



**CITY OF EUREKA**  
**DEVELOPMENT SERVICES DEPARTMENT**  
Brian Gerving, Interim Director

531 K Street, Third Floor  
Eureka, California 95501-1146  
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## NOTICE OF PUBLIC HEARING

### INTERIM DIRECTOR OF DEVELOPMENT SERVICES

**NOTICE IS HEREBY GIVEN** that the proposed development described below is within the coastal zone and, pursuant to the Eureka Local Coastal Program, the Coastal Development Permit is scheduled for a public hearing before the Interim Director of Development Services on the 15<sup>th</sup> day of October, 2019, at 10:00 a.m., in Conference Room 207, Second Floor, Eureka City Hall, 531 “K” Street, Eureka, California.

**Project Title:** *Crosstown Interceptor Cathodic Protection System Maintenance Project Coastal Development Permit*

**Project Applicant:** City of Eureka      **Case No.:** CDP-19-0012

**Project Location:** Six locations on the west side of Eureka

**APNs:** 003-051-001, 003-082-022, 003-082-033, 007-130-015, 007-091-002, 007-081-016 (CCC Jurisdiction: 007-051-002)

**Zoning and General Plan Designations:** P (Public), MG (General Industrial), MC (Coastal Dependent Industrial), CP (Planned Shopping Center Commercial District)/GC (General Commercial), GI (General Industrial), PQP (Public Quasi-Public)

**Project Description:** The City of Eureka is proposing to perform maintenance of the cathodic protection system on the existing Crosstown Interceptor, which is the City’s primary sewer main to the treatment plant. The project will require drilling and trenching in order to install a total of three, deep-well anode beds, one impressed current cathodic protection system, one monitoring station, and one bonding test station at five different locations. The installation of these items are intended to prolong the life of the existing Crosstown Interceptor.

**Date of Project Application:** April 4, 2019

**Staff contact person:** Kristen M. Goetz, Senior Planner, City of Eureka, Development Services Department; 531 “K” Street, Eureka, CA 95501-1165; phone: (707) 441-4160, email: [planning@ci.eureka.ca.gov](mailto:planning@ci.eureka.ca.gov)

All interested persons are invited to comment either in person at the scheduled public hearing, or in writing. Written comments may be submitted prior to or during the hearing by mailing or delivering them to the Development Services Department, Third Floor, 531 K Street, Eureka.

Appeals of the Interim Director's action may be made to the Planning Commission within 10 calendar days of the action by filing a written Notice of Appeal with the City Clerk, along with the filing fees as set by the City Council. Appeals of the Planning Commission's action may be made to the City Council in the same manner. The City's final action is appealable to the California Coastal Commission.

If you challenge the nature of the proposed action in court, you may be limited to raising only those issues that you or someone else raised at the public hearing or written correspondence received during or prior to the public hearing. Accommodations for handicapped access to City meetings must be requested of the City Clerk, 441-4175, five working days in advance of the meeting. The project file is available for review at the Development Services Department.



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DEVELOPMENT SERVICES DEPARTMENT**

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**INTERIM DIRECTOR OF DEVELOPMENT SERVICES**

**STAFF REPORT**

**October 15, 2019**

**Project Title: Crosstown Interceptor Cathodic Protection System  
Maintenance Project Coastal Development Permit**

**Project Applicant: City of Eureka      Case No.: CDP-19-0012**

**Project Location: Six locations on the west side of Eureka**

**APNs: 003-051-001, 003-082-022, 003-082-033, 007-130-015, 007-091-002, 007-081-016 (CCC Jurisdiction: 007-051-002)**

**Zoning and General Plan Designations: P (Public), MG (General Industrial), MC (Coastal Dependent Industrial), CP (Planned Shopping Center Commercial District)/GC (General Commercial), GI (General Industrial), PQP (Public Quasi-Public)**

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**Date of Project Application: April 4, 2019**

**Staff Recommendation:**

1. Hold a Public Hearing; and
2. Adopt a Resolution of the Interim Director of Development Services approving with conditions a coastal development permit to allow the Crosstown Interceptor Cathodic Protection System Maintenance Project as proposed.

**Staff Contact Person: Kristen M. Goetz, Senior Planner; City of Eureka, Development Services Department; 531 "K" Street, Eureka, CA 95501; (707) 441-4164, Email: [kgoetz@ci.eureka.ca.gov](mailto:kgoetz@ci.eureka.ca.gov)**

**Environmental: A coastal development permit is a discretionary action subject to environmental review in accordance with the California Environmental Quality Act (CEQA). This project qualifies for a Class 1 exemption (Section 15301) from CEQA because the proposed project prolongs the life of an existing public utility service without expanding the existing use.**



test stations along the South Interceptor running parallel to Broadway near Bayshore Mall. Implementation of the bonding and monitoring stations requires much shallower trenching. (See Soils Management section for handling of excavated material.)

Some work sites lay in vegetated areas, but are also directly adjacent to paved streets and trails. Access to these sites will cause minimal impact to surrounding vegetation. Where ground disturbance does impact existing vegetation, the finished site will be restored by seeding and mulching to promote the return of native vegetation.

The maintenance project mainly consists of ground disturbing activities which will allow for the installation of components which will preserve the Crosstown Interceptor. Table 1 summarizes the extent of ground disturbance at each location.

*Table 1: Ground disturbing activities matrix*

<b>Cathodic Protection (CP) Project Components</b>	<b>Ground Disturbance Details</b>
Washington Street CP Improvements (sheet C-102 of attachment 2)	Approximately 1' diameter drill, 200' deep; 2' wide by 3' deep trench less than 10' long
Railroad Avenue CP Improvements (sheet C-103 of attachment 2)	Approximately 1' diameter drill, 200' deep; 2' wide by 3' deep trench less than 10' long
Bayshore Way CP Improvements (sheet C-104 of attachment 2)	Approximately 1' diameter drill, 200' deep; 2' wide by 3' deep trench less than 85' long
McCullens Pump Station CP Improvements (sheet C-105 of attachment 2)	Approximately 1' diameter drill, 200' deep; 2' wide by 3' deep trench less than 10' long
Central to South Interceptor Monitoring Station (sheet C-106 of attachment 2)	Approximately 20" diameter by 2' deep excavation. Conduits run in (2) 2' wide trench from 3'-6' deep totally 35' in length. 5' x 5' excavation to expose top of pipe at 3 locations approximately 6' deep
South Interceptor Bonding Station 3 (sheet C-107 of attachment 2)	Approximately 2' diameter by 2' deep excavation. Conduits run in (2) 2' wide trench from 3'-5' deep totally 30' in length. 10' x 10' excavation to expose top of pipe at 2 locations approximately 7' deep

The ground disturbing activities will be conducted with either a drill, mini-excavator, or a backhoe which will access project sites via paved roads and trails, avoiding unpaved areas to the extent possible. All work will be completed prior to the beginning of nesting season. Therefore, no nesting sites are anticipated to exist within the work areas. If nesting migratory birds are found in the project construction area, the contractor and crew will be directed to avoid the area.

Clean material will be disposed of at the contractor's disposal site, located in Willow Creek, CA. During project construction, if there is any evidence which indicates contaminated soils are present on the site, either from visual observations or odors

indicative of regulated substances, the contractor will be responsible to isolate and contain the soils and the City and contractor will obtain soil sample analyses. The findings of the survey will be submitted, as applicable, to the RWQCB, DTSC, and any other appropriate regulatory agencies. The contractor will comply at all times with the requirements and regulations of the RWQCB, DTSC, and other agencies with regard to the handling, transport, and disposal of hazardous materials such as contaminated soils, to the satisfaction of the applicable agencies.

Drilling waste will be removed from the various project sites and disposed of at a site in Willow Creek, CA operated by the contractor performing the drilling work. Any contaminated drilling waste or well development water will be disposed of at a permitted facility.

**Analysis:** The proposed project is within the City of Eureka's coastal permitting jurisdiction and within the Coastal Commission's appeal jurisdiction.

The site shown on sheet C-106 in Attachment 2 is located within an area of Categorical Exclusion for coastal permitting. Eureka Municipal Code (EMC) §10-5.29304.1 prescribes the type of projects that may be excluded from having to obtain a CDP. EMC §10-5.29304.1(a)(2) exempts public works projects costing less than \$250,000. At an estimated cost of \$242,000, the project is less than the \$250,000 limit for Categorical Exclusions of public works facilities improvements. This site is also located within the Coastal Commission's appeal jurisdiction. In spite of the fact no Coastal Development Permit is required for this site, it is being included in this CDP.

According to EMC § 10-5.29310.1, a CDP shall only be approved upon making the finding that the proposed development conforms to the policies of the certified Local Coastal Program (LCP). Staff has reviewed the LCP for goals and policies that may affect or be affected by the project and found the following:

**Goal 1.A: Land Use and Development Framework**

1.A.4 To promote the public safety, health, and welfare, and to protect private and public property, to assure the long-term productivity and economic vitality of coastal resources, and to conserve and restore the natural environment, the City shall protect the ecological balance of the coastal zone and prevent its deterioration and destruction.

The maintenance of the Crosstown Interceptor promotes public safety, health, and welfare by prolonging the useful life of the City's existing sewer system. The maintenance project itself will be conducted in such a fashion as to not deteriorate or destroy ecological coastal zone resources. The trenching and drilling will be confined to limited areas and a limited time duration.

**Goal 4.A: General Public Facilities and Services**

4.A.4 The City declares that existing public works facilities, including water, wastewater, stormwater, highway, and railroad facilities serving the Planning Area are essential to the economic and social well-being of the people and shall be maintained, enhanced, and restored to assure the orderly and balanced utilization and conservation of natural and human-created resources.

The proposed project maintains existing public works infrastructure which serves the sewer system and wastewater treatment plant.

## **Goal 6.A: Aquatic Resources and Marine, Wetland, and Riparian Habitat**

6.A.3 The City shall maintain and, where feasible, restore biological productivity and the quality of coastal waters, streams, wetlands, and estuaries appropriate to maintain optimum populations of aquatic organisms and for the protection of human health through, among other means, minimizing adverse effects of wastewater and stormwater discharges and entrainment, controlling the quantity and quality of runoff, preventing depletion of groundwater supplies and substantial interference with surface water flow, encouraging wastewater reclamation, maintaining natural vegetation buffer areas that protect riparian habitats, and minimizing alteration of natural streams

6.A.6 The City declares the following to be environmentally sensitive habitat areas within the Coastal Zone: a. Rivers, creeks, sloughs, gulches and associated riparian habitats, including, but not limited to Eureka Slough, Fay Slough, CutOff Slough, Freshwater Slough, Cooper Slough, Second Slough, Third Slough, Martin Slough, Ryan Slough, Swain Slough, and Elk River. b. Wetlands and estuaries, including that portion of Humboldt Bay within the City's jurisdiction, riparian areas, and vegetated dunes. c. Indian Island, Daby Island, and the Woodley Island wildlife area. d. Other unique habitat areas, such as waterbird rookeries, and habitat for all rare or endangered species on state or federal lists. e. Grazed or farmed wetlands (i.e., diked former tidelands).

6.A.7 Within the Coastal Zone, the City shall ensure that environmentally sensitive habitat areas are protected against any significant disruption of habitat values, and that only uses dependent on such resources shall be allowed within such areas. The City shall require that development in areas adjacent to environmentally sensitive habitat areas be sited and designed to prevent impacts which would significantly degrade such areas, and be compatible with the continuance of such habitat areas.

6.A.8 Within the Coastal Zone, prior to the approval of a development, the City shall require that all development on lots or parcels designated Natural Resources on the Land Use Diagram or within 250 feet of such designation, or development potentially affecting an environmentally sensitive habitat area, shall be found to be in conformity with the applicable habitat protection policies of the General Plan. All development plans, drainage plans, and grading plans submitted as part of an application shall show the precise location of the habitat(s) potentially affected by the proposed project and the manner in which they will be protected, enhanced, or restored

Failure of this essential central sewer line would result in a significant disruption in habitat values through contamination of adjacent soils, groundwater, and estuaries, which could then potentially spread to sensitive coastal habitats, both on land and in Humboldt Bay. Therefore, maintaining the existing infrastructure is crucial in preventing adverse impacts to human health and aquatic organisms and to maintaining the quality of coastal waters, wetlands and estuaries.

The project sites are in areas that have already been disturbed for installation of the associated sewer line, the existing cathodic protection system equipment, and/or other

utilities or development. Considering that in the event of a failure of the line, the City would have to undertake emergency repairs which would likely include disturbing and/or working in an ESHA or wetland to repair the line and prevent additional sewage discharge, minor disruption for this project is miniscule. The cathodic protection system is designed to protect the existing sewer line and reduce the likelihood of a failure, and the proposed maintenance of the system is required to insure the continued protection of the line.

Eureka Municipal Code 10-5.2942.10 provides that incidental public service purposes which temporarily impact the resources of an area, such as burying cables and pipes within non-farmed wetlands and estuaries, are allowed. Although the proposed project may temporarily impact a resource due to the proximity of a site to a resource, these and other types of temporary impacts are allowed pursuant to the City of Eureka's LCP. Although several locations are immediately adjacent to wetland/ESHA, none of the locations are actually *IN* a wetland or ESHA. When possible, all work will be done from paved areas, and minimal ground disturbance will be undertaken. For locations adjacent to wetland/ESHA, a condition of approval has been added to use straw waddles or other appropriate barriers to control unanticipated runoff or erosion.

The activities that would be occurring for the project include drilling, trenching, and minor excavation. These activities will be accomplished using hand tools, and equipment such as a drill, mini-excavator, or backhoe. Again, all work that can be performed from paved areas will be performed from paved areas. Vegetated areas that are disturbed by the project will be seeded with a non-invasive native seed mix and mulched to encourage re-vegetation. Additional BMPs for the project are included as conditions of approval.

The North Coast Regional Water Quality Control Board (NCRWQB) provided written comments during the referral process that included suggestions to review the State's GeoTracker database to identify groundwater and soil cleanup sites along the project route, and consultation with the Regional Water Quality Control Board Site Cleanups Program Staff to identify known sources of contamination and the potential constituents of concern that might be encountered.

A search of the State of California's GeoTracker database does not show project activities on parcels with open cases. Several of the sites are located on or near closed sites where diesel, gasoline, solvents, or waste oil are suspected contaminants. An e-mail from, and subsequent conversation with, Beth Lamb, Engineering Geologist with NCRWQCB expressed concern with the northern three work areas: 1) Washington Street, 2) 15<sup>th</sup> Street, and 3) Railroad Avenue.

GeoTracker shows the Washington Street work area is located between two closed LUST cleanup sites and south of a currently inactive Cleanup Program Site.

The Westfall Stevedore site is located to the east/northeast with gasoline as the contaminant of concern for the site. The case was closed on June 9, 2004, with a Soil Management Contingency Plan for an area located entirely on the Westfall Stevedore property.

The closed Washington Cardlock LUST site is located northwesterly of the Washington Street work area. The contaminant of concern for the site is gasoline, and the case was closed on May 2, 2006.

An inactive (as of June 14, 2017) site, the Southern Pacific Transportation Co -4<sup>th</sup> is located on the Balloon Track to the north of the work area. GeoTracker site history notes indicate, "The southeastern corner of the site operated as a bulk fuel storage facility from before 1931 to approximately 1955. Other historical operations included In the Rail Yard portion of the Site included railroad car maintenance and repair, and fueling of locomotives, which were performed until approximately 1985." The potential contaminants of concern for this site are solvents. Based on the Maps included in GeoTracker, the monitoring wells are located to the east and north of the work area.

According to GeoTracker, the 15<sup>th</sup> Street work area is located between two closed LUST cleanup sites. The City of Eureka's Corporation Yard is located to the north of the worksite. The contaminant of concern for this location is gasoline, and the case was closed on January 16, 2002 with no further action required. The contaminant of concern for the Eureka Costco site, located to the south of the 15<sup>th</sup> Street work area, is gasoline, and the case was closed as of November 16, 1999.

The Railroad Avenue work area is located east of the Simpson Plywood Mill site. The contaminants of concern on this site are waste, motor, hydraulic and lubricating oil. The case was closed on November 11, 2018. A covenant and Environmental Restriction was recorded against the property which stipulates the asphalt cover is not to be disturbed without approval. Various uses such as day care, elder care, and/or a hospital are prohibited in "Restricted Areas", along with residential uses. Excavation of contaminated soils and/or groundwater extraction at any depth require notification, review, and approval by the NCRWQCB.

According to the contractor, between 2 and 3 cubic yards of spoils, consisting of soil or water, could be created at each work area. All spoils from the three northerly work sites will be handled, stockpiled, and stored as if the spoils are contaminated. At the remaining work sites, if there is any evidence which indicates contaminated soils or water are present on the site, either from visual observations or odors indicative of regulated substances, the contractor will be responsible to isolate and contain the spoils and the City and contractor will obtain sample analyses. Spoils at each work area will be stockpiled within a temporary, lined pit; a vacuum truck will be used to remove the spoils from the site. The vacuum truck will then take the spoils to be temporarily stored at the City of Eureka's Corporation yard and tested for contaminants.

The findings of any testing that identifies the presence of contaminants will be submitted, as applicable, to the RWQCB, DTSC, and any other appropriate regulatory agencies. The contractor will comply at all times with the requirements and regulations of the RWQCB, DTSC, and other agencies with regard to the handling, transport, and disposal of hazardous materials such as contaminated soils or water, to the satisfaction of the applicable agencies.

Clean material will be disposed of at the contractor's disposal site, located in Willow Creek, CA. Contaminated soil will be disposed of at a permitted facility.

**Agency and Departmental Comments:** Referrals were sent to several agencies and City departments with interest or jurisdiction over the property or the intended use of the property. In addition to the comments from the North Coast Regional Water Quality Control Board discussed above, the local Native American tribes provided comments.

The Tribes noted certain areas within the project were sensitive for resources and requested monitoring at those locations. In addition, the tribes requested the project be conditioned with the City's standard inadvertent discovery language. Conditions of approval have been included based on Tribal comments.

**Support Material:**

Attachment 1: Coastal Commission Jurisdiction Work Sites

Attachment 2: Interim Director of Development Services Resolution

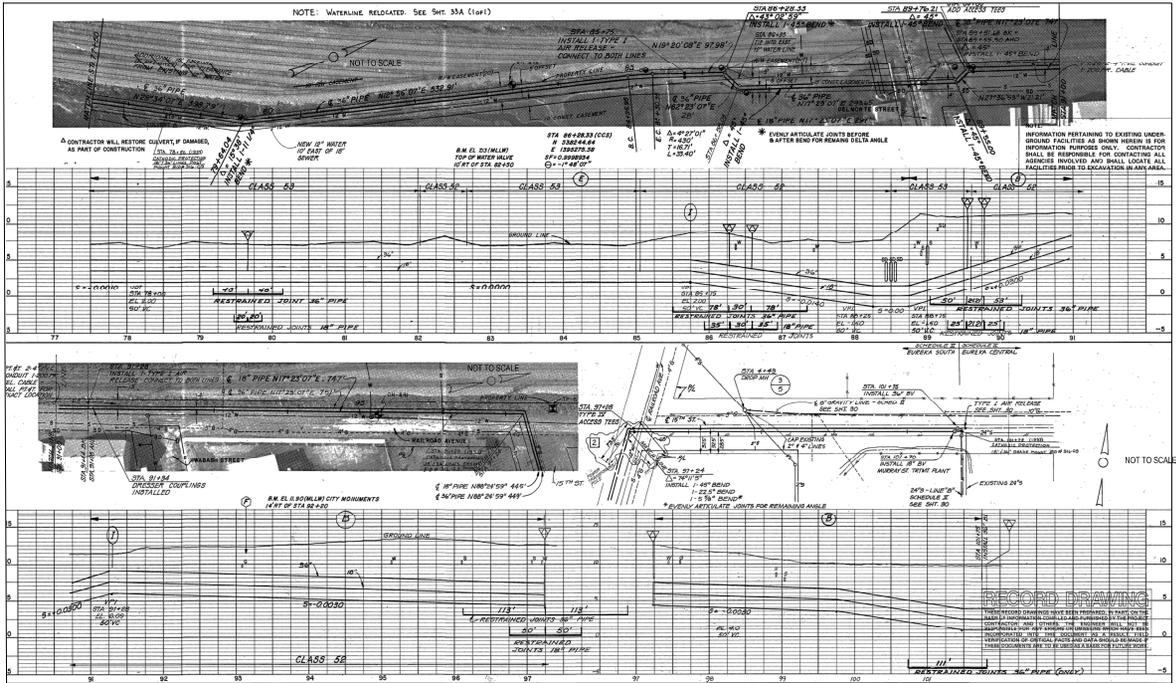
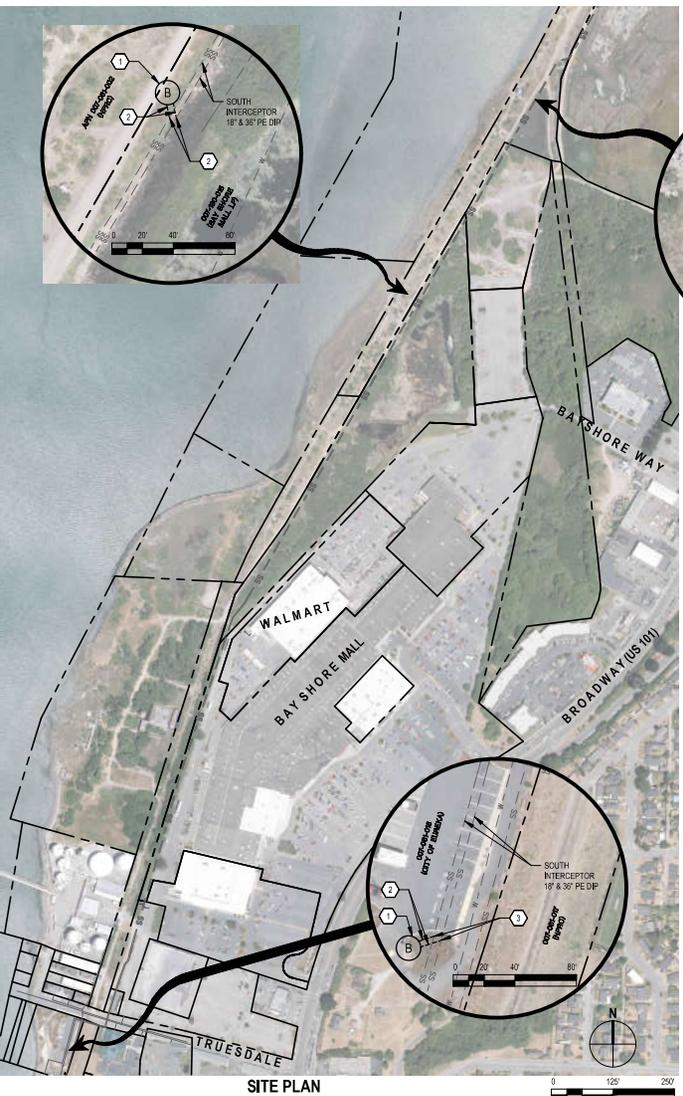
Attachment 3: Project Plans

**SHEET GENERAL NOTES**

1. LOCATION OF EX UTILITIES & STRUCTURES ARE UNKNOWN, CONTRACTOR SHALL NOTIFY THE OWNER AND UNDERGROUND SERVICES ALERT (800) 221-2688 A MIN. OF TWO FULL WORKING DAYS PRIOR TO ANY EXCAVATION AND POT-HOLE FOR EXACT LOCATION.
2. CONTRACTOR TO POT-HOLE PRIOR TO DETERMINE THE EXACT LOCATION AND DEPTH OF (E) UTILITIES, NOTIFY ENGINEER OF ANY CONFLICTS WITH PROPOSED IMPROVEMENTS.
3. ALL CONDUIT TRENCHING PER DETAIL 6, SHEET CP-501

**KEYNOTES**

1. INSTALL POST MOUNTED BONDING TEST STATION PER DETAIL 5, SHEET CP-501.
2. TRENCH TEST LEADS IN CONDUIT FROM BONDING STATION TO SOUTH INTERCEPTOR 18" & 36" PIPELINES.
3. BOND TEST LEADS TO PIPE (TYP.) PER DETAIL 2, SHEET CP-501.



**SOUTH INTERCEPTOR RECORD DRAWING EXCERPT FROM 1979 - REFERENCE ONLY**

NOTE:  
THIS UTILITY SITE PLAN IS REFERENCED FROM RECORD DRAWINGS,  
"EUREKA CROSS-TOWN FACILITIES, CONTRACT I, INTERCEPTORS", DATED 1979

No.	Issue	Drawn	Approved	Date



Bar is one inch on original size sheet  
0 1"

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Drafting Check	T.MOLLER-MANGARIN	Design Check	J.KNAUER
Project Manager	J.WOLF	Date	9/25/18
This document shall not be used for construction unless signed and sealed by consultant.		Scale	AS SHOWN

Client	CITY OF EUREKA
Project	CROSS TOWN INTERCEPTOR CATHODIC PROTECTION SYSTEM MAINTENANCE PROJECT
Title	SOUTH INTERCEPTOR BONDING STATIONS
Project No.	11159141
Drawn/Issue	ANSI D
Sheet No.	C-107
Sheet	9 of 11

# INTERIM DIRECTOR OF DEVELOPMENT SERVICES

## RESOLUTION NO. 19-\_\_

A RESOLUTION OF THE INTERIM DIRECTOR OF DEVELOPMENT SERVICES OF THE CITY OF EUREKA APPROVING A COASTAL DEVELOPMENT PERMIT (CDP-19-0012) FOR THE CROSTOWN INTERCEPTOR CATHODIC PROTECTION SYSTEM MAINTENANCE PROJECT

**WHEREAS**, the City of Eureka is planning to conduct maintenance on the City of Eureka's Crosstown Interceptor, an existing public sewer facility; and

**WHEREAS**, the maintenance takes place at multiple locations along the Crosstown Interceptor at the western edge of the City; and

**WHEREAS**, the maintenance sites are located in areas with the following zoning/land use designations: P (Public), MG (General Industrial), MC (Coastal Dependent Industrial), CP (Planned Shopping Center Commercial District)/GC (General Commercial), GI (General Industrial), PQP (Public Quasi-Public); and

**WHEREAS**, the project is located in the California Coastal Zone; and

**WHEREAS**, two locations are within the coastal permit jurisdiction of the California Coastal Commission and the remaining six locations are within the City of Eureka's coastal permit jurisdiction, and are appealable to the Coastal Commission; and

**WHEREAS**, the project does not qualify for an exemption or categorical exclusion and a Coastal Development Permit is required; and

**WHEREAS**, the Interim Director of Development Services of the City of Eureka did hold a duly noticed public hearing at City Hall in the City of Eureka on October 15, 2019 at 10:00 a.m. in Conference Room 207 at Eureka City Hall to consider the Coastal Development Permit; and

**WHEREAS**, the Interim Director of Development Services of the City of Eureka has reviewed the subject application in accordance with Eureka Municipal Code Article 29, Coastal Development Permit Procedures, and specifically §10-5.29310.1, and after due consideration of all testimony, evidence, and reports offered at the public hearing, does hereby find and determine the following facts:

1. The project sites are in areas that have already been disturbed for installation of the associated sewer line, the existing cathodic protection system equipment, and/or other utilities or development.
2. Failure of this essential central sewer line would result in a significant disruption in habitat values through contamination of adjacent soils, groundwater, and estuaries, which could then potentially spread to sensitive coastal habitats, both on land and in Humboldt Bay.
3. The Coastal Development Permit is a discretionary action subject to environmental review in accordance with the California Environmental Quality Act (CEQA); however, the project qualifies for a Class 1 exemption from CEQA which exempts the maintenance and minor alteration of existing structures that involve negligible or no expansion of and existing use.
4. The proposed project conforms to the policies of the Certified Local Coastal Program.

**WHEREAS**, in the opinion of the Interim Director of Development Services of the City of Eureka, the proposed application should be approved subject to the following conditions:

1. All work will be completed prior to the beginning of nesting season (March).
2. If wayward nesting migratory birds are found in the project construction area, the contractor and crew will avoid the area until a biologist can survey and make recommendations.
3. All ground-disturbing activities shall occur during dry weather only.
4. All on-site stockpiles of construction materials and other materials shall be contained at all times and shall be covered during storm events to minimize discharge of sediments and other pollutants. ;
5. All spoils from the three northerly work sites will be handled, stockpiled, and stored as if the spoils are contaminated.
6. At the remaining work areas, if there is any evidence which indicates contaminated soils are present on the site, either from visual observations or odors indicative of regulated substances, the contractor will isolate and contain the soils.
7. Spoils from the three northerly work sites, and any spoils suspected of being contaminated from the remaining work areas will be stockpiled at each work area within a temporary, lined pit; a vacuum truck will be used to remove the spoils from the site. The vacuum truck will then take the spoils to be temporarily stored at the City of Eureka's Corporation yard and tested for contaminants.
8. The findings of any testing that identifies the presence of contaminants will be submitted, as applicable, to the RWQCB, DTSC, and any other appropriate regulatory agencies.
9. The contractor will comply at all times with the requirements and regulations of the RWQCB, DTSC, and other agencies with regard to the handling, transport, and disposal of hazardous materials such as contaminated soils or water, to the satisfaction of the applicable agencies.
10. Contaminated material will be disposed of at a permitted facility.
11. Clean material will be disposed of at the contractor's disposal site, located in Willow Creek, CA.
12. Suitable sediment control BMPs such as silt fencing or straw waddles shall be installed downgradient of disturbed areas.
13. To minimize wildlife entanglement and plastic debris pollution, temporary rolled erosion and sediment control products (such as fiber rolls and silt fencing) that incorporate plastic netting (such as polypropylene, nylon, polyethylene, polyester, or other synthetic fibers) will not be used. Acceptable alternatives include erosion and sediment control products without netting, products made with loose-weave natural fiber netting, and unreinforced silt fences.

14. To ensure construction occurs in designated areas and does not impact sensitive habitats, the boundaries of the work area adjacent to wetlands and other sensitive habitat shall be physically demarcated such as with fencing or flagging.
15. No construction materials, debris, or waste will be placed or stored where it may be subject to entering coastal waters or wetlands.
16. Staging and storage of construction equipment and materials will occur on paved or gravel surfaces at least 50 feet from coastal wetlands, drainage courses, and storm drain inlets.
17. Fuels, lubricants, and solvents will not be allowed to enter coastal waters or wetlands. All equipment used during construction will be free of oil and fuel leaks at all times. Any fueling, equipment maintenance, concrete washout, and washing of construction equipment will occur at least 100 feet away from coastal waters.
18. Hazardous materials management equipment including oil containment booms and absorbent pads will be available immediately on-hand at each work area. Any accidental spill will be immediately contained and cleaned up.
19. For any location adjacent to a wetland/ESHA, straw waddles or other appropriate barriers to control/prevent unanticipated runoff or erosion will be placed between the work area and the wetland/ESHA.
20. Vegetated areas that are disturbed by the project will be seeded with a non-invasive native seed mix and mulched to encourage re-vegetation.
21. A tribal monitor must be on-site for trenching at the following locations: Bayshore Way west of Wal-Mart, the McCullens Pump Station, and the Hikshari Trail parking lot bonding station.
22. Ground disturbing activities are subject to the City's standard protocol for incidental archeological discovery (cultural or historical artifacts) as follows:
  - a) If archaeological resources are encountered during construction activities, all onsite work shall cease in the immediate area and within a 50 foot buffer of the discovery location. A qualified archaeologist will be retained to evaluate and assess the significance of the discovery, and develop and implement an avoidance or mitigation plan, as appropriate. For discoveries known or likely to be associated with native American heritage (prehistoric sites and select historic period sites), the Tribal Historic Preservation Officers for the Bear River Band of Rohnerville Rancheria, Blue Lake Rancheria, and Wiyot Tribe are to be contacted immediately to evaluate the discovery and, in consultation with the project proponent, City of Eureka, and consulting archaeologist, develop a treatment plan in any instance where significant impacts cannot be avoided. Prehistoric materials may include obsidian or chert flakes, tools, locally darkened midden soils, groundstone artifacts, shellfish or faunal remains, and human burials. Historic archaeological discoveries may include 19th century building foundations; structure remains; or concentrations of artifacts made of glass, ceramic, metal or other materials found in buried pits, old wells or privies.

- b) If paleontological resources, such as fossilized bone, teeth, shell, tracks, trails, casts, molds, or impressions are discovered during ground-disturbing activities, work shall stop in that area and within 100 feet of the find until a qualified paleontologist can assess the nature and importance of the find and, if necessary, develop appropriate treatment measures in conformance with Society of Vertebrate Paleontology standards, and in consultation with the City of Eureka.
- c) In the event of discovery or recognition of any human remains during construction activities, the landowner or person responsible for excavation would be required to comply with the State Health and Safety Code Section 7050.5. Construction activities within 100 feet of the find shall cease until the Humboldt County Coroner has been contacted at 707-445-7242 to determine that no investigation of the cause of death is required. If the remains are determined to be, or potentially be, Native American, the landowner or person responsible for excavation would be required to comply with Public Resources Code Section 5097.98. In part, PRC Section 5097.98 requires that the Native American Heritage Commission (NAHC) shall be contacted within 24 hours if it is determined that the remains are Native American. The NAHC would then identify the person or persons it believes to be the most likely descendant from the deceased Native American, who in turn would make recommendations to the landowner or the person responsible for the excavation work for the appropriate means of treating the human remains and any associated grave goods within 48 hours of being granted access to the site. Additional provisions of Public Resources Code Section 5097.98 shall be complied with as may be required.

23. A copy of the fully executed monitoring contract between the City and the Monitoring Tribe shall be provided to the City of Eureka Development Services Department prior to beginning any ground disturbing activities. The contract shall include the requirement that the contractor provide at least 48-hour notice to the Monitoring Tribe of the need for a monitor to be on site.

**NOW THEREFORE, BE IT RESOLVED** the Interim Director of Development Services of the City of Eureka does hereby approve the Coastal Development Permit, subject to the conditions listed above.

**PASSED, APPROVED AND ADOPTED** by the Interim Director of Development Services of the City of Eureka in the County of Humboldt, State of California, on the 15th day of October, 2019.

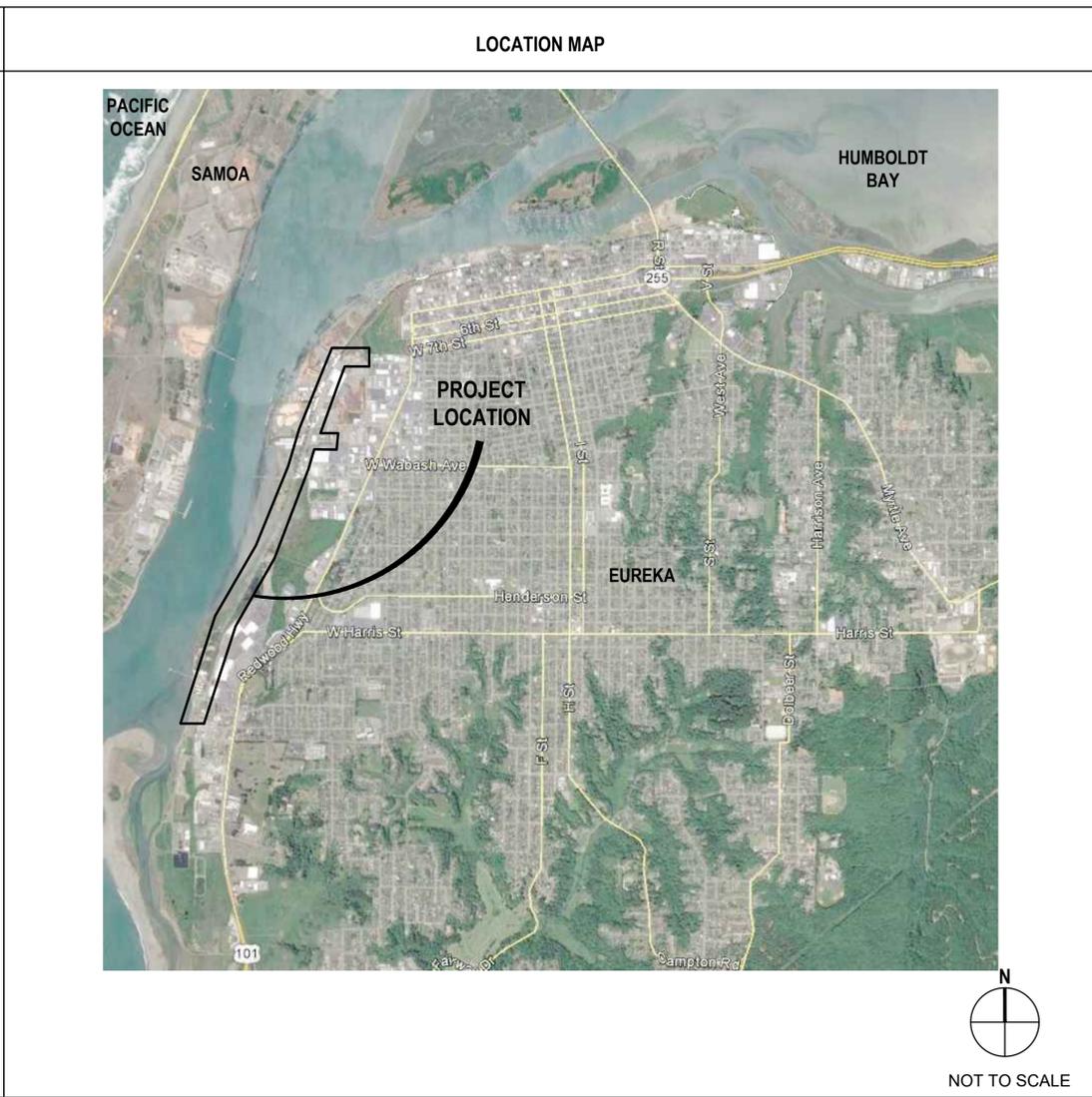
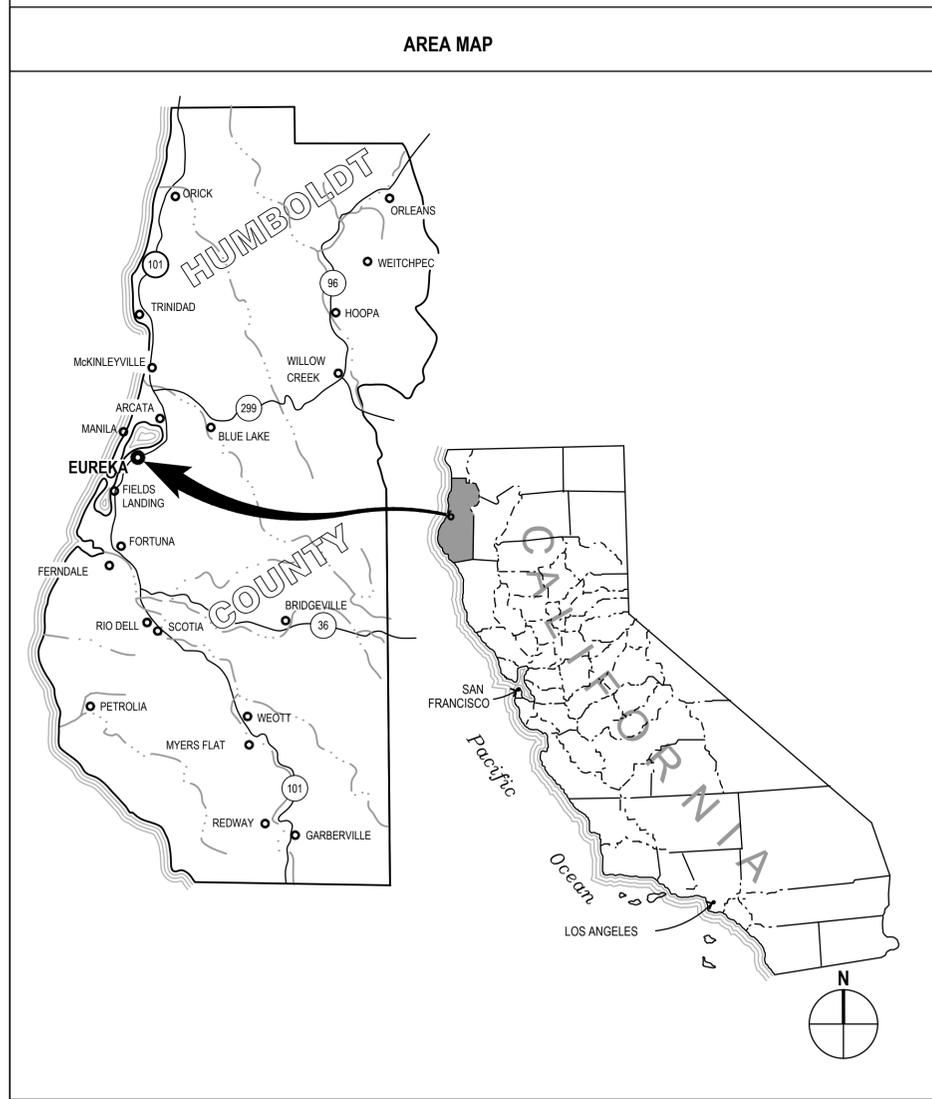
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# CROSS TOWN INTERCEPTOR CATHODIC PROTECTION SYSTEM MAINTENANCE PROJECT

## EUREKA, CA

### CITY OF EUREKA

September 2018



**SHEET INDEX**

Sheet	Sheet No.	Title
<b>GENERAL</b>		
1	G-001	COVER SHEET
2	G-002	GENERAL NOTES
<b>CIVIL</b>		
3	C-101	OVERALL SITE
4	C-102	WASHINGTON STREET CP IMPROVEMENTS
5	C-103	RAILROAD AVENUE CP IMPROVEMENTS
6	C-104	BAYSHORE WAY CP IMPROVEMENTS
7	C-105	MCCULLENS PUMP STATION CP IMPROVEMENTS
8	C-106	CENTRAL TO SOUTH INTERCEPTOR MONITORING STATION
9	C-107	SOUTH INTERCEPTOR BONDING STATIONS
<b>CIVIL DETAILS</b>		
10	CP-501	CATHODIC PROTECTION DETAILS
11	CP-502	CATHODIC PROTECTION DETAILS

No.	Issue	Drawn	Approved	Date

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Drafting Check	T.MOLLIER-MANGARIN	Design Check	J.KNAUER
Project Manager	J.WOLF	Date	9/25/18
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Client	CITY OF EUREKA
Project	CROSS TOWN INTERCEPTOR CATHODIC PROTECTION SYSTEM MAINTENANCE PROJECT
Title	COVER SHEET
Project No.	11159141
Original Size	ANSI D
Sheet No.	G-001
Sheet	1 of 11

**GENERAL NOTES**

- ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE PLANS & SPECIFICATIONS, AND THE CONTRACT SPECIAL PROVISIONS FOR THIS PROJECT, UNLESS SHOWN OTHERWISE.
- PROJECT REQUIRES A CLASS A GENERAL ENGINEERING CONTRACTOR'S LICENSE IN THE STATE OF CALIFORNIA.
- QUANTITIES OF ITEMS, LENGTH OF PROJECT, AND SITE CONDITIONS SHOWN IN THE PLANS ARE APPROXIMATE. ALL MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
- CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE CITY, GHD, AND THEIR REPRESENTATIVES HARMLESS FROM ANY AND ALL LIABILITY, REAL AND/OR ALLEGED, IN CONJUNCTION WITH THE PERFORMANCE OF THIS PROJECT.
- CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING STRUCTURES, ROADS AND UTILITIES DURING CONSTRUCTION. ALL DAMAGE SHALL BE RESTORED TO EQUAL OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL VERIFY LOCATIONS, ELEVATIONS, DISTANCES, AND FEATURES THAT MAY AFFECT THE WORK. SHOULD EXISTING CONDITIONS DIFFER FROM THOSE SHOWN OR INDICATED, OR IF IT APPEARS THAT THESE PLANS, STANDARD SPECIFICATIONS, AND SPECIAL PROVISIONS DO NOT ADEQUATELY DETAIL THE WORK TO BE DONE, CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONTINUING WITH ANY RELATED WORK. NO ALLOWANCE WILL BE MADE ON HIS BEHALF FOR ANY EXTRA EXPENSE RESULTING FROM FAILURE OR NEGLECT IN DETERMINING THE CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALE.
- A SET OF SIGNED WORKING DRAWINGS AND A SET OF SPECIFICATIONS WILL BE KEPT AT ALL TIMES AT THE JOB SITE ON WHICH ALL CHANGES OR VARIATIONS IN THE WORK, INCLUDING ALL EXISTING UTILITIES, ARE TO BE RECORDED AND/OR CORRECTED DAILY AND SUBMITTED TO THE ENGINEER WHEN THE WORK TO BE DONE IS COMPLETED.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN SUFFICIENT TEMPORARY BARRIERS TO PROVIDE FOR THE SAFETY OF THE STAFF AND PUBLIC TO THE SATISFACTION OF THE ENGINEER.
- SHOULD GRADING OPERATIONS ENCOUNTER HAZARDOUS MATERIALS, OR WHAT APPEAR TO BE HAZARDOUS MATERIALS, STOP WORK IN THE AFFECTED AREA IMMEDIATELY AND CONTACT 911 OR THE APPROPRIATE AGENCY FOR FURTHER INSTRUCTION.
- CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 72 HOURS IN ADVANCE OF COMMENCEMENT OF ANY PART OF THE WORK AND SHALL COORDINATE CONSTRUCTION SCHEDULE WITH CITY ENGINEER TO MINIMIZE IMPACT TO THE PUBLIC.
- UNSUITABLE EXCAVATED MATERIAL SHALL BE REMOVED FROM SITE AND DISPOSED OF IN A MANNER CONSISTENT WITH APPLICABLE REGULATIONS SUCH AS CITY OR COUNTY GRADING ORDINANCES. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY AND EXPENSE FOR PROPER DISPOSAL OF UNSUITABLE MATERIALS TAKEN FROM SITE AND PROVIDE SUITABLE DOCUMENTATION OF PERMISSION AND ENVIRONMENTAL DOCUMENTATION FOR USE OF ANY DISPOSAL SITE AS REQUESTED BY THE ENGINEER.
- THE CONTRACTOR SHALL READ AND MAKE CAREFUL EXAMINATION OF THE PLANS, SPECIFICATIONS, QUANTITIES AND MATERIAL ESTIMATES AND VISIT THE SITE OF THE PROPOSED CONSTRUCTION TO BECOME FAMILIAR WITH THE SITE CONDITIONS AND LIMITATIONS BEFORE MAKING A BID. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL ERRORS RESULTING FROM THE FAILURE TO MAKE SUCH AN EXAMINATION. ANY INFORMATION DERIVED FROM THE MAPS, PLANS, SPECIFICATIONS, PROFILES, DRAWINGS OR FROM THE ENGINEER WILL NOT RELIEVE THE CONTRACTOR FROM ANY RISK OR FROM FULFILLING THE TERMS OF THE CONTRACT.
- NO WORK SHALL BE PERFORMED OUTSIDE OF THE DESIGNATED CONSTRUCTION LIMITS WITHOUT THE APPROVAL OF THE CITY'S REPRESENTATIVE.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING STAGING AREAS WITH THE CITY OF EUREKA. ALL STAGING AREAS WITHIN THE RIGHT-OF-WAY SHALL BE PRE-APPROVED BY THE CITY.
- UPON COMPLETION OF THE CONSTRUCTION PROJECT, THE CONTRACTOR SHALL LEAVE THE PROJECT AREA FREE OF DEBRIS AND UNUSED MATERIAL. ALL DAMAGE CAUSED BY THE CONTRACTOR SHALL BE RESTORED TO AN "AS GOOD OR BETTER" CONDITION.
- EXISTING FENCING SHALL REMAIN IN PLACE AND UNDISTURBED BY CONSTRUCTION OPERATIONS UNLESS OTHERWISE SHOWN ON THE PLANS. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY AND ALL DAMAGES TO FENCES DURING CONSTRUCTION. ALL DAMAGE SHALL BE RESTORED TO EQUAL OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR AND CITY'S REPRESENTATIVE SHALL ADJUST THE LENGTHS OF TEST LEADS TO MATCH FIELD CONDITIONS.
- THE LOCATIONS SHOWN SHALL BE MODIFIED AS NECESSARY TO FIT ACTUAL FIELD CONDITIONS AS DETERMINED BY THE ENGINEER OR THE CITY'S REPRESENTATIVE.

**TRAFFIC CONTROL NOTES**

- ALL TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE CALIFORNIA MUTCD.

**UTILITY NOTES**

- THE CONTRACTOR SHALL VERIFY ALL UTILITIES WITH UTILITY OWNERS PRIOR TO CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES THROUGH THE NEGLIGENCE OF THE CONTRACTOR SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
- IF ANY WORK IS IN CLOSE PROXIMITY TO EXISTING UTILITIES AND COORDINATION IS REQUESTED BY THE UTILITY COMPANY, THE CONTRACTOR SHALL COORDINATE UTILITY WORK WITH THE RESPONSIBLE UTILITY COMPANY (UTILITY CITY).
- CONTRACTOR SHALL POTHOLE AND LOCATE ALL EXISTING UTILITIES VARIATIONS IN LOCATION AND DEPTH SHALL BE BROUGHT TO THE ATTENTION OF THE CITY IMMEDIATELY SO THAT THE LOCATION OF UTILITIES MAY BE CHECKED WITH THE PROPOSED DESIGN. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (800) 227-2600 A MINIMUM OF TWO FULL WORKING DAYS PRIOR TO ANY EXCAVATION AND POTHOLE FOR EXACT LOCATION.
- ALL LOCATIONS FOR WORK SHALL BE CHECKED AND COORDINATED WITH EXISTING CONDITIONS IN THE FIELD BEFORE BEGINNING CONSTRUCTION.
- ALL EXISTING UTILITIES AND TIE-IN POINTS SHOULD BE CONSIDERED ACTIVE UTILITIES UNLESS OTHERWISE INDICATED.
- CONSTRUCTION ACTIVITY WILL TAKE PLACE IN THE VICINITY OF OVERHEAD ELECTRIC TRANSMISSION LINES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE AWARE OF, AND OBSERVE, THE MINIMUM CLEARANCES FOR WORKERS AND EQUIPMENT OPERATING NEAR HIGH VOLTAGE ELECTRIC LINES AS SET OUT IN THE HIGH VOLTAGE SAFETY ORDERS OF THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY AS WELL AS OTHER APPLICABLE SAFETY REGULATIONS.

**GRADING NOTES**

- CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF ALL CONSTRUCTION. ADEQUATE SHORING BRACING, TIES, AND SUPPORTS SHALL BE USED TO PROVIDE PROPER TEMPORARY INTEGRITY DURING ALL PHASES OF CONSTRUCTION.
- ALL EXISTING LANDSCAPED AND UNPAVED AREAS WHICH ARE DISTURBED BY CONSTRUCTION OR EARTHWORK OPERATIONS SHALL BE HAND RAKED SMOOTH AND RETURNED TO ORIGINAL EXISTING CONDITIONS.
- ALL DITCHES, SWALES, GUTTERS, ETC. SHOULD BE CONSIDERED ACTIVE STORM CONVEYANCES UNLESS OTHERWISE INDICATED. CONTRACTOR IS RESPONSIBLE FOR ADDRESSING STORM WATER DRAINAGE AND DEWATERING OF WORK AREAS DURING CONSTRUCTION.

**EROSION CONTROL NOTES**

- CONTRACTOR IS RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL. CONTRACTOR SHALL USE CALTRANS STORMWATER QUALITY HANDBOOKS, CONSTRUCTION CONTRACTOR'S GUIDE AND SPECIFICATIONS.
- DURING WET WEATHER PERIODS, CONTRACTOR IS RESPONSIBLE FOR SEQUENCING CONSTRUCTION IN A MANNER TO MINIMIZE IMPACT ON OPEN EARTHWORK AND COMPACTION OPERATIONS.
- IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FIX ANY DEFICIENCIES INDICATED BY THE CITY OR THE CITY'S REPRESENTATIVE TO PREVENT EROSION AND CONTROL SEDIMENT.
- PRIOR TO FINAL ACCEPTANCE TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED AND ALL AREAS OF SOIL DISTURBANCE SHALL BE STABILIZED WITH SEED AND MULCH.

**ABBREVIATIONS**

AB	AGGREGATE BASE	FES	FLARED END SECTION	PVC	POLYVINYL CHLORIDE
AC	ASPHALT CONCRETE	FG	FINISH GRADE	R/W	RIGHT OF WAY
AD	AREA DRAIN	FL	FLOW LINE	RCP	REINFORCED CONCRETE PIPE
BLDG	BUILDING	GD	GRADE	RPP	REDUCED PRESSURE PRINCIPAL DEVICE
CB	CATCH BASIN	GR	GRATE	RSP	REVISED STANDARD PLAN
C-C	CENTER TO CENTER	HDPE	HIGH DENSITY POLYETHYLENE	S	SLOPE
CITY	CITY OF EUREKA	HMA	HOT MIX ASPHALT	SD	STORM DRAIN
COE	CITY OF EUREKA	HP	HINGE POINT	SDMH	STORM DRAIN MANHOLE
Conc	CONCRETE	INV	INVERT	SIM	SIMILAR
Const	CONSTRUCTION	LF	LINEAR FEET	SS	SANITARY SEWER
CORR	CORRUGATED	MAX	MAXIMUM	SSMH	SANITARY SEWER
CL	CENTERLINE	MIN	MINIMUM	STD	STANDARD
DIA	DIAMETER	No.	NUMBER	STL	STEEL
EA	EACH	NTS	NOT TO SCALE	SW	SIDEWALK
ELEV	ELEVATION	O.C.	ON CENTER	TBC	TOP BACK OF CURB
EP	EDGE OF PAVEMENT	OG	ORIGINAL GROUND	TC	TOP OF CURB
ESMT	EASEMENT	PCC	PORTLAND CEMENT CONCRETE	T.I.	TRAFFIC INDEX
EX	EXISTING	PERF	PERFORATED	Typ	TYPICAL
Exist	EXISTING	PL	PROPERTY LINE	V <sub>ar</sub>	VARIES
		PSE	PUBLIC SERVICE EASEMENT	W	WATER
		PUE	PUBLIC UTILITY EASEMENT		

**SYMBOLS**

-  MONITORING TEST STATION
-  ANODE DEEP WELL
-  RECTIFIER
-  BONDING TEST STATION
-  ALTERNATING CURRENT SERVICE CONNECTION POINT
-  JUNCTION BOX
- CONDUIT
- -- --- APPROXIMATE ASSESSOR PARCEL LINES
- W --- APPROXIMATE WATER LINE
- SS --- APPROXIMATE SANITARY SEWER LINE
- SD --- APPROXIMATE STORM DRAIN PIPE
- G --- APPROXIMATE GAS LINE

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Project Manager	J.WOLF	Date	9/25/18
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Project	CROSS TOWN INTERCEPTOR CATHODIC PROTECTION SYSTEM MAINTENANCE PROJECT
Title	GENERAL NOTES
Project No.	11159141
Original Size	ANSI D
Sheet No.	G-002
Sheet	2 of 11



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Title	OVERALL SITE
Project No.	11159141
Original Size	ANSI D
Sheet No.	C-101
Sheet	3 of 11

APN 003-11-008 (GOLBURN ROBER & SHARON TRUST)



RIGHT OF WAY  
(CITY OF EUREKA)

APN 003-051-001  
(CUE VI LLC)

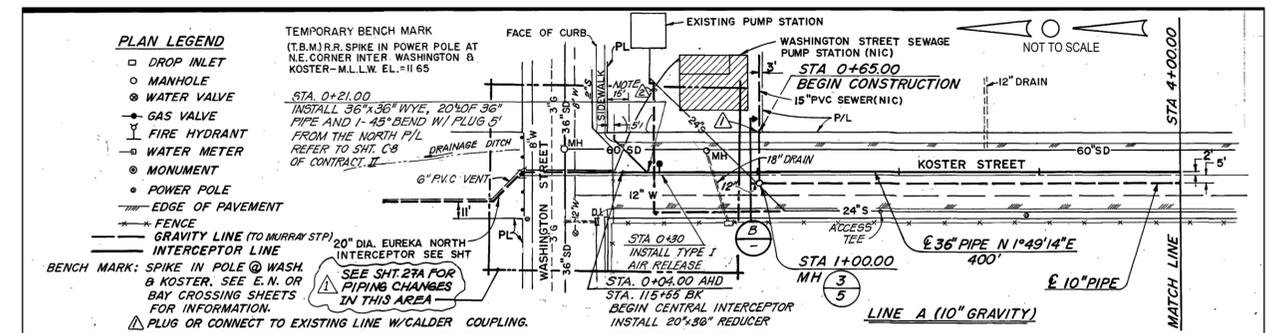
**SITE PLAN**

**SHEET GENERAL NOTES**

1. LOCATION OF EX UTILITIES & STRUCTURES ARE UNKNOWN. CONTRACTOR SHALL NOTIFY THE OWNER AND UNDERGROUND SERVICES ALERT (800) 227-2600 A MIN. OF TWO FULL WORKING DAYS PRIOR TO ANY EXCAVATION AND POTHOLE FOR EXACT LOCATION.
2. CONTRACTOR TO POTHOLE PRIOR TO DETERMINE THE EXACT LOCATION AND DEPTH OF (E) UTILITIES. NOTIFY ENGINEER OF ANY CONFLICTS WITH PROPOSED IMPROVEMENTS.
3. ALL CONDUIT TRENCHING PER DETAIL 6, SHEET CP-501

**KEYNOTES**

1. PROTECT (E) RECTIFIER.
2. INSTALL (N) ANODE TERMINAL BOARD IN (E) JUNCTION BOX PER DETAIL 4, SHEET CP-502.
3. INSTALL (N) DEEP WELL ANODE PER DETAIL 1, SHEET CP-502.
4. INSTALL (N) CONDUIT WITH ANODE CABLES TO CONNECT DEEP WELL ANODE TO (E) ANODE JUNCTION BOX. MINIMUM DEPTH 2'-0" WITH WARNING TAPE.



**NORTH & CENTRAL INTERCEPTOR RECORD DRAWING EXCERPT FROM 1979 - REFERENCE ONLY**

NOTE:  
THIS UTILITY SITE PLAN IS REFERENCED FROM RECORD DRAWINGS.  
"EUREKA CROSS-TOWN FACILITIES, CONTRACT I, INTERCEPTORS", DATED 1979

No.	Issue	Drawn	Approved	Date



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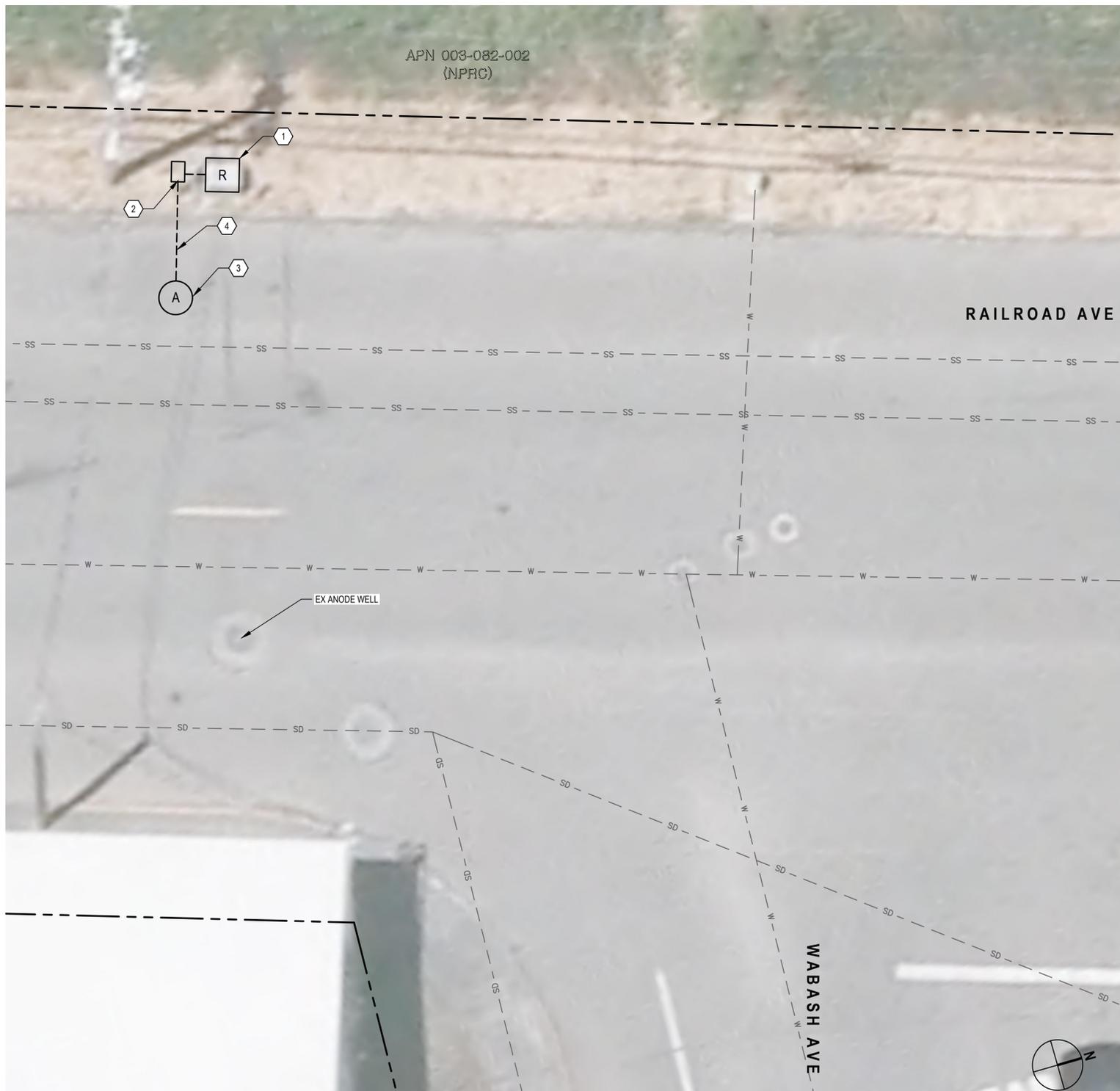


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Title	WASHINGTON STREET CP IMPROVEMENTS
Project No.	11159141
Original Size	ANSI D
Sheet No.	<b>C-102</b>
Sheet	4 of 11

APN 003-082-002  
(NPRC)



**SITE PLAN**

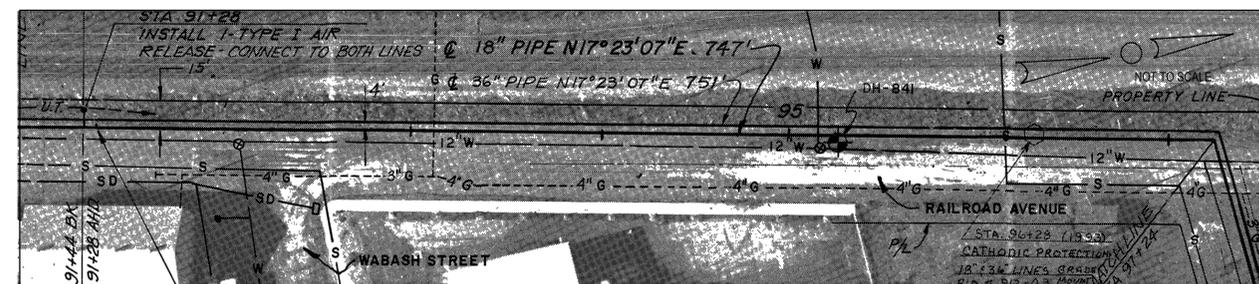


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2. CONTRACTOR TO POT HOLE PRIOR TO DETERMINE THE EXACT LOCATION AND DEPTH OF (E) UTILITIES. NOTIFY ENGINEER OF ANY CONFLICTS WITH PROPOSED IMPROVEMENTS.
3. ALL CONDUIT TRENCHING PER DETAIL 6, SHEET CP-501

**KEYNOTES**

1. PROTECT (E) RECTIFIER.
2. INSTALL (N) ANODE TERMINAL BOARD IN (E) JUNCTION BOX PER DETAIL 4, SHEET CP-502.
3. INSTALL (N) DEEP WELL ANODE PER DETAIL 1, SHEET CP-502.
4. INSTALL (N) CONDUIT WITH ANODE CABLES TO CONNECT DEEP WELL ANODE TO (E) ANODE JUNCTION BOX. MINIMUM DEPTH 2'-0" WITH WARNING TAPE.



**SOUTH INTERCEPTOR RECORD DRAWING EXCERPT FROM 1979 - REFERENCE ONLY**

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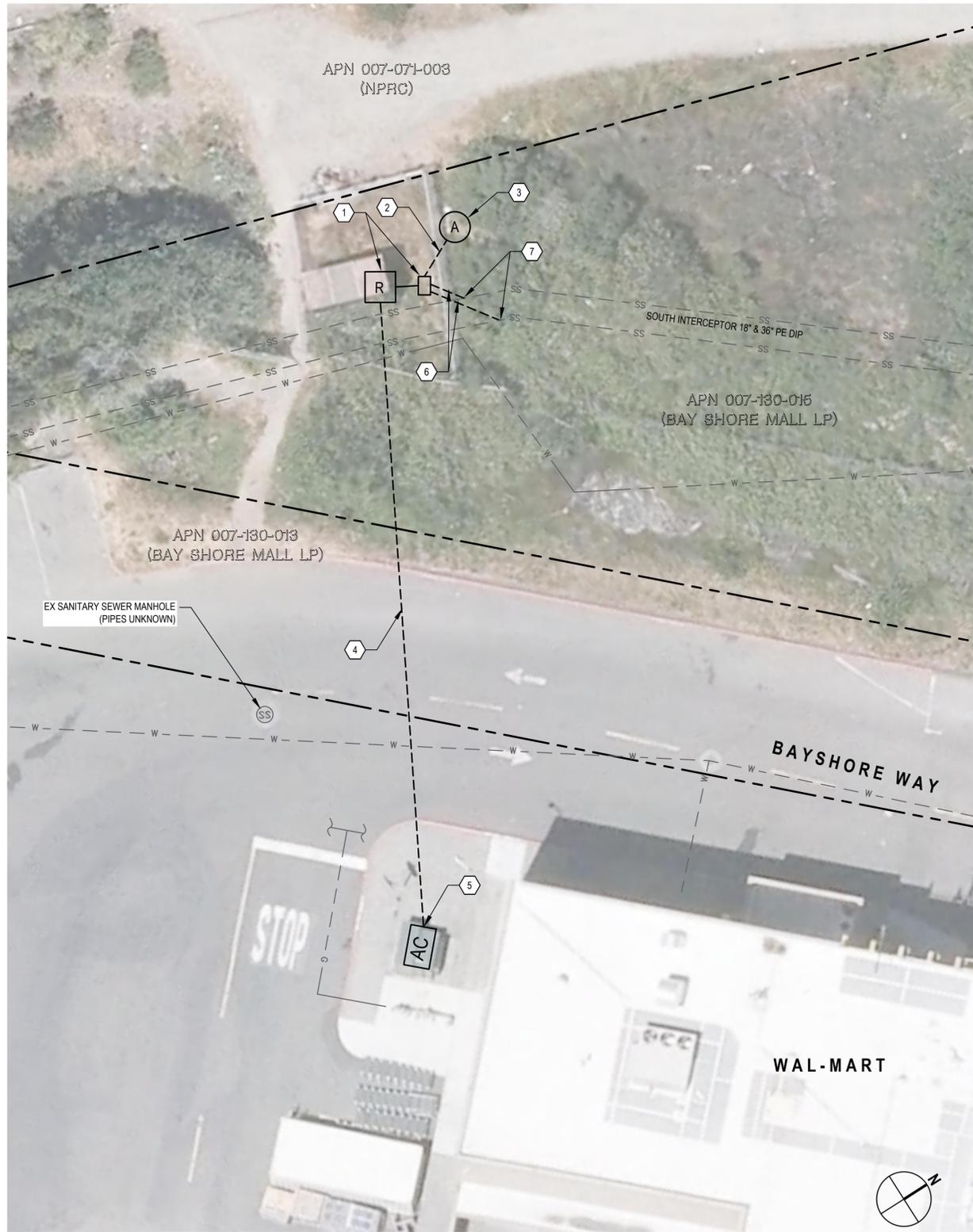
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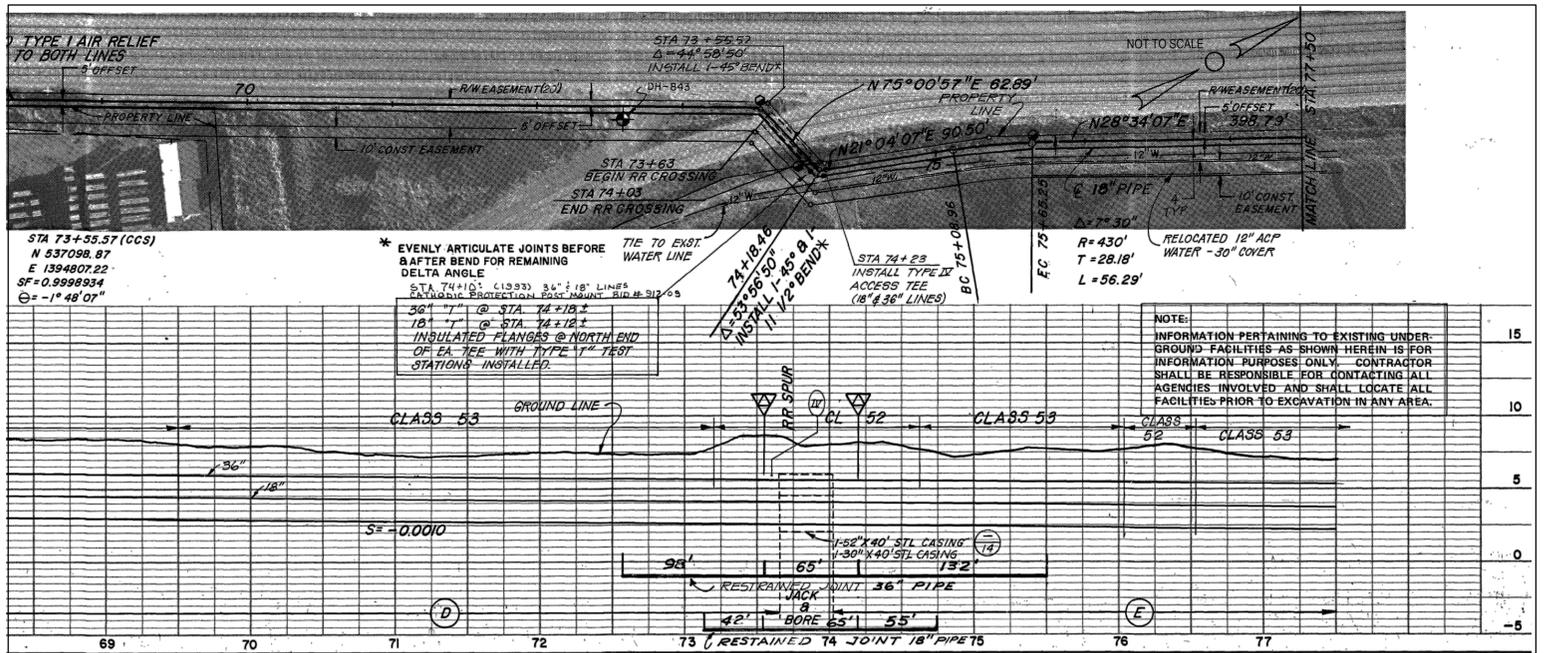
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Client	CITY OF EUREKA
Project	CROSS TOWN INTERCEPTOR CATHODIC PROTECTION SYSTEM MAINTENANCE PROJECT
Title	RAILROAD AVENUE CP IMPROVEMENTS
Project No.	11159141
Original Size	ANSI D
Sheet No.	C-103
Sheet	5 of 11



**SITE PLAN**



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  2. CONTRACTOR TO POT HOLE PRIOR TO DETERMINE THE EXACT LOCATION AND DEPTH OF (E) UTILITIES. NOTIFY ENGINEER OF ANY CONFLICTS WITH PROPOSED IMPROVEMENTS.
  3. ALL CONDUIT TRENCHING PER DETAIL 6, SHEET CP-501
- KEYNOTES**
1. INSTALL (N) RECTIFIER & ANODE JUNCTION BOX PER DETAILS 3 & 5, SHEET CP-502.
  2. INSTALL (N) CONDUIT WITH ANODE CABLES TO CONNECT DEEP WELL ANODE TO (N) ANODE JUNCTION. MINIMUM DEPTH 2'-0" WITH WARNING TAPE.
  3. INSTALL (N) DEEP WELL ANODE PER DETAIL 1, SHEET CP-502.
  4. TRENCH POWER CABLE IN CONDUIT FROM AC SERVICE CONNECTION TO RECTIFIER.
  5. PROVIDE (N) AC SERVICE CONNECTION TO PG&E TRANSFORMER (COORDINATE WORK W/ PG&E).
  6. TRENCH TEST LEADS FROM ANODE JUNCTION BOX TO SOUTH AND CENTRAL INTERCEPTOR LINES.
  7. BOND TEST LEADS TO PIPE PER DETAIL 2, SHEET CP-501.

No.	Issue	Drawn	Approved	Date



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Project Manager **J.WOLF** Date **9/25/18**  
Scale **AS SHOWN**

Client **CITY OF EUREKA**  
Project **CROSS TOWN INTERCEPTOR CATHODIC PROTECTION SYSTEM MAINTENANCE PROJECT**  
Title **BAYSHORE WAY CP IMPROVEMENTS**  
Project No. **11159141**  
Original Size **ANSI D** Sheet No. **C-104**  
Sheet **6** of **11**



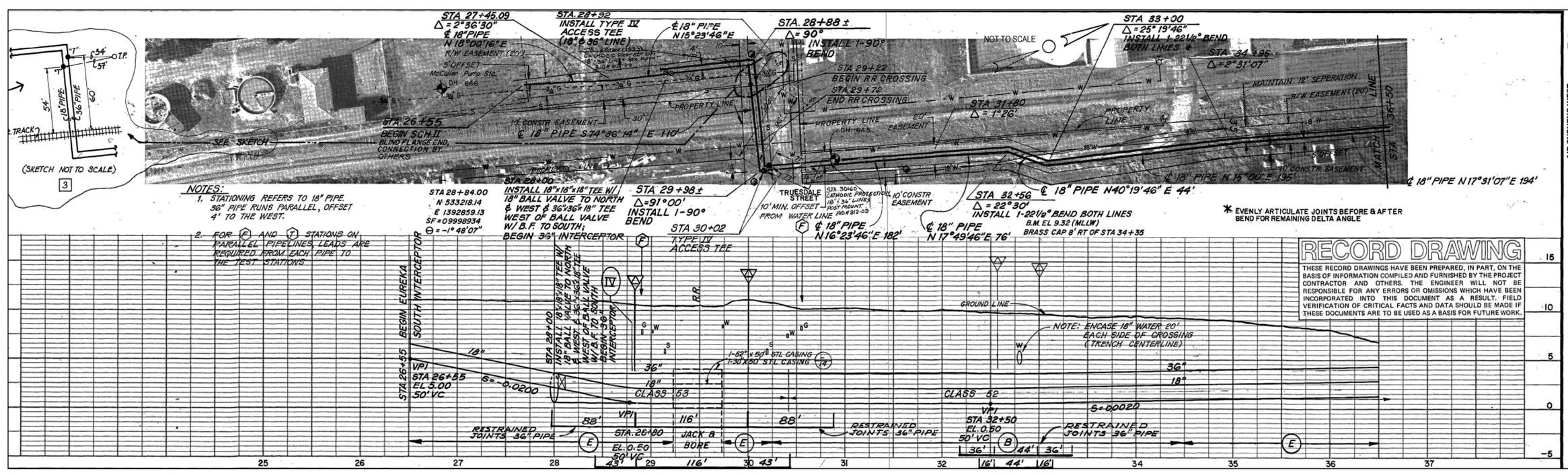
**SITE PLAN**

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**KEYNOTES**

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2. INSTALL (N) ANODE TERMINAL BOARD IN (E) JUNCTION BOX PER DETAIL 4, SHEET CP-502.
3. INSTALL (N) DEEP WELL ANODE PER DETAIL 1, SHEET CP-502.
4. INSTALL (N) CONDUIT WITH ANODE CABLES TO CONNECT DEEP WELL ANODE TO ANODE JUNCTION BOX. MINIMUM DEPTH 2'-0" WITH WARNING TAPE.



**INFLUENT FORCE MAIN RECORD DRAWING EXCERPT FROM 1979 - REFERENCE ONLY**

NOTE:  
THIS UTILITY SITE PLAN IS REFERENCED FROM RECORD DRAWINGS.  
"EUREKA CROSS-TOWN FACILITIES, CONTRACT I, INTERCEPTORS", DATED 1979

**RECORD DRAWING**

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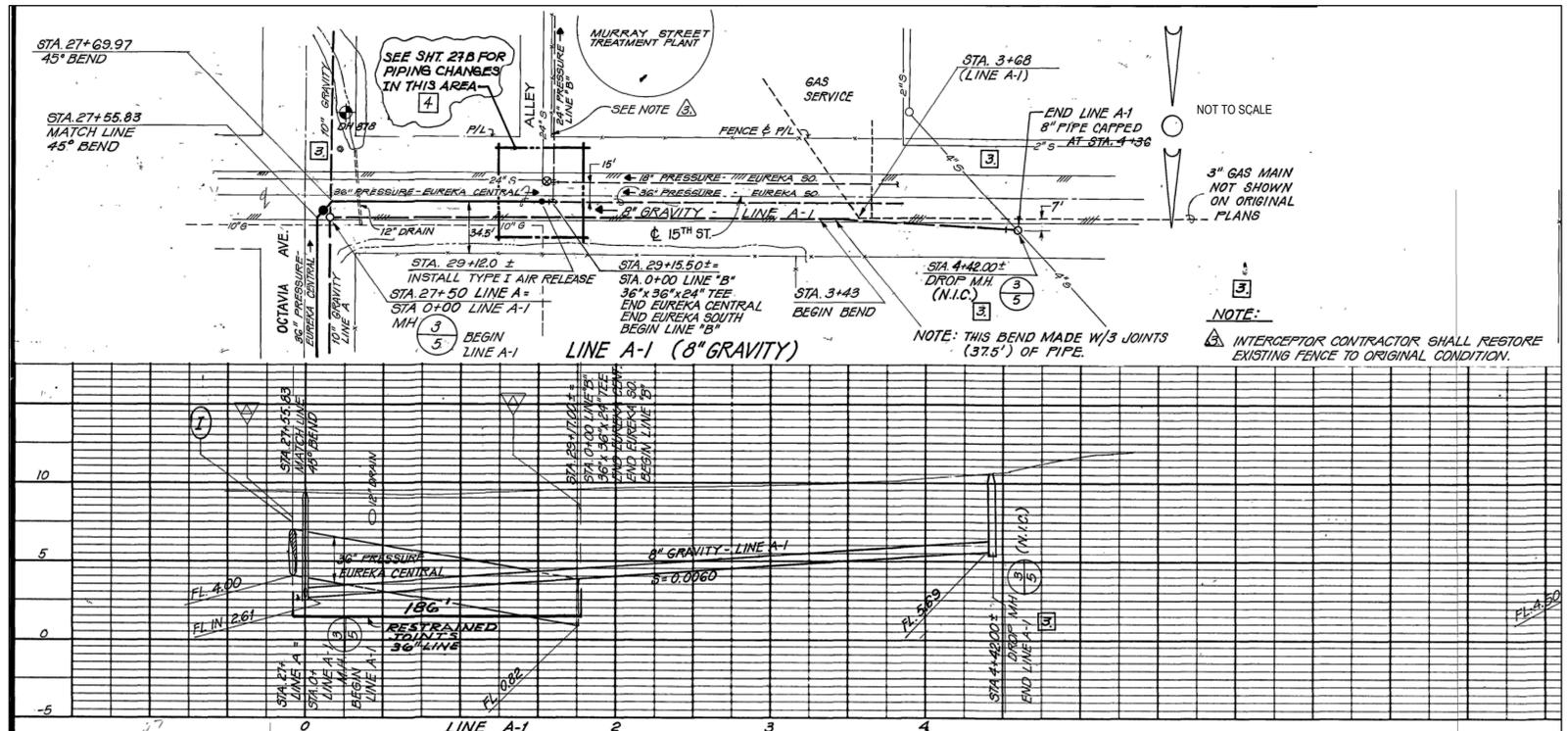
Drawn	O.GOOD	Designer	T.MOLLIER-MANGARIN
Drafting Check	T.MOLLIER-MANGARIN	Design Check	J.KNAUER
Project Manager	J.WOLF	Date	9/25/18
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Client	CITY OF EUREKA
Project	CROSS TOWN INTERCEPTOR CATHODIC PROTECTION SYSTEM MAINTENANCE PROJECT
Title	MCCULLENS PUMP STATION CP IMPROVEMENTS
Project No.	11159141
Original Size	ANSI D
Sheet No.	C-105
Sheet	7 of 11



**SITE PLAN**

- SHEET GENERAL NOTES**
1. LOCATION OF EX UTILITIES & STRUCTURES ARE UNKNOWN. CONTRACTOR SHALL NOTIFY THE OWNER AND UNDERGROUND SERVICES ALERT (800) 227-2600 A MIN. OF TWO FULL WORKING DAYS PRIOR TO ANY EXCAVATION AND POTHOLE FOR EXACT LOCATION.
  2. CONTRACTOR TO POTHOLE PRIOR TO DETERMINE THE EXACT LOCATION AND DEPTH OF (E) UTILITIES. NOTIFY ENGINEER OF ANY CONFLICTS WITH PROPOSED IMPROVEMENTS.
  3. ALL CONDUIT TRENCHING PER DETAIL 6, SHEET CP-501
- KEYNOTES**
1. INSTALL MONITORING FLUSH MOUNTED TEST STATION PER DETAIL 4, CP-501.
  2. TRENCH TEST LEADS IN CONDUIT FROM FLUSH MOUNTED MONITORING TEST TO SOUTH INTERCEPTOR 18" & 36" PIPELINES.
  3. TRENCH TEST LEADS FROM FLUSH MOUNTED MONITORING TEST STATION TO CENTRAL INTERCEPTOR 36" PIPELINE.
  4. BOND TEST LEADS TO PIPE (TYP.) PER DETAIL 2, SHEET CP-501.



**CENTRAL & SOUTH INTERCEPTOR RECORD DRAWING EXCERPT FROM 1979 - REFERENCE ONLY**

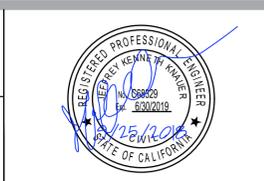
NOTE:  
THIS UTILITY SITE PLAN IS REFERENCED FROM RECORD DRAWINGS.  
"EUREKA CROSS-TOWN FACILITIES, CONTRACT I, INTERCEPTORS", DATED 1979

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

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Drafting Check	T.MOLLIER-MANGARIN	Design Check	J.KNAUER
Project Manager	J.WOLF	Date	9/25/18
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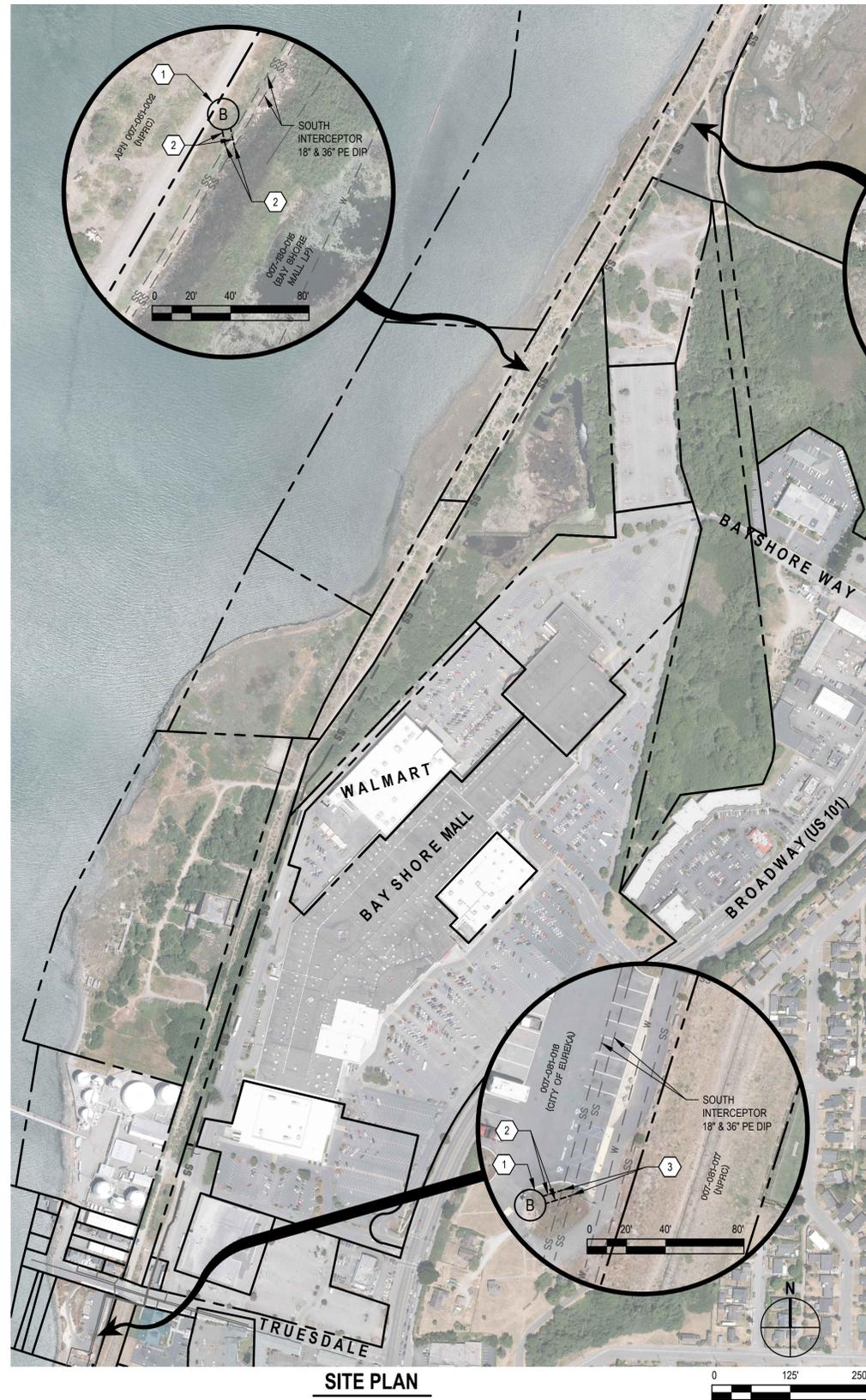
Client	CITY OF EUREKA
Project	CROSS TOWN INTERCEPTOR CATHODIC PROTECTION SYSTEM MAINTENANCE PROJECT
Title	CENTRAL TO SOUTH INTERCEPTOR MONITORING STATION
Project No.	11159141
Original Size	ANSI D
Sheet No.	C-106
Sheet	8 of 11

**SHEET GENERAL NOTES**

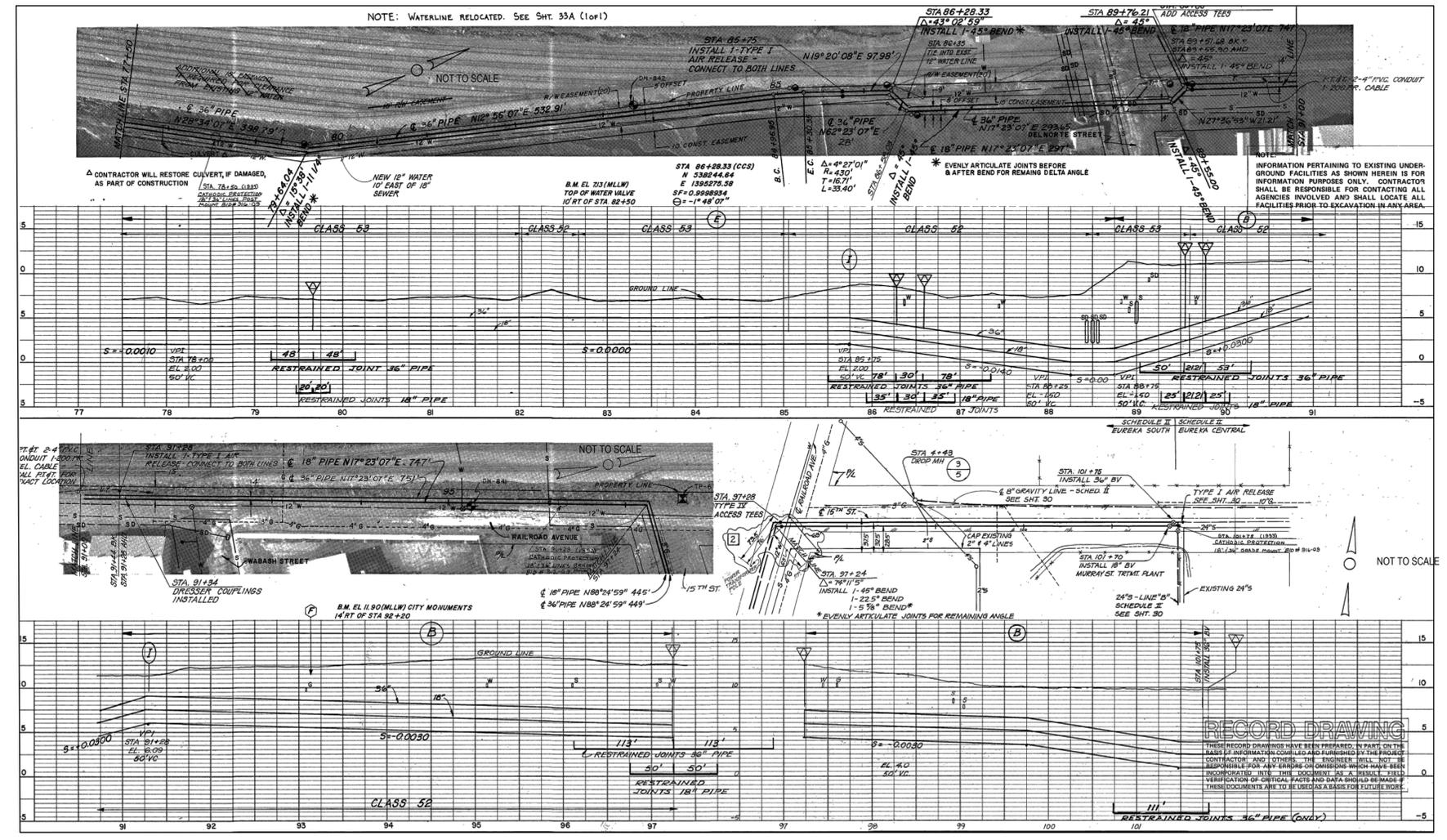
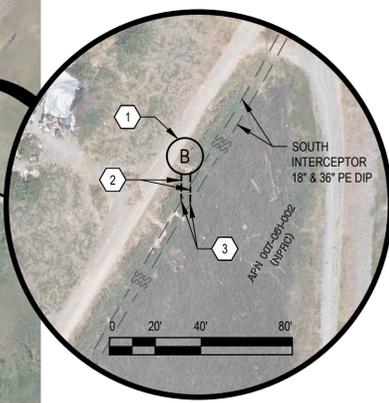
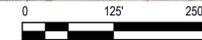
1. LOCATION OF EX UTILITIES & STRUCTURES ARE UNKNOWN. CONTRACTOR SHALL NOTIFY THE OWNER AND UNDERGROUND SERVICES ALERT (800) 227-2600 A MIN. OF TWO FULL WORKING DAYS PRIOR TO ANY EXCAVATION AND POTHOLE FOR EXACT LOCATION.
2. CONTRACTOR TO POT HOLE PRIOR TO DETERMINE THE EXACT LOCATION AND DEPTH OF (E) UTILITIES. NOTIFY ENGINEER OF ANY CONFLICTS WITH PROPOSED IMPROVEMENTS.
3. ALL CONDUIT TRENCHING PER DETAIL 6, SHEET CP-501

**KEYNOTES**

1. INSTALL POST MOUNTED BONDING TEST STATION PER DETAIL 5, SHEET CP-501.
2. TRENCH TEST LEADS IN CONDUIT FROM BONDING STATION TO SOUTH INTERCEPTOR 18" & 36" PIPELINES.
3. BOND TEST LEADS TO PIPE (TYP.) PER DETAIL 2, SHEET CP-501.



**SITE PLAN**



**SOUTH INTERCEPTOR RECORD DRAWING EXCERPT FROM 1979 - REFERENCE ONLY**

NOTE:  
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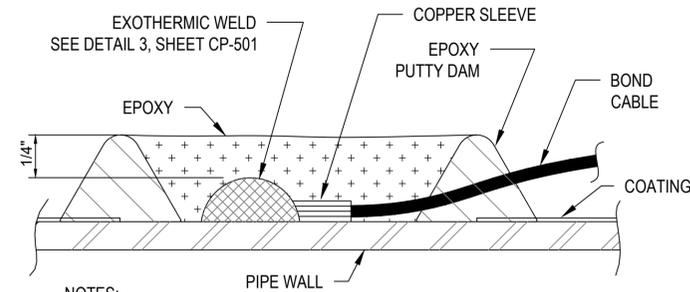
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Project Manager	J.WOLF	Date	9/25/18
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Project	CROSS TOWN INTERCEPTOR CATHODIC PROTECTION SYSTEM MAINTENANCE PROJECT
Title	SOUTH INTERCEPTOR BONDING STATIONS
Project No.	11159141
Original Size	ANSI D
Sheet No.	C-107
Sheet	9 of 11

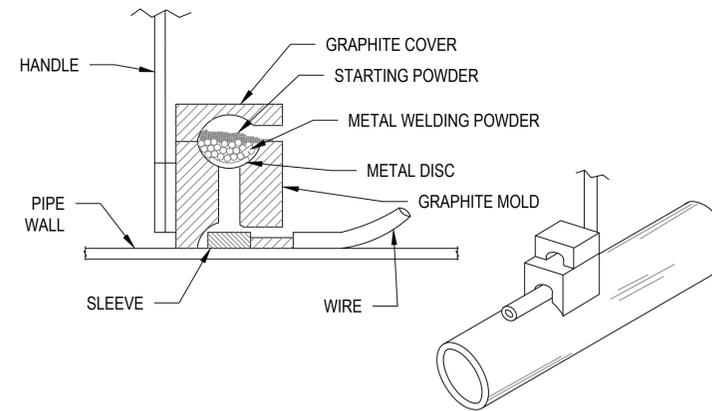


NOTES:

- WHERE (2) CABLE TO PIPE CONNECTIONS ARE IN THE SAME VICINITY, MAINTAIN A 3-INCH DISTANCE BETWEEN THE CABLE TO PIPE CONNECTIONS.
- OVERLAP THE EXISTING COATING BY A MINIMUM OF 1/2-INCH.

**1 CABLE TO PIPE DETAIL**

CP-501 SCALE: NTS



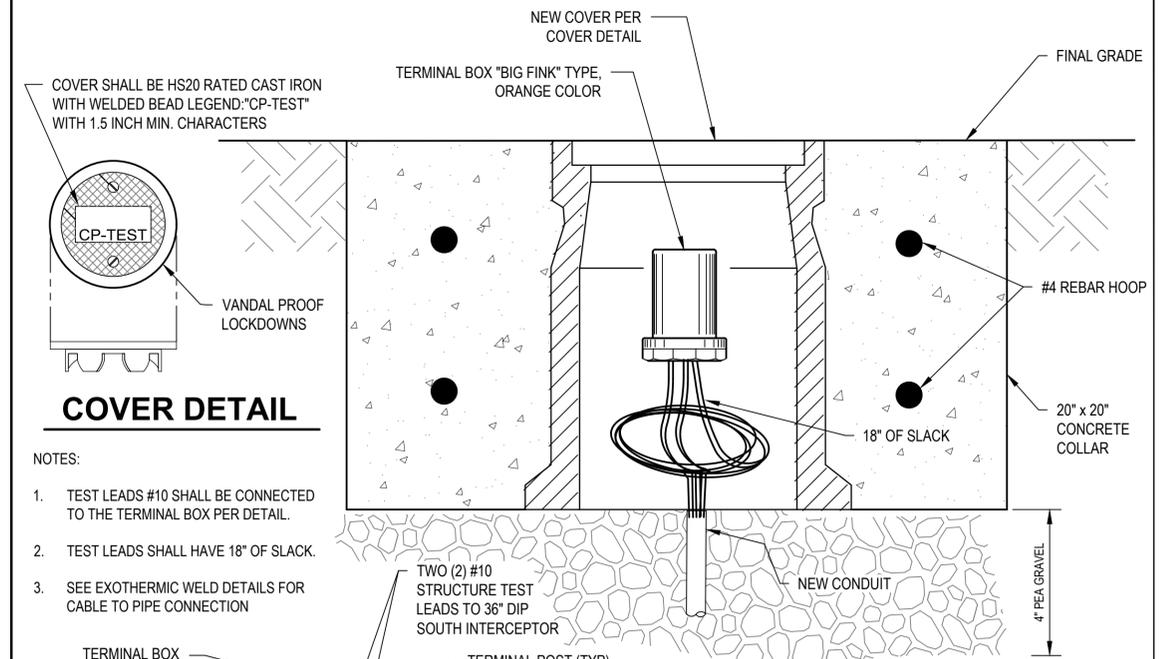
- STEP 1. FILE STRUCTURE CONNECTION AREA (3 INCHES x3 INCHES MINIMUM).
- STEP 2. STRIP INSULATION FROM WIRE. ATTACH SLEEVE (REQUIRED ON #4 AWG WIRE AND SMALLER).
- STEP 3. HOLD MOLD FIRMLY WITH OPENING AWAY FROM OPERATOR AND IGNITE WITH FLINT GUN.
- STEP 4. REMOVE SLAG FROM CONNECTION AND PEEN WELD FOR SOUNDNESS.
- STEP 5. COVER CONNECTION AND EXPOSED STRUCTURE SURFACE WITH AN EPOXY COATING.

NOTES:

- ALL CABLES WELDS SHALL BE MINIMUM 3 INCHES APART.

**3 EXOTHERMIC WELD DETAIL**

CP-501 SCALE: NTS

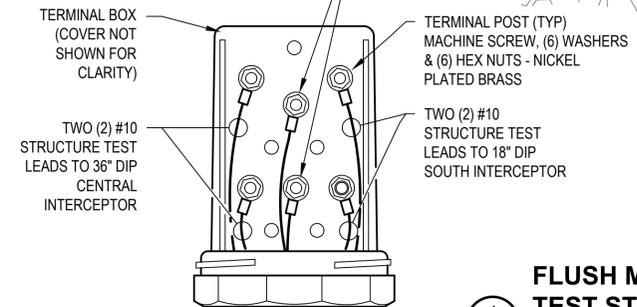


NOTES:

- TEST LEADS #10 SHALL BE CONNECTED TO THE TERMINAL BOX PER DETAIL.
- TEST LEADS SHALL HAVE 18" OF SLACK.
- SEE EXOTHERMIC WELD DETAILS FOR CABLE TO PIPE CONNECTION

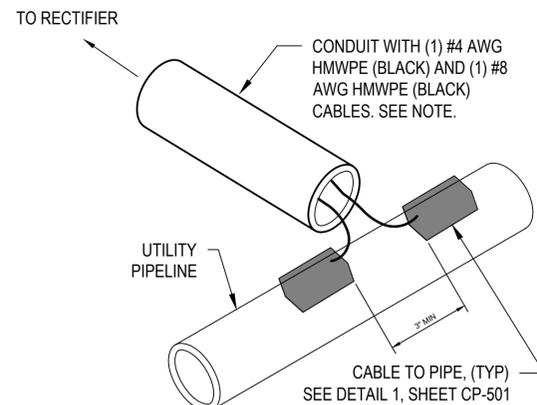
TERMINAL BOX (COVER NOT SHOWN FOR CLARITY)

TWO (2) #10 STRUCTURE TEST LEADS TO 36" DIP CENTRAL INTERCEPTOR



**4 FLUSH MOUNTED MONITORING TEST STATION DETAIL**

CP-501 SCALE: NTS

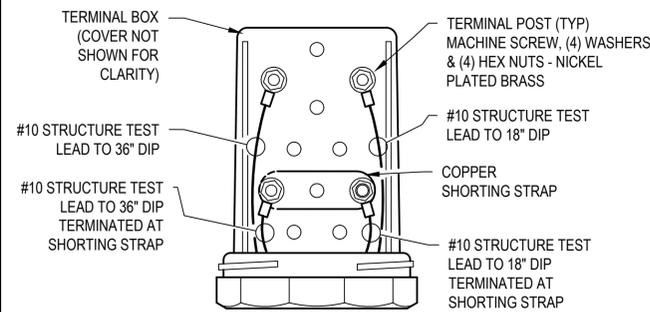


NOTES:

- USE GRS CONDUIT FOR ABOVE-GRADE AND PVC-COATED GRS CONDUIT FOR BELOW-GRADE.

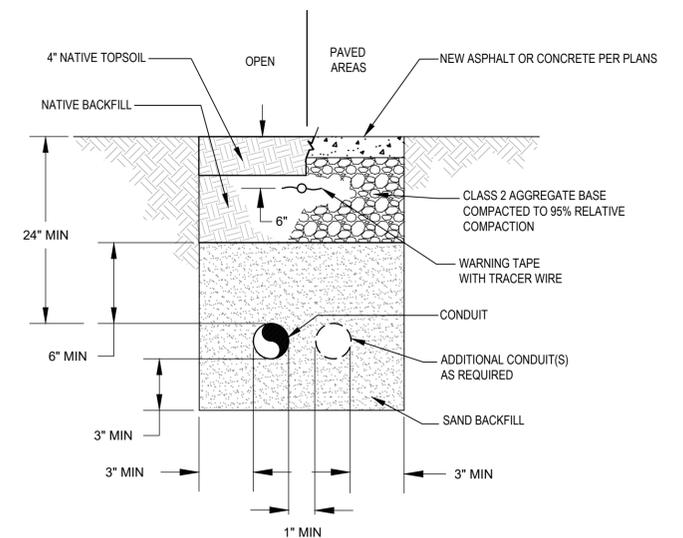
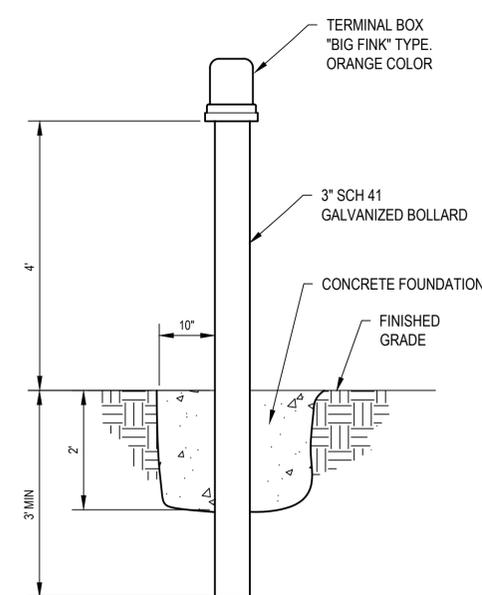
**2 BONDING DETAIL**

CP-501 SCALE: NTS



**5 POST MOUNTED BONDING TEST STATION DETAIL**

CP-501 SCALE: NTS



**6 TYPICAL CONDUIT TRENCH**

CP-501 SCALE: NTS

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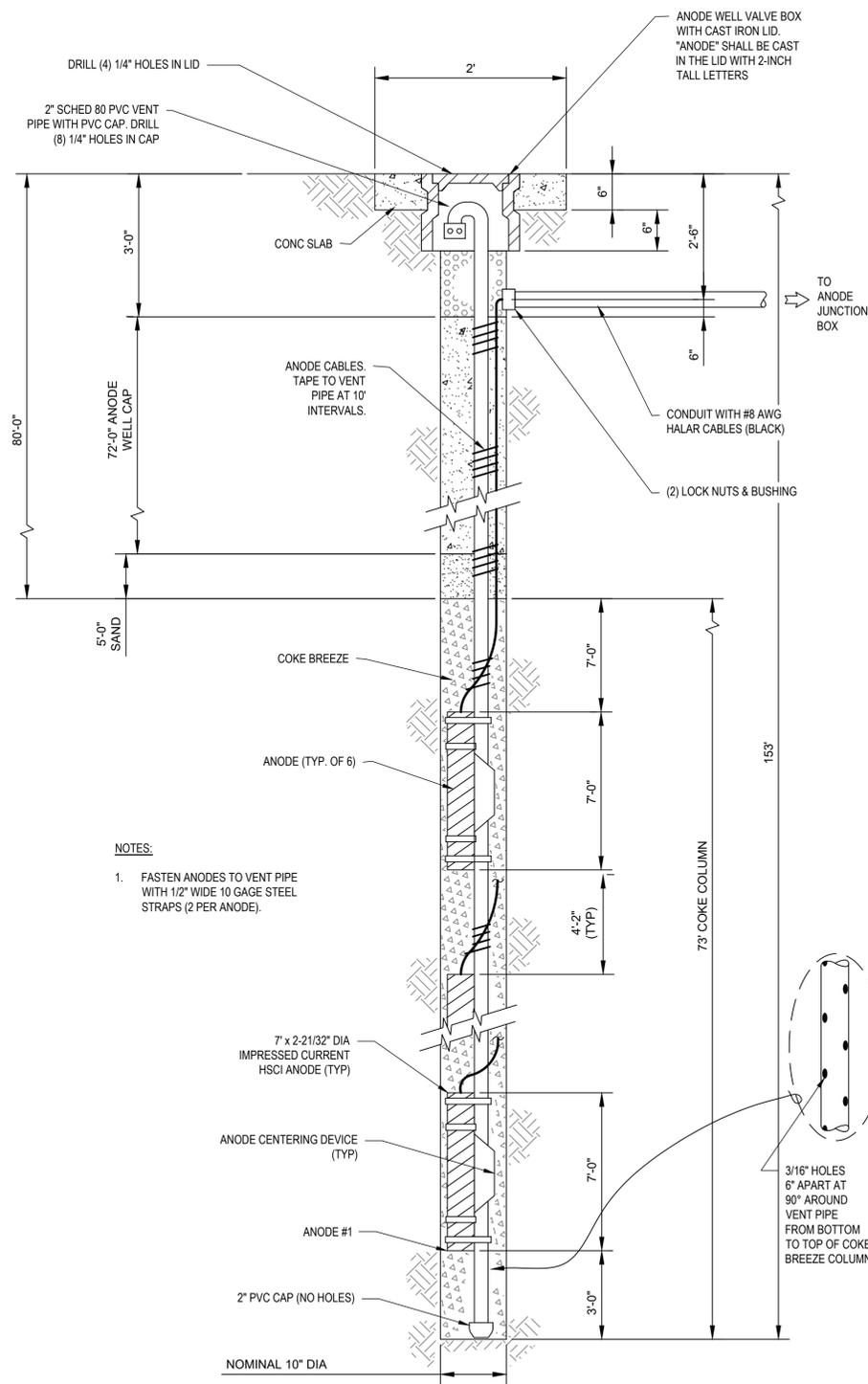
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Project Manager	J.WOLF	Date	9/25/18
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Project	CROSS TOWN INTERCEPTOR CATHODIC PROTECTION SYSTEM MAINTENANCE PROJECT
Title	CATHODIC PROTECTION DETAILS
Project No.	11159141
Original Size	ANSI D
Sheet No.	CP-501
Sheet	10 of 11

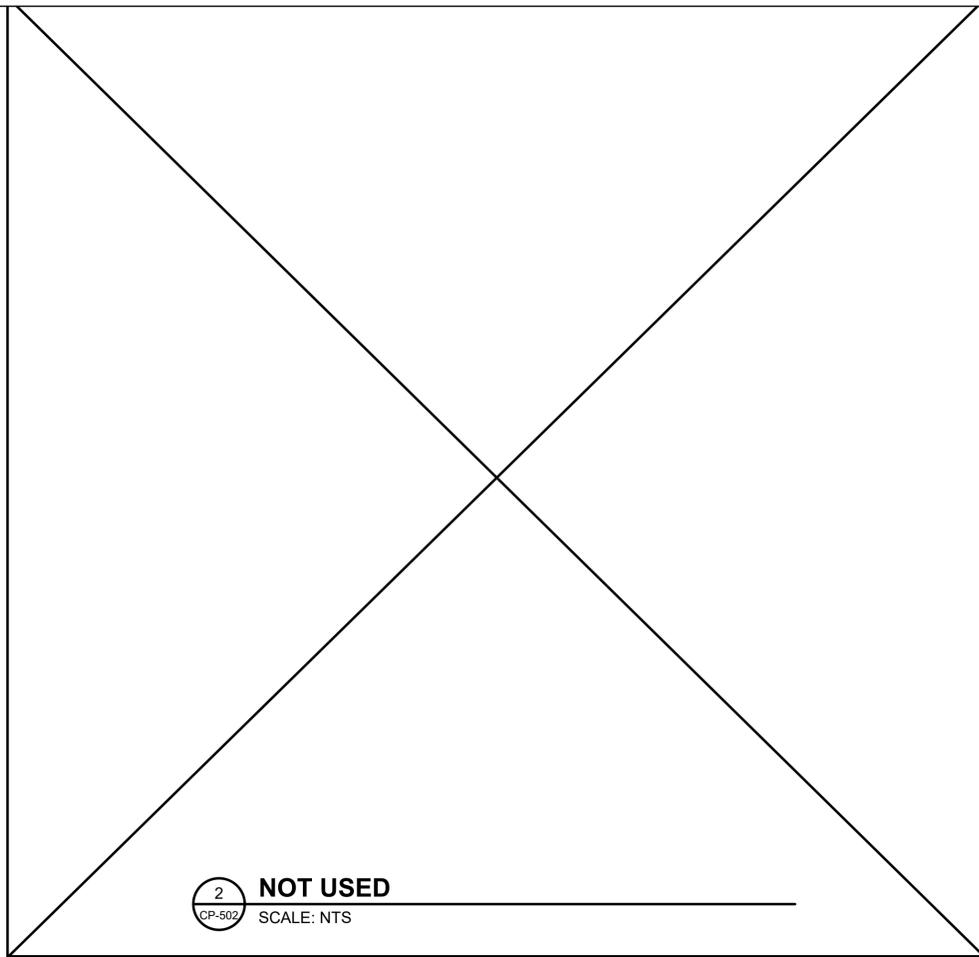


**NOTES:**

- FASTEN ANODES TO VENT PIPE WITH 1/2" WIDE 10 GAGE STEEL STRAPS (2 PER ANODE).

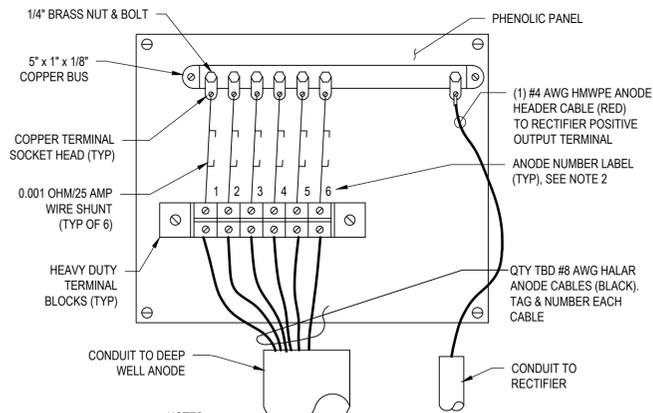
**1 DEEP ANODE WELL DETAIL**

CP-502 SCALE: NTS



**2 NOT USED**

CP-502 SCALE: NTS

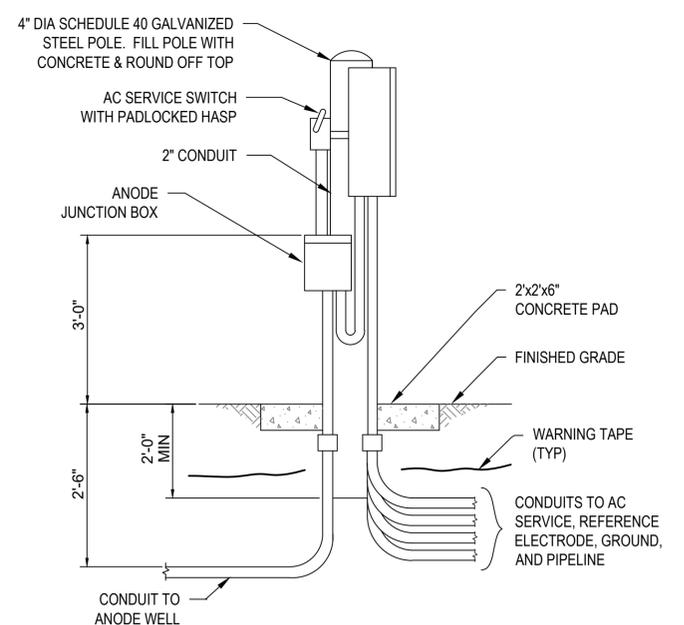


**NOTES:**

- ENCLOSURE COVER NOT SHOWN.
- LABEL EACH SHUNT WITH THE CORRESPONDING ANODE NUMBER.
- USE GRS CONDUIT ABOVE GRADE & PVC-COATED GRS CONDUIT BELOW GRADE.

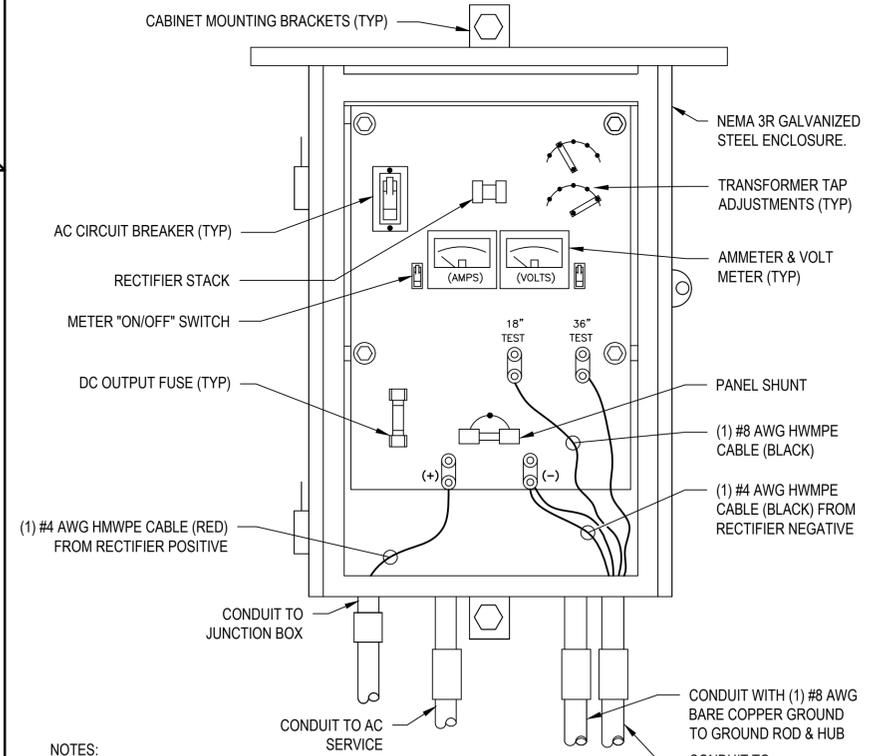
**4 ANODE TERMINAL BOARD DETAIL TO DEEP WELL ANODE**

CP-502 SCALE: NTS



**3 RECTIFIER & ANODE JUNCTION BOX**

CP-502 SCALE: NTS



**NOTES:**

- ENCLOSURE COVER NOT SHOWN FOR CLARITY.
- RECTIFIER UNIT SHALL NOT BE ENERGIZED, EXCEPT FOR TESTING, PRIOR TO ACCEPTANCE TESTING BY THE DESIGNATED ENGINEER.
- TAG AND LABEL AC SERVICE, NEGATIVE, POSITIVE, TEST AND REFERENCE ELECTRODE CABLES.
- USE GRS CONDUIT FOR ABOVE-GRADE AND PVC-COATED GRS CONDUIT FOR BELOW-GRADE.

**5 RECTIFIER DETAIL**

CP-502 SCALE: NTS

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Title	CATHODIC PROTECTION DETAILS
Project No.	11159141
Original Size	ANSI D
Sheet No.	CP-502
Sheet	11 of 11