

PUBLIC WORKS OFFICE
MARINE CORPS LOGISTICS BASE
ALBANY, GEORGIA

NAVFAC
SPECIFICATION
WO Number: 768950
JEG

SPECIFICATION FOR:

Project Title: Replace IWTP Drain Line, Bldg. 2238
Station or Activity: Marine Corps Logistics Base
City and State: Albany, Georgia

1. GENERAL DESCRIPTION:

Contractor shall provide all labor, management, supervision, tools, supplies, incidental work, materials, and transportation necessary to replace the 1 ½" industrial waste line from cleanout at the east corner of the building to the next 90 degree fitting. A cleanout shall be added at the fitting. The drain line from the adjacent building shall also be tied into the new line. Concrete pavement shall be removed and replaced as necessary to complete this work. The exact location is to be shown by the Contracting Officer. Contractor shall verify all measurements prior to ordering materials. All work shall be accomplished in strict accordance with prevailing industry standards, manufacturer's written instructions and all applicable codes. All materials shall be on-site prior to start of work.

1.1 Minor Materials and Work

Minor materials and work not specifically mentioned herein but necessary for the proper completion of the specified work shall be furnished without additional cost to the Government.

1.2 Unforeseen Major Repairs

Should deteriorated material of a major nature be uncovered in the course of the work, it shall be brought to the attention of the Contracting Officer. Repairs shall be made as directed, and an adjustment will be made in the contract price in accordance with the terms of the Purchase Order.

1.3 Quantities

Where the replacement of deteriorated or missing materials is required and approximate quantities given, the Contractor shall perform all the required work. Where the quantities for quoting purposes are specified, quotes shall be based on the stated quantity; should more or less than the specified quantities be required, the Purchase Order price will be adjusted in accordance with the terms of the Purchase Order. Replacement of deteriorated materials shall be at such location and of such extent as directed.

1.4 Existing Work

Where existing work is changed or removed, or where new work adjoins, connects to or abuts existing work, the existing work shall be altered as necessary and connected in a substantial and workmanlike manner. All new work shall match, as nearly as practicable the existing adjoining and/or adjacent similar work. Operations affecting existing work shall be conducted with care not to damage work in place; and all existing work damaged by such operations shall be rectified or replaced without additional expense to the Government.

1.4.1 Waste

Materials with no practical use or economic benefit shall be disposed of properly at a landfill or incinerator. All Construction and Debris materials (C&D) that is disposed of offsite shall be weighed and the weight disposal tickets are to be given to the contract surveillance representative or ROICC Construction Manager.

1.4.2 Recycle

Except where specifically specified otherwise herein, all salvable materials and equipment disconnected or removed during the course of the work and not indicated or specified for reuse in the new work shall remain the property of the Government. All recyclable materials such as metals and certain electrical components, to include switch gear, MCCs, conduit, copper wire, distribution and control panels nuts, bolts, washers, old motor starters, obsolete breakers, cable lugs, conduit, conduit fittings, connection boxes, etc will be recycled in accordance with MCO 5090.2A through the base Qualified Recycling Program (QRP). Remaining material shall be removed from the Government property.

1.4.3 Debris and Unusable Materials

All flammable scrap materials and debris shall be disposed of by removing completely from the Government property.

1.5 Schedule and Sequence of Work

The work shall be prosecuted in such a manner as to cause the least interference with the normal functions of the Government activity. Traffic areas will need to be maintained for the period of time necessary for the Contractor to perform work. Prior to beginning any work, the Contractor shall meet with the Contracting Officer in order that an approved schedule and sequence of work may be arranged.

1.6 Interruption of Utilities Services

Interruptions shall be kept to a minimum and shall be at such times and durations as approved. No interruption shall occur, unless scheduled with the Contracting Officer and approved by him in advance as to time and duration of such interruption.

2. DRAWING ACCOMPANYING SPECIFICATION

The following drawing(s) accompany this specification and is a part thereof. The drawing(s) are the property of the Government and shall not be used for any purpose other than that contemplated by this specification.

<u>DRAWING NO.</u>	<u>TITLE</u>
C1	Utility/Site Plan Building 2238
P1	Undercoating Facility Site Plan

3. SITE VISITATION

Prior to submitting quotations, the Contractor is urged and expected to inspect the job site and to satisfy themselves as to the general and location condition that may affect the cost of performance of the work to the extent that such information is reasonable obtainable. Site visitation may be arranged with the Contracting Officer at the site. A minimum of 48 hours notice is required prior to time of visit, telephone Area Code (229) 639-5959. See contract clause 52.236-27 for site visit requirements.

4. COMMENCEMENT, PROSECUTION AND COMPLETION OF WORK:

Prior to beginning any work, the Contractor shall meet with the Contracting Officer's representative to discuss and develop mutual understandings relative to scheduling and administering work.

All work shall be accomplished within 75 calendar days after date of award. This completion time includes 21-day period for checking background of the contractor's personnel prior to arrival to start work on Base.

All work shall be accomplished between the hours of 8:00 a.m. and 5:00 p.m., Monday thru Friday (excluding federal holidays) unless other times are specifically pre-arranged with the Contracting Officer. This requires a written request two (2) days prior to proposed work.

5. STATION REGULATIONS:

The Contractor and his employees and his subcontractor(s) shall become familiar with and obey all Station regulations, including, fire, traffic, and security regulations. All personnel employed on the Station shall keep within the limits of the work (and avenues of ingress and egress), and shall not enter any restricted areas unless required to do so and are cleared for such entry. The Contractor's equipment shall be conspicuously marked for identification.

6. SECURITY REQUIREMENTS:

No employee or representative of the Contractor will be admitted to the site of work unless he is authorized to do so by the Contracting Officer.

6.1 Badge Requirements

Identification Badges are required. The Contractor shall be responsible for submitting a list of his personnel and his subcontractor's personnel who will be on the job site 14 days prior to arrival to start work for background check. The Badges can be obtained only at the Pass and I.D. Office, Building 3010, and then only by the authorized representative of

the Contractor. Each individual has to have their picture taken and sign for their badge. Badges will be issued for the length of the contract or six (6) months, whichever is the lesser. Identification badges shall be worn at all times while on the Base and shall be in plain view in a conspicuous place above the waist. The Government will perform background checks on all personnel. Contractor shall allow 14 days for the background checks.

The work takes place within the MDMC PPA compound which requires additional access approval. The contractor shall be required to comply with requirements of this area and check-in each day with the security personnel at this access control point.

6.2 Vehicle Permits

All vehicles entering the Base are required to obtain a Permit in accordance with Base Regulations. The vehicle permits can be obtained at the Pass and I.D. Office, Building 3010. All contractor vehicles and equipment, when not in use shall be locked or removed from the Base and otherwise disabled, so that operation by unauthorized personnel will be prohibited.

6.3 Entry of Sensitive Areas

Access to Buildings 5500 and 5501 are restricted. All contractor personnel require a PW or ROICC escort before entering these facilities and must remain in contact with their escort from the time of entry to the time of departure. (Restroom breaks are the only exception). Contractor personnel shall meet their PW or ROICC escort at the front entrance of Building 5500. Unescorted contractor personnel will be immediately removed from these facilities.

7. SAFETY AND HEALTH REQUIREMENTS:

Contractors shall adhere to the US Army Corps of Engineers Safety and Health Requirements Manual, EM 385 -1-1, as referenced in clause 52.236.13, entitled Accident Prevention. This publication is available online at:
<http://www.usace.army.mil/inet/usace-docs/eng-manuals/em385-1-1/toc.htm>.

All work requiring energy (electrical, mechanical, hydraulic, pneumatic, chemical, thermal or other) removal shall be done in compliance with OSHA 29CFR 1910.147 and 1910.333 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. NFPA-70E (current edition), Standard for Electrical Safety in the Workplace, shall also be utilized for worker safety compliance.

8. QUALITY OF WORK

Work shall be accomplished by personnel experienced in their respective trades. The Contractor shall perform all work in accordance with acceptable industry standards and all federal, state, and local codes.

9. CLEAN-UP:

Contractor shall not be allowed to spread debris unnecessarily into adjacent areas, nor let debris accumulate in the work area during and after work completion. Upon completing the work, the Contractor shall remove from the premises any rubbish, tools, scaffolding, equipment, and materials that are not the property of the Government, and shall leave the work area in a clean, neat, and orderly condition satisfactory to the Contracting Officer. All rubbish and debris created by the work shall be removed from Government property and disposed of according to all local, state and federal regulations.

10. DISPOSAL:

Debris and materials shall be removed from work-site and not placed in Government trash containers. Transport debris and rubbish in a manner that will prevent spillage on streets or adjacent areas. All spillage on streets and adjacent areas shall be cleaned up.

11. STORM PROTECTION:

Should warnings of wind of gale force be issued, the Contractor shall take every practicable precaution to minimize danger to persons, to the work, and to adjacent property. These precautions shall include closing all openings, removing all loose materials, tools, and equipment from exposed locations, and removing or securing scaffolding and other temporary works.

12. Verification of Dimensions:

The Contractor shall become familiar with all details of the work, verify all dimensions in the field, and advise the Contracting Officer of any discrepancy before performing any work.

13. DETAILED REQUIREMENTS

13.1 TRAFFIC AND PEDESTRIAN BARRICADES.

13.1.1 The Contractor shall provide, install and maintain all traffic and safety barricades, tape, cones and other warning devices. Where pedestrian and driver safety is endangered in the area of removal work, use traffic barricades with flashing lights. Anchor barricades in a manner to prevent displacement by wind. Notify the Contracting Officer prior to beginning such work.

13.2 Contractor shall provide temporary measures to control storm water drainage during construction. Contractor shall sawcut concrete to provide finished edges for concrete replacement. Excavation of subgrade shall be accomplished in a safe manner. Excavated material shall be protected prior to backfill and excess shall be disposed of by the contractor. Work shall be accomplished in accordance with industry standards.

13.3 Contractor shall provide pipe bedding where required by the pipe manufacturer and accepted industry standards. Pipe installation shall be in accordance with the manufacturer's recommendation. Locator wire and tape shall be installed along pipe line profile. Cleanouts shall be provided at changes in direction. Compaction testing shall be required for all backfill to 98% ASTM D698. Submit test reports to Government Representative.

13.4 Contractor shall abandon the existing line in-place and install the new line (approximately 200 linear feet) to the southeast of the existing line. The pipe shall be HDPE, PE 4710, DR 13.5 installed by directional drilling. Backfill the disturbed areas and compact to 98% ASTM D698. The top 8" of subgrade shall be GAB. Concrete paving shall be 650 psi flex concrete at a minimum of 8" thick. New concrete shall be dowelled into existing concrete with 16" long, 1" diameter steel smooth dowels at 12" on center. Reinforcing shall be #4 mat at 12" on center both ways. The existing drain line from the Undercoating Facility shall also be tied into this new line. The existing pipe shall be filled with grout and capped. Re-install any pipe bollards that are disturbed to match the existing bollards.

13.5 Contractor shall furnish all materials for a complete installation.

13.6 Contractor shall remove all debris, scraps, and other foreign material after installation. Finished concrete pavement shall be replaced so that surface water drains to drainage structures.

13.7 Contractor shall notify Government representatives at end of job for final inspection and closing of request.

13.8 SUBMITTALS

If submitting a quote for an equivalent manufacturer, it is the Contractor's responsibility to provide information and or documentation to show equivalency to manufacturer specified.

14. PROJECT RECORD DOCUMENTS

14.1 As-Built Drawings

As-built drawings are required. The contractor shall provide 3 electronic copies (PDF). Drawings shall give coordinates on new piping at fittings and changes in direction and comply with MCLB GIS requirements for compatibility.

14.3 Real Property Record

For all projects over \$10,000, near the completion of Project, but a minimum of 60 days prior to final acceptance of the work, complete, update and submit an accounting of all installed property on FORM DD1354 "Transfer and Acceptance of Military Real Property." Contact the Contracting Officer for any project specific information necessary to complete the DD Form 1354. For information purposes, a blank DD Form 1354 (fill-able) in ADOBE (PDF) may be obtained at the following web site:

<http://www.dtic.mil/whs/directives/infomgt/forms/eforms/dd1354.pdf>

Submit the completed Checklist for Form DD1354 of Government-Furnished and Contractor-Furnished/Contractor Installed items. Attach this list to the updated DD Form 1354. Instructions for completing the form and a blank checklist (fill-able) in ADOBE (PDF) may be obtained at the following web site:

<http://www.hnd.usace.army.mil/techinfo/UFC/UFC1-300-08/UFC1-300-08.pdf>

15. REQUIRED INSURANCE:

The Contractor shall procure and maintain the entire period of performance under this contract the following minimum insurance coverage:

Type of Insurance	Per Person	Per Accident	Property
a. Comprehensive General Liability	\$300,000	\$500,000	\$100,000
b. Automobile Liability	\$200,000	\$500,000	\$20,000
c. Workmen's Compensation	As required		
d. Other as required by state law.			

15.1 STATEMENT OF INSURANCE:

Prior to commencement of work, the Contractor shall furnish to the Contracting Officer a certificate or written statement of the above required insurance.

16. Standards and Specifications

The following standards and specifications will be used. This is not an exhaustive listing. The most recent edition of those listed below shall be used. Standard Industry practices shall be used and will apply.

16.1 Industry Standards and Codes

AMERICAN WATER WORKS ASSOCIATION (AWWA)

- AWWA C511 Reduced-Pressure Principle Backflow Prevention Assembly

ACI

- ACI 301 Structural Concrete for Buildings
- ACI 318/318R Building Code Requirements for Structural Concrete and Commentary

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

- ASTM A 615/A 615M Deformed and Plain Billet-Steel Bars for Concrete Reinforcement
- ASTM C 39 Compressive Strength of Cylindrical Concrete Specimens
- ASTM C 94 Ready-Mixed Concrete
- ASTM C 136 Sieve Analysis of Fine and Coarse Aggregates
- ASTM C 143 Slump of Hydraulic Cement Concrete
- ASTM C 172 Sampling Freshly Mixed Concrete
- ASTM C 173 Air Content of Freshly Mixed Concrete by the Volumetric Method

- ASTM C 231 Air Content of Freshly Mixed Concrete by the Pressure Method
- ASTM C 260 Air-Entraining Admixtures for Concrete
- ASTM C 309 Liquid Membrane-Forming Compounds for Curing Concrete
- ASTM C 881 Epoxy-Resin-Base Bonding Systems for Concrete
- ASTM D 698 Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft (600 kN-m/m))
- ASTM D 1140 Amount of Material in Soils Finer Than the No. 200 (75-Micrometer) Sieve
- ASTM D 1556 Density and Unit Weight of Soil in Place by the Sand-Cone Method
- ASTM D 1557 Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft (2,700 kN-m/m))
- ASTM D 2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)
- ASTM D 4318 Liquid Limit, Plastic Limit, and Plasticity Index of Soils
- ASTM E 329 Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction

FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH (FCCCHR)

- FCCCHR List List of Approved Backflow Prevention Assemblies
- FCCCHR Manual Manual of Cross-Connection Control

INTERNATIONAL BUILDING CODE (IBC) - with exceptions and additions noted in UFC 1-200-01

INTERNATIONAL MECHANICAL CODE (IMC)

INTERNATIONAL PLUMBING CODE (IPC)

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) - with exceptions and additions noted in UFC 1-200-01 and UFC 3-600-01

- NFPA 1 Uniform Fire Code
- NFPA 241 Safeguarding Construction, Alteration, and Demolition Operations
- NFPA 51B Fire Prevention During Welding, Cutting, and Other Hot Work
- NFPA 70 National Electrical Code
- NFPA 70E Electrical Safety in the Workplace
- NFPA 72 National Fire Alarm Code

16.2 - INDUSTRY REQUIREMENTS

UNITED FACILITIES GUIDE SPECIFICATIONS (UFGS)

U. S. GREEN BUILDING COUNCIL

- USGBC LEED GBRS LEED Green Building Rating System
- USGBC LEED RG LEED Reference Guide

WHOLE BUILDING DESIGN GUIDE (WBDG)

WHOLE BUILDING DESIGN GUIDE, Ensure Occupant Safety and Health (Systems Safety Engineering) at http://www.wbdg.org/design/ensure_health.php

16.3 - GOVERNMENT STANDARDS

UNIFIED FACILITIES CRITERIA (UFC):

The UFC's required by this project are referenced in the contract documents or cross-referenced within referenced documents. The complete list of final UFC documents is located on the Whole Building Design Guide at http://65.204.17.188/report/doc_ufc.html. The following are significant UFC's available on the website above that are applicable to this project:

- UFC 1-200-01, *General Building Requirements*
- UFC 1-300-09N, *Design Procedures*
- UFC 3-120-10N, *Interior Design*
- UFC 3-201-02, *Landscape Architecture*
- UFC 3-220-01N, *Geotechnical Engineering Procedures for Foundation Design of Buildings and Structures*
- UFC 3-270-01, *O&M: Asphalt Maintenance and Repair*
- UFC 3-270-02, *O&M: Asphalt Crack Repair*
- UFC 3-270-03, *O&M: Concrete Crack and Partial Depth Spall Repair*
- UFC 3-270-04, *O&M: Concrete Repair*
- UFC 3-300-10N, *Structural Engineering*
- UFC 3-420-01, *Plumbing Systems*
- UFC 3-580-10, *Design: Navy and Marine Corps Intranet (NMCI) Standard Construction Practices*
- UFC 3-600-01, *Fire Protection Engineering for Facilities*
- UFC 4-010-01, *DoD Minimum Antiterrorism Standards for Buildings*

OTHER NAVY-ONLY UNIFIED FACILITIES CRITERIA:

Other Navy-only UFC's are located in the DESIGN GUIDANCE TAB on the Navy Design-Build Request for Proposal Website at <http://www.wbdg.org/ndbm/DesignGuid/DesignGuid.html?Tab=DesignGuid>. The following are "Draft" Navy-only UFC documents that are applicable as final documents on this project:

- UFC 3-100-10N, *Architecture*
- UFC 3-200-10N, *Civil Engineering*
- UFC 3-400-10N, *Mechanical Engineering*
- UFC 3-500-10N, *Electrical Engineering*
- UFC 3-560-01, *Stationary Battery Room Design*
- UFC 3-580-01, *Telecommunications Systems Inside Plant Planning and Design*
- UFC 3-600-10N, *Fire Protection Engineering*
- UFC 3-800-10N, *Environmental Engineering for Facility Construction*
- UFC 4-020-01, *DOD Security Engineering Facility Planning Manual*

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- UFC 4-021-02NF, *Security Engineering Design of Electronic Security Systems*

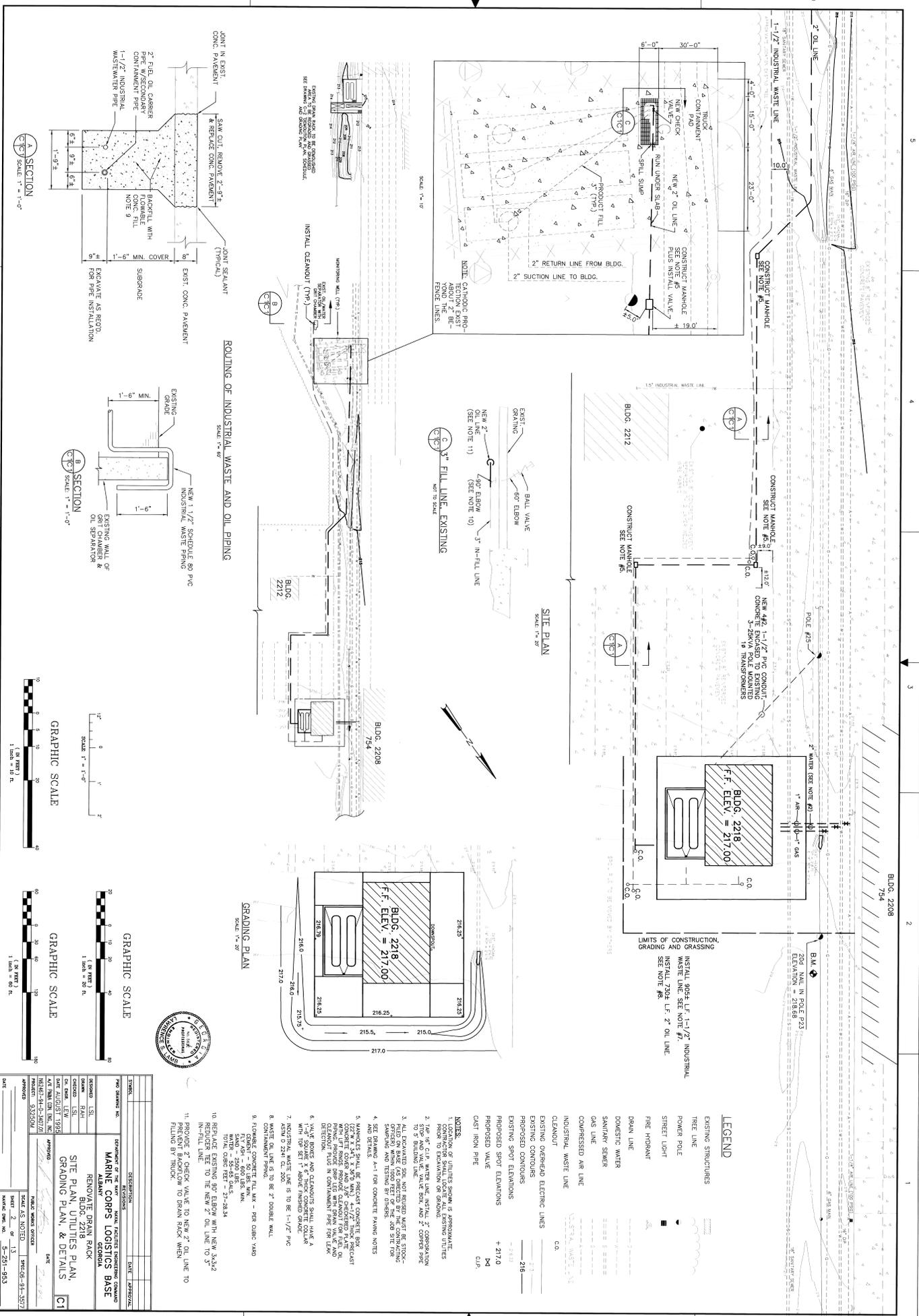
FEDERAL STANDARDS:

Uniform Federal Accessibility Standard (UFAS)
American with Disabilities Act Architectural Guidelines (ADAAG)
Occupational Safety and Health Association (OSHA)

U.S. ARMY CORPS OF ENGINEERS (USACE)

- EM 385-1-1 Safety and Health Requirements Manual
- TM 5-822-5, *Pavement Design for Roads, Streets, Walks, and Open Storage Areas*

---End of Section ---

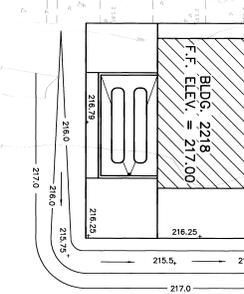


LEGEND

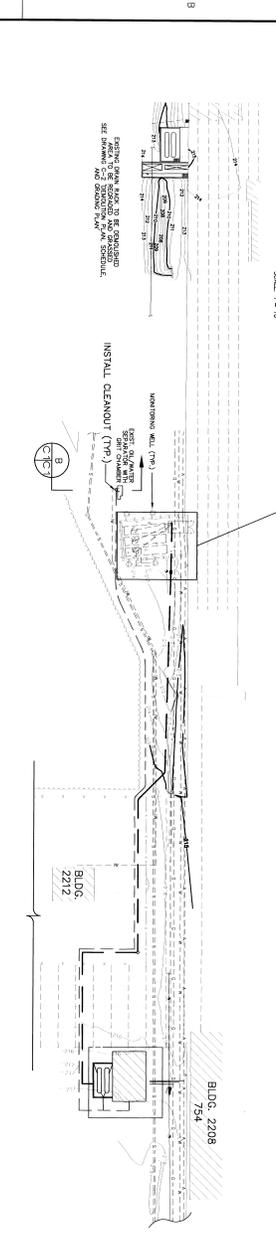
- EXISTING STRUCTURES
- TREE LINE
- POWER POLE
- STREET LIGHT
- FIRE HYDRANT
- DRAIN LINE
- DOMESTIC WATER
- SANITARY SEWER
- GAS LINE
- COMPRESSED AIR LINE
- INDUSTRIAL WASTE LINE
- CLEANOUT
- EXISTING OVERHEAD ELECTRIC LINES
- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING SPOT ELEVATIONS
- PROPOSED SPOT ELEVATIONS
- PROPOSED VALVE
- CAST IRON PIPE

NOTES:
 1. LOCATION OF UTILITIES SHOWN IS APPROXIMATE. VERIFY LOCATIONS AND DEPTHS PRIOR TO EXCAVATION OR GRADING.
 2. 1/4" = 1' C.P. WATER LINE, INSTALL 2" COPPERATION TO 5' BUILDING LINE.
 3. ALL EXCAVATED SOIL NOT REQUIRED MUST BE STOCK-PILED OR REMOVED FROM SITE. STOCK-PILING SHALL BE DONE IN ACCORDANCE WITH LOCAL REGULATIONS AND TESTING BY OTHERS.
 4. SEE DRAWING A-1 FOR CONCRETE PAVING NOTES.
 5. MANHOLES SHALL BE PRECAST CONCRETE RING (22" W. X 34" H. X 40" DIA.) 1-1/2" THICK PRECAST WITH 1/2" GRS. APPROVED CLEANOUT FOR FULL-ON CLEANOUT PIPES IN CONTAINMENT PIPES FOR LEAK DETECTION.
 6. 1/4" SLOPE AND CLEANOUT SHALL HAVE A 1" MIN. COVER.
 7. INDUSTRIAL WASTE LINE IS TO BE 1-1/2" PVC CONTAINMENT PIPING.
 8. WASTE OIL LINE IS TO BE 2" DOUBLE WALL CONTAINMENT PIPING.
 9. FLOWABLE CONCRETE FILL MIX - PER CIVIC YARD WATER - 2500 PSI STRENGTH.
 10. REPLACE EXISTING 90° ELBOW WITH NEW 3/4" 90° IN-FILL LINE TO THE NEW 2" OIL LINE TO 3' FROM BLDG. 2218.
 11. PREVENT BACKFLOW TO DRAIN RACK WHEN FILLING BY TRUCK.

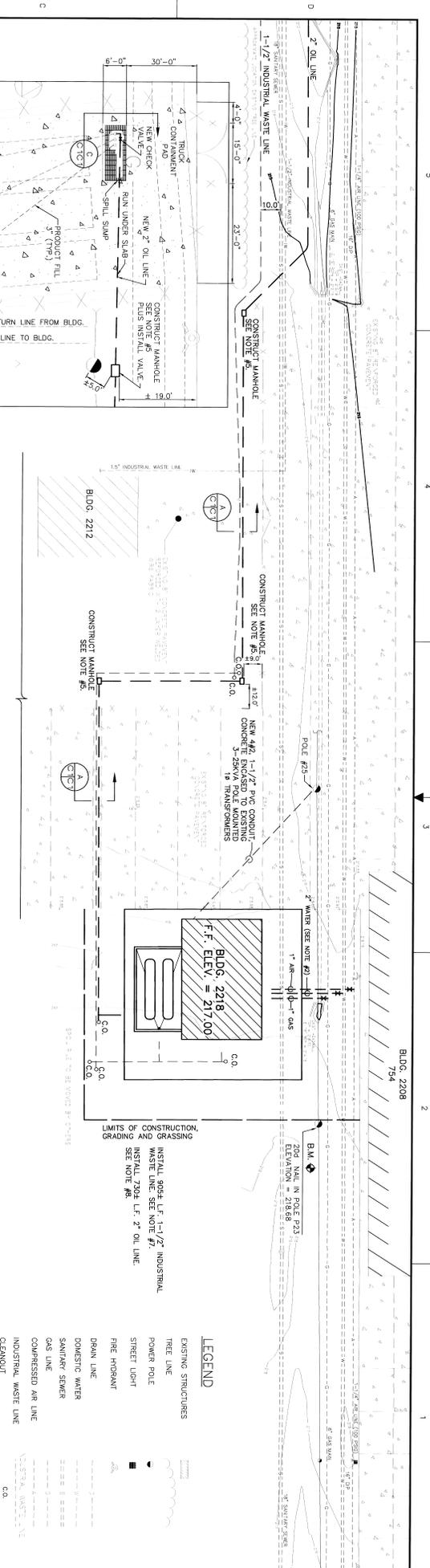
GRADING PLAN
 SCALE 1" = 20'



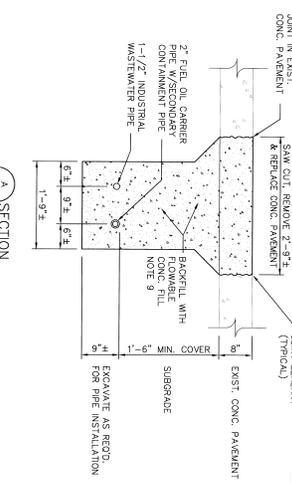
ROUTING OF INDUSTRIAL WASTE AND OIL PIPING
 SCALE 1" = 40'



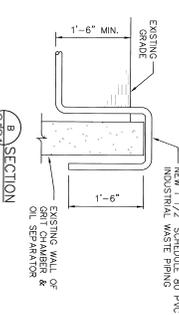
SITE PLAN
 SCALE 1" = 20'



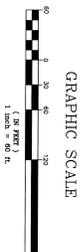
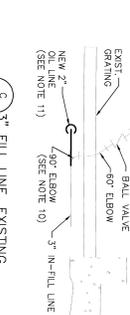
SECTION A
 SCALE 1" = 1'-0"



SECTION B
 SCALE 1" = 1'-0"

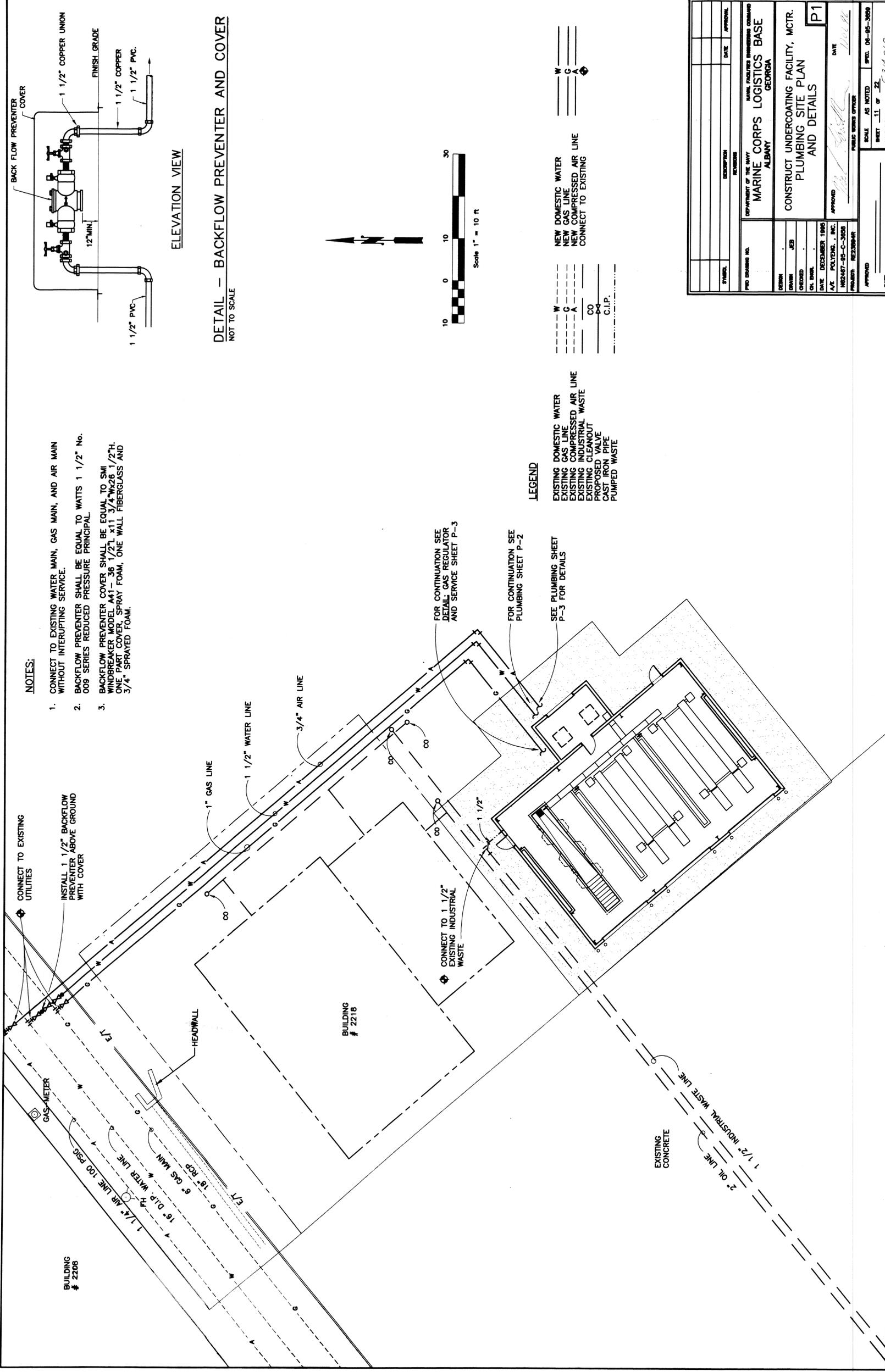


SECTION C
 NOT TO SCALE



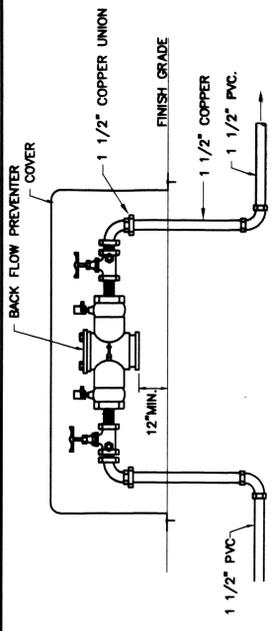
NO.	REVISIONS	DATE	APPROVAL
1	ISSUED FOR PERMITS	05-21-2024	[Signature]
2	ISSUED FOR CONSTRUCTION	06-11-2024	[Signature]

PROJECT NO.	24-00000000
DATE	05-21-2024
PROJECT NAME	RENOVATE DRAIN RACK
CLIENT	MARINE CORPS LOGISTICS BASE
LOCATION	BLDG 2218
SCALE	AS NOTED
DESIGNED BY	[Signature]
CHECKED BY	[Signature]
DATE	05-21-2024
PROJECT NO.	24-00000000
DATE	05-21-2024
PROJECT NAME	RENOVATE DRAIN RACK
CLIENT	MARINE CORPS LOGISTICS BASE
LOCATION	BLDG 2218
SCALE	AS NOTED
DESIGNED BY	[Signature]
CHECKED BY	[Signature]
DATE	05-21-2024



NOTES:

1. CONNECT TO EXISTING WATER MAIN, GAS MAIN, AND AIR MAIN WITHOUT INTERRUPTING SERVICE.
2. BACKFLOW PREVENTER SHALL BE EQUAL TO WATTS 1 1/2" No. 009 SERIES REDUCED PRESSURE PRINCIPAL.
3. BACKFLOW PREVENTER COVER SHALL BE EQUAL TO SMI WINDBREAKER MODEL A41-36 1 1/2" x 1 1/2" x 1 1/2" W/28 1/2" H. ONE (1) COVER, SPRAY FOAM, ONE WALL FIBERGLASS AND 3/4" SPRAYED FOAM.



ELEVATION VIEW

DETAIL - BACKFLOW PREVENTER AND COVER
NOT TO SCALE



LEGEND

- EXISTING DOMESTIC WATER
- EXISTING GAS LINE
- EXISTING COMPRESSED AIR LINE
- EXISTING INDUSTRIAL WASTE
- PROPOSED CLEANOUT
- CAST IRON PIPE
- PUMPED WASTE

- NEW DOMESTIC WATER
- NEW GAS LINE
- NEW COMPRESSED AIR LINE
- CONNECT TO EXISTING

PROJECT NO.	DESCRIPTION	DATE	APPROVAL
NO. 2487-85-C-3458	MARINE CORPS LOGISTICS BASE ALBANY GEORGIA		
DESIGNER	DATE	AS NOTED	SPEC. 06-85-3600
DRWING	DATE	SHEET 11 OF 22	NAVJAG PROJ. NO. 52-314-568
CHECKED	DATE	APPROVED	
DATE	DECEMBER 1985	DATE	
BY	POLYMER, INC.	DATE	
PROJECT	REVISION	DATE	
APPROVED		DATE	

DEPARTMENT OF THE NAVY
MARINE CORPS LOGISTICS BASE
ALBANY
GEORGIA

CONSTRUCT UNDERCOATING FACILITY, MCTR.
PLUMBING SITE PLAN
AND DETAILS

P1