

MIAMI-DADE COUNTY
PEOPLE AND INTERNAL OPERATIONS DEPARTMENT (PIOD)

ADDENDUM NO. 1
June 13, 2025

PROJECT: Diesel Exhaust Fuel (DEF) System Installation
Contract No: MCC 7360 Plan - CICC 7360-0/08
RPQ No: ID-0000000785

BID DUE DATE: July 2nd, 2025; 02:00 P.M. **(REVISED)**

FROM: Miami-Dade County DTPW
Fleet Management Division
3501 NW 46th Street, 2nd Floor
Miami, FL 33142
305.269.5215

TO: Prospective Bidders and Interested Parties

This Addendum forms part of the project solicitation documents and will be incorporated into the Contract Documents, as applicable. Insofar as the Original Contract Documents, Drawings and Specifications are inconsistent, this Addendum shall govern. Please acknowledge receipt of this Addendum, at the time of bid submittal to Miami-Dade County, in the space provided on the "Acknowledgement of Addenda Form" provided with the project solicitation documents. Failure to acknowledge receipt of all addenda may be cause for disqualification.

CHANGES TO THE INVITATION TO BID:

- A. Bid opening date has been moved from June 25th to July 2nd, Time and place remain unchanged.
- B. Clarifications:
 - a. Bids are to be submitted to the Clerk of the Board, at 111 NW 1st Street, 17th Floor, Miami, Florida 33128. Please **do not** submit bids via e-mail.
 - b. Pre-bid meeting was not mandatory. Prospect bidders can go to the site to make observations take measurements and take pictures.

CHANGES TO THE SPECIAL PROVISIONS:

- A. Appendix B: DEF Technical Specifications:
 - a. Delete Technical Specifications dated 5/2025 and replace with the attached "Revised Technical Specifications for Addendum No. 1" dated 6/2025, herein attached.

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END OF ADDENDUM NO. 1



Alfredo E. Munoz, P.E.
Fleet Management Division, Manager
People and Internal Operations Department (PIOD)

AM:fp

cc:

Frances Perez-TeXidor, PIOD	Caesar Suarez, PIOD
Pete Moolah, PIOD	Yliana Serra, PIOD
Laurie Johnson, SBD	Scott Stephens, PIOD
Project File	Clerk of the Board

DIESEL EXHAUST FLUID SYSTEM – SHOP 3 MAIN**PART 1 - GENERAL****1.01 SCOPE OF WORK**

Provide all supervision, labor, materials tools, equipment and perform all operations required to install a turnkey solution to an above ground Diesel Exhaust Fluid (DEF) System at the PIOD Shop 3 Main facility. Detail Scope of Work is as follows:

- A. Furnish and install a new DEF system with aboveground storage tanks (AST), DEF dispensers, concrete bases, gauges, valves, dispensers, piping, applicable hardware and all related items necessary for complete installation of a fully operational system.
- B. Provide all technical data and required documentation for approval from Fleet Management Division (FMD), Fuel Section, before submitting for permitting.
- C. All new DEF\ tanks, piping and appurtenances shall be designed and installed in accordance with applicable sections of Aboveground Storage Tank Systems, from the Florida Department of Environmental Protection (DEP), the Florida Administrative Code, NFPA 30: Flammable and Combustible Liquids Code 2015 Edition, ASME B31: Code for Pressure Piping and other applicable standards, inclusive of all permits. For additional details, please refer to technical specifications below.

1.02 RELATED SECTIONS

- A. Section 03300 - Cast-in-place Concrete, Reinforcing and Formwork.
- B. Section 16420 - Stationary Engine-Generator Set: Contractor to verify that existing generator system will be able to handle the additional load required to handle the new DEF System.

1.03 REFERENCE, CODES AND STANDARDS

- A. NFPA 30 - Flammable and Combustible Liquids Code.
- B. NFPA 31 - Installation of Oil-Burning Equipment.
- C. NFPA 70 – National Electrical Code (NEC)
- D. NFPA 78 - Protection of Life and Property against Lightning.
- E. FBC - Florida Building Code.
- F. RER – Regulatory & Economic Resources Department, Miami-Dade County, Ch. 24- Miami-Dade County Environmental Code
- G. U.L. Subject #2085UFC - ICBO Uniform Fire Code, Section 79 Appendix A-II-F

1.04 QUALITY ASSURANCE

- A. Comply with the appropriate codes, regulations and standards referenced in paragraph 1.03.

1.05 PERMITS

- A. Contractor must obtain all permits required for this Project prior to commencing the Work. This includes permits required by other municipalities and agencies prepare, submit, and obtain all permits and licenses as required from Miami-Dade Department of Regulatory and Economic Resources (RER), including environmental, building, fire and all other pertinent governmental agencies. The contractor must give all notices, pay all fees and comply with all laws, rules and regulations applicable to the Work at no additional cost. In carrying out the work in the Contract, when under the jurisdiction of any environmental regulatory agency, comply with all regulations issued by such agencies and with all general, special, and particular conditions relating to construction activities of all permits issued to the County as though such conditions were issued to the Contractor. Post all permit placards in a protected location at the worksite.

1.06 SUBMITTALS

- A. Submit a site plan, drawn to scale, containing the following:
 - 1. Show property lines and indicate occupancy or use of adjacent property.
 - 2. Show streets, intersections and railroads.
 - 3. Show buildings on the site and indicate type of construction. Show building openings on walls adjacent to tanks.
 - 4. Show important utility lines, sewer, water, gas and electricity including fire hydrants and catch basins.
 - 5. Show any nearby waterways, streams, rivers, lakes or bodies of water.
 - 6. Show any existing underground or aboveground tanks.
 - 7. Show location of proposed tank and indicate shortest distance to buildings and property lines.
- B. Submit detailed drawings of tanks, to include the following:
 - 1. Tank type, size, dimensions and spacing between adjacent tanks.
 - 2. Base slab dimensions and bollard location and size.
 - 3. Vent size, height, location and type of cap.
 - 4. Fill details including spill containment and overfill protection.
 - 5. Piping details include shut-off.
 - 6. Pumps and other equipment, where applicable, include location, size and type.
 - 7. Electrical details including shut-off switch location and grounding wire.
 - 8. Level monitor and/or leak detection equipment. (i.e. Morrison Clock gauge for fuel level, Krueger Pop-up gauge for interstitial monitoring)
 - 9. Signs and decals.

1.07 WARRANTY

- A. The tank must carry, at least, a year (1) warranty.

1.08 DELIVERY AND STORAGE

- A. Deliver, store, protect and handle products.
- B. Protect while transporting, storing, installing until work is completed.
- C. Do not handle or move tanks unless it is empty.
- D. Do not drop or drag the tank.
- E. Do not handle or install tanks without having knowledge and experience in procedures involved with proper and safe installation of tanks used for storage of stable, flammable and combustible liquids.
- F. Equipment required for the shipping and off-loading of aboveground and underground storage tanks include lifting straps, forklift and crane up to 150-ton capacity and nylon tie down straps.

1.09 GENERAL FIRE PROTECTION

- A. A sign which prohibits smoking shall be conspicuously posted.
- B. Portable fire extinguishers shall be provided for the suppression of fires in accordance with NFPA 10 and UFC for high hazard areas.
- C. Exterior warning signs and labels shall be at proper location and configuration to meet applicable code requirements.

PART 2 - PRODUCTS

2.01 ABOVEGROUND TANKS

- A. General:
The Contractor shall furnish a DEF Aboveground Storage Tank (AST) for flammable and combustible liquids.
- B. The AST shall include provisions for a tank leak detector tube to allow for physical monitoring of the interstitial space between the primary and secondary tank. The County reserves the right to provide and install this component in-house if feasible.
- C. All openings shall be from the top only.
- D. The AST shall have a coated exterior to resist weather and reflect sunlight.

- E. The AST shall be constructed to allow for grounding in accordance with NFPA 78.

2.02 TANK SPECIFICATION

A. Technical Specification:

1. Provide four (4) above ground tanks
2. Capacity: 750 gallons each.
3. Type: Double-wall tank or single wall tank with secondary containment holding 110% of the capacity.
4. Dimensions: TBD by the contractor, however, width should not be greater than 56" and length should not be greater than 72"
5. Tank material: Fiberglass or approved equal by the permit authorities.
6. Top fill tank: 2" fill port, and 2" supply line
7. Footprint - see Shop 3 Main-permits September 2000 and also see schematic attached for reference.

2.03 DISPENSER SYSTEM & COMPONENTS:

A. General

1. Quantity: 4 single hose DEF dispensers.
2. Each hose to have a 25 feet long hose reel.
3. Provide tank mounted level monitoring device.
4. Provide pulse flow meter device integrated with the dispenser.

B. Technical Specification:

1. DEF Pump (1 per dispenser)
 - Type: Electric diaphragm or stainless-steel centrifugal pump, specifically DEF-compatible
 - Flow Rate: up to 10 gallons per minute
 - Voltage: 120 VAC
 - Material: Non-corrosive, (e.g., stainless steel, EPDM seals)
 - Mounting: Direct tank mount or pedestal style
2. DEF Automatic Nozzle & Delivery Hose (1 per dispenser)
 - Type: Automatic shutoff nozzle, suitable for DEF dispensing
 - Material: Stainless steel or polypropylene with EPDM seals
 - 3/4" NPT or hose barb

- Length: 25 feet (customizable per site)
 - Material: EPDM or flexible synthetic rubber
 - Fittings: Stainless steel crimped ends with quick-connects
3. DEF Pulse Device (1 per dispenser)
- Type: Electronic pulse device for flow measurement
 - Material: DEF-compatible plastics or stainless steel
4. 2" Top Fitting for Each Tank
- Type: Poly or stainless DEF-rated fitting
 - Compatibility: Standard 2" MNPT

2.04 FILL PIPE

- A. The tank system shall be furnished with a fitting for filling. The fill pipe shall be equipped with an adapter and lockable cap. Fill pipe diameter shall be 2-inches.

2.05 COLLISION PROTECTION

- B. Install collision protection around each tank perimeter. Use steel pipe bollards filled with concrete to match existing. Bollards should be minimum 6-inches in diameter, 6 feet long, set 3 feet into the ground. Post shall be spaced from tank in accordance with local codes. See schematic attached for reference only.

2.06 PIPING AND ACCESSORIES

- A. All accessories (i.e. vents, product fill, piping, valves, etc.) shall be installed to meet the site-specific requirements and governing codes.
- B. Adherence to all operational safety precautions shall be taken into consideration.
- C. Material: UV-resistant, DEF-compatible materials such as PFA, PFE, PVDF, PVC, PTFE
- D. Size: Fill pipes shall be no less than 2". Dispensing pipes to be proposed by contractor, they should not be less than one inch in diameter and the flow should be minimum 10 gallons per minute
- E. Piping to be installed above ground

2.07 ELECTRICAL

- A. Electrical service and DEF piping to the pumps unit shall be installed in accordance with the requirements of NEC and NFPA and local code requirements.

- B. All electrical devices used with or located twenty (20) feet of the tank shall conform to NFPA 70 Hazardous Locations. All electrical conduits and wiring connected to the tank shall be explosion proof and in strict accordance with NEC Class 1, Division 1.
- C. Electrical grounding shall be installed for the system.
- D. CONDUIT TRENCH SPEC
 - The existing EJ Ward system includes an electrical junction box that is available and suitable for providing power to the new EJ Ward system. This power source shall also be used to supply the proposed new fuel pulsers. The contractor shall utilize this existing junction to establish electrical connectivity for all upgraded system components.

2.08 CONCRETE SLAB

- A. The tank system shall be installed on Concrete pad or reinforced concrete pad designed to prevent uneven settlement and ensure adequate structural support for the tanks.

2.09 EJ-WARD SYSTEM & COMMUNICATION

- A. The EJ Ward system and associated communication components are excluded from the scope of this bid.

PART 3 - EXECUTION

3.01 DEF SYSTEM SITE

- A. Tanks and dispensers to be installed on existing fuel islands at PIOD – Shop 3 Main facility (8801 NW 58th St, Doral FL, 33178) shall comply with all applicable local codes and ordinances.

3.02 TIME FOR COMPLETION

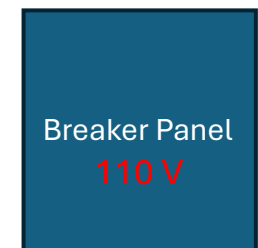
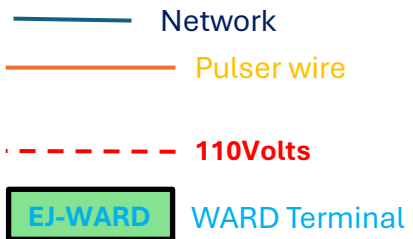
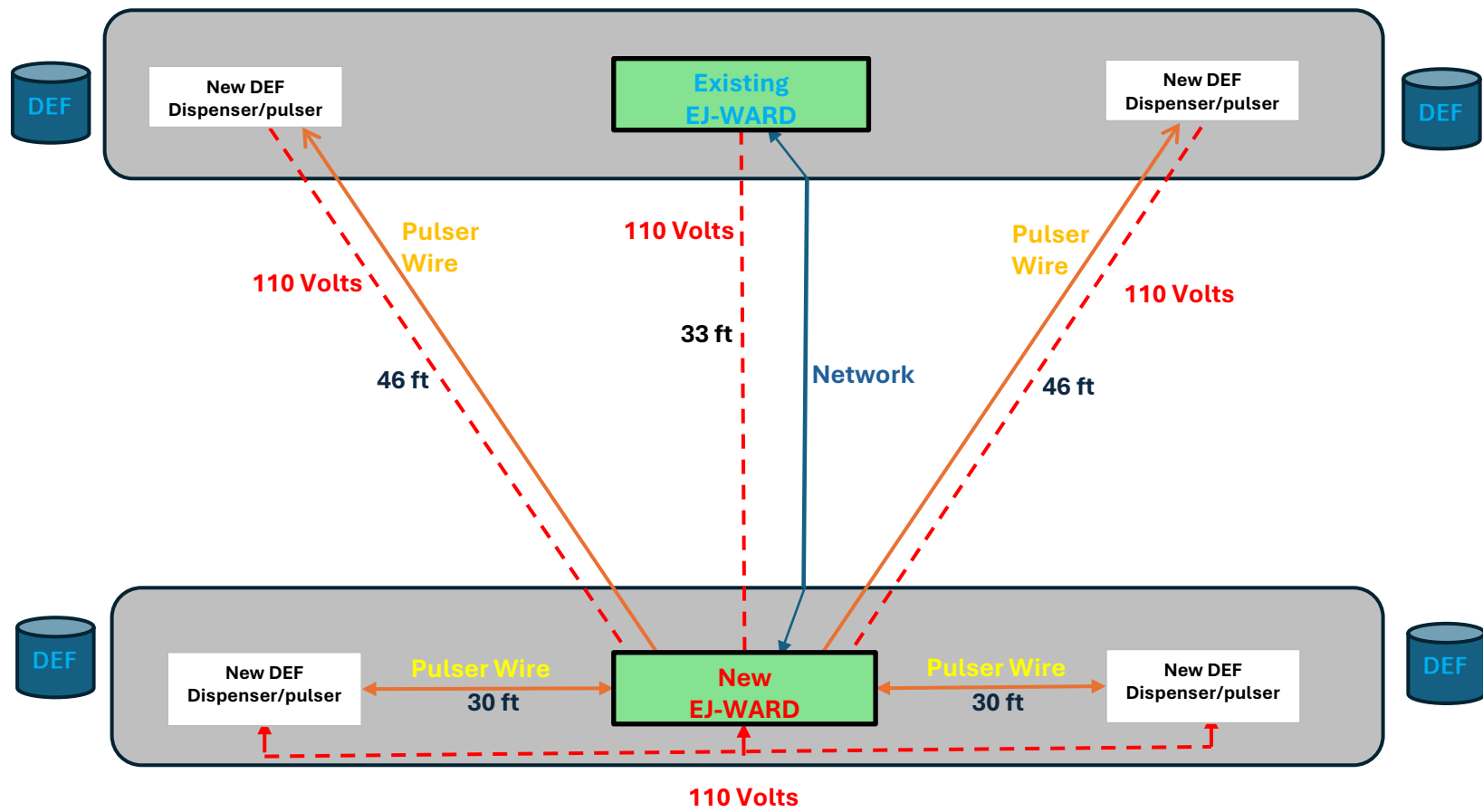
- A. The Work must be substantially completed within **150 calendar days** after the date when the Contract Time commences to run as provided in the Notice to Proceed, and all requirements of the Contract Documents, inclusive of closing of all permits completed and ready for final payment within **180 calendar days** after the date when the Contract Time commences to run.
- B. The effective date of the “Notice to Proceed” will be established during the Preconstruction Conference which is held shortly after the Award of Contract and which is attended by members of fleet Division, the Contractor, and others affected by the Work. The effective date shall be set as a date no later than 30 calendar days after the date of execution of the Contract Documents unless a later date acceptable to both parties is agreed upon in writing.
- C. Working Hours:
 - 1. Contractor will be allowed to work from 6:00AM to 7:00PM. Please coordinate with the facility supervisor and Mr. Scott Stephens the schedule before commencing the Work. Call 14 day in advance, in the event the contractor needs to work on weekend or holidays.

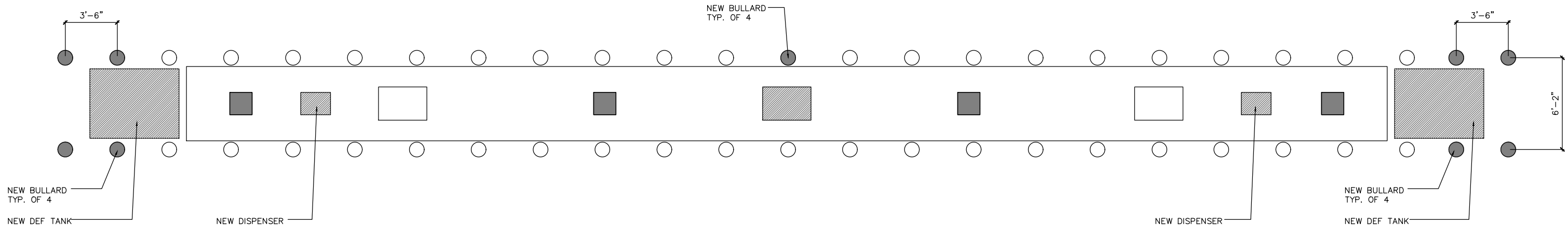
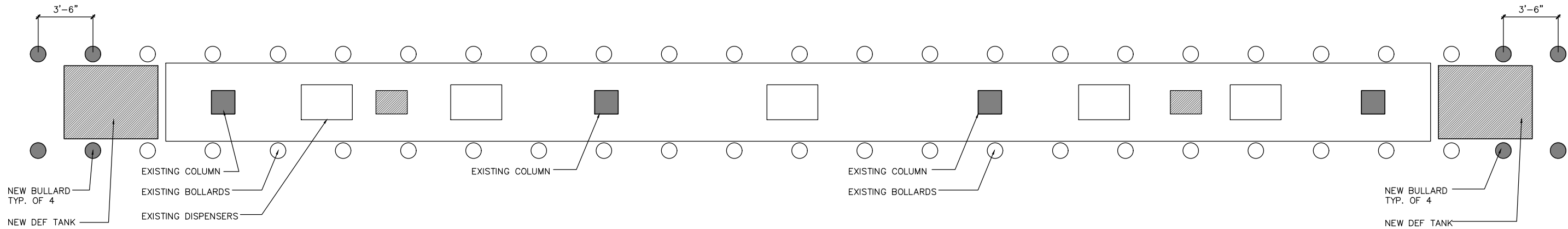
3.03 LIQUIDATED DAMAGES

- A. Contractor, or in case of his default the surety, shall pay to the County, not as a penalty but as liquidated damages, \$500 per day should Contractor fail to complete all work specified within the time stipulated in the Contract for substantial completion, including extra time granted in writing by the County. Substantial completion must be achieved 5 days prior to contract final acceptance, unless a different time is stipulated under contract duration.
- B. The Project Manager will count default days on calendar days.
- C. The county has the right to apply, as payment on such liquidated damages, any money the County owes Contractor.
- D. County does not waive its right to liquidated damages due under the Contract by allowing Contractor to continue and to finish the work, or any part of it, after the expiration of the Contract/Work Order Time including granted time extensions.

END OF SECTION

SCHEMATIC AND PICTURES





NOTE:
THIS PLAN IS FOR INFORMATIONAL PURPOSES
ONLY, AND ALL DIMENSIONS AND EXISTING
CONDITIONS ARE APPROXIMATE AND SHALL BE
FIELD VERIFIED BY AWARDED CONTRACTOR.

Existing EJ Ward Pictures.

