

**RESOLUTION OF THE PLANNING COMMISSION
OF THE COUNTY OF HUMBOLDT**

Resolution Number: 24-018

Record Number: PLN-2023-18803

Assessor's Parcel Numbers: 032-121-009, 032-135-002, 032-211-011, 032-211-021, 032-211-035, 223-181-020, 223-181-024, 223-181-025, 223-183-003, 223-191-006 and 223-191-011.

Resolution by the Planning Commission of the County of Humboldt conditionally approving the Garberville Sanitary District Water System Improvements General Plan Conformance Review and Special Permit.

WHEREAS, the Garberville Sanitary District submitted an application and evidence in support of approving General Plan Conformance Review and Special Permit; and

WHEREAS, the County Planning Division has reviewed the submitted application and evidence and has referred the application and evidence to involved reviewing agencies for site inspections, comments, and recommendations; and

WHEREAS, the Garberville Sanitary District as the lead agency under CEQA adopted a Mitigated Negative Declaration (MND) for the proposed project, and the County of Humboldt as a responsible agency under CEQA considers the environmental effects and concurs with the findings of the MND; and

WHEREAS, Attachment 2 in the Planning Division staff report includes evidence in support of making the required findings for approving the proposed project (Record Number: PLN-2023-18803); and

WHEREAS, the Humboldt County Planning Commission held a duly-noticed public hearing on **April 4, 2024**, and reviewed, considered, and discussed the application for the General Plan Conformance Review and Special Permit, and reviewed and considered all evidence and testimony presented at the hearing.

Now, THEREFORE BE IT RESOLVED, that the Planning Commission makes all the following findings:

- 1. FINDING:** **Project Description:** A General Plan Conformance Review and Special Permit for the Garberville Sanitary District (GSD) to replace the existing 180,000-gallon, in-ground, concrete, finished water storage tank (Hurlbutt/Main Tank) and a 20,000-gallon, failing, redwood drinking water storage tank (Wallan Tank) with two new increased capacity tanks. In addition, the

failing Robertson Tank, which has been taken out of service, would be demolished. The new Main Tank would be an in-ground, approximately 550,000-gallon, pre-stressed concrete tank located on an adjacent parcel and similar elevation to the existing tank. The existing Wallan Tank would be replaced with an approximately 77,000-gallon bolted steel tank. Both of the existing tanks in operation are leaking and lack sufficient storage capacity for maximum daily consumption and fire suppression; they also do not meet current seismic design standards. In addition, the GSD proposes to replace or upgrade three booster pump stations (Upper Maple Lane Pump Station, Arthur/Alderpoint Pump Station, and Wallan Pump Station). The existing Upper Maple Lane Pump Station is located in the existing Hurlbutt Tank and would be demolished when the Hurlbutt Tank is demolished. A new Upper Maple Lane Pump Station would need to be constructed at the site of the new Main Tank. The existing Arthur Pump Station is in poor condition and has operational deficiencies that would be improved when this pump station is replaced by the Alderpoint Pump Station. The Wallan Pump Station is in poor condition and requires upgrades to meet the operational requirements of the new Wallan Tank. New backup generators would be installed at each replaced or upgraded booster pump station and at the Tobin Well. The Special Permit is required for work proposed within the streamside management area (SMA) of an unnamed ephemeral stream on APN: 032-211-021. The proposed project includes conveyance of the existing Hurlbutt/Main Tank parcel (APN: 032-211-011) to the existing landowner and creation of a separate legal parcel for the proposed 550,000-gallon tank (APN: 032-211-021) on APN: 032-211-021 for development of the access road and ground disturbances to install water lines to the new 550,000-gallon Main tank.

EVIDENCE: a) Project File: PLN-2023-18803

- 2. FINDING:** **CEQA:** The requirements of CEQA have been complied with/ The County is a Responsible Agency under CEQA and has considered the environmental effects of the project as shown in the MND. There are no significant and unavoidable impacts on the environment as a result of the proposed project.

EVIDENCE: a) The Garberville Sanitary District adopted an MND for this project (SCH #2023100664). All potentially significant impacts

can be mitigated to less than significant levels with the incorporated Mitigated Monitoring and Reporting Program.

- b) The MND includes an analysis of the proposed project. The MND was circulated from October 25, 2023, to November 28, 2023.
- c) The MND prepared for the project found no impact, or less than significant impacts on Agriculture and Forestry Resources, Greenhouse Gas Emissions, Hazards and Hazardous Materials, Hydrology and Water Quality, Land Use and Planning, Mineral Resources, Population and Housing, Public Services, Recreation, Transportation, Tribal Cultural Resources, Utilities and Service Systems, and Wildfire.
- d) The MND includes mitigation measures for potential significant impacts to Aesthetics, Air Quality, Biological Resources, Cultural Resources, Geology and Soils, and Noise. With the implementation of these mitigation measures there are no significant and unavoidable impacts from the proposed project.

3. FINDING:

The proposed development is in is in conformance with all applicable policies and standards in the Humboldt County General Plan (General Plan) and Garberville Redway Alderpoint Benbow Community Plan 1987 (GRBAP).

EVIDENCE:

- a) The project is to upgrade and maintain existing community water system infrastructure and associated ancillary development. The proposed project supports the use within the land use designations.
- b) The replacement of the existing water storage tanks and improvement to the electrical systems and distribution lines will maintain adequate storage for the Garberville Sanitary District. The replacement of the current water storage tanks will not expand the District's service area, water withdraws or customer entitlements, but will replace two undersized water tanks and associated infrastructure to ensure the water system is properly functioning.
- c) The proposed project will have no net effect on housing densities. The parcels were not included in the 2019 County Housing Inventory. The purpose of the Project is to upgrade and maintain existing community water system infrastructure and associated ancillary development in order to maintain an

adequate water supply facilitating achievement of the County's housing goals and programs of the Housing Element for the Garberville area.

- d) The subject parcels are located within areas of moderate to high instability and outside of any Alquist-Priolo fault hazard area. Assessor Parcel Numbers (APNS): 032-211-021 and 223-191-006 contain mapped historic landslides areas as shown on the Humboldt County WebGIS (GIS). Development on APN: 032-211-021 is located approximately 365 feet southwest of the mapped area. The parcels are located outside of the flood zone and areas of liquefaction. The parcels are within high to very high fire hazard severity zone. The parcels are within the State Responsibility Area (SRA) for fire protection and within the Garberville Fire Protection District who responds to structural fires and medical emergencies. The proposed project will increase water storage to meet the minimum requirements for fire protection.

Development on APN: 223-191-006 is located within the mapped area. An *Engineering Geologic and Geotechnical Investigation Report* (Geologic Report) prepared by SHN dated August 2023 indicated they did not observe any features related to recent landsliding (tension cracks, seeps, springs, rills, or gullies) at the proposed new infrastructure sites. The Geologic Report contained several general geotechnical recommendations that were incorporated into the ISMND that requires the applicant to adhere to the recommendations to ensure the project has a less than significant impact. Conditions of approval require the Applicant to obtain all Federal, State and local permits required for the project, including grading permits from the Humboldt County Building Inspection Division. Planning staff concludes the mitigation measures as adopted by GSD and adhering to Conditions of Approval would ensure the project would not increase hazard risk.

- e) The project was referred to the Northwest Information Center (NWIC), the Bear River Band of Rohnerville Rancheria and the Intertribal Sinkyone Wilderness Council. NWIC responded noting that the previous studies were completed for portions of the project area and recommended further study and coordination with local Tribes. According to the *Final Initial Study Checklist and Proposed Mitigated Negative Declaration for the Garberville Sanitary District Robertson/Wallan/Hurlbutt Tanks Replacement Project* (ISMND; State Clearinghouse

#2023100664), a Cultural Resources Investigation was prepared for the project. One previously documented historic building complex, the Garberville Forest Fire Station (P-12-000930) was documented on the CALFIRE parcel where the Alderpoint Pump Station is proposed. Because these buildings are not proposed for any alterations, nor is the immediate view around the buildings, or in the station in general as part of the current project, utilizing the rear of the property for project elements as proposed was determined to not impact the ability for this site to convey significance now or in the future.

The *Cultural Resources Investigation* identified the Hurlbutt Tank, Upper Maple Lane Pump Station, and Robertson Tank as being more than 50 years of age. However, they were recommended not eligible under the significance criteria set forth for built environment resources. No further recommendations were given for the demolition of these structures. The Cultural Resources Investigation found that no recommendations were needed for the Wallan Tank, Arthur Pump Station, or Wallan Pump Station.

Under Assembly Bill (AB) 52, the Applicant sent notification letters to local Native American tribes on July 25, 2023 (Bear River Band of the Rohnerville Rancheria, Round Valley Reservation/Covelo Indian Community, and Wailaki Tribe). No responses were received to the AB 52 consultation request. The Bear River Band of Rohnerville Rancheria and the Intertribal Sinkyone Wilderness Council did not respond to the County referral. Although discovery of cultural resources (including historical resources) during project construction was not anticipated, the ISMND included a mitigation measure to adhere to Inadvertent Study protocols.

- f) According to the *Final Initial Study Checklist and Proposed Mitigated Negative Declaration for the Garberville Sanitary District Robertson/Wallan/Hurlbutt Tanks Replacement Project* (ISMND; State Clearinghouse #2023100664; ISMND), there is the potential for status-status plant and animal species to occur in the project area. Additionally, there were wetlands and watercourses identified with the project area (see additional findings related the Streamside Management Area and Wetlands Ordinance in Finding #4b below). The ISMND contained 6 mitigation measures related to biological resources to ensure the project would an a less than significant effect on the environment, including biological resources.

A referral was sent to CDFW on November 20, 2023, and CDFW responded on February 26, 2024, indicating that they are aware of the project and issues were resolved with GSD during circulation of the ISMND. The CDFW requested the GSD to notify CDFW for the intake and trenching for the new main distribution line on APN: 032-211-021, which GSD has done already, and the Final Steamed Alteration Agreement (Final SAA) is in progress. Conditions of approval require the Applicant to obtain all Federal, State and local permits required for the project. Planning staff concludes the mitigation measures as adopted by GSD and adhering to Conditions of Approval would ensure impacts to biological resources minimized.

4. FINDING:

The subject parcels are zoned Residential One Family (R-1 APN: 032-135-002), Community Commercial with a Design Review Combining zone (C-2-D; APN: 032-121-009), Residential Suburban with a Special Building Site combining zone allowing for 5 acres of building site area (RS-B-5(5)); APNs: 032-211-011, 032-211-021, and 032-211-035) and Agriculture Exclusive with a Special Building Site combining zone (AE-B-6; APNs: 223-181-020, 223-181-024, 223-181-025, 223-183-003, 223-191-006, 223-191-011). The proposed development is consistent with the purposes of the R-1, C-2-D, RS-B-5(5)) and AE-B-6 zones.

- EVIDENCE:** a) The project is to upgrade and maintain existing community water system infrastructure and associated ancillary development. The proposed project supports the uses within the zoning districts.
- b) A Special Permit is required for work proposed within the streamside management area (SMA) in accordance with §314-61.1 Streamside Management Areas and Wetlands Ordinance (SMAWO). Associated work within the SMA would occur within the SMA buffer for an unnamed ephemeral stream on APN: 032-211-021 for development of the access road and ground disturbances to install water lines to the new 550,000-gallon Main tank. A *Biological and Wetland Assessment – Revision 1*, prepared by SHN dated October 2023, identified a total of 538 feet of stream within 2 locations within the project area. Development within the SMA would be limited to the encroachment into the 50-foot buffer of the ephemeral stream on APN: 032-211-021 and would be less than 538 feet. The development would include excavation, backfilling and

compaction of fill, and implementation of erosion control. Development within the SMA is subject to mitigation measures in the ISMND related to biological and geological resources, including use of perimeter control BMPs, such as silt fences, or straw wattles, placed at the edge of surface water features to intercept sediment before it reaches the waterway. The Applicant is required to adhere to all project specific recommendations in the *Engineering Geologic and Geotechnical Investigation Report* prepared by SHN dated August 2023 during design and construction of the proposed project. Applicant has a Streambed Alteration Agreement pending with the California Department of Fish and Wildlife (CDFW). A referral was sent to CDFW on November 20, 2023, and CDFW responded on February 26, 2024, indicating that they are aware of the project and issues were resolved with GSD during circulation of the ISMND. The CDFW requested the GSD to notify CDFW for the intake and trenching for the new main distribution line on APN: 032-211-021, which GSD has done already, and the Final Streambed Alteration Agreement (Final SAA) is in progress. Conditions of approval require the Applicant to obtain all Federal, State and local permits required for the project. Planning staff concludes the mitigation measures as adopted by GSD and adhering to Conditions of Approval would ensure impacts to the SMA are minimized. Therefore, staff recommends approval of the Special Permit. All other development setbacks will be met by the proposed project.

- c) Development on APN: 032-121-009 is limited to trenching and installation of a distribution line that will remain underground. No new structures are proposed at this location; therefore, further design review is not required.

5. FINDING:

The proposed project is consistent with the General Plan and the Garberville Redway Alderpoint Benbow Community Plan 1987 (GRBAP).

EVIDENCE: a)

The project involves improvement and replacement of old, undersized and failing water system infrastructure. The District was formed in 1932 for the purpose of providing sanitary sewer services. After purchasing the privately held Garberville Water Company in 2004, the District began providing drinking water to customers in the district. The Public Facilities (PF) designation is utilized to classify land appropriate for use by a

governmental agency or public agency, which has the purpose of serving the public health, safety, convenience, or welfare. The Public (P) designation is applied to land owned by or under the jurisdiction of the Federal, State, County or any other district authority or public corporation, or agency thereof. The Residential Agriculture (RA) designations are typically applied to large lot residential uses that typically rely upon on-site water and wastewater systems. The Residential Estates (RE) designations are generally applied to lands adjacent to urban areas or rural communities with limited public services but suitable for single-family residential use. This designation is commonly used in water-only service areas. The Residential Low Density (RL) designations are intended to be applied in urban areas of the County where topography, access, utilities, and public services make the area suitable for such development. Lastly, the Commercial General (CG) designation is intended to classify lands that because of their location, access, and availability of services are suitable for commercial development. The project is to upgrade and maintain existing community water system infrastructure and associated ancillary development. The proposed project supports the use within the land use designations. The replacement of the current water storage tanks will not expand the District's service area, water withdraws or customer entitlements, but will replace two undersized water tanks and associated infrastructure to ensure the water system is properly functioning. The proposed use is consistent with the provision of public services for the Garberville community. This project will supplement GSD's existing water storage capabilities, increasing existing storage from 400,000 gallons by an additional 427,000 gallons to meet increase water storage for use during the low flow times of year and meet fire protection requirements. The proposed uses conform to the primary or compatible uses described in the affected land use designations.

- b) All applicable policies of the General Plan and GRBAP remain in full force.
- c) The applicant will be responsible for obtaining all necessary Federal, State and Local permits, including Building Permits from the County of Humboldt Building Division to facilitate demolition and construction.
- d) The proposed project includes conveyance of the Hurlbutt Tank site (APN: 032-211-011) to the current property owner of APN:

032-211-035, which would be merged with APN: 032-211-035. Conditions of approval require the recording of a Notice of Merger and Certificate of Compliance. to complete the conveyance. The current property owner of APN: 032-211-021 would convey the proposed 550,000-gallon tank site to GSD. The project also includes conveyance of an easement on APN: 223-183-003 to GSD for construction and maintenance of the new Alderpoint Pump Station, associated waterlines, and ingress/egress to the site. Pursuant to Government Code Section 66428(a)(2), a parcel map shall not be required for land conveyed to a governmental agency unless there is substantial evidence that public policy necessitates a parcel map. For conveyances such as these, they have been addressed as a conveyance by Deed. As conditioned, Planning staff supports the proposed land conveyances.

- e) The Garberville Sanitary District, as the lead agency under CEQA, prepared an Initial Study/Mitigated Negative Declaration pursuant to the California Environmental Quality Act (CEQA) Statute (Public Resources Code 21000–21189) and Guidelines (California Code of Regulations, Title 14, Division 6, Chapter 3, Sections 15000–15387). As Lead Agency, the Garberville Sanitary District found the project would have a Less Than Significant Effect on the Environment with Mitigation Incorporated (State Clearinghouse #2023100664).

6. FINDING: The Project and the conditions under which it may be operated or maintained will not be detrimental to the public health, safety, or welfare or materially injurious to properties or improvements in the vicinity.

EVIDENCE: a) The objective of the project is to improve and replace old, undersized, and failing water system infrastructure, which is in the interest of public health, safety, and welfare. The proposed project complies with all development standards of the zoning districts which are intended to protect public health, safety and welfare. There is no evidence the work would be detrimental to the public health, safety, or welfare.

7. FINDING: Development permits shall be issued only for a lot that was created in compliance with all applicable state and local subdivision regulations.

EVIDENCE: a) APN 032-211-021 (associated with the Special Permit) is one legal parcel per Notice of Lot Line Adjustment and Certificate of Subdivision Compliance (Record Number PLN-2020-16841) recorded February 24, 2022, Humboldt County Recorder.

8. FINDING: The proposed development does not reduce the residential density for any parcel below that utilized by the Department of Housing and Community Development in determining compliance with housing element law.

EVIDENCE: a) The parcels were not included in the housing inventory of Humboldt County's 2019 Housing Element.

DECISION

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

- Adopt the findings set forth in this resolution; and
- Conditionally approves the General Plan Conformance Review and Special Permit for Garberville Sanitary District subject to the conditions of approval attached hereto as Attachment 1A.

Adopted after review and consideration of all the evidence **April 4, 2024**.

The motion was made by COMMISSIONER Sarah West and second by COMMISSIONER Thomas Mulder and the following vote:

AYES: COMMISSIONERS: Iver Skavdal, Thomas Mulder, Noah Levy, Jerome Qiriaz, Peggy O'Neill, Sarah West, Lorna McFarlane


NOES: COMMISSIONERS:

ABSENT: COMMISSIONERS:

ABSTAIN: COMMISSIONERS:

DECISION: Motion carried 7/0

I, John Ford, Secretary to the Planning Commission of the County of Humboldt, do hereby certify the foregoing to be a true and correct record of the action taken on the above-entitled matter by said Commission at a meeting held on the date noted above.



John Ford, Director

Planning and Building Department

CONDITIONS OF APPROVAL

APPROVAL OF THE GENERAL PLAN CONFORMANCE REVIEW AND SPECIAL PERMIT IS CONDITIONED ON THE FOLLOWING TERMS AND REQUIREMENTS:

A. General Conditions

1. The project shall be conducted in accordance with the Site Plans and Construction Plans. Minor deviations shall be permitted as provided by Humboldt County Code Section 312-11; however, all other changes shall require modification of this permit.
2. The applicant shall comply with recommendations from the Humboldt County Department of Public Works in their comments dated December 13, 2023, as follows:
 - a. **Encroachment Permit:** The applicant must apply for and obtain an encroachment permit for all work performed within the County road right of way including but not limited to removal and replacement of water mains within the County maintained road right of ways of Alderpoint Road and Redwood Drive. In addition, an encroachment permit is required to provide an ADA compliant urban driveway apron and surfaced driveway to County standards [reference: County Code §411-11 (a)(b)].
 - b. **Traffic Control Plan:** The applicant shall be responsible for all traffic control and safety at all work locations in a manner satisfactory to the Department of Public Works. Traffic control operations shall conform to California Manual on Uniform Traffic Control Devices for Streets and Highways (FHWA's MUTCD 2009 Edition, as amended for use in California), March 30, 2021, or latest edition, and to the satisfaction of the Department of Public Works. Warning and flagging of motorists at work locations shall be conducted AT ALL TIMES by properly trained personnel.

The applicant shall use Caltrans 2022 Standard Plan T13 with T9 for a traffic control plan, when applicable, for closing one traffic lane. Permittee shall use CAMUTCD Figure 6H-6, Titled "Shoulder Work with Minor Encroachment (TA-6)", when applicable, for working outside of the travelway and not affecting normal vehicle traffic.

Conditions requiring a traffic control plan other than Caltrans T13 with T9 or Fig 6H-6 will require submittal and Public Works approval of a traffic control plan prepared by a Registered Civil Engineer (or Traffic Engineer). Traffic control shall be conducted in a manner that provides the least inconvenience to motorists as possible. Emergency vehicles shall be allowed to pass through the controlled areas at all times. One travel lane shall be available for through traffic at all times. Permittee shall notify the

Department of Public Works 48 hours prior to conducting any traffic control that requires closures of both travel lanes for longer than 5 minutes. Closure of both travel lanes for longer than 5 minutes requires prior written approval by the Director of Public Works. The California Highway Patrol and the Humboldt County Sheriff's Office shall also be notified of any traffic control that requires closure of both travel lanes at least 48 hours in advance.

- c. **Construction plans:** Unless otherwise approved in writing by the Department all watermains and waterlines not in use shall be removed from the public right of way. Construction plans shall state whether the existing water main is to be removed or abandoned in place (if approved by the Department). If the line is to be abandoned in place, the line shall be slurry filled and the construction plans shall clearly show the location of the line.
 - d. **Access Roads:** Intersections of utility access roads with the County maintained road shall be surfaced to County standards. Intersections of abandoned utility access roads shall be blocked and returned to natural conditions.
 - e. Site visibility must be maintained at all construction entrances and utility access locations with County maintained roads.
 - f. The applicant shall be responsible to correct any involved drainage problems on the County road as a direct result of the project to the satisfaction of this Department. The applicant shall minimize the transport of sediment to drainage courses during construction. The County Inspector shall be notified by applicant for review and approval of installed erosion control measures within County right of way.
 - g. During construction, roadways shall be periodically cleaned of mud, soil, rock, and debris. California Storm Water Quality Association (CASQA) BMPs shall be used to prevent the tracking of material onto County roads. The following BMPs shall be used at a minimum: stone wash pad; rumble racks; sweeping roads on a daily basis.
 - h. No construction materials or debris shall be placed within the County road right of way during the project, unless permitted through an encroachment permit. All fueling, equipment maintenance, staging, and construction management shall be located outside the County road right of way.
3. The applicant will be responsible for obtaining all necessary Federal, State and Local permits, as applicable.

4. The applicant shall apply for and record a Notice of Merger and Certificate of Subdivision Compliance for APNs: 032-211-011 and APN: 032-211-035 with the Humboldt County Planning Department for the conveyance associated with the Hurlbutt Tank site.
5. The applicant is required to pay for permit processing on a time and material basis as set forth in the schedule of fees and charges as adopted by ordinance of the Humboldt County Board of Supervisors. The Department will provide a bill to the applicant after the decision. Any and all outstanding Planning fees to cover the processing of the application to decision by the Hearing Officer shall be paid to the Humboldt County Planning Division, 3015 "H" Street, Eureka.

B. Ongoing Requirements/Development Restrictions Which Must be Satisfied for the Life of the Project:

1. Before any digging or excavation occurs, the applicant shall contact Underground Service Alert (USA) by dialing 811 a minimum of two working days prior to commencing any work to ensure that all existing underground utilities are identified and marked on-site.

Informational Notes:

1. This permit shall expire and become null and void at the expiration of two (2) years after all appeal periods have lapsed (see "Effective Date") except where construction under a valid building permit or use in reliance on the permit has commenced prior to such anniversary date. The period within which construction or use must commence may be extended as provided by Section 312-11.3 of the Humboldt County Code.
2. Under California Health and Safety Code, Section 25404 et seq., any business that contains on-site more than 55 gallons, 500 pounds, or 200 cubic feet of a hazardous material, or generates hazardous waste as part of their business activity, must report these activities and be inspected. Contact Humboldt County Environmental Health's Hazardous Materials Unit at 707-268-2220 or mswoveland@co.humboldt.ca.us if there will be hazardous materials stored above these quantities or if hazardous waste is generated.
3. If cultural resources are encountered during construction activities, the contractor on site shall cease all work in the immediate area and within a 50-foot buffer of the discovery location. A qualified archaeologist as well as the appropriate Tribal Historic Preservation Officer(s) are to be contacted to evaluate the discovery and, in consultation with the applicant and lead agency, develop a treatment plan in any instance where significant impacts cannot be avoided.

The Native American Heritage Commission (NAHC) can provide information regarding the appropriate Tribal point(s) of contact for a specific area; the NAHC can

be reached at 916-653-4082. Prehistoric materials may include obsidian or chert flakes, tools, locally darkened midden soils, groundstone artifacts, shellfish or faunal remains, and human burials. If human remains are found, California Health and Safety Code 7050.5 requires that the County Coroner be contacted immediately at 707-445-7242. If the Coroner determines the remains to be Native American, the NAHC will then be contacted by the Coroner to determine appropriate treatment of the remains pursuant to PRC 5097.98. Violators shall be prosecuted in accordance with PRC Section 5097.99

The applicant is ultimately responsible for ensuring compliance with this condition.

GARBERVILLE SANITARY DISTRICT

ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT PROJECT

GARBERVILLE, CALIFORNIA

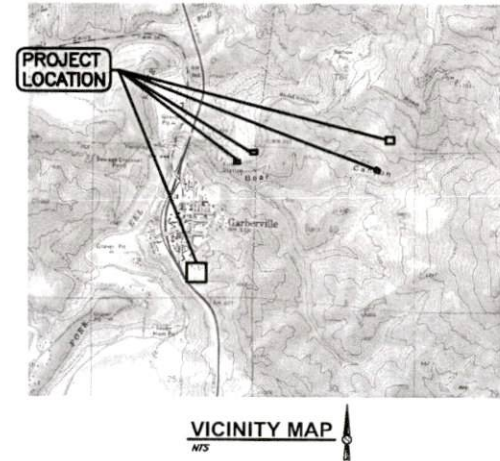
PREPARED BY:



SEPTEMBER 2023

APPROVED
APR 4 2024
Humboldt County
PLANNING

RECEIVED
NOV. 9, 2023
Humboldt County
PLANNING



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* NOT INCLUDED IN 60% SUBMITTAL

60% DESIGN

SW 815 N. WILSON AVE GARBERVILLE, CA 95922 WWW.SW-CA.COM 707-441-8885		SHEET G1.0
DATE 09/2023		PROJ. NO. 022067
GARBERVILLE SANITARY DISTRICT ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT GARBERVILLE, CALIFORNIA COVER		

ABBREVIATIONS

A	ADDER	ADDER
APPROX	APPROXIMATELY	
AT	AT	
B	BUILDING	
C	COMBINATION AIR VALVE	
CL	CLAR	
CO	CONTINUOUS OR CONTINUED	
CONC	CONCRETE	
CONT	CONTINUOUS OR CONTINUED	
CTR	CENTER	
D	DEGREE (ANGLE)	
DI	DROP INLET OR DUCTILE IRON	
DM	DIMENSION	
DET	DETAIL	
E	EXISTING	
EL	EXISTING GRADE/GROUND	
EL	ELEVATION	
ELEC	ELECTRIC OR ELECTRICAL	
EQ	EQUAL	
EV	EACH WAY	
EXT	EXISTING	
F	FOUNDATION	
FG	FINISHED GRADE	
FI	FIRE HYDRANT	
FL	FLOW LINE	
FLR	FLOOR	
FT	FOOT OR FEET	
G	GAGE	
GA	GALLON	
GPM	GALLONS PER MINUTE	
GSD	GRADE OR GROUND	
GV	GATE VALVE	
H	HIGH DENSITY POLYETHYLENE	
HDPE	HORIZONTAL	
HT	HEAD	
I	INSIDE DIAMETER	
IN	INCH	
L	LINEAR FEET	
LB	POUND	
LT	LEFT	
M	MATERIAL	
MAX	MAXIMUM	
MCH	MECHANICAL	
MIN	MINIMUM OR MINUTE	
MIN	MINIMUM JOINT	
N	NEW	
NO	NUMBER OR NORMALLY OPEN	
NTS	NOT TO SCALE	
O	ON CENTER	
OD	OUTSIDE DIAMETER	
OH	OVERHEAD	
P	PERFORATED	
PRV	PRESSURE RELIEF VALVE	
PSI	POUNDS PER SQUARE INCH	
PVC	POLYVINYL CHLORIDE PLASTIC	
Q	QUANTITY	
R	RADIUS	
RC	RELATIVE COMPACTION	
RD	ROAD	
RCA	REINFORCED FLANGE COUPLING ADAPTER	
RSP	ROCK SLOPE PROTECTION	
R/W	RIGHT OF WAY	
S	SLOPE	
SCHED	SCHEDULE	
SD	STORM DRAIN	
SF	SQUARE FOOT/FEET	
SH	SHEET	
SH	SIMILAR	
STA	STATION	
T	TOTAL DYNAMIC HEAD	
TH	TYPICAL	
U	UTILITY	
V	VARIABLE	
VERT	VERTICAL	
V	VALLEY OUTLET	
W	WATER OR WIDE FLANGE	
W	WITH	

UTILITIES LEGEND

PROPOSED	GATE VALVE
✓	CHECK VALVE
□	DROP INLET
—	STORM DRAIN LINE
—	WATER LINE

TOPOGRAPHIC LEGEND

PROPOSED	FINISH GRADE ELEVATION
42.55	
TOP OF CUT	
TOP OF FILL	
200	CONTOUR LINE
*****	FENCE

DETAIL AND SECTION DESIGNATION

SECTION (LETTER)	OR DETAIL (NUMERAL)
DESIGNATION	
INDICATES SECTION OR DETAIL TAKEN AND SHOWN ON SAME SHEET	
ON DRAWING WHERE SECTION OR DETAIL IS TAKEN	
SHEET NUMBER WHERE SHOWN	
ON DRAWING WHERE SECTION OR DETAIL IS SHOWN	
SHEET NUMBER WHERE TAKEN	

CURVE DATA

R	RADIUS
L	LENGTH
Δ	DELTA
T	TANGENT

NOTES

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

GENERAL NOTES:

- ALL WORK SHALL CONFORM TO CURRENT CALIFORNIA BUILDING CODE.
- THE WORKING DRAWINGS ARE GENERALLY UNDIMENSIONED. THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW REQUIRED FOR INSTALLATION IN THE SPACE PROVIDED. THEY DO NOT SHOW EVERY DIMENSION, COMPONENT PRICE, SECTION, JOINT OR FITTING REQUIRED TO COMPLETE THE PROJECT. ALL LOCATIONS FOR WORK SHALL BE CHECKED AND COORDINATED WITH EXISTING CONDITIONS IN THE FIELD BEFORE BEGINNING CONSTRUCTION. EXISTING UNDERGROUND UTILITIES WITHIN THE LIMITS OF EXCAVATION SHALL BE IDENTIFIED AS TO LOCATION, SIZE AND LOCATION BY UNCOVERING, PROVIDED SUCH IS PERMITTED BY LOCAL PUBLIC AUTHORITIES WITH JURISDICTION, BEFORE BEGINNING CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES.
- THE CONTRACTOR SHALL SECURE NECESSARY PERMITS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- CONTRACTOR SHALL PERFORM TRENCH WORK IN CONFORMANCE WITH CAL/OSHA REQUIREMENTS.
- CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, GENERAL CONTRACTOR WILL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. ALL WORK AND EQUIPMENT SHALL COMPLY WITH CAL/OSHA REQUIREMENTS. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- THE CONTRACTOR SHALL INDEPENDENTLY REVIEW GROUND, TOPOGRAPHY AND TREE CONDITIONS THROUGHOUT THE SITE, AND ASSURE THE RISK OF COMPLETING THE WORK SET OUT ON THESE PLANS, REGARDLESS OF ROCK, WATER TABLE OR OTHER CONDITIONS WHICH MAY BE ENCOUNTERED IN THE COURSE OF THE WORK.
- ANY DISCREPANCY DISCOVERED BY THE CONTRACTOR IN THESE PLANS, OR ANY FIELD CONDITIONS DISCOVERED BY THE CONTRACTOR THAT MAY DELAY OR OBSTRUCT THE PROPER COMPLETION OF THE WORK SHOWN HEREON SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND THE ENGINEER IMMEDIATELY UPON DISCOVERY. SMO NOTIFICATION SHALL BE IN WRITING.
- ALL UNDERGROUND IMPROVEMENTS SHALL BE INSTALLED TESTED AND APPROVED PRIOR TO FINISH.
- THE CONTRACTOR SHALL NOT BEGIN EXCAVATING UNTIL ALL EXISTING UTILITIES HAVE BEEN MAINTAINED IN THE FIELD. THE CONTRACTOR SHALL NOTIFY EACH APPLICABLE ENTITY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. CALL UNDERGROUND SERVICE ALERT (CUSA) TWO WORKING DAYS BEFORE DIGGING AT (800) 227-2800 FOR LOCATES.
- GRADING AND CONSTRUCTION CONTRACTORS SHALL STOP WORK AND NOTIFY THE OWNER AND THE ENGINEER IF CULTURAL RESOURCES ARE DISCOVERED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL GIVE THE INSPECTOR 48 HOURS ADVANCE NOTICE OF ANY CONSTRUCTION OR REQUIRED TESTING.
- SHOULD THE CONTRACTOR OR ANY OF HIS AGENTS OR EMPLOYEES ENCOUNTER OR DISCOVER MATERIALS WHICH APPEAR TO BE HAZARDOUS DURING THE PERFORMANCE OF THE WORK, THE CONTRACTOR SHALL IMMEDIATELY AND SUSPEND WORK IN THE AFFECTED AREA UNTIL THE ENGINEER HAS INSPECTED THE LOCATION AND MATERIALS IN QUESTION. SHOULD IT BE NECESSARY TO UNDERTAKE REMEDIATION, THE ENGINEER WILL GIVE WRITTEN NOTICE TO SUSPEND WORK IN THE AFFECTED AREA UNTIL THE PROPER COURSE OF ACTION HAS BEEN DETERMINED. OPERATIONS IN THE AFFECTED AREA SHALL BE RESUMED ONLY UPON WRITTEN NOTICE BY THE ENGINEER.
- ALL SITE GRADING WILL BE INSPECTED BY THE ENGINEER. COMPACTION TESTING WILL BE CONDUCTED AFTER SUFFICIENT DENSITIES HAVE BEEN ACHIEVED IN THE CONTRACTOR'S OPINION. THE CONTRACTOR SHALL MAKE ALL REQUESTS FOR MATERIALS TESTING AT LEAST 48 HOURS IN ADVANCE. ANY SOILS THAT FAIL TO MEET THE REQUIRED COMPACTION LEVELS SHALL BE REMOVED AND RECOMPACTED. ALL COSTS ASSOCIATED WITH ACHIEVING COMPACTION STANDARDS SHALL BE INCLUDED IN THE CONTRACTOR'S ORIGINAL BID.
- THE TOPSOIL SHALL BE REMOVED FROM CUT AND FILL AREAS AND SHALL NOT BE USED FOR ENGINEERED FILL. TOPSOIL SHALL BE STOCKPILED SEPARATELY AND REPLACED OVER AREAS OF EXPOSED SUBGRADE TO A MINIMUM DEPTH OF 6 INCHES.
- NO CHANGES OR MODIFICATIONS SHALL BE MADE TO THESE PLANS WITHOUT WRITTEN APPROVAL BY THE ENGINEER.

APPROVED

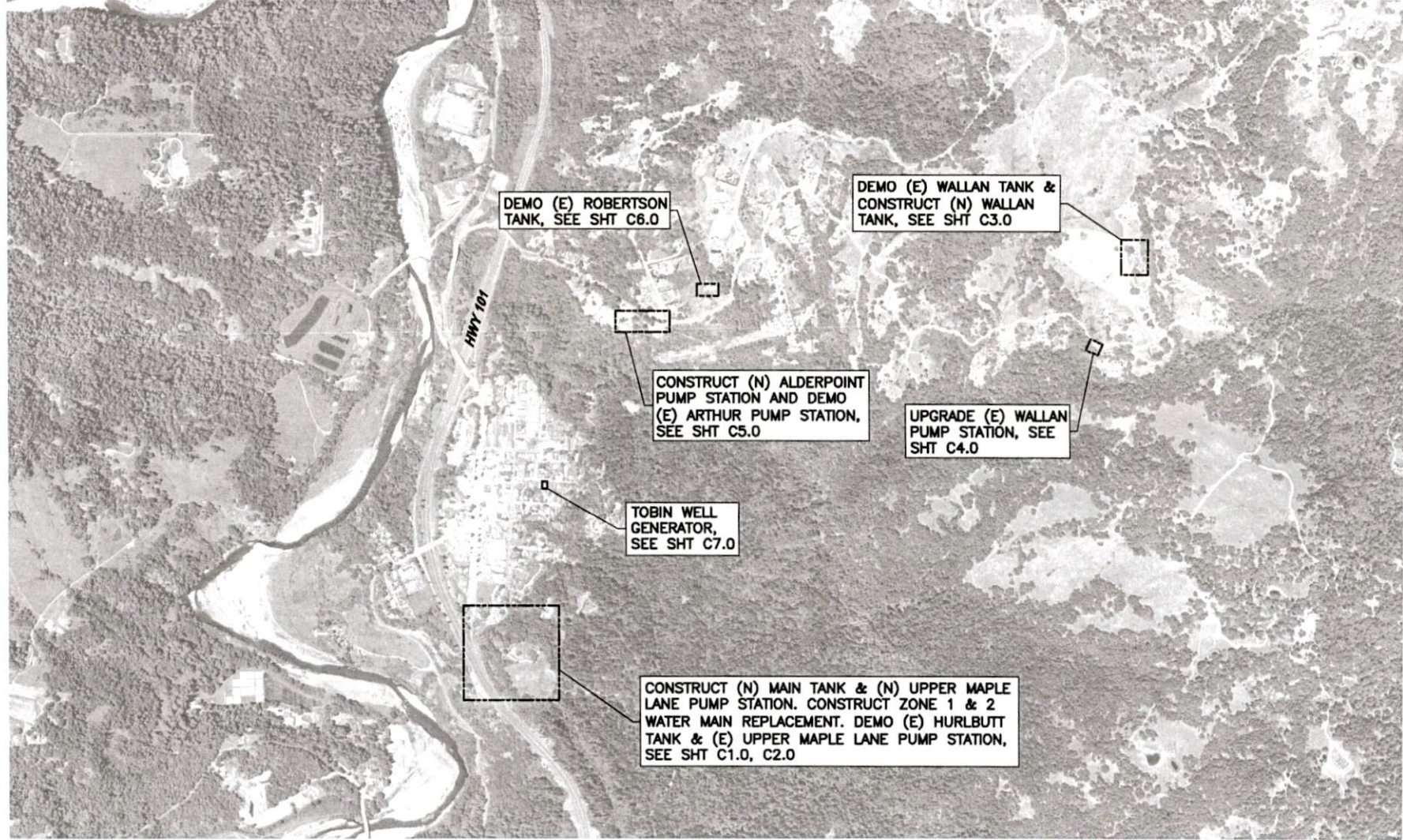
APR 4 2024

Humboldt County
PLANNING

60% DESIGN

PROJECT: CARBONVILLE SANITARY DISTRICT LOCATION: CARBONVILLE, CALIFORNIA SHEET: G2.0 DATE: 09/2023 PREP. NO.: 022067		REVISION NO. DATE	EIT NO. DATE
GENERAL NOTES CARBONVILLE SANITARY DISTRICT ROBERTSON/VAUGHAN CARBONVILLE, CALIFORNIA		NO. DATE	NO. DATE

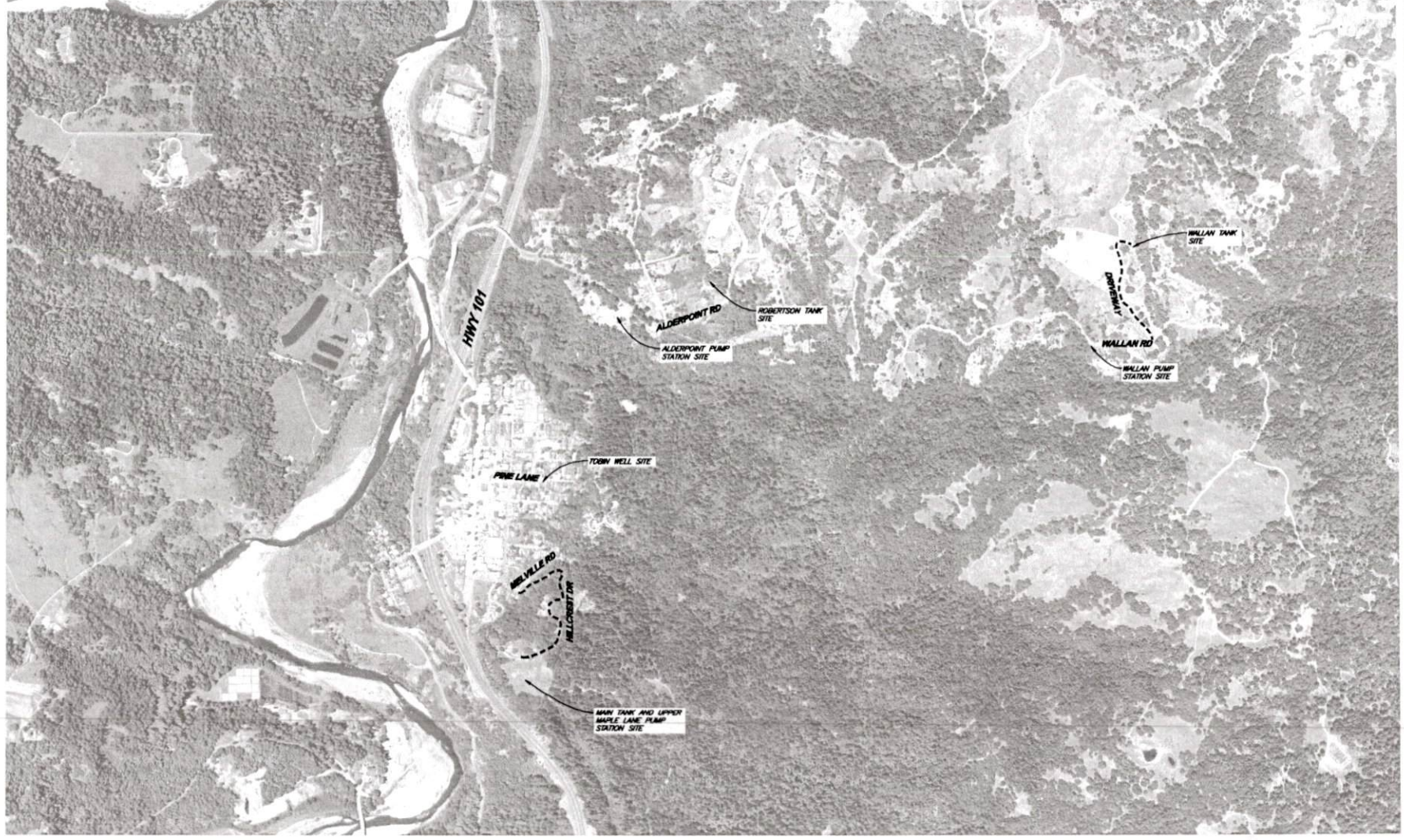
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60% DESIGN

		812 W. MADISON AVE SUITE 100 GARBERRVILLE, CA 94530 WWW.SW-CORP.COM 707-441-8855		SHEET C3.0
PROJECT OVERVIEW GARBERRVILLE SANITARY DISTRICT ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT GARBERRVILLE, CALIFORNIA		DR CON/INT PSK JPD	NO. DATE REVISION BY	PROJECT NO. 022067

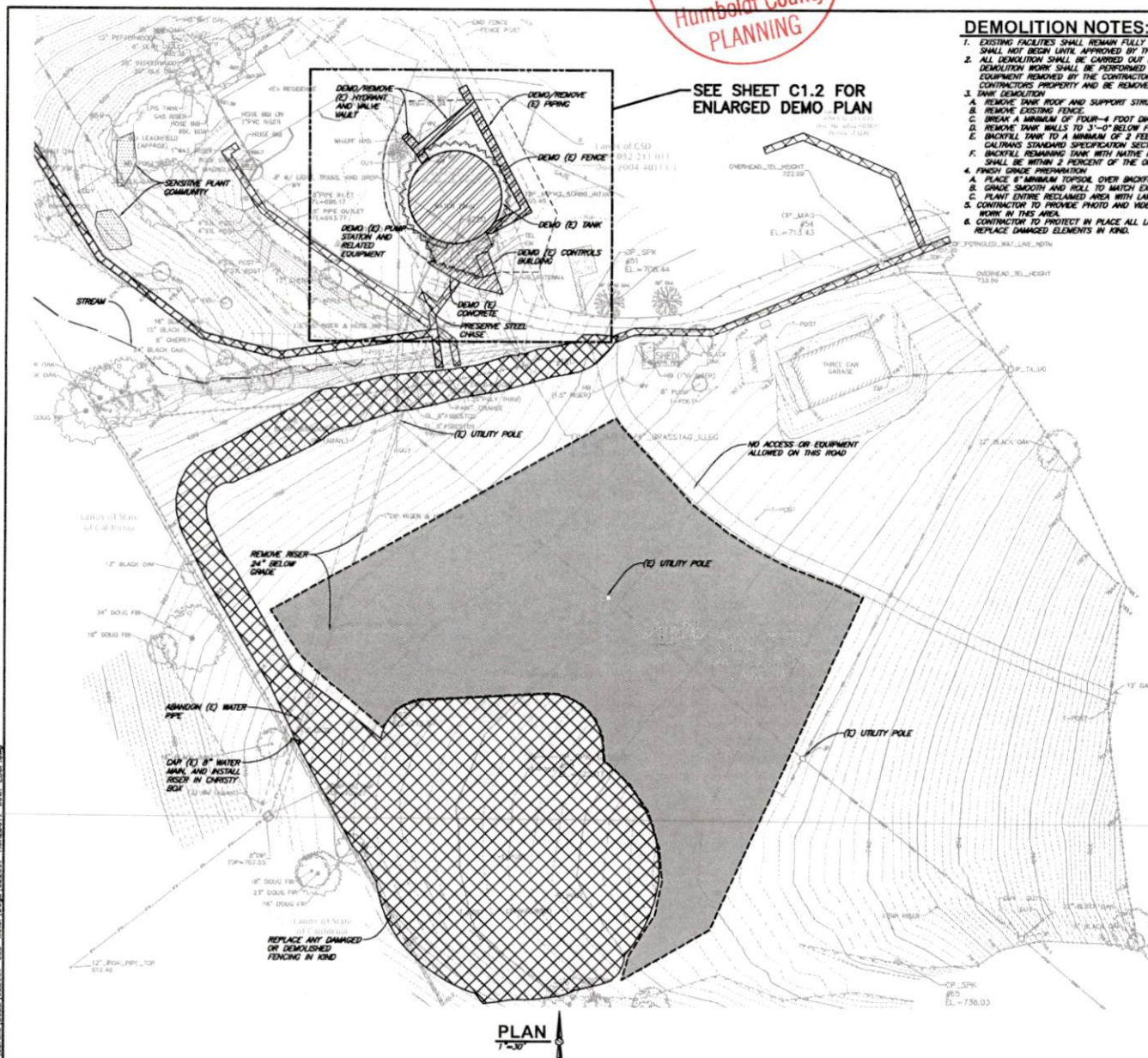
SAVED: 9/26/2023 4:22 PM C:\NHW\PROJECTS\10/1/2023 8:14 AM NEWELL CHMS
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60% DESIGN

APPROVED
 APR 4 2024
 Humboldt County
 PLANNING

		812 W. SAUGH AVE. GARBERVILLE, CALIFORNIA 95620 WWW.STW-CALIF.COM 707-441-8800		1" = 500' 0' 1" 2" 3" 4" 5" 6" 7" 8" 9" 10"	
SHEET C4.0	DATE 09/2023	PROJ. NO. 022067	NO. 000	DATE 09/2023	REVISION 01
GARBERVILLE SANITARY DISTRICT ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT GARBERVILLE, CALIFORNIA SITE ACCESS PLAN					



DEMOLITION NOTES:

1. EXISTING FACILITIES SHALL REMAIN FULLY OPERATIONAL UNTIL NEW FACILITIES ARE FULLY OPERATIONAL. DEMOLITION OF EXISTING FACILITIES SHALL NOT BEGIN UNTIL APPROVAL OF THE OWNER AND THE ENGINEER.
2. DEMOLITION SHALL BE COMPLETED WITHIN A CALENDAR YEAR FROM THE DATE WHEN THE DEMOLITION INQUIRY TO WORKMANS AND DAMAGE TO ADJACENT FACILITIES.
3. DEMOLITION WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LAWS AND ORDINANCES, EXISTING MATERIALS AND STRUCTURES REMOVED SHALL BE RECYCLED OR REUSED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS. THE CONTRACTORS PROPERTY AND BE REMOVED FROM THE JOB SITE AND PROPERLY DISPOSED OF, EXCEPT AS NOTED BELOW.
4. BANK DEMOLITION
- A. REMOVE BANK ROOF AND SUPPORT STRUCTURE.
- B. REMOVE EXISTING PAVING.
- C. MINIMUM OF FOUR-4 FOOT DIAMETER HOLES THROUGH BANK TO PROVIDE DRAINAGE THROUGH TANK.
- D. REMOVE TANK WALLS TO 3'-0" BELOW FINISHED GRADE. CONCRETE RUBBLE TO BE PLACED EVERY ACROSS TANK BOTTOM.
- E. REMOVE TANK WALLS TO 1'-0" OVER TOP OF CONCRETE RUBBLE WITH CLASS 2 PERMEABLE MATERIAL IN ACCORDANCE WITH CALIFORNIA STANDARD SPECIFICATION SECTIONS 1023.
- F. BACKFILL REMAINING BANK WITH NATIVE MATERIAL TO 2'-0" BELOW FINISHED GRADE. NATIVE MATERIAL TO BE PLACED IN 8-INCH LAYS AND COMPACTED WITHIN EACH LAYER TO MEET MOISTURE CONTENT, COMPACT NATIVE MATERIAL TO MEET RELATIVE COMPACTION.
- G. FINISH GRADE PREPARATION
1. REMOVE EXISTING PAVING OVER BACKFILL.
2. GRADE SMOOTH AND NOD TO MATCH EXISTING CONTIGUOUS.
3. PLANT ERECTOR RECLAIMED AREA WITH LAWN GRASS AND APPLY FERTILIZER AT MANUFACTURERS RECOMMENDED RATES.
4. CONFORM TO PRICE PRICED AND PROPERTY TO EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK IN THIS AREA.
5. CONFORM TO PROTECT IN PLACE ALL LANDSCAPING AND ARCHITECTURAL ELEMENTS. IF DAMAGE OCCURS, THE CONTRACTOR IS TO REPLACE DAMAGED ELEMENTS IN KIND.

LEGEND

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

VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL DRAWING

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

812 W. WABASH AVE.
EUREKA, CA 95501
WWW.SHN-ENGR.COM
707-441-8855



BY	PERSON
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RE	DATE
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DESIGN	MAN	NO.	E
DR	JWF/CDN		
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APPRO			

DISTRICT LINKS REPLACEMENT ARNIA ERATION AND LAN

GARBERVILLE SANITARY ENGINEERS
 WALLAN/HURLETT TANKS
 GARBERVILLE, CALIFORNIA

ROBERTSON/
MAIN TAN

SHEET
C1.1

SEQ
DATE 09/2023
PROJ. NO. 022067

SAVED: 10/4/2023 9:34 AM CHEWELL, PLOTTED: 10/4/2023 9:35 AM NEWELL, CHRIS
 A: | Qundo | 2022 | 022067-GSD-White | Dogs | 022067-HURLBUTT-TANK-ESDP.dwg

VERIFY SCALES

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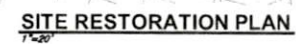
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	CLEARING AND GRUBBING
	DEMOLITION



SAVED: 10/4/2023 9:34 AM CNEWELL, PLOTTED: 10/4/2023 9:36 AM NEWELL, CHRIS
P: Curmelo | 2022 | 0227067 - GSD - Walter | Dogs | 022067 - HARLBUTT - TANK - ESCP.dwg

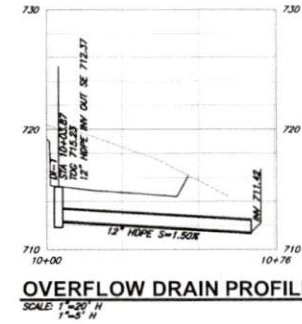
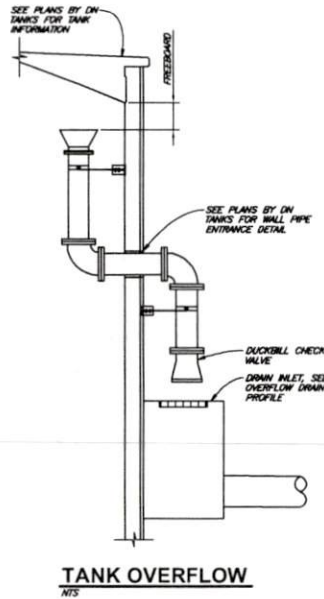
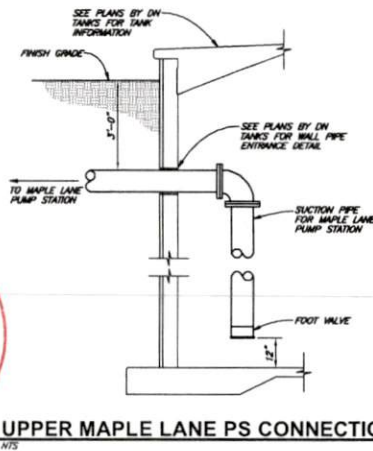
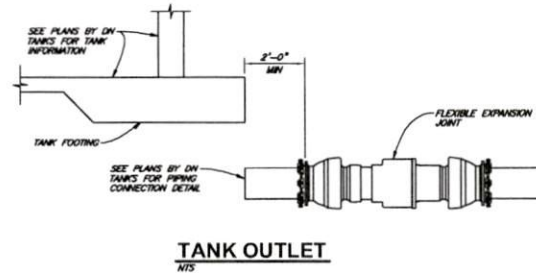
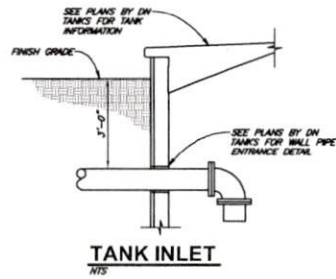


APPROVED
9 4 2024
Humboldt County
PLANNING

60% DESIGN

[illegible]

SAVED: 8/29/2023 5:07 PM CHWELL PLOTTER: 10/4/2023 8:16 AM NEWELL CHWIS
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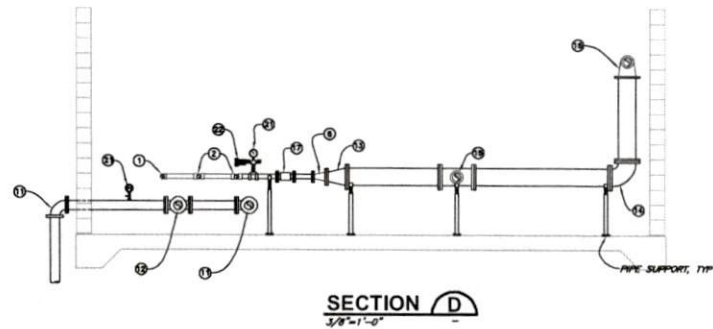
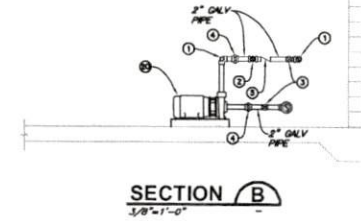
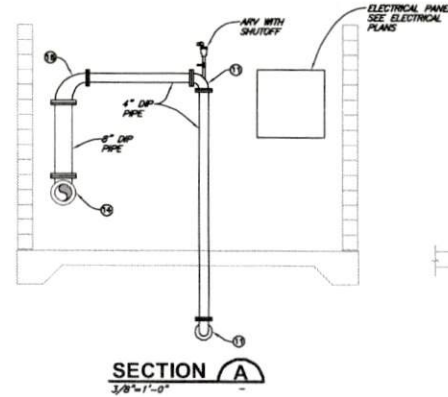
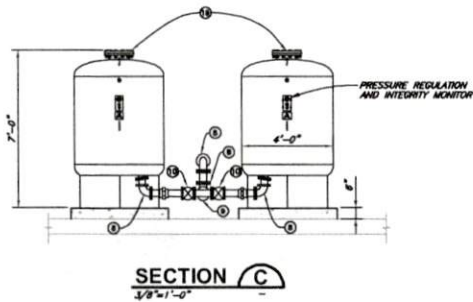
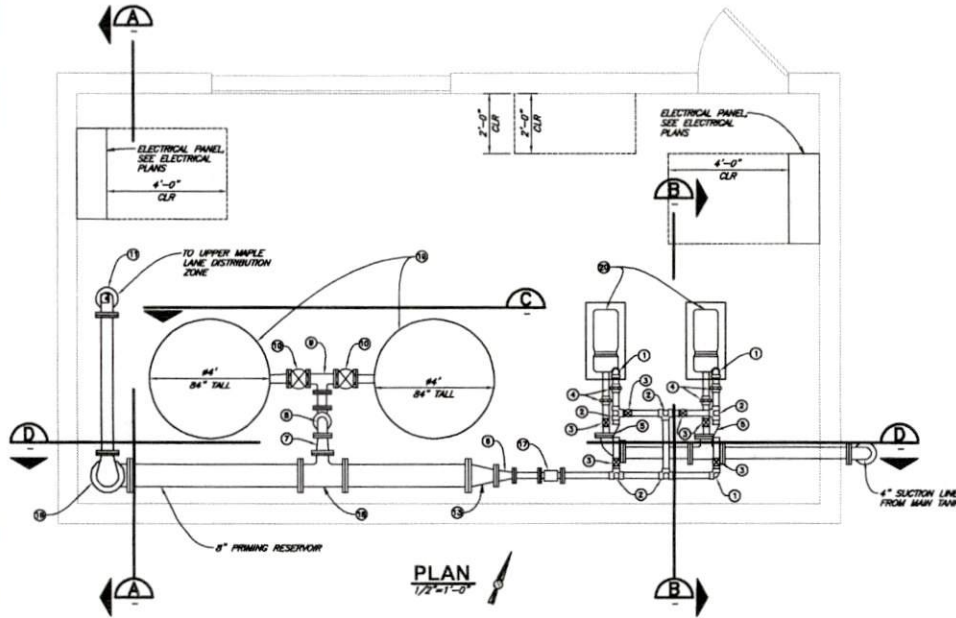


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CARBONVILLE SANITARY DISTRICT ROBERTSON/VALLEYVIEW TANK REPLACEMENT CARBONVILLE, CALIFORNIA															
MAIN TANK CONNECTIONS															
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0128		09/2023		0128		0128									
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0195		09/2023		0195		0195									
0196</															

KEY NOTES:

- 1 2" GALV EL
- 2 2" GALV TEE
- 3 2" BALL VALVE
- 4 2" GALV UNION
- 5 2" CHECK VALVE
- 6 4"x2" DIP ROCK
- 7 4"x3" DIP ROCK
- 8 3" DIP EL
- 9 3" DIP TEE
- 10 3" GATE VALVE
- 11 4" DIP EL
- 12 4" DIP TEE
- 13 8"x4" DIP ROCK
- 14 6" DIP EL
- 15 8"x4" DIP ROCK TEE
- 16 8"x4" ROCK EL
- 17 2" MAG FLOW METER
- 18 8"x4"x6" DIP TEE
- 19 422 GAL PRESSURE TANK, FULL ACCEPTANCE, REPLACEABLE BLADDER
- 20 2" END SUCTION PUMP, SEE SPECIFICATIONS
- 21 PRESSURE GAUGE ASSEMBLY 0-100PSI
- 22 PRESSURE TRANSMITTER



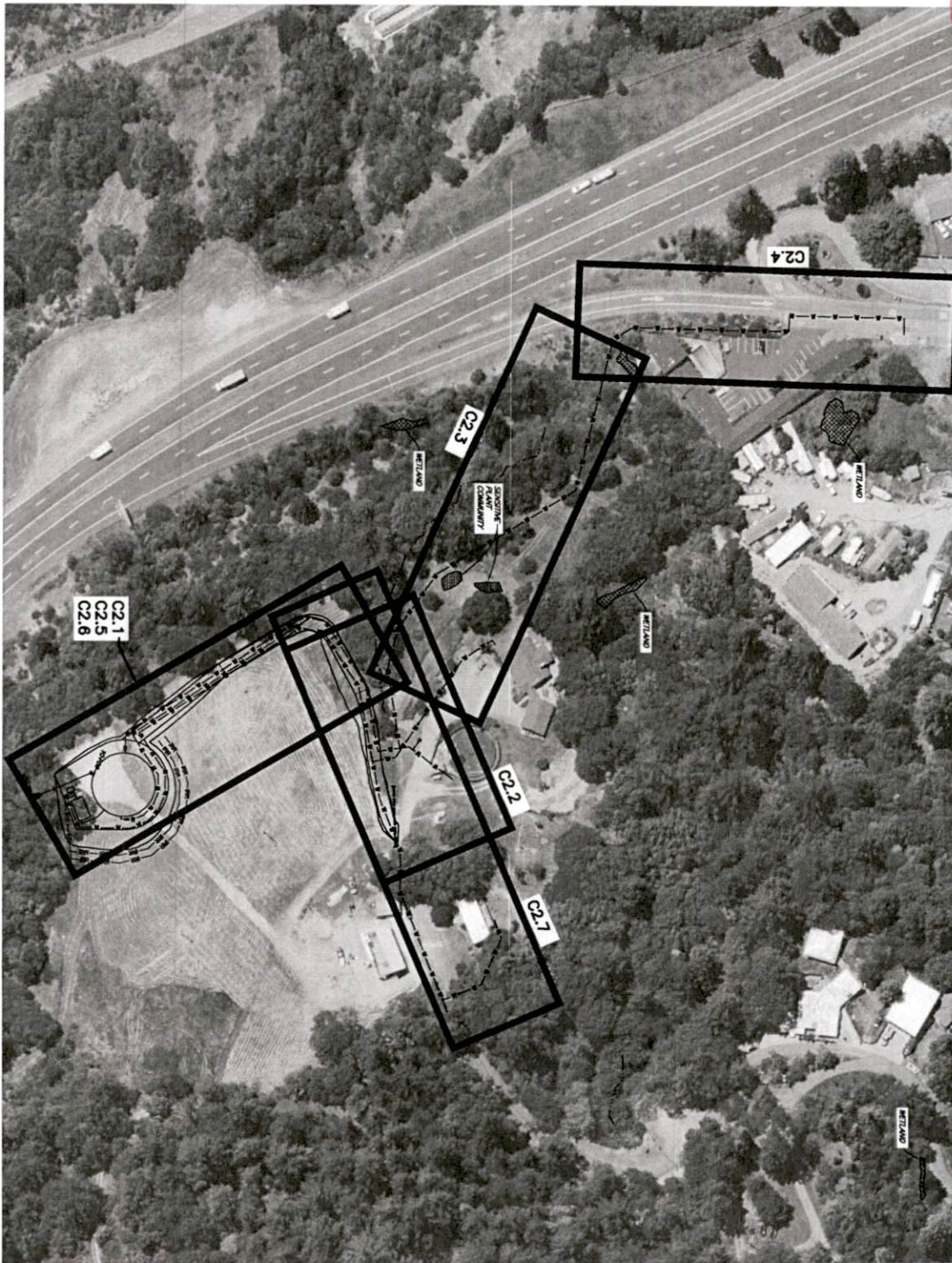
APPROVED
APR 4 2024
Humboldt County
PLANNING

		812 W. VAUGHN AVE. Eureka, CA 95501 WWW.SW-CA.COM 707-441-8855	
DESIGN	PER	DATE	BY
DR	CHK	NO.	REV
CARBONVILLE SANITARY DISTRICT ROBERTSON/HURLBUTT TANKS REPLACEMENT CARBONVILLE, CALIFORNIA UPPER MAPLE LANE PUMP STATION MECHANICAL PLAN			
SHEET C1.8		DATE 09/20/23 PROJ. NO. 022067	

60% DESIGN

SHARED: 8/29/2023 5:08 PM JFOSTER_PLOTTED: 10/4/2023 8:17 AM NEWELL_CHWIS
 A:\Drawings\2023\022067-02D-Mech\UpperMaple\022067-16R1\BUT-PLAN-MECH.dwg

APPROVED
 APR 4 2024
 Humboldt County
 PLANNING



PLAN
 N

60% DESIGN

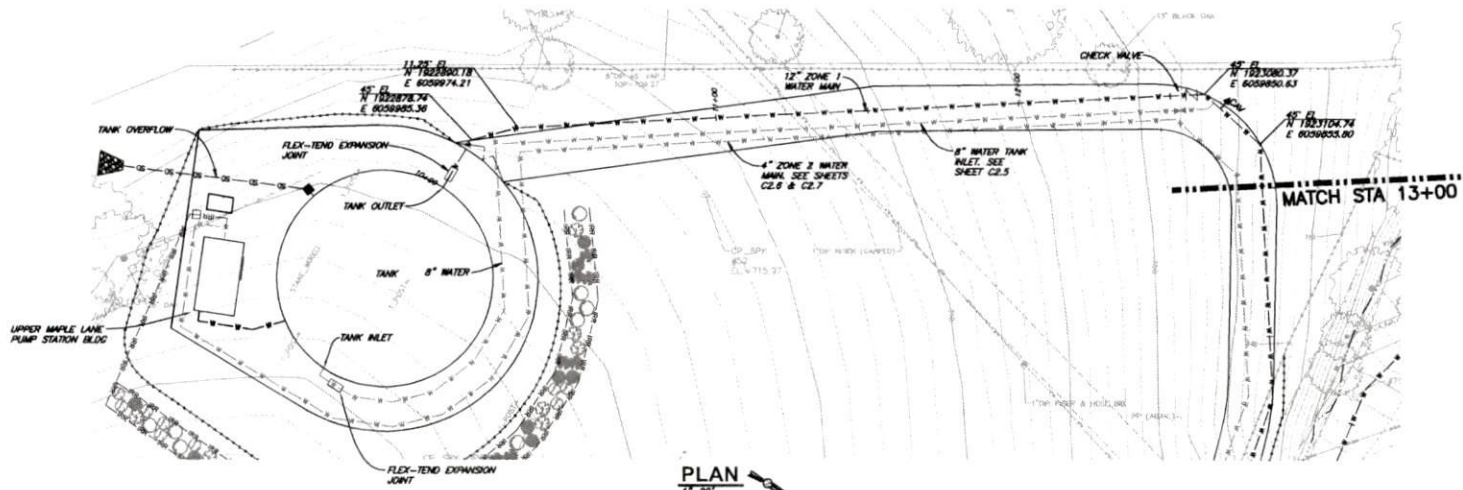
SHEET C2.0		DESIGN -		NO.		DATE		REVISION		BY	
DATE 09/20/23		DR CON/JWP		NO.		DATE		REVISION		BY	
PROJ. NO. 022067		CHK JSD		NO.		DATE		REVISION		BY	
MAIN TANK WATER MAIN OVERVIEW		DESIGNED BY CON/JWP		NO.		DATE		REVISION		BY	

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

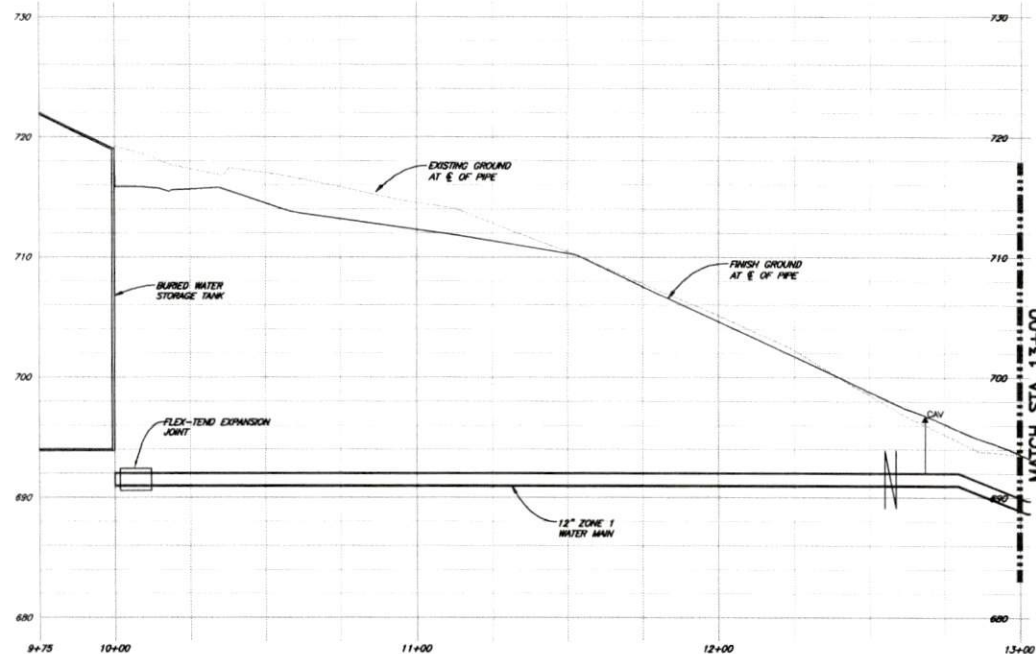
STW
 812 W. WINDASH AVE.
 EUREKA, CA 95501
 WWW.STW-ENGR.COM
 707-441-8850

VERIFY SCALES
 1" = 100' (ON ORIGINAL DRAWING)
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

SHEET: 8/29/2023 3:33 PM CNEWELL, PLOTTED: 10/4/2023 8:17 AM NEWELL, CHRIS
 A:\Users\j2022\Documents\2022\022067-020-Main\022067-MAIN\BUTT-TANK-WATER-MAIN-PLAN.dwg



PLAN
 1"=20'

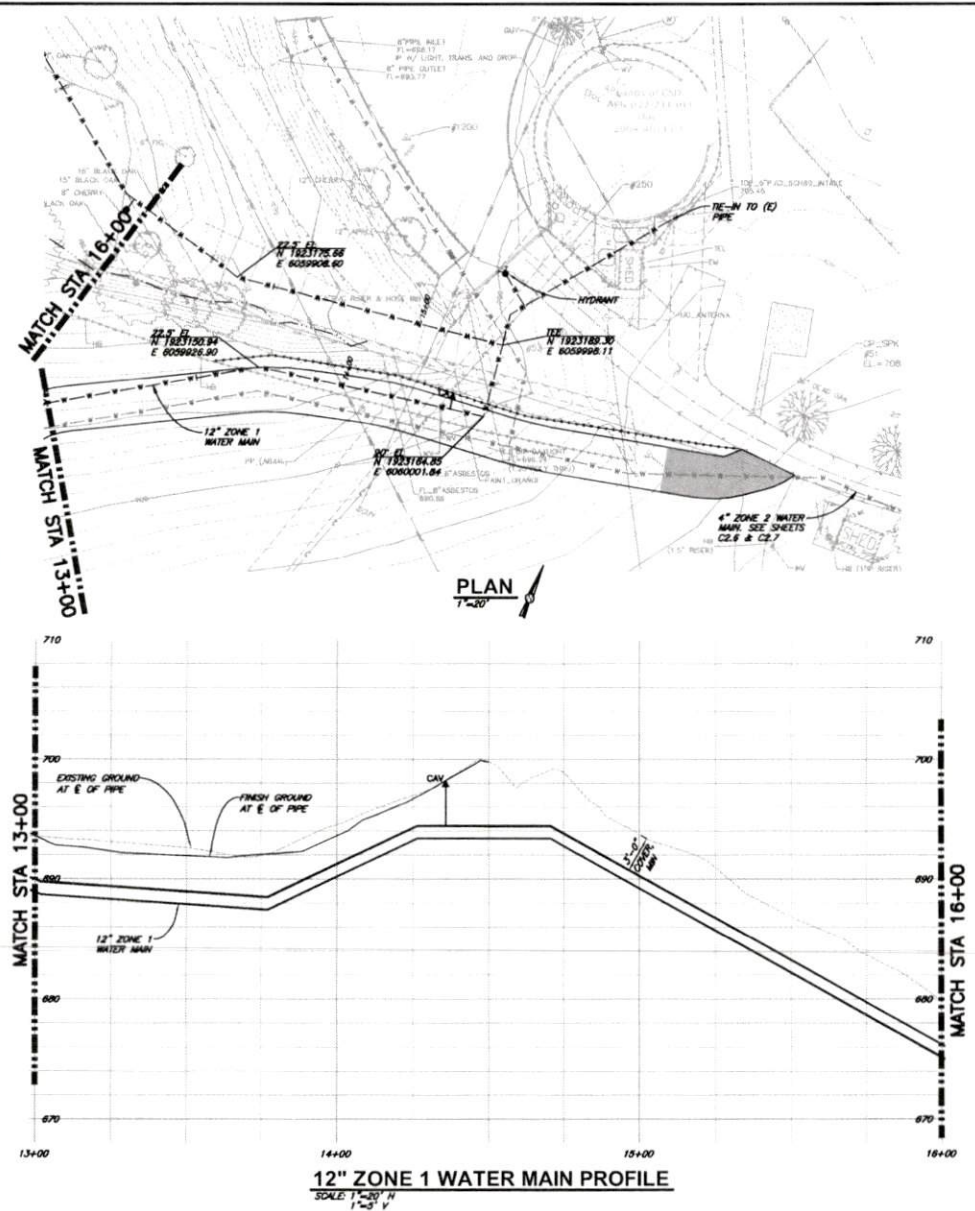


12" ZONE 1 WATER MAIN PROFILE
 SCALE: 1"=20' H
 1"=8' V


APPROVED
 APR 4 2024
 Humboldt County
 PLANNING

60% DESIGN

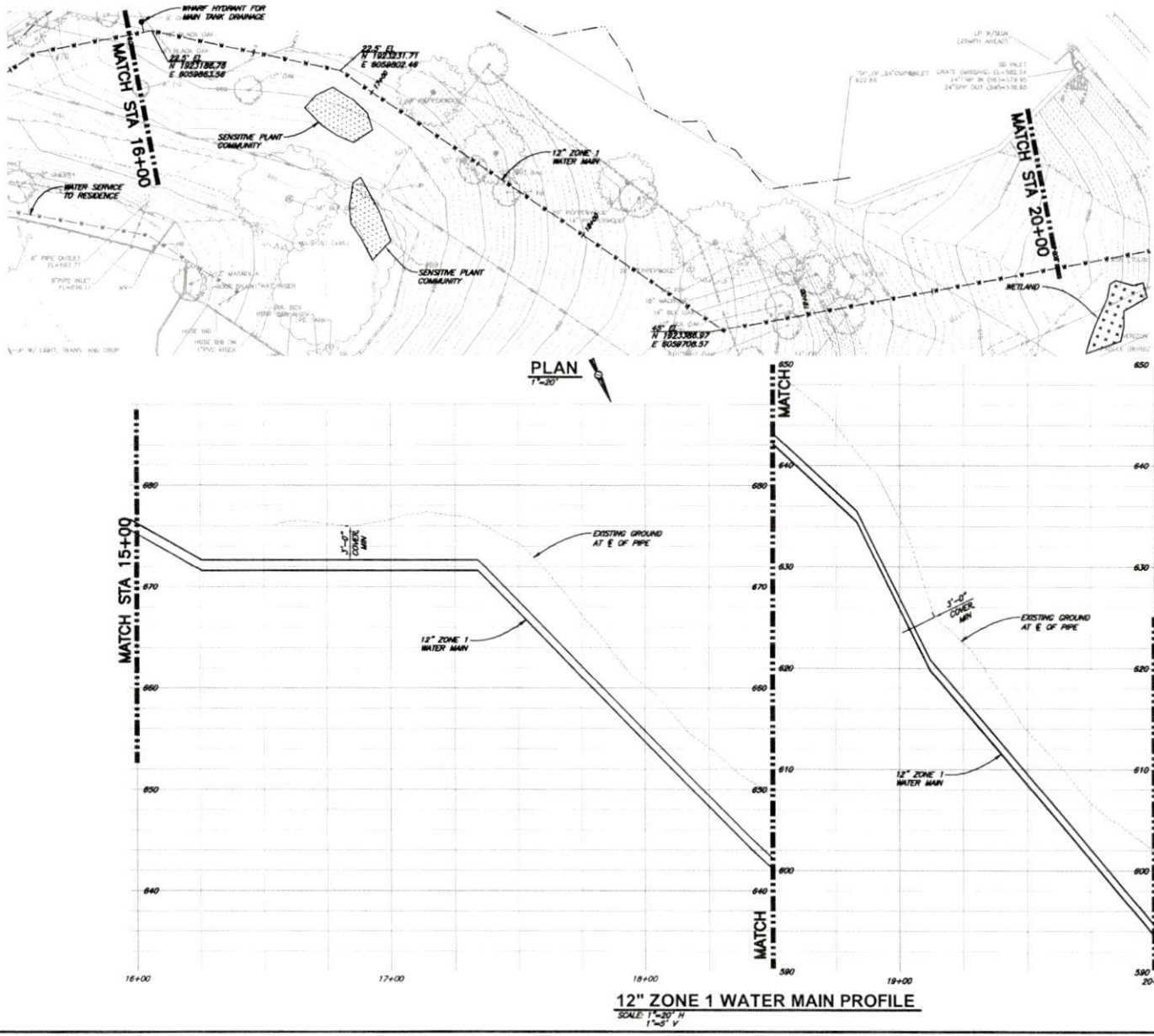
SHEET C2.1		DATE 09/20/23
PROJ. NO. 022067		REVISION NO. DATE
PROJECT TITLE CARBONVILLE SANITARY DISTRICT ROBERTSON/WALLAN/HURLETT TANKS REPLACEMENT MAIN TANK WATER MAIN PLAN AND PROFILE		
DESIGNER CNEWELL		
CHECKER J2022		
DATE 09/20/23		
PROJECT NO. 022067		
PROJECT LOCATION 812 W. WASH. AVE. CARBONVILLE, CALIFORNIA 95523-4411		
SCALE 1"=20' H 1"=8' V		



60% DESIGN

SHEET C2.2		TANKS - OR <i>HW</i> / <i>CON</i> CRK <i>ISO</i> JPOD		NO. DATE REVISION		BY	
GABRIELVILLE SANITARY DISTRICT ROBERTSON/WALLAN/HURLEBUTT TANKS REPLACEMENT GABRIELVILLE, CALIFORNIA MAIN TANK WATER MAIN PLAN AND PROFILE		812 N. WADSWORTH AVE. EUREKA, CA 95501 WWW.SSW-ENR.COM 707-441-8866				VERIFY SCALES HWS IS ONE INCH OR OTHER DRAWING 0 1" = 1'-0" IF NOT ONE INCH OR OTHER DRAWING SCALES ADDITIONALLY INDICATED	
DATE <i>08/20/23</i> PROJ. NO. <i>022067</i>							

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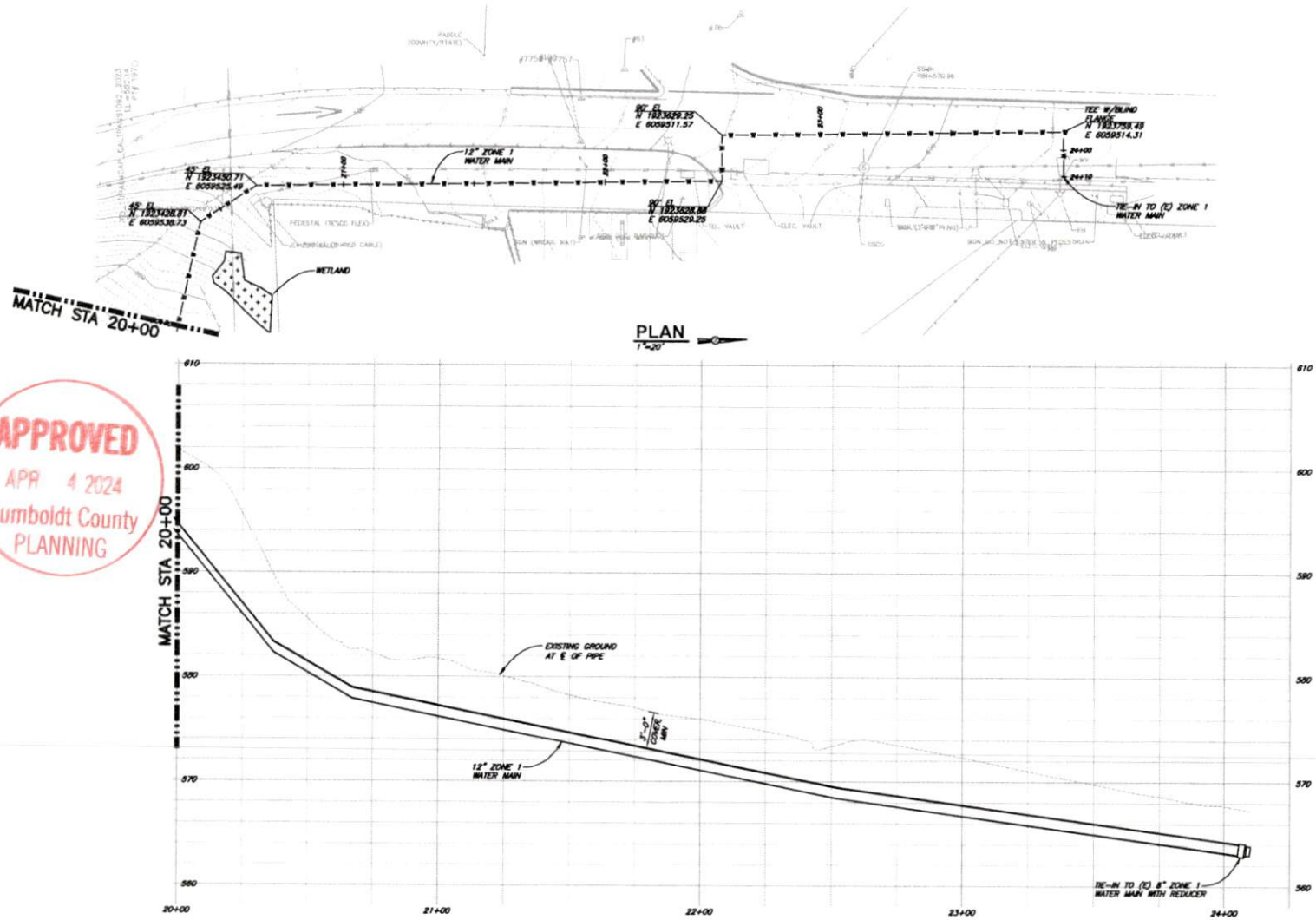
APPROVED
 APR 4 2024
 Humboldt County
 PLANNING

60% DESIGN

DESIGN CHENWELL DATE 08/20/23 CHECKER JMW/CDM PROJECT NO. 022067		SHEET C2.3 SEQ DATE 08/20/23 PROD. NO. 022067		REVISION NO. DATE		BY BT	
GARBERVILLE SANITARY DISTRICT ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT GARBERVILLE, CALIFORNIA MAIN TANK WATER MAIN PLAN AND PROFILE							
KERRY SCALES 810 W. WILSON AVE. EUREKA, CA 95501 WWW.KERRY-SCALES.COM 707-441-0800 1"=30' H 1"=3' V SCALE ACCORDING							

SAVED: 8/29/2023 3:33 PM CHIRRELL PLOTTED: 10/14/2023 8:18 AM NEWELL CHIRRELL
 P:\Projects\2023\022067-032-Humboldt County\022067-032-Humboldt County\MAIN-PLAN-PROF.dwg

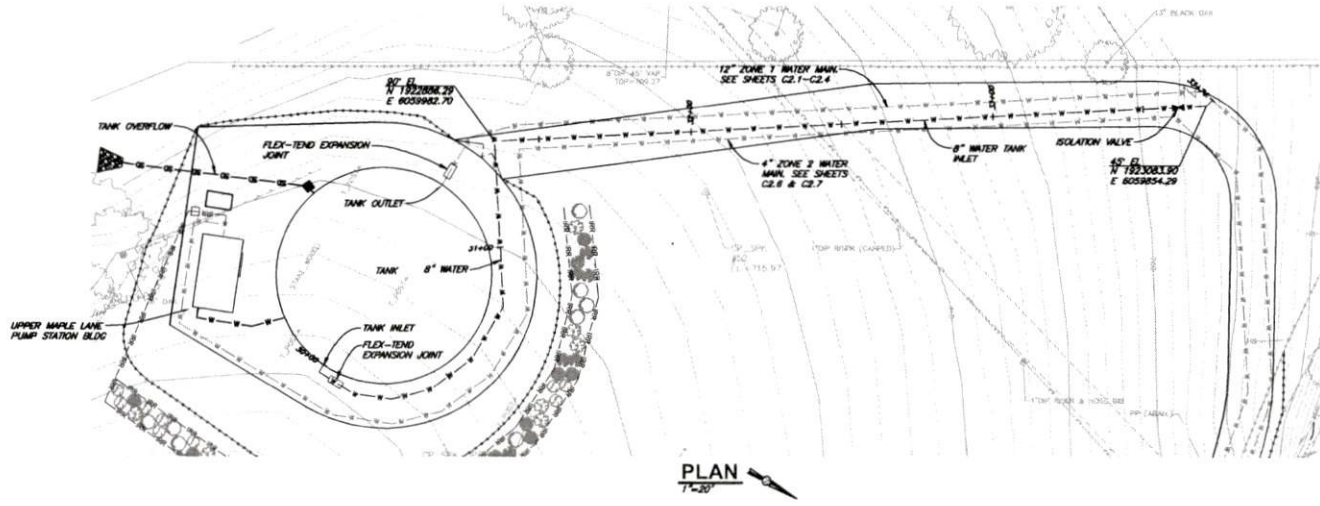
APPROVED
 APR 4 2024
 Humboldt County
 PLANNING



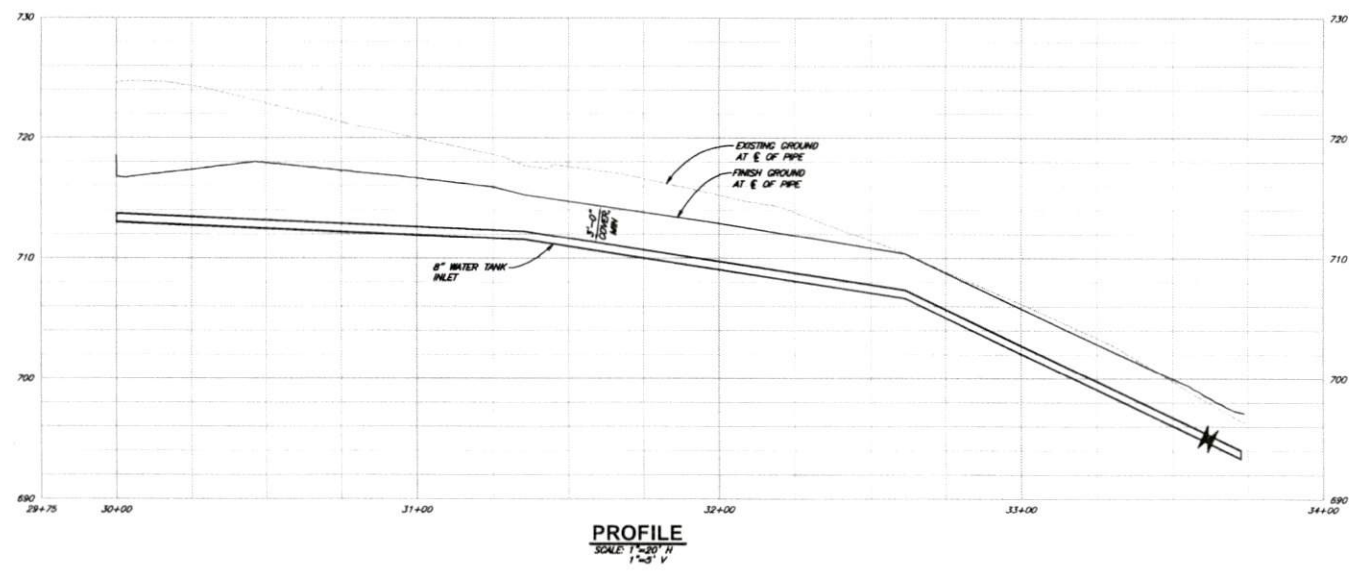
60% DESIGN

STW S.W. WILSON & ASSOCIATES 1115 N. WILSON AVE. SUITE 100 CARBONATE, CALIFORNIA 95941 WWW.SW-WILSON.COM 916-441-1885		CHECKED BY: [Signature] DATE: 08/20/23 PROJECT NO.: 022067
SHEET C2.4	REVISION NO. DATE BY	PROJECT CARBONATE SANITARY DISTRICT ROBERTSON/WILSON/HURLETT TANKS REPLACEMENT CARBONATE, CALIFORNIA MAIN TANK WATER MAIN PLAN AND PROFILE

SAVED: 8/29/2023 5:08 PM CHEWELL, PLOTTED: 10/4/2023 8:18 AM NEWELL, CHRIS
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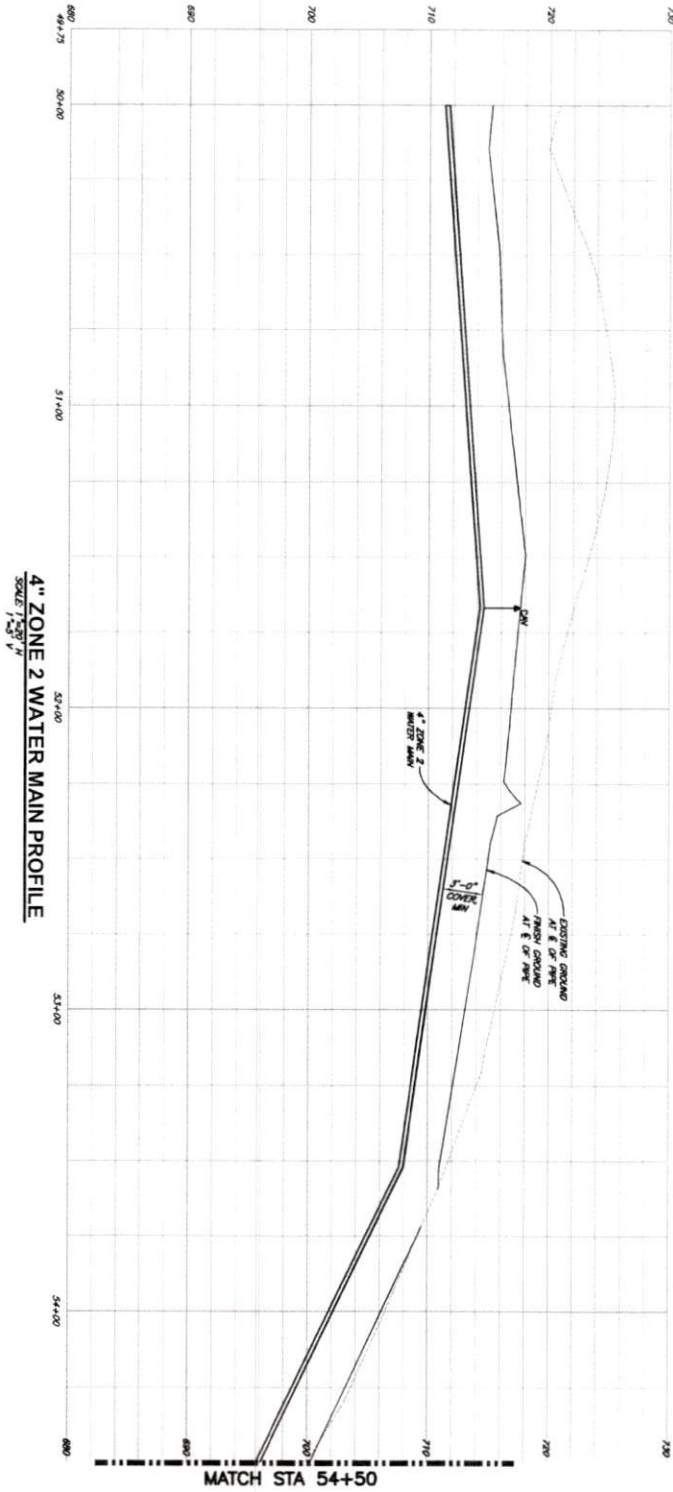
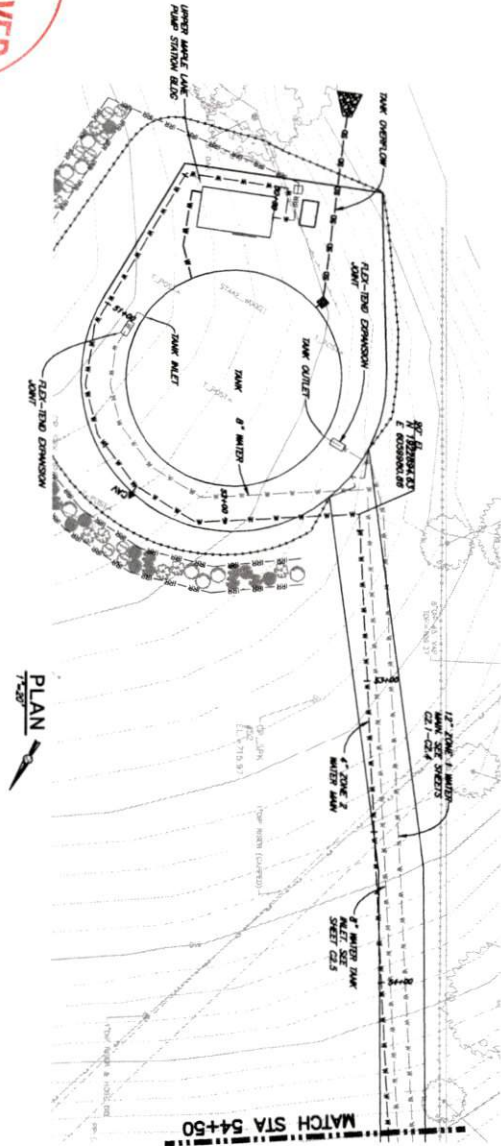
APPROVED
 APR 4 2024
 Humboldt County
 PLANNING



60% DESIGN

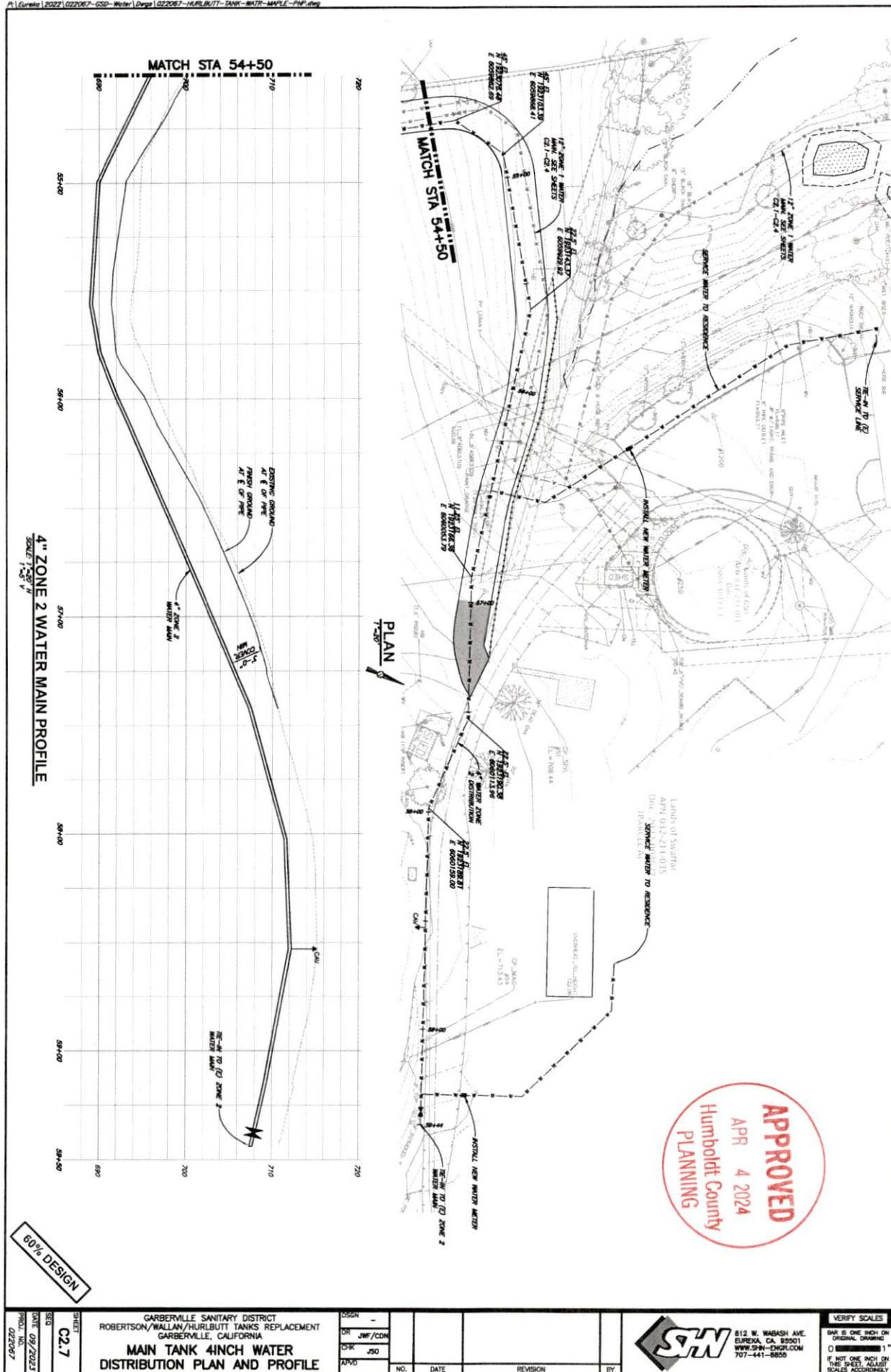
KERRY SCALES 813 W. MADISON AVE. EUREKA, CA 95501 (707) 441-8800 FAX: (707) 441-8805 WWW.KERRYSCALES.COM		SHEET C2.5 DATE 09/2023 PROJ. NO. 022067
DESIGN BY JMF/CDM CHECK JSD DATE 7/20/23		REVISION NO. DATE
GARBERVILLE SANITARY DISTRICT ROBERTSON/WALLMAN/HURLBUTT TANKS REPLACEMENT GARBERVILLE, CALIFORNIA MAIN TANK WATER INLET PLAN AND PROFILE		

APPROVED
 APR 4 2024
 Humboldt County
 PLANNING



60% DESIGN

SHEET C2.6		DESIGN - OR JWF/CDM CHK JSD APPD		NO. DATE REVISION BY	
CARBONVILLE SANITARY DISTRICT ROBERTSON/WALLAN/HURLBUIT TANKS REPLACEMENT CARBONVILLE, CALIFORNIA MAIN TANK 4-INCH WATER DISTRIBUTION PLAN AND PROFILE					
DATE 09/20/2023 PROJ. NO. 022067		612 W. WADSWORTH AVE. EUREKA, CA. 95501 WWW.SW-ENG.COM 707-441-8855		VERIFY SCALES THIS IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	





APR 4 2024

PLAN



60% DESIGN

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

DSGN	-
DR	CDN/JWF
CHK	JSO
APVD	

NO.	DATE	REVISION	BY



812 W. WABASH AVE.
EUREKA, CA. 95501
WWW.SHIN-ENGR.COM
707-441-8858

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

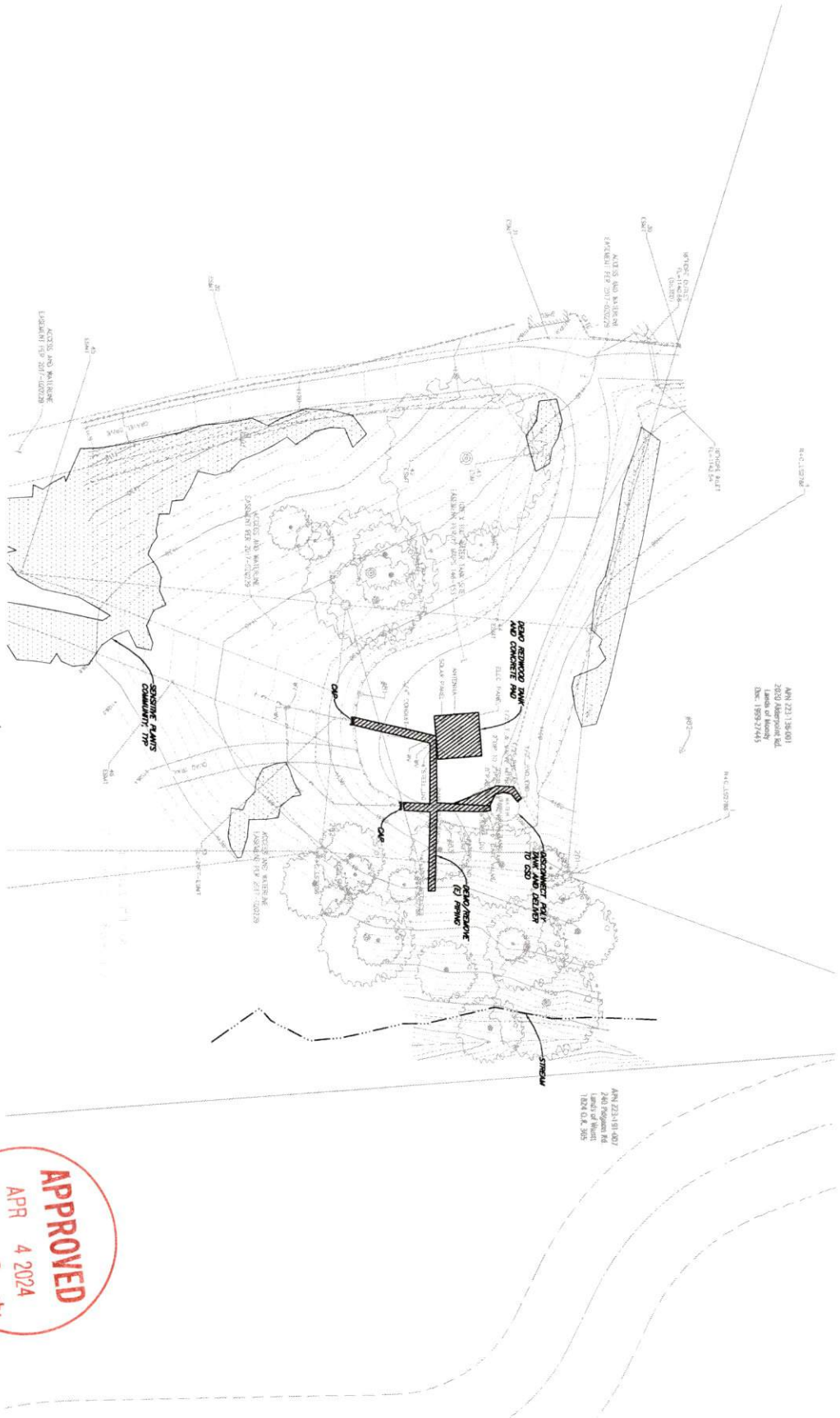
DEMOLITION NOTES:
 1. EXISTING POLY TANK SHALL REMAIN FULLY OPERATIONAL UNTIL NEW TANK IS CONSTRUCTED
 2. CONTRACTOR SHALL DEMOLISH AND PROPERLY DISPOSE OF ALL ITEMS SHOWN TO BE DEMOLISHED

PLAN
 1"=20'

LEGEND
 DEMOLITION/REPLACE
 EXISTING PLANTS
 COMMUNITY

APPROVED
 APR 4 2024
 Humboldt County
 PLANNING

60% DESIGN



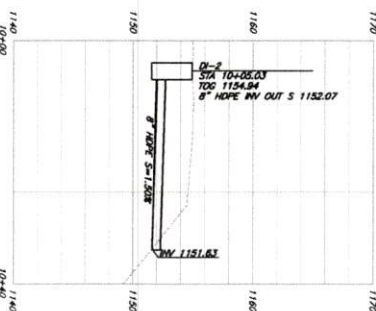
CARBERRYVILLE SANITARY DISTRICT ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT CARBERRYVILLE, CALIFORNIA WALLAN TANK CLEARING, GRUBBING, AND DEMOLITION PLAN				DESIGNED DRAWN CHECKED APPROVED	NO. DATE REVISION BY	813 W. WABASH AVE. EUREKA, CA. 95501 WWW.SH-ENR.COM 707-441-6850	VERIFY SCALES 1" = 100' IF NOT ONE INCH ON THE SHEET, ADD ON SCALES ACCORDINGLY
SHEET CS.1 DATE 09/20/2023 PROJ. NO. 022067				SH-ENR			

APPROVED
APR 4 2024
Humboldt County
PLANNING

PLAN
7'-0"

TRAIL TO EXISTING 4" WATER
TANK LOCATION APPROXIMATE
CONNECTION TO LOCATE IN FIELD

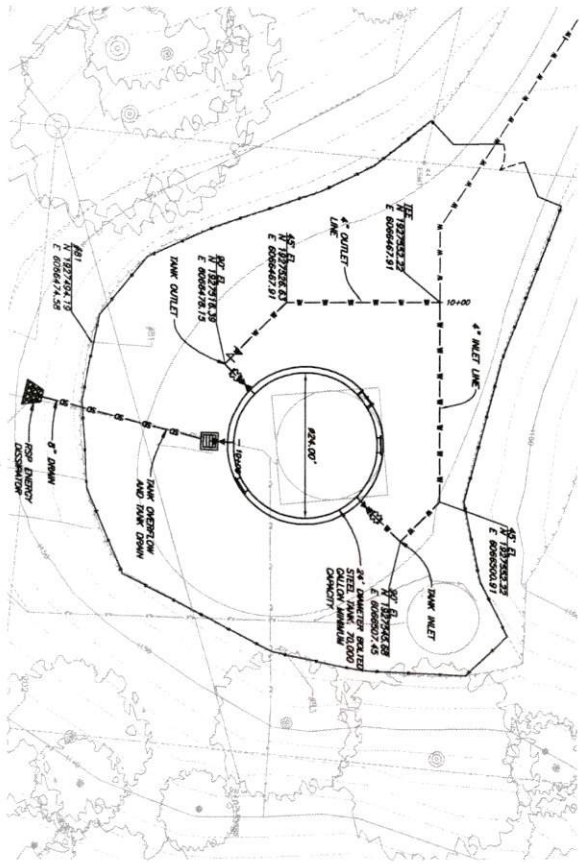
TANK DRAIN PROFILE
SCALE: 1"=10' H

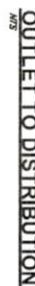
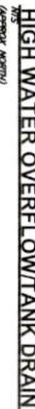
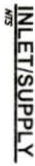


60% DESIGN

CARBONVILLE SANITARY DISTRICT ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT CARBONVILLE, CALIFORNIA WALLAN TANK SITE PLAN & YARD PIPING		DESIGNED BY DRAWN BY CHECKED BY APPROVED BY	NO. DATE REVISION BY	SN 812 W. WABASH AVE. EUREKA, CA. 95501 WWW.SN-ENGR.COM 707-441-8850	VERIFY SCALES 1"=1' IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY
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PLAN
7'-0"






- NOTES:

SELECTING ISOLATION RITS SHALL
STEEL HARDWARE AND FASTENERS



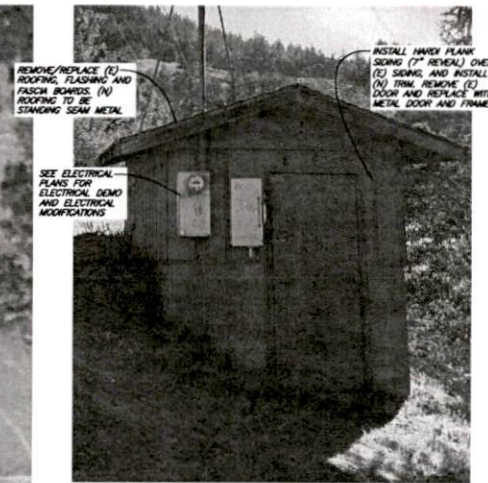
60%

DATE 09/20/2017	C3.3	GARBERVILLE SANITARY DISTRICT ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT GARBERVILLE, CALIFORNIA WALLAN TANK LAYOUT	1050N							812 W. MADASH AVE. CLURENA, CA 95021 WWW.SW-ENGR.COM 707-441-8850	VERIFY SCALES
			OR .NNE/COM OR .SBO APX0	NO.	DATE	REVISION	BY	SWR IS ONE INCH ON ORIGINAL DRAWING. <input type="checkbox"/> 1" IF NOT ONE INCH ON THIS SHEET, ALL SCALES ACCORDING TO			

SHEET: 9/29/2023 3:18 PM JFOSTER, PLOTTED: 10/4/2023 8:20 AM NEWELL, CHRIS
 P:\Clients\2023\022067-SSC-Water\Drawings\022067-WALL-PUMP-STATION-UPGRADE.dwg



PLAN
 1"=50'



PUMP STATION EXTERIOR



PUMP STATION INTERIOR

LEGEND



DEMOLITION/REMOVE

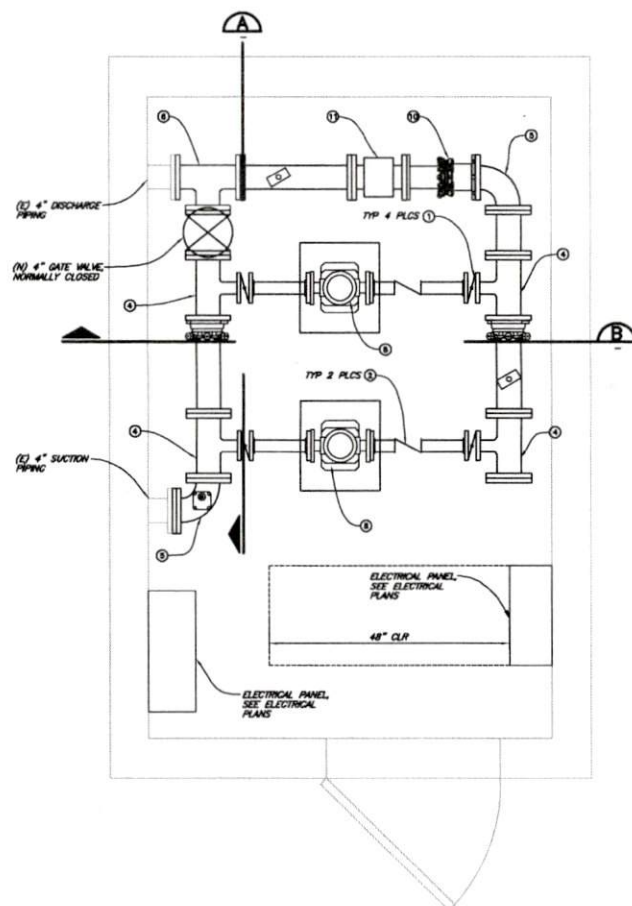


SENSITIVE PLANTS COMMUNITY

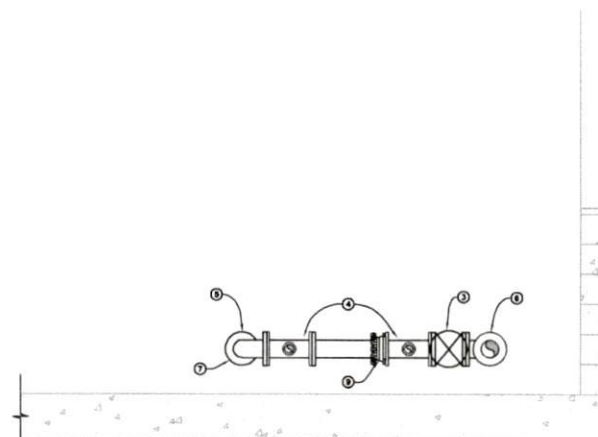
60% DESIGN

KERRY SCALES PROJECT MANAGER 815 N. WILSON AVE. SUITE 100 WYLLIE, CALIFORNIA 95991 WWW.SCALES-DESIGN.COM 707-441-8855		DATE 09/29/2023	PROJ. NO. 022067
CARBONVILLE SANITARY DISTRICT ROBERTSON/WALLAN/HURLBURT TANKS REPLACEMENT CARBONVILLE, CALIFORNIA		SHEET C4.0	REVISION BY
WALLAN PUMP STATION UPGRADES		INC.	DATE

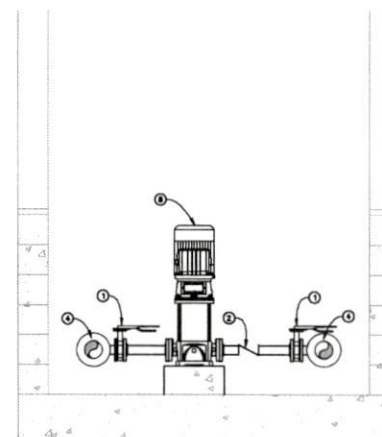
ITEM NO.				DESCRIPTION		QUANTITY	
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2	2" CHECK VALVE	8	BOOSTER PUMP 550GPM @ 300', 7.5 HP	15		15	
3	4" DP DV	12		12		12	
4	4"x4"x8" DP TEE	8	4" ROFA	18		18	
5	4" DP EL	8	DISMANTLING JOINT	18		18	
6	4" DP TEE	15	MAGNETIC FLOW METER	17		17	



PLAN
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SECTION A

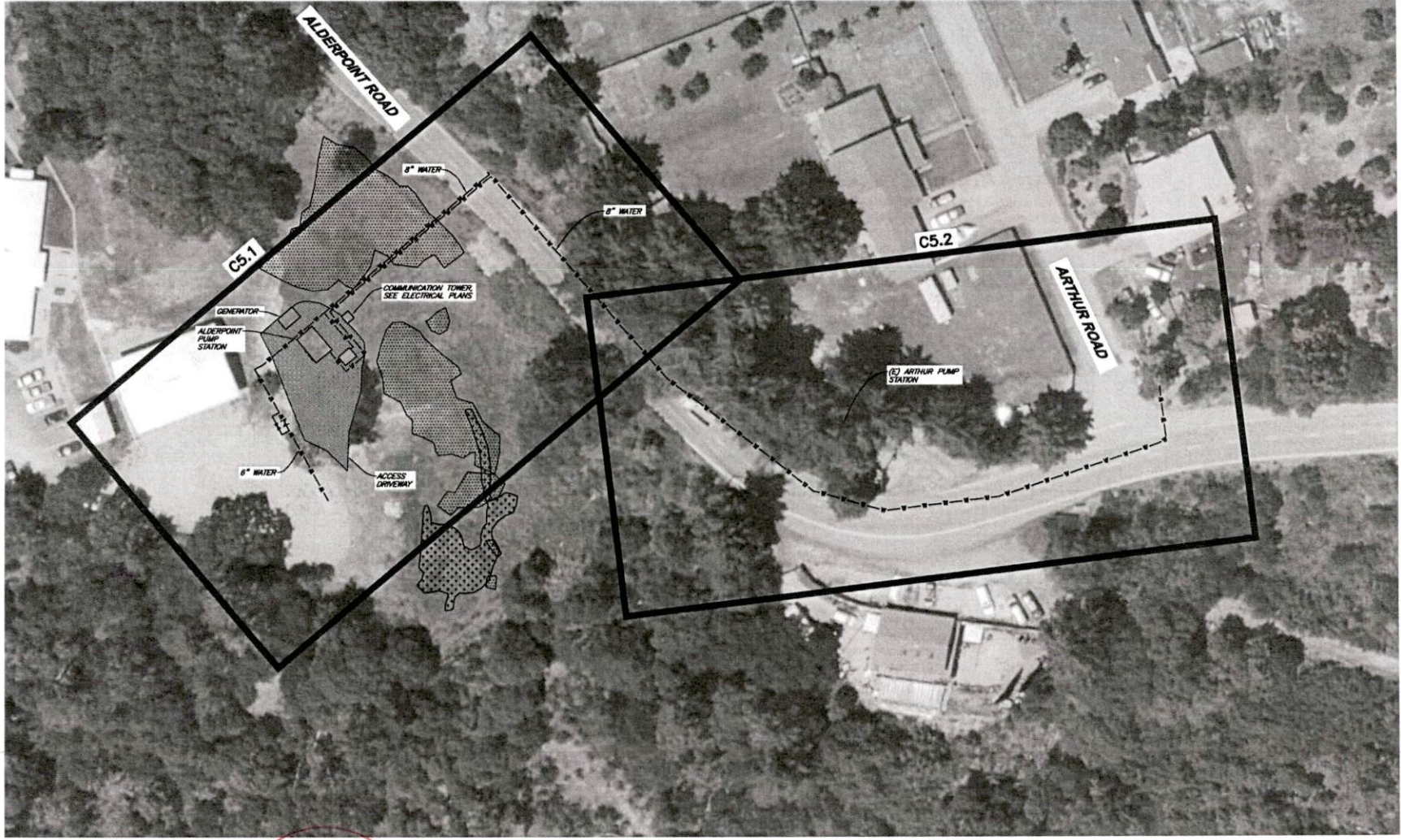


SECTION B

APR 4 2024
Humboldt County
PLANNING

60% DESIGN

SHWED: 10/11/2023 10:09 AM JFOSTER, PLOTTED: 10/11/2023 10:13 AM JOHN FOSTER
 P:\Correspondence\2022\022067-SSD-Water\Drawings\022067-ALDERPOINT-WATER-MAN-OVER.DWG



APPROVED
 APR 4 2024
 Humboldt County
 PLANNING

PLAN
 1"=30'

LEGEND
 WETLAND AREA
 SENSITIVE PLANTS COMMUNITY

60% DESIGN

STW
 812 W. WABASH AVE.
 CHICAGO, IL 60612
 WWW.STW-ENGINEERS.COM
 707-441-8055

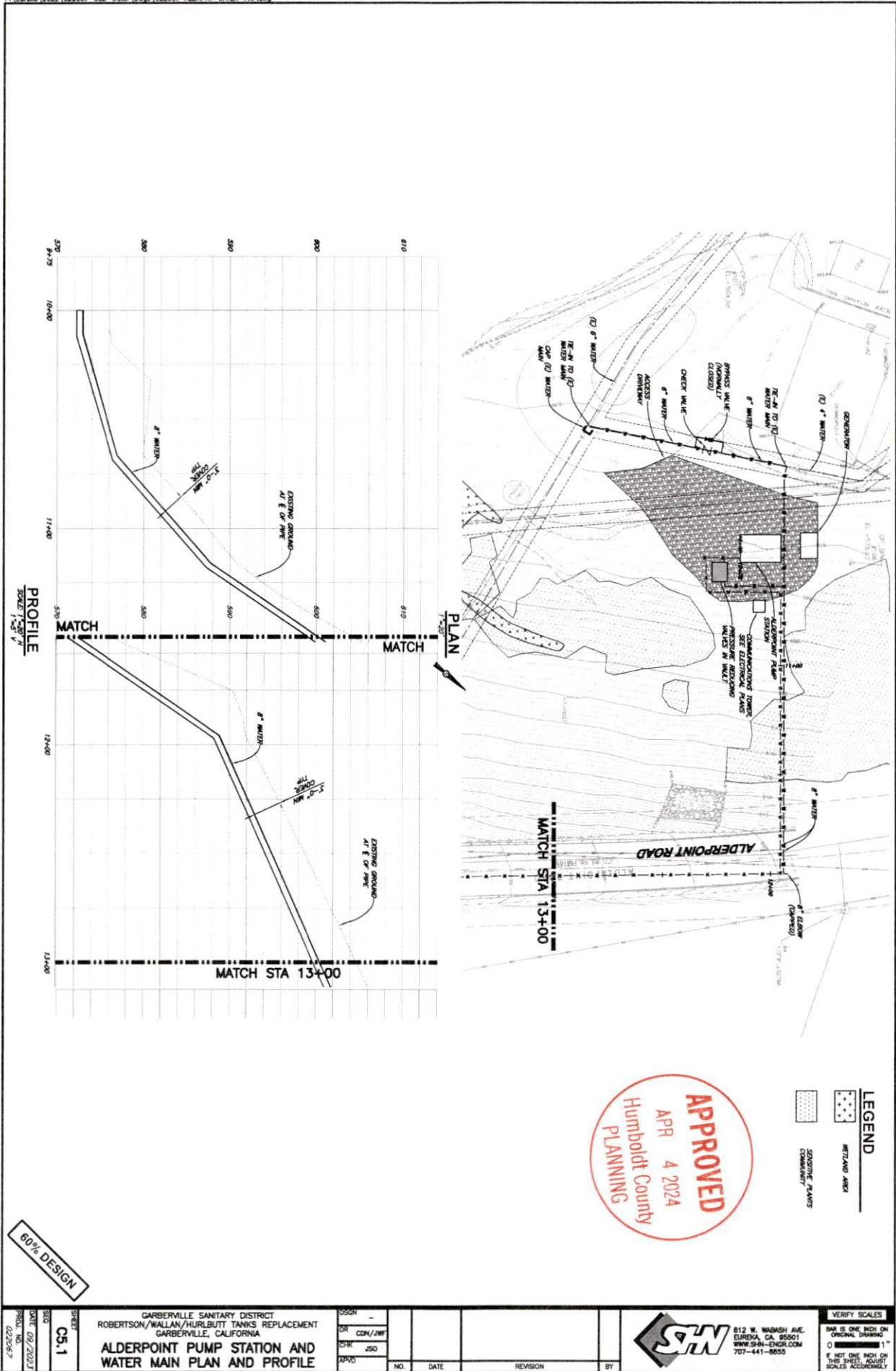
NO.	DATE	REVISION	BY

GARBERVILLE SANITARY DISTRICT
 ROBERTSON/WALLAN/HURLETT TANKS REPLACEMENT
 GARBERVILLE, CALIFORNIA
**ALDERPOINT PUMP STATION AND
 WATER MAIN OVERVIEW**

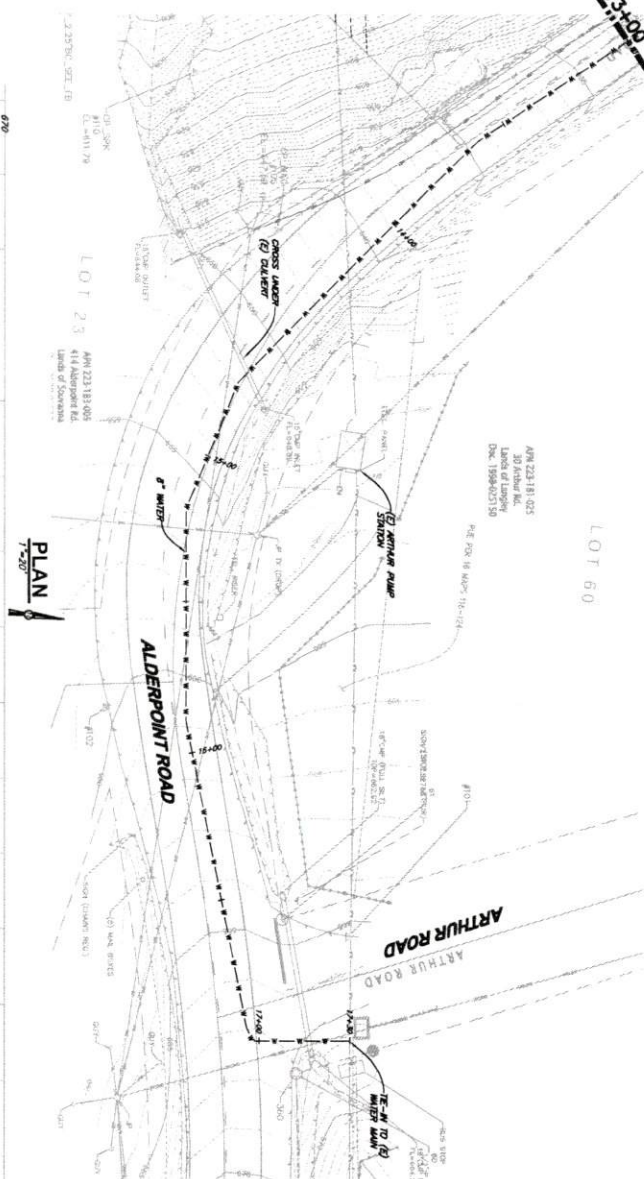
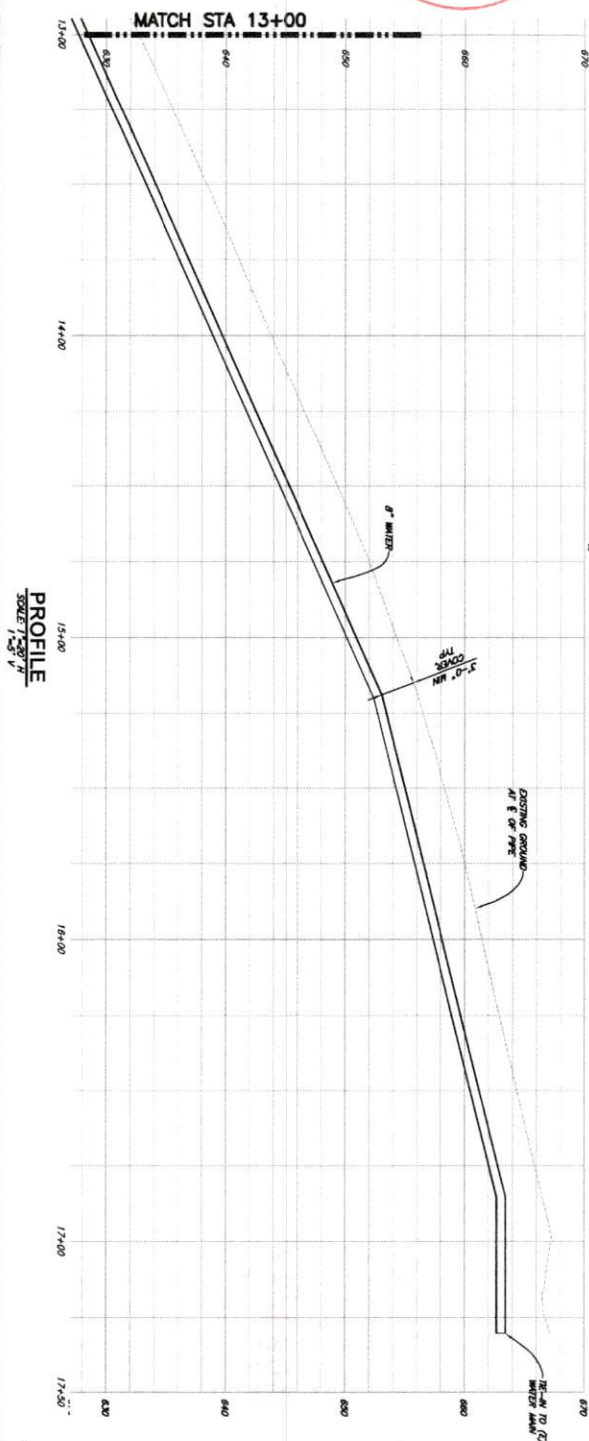
SHEET C5.0
DATE 09/2023
PROJ. NO. 022067

DESIGN: [blank] OR: [blank]
 CDR: JSD
 INCHES: 1"=30'


VERY SMALL SCALES
 ONE INCH ON MAP IS ONE INCH ON GROUND
 ONE INCH ON MAP IS ONE INCH ON GROUND
 ONE INCH ON MAP IS ONE INCH ON GROUND




APPROVED
APR 4 2024
Humboldt County
PLANNING



LEGEND

 WETLAND AREA

 SENSINE PLANTS
COMMUNITY

SHEET	CS.2	GARBERVILLE SANITARY DISTRICT
		ROBERTSON/WALLAN/HURLEBUITT TANKS REPLACEMENT GARBERVILLE, CALIFORNIA
DATE 09/20/2024		ALDERPOPE PUMP STATION AND WATER MAIN PLAN AND PROFILE
PROJECT NO. 022067		





DSGN	—
DR	CDN/JW
CHK	JSO
APVD	

N



812 W. WABASH AVE.
EUREKA, CA 95501
WWW.SHN-ENGR.COM
707-441-8855

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

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

DEMOLITION NOTE:

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

APPROVED

APR 4 2024
Humboldt County
PLANNING

60% DESIGN



[illegible]

SAVED: 9/26/2023 10:27 AM JFOSTER, PLOTTED: 10/4/2023 8:23 AM NEWELL, CHMS
 A:\Users\jfo221\Documents\SSP - Water\Design\022067-SSP-TANK-EXIST-CONG.dwg



PLAN
 1"=20'

LEGEND

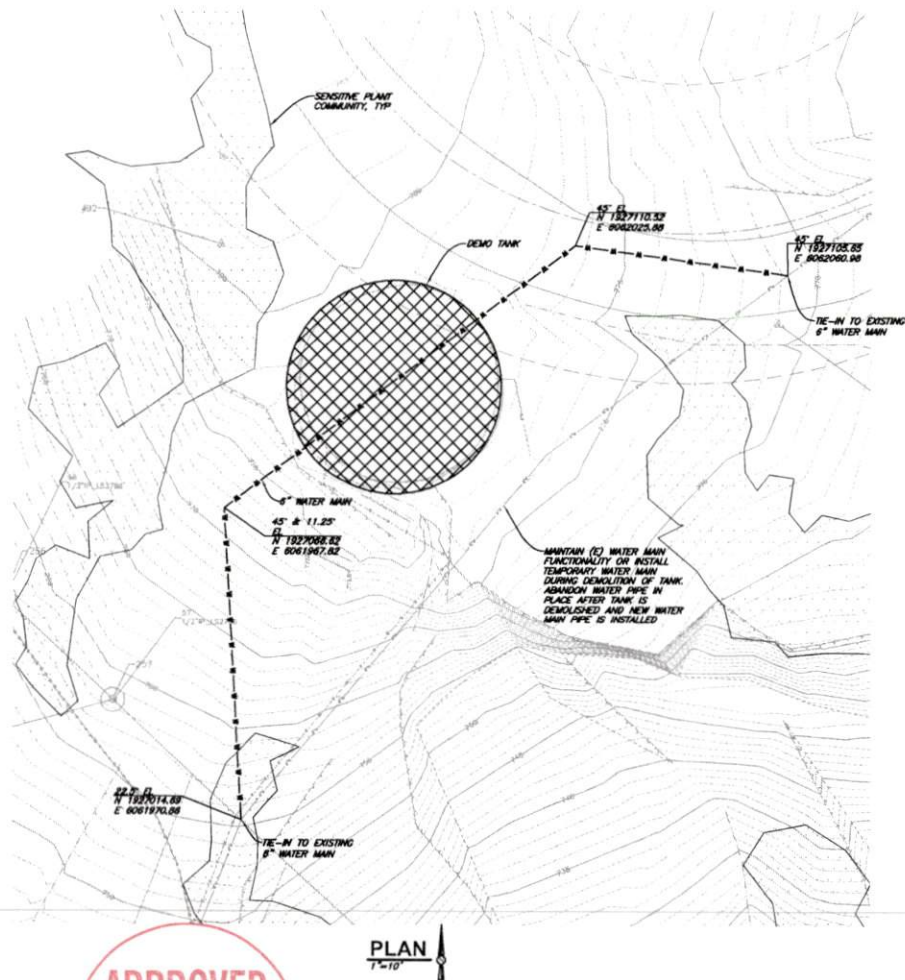
-  WETLAND AREA
-  SENSITIVE PLANTS COMMUNITY

APPROVED
 APR 4 2024
 Humboldt County
 PLANNING

60% DESIGN

KEY SCALE 1" = 20' 1" = 40' 1" = 80' 1" = 160' 1" = 320' 1" = 640' 1" = 1280' 1" = 2560' 1" = 5120' 1" = 10240' 1" = 20480' 1" = 40960' 1" = 81920' 1" = 163840' 1" = 327680' 1" = 655360' 1" = 1310720' 1" = 2621440' 1" = 5242880' 1" = 10485760' 1" = 20971520' 1" = 41943040' 1" = 83886080' 1" = 167772160' 1" = 335544320' 1" = 671088640' 1" = 1342177280' 1" = 2684354560' 1" = 5368709120' 1" = 10737418240' 1" = 21474836480' 1" = 42949672960' 1" = 85899345920' 1" = 171798691840' 1" = 343597383680' 1" = 687194767360' 1" = 1374389534720' 1" = 2748779069440' 1" = 5497558138880' 1" = 10995116277760' 1" = 21990232555520' 1" = 43980465111040' 1" = 87960930222080' 1" = 175921860444160' 1" = 351843720888320' 1" = 703687441776640' 1" = 1407374883553280' 1" = 2814749767106560' 1" = 5629499534213120' 1" = 11258999068426240' 1" = 22517998136852480' 1" = 45035996273704960' 1" = 90071992547409920' 1" = 180143985094819840' 1" = 360287970189639680' 1" = 720575940379279360' 1" = 1441151880758558720' 1" = 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SHEET: 8/26/2023 3:30 PM #2023, PLotted: 10/4/2023 8:23 AM NEWELL, CHRIS
A:\Plans\2023\022067-SSP-Water\Draw\022067-SSP-TANK-DEM.Dwg



APPROVED
APR 4 2024
Humboldt County
PLANNING

NOTES:

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

LEGEND


- | | |
|--|----------------------------|
| | SENSITIVE PLANTS COMMUNITY |
| | DEMO |

60% DESIGN

SHEET	
C6.1	
DATE 09/20/23	
PROJ. NO. 022067	
PROJECT: CARBONVILLE SANITARY DISTRICT ROBERTSON/WALLAN/HURLETT TANKS REPLACEMENT CARBONVILLE, CALIFORNIA	
DESIGNER: RST CHECKER: JSD DATE: 09/20/23	
BY	REVISION
SCALE: 1"=10'	
DRAWN BY: NEWELL, CHRIS CHECKED BY: NEWELL, CHRIS DATE: 10/4/23	




SAVED: 9/29/2023 12:22 PM FOSTER PLOTTED: 10/4/2023 8:24 AM NEWELL, CHRIS
P.: Eureka | 2022 | 022067 - GSD - Water | Degr | 022067 - DETAIL.S.dwg

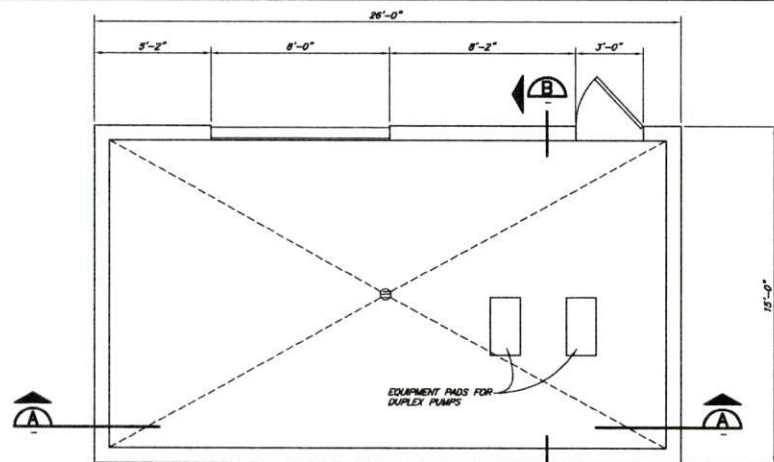
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SEQ			
DATE		09/20/23	
PROJ. NO.		022067	
GARBERRALE SANTARY DISTRICT ROBERTSON/WALLIN/HURLBUIT TANKS REPLACEMENT GARBERRALE, CALIFORNIA			
CML DETAILS			
UGSA	-		
UR	HW/COM		
CHK	JSD		
APPD			
	NO.	DATE	REVISION
			BY
			
812 W. MADISON AVE. DANA POINT, CA 92629 TEL: 714-441-5000 FAX: 714-441-5005			
VERIFY SCALES SCALE OF OR. HORIZ. ON PLAN: 1" = 100'			
SCALE OF VERT. ALTIM. ON SECTION: 1" = 10'			

A red circular stamp with the word "APPROVED" in bold at the top, the date "APR 4 2024" in the middle, and "Humboldt County PLANNING" at the bottom.



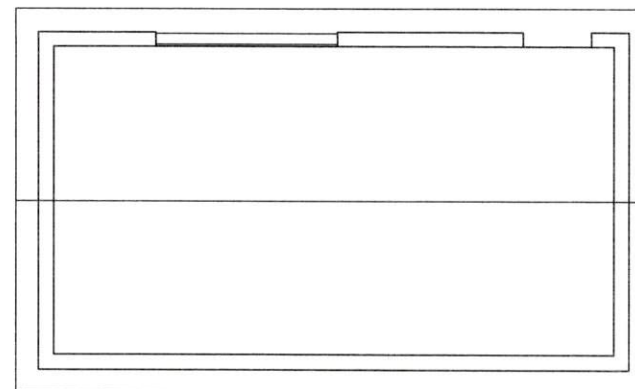
SHEET S0.1		DATE 09/20/23		SEQ. 022067	
GARBERVILLE SANITARY DISTRICT ROBERTSON/PAULAN/LEIBERT/ TANKS REPLACEMENT GARBERVILLE, CALIFORNIA					
STRUCTURAL NOTES AND LEGEND					
ISSN	REV	DATE	BY		
000	001	09/20/23	001		
812 W. BUGH AV. GARBERVILLE, CA 95942 WWW.S&S-ENR.COM 707-441-8800					
					
1/4" = 1' ON PLAN 1/4" = 1' ON ELEVATION IF NOT ONE INCH ON SCALE, SCALE AS SHOWN					
KEY TO SCALES					

SAVED: 9/29/2023 12:40 PM JPOSTER, PLOTTED: 10/4/2023 8:24 AM NEWELL, CHRS
 A:\GAMES\2023\022067-032 - Maple Lane Pump Station - 022067-032.dwg

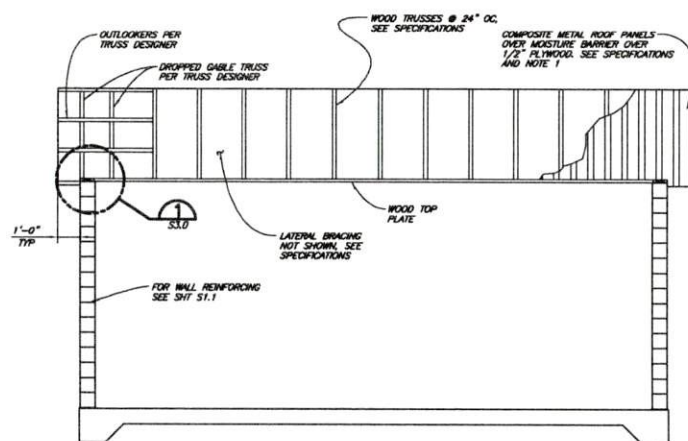


NOTE:
 1 = 4,000 PSI
 1 = 80,000 PSI

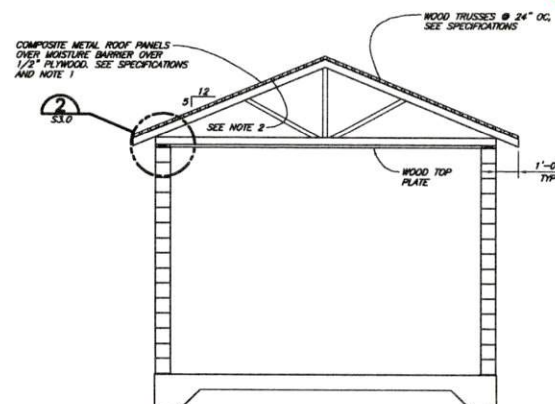
FLOOR PLAN
 3/8"=1'-0"



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



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



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

NOTES:

- PLYWOOD SHALL HAVE PANEL SPAN RATING ROOF/FLOOR OF 24/18. PROVIDE EDGE SUPPORT.
- PAINT INTERIOR FACE OF PLYWOOD WITH ONE COAT OF PRIMER AND TWO COATS OF FINISH. COLOR TO BE APPROVED BY OWNER.
- ALL DIMENSIONS FOR OPENINGS IN CMU ARE NOMINAL. CONTRACTOR TO ADJUST PER BLOCK CONSTRUCTION.

APPROVED
 APR 4 2024
 Humboldt County
 PLANNING

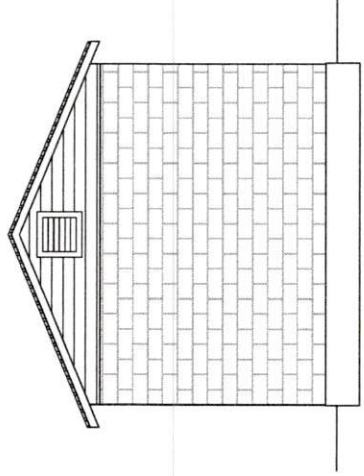
60% DESIGN

VERIFY SCALES WAS IS ONE INCH ON ORIGINAL DRAWING = 1" = 1'-0" (SEE SCALE) 1" = 1'-0" (SEE SCALE) 1" = 1'-0" (SEE SCALE)		113 W. MARSH AVE. EUREKA, CA 95501 (707) 441-4400 (707) 441-4400	
SH		BT	
DESIGN		REVISION	
PREP		DATE	
CHK		NO.	
APPR		DATE	
09/2023		022067	
S1.0		09/2023	
09/2023		022067	

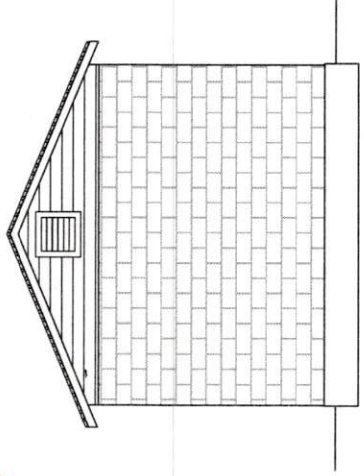
GARBerville SANITARY DISTRICT
 ROBERTSON/HARLETT TANKS REPLACEMENT
 GARBerville, CALIFORNIA
 UPPER MAPLE LANE PUMP STATION
 PLAN AND SECTIONS

60% DESIGN

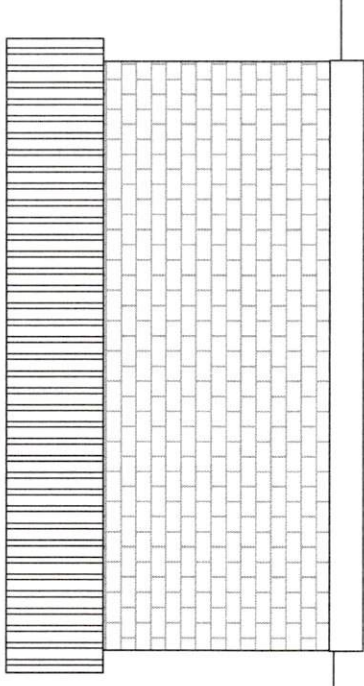
WEST ELEVATION
3'-15 1/2" x 1'-0"



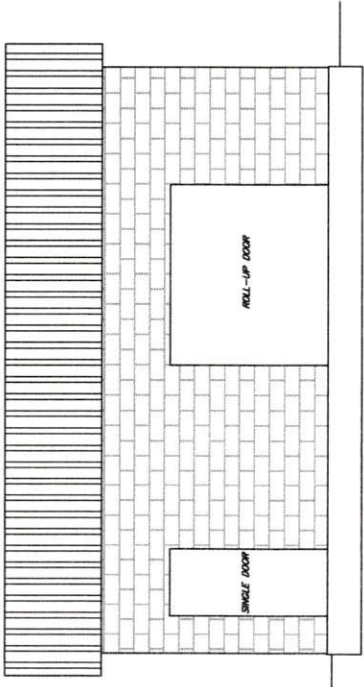
EAST ELEVATION
3'-15 1/2" x 1'-0"




SOUTH ELEVATION
3'-15 1/2" x 1'-0"



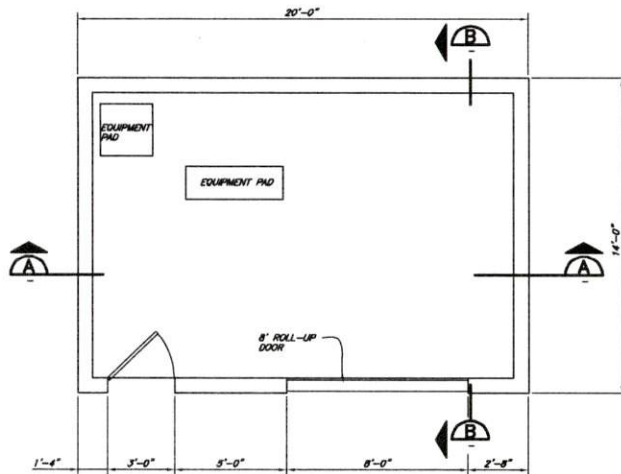
NORTH ELEVATION
3'-15 1/2" x 1'-0"



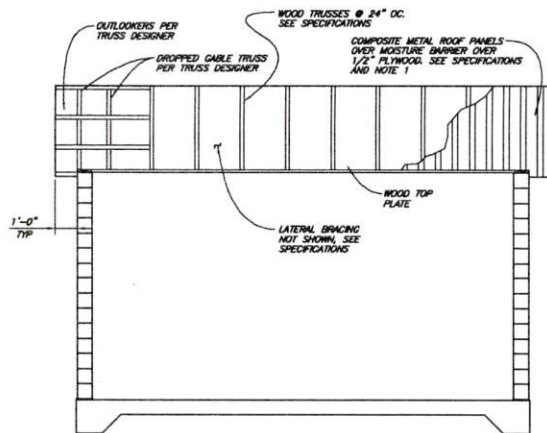
SHEET S1.1		REQ 09/2023	DATE 09/2023	PROJ. NO. 022067
GARBERVILLE SANITARY DISTRICT ROBERTSON/WALLIN/HURLBUTT TANKS REPLACEMENT GARBERVILLE, CALIFORNIA				
UPPER MAPLE LANE PUMP STATION REINFORCING DETAILS				
APPROVED	NO.	DATE	REVISION	
CHK JSD				
DR JMF/CDN				
DESIGN PES				
BY				



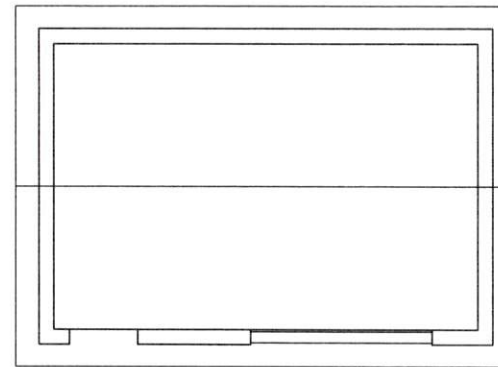
212 W. WEAVER AVE.
EUREKA, CA 95501
PHONE: 916-441-8800
FAX: 916-441-8805
WWW.SN-CONCRETE.COM
"ORIGINAL DRAWING"
SCALE: 1/8" = 1'-0" (NOT TO SCALE)
THIS SHEET MUST BE USED IN CONJUNCTION WITH SHEET S1.2
SHEET S1.2 MUST BE USED IN CONJUNCTION WITH SHEET S1.1
VERIFY SCALES



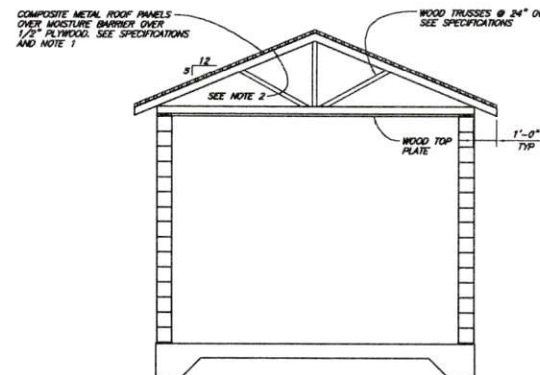
NOTE: FLOOR PLAN
 1" = 4,000 PSI
 1" = 80,000 PSI



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



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



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

APPROVED
 APR 4 2024
 Humboldt County
 PLANNING

NOTES:

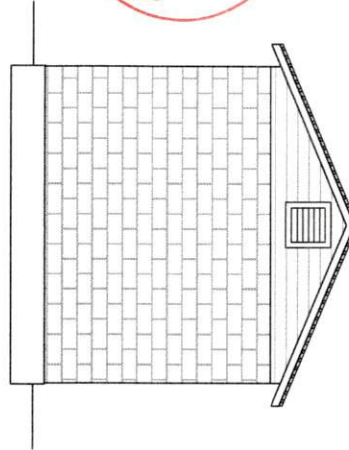
1. PLYWOOD SHALL HAVE PANEL SPAN RATING ROOF/FLOOR OF 24/16. PROVIDE EDGE SUPPORT.
2. PAINT INTERIOR FACE OF PLYWOOD WITH ONE COAT OF PRIMER AND TWO COATS OF ENAMEL. COLOR TO BE APPROVED BY OWNER.
3. ALL DIMENSIONS FOR OPENINGS IN CMU ARE NOMINAL. CONTRACTOR TO ADJUST PER BLOCK CONSTRUCTION.

60% DESIGN

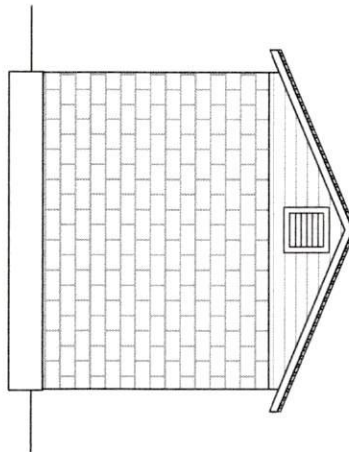
VERIFY SCALES THIS IS ONE INCH ON ORIGINAL DRAWING 0 1 2 3 4 5 6 7 8 9 10 1" = 1'-0"		812 W. MADASH AVE EUREKA, CA 95501 (707) 441-4400 (707) 441-4405	
SH		DESIGN OR CON/APP CDR JSD PWD	
GARBANVILLE SANITARY DISTRICT ROBERTSON/WALKER/HURLETT TANKS REPLACEMENT GARBANVILLE, CALIFORNIA ALDERPOINT PUMP STATION PLAN AND SECTIONS		SHEET S2.0 SEQ DATE 08/2023 PROJ. NO. 022067	
NO. DATE REVISION		BT	



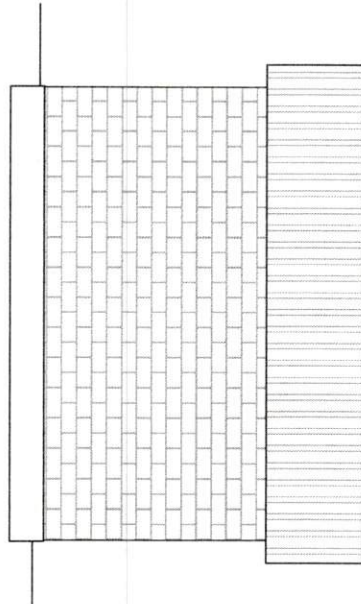
NORTH ELEVATION
1/8"=1'-0"



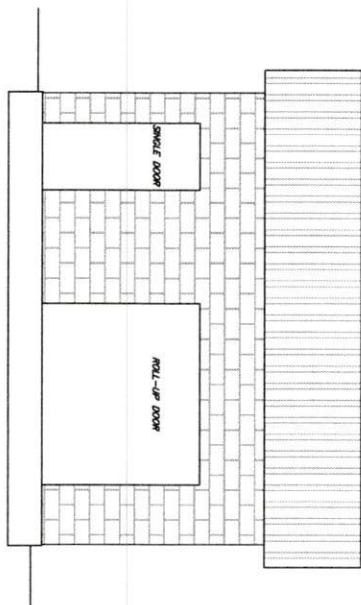
SOUTH ELEVATION
1/8"=1'-0"



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



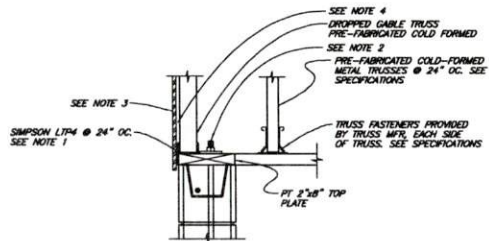
WEST ELEVATION
1/8"=1'-0"



60% DESIGN

GARBERVILLE SANITARY DISTRICT ROBERTSON/WALLAN/HURLBUTT TANKS REPLACEMENT GARBERVILLE, CALIFORNIA ALDERPOINT PUMP STATION REINFORCING DETAILS				DESIGN - OR CON./JWP CHK JSD APVD	NO. _____ DATE _____ REVISION _____ BY _____	812 W. WABASH AVE. EUREKA, CA. 95501 WWW.SHW-ENG.COM 707-441-8833	VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1"
SHEET S2.1				DATE 09/20/2023 PROJ. NO. 022067			

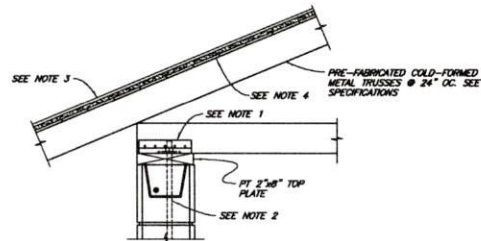
SAVED: 8/26/2023 12:54 PM JFOSTER, PLOTTED: 10/4/2023 8:24 AM NEWELL, CHRIS
A:\Exchng\2023\022067-SSD-McNeil\Design\022067-STRUC-DTL5.dwg



NOTES:

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

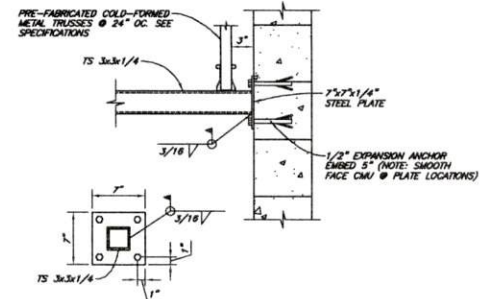
DETAIL 1
NTS ST.0.S2.0
(CORNER CONNECTION)



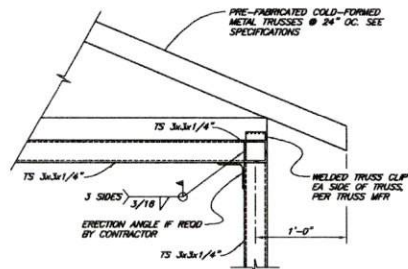
NOTES:

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

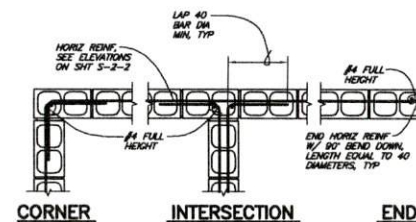
DETAIL 2
NTS ST.0.S2.0
(CORNER CONNECTION)



DETAIL 3
NTS
(ROOF SUPPORT CONNECTION)



DETAIL 4
NTS ST.0.S2.0
(CORNER CONNECTION)



TYPICAL CMU WALL REINFORCING
NTS



60% DESIGN

VERIFY SCALES		1" = 1'-0"
AS SHOWN	ORIGINAL DRAWING	1" = 1'-0"
DESIGN		NO. 001
DATE		09/20/23
BY		NTS
REVISION		
DATE		
NO.		
PROJECT		GARBERVILLE SANITARY DISTRICT ROBERTSON/WALLMAN/HURLBUT TANKS REPLACEMENT GARBERVILLE, CALIFORNIA
SHEET		S3.0
DATE		09/20/23
PROJ. NO.		022067