

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HARBORS DIVISION

ADDENDUM NO. 1

FOR

**REPAIRS AT
KAUNAKAKAI HARBOR, MOLOKAI, HAWAII
JOB S30225**

February 10, 2023

This Addendum shall make the following amendments to the bid documents:

I. NOTICE TO BIDDERS

- A. Prospective bidders are hereby notified that the receiving of sealed bids, scheduled for February 14, 2023, at 2:00 p.m. is HEREBY POSTPONED until **February 24, 2023, at 2:00 p.m.** The attached Notice to Bidders dated r2/10/2023 shall be incorporated and made a part of the original Notice to Bidders.

II. SPECIFICATIONS

A. ARTICLE XIII - FENCE REPAIRS

1. Delete ARTICLE VIII – FENCE REPAIRS in its entirety and replace with the attached ARTICLE VIII – FENCE REPAIRS dated r2/10/2023.

B. ARTICLE XV - PAINTING

1. Delete ARTICLE XV - PAINTING in its entirety and replace with the attached ARTICLE XV - PAINTING dated r2/10/2023.

III. PLANS

- A. Delete sheets 2 and 3 and replace with the attached revised sheets 2 and 3.

The following is provided for information:

IV. PRE-BID MEETING

- The pre-bid meeting was held on January 31, 2023. No prospective bidders attended.

Kindly acknowledge receipt of this Addendum No. 1 by recording the date of its receipt in the space provided therefore on page P-4 of the PROPOSAL.


DREANALEE K. KALILI

Deputy Director

Department of Transportation, Harbors Division

NOTICE TO BIDDERS
(Chapter 103D, Hawaii Revised Statutes)

The receiving of SEALED BIDS for REPAIRS AT KAUNAKAKAI HARBOR, MOLOKAI, HAWAII, JOB S30225, will begin as advertised in HiePRO. Bidders are to register and submit bids through HiePRO only. See the following HiePRO link for important information on registering: <https://hiepro.ehawaii.gov/welcome.html>.

Plans, specifications, proposal, contract forms, and any other applicable documents may be obtained from HiePRO.

Deadline to submit bids scheduled for February 14, 2023, at 2:00 p.m. Hawaii Standard Time (HST), is HEREBY POSTPONED until **February 24, 2023, at 2:00 p.m. HST**. Bids received after said due date and time shall not be considered.



DREANALEE K. KALILI
Deputy Director
Department of Transportation, Harbors Division

ARTICLE XIII – FENCE REPAIRS

13.1 GENERAL - The work to be done under this Article consists of furnishing all labor, materials, equipment and other expenses necessary to remove the existing chain link fencing and personnel gates and install new PVC coated chain link fencing and gates at the ferry terminal area, Kaunakakai Harbor.

13.2 MATERIALS

- A. Chain link fabric for all fencing shall be PVC coated, zinc coated, steel wire. The wires used in the fabric shall be nine gauge with a zinc coating of 0.30 ounces per square foot minimum. Mesh size shall be two inches. The PVC coating shall be applied by thermal fusion bonding and shall have a minimum thickness of seven mils. The color of the PVC coating shall be dark green. The minimum breaking strength of the zinc coated wire shall be 1,200 pounds. The mesh shall be woven with twisted and barbed selvage at both top and bottom. Fabric shall comply with ASTM F-668 Class 2.b.
- B. Posts, gate frames, top rails and braces shall be fabricated from Schedule 40 galvanized steel pipe conforming to ASTM F-1083. All steel pipes shall be coated on the exterior surfaces with paint conforming to the requirements in Article XV- PAINTING. The PVC coating shall be a minimum of 10 mils thick and the color of the coating shall be dark green.
- C. Fittings shall be pressed steel or cast iron and painted as described in Article XV - PAINTING. All posts shall be fitted with approved tops and barb arms designed to fit securely over the posts, and the top rail shall pass through the base of these tops. All components of the fence except for the fabric, barbs, bolts, washers and nuts shall be prepared and painted as described in Article XV - PAINTING. Fittings shall comply with ASTM F-626. Bolts, washers and nuts shall be stainless steel, Type 316.
- D. Barbed wires shall consist of 3-12 1/2-gauge galvanized wire with 14 gauge, 4-point barbs spaced approximately 5 inches apart. Strands (except barbs) shall be coated with a seven-mil minimum thickness PVC coating. Barbed wire shall conform to the requirements of ASTM A-121.
- E. Tension wire shall be nine-gauge galvanized steel wire with a 0.30 ounces per square foot minimum weight of zinc coating. The wire shall be coated with a seven mil minimum thickness PVC coating.
- F. Tie wire shall be nine-gauge galvanized steel wire with a 0.30 ounces per square foot minimum weight of zinc coating. The wire shall be coated with a seven-mil minimum thickness PVC coating. The tie wires shall be spaced on line posts at intervals of approximately 14 inches, and on top rails, brace rails and tension wires at intervals of approximately 24 inches.

- G. Fence post straps, gate post and frame hinges, and fence gate fork latch, shall consist of galvanized steel and conform to the requirements for Schedule 40 galvanized steel. Anchor bolt fasteners shall be Type 316 stainless steel, ASTM A193 Grade B8M and sized accordingly.
- H. Non-Shrink Grout - Non-shrink grout for filling of exposed bolt holes shall be a high performance, non-metallic, cementitious grout, "SikaGrout 212" as manufactured by Sika, "FX-225 Non-Shrink Grout" as manufactured by Simpson Strong-Tie or approved equal.

13.3 CONSTRUCTION

- A. The existing chain link fencing and personnel gate including posts and signs shall be removed up to the locations as specified on the drawing. The Construction Engineer shall designate which components are to be salvaged including the existing signs. The salvaged components shall be carefully disassembled and delivered to and stored in an area designated by the Construction Engineer. All other removed materials shall be properly and lawfully disposed of by the Contractor away from the project site.
- B. The Contractor shall core new holes in the existing concrete wall face to accommodate the new fence post straps. In coring new holes in the existing concrete face, the Contractor shall avoid damaging existing steel reinforcement and prevent debris from falling into harbor waters. The new holes shall be offset from the existing fence posts and shall be determined in the field by the Construction Engineer. The remaining bolts shall be removed if damaging the existing wall face is not required, otherwise cut the bolt below wall face surface and completely fill with new epoxy grout and finished flush with the existing wall face. The new fence posts shall be secured to the existing concrete face with the new galvanized steel post straps as shown on the drawing.
- C. The new fence post straps shall be fabricated according to the dimensions shown on the drawing.
- D. The new personnel gates including new fence panels, latches, and hinges shall be fabricated as shown on the drawing. Welding shall be in accordance with the latest standards of the American Welding Society. All components of the fence except for the barbs, bolts, washers and nuts shall be prepared and painted as described in Article XV - PAINTING.
- E. The new chain link fence and gates shall be installed in accordance with Section 607 of the Standard Specifications. The new chain link fabric, tension wires, eye tops with barb arms, and barbed wires shall be installed using tie wires and new posts and top rails. Installation shall include new connecting hardware such as truss rods and tighteners, tension bars, tension bands, bolts, washers, nuts, etc.

- F. The new fence gate fork latch shall fit securely onto the new 1-7/8" fence gate frame and the fork shall straddle the adjacent fence gate post as designed when closed. If the new latch does not include a locking mechanism or facilitate a padlock, a separate security hasp is to be installed. The security hasp shall require a locking mechanism or facilitate a padlock.
- G. For the chain link gate post and gate frame hinges, the pin size connecting the two hinges shall be 5/8" O.D. and the nut & bolt shall be 3/8" 16 course thread. The size of the existing gate post shall be measured in field and a proper sized hinge shall be attached to facilitate the freely moving and complete opening of the new gate. All components of the fence except for the barbs, bolts, washers and nuts shall be prepared and painted as described in Article XV - PAINTING.
- H. Existing signs shall be reinstalled in their previous locations and fastened with appropriate stainless-steel hardware.
- I. New uncoated fence members shall be prepared and painted as described in Article XV – PAINTING.

13.4 PAYMENT- Payment for fence repairs shall be made as described in Article X of these Specifications.

ARTICLE XV – PAINTING

15.1 GENERAL - The work to be done under this Article consists of surface preparation and painting of the exterior surfaces of the new gate frame surfaces and new pavement markings as indicated on the drawing and as specified.

15.2 SCOPE OF WORK – The work includes preparing for painting and painting all exposed exterior surfaces of the following:

- A. All exterior surfaces of the new gate frames and fence components excluding the fabric, barbs, bolts, washers and nuts.
- B. All “YB” circular logo pavement markings on new pavement areas. Information can be found in Article XVI – PAVEMENT MARKINGS.

15.3 COLOR SELECTION – The color of the finish paint for the new metal gate frame exterior surfaces to be prepared and painted shall match the existing color of adjacent or similar fencing on-site and be approved by the Construction Engineer.

15.4 MATERIALS – All paints shall be delivered to the site in the manufacturer's sealed containers. Each container shall be labeled by the manufacturer with the label showing name, brand, type of paint, color of paint, and the manufacturer's instructions for reducing consistency. The painting materials shall be the following or approved equal.

- A. Pre-Treatment – Pre-treatment shall be a concentrated water-based surface cleaner low in odor, non-flammable and biodegradable, "Prep 88" as manufactured by PPG or approved equal.
- B. Prime Coat – The prime coat shall be a high performance, chemical cured, epoxy rust inhibitive primer, "Amercoat 240 Universal Epoxy Primer" as manufactured by PPG or approved equal.
- C. Finish Coat – The finish coat shall be a high performance, two-component, chemically cured aliphatic polyurethane paint, gloss finish, capable of being applied at a dry film thickness of three mils per coat, "Amercoat 450H" as manufactured by PPG or approved equal.

15.5 MATERIAL SUBMITTALS – The Contractor shall submit for approval one copy in PDF format of catalog cuts of the painting materials it proposes to furnish for this project.

15.6 SURFACE PREPARATION

- A. All new metal surfaces to be painted shall be thoroughly cleaned of grease, dirt and other foreign material by the use of chemical cleaning. Surface preparation shall conform to SSPC-SP-1, Chemical Cleaning. Rinse surfaces thoroughly and allow to dry. Rinse discharge should be properly contained.

- B. All existing metal surfaces to be painted shall be thoroughly cleaned of all grease, dirt, oil, and other foreign material by the use of chemical cleaning. Surface preparation shall conform to SSPC-SP-1, Chemical Cleaning. Rinse surface thoroughly and allow to dry. Rinse discharge should be properly contained.

15.7 PAINTING SCHEDULE

- A. All new metal surfaces shall be painted with one pre-treatment coat of the material specified in paragraph 15.4.A, one prime coat of the material specified in paragraph 15.4.B, and two finish coats of the material specified in paragraph 15.4.C.
- B. All existing metal surfaces shall be painted with one prime coat of the material specified in paragraph 15.4.B and one finish coat of the material specified in paragraph 15.4.C.

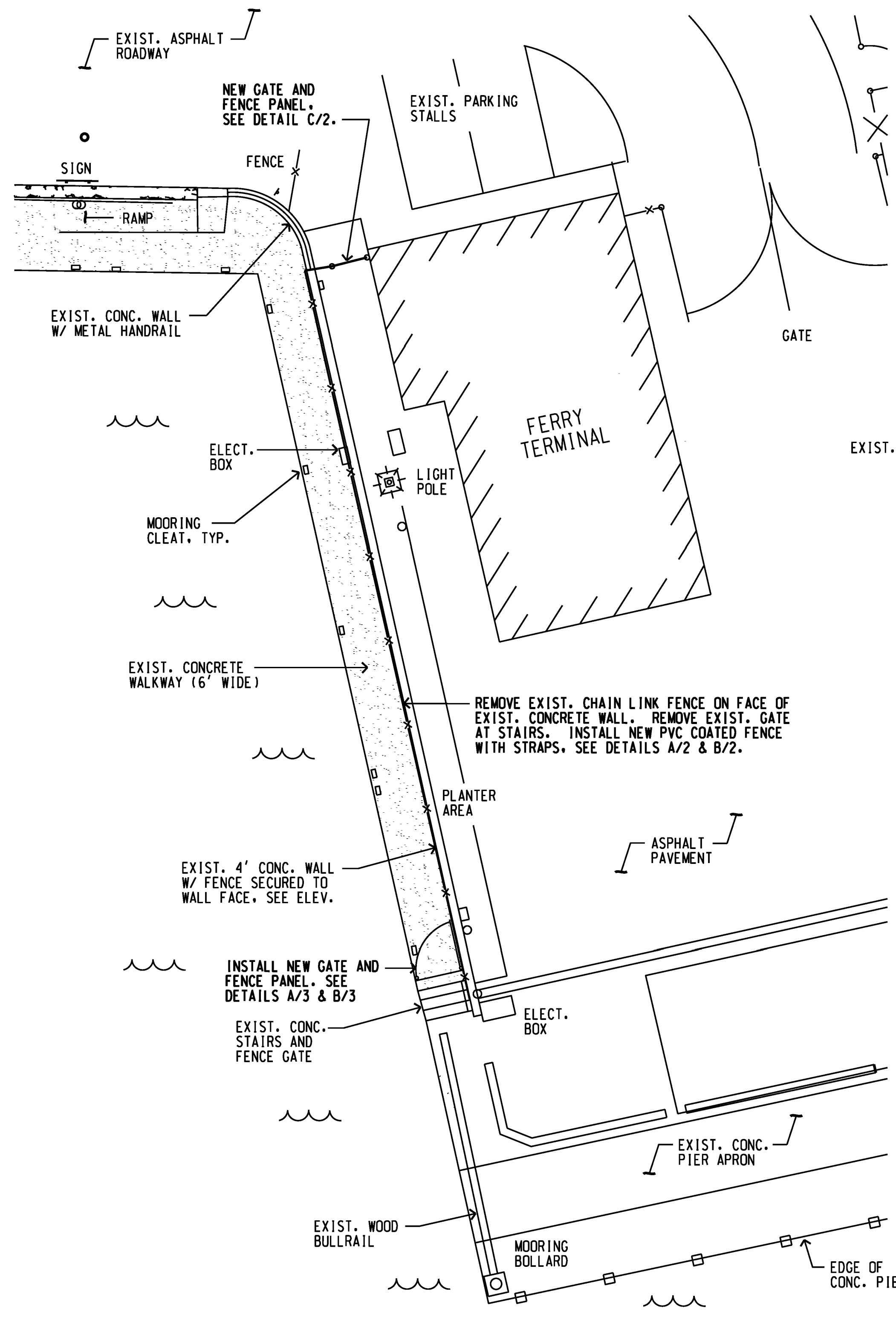
15.8 PAINT APPLICATION

- A. All surfaces to be painted shall be properly prepared prior to painting and shall be inspected for approval by the Construction Engineer before painting will be allowed. All painting materials shall be mixed and applied in accordance with the manufacturer's instructions.
- B. The time interval between each coat of paint shall be as recommended by the manufacturer. The prime coat shall be of a lighter color than the finish coat.
- C. Prime and finish coats shall be applied by brush or roller. No spraying at the project area will be allowed.
- D. The prime coat for new metal surfaces shall be applied at a rate to produce a dry film thickness of at least four mils. The finish coat shall be applied at a rate to produce a dry film thickness of three mils per coat. The finish dry film thickness of the three-coat system for new and existing metal surfaces shall be at least 10 mils.
- E. The prime coat for existing metal surfaces shall be applied at a rate to produce a dry film thickness of at least four mils. The finish coat shall be applied at a rate to produce a dry film thickness of three mils per coat. The finish dry film thickness of the two-coat system for existing metal surfaces shall be at least seven mils.
- F. Finish work shall be uniform and of approved color. The finish coat shall completely cover, be smooth and be free from runs, sags, drips, waves, laps or brush marks. Edges of paint adjoining other surfaces or materials shall be sharp and clean without overlapping.

15.9 CLEAN-UP

- A. All paint, oil, etc. shall be cleaned off of pavement, floors, fixtures, fences or any portion of the project site where paint has splashed or been spilled.
- B. All unused rags, waste, and empty containers shall be removed from the work area at the end of each workday and precautions shall be taken to avoid the danger of fire.
- C. The Contractor shall maintain the job site in a neat and orderly condition during the progress of the work. Upon completion the Contractor shall remove all surplus material, debris, equipment, tools, etc. belonging to it and leave the premises in a neat and orderly condition.

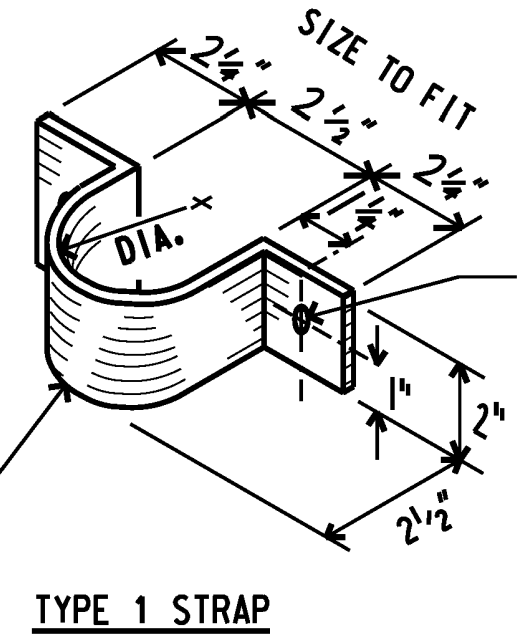
15.10 PAYMENT – Payment for painting shall be made as specified in Article X of these Specifications.



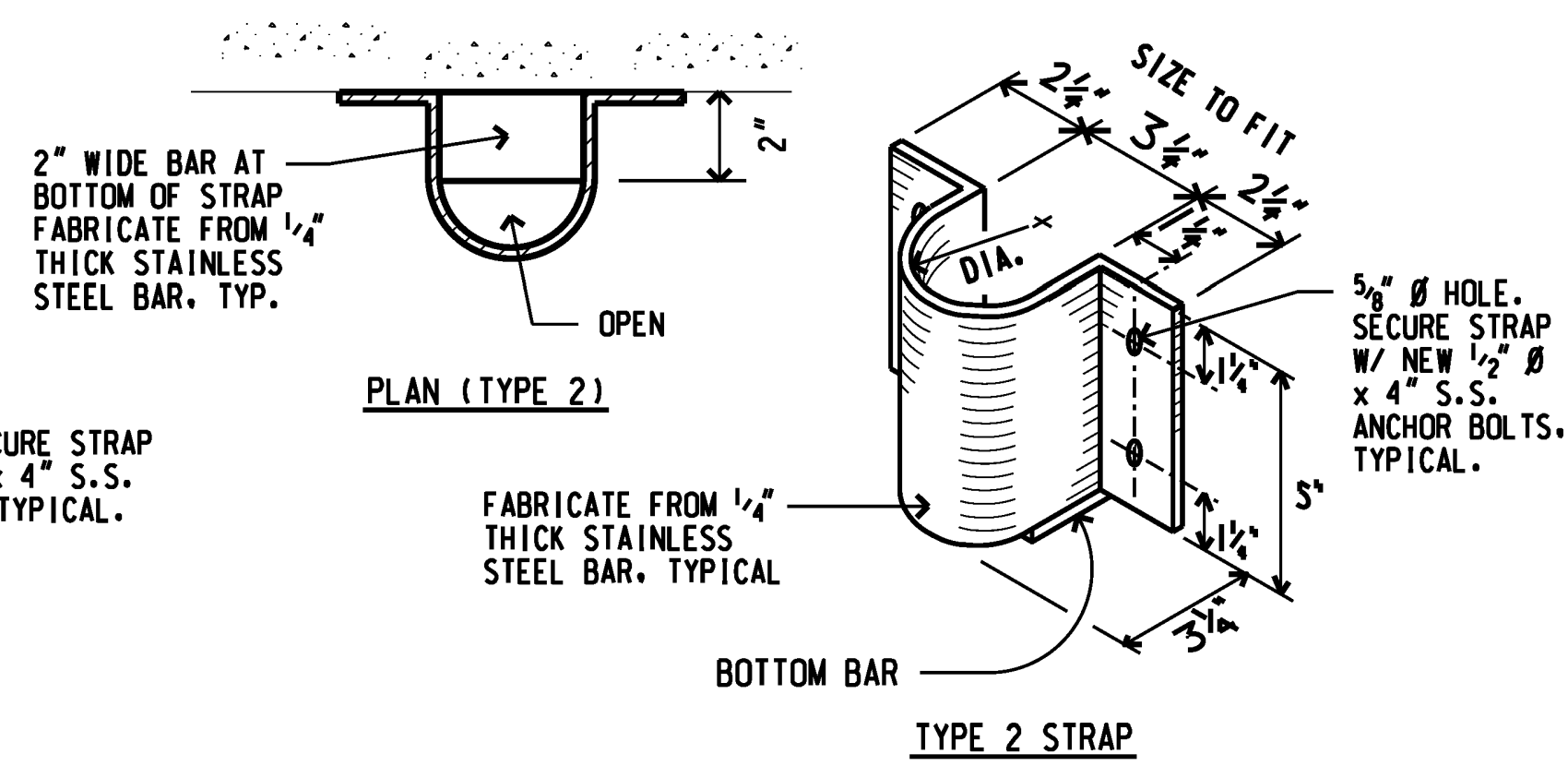
PARTIAL SITE PLAN
SCALE: 1" = 10'

NOTE: TYPE 2 STRAP FOR END POST SHALL BE FABRICATED AS SHOWN BELOW. TYPE 2 STRAP FOR LINE POSTS SHALL HAVE 2 1/2" DIAMETER TO FIT NEW 2 3/8" DIAMETER LINE POST. A BOTTOM BAR SHALL BE ATTACHED TO SECURE NEW FENCE POST IN PLACE AND PREVENT POST FROM DOWNWARD MOVEMENT.

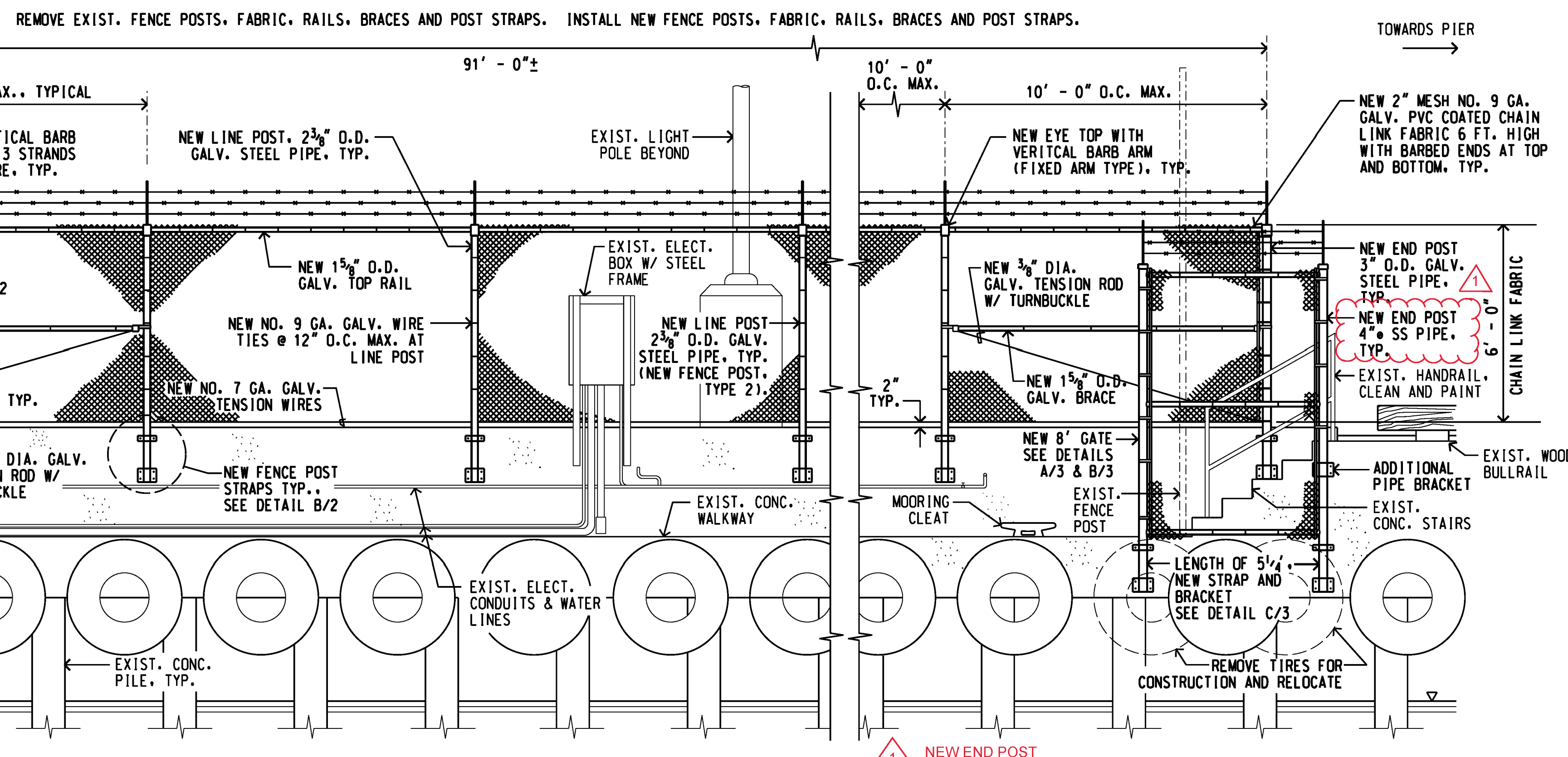
PIPE DIAMETER	STRAP DIAMETER
2 3/8"	2 1/2"
3"	3 1/4"
4"	4 1/4"



B NEW FENCE POST STRAP DETAILS
NOT TO SCALE



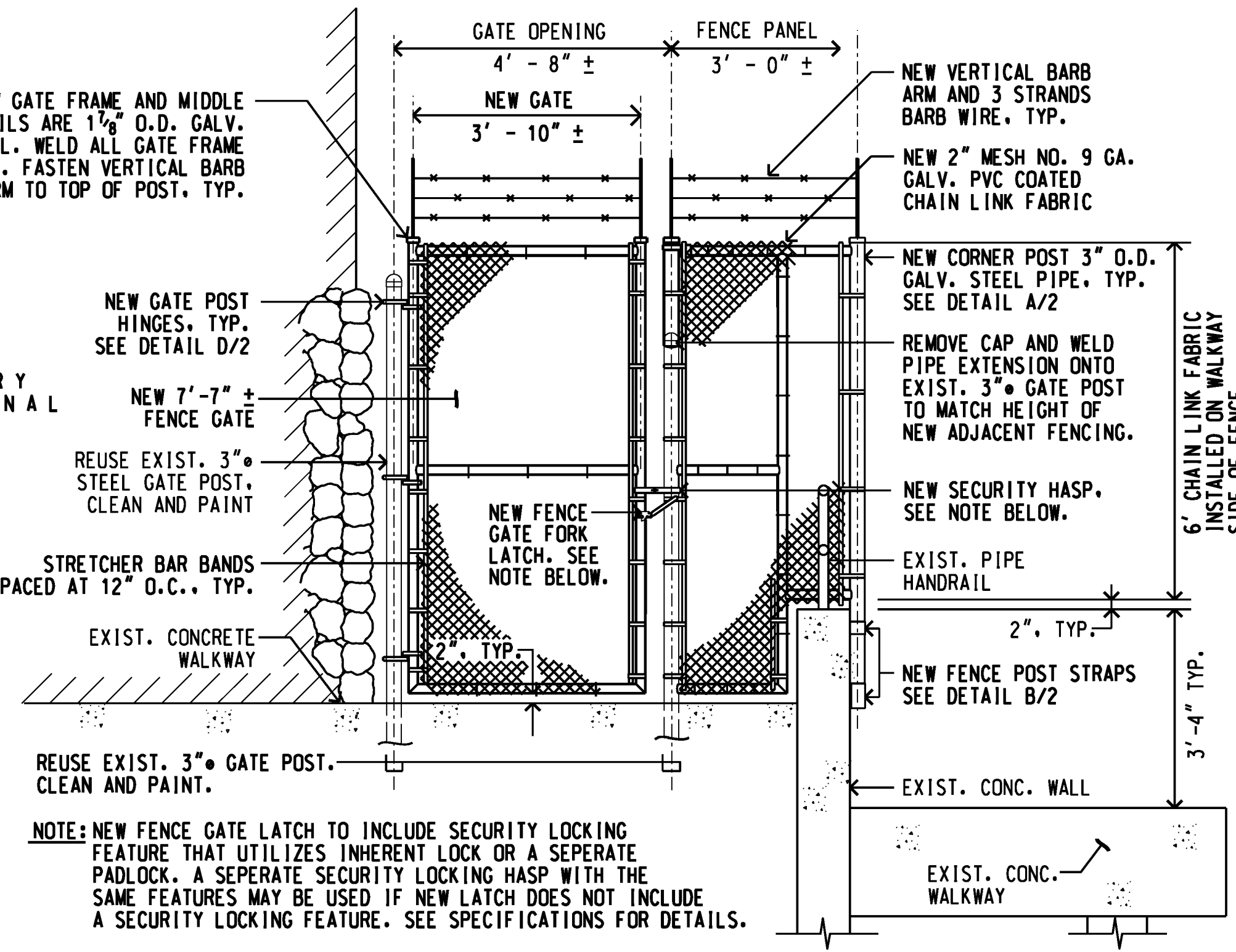
TYPE 2 STRAP



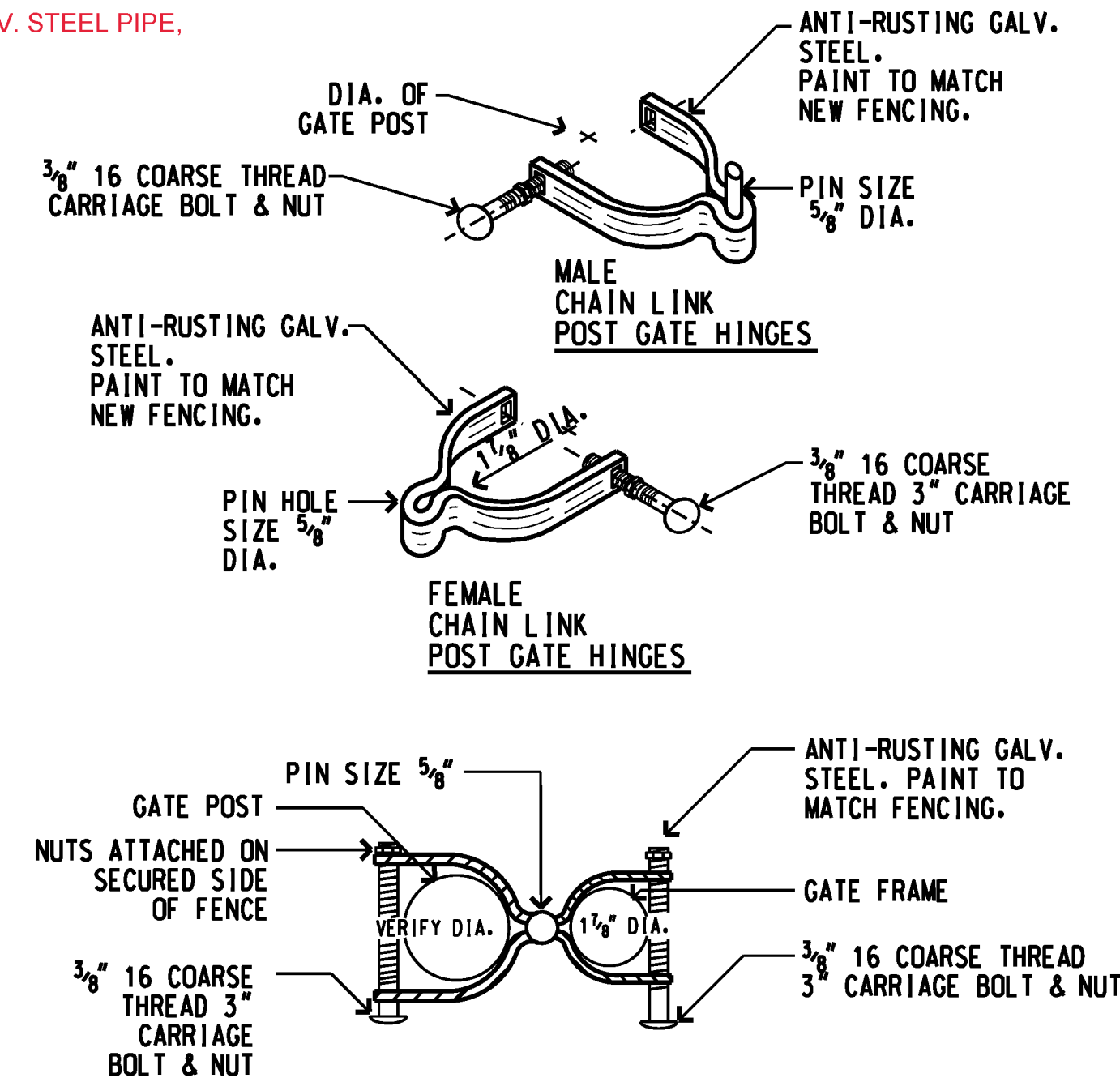
NOTE: ALL NEW FENCE COMPONENTS INCLUDING: POSTS, CHAIN LINK FABRIC, FITTINGS, BARB WIRE, BARB WIRE ARMS, STRETCHER BARS AND BANDS, TENSION WIRE, TIE WIRE, TENSION ROD, ETC. SHALL BE PVC COATED. NEW PVC COATING SHALL BE SEVEN (7) MIL MINIMUM THICKNESS. REMOVE AND REINSTALL EXISTING SIGNS. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.

A NEW FENCE AT CONCRETE WALKWAY
SCALE: 3/8" = 1' - 0"

NOTE: CONTRACTOR SHALL REUSE EXISTING GATE POSTS AS SHOWN ON THE DRAWINGS. CONTRACTOR SHALL ADJUST NEW GATE HEIGHT TO MATCH FINISH ELEVATION OF NEW ADJOINING FENCE.



C NEW GATE & FENCE PANEL DETAIL
SCALE: 1/2" = 1' - 0"



D NEW FENCE POST HINGE DETAILS
NOT TO SCALE

REV	DATE	DESCRIPTION	BY	APPROVED
2/7/2023		ADDENDUM NO. 1	JM	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HARBORS DIVISION

JOB TITLE
REPAIRS AT KAUNAKAKAI HARBOR
KAUNAKAKAI HARBOR, MOLOKAI, HAWAII

SHEET TITLE
PARTIAL SITE PLAN, NEW FENCE ELEVATION STRAP DETAILS

SUBMITTED BY: *Carol Johnson* SECTION HEAD
RECOMMENDED BY: *John Smith* ENGINEERING PROGRAM MANAGER

DESIGNED BY: JM APPROVED BY: *John Smith*
DRAWN BY: JM FOR HARBORS ADMINISTRATOR
CHECKED BY: AF
DATE: DEC. 2022 JOB NUMBER
SCALE: AS SHOWN

S 30225

2 OF 3 SHEETS

