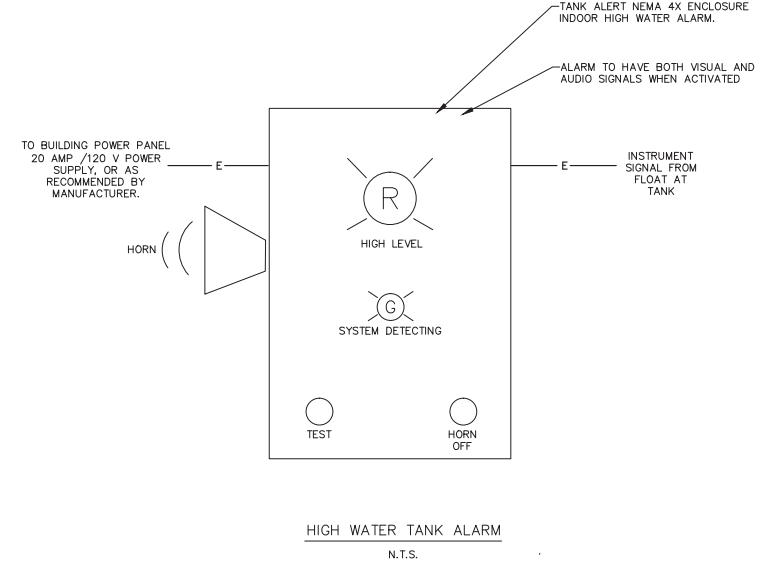
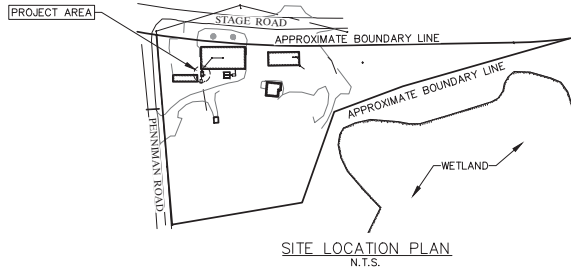
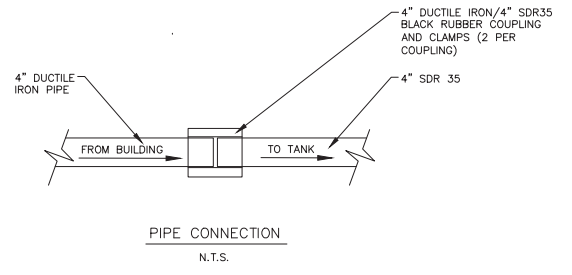


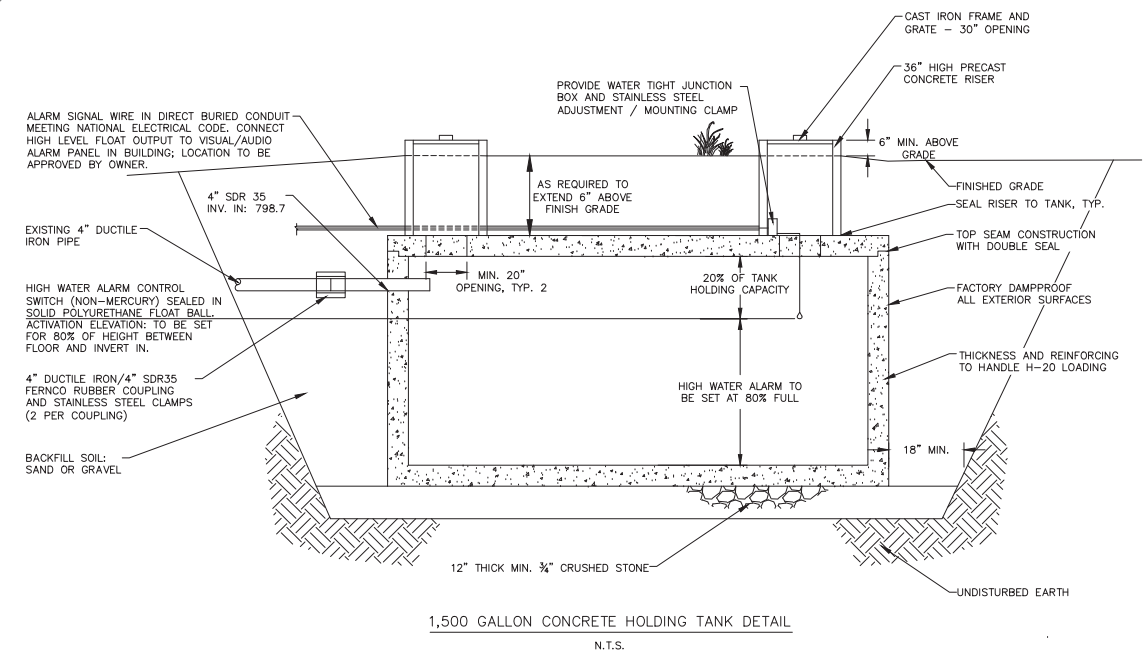
- DEMOLITION NOTES:**
1. REMOVE EXISTING PRE-CAST CONCRETE STRUCTURE AND DISPOSE OF AT ON-SITE LOCATION DESIGNATED BY OWNER.
 2. CUT 4-INCH DIAMETER DUCTILE IRON PIPE APPROXIMATELY 4 FEET OUTSIDE OF HIGHWAY GARAGE BUILDING FOUNDATION AND DISPOSE OF REMAINING PIPING.
 3. COMPLETE VISUAL EVALUATION OF SOILS UNDER CONCRETE STRUCTURE AND FIELD SCREEN USING A PHOTONIZATION DETECTOR DURING EXCAVATION. IF NO CONTAMINATION IS NOTED BACKFILL HOLE TO GRADE, LOAM AND SEED.
 4. IF CONTAMINATION IS NOTED, CONTRACTOR SHALL REMOVE ALL VISIBLY STAINED SOILS AND AN ADDITIONAL SIX INCHES OF SOIL BEYOND LIMITS OF CONTAMINATION. SOILS WILL BE TEMPORARILY STOCKPILED AT A LOCATION DESIGNATED BY OWNER. PLACE SOILS ON A MINIMUM 6-MIL THICKNESS OF POLYETHYLENE SHEET EXTENDING A MINIMUM OF THREE FEET BEYOND STOCKPILE. FOLD SIDES UP ON PILE AND COVER WITH ADDITIONAL 6-MIL THICKNESS OF POLYETHYLENE SHEET ON TOP. SECURE TOP SHEET WITH SUITABLE ANCHORS. PRIOR TO ENCLOSING SOIL, COLLECT ONE REPRESENTATIVE SAMPLE OF SOIL FROM THE LIMITS OF THE PILE FOR LABORATORY ANALYSIS.
 5. PRIOR TO BACKFILLING EXCAVATION, COLLECT ONE COMPOSITE SOIL SAMPLE FROM THE BASE OF THE CONTAMINATED SOIL EXCAVATION LIMITS IN ACCORDANCE WITH FEDERAL AND STATE SAMPLING PROTOCOL.
 6. COMPOSITE SAMPLES SHALL BE SENT TO A CERTIFIED LABORATORY FOR ANALYSIS FOR THE FOLLOWING CONTAMINANTS: VOLATILE ORGANIC COMPOUNDS USING EPA METHOD 8260 (SAMPLED USING EPA METHOD 5035 METHANOL PRESERVATION); POLYCYCLIC AROMATIC HYDROCARBONS USING EPA METHOD 8270, TOTAL PETROLEUM HYDROCARBONS USING EPA METHOD 8015B-ORG; AND THE EIGHT RCR METALS USING EPA METHOD 8010.
 7. A TANK CLOSURE REPORT WILL BE COMPLETED AND SUBMITTED TO THE NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES WASTE MANAGEMENT DIVISION IN GENERAL ACCORDANCE WITH THE UNDERGROUND AND ABOVEGROUND STORAGE TANK CLOSURE SAMPLING AND REPORTING GUIDANCE DOCUMENT, AND THE REQUIREMENTS OF NH CODE OF ADMINISTRATIVE RULES ENV-OR 600 CONTAMINATED SITE MANAGEMENT.



- HIGH LEVEL ALARM SPECIFICATIONS:**
1. PROVIDE A HIGH TANK LEVEL ALARM SYSTEM THAT WILL PROVIDE AUDIBLE AND VISUAL ALARMS WITHIN THE MAINTENANCE GARAGE BUILDING WHEN THE LIQUID LEVEL WITHIN THE HOLDING TANK REACHES 80% OF THE MAXIMUM OPERATING LEVEL DEFINED BY THE INLET PIPE INVERT.
 2. THE ALARM WILL BE ACTIVATED BY A SINGLE-POLE FLOAT SWITCHES ENCLOSED IN A DURABLE AND CHEMICALLY STABLE POLYPROPYLENE BODY (MERCURY SWITCHES WILL NOT BE ALLOWED). THE FLOAT CABLE WILL BE PVC TYPE ST018 AWG41 STRAND, 600 VOLT RATED CONDUCTORS. THE SWITCH SHALL BE SUSPENDED IN THE WETWELL BY MEANS OF A STAINLESS STEEL FLOAT MOUNTING BRACKET AND SHALL BE ADJUSTABLE FROM THE ACCESS HATCH WITHOUT ENTERING THE STRUCTURE. THE SWITCH WILL PROVIDE A HIGH WATER ALARM (SWITCH NORMALLY OPEN, CLOSES WHEN LEVEL IN HOLDING TANK REACHES 80% OF MAXIMUM WORKING VOLUME).
 3. PROVIDE WATER TIGHT JUNCTION BOX MOUNTED WITHIN PRECAST CONCRETE RISER ON END OPPOSITE OF INLET LINE. PROVIDE DIRECT BURIED CONDUIT IN ACCORDANCE WITH NATIONAL ELECTRIC CODE TO HOUSE INSTRUMENT CABLING. CONDUIT WILL TRANSITION FROM BURIED TO ABOVEGROUND AT OUTSIDE OF BUILDING. SECURE CONDUIT TO BUILDING WITH MOUNTING CLAMPS AND SEAL BUILDING WALL PENETRATION.
 4. MOUNT ALARM BOX AT LOCATION CHOSEN BY OWNER. PANEL SHOULD BE VISIBLE FROM PRIMARY GARAGE OPERATING AREAS.
 5. ALARM ENCLOSURE TO BE NEMA 4X AND EQUIPPED WITH REMOTE SENSOR TEST CAPABILITY MOUNTED AT THE COUNSEL. WHEN TEST BUTTON IS PRESSED, THE ENTIRE SYSTEM ELECTRONICS FROM CONTROL PANEL TO SENSOR WILL BE TESTED.
 6. HIGH LEVEL ALARM CONDITION TO BE VISUALLY INDICATED BY A RED L.E.D. INDICATOR THAT WILL REMAIN LIT UNTIL ALARM CONDITION IS CORRECTED. HIGH LEVEL ALARM WILL ALSO BE AUDIBLY ANNUNCIATED VIA A 95 DECIBEL PIEZOELECTRIC PULSING HORN WHICH CAN BE SILENCED VIA THE HORN SILENCE BUTTON.
 7. THE PANEL WILL BE EQUIPPED WITH A GREEN OPERATING LIGHT THAT INDICATES THAT THE SYSTEM IS POWERED AND DETECTING A SIGNAL FROM THE FLOAT SWITCH.
 8. CONTRACTOR SHALL CONNECT ALARM PANEL TO EXISTING BUILDING POWER PANEL PROVIDING A NEW 20 AMP, 120 VAC BREAKER, OR AS RECOMMENDED BY MANUFACTURER.



FOR REVIEW



- HOLDING TANK SPECIFICATIONS:**
1. HOLDING TANK SHALL BE WATERPROOF, REINFORCED PRE-CAST CONCRETE CONSTRUCTION HAVING A NOMINAL VOLUME OF 1,500 GALLONS. DIMENSIONS SHOWN ON DRAWING A TYPICAL OF ONE MANUFACTURER'S STANDARD AND MAY VARY. CONTRACTOR SHALL HOLD INLET INVERT ELEVATION AND HIGH LEVEL ALARM ELEVATIONS. PROVIDE TWO 20-INCH DIAMETER ACCESS OPENINGS, ONE ON EACH END OF TANK COVER.
 2. PRECAST UNITS SHALL BE CAPABLE OF SUPPORTING AASHTO H-20 LOADING, AND SHALL COMPLY WITH ASTM C1227 - STANDARD SPECIFICATION FOR PRECAST CONCRETE SEPTIC TANKS.
 3. CONSTRUCTION AND INSTALLATION OF THE HOLDING TANK SHALL COMPLY WITH NHDES WD-DWGB-22-8 HOLDING TANKS FOR FLOOR DRAINS.
 4. SECTIONS SHALL BE PRECAST MONOLITHIC CONSTRUCTION. TANK SHALL BE CONSTRUCTED WITH TOP-SEAM CONSTRUCTION TO AVOID SIDE WALL JOINTS. PIPE OPENINGS SHALL NOT BE LESS THAN SIX INCHES FROM SECTION JOINTS.
 5. MINIMUM CONCRETE STRENGTH 5000-PSI AT 28 DAYS.
 6. STEEL REINFORCEMENT SHALL CONFORM TO ASTM A-615-79, GRADE 60, 1" MIN. COVER.
 7. GRAVITY PIPE PENETRATIONS OF FOUR INCH DIAMETER OR GREATER SHALL BE KOR-N-SEAL, CP SERIES OR LOCK-JOINT FLEXIBLE RUBBER MANHOLE SLEEVE SIZED TO FIT THE DIAMETER AND TYPE OF PIPE WITHOUT THE USE OF GASKETS.
 8. JOINTS BETWEEN PRECAST SECTIONS SHALL BE WATERTIGHT TWO 1 INCH DIAMETER BUTYL RUBBER SEALANT STRIPS EQUIVALENT TO RAU-NEX OR KENT SEAL NO. 2.
 9. DAMPPROOFING COAT ON THE EXTERIOR OF ALL PRECAST SECTIONS SHALL BE FACTORY APPLIED BITUMINOUS COATING EQUAL TO DEHYDRATE NO. 4 DAMPPROOF BY W. R. GRACE, OR BITUMASTIC SUPER SERVICE BLACK BY KOPPERS CO. EXTERIOR JOINTS SHALL RECEIVE A BITUMINOUS COATING FOLLOWING INSTALLATION.
 10. PROVIDE PRECAST CONCRETE BARREL SECTIONS A MINIMUM OF 36-INCH DIAMETER OVER EACH ACCESS POINT. PROVIDE NENAH FOUNDRY R-1743 FRAME AND GRATE ASSEMBLY WITH 30-INCH OPENING, OR APPROVED EQUAL. PROVIDE ANCHORING AND SEALING TO CONCRETE RISER SECTIONS.
 11. ALL UNUSED KNOCK-OUTS ON HOLDING TANK TO BE MORTARED AND SEALED TO PREVENT LEAKS.
 12. PVC GRAVITY DRAIN PIPE SHALL BE PVC SDR 35 PIPING.
 13. CONTRACTOR SHALL PERFORM EXFILTRATION LEAKAGE TEST ON STRUCTURE AFTER INSTALLATION. PLUG INLET PIPES AND FILL STRUCTURE TO THE TOP WITH WATER. ALLOW 30 MINUTES TO AN HOUR FOR ABSORPTION OF THE WATER. REFILL TO THE TOP. DETERMINE VOLUME OF LEAKAGE IN AN 8 HOUR TEST PERIOD AND CALCULATE THE RATE OF LOSS. TOTAL ALLOWABLE LEAKAGE SHALL BE 0 GALLONS/HOUR. LOSS IN EXCESS OF ALLOWABLE LEAKAGE REQUIRES REPAIR OF LEAKS.

REVISION NO.	DATE	DESCRIPTION	MADE BY	CHECKED BY	APPROVED BY

SITE PLAN FOR
PLAINFIELD TOWN GARAGE
STAGE ROAD - PLAINFIELD, NEW HAMPSHIRE

PATHWAYS CONSULTING, LLC
240 MECHANIC STREET, SUITE 100
LEBANON, NEW HAMPSHIRE 03766
(603) 448-2200

SCALE: AS SHOWN	1
DESIGNED BY:	
DRAWN BY: CRW	
CHECKED BY: RWR	
DATE: 10/27/15	
PROJ. NO. P4774	SHEET 1 OF 1