```
(SANITARY SYSTEM)
  1. NOTIFY TOWN HEALTH DEPARTMENT AND THE ENGINEER 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.NO PORTION OF THE SYSTEM WILL BE COVERED WITHOUT INSPECTION AND APPROVAL BY THE ENGINEER OR THE SANITARIAN.
2. PLACE SILT FENCE AS SHOWN ON THE DRAWING AND IN THE DETAIL.
   REMOVE ALL TREES, STUMPS AND DELETERIOUS MATERIAL FROM SYSTEM AREA
 4. STOCKPILE TOPSOIL FOR REUSE.
       A. DO NOT STOCKPILE TOPSOIL IN SANITARY SYSTEM AREA.
       B. DO NOT REMOVE SUBSOIL.
 5. ENGINEER/LAND SURVEYOR SHALL FIELD STAKE THE PROPOSED SYSTEM PRIOR TO INSTALLATION. ADDITIONAL A BENCH MARK SHOULD BE
                                                                                                                                                            Test Hole Data
    SET AT THE TIME OF STAKEOUT.
                                                                                                                                                  Performed by Doane Engineering
6. INSTALL SEPTIC SYSTEM AS SHOWN
       A. IF SOIL CONDITIONS OTHER THAN THOSE SHOWN IN THE SOIL LOGS ARE ENCOUNTERED DURING THE INSTALLATION OF THE
                                                                                                                                                   & Madison Health Department
           SANITARY SYSTEM, THE DESIGN ENGINEER OR THE SANITARIAN SHALL BE NOTIFIED AND THE WORK WILL BE HALTED PENDING
                                                                                                                                                              5/18/22
           REVIEW OF THOSE CONDITIONS. IF NECESSARY THE SANITARY SYSTEM SHALL BE REVISED.
                                                                                                                                                                                                                                                                                                                                                                        Min. 17" Dia.
       B. A MINIMUM OF 4 FEET MUST BE MAINTAINED BETWEEN THE BOTTOM OF THE SYSTEM AND LEDGE.A MINIMUM OF 1.5 FEET MUST
                                                                                                                                                                                                                                                                                                                                                                       Manhole
To Grade
                                                                                                                                                                                                                                                                                                  Min. 17" Dia. –
           BE MAINTAINED BETWEEN THE BOTTOM OF THE SYSTEM AND SEASONAL HIGH GROUNDWATER.
                                                                                                                                                                                                                                                                                                  Manhole
To Grade
For All Components
  7. DO NOT BACKFILL ANY PORTION OF THE SANITARY SYSTEM UNTIL INSPECTED BY THE SANITARIAN AND UNTIL A "RECORD" SURVEY HAS
                                                                                                                                                                                                                                                                                                                                                                       For All Components
                                                                                                                                           TP 22-1 (Lower Side)
                                                                                                                                                                                                                                                                                                                              (optional)
  8. REPLACE TOPSOIL, GRADE, SEED AND MULCH ALL DISTURBED AREAS.
 9. MAINTAIN SYNTHETIC FILTER BARRIER UNTIL ALL DISTURBED AREAS ARE STABILIZED.
                                                                                                                                           0 - 5" Topsoil (fill)
                                              SANITARY SYSTEM NOTES:
                                                                                                                                           5 - 19" Brown mixed fine sandy loam with gravel
 1. NO LARGE CAPACITY TUBS (> 100 GALLON CAPACITY) ARE PLANNED AND WILL NOT BE PERMITTED IN THE PROPOSED
                                                                                                                                           19 - 36" Gray fine/medium sand, some gravel,
   RESIDENCE
  2. NO WATER TREATMENT SYSTEM WASTE WATER SHOULD BE DISCHARGED TO THE SEPTIC SYSTEM.
                                                                                                                                                             and rocks (mottled, fill)
                                                                                                                                                                                                                                                                                                                                                                   CUTLET OUTLET
 3. NO GARBAGE GRINDER (DISPOSAL) IS PROPOSED
                                                                                                                                           36 - 38" Topsoil, organic
4. WATER SUPPLY SHALL BE BY INDIVIDUAL WELL
                                                                                                                                            38 - 64" Mixed sandy soil
 5. ALL SOLID PIPING AFTER THE SEPTIC TANK TO BE 4" PVC ASTM D 3034, SDR 35.
                                                                                                                                           64 - 90" Gray/brown fine/medium sand & gravel,
 6. FILTER FABRIC SHALL BE SELECTED FROM THE FOLLOWING TABLE:
                             APPROVED FILTER FABRICS FOR COVERING STONE AGGREGATE
                                                                                                                                           No ledge observed
                                                                                                                                                                                                                                                                                               2/3 Required
Capacity
                                                                                                                                                                                                                                                                                                                                                                             1/3 Required
                                                                                                                                           No groundwater observed
                             MANUFACTURE
                                                                     DESIGNATION NUMBER
                                                                                                                                                                                                                                                                                                                                                                             Capacity
                                                                                                                                           Mottling observed a 55"
                             AMERICAN ENGINEERING FABRICS
                                                                     AEF-480
                             BRADLEY INDUSTRIAL TEXTILE
                                                                     PHENOIX LIJOMA
                                                                                                                                           TP 22-1 (Upper Side)
                             CARTHAGE MILLS
                                                                     M35
                             DUPONT
                                                                                                                                           0 - 34" Mixed mottled fill
                             ENGINEERED SYNTHETIC PRODUCTS
                                                                      TNS R020
                                                                                                                                           34 - 37" Topsoil, organic
                                                                                                                                                                                                                                                                                                                                Length Not Greater Than
4 Times Width or Depth
                                                                     GF 150
                             GEO FABRICS
                                                                                                                                           37 - 55" Red/brown silty fine sandy loam, some
                             L&M SUPPLY COMPANY
                                                                     L&M 231
                             MIRAFI
                                                                     65304 (4' WIDE),
                                                                                                                                           gravel, damp
                                                                                                                                                                                                                                                                                        - EXISTING GRADE
                                                                                                                                            55 - 90" Gray/brown fine/medium sand & gravel,
                                                                     65303 (3' WIDE)
                                                                                                                                                                                                                                                                                                                              TYPICAL SEPTIC TANK
                             SKAPS INDUSTRIES
                                                                     SKAPS GT 120
                                                                                                                                                                                                                                                                                                                 (MAKE TANK H-20 LOADING COMPLIANT)
                                                                     SRW PRODUCTS DF1
                             SRW PRODUCTS
                                                                                                                                           Roots observed to 59"
                                                                     SRW PRODUCTS DF2
                             TERRA TEX
                                                                                                                                           No ledge observed
                                                                     S01.5, P01.5
                             TYPAR
                                                                     3151, 3201
                                                                                                                                           No groundwater observed
                             US FABRIC INC.
                                                                                                                                           Mottling observed in fill on top
7. NO DEVIATION FROM THIS PLAN WILL BE ALLOWED WITHOUT THE APPROVAL OF THE ENGINEER AND SANITARIAN.
8. SEPTIC TANK CONSTRUCTION JOINTS SHALL BE SEALED WITH ASPHALT CEMENT. ALL PIPE CONNECTIONS TO THE SEPTIC
                                                                                                                                           TP 22-2
   TANK AND DISTRIBUTION BOXES SHALL BE SEALED WITH A POLYETHYLENE GASKET ("POLY-LOK" OR APPROVED EQUAL)
 9. SEPTIC TANK AND BAFFLES SHALL CONFORM TO SECTION V.A.1 TECHNICAL STANDARDS OF THE STATE HEALTH
                                                                                                                                           0 - 6" Topsoil
                                                                                                                                           6 — 29" Light orange to red/brown fine sandy
 10. SPTIC TANK SHALL BE TWO COMPARTMENT TANK WITH HEAVY DUTY STEEL HANDLES FOR MANHOLE ACCESS COVERS
   AND GAS BAFFLES INSTALLED ON OUTLET PIPING. SEPTIC TANK TO BE EQUIPPED WITH AN APPROVED NON-BY-PASS
                                                                                                                                           loam, some silt
   EFFLUENT FILTER AT THE OUTLET. SEE TABLE BELOW:
                                                                                                                                           29 - 80" Gray, fine/medium sand & gravel, damp
                                                                                                                                           Note — Top 24" of uphill side is fill
                                 APPROVED SEPTIC TANK EFFLUENT FILTERS
                                                                                                                                           Roots observed to 67"
                                 MANUFACTURER
                                                                                                                                           No ledge observed
                                                                                                                                           No groundwater observed
                                 BEAR ONSITE
                                                             ML2-416, ML2-920, ML3-910
                                                                                                                                                                                                                                                                                          45 LF OF GST 6212
                                                                                                                                           No mottling observed
                                                             ML3-916, ML3-925, ML3-932
                                                                                                                                                                                                                                                                                          BOTTOM ELEV=86.5
                                                             Sanitee Series, ST 416, ST 418, ST 818
                                 BIO-MICROBICS
                                                                           ST 838, ST 1618, ST 1638
                                 BOWCO INDUSTRIES
                                                              STF-110, STF-110-7R
                                 GAG-SIMTECH
                                                              STF-110-6W, STF-110-8B
                                                                                                                                                           PERCOLATION TEST
                                 NORWECO
                                                              BIO-KINETIC BK2000
                                                                                                                                                     PERFORMED BY DOANE ENGINEERING
                                 ORENCO SYSTEMS
                                                              FT0444-36 FT0854-36
                                                             FT1254-36 FT1554-36
                                                                                                                                                             ON 6/28/22
                                                             FTJ0418
                                                                                                                                                                                                                                                                                          - RESTRICTIVE LAYER
                                 POLYLOK
                                                             PL-68, PL-122, PL-525, PL-625
                                                                                                                                                     PT 1
                                                             GF 10-8, GF 10-16
                                                                                                                                                                                                                                                                                            \pm 84.5'(PER\ TH\#22-1,\ 55''\ TO\ MOTTLING
                                 PREMIER TECH
                                                             EFT-080
                                                                                                                                                    D = 30" PRESOAK @ 7:30 AM
                                 RISSY PLASTICS
                                                             45 - CLIK N'STICK
                                 TUF-TITE
                                                             EF-4, EF-6
                                                                                                                                                                          CHANGE RATE
                                 ZABEL
                                                                                                                                                                         DEPTH (IN) (MIN/IN)
                                                              A1800
                                                                        A1801
                                                             A100-HIP A300-HIP
                                                                                                                                                     8: 30 2.0
                                                             A1800-HIP A1801-HIP
                                                              A600-12. A600-8
                                 ZOELLER/CLARUS
                                                                                                                                                     8: 50
                                                             WW1 (170-0078)
                                                                                                                                                                18.0
                                                                                                                                                     9: 00
9: 10
                                                                                                                                                               23.25
                                                             WW4 (5000-0007)
                                                                                                                                                                         5.25
                                                                                                                                                               26.0
                                                                                                                                                                         2.75
                                                                                                                                                                                       3.63
 11. STONE AGGREGATE MEANS BROKEN STONE, CRUSHED STONE, OR SCREENED GRAVEL MEETING DEPARTMENT OF
                                                                                                                                                               DRY
                                                                                                                                                                                       2.50
                                                                                                                                                     9:20
   TRANSPORTATION FORM 816 SPECIFICATION M.01.01 FOR NO. 4 OR NO. 6 STONE (AS SHOWN BELOW OR LATEST
                                                                                                                                                     9: 30
   SPECIFICATION). STONE AGGREGATE SHALL BE FREE OF SILT, DIRT OR DEBRIS AND SHALL SHOW A LOSS OF ABRASION OF
   NOT MORE THAN 50 PERCENT USING AASHTO METHOD T-96.
                                                                                                                                                     PERCOLATION RATE = 1-10.0 \text{ MIN/INCH}
                        NO. 4 STONE AGGREGATE
                                                        NO. 6 STONE AGGREGATE
                                                         (A.K.A. 3/4" STONE)
                         (A.K.A. 1 & "STONE)
            SIEVE SIZE
                            PERCENT PASSING (by weight)
                                                                 PERCENT PASSING (by weight)
            2 - INCH
                                                                     N/A
                                                                     N/A
100
            1.5 INCH
                                 90-100
            1 INCH
                                 20 - 55
            3/4 INCH
                                0-15
                                                                     90-100
            1/2 INCH
                                 N/A
                                                                     20 - 55
                                                                     0-15
            3/8 INCH
                                0 - 5
                                                                                                                                                                                                                                                            SECTION A-A
                                                                     0 - 5
                                 N/A
                                                                     0 - 3
                                                                                                                                                                                                                                                SANITARY SYSTEM X-SECTION
                                                                                                                                                                                                                                                        HORZ. SCALE: 1" = 20'
                                                                                                                                                                                                                                                         VERT. SCALE: 1" = 2'
 12. ALL TANKS REQUIRING RISERS SHALL MAINTAIN THE ORIGINAL COVERS ON THE TANKS, HAVE RISER COVERS THAT WEIGHS AT LEAST 59
                                                                                                                                                                                     12" (GST6212)
   LBS. AND/OR INSTALL A SAFETY DEVICE BELOW THE RISER TO PREVENT INDIVIDUALS FROM FALLING INTO THE TANK. ALL BELOW GRADE
   TANK OR RISER COVER HANDLES SHALL CONTAIN OR BE FITTED WITH A MATERIAL THAT CAN BE LOCATED WITH A METAL DETECTOR.
                                                                                                                                                                                                                                                                                              Finished Grade shall be pitched to
sheet flow stormwater away from
system
                                                                                                                                                                                                                                   ←CT DOT #6
                                                                                                                                                                                                                                                                                                                    V V V V
                                                                                                                                                                                                                                                                                               Cover material depth shall be >6" and shall be uniform over system
                                                                                                                                                                                                                                    stone
                                                                                                                                                         っ。Distribution
                                                                                                                                                                                                                                    ASTM C-33
                                                                                                                                                                                                                                       Sand
                                                                                                                                                                                                                                   (or approved equivilent)
                                                                                                                                                                                                                                                                      *H=12" (GST6212) *P= 2" - 5.5"
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*3" min. I.D., ASTM D-3034, SDR 35 pipe for gravity applications

Plan View

N.T.S

GEOMATRIX GST LEACHING SYSTEM

0.75" min. I.D., ASTM D-2665, SCH 40 PVC pipe for pressure

applications

GEOMATRIX GST "LEACHING SYSTEM

B-B' CROSS SECTION N.T.S

CONSTRUCTION SEQUENCE

1. Set posts and excavate a 6"x6" wire mesh fencing to downslope. Fencing 7 3. Attach filter fabric ᡢ 4. Backfill the to the wire fencing trench and compact the excavated soil. and extend it to the trench. Filter Fabric Compacted Backfill **ELEVATION** SILT FENCE Points "A" should be higher than point "B" NOT TO SCALE Scource: U.S. Department of Agriculture, Soil Conservation Service, Storrs, Connecticut. 15.5" SECTION DISTRIBUTION BOX N.T.S. TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON. ROBERT L. DOANE, JR. CONN. P.E. & L.S. LIC. NO. 11463 MAP #86 LOT #4 DOANE ENGINEERING CIVIL ENGINEERING AND LAND SURVEYING P.O. BOX 113 CENTERBROOK, CONNECTICUT 06409 TEL: (860)767-0138, FAX: (860)767-9104 DETAIL SHEET PREPARED FOR CAROLEE CANNATA 12 RACHEL LANE , IVORYTON , CONNECTICUT

IDENT. NO.:

SHEET NO.:

2 OF 2

SCALE:

DATE:

FILE: R: \DRAWINGS\TOWNS\ESSEX\VORYTON\RACHAEL LANE\Galluzzi-Joseph\GALLUZZI-SITE-PLAN-7-29-22.dwg

07/21/22

GENERAL REVISIONS