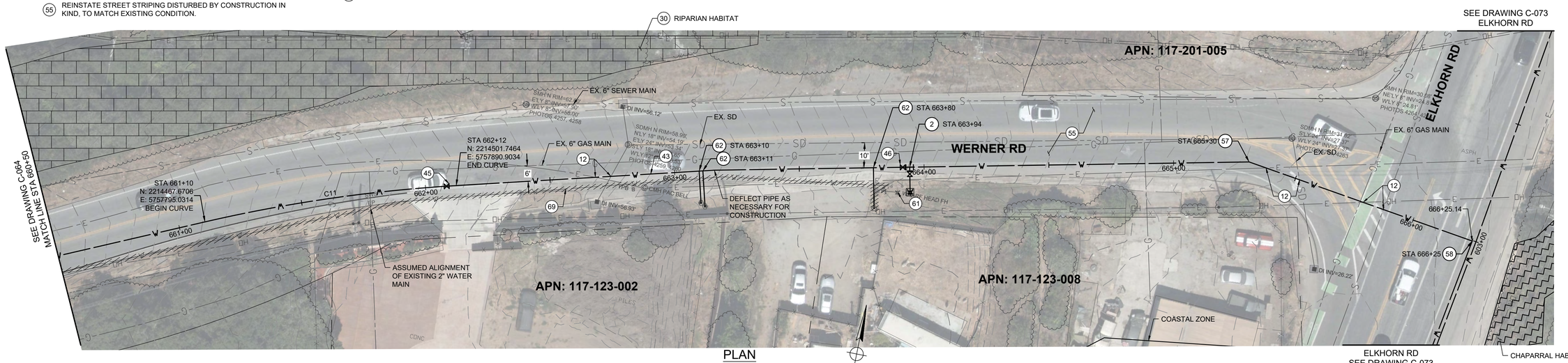
(61) REMOVE WHARF HEAD FIRE HYDRANT AND BURY. CAP AND ABANDON EXISTING LATERAL.

(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'

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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

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

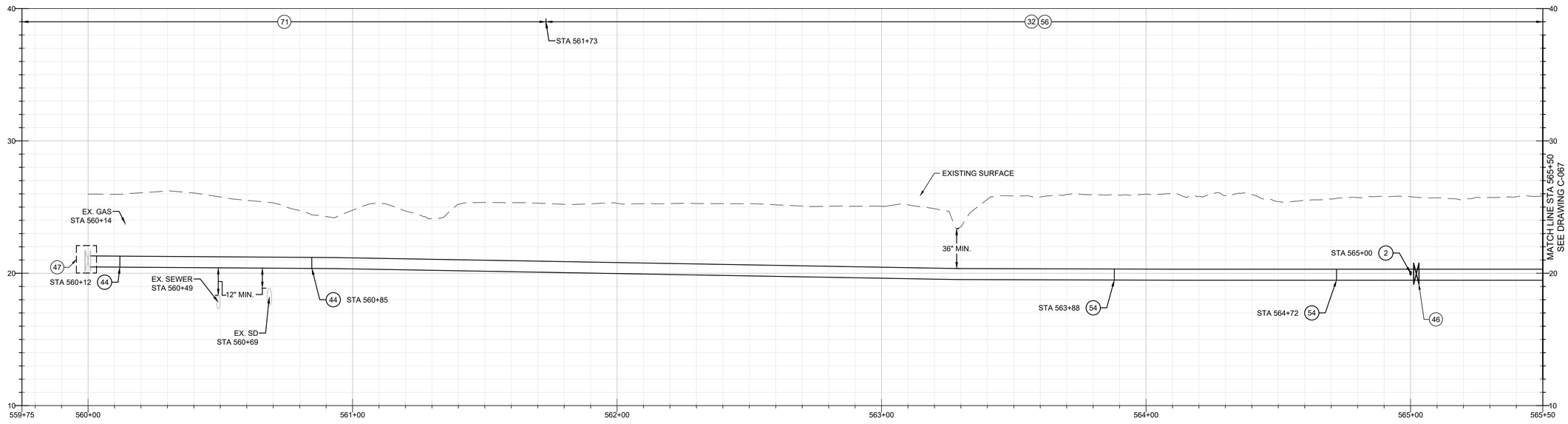
WERNER ROAD WATER PIPELINE PLAN AND PROFILE - STA 660+50 TO STA 666+25

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-065

SHEET NUMBER
70 OF 158

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Tue 10 Mar 26 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.

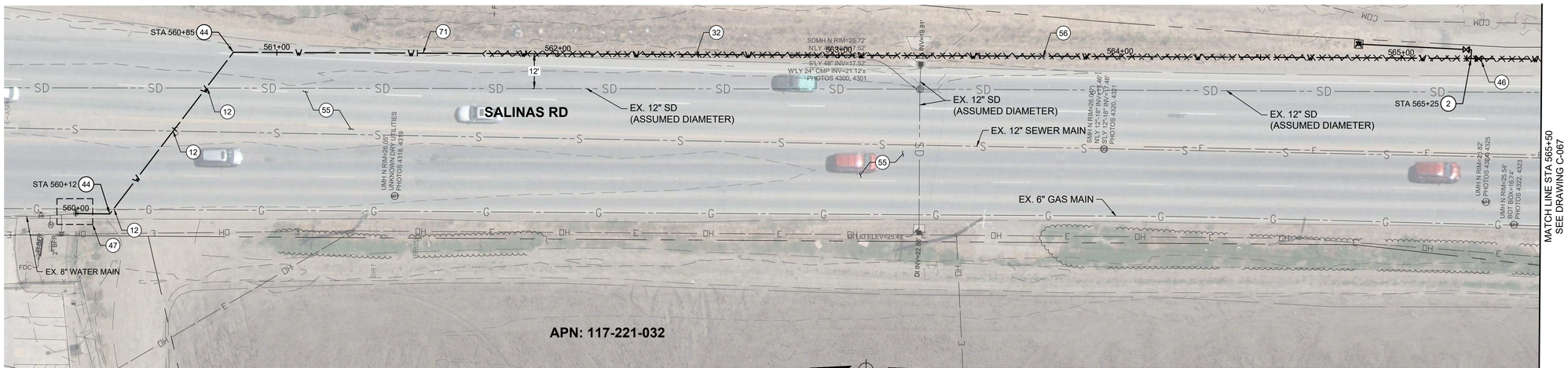
(46) INSTALL 10" LINE GATE VALVE (FLG X MJ) ON FIRE HYDRANT TEE PER STANDARD PLAN NO. 3-07.01.

(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'

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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

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

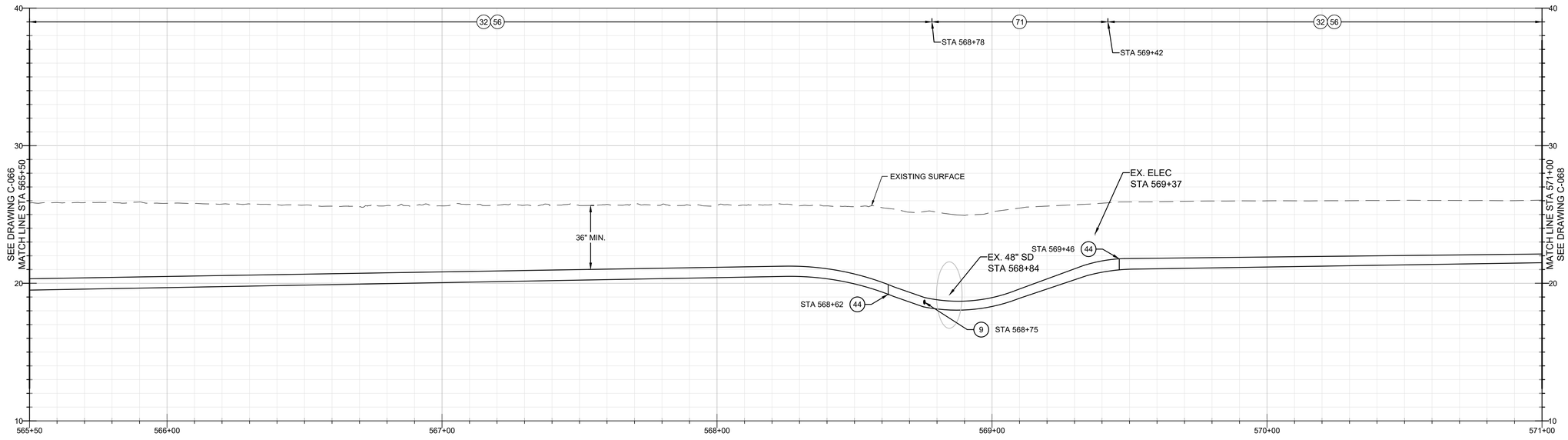
SALINAS ROAD WATER PIPELINE PLAN AND PROFILE - STA 560+00 TO STA 565+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-066

SHEET NUMBER
71 OF 158

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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.

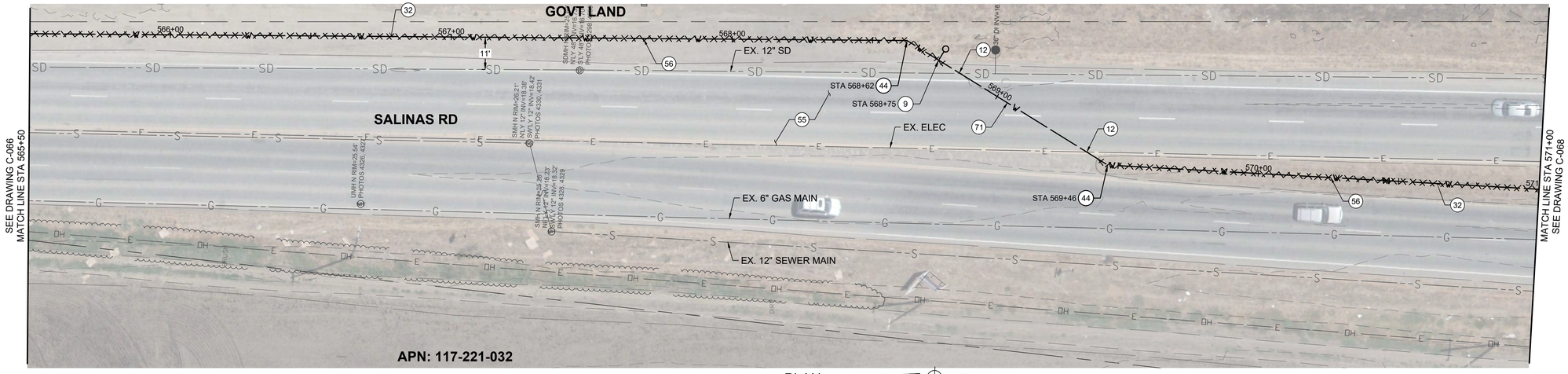
(44) INSTALL 10" 45-DEGREE D.I. FITTING (MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(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'

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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

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

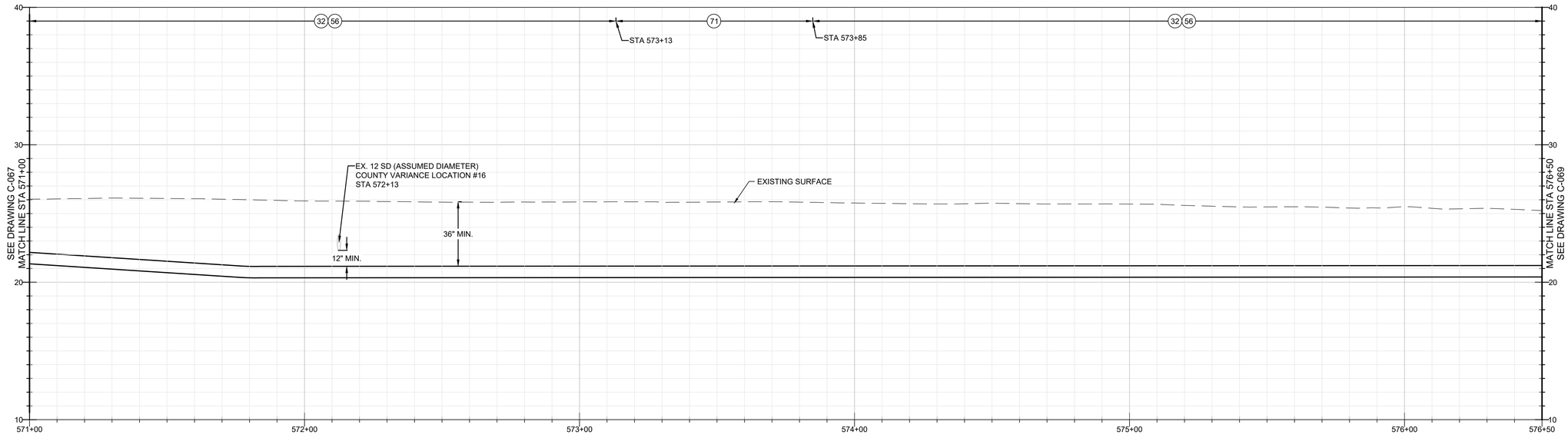
SALINAS ROAD WATER PIPELINE PLAN AND PROFILE - STA 565+50 TO STA 571+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-067

SHEET NUMBER
72 OF 158

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Tue, 10 Mar 26 21:54:43 PM by Billy Dodge



PROFILE

20' 0' 20'

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

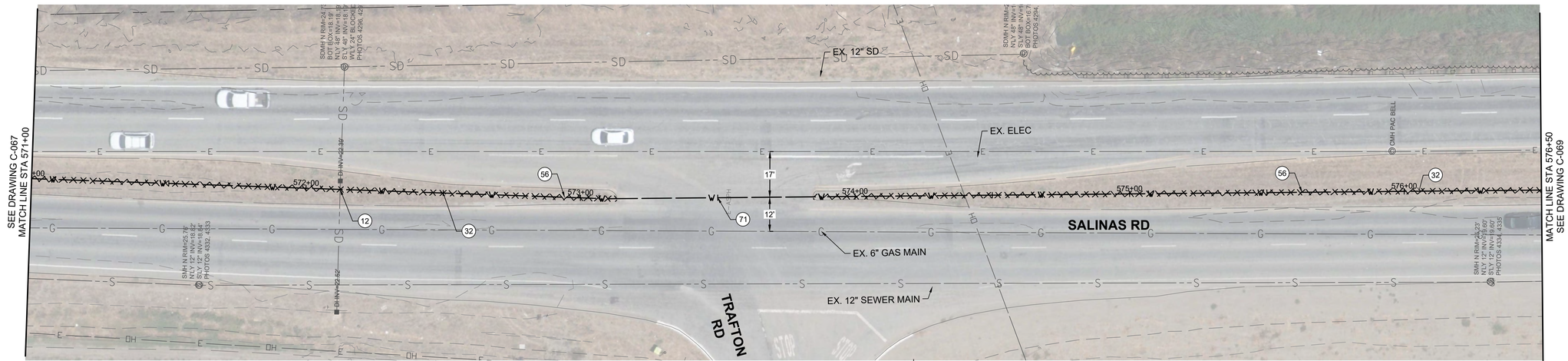
CONSTRUCTION KEY NOTES

(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.

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805-692-6921 | www.mnsengineers.com

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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

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

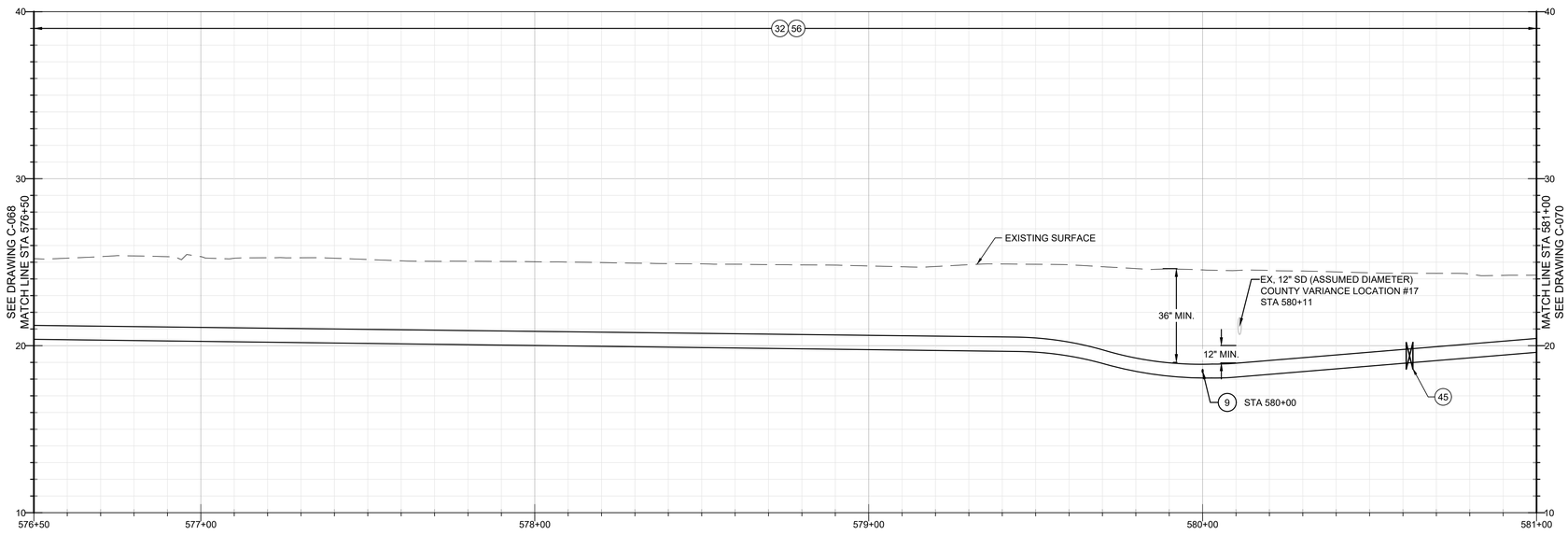
SALINAS ROAD WATER PIPELINE PLAN AND PROFILE - STA 571+00 TO STA 576+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-068

SHEET NUMBER
73 OF 158

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Tue 13 May 25 01:24:43 PM by Kiley Dargie



PROFILE

20' 0' 20'

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

CONSTRUCTION KEY NOTES

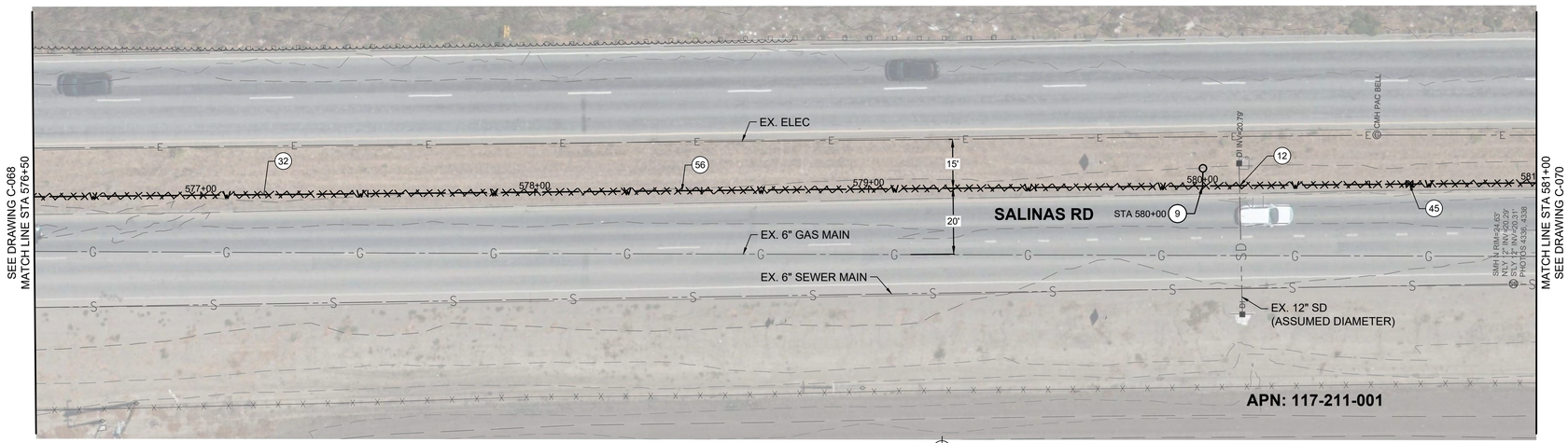
(9) INSTALL BLOW-OFF ASSEMBLY PER STANDARD PLAN NO. 3-06.
INSTALL TRAFFIC BOLLARDS PER STANDARD PLAN NO. 4-03.

(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.

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REV	DATE	BY	DESCRIPTION

MNS
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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

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

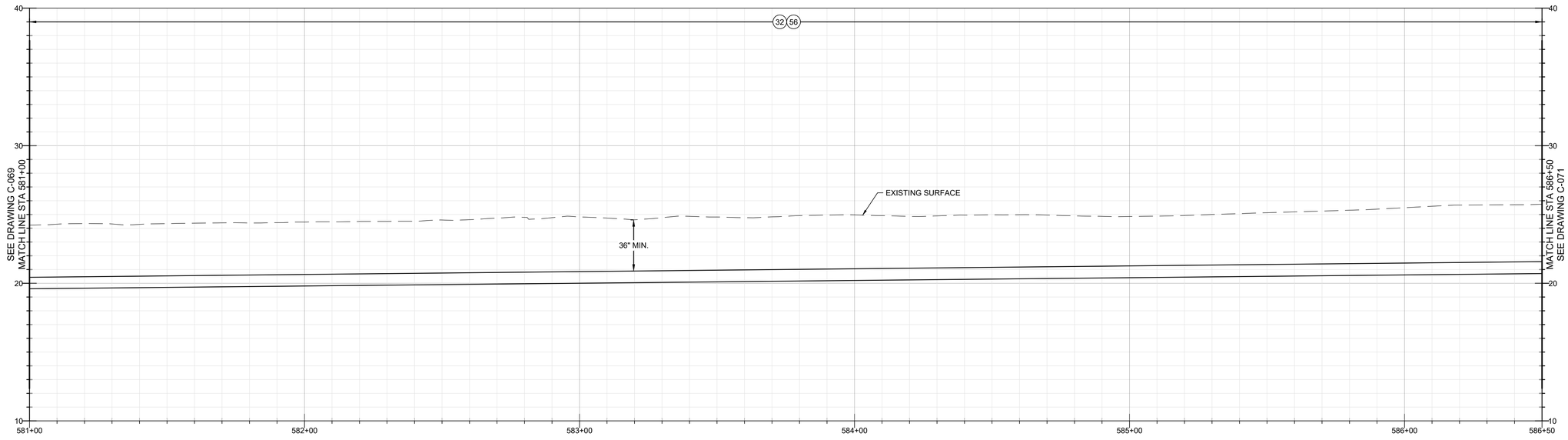
SALINAS ROAD WATER PIPELINE PLAN AND PROFILE - STA 576+50 TO STA 581+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-069

SHEET NUMBER
74 OF **158**

Tue 10 Mar 26 01:34:43 PM by Mike Diego C:\Bluebeam\CWTRC - Community Water Center\CWTRC.200476.05 PSMS Proj\Eng_CAD2 Drawings\Pajaro Plan And Profile - 1.dwg



PROFILE

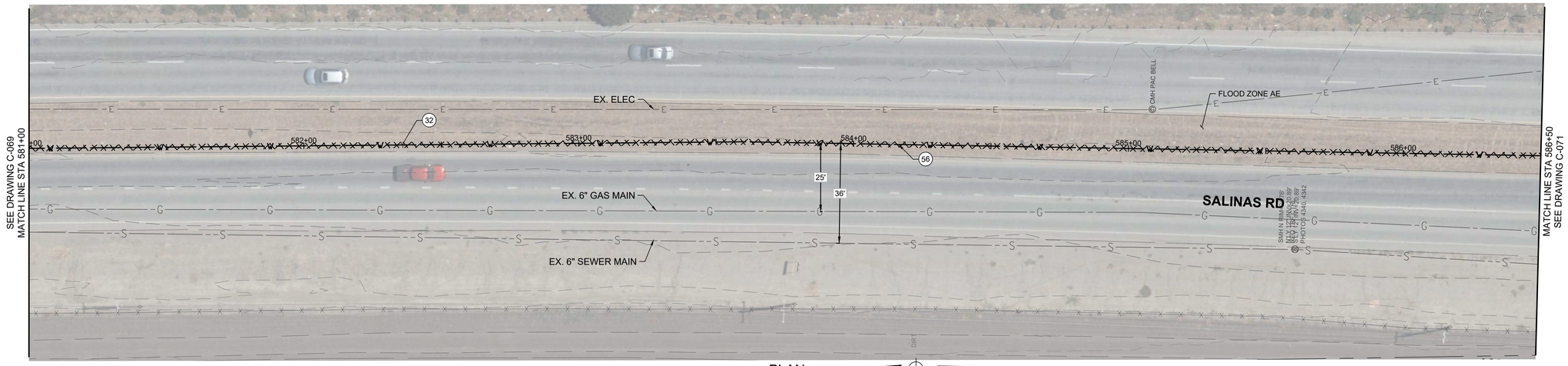
20' 0' 20'

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.

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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

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

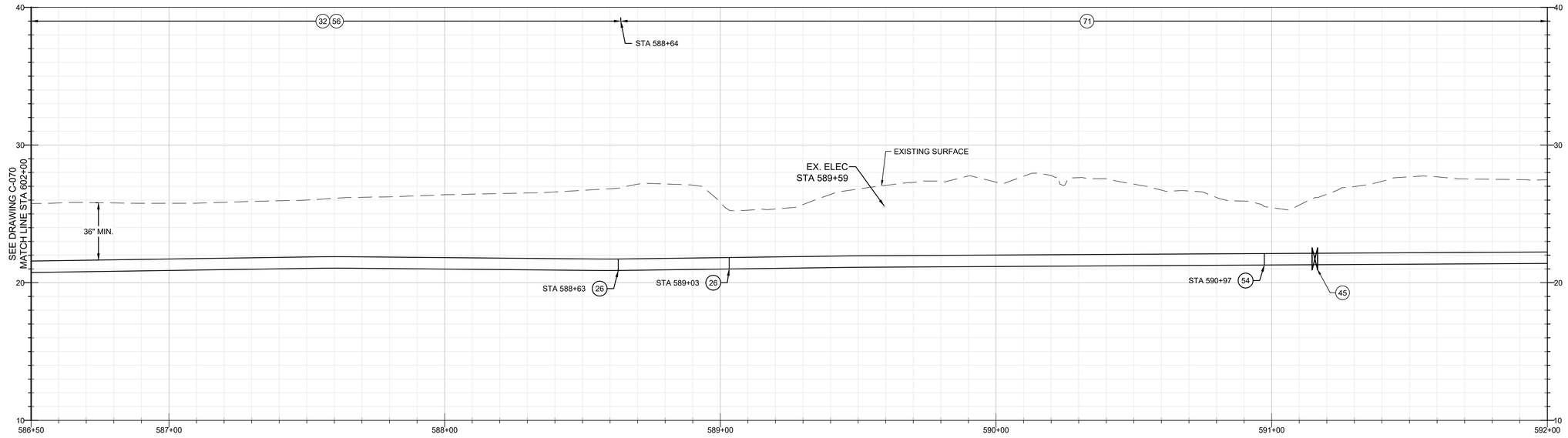
SALINAS ROAD WATER PIPELINE PLAN AND PROFILE - STA 581+00 TO STA 586+50

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-070

SHEET NUMBER
75 OF 158

© Boyl Projects\CWTRC - Community Water Center\CWTRC.200476.05 P3\6 Proj Eng_CAD\ Sheet\Main Pipeline Plan And Profile - 1 B.dwg
Tue 15 Jul 26 21:14:42 Riley (Ally) Dwgn



PROFILE

20' 0' 20'

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

CONSTRUCTION KEY NOTES

(12) PROTECT UTILITY IN PLACE

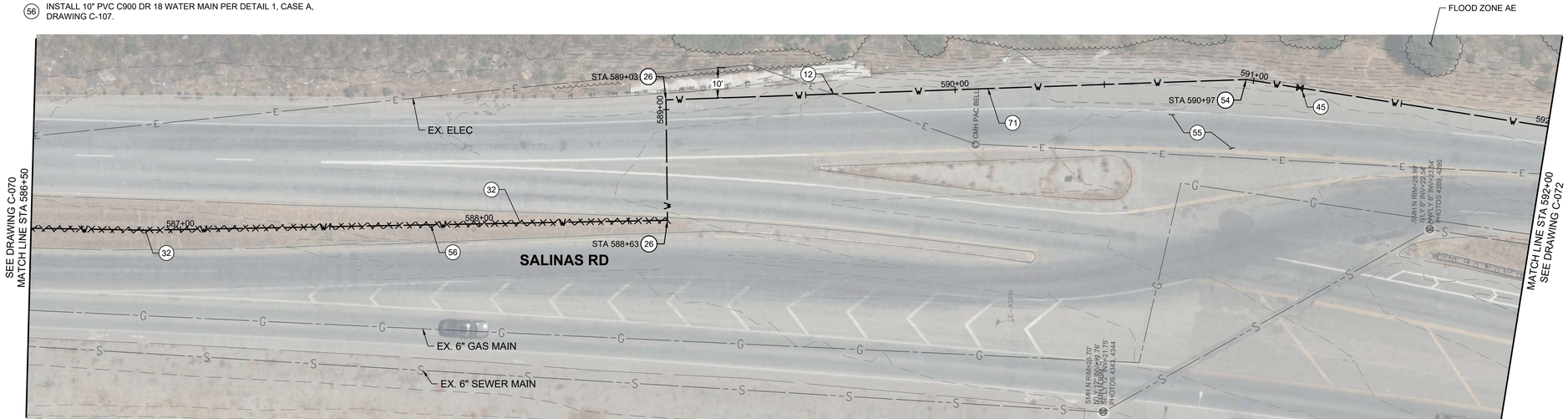
(26) INSTALL 10" 90-DEGREE D.I. FITTING (MJ) WITH THRUST BLOCK PER STANDARD PLAN NO. 3-08.01.

(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

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

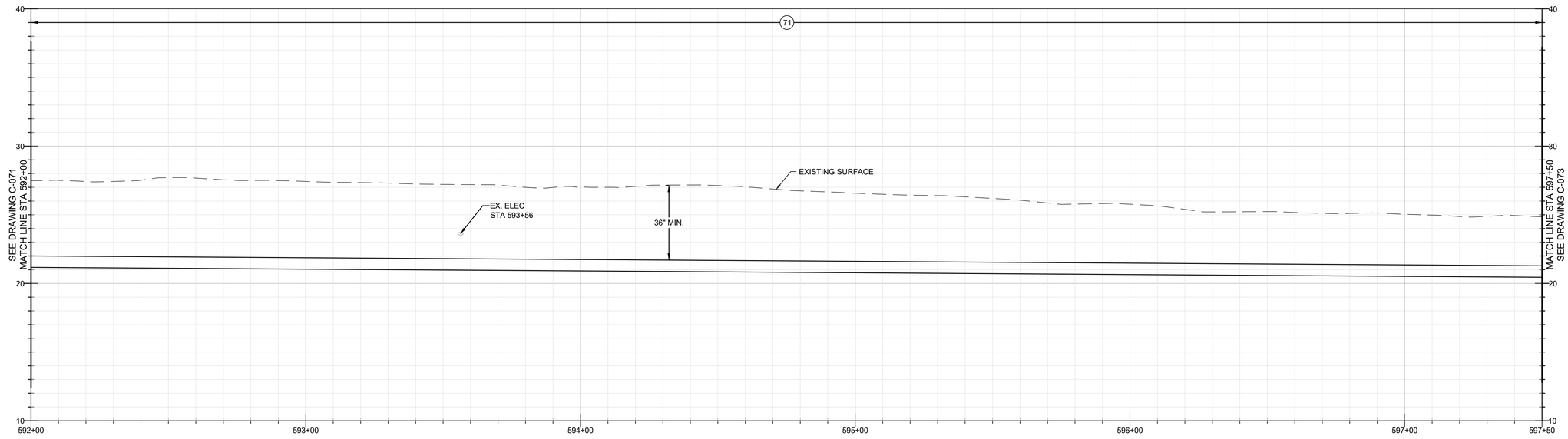
SALINAS ROAD WATER PIPELINE PLAN AND PROFILE - STA 586+50 TO STA 592+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-071

SHEET NUMBER
76 OF 158

Tue 10 Mar 26 07:34:49 PM By: Kelly Diego
C:\Bluebeam Projects\CWTRC - Community Water Center\CWTRC.200476.05 PWSD Proj\C-ENG\Sheets\Base Plans\Plan And Profile - 11.dwg



PROFILE

20' 0' 20'

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

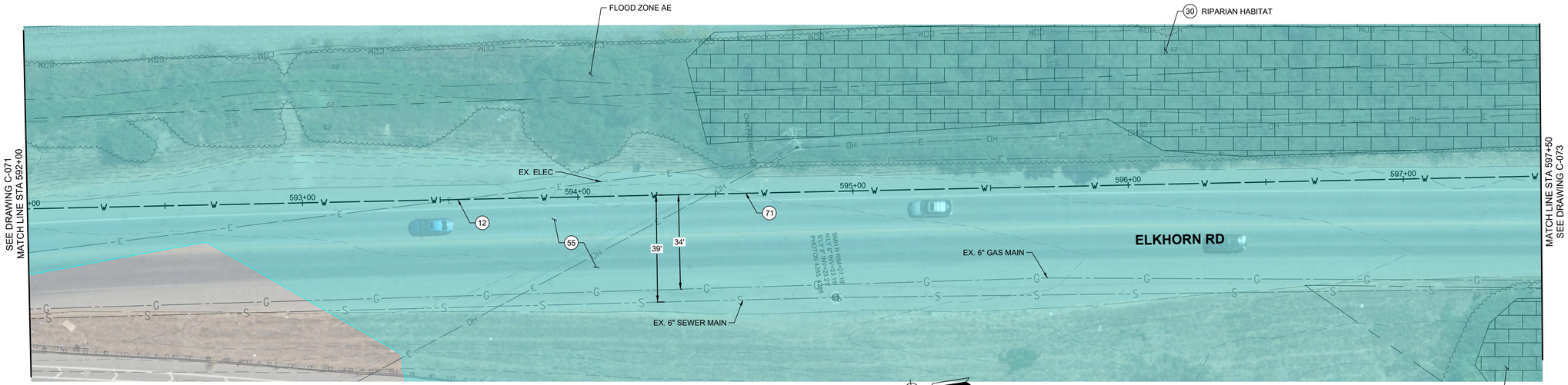
CONSTRUCTION KEY NOTES

(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

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

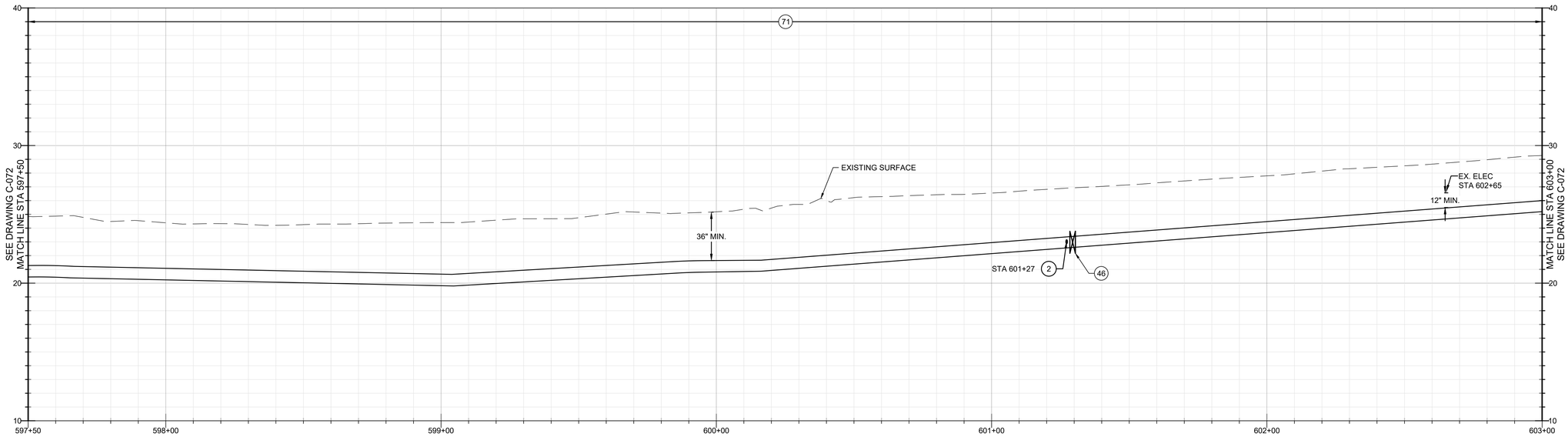
ELKHORN ROAD WATER PIPELINE PLAN AND PROFILE - STA 592+00 TO STA 597+50

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-Diego



PROFILE

20' 0' 20'

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

CONSTRUCTION KEY NOTES

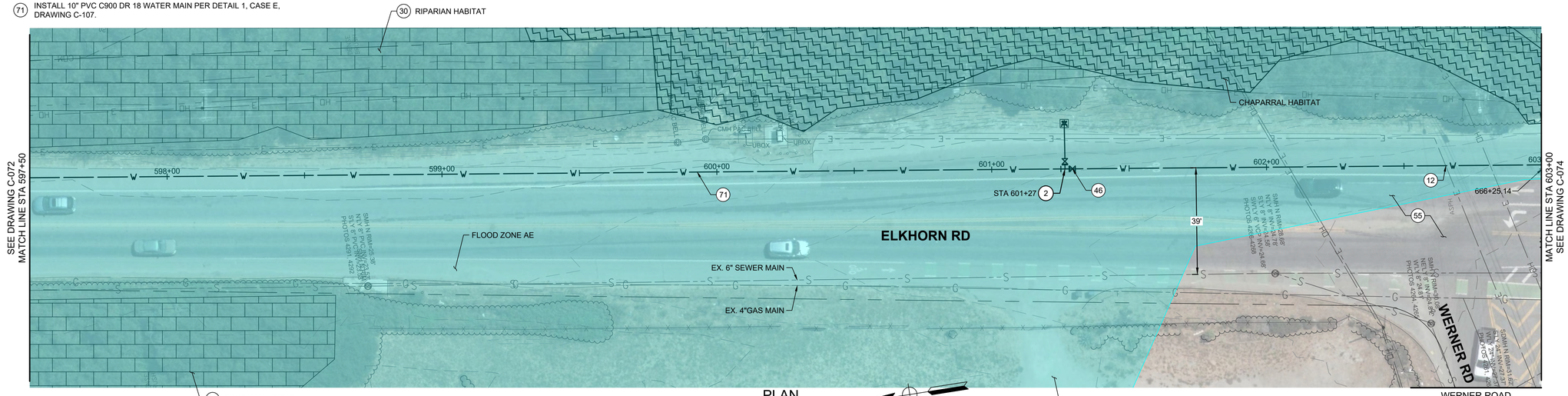
(2) INSTALL FIRE HYDRANT, BURY, AND LATERAL PER STANDARD NO. 3-10.01. INSTALL HYDRANT PAD AND TRAFFIC BOLLARDS PER STANDARD PLAN NO. 3-10.03.

(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

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

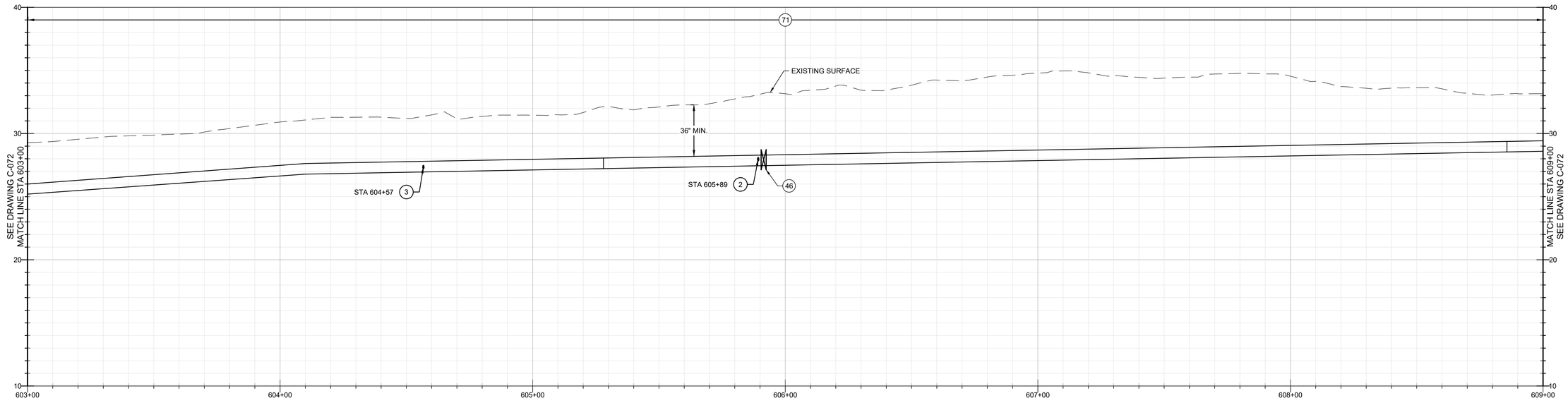
ELKHORN ROAD WATER PIPELINE PLAN AND PROFILE - STA 597+50 TO STA 603+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-073

SHEET NUMBER
78 OF 158

© Dbx/Projects/CWTRC - Community Water Center/CWTRC.200476.05 PSMS Proj Eng/_CAD/3 Sheet/Water 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.

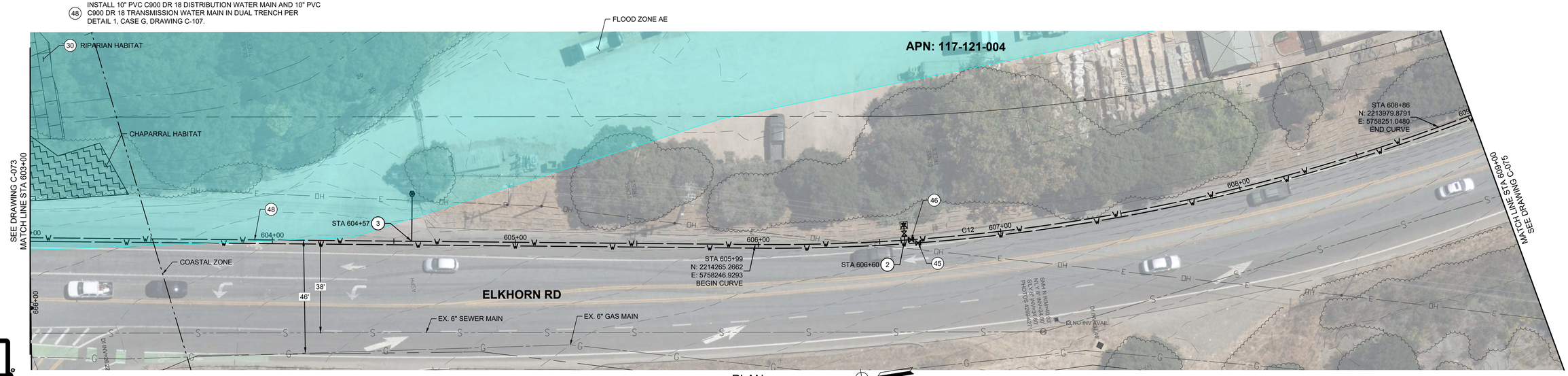
(3) INSTALL 1" WATER SERVICE, 3/4" METER, AND METER BOX PER STANDARD PLAN NO. 3-02.03 AND DETAIL 1, CASE F, DRAWING C-107. REFER TO DRAWINGS C-078 THROUGH C-097 FOR PRIVATE LATERAL PLAN.

(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'

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

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

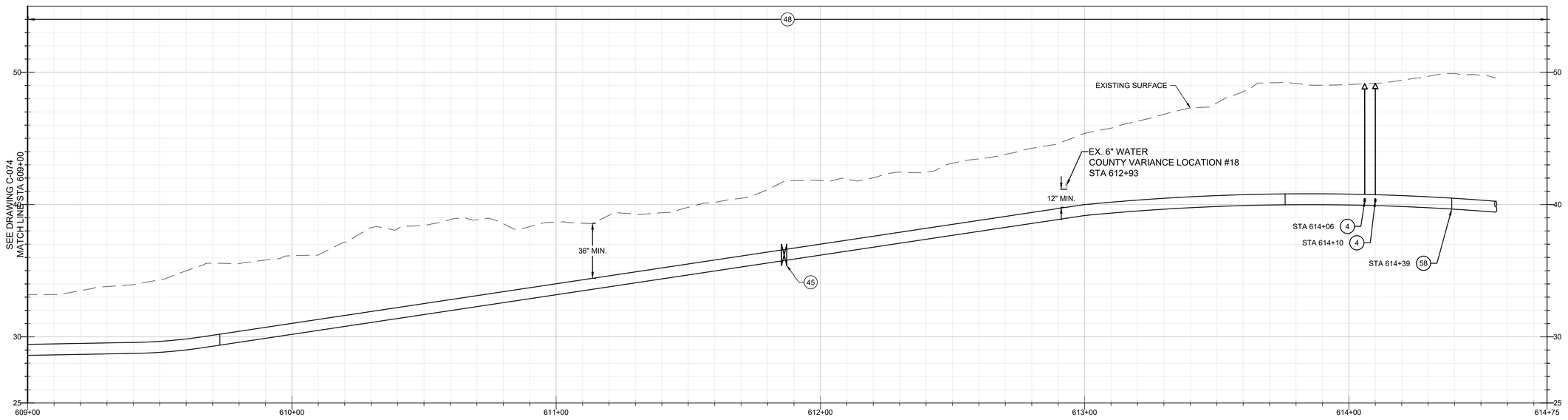
ELKHORN ROAD DUAL WATER PIPELINE PLAN AND PROFILE - STA 603+00 TO STA 609+00

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-074

SHEET NUMBER
79 OF 158

C:\Dev\Projects\CWTRC - Community Water Ocean\CWTRC.200476.05\1583 Proj\Eng (CAD)\Sheet\Water Pipeline Plan And Profile - 20.dwg
Wed 11 Mar 26 08:41:32 AM by Alby Dago



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.

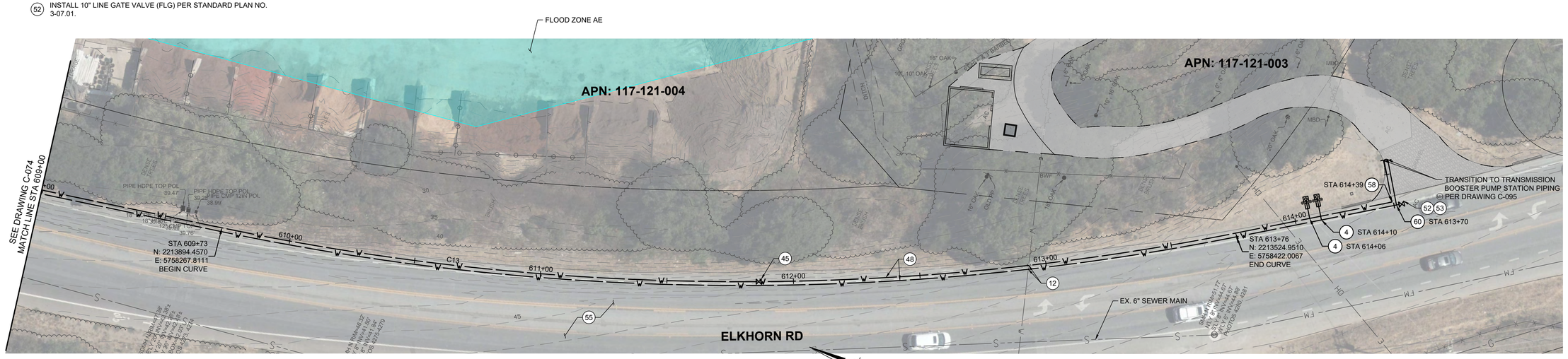
(55) REINSTATE STREET STRIPING DISTURBED BY CONSTRUCTION IN KIND, TO MATCH EXISTING CONDITION.

(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.

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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

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

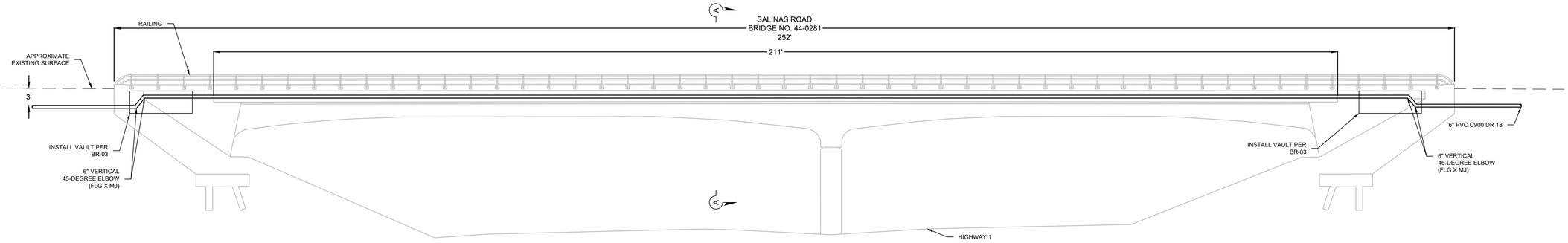
ELKHORN ROAD WATER PIPELINE PLAN AND PROFILE - STA 609+00 TO STA 614+75

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-075

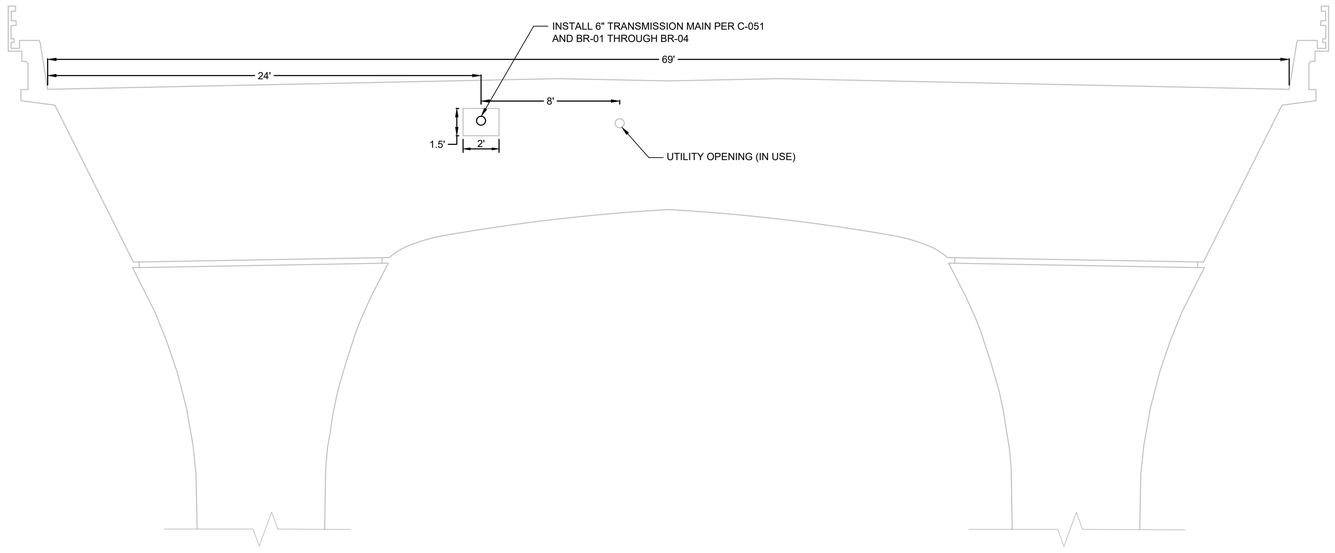
SHEET NUMBER
80 OF 158

Wed 11 Dec 24 08:11:02 AM by Kelly Diego
C:\Bluebeam Projects\CWTRC - Community Water Center\CWTRC.200476.05 PSMS Prof Engr_CADD Sheets\Base Plans Not Profile - 24.dwg



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

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

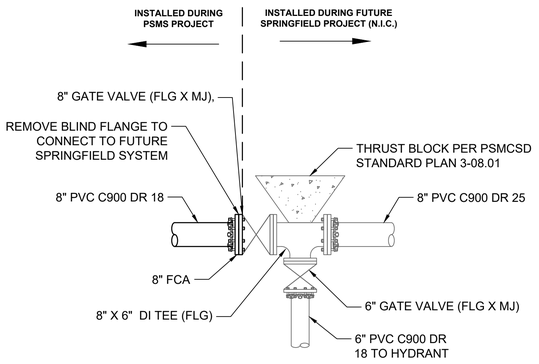
CALTRANS CROSSING DETAILS

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-076

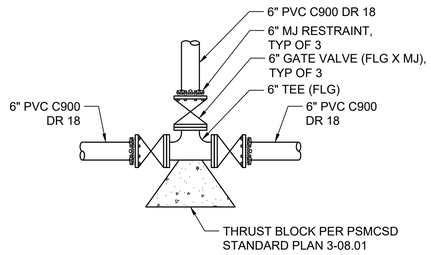
SHEET NUMBER
81 OF **158**

Wed, 28 Jan 26 13:21:28 Plot by: Hope Mallory
C:\Box\Projects\Pajaro - Community Water Consolidation_200476.05 Plans Proj\3 Eng_CAD\3 Sheets\Caltrans Crossing Details.dwg



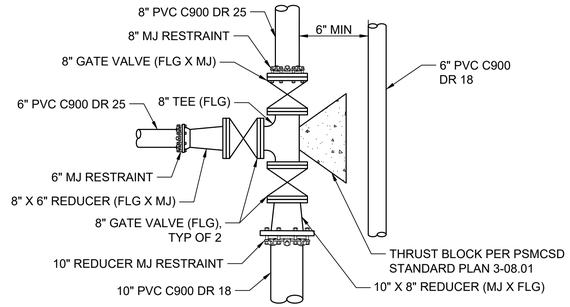
CONNECTION DETAIL STA 86+93.46 — 1 / C-006

SCALE: 1" = 2'



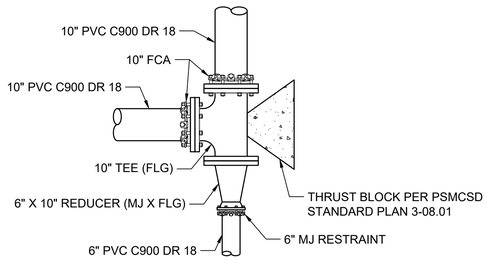
CONNECTION DETAIL STA 157+90 = STA 210+00 — 2 / C-008,C-016

SCALE: 1" = 2'



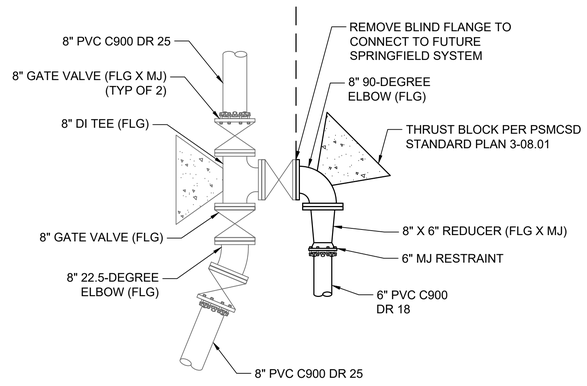
CONNECTION DETAIL STA 197+52 = STA 255+41 — 3 / C-015,C-021

SCALE: 1" = 2'



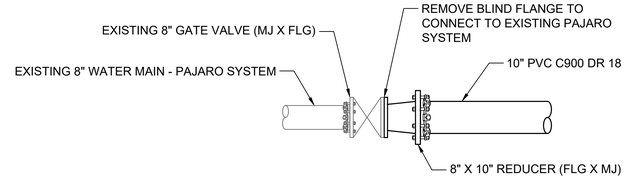
CONNECTION DETAIL STA 253+27 — 4 / C-021

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'

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

CONNECTION DETAILS

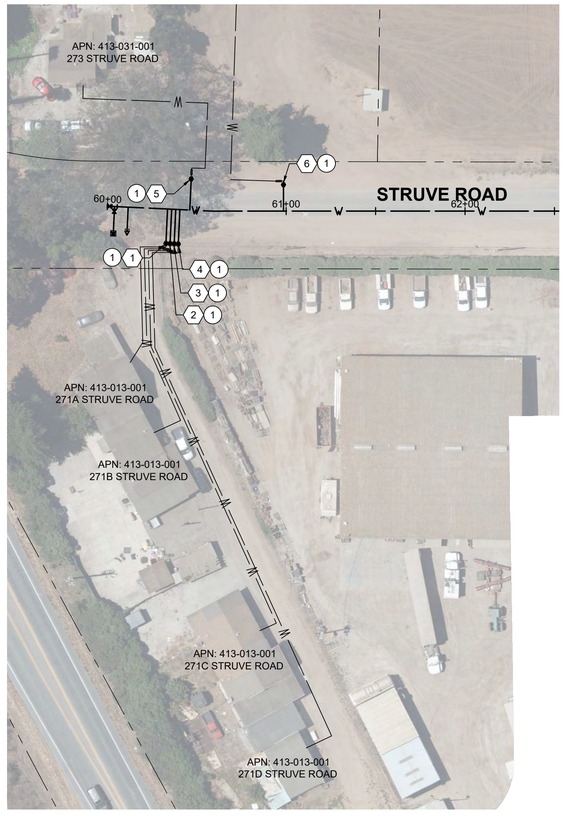
PROJECT NUMBER: CWTRC.200476.05
DRAWING NUMBER: C-077
SHEET NUMBER: 82 OF 158

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Wed 03 Dec 25 07:23:39 AM by: Hope Mahony



SEE BELOW
FOR CONTINUATION

SEE ABOVE
FOR CONTINUATION



SEE RIGHT
FOR CONTINUATION



40' 20' 0' 20' 40'
SCALE: 1" = 40'

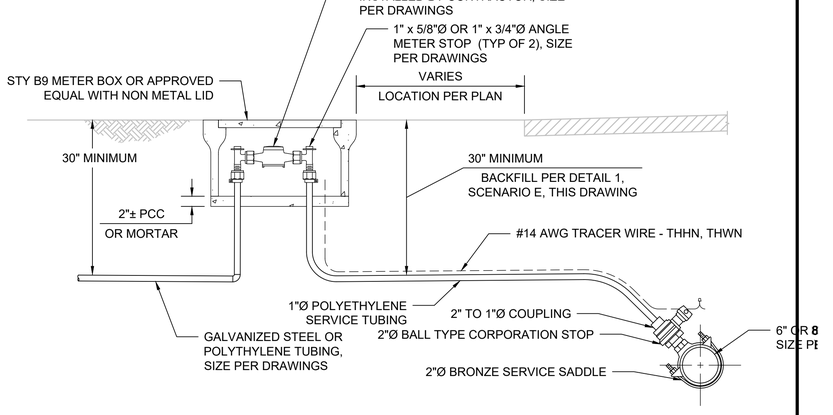
PRIVATE LATERAL LOCATION SCHEDULE				
LABEL NO.	LATERAL SIZE	MAIN STATION	NORTHING	EASTING
1	1"	60+33.69	2194836.8956	5748106.5391
2	1"	60+36.01	2194839.1993	5748106.7094
3	1"	60+38.31	2194841.4921	5748106.8797
4	1"	60+40.59	2194843.7904	5748107.0501
5	1"	60+46.11	2194849.3157	5748107.4596
6	1"	60+98.52	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

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

WATER SERVICE LATERALS - 1

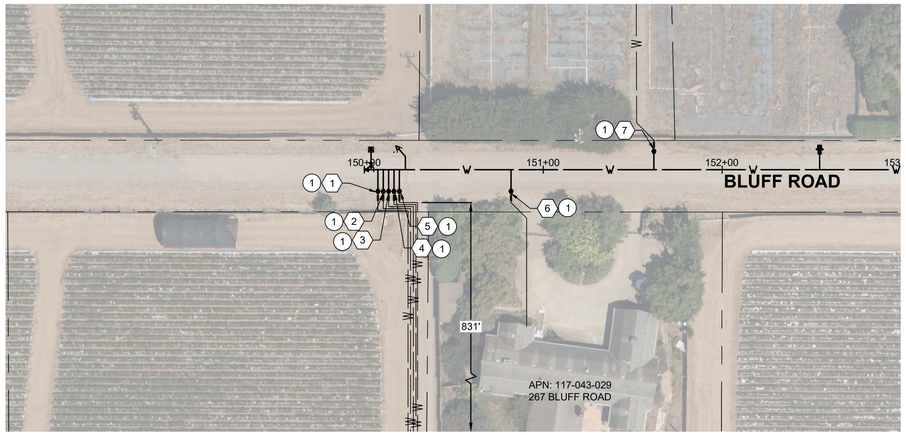
PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-078

SHEET NUMBER
83 OF 158

Fri 13 Jun 25 10:33:24 AM by Dilay Dogu
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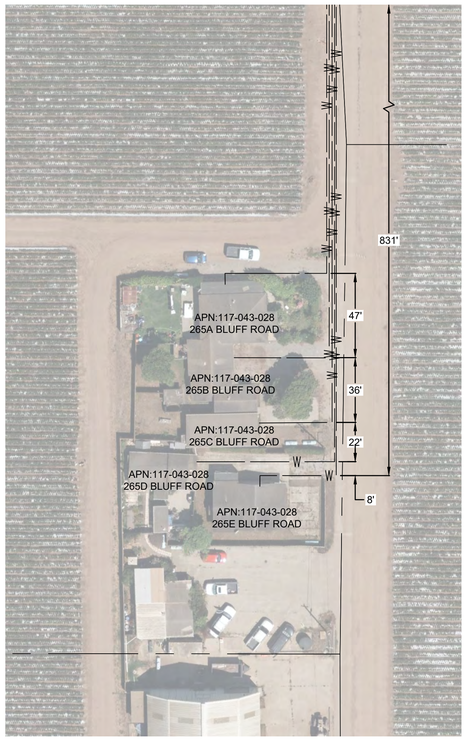
SEE BELOW
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SEE SHEET C-080
FOR CONTINUATION

SEE BELOW
FOR CONTINUATION

SEE ABOVE
FOR CONTINUATION





SEE ABOVE
FOR CONTINUATION

40' 20' 0' 20' 40'
SCALE: 1" = 40'

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

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

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3. REFER TO DETAIL 1, DRAWING C-078 FOR INSTALLATION OF LATERALS.

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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
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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

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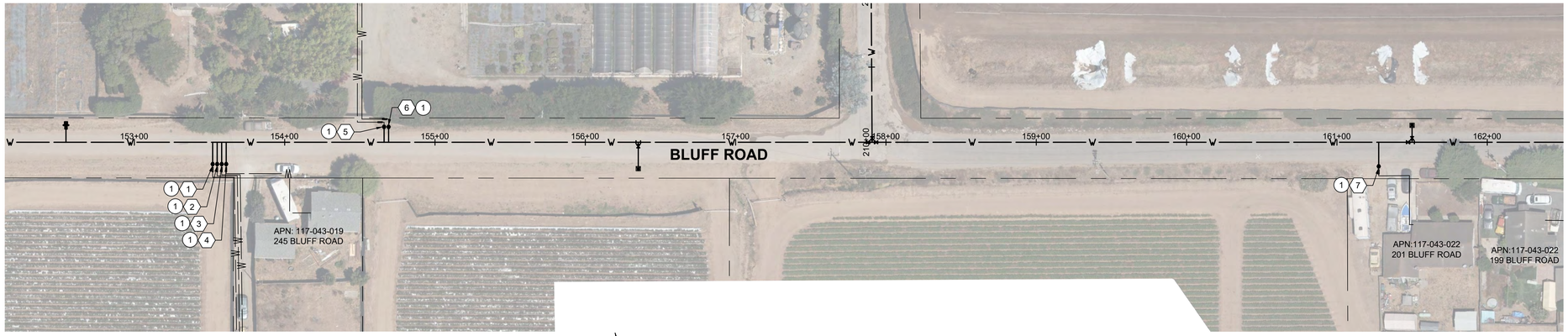
Fri 13 Mar 26 09:33:54 AM By: Riley Dodge



SEE BELOW
FOR CONTINUATION

SEE ABOVE
FOR CONTINUATION

SEE SHEET C-079 FOR CONTINUATION

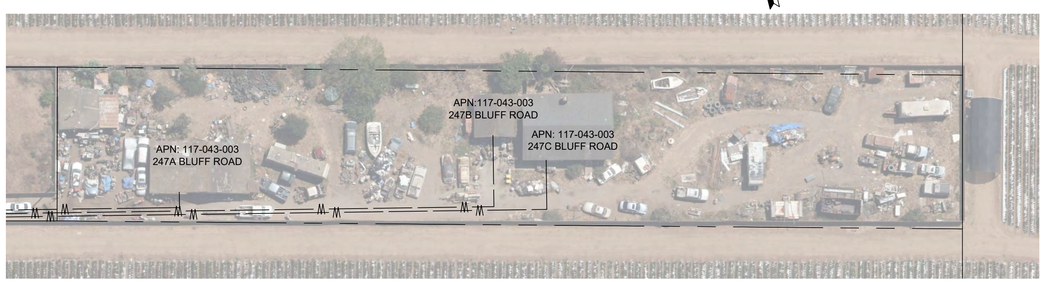


SEE SHEET C-081
FOR CONTINUATION

SEE BELOW
FOR CONTINUATION

40' 20' 0' 20' 40'
SCALE: 1" = 40'

SEE ABOVE
FOR CONTINUATION



40' 20' 0' 20' 40'
SCALE: 1" = 40'

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.
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3. REFER TO DETAIL 1, DRAWING C-078 FOR INSTALLATION OF LATERALS.

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

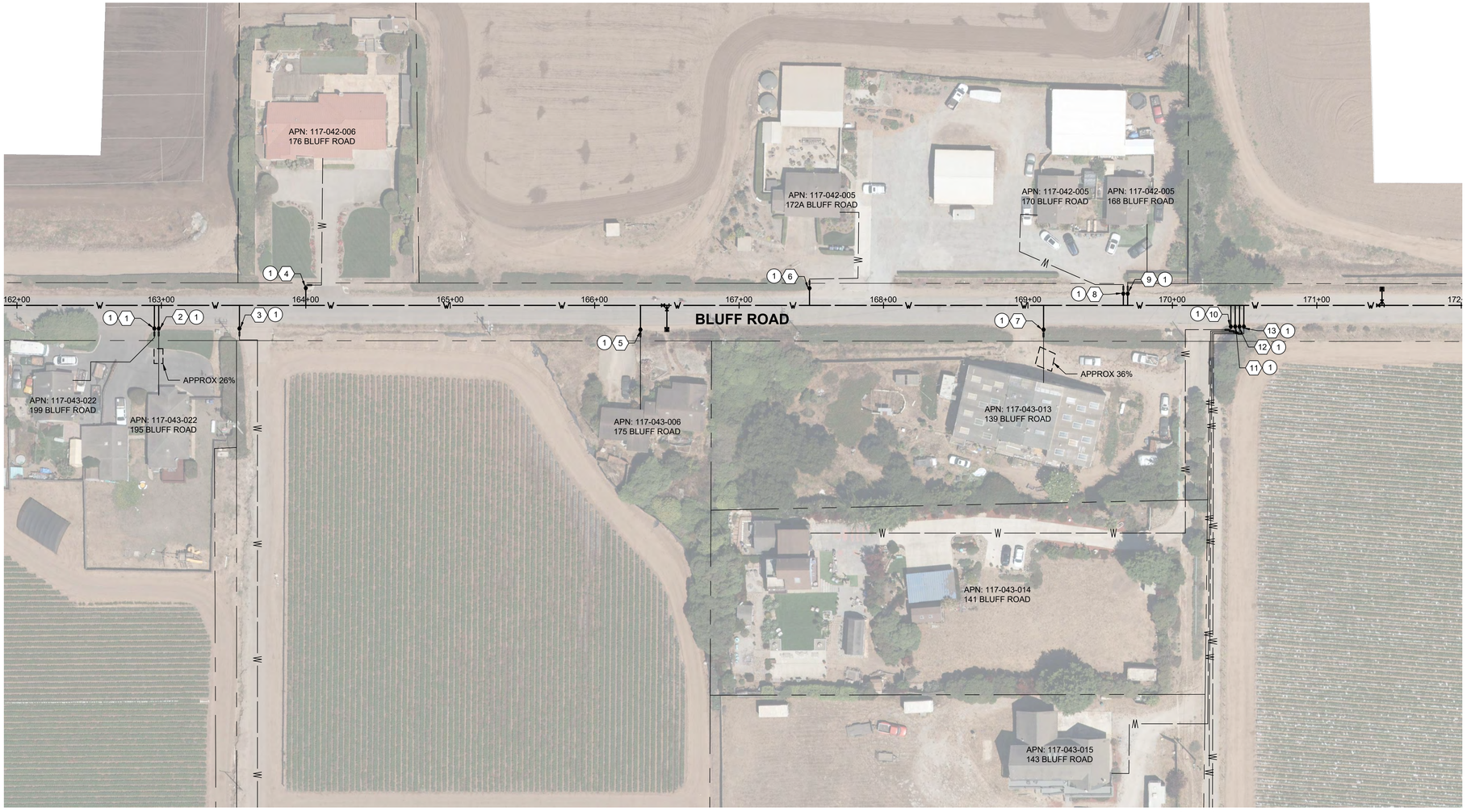
WATER SERVICE LATERALS - 3

PROJECT NUMBER
CWTRC.200476.05

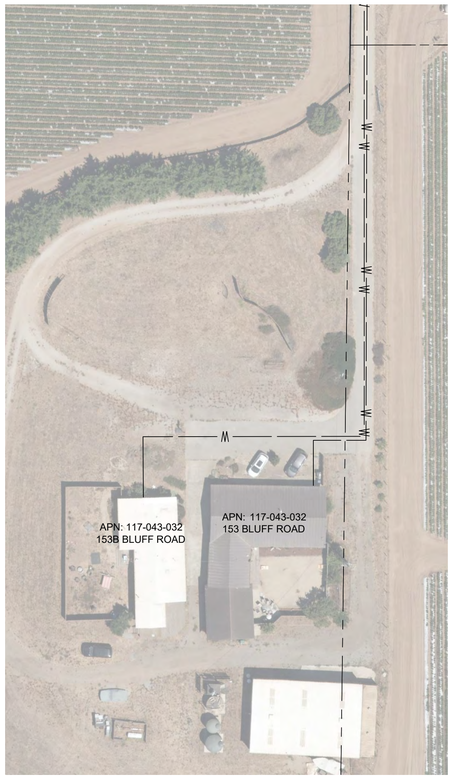
DRAWING NUMBER
C-080

SHEET NUMBER
85 OF 158

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Fri 13:Mar 26 - 09:33:24 AM By: Diego







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.
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3. REFER TO DETAIL 1, DRAWING C-078 FOR INSTALLATION OF LATERALS.

40' 20' 0' 20' 40'
SCALE: 1" = 40'

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San Luis Obispo, CA 93401
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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

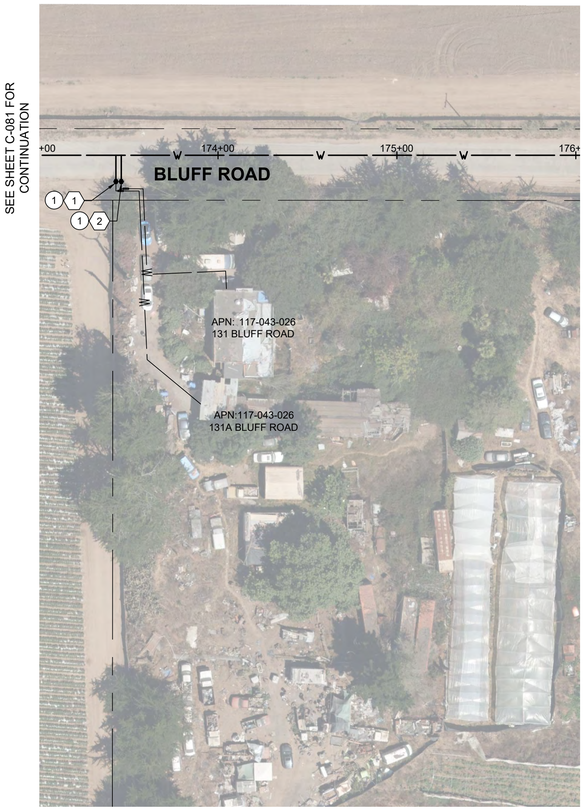
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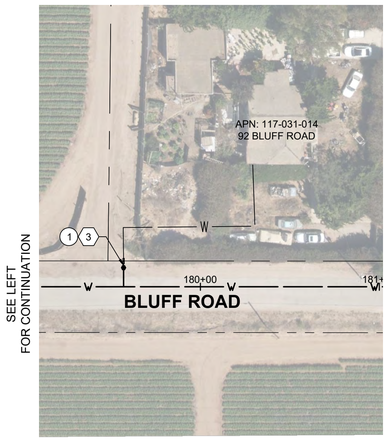
PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

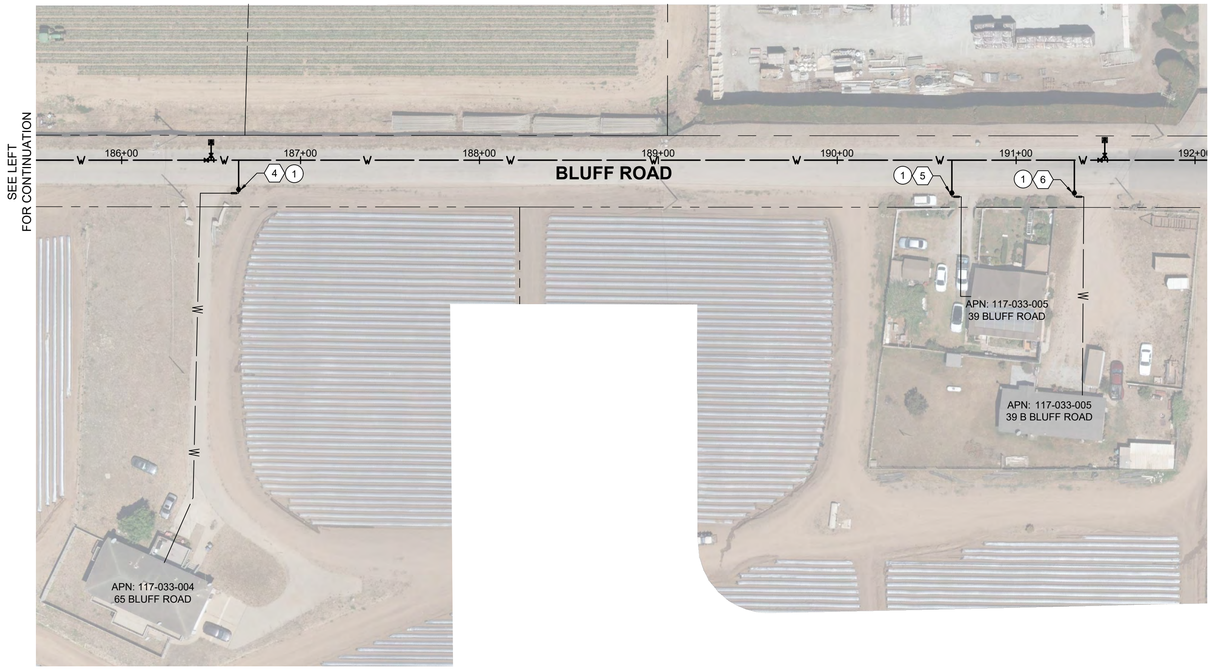
WATER SERVICE LATERALS - 4

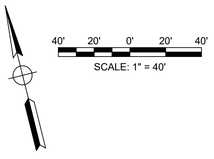
PROJECT NUMBER CWTRC.200476.05
DRAWING NUMBER C-081
SHEET NUMBER 86 OF 158

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Fri 13 Mar 26 - 09:30:54 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.

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3. REFER TO DETAIL 1, DRAWING C-078 FOR INSTALLATION OF LATERALS.

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Fri 13 Mar 26 09:55:24 AM By: Riley Dodge

REV	DATE	BY	DESCRIPTION

MNS
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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

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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





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.

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

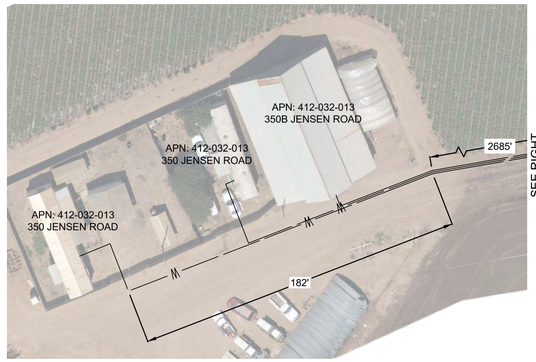
WATER SERVICE LATERALS - 6

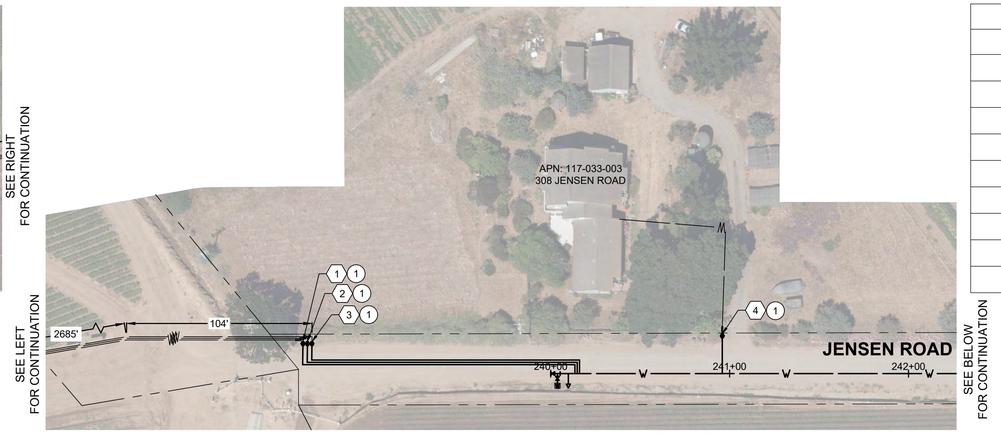
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CWTRC.200476.05

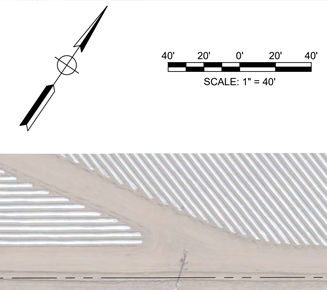
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C-083

SHEET NUMBER
88 OF 158

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Fri 1/26/26 04:13:24 PM by JaMyn Kreda







40' 20' 0' 20' 40'
SCALE: 1" = 40'

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.

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

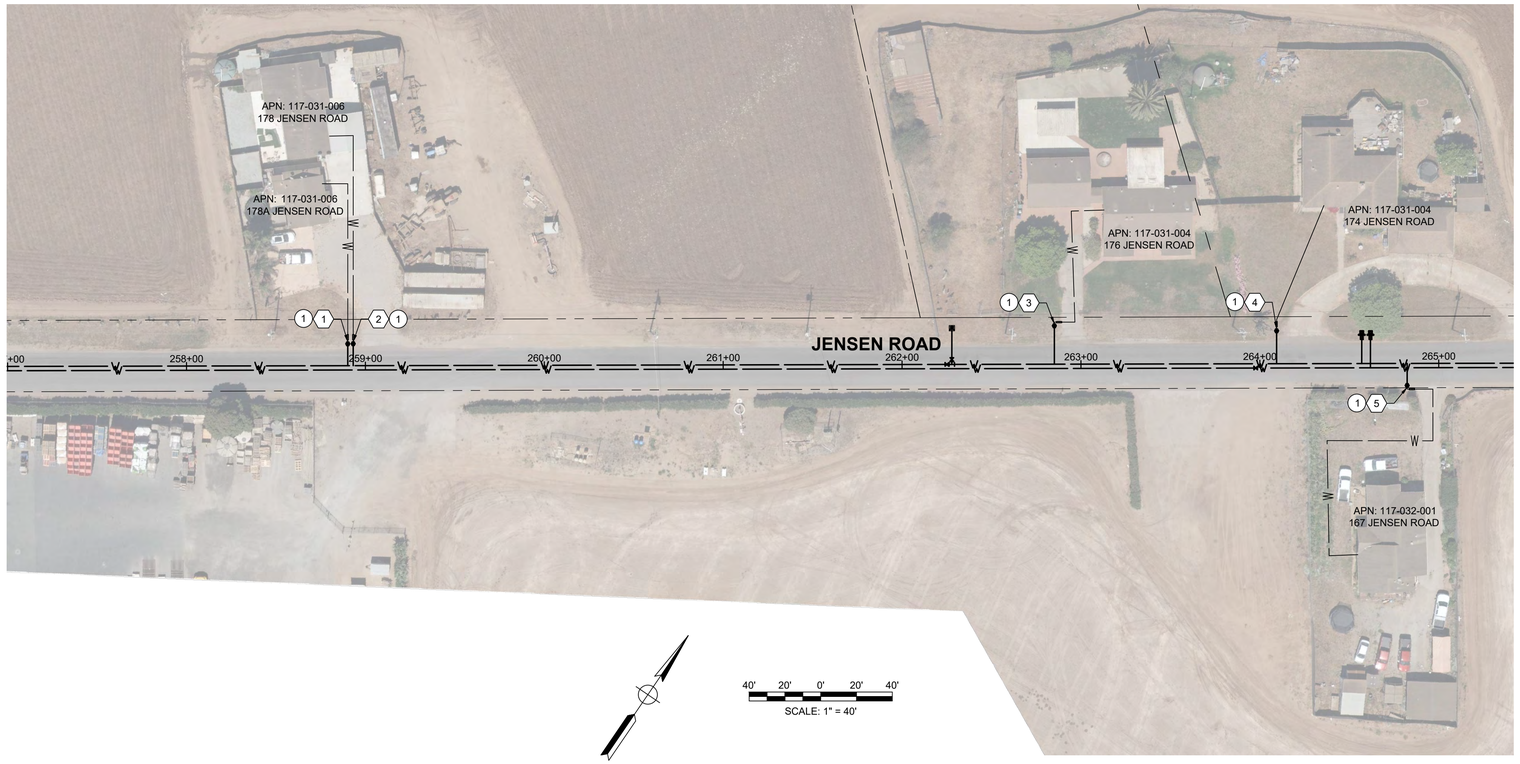
WATER SERVICE LATERALS - 7

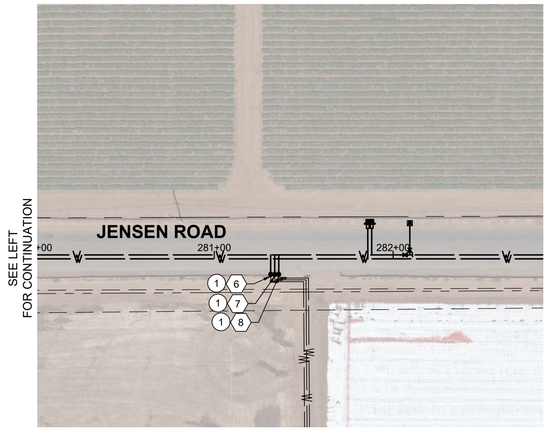
PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-084

SHEET NUMBER
89 OF 158

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Fri 13 Mar 26 09:33:54 AM by VMay (Dwg)







CONSTRUCTION NOTE

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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

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CONSTRUCTABILITY:

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

1/26/26
DATE

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0 1/2 1 2
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PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

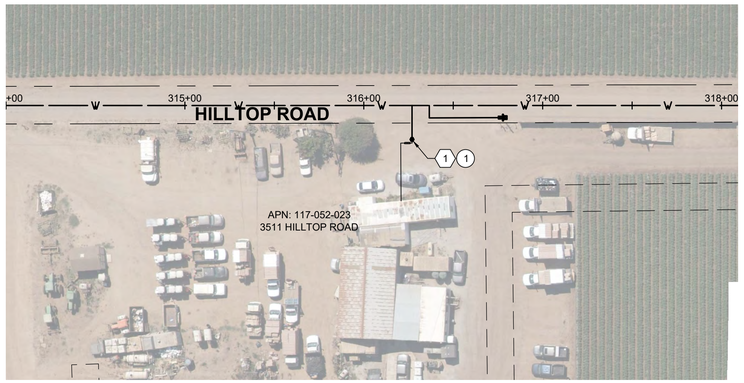
WATER SERVICE LATERALS - 8

PROJECT NUMBER
CWTRC.200476.05

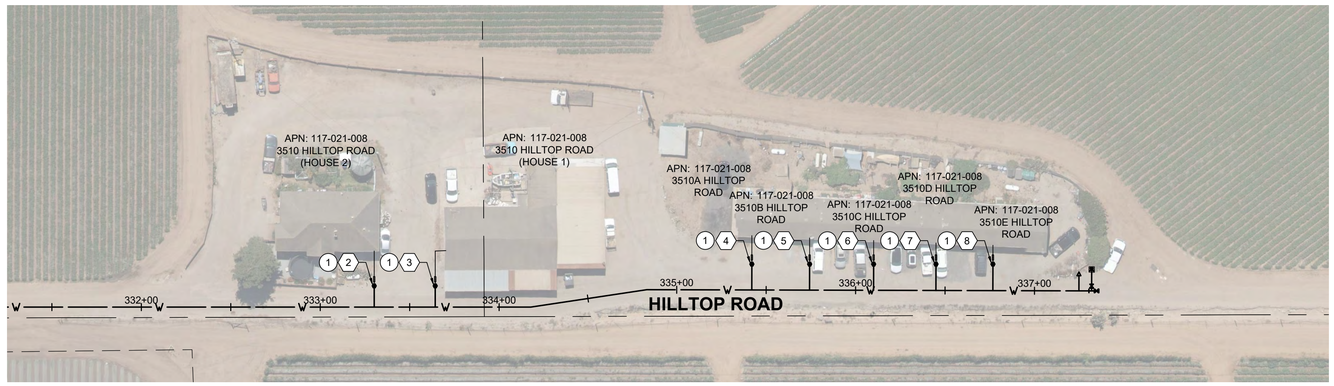
DRAWING NUMBER
C-085

SHEET NUMBER
90 OF 158

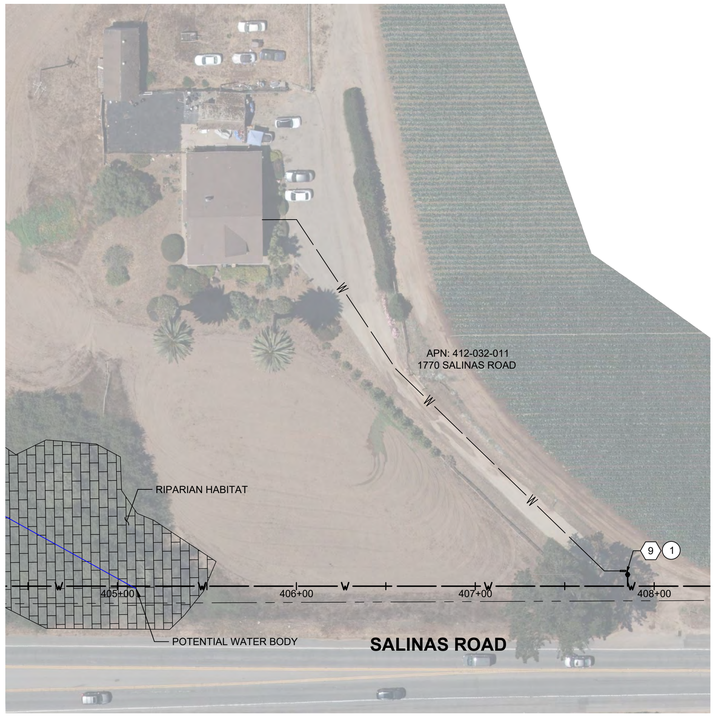
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Fri 13 Mar 26 09:53:16 AM by Riley Paige

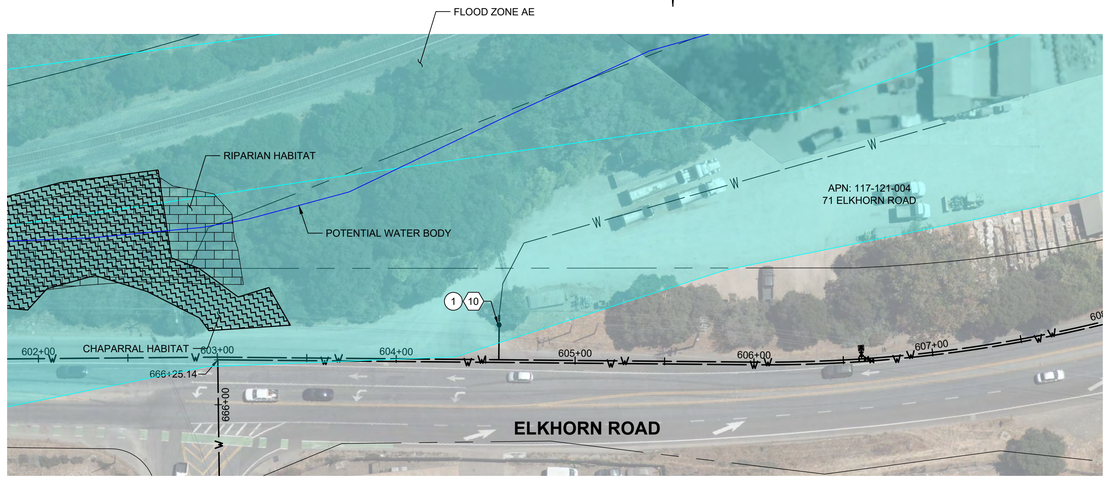


40' 20' 0' 20' 40'
SCALE: 1" = 40'



40' 20' 0' 20' 40'
SCALE: 1" = 40'





40' 20' 0' 20' 40'
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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

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

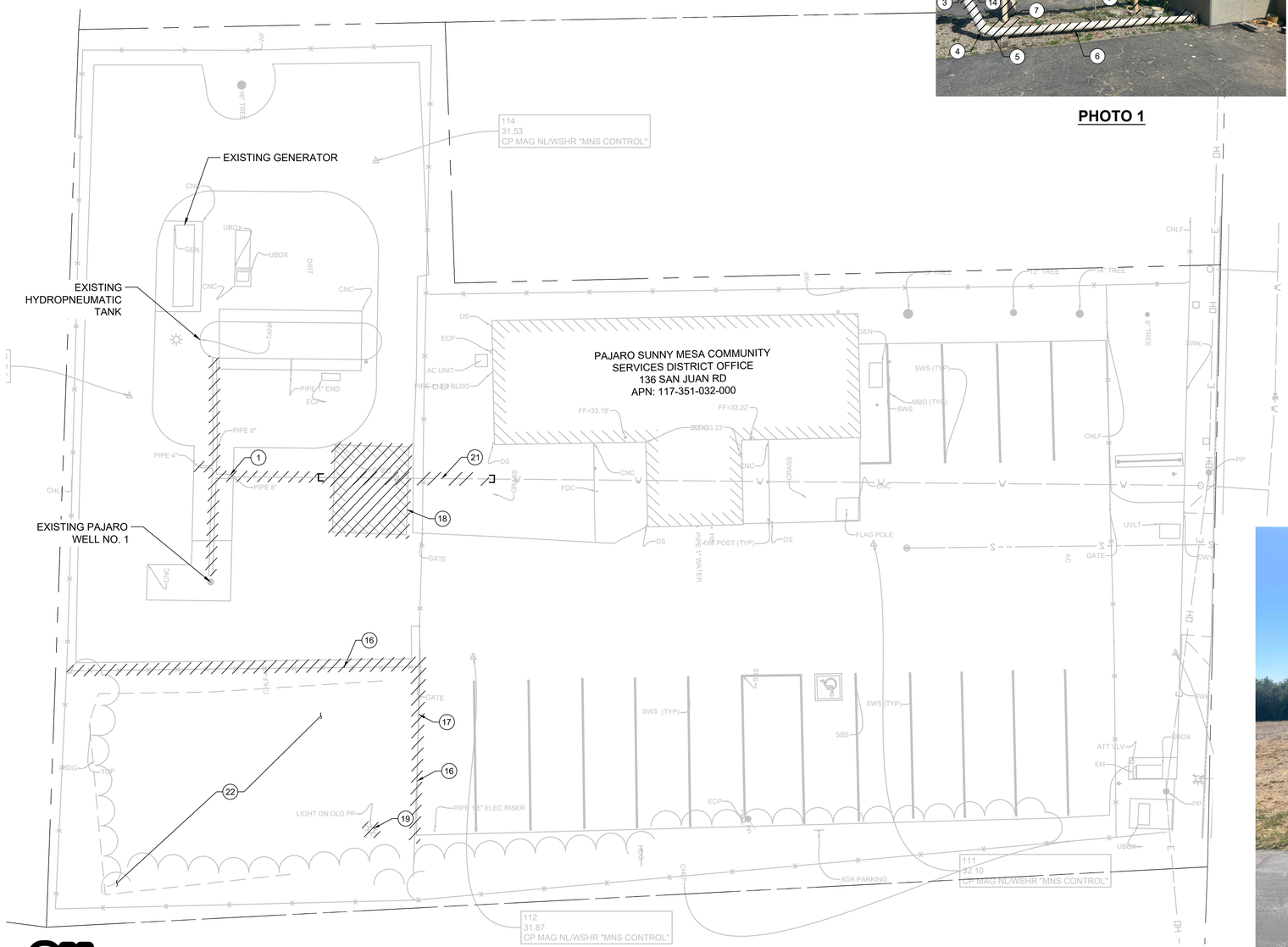
WATER SERVICE LATERALS - 9

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-086

SHEET NUMBER
91 OF 158

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PLAN

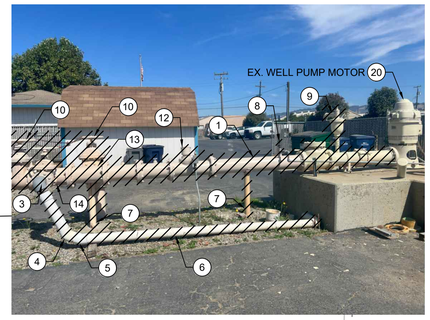


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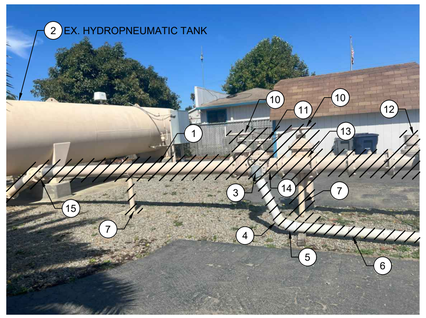


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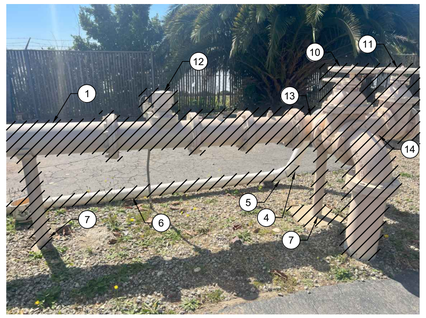


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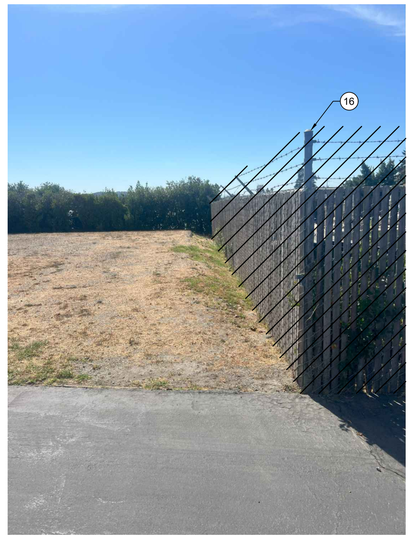


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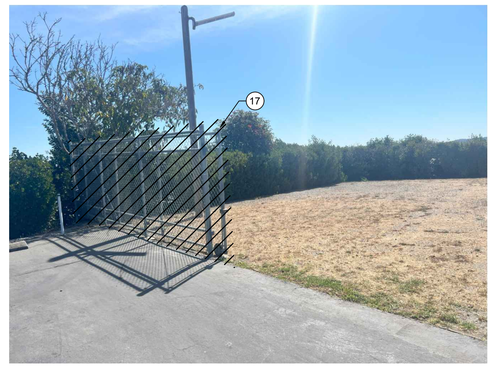


PHOTO 4

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.

Know what's below. Call before you dig.

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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

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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

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Mon, 26 Jan 26 09:45:17 AM by Hope Mahony
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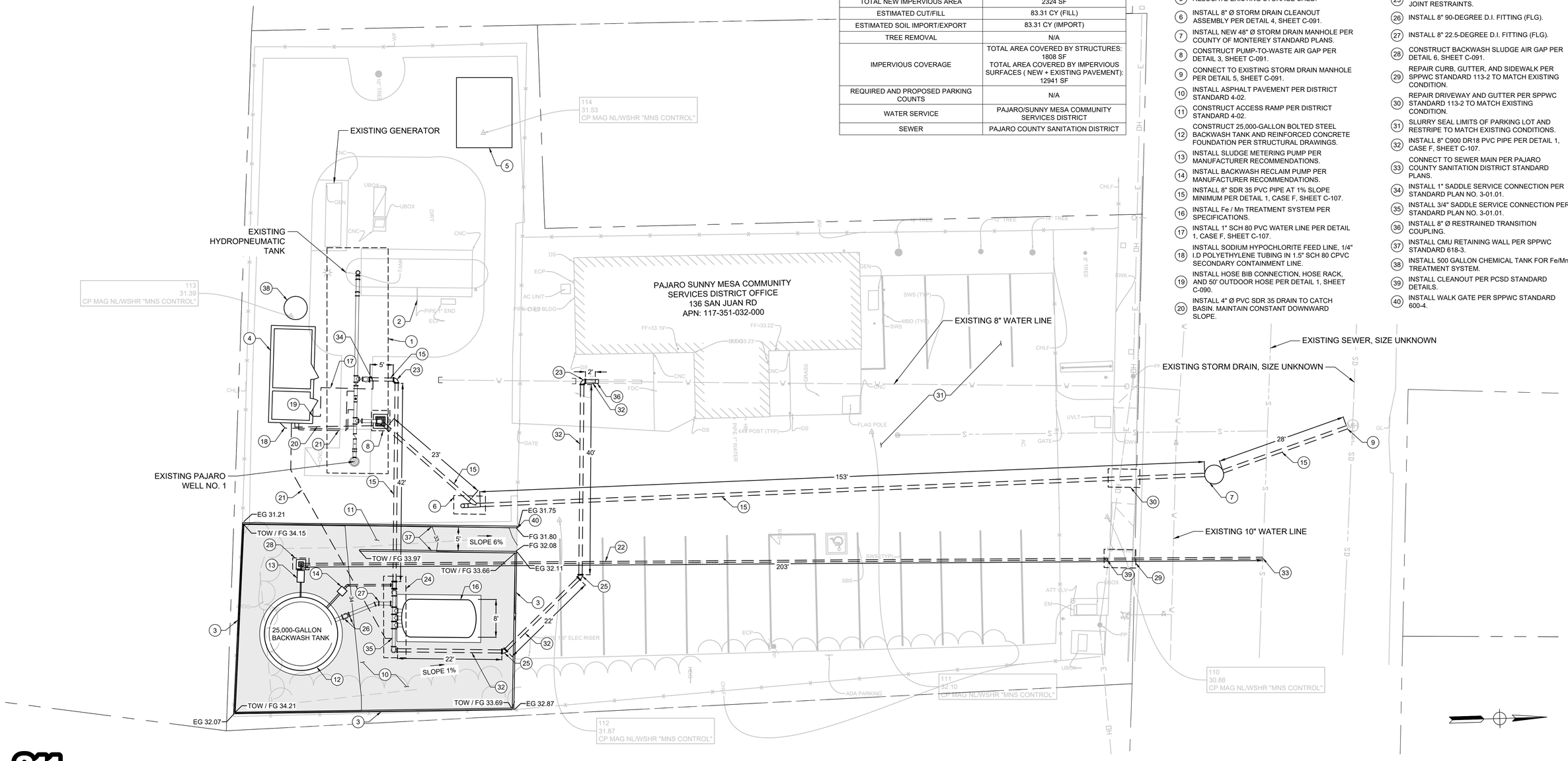
NOTE: ENTIRE SITE IS LOCATION WITHIN THE FEMA FLOOD ZONE DESIGNATION: AO

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.

0 20' 10' 0' 10' 20'
SCALE: 1" = 20'

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

1/26/26
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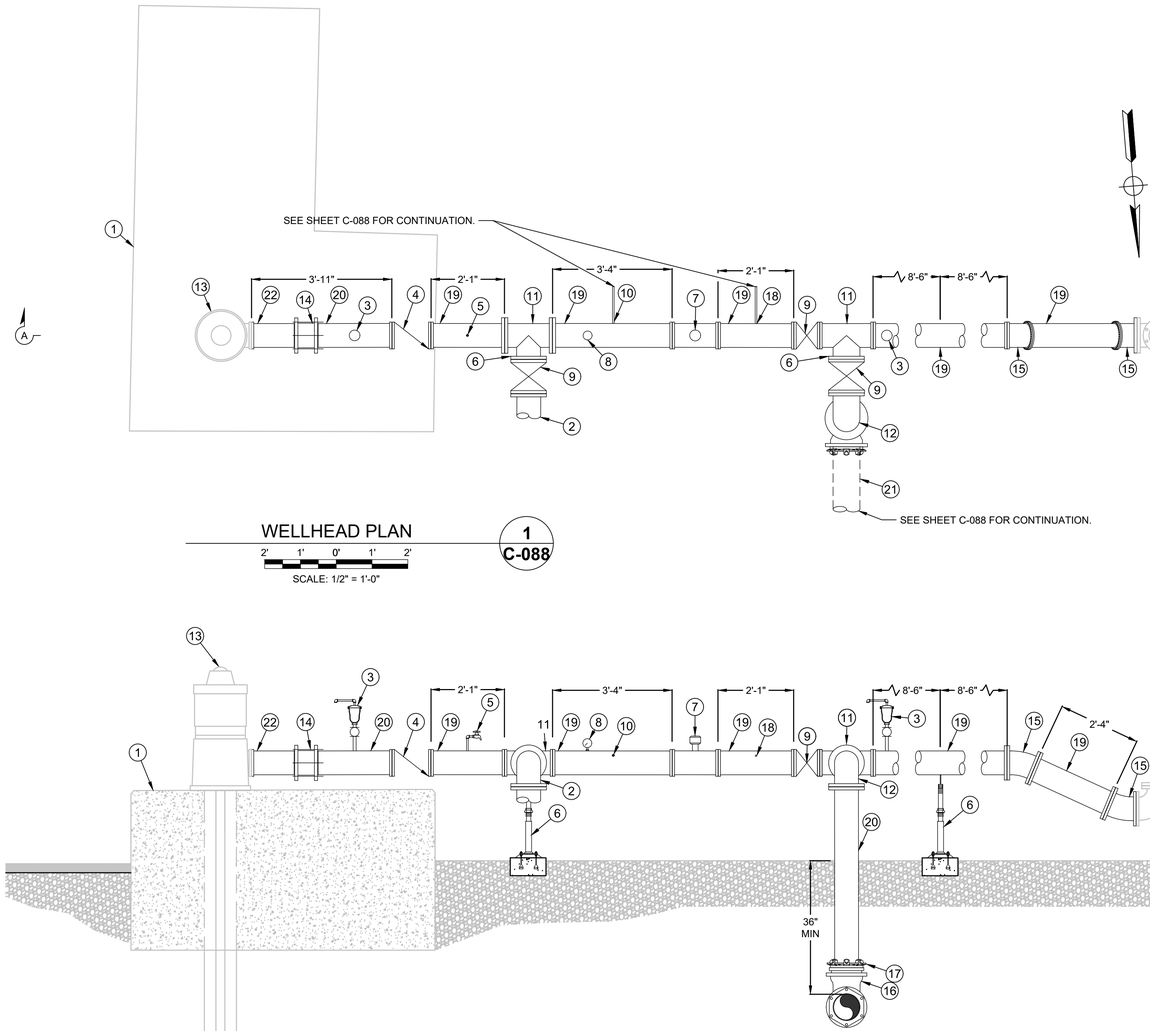
PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

PAJARO WELL NO. 1 SITE PIPING PLAN

PROJECT NUMBER: CWTRC.200476.05
DRAWING NUMBER: C-088
SHEET NUMBER: 93 OF 158

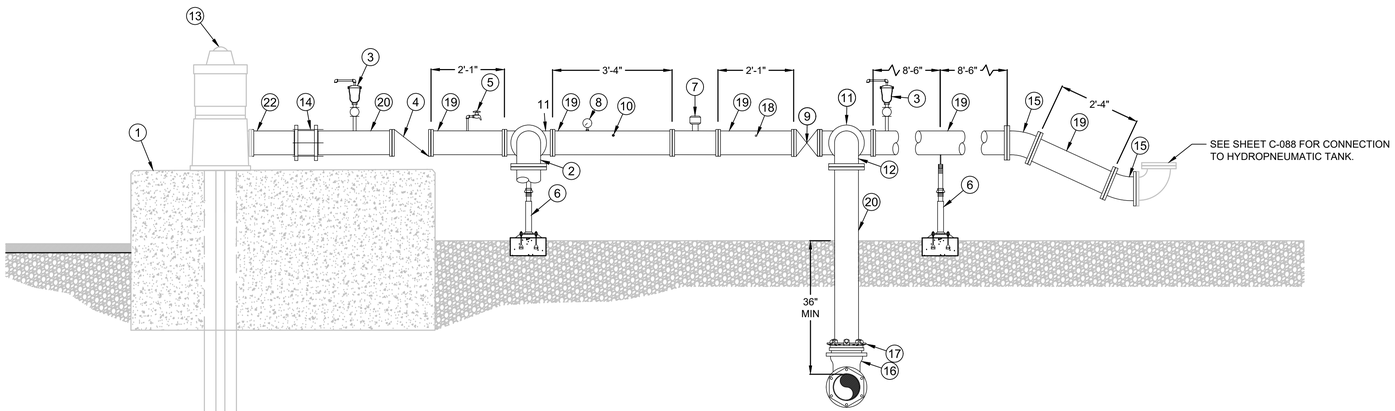
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Fri 13 Mar 26 16:02:45 PM by Jordyn Wells



WELLHEAD PLAN — 1 / C-088

SCALE: 1/2" = 1'-0"

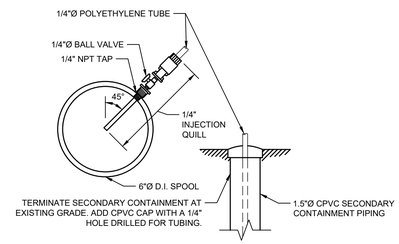


WELLHEAD SECTION — A / C-088

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

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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

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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

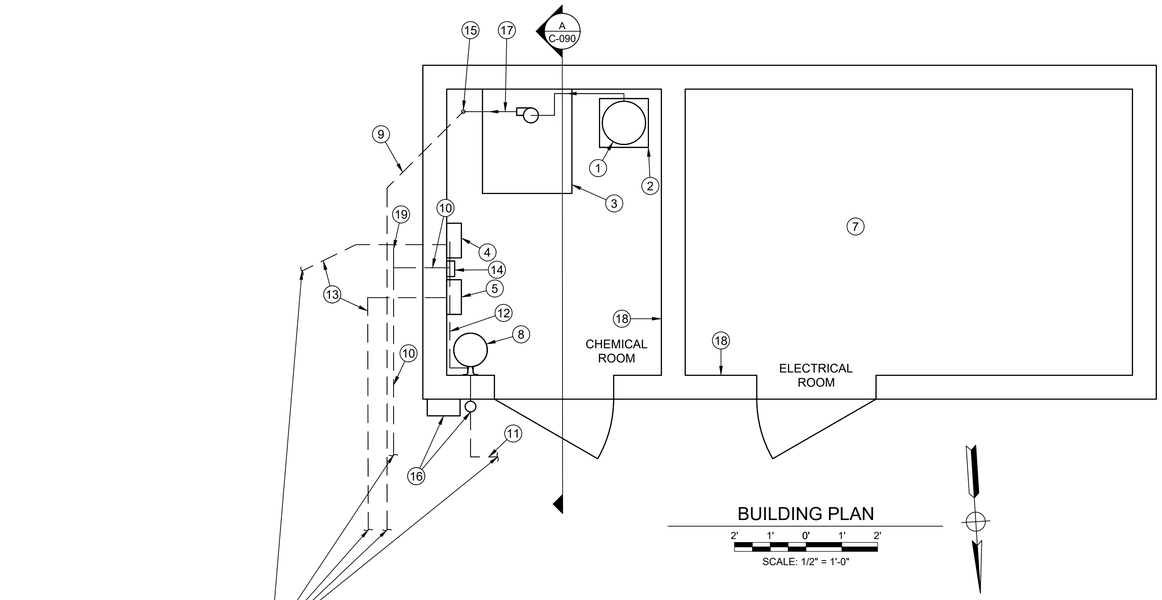
DRAWING NUMBER: C-089

SHEET NUMBER: 94 OF 158

Thu, 04 Dec 25 - 10:34:49 PM by: Paige Mahony
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PARTS LIST

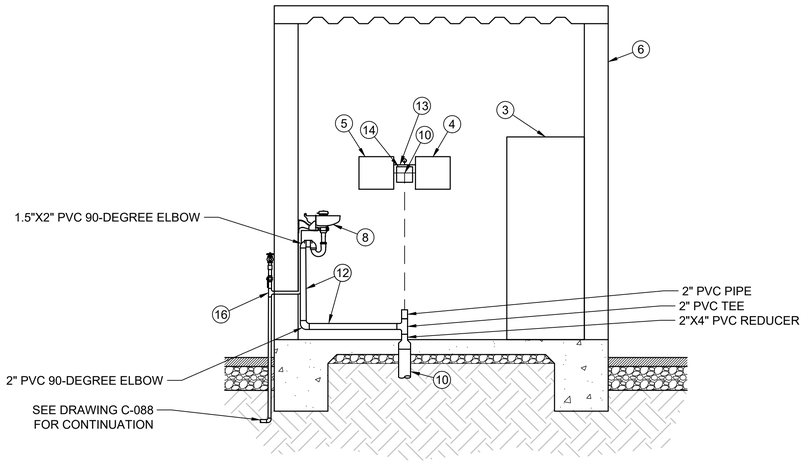
1. 15-GAL 12.5% SODIUM HYPOCHLORITE STORAGE DRUM.
2. SECONDARY CHEMICAL CONTAINMENT PAD.
3. FLOOR-MOUNTED SODIUM HYPOCHLORITE DOSING SKID AND DOSING PUMP.
4. CHLORINE ANALYZER.
5. TURBIDIMETER.
6. CMU BUILDING AND BUILDING FOUNDATION PER STRUCTURAL DRAWING S-06.
7. SEE ELECTRICAL DRAWINGS.
8. EYE WASH 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"

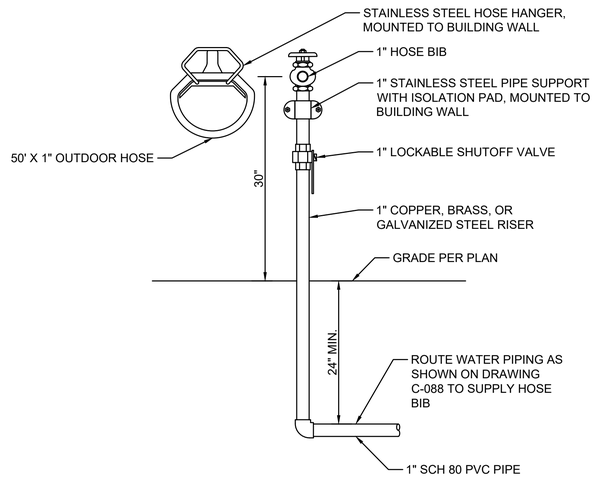


BUILDING SECTION A-A

2' 1' 0' 1' 2'

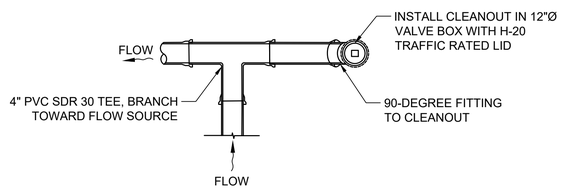
SCALE: 1/2" = 1'-0"

A C-090



HOSE BIB AND RACK DETAIL 1

N.T.S.



DRAIN CLEANOUT DETAIL 2

N.T.S.

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

1/26/26
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PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

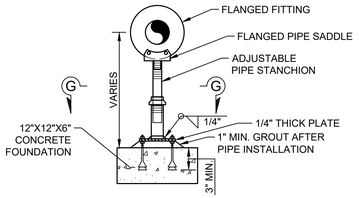
PAJARO WELL NO. 1 SITE CHEMICAL ELECTRICAL BUILDING PLAN & SECTION

PROJECT NUMBER
CWTRC.200476.05

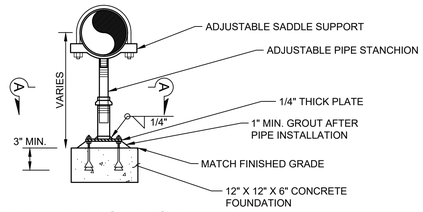
DRAWING NUMBER
C-090

SHEET NUMBER
95 OF **158**

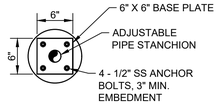
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FLANGE PIPE SUPPORT



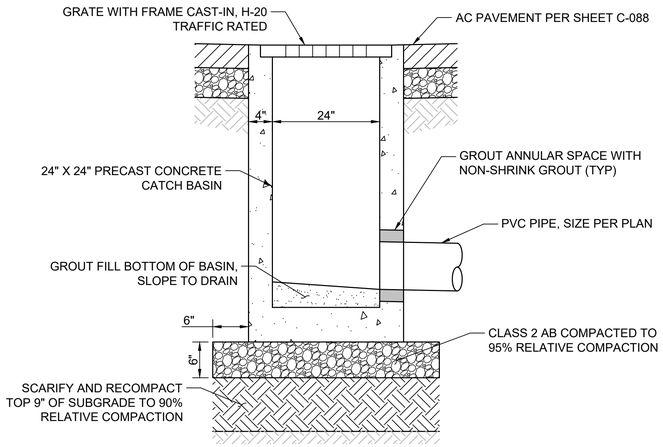
SADDLE PIPE SUPPORT



SECTION A-A

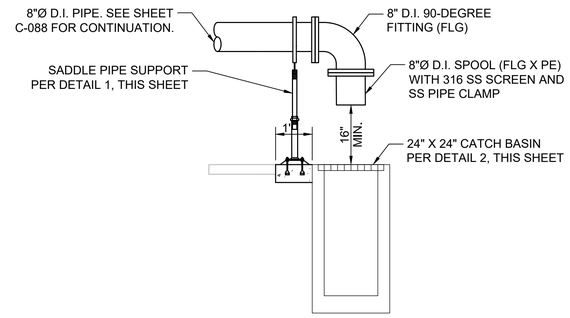
1 C-089 **PIPE SUPPORT DETAIL**

SCALE: 1" = 1'-0"



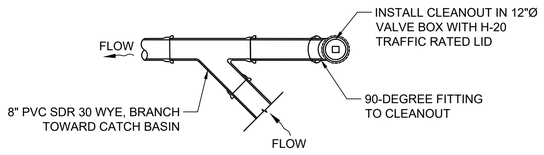
2 C-088 **24" X 24" CATCH BASIN DETAIL**

SCALE: NTS



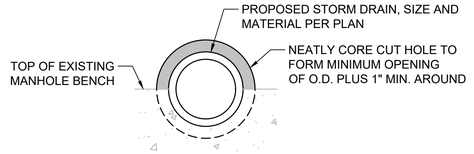
3 C-088 **WELL PUMP-TO-WASTE DETAIL**

SCALE: NTS

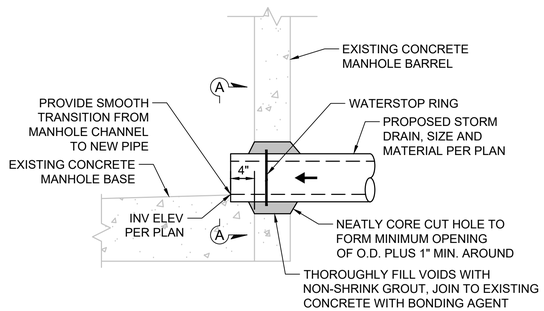


4 C-088 **STORM DRAIN CLEANOUT DETAIL**

SCALE: NTS

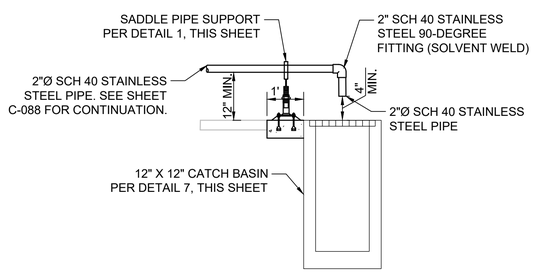


SECTION A-A



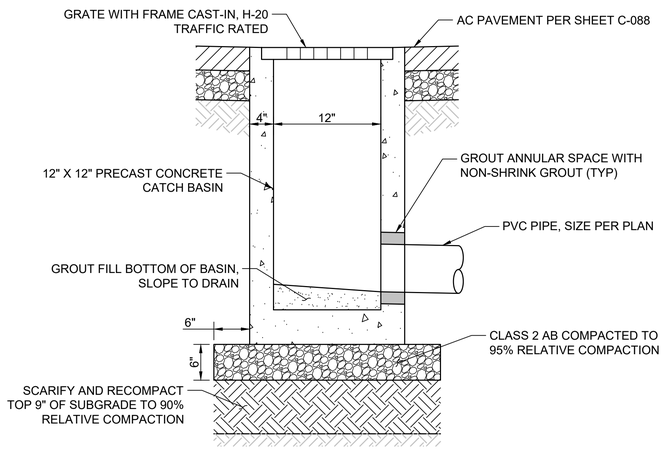
5 C-088 **EXISTING MANHOLE CONNECTION DETAIL**

SCALE: NTS



6 C-088 **BACKWASH TANK SLUDGE DISCHARGE DETAIL**

SCALE: NTS



7 C-088 **12" X 12" CATCH BASIN DETAIL**

SCALE: NTS

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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

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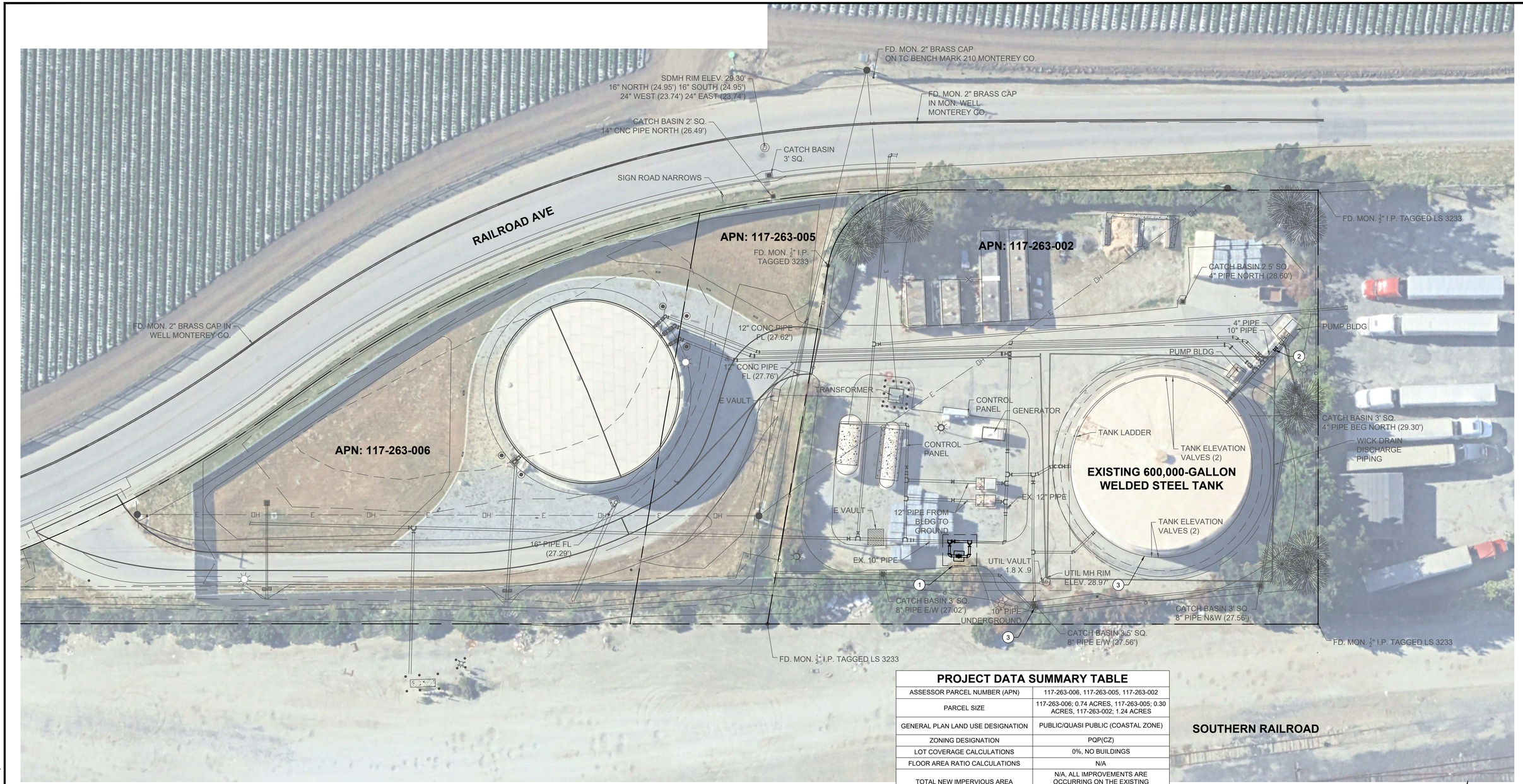
PAJARO WELL NO. 1 SITE CIVIL DETAILS

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-091

SHEET NUMBER
96 OF **158**

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Fri, 13 Feb 26 - 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.

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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

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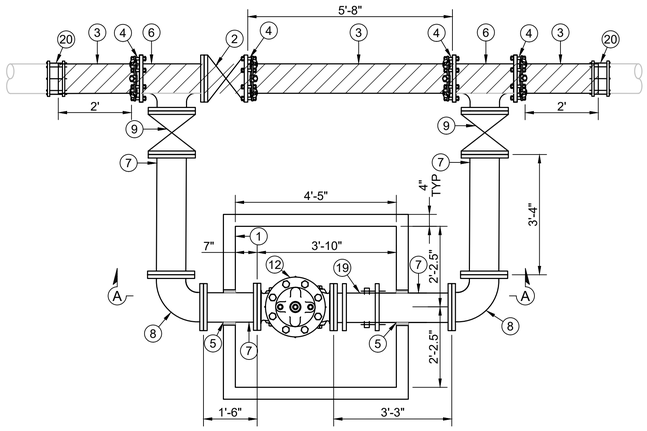
PAJARO TANK PLAN

PROJECT NUMBER
CWTRC.200476.05

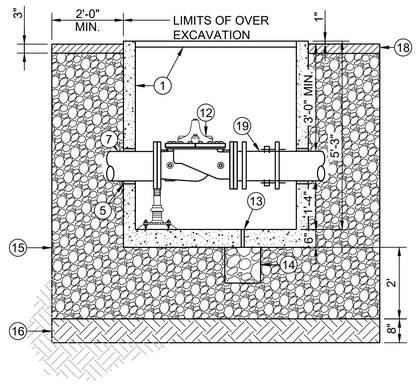
DRAWING NUMBER
C-092

SHEET NUMBER
97 OF **158**

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Fri 13 Mar 26 01:23:13 PM by Mike Dingo



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

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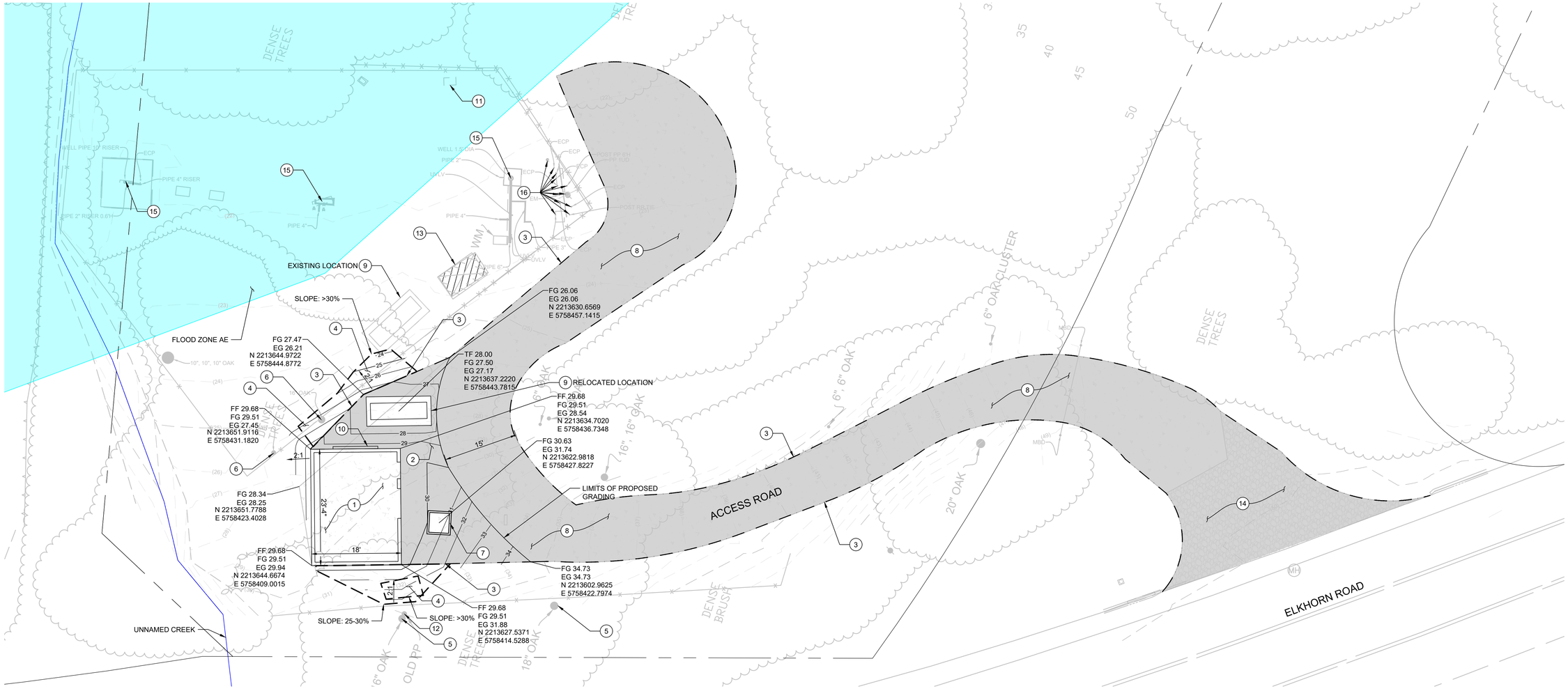
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PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

PAJARO TANK PIPING MODIFICATIONS DETAILS

PROJECT NUMBER: CWTRC.200476.05
DRAWING NUMBER: C-093
SHEET NUMBER: 98 OF 158

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Tue 26 Jan 26 12:03:50 PM by Alicia Mallory



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

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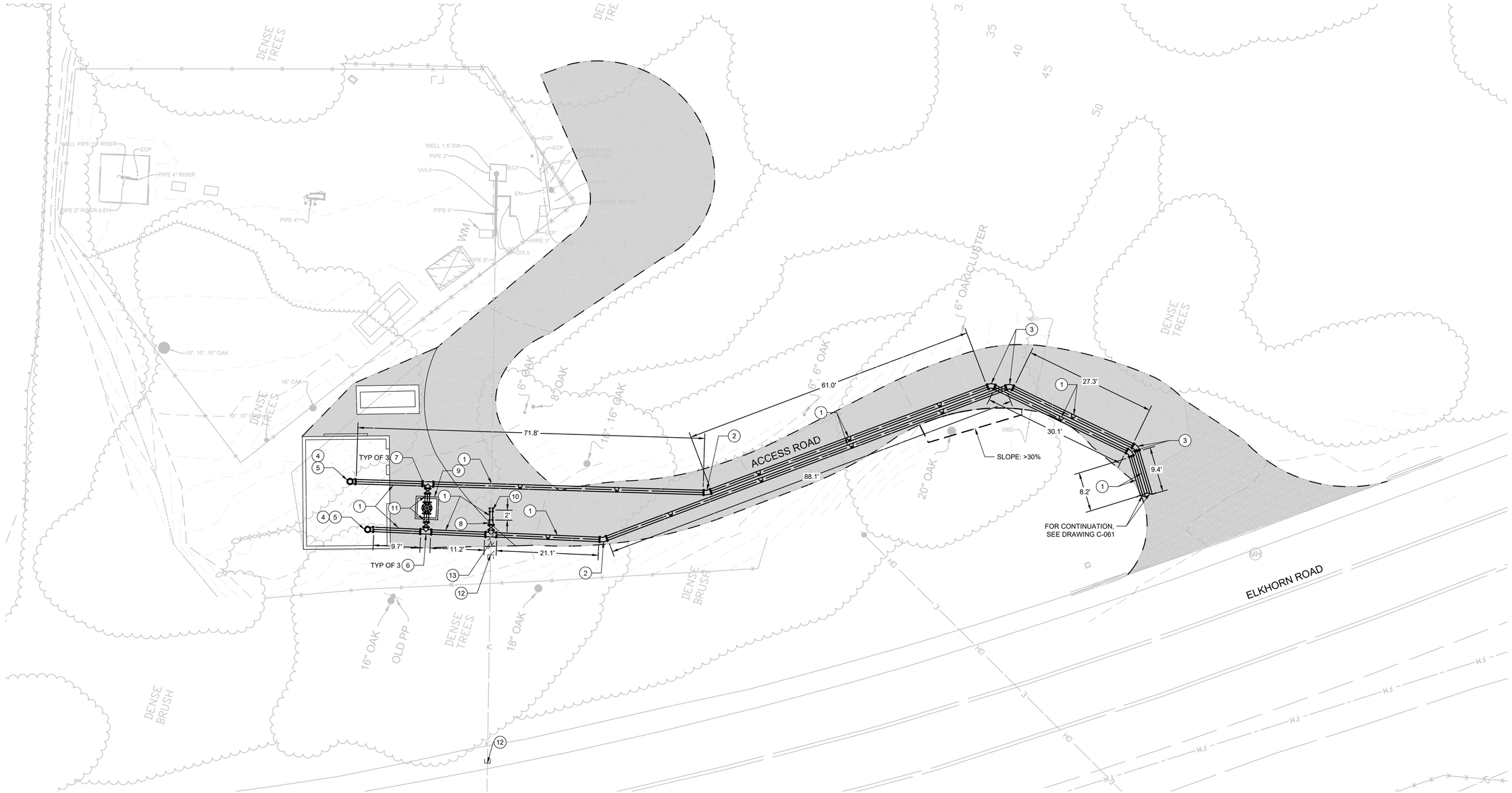
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PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

BOOSTER PUMP STATION SITE IMPROVEMENT PLAN

PROJECT NUMBER CWTRC.200476.05
DRAWING NUMBER C-094
SHEET NUMBER 99 OF 158

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Fri 13 Jun 25 14:13:26 PM by Jorge Heide



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.

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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

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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**

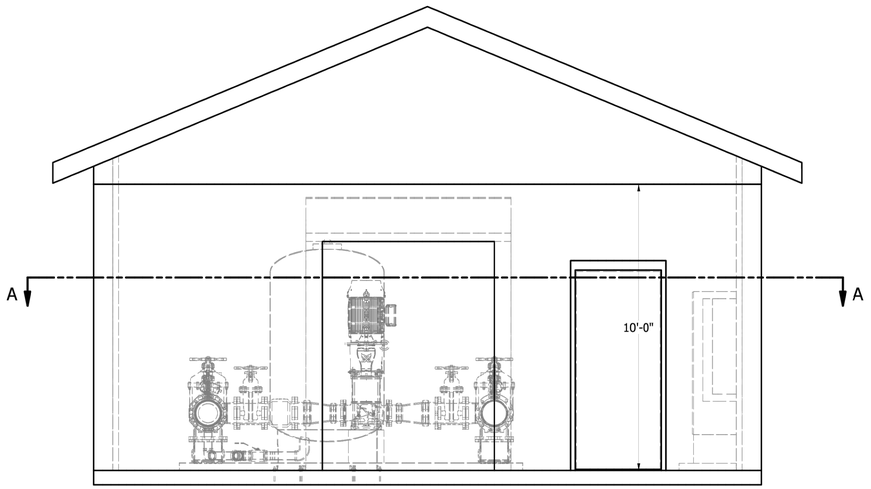
© Box/Projects/CWTRC - Community Water Center/CWTRC.200476.05 P3/63 Proj/Eng, CAD/Sheets/Booster Pump Station Site Piping Plan.dwg

Mon 10 Mar 26 02:23:34 PM by: JoAnn Arvida

CONFIGURATION: DUPLEX
DAILY PUMPS: GRUNDFOS CR 125-2-1 40HP, 700 GPM EACH AT 178 TDH

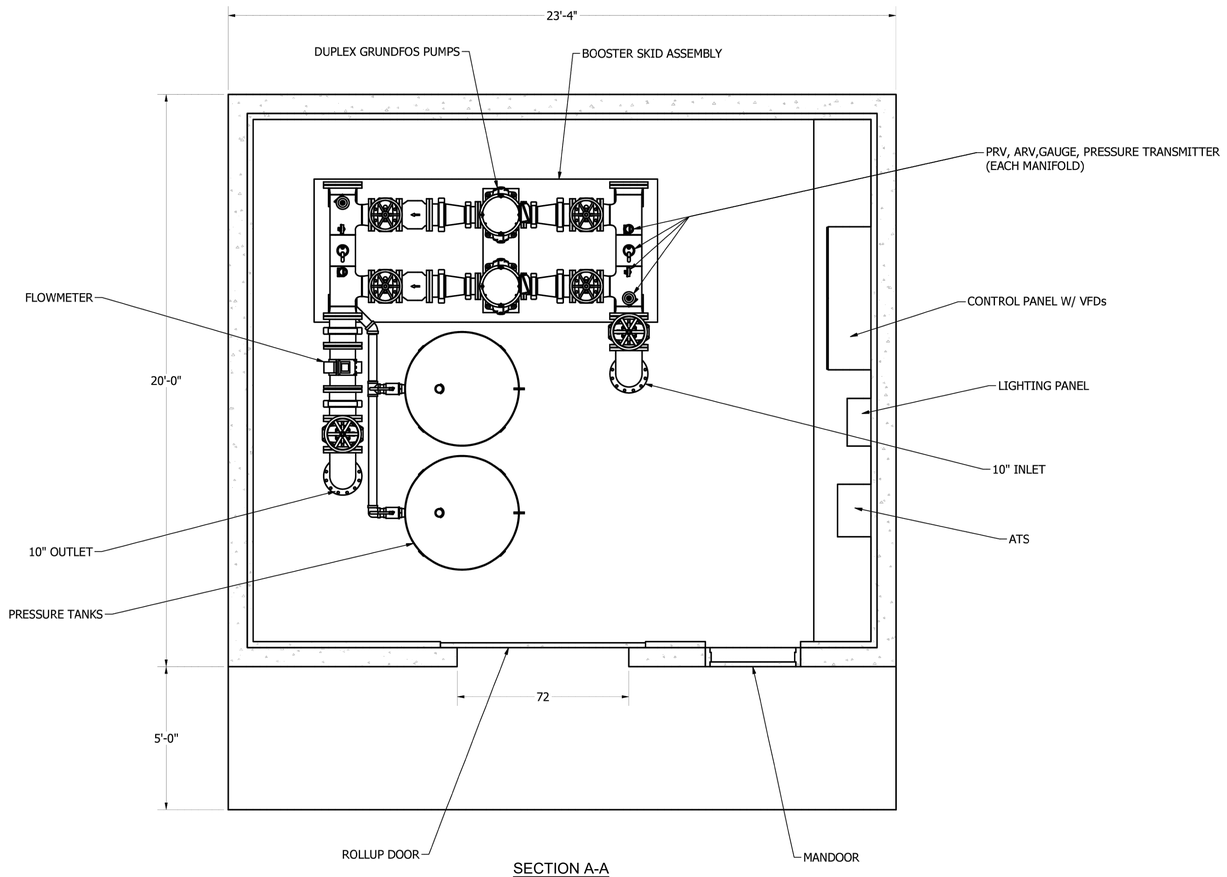
FEATURES:
PRESSURE TANK, PRESSURE TRANSMITTERS, PRESSURE GAUGES, PRESSURE SWITCHES, AIR RELEASE VALVES, PRESSURE RELEASE VALVES, FLOWMETER

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'

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1/26/26
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PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

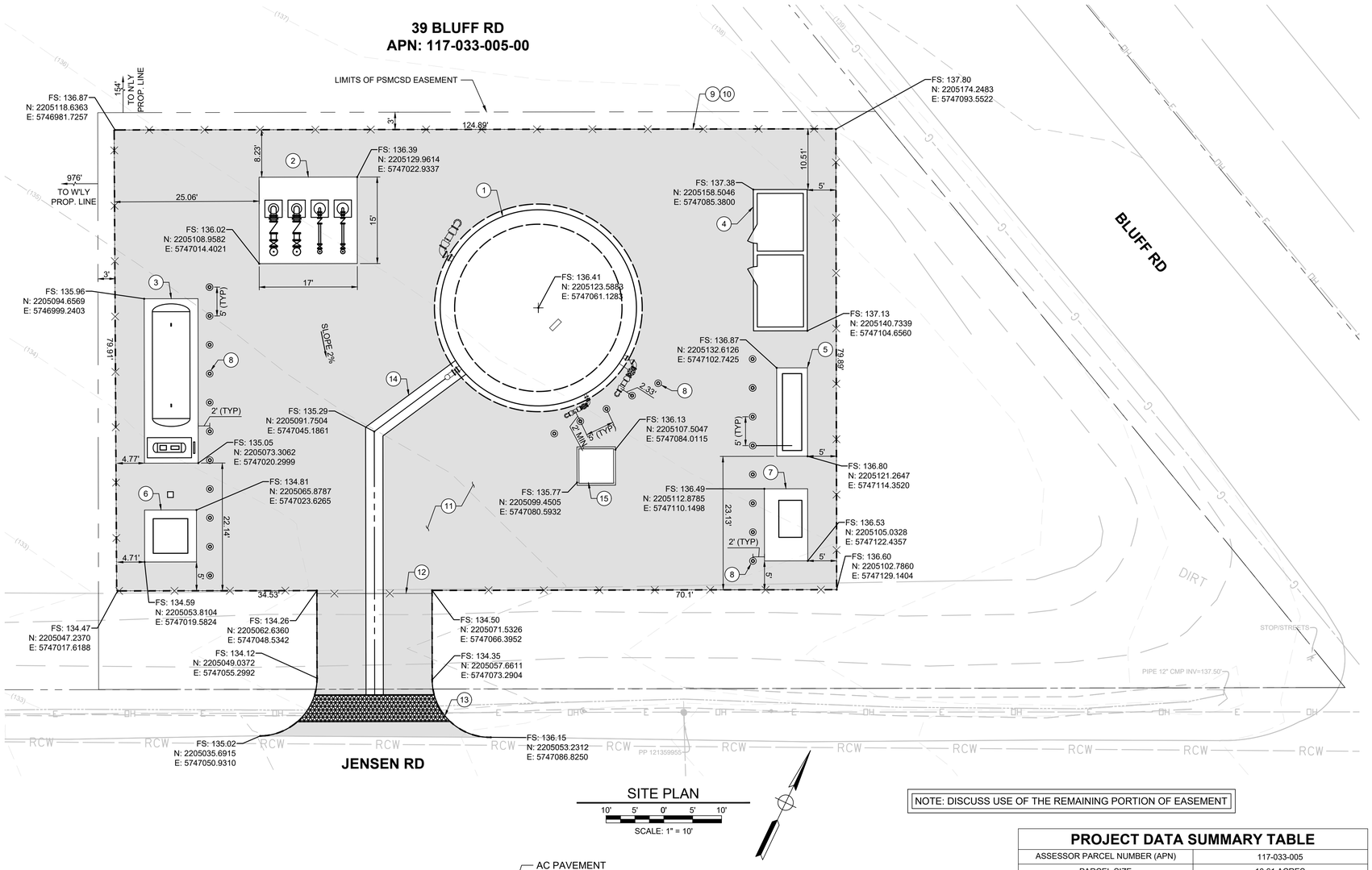
BOOSTER PUMP STATION SITE CIVIL DETAILS

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-096

SHEET NUMBER
101 OF 158

C:\Box\Projects\wtrc - Community Water Conservancy\200476.05 Pano Proj\Cad\Dwg_CAD\2 Shoot\Booster Pump Station Site Civil Details.dwg
Wed 27 Aug 25 08:58:07 AM by Hope Mahony

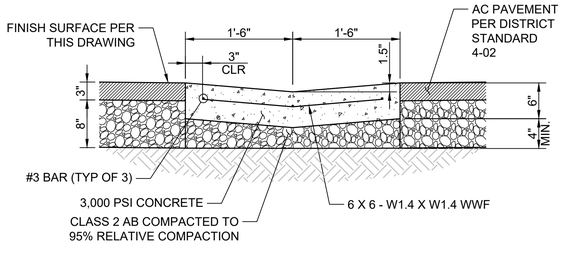


SITE PLAN

10' 5' 0' 5' 10'

SCALE: 1" = 10'

NOTE: DISCUSS USE OF THE REMAINING PORTION OF EASEMENT



DRAINAGE SWALE DETAIL 1 VARIOUS

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

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

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

1/26/26
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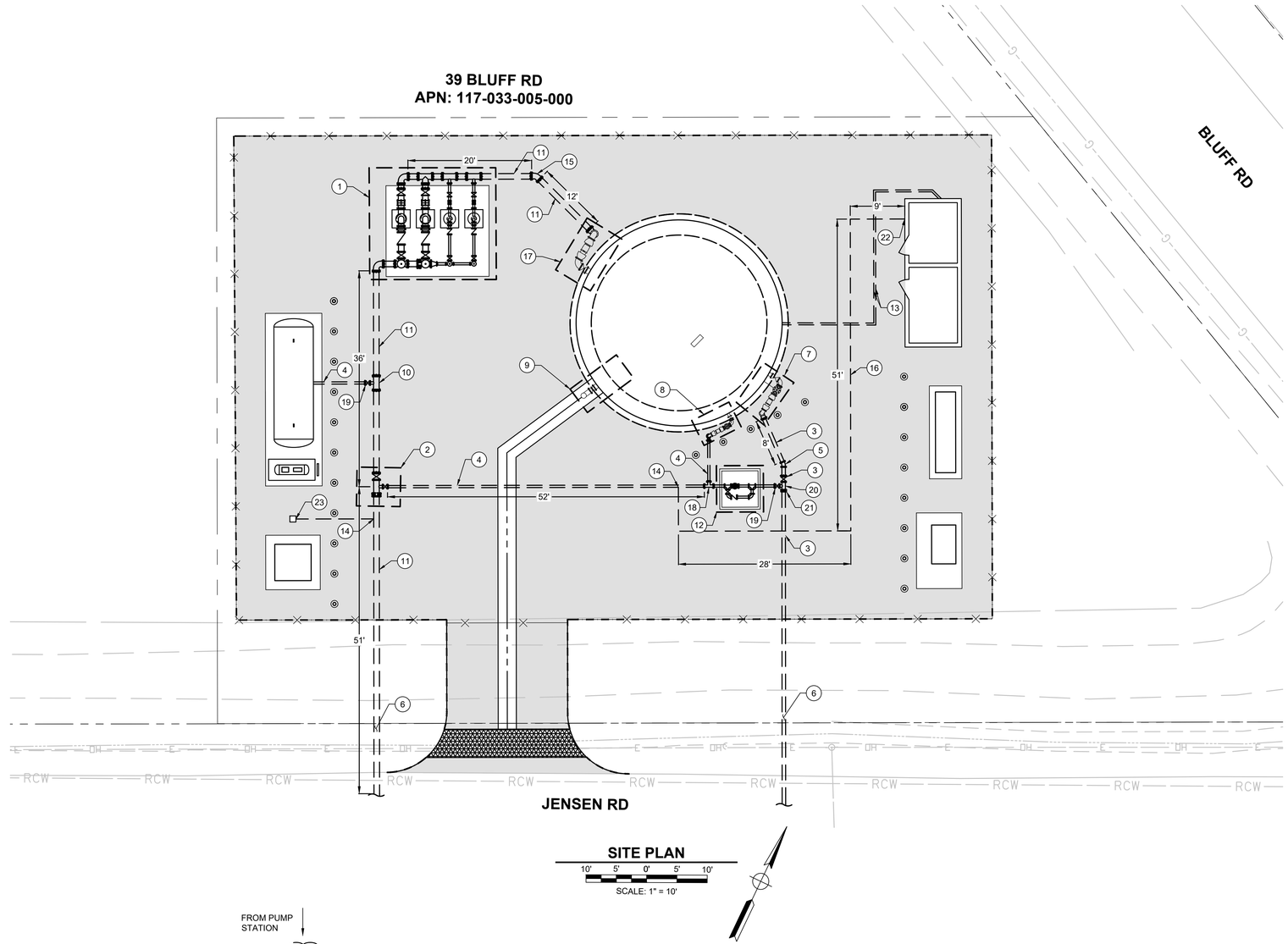
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PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

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\BluffJensen Site Improvement Plan.dwg
Fri 1/26/26 04:13:29 PM by JaMyn Kreda



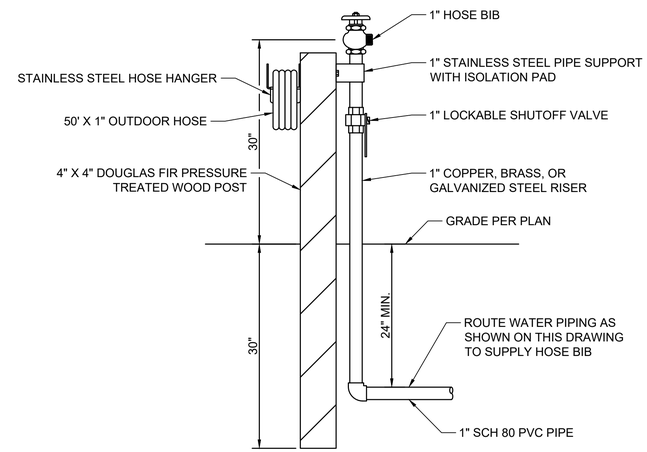
SITE PLAN

10' 5' 0' 5' 10'

SCALE: 1" = 10'

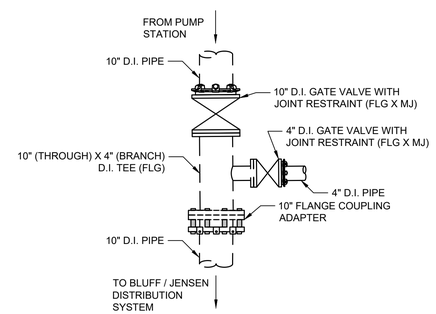
CONSTRUCTION NOTES

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'

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CONSTRUCTABILITY:	

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

1/26/26
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PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

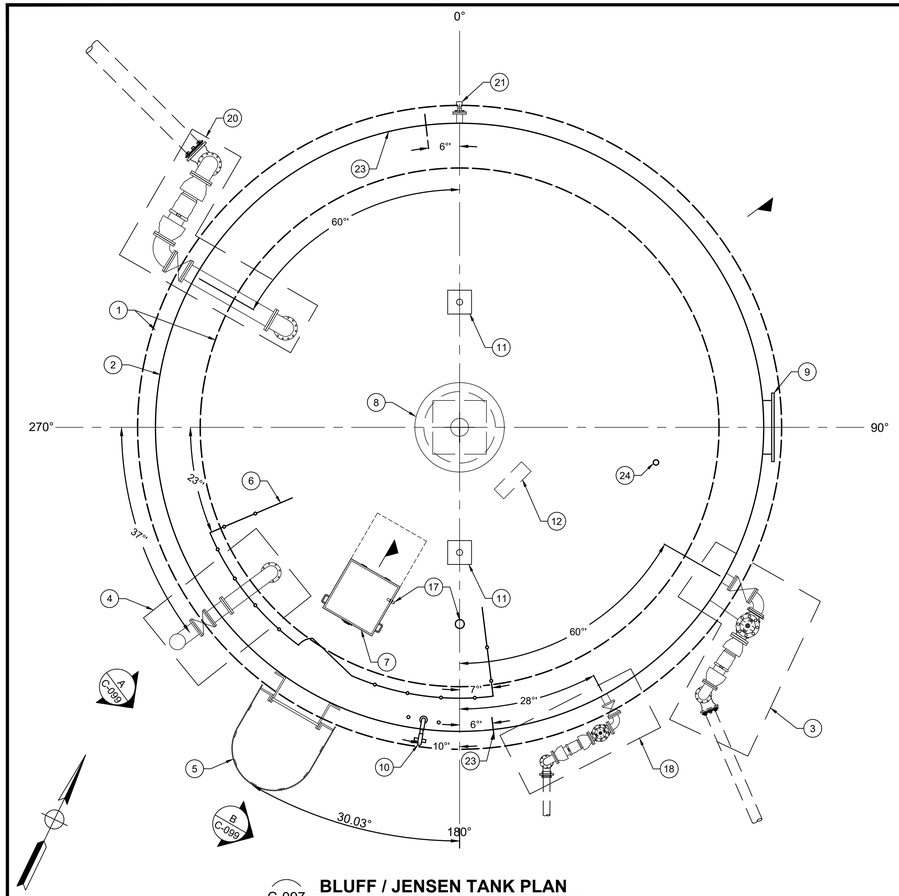
BLUFF-JENSEN SITE PIPING PLAN

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-098

SHEET NUMBER
103 OF 158

Mon Jan 26 09:23:54 AM by Abby Diego
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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"

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C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

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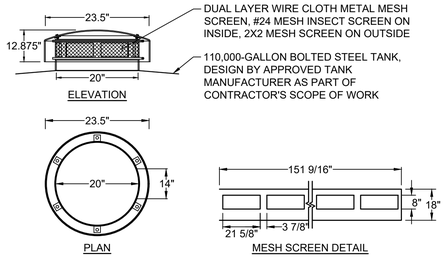
BLUFF-JENSEN SITE TANK PLAN AND SECTION

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-099

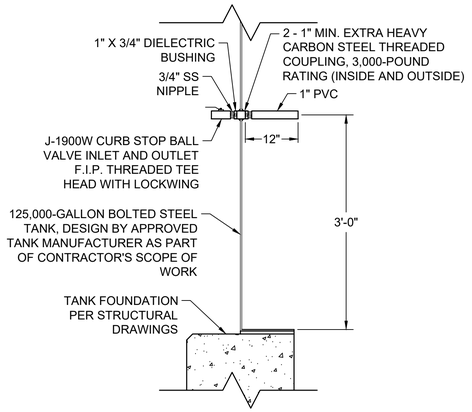
SHEET NUMBER
104 OF 158

Thu, 11 Dec 25 - 12:20:13 AM By: Nicol Mallory
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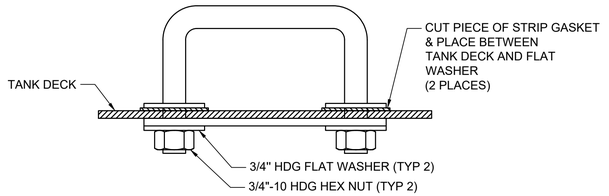
ROOF VENT DETAIL — 1 / C-099

NTS



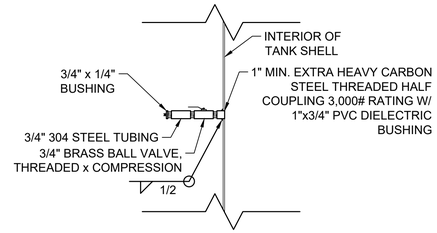
SAMPLE PORT DETAIL — 2 / C-099

NTS



FALL PROTECTION ANCHOR TIE OFF — 3 / C-099

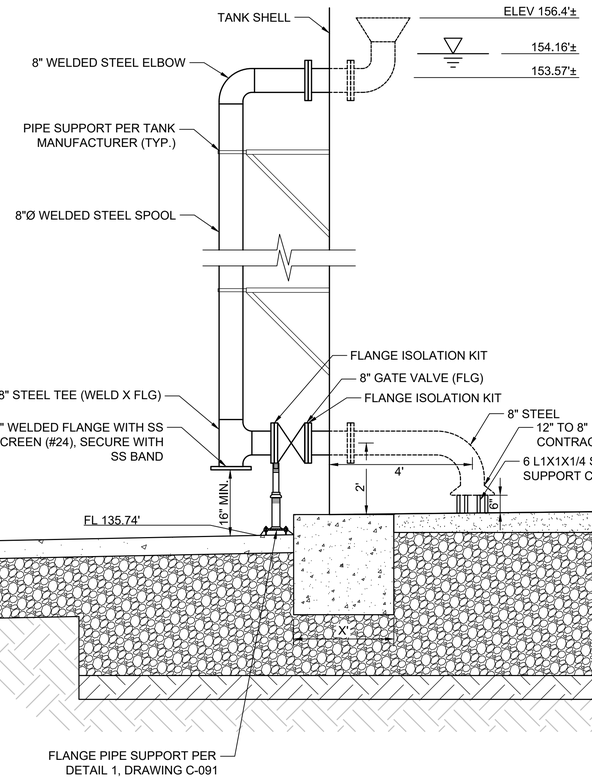
NTS

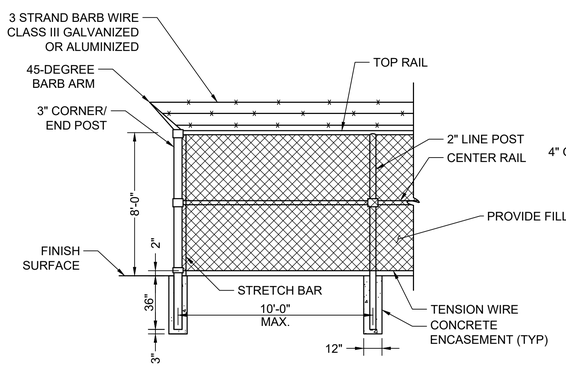


SENSING LINE DETAIL — 4 / C-104

1' 0.5' 0' 0.5' 1'

1 in. = 1 ft.

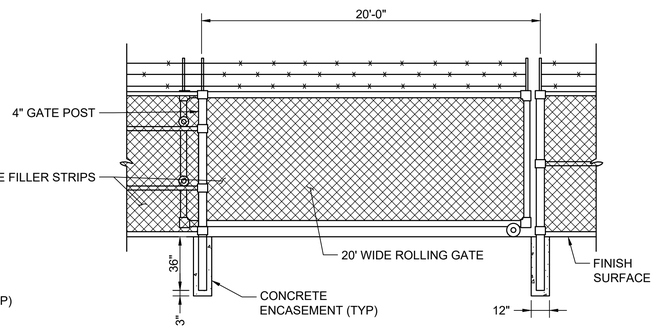




CHAIN LINK FENCE DETAIL — 5 / C-097

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"

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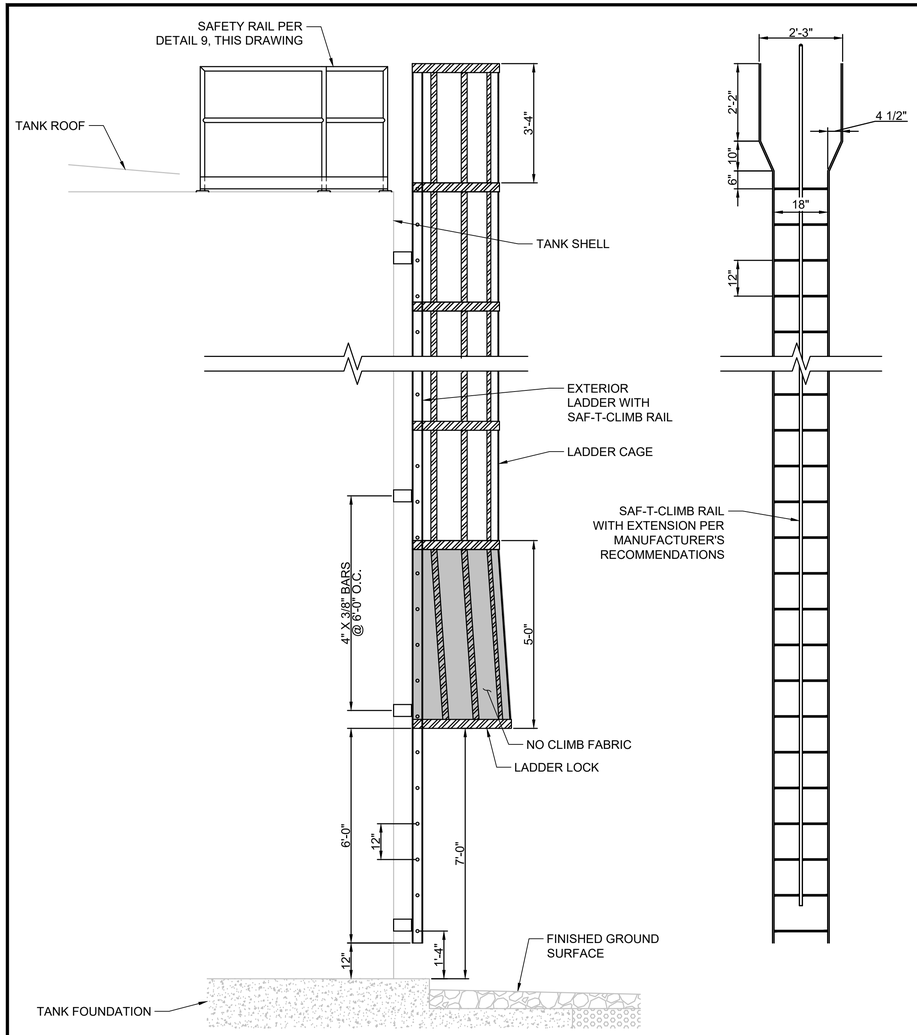
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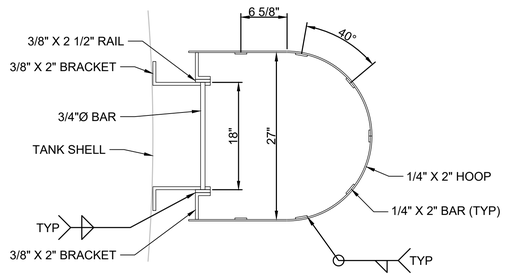
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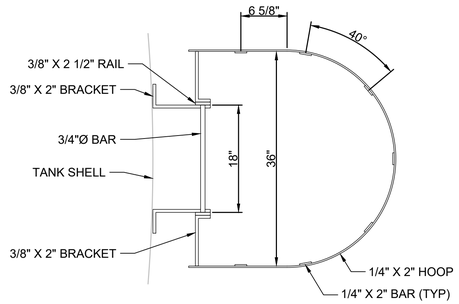
BLUFF-JENSEN SITE TANK DETAILS 1

PROJECT NUMBER: CWTRC.200476.05
DRAWING NUMBER: C-100
SHEET NUMBER: 105 OF 158

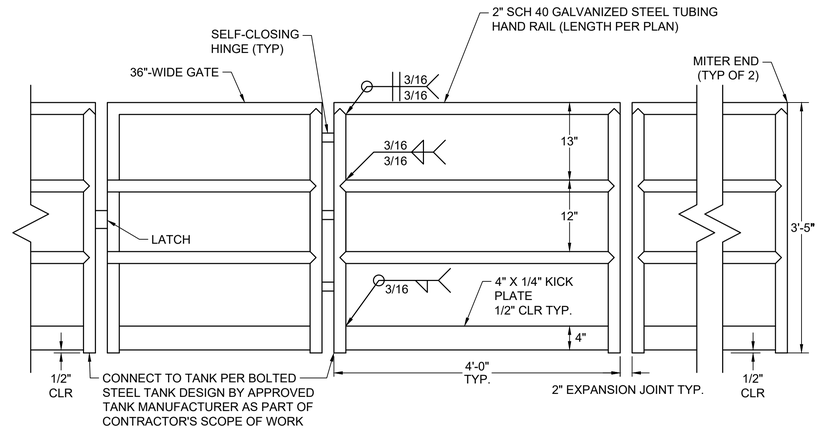
Thu, 11 Dec 25 12:13:29 PM by Floyd McElroy
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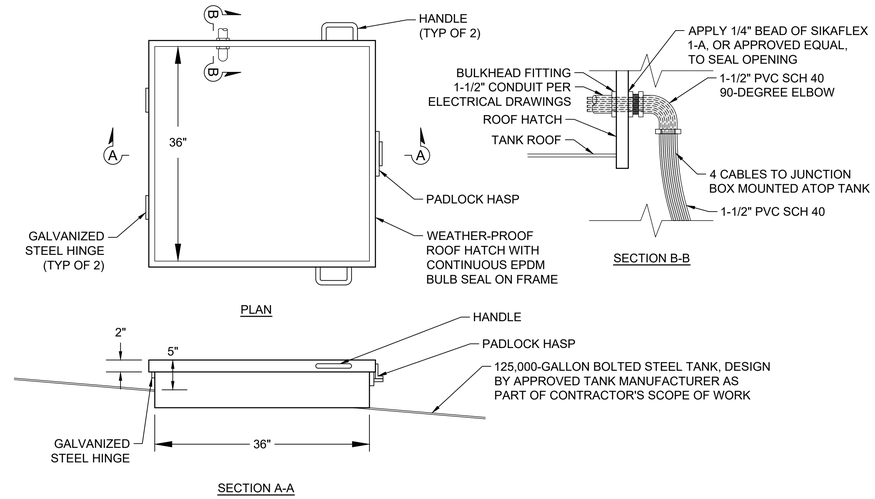




EXTERIOR LADDER DETAIL — 8 / C-099
NTS



TANK ROOF SAFETY RAILING — 9 / C-33
NTS



ROOF HATCH DETAIL — 9 / C-099
NTS

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

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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

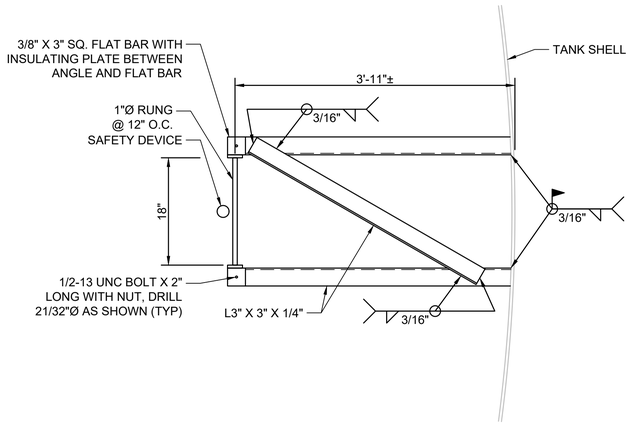
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THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

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

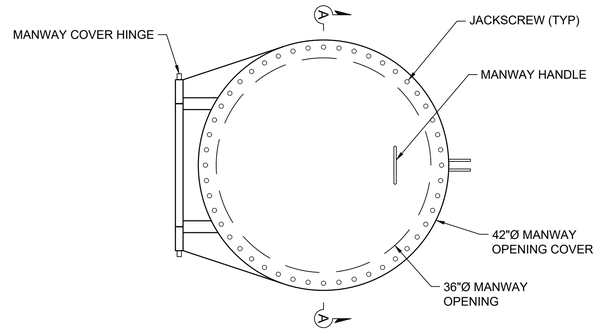
BLUFF-JENSEN SITE TANK DETAILS 2

PROJECT NUMBER: CWTRC.200476.05
DRAWING NUMBER: C-101
SHEET NUMBER: 106 OF 158

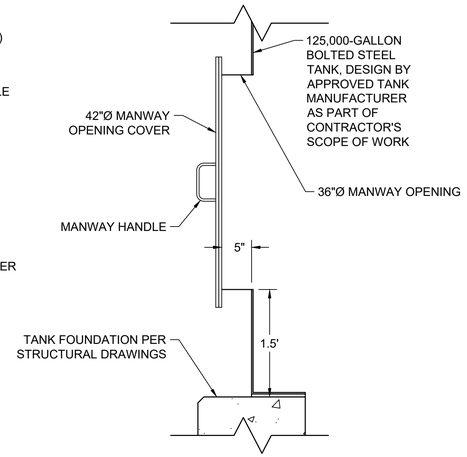
Thu 1:54pm 23 12:39:34 PM by Hope Mallory
C:\Dev\Projects\Pajaro - Community Water Consolidation\200476.05 Plans Prep\Engr_CAD\ Sheets\BLP\Arsenic Site Tank Details.dwg



INTERIOR LADDER DETAIL — 10 / C-099
NTS

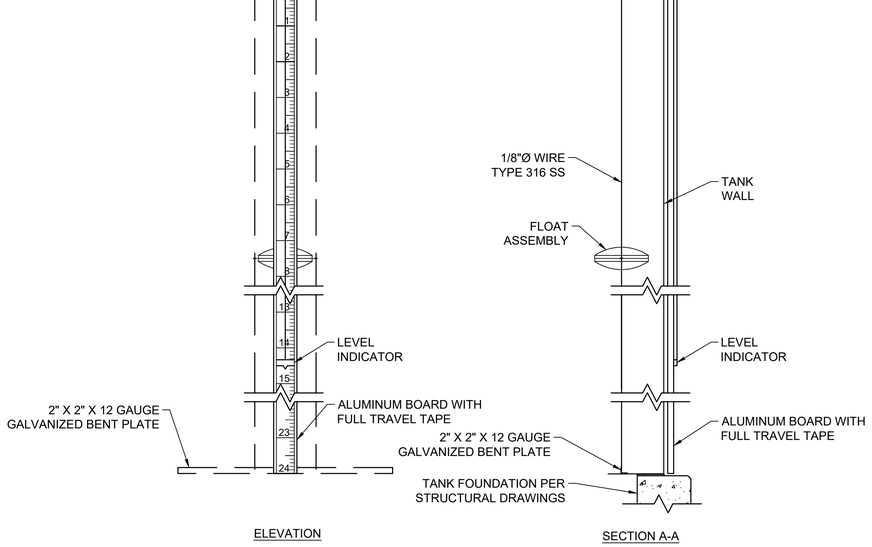


PLAN



SECTION A-A

SHELL MANWAY DETAIL — 11 / C-099
NTS



GAUGE BOARD DETAIL — 12 / C-099
NTS

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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
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PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

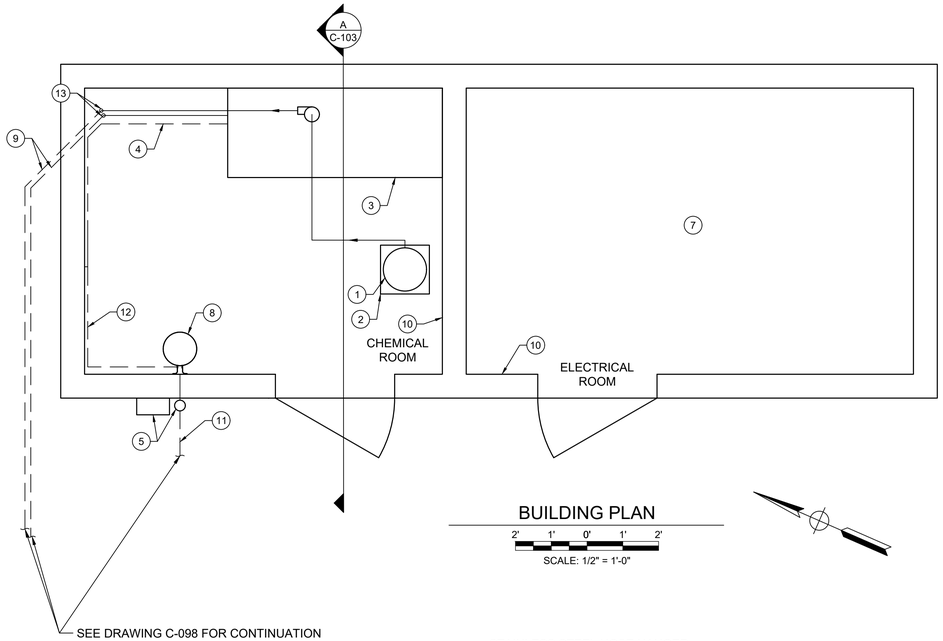
BLUFF-JENSEN SITE TANK DETAILS 3

PROJECT NUMBER: CWTRC.200476.05
DRAWING NUMBER: C-102
SHEET NUMBER: 107 OF 158

© Bluffjensenm - Community Water Centercwtrc200476.05 Pajaro Proj Eng_CAD Sheets\Bluffjensen Site Tank Details.dwg
Thu 1:58p,25 - 21:19:38 Pdt by Hope Mallory

PARTS LIST

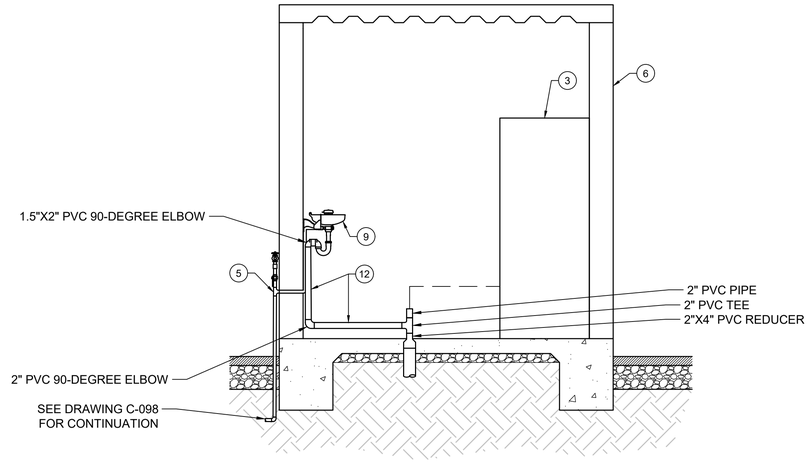
1. 15-GAL 12.5% SODIUM HYPOCHLORITE STORAGE DRUM.
2. SECONDARY CHEMICAL CONTAINMENT PAD.
3. FLOOR-MOUNTED AUTOMATED DISINFECTANT CONTROL SYSTEM.
4. CONNECT AUTOMATED DISINFECTANT CONTROL SYSTEM TO DRAIN PER MANUFACTURER RECOMMENDATIONS.
5. HOSE RACK BIB AND RACK, MOUNTED ON BUILDING WALL, PER DETAIL 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"

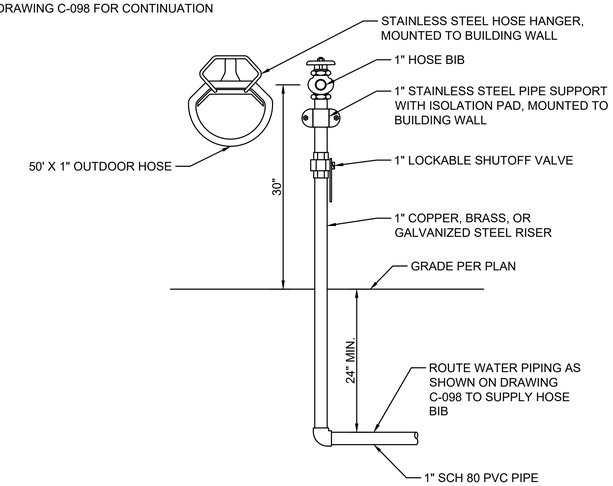


BUILDING SECTION A-A

A C-103

2' 1' 0' 1' 2'

SCALE: 1/2" = 1'-0"



HOSE BIB AND RACK DETAIL 1

N.T.S.

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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

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PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

BLUFF-JENSEN SITE CHEMICAL ELECTRICAL BUILDING PLAN AND SECTION

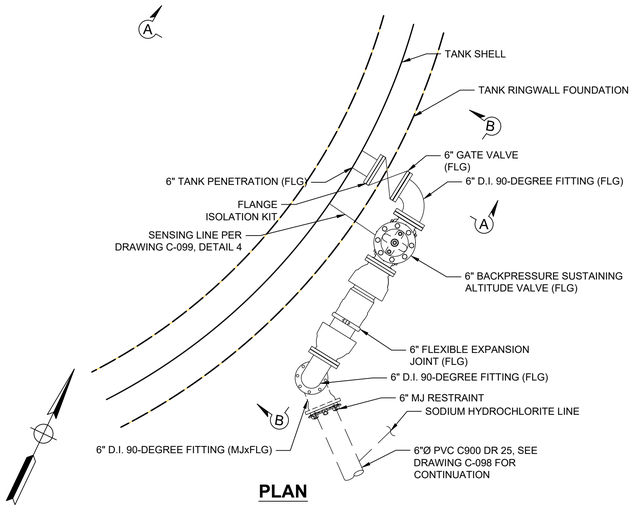
PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-103

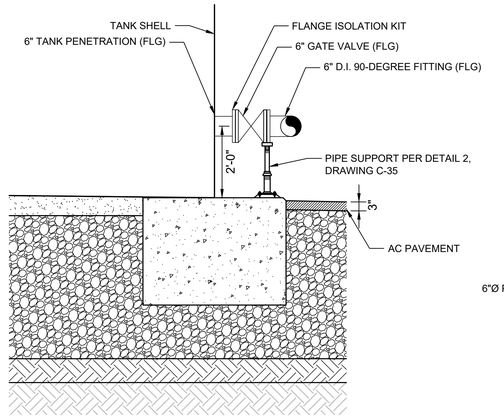
SHEET NUMBER
108 OF 158

C:\Dev\Projects\Sm - Community Water Center\work\200476.05 Phase Proj\Eng_CAD\ Sheets\Bluff-Jensen Site Chemical Electrical Building.dwg

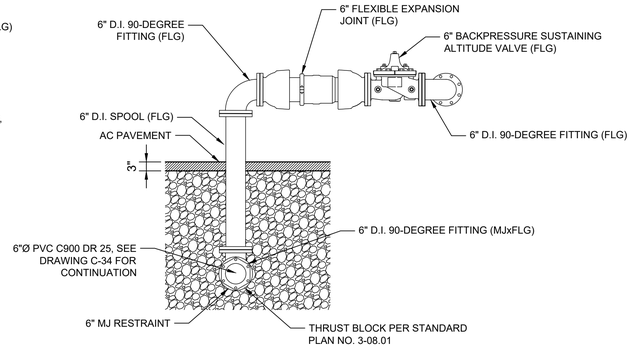
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PLAN



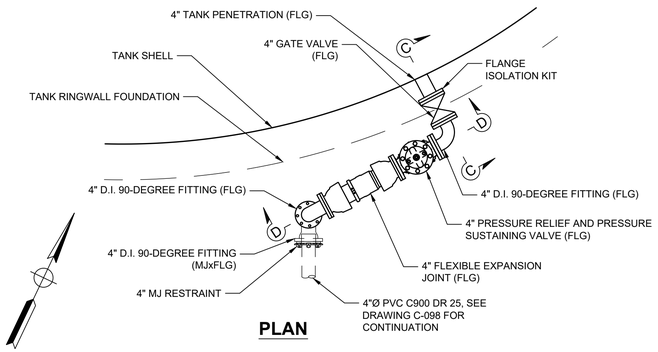
SECTION A - A



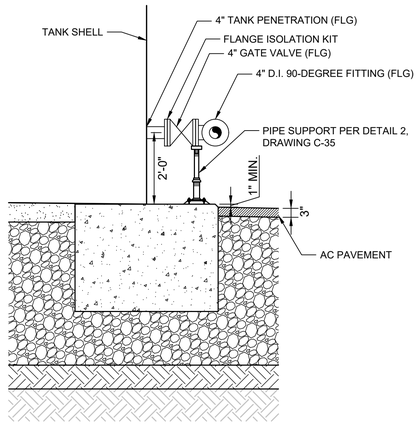
SECTION B - B

1 C-098 **TANK PRIMARY INLET PIPING - BLUFF-JENSEN SITE**

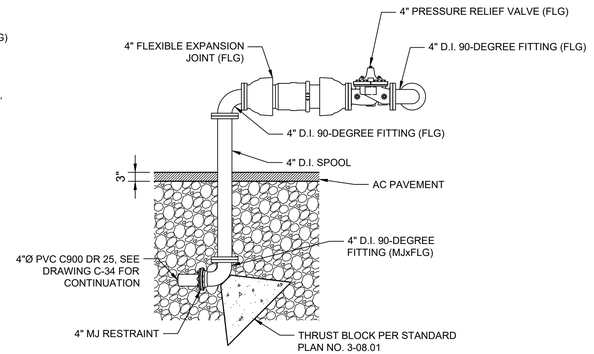
SCALE: 1" = 2'



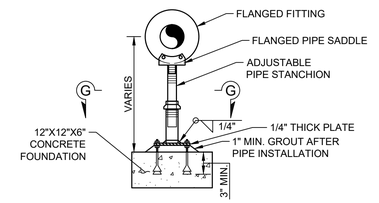
PLAN



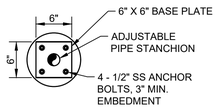
SECTION C - C



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'

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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

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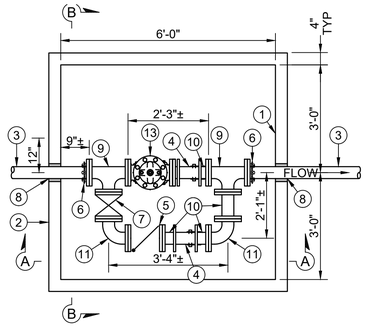
BLUFF-JENSEN SITE CIVIL DETAILS 1

PROJECT NUMBER
CWTRC.200476.05

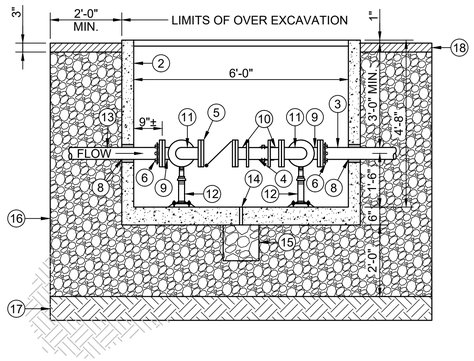
DRAWING NUMBER
C-104

SHEET NUMBER
109 OF 158

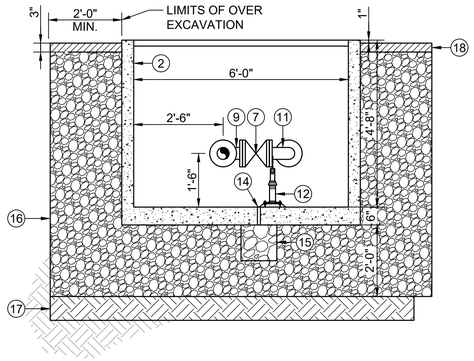
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PLAN



SECTION A - A



SECTION B - B

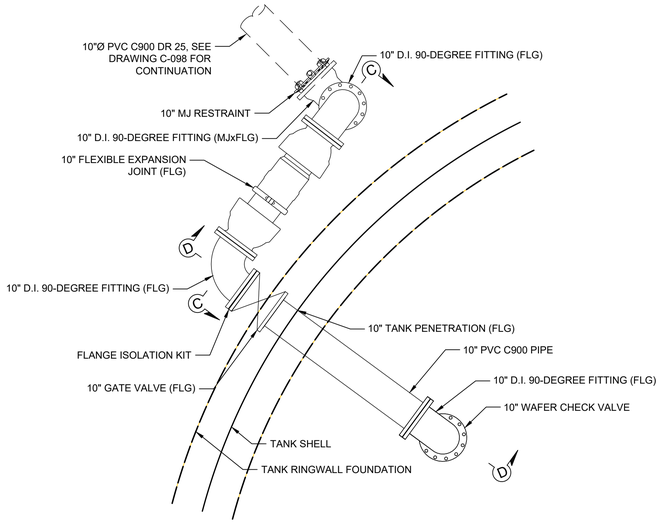
BYPASS VALVE VAULT PARTS LIST

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

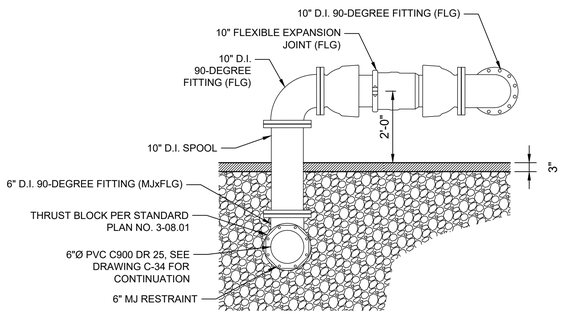
BYPASS VALVE VAULT OPERATION NOTES

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.

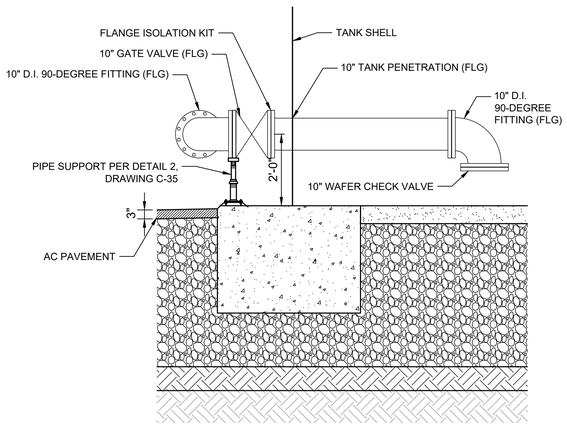
1 C-098 **VALVE VAULT - BLUFF-JENSEN SITE**
SCALE: 1" = 2'



PLAN



SECTION C - C



SECTION D - D

2 C-098 **TANK OUTLET PIPING - BLUFF-JENSEN SITE**
SCALE: 1" = 2'

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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

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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\src\ Community Water Districts\2024\5-CB Prime Proj\3 Eng_CAD\2 Sheets\Sunny Mesa Tank Site Plan And Details.dwg
Fri 23 Jun 26 10:57:37 PM By: Hope 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.

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

1/26/26
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REGISTERED PROFESSIONAL ENGINEER
NICHOLAS E. PANOFSKY
C75006
Exp. 12-31-2027
CIVIL
STATE OF CALIFORNIA

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PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

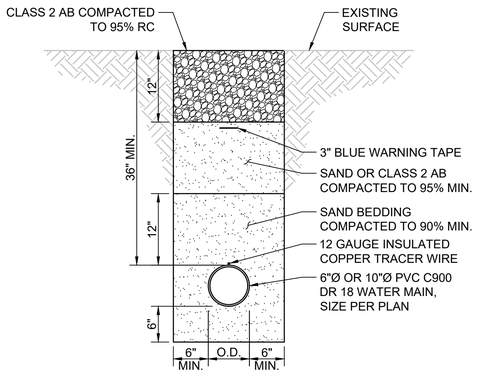
SUNNY MESA WELL SITE METER RELOCATION

PROJECT NUMBER
CWTRC.200476.05

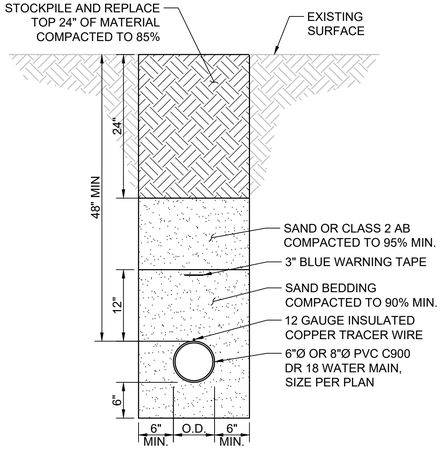
DRAWING NUMBER
C-106

SHEET NUMBER
111 OF **158**

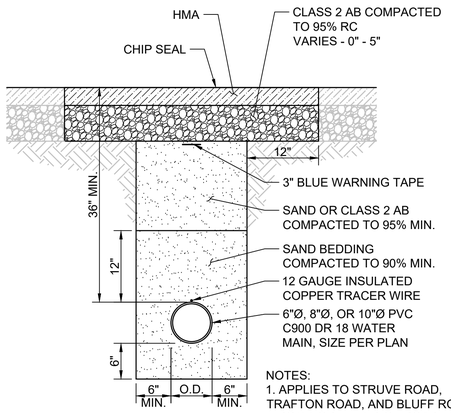
Mon 05-Jan-26 09:58:53 AM by Hope Mallory
C:\Box\Projects\Community Water Center\cwtrc.200476.05 Pajaro Proj\Eng_CAD\ Sheets\Sunny Mesa Wells\ Demolition Plan.dwg



CASE A:
UNIMPROVED SURFACE

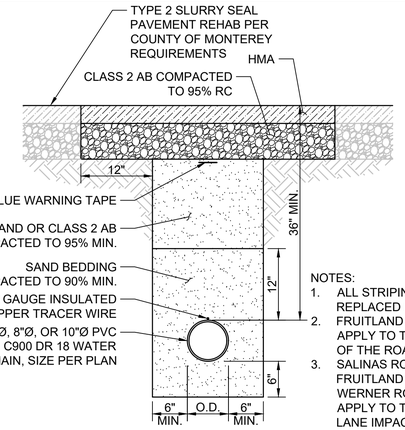


CASE B:
UNIMPROVED SURFACE - AGRICULTURAL FIELD



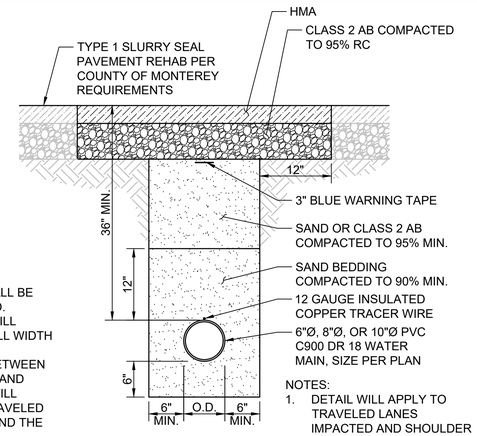
NOTES:
1. APPLIES TO STRUVE ROAD, TRAFTON ROAD, AND BLUFF ROAD (FROM NORTH END OF ROAD TO 600' BEFORE JENSEN ROAD).
2. CHIP SEAL SHALL BE FULL WIDTH OF THE ROAD.
3. ALL STRIPING SHALL BE REPLACED IN KIND.

CASE C:
CHIP SEAL



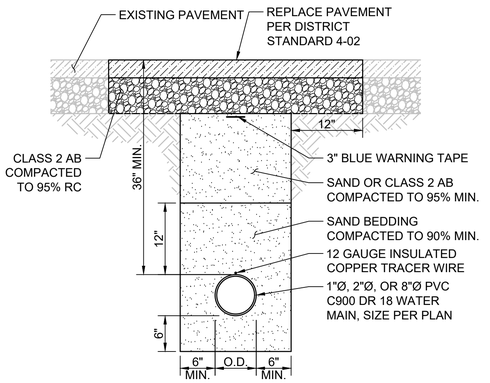
NOTES:
1. ALL STRIPING SHALL BE REPLACED IN KIND.
2. FRUITLAND AVE WILL APPLY TO THE FULL WIDTH OF THE ROAD.
3. SALINAS ROAD, BETWEEN FRUITLAND ROAD AND WERNER ROAD, WILL APPLY TO THE TRAVELED LANE IMPACTED AND THE BIKE LANE.
4. SALINAS ROAD, FROM BAY FARMS ROAD TO CALTRANS ROW, WILL APPLY TO THE SHOULDER.
5. HILLTOP ROAD WILL APPLY TO THE SHOULDER.

CASE D:
TYPE 2 SLURRY

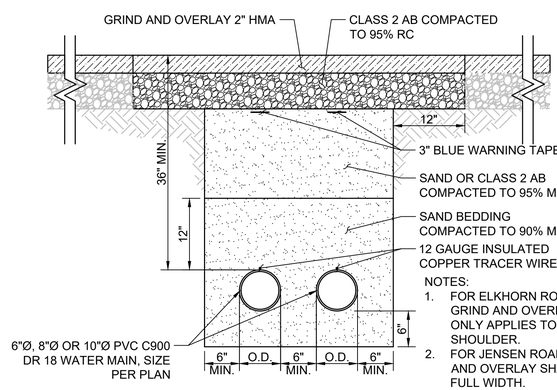


NOTES:
1. DETAIL WILL APPLY TO TRAVELED LANES IMPACTED AND SHOULDER AS NECESSARY.

CASE E:
TYPE 1 SLURRY

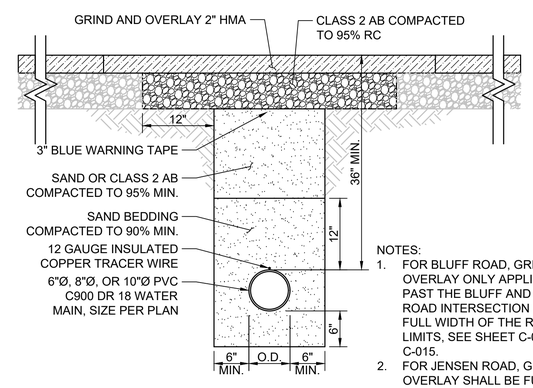


CASE F:
PRIVATE PROPERTY



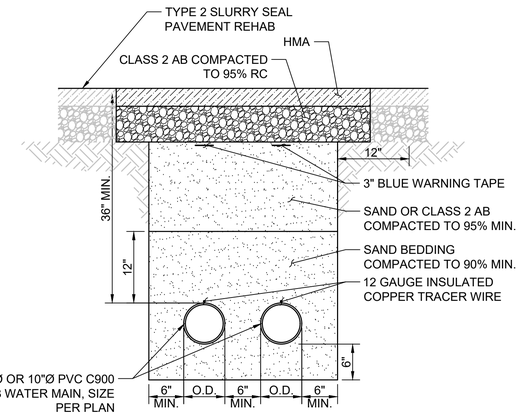
NOTES:
1. FOR ELKHORN ROAD, GRIND AND OVERLAY ONLY APPLIES TO THE SHOULDER.
2. FOR JENSEN ROAD, GRIND AND OVERLAY SHALL BE FULL WIDTH.

CASE G:
DUAL TRENCH PAVED COUNTY ROAD

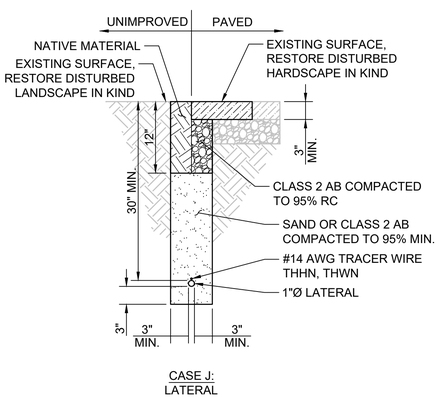


NOTES:
1. FOR BLUFF ROAD, GRIND AND OVERLAY ONLY APPLIES TO 600' PAST THE BLUFF AND JENSEN ROAD INTERSECTION FOR THE FULL WIDTH OF THE ROAD. FOR LIMITS, SEE SHEET C-014 AND C-015.
2. FOR JENSEN ROAD, GRIND AND OVERLAY SHALL BE FULL WIDTH.

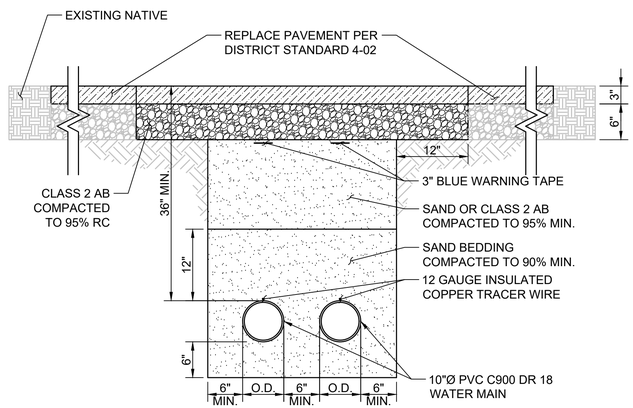
CASE H:
SINGLE TRENCH PAVED COUNTY ROAD



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'

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QA/QC:	TNH
CONSTRUCTABILITY:	

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

1/26/26
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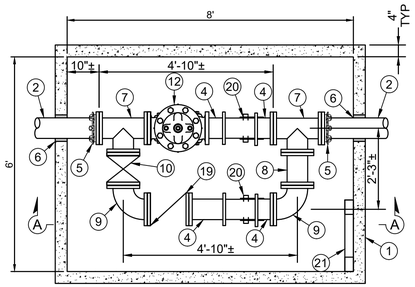
TRENCH DETAILS

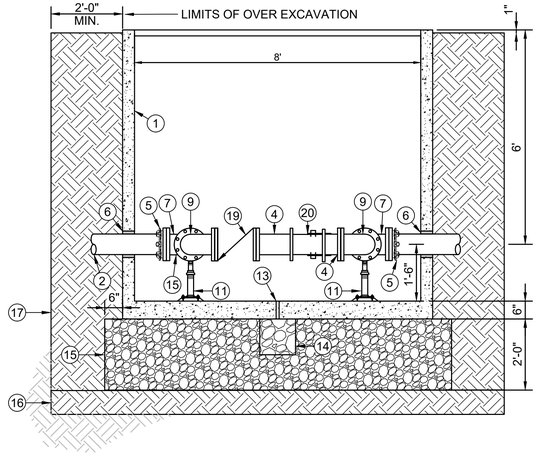
PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
C-107

SHEET NUMBER
112 OF 158

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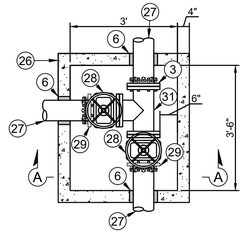


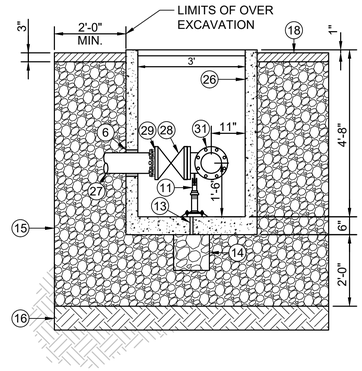


SECTION A-A

1 C-029 **PRESSURE REDUCING VALVE VAULT**

SCALE: 1/2" = 1"

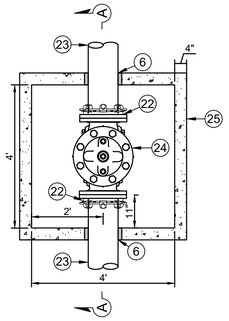


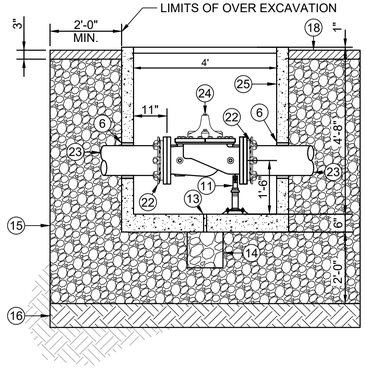


SECTION A-A

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)

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

1/26/26
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VALVE VAULT DETAILS

PROJECT NUMBER
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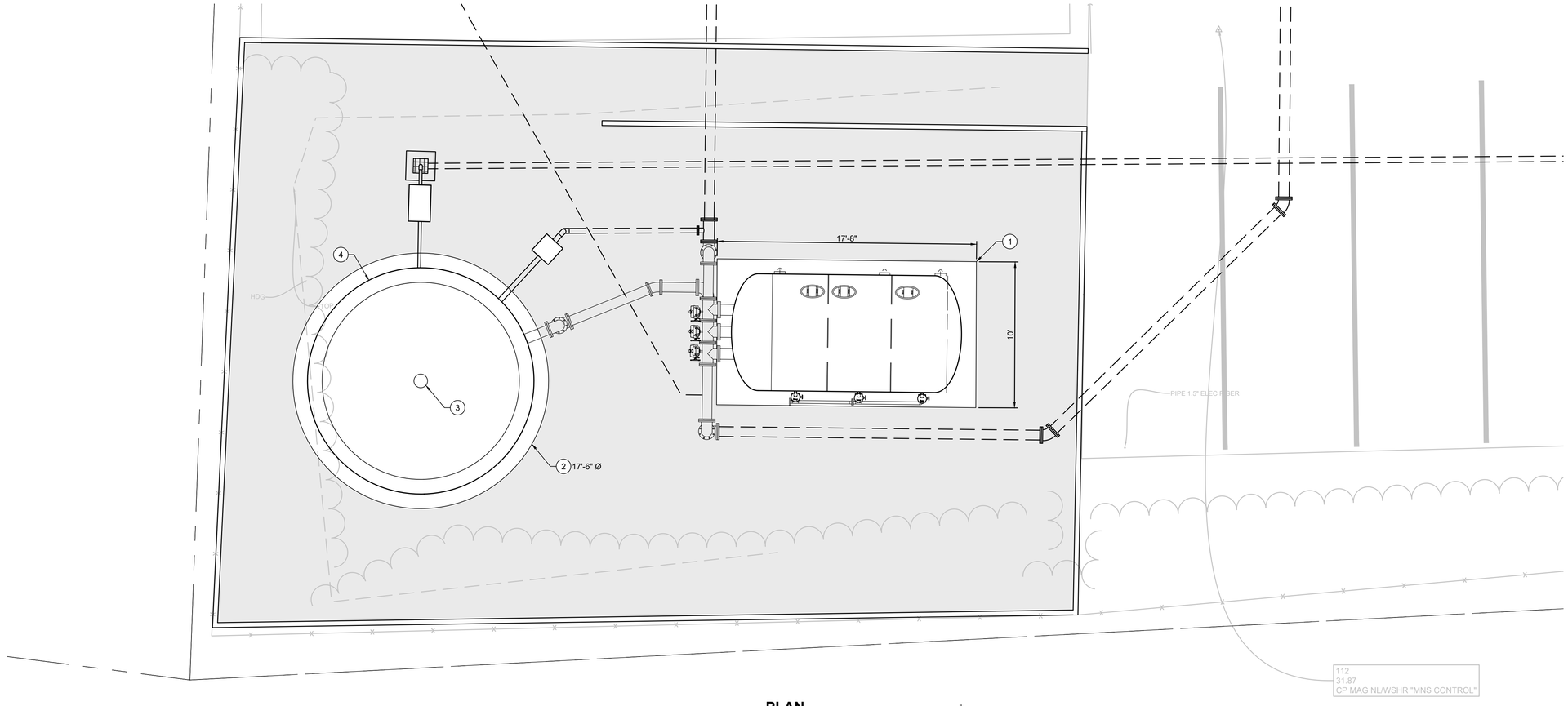
DRAWING NUMBER
C-108

SHEET NUMBER
113 OF 158

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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'

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C75006
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PAJARO WELL NO. 1 TREATMENT MECHANICAL PLAN

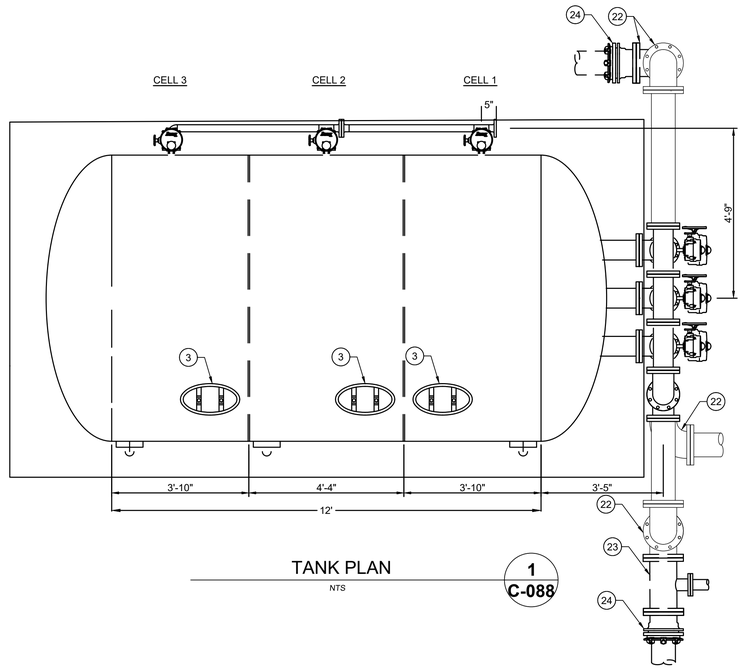
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CWTRC.200476.05

DRAWING NUMBER
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SHEET NUMBER
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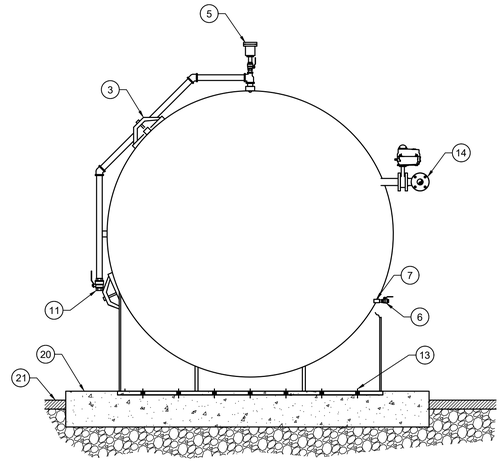
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TANK PLAN

NTS

1
C-088



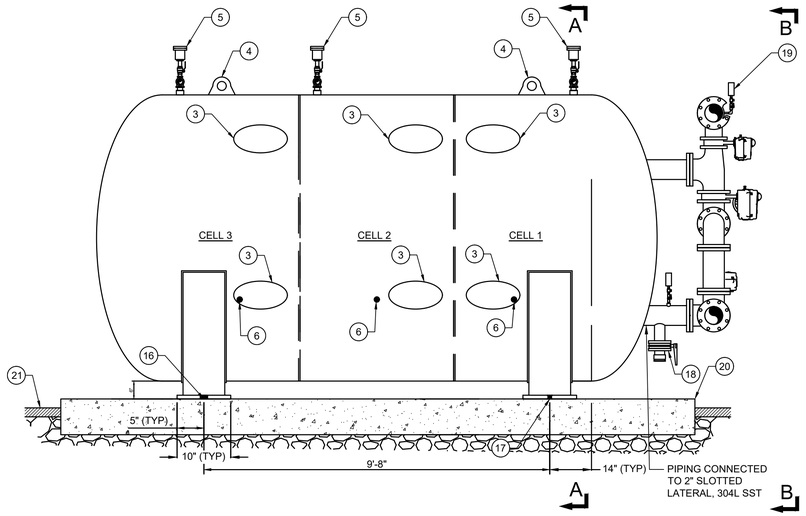
TANK SECTION A-A

NTS

3
C-088

HYDROPNEUMATIC TANK PARTS LIST

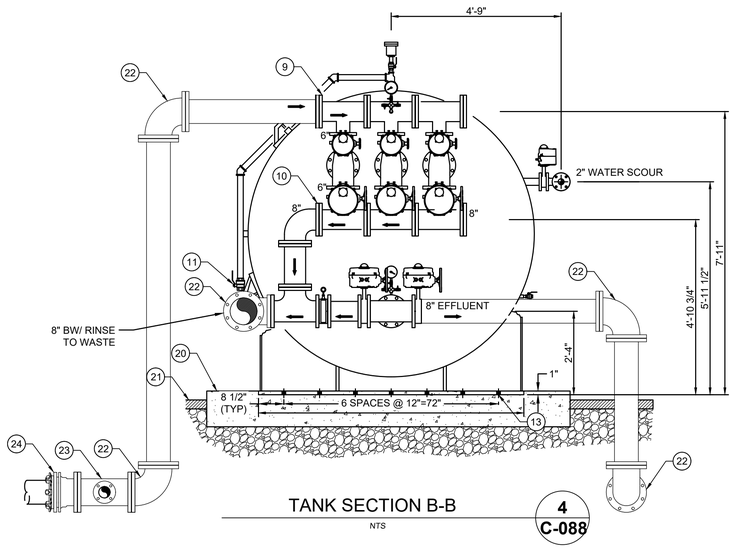
1. TANK
2. STEEL TANK SUPPORT
3. 14" X 18" ELLIPTICAL MANWAY (2 PER CELL)
4. LIFTING EYE
5. 1" AIR VENT
6. 1/2" SAMPLE BALL VALVE (1 PER CELL)
7. 1/2" SAMPLE LINE (1 PER CELL)
8. 2" SLOTTED LATERAL, 304L SST
9. 8" INFLUENT PIPING
10. 6" BACKWASH
11. 1"-1/2" BALL VALVE (TYP 3)
12. 8" BW/ RINSE TO WASTE
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

NTS

2
C-088



TANK SECTION B-B

NTS

4
C-088

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

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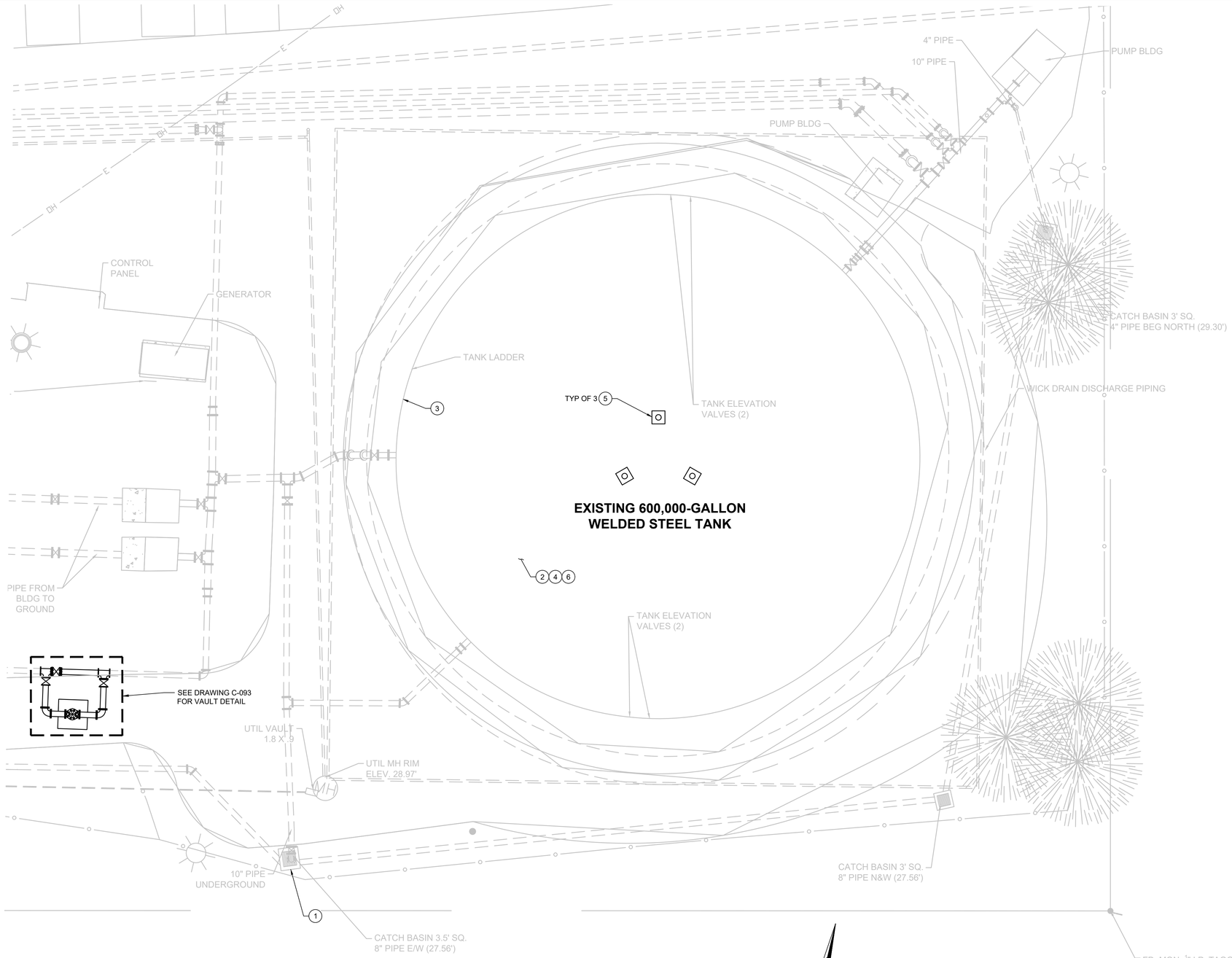
PAJARO WELL NO. 1 TREATMENT MECHANICAL SECTIONS

PROJECT NUMBER
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DRAWING NUMBER
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SHEET NUMBER
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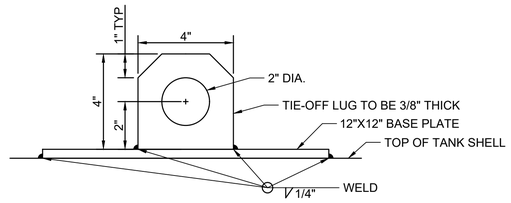


TANK PLAN

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

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

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PAJARO TANK REHABILITATION PLAN

PROJECT NUMBER
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DRAWING NUMBER
M-301

SHEET NUMBER
116 OF 158

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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.

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PAJARO TANK SITE DETAILS

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
M-302

SHEET NUMBER
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C75006
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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
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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

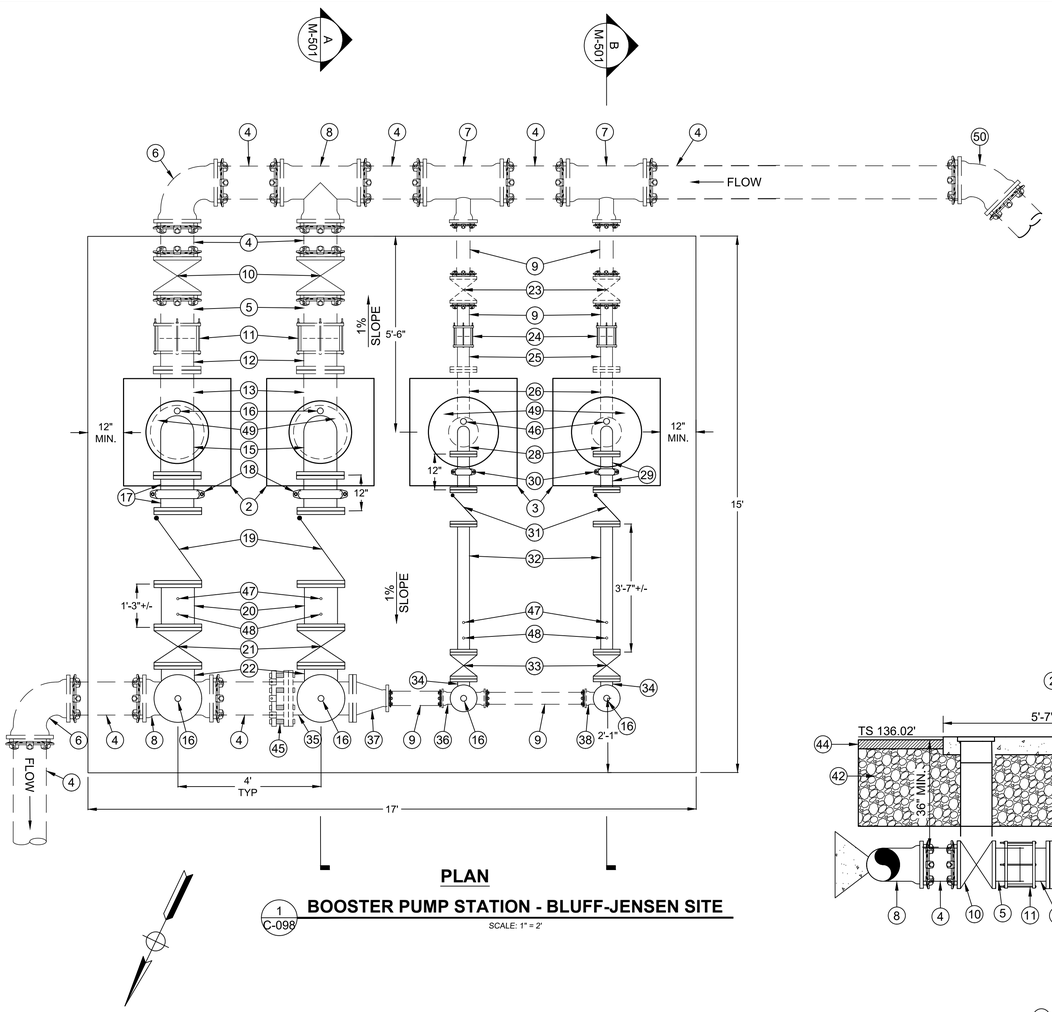
DRAWING NUMBER
M-401

SHEET NUMBER
119 OF **158**

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Wed 26 Jan 26 - 03:55:34 PM by Paige Mahony

BOOSTER PUMP STATION PARTS LIST

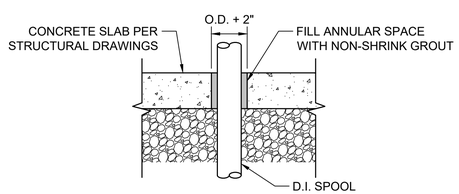
1. CONCRETE SLAB PER STRUCTURAL SHEETS
2. 18" PUMP BARREL SUPPORT PER STRUCTURAL SHEETS
3. 10" PUMP BARREL SUPPORT PER STRUCTURAL SHEETS
4. 10"Ø PVC C900 DR 25 PIPE
5. 10" D.I. PIPE (PE)
6. 10" 90-DEGREE D.I. BEND (MJ) WITH JOINT RESTRAINTS
7. 10" X 4" D.I. TEE (MJ) WITH JOINT RESTRAINTS
8. 10" D.I. 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

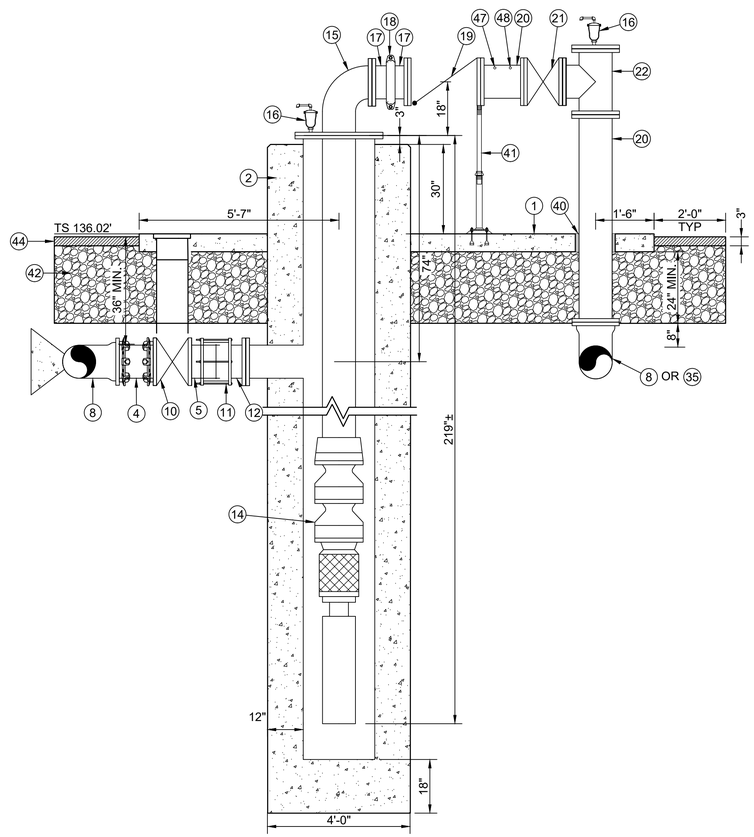
1 / C-098 **BOOSTER PUMP STATION - BLUFF-JENSEN SITE**

SCALE: 1" = 2'



2 / M-501 **SLAB PENETRATION DETAIL**

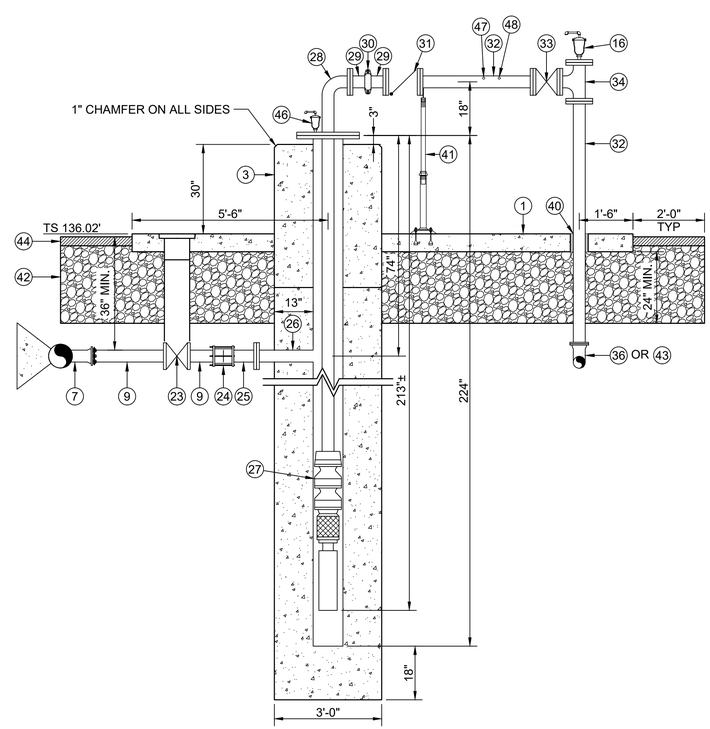
NTS



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'

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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
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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

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Tue 26 Jan 26 12:03:31 PM by Victor Mallory

LINE SYMBOLS

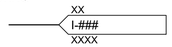
- PROCESS LINE
- CAPILLARY TUBE
- ELECTROMAGNETIC SIGNAL (GUIDED)
- ELECTROMAGNETIC SIGNAL (UNGUIDED)
- HYDRAULIC SIGNAL
- INTERNAL SYSTEM LINK (SOFTWARE OR DATA)
- MECHANICAL LINK
- PNEUMATIC SIGNAL
- SIGNAL LINE
- UNDEFINED SIGNAL

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 / 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.

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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

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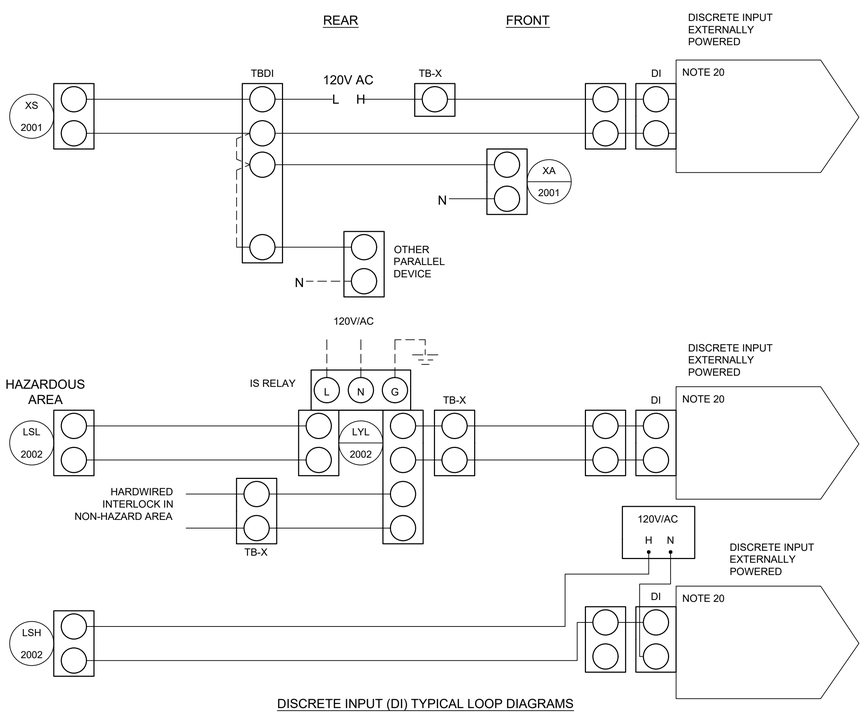
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PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

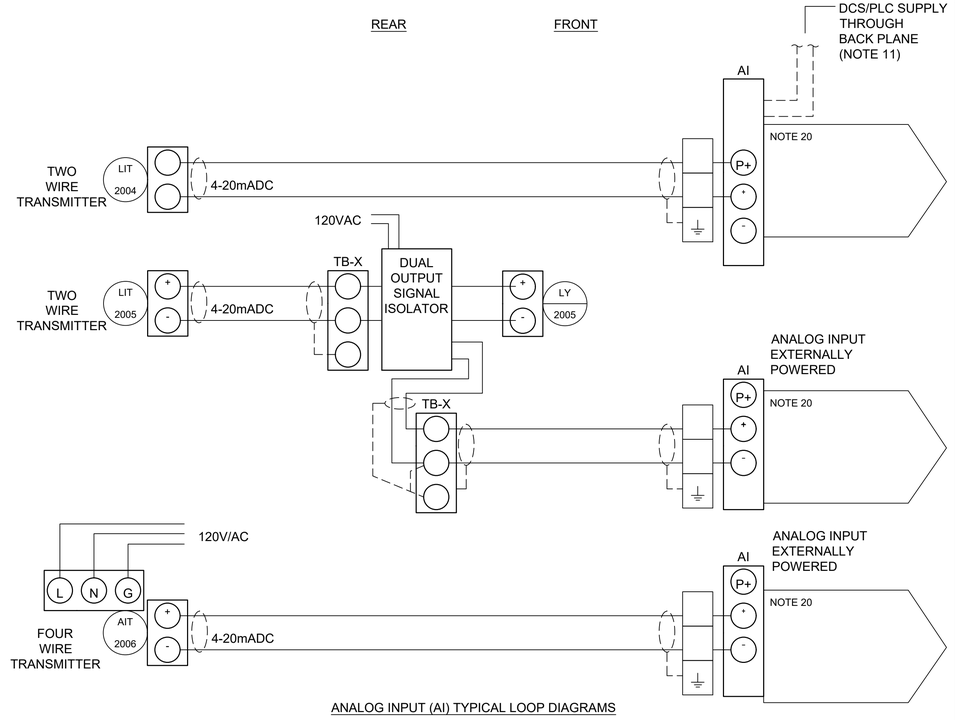
SYMBOLS AND LEGEND - PROCESS & INSTRUMENTATION DIAGRAM

PROJECT NUMBER: CWTRC.200476.05
DRAWING NUMBER: I-001
SHEET NUMBER: 121 OF 158

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Fri 13 Dec 25 - 09:55:04 AM By: Hope Mahony



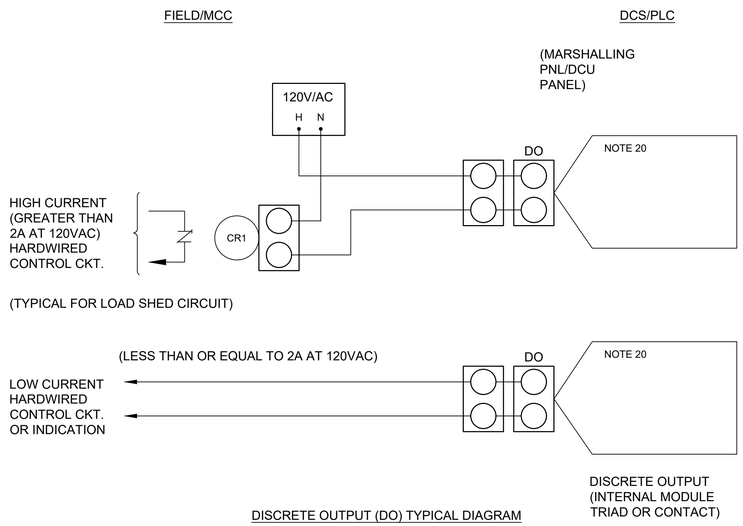
DISCRETE INPUT (DI) TYPICAL LOOP DIAGRAMS



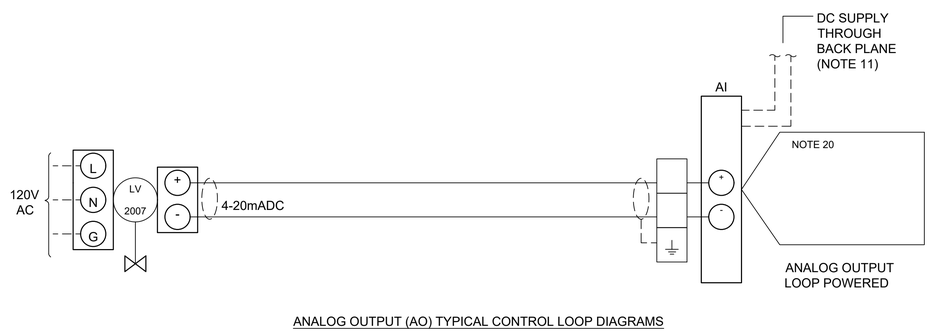
ANALOG INPUT (AI) TYPICAL LOOP DIAGRAMS

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.

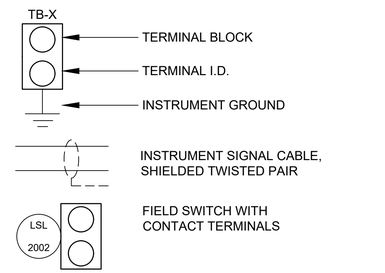


DISCRETE OUTPUT (DO) TYPICAL DIAGRAM



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

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REV	DATE	BY	DESCRIPTION

MNS
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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

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

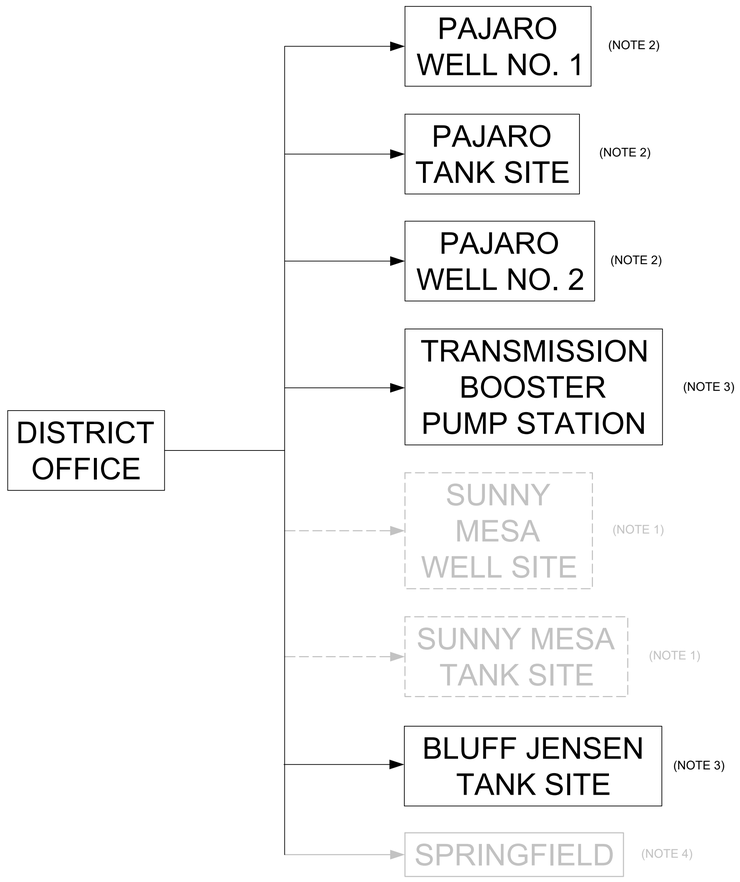
LOOP DIAGRAMS - PROCESS & INSTRUMENTATION DIAGRAM

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
I-002

SHEET NUMBER
122 OF 158

Tue 06 Jan 26 02:55:17 PM by Hoop Mahony C:\Box\Projects\Work - Community Water Consortium_2024\5.28 Plans Prep\2 Engr_CADD 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.

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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

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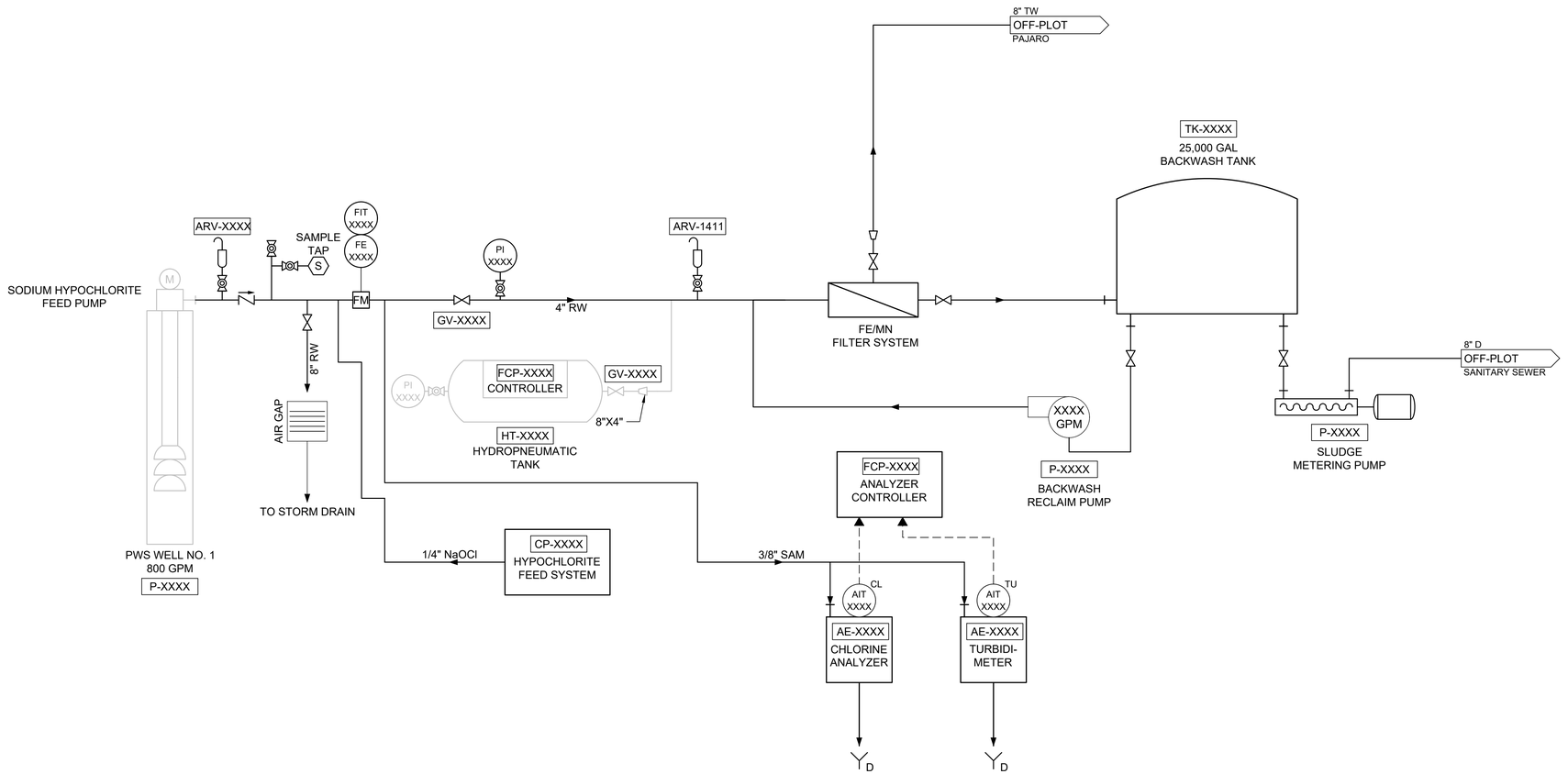
PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

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_Sheets\Network Communication Diagram.dwg
Tue, 06 Jun 25 - 03:05:11 PM by Hope Mallory

FIELD



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

1/26/26
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NICHOLAS E. PANOFSKY
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PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

PAJARO WELL NO. 1 - PROCESS & INSTRUMENTATION DIAGRAM

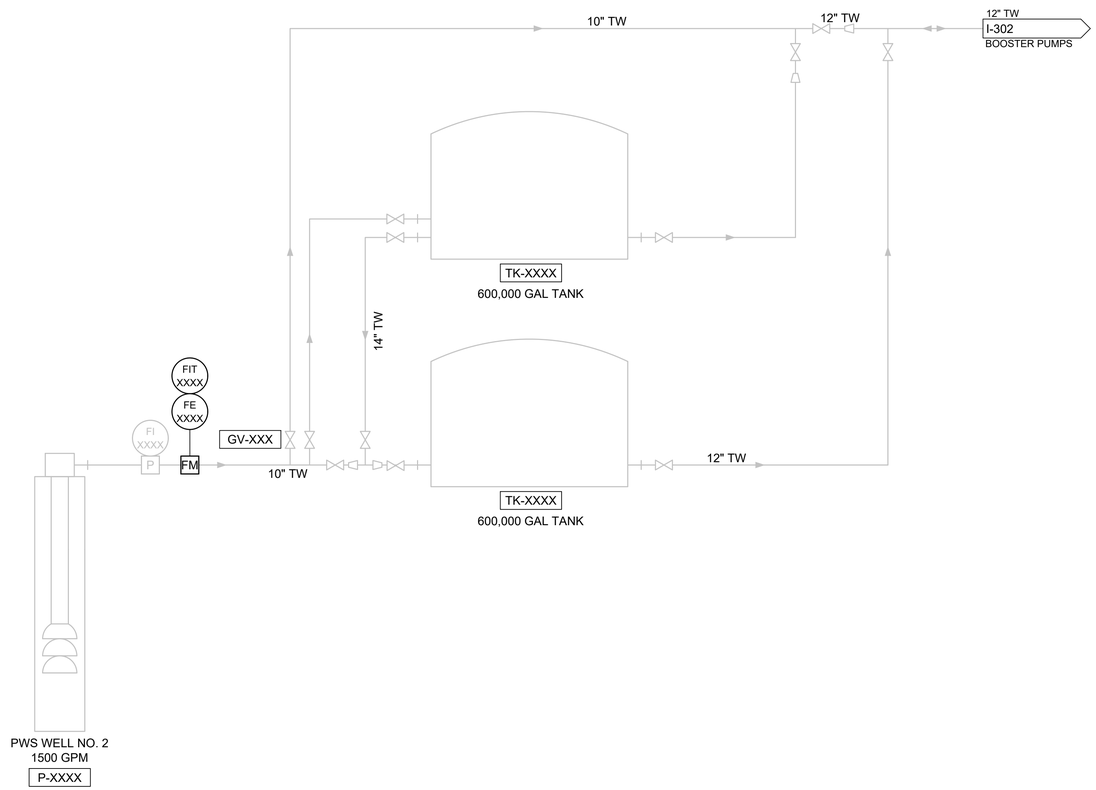
PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
I-201

SHEET NUMBER
124 OF 158

C:\Box\Projects\Sunny Mesa\Consultant\2024\18 Pano Prod Eng_CAD\2 Drawings\I-201 Well No.1 Water Production.dwg
Tue 05 Jun 24 10:56:48 PM by Joyce Mallery

FIELD



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PAJARO TANK WATER PRODUCTION - PROCESS & INSTRUMENTATION DIAGRAM

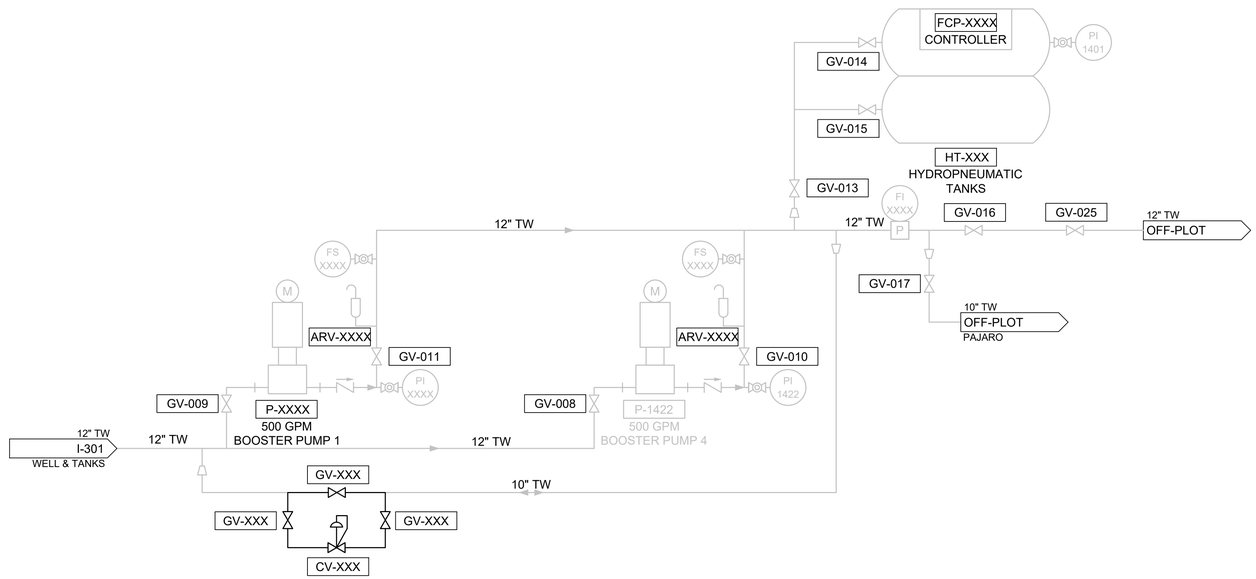
PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
I-301

SHEET NUMBER
125 OF **158**

Tue 06 Jan 26 20:06:43 PM by: Hope Mahney C:\Box\Projects\cwtrc - Community Water Consortium 2024\3.05 Plans Proj\2 Eng_CAD\2 Sheets\Pajaro SMM WC Water Treatment.dwg

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PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

PAJARO TANK BOOSTER PUMP - PROCESS & INSTRUMENTATION DIAGRAM

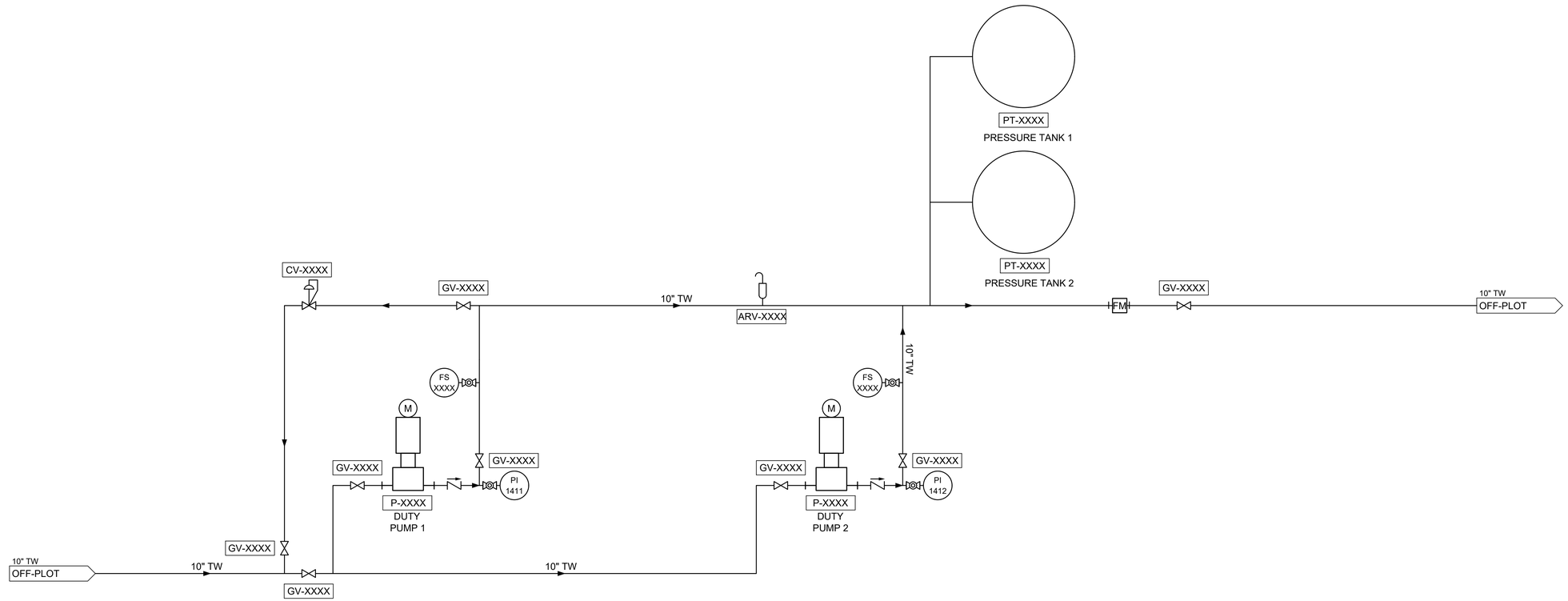
PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
I-302

SHEET NUMBER
126 OF 158

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Tue, 06 Jan 26 - 03:06:41 PM By: Hope Mallory

FIELD



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PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

TRANSMISSION BOOSTER PUMP STATION - PROCESS & INSTRUMENTATION DIAGRAM

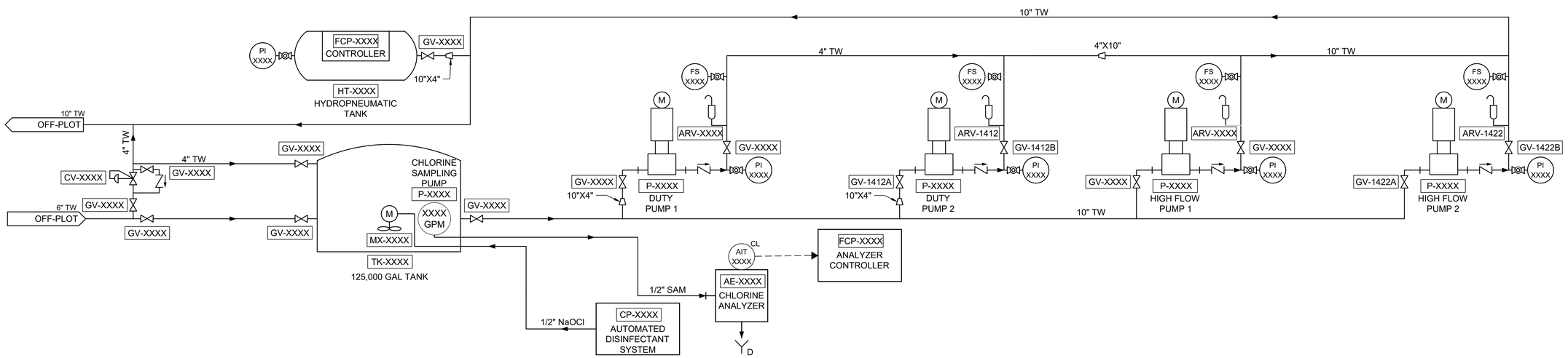
PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
I-401

SHEET NUMBER
127 OF **158**

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Tue, 06 Jan 26 - 03:50:37 PM by Floyd Mallery

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PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

BLUFF-JENSEN PUMP STATION AND STORAGE - PROCESS & INSTRUMENTATION DIAGRAM

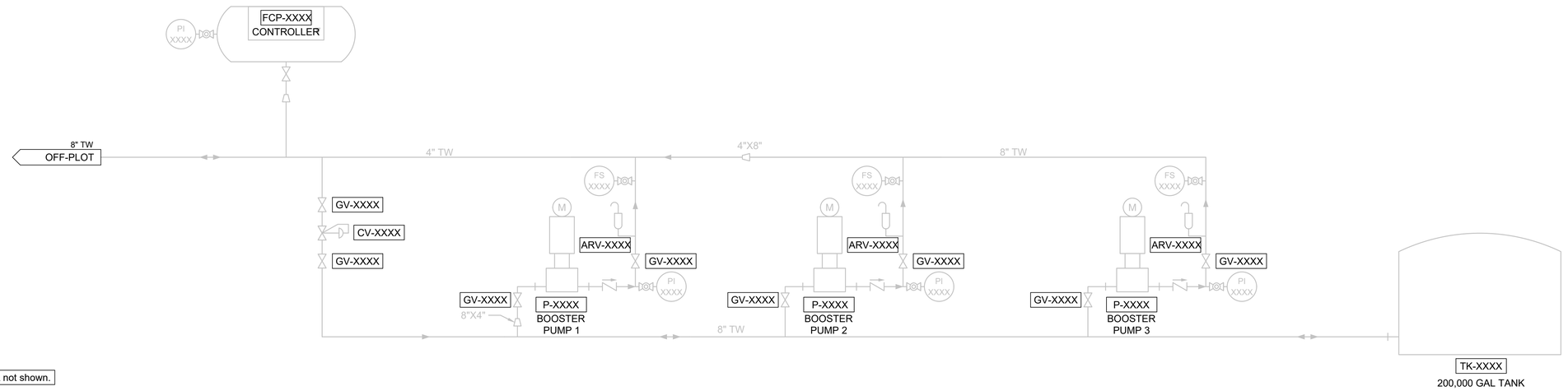
PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
I-501

SHEET NUMBER
128 OF 158

Tue, 06 Jan 26 - 02:55:13 PM by Tonja Mahony
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FIELD



NOTE: Pressure zone 2A not shown.

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CIVIL
STATE OF CALIFORNIA

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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,26 Jun,26 02:55:31 PM by Hoyt Mabrey C:\Box\Projects\mns - Community Water Conservancy\200476.05 Pano Proj\CE Eng_CAD\ 2\Inventory 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 AAL 1211 | AAH 1211 | AI 1211 | TU AI 1221 | AAH 1221

LALL 1311B | LAHH 1311B | LI 1311

RUN NL 1311 | FAIL XA 1311

LALL 1311A | LAHH 1311A | TANK ENABLE HS 1311 | TANK ENABLE HS 1321 | LI 1321 | LALL 1321B | LAHH 1321B | RUN NL 1321 | FAIL XA 1321 | LALL 1321A | LAHH 1321A

FROM I-104 A

MCP-1311
WEST TANK MIXER CONTROL PANEL

MCP-1321
EAST TANK MIXER CONTROL PANEL

ARV-1101A

ARV-1101B

PI 1111

FIT 1111

FE 1111

FS 1111

4" RW

4" TW

GV-1101

PUMP TO WASTE

MSH 1111

TSH 1111

WELL SW-2
P-1111

FCP-1200
ANALYZER CONTROLLER

3/8" SAM

AIT 1211 CL | AIT 1221 TU

AE-1211
CHLORINE ANALYZER

AE-1221
TURBIDI-METER

1/4" NaOCl

P-1211
SODIUM HYPOCHLORITE FEED PUMP

12.5% SODIUM HYPOCHLORITE STORAGE DRUM

GV-1102B

ALT

CV-1102

GV-1102A

8"X4"

4"X8"

GV-1103

4" TW
I-902
DISTRIBUTION

8" TW
I-902
PUMP STATION

8" TW

LIT 1311 | LE 1311 | LSHH 1311 | LSH 1311 | LSL 1311 | LSLL 1311

MX-1311

GV-1311

TK-1311
WEST TANK

LIT 1321 | LE 1321 | LSHH 1321 | LSH 1321 | LSL 1321 | LSLL 1321

MX-1321

GV-1321A

TK-1321
EAST TANK

GV-1321B

4" TW
I-902
PUMP STATION

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.

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QA/QC:	TNH
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NICHOLAS E. PANOFSKY
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R.C.E. 75006 EXP. 12/31/2027

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

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PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

SPRINGFIELD WATER PRODUCTION - PROCESS & INSTRUMENTATION DIAGRAM

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
I-901

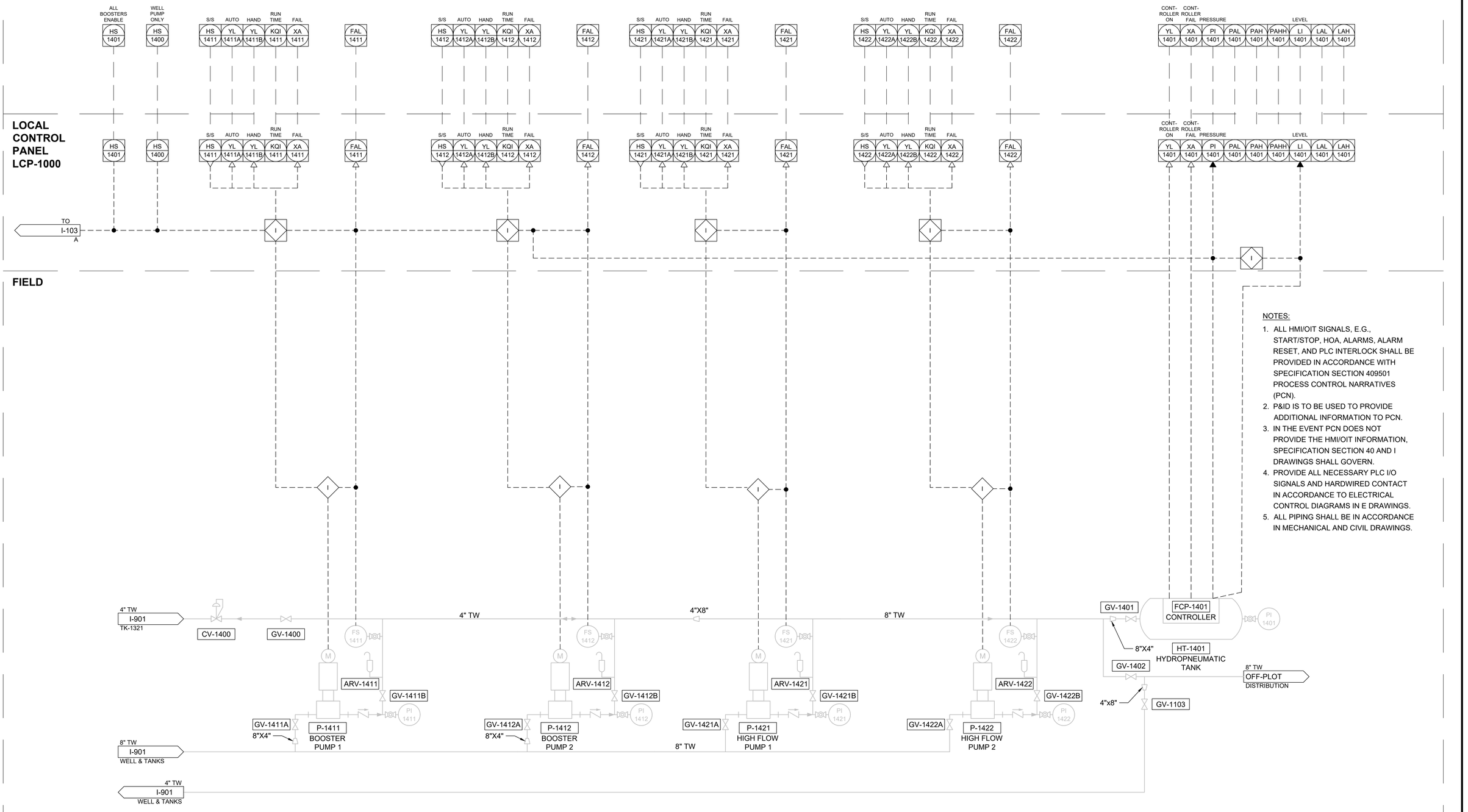
SHEET NUMBER
130 OF 158

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Tue 06 Jan 26 03:23 PM by Hope Mahony
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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.

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QA/QC:	TNH
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PRINCIPAL ENGINEER
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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 Jan 26 03:23 PM by Hope Mallory C:\Bluebeam\Users - Community Water Center\Users\2004\3-06 Plans Prep\3 Eng_CADD 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 04:20:01 PM By: Joseph Klimczyk F:\2025-0000\0003-BMM\SHEETS\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 1/8".

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 ¾-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 ¾-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. ¾-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

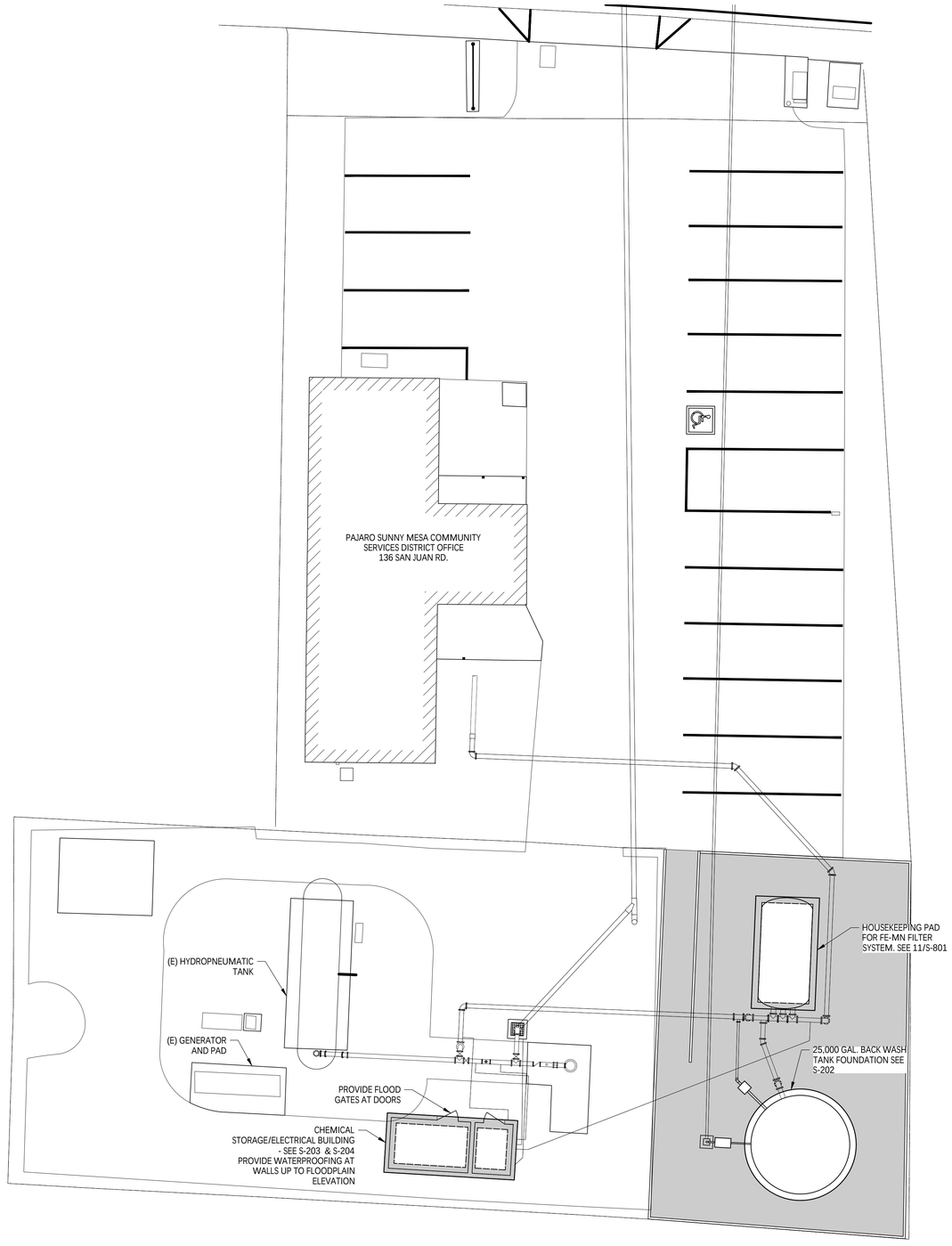
STRUCTURAL NOTES

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
S-002

SHEET NUMBER
133 OF 154

F:\2025-000000\3-BIM\04-CAD\S-101.dwg
Wed 20 Aug 25 04:20:01 PM by: Joseph Klimczyk



STRUCTURAL SITE PLAN

SCALE: 1" = 10'

(VERIFY ALL DIMENSIONS WITH EXISTING CONDITIONS)

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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

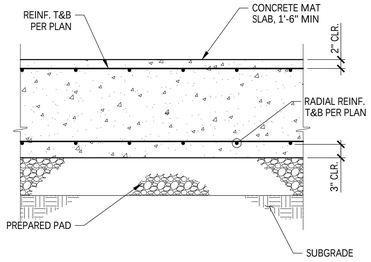
PAJARO WELL No. 1 TREATMENT PLANT STRUCTURAL SITE PLAN

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
S-201

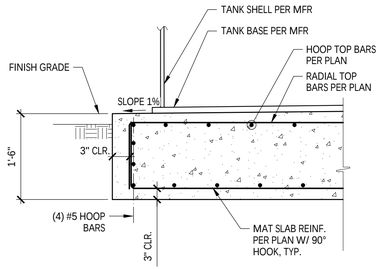
SHEET NUMBER
134 OF **154**

Wed 20 Aug 25 04:30:03 PM by: Joseph Klimczyk F:\2025_00000000\S-BIM\06-CAD\S-201.dwg



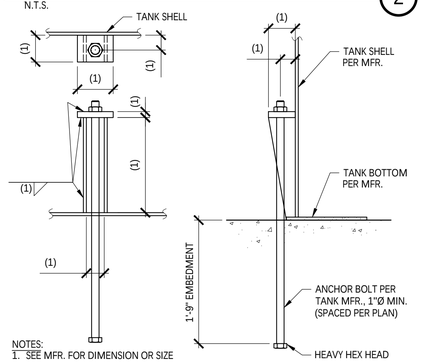
MAT SLAB SECTION 1

N.T.S.



SECTION AT EDGE OF MAT 2

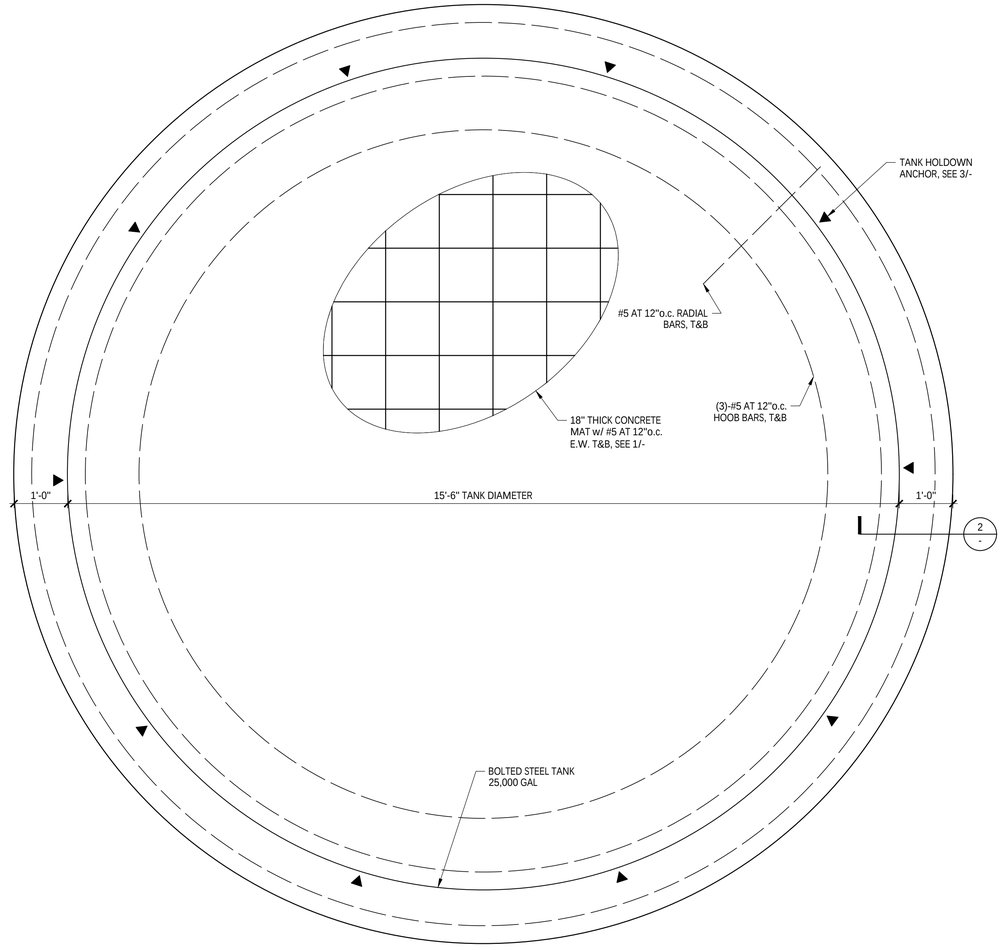
N.T.S.



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****

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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

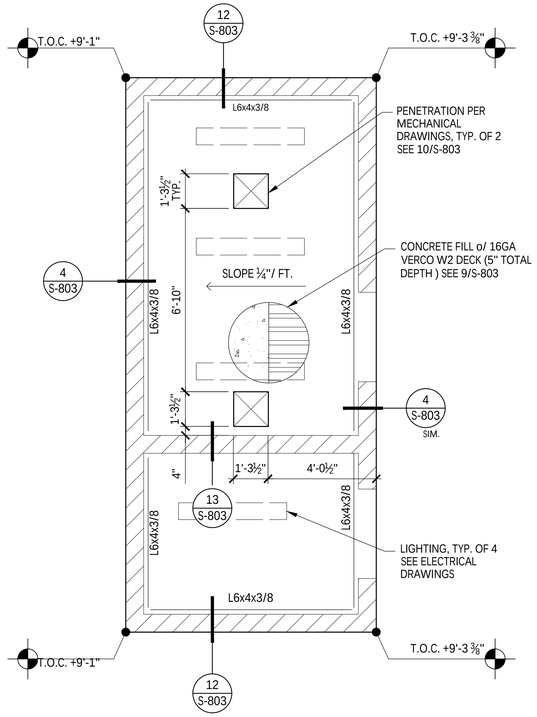
PAJARO WELL No. 1 TREATMENT PLANT
TANK FOUNDATION PLAN & DETAILS

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
S-202

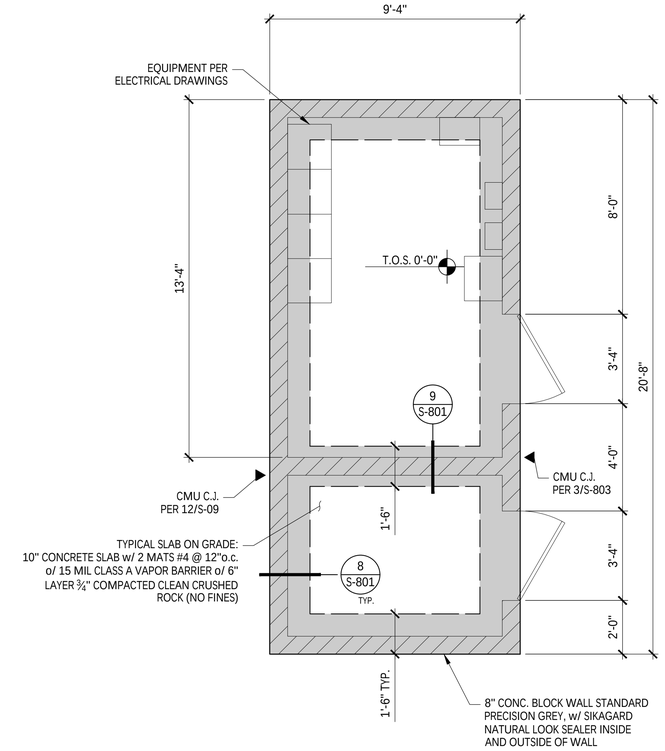
SHEET NUMBER
135 OF 154

Wed 20 Aug 25 04:19:57 PM by: Joseph Klimczyk F:\2025-0\0000003-BM06\CAD\S-202.dwg



ROOF PLAN

SCALE: 3/8" = 1'-0"

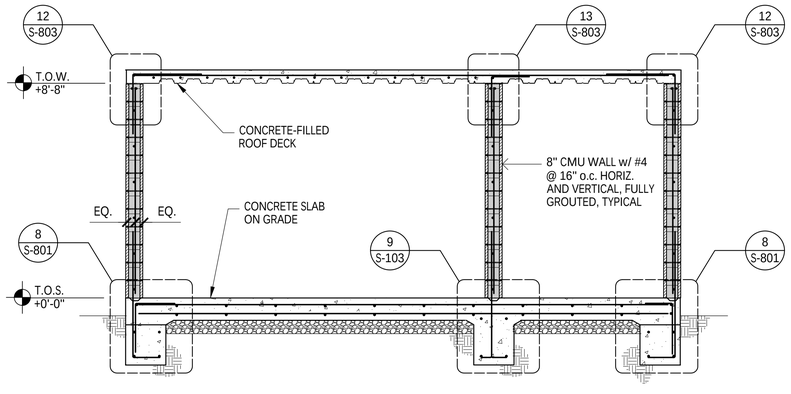


FOUNDATION PLAN

SCALE: 3/8" = 1'-0"

PLAN NOTES:

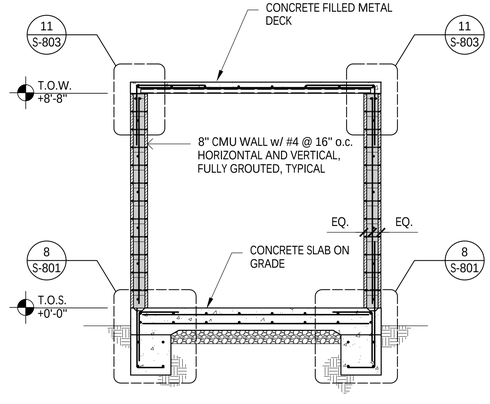
1. SEE CIVIL DRAWINGS FOR ELEVATIONS
2. SEE 10/S-801 FOR FOUNDATION PREPARATION
3. SEE S-803 FOR TYPICAL CMU DETAILS
4. SEE 8/S-803 FOR DOOR SPECIFICATION



SECTION

3/8" = 1'-0"

2



SECTION

3/8" = 1'-0"

1

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

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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

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

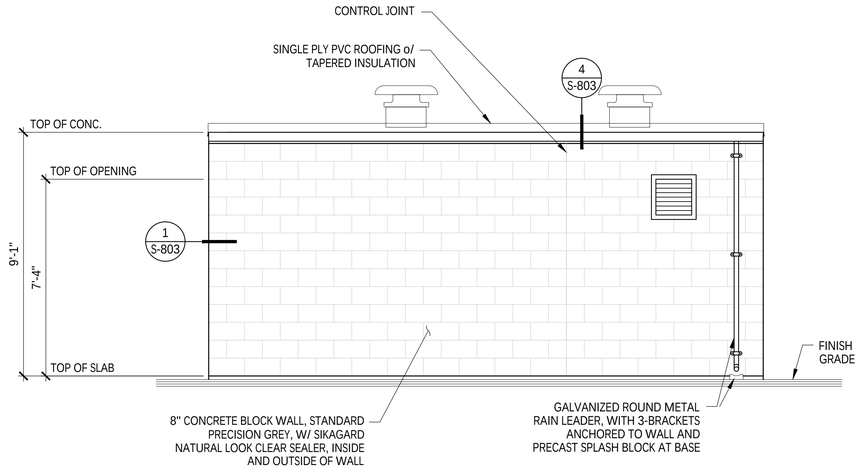
PAJARO WELL No. 1 TREATMENT PLANT FOUNDATION PLAN & ROOF FRAMING PLAN

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
S-203

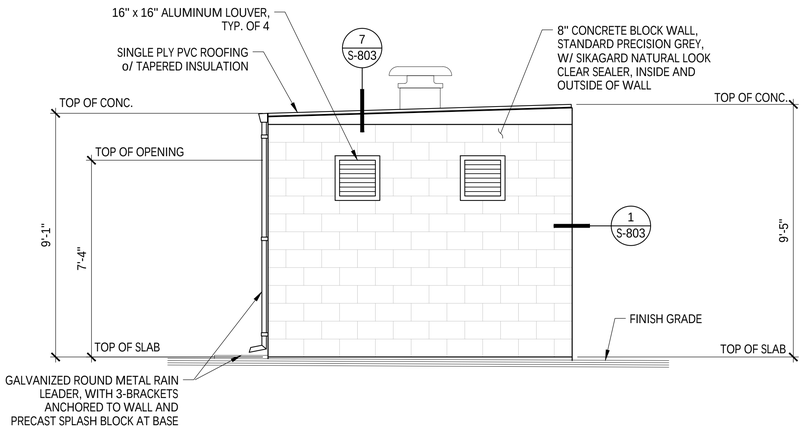
SHEET NUMBER
136 OF 154

Wed 20 Aug 25, 04:30:06 PM by: Joseph Klimczyk F:\2025-0060\2003-BIM\06-CAD\S-203.dwg



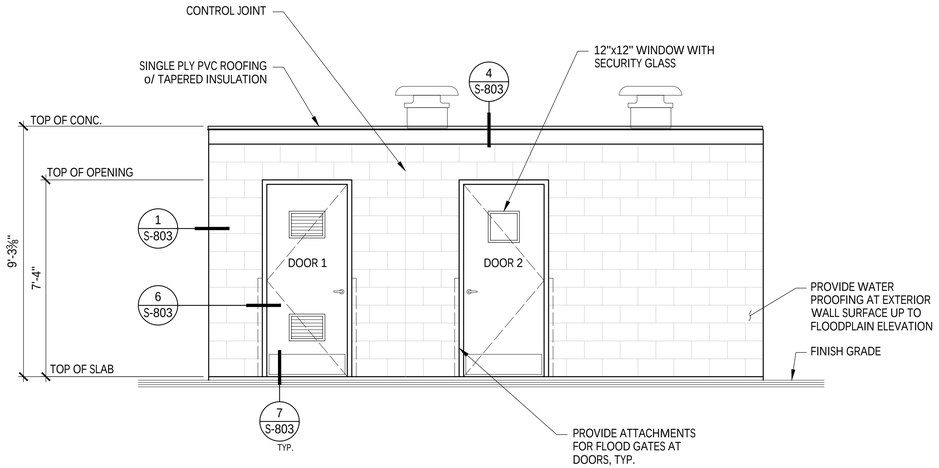
WEST ELEVATION (W)

3/8" = 1'-0"



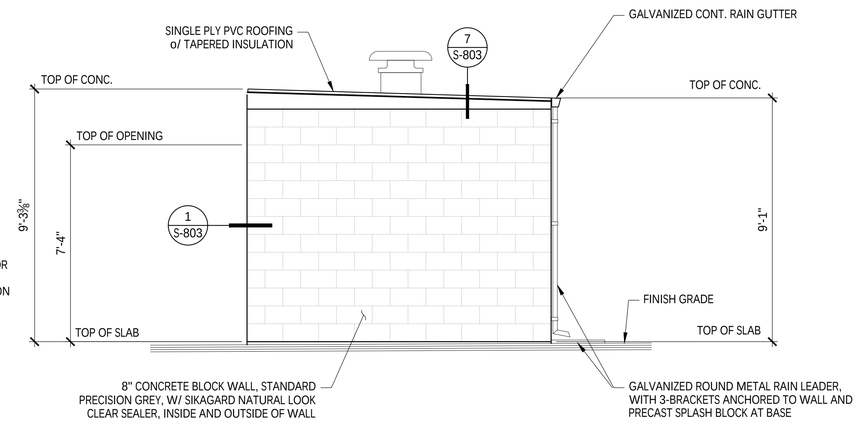
SOUTH ELEVATION (S)

3/8" = 1'-0"



EAST ELEVATION (E)

3/8" = 1'-0"



NORTH ELEVATION (N)

3/8" = 1'-0"

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

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811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401
805-787-0326 | www.mnsengineers.com

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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

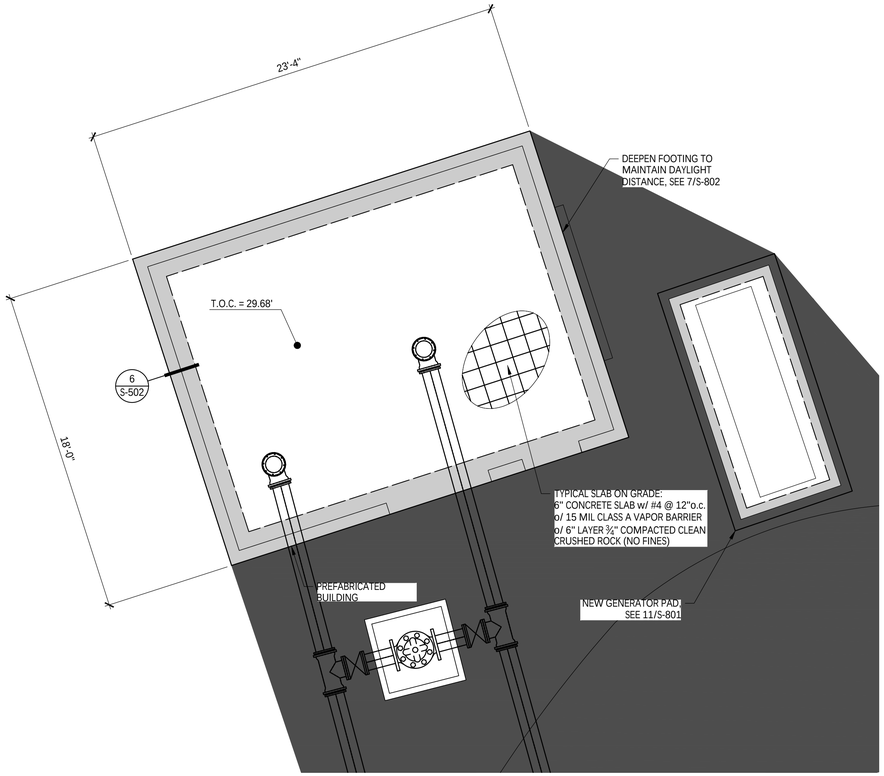
PAJARO WELL No. 1 TREATMENT PLANT ELEVATIONS

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:\2025-0060\2003-BIM\06-CAD\S-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****

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811 El Capitan Way, Suite 130
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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

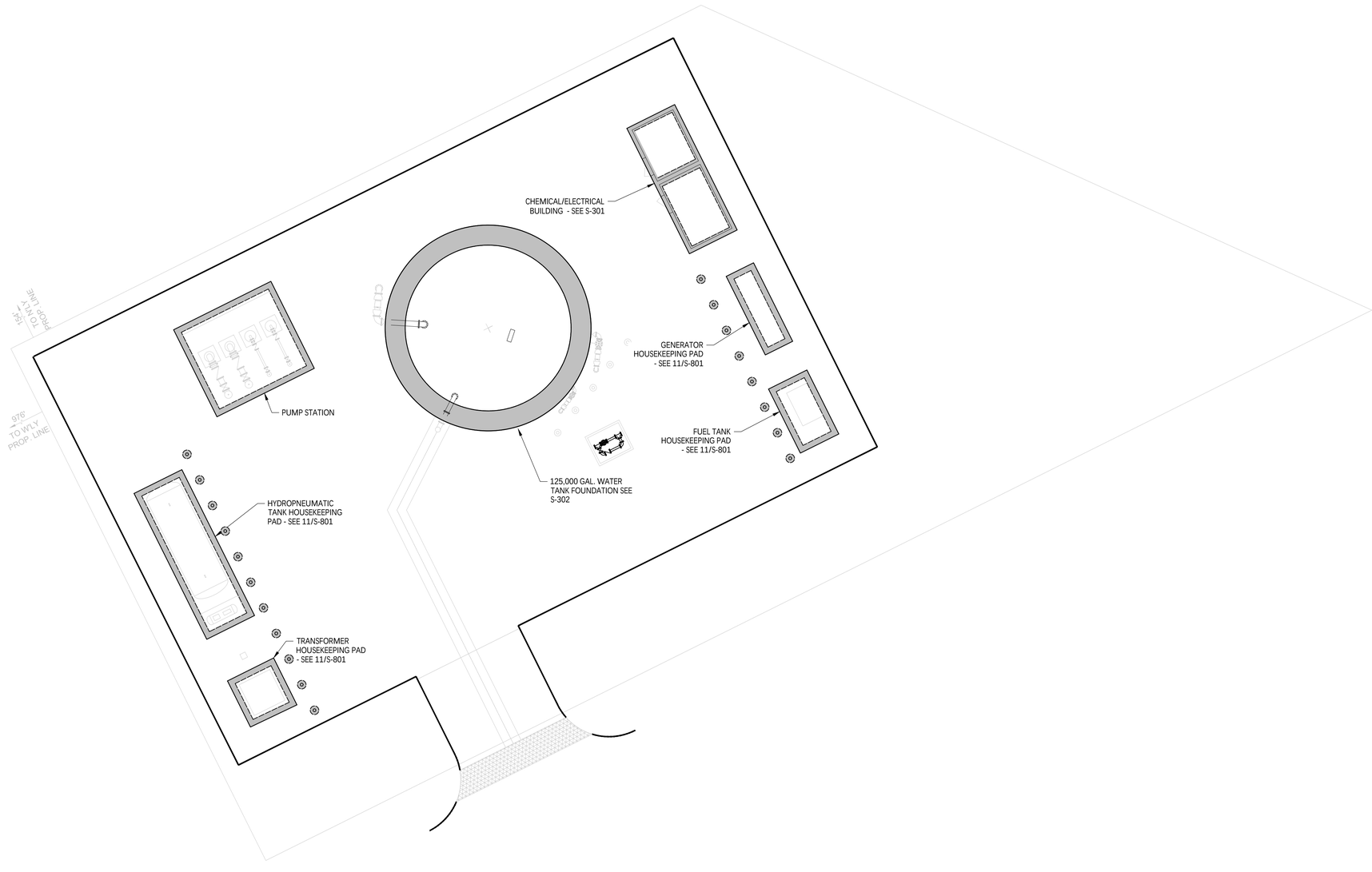
TRANSMISSION BOOSTER PUMP STATION FOUNDATION PLAN

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
S-401

SHEET NUMBER
138 OF **154**

Wed 20 Aug 25 04:21:15 PM by: Joseph Klimczyk F:\2025-0060\0003-BM\06-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:
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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

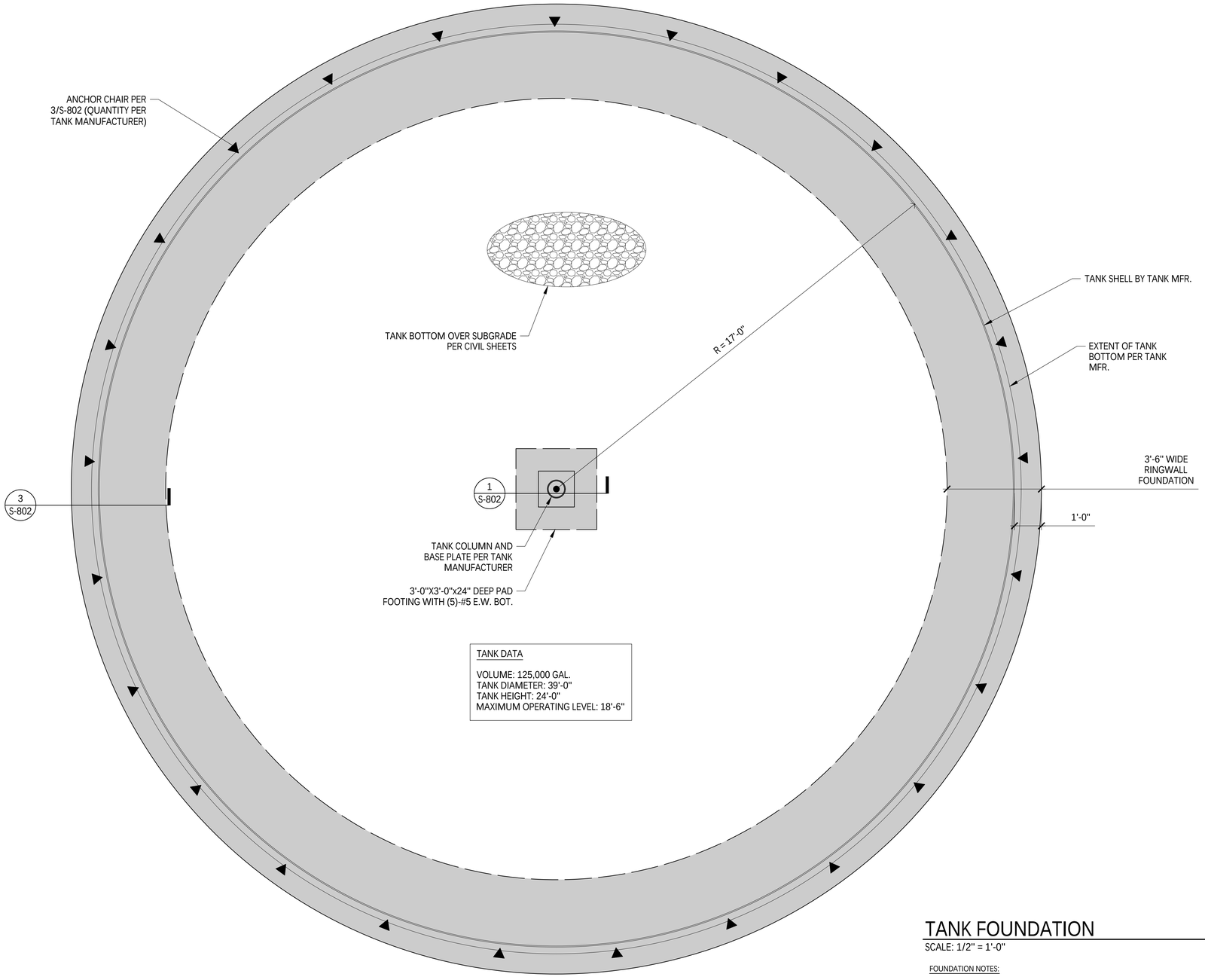
BLUFF/JENSEN PUMP STATION
STRUCTURAL SITE PLAN

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
S-501

SHEET NUMBER
139 OF 154

Wed 20 Aug 25 04:42:10 PM by: JosephKlimczyk F:\2025-000000\03-BM006\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****

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MNS
811 El Capitan Way, Suite 130
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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

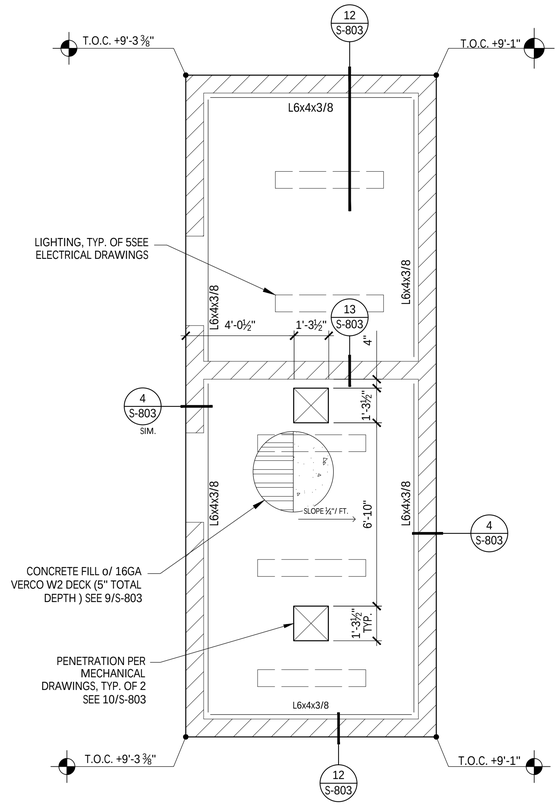
BLUFF/JENSEN PUMP STATION
TANK FOUNDATION PLAN

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
S-502

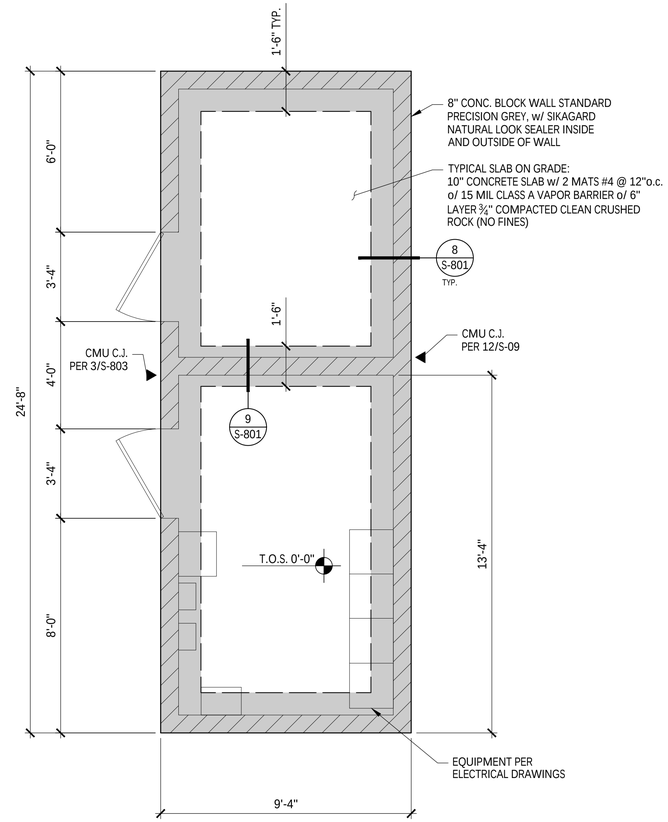
SHEET NUMBER
140 OF 154

Wed 20 Aug 25 04:42:03 PM by Joseph Klimczyk F:\2025-0500\0503-BM006\CAD\S-502.dwg



ROOF PLAN

SCALE: 3/8" = 1'-0"

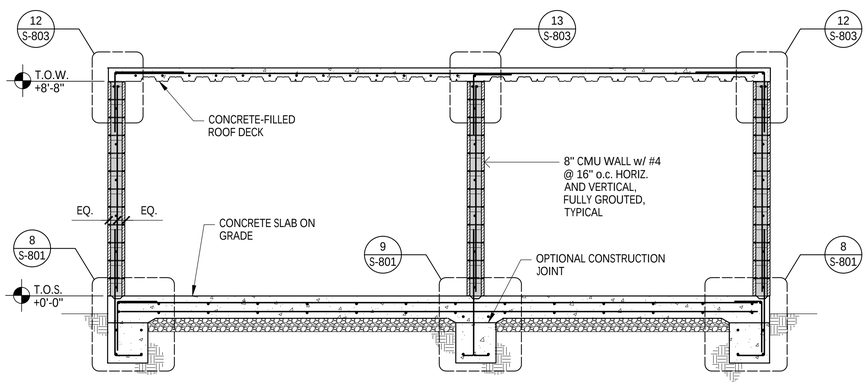


FOUNDATION PLAN

SCALE: 3/8" = 1'-0"

PLAN NOTES:

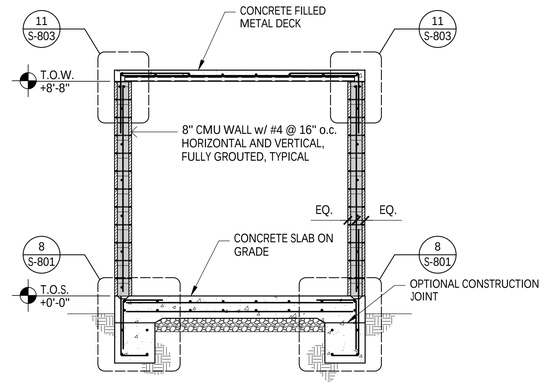
1. SEE CIVIL DRAWINGS FOR ELEVATIONS
2. SEE 10/S-801 FOR FOUNDATION PREPARATION
3. SEE S-803 FOR TYPICAL CMU DETAILS
4. SEE 8/S-803 FOR DOOR SPECIFICATION



SECTION

3/8" = 1'-0"

2



SECTION

3/8" = 1'-0"

1

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

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MICHAEL E. PAROLINI
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S5405

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BUEHLER
811 EL CAPITAN WAY, SUITE 240
SAN LUIS OBISPO, CA 93401
916 778 0084

0 1/2 1 2

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

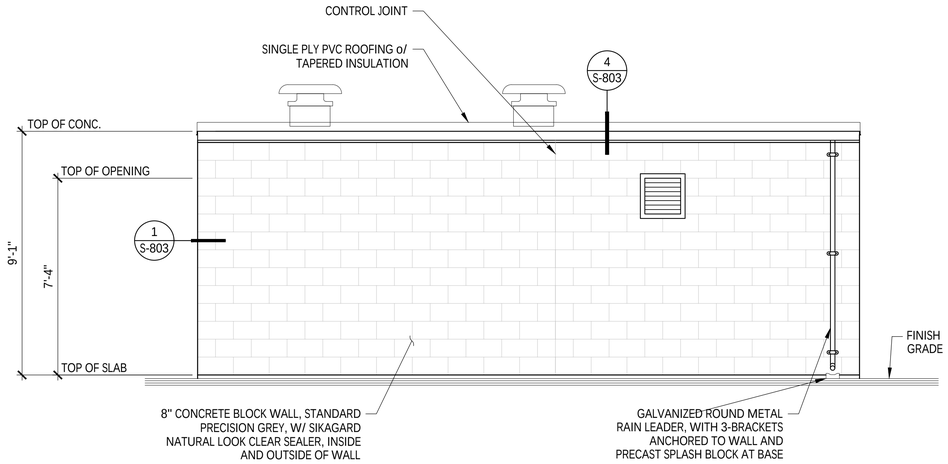
BLUFF/JENSEN PUMP STATION
FOUNDATION PLAN & ROOF FRAMING PLAN

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
S-503

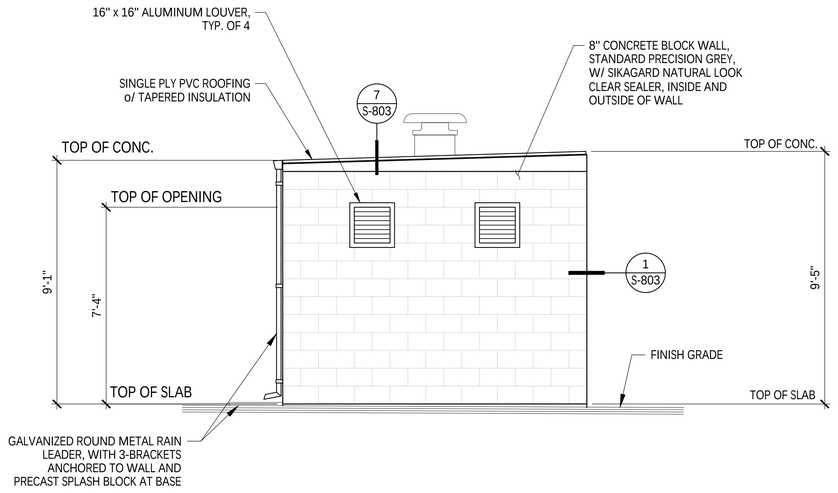
SHEET NUMBER
141 OF **154**

F:\2025\00000003\BIM\04\CAD\S-503.dwg
Wed 20 Aug 25, 04:36:50 PM by: Joseph Klimczyk



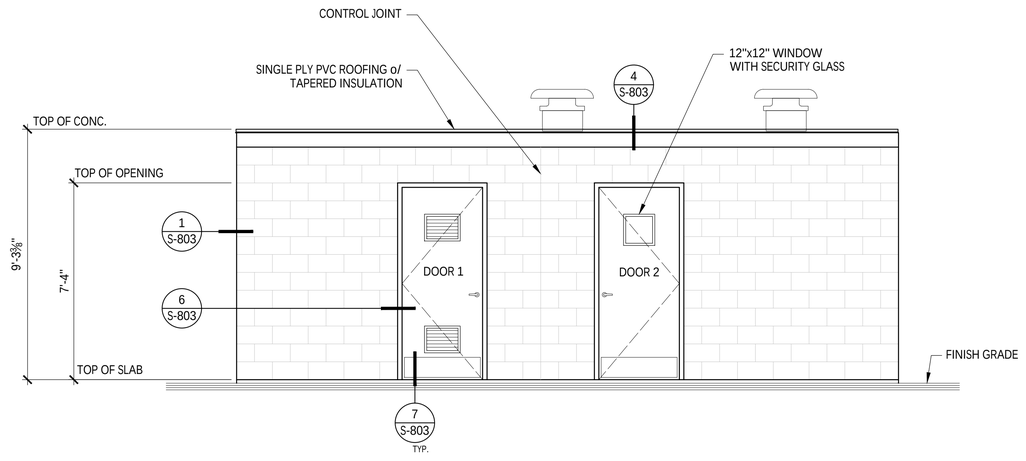
EAST ELEVATION (W)

3/8" = 1'-0"



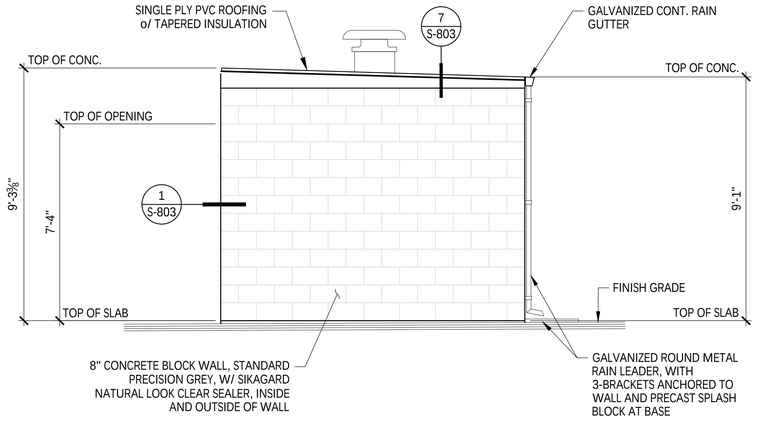
SOUTH ELEVATION (S)

3/8" = 1'-0"



WEST ELEVATION (E)

3/8" = 1'-0"



NORTH ELEVATION (N)

3/8" = 1'-0"

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MICHAEL E. PAROLINI
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S5405

05.08.2025
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BUEHLER
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916 778 0084

0 1/2 1 2
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PAJARO - SUNNY MESA - SPRINGFIELD AREA REGIONAL CONSOLIDATION
PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

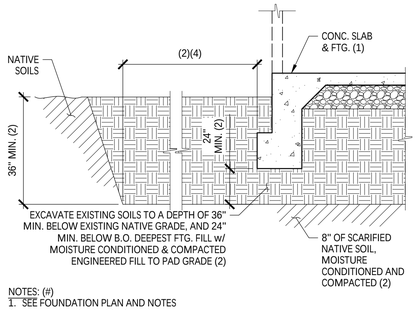
BLUFF/JENSEN PUMP STATION ELEVATIONS

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
S-504

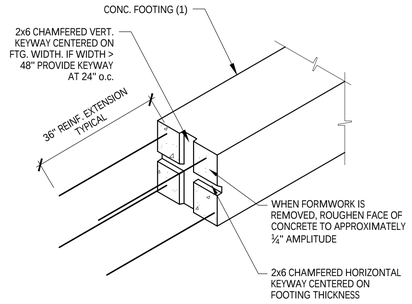
SHEET NUMBER
142 OF **154**

Wed 20 Aug 25 04:39:16 PM by: Joseph Klimcyk F:\2025-0060\2003-BIM\06-CAD\S-504.dwg



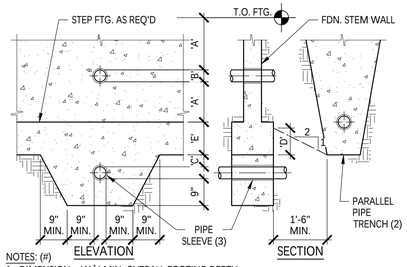
NOTES: (#)
1. SEE FOUNDATION PLAN AND NOTES
2. REFER TO PROJECT SOILS REPORT
3. DETAIL IS APPLICABLE TO WATER STORAGE TANK, CMU BUILDING, PUMP STATION, HYDROPNEUMATIC TANK PAD, AND EQUIPMENT HOUSEKEEPING PADS
4. EXTEND EXCAVATION 5'-0" BEYOND OUTSIDE EDGE OF PROPOSED EXTERIOR FOOTINGS

FOUNDATION PAD PREP.
N.T.S. 10



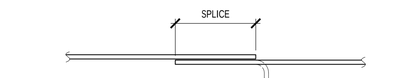
NOTES:
1. SEE FOUNDATION PLAN AND NOTES

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

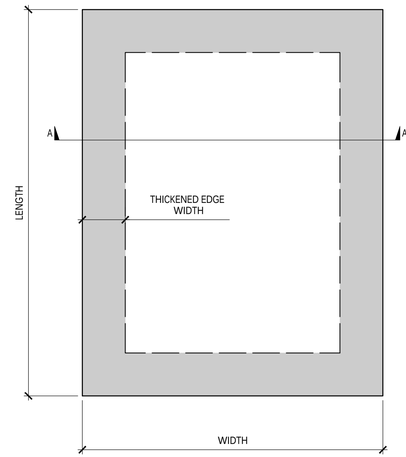
PIPE THROUGH FOOTING
N.T.S. 4



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

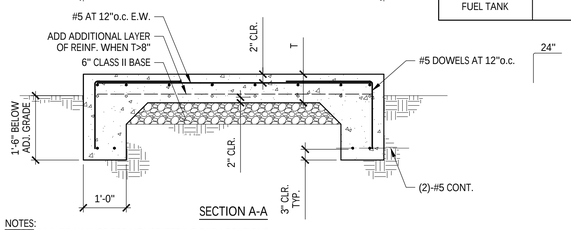
NOTES: (#)
1. LAP LENGTHS LISTED APPLY TO ALL LOCATIONS: VERTICAL, HORIZONTAL, TOP, BOTTOM, AND SITE WALLS
2. WHERE BARS OF A DIFFERENT SIZE ARE LAPPED, THE LAP LENGTH SHALL BE THE LENGTH REQUIRED BY THE LARGER BAR
3. ALL SPLICES SHALL BE CONSIDERED CLASS B UNLESS SPECIFICALLY NOTED OTHERWISE
4. SPLICES OF SLAB ON GRADE REINFORCEMENT MAY UTILIZE CLASS A SPLICE LENGTHS

TYPICAL LAP SPLICES
N.T.S. 1



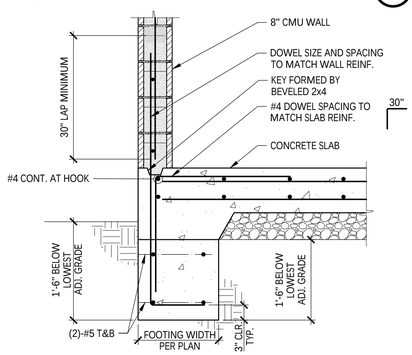
WELL SITE No. 1					
EQUIPMENT	EQUIP. WEIGHT	SLAB THICKNESS, T	PAD WIDTH	PAD LENGTH	REMARKS
FE/MN FILTER SYSTEM		12"	10'-0"	17'-8"	
STORAGE SHED		8"	14'-10"	11'-9"	

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"	

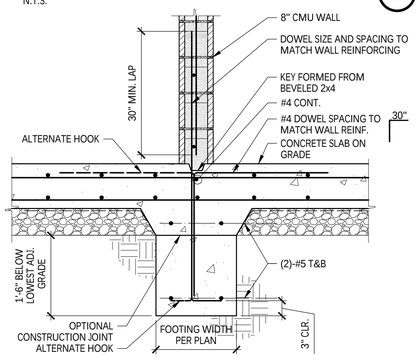


NOTES:
1. SEE CIVIL DRAWINGS FOR HOUSEKEEPING PAD LOCATIONS
2. SEE 10/- FOR PAD PREP AT HOUSEKEEPING PADS

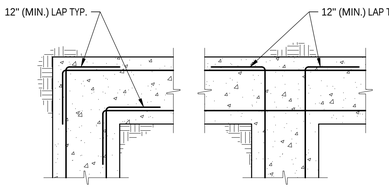
HOUSEKEEPING PAD
N.T.S. 11



CMU WALL TO FOOTING
N.T.S. 8



CMU WALL TO FOOTING
N.T.S. 9



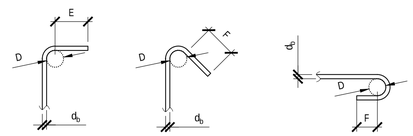
PLAN VIEW

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

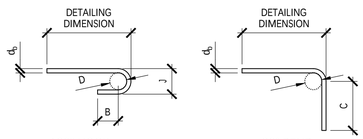
REINFORCMENT CLEAR COVER		
USE	BAR SIZE	CLEAR COVER
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	#3 THROUGH #11	3"
FORMED CONCRETE EXPOSED TO EARTH OR WEATHER	#6 THROUGH #11	2"
	#5 AND SMALLER	1½"
WALLS	#11 AND SMALLER	¾"
BEAMS	#11 AND SMALLER	1½"
SLABS	#6 THROUGH #11	¾"
	#5 AND SMALLER	½"

TYPICAL CONCRETE COVER
N.T.S. 6



90° BEND 135° BEND 180° BEND

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"



180° HOOK 90° BEND

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

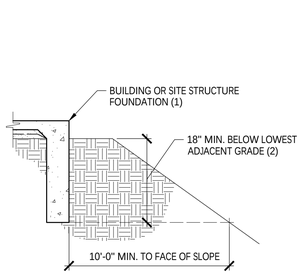
0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

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

TYPICAL DETAILS

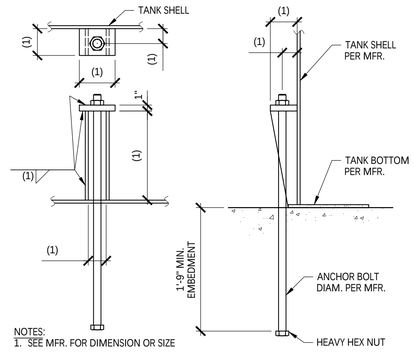
PROJECT NUMBER
CWTRC.200476.05
DRAWING NUMBER
S-801
SHEET NUMBER
143 OF 154

Wed 20 Aug 25 04:29:56 PM by: Joseph Kirkeyce F:\2025-000000\03-SHEARDE-CAD\S-801.dwg



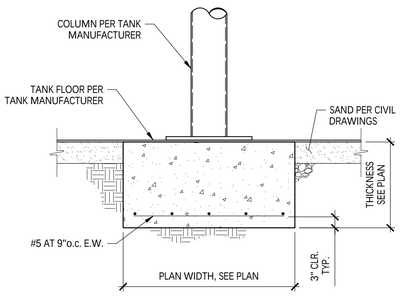
NOTES: (#)
1. SEE FOUNDATION PLAN AND NOTES
2. REFER TO PROJECT SOILS REPORT

FOOTING ADJ. TO SLOPE 7
N.T.S.

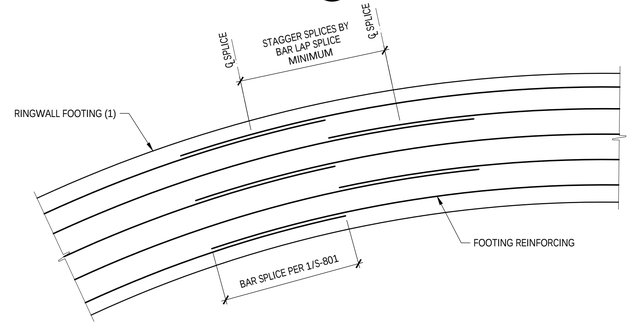


NOTES:
1. SEE MFR. FOR DIMENSION OR SIZE

ANCHOR BOLT DETAIL 4
N.T.S.

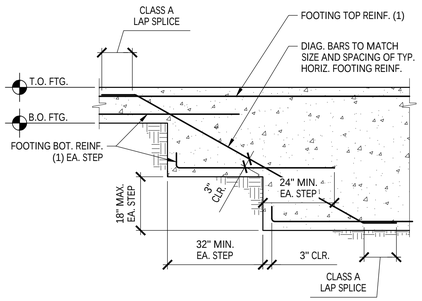


FOOTING AT TANK COLUMN 1
N.T.S.



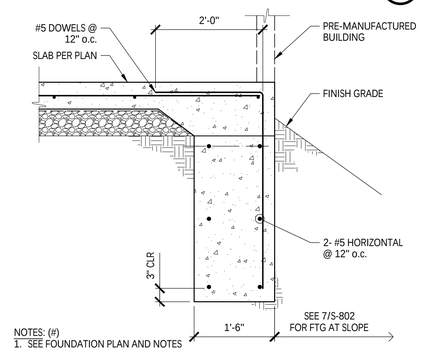
NOTES: (#)
1. SEE FOUNDATION PLAN AND NOTES

FOOTING REINFORCING SPLICE 5
N.T.S.



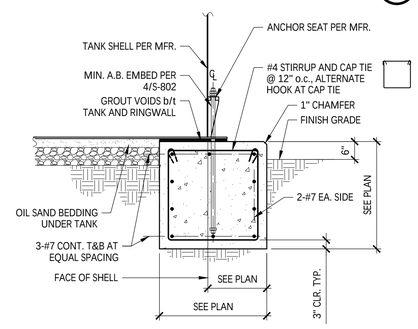
NOTES: (#)
1. SEE FOUNDATION PLAN AND NOTES

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
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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

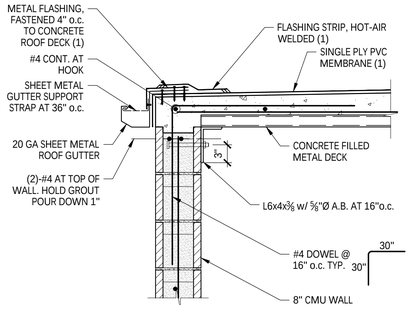
0 1/2 1 2
THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.

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**

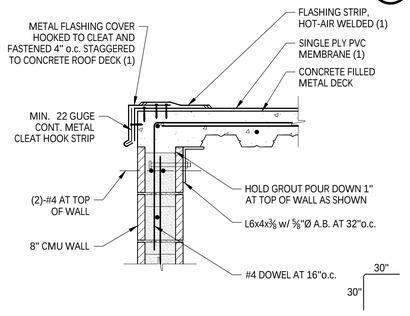
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NOTES: (#)
1. INSTALL PER MANUFACTURER'S INSTRUCTIONS, SPECIFICATIONS AND APPLICABLE DETAILS

DECK TO WALL 11

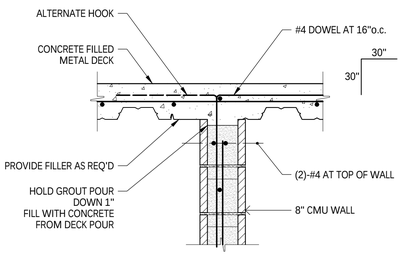
N.T.S.



NOTES: (#)
1. INSTALL PER MANUFACTURER'S INSTRUCTIONS, SPECIFICATIONS AND APPLICABLE DETAILS

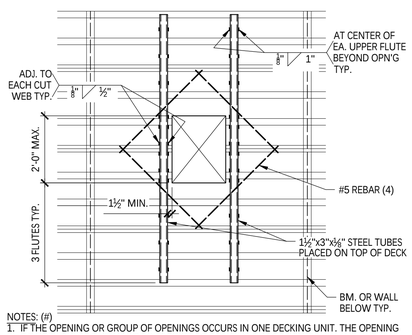
DECK TO WALL 12

N.T.S.



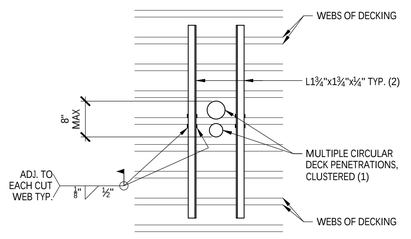
DECK TO WALL 13

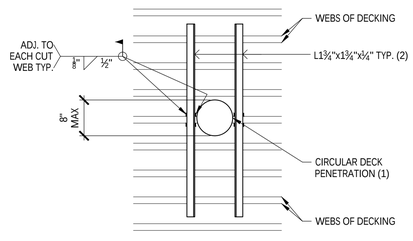
N.T.S.



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



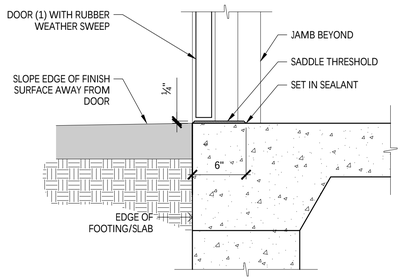


HOLES CUTTING NO MORE THAN TWO ADJACENT WEBS

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:

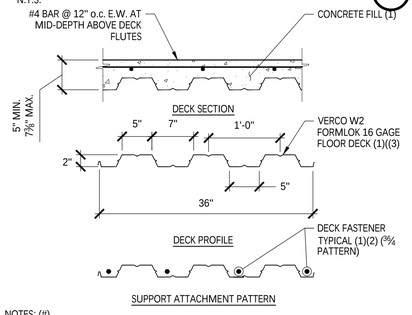
HARDWARE GROUP NO. 01
1. FRP DOOR w/ FRP DOOR FRAME
2. 16" x 12" STEEL LOUVER TOP AND BOTTOM
3. FULL MORTISE HINGES
4. FIRE EXIT HARDWARE
5. RIM CYLINDER
6. FSIC CORE
7. SURFACE MOUNT CLOSER
8. KICK PLATE EACH SIDE
9. RAIN DRIP
10. GASKETING
11. 36" DOOR SWEEP
12. SADDLE THRESHOLD

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.

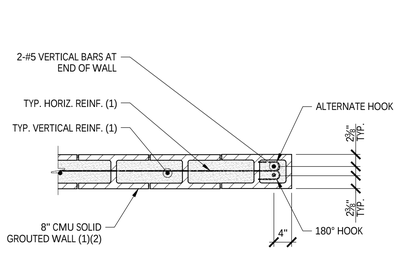


SUPPORT ATTACHMENT PATTERN

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.

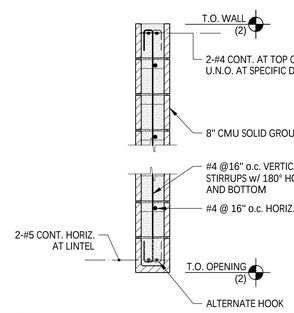
DECK PROFILE 9

N.T.S.



TYP. CMU JAMB - PLAN VIEW 4

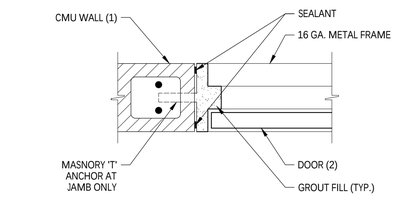
N.T.S.



NOTES: (#)
1. SEE FRAMING PLAN AND NOTES
2. SEE ELEVATIONS

TYP. CMU LINTEL 5

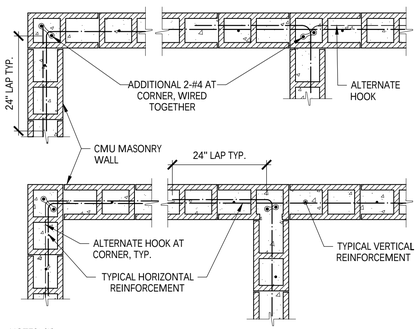
N.T.S.



NOTES: (#)
1. SEE PLANS AND NOTES
2. SEE 8/S-803 FOR DOOR SPECIFICATIONS

DOOR JAMB 6

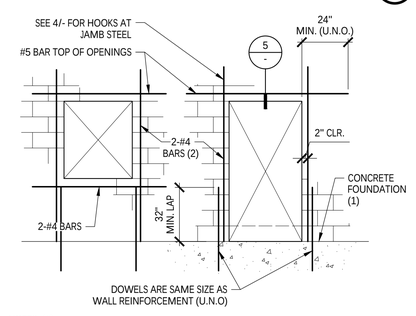
N.T.S.



NOTES: (#)
1. SEE FOUNDATION PLAN AND NOTES

TYP. CMU CORNER 1

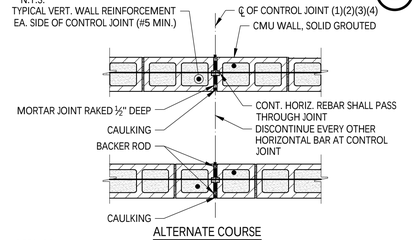
N.T.S.



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.

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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
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916 778 0084

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PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

TYPICAL DETAILS

PROJECT NUMBER
CWTRC.200476.05

DRAWING NUMBER
S-803

SHEET NUMBER
145 OF 154

Wed 20 Aug 25 04:23:58 PM by: Joseph Klimczyk P:\2025-JOS\000003-SMMS-CAD\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.

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

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JILL E. JOHNSON
ELECTRICAL ENGINEER
E.E. 15149 EXP. 06/30/2026

08/25/2025
DATE

REGISTERED PROFESSIONAL ENGINEER — JILL E. JOHNSON — No. 15149 — 06/26 — ELECTRICAL — STATE OF CALIFORNIA

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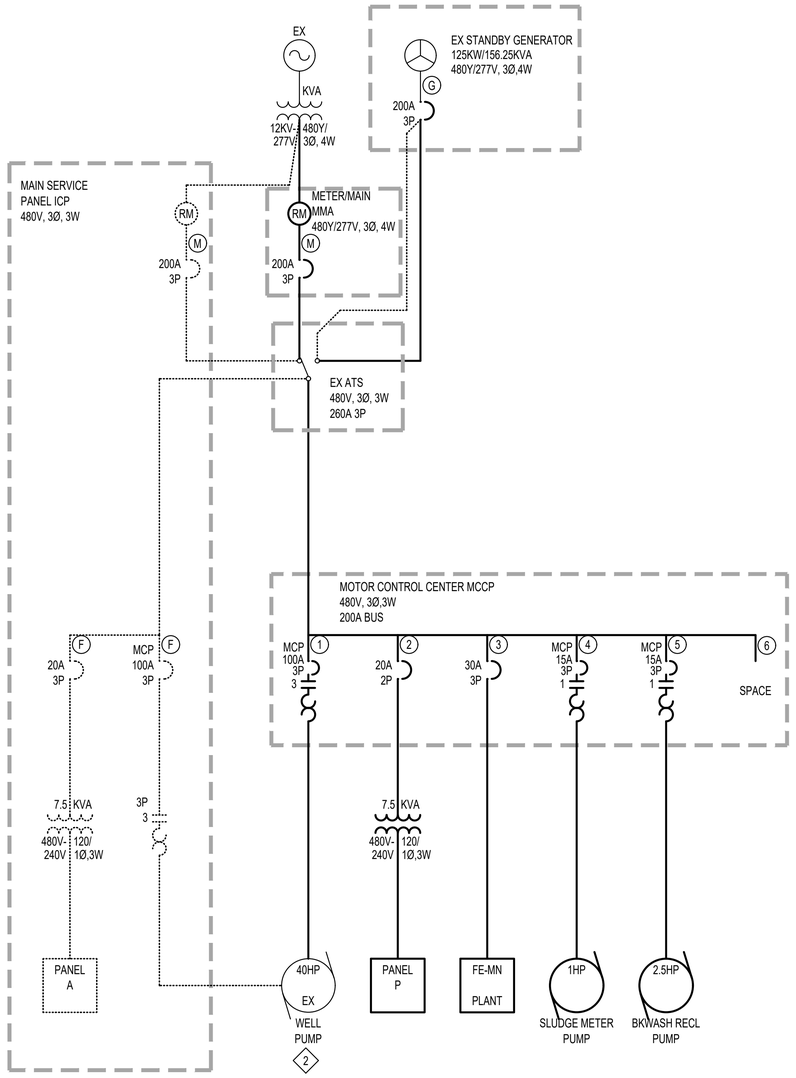
SYMBOL LISTS, LUMINAIRE SCHEDULE, DETAILS

PROJECT NUMBER: CWTRC.200476.06

DRAWING NUMBER: E-001

SHEET NUMBER: 146 OF 154

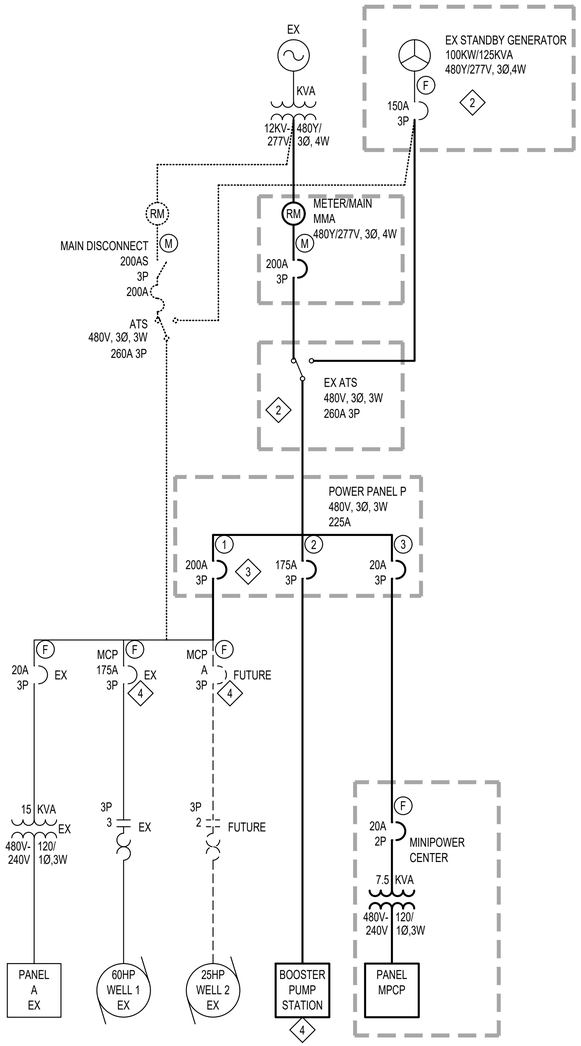
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DETAIL NOTES

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



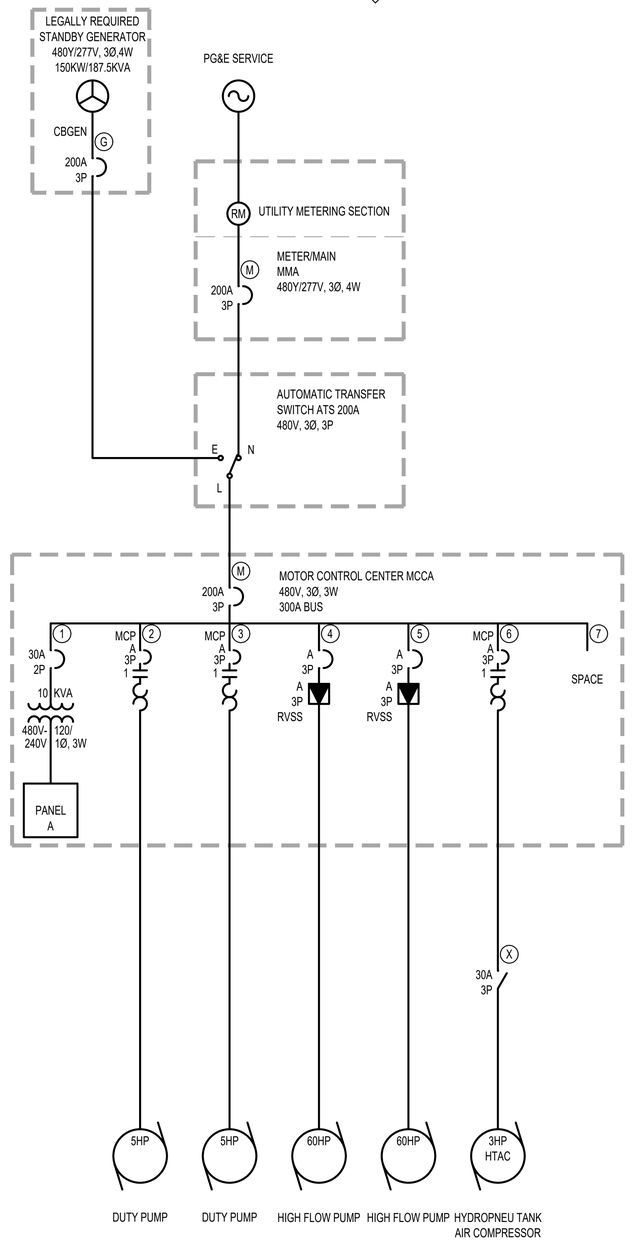
DETAIL NOTES

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

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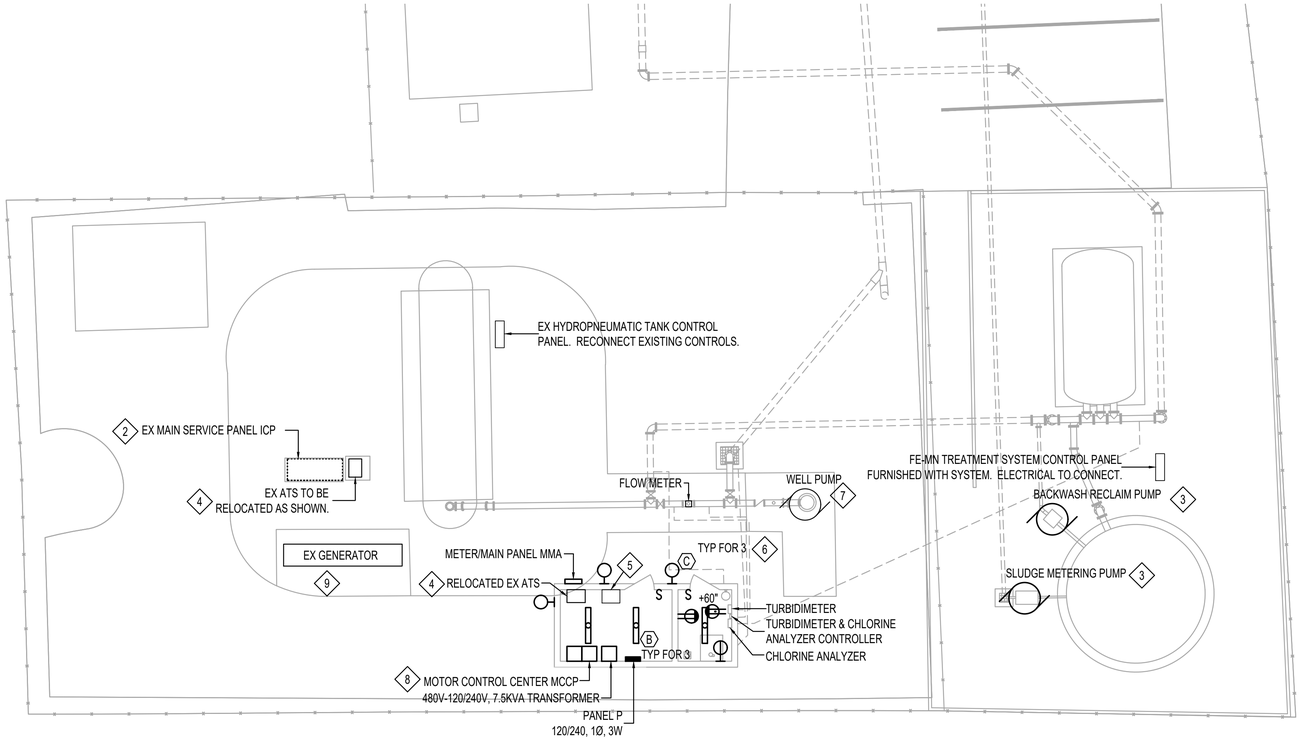
SINGLE LINE DIAGRAMS

PROJECT NUMBER	CWTRC.200476.06
DRAWING NUMBER	E-002
SHEET NUMBER	147 OF 154

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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

N

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08/25/2025
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Exp. 06/26
ELECTRICAL
STATE OF CALIFORNIA

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PAJARO WELL NO. 1 SITE ELECTRICAL PLAN

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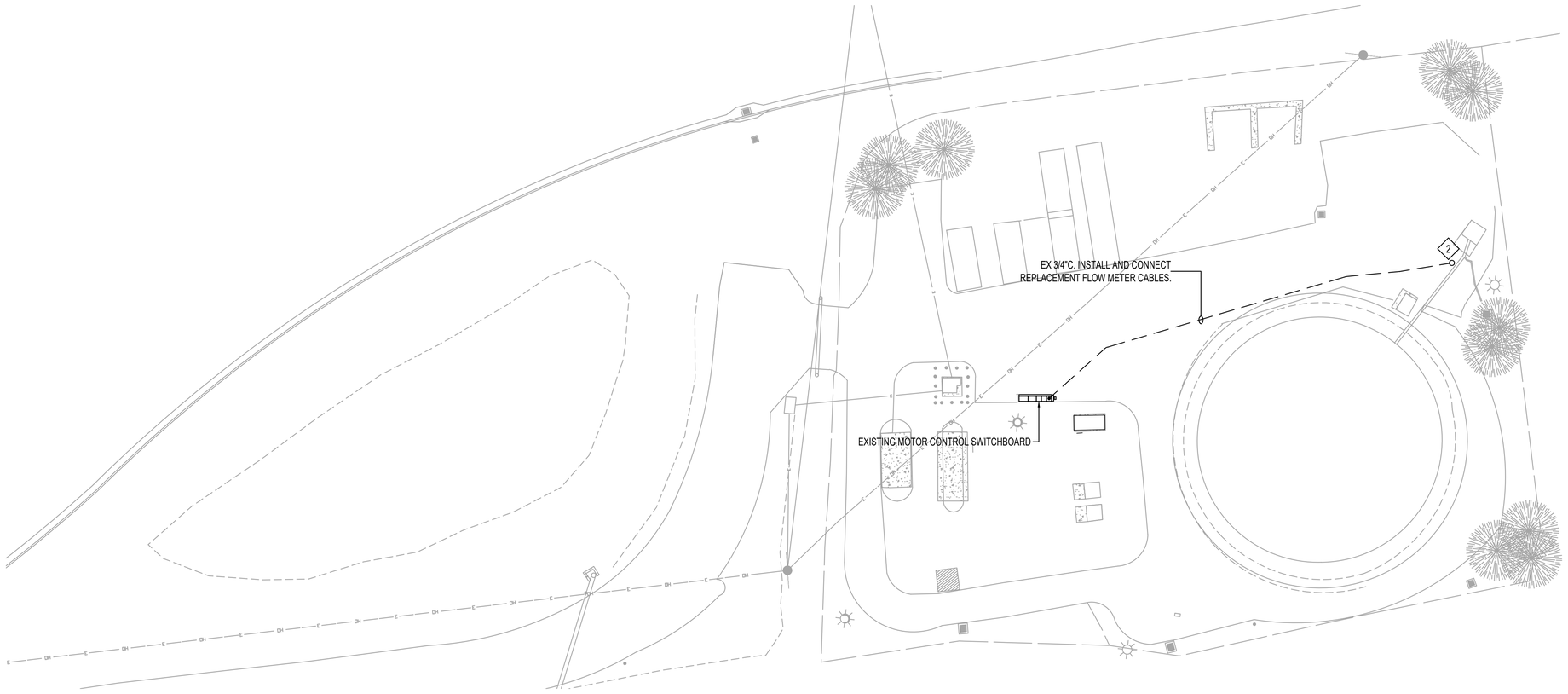
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E-003

SHEET NUMBER
148 OF 154

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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'

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08/25/2025
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No. 15149
Exp. 06/26
ELECTRICAL
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PAJARO TANK AND WELL NO. 2 SITE ELECTRICAL PLAN

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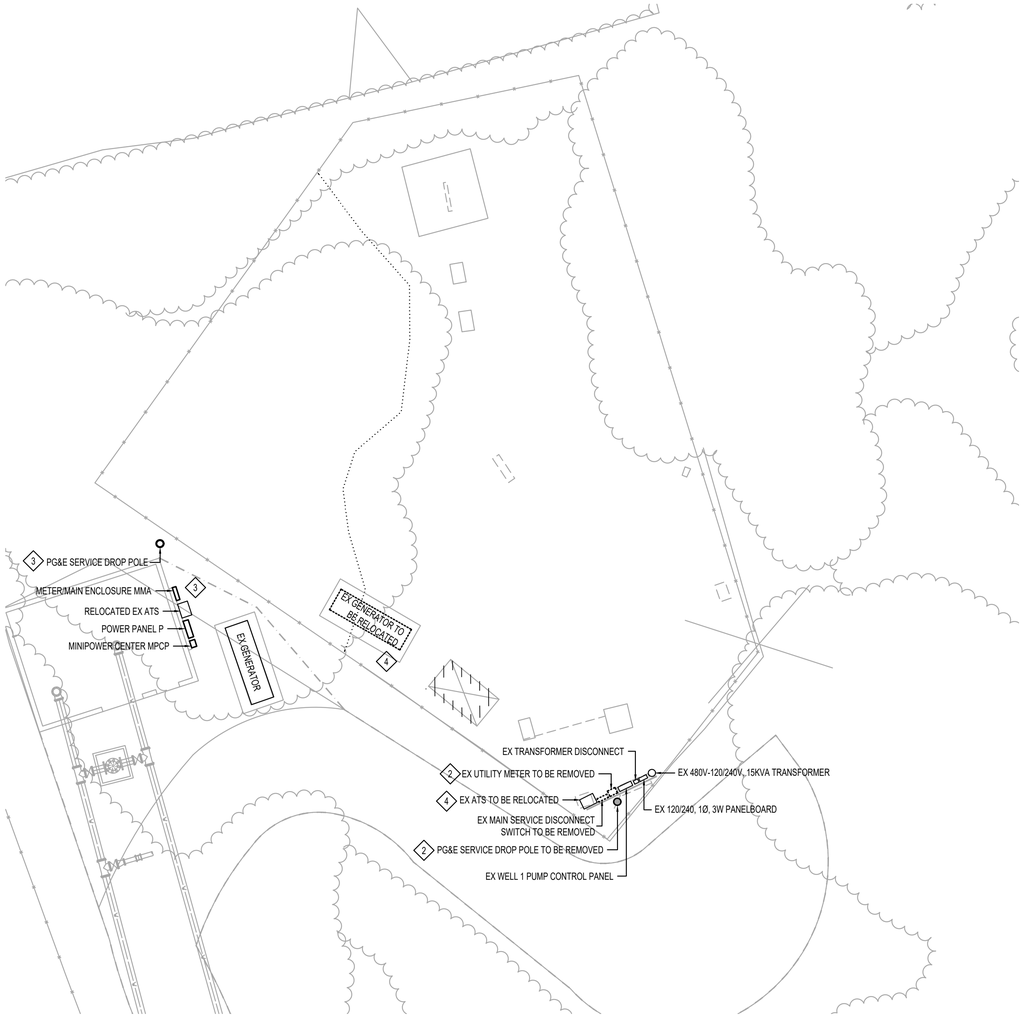
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E-004

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149 OF **154**

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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

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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

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TRANSMISSION BOOSTER PUMP STATION SITE ELECTRICAL PLAN

PROJECT NUMBER
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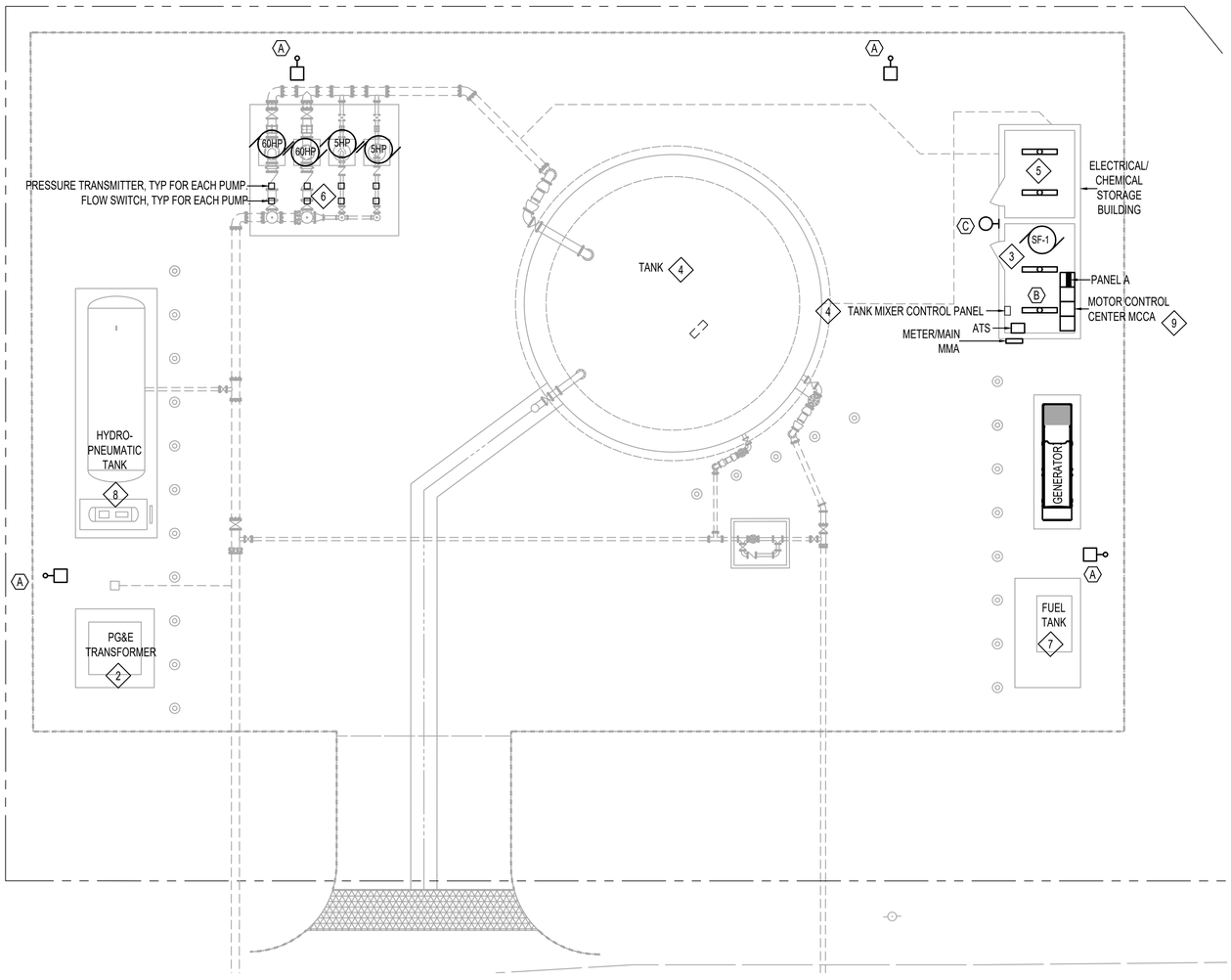
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E-005

SHEET NUMBER
150 OF 154

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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

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08/25/2025
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9626
ELECTRICAL
STATE OF CALIFORNIA

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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

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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

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REV	DATE	BY	DESCRIPTION

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CONSTRUCTABILITY: SR

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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

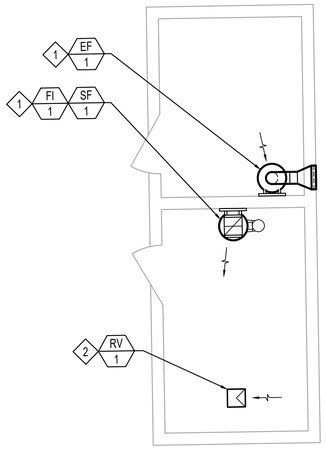
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PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

LEGEND, SCHEDULES, NOTES

PROJECT NUMBER: CWTRC.200476.06
DRAWING NUMBER: MH-01
SHEET NUMBER: 152 OF 154

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NUMBERED NOTES:

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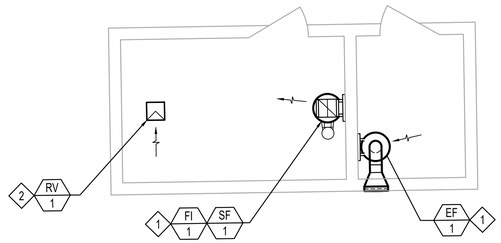
1. MOUNT EQUIPMENT ON WALL.
2. MOUNT EQUIPMENT ON ROOF

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)

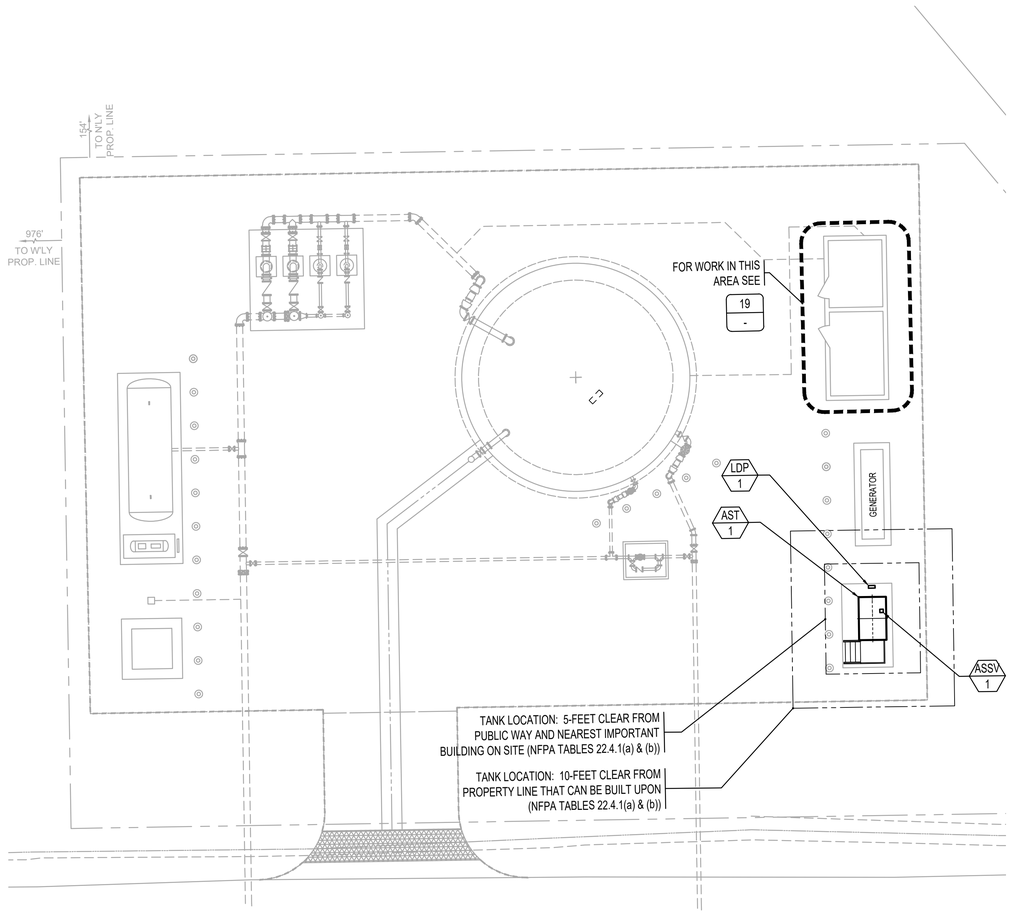
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2. MOUNT EQUIPMENT ON ROOF

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

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PAJARO WELL NO. 1 AND BLUFF JENSEN BOOSTER PUMP STATION MECHANICAL PLANS

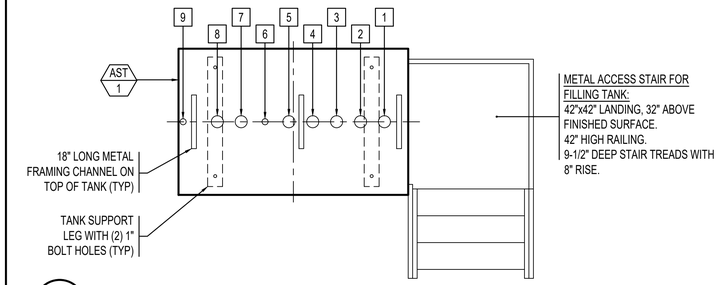
PROJECT NUMBER
CWTRC.200476.06

DRAWING NUMBER
MH-02

SHEET NUMBER
153 OF 154

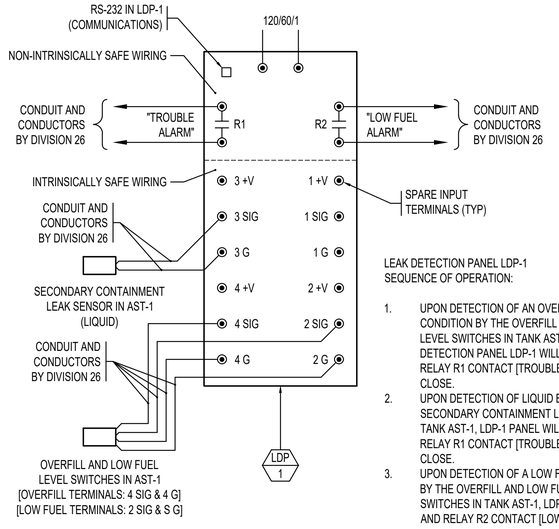
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TANK OPENINGS				
NO.	SIZE	CONNECTION	USE	APPURT./COMPONENT
1	4"	FNPT	TANK FILL	OVERFILL VALVE
2	4"	FNPT	FOR - GENERATOR	BUSHING(S)
3	4"	FNPT	FUEL LEVEL	TANK LEVEL GAUGE
4	4"	FNPT	SECONDARY EMERG. VENT	EMERGENCY VENT CAP
5	4"	FNPT	PRIMARY EMERG. VENT	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

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PAJARO/SUNNY MESA COMMUNITY SERVICES DISTRICT

CONTROL SCHEMATIC, TANK ARRANGEMENT

PROJECT NUMBER
CWTRC.200476.06

DRAWING NUMBER
MH-03

SHEET NUMBER
154 OF 154

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