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

INLAND WETLANDS & WATERCOURSES AGENCY
TOWN OF EAST HAMPTON

RECEIVED
2.22.2023
East Hampton
Land Use Dept.

REVISED 3.22.3023

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 CopiesProject 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: _____ **Date:** 2/22/23

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: 2/21/23

1. Name of Applicant* James Marino Email:_____
Phone Numbers: Home_____, Business 203 887-2499, Cell _____
Home Address: Street_____ Town_____ State/Zip _____
Business Address: Street_____ Town_____ State/Zip _____
* 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):_____ Phone _____
Address: Street_____ Town_____ State/Zip _____
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: James Marino, Signature: [signature], Date: 2/22/23

3. Provide the applicant's interest in the land. OWNER

4. Site Location and Description: Assessor's Map 19, Block 46, Lot 10
Address: Street 65 West 11gh St. Town East Hampton State/Zip CT
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. 2,080
Area of Watercourse to be disturbed 100 acres or sq. ft.
Area of Upland Review Area to be disturbed: 0.26 acres or sq. ft.(Area within 100' of wetland) 11,313
TOTAL AREA OF DISTURBANCE 0.26 **acres or sq. ft.** 13,393
Will fill be needed on site? Yes No If yes, how much fill is needed?_____cubic yards
The property contains (circle one or more)
WETLANDS, BROOK, RIVER, INTERMITTANT STREAM, VERNAL POOL, SWAMP, OTHER NO
Description of soil types on site: _____
Description of wetland vegetation: _
Name of Soil Scientist and date of survey: _____

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.

Attach plans showing all alternatives considered.

_____

_____

7. Attach a site plan showing the proposed activity and existing and proposed conditions in relation to wetlands and watercourses and identifying any further activities associated with, or reasonably related to, the proposed regulated activity which are made inevitable by the proposed regulated activity and which may have an impact on wetlands or watercourses. 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.

8. Attach the names and mailing addresses of adjacent landowners. Attach additional sheets if necessary.
Name_____Address _____
Name_____Address _____
Name_____Address _____

9. Attach a completed DEEP reporting form.
The Agency shall revise or correct the information provided by the applicant and submit the form to the Commissioner of Environmental Protection in accordance with section 22a-39-14 of the Regulations of Connecticut State Agencies.

10. Attach the appropriate filing fee based on the fee schedule in Section 19 of the regulations.
Fee: _ (Make check payable to "The Town of East Hampton")

11. Name of Erosion Control Agent (Person Responsible for Compliance): James Marino Phone Numbers: Home_____, Business 203-887-2499, Cell _____ Address: Street_____Town_____ State/Zip _____

12. Are you aware of any wetland violations (past or present) on this property? YES NO
If yes, explain _____

13. Are you aware of any vernal pools located on or adjacent (within 500')to the property? YES NO

14. For projects that do not fall under the ACOE Category 1 general permit – Have you contacted the Army Corps of Engineers? YES NO N/A

15. . Is this project within a public water supply aquifer protection area or a public water supply watershed area? YES NO
If so, have you notified the Commissioner of the Connecticut Department of Public Health and the East Hampton WPCA? YES NO
(Proof of notification must be submitted with your application.)

16. PUBLIC HEARINGS ONLY. The applicant must provide proof of mailing notices to the abutters prior to the hearing date.

17. ***As the applicant I am familiar with all the information provided in the application and I am aware of the penalties for obtaining a permit through deception or through inaccurate or misleading information.***
Printed name: James Marino, Signature: _____, Date: 2/22/23
Please Note: You or a representative must attend the Inland Wetlands meeting to present you application.

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 N/A
- ☐ 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
- ☐ 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 N/A
- ☑ 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
- ☐ 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
- ☐ 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:

- ☐ 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.
- ☐ Address the potential to enhance the current buffer area.
- ☐ Review drainage information with Town Engineering
- ☐ Mailing requirements for abutters (public hearing only)

REYNOLDS ENGINEERING SERVICES, LLC

68 Bogg Lane ♦ Lebanon, CT 06249 ♦ Ph. (860) 465-7419

WETLAND APPLICATION - NARRATIVE
Proposed Duplex
65 West High Street
East Hampton, Connecticut

The proposed activity consists of the construction of a single Duplex residence with associated driveway and septic system as shown on the plan entitled “West High Street MBL 19-46-14, prepared for Jim Marino, East Hampton, Connecticut” dated 2/15/2023.

Portions of the proposed development are located within the upland review area (0.26 acres). The proposed driveway crosses a roadside intermittent watercourse which is in the DOT right-of-way. 100 square feet of direct impact to the aforementioned intermittent watercourse is proposed.

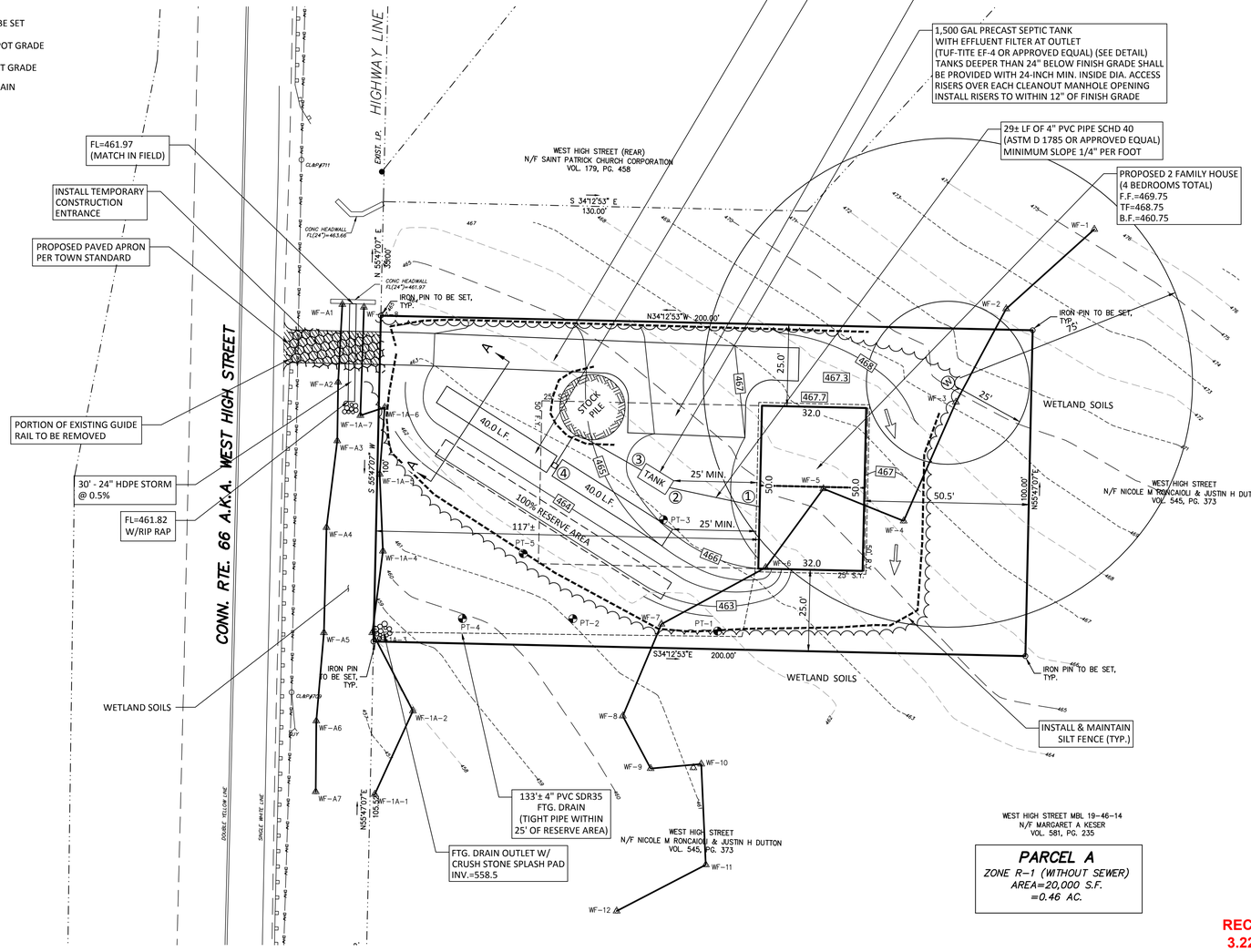
Perimeter silt fence is proposed to separate the work areas from the wetlands. All disturbed areas will be established in grass before the sedimentation controls are removed.

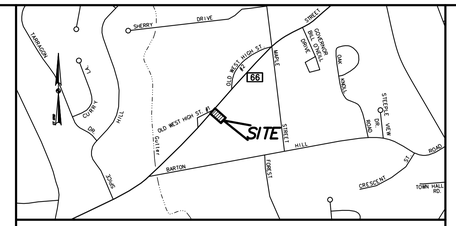
There is no significant alternative for development of the site. The proposed driveway and house layout are planned such that they provide the minimum separating distances to the only suitable septic area on the lot.

LEGEND

THESE STANDARD SYMBOLS WILL BE FOUND IN THE DRAWING.

- PROPERTY LINE
- BUILDING SETBACK LINE
- 600 EXISTING CONTOUR
- 600 PROPOSED CONTOUR
- TREELINE / BRUSHLINE
- LIMIT OF CLEARING
- SILT FENCE
- PROPOSED UNDERGROUND UTILITIES
- TEST PIT LOCATION
- PERCOLATION TEST LOCATION
- UTILITY POLE
- IRON PIN TO BE SET
- 603.5 PROPOSED SPOT GRADE
- 603×8 EXISTING SPOT GRADE
- GRADE TO DRAIN





LOCATION MAP

SCALE 1"=1000'

EROSION & SEDIMENT CONTROL NOTES:

1. ALL EROSION & SEDIMENT CONTROL MEASURES TO BE CONSTRUCTED AS DETAILED AND SPECIFIED IN THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL JANUARY 2002 AS AMENDED.
2. ALL EROSION & SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION, PROPERLY MAINTAINED DURING CONSTRUCTION AND REMAIN IN PLACE UNTIL ALL DISTURBED AREAS HAVE BEEN PROPERLY STABILIZED. AFTER INSTALLATION OF THE INITIALLY PRESCRIBED MEASURES, ADDITIONAL MEASURES MAY BE REQUIRED TO ADDRESS FIELD CONDITIONS AS ORDERED BY THE TOWN OF EAST HAMPTON OR ITS DESIGNATED AGENT(S).
3. THE SMALLEST PRACTICAL AREA OF LAND SHOULD BE EXPOSED. THE EXPOSURE SHOULD BE THE SHORTEST PERIOD OF TIME. WHEN NECESSARY TEMPORARY VEGETATION AND OR MULCHING SHOULD BE USED TO PROTECT EXPOSED AREAS. FINAL VEGETATION SHOULD BE INSTALLED AS SOON AS POSSIBLE. WHEREVER FEASIBLE NATURAL VEGETATION SHOULD BE RETAINED AND PROTECTED.
4. THE STOCKPILING OF BUILDING MATERIALS SHALL BE WITHIN THE AREA OF DISTURBANCE.
5. SEEDBED PREPARATION: FINE GRADE AND RAKE SOIL TO REMOVE ANY STONES LARGER THAN 2 INCHES. INSTALL ANY NEEDED EROSION CONTROL DEVICES SUCH AS SURFACE WATER DIVERSIONS. APPLY LIMESTONE AT A RATE OF TWO TONS PER ACRE OR 90 POUNDS PER 1000 SQUARE FEET. FERTILIZE WITH 10-10-10 AT A RATE OF 11 POUNDS PER 100 SQUARE FEET. WORK LIME AND FERTILIZER INTO THE SOIL TO A DEPTH OF FOUR INCHES.
6. SEED APPLICATION: APPLY SHADE TOLERANT GRASS MIXTURE BY HAND, CYCLONE SEEDER OR HYDROSEEDER. SEEDING SHALL BE DONE BETWEEN APRIL 1 AND JUNE 1 OR BETWEEN AUGUST 15 AND SEPTEMBER 1. IF SEEDING CANNOT BE DONE DURING THESE TIMES, REPEAT MULCHING PROCEDURE UNTIL SEED CAN BE DONE.
7. ESTABLISH PERMANENT VEGETATION USING A SEED MIXTURE OF:
   KENTUCKY BLUEGRASS 20 LBS/ACRE
   CREEPING RED FESCUE 20 LBS/ACRE
   PERENNIAL RYE GRASS 5 LBS/ACRE
   TOTAL 45 LBS/ACRE
   THE RECOMMENDED DATES FOR SEEDING ARE APRIL 1 THROUGH JUNE 1 AND AUGUST 15 THROUGH SEPTEMBER 1.
8. MULCHING: IMMEDIATELY FOLLOWING SEEDING, MULCH THE SEEDED SURFACE WITH STRAW OR HAY AT A RATE OF 1.5 TO 2 TONS PER ACRE. MULCH SHALL BE SPREAD BY HAND OR WITH A MULCH BLOWER. PUNCH MULCH INTO SOIL SURFACE APPROXIMATELY TWO TO THREE INCHES.

SEPTIC SYSTEM INVERTS

① INVERT @ HOUSE - 464.65 MIN.
② INVERT IN @ SEPTIC TANK - 464.00
③ INVERT OUT @ SEPTIC TANK - 463.75
④ D-BOX / FLOWLINE @ UNITS - 463.1
BOTTOM OF UNITS - 462.6
EXISTING GRADE - 463.0
FINISHED GRADE - 464.1

REFERENCE IS MADE TO MAPS TITLED:
"PROPERTY BOUNDARY SURVEY PLAN OF LOT LINE ADJUSTMENT 62BARTON HILL ROAD PREPARED FOR JUSTIN H. DUTTON & NICOLE M. RONCAIOLO EAST HAMPTON, CONNECTICUT DUTTON ASSOCIATES, LLC LAND SURVEYORS AND CIVIL ENGINEERS DATE: 09/27/2015 SCALE 1"=40' SHEET 1 OF 1 A-13-070-LLA-II FILE: 13070-LLA-II.DWG"

"CONNECTICUT STATE HIGHWAY DEPARTMENT RIGHT OF WAY MAP TOWN OF EAST HAMPTON EAST HAMPTON – PORTLAND ROAD FROM BARTON HILL ST. EASTERLY TO NORTH MAIN STREET ROUTE NO. 14" SCALE 1"=40', DATED AUGUST 31, 1932, NUMBER 41-03, SHEET 1 OF 3

"LAND SURVEY FOR EDWARD WOOD JR. TOWN OF EAST HAMPTON, CONNECTICUT", SCALE 1"=20', DATED AUG. 15, 1987, BY RICHARD J. ZIEBRON, EAST HADDAM, CT.

"SUBDIVISION AND SITE PLAN PROPERTY OF EDWARD WOOD JR BARTON HILL ROAD EAST HAMPTON, CONNECTICUT", SCALE 1"=20', DATED 05-10-88, PROJECT 8827, BY R. P. DIMMOCK ASSOCIATES, MARLBOROUGH, CT.

"BOUNDARY SURVEY PREPARED FOR JAMES J. COSTELLO & PATRICIA DIANE MULHOLLAND, BARTON HILL ROAD EAST HAMPTON, CONNECTICUT", SCALE 1"20', DATED JANUARY 8, 1981, REVISED JANUARY 9, 1981, REVISED AUGUST 30, 1983, BY DUTCH & ASSOCIATES, COLCHESTER, CT.

"PROPERTY BOUNDARY SURVEY PLAN OF LOT LINE ADJUSTMENT 62 BARTON HILL ROAD PREPARED FOR JUSTIN H. DUTTON & NICOLE M. RONCAIOLLI EAST HAMPTON, CONNECTICUT", SCALE 1"=-40', DATED 01/11/2014, REVISED 04-25-14 – APPROVAL, MAP NUMBER A-13-070-B, BY DUTTON ASSOCIATES, LLC GLASTONBURY, CT.

"PROPERTY SURVEY WEST HIGH STREET MBL 19-46-14 PREPARED FOR JIM MARINO EAST HAMPTON, CONNECTICUT" SCALE: 1"=20' DATED: 12/01/2022 MAP NO. A-22-295 BY DUTTON ASSOCIATES, LLC GLASTONBURY, CT.

THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON AUGUST 29, 2019.

THE TYPE OF SURVEY PERFORMED IS A PROPERTY SURVEY.

THE BOUNDARY DETERMINATION CATEGORY IS FIRST SURVEY.

THIS SURVEY CONFORMS TO HORIZONTAL ACCURACY CLASS A-2.

THIS MAP WAS PREPARED FOR THE PURPOSE OF BOUNDARY RE-TRACEMENT.

"TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON"

THIS MAP IS NOT VALID UNLESS IT BEARS THE LIVE SIGNATURE AND SEAL OF THE UNDERSIGNED SURVEYOR.

R-1 RURAL RESIDENTIAL; Area & Bulk Requirements (WITHOUT SEWER)

ITEM	REQUIRED	PROVIDED
MIN. LOT AREA	60,000 SF	20,000 SF*
LOT FRONTAGE	100 FT	100 FT
FRONT YARD	50 FT	117 FT
SIDE YARD	25 FT	25' FT
REAR YARD	50 FT	50.5 FT
BUILDABLE AREA	N/A	N/A
MAX. LOT COVERAGE	10%	17.8%
MAX. BUILDING HEIGHT	30 FT	< 30 FT

* PRE-EXISTING NON CONFORMING

PARCEL A

ZONE R-1 (WITHOUT SEWER)
AREA=20,000 S.F.
=0.46 AC.

I have delineated state of Connecticut wetlands and watercourses present on the subject site and have reviewed this plan and it is my opinion that the limits of the wetlands and watercourses depicted hereon are representative of those delineated in the field.

Ian T. Cole
Registered Soil Scientist / Professional Wetland Scientist #2006

Certification is not valid without live signature

RECEIVED
3.22.2023
East Hampton
Land Use Dept.

SCALE IN FEET: 80' 40' 0 40' 80'

DUTTON ASSOCIATES, LLC
LAND SURVEYORS AND CIVIL ENGINEERS
47 EASTERN BOULEVARD
GLASTONBURY, CONNECTICUT 06033
TEL: 860-633-8401 FAX: 860-633-8851
EMAIL: DUTTONLLC@AOL.COM

MARK A. REYNOLDS, P.E. #19789

JAMES W. DUTTON, L.S. #70074

SITE DEVELOPMENT PLAN
WEST HIGH STREET MBL 19-46-14

PREPARED FOR
JIM MARINO
EAST HAMPTON, CONNECTICUT

REVISIONS:
REV. 3-22-23 WETLANDS

DATE: 2/15/2023
SCALE: 1" = 20'
SHEET 1 of 2
A-22-295
FILE: 22-295_SITEPLAN.DWG

SOILS DATA:

T.P. 1 (11/03/22)
0-13" BLACK ORGANIC LAYER/TOPSOIL
13-27" GREY LOAMY SAND
27-90" GREY SANDY LOAM, HARDPAN
NO LEDGE
GROUNDWATER @ 38"
MOTTLING @ 22"
NO ROOTS @ 36"

T.P. 2 (11/03/22)
0-10" TOPSOIL
10-21" BROWN LOAMY SAND
21-72" GREY FINE SANDY LOAM, HARDPAN
NO LEDGE
NO GROUNDWATER
MOTTLING @ 26"
ROOTS @ 40"

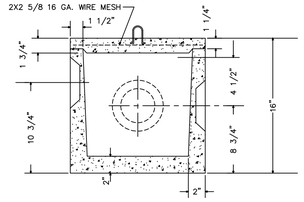
T.P. 3 (11/03/22)
0-23" BLACK ORGANIC LAYER/TOPSOIL
23-48" GREY FINE SANDY LOAM, HARDPAN
NO LEDGE
GROUNDWATER @ 40"
MOTTLING @ 23"
ROOTS @ 23"

T.P. 4 (11/03/22)
0-6" TOPSOIL
6-25" LIGHT BROWN SUBSOIL
25-80" GREYISH F-M SAND, FIRM COMPACT @ 48"
NO LEDGE
NO WATER
MOTTLING @ 32"
ROOTS @ 29"

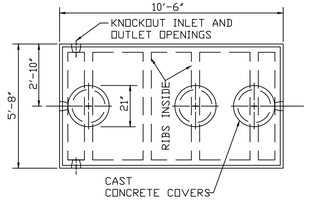
T.P. 5 (11/03/22)
0-6" TOPSOIL
6-22" BROWN FINE SANDY LOAM
22-72" GREY FINE SANDY LOAM, HARDPAN
NO LEDGE
NO GOOUNDWATER
MOTTLING @ 322"
ROOTS @ 22"

MLSS CALC
SLOPE = 7.3%
REST. LAYER = 23" TP 3
HF = 30
FF = 2.0 4 BEDROOMS MULTI FAMILY
PF = 1.25 ASSUME 10-20 PERC
MLSS = 75

ELA NEED 900 SF

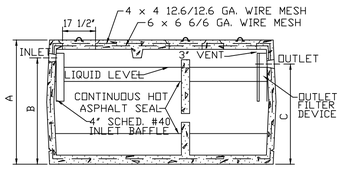


STANDARD D-BOX
NOT TO SCALE



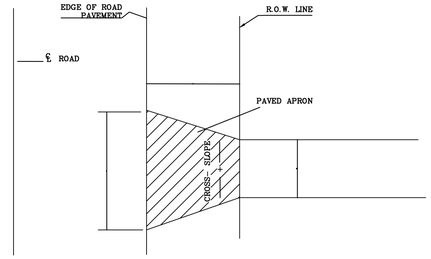
PLAN

CAPACITIES	A	B	C
1250 GAL	61"	51"	48"
1500 GAL	69"	59"	56"

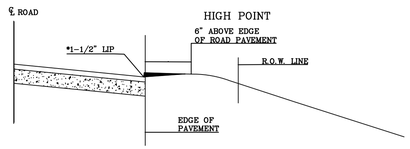


CROSS SECTION

1250/1500 GALLON
2 COMPARTMENT
SEPTIC TANK
NOT TO SCALE



PLAN VIEW



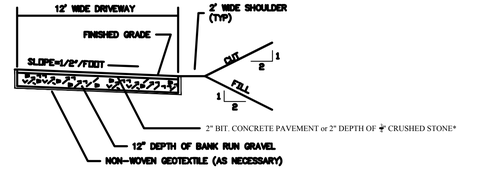
CREST CURVE IN DRIVE

TYPICAL DRIVEWAY ENTRANCE DETAIL

NOT TO SCALE

NOTES:

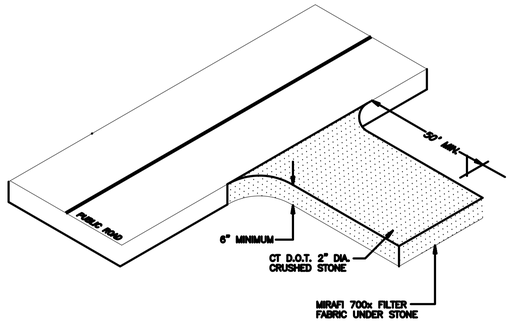
1.) Saw cut irregular pavement edge to match drive apron.
*2.) Provided 1–1/2 inch lip only edge on aprons that abut roads that are curbed.
3.) Driveways must be greater than or equal to 12'.
4.) Driveway aprons must be no greater than 30'.
5.) The first 30' of all driveways may not exceed a grade of 3%.
6.) Any driveway that exceeds a grade of 10% must be paved.



* NOTE: 2" BIT. CONCRETE PAVEMENT REQUIRED WHERE SLOPE EXCEEEDS 10%

DRIVEWAY INSTALLATION DETAIL

NOT TO SCALE



CONSTRUCTION ENTRANCE

NOT TO SCALE

DESIGN NOTES:

1. ALL CONSTRUCTION TO CONFORM TO STANDARDS OF THE CONNECTICUT PUBLIC HEALTH CODE AND TO THE SATISFACTION OF THE TOWN SANITARIAN.
2. PERCOLATION RATE FOR DESIGN: 10.0 - 20 min./inch (ASSUMED)
   DEPTH TO RESTRICTIVE LAYER: 23"
3. REQUIRED LEACHING AREA FOR 4 BEDROOM DUPLEX BUILDING = 900 SF ELA
4. DESIGN: USE 80 LF OF MANTIS DOUBLE WIDE 58
   ELA PROVIDED = 11.6 SF/LF x 80 LF = 928 SF ELA
5. THIS SYSTEM HAS NOT BEEN DESIGNED FOR THE USE OF LARGE CAPACITY (+100 GALLONS), DISCHARGE TYPE BATHTUBS. RESIDENTIAL GARBAGE DISPOSALS ARE NOT ANTICIPATED FOR THIS DESIGN. IN THE EVENT THAT SUCH AN INSTALLATION IS CONTEMPLATED FOR THE PROPOSED HOUSE, A LARGER SEPTIC TANK AND INCREASED LEACHING FIELD CAPACITY WILL BE REQUIRED.
6. THE DESIGN SHOWN HEREON CONFORMS TO ALL APPLICABLE STATE AND LOCAL HEALTH CODE REQUIREMENTS AND TO GOOD ENGINEERING PRACTICE. I CAN NOT GUARANTEE AGAINST FAILURE DUE TO IMPROPER INSTALLATION, IMPROPER MAINTENANCE OR TO NATURAL PHENOMENA BEYOND THE SCOPE OF NORMAL FIELD INVESTIGATION.

SEPTIC SYSTEM CONSTRUCTION NOTES:

1. CONSTRUCTION SEQUENCE
   A. STRIP & STOCKPILE TOPSOIL FROM LEACHING AREA.
   B. CONSTRUCT LEACHING UNITS TO DESIGN LINE & GRADE.
   D. LOAM, FINE GRADE TO FINISHED GRADE AND SEED. PROTECT DISTURBED AREAS WITH EROSION CONTROLS UNTIL FIRST MOWING.
2. THE PIPE BETWEEN THE HOUSE AND SEPTIC TANK SHALL BE 4 IN. EXTRA HEAVY CAST IRON, DUCTILE IRON OR EXTRA STRENGTH PVC ASTM D1785 SCHD 40 OR APPROVED EQUAL.
3. ALL DISTRIBUTION PIPE IS TO BE ASTM D3034 SDR 35 (4"PVC) OR APPROVED EQUAL UNLESS NOTED.
4. SEPTIC TANK SHALL BE SET LEVEL ON A MINIMUM OF 6" OF PROCESSED GRAVEL OR BROKEN STONE ON COMPACTED SUBGRADE.
5. THERE ARE NO APPARENT WELLS OR SEPTIC FIELDS WITHIN 75' OF THE PROPOSED WELL AND SEPTIC SYSTEM AS SHOWN ON THIS PLAN.
6. APPROVED STONE AGGREGATE FOR LEACHING TRENCHES SHALL BROKEN STONE, CRUSHED STONE, OR SCREENED GRAVEL MEETING CT DOT FROM 814A SPECIFICATION FOR M.01.01 FOR NO. 4 STONE:

SIEVE SIZE	PERCENT PASSING (BY WEIGHT)
2-INCH	100
1-1/2-INCH	90-100
1-INCH	20-55
3/4-INCH	0-10
3/8-INCH	0-5
#40	0-3
#200	0-1.5

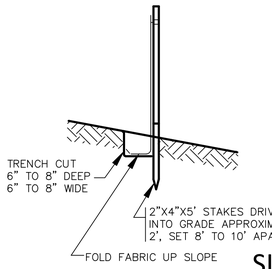
7. THE DEPTH OF THE LEACHING UNITS SHALL NOT EXCEED 5" INTO ORIGINAL GRADE.
8. THE LOCATION AND ELEVATION OF THE PROPOSED SEPTIC SYSTEM SHALL BE STAKED IN THE FIELD BY A LICENSED LAND SURVEYOR. BENCHMARK TO BE SET IN THE VICINITY OF THE LEACH FIELD AT THE TIME OF STAKEOUT.

LEACHING SYSTEM CONSTRUCTION NOTES:

1. TOPSOIL TO BE STRIPPED OFF PRIOR TO FILLING. FILL MATERIAL BETWEEN AND BEYOND TRENCHES TO BE PERVIOUS, GOOD QUALITY AND CLEAN MEDIUM SAND (SELECT FILL) PLACED AND COMPACTED IN 6" LIFTS. SELECT FILL SHALL MEET THE FOLLOWING MINIMUM REQUIREMENTS:
   A. THE FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN 3 INCHES.
   B. THE FILL SHALL NOT CONTAIN MORE THAN 45 PERCENT GRAVEL (GRAVEL IS BETWEEN NO. 4 & 3" SIEVES) NO MORE THAN 45 PERCENT OF THE MATERIAL CAN BE RETAINED ON THE NO. 4 SIEVE.
   C. THE FILL LESS THE GRAVEL SHALL MEET THE FOLLOWING GRADATION CRITERIA:

SIEVE SIZE:	#4	#10	#40	#100	#200
% PASSING: WET SEIVE	100	70-100	**10-50	0-20	0-5
% PASSING: DRY SEIVE	100	70-100	10-75	0-5	0-2.5

   ** 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%.
2. DOCUMENTATION OF TEST RESULTS ARE TO BE PROVIDED TO THE HEALTH DISTRICT.
3. FILL MATERIAL TO BE PLACED PRIOR TO TRENCH EXCAVATION. NO TRAFFIC OTHER THAN TRACK-DRIVEN EQUIPMENT IS TO CROSS, DUMP, UNLOAD OR OTHERWISE COMPACT THE FILL AREA AFTER TOPSOIL REMOVAL. FILL MATERIAL TO BE DUMPED AT THE EDGE OF THE STRIPPED AREA AND SPREAD AND COMPACTED WITH TRACK-DRIVEN VEHICLES. STOCKPILING IS TO TAKE PLACE UPGRADIENT OF THE LEACHING AREA. THE AREA DOWN GRADIENT OF THE LEACHING AREA IS NOT TO BE DISTURBED.

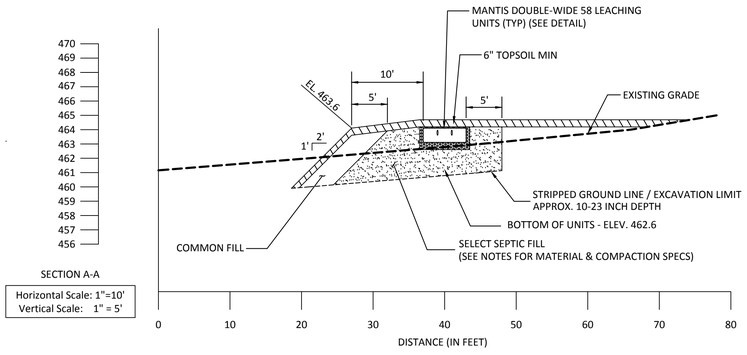


NOTES:

1. SEDIMENT CONTROL FABRIC TO BE A WOVEN POLYPROPYLENE MATERIAL TREATED TO RESIST DEGRADATION FROM EXPOSED SUNLIGHT.
2. ACCEPTABLE SILT SCREEN FABRIC– "PROPEX SILT STOP" BY AMOCO FABRICS CO.
3. AFTER FOLDING FABRIC EDGE, BACKFILL TRENCH WITH ORIGINAL SOIL.

SILT FENCE INSTALLATION

NOT TO SCALE

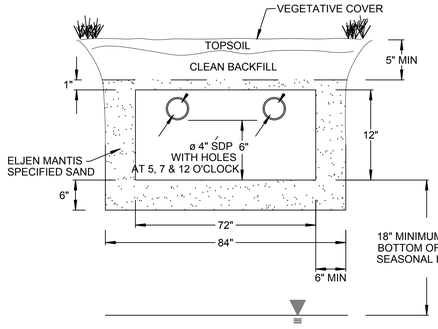


SECTION A-A

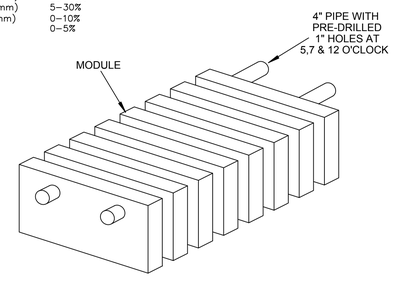
Horizontal Scale: 1"=10'
Vertical Scale: 1" = 5'

MANTIS SPECIFIED SAND

SIEVE SIZE	PERCENT PASSING
3/8" (9.5mm)	100%
NO. 4 (4.75mm)	95–100%
NO. 8 (2.36mm)	80–100%
NO. 16 (1.18mm)	50–85%
NO. 30 (0.600mm)	25–60%
NO. 50 (0.300mm)	5–30%
NO. 100 (0.15mm)	0–10%
NO. 200	0–5%



NOTE: VENTING REQUIRED WHEN MORE THAN 18" OF COVER AS MEASURED FROM THE TOP OF THE UNIT TO FINISHED GRADE



MANTIS DOUBLE WIDE 58 LEACHING UNIT DETAIL

(NOT TO SCALE)

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SITE DEVELOPMENT PLAN
WEST HIGH STREET MBL 19–46–14
PREPARED FOR
JIM MARINO
EAST HAMPTON, CONNECTICUT

REVISIONS:
REV. 3–22–23 WETLANDS

DATE: 2/15/2023
SCALE: AS NOTED
SHEET 2 of 2
A–22–295
FILE: 22–295_SITEPLAN.DWG