

**PROJECT SCOPE:**  
 PROPOSED PROJECT WILL REPLACE THE EXISTING DISPENSING STATION TANKS WITH NEW TANKAGE, AND OVERFILL CONTROLS; PROVIDE NEW TRANSFER PIPING FROM BULK FUEL FARM TO DISPENSING STATION GAS AND DIESEL TANKAGE; PROVIDE METERS FOR FUEL TRANSFER TO DISPENSING STATION TANKS, AND GAS METERING INTO BULK FUEL TANK.

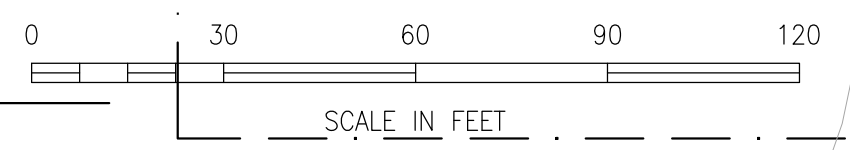
NEW TANKAGE AND PIPING TO CONFORM TO CURRENT REQUIREMENTS OF THE INTERNATIONAL FIRE CODE, AND THE ALASKA ENERGY AUTHORITY/DIVISION OF FIRE PREVENTION MEMORANDUM OF AGREEMENT, AND STATE OF ALASKA REGULATIONS.

SETBACK/SEPARTION REQUIREMENTS	REQUIRED	PROVIDED
FROM DISPENSER TO ALL BUILDINGS AND PROPERTY LINES:	10'	24'/23'
FROM DISPENSER TO FIXED SOURCES OF IGNITION:	20'	28'
FROM DISPENSER TO UNPROTECTED TANKS:	50'	62'
FROM DISPENSER TO BULK TRANSFER AREA:	50'	~180'
FROM UNPROTECTED DISPENSING TANKS TO NEAREST IMPORTANT BUILDING OR NEAREST SIDE OF A PUBLIC WAY:	50'	NA
FROM UNPROTECTED DISPENSING TANKS TO THE NEAREST PROPERTY LINE THAT IS OR CAN BE BUILT UPON:	100'	NA
FROM PROTECTED DISPENSING TANKS (6,000 GAL MAX) TO THE NEAREST IMPORTANT BUILDING OR NEAREST SIDE OF A PUBLIC WAY:	5'	20'/37'
FROM PROTECTED DISPENSING TANKS (6,000 GAL MAX) TO THE NEAREST PROPERTY LINE THAT IS OR CAN BE BUILT UPON:	15'	>40'
FROM 12,001-30,000 GAL BULK STORAGE TANKS TO THE NEAREST PROPERTY LINE WHICH IS OR CAN BE BUILT UPON:	40'	NA
FROM THE BULK TRANSFER HOSE STAND TO THE NEAREST TANK, NEAREST IMPORTANT BUILDING, NEAREST PROPERTY LINE THAT IS OR CAN BE BUILT UPON, COMBUSTIBLE MATERIALS, AND FIXED SOURCES OF IGNITION. DISTANCE MAY BE REDUCED TO 15' IF NOT USED FOR TRANSFER OF CLASS I LIQUIDS:	25'	44'
FROM FUEL TANKS AND PIPELINES TO RESIDENTIAL WATER WELLS:	25'	NA
FROM FUEL TANKS AND PIPELINES TO PUBLIC WATER WELLS:	100'	>3 MILES

**DRAWING INDEX:**

- G-1 PROJECT SITE PLAN
- G-2 BULK FUEL FARM DEMO & PIPING PLAN
- G-3 DISPENSING STATION SITE PLAN
- M-1 GAS STATION SPECIFICATIONS & NOTES
- M-2 GAS STATION PIPING 1-LINE
- M-3 DETAILS AND SCHEMATICS
- E-1 ELECTRICAL SITE PLAN AND NOTES
- E-2 ELECTRICAL PANEL SCHEDULES, 1-LINE, & NOTES
- E-3 DISPENSING STATION ELECTRICAL PLAN
- E-4 TRUCK RACK ELECTRICAL PLAN

1 BULK FUEL TANK FARM PLAN VIEW  
 SCALE: 1" = 30'



**DRAFT**

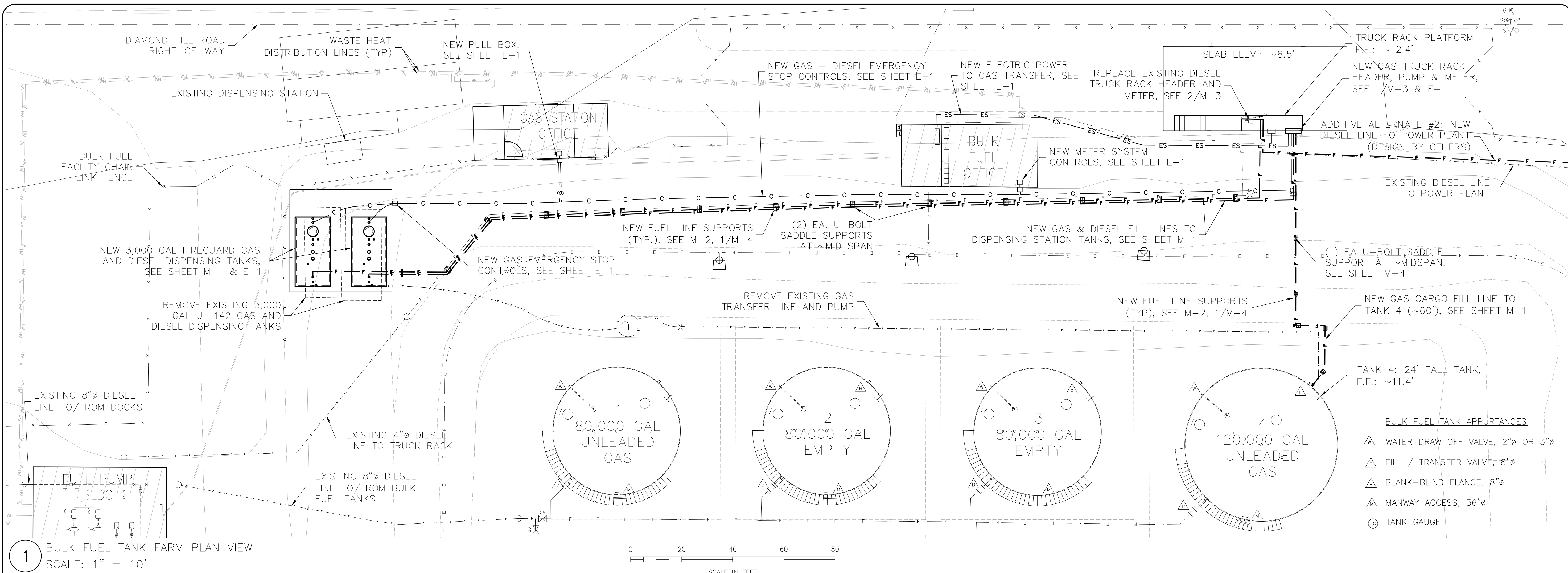
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 ALECC #885

NO.	DATE	REVISIONS

**BULK FUEL FACILITY SITE PLAN NOTES / DRAWING INDEX**  
 Drawing Project  
**CITY OF SAINT PAUL BULK FUEL FACILITY UPGRADE**  
 St. Paul Island, AK

DATE:	10/4/23
DESIGNED:	MD
DRAWN:	JG
CHECKED:	JG
SCALE:	AsNoted
FILE:	CEIP_GasSta2023



1 BULK FUEL TANK FARM PLAN VIEW  
SCALE: 1" = 10'

**GENERAL PROJECT NOTES:**

- CONSTRUCT IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CURRENT EDITION, AS ADOPTED AND AMENDED BY THE LOCAL AND STATE GOVERNMENT, OF THE INTERNATIONAL BUILDING CODE (IBC), INTERNATIONAL FIRE CODE (IFC), LOCAL UTILITY REQUIREMENTS, STATE AND MUNICIPAL CODES, AND GOOD PRACTICE.
- DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW ALL FEATURES OF THE REQUIRED WORK. PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED FOR A COMPLETE SYSTEM. VERIFY EXISTING FIELD CONDITIONS PRIOR TO STARTING CONSTRUCTION. IMMEDIATELY CONTACT THE ENGINEER FOR CLARIFICATIONS OR APPARENT CONFLICTS.
- ALL EQUIPMENT AND MATERIALS ARE TO BE NEW UNLESS SPECIFICALLY OTHERWISE STATED. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, INSTRUCTIONS, AND INSTALLATION DRAWINGS.
- WHERE EQUIPMENT OR MATERIALS ARE NOTED ON THESE DRAWINGS AS A MANUFACTURER AND MODEL NUMBER, OTHER MANUFACTURER'S PRODUCTS THAT ARE EQUAL OR BETTER MAY BE SUBSTITUTED UPON APPROVAL BY THE ENGINEER.
- ALL CONSTRUCTION SHALL BE PERFORMED IN A SAFE, THOROUGH, AND SKILLFUL MANNER IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS AND SPECIFICATIONS, BY WORKERS SKILLED AND REGULARLY EMPLOYED IN THE APPROPRIATE TRADE.
- FIELD LOCATE ALL UTILITIES AND OTHER SUBSURFACE INFRASTRUCTURE PRIOR TO CONSTRUCTION. PROTECT UTILITIES AT ALL TIMES DURING CONSTRUCTION. REPAIR ANY DAMAGE IN ACCORDANCE WITH THE UTILITY'S / OWNER'S REQUIREMENTS.
- COORDINATE UTILITY SERVICE INTERRUPTIONS WITH THE RESPECTIVE UTILITY FORTY-EIGHT (48) HOURS IN ADVANCE OF SERVICE INTERRUPTION.
- CONTRACTOR SHALL COORDINATE WORK REQUIRED FOR THIS PROJECT WITH OTHER CONTRACTORS IN THE AREA, HIS SUBCONTRACTORS AND SUPPLIERS, AND THE OWNER TO MINIMIZE DISRUPTION OF SITE ACTIVITIES DURING CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR ALL SIGNS, BARRICADES, FENCING, WARNING LIGHTS, AND OTHER PROTECTIVE DEVICES NECESSARY FOR WORKER AND PUBLIC SAFETY. PROVIDE TEMPORARY ROAD ACCESS DURING CONSTRUCTION OF NEW UTILITIES WITHIN ROADWAYS.
- CONTRACTOR SHALL NOTIFY ENGINEER FIVE (5) WEEKDAYS IN ADVANCE OF PERFORMING WORK.
- CONTRACTOR SHALL DEVELOP A PLAN TO LIMIT EROSION OF AND OFF THE PROJECT SITE INCLUDING BUT NOT LIMITED TO EROSION FENCING AND BARRIERS AND FILTRATION OR IMPOUND AND SETTLEMENT.
- A ONE YEAR GUARANTEE SHALL BE FURNISHED FOR ALL MATERIALS AND LABOR COMMENCING UPON FINAL COMPLETION OF THE WORK. CALLBACK REPAIRS AND REPLACEMENTS SHALL BE COMPLETED IN A TIMELY MANNER AND AT NO COST TO THE OWNER.

**SURVEY CONTROL**

- HORIZONTAL DATUM IS NAD 83 UTM PROJECTION, ZONE 08. COORDINATES ARE BASED ON HOLDING USC&GS STATION "VILLAGE HILL RESET" AS: N: 1,140,727.16 E: 1,584,338.84
- BASIS OF BEARING FOR THIS PROJECT IS THE BEARING OF N12°42'45"E FOR THE LINE BETWEEN USC&GS STATIONS "VILLAGE HILL RESET" AND "TELEGRAPH HILL" 1951.
- VERTICAL CONTROL IS TIDAL BENCH MARK 4212P ELEVATION =12.46' FROM DATA SUPPLIED BY NOAA. MLLW=0.00' MHHW=3.19'

**DESIGN LOADS:**

ROOF LIVE LOAD: 30 PSF  
WIND LOAD: 160 MPH, EXP. C  
SEISMIC LOAD: MCEr (0.2S) = 0.25  
MCEg (1.0S) = 0.15

**DEMOLITION:**

- EXISTING PIPING AND FACILITIES SHOWN TO BE DEMOLISHED SHALL BE REMOVED FROM AREA TO ALLOW CONSTRUCTION OF NEW FACILITIES.
- MATERIALS SHALL BE PURGED OF RESIDUAL FUEL IN AN APPROVED MANNER AND DISPOSED OF IN THE AREA OF THE CITY LANDFILL DESIGNATED BY THE OWNER.

**EARTHWORK:**

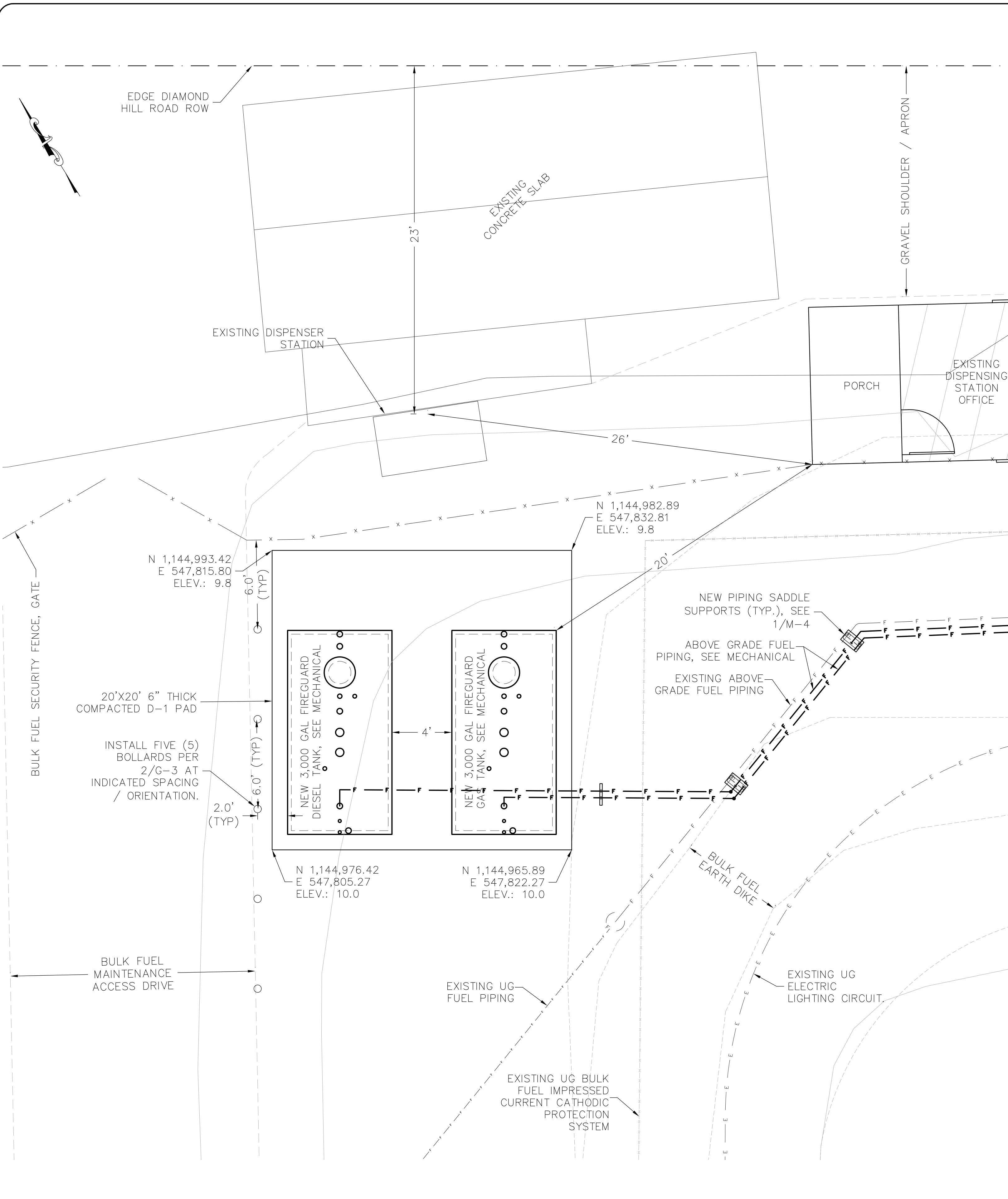
- PROVIDE ALL LABOR, MATERIALS, TOOLS, AND EQUIPMENT NECESSARY FOR SITE GRADING, FILL, TRENCHING AND BACKFILL TO THE LINES, GRADES INDICATED IN THE CONSTRUCTION PLANS.
- EXCAVATED MATERIAL CONTAINING LUMPS, FROZEN OR ORGANIC MATERIAL OR OTHER DELETERIOUS MATTER SHALL BE PLACED IN A DISPOSAL AREA APPROVED BY THE OWNER OUTSIDE THE FOOTPRINT OF THE PROPOSED NEW WORK.
- PIPE AND CONDUIT BEDDING AND BACKFILL SHALL BE 3/4-INCH MINUS WELL GRADED CLEAN MINERAL MATERIALS AND COMPACTED TO 90% OF MAXIMUM MODIFIED PROCTOR DENSITY UNDER PIPES AND CONDUITS.
- TRENCH BACKFILL SHALL BE INSTALLED IN MAXIMUM LIFTS OF 1 FOOT THICKNESS AND COMPACTED TO 90% OF MAXIMUM MODIFIED PROCTOR DENSITY IN ROADWAYS, AND TO 85% OF MAXIMUM MODIFIED PROCTOR IN ALIGNMENTS OUTSIDE ROADWAYS.
- CONTRACTOR SHALL RESTORE TO PRECONTRACT CONDITION ANY PUBLIC OR PRIVATE PROPERTY DISTURBED BY CONTRACT ACTIVITY.
- IN THE EVENT ANY CONTAMINATED SOILS ARE DISCOVERED DURING EXCAVATION, THE CONTRACTOR SHALL DISPOSE OF IN ACCORDANCE WITH STATE OF ALASKA REGULATIONS AND BACK FILL WITH NEW BACKFILL MATERIAL SPECIFIED ABOVE.

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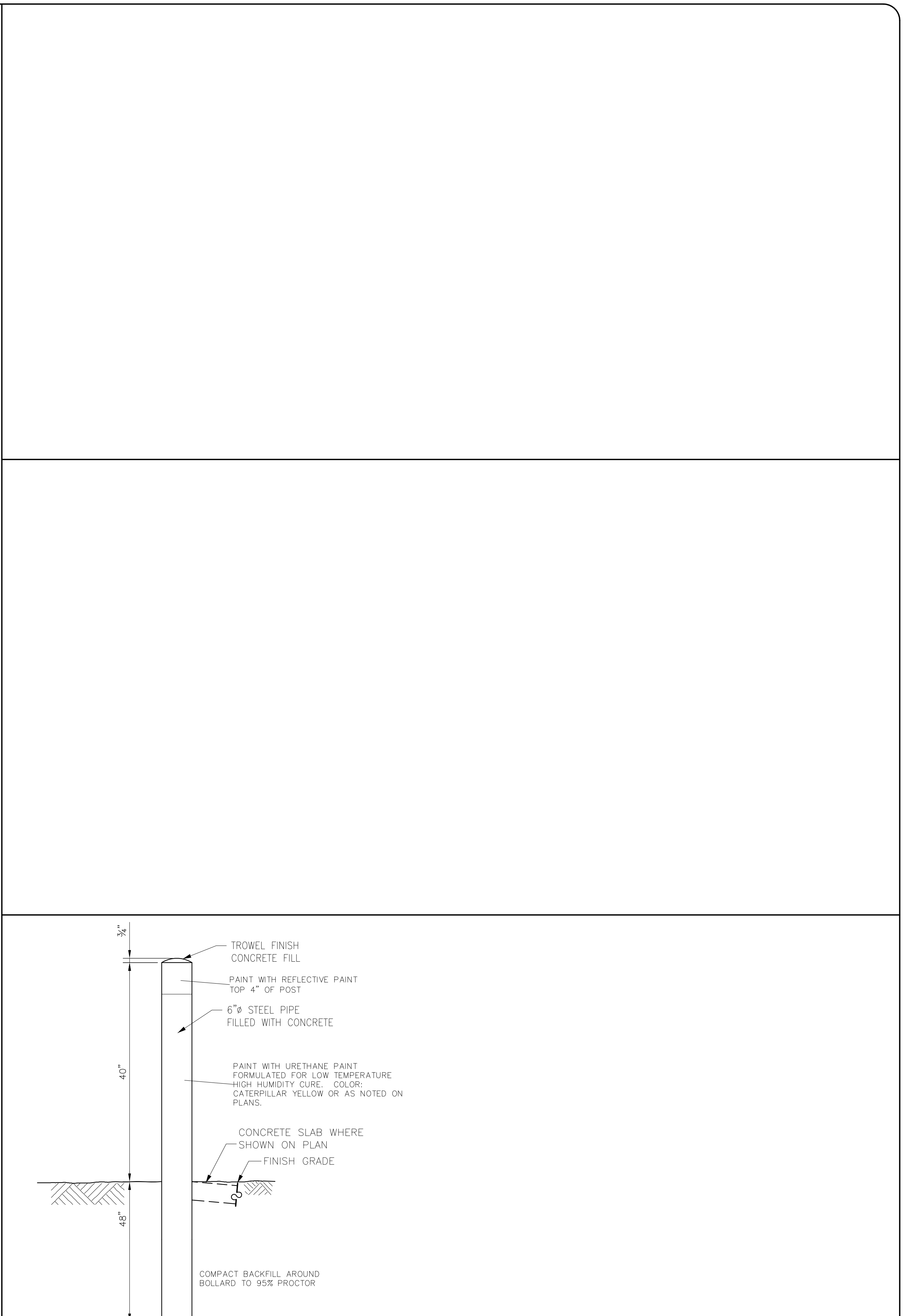
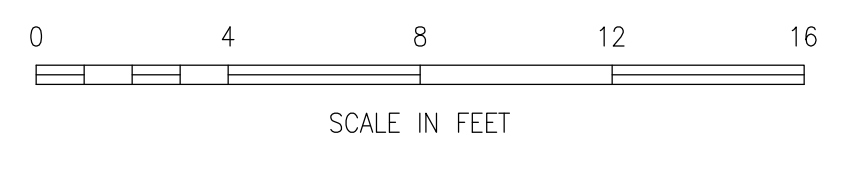
NO.	DATE	REVISIONS

Drawing: **PIPING & DEMOLITION PLAN NOTES**  
Project: **CITY OF SAINT PAUL BULK FUEL FACILITY UPGRADE**  
St. Paul Island, AK

DATE: 10/4/23  
DESIGNED: MD  
DRAWN: JG  
CHECKED: JG  
SCALE: AsNoted  
FILE: CEIP\_GasSta2023

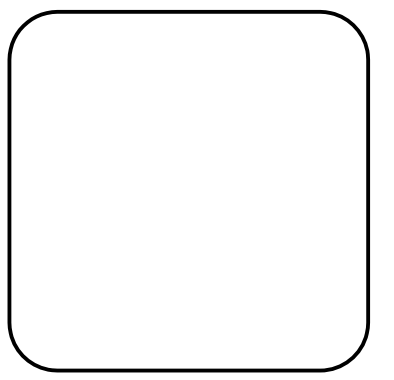


1 DISPENSING STATION -- PLAN VIEW  
SCALE: 1" = 4'



2 TYPICAL BOLLARD  
SCALE: NTS

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NO.	DATE	REVISIONS

Drawing  
**GAS STATION PLAN AND DETAILS**  
Project  
**CITY OF SAINT PAUL BULK FUEL FACILITY UPGRADE**  
St. Paul Island, AK

DATE: 10/6/2023  
DESIGNED: MD  
DRAWN: JG  
CHECKED: JG  
SCALE: AsNoted  
FILE: CEIP\_GasSta2023

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**G-3**  
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