

LOCUS MAP NOT TO SCALE

**GENERAL WORKSCOPE:**

- EXCAVATE AND PROPERLY DISPOSE OF EXISTING 6K, 8K, AND 10K UG TANKS AND CONTENTS.
- REMOVE AND PROPERLY DISPOSE OF ALL EXISTING UG PIPING
- INSTALL (2) NEW 20,000 GALLON DBL WALL FG DOUBLE COMPARTMENT TANKS, BOTH SPLIT 12,000/8,000. BOTH WITH WET BRINE INTERSTITIAL MONITORING SYSTEM. NEW TANKS TO BE SET AT MIN 53" BURIAL AND PROPERLY ANCHORED PER MFRG SPECIFICATION TO NEW DEADMAN ANCHORS. INSTALL NEW 8" REINFC CONC MAT OVER TANKS.
- INSTALL NEW DW FG PIPING AND ALL RELATED MONITORING EQUIPMENT
- INSTALL (4) NEW MULTI-PORT TANK FILL AND STAGE I RISER SUMPS, ALL TO HAVE SUMP SENSORS. DIESEL FILL SUMP WILL NOT HAVE A STAGE I RISER.
- INSTALL (4) NEW STP SUMPS WITH NEW SUMP SENSORS AND NEW 2.0 HP STP'S. REG UL TANKS STP SUMPS TO BE MANIFOLDED ON THE DISCHARGE SIDE OF THE STP'S BY DW FG PIPING.
- INSTALL NEW STAINLESS ISLANDS AND DISPENSER SUMPS UNDER ALL (4) DISPENSERS INCLUDING NEW SUMP SENSORS.
- REPLACE UNDERGROUND PRODUCT AND VAPOR VENT PIPING WITH NEW DW FG PIPING.
- PROVIDE A NEW ELECTRICAL CONDUIT FROM BUILDING ELECTRICAL PANELS TO EACH DISPENSER SUMP AND TANK.
- UPGRADE EXISTING VEEDER-MONITOR TO ACCEPT ALL NEW SENSORS.
- FACILITY TO BE CLOSED DURING CONSTRUCTION. GENERAL CONTRACTOR TO COORDINATE WORK TO MINIMIZE PROJECT DURATION AS MUCH AS POSSIBLE.
- APPROXIMATE AREA OF PAVING TO BE DISTURBED/REPLACED CONCRETE: 3,821 S.F. ASPHALT: 1,460 S.F.
- DEWATERING MAY BE REQUIRED. TANKS WILL REQUIRE BALLAST DURING CONSTRUCTION AS GW IS AT APPROXIMATELY 9 FEET BELOW GRADE. GENERAL CONTRACTOR TO COORDINATE WITH CBRE PM AND ENVIRONMENTAL CONSULTANT. ALL WORK TO BE DONE IAW TOWN OF ACTON APPROVAL REQUIREMENTS/CONDITIONS, AND ALL CONDITIONS OF ANY DEWATERING APPROVALS.
- GENERAL CONTRACTOR TO MONITOR TANK INVENTORY BY DAILY TANK STOKING THROUGHOUT DURATION OF PROJECT.
- EXISTING DISPENSER ISLANDS AND DISPENSER SUMPS TO BE REMOVED AS DIRECTED BY PM. INSTALL NEW BLENDING DISPENSERS AS PROVIDED BY EXXON MOBIL. INSTALL ONE NEW DISPENSER TO BE A "3+1" TO INCLUDE DIESEL. GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL REGULATORY DECALS.
- REVISE EXISTING UL-1254 FIRE SUPPRESSION PER APPROVED PLANS USING EXISTING EQUIPMENT TO RAISE AND SHORTEN SYSTEM. INSTALL NEW CO2 CANISTERS AT EACH DISPENSER AND NEW COLOR MONITOR AT ATTENDANT AREA.
- ALL PRIMARY AND SECONDARY PIPING MUST BE PRESSURE TESTED IN ACCORDANCE WITH MFRG INSTALLATION SPECIFICATIONS. GC WILL NOTIFY THE FIRE DEPARTMENT OF THE TESTING SCHEDULE PRIOR TO TEST.
- TEST ALL SUMPS PER XOM SPECIFICATIONS.
- REPLACE ALL CONCRETE DISPENSING MAT AS DIRECTED BY PM WITH NEW 6" REINFORCED MAT PER EXXON MOBIL SPEC. INSTALL PLB GROOVES PER APPROVED FSS PLANS. INSTALL ASPHALT OVERLAY AS DIRECTED BY PM AND BID NOTES. REINSTALL PAVEMENT MARKINGS TO MATCH EXISTING.

**GENERAL NOTES:**

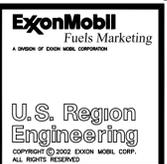
- ALL WORK TO BE DONE IN ACCORDANCE WITH ALL APPLICABLE CODES, RULES AND REGULATIONS INCLUDING BUT NOT LIMITED TO MASS REGULATIONS 527 CMR 9.00 TANKS AND CONTAINERS, AND ALL APPLICABLE OSHA REGULATIONS.
- CONTACT DIGSAFE, PHONE NUMBER 888-344-7233 AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION.
- ALL WORK TO BE DONE IN ACCORDANCE WITH EXXONMOBIL SPECIFICATIONS AND STANDARDS, INCLUDING ALL SAFETY REQUIREMENTS, TECHNICAL TANK REQUIREMENTS AND PROCEDURES.
- CONTRACTOR TO VISIT THE SITE AND FIELD VERIFY THE FOLLOWING ITEMS PRIOR TO CONSTRUCTION:
  - LOCATION OF PROPERTY BOUNDARIES, EASEMENTS, AND RIGHT OF WAYS.
  - LOCATION OF STRUCTURES, BUILDINGS, AND DRIVEWAYS DEPICTED ON THE PLAN.
  - ALL EXISTING AND PROPOSED CRITICAL ELEVATIONS.
- WHERE CONFLICTS ARISE BETWEEN THE VERIFIED FIELD CONDITIONS AND PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY CBRE PROJECT MANAGER AT (413) 562-4029 PRIOR TO CONTINUANCE OF WORK.
- CONTRACTOR TO NOTIFY AND OBTAIN ALL NECESSARY PERMITS FROM LOCAL AUTHORITIES, INCLUDING BUILDING AND FIRE DEPARTMENTS, AND ALL TRADE PERMITS, INCLUDING ELECTRICAL. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL NECESSARY INSPECTIONS AND TESTS WITH LOCAL AUTHORITIES.
- ALL GRADES TO REMAIN AS EXISTING. REPLACE ALL DISTURBED PAVING, CONCRETE, & LANDSCAPE TO MATCH EXISTING.
- GENERAL CONTRACTOR TO VERIFY WATER TABLE AT TIME OF DEMOLITION AND ENSURE TANKS ARE SECURED IN PLACE.
- GENERAL CONTRACTOR TO PROVIDE SITE SECURITY FOR DURATION OF PROJECT. GENERAL CONTRACTOR IS RESPONSIBLE FOR 6" HIGH CHAIN LINK FENCE PER XOM SPECIFICATIONS.

**SITE DATA:**

ASSESSORS MAP: G5-76  
 ZONE: EAST ACTON VILLAGE  
 LOCAL FIRE DEPT. PHONE NUMBER: (978) 264-9632  
 LOCAL BLDG. DEPT. PHONE NUMBER: (978) 264-9645  
 DEPTH TO GROUNDWATER: 9'-2" 11/2/07  
 TANK BURIAL: (EXISTING) 30"-36" ESTMD FROM 126" DEPTH TO TANK BOTTOM  
 CSI (NEW)

**REFERENCE:**

PROPERTY LINES AND OTHER TOPOGRAPHIC INFORMATION SHOWN ON THIS DRAWING WERE TAKEN FROM A PLAN ENTITLED: "PLOT PLAN" PREPARED BY: LANDMARK ENGINEERING & SURVEYING, 583 CHESTNUT STREET, LYNN, MA 01904 PHONE: 781-592-7016, SCALE: 1"=20' DATED: 3/21/08 & "SEPTIC SYSTEM EMERGENCY REPAIR PLAN" PREPARED BY: BOHLER ENGINEERING, P.C., 325 TURNPIKE ROAD, SOUTHBORO, MA 01772, SCALE: 1"=20', DATED: 10/31/01  
 SITE ELEVATIONS BY AYOUB ENGINEERING ON 11/2/07



**U.S. Region Engineering**  
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 414 BENEFIT STREET, PAWTUCKET, RHODE ISLAND 02861  
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 E-MAIL: INFO@AYOUBENGINEERING.COM



PREPARED BY: AYOUB ENGINEERING  
 REVIEWED BY: [Signature]  
 DATE: [Date]

PROJECT: 44 GREAT RD ACTON, MA  
 RAS Number: 10190  
 Design Type: Tank & Piping Replacement Plan  
 Building Type / Size: [Blank]  
 Building Style: [Blank]  
 Bldg. Code: [Blank] Scale: 1"=10'  
 Drawn By / Approved By: [Blank]  
 File Name: 3667-TK1B  
 Date: 8/4/08  
 Issued For: [Blank]  
 Project No: 3667.107  
 Drawing No: TK-1B

