MAP REFERENCES

1. "PROPOSED PLAN SHOWING A PORTION OF WALNUT DRIVE WALNUT DRIVE – MONTVILLE, CONNECTICUT PREPARED FOR EUGENE DESHEFY SR." PREPARED BY: CHARLES T. CAMP DATE: 09/12/94 SCALE: 1"=60' SHEET NO. 1 OF 1
2. "LANDSDOWNE ESTATES RESUBDIVISION BOUNDARY SURVEY PROPERTY BELONGING TO HILLCREST MONTVILLE, LLC 5 RICHARD BROWN DRIVE MONTVILLE, CONNECTICUT TOTAL AREA: 35.21 ACRES" DATE: NOVEMBER 24, 2008 SCALE: 1"=80'
3. "SURVEY MAP OF PROPERTY TO BE CONVEYED TO KYLE R. AND DONNA L. WILLIAMS, SITUATED AT GLEN ROAD, MONTVILLE, CT" PREPARED BY: FRANSEN CONSULTANTS DATE: 12/20/82 SCALE: 1"=50'

SURVEY NOTES

1. THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTION 20-300b-1 THRU 20-300b-20 OF THE REGULATIONS FOR STATE AGENCIES "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ENDORSED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC.
   A. TYPE OF SURVEY: BOUNDARY & TOPOGRAPHIC SURVEY
   B. BOUNDARY DETERMINATION CATEGORY: RESURVEY
   C. HORIZONTAL ACCURACY: A-2
      VERTICAL ACCURACY: T-2 (PROJECT AREA ONLY) T-D
      TOPOGRAPHIC ACCURACY: N/A
   D. INTENT: TO DEPICT EXISTING CONDITIONS AND TOPOGRAPHY OF THE SUBJECT PARCEL.
2. DATE OF LATEST FIELD WORK: JANUARY 2025
3. HORIZONTAL ORIENTATION IS CT N.A.D. 83 BASED ON FIELD GPS OBSERVATIONS.
4. VERTICAL DATUM IS N.A.V.D. 88 BASED ON FIELD GPS OBSERVATIONS.
5. BOUNDARY LINES OF ADJOINING PROPERTIES ARE NOT TO BE CONSTRUED AS HAVING BEEN THE RESULT OF A FIELD SURVEY AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.
6. THE WORD "CERTIFY" IS UNDERSTOOD TO BE AN EXPRESSION OF THE PROFESSIONAL OPINION OF THE LAND SURVEYOR TO THE BEST OF THEIR KNOWLEDGE, INFORMATION AND BELIEF.
7. STONE WALLS AND/OR FENCES SHOWN AS BOUNDARIES MAY HAVE IRREGULARITIES BETWEEN POINTS INDICATED ON THE SURVEY.
8. A PRINT OR MYLAR OF THIS MAP IS NOT VALID UNLESS IT CONTAINS THE SEAL AND LIVE SIGNATURE OF THE SURVEYOR.

TEST PIT DATA

TEST PIT INFORMATION FROM:
"SITE INVESTIGATION FOR A SUBSURFACE SEWAGE DISPOSAL SYSTEM" BY UNCAS HEALTH DISTRICT
DATED 04/22/2025.

TH #1
0-19" TOPSOIL, BLACK SILT LOAM
19"-20" BROWN SANDY LOAM
20"-72" MOTTLED WET LIGHT BROWN GRAY FINE SANDY LOAM
MOTTLING @ 20"
GROUNDWATER @ 58"
LEDGE N/A
ROOTS TO 33"
RESTRICTIVE 20"

TH #2
0-13" TOPSOIL
13"-72" REDOX, LIGHT BROWN/GRAY FINE SANDY LOAM WITH COBBLES AND STONE
SEEPAGE N/A
MOTTLING @ 14"
GROUNDWATER @ 54"
LEDGE N/A
ROOTS N/A
RESTRICTIVE LAYER @ 14"

TH #3
0-9" TOPSOIL, DARK BROWN SILT LOAM
9"-72" BROWN FINE SANDY LOAM WITH COBBLES AND STONE
MOTTLING @ 21"
GROUNDWATER @ 70"
SEEPAGE @ 27"
LEDGE N/A
ROOTS TO 30"
RESTRICTIVE LAYER @ 21"

TH #4
0-15" TOPSOIL
15"-72" LIGHT BROWN FINE SANDY LOAM WITH COBBLES AND STONE
SEEPAGE @ 53"
MOTTLING @ 33"
GROUNDWATER @ 70"
LEDGE N/A
ROOTS TO 49"
RESTRICTIVE LAYER @ 33"

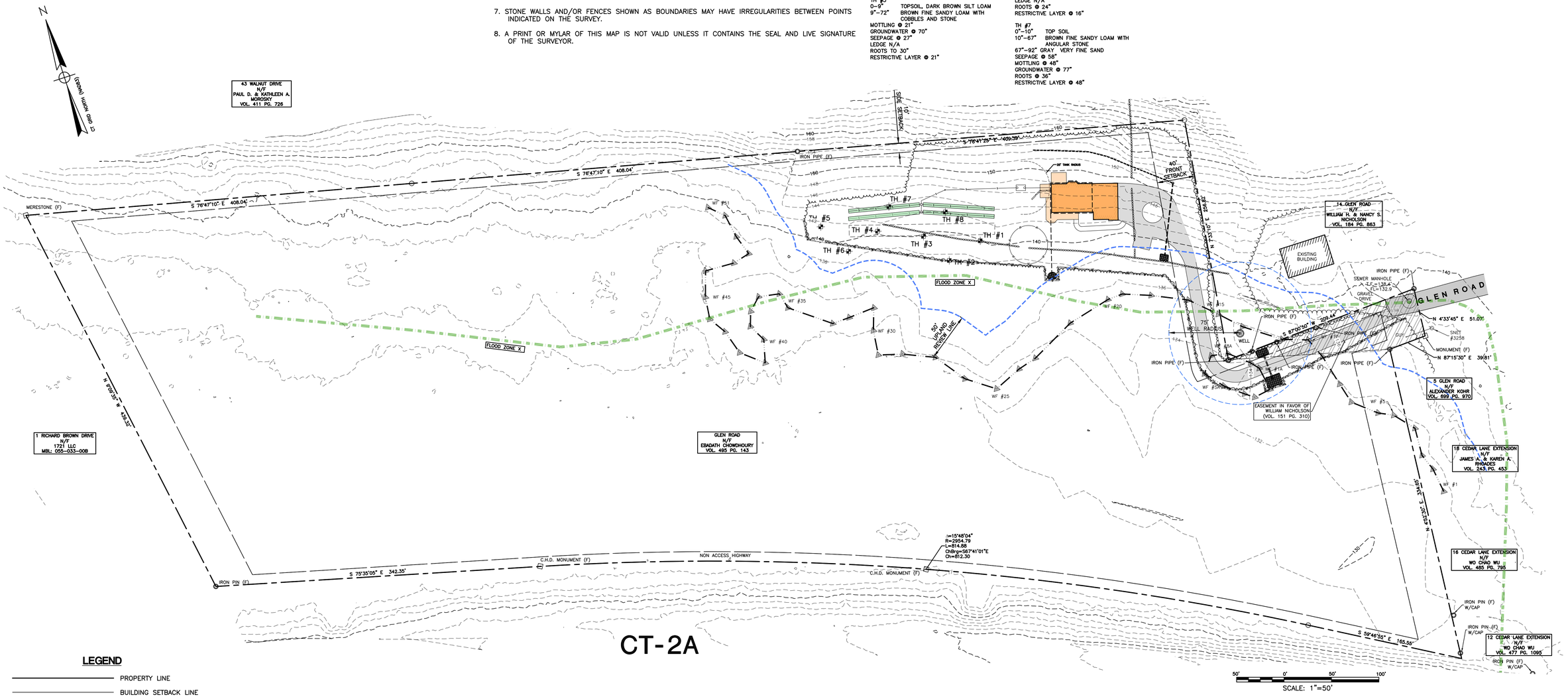
TH #5
0-13" TOPSOIL, SILT LOAM
13"-80" BROWN SANDY LOAM WITH COBBLES AND STONE
MOTTLING @ 49"
GROUNDWATER N/A
LEDGE @ 80"
ROOTS @ 42
RESTRICTIVE LAYER @ 49"

TH #6
0-11" TOPSOIL, SILT LOAM
11"-70" BROWN VERY FINE SANDY LOAM
SEEPAGE @ 26"
MOTTLING @ 16"
GROUNDWATER @ 64"
LEDGE N/A
ROOTS @ 24"
RESTRICTIVE LAYER @ 16"

TH #7
0"-10" TOP SOIL
10"-67" BROWN FINE SANDY LOAM WITH ANGULAR STONE
67"-92" GRAY VERY FINE SAND
SEEPAGE @ 58"
MOTTLING @ 48"
GROUNDWATER @ 77"
ROOTS @ 36"
RESTRICTIVE LAYER @ 48"

TH #8
0-18" TOPSOIL
18"-36" BROWN FINE SANDY LOAM WITH LARGE ANGULAR ROCK AND STONE
36"-72" GRAY SANDY LOAM WITH ANGULAR ROCK AND STONE
SEEPAGE @ 59"
MOTTLING @ 40"
GROUNDWATER @ 69"
LEDGE N/A
ROOTS TO 37"
RESTRICTIVE LAYER @ 40"

LOCATION MAP
(NOT TO SCALE)



CT-2A

LEGEND

- PROPERTY LINE
- BUILDING SETBACK LINE
- 380 EXIST. CONTOURS
- EXIST. INLAND WETLAND LIMITS
- 000 PROP. CONTOURS
- PROP. WATER SERVICE
- PROP. SEWER PIPE
- PRIMARY LEACHING AREA
- RESERVE LEACHING AREA
- EXISTING LEDGE AREA
- X Ex.. 000.0 EXISTING SPOT GRADE
- X Pr. 000.0 PROPOSED SPOT GRADE

I HAVE REVIEWED THE WETLANDS ON THE PROPERTY IN THE FIELD AND HAVE REVIEWED THE WETLANDS AS SHOWN ON THE PLAN AND FIND THAT THEY SUBSTANTIALLY REPRESENT THE WETLANDS AS DELINEATED IN THE FIELD.

R C Russo 05/30/25
ROBERT C. RUSSO DATE
CERTIFIED SOIL SCIENTIST

TO MY KNOWLEDGE AND BELIEF THIS PLAN IS SUBSTANTIALLY CORRECT AS NOTED OR DEPICTED HEREON.

NATHAN C. STOREY, L.L.S. #70531 DATE

No.	DATE	REVISION

CLA Engineers, Inc.
CIVIL • STRUCTURAL • SURVEYING
317 Main Street Norwich, CT 06360
(860) 886-1966 Fax (860) 886-9165

GLEN ROAD MONTVILLE, CT 06382

SITE PLAN PREPARED FOR EBADATH CHOWDHOURY

SITE PLAN

Project No.	CLA-8020
Proj. Surveyor	N.C.S
Date:	05/30/25
Sheet No.	1

PERCOLATION TEST DATA

PERCOLATION TEST CONDUCTED BY
CLA ENGINEERS, INC., 05/13/2025.

PERC P1 @ 22" DEPTH
PRESOAK – YES (9:00)

TIME	READING
10:33	0"
10:41	6.5"
10:49	9.75"
10:57	12.25"
11:05	13.5"
11:13	15"
11:21	16.25"
11:29	17.75"
11:37	18.5"
11:45	19.25"
11:53	19.5"

MIN 11:29 TO 11:45 = 16 MIN
IN = 17.75 TO 19.25 = 1.5"
16MIN / 1.5IN = 10.67 MIN/IN

PERCOLATION RATE: 11 MIN/IN (10–20 MIN/IN)

PERCOLATION TEST CONDUCTED BY
CLA ENGINEERS, INC., 05/13/2025.

PERC P2 @ 22" DEPTH
PRESOAK – YES (9:00)

TIME	READING
10:00	2"
10:04	8"
10:08	12.5"
10:12	15.5"
10:16	17.25"
10:20	18.5"
10:24	19.25"
10:28	20"

MIN 10:16 TO 10:24 = 8 MIN
IN = 17.25 TO 19.25 = 2"
8MIN / 2IN = 4 MIN/IN

PERCOLATION RATE: 4 MIN/IN (1–10 MIN/IN)

TEST PIT DATA

TEST PIT INFORMATION FROM:
"SITE INVESTIGATION FOR A SUBSURFACE SEWAGE DISPOSAL SYSTEM" BY UNCAS HEALTH DISTRICT DATED 04/22/2025.

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SEEPAGE @ 59"
MOTTLING @ 40"
GROUNDWATER @ 69"
LEDGE N/A
ROOTS TO 37"
RESTRICTIVE LAYER @ 40"

SEPTIC SYSTEM DESIGN

PRIMARY LEACHING AREA
5 BEDROOM RESIDENCE
PERCOLATION RATE: 10–20 MIN./INCH (PERC. P1)
LEACHING AREA REQUIRED: 900 SF

MLSS CALCULATION
HYDRAULIC FACTORS
DEPTH TO RESTRICTIVE LAYER: 40"
SLOPE: <11%
HYDRAULIC FACTORS (HF) = 18
FLOW FACTORS
5 BEDROOM HOUSE: FF = 2
PERCOLATION FACTORS
PERCOLATION RATE = 10–20 MIN./INCH
PF = 1.25 (10.1 – 20.0 MIN./INCH)
MLSS REQUIRED: 18 x 2 x 1.25 = 45 LF

PROPOSED LEACHING SYSTEM
USE 12" DEEP x 48" WIDE STONE LEACHING TRENCH
EFFECTIVE LEACHING AREA OF TRENCH=3.0 SF/LF
LENGTH OF TRENCH REQUIRED=(900 SF)/(3.0 SF/LF)=300 LF

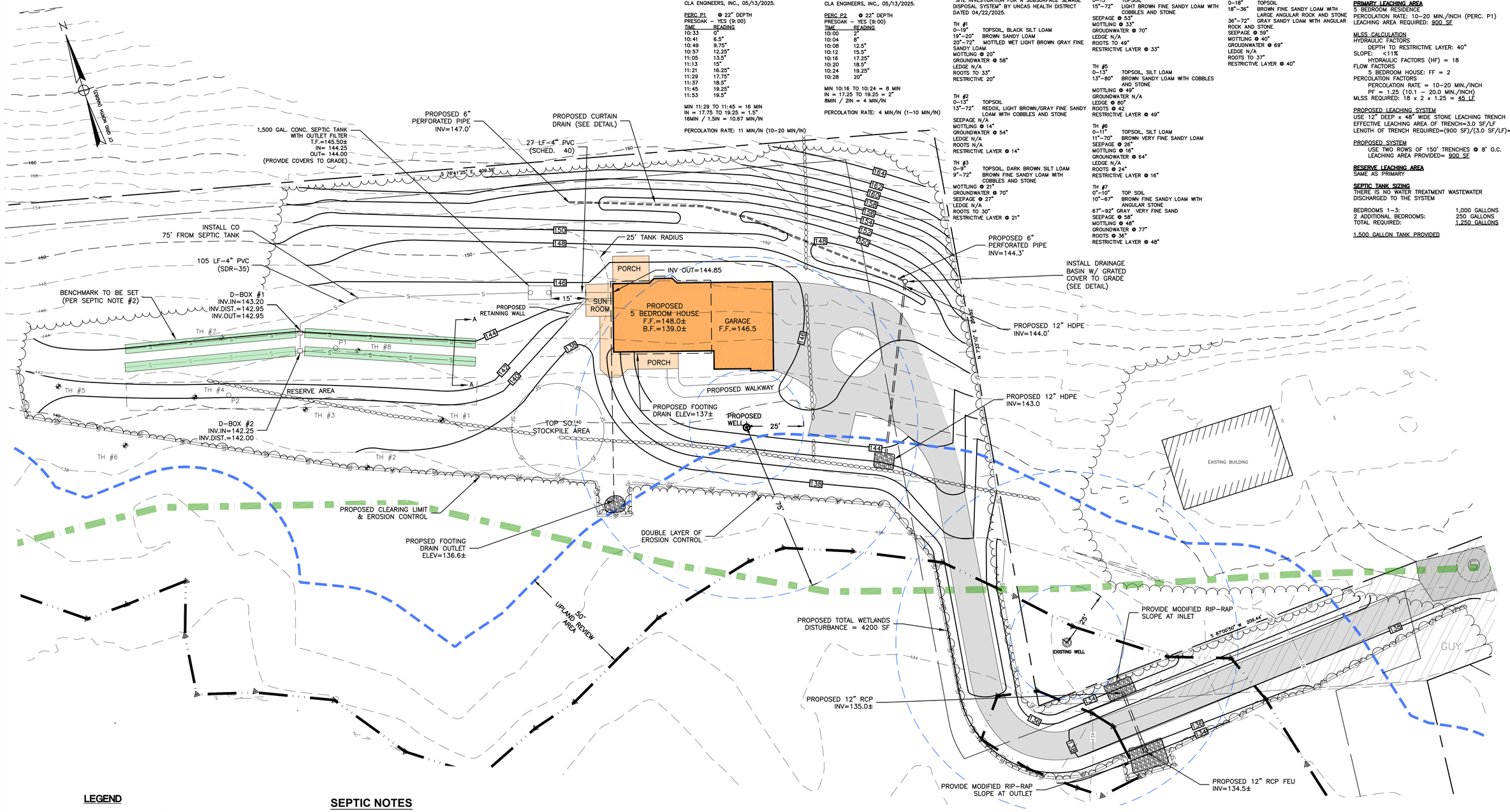
PROPOSED SYSTEM
USE TWO ROWS OF 150' TRENCHES @ 8' O.C.
LEACHING AREA PROVIDED= 900 SF

RESERVE LEACHING AREA
SAME AS PRIMARY

SEPTIC TANK SIZING
THERE IS NO WATER TREATMENT WASTEWATER DISCHARGED TO THE SYSTEM

BEDROOMS 1–3:	1,000 GALLONS
2 ADDITIONAL BEDROOMS:	250 GALLONS
TOTAL REQUIRED:	1,250 GALLONS

1,500 GALLON TANK PROVIDED



SCALE: 1"=20'

LEGEND

- PROPERTY LINE
- BUILDING SETBACK LINE
- EXIST. CONTOURS
- EXIST. INLAND WETLAND LIMITS
- PROP. CONTOURS
- PROP. WATER SERVICE
- PROP. SEWER PIPE
- PRIMARY LEACHING AREA
- RESERVE LEACHING AREA
- EXISTING LEDGE AREA
- X Ex.. 000.0 EXISTING SPOT GRADE
- X Pr. 000.0 PROPOSED SPOT GRADE

811 Know what's below. Call 811 before you dig.

SEPTIC NOTES

1. PROPOSED SEPTIC SYSTEM, WELL, AND HOUSE TO BE STAKED IN THE FIELD BY A LAND SURVEYOR LICENSED IN THE STATE OF CONNECTICUT.
2. A BENCHMARK SHALL BE SET WITHIN 10'–15' OF THE PROPOSED SEPTIC SYSTEM PRIOR TO CONSTRUCTION.
3. ALL WORK AND MATERIAL (SEPTIC TANK, DISTRIBUTION BOX, PIPE) SHALL CONFORM TO THE CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEM.
4. SEWER LINE FROM FOUNDATION WALL TO SEPTIC TANK SHALL BE 4" SCHEDULE 40 PVC – ASTM D 1785 AND JOINTS PER HEALTH DEPT. CODE. PIPE FROM SEPTIC TANK TO DISTRIBUTION LINES SHALL BE 4" SOLID PVC CONFORMING TO STMD–3034 AND SDR–35.
5. SYSTEMS SHALL BE SET LEVEL FOR ENTIRE LENGTH AND HAVE A CENTER TO CENTER SPACING AS CALLED FOR IN THE CONNECTICUT PUBLIC HEALTH CODE.
6. THERE ARE PRESENTLY NO KNOWN WATER WELLS WITHIN 75' OF THE PROPOSED SEPTIC SYSTEMS.
7. CLEAR AND GRUB THE AREA WHERE THE SEPTIC SYSTEMS AND HOUSES ARE TO BE CONSTRUCTED. ALL TOPSOIL IS TO BE STRIPPED AND STOCKPILED FOR FUTURE USE.
8. ALL FILL MATERIAL SHALL BE CLEAN EARTH FREE OF STUMPS, ORGANICS, CONSTRUCTION DEBRIS AND TOPSOIL.
9. TOPSOIL SHALL BE RE–APPLIED OVER ALL FILL AREAS AND ALL DISTURBED AREAS TO PROVIDE A MINIMUM DEPTH OF FOUR INCHES IN ACCORDANCE WITH THE SLOPE STABILIZATION DETAILS.
10. IF REQUIRED, SELECT FILL SHALL BE PLACED WITHIN AND ADJACENT TO LEACHING SYSTEM AREAS. IT SHALL BE COMPRISED OF CLEAN SAND, OR SAND AND GRAVEL, FREE FROM ORGANIC MATTER AND FOREIGN SUBSTANCES. THE SELECT FILL SHALL MEET THE REQUIREMENTS PER THE CONNECTICUT PUBLIC HEALTH CODE FOR USE WITHIN THE LEACHING AREA.

No.	DATE	REVISION
1	08/14/25	EROSION CONTROL PER TOWN COMMENTS

CLA Engineers, Inc.
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(860) 886–1966 Fax (860) 886–9165

GLEN ROAD MONTVILLE, CT 06382

SITE PLAN PREPARED FOR EBADATH CHOWDHOURY

SEPTIC SYTEM DESIGN PLAN

Project No. CLA–8020
Proj. Engineer E.M.B
Date: 05/30/25
Sheet No. 2

CLA

SEPTIC GENERAL NOTES

1. ALL WORK AND MATERIAL (SEPTIC TANK, DISTRIBUTION BOX, PIPE, ETC.) SHALL CONFORM TO THE CONNECTICUT PUBLIC HEALTH CODE ON-SITE SEWAGE DISPOSAL REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS, AS REVISED.
2. PROPOSED SEPTIC SYSTEMS SHALL BE STAKED IN THE FIELD BY A LAND SURVEYOR LICENSED IN THE STATE OF CONNECTICUT. A BENCHMARK SHALL BE SET WITHIN 10'-15' OF THE PROPOSED SEPTIC SYSTEM PRIOR TO CONSTRUCTION.
3. SEWER LINE FROM FOUNDATION WALL TO SEPTIC TANK SHALL BE 4" SCHEDULE 40 PVC – ASTM D 1785 AND JOINTS PER HEALTH DEPT. CODE.
4. PIPE FROM SEPTIC TANK TO DISTRIBUTION LINES SHALL BE 4" SOLID PVC CONFORMING TO ASTMD-3034 AND SDR-35.
5. LEACHING SYSTEM ROWS SHALL BE SET LEVEL FOR ENTIRE LENGTH AND HAVE A CENTER TO CENTER SPACING AS CALLED FOR IN THE CONNECTICUT PUBLIC HEALTH CODE.
6. THERE ARE PRESENTLY NO KNOWN WATER WELLS WITHIN 75' OF THE PROPOSED SEPTIC SYSTEMS.
7. PROPOSED SEPTIC AREAS SHALL BE CLEARED AND GRUBBED. ALL TOPSOIL IN THE AREA SHALL BE STRIPPED AND STOCKPILED FOR FUTURE USE.
8. ALL FILL MATERIAL SHALL BE CLEAN EARTH FREE OF STUMPS, ORGANICS, CONSTRUCTION DEBRIS AND TOPSOIL.
9. TOPSOIL SHALL BE RE-APPLIED OVER ALL FILL AREAS AND ALL DISTURBED AREAS IN ACCORDANCE WITH THE SLOPE STABILIZATION DETAILS.
10. ALL EXISTING UTILITIES TO BE ACCURATELY LOCATED PRIOR TO CONSTRUCTION CONTRACTOR SHALL CONTACT CALL BEFORE YOU DIG: 811.

SELECT FILL SPECIFICATION

SELECT FILL PLACED WITHIN AND ADJACENT TO LEACHING SYSTEM AREAS SHALL BE CLEAN MATERIAL COMPRISED OF SAND, OR SAND AND GRAVEL, FREE FROM ORGANIC MATTER AND FOREIGN SUBSTANCES. THE SELECT FILL SHALL MEET THE FOLLOWING REQUIREMENTS UNLESS OTHERWISE APPROVED BY THE DESIGN P.E. SELECT FILL EXCEEDING 6 PERCENT PASSING THE #200 SIEVE BASED ON WET SIEVE ANALYSIS CANNOT BE APPROVED BY THE DESIGN P.E.

1. THE SELECT FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THE THREE (3) INCH SIEVE.
2. UP TO 45% OF THE DRY WEIGHT OF THE REPRESENTATIVE SAMPLE MAY BE RETAINED (GRAVEL PORTION) ON THE #4 SIEVE.
3. THE MATERIAL THAT PASSES THE #4 SIEVE IS THEN REWEIGHED AND THE SIEVE ANALYSIS STARTED.
4. THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA

	PERCENT PASSING	
SIEVE SIZE	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

* 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.

EROSION & SEDIMENTATION CONTROL NARRATIVE

1. THE EROSION & SEDIMENTATION CONTROL PLAN AND DETAILS HAVE BEEN DEVELOPED AS A STRATEGY TO CONTROL SOIL EROSION AND SEDIMENTATION DURING AND AFTER CONSTRUCTION. THIS PLAN IS BASED ON THE "2024 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION IN COOPERATION WITH THE CONNECTICUT DEP.
2. THE PROPOSED LOCATIONS OF SILTATION AND EROSION CONTROL MEASURES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL PROVIDED SILT FENCE, STONE CHECK DAMS AND/OR OTHER EROSION CONTROL MEASURES AS NEEDED OR DIRECTED BY THE ENGINEER OR TOWN STAFF TO ADEQUATELY PREVENT SEDIMENT TRANSPORT.
3. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE.
4. THE CONTRACTOR SHALL INSPECT, REPAIR AND/OR REPLACE EROSION CONTROL MEASURES EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL OR SNOW MELT. SEDIMENT DEPOSITS MUST BE REMOVED WHEN WHEN DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL AREAS UPSLOPE ARE PERMANENTLY STABILIZED.
5. STAKED HAY BALE SILT BARRIERS OR SILT FENCE SHALL BE INSTALLED AROUND ANY TEMPORARY STOCKPILE AREAS. TEMPORARY VEGETATIVE COVER MAY BE REQUIRED (SEE NOTE).
6. INLET SEDIMENTATION CONTROL DEVICES SHALL BE INSTALLED UNDER THE GRATES OF ALL NEW CATCH BASINS AT THE TIME OF INSTALLATION, AND UNDER THE GRATES OF EXISTING CATCH BASINS IN THE CONSTRUCTION AREA.
7. CONTINUOUS DUST CONTROL USING WATER, CALCIUM CHLORIDE OR APPROVED EQUAL SHALL BE PROVIDED FOR ALL EARTH STOCKPILES, EARTH PILED ALONG EXCAVATIONS, SURFACES OF BACKFILLED TRENCHES AND GRAVELED ROADWAY SURFACES.
8. IF DEWATERING IS NECESSARY DURING ANY TIME OF CONSTRUCTION A CLEAR WATER DISCHARGE SHALL BE PROVIDED AS PROPOSED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
9. ALL DISTURBED AREAS SHALL BE RESTORED PER THE SLOPE STABILIZATION AND PERMANENT VEGETATION DETAILS. ALL DISTURBED AREAS THAT ARE SLOPED LESS THAN THREE HORIZONTAL TO ONE VERTICAL (3:1) SLOPE SHALL BE LOAMED, SEEDED, FERTILIZED AND MULCHED PER THE PERMANENT VEGETATIVE COVER SPECIFICATIONS. EROSION CONTROL MATTING SHALL BE PROVIDED ON ALL DISTURBED AREAS THAT ARE SLOPED MORE THAN THREE HORIZONTAL TO ONE VERTICAL (3:1).
10. IF FINAL SEEDING OF DISTURBED AREAS IS NOT TO BE COMPLETED BEFORE OCTOBER 15, THE CONTRACTOR SHALL PROVIDE TEMPORARY MULCHING (DORMANT SEEDING MAY BE ATTEMPTED AS WELL) TO PROTECT THE SITE AND DELAY PERMANENT SEEDING.
11. WHEN FEASIBLE, TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINISHED GRADED SHALL BE COMPLETED PRIOR TO OCTOBER 15.
12. ANY EROSION WHICH OCCURS WITHIN THE DISTURBED AREAS SHALL BE IMMEDIATELY REPAIRED AND STABILIZED. DURING THE CONSTRUCTION PHASE, INTERCEPTED SEDIMENT SHALL BE RETURNED TO THE SITE. POST SEEDING, INTERCEPTED SEDIMENT, IF ANY, SHALL BE DISPOSED OF IN A MANNER APPROVED BY THE TOWN AND ENGINEER.
13. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL VEGETATION IS RE-ESTABLISHED OR SLOPES ARE STABILIZED AND REMOVAL IS APPROVED BY THE TOWN.
14. UNFORESEEN PROBLEMS WHICH ARE ENCOUNTERED IN THE FIELD SHALL BE SOLVED ACCORDING TO THE "2024 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION IN COOPERATION WITH THE CONNECTICUT DEP.

PERMANENT VEGETATIVE COVER

TOPSOIL WILL BE REPLACED ONCE THE EXCAVATIONS HAVE BEEN COMPLETED AND THE SLOPES ARE GRADED AS SHOWN ON THE PLANS. PROVIDE SLOPE PROTECTION AS CALLED FOR ON THE PLANS AND DETAILS. TOPSOIL SHALL BE SPREAD AT A MINIMUM COMPACTED DEPTH OF 4 INCHES. ONCE THE TOPSOIL HAS BEEN SPREAD, ALL STONES TWO INCHES OR LARGER IN ANY DIMENSION WILL BE REMOVED AS WELL AS DEBRIS.

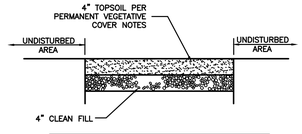
- APPLY AGRICULTURAL GROUND LIMESTONE AT THE RATE OF TWO TONS PER ACRE OR 100 LBS. PER 1000 S.F.
- APPLY 10-10-10 FERTILIZER OR EQUIVALENT AT A RATE OF 300 LBS. PER ACRE OR 7.5 LBS. PER S.F.
- WORK LIMESTONE AND FERTILIZER INTO THE SOIL TO A DEPTH OF 4 INCHES.
- INSPECT SEEDBED BEFORE SEEDING.
- IF TRAFFIC HAS COMPACTED THE SOIL, RETILL COMPACTED AREAS.
- APPLY THE FOLLOWING GRASS SEED MIX:

SEED MIXTURE

ALL DISTURBED AREAS	LBS./ACRE	LBS./1000 S.F.
KENTUCKY BLUEGRASS	75	1.72
CREEPING RED FESCUE	75	1.72
PERENNIAL RYEGRASS	25	0.58
	175	4.00

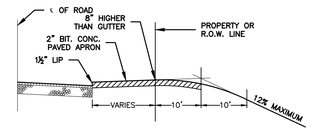
THE RECOMMENDED SEEDING DATES ARE:
APRIL 1 – JUNE 15 AND AUGUST 15 – OCTOBER 15

IMMEDIATELY FOLLOWING SEEDING, FIRM SEED BED WITH A ROLLER AND MULCH WITH WEED FREE STRAW. IF PERMANENT VEGETATIVE COVER IS HAS NOT BEEN ESTABLISHED BY OCTOBER 15, APPLY A TEMPORARY VEGETATIVE COVER ON THE TOPSOIL.



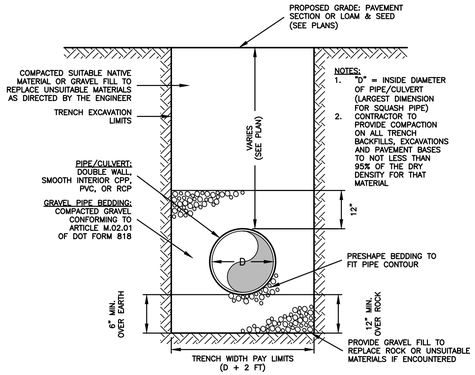
TYPICAL LOAM & SEED SECTION DETAIL (FOR ALL DISTURBED AREAS)

TYPICAL LOAM & SEED SECTION DETAIL
NOT TO SCALE

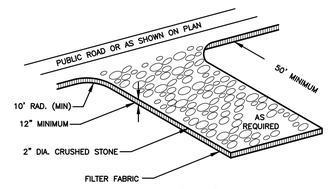


CREST CURVE IN DRIVE

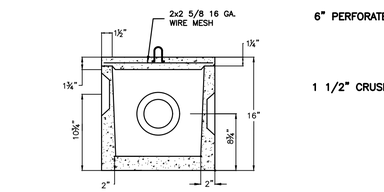
TYPICAL DRIVEWAY DETAILS
NOT TO SCALE



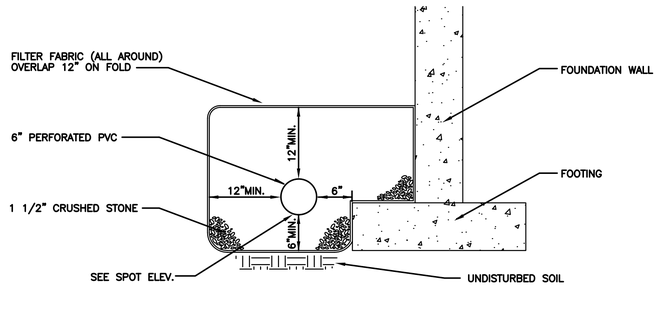
TRENCH DETAIL: DRAINAGE CULVERT
NOT TO SCALE



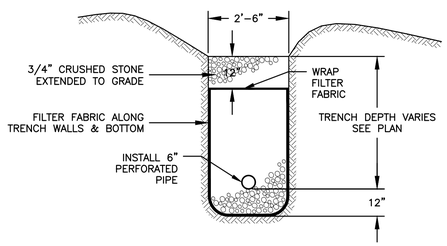
ANTI-TRACKING PAD DETAIL
NOT TO SCALE



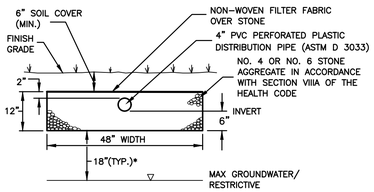
STANDARD D-BOX DETAIL
NOT TO SCALE



FOUNDATION DRAIN DETAIL
NOT TO SCALE

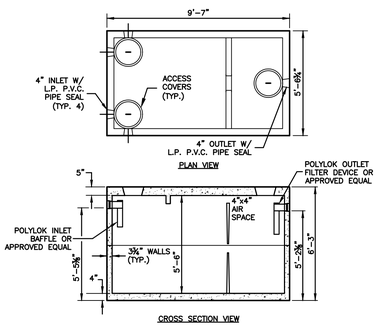


CURTAIN DRAIN DETAIL
NOT TO SCALE



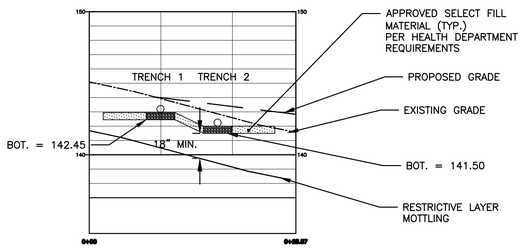
* INCREASE TO 24" WHERE PERC RATE IS FASTER THAN 5.0 MIN/IN

12" x 48" LEACHING TRENCH DETAIL
NOT TO SCALE



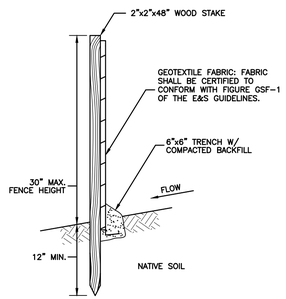
1. DIMENSIONS MAY VARY DEPENDING ON TANK MANUFACTURER (UNITED CONCRETE SHOWN)
2. CONCRETE – 4,000 P.S.I. AT 28 DAYS
3. STEEL REINFORCEMENT– ASTM A-615 GR. 60, A-185 OR A-497, 1" MIN. COVER
4. CONSTRUCTION JOINT–SEALED WITH 1" DIA. BUTYL RUBBER OR EQUIVALENT.
5. SEPTIC TANK SHALL MEET THE REQUIREMENTS OF SECTION 5 OF THE CT PUBLIC HEALTH CODE
6. PROVIDE RISERS AND ACCESS COVER TO WITHIN 12" OF FINISHED GRADE. TANK ACCESS COVERS TO REMAIN IN PLACE.

1,500 GALLON REGULAR DUTY SEPTIC TANK DETAIL
NOT TO SCALE



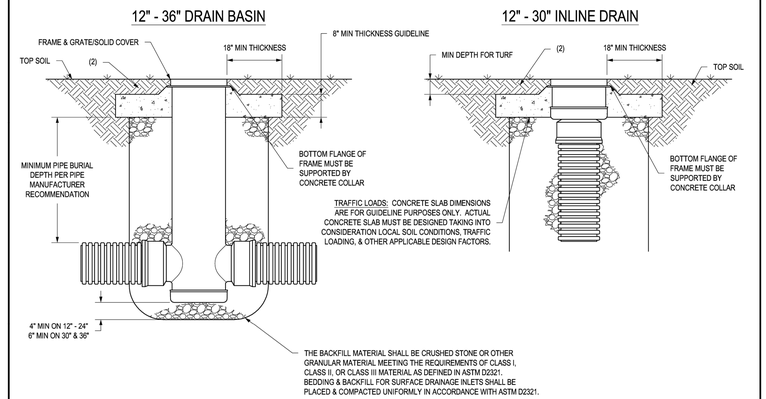
SEPTIC SYSTEM PROFILE

SECTION A–A
HORIZONTAL SCALE: 1"=10' VERTICAL SCALE: 1"=5'



SILT FENCE SECTION
NOT TO SCALE

NYLOPLAST TURF TRAFFIC INSTALLATION



1. GRATES/SOLID COVERS SHALL MEET H-20 LOAD RATING FOR 30" PEDESTRIAN & 12" - 30" STANDARD & SOLID
2. DESIGN SHOULD ACCOUNT FOR ROOT DEPTH TO ALLOW TURF TO GROW AND PREVENT EROSION AROUND GRATE SO THAT HAZARDS DO NOT FORM.
3. 36" DRAIN BASIN REQUIRES 36"X30" REDUCING CONE. REDUCING CONE REQUIRES 2.25FT MINIMUM FROM GRADE TO TOP OF PIPE.

DRAWN BY	EBC
DATE	01-05-09
REVISED BY	NMH
DATE	06-12-18
DWG SIZE	A
SCALE	1:25
SHEET	1 OF 1
MATERIAL	
PROJECT NO./NAME	
TITLE	DRAIN BASIN & INLINE DRAIN TURF TRAFFIC INSTALLATION
DWG NO.	7001-110-340
REV	G

ADS Nyloplast
3130 VERONA AVE
BUFORD, GA 30518
PHN (770) 932-2443
FAX (770) 932-2490
www.nyloplast-us.com

No.	DATE	REVISION

CLA Engineers, Inc.
CIVIL • STRUCTURAL • SURVEYING
317 Main Street Norwich, CT 06360
(860) 886-1966 Fax (860) 886-9165

GLEN ROAD MONTVILLE, CT 06382

SITE PLAN PREPARED FOR EBADATH CHOWDHOURY

DETAILS

Project No. CLA-8020
Proj. Engineer E.B.
Date: 05/30/25
Sheet No. 3

CLA