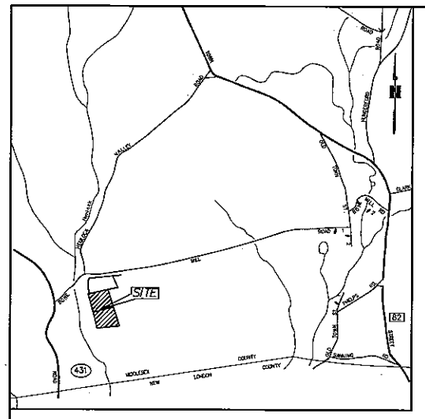
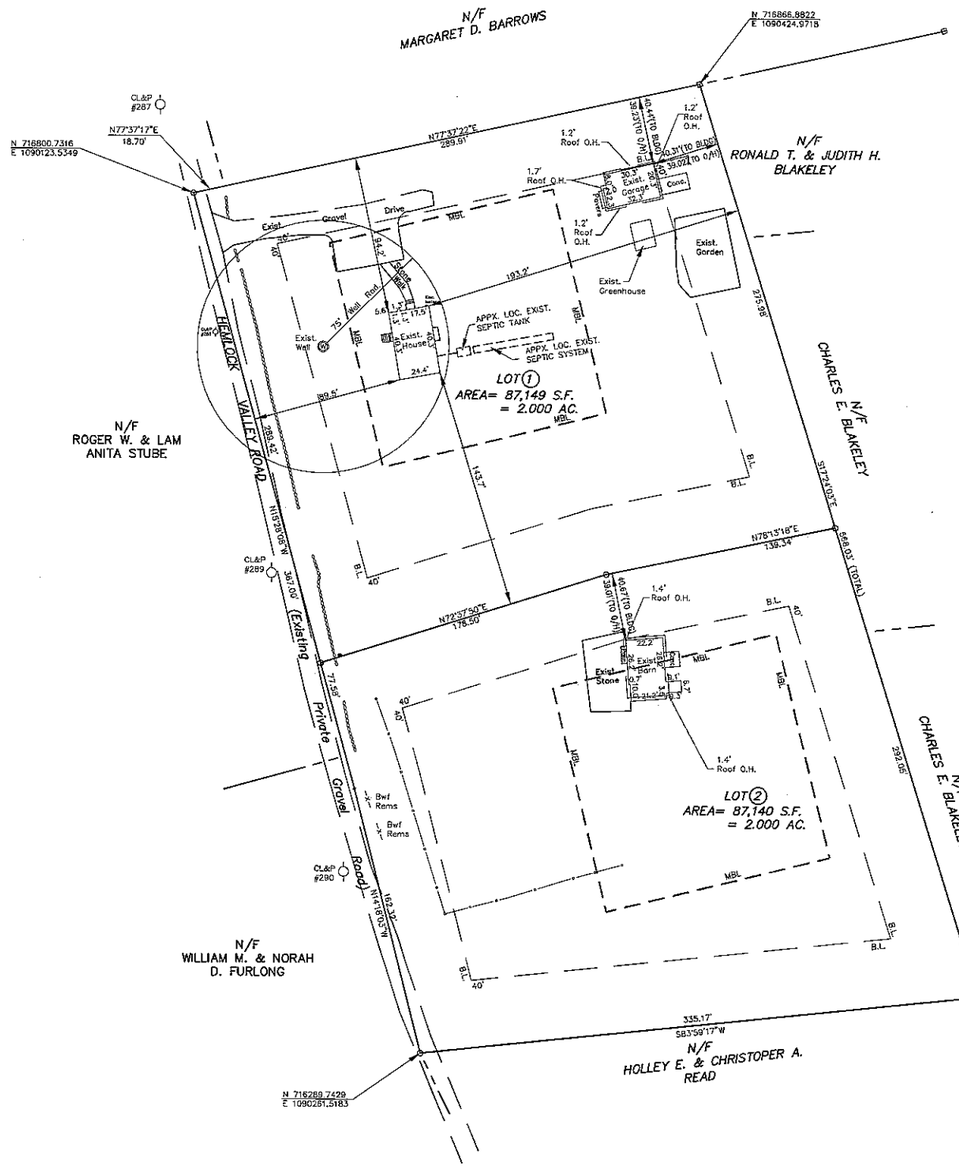


SITE LOCATION MAP
SCALE: 1"=1,000'



NOTE: HEMLOCK VALLEY ROAD, A/K/A HEMLOCK VALLEY ROAD EXTENSION, WAS VOTED TO BE ABANDONED AND DISCONTINUED AT A SPECIAL TOWN MEETING JUNE 15, 1972. MAY BE SUBJECT TO RIGHTS OF WAY IN FAVOR OF OTHERS.

PROPERTY DOES NOT CONTAIN ANY 100 YEAR FLOOD PLAIN AS SHOWN ON FEMA FLOOD MAP 09007C0256G EFFECTIVE DATE: 8/28/2008.

PROPERTY DOES NOT CONTAIN ANY WETLAND SOILS PER NRCS SOIL SURVEY.

BEARINGS AND COORDINATES REFER TO THE NAD 83 COORDINATE SYSTEM.

THE SUBDIVISION REGULATIONS OF THE TOWN OF EAST HADDAM TOWN PLAN & ZONING COMMISSION ARE A PART OF THIS PLAN AND APPROVAL OF THIS PLAN IS CONTINGENT ON COMPLIANCE WITH ALL REQUIREMENTS OF SAID SUBDIVISION REGULATIONS.

ABBUTTING PROPERTIES ARE ZONED R-2

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.

REFERENCE MADE TO MAP TITLED:

"LAND TO BE CONVEYED BY: ELSIE B. LEATHERBEE TO: JUDITH LEATHERBEE BLAKELY HEMLOCK VALLEY RD. OFF BONE MILL ROAD EAST HADDAM, CT. SCALE: 1"=80' DATE: 21 SEP 1976 BY PAUL KAYE L.S. HADDAM, CT."

"RECORD RE-SUBDIVISION MAP PROPERTY OF RONALD & JUDITH BLAKELY 30 BONE MILL ROAD EAST HADDAM, CT ALSO KNOWN AS LOT 16-2B OF TAX MAP 2" BY LOORAM ENGINEERING 101 HEMLOCK VALLEY ROAD EAST HADDAM CT 06423 DATE: 4-8-02 REV. 8-14-02 SCALE: 1"=50' JOB 4228

"SITE MAP FOR MCHUGH AND NOTEWORTHY FUNDING CORPORATION TOWN OF EAST HADDAM, CONNECTICUT VOL. 337, PG 231 – VOL 359, PG. 222" BY RICHARD J. ZIOBRON EAST HADDAM, CT DATE: OCTOBER 13, 1996 SCALE: 1"=40' REV. OCT. 26, 1997

THIS MAP IS NOT VALID IF MODIFIED IN ANY WAY AND/OR DOES NOT BEAR THE EMBOSSED SEAL OF THE UNDERSIGNED.

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 AND SUGGESTED METHODS AND PROCEDURES FOR SURVEYS AND MAPS IN THE THE STATE OF CONNECTICUT" REVISED OCTOBER 26, 2018 AND AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON AUGUST 29, 2019.

TYPE OF SURVEY: ZONING LOCATION SURVEY
BOUNDARY DETERMINATION CATEGORY: RESURVEY-ORIGINAL SURVEY
CLASS OF ACCURACY: A-2

Sands E. Aeschliman
Digitally signed by Sands E. Aeschliman
DN: cn=Sands E. Aeschliman, o=MEGSON, HEAGLE & FRIEND, ou, email=sea@ahlpc.biz, c=US
Date: 2024.01.22 16:01:35 -05'00'

SANDS E. AESCHLIMAN L.S. # 14201

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GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

APPROVED BY THE EAST HADDAM PLANNING AND ZONING COMMISSION

SUBDIVISION APPROVAL DATE

PLAN & ZONING COMMISSION CHAIRMAN/SECRETARY

EXPIRATION DATE

LEGEND

EXISTING MONUMENT	EXIST. MON.
EXISTING IRON PIN	EXIST. I.P.
PROPOSED IRON PIN	○

ZONE: R-2
TOTAL PARCEL AREA = 174,290 S.F.
= 4.00 AC.

APPLICANT/OWNER
PAUL D. & LISA A. NEWTON
42 HEMLOCK VALLEY ROAD
EAST HADDAM, CONN. 06423
860-526-2287

MEGSON, HEAGLE & FRIEND
CIVIL ENGINEERS & LAND SURVEYORS, LLC
61 RANKIN ROAD
GLASTONBURY, CONN. 06033
PHONE (860)-659-0567

SUBDIVISION PLAN
#42 HEMLOCK VALLEY ROAD
PREPARED FOR
PAUL D. & LISA A. NEWTON
EAST HADDAM, CONN.

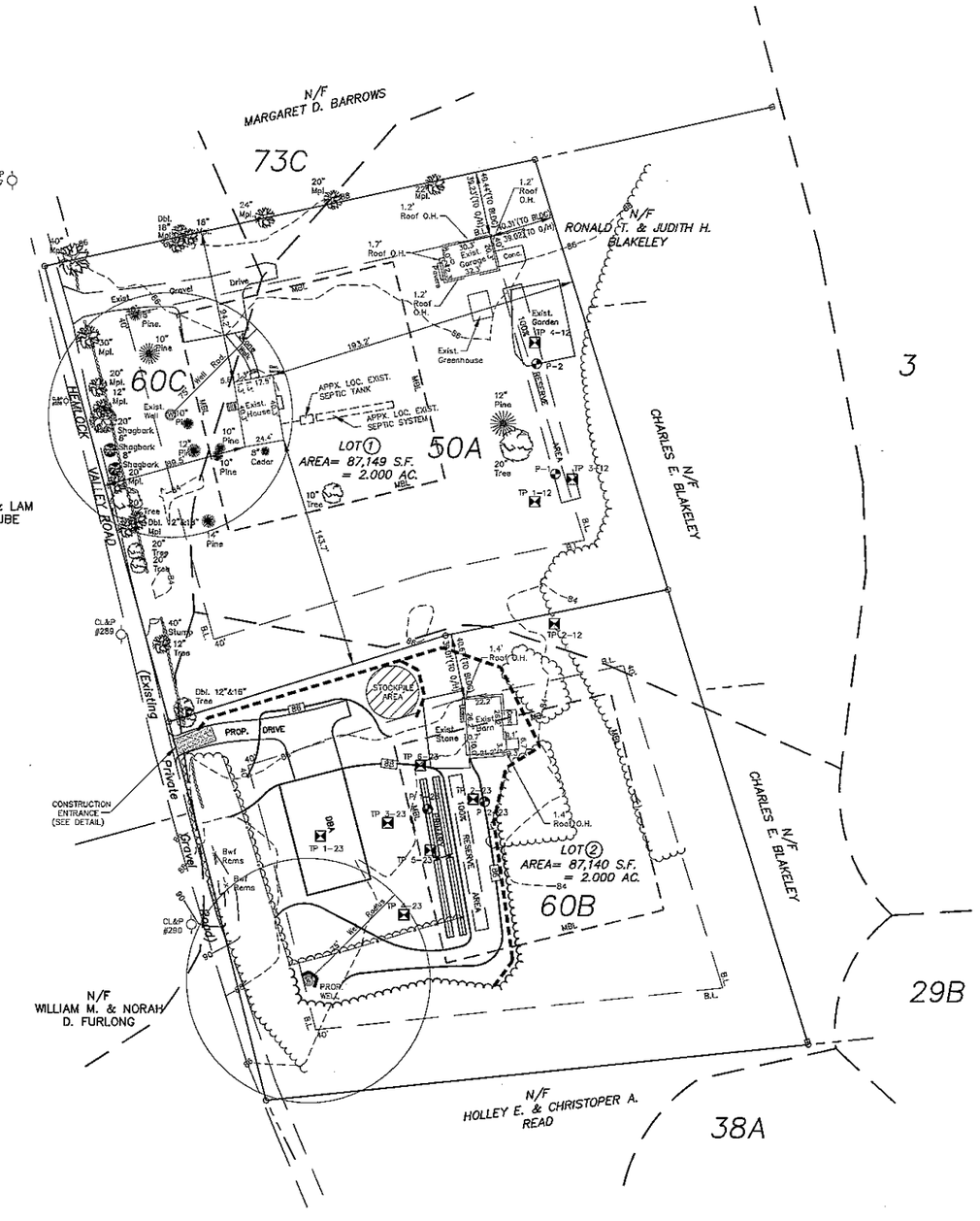
CK. BY:	JHS
DRW. BY:	PEJ
DATE:	1-10-24
SCALE:	1"=40'
SHEET	1 OF 4
MAP NO.	45-12-1S

LOT NOT AFFECTED BY WETLANDS OR 100 YEAR FLOOD PLAIN AS SHOWN ON FEMA FLOOD MAP 09007C0266G EFFECTIVE DATE: 8/28/2008.

THE SUBDIVISION REGULATIONS OF THE TOWN OF EAST HADDAM TOWN PLAN & ZONING COMMISSION ARE A PART OF THIS PLAN AND APPROVAL OF THIS PLAN IS CONTINGENT ON COMPLIANCE WITH ALL REQUIREMENTS OF SAID SUBDIVISION REGULATIONS.

ABBUTTING PROPERTIES ARE ZONED R-2

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.



GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

APPROVED BY THE EAST HADDAM PLANNING AND ZONING COMMISSION

SUBDIMSION APPROVAL DATE

PLAN & ZONING COMMISSION CHAIRMAN/SECRETARY

EXPIRATION DATE

APPLICANT/OWNER
PAUL D. & LISA A. NEWTON
42 HEMLOCK VALLEY ROAD
EAST HADDAM, CONN. 06423
860-526-2287

SOILS LEGEND

3	RIDGEBURY, LEICESTER, AND WHITMAN SOILS, EXTREMELY STONY
29B	AGAWAM FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES
38A	HINCKLEY GRAVELLY SANDY LOAM, 0 TO 3 PERCENT SLOPES
50A	SUTTON FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES
60B	CANTON AND CHARLTON SOILS, 3 TO 8 PERCENT SLOPES
60C	CANTON AND CHARLTON SOILS, 8 TO 15 PERCENT SLOPES
73C	CHARLTON-CHATFIELD COMPLEX, 3 TO 15 PERCENT SLOPES, VERY ROCKY

LEGEND

- STAKED HAYBALES/SILT FENCE
- EXISTING CONTOUR (e.g. 86)
- PROPOSED CONTOUR (e.g. 86)
- EXISTING TREE LINE
- PROPOSED CLEARING LIMITS
- SOILS BOUNDARY (29B / 60B)

(NAD 83)

Digitally signed by Jonathan H Szczurek
DN: cn=Jonathan H Szczurek, o=MHF, ou, email=jhs@megsonandheagle.com, c=US
Date: 2024.01.22 16:02:10 -05'00'

I HEREBY DECLARE TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THIS PLAN IS SUBSTANTIALLY CORRECT.

JONATHAN H. SCZUREK — P.E. # 26858

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

EROSION & SEDIMENTAION CONTROL PLAN/TOPOGRAPHIC MAP
#42 HEMLOCK VALLEY ROAD
PREPARED FOR
PAUL D. & LISA A. NEWTON
EAST HADDAM, CONN.

CK. BY:	JHS
DRW. BY:	PEJ
DATE:	1-10-24
SCALE:	1"=40'
SHEET	2 OF 4
MAP NO.	45-12-1ES

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HOUSE SITE DEVELOPMENT

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 ONSITE REGRADING. EACH STOCKPILE MUST BE ADEQUATELY RINGED WITH SEDIMENT CONTROL MATERIALS (I.E. HAY BALES AND/OR FABRIC FENCE.)

ANY ADDITIONAL STOCKPILING OF LUMBER OR BUILDING MATERIALS SHOULD ALSO BE CONFINED TO THE AREA OF DISTURBANCE. SIMILARLY, VEHICULAR MOVEMENT SHOULD BE DIRECTED TO ESTABLISHED PARKING AREAS.

STUMPAGE AND DEBRIS SHALL NOT BE BURIED ON SITE. BLASTED ROCK THAT CANNOT BE USED AS LANDSCAPE BACKDROP OR AS STABILIZATION MATERIAL SHALL BE TAKEN OFF SITE TO A SUITABLE LOCATION.

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

UPON APPROVAL OF INDIVIDUAL SITE PLAN DEVELOPMENT, THE LIMITS OF DEVELOPMENT SHOULD BE ESTABLISHED IN THE FIELD FOR EACH PROPOSED RESIDENTIAL STRUCTURE. DISTURBANCE LIMITS OF 25–30 FEET BEYOND THE PHYSICAL DIMENSIONS OF THE STRUCTURE ARE RECOMMENDED.

GENERAL

THESE GUIDELINES SHALL APPLY TO ALL WORK CONSISTING OF ANY AND ALL TEMPORARY AND/OR PERMANENT MEASURES TO CONTROL WATER POLLUTION AND SOIL EROSION AS MAY BE REQUIRED, DURING THE CONSTRUCTION OF THE PROJECT.

IN GENERAL, ALL CONSTRUCTION ACTIVITIES SHALL PROCEED IN SUCH A MANNER SO AS NOT TO POLLUTE ANY WETLANDS, WATERCOURSE, WATERBODY, AND CONDUIT CARRYING WATER, ETC. THE CONTRACTOR SHALL LIMIT, INSOFAR AS POSSIBLE, THE SURFACE AREA OF EARTH MATERIALS EXPOSED BY CONSTRUCTION METHODS, AND IMMEDIATELY PROVIDE PERMANENT AND TEMPORARY POLLUTION CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT WETLANDS, WATERCOURSES AND WATERBODIES, AND TO PREVENT, INSOFAR AS POSSIBLE, EROSION ON THE SITE.

CONSTRUCTION METHODS, IN GENERAL, SHALL BE IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" (2001) BY THE STATE OF CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION.

LAND GRADING

GENERAL:

1. THE RESHAPING OF THE GROUND SURFACE BY EXCAVATION AND FILLING OR A COMBINATION OF BOTH, TO OBTAIN PLANNED GRADES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING BASIC CRITERIA:

A) THE CUT FACE OF EARTH EXCAVATION SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).

B) THE PERMANENT EXPOSED FACES OF FILLS SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).

C) THE CUT FACE OF ROCK EXCAVATION SHALL NOT BE STEEPER THAN ONE HORIZONTAL TO FOUR VERTICAL (1:4).

D) NO FILL SHOULD BE PLACED WHERE IT WILL SLIDE, OR WASH UPON THE PREMISES OF ANOTHER OWNER OR UPON ADJACENT WETLANDS, WATERCOURSE OR WATERBODY.

E) INSTALLATION OF SEDIMENT AND EROSION CONTROLS SUCH AS HAY BALES AND SILT FENCES SHALL BE ESTABLISHED PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITIES. ALL SEDIMENT AND EROSION CONTROL STRUCTURES MUST BE MONITORED AND MAINTAINED BY THE CONTRACTOR UNTIL THE SOIL SURFACE IS STABILIZED.

F) IF NECESSARY, LATERAL WATER DIVERSIONS SHALL BE INSTALLED ACROSS THE GRADED ROADWAY TO PREVENT DOWNSLOPE OUTWASH AND EROSION.

G) HAY BALES SHALL BE STAKED AND SILT FENCES SHALL BE PROPERLY SECURED. SEDIMENT WILL BE REMOVED FROM ALL CATCHMENTS AS NECESSARY.

H) PRIOR TO ANY REGRADING, STONE APRON SHALL BE PLACED BY THE ENTRANCE TO THE WORK AREA IN ORDER TO REDUCE MUD AND OTHER SEDIMENTS FROM LEAVING THE SITE.

I) PROVISIONS SHOULD BE MADE TO CONDUCT SURFACE WATER SAFELY TO STORM DRAINS, TO PREVENT SURFACE RUNOFF FROM DAMAGING CUT FACES AND FILL SLOPES.

J) EXCAVATIONS SHOULD NOT BE MADE SO CLOSE TO PROPERTY LINES AS TO ENDANGER ADJOINING PROPERTY WITHOUT PROTECTING SUCH PROPERTY FROM EROSION, SLIDING, SETTLING OR CRACKING.

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.

TOPSOILING

GENERAL:

1. TOPSOIL SHALL BE SPREAD OVER ALL EXPOSED AREAS IN ORDER TO PROVIDE A SOIL MEDIUM HAVING FAVORABLE CHARACTERISTICS FOR THE ESTABLISHMENT, GROWTH AND MAINTENANCE OF VEGETATION.
2. REMOVE ALL LARGE STONES, TREE LIMBS, ROOTS, AND CONSTRUCTION DEBRIS.
3. APPLY LIME ACCORDING TO SOIL TEST OR AT THE RATE OF TWO (2) TONS PER ACRE.

MATERIAL:

1. TOPSOIL SHOULD HAVE PHYSICAL, CHEMICAL AND BIOLOGICAL CHARACTERISTICS FAVORABLE TO THE GROWTH OF PLANTS.
2. TOPSOIL SHOULD HAVE A SANDY OR LOAMY TEXTURE.
3. AN ORGANIC MATTER CONTENT OF OVER (6–20%) IS HIGHLY DESIRABLE. AVOID LIGHT COLORED LOWER SUBSOIL MATERIAL.

APPLICATION:

1. AVOID SPREADING WHEN TOPSOIL IS WET OR FROZEN.
2. SPREAD TOPSOIL UNIFORMLY TO A DEPTH OF AT LEAST FOUR (4") INCHES.

EROSION CHECKS

GENERAL:

1. TEMPORARY POROUS BARRIERS USING BALES OF HAY OR STRAW. HELD IN PLACE WITH STAKES DRIVEN THROUGH THE BALES AND INTO THE GROUND, OR SEDIMENT FILTER FABRIC FASTENED TO A FENCE POST AND BURIED INTO THE GROUND, SHALL BE INSTALLED AND MAINTAINED AS REQUIRED TO CHECK EROSION AND REDUCE SEDIMENTATION.

CONSTRUCTION:

1. BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED INTO THE SOIL A MINIMUM OF FOUR (4") INCHES.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY WOOD STAKES OR REINFORCEMENT BARS DRIVEN THROUGH THE BALES AND INTO THE GROUND. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD THE PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.
4. FILTER FABRIC SHALL BE SECURELY FASTENED AT THE TOP OF A THREE (3') FOOT HIGH FENCE AND BURIED A MINIMUM OF FOUR (4") INCHES INTO THE SOIL. SEAMS BETWEEN SECTIONS OF FILTER FABRIC SHALL OVERLAP A MINIMUM OF TWO (2') FEET.

INSTALLATION AND MAINTENANCE:

1. BALED HAY EROSION BARRIERS SHALL BE INSTALLED AT ALL STORM SEWER INLETS.
2. BALED HAY EROSION BARRIERS AND SEDIMENT FILTER FENCES SHALL BE INSTALLED AT THE LOCATIONS INDICATED ON THE PLAN AND IN ADDITIONAL AREAS AS MAY BE DEEMED APPROPRIATE DURING CONSTRUCTION.
3. ALL EROSION CHECKS SHALL BE MAINTAINED UNTIL ADJACENT AREAS ARE STABILIZED.
4. INSPECTION SHALL BE FREQUENT (AT MINIMUM MONTHLY AND BEFORE AND AFTER HEAVY RAIN) AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. EROSION CHECKS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORMWATER FLOW OR DRAINAGE.

WINDBLOWN SEDIMENT

GENERAL:

1. ALL WINDBLOWN SEDIMENTS SHALL BE CONTROLLED AT ALL TIMES. THE SITE CONTRACTOR IS RESPONSIBLE FOR APPLYING DUST CONTROL AS OFTEN AS NEEDED TO PREVENT ANY WINDBLOWN SEDIMENTS FROM LEAVING THE SITE. PREDETERMINED TRAFFIC ROUTES FOR ALL TRAFFIC SHALL BE ESTABLISHED BY THE SITE CONTRACTOR TO STABILIZED ROUTES. TEMPORARY AND PERMANENT MULCHING AND TEMPORARY AND PERMANENT VEGETATIVE COVER SHALL BE USED TO MINIMIZE THE NEED FOR DUST CONTROL. MECHANICAL SWEEPERS SHALL BE USED ON ALL PAVED SURFACES TO PREVENT DUST BUILD UP DURING THE COURSE OF SITE WORK.

METHODS:

1. SPRAY ON ADHESIVES ARE ACCEPTABLE AND SHOULD BE APPLIED ACCORDING TO MANUFACTURER'S GUIDELINES.
2. WATER IS ACCEPTABLE BUT MUST BE APPLIED OFTEN IN HOT, DRY WEATHER.
3. CALCIUM CHLORIDE IS ACCEPTABLE BUT MUST BE APPLIED AT A RATE THAT WILL KEEP SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE.
4. CRUSHED STONE OR COARSE GRAVEL CAN ALSO BE USED.

TEMPORARY VEGETATIVE COVER

GENERAL:

TEMPORARY VEGETATIVE COVER SHALL BE ESTABLISHED ON ALL UNPROTECTED AREAS THAT PRODUCE SEDIMENT, AREAS WHERE FINAL GRADING HAS BEEN COMPLETED AND AREAS WHERE THE ESTIMATED PERIOD OF BARE SOIL EXPOSURE IS LESS THAN 12 MONTHS.

SITE PREPARATION:

1. INSTALL REQUIRED SURFACE WATER CONTROL MEASURES.
2. REMOVE LOOSE ROCK, STONE, AND CONSTRUCTION DEBRIS FROM AREA.
3. APPLY LIME ACCORDING TO SOIL TEST OR AT A RATE OF ONE (1) TON OF GROUND DOLOMITIC LIMESTONE PER ACRE (5 LBS. PER 100 SQUARE FEET).
4. APPLY FERTILIZER ACCORDING TO SOIL TEST OR AT THE RATE OF 300 LBS. OF 10–10–10 PER ACRE (7 LBS. PER 1,000 SQUARE FEET.)
5. UNLESS HYDROSEEDED, WORK IN LIME AND FERTILIZER TO A DEPTH OF FOUR (4") INCHES USING A DISK OR ANY SUITABLE EQUIPMENT.
6. TILLAGE SHOULD ACHIEVE A REASONABLY UNIFORM, LOOSE SEEDBED. WORK ON CONTOUR IF SITE IS SLOPING.

ESTABLISHMENT:

1. USE ANNUAL RYEGRASS AT A RATE OF 40 LBS/AC. OR SUITABLE EQUIVALENT AS SPECIFIED IN THE "GUIDELINES".
2. SEEDING TO BE DONE FROM APRIL 1ST TO JUNE 15 OR AUGUST 1ST TO OCTOBER 1ST. WINTER STABILIZATION PLANTINGS TO BE NO LATER THAN OCTOBER 1ST. THIS INCLUDES STOCKPILE AREAS.
3. APPLY SEED UNIFORMLY ACCORDING TO THE RATE INDICATED BY BROADCASTING, DRILLING, OR HYDRAULIC APPLICATION.
4. UNLESS HYDROSEEDED, COVER RYEGRASS SEEDS WITH NOT MORE THAN 1/4 INCH OF SOIL WITH SUITABLE EQUIPMENT. COVER SUDANGRASS AND SMALL GRAINS WITH 1/2 INCH SOIL.
5. MULCH IMMEDIATELY AFTER SEEDING, IF REQUIRED, ACCORDING TO THE GUIDELINES IN THE "GUIDELINES".

PERMANENT VEGETATIVE COVER

GENERAL:

1. PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED AS VARIOUS SECTIONS OF THE PROJECT ARE COMPLETED IN ORDER TO STABILIZE THE SOIL, REDUCE DOWNSTREAM DAMAGE FROM SEDIMENT AND RUNOFF AND TO ENHANCE THE AESTHETIC NATURE OF THE SITE. IT WILL BE APPLIED TO ALL CONSTRUCTION AREAS SUBJECT TO EROSION WHERE FINAL GRADING HAS BEEN COMPLETED AND A PERMANENT COVER IS NEEDED.

SITE PREPARATION:

1. INSTALL REQUIRED SURFACE WATER CONTROL MEASURES.
2. REMOVE LOOSE ROCK, STONE AND CONSTRUCTION DEBRIS FROM AREA.
3. PERFORM ALL PLANTING OPERATIONS PARALLEL TO THE CONTOURS OF THE SLOPE.
4. APPLY TOPSOIL AS INDICATED ELSEWHERE HEREIN.
5. APPLY FERTILIZER ACCORDING TO SOIL TEST OR:

– SPRING SEEDING:
WORK DEEPLY IN SOIL, BEFORE SEEDING, 300 LBS OF 10–10–10 FERTILIZER PER ACRE (7 LBS PER 1,000 SQUARE FEET); THEN SIX (6) TO EIGHT (8) WEEKS LATER APPLY ON THE SURFACE AN ADDITIONAL 300 LBS OF 10–10–10 FERTILIZER PER ACRE.

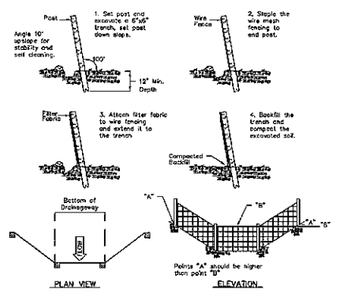
– FALL SEEDING:
WORK DEEPLY IN SOIL, BEFORE SEEDING, 600 LBS OF 10–10–10 FERTILIZER PER ACRE (14 LBS PER 1,000 SQUARE FEET).

ESTABLISHMENT:

1. SMOOTH AND FIRM SEEDBED WITH CULTIPACKER OR OTHER SIMILAR EQUIPMENT PRIOR TO SEEDING (EXCEPT WHEN HYDROSEEDING).
2. SELECT ADAPTED SEED MIXTURE AS FOLLOWS. NOTE RATES AND THE SEEDING DATES.

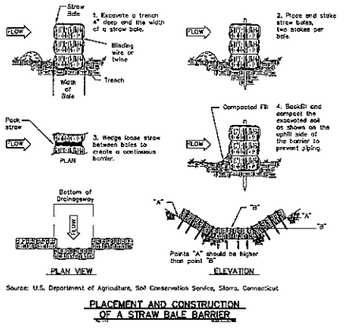
SUNNY TO PARTIALLY SUNNY SITES		
KENTUCKY BLUEGRASS	20	0.50
CREEPING RED FESCUE	20	0.50
PERENNIAL RYEGRASS	05	0.10
TOTAL	45	1.10
SHADY SITES		
CREEPING RED FESCUE	50	1.00
PERENNIAL RYEGRASS	05	0.10
TOTAL	55	1.10
DROUGHTY SITES		
CREEPING RED FESCUE	40	1.00
TALL FESCUE	20	0.50
TOTAL	60	1.50

3. FINAL SEEDING SHALL TAKE PLACE PRIOR TO OCTOBER 1ST AS SEEDING AFTER THIS DATE RUNS A DISTINCT CHANCE OF FAILURE DUE TO ADVERSE WEATHER. ANY AREAS THAT ARE DISTURBED BETWEEN OCTOBER 1ST AND APRIL 1ST SHALL BE STABILIZED BY NON–VEGETATIVE MEANS SUCH AS HEAVY MULCHING WITH A BINDER OR JUTE MATTING WHICH WILL HAVE TO BE REMOVED BEFORE FINAL SEEDING AND THEN REPLACED AFTER FINAL SEEDING.
4. APPLY SEED UNIFORMLY ACCORDING TO RATE INDICATED, BY BROADCASTING, DRILLING, OR HYDRAULIC APPLICATION.
5. COVER GRASS AND LEGUME SEEDS WITH NOT MORE THAN 1/4 INCH OF SOIL WITH SUITABLE EQUIPMENT (EXCEPT WHEN HYDROSEEDING).
6. MULCH IMMEDIATELY AFTER SEEDING, IF REQUIRED, ACCORDING TO THE GUIDELINES IN THE "GUIDELINES".
7. USE PROPER INOCULANT ON ALL LEGUME SEEDINGS, USE FOUR (4) TIMES NORMAL RATE WHEN HYDROSEEDING.



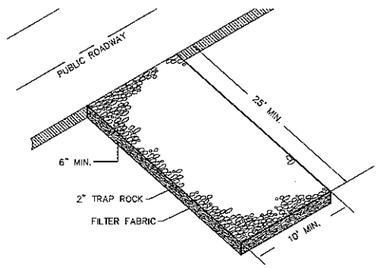
Source: U.S. Department of Agriculture, Soil Conservation Service, Storrs, Connecticut

PLACEMENT AND CONSTRUCTION OF A SYNTHETIC FILTER BARRIER



Source: U.S. Department of Agriculture, Soil Conservation Service, Storrs, Connecticut

PLACEMENT AND CONSTRUCTION OF A STRAW BALE BARRIER



CONSTRUCTION ENTRANCE

PROJECT DESCRIPTION

This project generally consists of the construction of one new single family home located at 42 Hemlock Valley Road Lot 2. Total lot area is 2.00 acres.

SITE DISTURBANCE

This site will have a disturbed area of approximately 0.73 acres for construction of the house, driveway, septic system and other site improvements. Total impervious cover will be 0.14 AC (7.0%.)

SITE SPECIFIC EROSION AND SEDIMENTATION ISSUES

SPECIFIC SOIL EROSION AND SEDIMENTATION ISSUES RELATE TO THE:

1. CONSTRUCTION SCHEDULE
2. AREA OF DISTURBANCE
3. MAINTENANCE OF TEMPORARY EROSION AND SEDIMENTATION CONTROLS DURING CONSTRUCTION.
4. DUST CONTROL
5. QUICK STABILIZATION OF DISTURBED AREAS
6. MINIMIZE TOTAL DISTURBED AREAS WITH MULCH AND TEMPORARY VEGETATION

PROJECT PHASING

This project is proposed to occur in one phase.

SCHEDULING

The entire construction for the site is expected to take 12 months. The first part of construction will be the building of a temporary access construction entrance/anti-tracking pad installed where the driveway meets Hemlock Valley Road. Following that silt fence/ haybale perimeter controls will be placed downgradient of any construction activity. The lot will then be cleared, grubbed and then excavation for the house and septic system will occur along with site grading. At the end of construction topsoil will be spread and all disturbed areas seeded and mulched.

DESIGN CRITERIA, MAINTENANCE AND CONSTRUCTION SEQUENCING

DESIGN CRITERIA

The erosion controls are designed in conformance to the 2002 Erosion and Sediment Control Guidelines.

MAINTENANCE OF EROSION & SEDIMENTATION CONTROL MEASURES

1. Land disturbance will be kept to a minimum; re-stabilization will be scheduled as soon as practical.
2. Silt fence will be installed along the toe of all critical cut and fill slopes, soil stockpile areas, and in those areas shown on the plan.
3. Silt fence not installed parallel to the slope shall have five foot long wings installed every 100 feet to intercept and diffuse flows along the silt fence.
4. Silt Sacks or other inlet protection shall be provided on the leaching catch basins prior to construction to prevent any sediment from entering the basins
5. Temporary sediment traps will be installed if required during construction.
6. All erosion & sediment control measures will be constructed in accordance with the standards and specifications of the state of Connecticut guidelines for soil erosion and sediment control, 2002.
7. Erosion & sediment control measures will be installed prior to land disturbance.
8. All temporary erosion & sedimentation control measures shall be properly maintained until stabilization has been achieved.
9. Additional control measures will be installed during the construction period if necessary or required. A minimum of 300 feet of silt fence shall be stored at the site for emergency use.
10. The site contractor shall inspect all erosion & sediment controls weekly, before an anticipated storm greater than 0.5 inches and following a significant storm event. A field report shall be prepared identifying the progress of site development, effectiveness of the measures, any remedial actions or field changes to the plan.
11. Any excavations that must be dewatered will be pumped into an active drainage system or dispersed in an undisturbed vegetated area.
12. Water and or calcium chloride shall be applied to unpaved access ways to prevent wind generated sediments and dust.
13. Debris and other wastes resulting from equipment maintenance and construction activities will not be discarded on site.
14. Sediment removed from control structures will be disposed of in a manner which is consistent with the intent of the plan.
15. Silt fences shall have sediment removed when the depth of the sediment is equal to 1/3 to 1/2 the height of the fence. Fences shall be properly installed and ripped fence or broken posts repaired as soon as practical.
16. Sediment attenuation devices shall be cleaned when sediment levels reach 1/3 the depth of the structure or 2 feet. Hay bales shall be replaced every six weeks or sooner as conditions warrant.
17. Anti-tracking pads and gravel check dams shall be replaced when void spaces are full or structures are breached, as applicable.
18. Temporary erosion control measures shall be removed and the soil surface stabilized when construction is complete and the soil surfaces are permanently stabilized. Structural components shall be cleaned of all sediment upon completion of construction.
19. The Site Super is assigned the responsibility for implementing this erosion & sediment control plan. This responsibility includes installation and maintenance of control measures, informing all parties engaged on the construction site of the requirements and objectives of the plan, notifying the Town of East Haddam Land Use Department of any transfer of this responsibility and for conveying a copy of the erosion & sediment plan, if and when the title of land is transferred.

APPROVED BY THE EAST HADDAM PLANNING AND ZONING COMMISSION

SUBDIVISION APPROVAL DATE — PLAN & ZONING COMMISSION CHAIRMAN/SECRETARY

EXPIRATION DATE

APPLICANT/OWNER
PAUL D. & LISA A. NEWTON
42 HEMLOCK VALLEY ROAD
EAST HADDAM, CONN. 06423
860–526–2287

Digitally signed by Jonathan H Szcurek
DN: cn=Jonathan H Szcurek, o=MHF, ou, email=jhs@megsonandheagle.com, c=US
Date: 2024.01.23 16:02:32 -05'00'

I HEREBY DECLARE TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THIS PLAN IS SUBSTANTIALLY CORRECT.

JONATHAN H. SZCUREK — P.E. # 28858

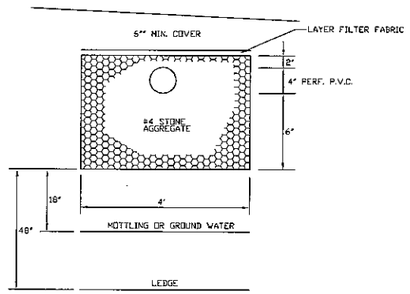
THIS MAP IS NOT VALID IF MODIFIED IN ANY WAY AND/OR DOES NOT BEAR THE EMBOSSED SEAL OF THE UNDERSIGNED.

MEGSON, HEAGLE & FRIEND
CIVIL ENGINEERS & LAND SURVEYORS, LLC
61 RANKIN ROAD
GLASTONBURY, CONN. 06033
PHONE (860)–659–0507

EROSION & SEDIMENTATION CONTROL NOTES & DETAILS
#42 HEMLOCK VALLEY ROAD
PREPARED FOR
PAUL D. & LISA A. NEWTON
EAST HADDAM, CONN.

CK. BY:	JHS
DRW. BY:	PEJ
DATE:	1–10–24
SCALE:	1"=40'
SHEET	3 OF 4
MAP NO.	45–12–1ESN

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TYPICAL ABSORPTION TRENCH
NOT TO SCALE

LOT 1

TEST PIT # 1-12
DATE: 6-28-12
MATERIAL:
0" – 6" TOPSOIL
6" – 22" BROWN FINE SANDY LOAM
22" – 28" GRAY SILT
28" – 35" MEDIUM COARSE SAND
35" – 57" COARSE SAND AND GRAVEL
LEDGE: NONE
MOTTLING: @ 22"
GROUNDWATER: @ 42"

TEST PIT # 3-12
DATE: 6-28-12
MATERIAL:
0" – 5" TOPSOIL
5" – 24" BROWN FINE SANDY LOAM
24" – 48" COARSE SAND
LEDGE: NONE
MOTTLING: @ 24"
GROUNDWATER: @ 37"

TEST PIT # 4-12
DATE: 6-28-12
MATERIAL:
0" – 6" TOPSOIL
6" – 34" BROWN FINE SANDY LOAM SOME SILT
34" – 53" MODIFIED COMPACT COARSE SAND & GRAVEL
LEDGE: NONE
MOTTLING: @ 24"
GROUNDWATER: @ 43"

PERC. TEST: P-1
DATE: 10-14-12
DEPTH: 18 1/2"
RATE: 2.00 MIN./IN.

PERC. TEST: P-2
DATE: 10-14-12
DEPTH: 21 1/2"
RATE: 20 MIN./IN.

M.L.S.S. CALCULATIONS LOT 1

BEDROOMS: 4 (FOR DESIGN PURPOSES)
RESTRICTIVE LAYER: 24"
SLOPE: 1.2%
PERC. RATE: 20 MIN./IN.
(HF)82 x (FF)1.75 x (PF)1.25 = 135.6 L.F. REQ.
136.0 L.F. PROP.

SEPTIC DESIGN
(USE 4 BEDROOM HOUSE
EXISTING HOUSE IS 2 BEDROOMS)

LOT 1 (RESERVE)
PERC.= 20 MIN./IN.
E.L.A.= 787.50 S.F.
RESTRICTIVE LAYER=24"
4' TRENCHES 3 S.F./L.F. = 262.50 L.F. (REQ.)
USE 2 ROWS – *136' TRENCHES
*131.25 REQUIRED 136 L.F. TO MEET MLSS

LOT 2

TEST PIT # 2-12
DATE: 10-5-23
MATERIAL:
0" – 6" TOPSOIL
6" – 27" BROWN FINE SANDY LOAM
27" – 53" COARSE SAND AND GRAVEL
LEDGE: NONE
MOTTLING: @ 22"
GROUNDWATER: @ 34"

TEST PIT # 1-23
DATE: 10-5-23
MATERIAL:
0" – 13" TOPSOIL
13" – 19" ORANGE BROWN FINE SANDY LOAM
19" – 30" GREY BROWN FINE SILTY SAND AND STONES
30" – 56" LIGHT GREY FINE SILTY SAND AND STONES – HARDPAN
LEDGE: 56"
MOTTLING: @ 23"
GROUNDWATER: @ NONE

TEST PIT # 2-23
DATE: 10-5-23
MATERIAL:
0" – 11" TOPSOIL
11" – 20" ORANGE BROWN FINE SANDY LOAM
20" – 24" GREY BROWN FINE SILTY SAND AND STONES
LEDGE: 24"
MOTTLING: @ 20"
GROUNDWATER: @ NONE

TEST PIT # 3-23
DATE: 10-5-23
MATERIAL:
0" – 12" TOPSOIL
12" – 27" MEDIUM BROWN FINE SANDY LOAM
27" – 40" GREY BROWN FINE SILTY SAND AND STONES
LEDGE: 40"
MOTTLING: @ 23"
GROUNDWATER: @ NONE

TEST PIT # 4-23
DATE: 10-5-23
MATERIAL:
0" – 11" TOPSOIL
11" – 20" ORANGE BROWN FINE SANDY LOAM
20" – 24" GREY BROWN FINE SILTY SAND AND STONES
LEDGE: 24"
MOTTLING: @ 20"
GROUNDWATER: @ NONE

TEST PIT # 5-23
DATE: 10-5-23
MATERIAL:
0" – 11" TOPSOIL
11" – 26" ORANGE BROWN FINE SANDY LOAM
26" – 48" COARSE SAND AND GRAVEL
LEDGE: 60"
MOTTLING: @ 22"
GROUNDWATER: @ 48"

TEST PIT # 6-23
DATE: 10-5-23
MATERIAL:
0" – 7" TOPSOIL
7" – 24" ORANGE BROWN FINE SANDY LOAM
24" – 33" MEDIUM BROWN FINE SILTY SAND
33" – 50" GREY BROWN FINE SILTY SAND AND STONES
LEDGE: 50"
MOTTLING: @ 27"
GROUNDWATER: @ NONE

TEST PIT # 7-23
DATE: 10-5-23
MATERIAL:
0" – 11" TOPSOIL
11" – 37" ORANGE BROWN FINE SANDY LOAM
37" – 58" GREY BROWN FINE SILTY SAND AND STONES
LEDGE: 58"
MOTTLING: @ 32"
GROUNDWATER: @ 38"

PERC. TEST: P-1-23
DATE: 10-4-23
DEPTH: 21"
RATE: 5.00 MIN./IN.

PERC. TEST: P-2-23
DATE: 10-4-23
DEPTH: 25"
RATE: 10 MIN./IN.

M.L.S.S. CALCULATIONS LOT 2

BEDROOMS: 4
RESTRICTIVE LAYER: 22"
SLOPE: 2.3%
PERC. RATE: 5 MIN./IN.
(HF)54 x (FF)1.75 x (PF)1.00 = 94.5 L.F. REQ.
96.25 L.F. PROP.

LOT 2
PERC.= 5 MIN./IN.
E.L.A.= 577.5 S.F.
RESTRICTIVE LAYER= 22"
4' TRENCHES 3 S.F./L.F. = 192.5 L.F.
USE 2 ROWS – 96.3' TRENCHES

APPROVED BY THE EAST HADDAM PLANNING AND ZONING COMMISSION

SUBDIVISION APPROVAL DATE

PLAN & ZONING COMMISSION CHAIRMAN/SECRETARY

EXPIRATION DATE

APPLICANT/OWNER
PAUL D. & LISA A. NEWTON
42 HEMLOCK VALLEY ROAD
EAST HADDAM, CONN. 06423
860-526-2287

THIS MAP IS NOT VALID IF MODIFIED IN ANY WAY AND/OR DOES NOT BEAR THE EMBOSSED SEAL OF THE UNDERSIGNED.

Digitally signed by Jonathan H Sczurek
DN: cn=Jonathan H Sczurek, o=MHF, ou, email=jhsczurek@onandheagle.com, c=US
Date: 2024.01.22 16:02:56 -05'00'

I HEREBY DECLARE TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THIS PLAN IS SUBSTANTIALLY CORRECT.

JONATHAN H. SCZUREK P.E. # 26858

MEGSON, HEAGLE & FRIEND
CIVIL ENGINEERS & LAND SURVEYORS, LLC
61 RANKIN ROAD
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PHONE (860)-659-0597

GENERAL NOTES & DETAILS/SOILS DATA
#42 HEMLOCK VALLEY ROAD
PREPARED FOR
PAUL D. & LISA A. NEWTON
EAST HADDAM, CONN.

CK. BY:	JHS
DRW. BY:	PEJ
DATE:	1-10-24
SCALE:	1"=40'
SHEET	4 OF 4
MAP NO.	45-12-1GN

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