CIVIL EQUIPMENT

	EQUIPMENT DESCRIPTION	
	US EQUIPMENT	
C-01	ZCL 15,000 GALLON DOUBLE WALL FIBERGLASS TANK – 8'-6"	(US)
C-02	ZCL 15,000 GALLON SPLIT (8,000/7,000) COMPARTMENTAL DOUBLE WALL FIBERGLASS TANK – 8'-6"	(US)
C-03		(US)
C-04		(US)
C-05	ZCL 8'-6" DIA TANK HOLD DOWN STRAPS	(US)
C-06	ZCL 10'-5 1/2" DIA TANK HOLD DOWN STRAPS	(US)
C-07	ZCL – 12"x12"x12' LONG CONCRETE DEADMAN	(US)
C-08	ZCL – 12"x12"x16' LONG CONCRETE DEADMAN	(US)
	CAN EQUIPMENT	
C-09	ZCL 65,000 LITER SPLIT (25,000/40,000) LITER COMPARTMENTAL DOUBLE WALL FIBERGLASS TANK	(CAN)
C-10	ZCL 8'DIA TANK HOLD DOWN STRAPS	(CAN)
C-11	ZCL 8'DIA 65,000 LITER TANK ANCHORS	(CAN)
C-12	ZCL 24" x 18" x 18'-6" 65,000 LITER TANK DEADMEN	(CAN)
C-13	ZCL 24" x 18" x 10'-6-1/2" 65,000 LITER TANK DEADMEN	(CAN)
C-14	HG-228 3/4" X 18" TURNBUCKLE	
C-15	8" THICK CONCRETE PAD WITH #4 REBAR EVERY 20" c/c BOTH WAYS, 2½" FROM THE BOTTOM AND 1-1/2" FROM THE TOP.	
C-16	6" THICK CONCRETE PAD WITH WWF 6x6-W6.0xW6.0	
C-17		
C-18	3'W X 14'L X 9"H W/ 6" RADIUS ENDS TO BE FORMED NO METAL ISLAND FORMS TO BE INSTALLED	
C-19	FORMEX 4'OD x 36"W x 54"H U-SHAPED BOLLARD	
C-20	8" sch 80 PRIMERED STEEL PIPE BOLLARD 11' long	
C-21	Galvanized Chain Link Fencing and galvanized posts and accessories – (black)	
C-22	LARSEN'S MODEL AL2712-SM FIRE EXTINGUISHER CABINET	
C-23	LARSEN'S Fire Extinguisher MP-20	
C-24	SIKIFLEX 1CSL SELF LEVELING CAULKING	
C-25	6" X 3/4" FLEXIBLE FOAM W/ 3/4" REMOVABLE CAULKING STRIP	
C-26	2" POLYSTYRENE BOARD	
C-27	TANK GAUGE STICK	
C-28	CORRUGATED METAL PIPE SLEEVE 60" DIA. HELICALLY WOUND 12 GAUGE STEEL, GALV. BOTH SIDES	
C-29	–	
C-30	–	
C-31	FRANK MAYER WASTE CAN	
C-32	FRANK MAYER WINDSHIELD WASH STATION WITH PAPER TOWEL	
C-33	FRANK MAYER WINDSHIELD WASH AND OIL DISPLAY	
C-34	–	
C-35	–	

ELECTRICAL EQUIPMENT

	EQUIPMENT DESCRIPTION
E-01	V-R TLS-450 PLUS CONSOLE
E-02	V-R CSLD MODULE (SINGLE WALL TANKS ONLY) #330160-002
E-03	V-R 4-INPUT PROBE MODULE #329356-002
E-04	V-R 8-INPUT INTERSTITIAL SENSOR MODULE #329358-001
E-05	V-R PRESSURIZED LINE LEAK INTERFACE MODULE #330374-001
E-06	V-R NON-DISCRIMINATING SUMP SENSOR #794380-208
E-07	UNIVERSAL SENSOR MOUNTING KIT # 330020-012
E-08	
E-09	
E-10	
E-11	V-R MAG PROBE (8') #846390-107
E-12	V-R MAG PROBE (10') #846390-109
E-13	V-R FLOAT KIT (GASOLINE) #846400-000
E-14	V-R FLOAT KIT (DIESEL) #846400-001
E-15	VEEDER-ROOT HYDROSTATIC RESERVOIR SENSOR #794380-303 (WHEN REQUIRED FOR BRINE FILLED APPLICATIONS)
E-16	"
E-17	"
E-18	V-R DIGITAL PRESSURE LINE LEAK DETECTOR #859080-001 (FOR TLS-450)
E-19	MORRISON 4" CAP AND RING KIT #312020-952
E-20	V-R 2" INTERTITIAL CAP AND ADAPTER #305XPA-2400
E-21	V-R SITEFAX/MODEM MODULE #330149-002
E-22	"
E-23	UNION (SIZE AS REQUIRED)
E-24	CONDUIT SEAL FITTING (SIZE AS REQUIRED)
E-25	WEATHER-PROOF JUNCTION BOX (SIZE AS REQUIRED)
E-26	XP JUNCTION BOX – STEEL BODY, COVER AND HARDWARE (NO EXCEPTIONS)
E-27	BETA LED CANOPY FIXTURE (SEE LIGHTING PLAN BY OTHERS)
E-28	BETA LED CANOPY FIXTURE (SEE LIGHTING PLAN BY OTHERS)
E-29	TELEPHONE LINE PROTECTOR ONEAC #RJ-11AP
E-30	BETA LED CANOPY FIXTURE. SEE LIGHTING PLAN BY RED LEONARD FOR FIXTURE TYPE & LOCATION.
E-31	10 CHANNEL INTERCOM CONSOLE #AIPLEF-10 12 CHANNEL INTERCOM CONSOLE #AIPLAF-20
E-32	PERFORMANCE SERIES 1 CHANNEL, 8 STATION 1 SELECTOR INTERCOM 3-M 78-6911-4796-7
E-33	PERFORMANCE SERIES 4 STATION INTERFACE CARD 3-M 78-8117-3900-8
E-34	PERFORMANCE SERIES STATION SELECTOR 3-M 78-9236-6513-3
E-35	ALL MUSIC ADAPTER – AIPBG-10C
E-36	SURFACE MOUNT DOOR SYSTEM – AIPLE-D
E-37	POWER SUPPLY – AIPPS1225VL

MECHANICAL EQUIPMENT

	EQUIPMENT DESCRIPTION	
M-01	GILBARCO ENCORE 700S NN1 SINGLE HOSE MPD DISPENSER (GASOLINE)	
M-02	GILBARCO ENCORE 700S NL1 (3+1) DISPENSER (GASOLINE AND DIESEL)	
M-03	FE PETRO 4HP SUBMERSIBLE PUMP	
M-04	FE PETRO 4HP MAG-VFC SUBMERSIBLE PUMP CONTROLLER VARIABLE SPEED CONTROLLER	
M-05	FE PETRO 3/4HP SUBMERSIBLE TURBINE	
M-06	FE PETRO 3/4HP VFC-SC SUBMERSIBLE PUMP CONTROLLER	
M-07	FE PETRO 2HP SUBMERSIBLE PUMP	
M-08	FE PETRO 2HP SUBMERSIBLE TURBINE CONTROLLER VFC VARIABLE SPEED CONTROLLER	
M-09	EBW 781-443-12-GRY 42" MANHOLE	
M-10	ZCL FIBERGLASS TANK SUMP – 42" DIA. WATERTIGHT	(US)
M-11	ZCL 48" DIA. FIBERGLASS TANK SUMP	(CAN)
M-12A	APT- LMM-3617-S FIBERGLASS DISPENSER CONTAINMENT SUMP (ENCORE 500S)	
M-12B	APT- LMM-3617-S-DEEP FIBERGLASS DISPENSER CONTAINMENT SUMP (ENCORE 500S)	
M-13	APT- SBK-3 STABILIZER BAR KIT	
M-14	DIESEL NOZZLE OPW AUTOMATIC-CLOSING NOZZLE (11B-0900) YELLOW DIESEL	
M-15	OPW DIESEL TWO PLANE 3/4" SWIVEL (45-5060)	
M-16	DIESEL GOODYEAR 5/8" X 9' HOSE (HARDWALL)	
M-17	DIESEL OPW RECONNECTABLE BREAKAWAY VALVE (#66REC-1000)	
M-18	DIESEL GOODYEAR SHORT WHIP HOSE 9" LONG (HARDWALL) 12" IF STAGE 2	
M-19	GASOLINE NOZZLE OPW UNLEADED AUTOMATIC-CLOSING NOZZLE (11BP-0400)	
M-20	GASOLINE OPW RECONNECTABLE BREAKAWAY VALVE (#66REC-1000)	
M-21	GASOLINE GOODYEAR SHORT WHIP HOSE 9" LONG (HARDWALL) 12" IF STAGE 2	
M-22	GASOLINE GOODYEAR LONG HOSE 5/8" X 9' LONG (HARDWALL)	
M-23	APT- XP-175-SC-500 PLOY-TECH COAXIAL PRIMARY (1 3/4") PIPE	
M-23A	APT- XP-150-SC-500 PLOY-TECH COAXIAL PRIMARY (1 1/2") PIPE	
M-24	APT- MS-XP-175-200 SWIVEL PIPE FITTING	
M-25	APT- DEB-175-SC FLEXIBLE ENTRY BOOT	
M-26A	APT- FEB-200-D (2") ENTRY BOOT FOR (STAGE II & DIESEL APPLICATIONS)	
M-26B	APT- FEB-300-D (3") ENTRY BOOT FOR STAGE II APPLICATIONS	
M-27	APT- FEB-075-SC FLEXIBLE ENTRY BOOT FOR 3/4" AND 1" CONDUIT	
M-28	APT- FEB-100-D ENTRY BOOT	
M-29	APT- STB-175 TEST BOOT	
M-30	APT- DCT-400- 4" CONTAINMENT PIPE	
M-31A	EMCO WHEATON 15 GAL. DOUBLE WALL TESTABLE SPILL BUCKET-NO DRAIN A1004EVR-216SX (PAINTED WHITE FOR REGULAR FILL)	
M-31B	EMCO WHEATON 15 GAL. DOUBLE WALL TESTABLE SPILL BUCKET-NO DRAIN A1004EVR-216SX (PAINTED RED FOR PREMIUM FILL)	
M-31C	EMCO WHEATON 15 GAL. DOUBLE WALL TESTABLE SPILL BUCKET-NO DRAIN A1004EVR-216SX (PAINTED YELLOW FOR DIESEL FILL)	
M-31D	EMCO WHEATON 15 GAL. DOUBLE WALL TESTABLE SPILL BUCKET-NO DRAIN A1004EVR-216SV (PAINTED ORANGE FOR VAPOR RECOVERY)	
M-32	HOSEMASTER FSMS 2"M X 12"M X LENGTH BY CONTRACTOR "FIRESAFE" FLEX CONNECTOR W/SWIVEL (FOR PRODUCT)	
M-33		
M-34	EBW SR1809WT 18" ROUND MANHOLE 9" SKIRT	
M-35	EBW 810-302-01 MONITOR WELL MANHOLE	
M-36	EBW 715-470-01 15 GAL SPILL CONTAINER – SINGLE WALL	
M-37	EBW 705-470-01 5 GAL SPILL CONTAINER – SINGLE WALL	
M-38		
M-39	EBW UNLEADED REGULAR #787-400-01	
M-40	EBW UNLEADED PREMIUM #787-400-03	
M-41	EBW VAPOR RECOVERY #787-400-08	
M-42	EBW DIESEL LOW SULFUR #787-400-11	
M-43	EBW DIESEL HIGH SULFUR #787-400-12	
M-44		
M-45	GALVANIZED 1 3/4" 45° ELBOW GE45-200	
M-46	GALVANIZED 2 x 2 x 1 1/2 STEEL TEE GT-215	
M-47	GALVANIZED 1 3/4" 90° ELBOW GE90-200	
M-48	1 3/4" SCH. 40 PIPE	
M-49		
M-50	FRANKLIN FUELING SYSTEMS OVERFILL PREVENTION VALVE -DEFENDER #708-592-902	
M-51	EMCO WHEATON A0030-124S 4" x 4" FILL SWIVEL ADAPTOR (GAS)	
M-52	EMCO WHEATON A0030-124S 4" x 4" FILL SWIVEL ADAPTOR	
M-53	EMCO WHEATON A0030-124S (4"x3") ADAPTER FILL (DIESEL)	
M-54	EMCO WHEATON A0076-124S VAPOR SWIVEL ADAPTER (GAS)	
M-55	EMCO WHEATON A0097-005 EVR ADAPTER CAP	
M-56	EBW 779-200-01 (3") ADAPTER CAP (DIESEL)	
M-57	EMCO WHEATON A0099-002 VAPOR RECOVERY CAP	
M-58	EBW 311-400-01 VENT VALVE EXTRACTOR 4 X 4 X 3	
M-59	EBW 310-400-01 VENT VALVE EXTRACTOR 4 X 4 X 2	
M-60	EBW 311-400-01 VENT VALVE EXTRACTOR 4 X 4 X 3 X 3	
M-61	–	
M-62	OPW 623V-3203 PRESSURE VACUUM VENT CAP (GASOLINE)	
M-63	OPW 23-0033 OPEN VENT CAP (DIESEL)	
M-64	EBW 662-440-06 1 1/2" DOUBLE POPPET MALE EMERGENCY SHUT OFF VALVE	
M-65	EBW 362-204-02 VAPOR SHEAR VALVE	
M-66	EBW 772-102-01 LOCKABLE MONITORING CAP	
M-67	MORRISON 636M--0200 AVU 2"x2" EMERGENCY SHUT OFF VALVE	

MECHANICAL EQUIPMENT

	EQUIPMENT DESCRIPTION
M-68	1 1/2" GALV. RISER
M-69	2"x 1 1/2" STEEL REDUCER NPT
M-70	2" FULL PORT BALL VALVE
M-71	2" Dia SCH. 40 Galv. Steel Pipe 21BV-0200
M-72	2" Dia Galv. Steel Union
M-73	2" Dia Galv. Steel 90 Elbow
M-74	2" Dia. Galv. Steel 45 Elbow
M-75	2" GALV. STEEL TEE
M-76	2" Dia. Galv. Steel coupling
M-77	2" Galvanized Steel u-bolts
M-78	Galvanized Steel 2" NPT Threaded Cap
M-79	3" SCH. 40 Galv Steel Pipe
M-80	3" Galv. Steel Coupling
M-81	3" Dia. Galv. Steel 90 Elbow
M-82	3" Galvanized Steel TEE
M-83	3" Galvanized Steel u-bolts
M-84	4" SCH. 40 Galv Steel Pipe
M-85	4" Galv Steel CAP
M-86	4" Galv. Riser – Length as Required
M-87	
M-88	4" PVC pipe – Length as Required
M-89	
M-90	4"ø SLOTTED (.010") PVC PIPE
M-91	4"ø SCH. 40 PVC SLIP-ON CAP
M-92	4" PIPE CAP
M-93	
M-94	2" AMERON FRP PIPING
M-95	2" AMERON FRP 90° ELBOW (SOCXSOC)
M-96	2" AMERON FRP 45° ELBOW (SOCXSOC)
M-97	2" AMERON FRP TEE (SOCXSOCXSOC)
M-98	2" AMERON FRP SPIGOT X MT ADAPTER
M-99	2" AMERON FRP SPIGOT X FT ADAPTER
M-100	2" AMERON FRP BELL X MT ADAPTER
M-101	2" AMERON FRP BELL X FT ADAPTER
M-102	
M-103	3" AMERON FRP PIPING
M-104	3" AMERON FRP 90° ELBOW (SOCXSOC)
M-105	3" AMERON FRP 45° ELBOW (SOCXSOC)
M-106	3" AMERON FRP TEE (SOCXSOCXSOC)
M-107	3" AMERON FRP SPIGOT X MT ADAPTER
M-108	3" AMERON FRP SPIGOT X FT ADAPTER
M-109	3" AMERON FRP BELL X MT ADAPTER
M-110	3" AMERON FRP BELL X FT ADAPTER
M-111	3" AMERON FRP 3" X 2" REDUCER COUPLING (SOCXSOC)
M-112	
M-113A	GILBARCO ENCORE S ULTRA HI OUTPUT DISPENSER – MASTER (NP3)
M-113B	GILBARCO ENCORE S ULTRA HI COMBO DISPENSER – MASTER/SATELLITE (NP4)
M-113C	GILBARCO ENCORE S ULTRA HI OUTPUT SATELLITE DISPENSER (NP5)
M-113D	GILBARCO ENCORE S ULTRA HI OUTPUT DEF+1 MASTER (NPA)
M-113E	GILBARCO ENCORE S ULTRA HI COMBO MASTER/SATELLITE COMBO + DEF (NPB)
M-114	APT LMM-3617-S FIBERGLASS DISPENSER SUMP (ENCORE 500S ULTRA HI)
M-115	APT- XP-200-SC-200 PLOY-TECH COAXIAL PRIMARY (2") PIPE
M-116	APT- MS-XP-200-200 SWIVEL PIPE FITTING
M-117	APT- DEB-200-SC FLEXIBLE ENTRY BOOT
M-118	APT- STB-200 TEST BOOT
M-119	
M-120	4" AMERON FRP PIPING
M-121	4" AMERON FRP 90° ELBOW (SOCXSOC)
M-122	4" AMERON FRP 45° ELBOW (SOCXSOC)
M-123	4" AMERON FRP TEE (SOCXSOCXSOC)
M-124	4" AMERON FRP SPIGOT X MT ADAPTER
M-125	4" AMERON FRP SPIGOT X FT ADAPTER
M-126	4" AMERON FRP BELL X MT ADAPTER
M-127	4" AMERON FRP BELL X FT ADAPTER
M-128	OPW-PSTF-4630 FLEXWORKS FIBERGLASS TRANSITIONAL YARD SUMP

☐ SUPERSEDES ALL PREVIOUS ISSUES
☐ APPROVED FOR CONSTRUCTION
☐ PRELIMINARY–NOT FOR CONSTRUCTION
☐ ISSUED TO: _____
_____ DATE _____

REV	DATE	BY	REVISION

REVISIONS

MHF Design Consultants, Inc.
44 Stiles Road, Suite One
Salem, New Hampshire 03079
(603) 893-0720
ENGINEERS • PLANNERS • SURVEYORS
www.mhfdesign.com

STATE OF MAINE
FRANK C. MONTEIRO
7201
LICENSED PROFESSIONAL ENGINEER
1/26/16

IRVING

DRAWN BY:	DESIGNED BY:
DSA	HS
SCALE: AS NOTED	APPROVED BY:
DATE: 1/26/16	PROPERTY NO.: N/A
CAD FILE: 3880-00.DWG PLOTTED:	REF-BLK: REF-BLK: REF-BLK:

IRVING OIL

190 COMMERCE WAY
PORTSMOUTH, NH 03801

PROJECT:

393 COMMERCIAL STREET
PORTLAND, MAINE

SHEET TITLE:

PARTS LIST

PROJECT:	DRAWING NO:	REVISION:
	00	-

COMPANY SUPERVISOR AND CONTRACTOR TO VERIFY ALL MEASUREMENTS ON WORK OR AT SITE. THIS DRAWING IS THE PROPERTY OF IRVING OIL LTD. AND SHALL BE RETURNED ON COMPLETION OF WORK.

F:\Projects\CAD\388015\3880_00.dwg PARTS 1/26/16 5:20pm DSA

Copyright © 2016 by MHF Design Consultants, Inc. All Rights Reserved.