EXISTING CONDITION NOTES:

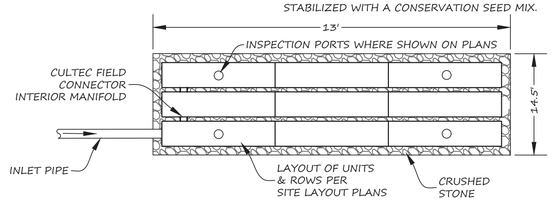
1. THE LOCATION OF EXISTING UTILITIES IS BASED ON AVAILABLE INFORMATION SUCH AS SURFACE FEATURES AND RECORD PLANS. THE SHOWN UTILITY LOCATIONS ARE APPROXIMATE, ARE NOT WARRANTED TO BE CORRECT, AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL CONTACT DIGSAFE PRIOR TO CONDUCTING ANY EXCAVATION ON THE SITE.
3. OFFSITE FEATURES SUCH AS BUILDING, PAVING LIMITS, UTILITIES, ETC... ARE APPROXIMATE ONLY AND BASED ON MASSGIS AERIAL PHOTOGRAPHS.
4. SURVEY BY CONTINENTAL LAND SURVEY, LLC.

EROSION CONTROL NOTES:

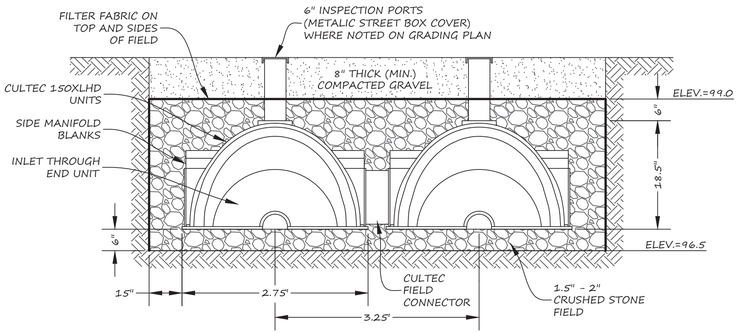
1. EROSION CONTROLS SHALL BE INSTALLED PRIOR TO ANY EXCAVATION. EROSION CONTROLS SHALL BE MAINTAINED IN GOOD CONDITION AT ALL TIMES. EROSION CONTROLS SHALL REMAIN UNTIL SUCH TIME AS THE ADJACENT DISTURBED AREAS ARE COMPLETELY STABILIZED AS APPROVED BY THE CONSERVATION COMMISSION.
2. ALL SOIL STOCKPILES SHALL BE PROTECTED WITH COMPOST SOCK PERIMETER CONTROLS AND SEEDING/STABILIZATION PROTOCOL.
3. ALL EXISTING CATCH BASINS NEAR THE SITE AND ALL PROPOSED CATCH BASINS ARE TO BE PROTECTED WITH A SILTSAC UNTIL ALL UPSTREAM AREAS ARE STABILIZED. CLEAN AS NEEDED THROUGHOUT CONSTRUCTION.
4. UPON COMPLETION OF CONSTRUCTION, BARE SOILS WITHIN THE PROJECT LIMITS SHALL BE STABILIZED WITH A CONSERVATION SEED MIX.

GRADING NOTES:

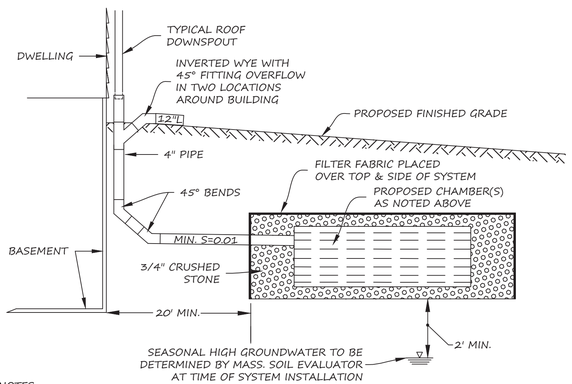
1. CUT/FILL CALCULATIONS:
   - 1.1. CUT: ~80 C.Y.
   - 1.2. FILL: ~1,280 C.Y.
   - 1.3. TOTAL FILL REQUIRED: ~1,200 C.Y.



FIELD PLAN VIEW



SECTION THROUGH TYPICAL LEACHING FIELD



NOTES:

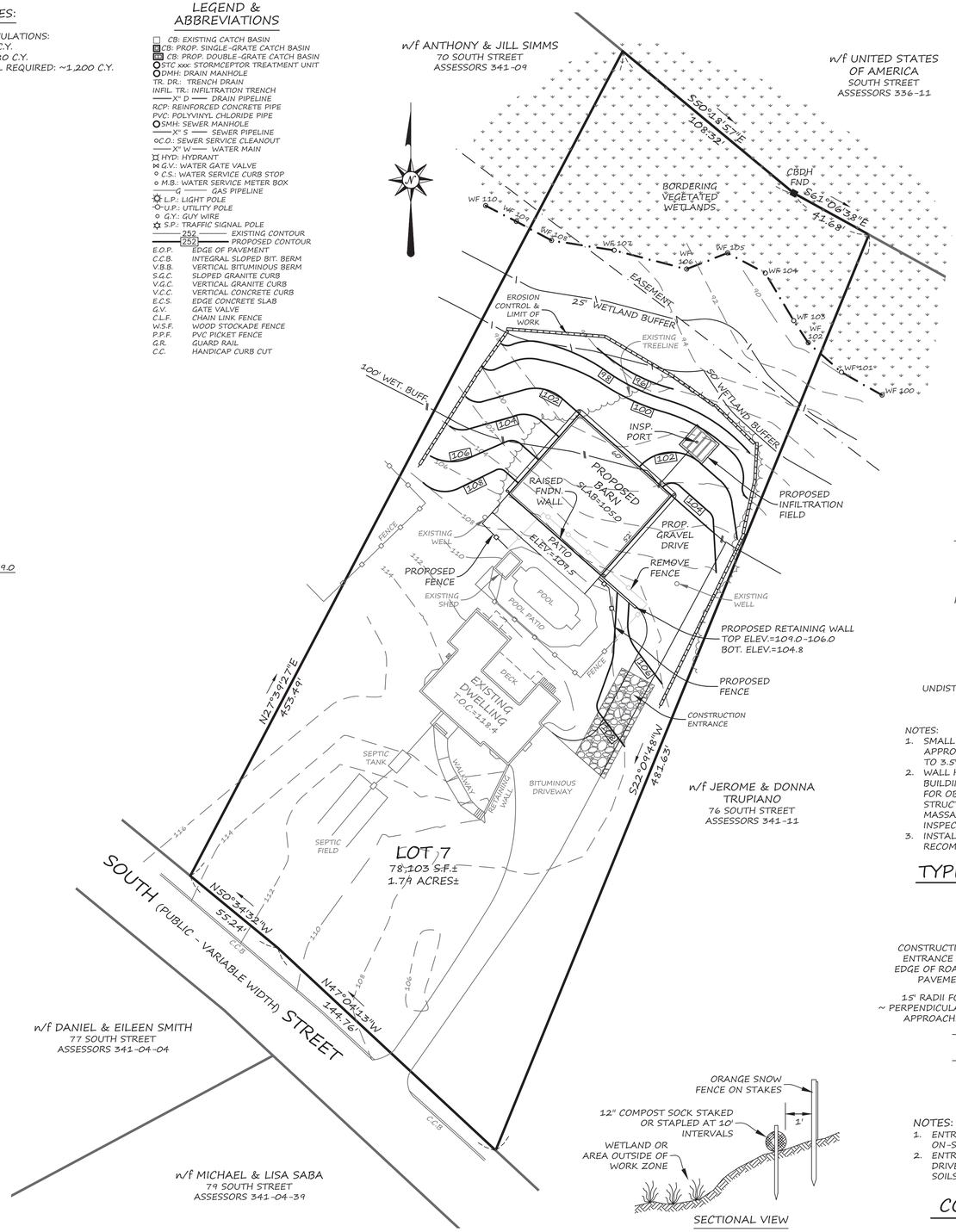
1. INFILTRATION TRENCH UNITS TO BE RECHARGER 150XLHD AS MANUFACTURED BY CULTEC, INC., 878 FEDERAL ROAD, BROOKFIELD, CT 06804, OR APPROVED EQUAL. APPROVED EQUALS MUST CONTAIN AT LEAST THE SAME TOTAL SYSTEM STORAGE VOLUME AND BOTTOM AREA.
2. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
3. TWO-TRENCH SYSTEM CROSS-SECTION SHOWN. MULTIPLE TRENCHES WOULD USE THE SAME EXTERIOR STONE THICKNESS AND INTERIOR CHAMBER SEPARATION VALUES.
4. INFILTRATION TRENCH UNITS SHALL BE ABLE TO WITHSTAND H-20 LOADINGS.
5. THIS ROOF RUNOFF LEACHING SYSTEM WAS DESIGNED TO CAPTURE 1-INCH OF RUNOFF FROM THE ENTIRE ROOF AREA OF THE PROPOSED BARN SHOWN ON THIS PLAN (APPROX. 3,120 S.F.). MIN. 260 C.F. STORAGE REQUIRED.
6. THE COMPLETED ROOF RUNOFF COLLECTION SYSTEM MUST COLLECT RUNOFF FROM THE ENTIRE ROOF AREA OF THE PROPOSED BARN. THE SYSTEM DESIGNED HAS A STORAGE CAPACITY OF 261 C.F.
7. PIPING FOR THE ROOF DOWNSPOUT COLLECTION SYSTEM MAY BE SCHEDULE 40 PVC OR HDPE.
8. USE OF "EQUIVALENT" SYSTEMS REQUIRE VOLUME CALCULATION VERIFICATION BY THE DESIGN ENGINEER.

ROOF RUNOFF INFILTRATION FIELD

NOT TO SCALE

LEGEND & ABBREVIATIONS

- CB: EXISTING CATCH BASIN
- CB: PROP. SINGLE-GRATE CATCH BASIN
- CB: PROP. DOUBLE-GRATE CATCH BASIN
- STC xxx: STORMCEPTOR TREATMENT UNIT
- DMH: DRAIN MANHOLE
- TR. DR.: TRENCH DRAIN
- INFIL. TR.: INFILTRATION TRENCH
- ——X"D—— DRAIN PIPELINE
- RCP: REINFORCED CONCRETE PIPE
- PVC: POLYVINYL CHLORIDE PIPE
- SMH: SEWER MANHOLE
- ——X"S—— SEWER PIPELINE
- O.C.O.: SEWER SERVICE CLEANOUT
- ——X"W—— WATER MAIN
- HYD: HYDRANT
- G.V.: WATER GATE VALVE
- C.S.: WATER SERVICE CURB STOP
- M.B.: WATER SERVICE METER BOX
- ——G—— GAS PIPELINE
- L.P.: LIGHT POLE
- U.P.: UTILITY POLE
- G.Y.: GUY WIRE
- S.P.: TRAFFIC SIGNAL POLE
- 252 EXISTING CONTOUR
- 252 PROPOSED CONTOUR
- E.O.P. EDGE OF PAVEMENT
- C.C.B. INTEGRAL SLOPED BIT. BERM
- V.B.B. VERTICAL BITUMINOUS BERM
- S.G.C. SLOPED GRANITE CURB
- V.G.C. VERTICAL GRANITE CURB
- V.C.C. VERTICAL CONCRETE CURB
- E.C.S. EDGE CONCRETE SLAB
- G.V. GATE VALVE
- C.L.F. CHAIN LINK FENCE
- W.S.F. WOOD STOCKADE FENCE
- P.P.F. PVC PICKET FENCE
- G.R. GUARD RAIL
- C.C. HANDICAP CURB CUT

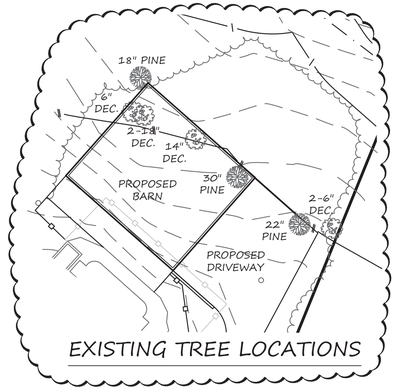


OWNER/APPLICANT
MATTHEW & SARAH MOORE
74 SOUTH STREET
FRANKLIN, MA 02038

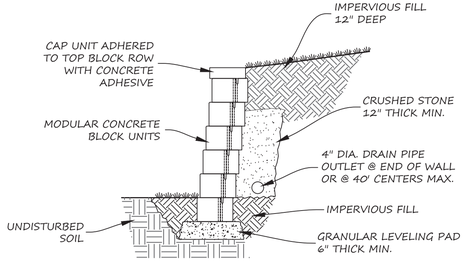
ZONING DISTRICT
RURAL RESIDENTIAL 1

ASSESSORS PARCEL
MAP 341 PARCEL 10

PLAN & DEED REFERENCE
DEED BK 40687 PG 223



EXISTING TREE LOCATIONS



NOTES:

1. SMALL BLOCK UNITS SHALL BE THE SQUARE FOOT PRODUCT BY VERSA-LOK OR APPROVED EQUAL. WALL HEIGHT WITHOUT REINFORCEMENT SHALL BE LIMITED TO 3.5' EXPOSED FACE.
2. WALL HEIGHTS OVER FOUR FEET, INCLUDING FOOTING, MAY REQUIRE A BUILDING PERMIT AND/OR STRUCTURAL DESIGN. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY NECESSARY BUILDING PERMITS AND FOR PROVIDING STRUCTURAL WALL DESIGN MEETING THE REQUIREMENTS OF THE MASSACHUSETTS BUILDING CODE, AS DEEMED APPLICABLE BY THE BUILDING INSPECTOR.
3. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.

TYPICAL "SMALL BLOCK" RETAINING WALL

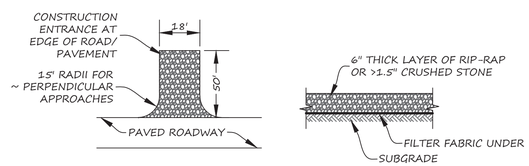
NOT TO SCALE

SECTIONAL VIEW

NOTE: NON-BIODEGRADABLE SOCK SHELL FILLED WITH COMPOST MEDIA. JOINTS SHALL BE OVERLAPPED BY AT LEAST TWO FEET. ORANGE SNOW FENCE IS ONLY NEEDED IF THERE IS EVIDENCE OF THE COMPOST SOCK BEING BURIED BY CONSTRUCTION ACTIVITIES.

EROSION CONTROL DETAIL (COMPOST SOCK)

NOT TO SCALE



PLAN VIEW SECTIONAL VIEW

NOTES:

1. ENTRANCE SHALL BE INSTALLED BEFORE ANY EXCAVATION WORK OCCURS ON-SITE.
2. ENTRANCE SHALL BE MAINTAINED IN GOOD CONTITION UNTIL A PAVED DRIVEWAY IS INSTALLED. REPLACE ENTRANCE IF FILLED WITH SOILS OR IF SOILS ARE BEING TRACKED ONTO ADJACENT ROADWAYS.

CONSTRUCTION ENTRANCE DETAIL

NOT TO SCALE

COMMONWEALTH OF MASSACHUSETTS
DANIEL J. MERRIKIN
CIVIL
No. 43309
REGISTERED PROFESSIONAL ENGINEER

Digitally signed by Daniel J. Merrikin, P.E.
Date: 2023.01.28 10:28:38 -05'00'

PLAN SCALE: 1"=30'

0' 30' 60' 120'

REVISION	DATE	BY
PLAN DATE: JANUARY 27, 2023		

74 SOUTH STREET PROPOSED PLAN OF LAND IN FRANKLIN, MA

730 MAIN STREET
SUITE 2C
MILLIS, MA 02054
508-376-8883(o)

C-1

LEGACY ENGINEERING