

UNCLASSIFIED



BUILDING 930
REPAIR CONDUIT AND BOXES

At the

Joint Expeditionary Base Little Creek/Fort Story,
Fort Story Annex
Virginia Beach, Virginia

PREPARED BY:

NAVFAC MID-ATLANTIC, PWD Little Creek/Fort Story, FEAD FSC PRL23,
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PREPARER(S) :

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SUBMITTED BY:

Facilities Support Contracts Branch Head:
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APPROVED BY:

PRL1 Facilities Management Division Director: Craig Machmer

1. POINTS OF CONTACT:

FEAD Contracting Officer:	Kate Dinneen, (757) 462-5347
FEAD Contract Specialist in charge:	TBD
FEAD Engineering Technician:	TBD
Facility Maintenance Specialist (FMS):	Hugh Small, (757) 348-2591
Activity POC (if applicable):	Donald Bryant, (757) 407-6471

2. GENERAL:

- 2.1 The Contractor shall provide supervision, labor, material and equipment required to perform all work for the following project: Repair Conduit and boxes. All work shall be done in a manner to provide a complete, usable and finished end product. See paragraph “**7. WORK REQUIREMENTS**” for an expanded and detailed scope of work.
- 2.2 The Contractor shall comply with the requirements of the most current Contract as prescribed by the Contracting Officer for use on this contract.
- 2.3 A Pre-Proposal site meeting shall be held at the project site to review and discuss the scope of work and assess existing field conditions, prior to Award of this Task Order. The Contractor and his key personnel involved with the project shall attend with the Government. Coordinate/schedule the date and time with the Contracting Officer’s approval.
- 2.4 Existing reference drawing CD’s are available upon request. Reference drawings shall be used for informational purposes only, and may not accurately reflect current as-built conditions. The Contractor must not solely rely on the reference drawings to determine existing conditions, but must field verify all existing conditions pertinent to the project.
- 2.5 All work shall be performed in accordance with, but not limited to, standard industry practices, applicable local, state and federal codes, laws and regulations, and the Unified Facilities Criteria (UFC’s).
- 2.6 **FOR PROJECTS INVOLVING LESS THAN 10,000 SQUARE FEET OF LAND DISTURBANCE, OR WHEN NO LAND DISTURBANCE PROPOSED BUT POTENTIAL FOR STORMWATER POLLUTION STILL PRESENT (I.E. Painting, Service Connections, Minor building renovations, hazardous material abatement etc.):** The contractor must utilize best management practices to ensure materials (Paints, Solvents, Petroleum Products, Trash, Sediment...Etc.) associated with this activity do NOT become a pollutant in storm water runoff. The Contractor shall keep a spill kit on hand in case of any equipment failure, hydraulic line break, etc. if heavy equipment will be used for this project. No discharges to the sanitary sewer system, storm system or surface waters are permitted without prior coordination with, and approval from the Water Program Manager! Concrete mixing and/or pouring must be done in a way to prevent entry to storm water conveyances or surface waters. Notify NAVFAC EV-Environmental immediately of any spills (anything other than storm water) to the storm system as well as any spills to any sewer system since notifications will need to be made to the regulatory authorities within 24 hours of discovery.
- 2.7 Supervision: Have a Supervisor fluent in English on the job site during working hours at all times. The Supervisor shall be a United States Citizen or a Documented Legal Resident of the United States of America.

- 2.8 The Contractor shall indicate in his proposal, unit prices for the following selected work. The unit prices shall be held as the fixed bid prices, in the event that actual quantities change (increase or decrease):

	Estimated Quantity	Unit Price	Total Amount
1" Rigid Conduit <u>Corrosion Resistant</u> (Paragraph 7.15)	_____	_____	_____
2" Rigid Conduit <u>Corrosion Resistant</u> (Paragraph 7.15)	_____	_____	_____
Fiber Optic Cable <u>Direct Replacement</u> (Paragraph 7.9)	_____	_____	_____

3. SPECIAL SCHEDULING REQUIREMENTS/WORK PROCEDURES:

- 3.1 The project Contract Completion Date **(CCD) shall be 365 calendar days** from Award of this Task Order.
- 3.2 The existing space/room in the area of work, shall remain occupied and in operation during the entirety of this project. Existing and adjacent spaces to remain in operation during construction shall be protected from damage, dust, and debris at all times. Damage to any existing spaces, finishes, items, furniture and equipment, as a result of the Contractor's operations, shall be replaced in-kind by the Contractor at no expense to the Government.
- 3.3 UTILITIES LOCATION AND VERIFICATION (Exterior): Prior to digging, the appropriate digging permit must be obtained. **All underground utilities in the work area must be positively identified by a private utility locating service in addition to any station locating service and coordinated with the station utility department, prior to any digging.** Any markings made during the utility investigation must be maintained throughout the contract. The Contractor must physically verify underground utility locations by hand digging using wood or fiberglass handled tools when any adjacent construction work is expected to come within three feet of the underground system. Digging within 2 feet of a known utility must not be performed by means of mechanical equipment; hand digging shall be used. If construction is parallel to an existing utility expose the utility by hand digging every 100 feet if parallel within 5 feet of the excavation.
- 3.4 Pre-Outage Coordination Meeting:
Apply for utility outages at least 15 days in advance to the Contracting Officer. As a minimum, the request must include the location of outage, utilities being affected, duration of outage and any necessary sketches. **Any/all utility outage requests must be approved by the Contracting Officer prior to starting the work.** Once approved, and prior to beginning work on the utility system requiring shut down, attend a pre-outage coordination meeting with the Contracting Officer to review scope of work and the lock-out/tag-out procedures for worker protection. No work will be performed on energized electrical circuits unless proof is provided that no other means exist.
- 3.5 Control of Hazardous Energy (Lock-out/Tag-out):
Provide and operate a Hazardous Energy Control Program (HECP) in accordance with EM 385-1-1 Section 12, 29 CFR 1910.333, 29 CFR 1915.89, and paragraph HAZARDOUS ENERGY CONTROL PROGRAM (HECP).

- 3.6 In general terms, demolition work and the use of word “demolish”, shall include the removal and effective management and disposal of existing construction and or structures. Contractor shall take care to prevent damage to existing utilities and construction that are not scheduled for demolition. If damage occurs, the Contractor shall make repairs, or replacement with new, to the satisfaction of the Contracting Officer and at no cost to the Government. Selling of demolished or salvaged materials and equipment on government properties is prohibited.
- 3.7 Work Hours: The Contractor’s normal working hours shall be between 0730 to 1600, Monday through Friday, excluding Federal Holidays and other days specifically designated by the Contracting Officer. Advance approval from the Contracting Officer is required for contractor personnel to work outside of normal working hours. Any/all Contractor’s requests to work outside of normal working hours must be given to the Contracting Officer in a form of a written request, occurring no less than 5 calendar days prior to such work, to allow for appropriate approvals and inspections process. The written request must include as a minimum, the specific dates, hours, location, type of work performed, and contract personnel performing the work. Based on the written request, the Contracting Officer, at his discretion, may approve or disapprove the work outside of normal working hours.
- 3.8 Access to construction work areas shall be limited to the Contractor’s personnel, or other approved personnel as designated by the Contracting Officer. Construction work areas shall have complete and secure separation from adjacent occupied areas, as approved and directed by the Contracting Officer and Activity’s Security Officer. For arranging a lay down area for storage for materials on site, meet with Range Manager John Hulett or Matt Molnar in B931. They will show you available locations. If power is needed and is not available in prearranged lay down area or nearby, a generator will be required.
- 3.9 Passes and Badges: All Contractor employees, including subcontractors, and subcontractors’ employees, suppliers, and suppliers’ employees shall be required to comply with the Installation Security Requirements regarding personnel, vehicle, equipment, security passes/badges and access to the jobsite. Nothing in the contract shall be construed in any way to limit the authority of the Commanding Officer to prescribe new, or to enforce existing security regulations governing the admission or exclusion of persons and the conduct of persons while aboard the station, including but not limited to, the rights of search of all persons or vehicles aboard the station. All Contractor employees/subcontractors shall have current and valid government issued Contractor Base Access Passes and Badges, in order to perform work under this contract.

Coordinate with the Contracting Officer for other specific security and access requirements. DBIDS for base access is required. Once at SATEC, check in with the personnel in B931. They will guide and direct you from there.

- A. Access to Buildings/ Occupied Buildings: The Contractor may work in or around existing occupied buildings. It shall be the Contractor’s responsibility, through the Contracting Officer, to obtain access to building and facilities and arrange for them to be opened and closed. Do not enter the building(s) without prior approval of the Contracting Officer. The existing buildings and their contents shall be kept secure at all times. Provide temporary closures as required to maintain security. Contract personnel will not be permitted in security-regulated buildings or areas unless cleared by the Security Officer.
- B. Passes and Badges: Contractor employees and representatives performing work under this contract are required to be either United States Citizens or Documented Legal Residents, status of which, MUST be verified/confirmed by the Prime Contractor. All Contractor employees shall obtain the required employee and vehicle passes/badges. Each employee

shall wear the government issued badge, AT ALL TIMES, over the front of the outer clothing for awareness and visibility. Failure to obtain government issued security and base access passes/badges shall result in the revocation of the Prime Contractor's Base Access Contractor Passes/Badges, at the sole discretion of the Contracting Officer and/or the Installation Security Officer. The Prime Contractor is totally responsible to instruct/verify/confirm that all employees and subcontractors obtain valid/approved government issued passes and badges. Any work stoppage or work delays caused by the Contractor/Subcontractor's failure to comply with obtaining appropriate passes/badges or other Security compliance shall not be a cause for contract performance time extension. The Contractor shall be responsible for immediately turning in all terminated employee's badges to the Pass and ID issuing office.

- C. Special security requirements apply to this contract. All Contractor personnel associated with this contract shall obtain personnel security clearances/badges from the Activity's Security Officer in order to perform work surrounding Building 930. Strict adherence to the rules and regulations, as set forth by the Activity's Security Officer, must be complied with at all times.

Building 930 is a Controlled Access Area (CAA). All Contractor employees/subs shall require escorts for all movements within and around the building at all times.

Responsibility for Escorts: The Contractor shall be responsible for coordinating escorts with the Building Activity/Tenant at all times. The Contracting Officer and other NAVFAC personnel "shall not" be responsible for the coordination of escorts for Contractor personnel.

- 3.9 The Contractor shall provide detour signage for redirection of occupants during the entirety of construction.
- 3.10 To minimize downtime for the area, construction activities may not start until the Contractor provides confirmation of receipt of all new products and materials necessary to complete the work, prior to start of construction.
- 3.11 ELECTRONIC CONSTRUCTION AND FACILITY SUPPORT CONTRACT MANAGEMENT (eCMS) is required for this contract: See PART 8 – ATTACHMENTS, Specification Section 01 31 23.13 20 for requirements.

4. SAFETY:

- 4.1 The Contractor shall comply with the most current edition of EM-385-1-1.
- 4.2 The Contractor shall submit the Accident Prevention Plan (APP) and Activity Hazard Analysis (AHA) plan for approval by the Contracting Officer. Submit within 3 days from issuance of this Task Order, and obtain approval prior to start of any construction activities.

5. HAZARDOUS MATERIALS DISCLOSURE STATEMENT(S):

- 5.1 Asbestos and Lead test reports **are not available** for Building 930 prior to issuance of this Task Order. Since the building was built after 1985, it is not anticipated that any hazardous materials are present within the area of work. However, if hazardous materials are encountered during performance of the work, the Contractor must avoid disturbing any hazardous materials to the fullest extent possible while being able to accomplish the work. If hazardous materials are encountered and disturbed, the Contractor must adhere to the requirements as stated in the subsequent paragraphs below.
- 5.2 For repair, remodeling, or minor construction and demolition, the Contractor may be required to work in areas that have, but not limited to, flooring, walls, ceilings, insulation, roofing materials and paints etc. etc., that may have asbestos or lead paints, or PCB and/or other hazardous materials requiring abatement and/or management according to applicable National and Local Environmental Protection laws and regulations. For work in soil excavation and other exterior construction etc., the Contractor may be required to work with contaminated material involving abatement or management of these contaminated materials. However, if during the performance of the work the Contractor encounters hazardous substances not known prior to issuance of this Task Order; the Contractor shall immediately stop work and inform the Contracting Officer for direction. In no instance shall the Contractor perform the work involving the hazardous material without notifying and receiving approval from the Contracting Officer for direction.
- 5.2.1 Asbestos Containing Materials (For projects that require disturbance or removal): Asbestos containing materials shall be removed, transported and managed in accordance with the following regulations: 29 CFR 1926.1101, and 40 CFR 61-Subpart M.
- Category I & II Nonfriable Asbestos: Disturbance, demolition/removal of Category I & II nonfriable asbestos containing materials (approved to be left in place during the work) shall be performed in accordance with 40 CFR 61-Subpart M.
- 5.2.2 Paint Containing Lead, Cadmium and Chromium (For projects that require disturbance or removal): Work which requires the disturbance or removal of paint that has been determined to contain all or any of the following: lead, cadmium and chromium, shall be performed in accordance with 29 CFR 1926.62, 29 CFR 1926.1126 and 29 CFR 1926.1127.
- 5.2.3 Other Hazardous Materials (For projects that require disturbance or removal): Work which requires the disturbance or removal of any of the following: mercury and LLR Components, and PCB's, shall be performed in accordance with 29 CFR 1910.1000, 10 CFR 20, 40 CFR 273, and 40 CFR 761.
- 5.3 Hazardous Materials Reports: In the event that work involves hazardous materials, provide the following reports:
- 5.3.1 Daily Reports: Notify the Contracting Officer of work involving hazardous materials abatement and removal, including quantities involved, on daily reports.
- 5.3.2 Hazardous Material Inventory Report: The Contractor shall provide a list of all hazardous materials used on the site.

6. SUBMITTALS:

- 6.1 The Contractor shall submit the following for government approval, prior to the start of any construction activities
 - 6.1.1 Manufacturer's Product Data: Submit manufacturer's written detailed product data cut sheets, with instructions for installation, adjustment, cleaning and maintenance instructions.
 - 6.1.2 Manufacturer Warranties
 - 6.1.3 Manufacturer Product Specification
 - 6.1.4 Traffic Control Plan
 - 6.1.5 Road Closure/Detour Plan
 - 6.1.6 Electrical Conductor Damage Report

7. WORK REQUIREMENTS:

- 7.1 Provide supervision, labor, material, and equipment as required to perform the following work, and must be done in a manner to provide a complete, usable, and finished end product to Repair Conduit and Boxes at SATEC range Building 930 Virginia Beach, Va.
- 7.2 The contractor must submit a traffic control plan, as well as a road closure and detour plan that conforms with the Manual of Traffic Control Devices, prior to beginning any work. All road closures and detours must be coordinated through the NAVFAC Contracting Officer.
- 7.3 Contractor shall give 15 days' notice to the Contracting Officer and Activity prior to starting any work as indicated in paragraph 3.4 above for a pre-work outage coordination meeting. Coordinate with the activity to relocate any equipment or supplies to facilitate work.
- 7.4 Perform OSHA approved Lock Out - Tag Out In accordance to paragraph 3.5 above.
- 7.5 Clear brush up to five feet from inside of fence line (where necessary) using brush mower equipment to allow access to work area.
- 7.6 There is a sand obstacle from the Corner of Atlantic and Vung Tao spanning approximately 1200 feet that could potentially need to be removed with heavy equipment in order to access work area. The only sand permitted to be relocated is the minimum amount needed to access the conduit and boxes being worked on.
 - 7.6.1 Contractor shall also coordinate with activity to arrange road closures in accordance with Paragraph 8.1.
 - 7.6.2 Sand is to be relocated onto beach by way of the Inchon Rd. beach access path.
 - 7.6.3 During this process, the dunes are not to be disturbed in any way.

- 7.7 Observe, Identify, and document the existing termination landings for accurate reconnections of wiring and the existing conduit and box layout prior to removal and/or demolition for ease and accuracy of re-installation.
- 7.8 Work shall be phased between junction boxes as to ease installation and minimize removal of conductors and conduit.
- 7.9 Disconnect any optical or electrical terminations to allow for the removal of existing rigid conduit.
- 7.10 Care should be taken to ensure no damage is done to any electrical conductor that is not being replaced. All undamaged electrical conductors are to be salvaged. During removal, if electrical conductors are damaged, the contractor must replace them at no cost to the Government.

Note: Document any electrical conductor damage and provide as a submittal to the NAVFAC Contracting Officer and perform any splicing necessary in accordance with NEC code.

7.11 Demolish all of the following:

- 7.11.1 Optical cable from Junction Box 1 to Junction Box 2, from Junction Box 1 to Junction Box 8, from Junction Box 8 to Junction Box 7, and from Junction Box 7 to Junction Box 6 simultaneously pulling in Nylon string or rope for ease in pulling in of new optical cable replacement.

Note: Prior to demolition, contractor shall document existing termination landings in accordance with paragraph 7.5

- 7.11.2 Damaged rigid conduit. See Figures 1A and 1B for locations

NOTE: Replace up to 200 FT of 2 inch and 50 FT of 1 inch conduit. Provide unit pricing for any additional quantities in accordance with paragraph 2.8. Contractor shall exercise all due diligence to salvage as much conduit as possible. Cutting and using rigid compression couplings/connectors is authorized to minimize threading. Rigid conduit that has damaged threads can have threads removed and conduit deburred for installation of rigid compression connector/coupling.

- 7.11.3 Existing expansion couplings. New design referenced in Paragraph 7.17

- 7.11.4 Damaged Boxes. See Figures 1C and 1D and 1F and 1H and 1i for locations

- 7.11.5 All Existing fence line main strut, straps/hangers, bolts, nuts, washers designated in red on Fort Story Base Map 1.

Note: The only strut to be removed is mounted directly to fence line with some additional pieces on separate box posts. Strut replacement of any other conduit run that is not supporting 1 inch and/or 2 inch rigid pipe is outside of this scope (See Figure 4 for example near box **XC-4** of strut and conduit that is to not be interfered with).

- 7.12 Any new work where two pieces of strut will be fastened together, they shall be installed rigidly with each connection point utilizing design expressed in Figure 3. Spring nuts are not permitted.
- 7.13 U-bolts shall be mounted in a way to allow conduit runs to be as fluid and level as possible as to not obstruct conduit expansion/deflection.
- 7.14 All new boxes shall be installed plumb and level. They are to be installed rigidly to fence posts utilizing the design expressed in Figure 5. Install a new post driven at least 24 inches into soil (concrete is not to be used) at box/seal tight locations utilizing design expressed in Figure 6 to

support conduit and protect connection at box entry points. Secure new post to adjoining fence post with bracket and additional tie wire to fence fabric as expressed in Figure 1 and Figure 6 and utilizing design expressed in Figure 5. All posts are to be installed plumb and level.

Note: Spring nuts are not permitted on any work within this scope.

- 7.15 Meyers hubs are required to be utilized at box entry points to assure the connection is made securely. This is to eliminate internal components exposure to the elements. Compression rigid connectors are permitted to avoid requiring the conduit to be threaded. See Figure 1 for details
- 7.16 Reinstall salvaged rigid conduit and install new rigid conduit. See Figures 1A and 1B for main areas in need of 2 inch conduit replacement.

Note: Other areas may need small sections. Replace up to 200 FT of 2" and 50 FT of 1 inch. See details in Paragraph 2.8 referring to fixed bid conduit pricing beyond that quantity.

In each location strut has been demolished, install a new 9 inch by 6 inch square bend U-bolt to support each 2 inch conduit and install a new 7 inch by 4 inch square bend U-bolt to support each 1 inch conduit. This is to allow conduit to move freely without binding while allowing the support to remain rigid. U-bolts contain included hardware. Contractor shall use this hardware to ensure proper sizing. See Figure 2 for more information on product requirements

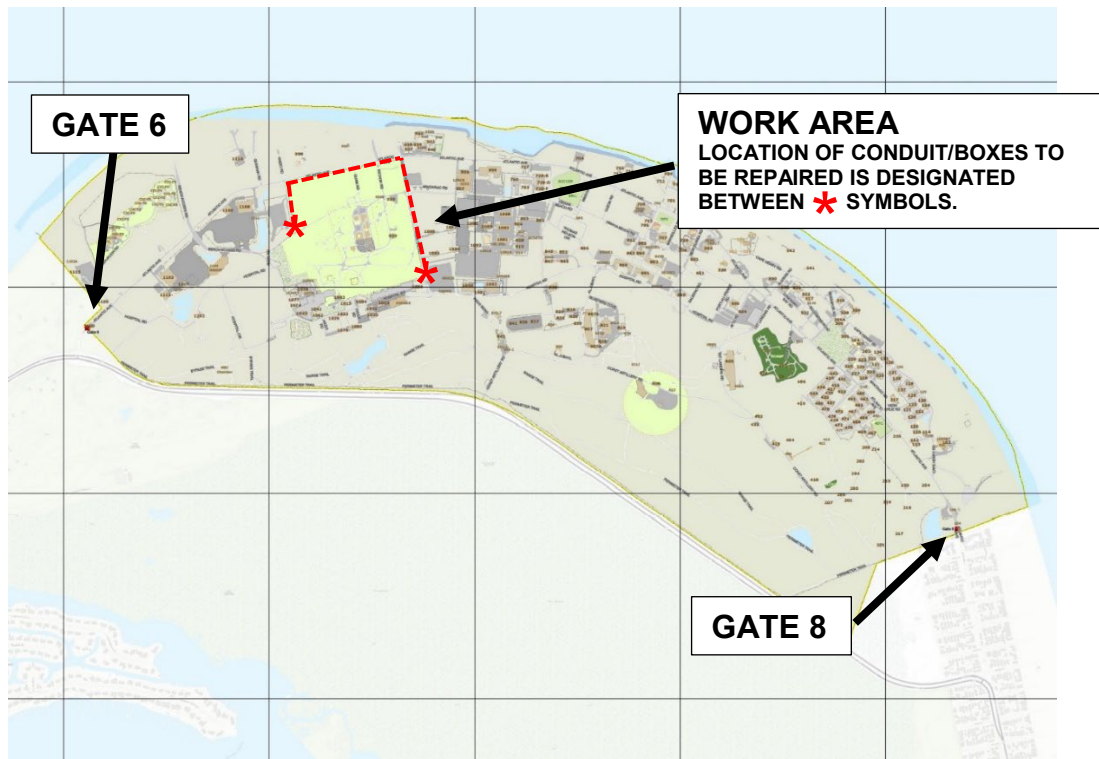
Note: Excess threads of U-bolt on back side of fence post shall be shortened to no more than 1" and must be deburred to mitigate any potential safety hazard. Aluminum slats are permitted to drill through.

- 7.17 1 inch and 2 inch non-metallic seal tight conduit with 45 degree fittings are to be utilized in the horizontal runs to act as a point of expansion on these runs. The conduits can be cut back and the government permits 1 inch or 2 inch rigid compression connectors to be installed - then a rigid coupling installed and corresponding seal tight fittings. Install a new post driven at least 24 inches into soil (concrete is not to be used) at seal tight locations utilizing design with additional tie wire to fence fabric as expressed in Figure 1 and Figure 6 to support conduit and protect connection. Aside from box connections, these expansions/brackets are only to be installed in locations where the requirements will be met to solve the issue of expansion/contraction according to NEC code and to avoid stress on box connections. Seal tight is required at all box locations.
- 7.18 Existing 12 inch x 12 inch box shall be remounted in a more secure method. Install a new post utilizing design expressed in Figure 6. The new box shall be rigidly mounted to post and utilize the mounting design expressed in Figure 5. To replace existing damage, a new 6 in x 6 in NEMA4X stainless box is also to be installed to the main pole in a more secure method utilizing design expressed in Figure 3. Conductor damage is a possibility. If electrical splicing will be required in this location, allow for an 8 inch loop of electrical conductors to remain in box. See Figure 1D for location
- 7.19 Junction box 8 shall be remounted in a more secure method with four bolts utilizing design expressed in Figure 3 - and leveled. Spring nuts are not permitted.
- 7.20 A new 12 inch x 12 inch NEMA4X stainless box shall be installed at opposite corner of Box XC-24. Box shall be installed in a more secure method utilizing design expressed in Figure 5. Conductor damage is a possibility. If electrical splicing will be required in this location, allow for an 8 inch loop of electrical conductors to remain in box. Sealtight is permitted to be used for this entire portion if necessary. See Figure 1F for location

- 7.21 Junction box 7 shall be remounted in a more secure method with four bolts utilizing design expressed in Figure 3. All spring nuts are to be removed in this area. Existing strut that is currently holding Junction box 7 will be re mounted to main fence posts utilizing design expressed in Figure 3 to mitigate any damage due to movement. Conductor damage is a possibility. If electrical splicing will be required in this location, allow for an 8 inch loop of electrical conductors to remain in box. See Figure 1G for location
- 7.22 A new 6 inch x 6 inch NEMA4X box is to be installed to the corner fence post in a more secure method utilizing design expressed in Figure 5. Conductor damage is a possibility. If electrical splicing will be required in this location, allow for an 8 inch loop of electrical conductors to remain in box. See Figure 1H for location
- 7.23 A new 12 inch x 12 inch NEMA4X box is to be installed to the corner fence post in a more secure method utilizing design expressed in Figure 5. In addition, Install a new post behind damaged 6 inch X 6 inch box that is directly below that will utilize the design expressed in Figure 6. Conductor damage is a possibility. If electrical splicing will be required in this location, allow for an 8 inch loop of electrical conductors to remain in box. See Figure 1i for location
- 7.24 When all repairs to conduit and boxes are complete, contractor shall install all new optical fiber cable (up to 18,000 LF) with the same specifications as the original equipment and of comparable build quality. Customer has specified that 12-strand single mode fiber is in some (if not all) locations. New fiber optic cable is to be installed in existing 2-inch rigid conduit. Provide unit pricing for any additional quantities in accordance with paragraph 2.8.
- 7.25 Following installation and clean up, contractor must coordinate performance verification testing of security system with activity and security specialist.
- 7.26 All information here-in is for reference only. The Contractor must FIELD VERIFY all existing conditions, prior to fabrication and placing orders for any new items/equipment. The Contractor must take sole ownership/cost responsibilities for re-work or re-ordering any new items/equipment provided that does not fit or function properly within existing conditions.
- 7.27 The contractor shall dispose of all existing demolished/removed materials off base and will completely clean up job site after work is performed. Maintain daily site clean-up at the end of every workday during the entirety of the construction period, to prevent any hazard potential. Disposal shall be in accordance with all existing Local, State, Federal and NAVFAC MIDLANT EV rules and regulations.

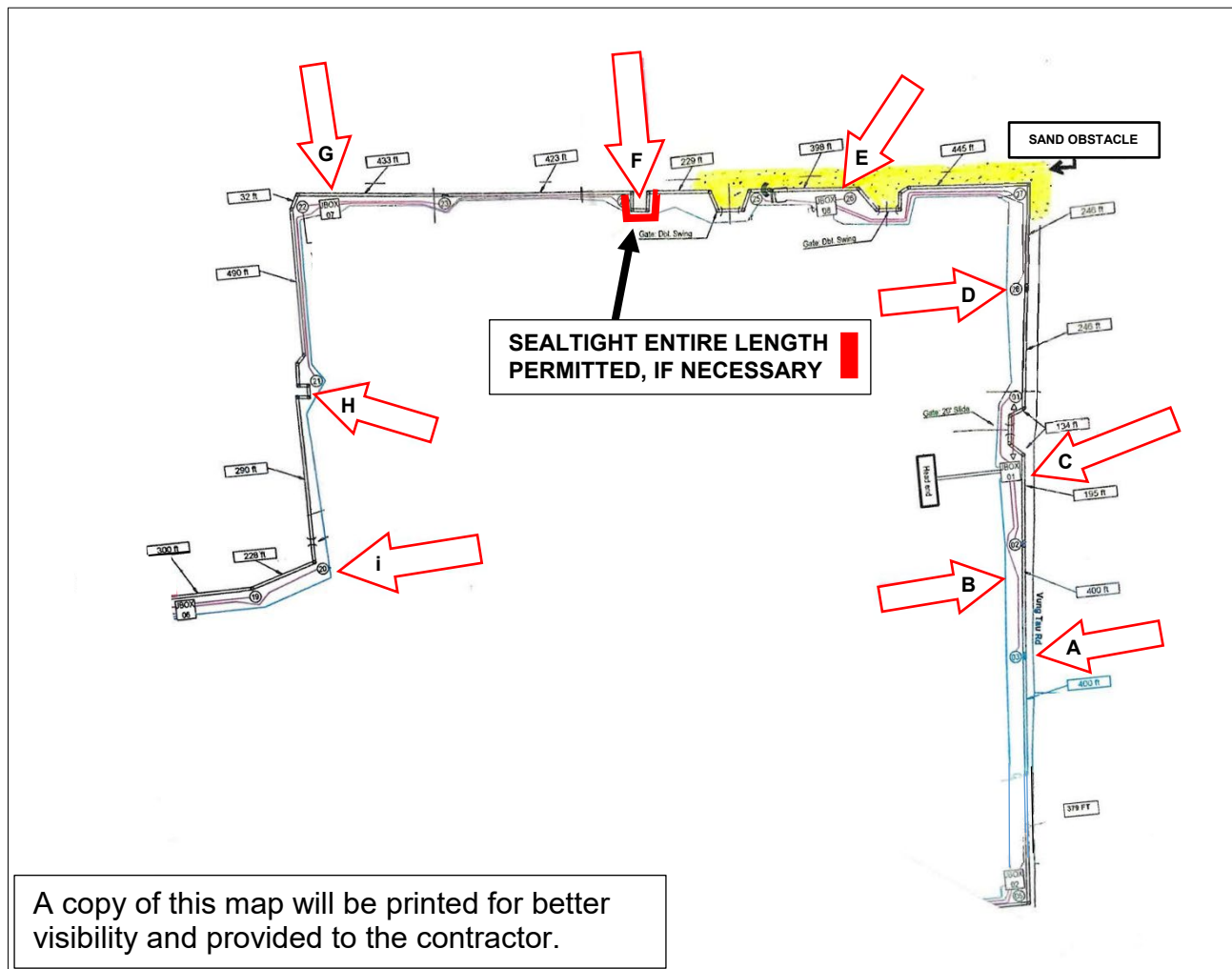
8. **ATTACHMENTS (following the Scope of Work):**

8.1 Base Map



Fort Story Base Map 1

8.2 Location Map



8.3 Photographs

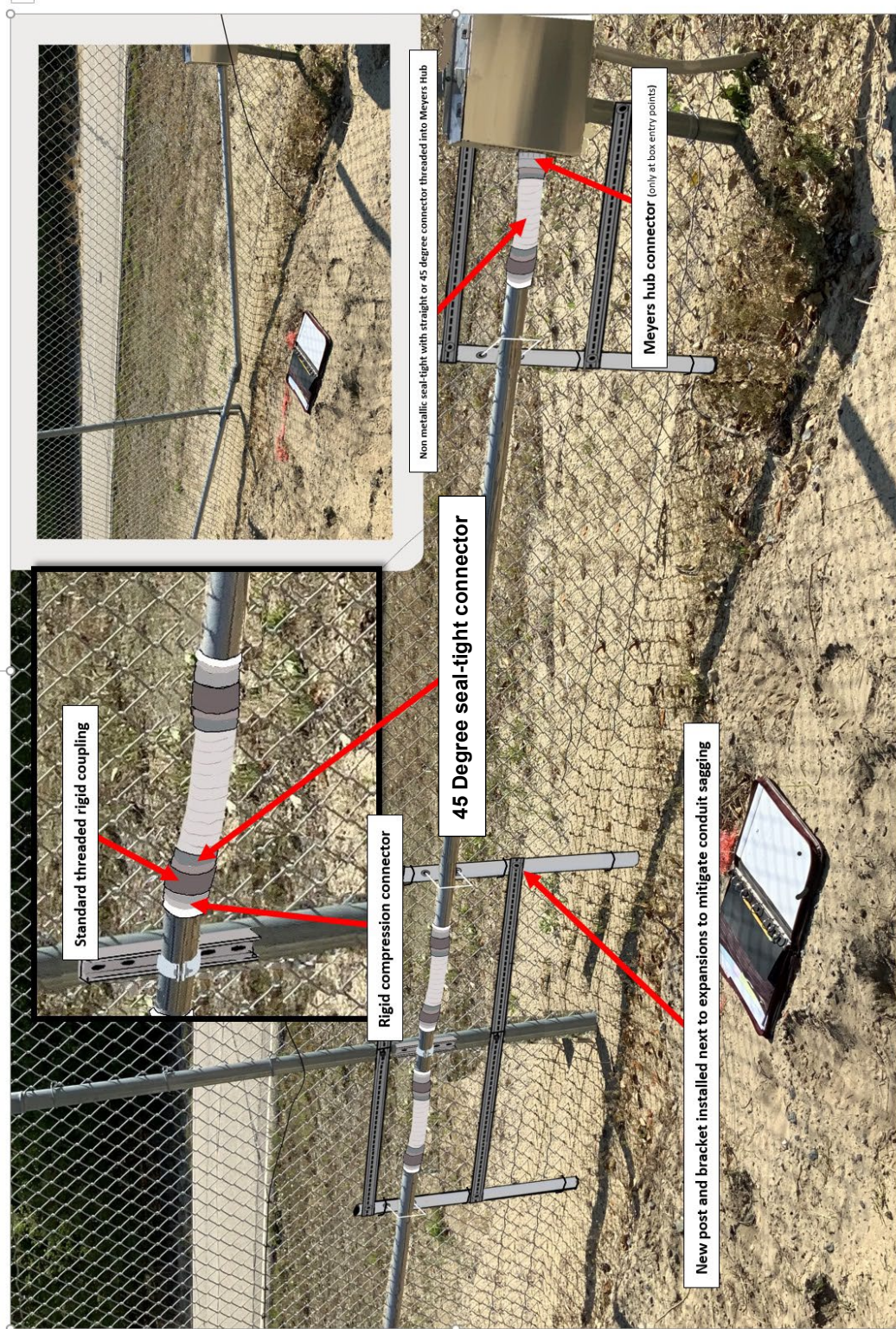


Figure 1A

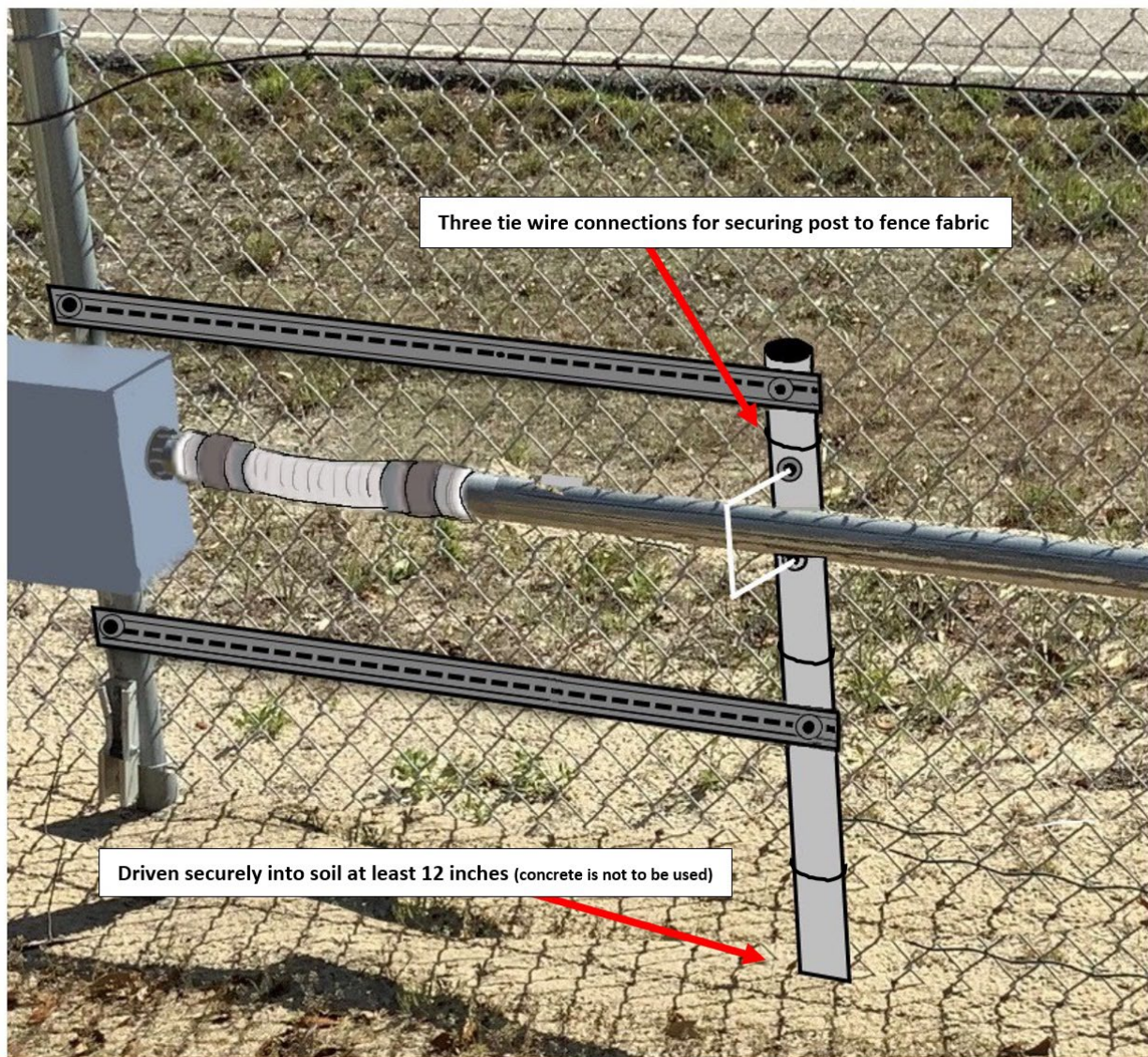
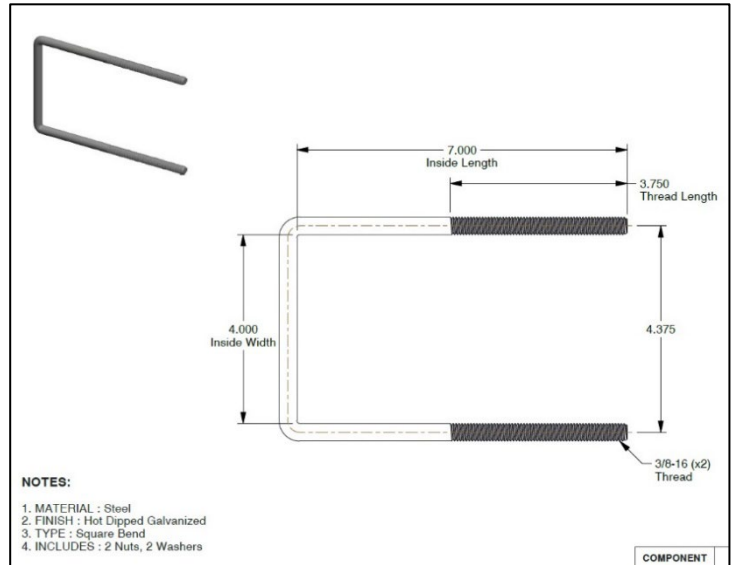


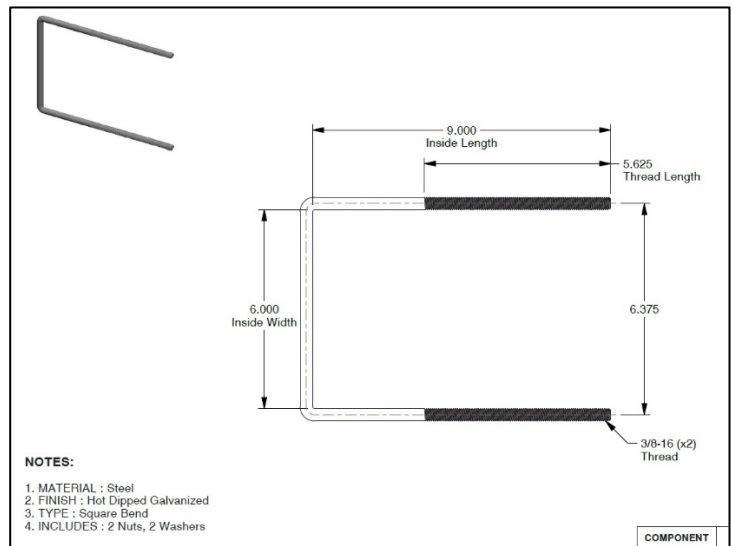
Figure 1B



NOTE: SQUARE BEND U-BOLTS (SEEN TO THE RIGHT) ARE TO BE INSTALLED.



For 1 inch Conduit Support



For 1 inch Conduit Support

Figure 2

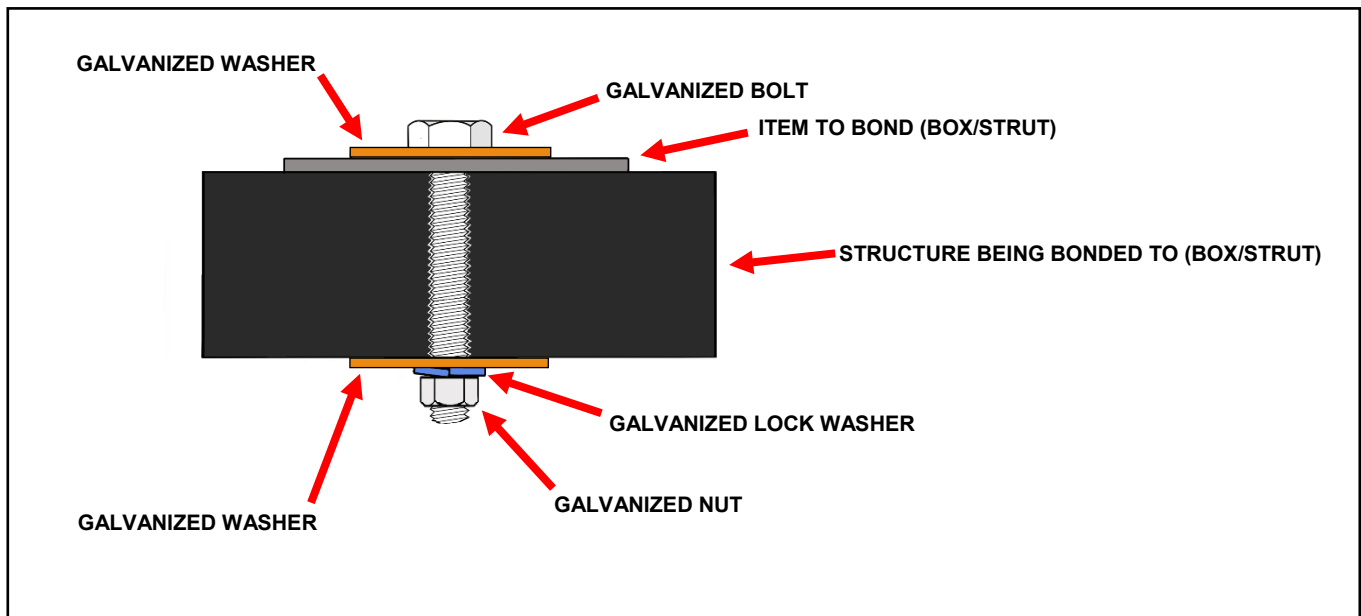


Figure 3



Figure 4

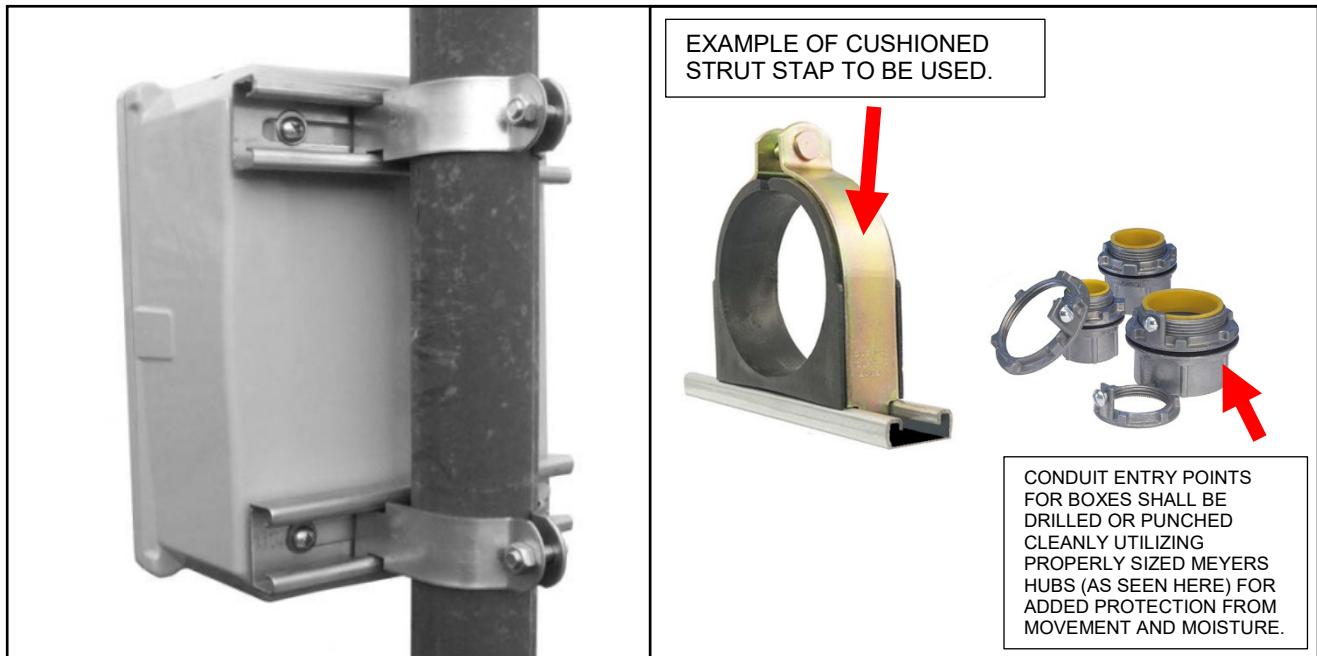


Figure 5

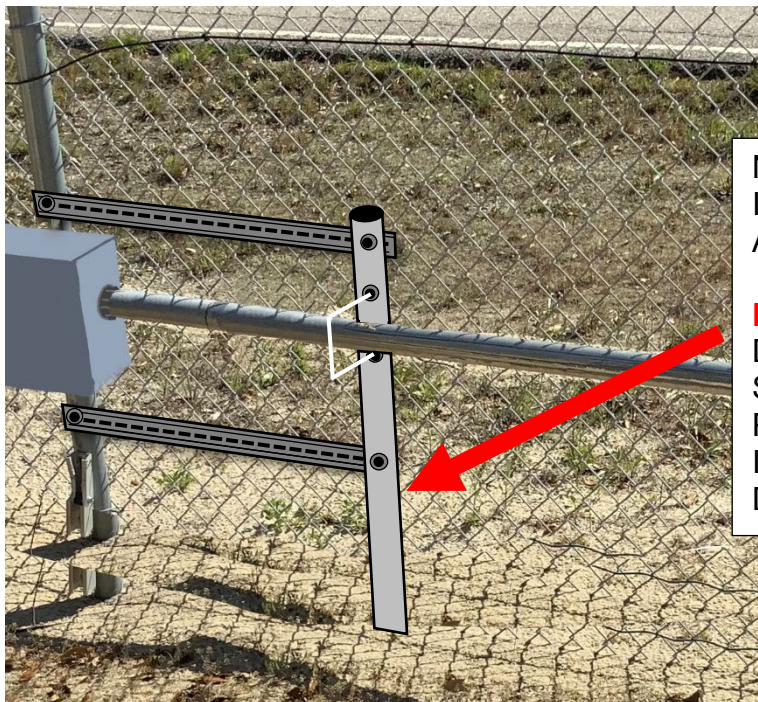


Figure 6

NEW EXAMPLE OF NEWLY INSTALLED POST SECURED TO ADJOINING FENCE POST.

NOTE: DISREGARD ALL OTHER DETAILS. THIS IMAGE IS STRICTLY TO REPRESENT NEW POST DESIGN. IF A BOX WERE INSTALLED, UTILIZE FIGURE 5 DESIGN.

8.4 eCMS Section 01 31 23.13 20 provided as attachment following scope of work.

****End of SCOPE OF WORK****