

GENERAL NOTES

1. PROPERTY LINE AND TOPOGRAPHIC INFORMATION SHOWN HEREON WAS OBTAINED FROM SAMIOTES CONSULTANTS, INC. ELEVATIONS SHOWN HEREON REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.
2. THE PROPERTY LINES FOR LOT 3 SHOWN HEREON ARE PROPOSED. FINAL LOCATION OF THE PROPERTY LINES FOR LOT 3 SHALL BE A MINIMUM OF 20 FEET FROM THE SOIL ABSORPTION SYSTEM.
3. THE PROPOSED BUILDING CONFIGURATION AS SHOWN HEREON SHALL BE CONSIDERED CONCEPTUAL AND SHALL BE VERIFIED WITH THE FINAL ARCHITECTURAL PLANS AND CURRENT ZONING ORDINANCES PRIOR TO CONSTRUCTION.
4. IN CASES WHERE LEDGE OR BOULDERS ARE PRESENT, DGT ASSOCIATES WILL NOT BE RESPONSIBLE FOR THE AMOUNT OF ROCK ENCOUNTERED.
5. DGT ASSOCIATES WILL NOT BE RESPONSIBLE FOR THE PERFORMANCE OF THE SYSTEM UNLESS CONSTRUCTED AS SHOWN. ANY ALTERATIONS MUST BE APPROVED IN WRITING BY DGT ASSOCIATES.
6. NO CONSTRUCTION SHALL TAKE PLACE UNTIL A DISPOSAL WORKS CONSTRUCTION PERMIT HAS BEEN ISSUED BY THE SHERBORN BOARD OF HEALTH.
7. PURSUANT TO 310 CMR 246(2) THE PERIMETER OF THE SOIL ABSORPTION SYSTEM SHALL BE STAKED AND FLAGGED, FROM THE DATE OF INSTALLATION UNTIL THE ISSUANCE OF A CERTIFICATE OF COMPLIANCE.
8. VEHICULAR TRAFFIC AND PARKING, STOCKPILING OF MATERIALS AND STORAGE OF EQUIPMENT OVER THE SOIL ABSORPTION SYSTEM SHALL BE PROHIBITED AT ALL TIMES.
9. THE SYSTEM INSTALLER IS RESPONSIBLE FOR NOTIFYING DGT ASSOCIATES 48 HOURS BEFORE BEGINNING CONSTRUCTION AND 48 HOURS PRIOR TO SIGNIFICANT CONSTRUCTION EVENTS TO SCHEDULE NECESSARY INSPECTIONS.
10. PURSUANT TO 310 CMR 15.021 (3) THE DISPOSAL SYSTEM INSTALLER IS REQUIRED TO CERTIFY IN WRITING, ON A FORM APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION, THAT THE SYSTEM HAS BEEN CONSTRUCTED IN COMPLIANCE WITH 310 CMR 15.000, THE APPROVED DESIGN PLANS AND ALL LOCAL REQUIREMENTS, AND THAT ANY CHANGES TO THE DESIGN PLANS HAVE BEEN REFLECTED ON THE AS-BUILT PLAN WITH CERTIFICATION PREPARED BY THE DESIGNER.
11. SUBSURFACE COMPONENTS OF A SYSTEM SHALL NOT BE BACKFILLED, OR OTHERWISE CONCEALED FROM VIEW, UNTIL A FINAL INSPECTION HAS BEEN CONDUCTED BY THE APPROVING AUTHORITY AND PERMISSION HAS BEEN GRANTED BY THE APPROVING AUTHORITY TO BACKFILL THE SYSTEM.
12. PRIOR TO COVERING, ALL SYSTEM COMPONENTS AND THE SOIL ABSORPTION SYSTEM SHALL BE MARKED WITH MAGNETIC MARKING TAPE OR A COMPARABLE MEANS IN ORDER TO LOCATE THEM ONCE BURIED.
13. STRUCTURAL DETAILS FROM INDEPENDENT VENDORS ARE CONSTANTLY CHANGING. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THAT DETAILS SHOWN HEREON MATCH THE CURRENT DETAILS AND SPECIFICATIONS FROM VENDORS.
14. THIS PLAN IS NOT INTENDED TO SHOW AN ENGINEERED BUILDING FOUNDATION DESIGN WHICH WOULD INCLUDE DETAILS AND ELEVATIONS FOR FOOTINGS AND FOUNDATION WALL DESIGN. COORDINATE WITH THE ARCHITECTURAL PLANS.

OWNER/APPLICANT:
WASHINGTON STREET
SHERBORN HOMES, LLC
ROBERT MURCHISON
177 LAKE STREET
SHERBORN, MA 01770

PARCEL ID:

MAP 7, LOT 0, BLOCK 49

ISSUED FOR

REGULATORY NOTES

1. THE LOCATION OF ALL UNDERGROUND UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BY CONTACTING "DIG-SAFE" AT 811.
2. THE CONTRACTOR SHALL MAKE HIMSELF AWARE OF ALL CONSTRUCTION REQUIREMENTS, CONDITIONS AND LIMITATIONS IMPOSED BY PERMITS AND APPROVALS ISSUED BY REGULATORY AUTHORITIES PRIOR TO THE COMMENCEMENT OF ANY WORK. CONTRACTOR SHALL COORDINATE AND OBTAIN ALL CONSTRUCTION PERMITS REQUIRED BY REGULATORY AUTHORITIES.
3. ALL CONSTRUCTION SHALL CONFORM TO TITLE 5 OF THE MASSACHUSETTS STATE ENVIRONMENTAL CODE (310 CMR 15.000).
4. ALL WORK OUTSIDE OF THE BUILDING THAT IS LESS THAN 10 FEET FROM THE INSIDE FACE OF THE BUILDING FOUNDATIONS SHALL CONFORM WITH THE UNIFORM STATE PLUMBING CODE OF MASSACHUSETTS, 248 CMR.
5. CONSTRUCTION ACTIVITIES SHALL CONFORM TO THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).
6. A PRECONSTRUCTION MEETING WITH THE BOARD OF HEALTH, CONSERVATION COMMISSION, DESIGN ENGINEER, AND SITE CONTRACTOR SHALL TAKE PLACE PRIOR TO ANY CONSTRUCTION ACTIVITIES.
7. THE SOIL ABSORPTION SYSTEM HAS BEEN DESIGNED WITHOUT THE ADDITIONAL 50% REQUIRED FOR THE USE OF A GARBAGE GRINDER. A GARBAGE GRINDER DEED RESTRICTION SHALL BE RECORDED AT THE REGISTRY OF DEEDS.

DATA MANAGEMENT

100

DESIGN:
BEC/KMR

SPECIAL NOTES

1. THE SUBJECT PROPERTY IS WITHIN A NITROGEN SENSITIVE AREA AS DEFINED IN 310 CMR 15.215.

2. STATEMENTS RELATIVE TO OTHER SETBACK REQUIREMENTS: TO OUR KNOWLEDGE THERE ARE:
NO PUBLIC WELLS WITHIN 400 FT. OF THE PROPOSED SYSTEM.
YES PRIVATE WELLS WITHIN 200 FT. OF THE PROPOSED SYSTEM.
YES WETLAND RESOURCE AREAS, AS DEFINED UNDER THE MASS. WETLANDS PROTECTION ACT REGULATIONS (310 CMR 10.00), INCLUDING VERNAL POOLS WITHIN 150 FT. OF THE SUBJECT LOT. (SEE PLAN)
NO INLAND BANKS WITHIN 150 FT. OF THE PROJECT.
NO WETLANDS BORDERING SURFACE WATER SUPPLY OR TRIBUTARIES ARE LOCATED ON THIS PROJECT.
NO SURFACE WATERS ARE LOCATED WITHIN 150 OF THE PROJECT.
NO REGULATED FLOODPLAINS OR FLOODWAYS ARE LOCATED ON THE SUBJECT LOT.
NO LEACHING CATCH BASINS OR DRYWELLS ARE LOCATED NEAR COMPONENTS OF THE PROPOSED SEWAGE DISPOSAL SYSTEM.
NO OPEN SURFACE OR SUBSURFACE DRAINS, OR INTERCEPTOR DRAINS ARE PROPOSED FOR THIS PROJECT AND THERE ARE NO SUCH EXISTING DRAINS WITHIN 125' OF THE SOIL ABSORPTION SYSTEM.
YES FOUNDATION DRAINS ARE PROPOSED FOR THE SUBJECT BUILDING.
NO BOUNDARY OF REGULATORY FLOODWAYS.

SOIL TESTING & ESIGHT NOTES

1. SOIL TESTING COMPLETED WITHIN THE LIMIT OF THE PROPOSED SOIL ABSORPTION SYSTEM
WAS COMPLETED BY DGT ASSOCIATES AND WITNESSED BY PAUL SAULNIER FOR THE

HOMEOWNER NOTES

HOMEOWNER NOTES

1. FOR PROPER PERFORMANCE, THE SEPTIC TANKS SHOULD BE INSPECTED ANNUALLY AND PUMPED WHENEVER THE TOP OF THE SLUDGE OR SOLIDS LAYER IS WITHIN 12 INCHES OF THE BOTTOM OF THE OUTLET TEE, OR THE TOP OF THE SCUM LAYER IS WITHIN TWO INCHES OF THE TOP OF THE OUTLET TEE, OR IF THE BOTTOM OF THE SCUM LAYER IS WITHIN 2 INCHES OF THE BOTTOM OF THE OUTLET TEE. MINIMALLY THE TANKS SHOULD BE PUMPED ONCE EVERY TWO YEARS.
2. THE EFFLUENT FILTER INSTALLED IN THE OUTLET TEE OF THE TANK SHOULD BE INSPECTED ANNUALLY AND CLEANED AS NECESSARY.

HOMEOWNER NOTES

1. FOR PROPER PERFORMANCE, THE SEPTIC TANKS SHOULD BE INSPECTED ANNUALLY AND PLUMBED WHENEVER THE TOP OF THE SLUDGE OR SCUM LAYER IS WITHIN 12 INCHES OF THE GRAVEL LAYER. *During construction, washing*

SUBSURFACE SEWAGE DISPOSAL SYSTEM PLAN

560

1 OF 3

F-25902

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SEWAGE DISPOSAL SYSTEM GENERAL PERFORMANCE, INSTALLATION AND STANDARDS NOTES

I. GENERAL CONSTRUCTION REQUIREMENTS FOR SEPTIC TANKS
A. ALL COMPONENTS SHALL BE CONSTRUCTED OF PRECAST REINFORCED CONCRETE, OR APPROVED EQUAL.

B. ALL COMPONENTS SHALL BE CONSTRUCTED TO THE DIMENSIONAL REQUIREMENTS SHOWN ON THE ACCOMPANYING DETAILS.

C. ALL CONSTRUCTION MATERIALS SHALL MEET THE FOLLOWING MINIMUM REQUIREMENTS:
(1) CONCRETE: STRENGTH: $f_c=4,000$ PSI AT 28 DAYS, DENSITY 140 PCF.
(2) CEMENT: PORTLAND TYPE I OR III PER ASTM C150-81.
(3) ADMIXTURES: PER ASTM C233-82.
(4) MINIMUM DESIGN LOADING: (SEE DETAILS)
(5) MINIMUM WALL THICKNESS: (SEE DETAILS)

D. COMPONENTS SHALL BE EMBOSSED WITH A SEAL STATING THAT THE QUALITY CONTROL / QUALITY ASSURANCE STANDARD OUTLINED IN ASTM C 1227-93, HAS BEEN MET.

E. ALL COMPONENTS SHALL BE PLACED ON A LEVEL STABLE BASE THAT HAS BEEN MECHANICALLY COMPACTED AND ONTO WHICH SIX (6) INCHES OF CRUSHED STONE HAS BEEN PLACED. FOR COMPONENTS PLACED IN FILL, THE BASE MATERIAL SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR DENSITY, BEFORE PLACEMENT OF CRUSHED STONE.

F. NO STRUCTURES SHALL BE LOCATED DIRECTLY UPON OR ABOVE ANY COMPONENT ACCESS LOCATIONS WHICH INTERFERE WITH PERFORMANCE, ACCESS, INSPECTION, PUMPING OR REPAIR.

G. ALL COMPONENTS SHALL BE EITHER:
(1) WATERTIGHT THROUGH MANUFACTURER'S SPECIFICATIONS AND WARRANTY; OR
(2) MADE WATERTIGHT BY THE MANUFACTURER, EQUIPMENT SUPPLIER OR INSTALLER USING ASPHALT OR SYNTHETIC POLYMER SEALER SPECIFIED BY THE CONCRETE OR SYNTHETIC POLYMER MATERIAL MANUFACTURER.

H. ALL SYSTEM COMPONENTS MUST BE MARKED WITH MAGNETIC TAPE BEFORE BACKFILLING OCCURS.

II. CONSTRUCTION REQUIREMENTS BY SYSTEM COMPONENT

A. BUILDING SEWER:
1. THE BUILDING SEWER SHALL BE SEPARATED FROM A PRIVATE WATER SUPPLY WELL, OR SUCTION LINE, BY A MINIMUM OF TEN (10) FEET.
2. THE BUILDING SEWER SHALL BE CONSTRUCTED OF CORROSION RESISTANT MATERIAL AS SPECIFIED ON THE DESIGN PLANS.
3. THE BUILDING SEWER SHALL BE LAID ON A COMPACTED FIRM BASE AT A CONTINUOUS UNIFORM SLOPE TOWARD A DRAINAGE LINE, AS NEARLY AS POSSIBLE.
4. ALL PIPE JOINTS SHALL BE MADE WATERTIGHT AND PROTECTED AGAINST ROOT DAMAGE. Poured-type joints shall be properly wiped on the inside to prevent obstruction of flow.
5. THE BUILDING SEWER SHALL BE VENTED THROUGH THE MAIN VENT STACK OR MAIN VENT OF THE BUILDING SERVED BY IT. NO TRAP SHALL BE INSTALLED IN THE BUILDING SEWER OR BUILDING DRAIN.

6. ALL BUILDING SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STATE PLUMBING CODE 248 CMR.
7. ALL SEWER PIPE SHOWN LABELED AS SCH-40 PVC IS TO CONFORM TO ASTM D 1785 GENERAL PURPOSE SEWER PIPE.

B. SEPTIC TANKS: (UNLESS OTHERWISE SHOWN ON THE PLAN)
1. A MINIMUM 20-INCH DIAMETER OPENING SHALL BE CAST IN THE CENTER OF THE TANK AND OVER THE INLET AND OUTLET TEES. MANHOLE COVERS SHALL BE RAISED TO GRADE BY PROVIDING WATERTIGHT PRECAST 24-INCH I.D. RISERS, OR APPROVED EQUAL. EACH RISER SHALL BE TOPPED WITH A WATERTIGHT FRAME AND COVER (AS SHOWN ON THE DETAILS).
2. THE SEPTIC TANK SHALL HAVE A MINIMUM OF 9" OF COVER AND A MAXIMUM OF 36" OF COVER.

C. SOIL ABSORPTION SYSTEM: (UNLESS OTHERWISE SHOWN ON THE PLAN)
1. NO IMPERVIOUS AREA SHALL BE LOCATED ABOVE A SOIL ABSORPTION SYSTEM UNLESS THE SOIL ABSORPTION SYSTEM IS APPROVED BY THE SHERBORN BOARD OF HEALTH.
2. THE TOPSOIL AND FILL IS TO BE REMOVED WITHIN THE FOOTPRINT OF THE SOIL ABSORPTION SYSTEM PRIOR TO INSTALLATION.
3. THE SOIL ABSORPTION SYSTEM SHALL BE COVERED WITH A MINIMUM OF NINE (9) INCHES OF BACKFILL, EXCLUDING TOPSOIL, AND SUFFICIENTLY COMPACTED TO PREVENT DEFORMATION. BACKFILL MUST BE CLEAN AND FREE OF STONES AND BOULDERS GREATER THAN SIX (6) INCHES IN SIZE; TAILINGS AND CLAY OR SIMILAR MATERIALS, ARE NOT ACCEPTABLE.
4. THE FINAL GRADE OVER THE SYSTEM SHALL HAVE A MINIMUM SLOPE OF 2% AND SURFACE DRAINAGE SHALL BE DIRECTED AWAY FROM IT.
5. CARE SHALL BE TAKEN TO ENSURE THAT THE BOTTOM OF THE SOIL ABSORPTION SYSTEM IS NOT SCRATCHED DURING EXCAVATION. THE BOTTOM AND SIDES OF THE LEACHING INTERFACES SHALL BE SCRAPED PRIOR TO CONSTRUCTION. THE BOTTOM OF THE LEACHING FACILITY SHALL BE LEVEL.

6. AGGREGATE REQUIRED FOR SOIL ABSORPTION SYSTEMS SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:

A. THE AGGREGATE SHALL BE BELOW THE CROWN OF THE DISTRIBUTION LINES TO THE BOTTOM OF THE SOIL ABSORPTION SYSTEM, SHALL CONSIST OF DOUBLE WASHED STONE RANGING FROM 1-1/4" TO 1-3/4" IN DIAMETER AND SHALL BE FREE OF IRON, FINES AND DUST.
B. A MINIMUM TWO (2) INCH LAYER OF DOUBLE WASHED STONE RANGING FROM 1/8"-1/2" IN DIAMETER (FREE OF IRON, FINES AND DUST) SHALL BE PLACED OVER THE AGGREGATE.
7. FILL REQUIRED FOR THE LEACHING AREA AS SHOWN ON THE DESIGN PLAN, SHALL BE COMPRISED OF CLEAN GRANULAR SAND, FREE FROM ORGANIC MATTER AND DELETERIOUS SUBSTANCES. MIXTURES AND LAYERS OF DIFFERENT MATERIALS SHALL NOT BE USED. THE FILL SHALL MEET THE GRADATION REQUIREMENTS OF 310 CMR 15.255 (3) WHICH IS AS FOLLOWS:

A. THE FILL SHALL CONTAIN NO MATERIAL LARGER THAN 2 INCHES.

B. NO GREATER THAN 45% BY WEIGHT SHALL BE RETAINED ON A NO. 40 SIEVE.

C. THE GRADATION OF THE PORTION OF THE FILL PASSING A NO. 40 SIEVE SHALL MEET THE FOLLOWING SPECIFICATIONS:

SIEVE SIEVE	EFFECTIVE PORE SIZE	PERCENT THAT MUST PASS SIEVE
#4	4.75mm	100%
#50	0.30mm	10%-100%
#100	0.15mm	0%-20%
#200	0.075mm	0%-5%

D. A SIEVE ANALYSIS SHALL BE PERFORMED FROM THE FILL IN PLACE.

E. NO PERMANENT STRUCTURE MAY BE CONSTRUCTED OVER THE 100% EXPANSION AREA.

F. EXCAVATION TO BE DRY AND SCARIFIED.

G. THE SOIL ABSORPTION SYSTEM SHALL BE LOCATED IN A DEDICATED SOIL ABSORPTION SYSTEM LOCATION SUCH THAT IT CAN BE PUSHED DURING EXCAVATION.

H. FILL SHALL NOT BE PLACED DURING RAIN OR SNOW STORMS.

I. DEWATERING IS REQUIRED FOR FILL TO BE PLACED BELOW THE ACTIVE GROUNDWATER TABLE.

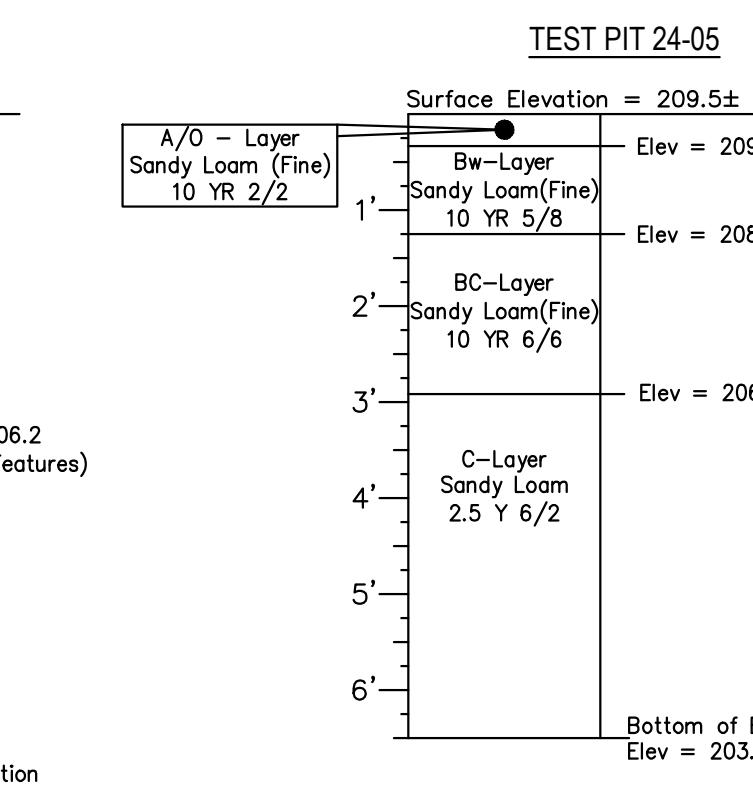
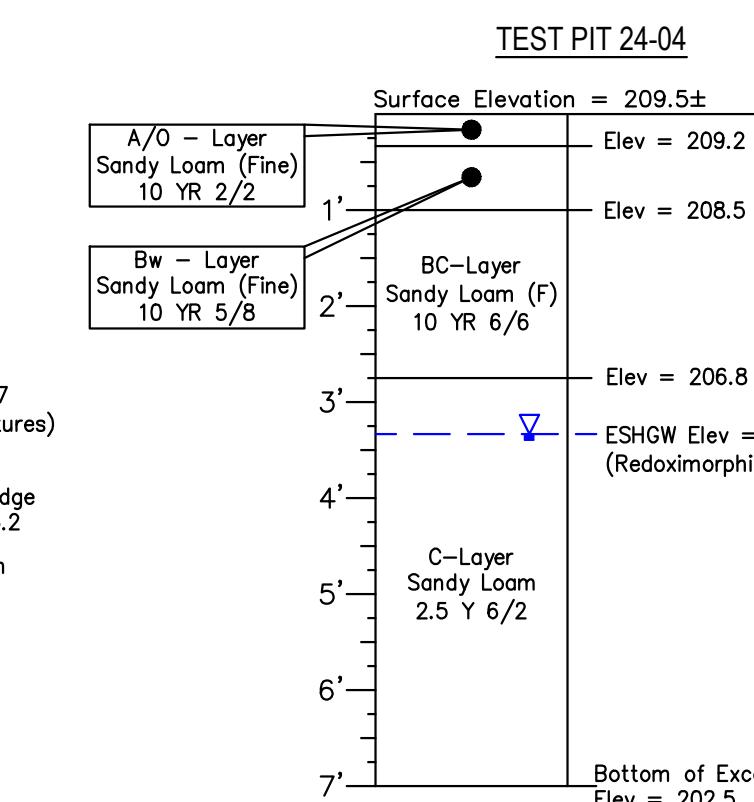
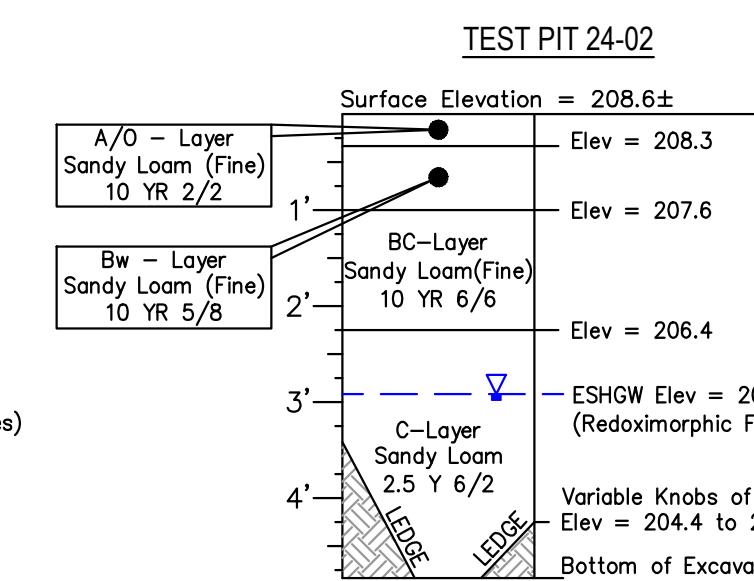
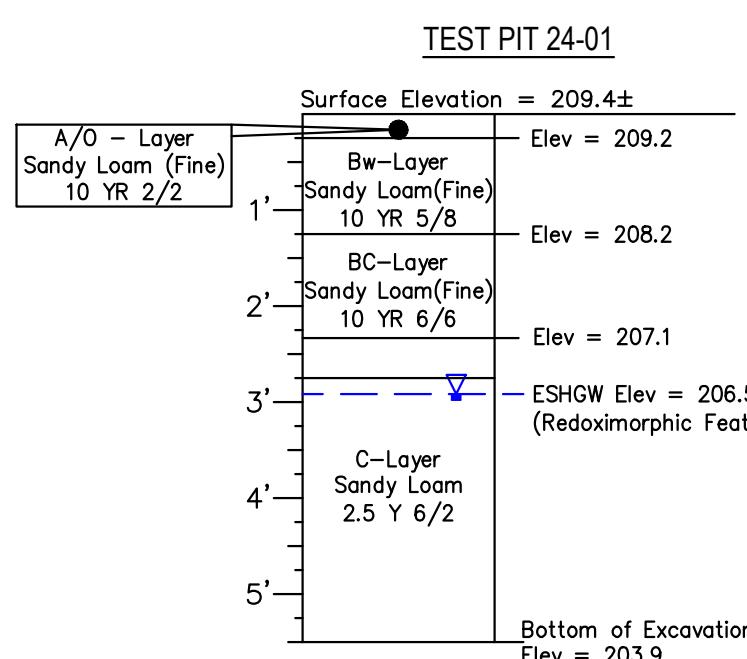
J. THE SOIL ABSORPTION SYSTEM SHALL HAVE TWO (2) INSPECTION PORTS CONSISTING OF A PERFORATED FOUR (4) INCH PIPE PLACED VERTICALLY DOWN INTO THE STONE, TO THE NATURAL SOIL OR CRUSHED STONE, AND SAND FILL BELOW THE STONE. THE PIPE SHALL BE CAPED WITH A SCREW TYPE CAP AND ACCESSIBLE TO WITHIN THREE (3) INCHES OF FINISHED GRADE.

K. SOIL ABSORPTION SYSTEM PIPING

A. ALL CONNECTIONS AND JOINTS SHALL BE WATER TIGHT AND MECHANICALLY SOUND.

B. APPROVED EQUAL.

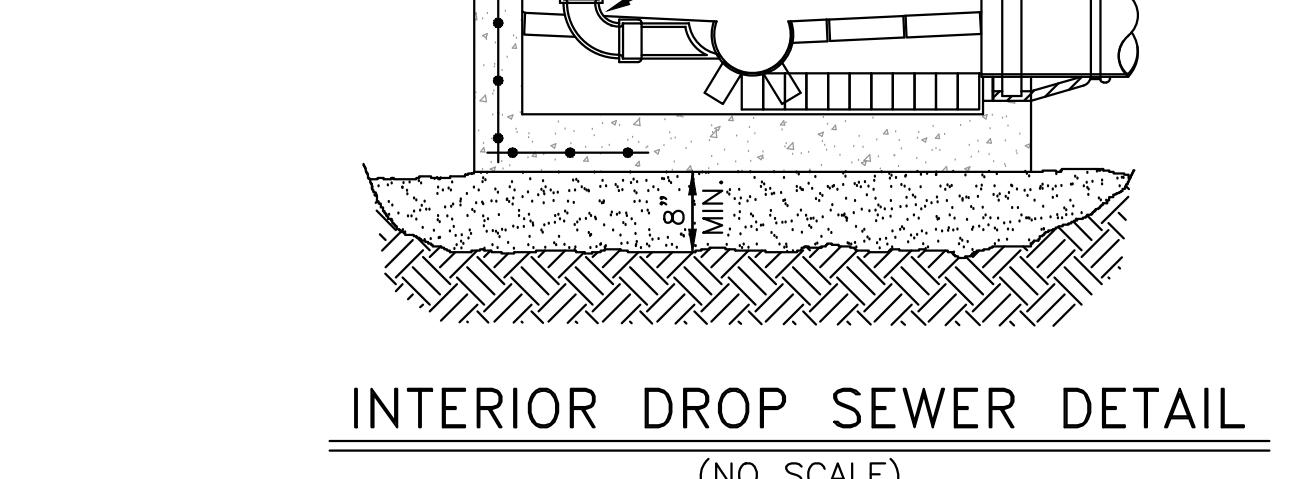
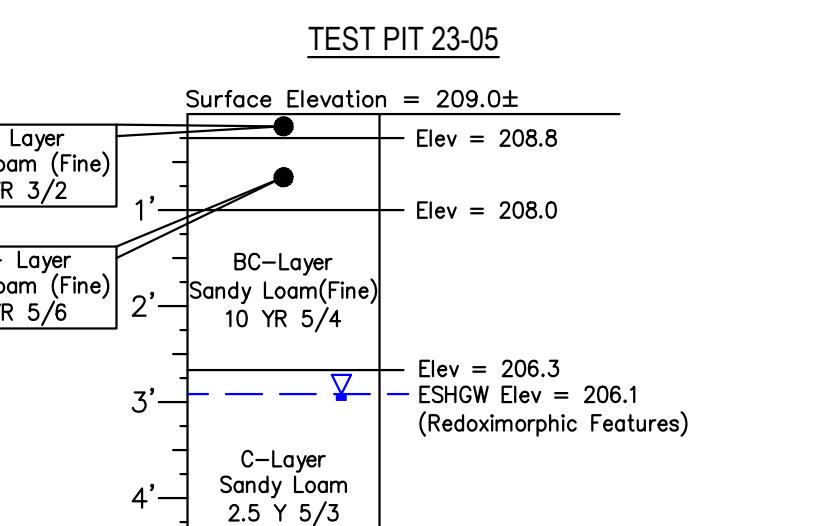
C. 4" PERFORATED SCH-40 PVC PIPE OR APPROVED EQUAL. PERFORATIONS TO BE EVENLY SPACED ALONG TWO ROWS, RUNNING THE LENGTH OF THE LINE, ON EACH SIDE MIDWAY BETWEEN THE INVERT AND CENTERLINE WHICH SEPARATES THE UPPER AND LOWER HALVES OF THE PIPE. PERFORATIONS SHALL BE BETWEEN 3/8" AND 5/8" IN DIAMETER. ALL SECTIONS OF PIPE TO USE TIGHT JOINT CONNECTIONS.



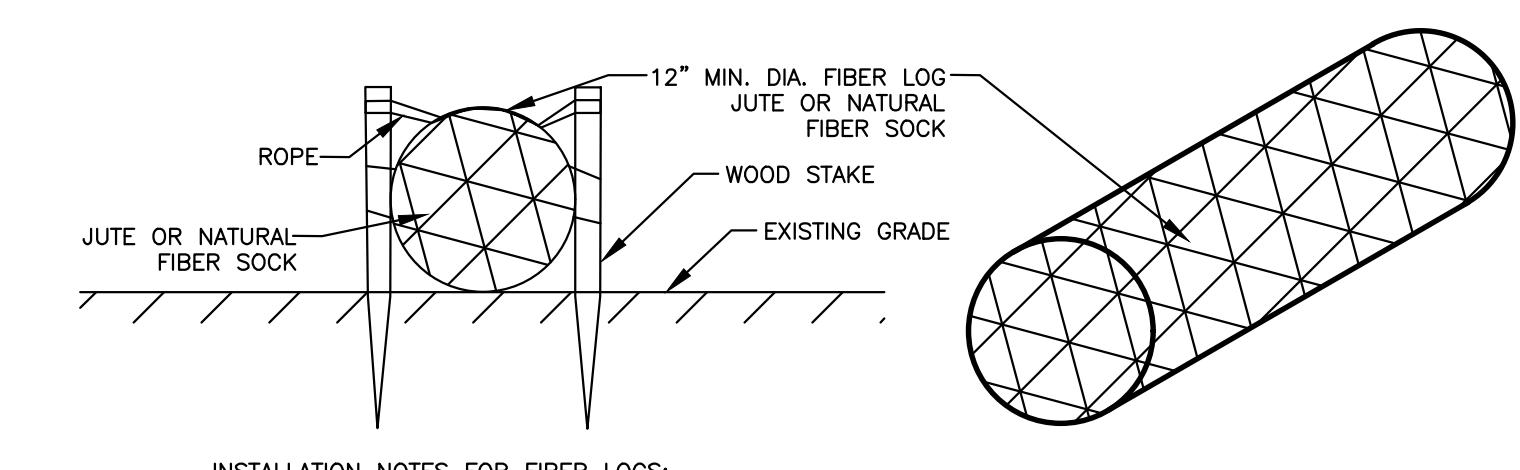
SOIL TEST DATA (UNWITNESSED)

DATE: DECEMBER 5, 2023
WITNESSED BY: PAUL SAULNIER
OF THE SHERBORN BOARD OF HEALTH
SOIL EVALUATOR: FREDERICK SCHOBEL, E.I.T.
SE 14561

SOIL TEST PIT WAS FOR STORMWATER MANAGEMENT PURPOSES.
SOIL LOG FOR INFORMATIONAL PURPOSES.

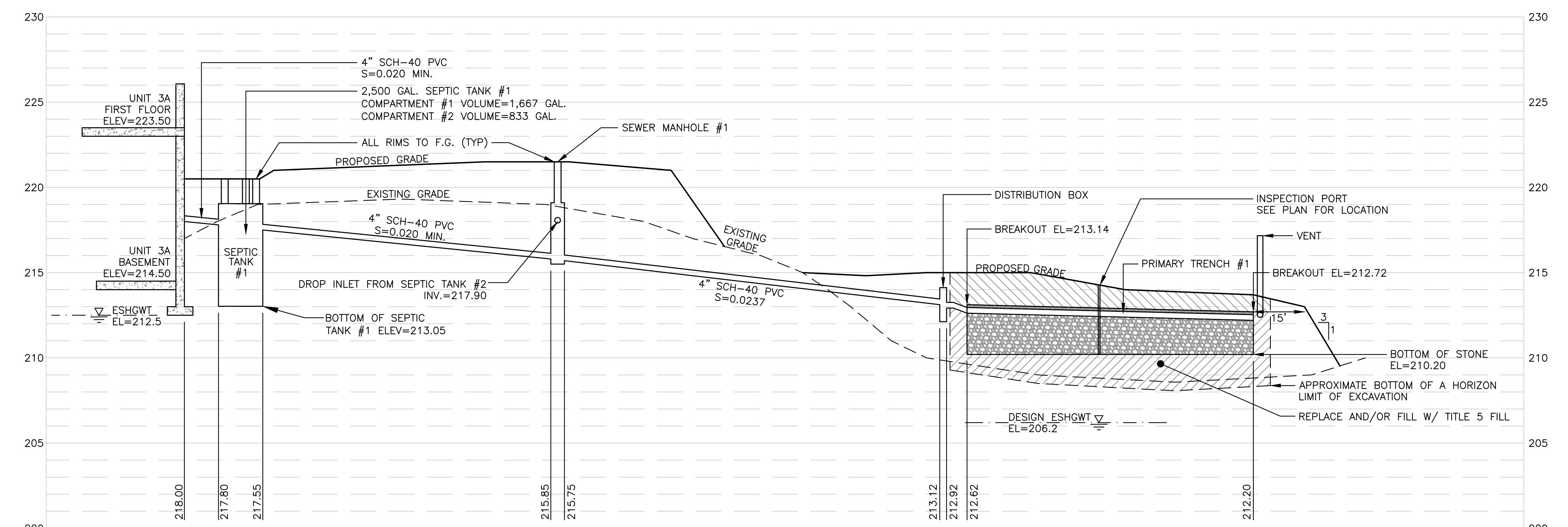


INTERIOR DROP SEWER DETAIL
(NO SCALE)



INSTALLATION NOTES FOR FIBER LOGS:
1. LAY THE FIBER LOG AT THE UPHILL BASE OF THE SILT FENCE.
2. INSTALL APPROXIMATELY 4-6 WOOD STAKES THROUGH THE TWINE/NETTING ALONG THE FIBER LOG AS NEEDED TO HOLD THE LOG IN PLACE.
3. DRIVE THE STAKE INTO THE GROUND DEEP ENOUGH TO HOLD THE LOG.
4. IN PAVED AREAS, SECURE FIBER LOG WITH CONCRETE BLOCKS OR SAND BAGS.
5. THE FILLING OF THE FIBER LOG MAY BE SHREDDED STRAW, COIR, COMPOST OR OTHER APPROVED MATERIAL.
6. FIBER LOG SHALL BE 12 INCHES (MIN) IN DIAMETER UNLESS OTHERWISE NOTED ON THE PLANS.

SEDIMENT BARRIER (FIBER LOG)
(NO SCALE)



SUBSURFACE SEWAGE DISPOSAL SYSTEM PROFILE

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 4'

