



**Office Use Only**  
Project# .....  
Address: .....  
MBL: .....

## Minimum Requirements for Submission of Application to Inland Wetlands and Watercourses Agency

*This form must be submitted with your application*

Please check all that are being submitted:

- Completed Application Form (4 Pages)
  - Fee Paid
  - Site Plan (Showing project location, extent of wetlands, dimensions, etc) – PDF & 4 Copies of 11 x 17s
  - PDF & 4 Copies Project Narrative – PDF & 4 Copies of 11 x 17s
  - Soils Report (As Required)
  - Stormwater Report (As Required)
  - Completed Application Checklist (Page 3 of Application)
  - Schedule a Site Visit with Planning & Zoning Official at time of Application
- Date of Site Visit: \_\_\_\_\_

*I certify that this application is complete:*

Signature of Applicant:         *Matt Pagano*         , Date: 7/7/2023

The Agency reserves the right to add additional requirements in accordance with the Regulations.

***Only Complete Application Packages Will Be Accepted***

Office Use Only

Fee Paid \_\_\_\_\_ Date Approved \_\_\_\_\_ Permit Number \_\_\_\_\_

Public Hearing: YES NO Agent Approval: YES NO

TOWN OF EAST HAMPTON
INLAND WETLANDS & WATERCOURSES AGENCY

Date: \_\_\_\_\_

1. Name of Applicant\* Matthew Pegolo, AIA, NCARB Email: matt@pegarch.com

Phone Numbers: Home \_\_\_\_\_, Business 860-740-5123, Cell \_\_\_\_\_

Home Address: Street \_\_\_\_\_ Town \_\_\_\_\_ State/Zip \_\_\_\_\_

Business Address: Street 236 Main Street Town Portland State/Zip CT, 06480

\* All applications MUST list contact phone numbers. If the applicant is a Limited Liability Corporation or a Corporation, provide the managing member's or responsible corporate officer's name, address, and telephone number.

2. Name of Property Owner (if different from Applicant): D. Sirois Phone 1-603-730-7437

Address: Street 388 May Road Town East Hartford State/Zip CT, 06118

As the legal owner of the property listed on this application I hereby consent to the proposed activities. I hereby authorize the members and agents of the Agency to inspect the subject land, at reasonable times, during the pendency of the application and for the life of the permit.

Printed Name: Matthew Pegolo Signature: [Signature] Date: 7/7/2023

3. Provide the applicant's interest in the land. Architect for Owner

4. Site Location and Description: Assessor's Map 6, Block 6, Lot 3B

Address: Street 292 West High Street Town East Hampton State/Zip CT, 06424

Note: It is the applicant's responsibility to provide the correct site address, map, block, and lot number for the legal notice. Provide a description of the land in sufficient detail to allow identification of the inland wetlands and watercourses, the area(s) (in acres or square feet) of wetlands or watercourses to be disturbed, soil type(s), and wetland vegetation.

Area of Wetland to be disturbed: 0 acres or sq. ft.
Area of Watercourse to be disturbed: 0 acres or sq. ft.
Area of Upland Review Area to be disturbed: 720 SF acres or sq. ft. (Area within 100' of wetland)
TOTAL AREA OF DISTURBANCE 720 SF acres or sq. ft.

Will fill be needed on site? Yes No If yes, how much fill is needed? 500 CY+ cubic yards

The property contains (circle one or more)

[WETLANDS] [BROOK] RIVER, INTERMITTANT STREAM, VERNAL POOL, SWAMP, OTHER

Description of soil types on site: See narrative

Description of wetland vegetation: \_

Name of Soil Scientist and date of survey: Casey Mrachek, July 2010.

5. Attach a written narrative of the purpose and description of the proposed activity and proposed erosion and sedimentation controls, best management practices, and mitigation measures which may be considered as a condition of issuing a permit for the proposed regulated activity including but not limited to; measures to:

(1) prevent or minimize pollution or other environmental damage, (2) maintain or enhance existing environmental quality, or (3) in the following order of priority: restore, enhance or create productive wetland or watercourse resources. Depending on the complexity of the project, include the following: sequence of operations, drainage computations with pre and post construction runoff quantities and runoff rates, plans clearly showing the drainage areas corresponding to the drainage computations, existing wetland inventory and functional assessment, soils report, construction plans signed by a certified soils scientist, licensed surveyor, and licensed professional engineer. Include a construction schedule, impacts to vegetation, and pictures that clearly show the existing conditions of all areas to be disturbed and/or cleared of vegetation.

6. Provide information of all alternatives considered. List all alternatives which would cause less or no environmental impact to wetlands or watercourses and state why the alternative as set forth in the application was chosen. All such alternatives shall be diagramed on a site plan or drawing.



## CHECKLIST FOR A COMPLETE APPLICATION

- A narrative of the purpose and description and methodology of all proposed activities;
  - Alternatives considered by the applicant, reasons for leaving less than a 10' buffer between clearing and the wetlands. Such alternatives to be diagrammed on a site plan or drawing and submitted to the commission as part of the application;
  - Names and mailing addresses of abutting property owners;
  - Three copies of approximately 1"=40' scale plans
  - Locations of existing and proposed land uses
  - Locations of existing and proposed buildings
  - Locations of existing and proposed subsurface sewage disposal systems, and test hole descriptions
  - Existing and proposed topographical and man-made features including roads and driveways, on and adjacent to the site. Include a colored grading plan showing areas to be filled (green) and areas to be excavated (brown) that clearly shows existing and proposed contours and proposed limits of disturbance.
  - Location and diagrams of proposed erosion control structures
  - Pictures of existing conditions clearly showing all areas to be disturbed, and/or cleared of vegetation.
  - Assessor map, block and lot number
  - Key or inset map
  - North arrow
  - Flood zone classification and delineation
  - Use of wetland and watercourse markers where appropriate.
  - Soil types classification and boundary delineation (flagged and numbered boundary), Soil Scientist's original signature and certification on plans
  - A Soil Scientist's (or other wetland scientist) report on the function of the wetlands
  - Watercourse channel location and flow direction, where appropriate
  - 100 ft. regulated area depicted on plans
  - Conservation easements where appropriate
  - A detailed erosion and sediment control plan which meets requirements set forth in the most recent revision of the *Connecticut Guidelines for Soil Erosion and Sediment Control*, published by the Connecticut Council on Soil and Water Conservation, including:
    - Location of areas to be stripped of vegetation and other unprotected areas
    - Schedule of operations including starting and completion dates for major development phases
    - Seeding, sodding, or re-vegetation plans for all unprotected or un-vegetated areas
    - Location and design of structural sediment control measures
    - Timing of planned sediment control measures
  - A Use of wetland and watercourse markers
    - Proper certification on the application documents and plans
- In the case of filling in wetlands, watercourses, or regulated upland areas, the following items are necessary:
- Area to be filled
  - Volume of requested fill
  - Finished slopes of filled areas
  - Containment and stabilization measures
  - Proposed finished contours
- A Evaluation of the effect of filling the wetlands with respect to storage volume and its impact downstream showing before and after development flows, and the evaluation of storm water detention including the existing need for flood control downstream

### Other required items:

- A Proof of adjoining Town notification, where required;
- All application fees required by Section 19 of these regulations;
- A written narrative detailing how the effects of the applicant's proposed activities upon wetlands and watercourses shall be mitigated.
- A written description of any and all future plans which may be linked to the activities proposed in the current application.
- A Address the potential to enhance the current buffer area.
  - Review drainage information with Town Engineering
  - Mailing requirements for abutters (public hearing only)

# PEGARCH

ARCHITECTURE & DESIGN SERVICES

## Affidavit

To: Town of East Hampton, PZ, IWWA, Health and Building Departments

Re: 292 West High Street, East Hampton CT

Date: 7/7/2023

To whom it may concern;

I, D Sirois, give Matthew Pegolo, duly authorized representative from PegArch Architecture, the authority to sign and submit applications for IWWA, PZ, building and health departments on my behalf as it relates to the new construction of a single family residence at 292 West High Street, East Hampton.

Furthermore, as the legal owner of the property listed on this affidavit, I hereby consent to the proposed activities. I hereby authorize the members and agents of the appropriate agencies to inspect the subject land, at reasonable times, during the pendency of the application and for the life of the permit.

Signed,

D. Sirois

Signature: 

Date: 7-7-23

PegArch Architecture  
860.740.5123

236 Main St Portland CT 06480  
Portland, CT

Wetlands Narrative  
292 West High Street  
East Hampton, CT

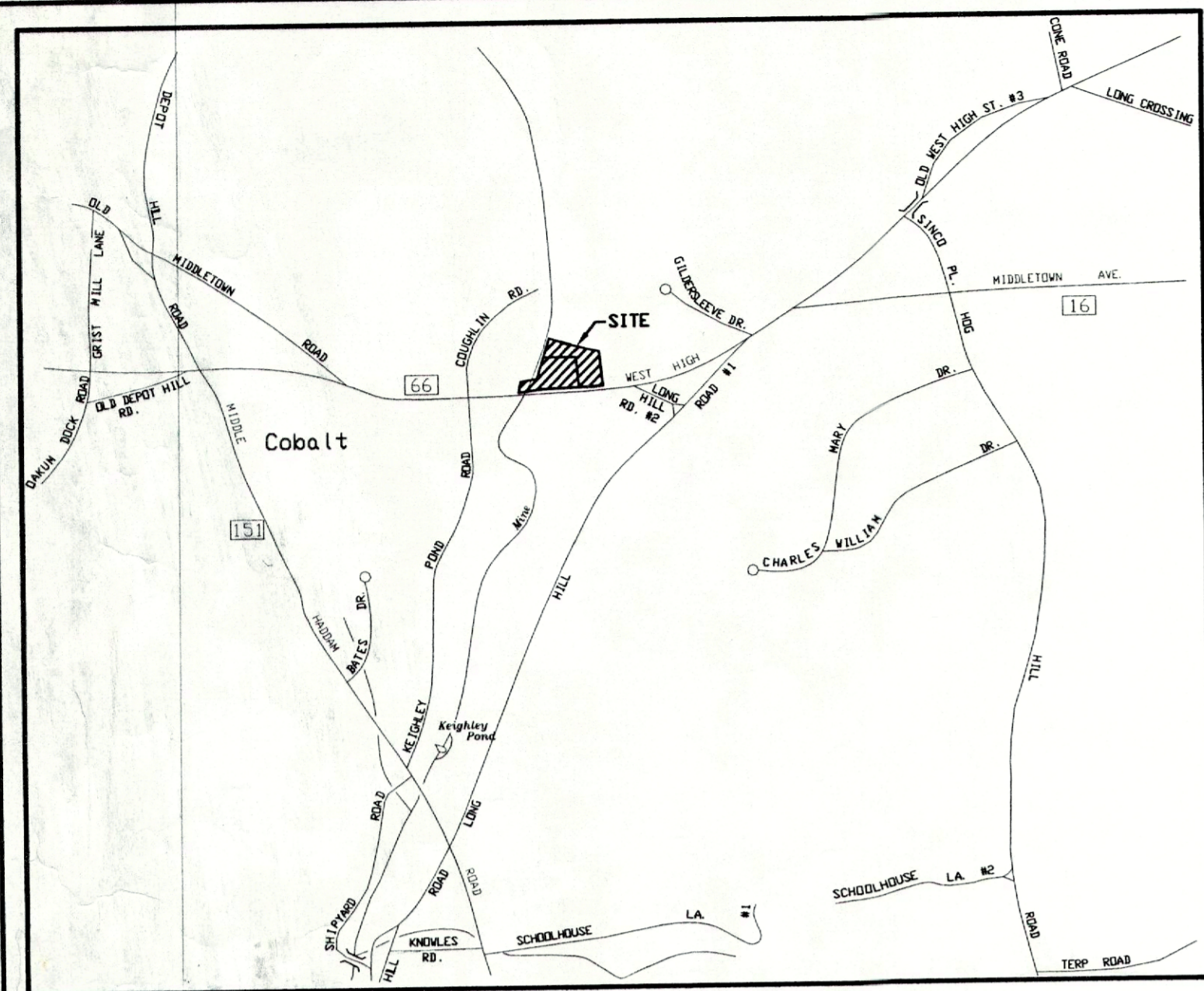
The purpose of the application is to allow for the construction of a single-family home with associated driveway, on-site septic system, solar array and other related improvements. In 2010, a subdivision (Simoni Subdivision) was approved for the subject site dividing the site into 2 lots. As part of the proposed development, both lots will be combined into a single lot and developed. Due to the placement of the proposed house and amenities, further subdivision of the property will not be possible.

The site is mostly wooded with some open areas within the middle of the site. The area along the watercourse are generally wooded.

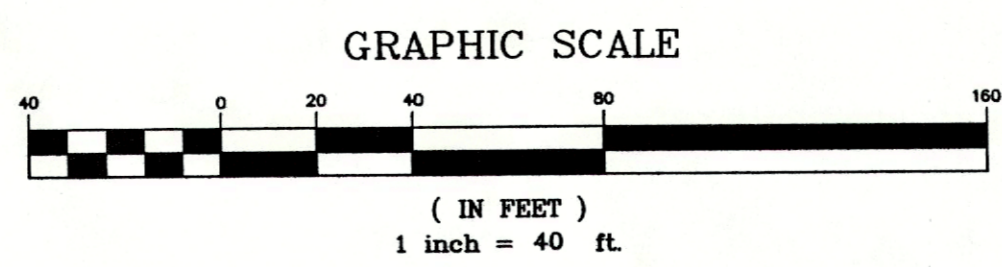
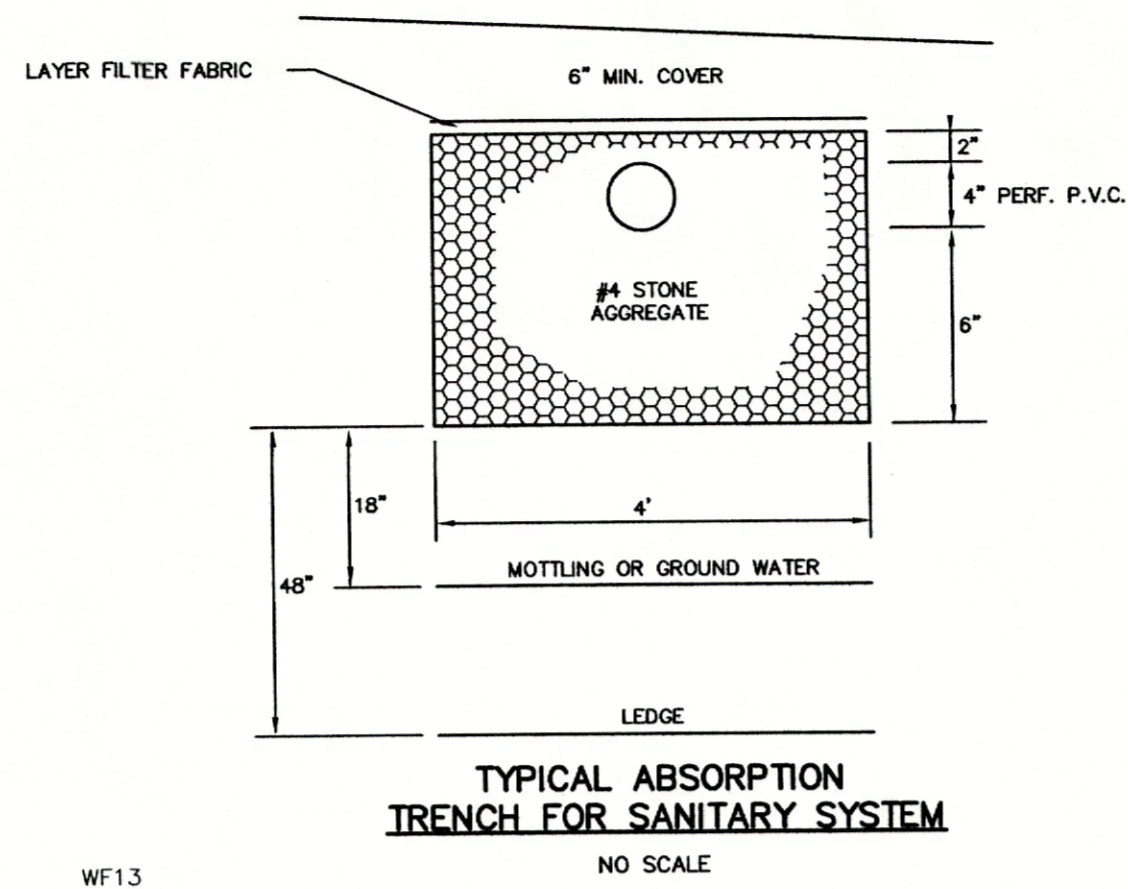
The location of the wetlands were taken from a previous subdivision plan for the property entitled "Topographic Map, Simoni Subdivision" and per this map were field identified by Casey Mrachek, soil scientist. A reduced copy of the plan is attached for reference. The upland areas on site generally contain Canton and Charlton fine sandy loams and the wetland associated with the watercourse containing Fluvaquents-Udifuvents complex, frequently flooded.

Standard erosion control measures will be implemented on site during construction consisting of silt fence down-slope of disturbed areas, a construction entrance pad, silt fence around stockpiled materials, etc. These measures will be installed and maintained by the site contractor.

The proposed impact within the upland review area is minimal and consists of approximately 720 SF of impact due to filling for the construction of the driveway. The area of impact extends approximately 10' within the 100' upland review limit and is therefore 90' from the edge of the wetlands. With the proposed erosion control measures to be in place during construction, no impact to wetlands is anticipated due to the development of the site.



**LOCATION MAP**  
SCALE: 1"=1000'



LOT 1		LOT 2	
TEST PIT # 1	5-27-10	TEST PIT # 5	5-27-10
DATE: 5-27-10		DATE: 5-27-10	
DEPTH: 76"		DEPTH: 78"	
GROUNDWATER: NONE		GROUNDWATER: NONE	
MOTTLING: 49"		MOTTLING: 43"	
LEDGE: NONE		LEDGE: NONE	
ROOTS: 49"		ROOTS: MOST 38", SOME 54"	
RESTRICTIVE: 49"		RESTRICTIVE: 43"	
MATERIALS: 0-12" TOPSOIL		MATERIALS: 0-3" LEAF LITTER	
12-20" ORANGE BROWN FINE SANDY LOAM (LOOSE)		3-13" TOPSOIL	
20-49" BROWN COARSE SAND & GRAVEL W/ ROCKS (LOOSE)		13-28" ORANGE BROWN LOAMY SAND (LOOSE)	
49-76" GREYISH SANDY TILL		28-78" GREYISH SANDY TILL	
TEST PIT # 2	5-27-10	TEST PIT # 6	5-27-10
DATE: 5-27-10		DATE: 5-27-10	
DEPTH: 63"		DEPTH: 77"	
GROUNDWATER: NONE		GROUNDWATER: NONE	
MOTTLING: 36"		MOTTLING: 39"	
LEDGE: NONE		LEDGE: NONE	
ROOTS: 36"		ROOTS: 36"	
RESTRICTIVE: 35"		RESTRICTIVE: 39"	
MATERIALS: 0-9" TOPSOIL		MATERIALS: 0-9" TOPSOIL AND LEAF LITTER	
9-24" ORANGE BROWN LOAMY SAND (LOOSE)		9-26" ORANGE BROWN FINE SANDY LOAM (LOOSE)	
24-35" BROWN COARSE SAND & GRAVEL (LOOSE)		28-35" TAN FINE SAND	
35-63" GREYISH SANDY TILL		35-77" GREYISH SANDY TILL	
TEST PIT # 3	5-27-10	TEST PIT # 7	5-27-10
DATE: 5-27-10		DATE: 5-27-10	
DEPTH: 70"		DEPTH: 75"	
GROUNDWATER: NONE		GROUNDWATER: NONE	
MOTTLING: NONE SEEN		MOTTLING: 30"	
LEDGE: NONE		LEDGE: NONE	
ROOTS: 29"		ROOTS: 30"	
RESTRICTIVE: 34"		RESTRICTIVE: 30"	
MATERIALS: 0-8" TOPSOIL AND LEAF LITTER		MATERIALS: 0-10" TOPSOIL AND LEAF LITTER	
8-20" ORANGE BROWN LOAMY FINE SAND, ROCKS IN LAYER (LOOSE)		10-25" ORANGE BROWN FINE SANDY LOAM (LOOSE)	
20-34" TAN MEDIUM SAND AND GRAVEL		25-39" TAN FINE SAND, SOME GRAVEL	
34-70" GREY SANDY TILL W/ ROCKS AND BOULDERS		39-75" GREYISH SANDY TILL	
TEST PIT # 4	5-27-10	TEST PIT # 8	5-27-10
DATE: 5-27-10		DATE: 5-27-10	
DEPTH: 76"		DEPTH: 68"	
GROUNDWATER: NONE		GROUNDWATER: NONE	
MOTTLING: NONE SEEN		MOTTLING: 35"	
LEDGE: NONE		LEDGE: NONE	
ROOTS: 37"		ROOTS: 30"	
RESTRICTIVE: 37"		RESTRICTIVE: 30"	
MATERIALS: 0-8" TOPSOIL AND LEAF LITTER		MATERIALS: 0-10" TOPSOIL AND LEAF LITTER	
8-25" ORANGE BROWN FINE SANDY LOAM (LOOSE)		10-28" ORANGE BROWN FINE SANDY LOAM (LOOSE)	
25-37" TAN MEDIUM SAND AND GRAVEL (LOOSE)		28-32" TAN FINE SAND, SOME SILT (LOOSE)	
37-76" GREYISH SANDY TILL		32-68" GREYISH SANDY TILL	

PERC. TEST #1  
DATE: 6-03-10  
DEPTH: 18.5"  
RATE: 2.1 MIN./IN. RATE: 3.3 MIN./IN.

LOT 1 M.L.S.S. CALCULATIONS  
BEDROOMS: 4  
RESTRICTIVE LAYER: 34"  
SLOPE: 20.0%  
PERC. RATE: 3.3 MIN./IN.  
(HF)18 x (FF)2.0 x (PF)1.0 = 36 L.F.  
660 SF LEACHING AREA REQUIRED

PERC. TEST #3  
DATE: 6-03-10  
DEPTH: 24"  
RATE: 5.7 MIN./IN. RATE: 3.3 MIN./IN.

LOT 2 M.L.S.S. CALCULATIONS  
BEDROOMS: 4  
RESTRICTIVE LAYER: 30"  
SLOPE: 12.0%  
PERC. RATE: 5.7 MIN./IN.  
(HF)18 x (FF)2.0 x (PF)1.2 = 43.2 L.F.  
660 SF LEACHING AREA REQUIRED

**LEGEND**

EXISTING MONUMENT	Mon.
EXISTING IRON PIN	○ I.P.
PROPOSED IRON PIN	○
EXISTING SANITARY EASEMENT	
EXISTING CONTOUR	--- 444
PROPOSED CONTOUR	--- 444
EXISTING TREE LINE	
PROP. LIMIT OF CLEARING	

NOTE: TOPOGRAPHY TAKEN FROM REFERENCED MAP ON FILE AT THE EAST HAMPTON WPCA OFFICE. EXISTING TOPOGRAPHY IN PROPOSED SEPTIC SYSTEM AREAS TAKEN FROM ACTUAL FIELD SURVEY.

Approved by the East Hampton Inland Wetlands Agency  
Chairman \_\_\_\_\_ DATE \_\_\_\_\_

Approved by the East Hampton Planning & Zoning Commission  
Final Approval \_\_\_\_\_ Chairman \_\_\_\_\_  
Date: \_\_\_\_\_

Expiration Date: \_\_\_\_\_

Per Section 8-25c of the Connecticut General Statutes, as amended, approval automatically expires on \_\_\_\_\_ if all physical improvements required by this plan are not completed by that date.

The Subdivision Regulations of the East Hampton Planning & Zoning Commission are a part of this plan. Approval of this plan is contingent on completion of the requirements of said regulations, excepting any variances or modifications made by the Commission. Any such variances or modifications are on file in the office of the Commission.

REFERENCE MADE TO MAPS TITLED:  
"EAST HAMPTON WATER & SEWER AUTHORITY EAST HAMPTON CT SANITARY SEWER SYSTEM" BY CAHN ENGINEERS, INC. CONSULTING ENGINEERS NEW HAVEN, CT DATE: SEPT 1977 SCALE 1"=100', SHEET NO 105 & 106

I HAVE REVIEWED THE WETLAND BOUNDARIES AS SHOWN ON THIS PLAN AND AM OF THE OPINION THAT THE NUMBERED WETLAND IDENTIFICATION FLAGS REPRESENT THE SOIL BOUNDARIES MARKED BY ME IN THE FIELD.

CASEY MRACHEK  
SOIL SCIENTIST

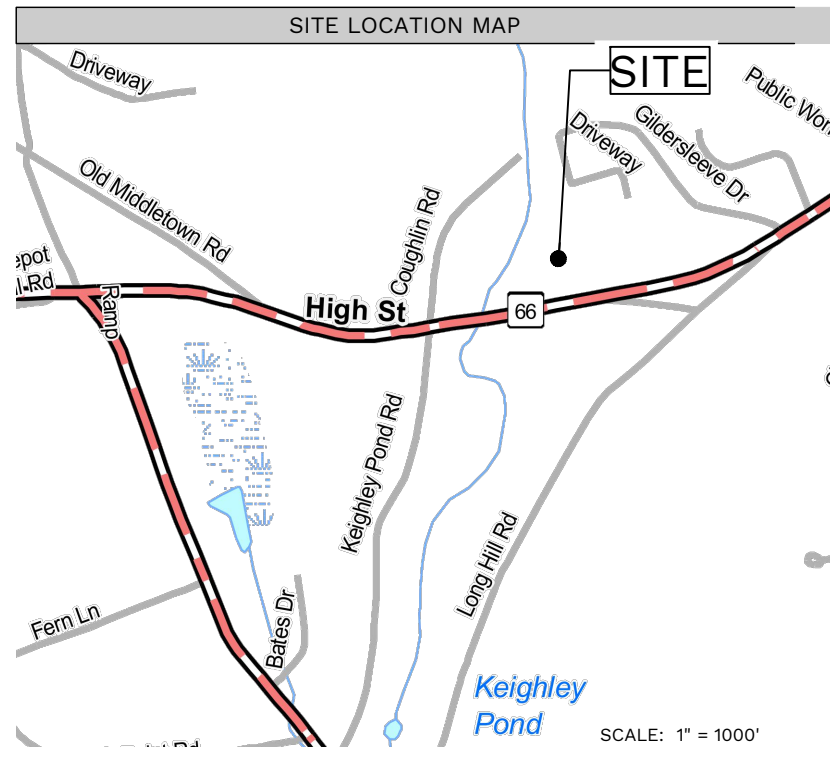
I HEREBY DECLARE TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THIS PLAN IS SUBSTANTIALLY CORRECT.  
DAVID W. ERLANDSON  
P.E. # 25172

**CHATHAM ENGINEERING INC.**  
CONSULTING ENGINEERS  
244 MIDDLETOWN AVENUE  
EAST HAMPTON, CONN. 06424  
PHONE (860)-267-6623

TOPOGRAPHIC MAP  
SIMONI SUBDIVISION  
(RESIDENTIAL SUBDIVISION)  
PREPARED FOR  
ANGELO SIMONI  
EAST HAMPTON, CONN.

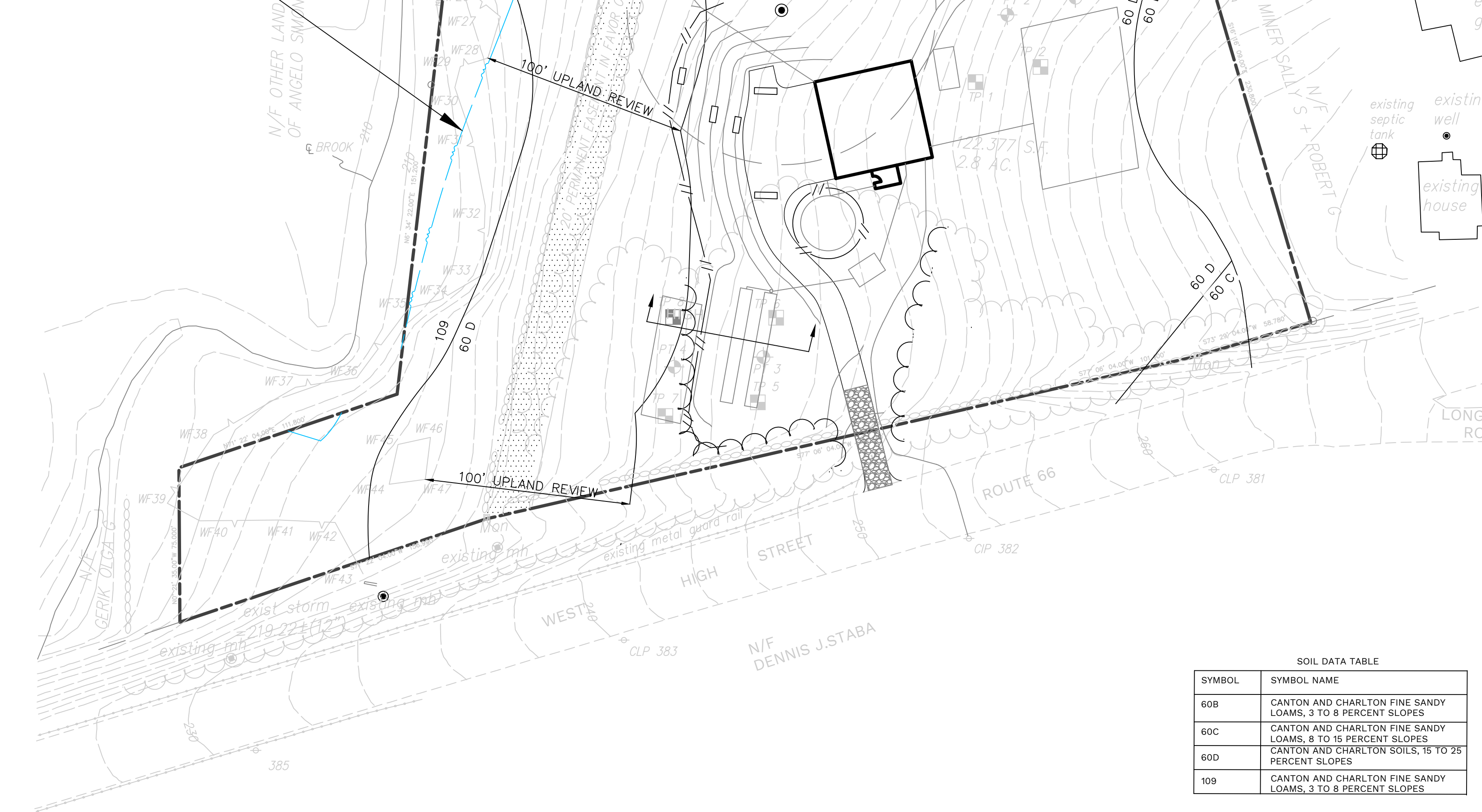
CK. BY: DWE  
DRW. BY: DWE  
DATE: 7-23-10  
SCALE: SHOWN  
SHEET 1 OF 1  
MAP NO. 053-10-1T

APPLICANT/OWNER  
ANGELO SIMONI  
8 COUGHLIN RD.  
EAST HAMPTON, CT 06424



- NOTES:
- MAP REFERENCE: THE EXISTING CONDITIONS BASE MAP WAS DIGITIZED FROM A SCANNED PDF OF THE MAP ENTITLED "TOPOGRAPHIC MAP SIMONI SUBDIVISION (RESIDENTIAL LOT) PREPARED FOR ANGELO SIMONI EAST HAMPTON, CONN". DATED: 7-23-10, SHEET 1 OF 1, MAP NO 053-10-IT, PREPARED BY: CHATHAM ENGINEERING INC.
  - WETLAND SOILS FIELD LOCATED BY CASEY MRACHEK, SOIL SCIENTIST PER MAP REFERENCE IN NOTE 1.
  - SEE SHT SP-2 FOR SITE DESIGN

APPROX. LOCATION FEMA FLOOD ZONE A



TEST PIT # : 1  
 DATE: 5-27-10  
 DEPTH: 76"  
 GROUNDWATER: NONE  
 MOTTLING: 49"  
 LEDGE: NONE  
 ROOTS: 49"  
 RESTRICTIVE: 49"  
 MATERIALS: 0-12" TOPSOIL  
 12-20" ORANGE BROWN FINE SANDY LOAM (LOOSE)  
 20-49" BROWN COARSE SAND AND GRAVEL (LOOSE)  
 49-76" GREYISH SANDY TILL

TEST PIT # : 2  
 DATE: 5-27-10  
 DEPTH: 93"  
 GROUNDWATER: NONE  
 MOTTLING: 35"  
 LEDGE: NONE  
 ROOTS: 36"  
 RESTRICTIVE: 35"  
 MATERIALS: 0-9" TOPSOIL  
 9-24" ORANGE BROWN LOAMY SAND (LOOSE)  
 24-35" BROWN COARSE SAND AND GRAVEL (LOOSE)  
 35-93" GREYISH SANDY TILL

TEST PIT # : 3  
 DATE: 5-27-10  
 DEPTH: 70"  
 GROUNDWATER: NONE  
 MOTTLING: NONE SEEN  
 LEDGE: NONE  
 ROOTS: 29"  
 RESTRICTIVE: 34"  
 MATERIALS: 0-8" TOPSOIL AND LEAF LITTER  
 8-20" ORANGE BROWN LOAMY FINE SAND, ROCKS IN LAYER (LOOSE)  
 20-34" TAN MEDIUM SAND AND GRAVEL  
 34-70" GREY SANDY TILL W/ ROCKS AND BOULDERS

TEST PIT # : 4  
 DATE: 5-27-10  
 DEPTH: 76"  
 GROUNDWATER: NONE  
 MOTTLING: NONE SEEN  
 LEDGE: NONE  
 ROOTS: 37"  
 RESTRICTIVE: 37"  
 MATERIALS: 0-8" TOPSOIL AND LEAF LITTER  
 8-25" ORANGE BROWN FINE SANDY LOAM (LOOSE)  
 25-37" TAN MEDIUM SAND AND GRAVEL (LOOSE)  
 37-76" GREYISH SANDY TILL

PERC TEST # 1  
 DATE: 6-03-10  
 DEPTH: 18.5"  
 RATE: 2.1 MIN./IN

PERC TEST # 2  
 DATE: 6-03-10  
 DEPTH: 20.75"  
 RATE: 3.3 MIN./IN

TEST PIT # : 5  
 DATE: 5-27-10  
 DEPTH: 78"  
 GROUNDWATER: NONE  
 MOTTLING: 43"  
 LEDGE: NONE  
 ROOTS: MOST 38", SOME 54"  
 RESTRICTIVE: 43"  
 MATERIALS: 0-3" LEAF LITTER  
 3-13" TOPSOIL  
 13-29" ORANGE BROWN LOAMY SAND (LOOSE)  
 29-78" GREYISH SANDY TILL

TEST PIT # : 6  
 DATE: 5-27-10  
 DEPTH: 77"  
 GROUNDWATER: NONE  
 MOTTLING: 39"  
 LEDGE: NONE  
 ROOTS: 36"  
 RESTRICTIVE: 39"  
 MATERIALS: 0-9" TOPSOIL AND LEAF LITTER  
 9-28" ORANGE BROWN FINE SAND LOAM (LOOSE)  
 28-35" TAN FINE SAND  
 35-77" GREYISH SANDY TILL

TEST PIT # : 7  
 DATE: 5-27-10  
 DEPTH: 75"  
 GROUNDWATER: NONE  
 MOTTLING: 30"  
 LEDGE: NONE  
 ROOTS: 41"  
 RESTRICTIVE: 30"  
 MATERIALS: 0-10" TOPSOIL AND LEAF LITTER  
 10-25" ORANGE BROWN FINE SAND LOAM (LOOSE)  
 25-39" TAN FINE SAND, SOME GRAVEL  
 39-75" GREYISH BROWN SANDY TILL

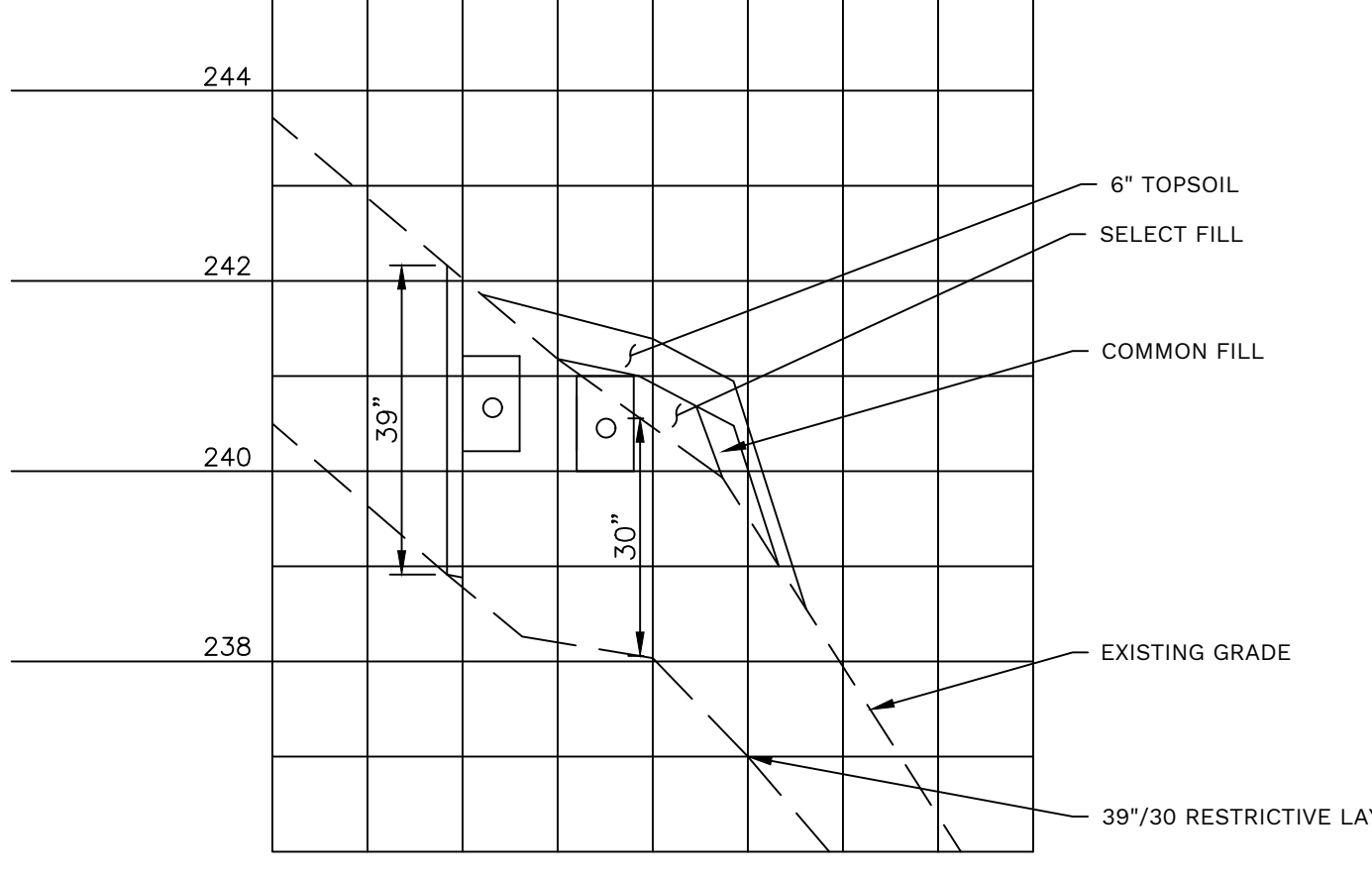
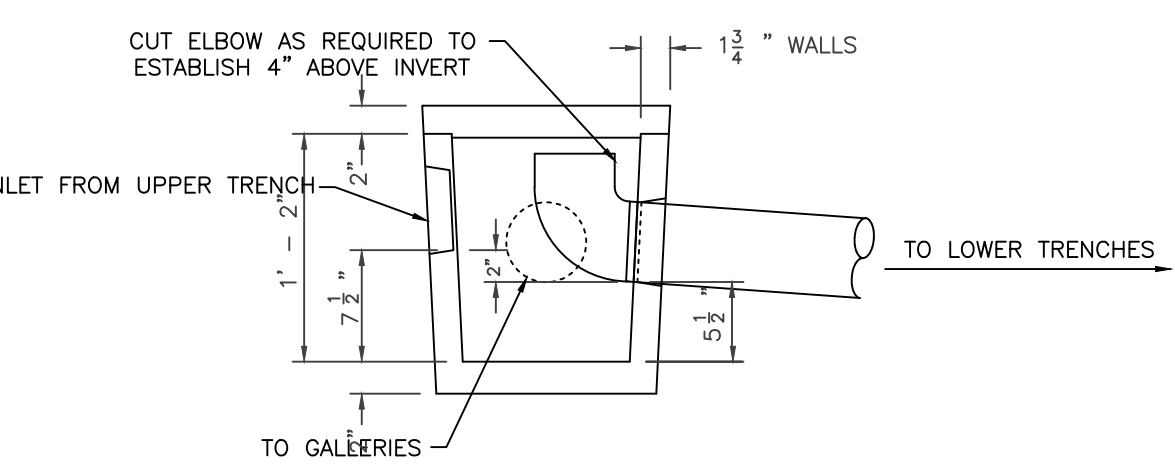
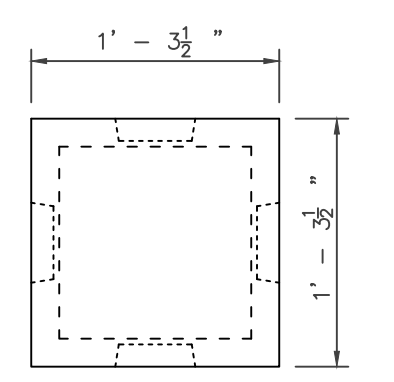
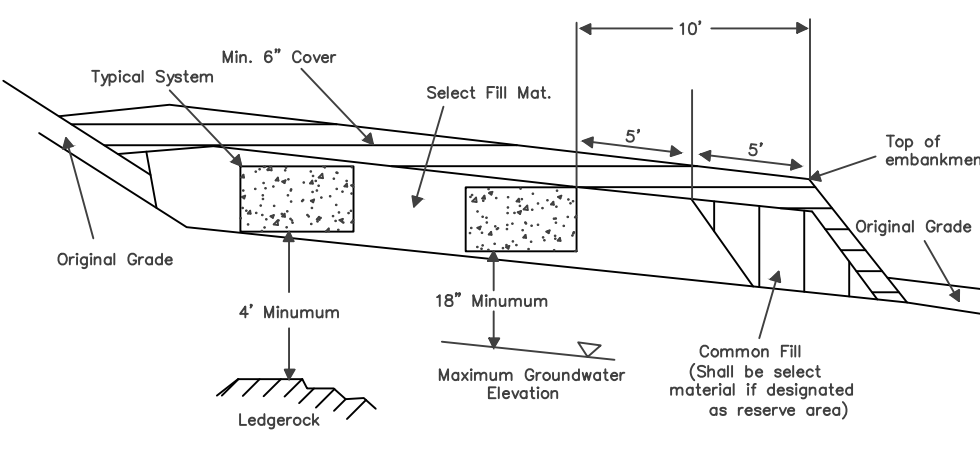
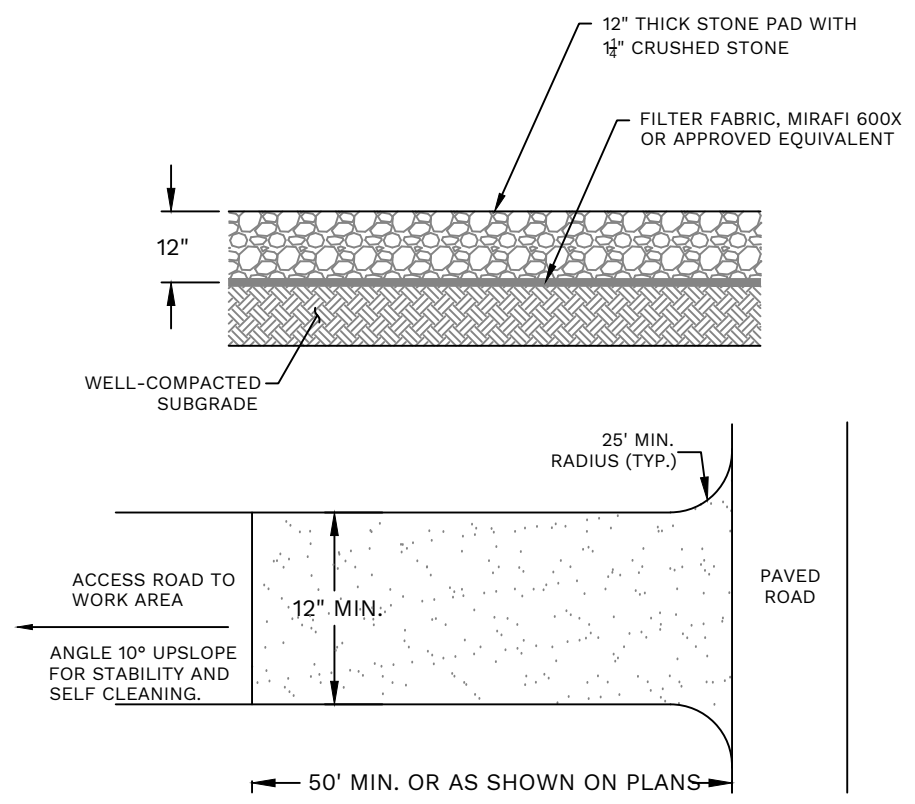
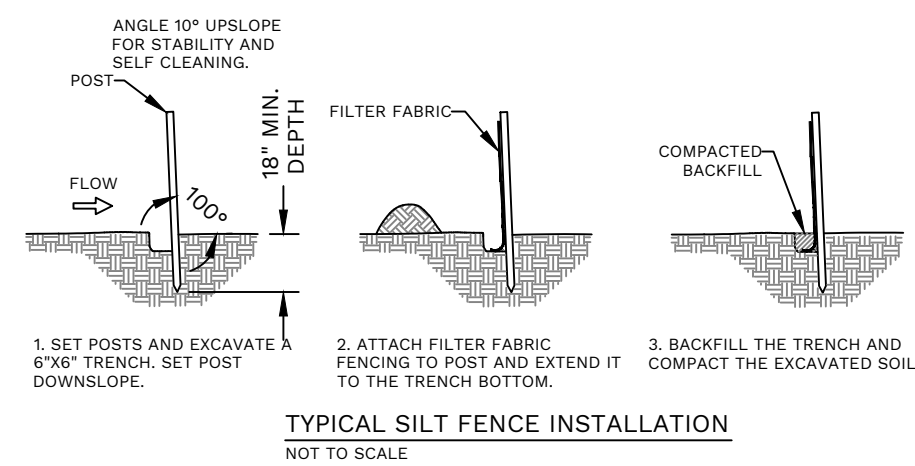
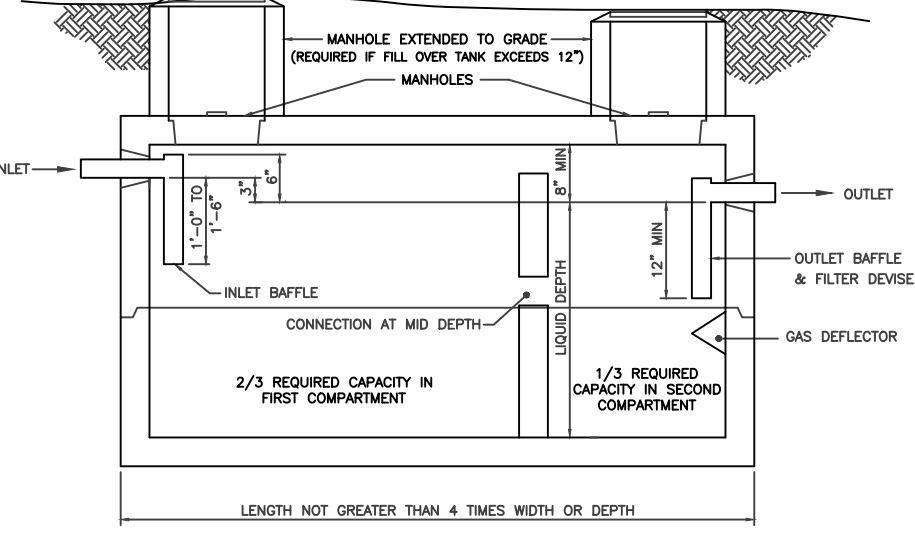
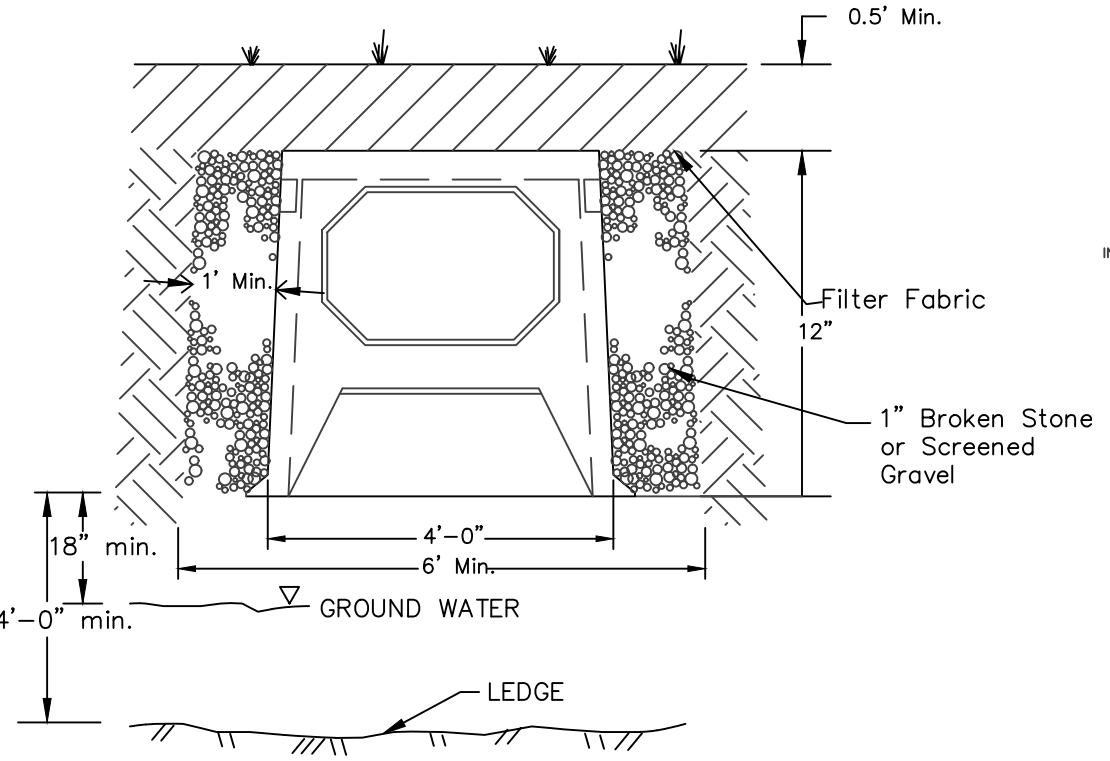
TEST PIT # : 8  
 DATE: 5-27-10  
 DEPTH: 68"  
 GROUNDWATER: NONE  
 MOTTLING: 35"  
 LEDGE: NONE  
 ROOTS: 30"  
 RESTRICTIVE: 35"  
 MATERIALS: 0-10" TOPSOIL AND LEAF LITTER  
 10-28" ORANGE BROWN LOAMY FINE SAND (LOOSE)  
 28-32" TAN FINE SAND, SOME SILT (LOOSE)  
 32-68" GREYISH SANDY TILL

PERC TEST # 3  
 DATE: 6-03-10  
 DEPTH: 24"  
 RATE: 5.7 MIN./IN

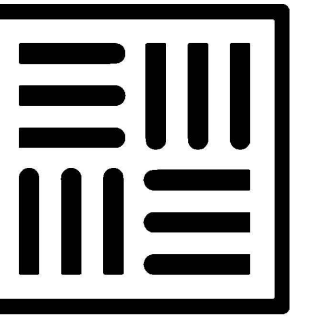
PERC TEST # 4  
 DATE: 6-03-10  
 DEPTH: 22.5"  
 RATE: 3.3 MIN./IN

SOIL DATA TABLE	
SYMBOL	SYMBOL NAME
60B	CANTON AND CHARLTON FINE SANDY LOAMS, 3 TO 8 PERCENT SLOPES
60C	CANTON AND CHARLTON FINE SANDY LOAMS, 8 TO 15 PERCENT SLOPES
60D	CANTON AND CHARLTON SOILS, 15 TO 25 PERCENT SLOPES
109	CANTON AND CHARLTON FINE SANDY LOAMS, 3 TO 8 PERCENT SLOPES

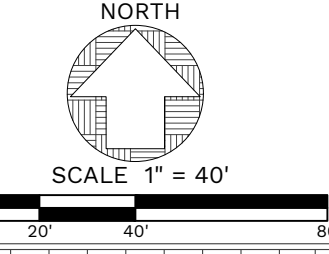
- SELECT FILL:
- THE FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THREE (3) INCHES.
  - UP TO 45% OF THE DRY WEIGHT OF THE REPRESENTATIVE SAMPLE MAY BE RETAINED ON THE #4 Sieve (THIS IS THE GRAVEL PORTION OF THE SAMPLE).
  - THE MATERIAL THAT PASSES THE #4 Sieve IS THEN REWEIGHED AND THE Sieve ANALYSIS RESTARTED.
  - THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA:
- |                         |                          |
|-------------------------|--------------------------|
| FOR WET Sieve ANALYSES: |                          |
| Sieve Size:             | % PASSING:               |
| #4                      | 100                      |
| #10                     | 70 - 100                 |
| #40                     | 10 - 50 (SEE NOTE BELOW) |
| #100                    | 0 - 20                   |
| #200                    | 0 - 5                    |
- |                         |            |
|-------------------------|------------|
| FOR DRY Sieve ANALYSES: |            |
| Sieve Size:             | % PASSING: |
| #4                      | 100        |
| #10                     | 70 - 100   |
| #40                     | 10 - 50    |
| #100                    | 0 - 5      |
| #200                    | 0 - 2.5    |
- NOTE: PERCENT PASSING THE #40 Sieve CAN BE INCREASED TO NO GREATER THAN 75% IF THE PERCENT PASSING THE #100 Sieve DOES NOT EXCEED 10% AND THE #200 Sieve DOES NOT EXCEED 5%.
- THE RESPONSIBILITY FOR THE PREPARATION OF A LEACHING AREA UTILIZING "SELECT MATERIAL" IS THAT OF THE LICENSED INSTALLER. THE INSTALLER SHALL TAKE THE NECESSARY STEPS TO PROTECT THE UNDERLYING NATURALLY OCCURRING SOILS FROM OVERCOMPACTION AND SILTATION ONCE EXPOSED.



SECTION THROUGH SYSTEM A-A  
 SCALE: HOR. 1" = 20'  
 VERT. 1" = 2'



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 West Hartford, CT 06107  
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 EAST-WESTENGINEERING.COM



NO.	DATE	DESCRIPTION

DATE: 06.14.2023  
 SCALE: 1" = 40'  
 PROJECT NO.: 1116  
 DESIGNED BY: GBS  
 DRAWN BY: Y.T.  
 REVIEWED BY: GBS

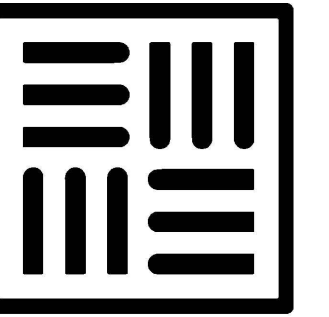
D SIROIS  
 292 W HIGH STREET  
 EAST HAMPTON, CONNECTICUT

OVERALL SITE LAYOUT PLAN

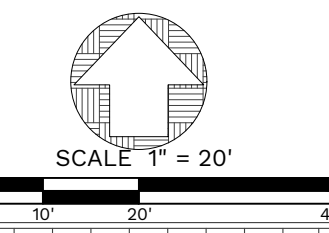
SHEET NUMBER  
 SP-1

DRAWING NAME: SP-1.dwg LAYOUT: SP-1 PLOT DATE: JUN 11, 2023 11:03am





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NO.	DATE	DESCRIPTION

DATE	01.01.2023
SCALE	1" = 20'
PROJECT NO.	1116
DESIGNED BY	GBS
DRAWN BY	YT
REVIEWED BY	GBS

**D SIROIS**  
292 W HIGH STREET  
EAST HAMPTON, CONNECTICUT

**SITE  
LAYOUT  
PLAN**  
SHEET NUMBER  
**SP-2**

NOTES:  
1. SITE TO BE OFF-GRID. NO ELECTRIC LINES TO BE INSTALLED FROM STREET TO BE POWERED BY ON-SITE SOLAR ARRAY.

**SEPTIC SYSTEM NOTES:**

- PIPE FROM FOUNDATION TO SEPTIC TANK SHALL BE PVC SCHEDULE 40 ASTM D-1785.
- PIPE BETWEEN TANK AND GALLERIES SHALL BE PVC ASTM D-3034 SDR-35 OR ASTM D-3033.
- SEPTIC TANK TO BE 4000 PSI CONCRETE DESIGNED ACCORDING TO CONNECTICUT PUBLIC HEALTH CODE SECT. 19-13-B103V.
- NO UNDERGROUND FUEL TANKS, BURY HOLES, OR OTHER SOURCES OF POLLUTION TO BE WITHIN 75' OF A WELL.
- SOIL TESTING INFORMATION FROM MAP REFERENCE 1.
- IF SOIL CONDITIONS ARE ENCOUNTERED THAT ARE DIFFERENT THAN AS DEPICTED ON THIS PLAN, THE INSTALLER SHALL STOP WORK AND NOTIFY THE HEALTH DEPARTMENT AND THE DESIGN ENGINEER IMMEDIATELY.
- IT IS RECOMMENDED THAT THE HEALTH DEPARTMENT BE CONTACTED BEFORE ANY SITEWORK IS PERFORMED.
- SEPTIC SYSTEM IS TO BE STAKED AND GRADED BY A LICENSED LAND SURVEYOR UNDER THE SUPERVISION OF THE DESIGN ENGINEER. A BENCH MARK IS TO BE SET AT THE TIME OF THE HOUSE AND SEPTIC SYSTEM TAKE OUT.
- SEPTIC SYSTEM AREA SHALL HAVE ALL STUMPS AND TOPSOIL REMOVED.
- SUBSOIL IN THIS AREA SHOULD NOT BE DISTURBED.
- ONCE THE TOPSOIL HAS BEEN REMOVED FROM THE AREA OF THE SYSTEM, THE CONTRACTOR SHALL SCARIFY THE TOP 3 TO 4 INCHES OF THE ENTIRE AREA PRIOR TO PLACEMENT OF FILL. SCARIFICATION SHALL ONLY TAKE PLACE WHEN THE SOIL IS DRY AND UNSATURATED.
- THE FILL IS TO BE DUMPED AT THE EDGE OF THE STRIPPED AREA AND SPREAD AND COMPACTED WITH TRACK DRIVEN VEHICLES IN 6" LIFTS TO 90% DENSITY BEFORE TRENCH EXCAVATION. NO TRAFFIC OTHER THAN TRACK DRIVEN EQUIPMENT IS TO CROSS, DUMP, UNLOAD OR OTHERWISE COMPACT THE FILL.
- THE BOTTOM OF THE TRENCHES SHALL BE ADJUSTED AS NEEDED TO MAINTAIN A MINIMUM OF 18" TO MOTTLING, AND 48" TO LEDGEROCK. ALL ADJUSTMENTS MUST BE APPROVED BY THE HEALTH DEPARTMENT AND THE DESIGN ENGINEER.
- SYSTEM AREA TO BE LOAMED, SEED, AND GRADED TO SHED SURFACE RUNOFF AWAY FROM SYSTEM.
- THE CONTRACTOR SHALL FURNISH SUFFICIENT INFORMATION (LOCATION & ELEVATION) TO THE ENGINEER FOR THE PURPOSE OF CREATING AN AS-BUILT DRAWING FOR THE HEALTH DEPARTMENT.

**SEPTIC SYSTEM DESIGN:**

NO. BEDROOMS = 4  
NO. LARGE CAPACITY TUB/JACUZZI = 0  
100 - 200 GAL. = 0 >200 GAL. = 0 GAL  
4 BDRM = 1125 GAL. (SEPTIC TANK)  
GARBAGE DISPOSAL (YES) = 250  
WTW (POSSIBLE) = 250 (UNKNOWN)

REQUIRED TANK CAPACITY = 1500\*  
PERC RATE = LESS THAN 10.1 MIN/INCH  
REQUIRED LEACHING AREA = 577.50 SF  
USE SYSTEM WITH EFF. AREA = 5.9 SF/FT.  
TOTAL TRENCH LENGTH REQUIRED = 97.9 LF  
PROVIDE: 2, 12" GALLERIES @ 56 LF (112 LF)

\* IF WTW IS REQUIRED INCREASE SEPTIC TANK CAPACITY TO 2000 GALS

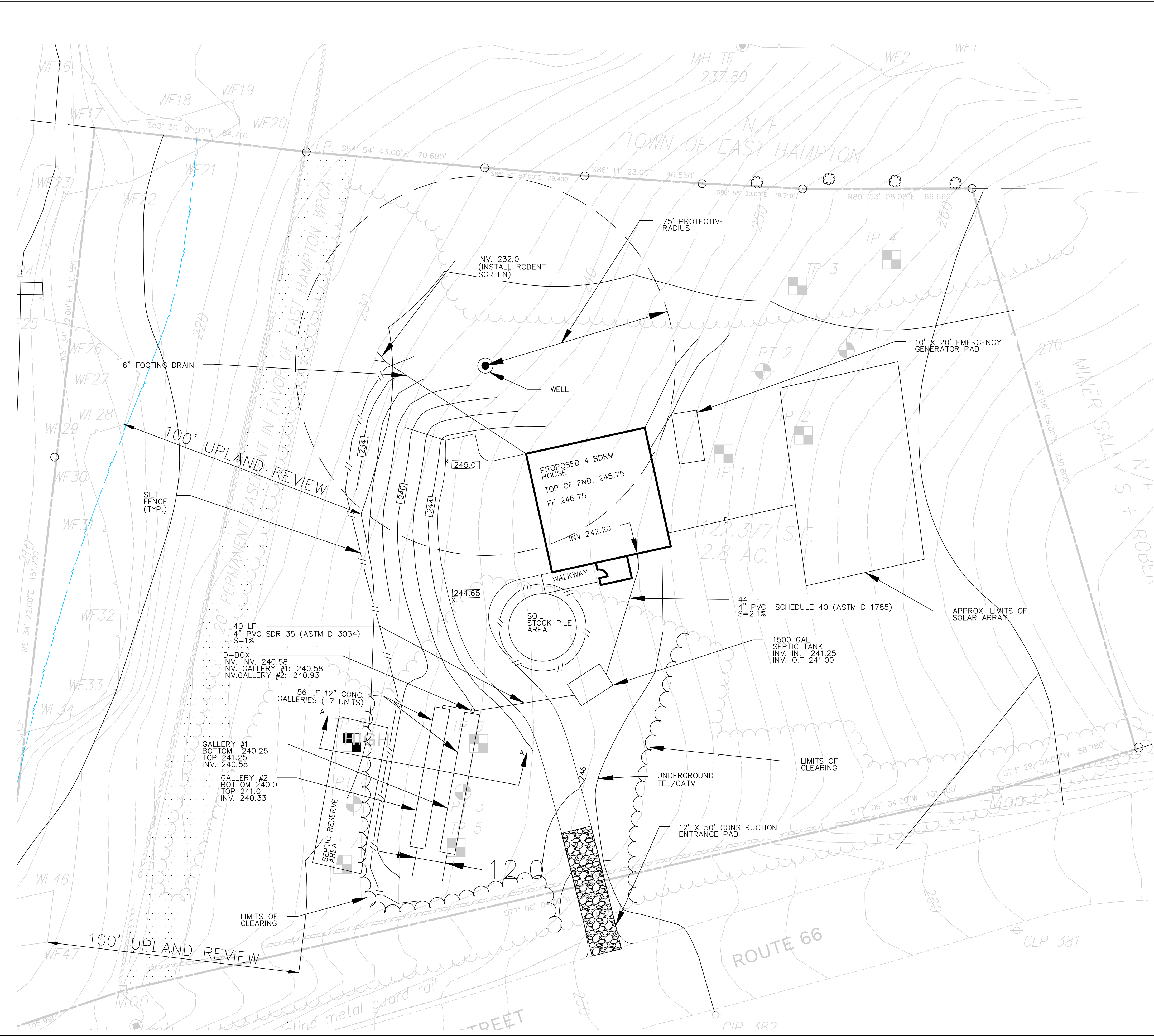
**M. L. S. S.**

HYDRAULIC FACTOR (HF) = 28  
(DEPTH = 30" SLOPE = 8%)

FLOW FACTOR (FF) = 1.75  
(# BEDROOMS = 4)

PERCOLATION FACTOR (PF) = 1.0  
(PERCOLATION RATE = LESS THAN 10.1)

M.L.S.S. = HF X FF X PF = 49.0



DRAWING NAME: SP-2.dwg LAYOUT: SP-2 PLOT DATE: JUN 11, 2023 - 11:03am

## GENERAL NOTES

- EXISTING CONDITIONS MAY VARY FROM THOSE SHOWN ON THESE PLANS. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND NOTIFY ENGINEER IMMEDIATELY IF THERE ARE ANY DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND/OR THE FIELD CONDITIONS SO THAT APPROPRIATE REVISIONS CAN BE MADE. THE CONTRACTOR SHALL NOT PROCEED WITH SUCH WORK UNTIL THE ENGINEER/ OWNER HAS BEEN CONTACTED FOR CLARIFICATION AND PROPER DIRECTION.
- THE LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE ENGINEER. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT OCCUR DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" LOCATING SERVICE AT 1-800-922-4455 AT LEAST SEVENTY TWO (72) HOURS PRIOR TO THE START OF CONSTRUCTION IN ORDER TO HAVE ALL UTILITIES LOCATED AND MARKED.
- NO STUMPS, BUILDING DEBRIS, OR UNSUITABLE MATERIALS ARE TO BE BURIED ON SITE.
- ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE RESPECTIVE UTILITY'S REQUIREMENTS AND STANDARDS. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE UTILITY RELATED WORK WITH THE RESPECTIVE UTILITY COMPANY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF SNOW FROM ALL ROADS, SIDEWALKS AND DRIVEWAYS WITHIN THE LIMITS OF THE WORK AREA AS WELL AS THE CONTRACTOR'S STAGING AREA UNTIL SUBSTANTIAL COMPLETION.
- REPLACE EXISTING SURVEY MONUMENTS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION OPERATIONS. PERFORM THE WORK TO PRODUCE THE SAME LEVEL OF ACCURACY AS THE ORIGINAL MONUMENT(S) IN A TIMELY MANNER, AND AT THE CONTRACTOR'S EXPENSE.
- ELEVATIONS GIVEN ARE TO FINISH GRADE UNLESS OTHERWISE SHOWN.
- SLOPE UNIFORMLY BETWEEN CONTOURS AND SPOT ELEVATIONS SHOWN.
- ALL DISTURBED AREAS NOT RECEIVING A HARD SURFACE SHALL BE COVERED WITH TURF ESTABLISHMENT OR AS INDICATED ON THE PLANS. THE PERMANENT SEED MIX FOR TURF ESTABLISHMENT IS AS FOLLOWS:

NAME	MINIMUM PROPORTION BY WEIGHT
KENTUCKY BLUEGRASS	45%
CREeping RED FESCUE	10%
PERENNIAL RYE GRASS	45%

- ANY AND ALL EXISTING SEWERS, DRAINS, AND/OR UTILITIES ENCOUNTERED OR DAMAGED DURING CONSTRUCTION SHALL BE RECONNECTED TO OPERATING SEWERS, DRAINS, AND/OR UTILITIES AS DIRECTED BY THE ENGINEER/ OWNER AT NO ADDITIONAL COST TO OWNER.
- THE CONTRACTOR SHALL INSTALL TEMPORARY PUMPING SYSTEMS, UNDERDRAINS, CURTAIN DRAINS, AND/OR OTHER MEASURES AS REQUIRED IN ORDER TO PROVIDE DRY, STABLE SUBGRADES.
- CONTRACTOR SHALL RELOCATE, REMOVE, AND/OR OTHERWISE MODIFY ANY EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION AS REQUIRED TO AVOID CONFLICTS WITH THE PROPOSED WORK AS DIRECTED BY ENGINEER/ OWNER AT NO ADDITIONAL COST TO OWNER.
- ANY UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY CONTRACTOR AS DIRECTED BY ENGINEER/OWNER AT NO ADDITIONAL COST TO OWNER.
- ALL UTILITY CONSTRUCTION IS SUBJECT TO INSPECTION PRIOR TO APPROVAL FOR BACKFILL, IN ACCORDANCE WITH THE APPROPRIATE UTILITY COMPANY, THE TOWN OF EAST HAMPTON, AND/OR STATE OF CONNECTICUT REQUIREMENTS.

## LEGEND (PROPOSED)

(NOT ALL SYMBOLS MAY BE USED)

PROPERTY LINE EASEMENT LINE CURB EDGE OF PAVEMENT (EOP) METAL BEAM GUIDE RAIL TIMBER BARRIER RAIL CHAIN LINK FENCE TREE/VEGETATION LINE MAJOR CONTOUR MINOR CONTOUR SPOT ELEVATION TOP/BOTTOM OF CURB ELEVATION PIPES TELEPHONE/COMMUNICATIONS STORM DRAINAGE UNDERGROUND ELECTRIC OVERHEAD ELECTRIC SANITARY SEWER FORCE MAIN SANITARY SEWER WATER EXISTING PIPE TO BE REMOVED EXISTING PIPE TO BE ABANDONED GEOTEXTILE SILT FENCE SEDIMENT CONTROL AT CATCH BASIN LIMIT OF EROSION CONTROL MATTING LIMIT TURF ESTABLISHMENT STONE BED CONCRETE RIPRAP EXISTING SITE FEATURE TO BE REMOVED EXISTING SITE FEATURE TO BE ABANDONED BIT. CONCRETE PAVEMENT BIT. CONCRETE PERMANENT PAVEMENT RESTORATION PER CT DOT STANDARDS	SOIL BORING SOIL PROBE MONITORING WELL TEST PIT TYPE 'C' CATCH BASIN TYPE 'CL' CATCH BASIN YARD DRAIN STORM DRAINAGE MANHOLE SANITARY SEWER MANHOLE ELECTRICAL MANHOLE TELEPHONE MANHOLE WATER MANHOLE MISCELLANEOUS MANHOLE GAS VALVE ELECTRICAL BOX HAND HOLE PAD MOUNTED TRANSFORMER HYDRANT WATER VALVE UTILITY POLE W/ GUY WIRE POLE MOUNTED LIGHT FIXTURE LUMINAIRE ON STANDARD SIGNS POST BOLLARD TREES SHRUBS GRADE TO DRAIN PORTABLE DUMPSTER CONTAINER
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## ABBREVIATIONS

(NOT ALL ABBREVIATIONS MAY BE USED)

ABND	ABANDONED	HP	HIGH POINT
AM	AIR MAIN	HYD	HYDRANT
ACCMP	ASPHALT COATED CORRUGATED METAL PIPEID	IE	INSIDE DIAMETER
APPROX.	APPROXIMATE	IE	INVERT ELEVATION
BC	BOTTOM OF CURB	INV	INVERT
BCLC	BITUMINOUS CONCRETE LIP CURB	KVE	ELECTRIC CABLE
BOT	BOTTOM	LP	LOW POINT
BIT.	BITUMINOUS	MH	MANHOLE
BL	BASELINE	NTS	NOT TO SCALE
BM	BENCHMARK	O.C.	ON CENTER
BO	BLOW OFF	O.D.	OUTSIDE DIAMETER
BOW	BOTTOM OF WALL	PB	PULL BOX
¢	CENTER LINE	¢	PROPERTY LINE
CW	CITY WATER	¢	PAVEMENT
C-CB	TYPE 'C' CATCH BASIN	PVMT	PRESTRESSED CONCRETE CYLINDRICAL PIPE
CL-CB	TYPE 'CL' CATCH BASIN	PCCP	PVC
CL	CAST IRON	PVC	POLYVINYL CHLORIDE
CIP	CAST IRON PIPE	RCP	REINFORCED CONCRETE PIPE
CLF	CHAIN LINK FENCE	R	RADIUS
CMU	CONCRETE MASONRY UNIT	RD	ROOF DRAINAGE
C.O.	CLEAN OUT	RWL	RAIN WATER LEADER
CONC.	CONCRETE	S	PIPE SLOPE
CPP	CORRUGATED PLASTIC PIPE	SAN	SANITARY
DI	DUCTILE IRON	SD	STORM DRAIN
DIP	DUCTILE IRON PIPE	SHT	DRAWING NO. SHEET
DEG	DEGREES	SMH	SANITARY MANHOLE
DIA	DIAMETER	SPCP	STORMWATER POLLUTION CONTROL PLAN
DMH	DRAINAGE MANHOLE	STM	STORM
DR	DRAIN LINE	SW	SERVICE WATER
DW	DOMESTIC WATER	TC	TOP OF CURB
ELEC	ELECTRICAL	TEMP.	TEMPORARY
EL	ELEVATION	TEL	TELEPHONE
EMH	ELECTRICAL MANHOLE	TF	TOP OF FRAME
EOP	EDGE OF PAVEMENT	TMH	TELEPHONE/COMMUNICATIONS MANHOLE
EX.	EXISTING	TOG	TOP OF GRATE
EXIST.	EXISTING	TOS	TOP OF SLAB
FE	FLARED END	TOW	TOP OF WALL
F.D.	FLOOR DRAIN	TYP.	TYPICAL
FF	FINISHED FLOOR	UD	UNDERDRAIN
FFE	FINISHED FLOOR ELEVATION	UD	UNKNOWN
FLR	FLOOR	UKWN	VITRIFIED CLAY
FRP	FIBERGLASS REINFORCED PLASTIC	VF	VERIFY IN FIELD
G	GAS	W	WATER
GM	GAS METER	WM	WATER METER
GTD	GRADE TO DRAIN	WMH	WATER MANHOLE
HC	HANDICAP	WS	WATER STOP
HDPE	HIGH DENSITY POLYETHYLENE	WV	WATER VALVE
HDS	HYDRODYNAMIC SEPARATOR STRUCTURE	YD	YARD DRAIN
HH	HANDHOLE		

## EROSION AND SEDIMENTATION CONTROL PLAN

### NARRATIVE

THE SUBJECT SITE (292 WEST HIGH STREET) IS LOCATED ON THE NORTH SIDE OF WEST HIGH STREET (ROUTE 66) IN THE TOWN OF EAST HAMPTON, CONNECTICUT.

THE SUBJECT SITE IS PRESENTLY AN UNDEVELOPED PARCEL OF LAND. THERE IS NO WORK WITHIN REGULATED FLOODPLAIN OR WETLANDS.

WORK INCLUDES CONSTRUCTION OF A SINGLE FAMILY HOME WITH DRIVEWAY, SEPTIC SYSTEM, WELL AND SOLAR ARRAY. THERE ARE WETLANDS ALONG THE WESTERN SIDE OF THE SITE. THERE WILL BE SOME GRADING WITHIN THE 100' UPLAND REVIEW BUFFER. STANDARD EROSION CONTROL MEASURES WILL BE USED TO CONTROL EROSION AS PART OF THE DEVELOPMENT OF THE SITE.

### CONSTRUCTION SCHEDULE

ESTIMATED START OF CONSTRUCTION IS SUMMER/FALL 2023. ESTIMATED COMPLETION OF CONSTRUCTION IS SPRING 2024. ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.

### RESPONSIBLE CONTACT

THE RESPONSIBLE CONTACT PERSON FOR ASSURING THAT ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES ARE PROPERLY INSTALLED AND MAINTAINED WILL BE THE SITE CONTRACTOR. THE RESPONSIBLE CONTACT PERSON FOR MAINTAINING THE PERMANENT MEASURES WHEN THE PROJECT IS COMPLETE WILL BE THE PROPERTY OWNER.

### GENERAL EROSION AND SEDIMENTATION CONTROL NOTES

- THE EROSION AND SEDIMENT CONTROLS SHOWN ON THE DRAWINGS DEPICT THE MINIMUM EROSION AND SEDIMENT CONTROL PRACTICES REQUIRED FOR THE PROJECT. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PREVENT ERODED MATERIALS FROM LEAVING THE SITE.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AND APPROVED PRIOR TO THE START OF LAND CLEARING AND CONSTRUCTION.
- EROSION CONTROL MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL AREAS ARE STABILIZED. IF FULL IMPLEMENTATION OF APPROVED EROSION CONTROL PLANS DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED AS DIRECTED BY THE ENGINEER/OWNER TO CONTROL OR TREAT THE SEDIMENT SOURCE AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL KEEP ALL PUBLIC ROADWAYS CLEAN AND CLEAR OF ALL MUD AND DEBRIS DURING CONSTRUCTION. THE CONTRACTOR SHALL IMPLEMENT MEASURES NECESSARY FOR DUST CONTROL, INCLUDING BUT NOT LIMITED TO ROADWAY SWEEPING AND WATERING.
- APPLY TEMPORARY SEEDING OR MULCH TO AREAS WHERE ROUGH GRADING HAS BEEN COMPLETED BUT FINAL GRADING IS NOT ANTICIPATED TO BEGIN WITHIN 30 DAYS OF THE COMPLETION OF ROUGH GRADING. WHEN CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED OR WHEN FINAL GRADES ARE REACHED, STABILIZATION AND PROTECTION MEASURES SHALL BE IMPLEMENTED WITHIN SEVEN (7) DAYS.
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL CONFORM TO THE REQUIREMENTS OF THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" AS AMENDED.

### GENERAL CONSTRUCTION SEQUENCE

- INSTALL SOIL AND EROSION CONTROL MEASURES INCLUDING BUT NOT LIMITED TO: CONSTRUCTION ENTRANCE PAD AND SILT FENCE.
- CLEAR AND GRUB WITHIN LIMITS OF CLEARING.
- STRIP AND STOCKPILE TOPSOIL. NO TOPSOIL SHALL BE REMOVED FROM THE SITE WITHOUT THE PERMISSION OF THE OWNER.
- PERFORM ROUGH GRADING. EXCESS MATERIAL SHALL BE TAKEN DIRECTLY OFF-SITE AND PROPERLY DISPOSED OF BY THE CONTRACTOR.
- CONTINUE EARTHWORK IN EXPEDITIOUS MANNER, AND STABILIZE. INSTALL ADDITIONAL EROSION CONTROLS AS DIRECTED BY THE ENGINEER OR OWNER'S REPRESENTATIVE.
- BUILDING CONSTRUCTION TO BE DONE THROUGHOUT CONSTRUCTION PROCESS.
- COMPLETE INSTALLATION OF THE SITE UTILITIES AND SEPTIC SYSTEM.
- COMPLETE INSTALLATION OF BITUMINOUS CONCRETE PAVEMENT, CONCRETE WALKS, ETC.
- PREPARE FINAL GRADE FOR AREAS DISTURBED BY CONSTRUCTION NOT RECEIVING A HARD SURFACE OR OTHER SURFACE AS INDICATED ON PLANS. PLACE 6" OF TOPSOIL ON DISTURBED AREAS AFTER FINAL GRADING IS COMPLETED. FERTILIZE, SEED AND MULCH IN ACCORDANCE WITH THESE PLANS.
- REMOVE EROSION CONTROLS AFTER AREAS ARE STABILIZED.

### INSTALLATION OF SEDIMENTATION AND EROSION CONTROL MEASURES

#### SILT FENCE

- SILT FENCE SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE SITE PLAN AND AS DIRECTED BY THE ENGINEER.
- DIG A SIX INCH TRENCH ON THE UPHILL SIDE OF THE DESIGNATED FENCE LINE LOCATION.
- POSITION THE POST AT THE BACK OF THE TRENCH (DOWNHILL SIDE), AND INSTALL THE POST AT LEAST 1.5 FEET INTO THE GROUND.
- LAY THE BOTTOM SIX INCHES OF THE FABRIC INTO THE TRENCH TO PREVENT UNDERMINING BY STORM WATER RUN-OFF.
- BACKFILL THE TRENCH AND COMPACT.

#### HAYBALES

- BALES SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE, ORIENTED PARALLEL TO THE CONTOUR, WITH ENDS OF ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER.
- BALES SHALL BE ENTRENCHED AND BACKFILLED. A TRENCH SHALL BE EXCAVATED THE WIDTH OF A BALE AND THE LENGTH OF THE PROPOSED BARRIER TO A MINIMUM DEPTH OF FOUR INCHES. AFTER THE BALES ARE STAKED, THE EXCAVATED SOIL SHALL BE BACKFILLED AGAINST THE BARRIER.
- EACH BALE SHALL BE SECURELY ANCHORED BY AT LEAST TWO (2) STAKES.
- THE GAPS BETWEEN BALES SHALL BE WEDGED WITH STRAW TO PREVENT WATER LEAKAGE.
- THE BARRIER SHALL BE EXTENDED TO SUCH A LENGTH THAT THE BOTTOMS OF THE END BALES ARE HIGHER IN ELEVATION THAN THE TOP OF THE LOWEST MIDDLE BALE, TO ENSURE THAT RUN-OFF WILL FLOW EITHER THROUGH OR OVER THE BARRIER, NOT AROUND IT.

#### CONSTRUCTION ENTRANCE PAD

- CLEAR THE AREA OF THE ENTRANCE OF ALL VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL.
- PLACE THE STONE TO THE SPECIFIED DIMENSION.

### OPERATION AND MAINTENANCE OF TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES

#### SILT FENCE

- ALL SILT FENCES SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL. ALL DETERIORATED FABRIC AND DAMAGED POSTS SHALL BE REPLACED AND PROPERLY REPOSITIONED.
- SEDIMENT DEPOSITS SHALL BE REMOVED WHEN THEY EXCEED A HEIGHT OF ONE FOOT OR 1/2 THE HEIGHT OF THE BARRIER..

#### CONSTRUCTION ENTRANCE PAD

- MAINTAIN THE ENTRANCE IN A CONDITION THAT WILL PREVENT TRACKING AND WASHING OF SEDIMENT ONTO PAVED SURFACES. PROVIDE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND. REPAIR ANY MEASURES USED TO TRAP SEDIMENTATION AS NEEDED.
- ROADS ADJACENT TO CONSTRUCTION SITE SHALL BE LEFT CLEAN AT THE END OF EACH DAY.

### GENERAL NOTE FOR OPERATION AND MAINTENANCE OF TEMPORARY SOIL AND EROSION AND SEDIMENTATION CONTROL MEASURES

- CONTRACTOR TO KEEP WEEKLY CHECKLIST LOGS FOR INSPECTIONS OF ALL SEDIMENT AND EROSION CONTROL DEVICES AND HAVE THEM READILY AVAILABLE ON-SITE AT ALL TIMES FOR INSPECTION BY THE ENGINEER, OWNER'S REPRESENTATIVE OR CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CT DEEP).

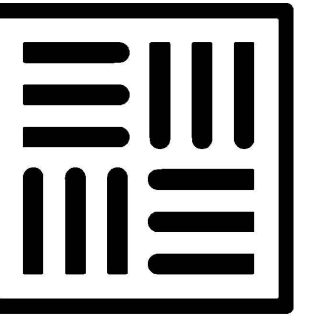
### OPERATION AND MAINTENANCE POST CONSTRUCTION

THE FOLLOWING OPERATION AND MAINTENANCE SCHEDULE IS REQUIRED TO ENSURE THE PROPER AND EFFICIENT OPERATION OF THE STORMWATER MANAGEMENT SYSTEM POST CONSTRUCTION.

LAWN AREAS: TO BE MAINTAINED IN A STABLE NON-ERODED CONDITION. ANY ERODED AREAS TO BE STABILIZED WITH SEED AND MULCH TO ESTABLISH A UNIFORM STAND OF GRASS.

### CONTINGENCY EROSION PLAN

SHOULD UNFORESEEN EROSION OR SEDIMENTATION PROBLEMS ARISE, THE DESIGN ENGINEER OF RECORD (EAST-WEST ENGINEERING, PLLC) SHALL BE NOTIFIED IMMEDIATELY. AN INSPECTION OF THE AFFECTED AREA(S) SHALL BE PROMPTLY PERFORMED. A REMEDIAL ACTION PLAN SHALL BE FORMULATED. THE SITE CONTRACTOR SHALL THEN IMPLEMENT THE RECOMMENDED COURSE OF ACTION WHICH HAS BEEN DETERMINED BY THE ENGINEER.



**EAST-WEST**

**ENGINEERING**

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West Hartford, CT 06107  
860-729-9326  
EAST-WESTENGINEERING.COM

NO.	DATE	DWN/RW	DESCRIPTION

DATE	SCALE	PROJECT NO.	DESIGNED BY
07.08.2023		1116	GBS
			DRAWN BY
			Y.T
			REVIEWED BY
			GBS

**D SIROIS**  
 292 W HIGH STREET  
 EAST HAMPTON, CONNECTICUT

GENERAL NOTES  
&  
LEGEND

SHEET NUMBER

GN-1