

SANITARY SYSTEM DESIGN

NUMBER OF BEDROOMS	4
PERCOLATION RATE	10 MIN./IN.
ABSORPTION AREA REQUIRED	577.50 S.F. (MIN.)
USE 4' WIDE TRENCHES	192.5 L.F. REQ'D
USE 3 TRENCHES @	65.0 L.F. EACH
SEPTIC TANK CAPACITY	1,500 GALL.

SEPTIC TANK CAPACITY INCREASED BY 250 GALLONS GARBAGE DISPOSAL TO BE INSTALLED.

SEPTIC TANK CAPACITY SHALL BE INCREASED IF A LARGE CAPACITY TUB IS TO BE INSTALLED. FOR TUBS 100-200 GALLONS TANK SIZE WILL BE INCREASED BY 250 GALLONS. TUBS OVER 200 GALLONS WILL REQUIRE A 500 GALLON INCREASE IN TANK SIZE.

RISERS WILL BE REQUIRED ON SEPTIC TANK.

BENCHMARK TO BE SET IN AREA OF SEPTIC SYSTEM AT TIME OF STAKE OUT.

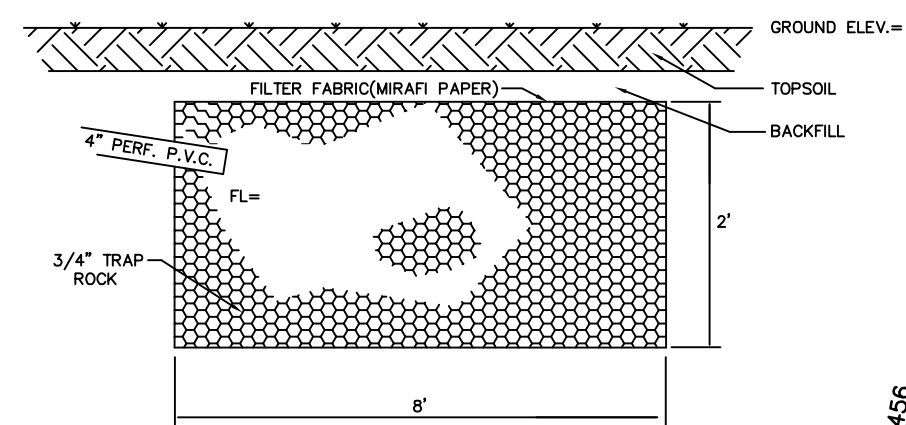
NOTES:

THE LEACHING AREA IS TO BE STRIPPED OF ALL UNSUITABLE SOILS AND FILLED WITH CLEAN SAND, LAID IN 8"-12" INCH LIFTS. FILL TO BE MECHANICALLY COMPACTED TO 90% MAXIMUM DENSITY. A MINIMUM SEPARATION DISTANCE OF 24" BETWEEN THE MOTTLING LAYER AND BOTTOM OF THE LEACHING AREA MUST BE MAINTAINED.

INSTALLATION OF ALL SEWAGE DISPOSAL SYSTEMS SHALL NOT OCCUR DURING WET WEATHER TO AVOID SOIL SMEARING.

FILLING OF STRIPPED AREAS SHALL NOT BE PERMITTED WHILE SMEARING OF THE SOILS OCCURS, ALL SMEARED SURFACES SHALL BE RAKED OR PLOWED PRIOR TO ANY FILLING AND AS DIRECTED BY THE TOWN HEALTH DEPARTMENT.

* NOTE: FOOTING DRAINS MAY BE REQUIRED IF SOIL CONDITIONS WARRANT. INSPECT AND DETERMINE NEED AT THE TIME OF FOOTING PLACEMENT. IF REQUIRED AND OUTLET INTO A DRYWELL. RIP RAP OUTLET OR STREET STORM DRAINAGE SYSTEM CANNOT BE ACHIEVED BY GRAVITY A SUMP PUMP WILL BE REQUIRED.



MLSS CALCULATION

SLOPE: 8.5%
 RESTRICTIVE LAYER: 2.3'(R.S. 27.6')
 BEDROOMS: 4
 PERC. RATE: 10.0 MIN./IN.
 (HF)26 x (FF)1.75 x (PF)1 = 45.5 L.F.

PERC. INFO.

LOT #	PERC #	DATE	RATE
2	PERC-1P	9-20-18	10 MIN./IN.
2	PERC-1R	9-20-18	10 MIN./IN.

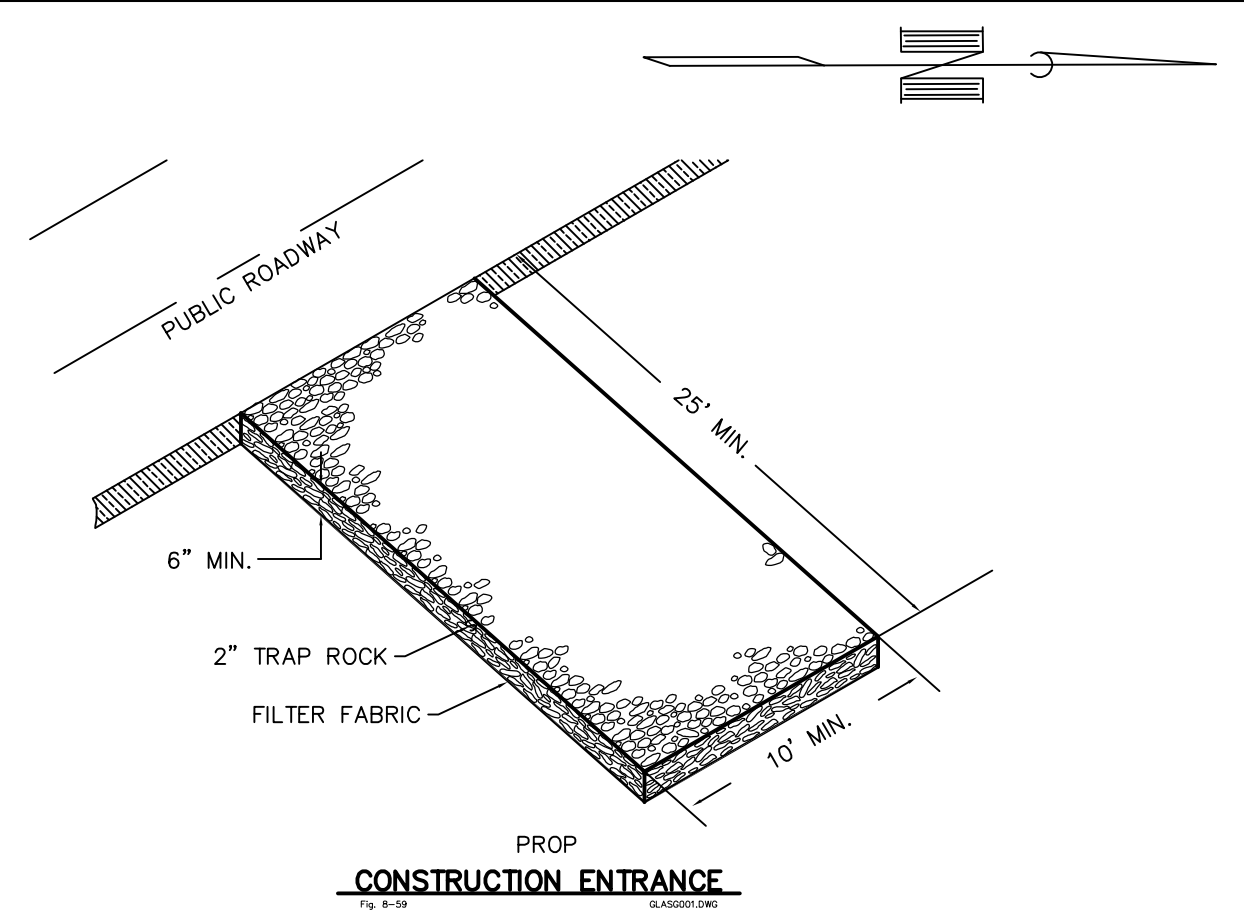
SOILS DATA

LOT # 2
 TEST PIT # 1
 DATE: 9-20-18
 DEPTH: 8.3'
 GROUNDWATER: NONE
 MOTTLING: 2.3'
 LEDGE: -
 MATERIAL: 0-4" TOPSOIL LIGHT BROWN SILTY FINE SANDY LOAM
 4"-2.1" COMPACT GREYISH BROWN FINE SAND, GRAVEL, COBBLES, BOULDERS
 2.1'-8.3' *BROKEN MATERIAL-ROUGH EDGES*

LOT # 2
 TEST PIT # 4
 DATE: 9-20-18
 DEPTH: 8.5'
 GROUNDWATER: NONE
 MOTTLING: 2.7'
 LEDGE: -
 MATERIAL: 0-4" TOPSOIL LIGHT BROWN SILTY FINE SANDY LOAM
 4"-2.1" COMPACT GREYISH BROWN FINE SAND, GRAVEL, COBBLES, BOULDERS
 2.1'-8.5' *BROKEN MATERIAL-ROUGH EDGES*

LOT # 2
 TEST PIT # 3
 DATE: 9-20-18
 DEPTH: 7.8'
 GROUNDWATER: 7.0'
 MOTTLING: 2.8'
 LEDGE: -
 MATERIAL: 0-4" TOPSOIL LIGHT BROWN FINE SANDY LOAM
 4"-2.8' COMPACT GREYISH BROWN FINE SAND, GRAVEL, COBBLES, BOULDERS
 2.8'-7.8' *BROKEN MATERIAL-ROUGH EDGES*

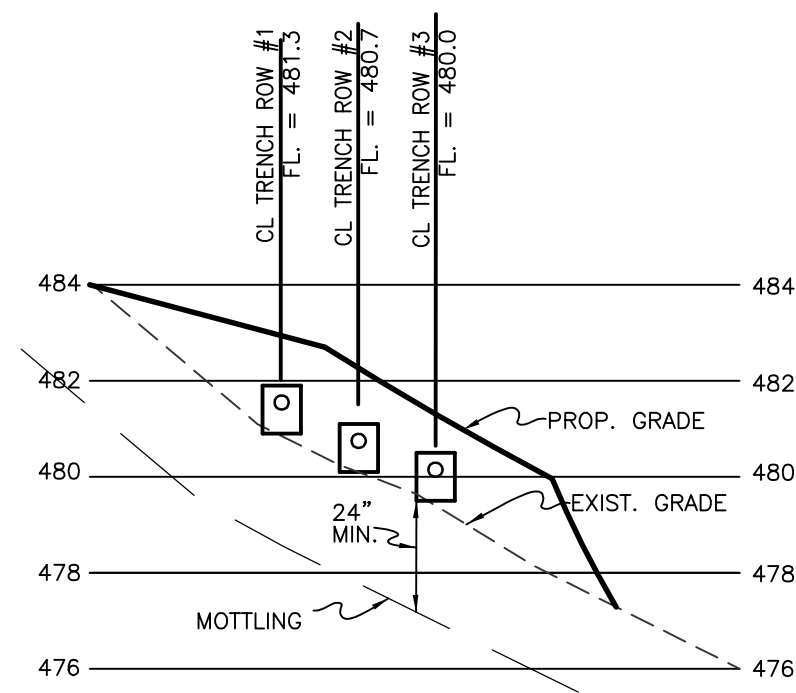
LOT # 2
 TEST PIT # 2
 DATE: 9-20-18
 DEPTH: 7.0'
 GROUNDWATER: NONE
 MOTTLING: 2.8'
 LEDGE: -
 MATERIAL: 0-.5" TOPSOIL LIGHT BROWN SILTY FINE SANDY LOAM
 .4"-2.4" LIGHT BROWN FINE SANDY LOAM
 2.4'-3.0' GREYISH BROWN FINE SAND
 3.0'-7.0' COMPACT GREYISH BROWN FINE SAND, GRAVEL, COBBLES, BOULDERS
 BROKEN MATERIAL-ROUGH EDGES



EXISTING SANITARY SYSTEM ELEVATIONS

DISTRIBUTION BOX #2	= 480.69	DISTRIBUTION BOX #3	= 479.94
FL 4" PVC IN	= 480.71	FL 4" PVC IN	= 479.94
FL 4" PVC TR2 OUT	= 480.90	FL 4" PVC TR3 OUT	= 479.99
FL 4" PVC OUT	= 480.90		

DISTRIBUTION BOX #1	= 481.29	TOP 4" PVC S. END TR.#1	= 481.61
FL 4" PVC IN	= 481.29	TOP 4" PVC S. END TR.#2	= 481.06
FL 4" PVC TR1 OUT	= 481.29	TOP 4" PVC S. END TR.#3	= 480.35
FL 4" PVC OVERFLOW OUT	= 481.46		



CROSS SECTION A-A

SCALE: HORIZ. 1"=20'
 VERT. 1"=4'

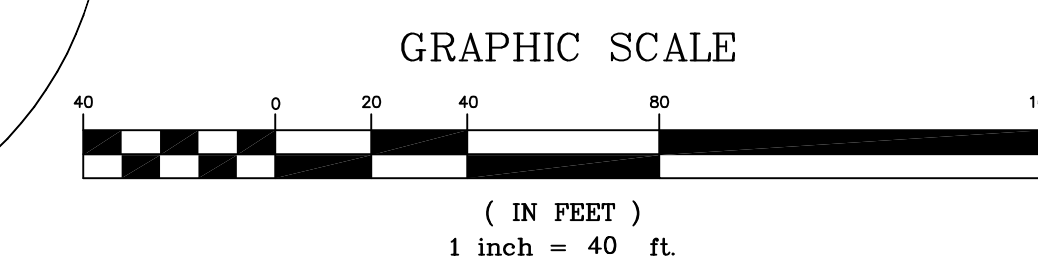
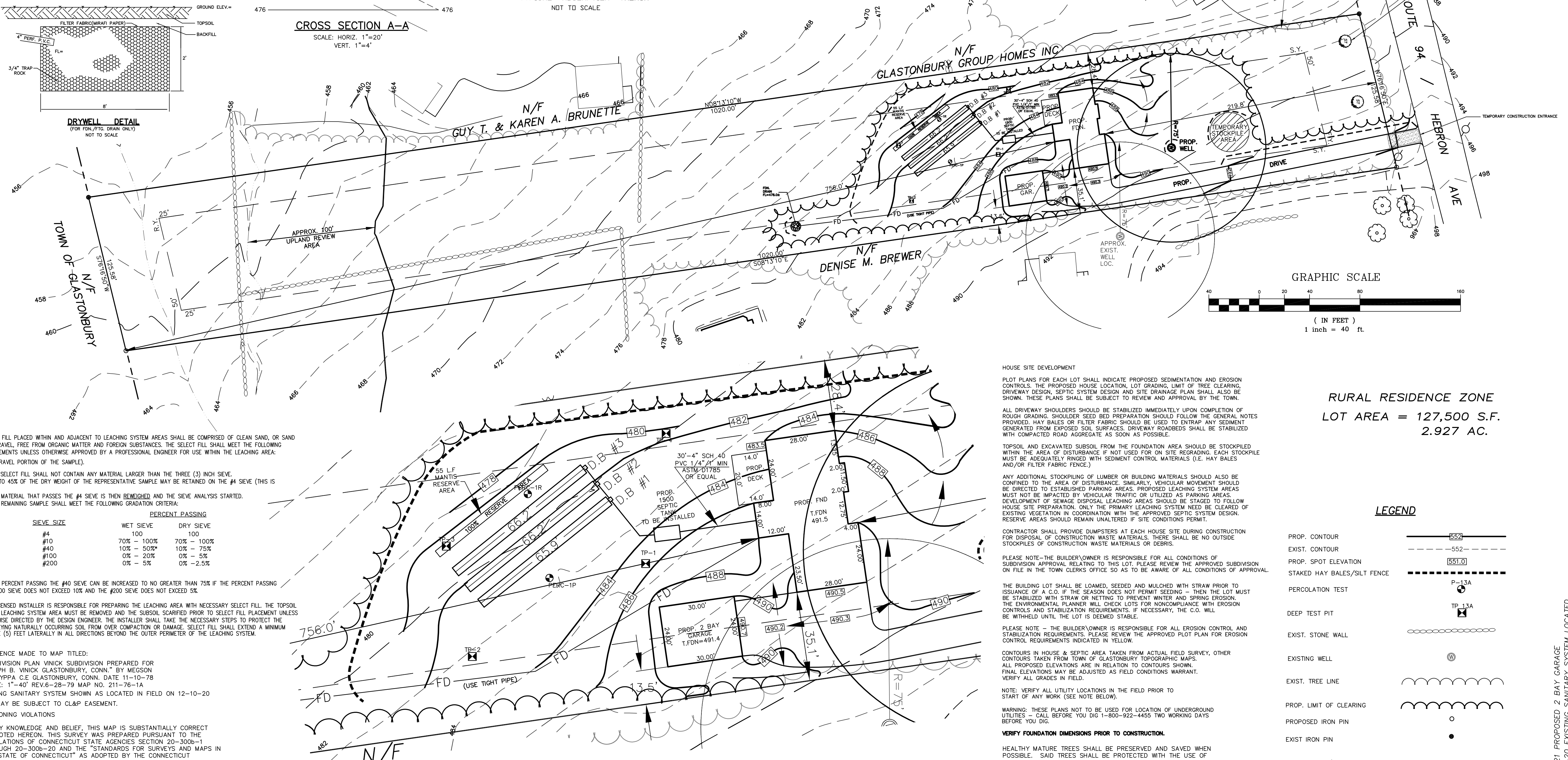
TYPICAL ABSORPTION TRENCH

NOT TO SCALE



DRYWELL DETAIL

(FOR FIN./F.T.D. DRAIN ONLY)
 NOT TO SCALE



GRAPHIC SCALE

(IN FEET)
 1 inch = 40 ft.

HOUSE SITE DEVELOPMENT

PLOT PLANS FOR EACH LOT SHALL INDICATE PROPOSED SEDIMENTATION AND EROSION CONTROLS. THE PROPOSED HOUSE LOCATION, LOT GRADING, LIMIT OF TREE CLEARING, DRIVEWAY DESIGN, SEPTIC SYSTEM DESIGN AND SITE DRAINAGE PLAN SHALL ALSO BE SHOWN. THESE PLANS SHALL BE SUBJECT TO REVIEW AND APPROVAL BY THE TOWN.

ALL DRIVEWAY SHOULDERS SHOULD BE STABILIZED IMMEDIATELY UPON COMPLETION OF ROUGH GRADING. SHOULDER SEED BED PREPARATION SHOULD FOLLOW THE GENERAL NOTES PROVIDED. HAY BALES OR FILTER FABRIC SHOULD BE USED TO ENTRAP ANY SEDIMENT GENERATED FROM EXPOSED SOIL SURFACES. DRIVEWAY ROADBEDS SHALL BE STABILIZED WITH COMPACTED ROAD AGGREGATE AS SOON AS POSSIBLE.

TOPSOIL AND EXCAVATED SUBSOIL FROM THE FOUNDATION AREA SHOULD BE STOCKPILED WITHIN THE AREA OF DISTURBANCE IF NOT USED FOR ON SITE REGRADEING. EACH STOCKPILE MUST BE ADEQUATELY RINGED WITH SEDIMENT CONTROL MATERIALS (I.E. HAY BALES AND/OR FILTER FABRIC FENCE).

ANY ADDITIONAL STOCKPIILING OF LUMBER OR BUILDING MATERIALS SHOULD ALSO BE CONFINED TO THE AREA OF DISTURBANCE. SIMILARLY, VEHICULAR MOVEMENT SHOULD BE DIRECTED TO ESTABLISHED PARKING AREAS. PROPOSED LEACHING SYSTEM AREAS MUST NOT BE IMPACTED BY VEHICULAR TRAFFIC OR UTILIZED AS PARKING AREAS.

DEVELOPMENT OF SEWAGE DISPOSAL LEACHING AREAS SHOULD BE STAGED TO FOLLOW HOUSE SITE PREPARATION. ONLY THE PRIMARY LEACHING SYSTEM NEED BE CLEARED OF EXISTING VEGETATION IN COORDINATION WITH THE APPROVED SEPTIC SYSTEM DESIGN. RESERVE AREAS SHOULD REMAIN UNALTERED IF SITE CONDITIONS PERMIT.

CONTRACTOR SHALL PROVIDE DUMPSTERS AT EACH HOUSE SITE DURING CONSTRUCTION FOR DISPOSAL OF CONSTRUCTION WASTE MATERIALS. THERE SHALL BE NO OUTSIDE STOCKPILES OF CONSTRUCTION WASTE MATERIALS OR DEBRIS.

PLEASE NOTE - THE BUILDER/OWNER IS RESPONSIBLE FOR ALL CONDITIONS OF SUBDIVISION APPROVAL RELATING TO THIS LOT. PLEASE REVIEW THE APPROVED SUBDIVISION ON FILE IN THE TOWN CLERK'S OFFICE SO AS TO BE AWARE OF ALL CONDITIONS OF APPROVAL.

THE BUILDING LOT SHALL BE LOAMED, SEEDED AND MULCHED WITH STRAW PRIOR TO ISSUANCE OF A C.O. IF THE SEASON DOES NOT PERMIT SEEDING - THEN THE LOT MUST BE STABILIZED WITH STRAW OR NETTING TO PREVENT WINTER AND SPRING EROSION. THE ENVIRONMENTAL PLANNER WILL CHECK LOTS FOR NONCOMPLIANCE WITH EROSION CONTROLS AND STABILIZATION REQUIREMENTS. IF NECESSARY, THE C.O. WILL BE WITHHELD UNTIL THE LOT IS DEEMED STABLE.

PLEASE NOTE - THE BUILDER/OWNER IS RESPONSIBLE FOR ALL EROSION CONTROL AND STABILIZATION REQUIREMENTS. PLEASE REVIEW THE APPROVED PLOT PLAN FOR EROSION CONTROL REQUIREMENTS INDICATED IN YELLOW.

CONTOURS IN HOUSE & SEPTIC AREA TAKEN FROM ACTUAL FIELD SURVEY. OTHER CONTOURS TAKEN FROM TOWN OF GLASTONBURY TOPOGRAPHIC MAPS. ALL PROPOSED ELEVATIONS ARE IN RELATION TO CONTOURS SHOWN. FINAL ELEVATIONS MAY BE ADJUSTED AS FIELD CONDITIONS WARRANT. VERIFY ALL GRADES IN FIELD.

NOTE: VERIFY ALL UTILITY LOCATIONS IN THE FIELD PRIOR TO START OF ANY WORK (SEE NOTE BELOW).
 WARNING: THESE PLANS NOT TO BE USED FOR LOCATION OF UNDERGROUND UTILITIES - CALL BEFORE YOU DIG 1-800-922-4455 TWO WORKING DAYS BEFORE YOU DIG.

VERIFY FOUNDATION DIMENSIONS PRIOR TO CONSTRUCTION.
 HEALTHY MATURE TREES SHALL BE PRESERVED AND SAVED WHEN POSSIBLE. SAID TREES SHALL BE PROTECTED WITH THE USE OF HIGH VISIBILITY CONSTRUCTION FENCE DURING CONSTRUCTION OF OTHERWISE PROTECTED AS REQUIRED BY STAFF.

RURAL RESIDENCE ZONE

LOT AREA = 127,500 S.F.
 2.927 AC.

LEGEND

- PROP. CONTOUR
- EXIST. CONTOUR
- PROP. SPOT ELEVATION
- STAKED HAY BALES/SILT FENCE
- PERCOLATION TEST
- DEEP TEST PIT
- EXIST. STONE WALL
- EXISTING WELL
- EXIST. TREE LINE
- PROP. LIMIT OF CLEARING
- PROPOSED IRON PIN
- EXIST IRON PIN

OWNER/BUILDER:
 ADMIRAL CARPENTRY, LLC.
 CONTACT JUSTIN WILLIAMS
 12 DANIEL DRIVE
 COLCHESTER, CONN. 06415
 (860) 916-6608

HOUSE & SEPTIC AREA

SCALE 1"=20'

SELECT FILL PLACED WITHIN AND ADJACENT TO LEACHING SYSTEM AREAS SHALL BE COMPRISED OF CLEAN SAND, OR SAND AND GRAVEL, FREE FROM ORGANIC MATTER AND FOREIGN SUBSTANCES. THE SELECT FILL SHALL MEET THE FOLLOWING REQUIREMENTS UNLESS OTHERWISE APPROVED BY A PROFESSIONAL ENGINEER FOR USE WITHIN THE LEACHING AREA: THE GRAVEL PORTION OF THE SAMPLE).

- THE SELECT FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THE THREE (3) INCH SIEVE.
- 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 STARTED.
- THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA:

SIEVE SIZE	PERCENT PASSING	
	WET SIEVE	DRY SIEVE
#4	100	100
#10	70% - 100%	70% - 100%
#40	10% - 50%	10% - 75%
#100	0% - 20%	0% - 5%
#200	0% - 5%	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 LICENSED INSTALLER IS RESPONSIBLE FOR PREPARING THE LEACHING AREA WITH NECESSARY SELECT FILL. THE TOPSOIL IN THE LEACHING SYSTEM AREA MUST BE REMOVED AND THE SUBSOIL SCARIFIED PRIOR TO SELECT FILL PLACEMENT UNLESS OTHERWISE DIRECTED BY THE DESIGN ENGINEER. THE INSTALLER SHALL TAKE THE NECESSARY STEPS TO PROTECT THE UNDERLYING NATURALLY OCCURRING SOIL FROM OVER COMPACTION OR DAMAGE. SELECT FILL SHALL EXTEND A MINIMUM OF FIVE (5) FEET LATERALLY IN ALL DIRECTIONS BEYOND THE OUTER PERIMETER OF THE LEACHING SYSTEM.

REFERENCE MADE TO MAP TITLED:
 "SUBDIVISION PLAN VINICK SUBDIVISION PREPARED FOR JOSEPH B. VINICK GLASTONBURY, CONN." BY MEGSON & HYPPA C.E. GLASTONBURY, CONN. DATE 11-10-78
 SCALE: 1"=40' REV.6-28-79 MAP NO. 211-76-1A
 EXISTING SANITARY SYSTEM SHOWN AS LOCATED IN FIELD ON 12-10-20
 LOT MAY BE SUBJECT TO CL&P EASEMENT.
 NO ZONING VIOLATIONS

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON. THIS SURVEY WAS PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTION 20-300b-1 THROUGH 20-300b-20 AND THE STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC., ON SEPTEMBER 26, 1996.
 TYPE OF SURVEY: ZONING LOCATION SURVEY
 BOUNDARY DETERMINATION CATEGORY: RESURVEY

MEGSON, HEAGLE & FRIEND
 CIVIL ENGINEERS & LAND SURVEYORS, LLC
 81 RANKIN ROAD
 GLASTONBURY, CONN. 06033
 PHONE (860)-659-0587

LOT #2/HO. #2726
 CT ROUTE 94 / HEBRON AVE
 PREPARED FOR
 JUSTIN WILLIAMS
 GLASTONBURY, CONN.

CK. BY: JHS
 DRW. BY: RSS
 DATE: 6-19-20
 SCALE: AS SHOWN
 SHEET 1 OF 1
 MAP NO. 45-20-1

I HEREBY DECLARE TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THIS PLAN IS SUBSTANTIALLY CORRECT.
 JONATHAN H. SZCUREK P.E. # 26858

REV. 2-16-21 PROPOSED 2 BAY GARAGE
 REV. 12-10-20 EXISTING SANITARY SYSTEM LOCATED
 REV. 8-10-20 PROPOSED DECK ADDED

#4

ZONING BOARD OF APPEALS APPLICATION

REFERRED TO TP&Z _____

Applicant Justin Williams
Street 12 Daniel Drive Town Colchester, CT 06415
Telephone 860-916-6608
Legal Representative (if any)
Address

Date Filed & Fee Paid
Date Hearing Scheduled
Sign Deposit Paid On
Will Post Own
Sign Taken On
Sign Inspected on Site

Exact Location of Property Involved 2726 Hebron Avenue Rural Residence
Assessor's Key # L6/2920/50102F Street# Street Zone
Legal Property Owner Admiral Carpentry, LLC c/o Justin Williams

Under the provisions of Section 8-7, Connecticut General Statutes, the undersigned hereby appeals:

- 1. For relief (a variance) from the restrictions imposed in Section(s) of the Glastonbury Zoning Regulations.
2. For a special exception as provided in Section 7.1b.2b.1 of the Glastonbury Zoning Regulations.
3. From an adverse ruling by the Building Official, Glastonbury.
4. For the approval required by the State of Connecticut agency named below.

Describe in detail (in space provided on page 2 or on a separate sheet) what it is you want to do. State why this violates the Section(s) of the Glastonbury Zoning Regulations cited above.

We/I hereby depose and say that all the above statements contained in any papers submitted herewith are true to the best of my knowledge and belief.

Justin Williams (Signature)

Owner, If Not Applicant (Required)

Date

Date

SEE PERTINENT INFORMATION ON NEXT PAGE

Include TEN (10) copies of everything submitted including the application and a map of the property involved. Locate all structures thereon and their relation to buildings on adjacent property and to the highway with approximate distances therefrom. Floor plans of buildings which you desire to erect or to alter must be provided in sufficient detail to make intelligent presentation of your plans. Also, include ten (10) copies of all supporting documentation.

FILING FEE OF \$185.00 tendered herewith. Applicants whose cases come under Section 14-55, 14-322, Connecticut General Statutes will be charged an additional fee to pay the cost of publication and the expenses of the public hearing.

DESCRIPTION IN DETAIL:

The proposal is to construct a 3,000 s.f. house with an attached two car garage on the east end of the house, and a detached two car garage approximately 25' south of the house, and approximately 5.5 feet off the east property line of a 2.97 acre building lot on Hebron Avenue.

A Special Exception as provided in Section 7.1b.2b.1 is requested to allow a fourth garage bay as the house will be less than 4,500 s.f. The proposal meets the requirements of Section 13.9.

Ten copies of this Application and all supporting documentation are required