

PLAN NOTES:

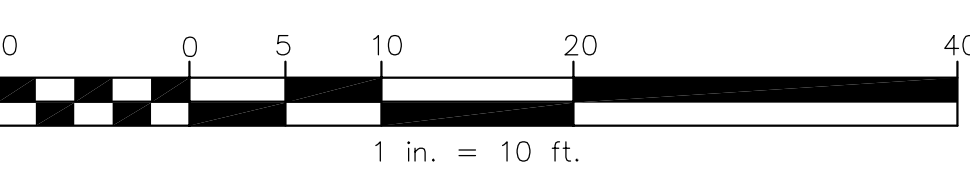
- A. GENERAL NOTES:**
1. TOPOGRAPHICAL INFORMATION SHOWN ON THIS PLAN WAS PREPARED BY DUCHARME & DILLIS CIVIL DESIGN GROUP, INC. BASED ON AN ON-THE-GROUND SURVEY PERFORMED IN AUGUST 2008.
 2. PROPERTY LINE INFORMATION SHOWN ON THIS PLAN IS APPROXIMATE.
 3. EXISTING UTILITIES SHOWN ON THIS PLAN WERE COMPILED FROM FIELD MEASUREMENT AND RECORD PLANS. THE UTILITIES SHOWN ON THIS PLAN ARE FOR REFERENCE ONLY AND SHOULD NOT BE ASSUMED TO BE CORRECT NOR SHOULD IT BE ASSUMED THAT THE UTILITIES SHOWN ARE THE ONLY UTILITIES LOCATED ON OR NEAR THE SITE. THE CONTRACTOR SHALL CALL DIG SAFE 1-888-DIG-SAFE PRIOR TO CONSTRUCTION IN ACCORDANCE WITH STATE LAWS.
- B. SITE PREPARATION:**
1. STRIP AND STOCKPILE ALL TOPSOIL FROM THE AREA.
 2. EXCAVATE ALL FOUNDATIONS TO 1-FOOT BELOW LOWEST STRUCTURAL FOUNDATION. BUILDING FOOTINGS, WATER TANKS AND TANK DEADMEN SHALL BE SET ON A MINIMUM OF 1-FOOT PEA STONE.
 3. WATER FROM DEWATERING OPERATIONS, SHALL BE DISCHARGED TO A SEDIMENT FOREBAY PRIOR TO DISCHARGE TO ANY DRAINAGE WAY. CONTRACTOR TO COORDINATE DEWATERING DISCHARGE WITH ZOO OFFICIALS.
- C. TRANSITION AND DEMOLITION:**
1. CONSTRUCT BOOSTER STATION BUILDING WITH FUNCTIONAL PUMPS AND PLUMBING PRIOR TO REMOVAL OF ANY COMPONENTS OF THE OLD SYSTEM.
 2. INSTALL TEMPORARY SERVICE CONNECTION FROM THE OLD ATMOSPHERIC STORAGE TANK TO THE NEW BOOSTER SKID.
 3. INSTALL EXTERIOR PIPING FROM THE BOOSTER PUMP SKID TO THE EXISTING WATER MAIN DISTRIBUTION SYSTEM. PRESSURE TEST AND DISINFECT LINES AS REQUIRED.
 4. PERFORM CONNECTIONS OF NEW PIPING FROM BOOSTER PUMP SKID TO EXISTING DISTRIBUTION SYSTEM MAINS.
 5. REMOVE EXISTING HYDROPNEUMATIC TANK.
 6. INSTALL NEW ATMOSPHERIC TANKS WITH APPURTENANCES AS SHOWN ON THESE PLANS AND AS REFERENCED IN THE SPECIFICATIONS. PRESSURE TEST TANKS.
 7. FILL NEW ATMOSPHERIC HOLDING TANKS WITH WATER VIA TEMPORARY PIPING CONNECTIONS.
 8. INSTALL PITLESS ADAPTER AND EXTEND WELL CAPING AT LEAST 18" ABOVE FINISH GRADE.
 9. INSTALL NEW PIPING FROM THE EXISTING WELL TO BOOSTER STATION BUILDING. PRESSURE TEST AND DISINFECT LINES AS REQUIRED.
 10. CONNECT NEW PIPING FROM WELL PIPE TO SUCTION SIDE OF PUMP PIPING INSIDE BOOSTER STATION.
 11. REMOVE ALL WATER SYSTEM APPURTENANCES WITHIN THE EXISTING WELL PIT.
 12. AFTER WELL CASING HAS BEEN EXTENDED, BACKFILL EXISTING WELL PIT WITH SILT/CLAY MATERIAL COMPACTED IN PLACE.
 13. REMOVE EXISTING ATMOSPHERIC TANK AND BACKFILL WITH GRANULAR FILL COMPACTED IN PLACE.
- D. MATERIAL SPECIFICATIONS:**
1. PROPOSED UNDERGROUND ATMOSPHERIC TANKS TO BE AS MANUFACTURED BY MASS ENGINEERING OR APPROVED EQUAL. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE PROPOSED TANKS AND ALL APPURTENANCES TO THE DESIGN ENGINEER TO REVIEW PRIOR TO CONSTRUCTION. TANKS SHALL BE FITTED WITH: (1) A 3" FLANGE WITH A CENTERLINE LOCATED 8" OFF THE BOTTOM OF THE TANK, (2) AN AUXILIARY FILL FITTING ON THE TOP OF THE TANK, (3) A 24" Ø ACCESS PORT IN THE TOP OF THE TANK, AND (4) A 4" VENT FITTING IN THE TOP OF THE TANK.
 2. EACH TANK TO BE VENTED WITH 4" PVC, SCH 40 PIPE. VENT STACKS TO BE LOCATED NEAR THE PROPOSED BOOSTER STATION STRUCTURE.
 3. TANKS SHALL BE BACKFILLED WITH CRUSHED STONE AS REQUIRED BY THE MANUFACTURER. SEE TYPICAL TANK CROSS SECTION SHEET 4 OF 5.
 4. REFER TO SHEET 4 OF 5 FOR PROFILES AND CROSS SECTIONS OF THE PROPOSED TANK, PIPING AND BUILDING.
 5. PROPOSED TANKS AND BOOSTER STATION BUILDING FOUNDATION SHALL BE UNDERDRAINED. UNDERDRAIN SHALL BE 6" PERFORATED SCH 40 PVC OR EQUAL. 6" INVERT TO BE MINIMUM OF 1-FOOT BELOW TANK INVERTS AND 1-FOOT BELOW BOOSTER STATION FLOOR SLAB.
 6. STONE RIPRAP TO BE 4" - 8" ANGULAR STONE RIPRAP PLACED ON FILTER FABRIC (MIRAFI 140N OR APPROVED EQUAL).
 7. GRAVEL ACCESS DRIVE SHALL BE 6" PROCESSED GRAVEL CONFORMING TO MASS HIGHWAY STANDARD SPECIFICATION M1.03.1.
 8. ELECTRICAL SERVICE SHALL BE 100 AMPS (MIN). SERVICE WIRES SHALL BE UNDERGROUND IN APPROPRIATELY SIZED CONDUIT. INSTALL METER IN LOCATION REQUIRED BY ELECTRICAL COMPANY. CONTRACTOR TO COORDINATE THE ELECTRICAL INSTALLATION WITH THE POWER COMPANY.
 9. FENCING TO BE 6-FOOT HIGH WOODEN FENCE, OR APPROVED EQUAL. INSTALL 12-FOOT WIDE LOCKABLE GATE AT ACCESS ROAD AND NEAR SOUTHWICK STREET AS SHOWN HEREON.
 10. RETAINING WALLS SHALL BE LOCKING BLOCK TYPE AS MANUFACTURED BY VERSA-LOCK, INC. OR APPROVED EQUAL. STRUCTURAL DESIGN, IF REQUIRED, TO BE PERFORMED BY OTHERS.
 11. INSTALL "PUBLIC DRINKING WATER" SIGNS ON FENCE AT 100-FOOT INTERVALS (MINIMUM OF 1 PER SIDE).
- E. RESTORATION:**
1. THE CONSTRUCTION SITE SHALL BE GRADED AS INDICATED HEREON AND ALL DISTURBED AREAS SHALL BE RESTORED BY APPLYING 4" TOPSOIL, SEED, FERTILIZER AND MULCH.

PREPARED BY:

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OWNER:
 APPLICANT:

SCALE:

 1 in. = 10 ft.
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SITE PLAN			
2 SOUTHWICK STREET			
MENDON, MA.			
NO.	DATE	DESCRIPTION	BY

DATE:	10/24/08	JOB NO.	4328
DESIGN BY:	GSR	DRAWING NO.	4328-EXIST
DRAWN BY:	GSR	SHEET NO.	3
CHECKED BY:	GGB		OF 5