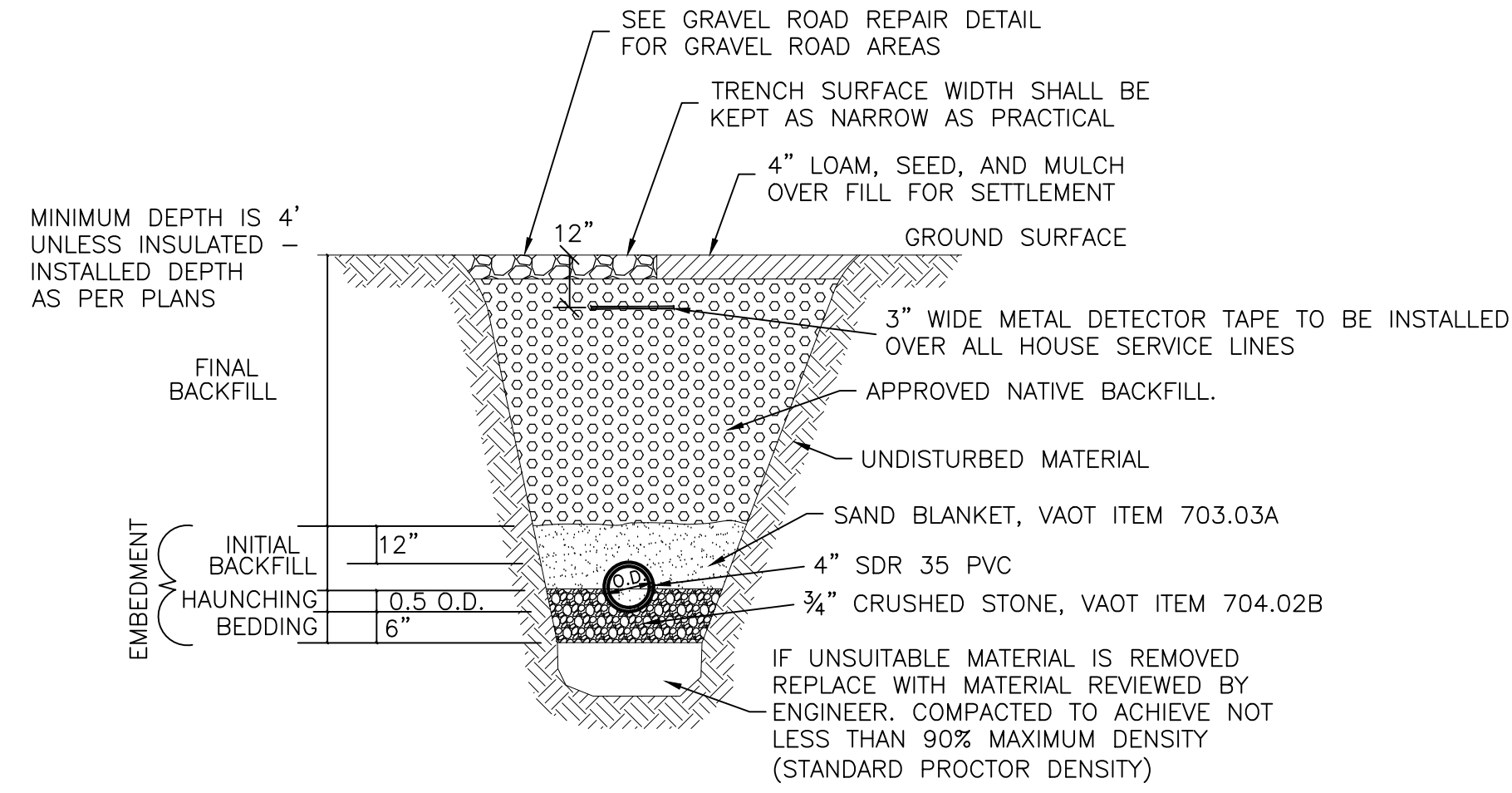


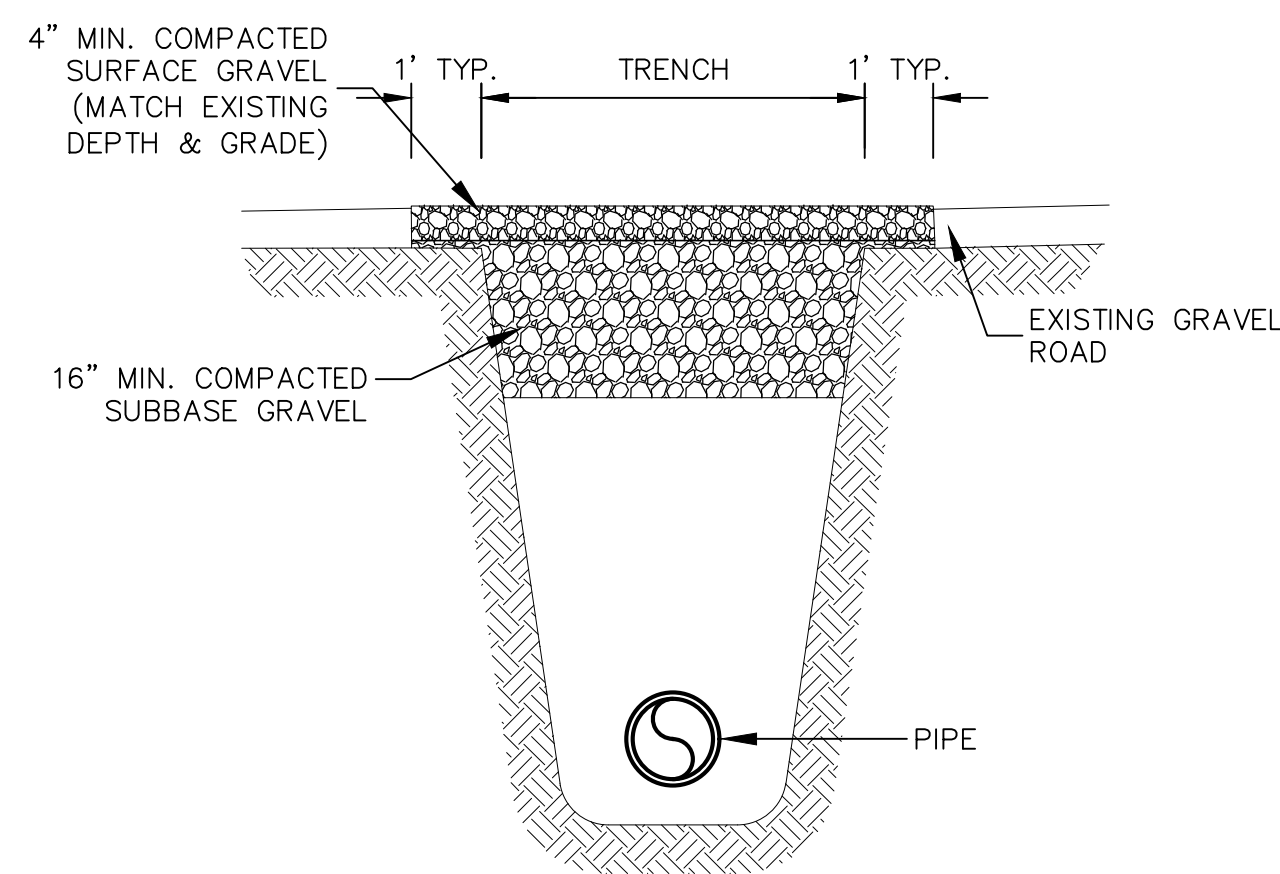
CONSTRUCTION NOTES

1. BURIED UTILITIES
 - A. UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE ONLY, THOSE SHOWN ON THE DRAWINGS ARE BASED ON THE BEST AVAILABLE INFORMATION. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UTILITY LOCATIONS, ELEVATIONS, OR CONFLICTS.
 - B. THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE TO EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR REPAIR OF ANY SUCH DAMAGE AS QUICKLY AS POSSIBLE AT HIS/HER OWN EXPENSE. THE CONTRACTOR SHALL MAINTAIN A SUPPLY OF REPAIR MATERIALS AND PIPE ON THE JOB SITE AT ALL TIMES IN ORDER TO MINIMIZE THE INCONVENIENCE CAUSED BY SUCH DAMAGE.
2. SEWER UTILITY CONSTRUCTION
 - A. THE CONTRACTOR SHALL USE ONLY DESIGNATED BENCH MARKS FOR REFERENCE ELEVATIONS.
 - B. ADDITIONAL FITTINGS & BENDS AS NECESSARY SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST IN ORDER TO FURNISH A COMPLETE & FUNCTIONAL SYSTEM.
 - C. THE CONTRACTOR SHALL INSTALL A MECHANICAL PLUG IN THE END OF THE PIPE AT THE COMPLETION OF EACH WORK DAY TO SEAL IT FROM WATER AND SOIL.
 - D. ALL BURIED SEWER PIPE SHALL BE SCH 40 PVC (4"Ø).
 - E. CONTRACTOR SHALL FULLY STAKE OR INDELIBLY MARK EACH SECTION OF LINE TO BE CONSTRUCTED STAKING SHALL CONSIST OF A WITNESS MARK AT EACH 50' STATION, AT EACH BEND LOCATION AND AT EACH ACCESSORY STAKING SHALL BE COMPLETED PRIOR TO ANY CONSTRUCTION AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WITH ASSISTANCE FROM THE ENGINEER AND THE OWNER.
3. SITE WORK
 - A. EXISTING FENCES, FLOWERS, BUSHES, TREES, MAILBOXES, SIGNS, CATCH BASINS, CULVERT HEADWALLS, ETC. REMOVED BY THE CONTRACTOR SHALL BE REPLACED TO AT LEAST THEIR ORIGINAL CONDITION. THE CONTRACTOR IS RESPONSIBLE FOR RECORDING RECONSTRUCTION CONDITIONS BY USE OF PHOTOGRAPHS, VIDEO TAPES, AND OTHER METHODS. THE COST OF THIS RECONSTRUCTION AND DOCUMENTATION SHALL BE PAID FOR UNDER THE LUMP SUM BID.
 - B. SOME MAILBOXES AND SIGNS ARE NOT SHOWN ALONG PROJECT ROUTE FOR REASONS OF CLARITY. THE CONTRACTOR SHALL RESET ALL MAILBOXES AND SIGNS AS SOON AS POSSIBLE.
 - C. TREES LOCATED WITHIN THE R.O.W OR ANY CONSTRUCTION EASEMENT LIMIT SHALL NOT BE TRIMMED, DAMAGED, OR DESTROYED WITHOUT PERMISSION FROM THE PROPERTY OWNER ON A LOCATION BY LOCATION BASIS.
4. RECORD DRAWINGS
 - A. ALL BURIED UTILITIES ENCOUNTERED SHALL BE DOCUMENTED WITH DEPTH AND THREE (3) TIES AND SHOWN BY THE CONTRACTOR ON RECORD DRAWINGS.
 - B. ALL NEW FITTINGS AND CORPORATION STOPS SHALL BE DOCUMENTED WITH THREE (3) TIES AND SHOWN BY THE CONTRACTOR ON THE RECORD DRAWINGS. THESE TIES SHALL IMMEDIATELY BE PROVIDED TO THE ENGINEER.
5. CONNECTIONS TO EXISTING SYSTEM
 - A. EXISTING SEWER SERVICE SHALL BE MAINTAINED DURING CONSTRUCTION. THE NEW SEWER SYSTEM SHALL BE TESTED, AND INSPECTED, PRIOR TO USE.
 - B. GRAVITY SEWERS AND SEWER MANHOLES SHALL BE LEAKAGE TESTED IN ACCORDANCE WITH SECTION 1-A-03(K) OF THE STATE OF VERMONT, ENVIRONMENTAL PROTECTION RULES, CHAPTER 1 (LATEST ADDITION). GRAVITY SEWERS SHALL BE LEAKAGE TESTED EITHER BY WATER TESTING OR AIR TESTING IN ACCORDANCE WITH THE RULES. SEWER MANHOLES SHALL BE LEAKAGE TESTED EITHER BY WATER EXFILTRATION OR BY A VACUUM TEST IN ACCORDANCE WITH THE RULES. THE SEPTIC TANK SHALL BE LEAKAGE TESTED IN ACCORDANCE WITH ASTM C1227-12 (LATEST ADDITION) EITHER BY A VACUUM OR EXFILTRATION TEST.
 - C. FINAL CONNECTIONS TO THE EXISTING SYSTEM SHALL BE DONE AFTER THE NEW SYSTEM IS ACCEPTED.
 - D. BOTH FINAL CONNECTIONS TO THE EXISTING SEWER MAIN SHALL OCCUR WITHIN ONE WORK-DAY.
6. SAFETY AND PROTECTION
 - A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE SAFETY OF, AND SHALL PROVIDE THE NECESSARY PROTECTION TO PREVENT DAMAGE, INJURY, OR LOSS TO:
 - a.) ALL EMPLOYEES ON THE WORK SITE AND OTHER PERSONS WHO MAY BE AFFECTED THEREBY
 - b.) ALL THE WORK AND ALL MATERIALS OR EQUIPMENT TO BE INCORPORATED THEREIN, WHETHER IN STORAGE ON, OR OFF, THE SITE AND
 - c.) OTHER PROPERTIES AT THE SITE OR ADJACENT THERETO, INCLUDING TREES, SHRUBS, LAWNS, WALKS, PAVEMENTS, ROADWAYS, STRUCTURES, AND UTILITIES NOT DESIGNATED FOR REMOVAL, RELOCATION, OR REPLACEMENT IN THE COURSE OF CONSTRUCTION.
 - B. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE STANDARDS (SPECIFICALLY INCLUDING OSHA, VOSHA, AND ANY OTHER STATE ADOPTED OSHA PROGRAM), LAWS, ORDINANCES, REGULATIONS AND ORDERS OF ANY PUBLIC BODY HAVING JURISDICTION FOR THE SAFETY OF PERSONS OR PROPERTY OR TO PROTECT THEM FROM DAMAGE, INJURY, OR LOSS, AND SHALL ERECT AND MAINTAIN ALL NECESSARY SAFEGUARDS FOR SUCH SAFETY AND PROTECTION. CONTRACTOR SHALL NOTIFY OWNERS OF ADJACENT PROPERTY AND UTILITIES WHEN EXCAVATION OF THE WORK MAY AFFECT THEM.
 - C. CONTRACTOR'S DUTIES AND RESPONSIBILITIES FOR THE SAFETY AND PROTECTION OF THE WORK SHALL CONTINUE UNTIL SUCH TIME AS THE WORK IS COMPLETED AND ACCEPTED BY THE OWNER.
 - D. THE CONTRACTOR SHALL CONTACT "DIGSAFE" AT 1-888-344-7233 PRIOR TO EXCAVATING IN CONSTRUCTION AREAS IN ORDER TO LOCATE BURIED UTILITIES.
7. EROSION CONTROL & CONSTRUCTION SEQUENCE
 - A. EROSION CONTROL SHALL BE PROVIDED AS NECESSARY BY THE CONTRACTOR. EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE VERMONT STATE STANDARDS LISTED BELOW. PREVENTATIVE EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO CONSTRUCTION AND ALL DISTURBED AREAS ARE TO BE IMMEDIATELY STABILIZED.
 - B. PARTICULAR ATTENTION SHALL BE GIVEN TO MAINTAINING THE STABILITY OF DOWN GRADIENT AREAS AND RUNOFF CONTROL WHERE POSSIBLE. ALWAYS AVOID CONCENTRATION OF STORM WATER RUNOFF.
 - C. ANY SOILS TEMPORARILY EXPOSED LONGER THAN SEVEN (7) DAYS SHALL BE STABILIZED.
 - D. TOPSOIL, SEED, AND MULCH SHALL BE APPLIED IMMEDIATELY UPON TRENCH BACKFILL.
 - E. UPON COMPLETION OF CONSTRUCTION AND ONCE ALL PERMANENT VEGETATIVE COVER IS FIRMLY ESTABLISHED, ALL TEMPORARY EROSION CONTROL DEVICES SHALL BE REMOVED.
 - F. CONSTRUCTION SHALL BE CONDUCTED IN ACCORDANCE WITH THE VERMONT EROSION PREVENTION AND SEDIMENT CONTROL FIELD GUIDE AND THE LOW RISK SITE HANDBOOK FOR EROSION CONTROL AND SEDIMENT PREVENTION.



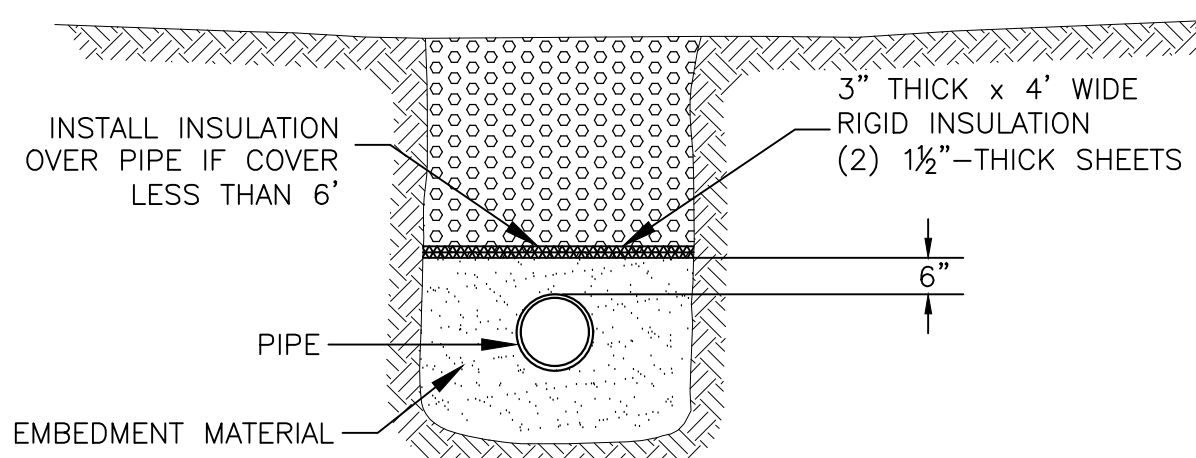
**TYPICAL TRENCH DETAIL
BURIED SANITARY SEWER PIPE**
SCALE: NONE

1. NO MECHANICAL TAMPERS SHALL BE USED DIRECTLY OVER PIPE TO INSURE THE PIPE IS NOT DAMAGED.
2. BEDDING TO PROVIDE A FIRM, STABLE, CONTINUOUS AND UNIFORM SUPPORT FOR THE FULL LENGTH OF PIPE
3. USE PIPE TRENCH INSULATION WHERE 6'-0" MINIMUM COVER CAN NOT BE MAINTAINED



**TRENCH GRAVEL ROAD
OR DRIVE REPAIR**
SCALE: NONE

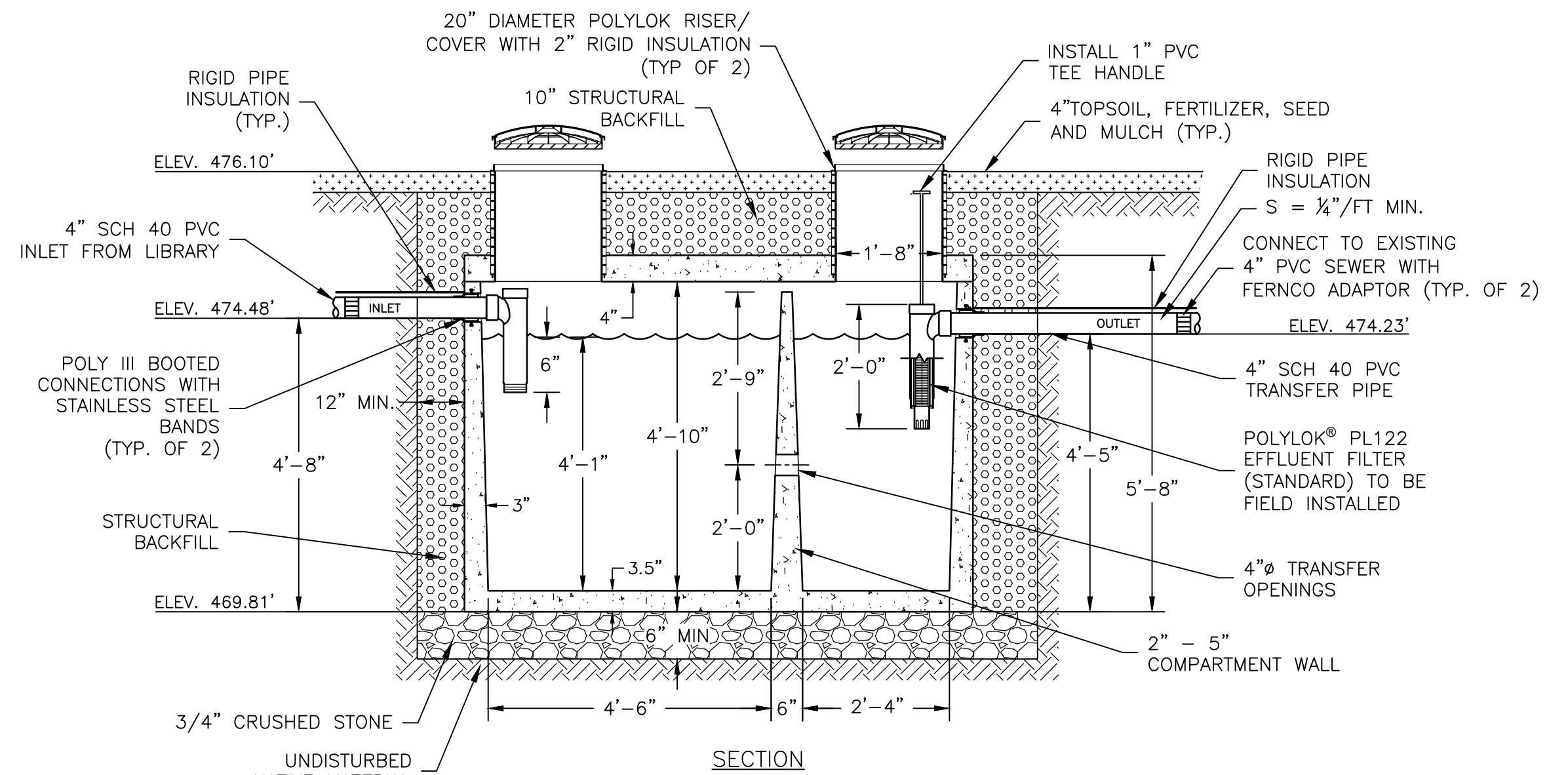
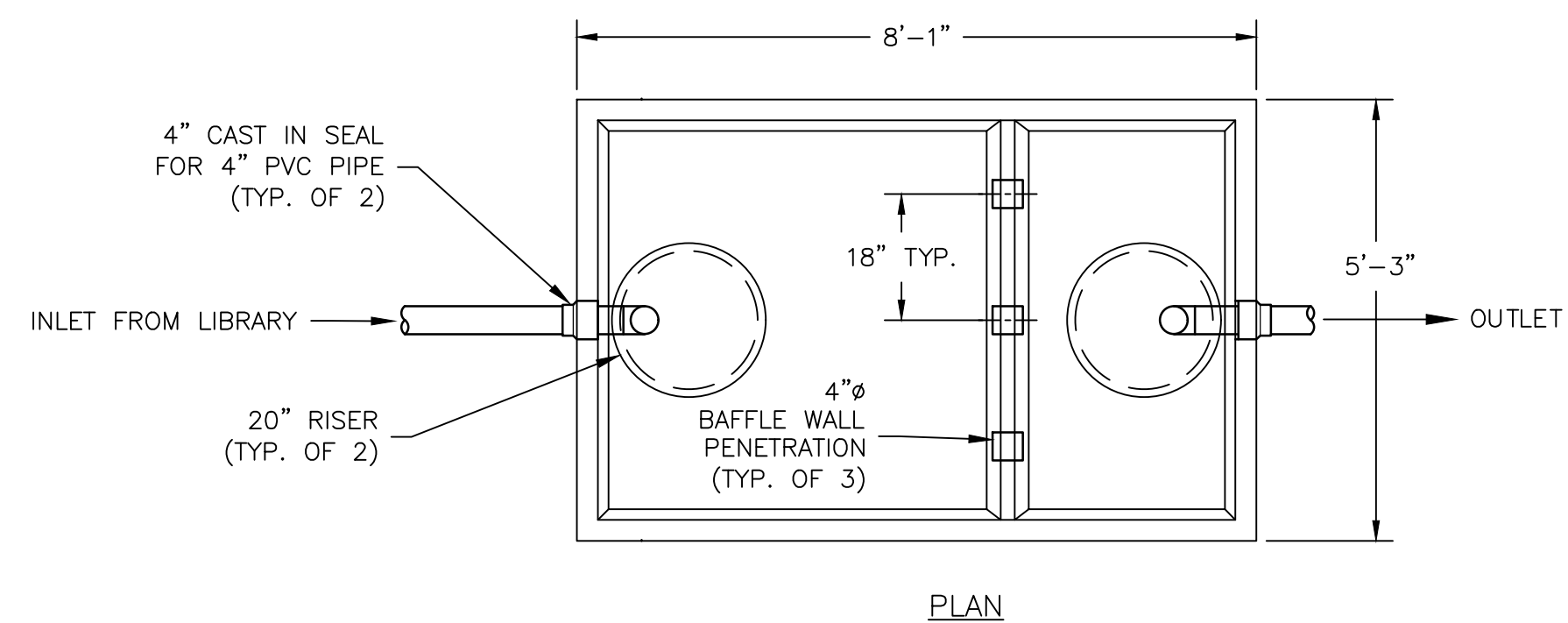
- 1) KEEP TRENCH SURFACE AS NARROW AS PRACTICAL.



NOTES:

1. STAGGER INSULATION JOINTS SO THAT NO JOINTS OF THE TWO (2) LAYERS ARE ONE OVER THE OTHER
2. TO BE INSULATED AS DIRECTED BY THE ENGINEER.
3. INSULATION TO BE UTILIZED AT ALL LOCATIONS INDICATED ON THE PROFILE AND OTHER AREAS WHERE 6'-0" MINIMUM COVER CANNOT BE MAINTAINED.

PIPE INSULATION DETAIL
SCALE: NONE



1,000 GALLON SEPTIC TANK
SCALE: NONE

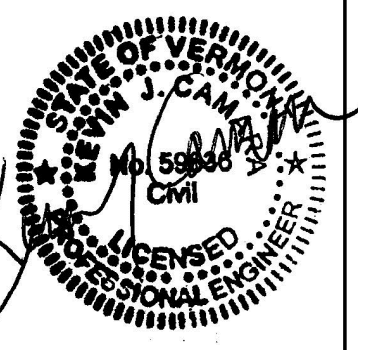
PRECAST CONCRETE TANK NOTES:

1. ALL JOINTS SHALL BE SEALED WITH BUTYL SEALANT.
2. CONCRETE MINIMUM STRENGTH SHALL BE 5,000 PSI @ 25 DAYS.
3. STEEL REINFORCEMENT SHALL BE GRADE 60.
4. ALL PRECAST CONCRETE TANKS SHALL BE LEAKAGE TESTED IN ACCORDANCE WITH ASTM C1227-12 (LATEST ADDITION) BY EITHER AN EXFILTRATION TEST OR VACUUM TEST.

REV.	DATE	DESCRIPTION	BY

1438 SOUTH BROWNELL ROAD
WILLIMANTON, VT 05201
PHONE: (802)862-5590
FAX: (802)862-7598

**GREEN MOUNTAIN
ENGINEERING**
CIVIL WATER WASTEWATER



NOTES, SECTIONS & DETAILS

TOWN HALL SEPTIC TANK REPLACEMENT

TOWN OF WESTFORD, VERMONT

DESIGNED	PLLOT DATE
KJC	6/20/16
DRAWN	SCALE
PJH	1" = 10'
CHECKED	DATE
AH	JUN. 2016
PROJECT NO. 25-007.02	
DRAWING NO. 2	
SHEET 2 OF 2	