

NOTES:

1. THE FUEL TANK, APPURTENANCES, AND ASSOCIATED PIPING SHALL MEET ALL U.S. EPA, STATE OF MAINE DEQ, STATE FIRE MARSHAL, NFPA, NEC, MANUFACTURER'S INSTRUCTIONS, LOCAL FIRE DEPARTMENT AND LOCAL REQUIREMENTS, CODES AND GUIDELINES.
2. ABOVEGROUND PIPING SHALL COMPLY WITH NFPA 30, "FLAMMABLE AND COMBUSTIBLE LIQUIDS CODE" AND ASME B31.9, "BUILDING SERVICES PIPING," FOR FUEL OIL PIPING MATERIALS, INSTALLATION, INSPECTION, AND TESTING. STAINLESS STEEL PIPING SHALL CONFORM TO ASTM A312, PIPE, 304L, STAINLESS STEEL, SCHEDULE 40S. STAINLESS STEEL PIPING SHALL HAVE SOCKET WELD FITTINGS AND SOCKET WELD 150# RF FLANGES. ON GEN-SET FUEL LINE CONNECTIONS WITH MNPT STUB-OUTS, CONTRACTOR SHALL INSTALL A THREADED 150# RF FLANGE OF THE SAME MATERIAL AS THE PIPING THE FLANGE IS BEING THREADED TO. FLANGE INSULATING GASKET KITS SHALL BE USED IN CASES WHERE A CARBON STEEL FLANGE IS BEING MATED TO A STAINLESS STEEL FLANGE. ANY REMAINING CARBON STEEL PIPING THAT IS EXPOSED SHALL BE PAINTED AS PER THE SPECIFICATION. GALVANIZED PIPE IS NOT PERMITTED FOR USE FOR FUEL OIL PIPING OR VENT PIPING.
3. (PS-1) PIPE SUPPORT DESIGNATOR. SEE DWG S-501.
4. SEE DRAWING M-601 AND SPECIFICATION SECTION 23 10 20 FOR FULL SCOPE OF WORK FOR THE FUEL OIL SYSTEM.
5. SEE DRAWING S-502 FOR SIGN DETAILS. INSTALLATION CONTRACTOR SHALL DETERMINE EXACT LOCATION TO CLEAR UNDERGROUND ELECTRICAL.
6. PROVIDE A 4A-40BC (MINIMUM RATING) 10 LB FIRE EXTINGUISHER CONFORMING TO NFPA 10, AND APPLICABLE SECTIONS OF NFPA 1, 13.6. PROVIDE LOCKABLE OUTDOOR CABINET WITH BREAKER BAR, SIGNS AND ACCESSORIES AS REQUIRED. VERIFY LOCAL REQUIREMENTS WITH FIRE MARSHAL PRIOR TO PURCHASE. INSTALL FIRE EXTINGUISHERS WHERE INDICATED ON THE DRAWING. COMPLY WITH THE MANUFACTURER'S RECOMMENDATIONS FOR ALL INSTALLATIONS. PROVIDE EXTINGUISHERS COMPLETE WITH MANUFACTURER'S WARRANTY WITH INSPECTION TAG ATTACHED. EXTINGUISHER SHALL BE INSTALLED, INSPECTED, AND TAGGED BY A LICENSED FIRE EXTINGUISHER COMPANY.
7. UNDERGROUND FLEXIBLE PIPING AND CONTAINMENT SYSTEM ARE IDENTIFIED WITH OPW FLEXWORKS MODEL NUMBERS. SYSTEM SHALL BE OPW FLEXWORKS OR APPROVED EQUAL.
8. UNDERGROUND DOUBLE CONTAINMENT SYSTEM SHALL BE PROVIDED BY CONTRACTOR AS A COMPLETE SYSTEM DESIGNED AND FABRICATED BY THE CONTAINMENT SYSTEM MANUFACTURER WITH RESPECT TO THE DRAWINGS, SPECIFICATIONS, AND THE CONDITIONS OF THE SITE. INSTALLATION OF UNDERGROUND DOUBLE CONTAINMENT SYSTEM SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.



Project Manager	
DC Designer	
Structural	
MECHANICAL	
Plumbing	
Electrical	
Check	

ISSUED FOR CONSTRUCTION	0	11/7/12	Approved
Description		Date	

Designed by	DBH
Checked by	DBH
Drawn by	RAM
Reviewed by	CHB
Date	2012

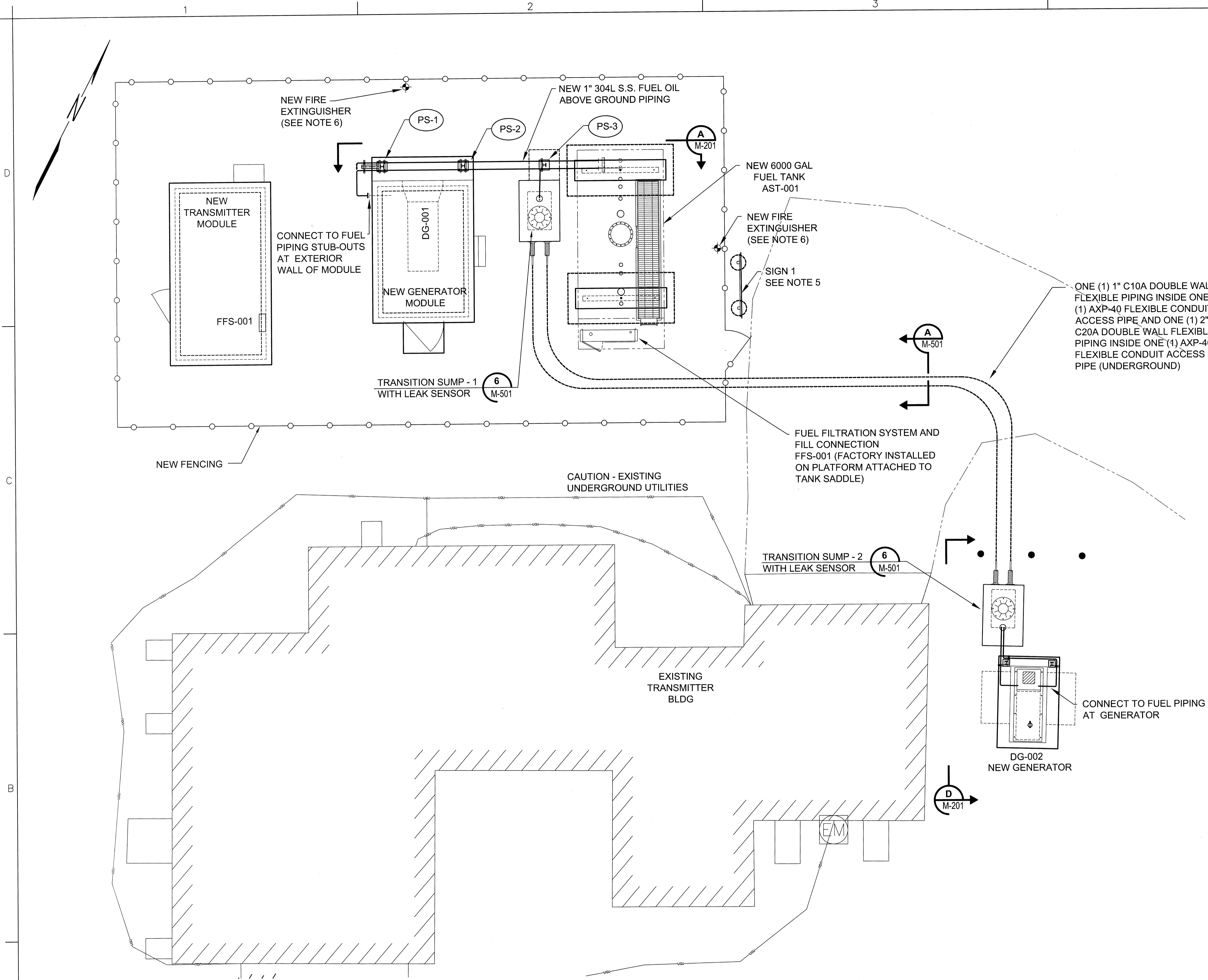
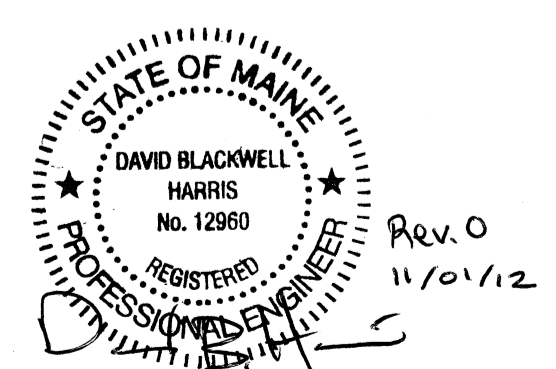
63 SOUTH ROYAL STREET SUITE 200
 PORTLAND, MAINE 04101
 PHONE: (207) 402-7600
 FAX: (207) 402-7888

KBR
 Engineering Co., LLC

FEMA EMERGENCY RADIO NETWORK
 ON WGAN PORTLAND, MAINE

MECHANICAL PLAN

Drawing Number:
M-101



MECHANICAL PLAN
 SCALE: 3/16"=1'-0"
 0' 5' 10' 20'
 3/16"=1'-0"

EQUIPMENT SCHEDULE					
TAG	ITEM	FURNISHED BY	INSTALLED BY	DESCRIPTION	REMARKS
AST-001	ABOVEGROUND STORAGE TANK	OWNER	CONTRACTOR	6,000 GAL. DBL-WALL, UL-2085	PART OF FUEL SYSTEM PACKAGE
DG-001	FEMA GEN-SET	OWNER	OWNER	35 KW IN HEMP SHLD MODULE	PART OF HEMP MODULE PACKAGE
DG-002	NEW GEN-SET	OWNER	CONTRACTOR	75 KW W/ ENCLOSURE & SUB BASE TANK	OWNER TO FURNISH CONTRACTOR TO INSTALL
FFS-001	FUEL FILL/FILTRATION SYSTEM	OWNER	CONTRACTOR	FILL PORT W/ FILTRATION	PART OF FUEL SYSTEM PACKAGE (ON PLATFORM ATTACHED TO TANK)
FSCP-001	FUEL SYSTEM CONTROL PANEL	OWNER	OWNER (SEE ELECTRICAL DWGS & SPECS)	FUEL MONITORING SYSTEM	PART OF FUEL SYSTEM PKG (INSTALLED INSIDE TRANSMITTER MODULE)