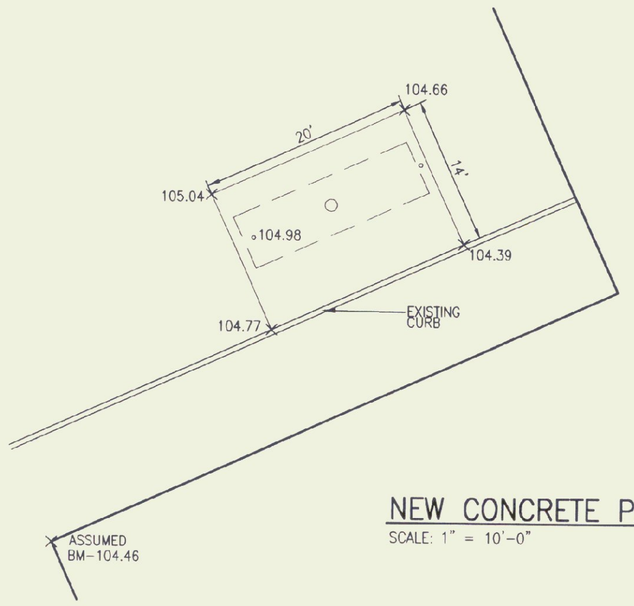
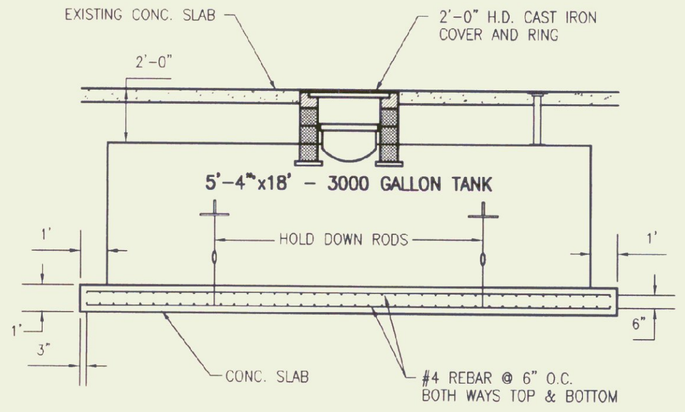


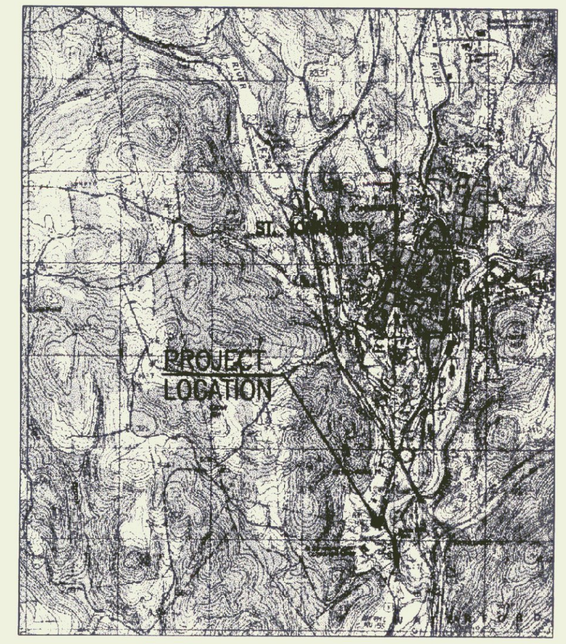
NEW CONCRETE PAD DETAIL

SCALE: 1" = 10'-0"

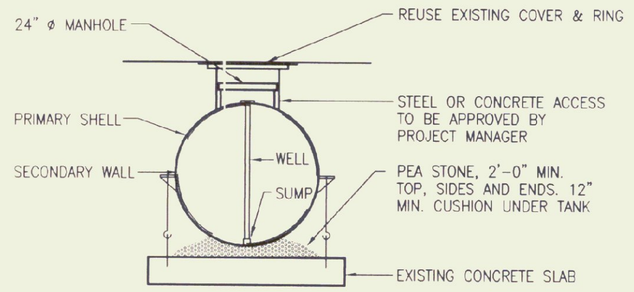


EXISTING FUEL OIL TANK AND PAD DETAIL

SCALE: 1/4"=1'-0"



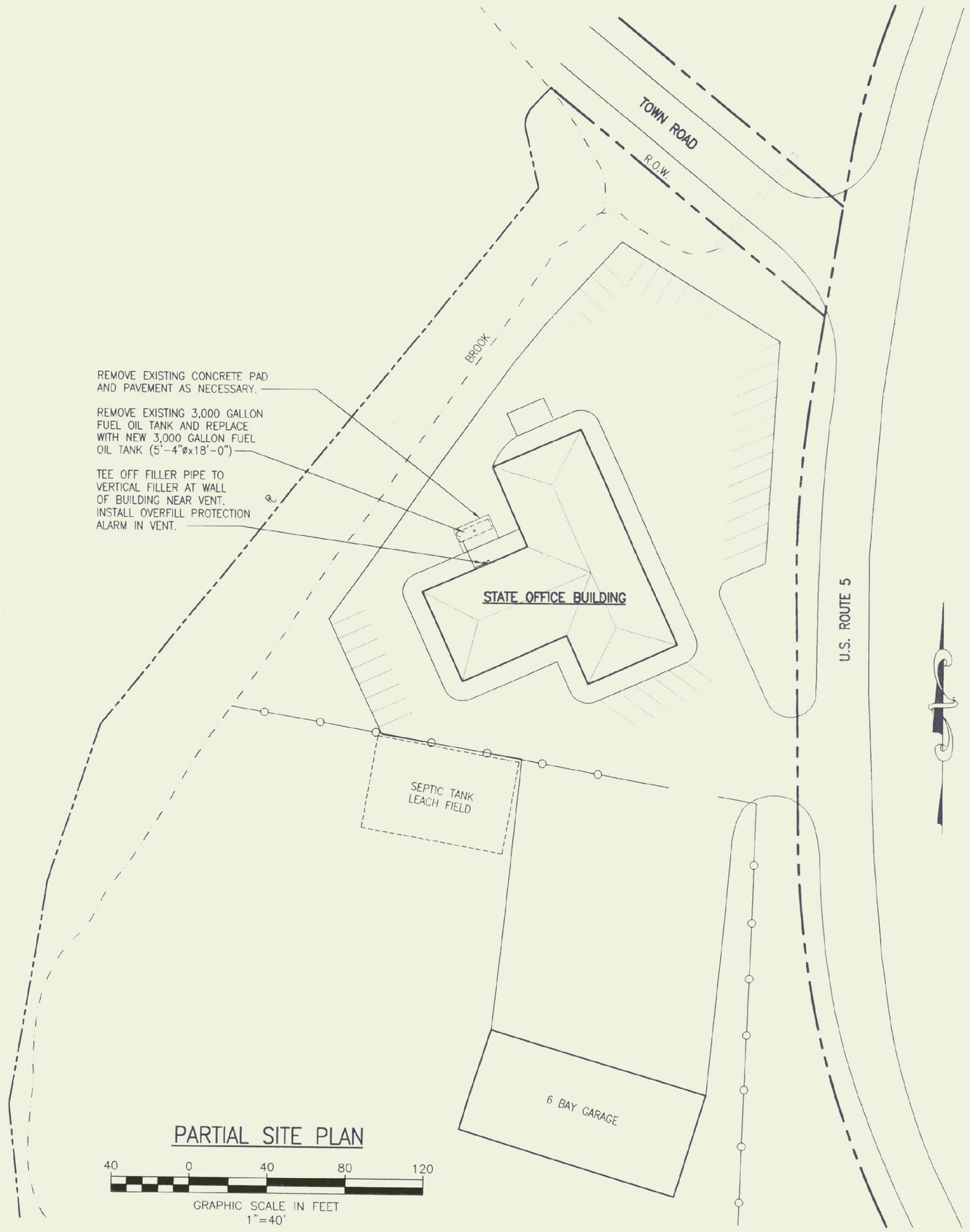
LOCATION MAP



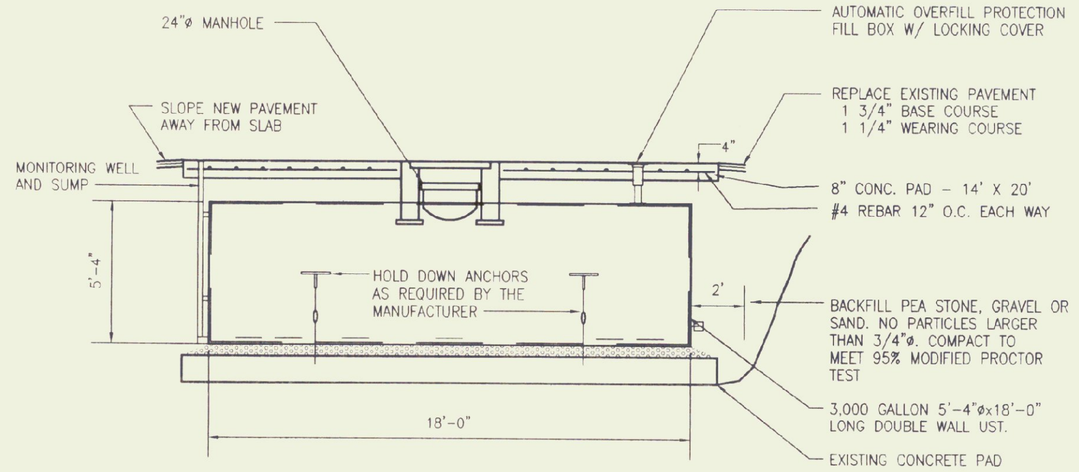
END VIEW

GENERAL NOTES

1. REMOVE (1) EXISTING 3,000 GALLON FUEL OIL TANK & PIPING ACCORDING TO VT. DEPARTMENT OF ENVIRONMENTAL CONSERVATION REQUIREMENTS FOR UST CLOSURE AND SITE ASSESSMENT REPLACE WITH (1) NEW 3,000 GALLON DOUBLE WALL TANK, ANCHORS & ALL ASSOCIATED PIPING IN SAME LOCATION.
2. ALL PAVED AREAS TO BE SAW CUT BEFORE EXCAVATING. REPLACE PAVEMENT WITH 1 3/4" BASE COURSE AND 1 1/4" WEARING COURSE.
3. SUPPLY AND RETURN LINES TO BE DOUBLE WALL.
4. SUPPLY NEW GAUGE, MATCH EXISTING IN BOILER ROOM.
5. REUSE EXISTING HOLD DOWN CONCRETE SLAB.
6. CONTRACTOR TO CONTACT DIG SAFE BEFORE EXCAVATING.
7. CONTRACTOR TO CONTACT AGENCY ON NATURAL RESOURCES 15 DAYS PRIOR TO STARTING WORK.



PARTIAL SITE PLAN



SIDE VIEW

NEW FUEL OIL TANK INSTALLATION DETAIL

SCALE: 1/4"=1'-0"

SCOPE OF WORK:

I. UNDERGROUND STORAGE TANK CLOSURE

- A. PURGE , CUT IF NECESSARY AND CLEAN (1) 3,000 GALLON #2 FUEL OIL UST.
- B. REMOVE EXISTING FUEL OIL LINES.
- C. DISPOSAL OF #2 FUEL OIL TANK BOTTOM SLUDGE LIQUIDS AND SOLIDS.
- D. PROVIDE SITE ASSESSMENT & TANK CLOSURE REPORT, NOTIFICATIONS AND ALL ASSOCIATED PAPERWORK, PER VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION GUIDELINES.

II. EXCAVATION AND BACKFILL

- A. CUT AND REMOVE ASPHALT AND CONC. SLAB NECESSARY TO FACILITATE EXCAVATION.
- B. PURGE AND CLEAN TANK
- C. REMOVE AND DISPOSE OF TANK AFTER PURGING AND CLEANING.
- D. CONTRACTOR TO COMPLETE OFF SITE SOIL TREATMENT REQUEST FORM FROM D.E.C. PRIOR TO SOIL REMOVAL. PERMIT FROM LABOR & INDUSTRY AND UST NOTIFICATION & PERMIT APPLICATION FROM ANR ARE REQUIRED.
- E. DISPOSE OF CONTAMINATED SOIL TO SITE SELECTED BY OWNER OR OTHER LEGAL DISPOSAL SITE PER D.E.C. GUIDELINES. BASE BID ON 80 CU. YDS. CONTRACTOR TO CONTACT D.E.C. BEFORE DISPOSAL OF CONTAMINATED SOIL.
- F. DUMP SITE IS APPROXIMATELY 1 MILE FROM ST. JOHNSBURY S.O.B. CONTRACTOR TO VERIFY WITH D.E.C. THAT DISPOSAL SITE IS APPROVED.

III. CONDITIONS AND RESPONSIBILITIES (OWNER AND CONTRACTOR)

- A. ALL WORK SHALL CONFORM WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
- B. CONTRACTORS/SUB-CONTRACTORS SHALL HAVE FREE AND EASY ACCESS TO THE SITE FOR PERSONNEL AND EQUIPMENT PROVIDED CONSIDERATION IS GIVEN TO THE BUILDING OPERATIONS AND OCCUPANTS.
- C. AN OWNER'S REPRESENTATIVE WILL BE PRESENT FOR THE SIGNING OF ALL MANIFEST DOCUMENTS.
- D. MAY HAVE TO COORDINATE WORK WITH ANOTHER CONTRACTOR ON SITE AT THE SAME TIME.

SPECIFICATIONS

1. TANK SHALL BE OF WELDED CONSTRUCTION, CLASS "A", OPEN-HEARTH STEEL BUILT TO UL SECONDARY CONTAINMENT REGULATIONS AND TO ASTM SPECIFICATIONS WITH NBFU, UL AND STI-P3 LABELS AND IN ACCORDANCE WITH ALL STATE OF VERMONT AND FEDERAL REGULATIONS.
2. TANK WITH 24" DIAMETER GASKETED MANHOLE, HOLD-DOWN LUGS, RODS, HOOKS AND ANCHORS. MANHOLE SHELF ANGLES AND COUPLINGS AS NOTED OR REQUIRED.
3. FACTORY TEST TANK WITH 5 PGIS AIR.
4. TANK TO INCLUDE CATHODIC PROTECTION PACKAGE STI-P3 INCLUDING ELECTRICAL ISOLATION AND MAGNESIUM ANODES EACH END OF TANK. ALL FITTINGS WITH ELECTRICAL ISOLATION SYSTEM TO PROVIDE 30 YEAR WARRANTY.
5. TANK TO INCLUDE VEEDER-ROOT TLS-350 LEAK DETECTION SYSTEM PACKAGE WITH INVENTORY CONTROL, INTERSTITIAL LEAK SENSOR AND OVERFILL ALARM. NO SUBSTITUTES.
6. TANK TO INCLUDE AUTOMATIC OVERFLOW PROTECTION FILL BOX WITH LOCKABLE SEPARATE FILL CAP.
7. ALL OIL TANK PIPING SHALL BE SCHEDULE 40 BLACK STEEL WITH CATHODIC PROTECTION (30 YEAR WARRANTY) BY STI-P3 PROTECTION SYSTEM. PROVIDE ISOLATION AT TANK AND BUILDING PIPE CONNECTIONS WITH NEOPRENE GASKETS. WELD OTHER JOINTS UNLESS NOTED OTHERWISE.
8. SEAL ALL PENETRATIONS INTO TRENCH OF BUILDING WATERTIGHT SILICONE SEALANT BOTH SIDES OF WALL (LINK SEAL).
9. TEST ALL PIPING PRIOR TO BURIAL; "F.O.S." AT 20" MERCURY, "F.O.R." AT 100 PSIG FOR 48 HOURS. REPAIR ANY AND ALL LEAKS.
10. EACH CATHODIC PROTECTION SYSTEM SHALL HAVE MONITORING CAPABILITIES AND TEST POINTS OR REFERENCE ELECTRODES SHALL BE READILY ACCESSIBLE.
11. CONCRETE SHALL BE STONE CONCRETE WITH MIN. 3000 PSI COMPRESSIVE STRENGTH AT 28 DAYS. CONCRETE WORK SHALL CONFORM TO ACI 318 AND LOCAL BUILDING CODE. BAR REINFORCEMENT SHALL CONFORM TO ASTM A615 GRADE 60.
12. STRIP EXISTING TOPSOIL FOR REUSE. EXCAVATE ALL MATERIALS ENCOUNTERED TO ALLOW FOR COMPLETE INSTALLATION OF THE STORAGE TANK, PIPING, CONDUIT, ETC., AND AS REQUIRED FOR REMOVAL OF THE EXISTING TANK AND ASSOCIATED PIPING.
13. PLACE PEA STONE FOR CUSHION AND PROVIDE 12" MIN. BETWEEN TANK AND PAD. BACKFILL AND COMPACT EXCAVATIONS USING SUITABLE FILL. EXCAVATED SOIL FROM THE SITE MAY BE USED FOR FILL PROVIDED IT IS CLEAN, WELL GRADED, NATURAL IN ORGANIC GRANULATED SOIL MEETING PROJECT MANAGER'S APPROVAL. UNSUITABLE OR SURPLUS SOIL SHALL BE REMOVED FROM THE SITE. FURNISH ADDITIONAL FILL AS REQUIRED. PACK FILL IN UNIFORM 8" LIFTS AND COMPACT TO 95% MAX. DRY DENSITY.
14. PLACE TOPSOIL (2" MIN. COMPACT DEPTH) TO PATCH EXISTING LAWN AREAS BLENDING WITH EXISTING GRADES, FERTILIZE, SEED, MULCH AND WATER UNTIL A GOOD STAND OF GRASS IS ESTABLISHED.
15. ANY CONTAMINATED SOIL ENCOUNTERED SHALL BE DISPOSED OF IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS.
16. PUMPING AND CLEANING OF TANKS, PIPES AND REMOVAL AND DISPOSAL OF TANK TO BE DONE BY THE CONTRACTOR.

STATE OF VERMONT
Department of Buildings and General Services
Agency of Administration
Montpelier, Vermont

ST. JOHNSBURY
STATE OFFICE BUILDING
FUEL TANK REPLACEMENT
ST. JOHNSBURY VERMONT

REVISIONS	SCALE: AS NOTED	DATE: APRIL, 2001	DRAWN BY: TJ DREW	APPR. BY: V BLAISDELL

STATE OFFICE BUILDING

PLAN & DETAILS

SD-1

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