



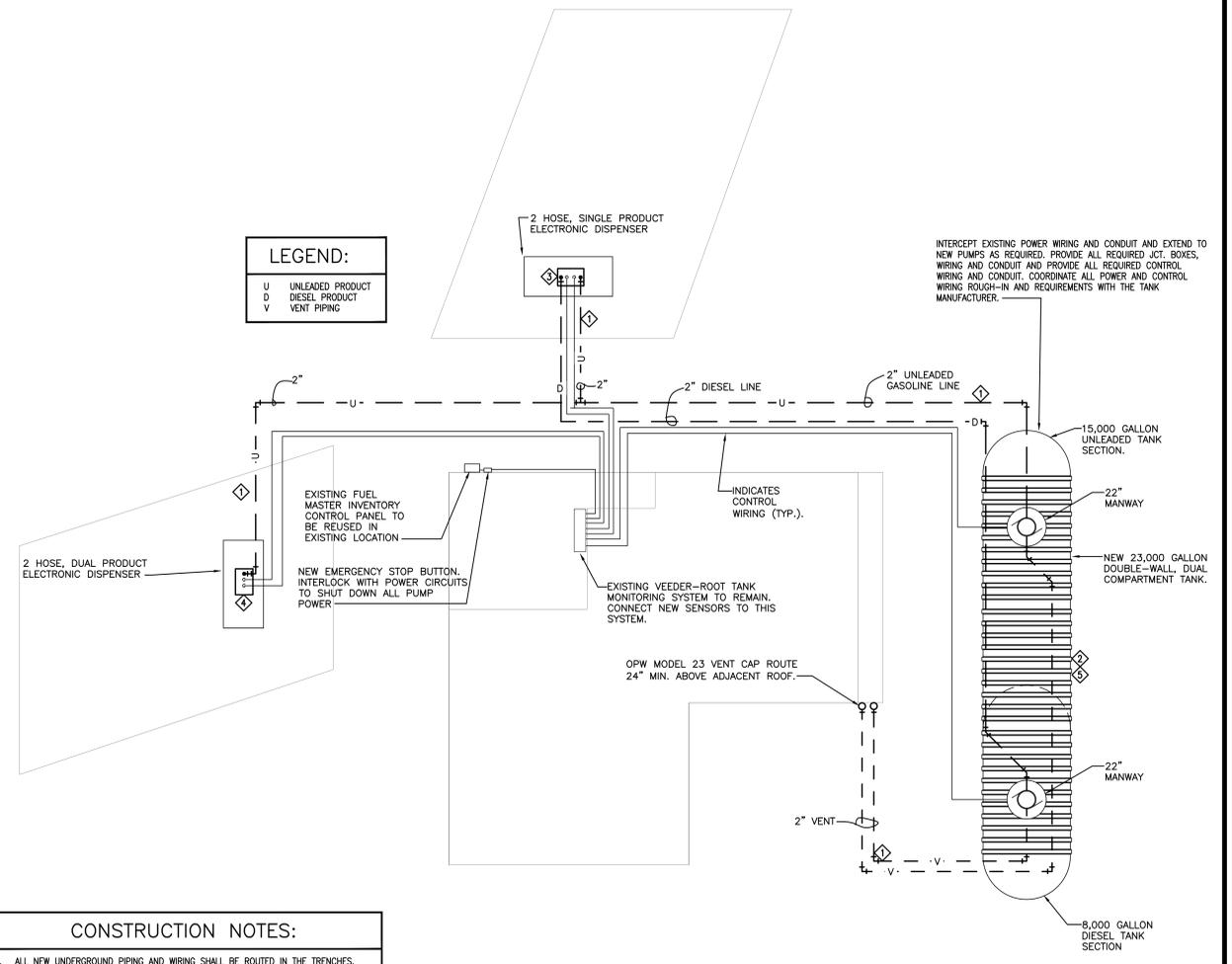
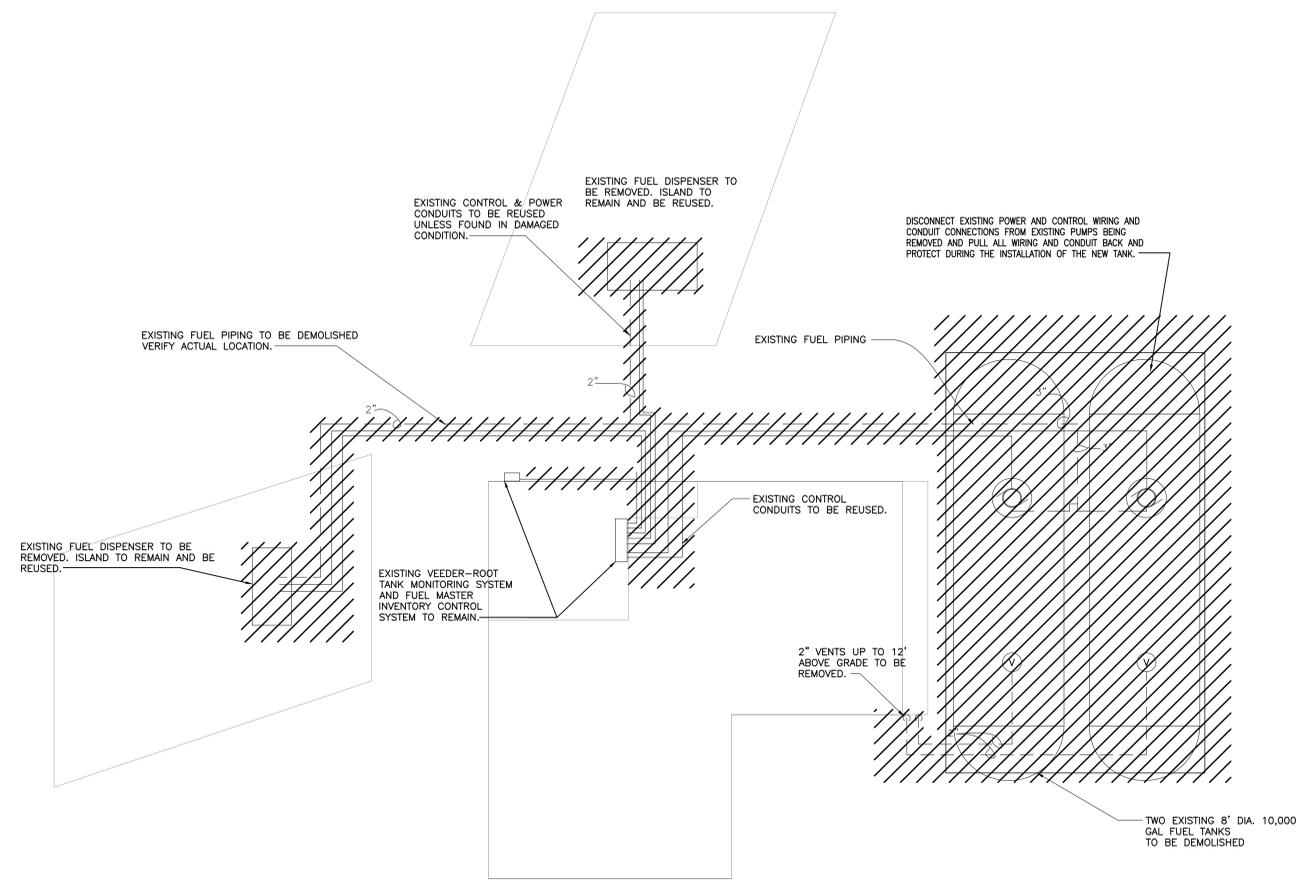
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Halton Engineering
 TECHNICAL SERVICES

SHELBY COUNTY FUELING STATION
 511 ALABAMA STREET
 MEMPHIS, TENNESSEE

NO.	DATE	REVISIONS

DRAWN
JF
 CHECKED
WW
 DATE
April 17, 2012
 SCALE
1/8" = 1'-0"
 JOB NO.
11124
 SHEET TITLE
DEMO AND SITE PLAN
- MECHANICAL
 SHEET NO.
M1.1



DEMOLITION NOTES:

- ALL DECONTAMINATION AND REMOVAL OF EXISTING CONTAMINATED EQUIPMENT SHALL BE PER FISHER & ARNOLD INC. DOCUMENTS.
- COORDINATE ALL OTHER DEMOLITION REQUIRED WITH GENERAL CONTRACTOR AND HAZARDOUS MATERIALS CONTRACTOR.

CONSTRUCTION NOTES:

- ALL NEW UNDERGROUND PIPING AND WIRING SHALL BE ROUTED IN THE TRENCHES.
- ALL MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 30 - FLAMMABLE AND COMBUSTIBLE LIQUIDS CODE, NFPA 30A - MOTOR FUEL DISPENSING FACILITIES & REPAIR GARAGES CODE, AND NFPA 31 - INSTALLATION OF OIL-BURNING EQUIPMENT STANDARD.
- INSTALL UNDERGROUND FUEL-OIL PIPING BURIED AT LEAST 18 INCHES BELOW FINISHED GRADE.
- INSTALL DOUBLE-CONTAINMENT, FUEL-OIL PIPE AT A MINIMUM SLOPE OF 1 PERCENT DOWNWARD TOWARD FUEL-OIL STORAGE TANK SUMP.
- INSTALL VENT PIPE AT A MINIMUM SLOPE OF 2 PERCENT DOWNWARD TOWARD FUEL-OIL STORAGE TANK SUMP.
- ALL ELECTRICAL WORK SHALL CONFORM TO NFPA 70 ARTICLE 500 HAZARDOUS (CLASSIFIED) LOCATIONS AND MEMPHIS AND SHELBY COUNTY ELECTRICAL CODE.

BID ALTERNATES

ALTERNATE NUMBER 1:
 PROVIDE A SINGLE-HOSE, DIESEL DISPENSER AND A TWO-HOSE, UNLEADED DISPENSER ON THE NORTH ISLAND IN LIEU OF THE EQUIPMENT TO BE INSTALLED ON THE NORTH ISLAND IN THE BASE BID.

ALTERNATE NUMBER 2:
 PROVIDE AN ABOVE GROUND, 5,000 GALLON, TEMPORARY UNLEADED TANK AND PUMP. PROVIDE A TEMPORARY CONDUIT FROM THE EXISTING FUEL MASTER INVENTORY CONTROL PANEL. PROVIDE TEMPORARY POWER ROUTED TO THE PUMP STATION.

KEYNOTES (THIS SHEET):

- ALL GAS, DIESEL, VENT, PIPING, AND FITTINGS SHALL BE RIGID FIBERGLASS DOUBLE WALL 2" PIPE EQUAL AMERON DUALDY 3000/LCX COAXIAL FIBERGLASS PIPE AND FITTINGS.
- 23,000 GALLON, 10' DIAMETER HYDROSTATIC, DOUBLE-WALL, FIBERGLASS, DUAL-COMPARTMENT, UNDERGROUND FUEL STORAGE TANK. TANK SHALL HAVE A 15,000 UNLEADED GAS, 8,000 GALLON DIESEL COMPARTMENT SPLIT. PROVIDE TANK COMPARTMENTS WITH THE FOLLOWING:
 - FE PETRO 3/8 HP, FIXED LENGTH SUBMERSIBLE, FIXED LENGTH TURBINE PUMPS, MODEL STP 75. TURBINE PUMP LENGTH SHALL BE COORDINATED WITH THE STORAGE TANK AND THE PUMP MANUFACTURER'S REQUIREMENTS. PUMPS SHALL BE PROVIDED WITH A LINE LEAK DETECTOR SUITABLE FOR INSTALLATION IN GASOLINE AND DIESEL STORAGE TANKS, RESPECTIVELY.
 - WATER-TIGHT TURBINE SUMP WITH MANHOLE.
 - DROP TUBE WITH OVERFLOW PREVENTION VALVE.
 - BALL FLOAT ASSEMBLY.
 - TANK INVENTORY GAUGE.
 - EXTRACTOR HOUSING WITH CAP.
 - FILL/VAPOUR SUMP WITH MANHOLE.
 - TANK INVENTORY GAUGE.
- TWO HOSE, SINGLE PRODUCT DISPENSER EQUAL TO WAYNE UHC. PROVIDE 3/4" NOZZLE, 3/8" LINE, BREAKAWAY. PROVIDE DISPENSER SUMP EQUAL TO SELECT SBK-1600. PROVIDE EMERGENCY SHUT-OFF VALVES.
- TWO HOSE, DUAL PRODUCT DISPENSER EQUAL TO WAYNE UHC. PROVIDE 3/4" NOZZLE AND 3/8" LINE FOR GASOLINE, 1 1/4" NOZZLE AND 1" LINE FOR DIESEL, AND BREAKAWAY. PROVIDE DISPENSER SUMP EQUAL TO SELECT SBK-1600. PROVIDE EMERGENCY SHUT OFF VALVES.
- REFER TO SHEET M2.1 FOR GAS STRAPPING AND ANCHORING DETAILS.

SITE PLAN - DEMOLITION - MECHANICAL
 SCALE: 1/8" = 1'-0"

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 SCALE: 1/8" = 1'-0"

THESE DRAWINGS ARE DIAGRAMMATIC. COORDI WITH ALL TRADES, EXISTING CONDITIONS, AND ARCHITECTURAL DOCUMENTS INCLUDING REFLE CEILING PLANS, IS REQUIRED. NOT ALL OFFSE AND ADJUSTMENTS ARE INDICATED.