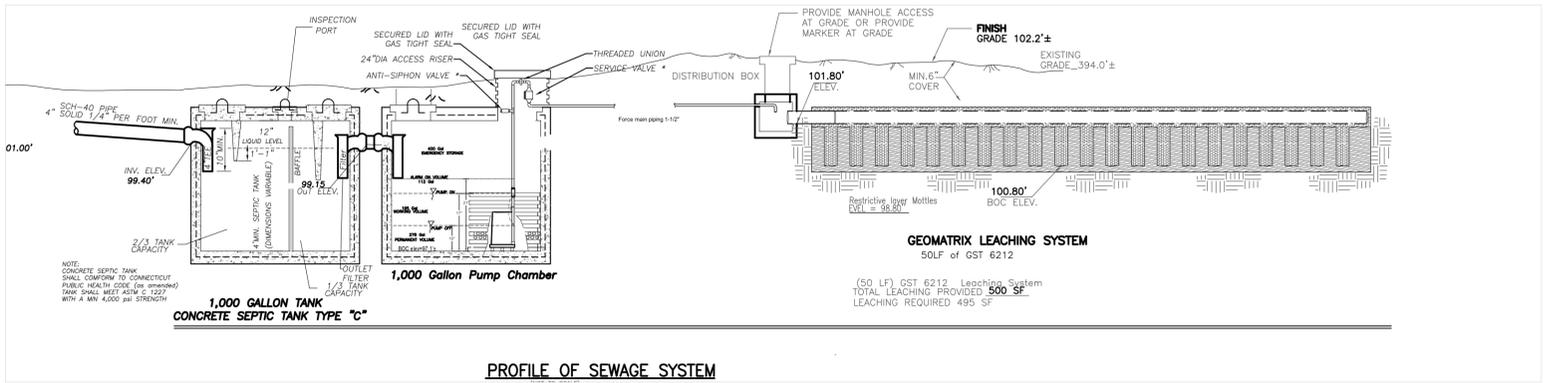


LOCUS MAP



Underground Sanitary Disposal System Design Notes:

A. Three bedroom residential home 495sf area required
B. 1,250 gal concrete septic tank
C. Design Perc rate 1.0 min/in
D. Test Pit data used in design #5, #7, #8, & #11
E. Design Slope 7.2% slope
F. MLSS
HF=24 Restrictive layer 42" (mottles)
FF=1.5 (3 Bdr house)
PF=1.0 for Perc rate <5.0 min/in
MLSS= HF x FF x PF 24 X 1.5 x 1.0 = 36 ft
MLSS provided 50ft
G. Effective Leaching field for 3 Bdr = 495 SF
495/10.0 = 49.5LF
H. GEOMATRIX GST-6212 @10.0 SF / LF

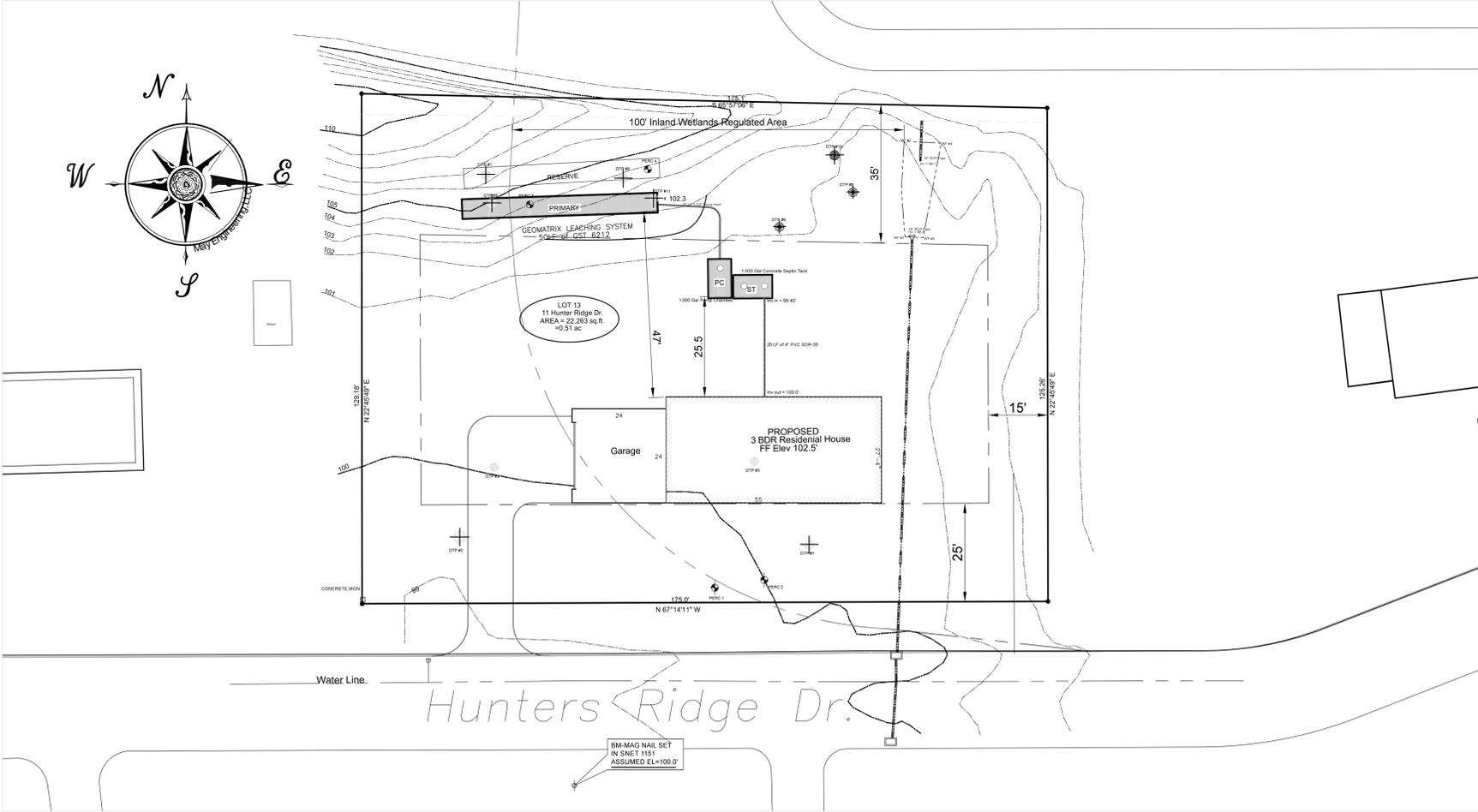
Design and Construction Notes:

THIS PLAN WAS DEVELOPED USING STANDARD DESIGN PRACTICES BASED ON THE PERTINENT PROCEDURES AND RECOMMENDATIONS OF THE FOLLOWING ORGANIZATIONS AND CODES: AMERICAN SOCIETY OF CIVIL ENGINEERS ASCE 7-10, INTERNATIONAL BUILDING CODE (IBC) 2015, WOOD FRAME CONSTRUCTION MANUAL 2001 (WFCM), 2016 CONNECTICUT SUPPLEMENT TO THE BUILDING CODE, AMERICAN CONCRETE INSTITUTE, ACI 318-02, ACI 302.1R, AMERICAN SOCIETY OF TESTING AND MATERIALS ASTM C-150, C-33, A-615.

1. This plan references Property Topographic Survey Prepared for Greg Young Tax Map 162 Lot 13, 11 Hunters Ridge Drive Westbrook, CT. Date: April 20, 2019 rev 12/02/2019 Scale 1" = 10'

2. Force main piping to use 1-1/2" diameter PE ASTM D 2239 PE ASTM D 2737 piping or equal.

<p>Test pits recorded by Shirley Mickens, RS. 8-22-2019 Town of Westbrook</p> <p>Test Pit 3 0-8" Top Soil 8"-16" Orange Brown Med Sand & ravel 16"-23" Original Top Soil Layer Dark Sandy Loam with Mottles 23"-44" Brown Sandy Loam with silts and mottles 44"-74" grey fine sand with mottles Mottling @ 22" No Water No Ledge</p> <p>Test Pit 4 0-7" Top Soil 7"-8" Orange brown med sand and gravel 8"-9" Original Top soil 9"-21" Bands of yellow and tan fine sand 21"-77" Bands of tan and grey fine sand Mottling @ 26" No Water No Ledge</p> <p>Perculation Test #2 3.51 2.0" 3.52 4.5" 3.53 6.25" 3.54 7.5" 3.55 8.75" 3.56 9.88" 3.57 10.88" 3.58 11.63" 3.59 12.38" 4.00 dry</p> <p>Perc rate 1.33 min / inch</p>	<p>Test pits recorded by Shirley Mickens, RS, Timothy May, PE 11-13-2019 Town of Westbrook</p> <p>Test Pit 5 0-9" Top Soil 9"-12" Orange Brown course sand & gravel 12"-69" Bands of tan and grey fine sand 69"-74" grey fine sand</p> <p>No Mottles No Water No Ledge</p> <p>Test Pit 6 0-8" Top Soil 8"-18" Med Tan yellow med sand 18"-32" Layers of tan & yellow fine sand 32"-35" Bands of rust colored med sand 35"-74" Tan to grey med sand Mottling @ 32" No Water No Ledge</p> <p>Perculation Test #3 Depth of hole 24" 12:54 12.0" 12:55 17.13" 12:56 19.5" 12:57 20.5" 12:58 dry Perc rate 1.0 min / inch</p> <p>Perculation Test #4 Depth of hole 24" 1:02 13.88" 1:03 15.25" 1:04 16.25" 1:05 17.13" 1:06 18.13" 1:07 19.13" 1:08 19.88" 1:09 20.5" 1:10 dry Perc rate 2.0 min / inch</p>	<p>Test Pit 7 0-8" Top Soil 8"-57" Med to fine stratified orange and tan sand 57"-85" very moist very fine grey sand Mottles @ 57" No Water No Ledge</p> <p>Test Pit 8 0-9" Top Soil 9"-49" Med to fine stratified orange and tan sand 49"-81" very fine grey sand Mottling @ 51" No Water No Ledge</p> <p>Test Pit 9 0-24" fill 24"-45" fine grey sand with mottles Mottling @ 24" No Water No Ledge</p> <p>Test Pit 10 0-6" Top Soil 6"-36" Brown sandy loam 36"-68" dark brown silty muck Mottling @ 36" No Water No Ledge</p> <p>Test Pit 11 0-8" Top Soil 8"-16" Med orange brown sandy loam 16"-82" Med to fine stratified orange and tan sand Water @ 60" No Ledge</p>
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- CONSTRUCTION**
- REPRODUCTION OF THESE DRAWINGS FOR RESUBMITTAL AS SHOP DRAWINGS WILL NOT BE PERMITTED, AND BUILDING DEPT SHOULD REJECTED AND RETURNED.
 - CONSTRUCTION DRAWINGS SHALL BEAR THE INSTALLATION CONTRACTOR'S STAMP OF APPROVAL, WHICH SHALL CONSTITUTE CERTIFICATION THAT THE CONTRACTOR HAS VERIFIED ALL FIELD MEASUREMENTS, CONSTRUCTION CRITERIA, MATERIALS, AND SPECIFICATIONS, THE MOST RIGID REQUIREMENT DRAWING FOR COMPLETENESS, COORDINATION AND COMPLIANCE WITH THE CONTRACT.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALLOWABLE CONSTRUCTION LOADS AND TO PROVIDE PROPERLY DESIGNED FORMWORK, STAGINGS, BRACING, SHEETING, SHORING, ETC.
 - IMPLEMENTING JOB SAFETY, CONSTRUCTION PROCEDURES, AND TEMPORARY SHORING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
 - IN THE EVENT OF A CONFLICT BETWEEN GENERAL NOTES, DETAILS, AND SPECIFICATIONS, THE MOST RIGID REQUIREMENT SHALL APPLY.
 - NO SUBSTITUTION SHALL BE MADE WITHOUT WRITING CONSENT OF THE ENGINEER OF RECORD.

Project Address:
11 Hunters Ridge
Old Saybrook, CT 06475

May Engineering LLC
Civil Engineering and Site Planning
1297 RT 163 Oakdale, CT 06370
860 884-9671

Applicant:
Greg Young-Signature Real Estate, LLC
8 Brenda Lane
Old Saybrook, CT 06475

DESCRIPTION: Plan of development
HUNTERS RIDGE DR LOT 13 Westbrook CT

SITE DEVELOPMENT PLAN

SCALE: 1" = 20'

DATE: 19 May 2020

JOB NUMBER SHEET

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