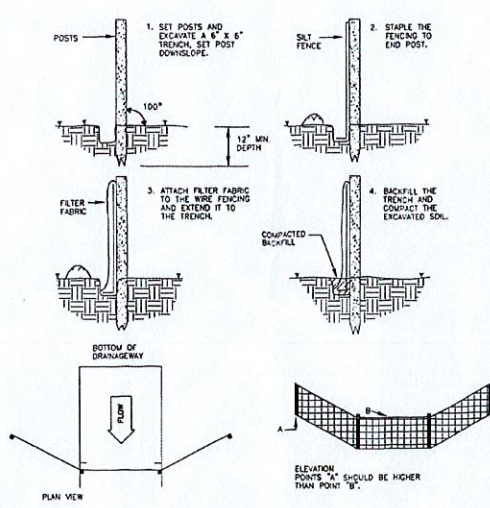


PLACEMENT AND CONSTRUCTION OF A SYNTHETIC FILTER BARRIER



TEMPORARY SEEDING SCHEDULE:

SPECIES	LBS/ACRE	LBS/1000SF	SEEDING DATES
ANNUAL RYEGRASS	40	1.0	3/1-6/15, 8/1-10/15
WINTER RYE	120	3.0	4/15-7/1, 8/15-10/15
SUDANGRASS	30	0.7	5/15-8/1

TEMPORARY SEEDING IS NOT LIMITED TO THE SPECIES SHOWN. OTHER SPECIES RECOMMENDED BY THE SCS OR AS LIMITED BY SITE CONDITIONS MAY BE USED.

STRAW MULCH IS TO BE APPLIED TO SEEDING AREA AT THE RATE OF 1-1/2 TO 2 TONS PER ACRE, 70 TO 90 LBS. PER 1000 SQ. FT.

FINAL SEEDING SCHEDULE:

PROVIDE 4 INCHES OF TOPSOIL, MINIMUM, FREE OF ROOTS, LARGE STONES, AND OTHER OBJECTS.

SPECIES	LBS/ACRE	LBS/1000SF	SEEDING DATES
KENTUCKY BLUEGRASS	20	0.45	4/1-6/15, 8/15-10/1
CREEPING RED FESCUE	20	0.45	4/1-6/15, 8/15-10/1
PERENNIAL RYEGRASS	5	0.10	4/1-6/15, 8/15-10/1
TOTAL	45	1.00	

CONSTRUCTION SCHEDULE & EROSION & SEDIMENT CONTROL CHECKLIST

PROJECT NAME: ANDOVER LAKE PROPERTY
LOCATION: 17 LAKESIDE DRIVE, ANDOVER CT
PROJECT DESCRIPTION: IMPROVEMENTS TO SINGLE FAMILY HOUSE
PARCEL AREA: 1.9± ACRES
RESPONSIBLE PERSONNEL: PAUL UCCELLO

WORK DESCRIPTION	EROSION & SEDIMENT CONTROL MEASURES	DATE INSTALLED	INITIALS
CLEAR BRUSH NORTH OF HOUSE AS SHOWN	INSTALL SILTFENCE AS SHOWN		
INSTALL GENERATOR AND PROPANE TANK	LOAM AND SEED ALL DISTURBED AREAS		
REMOVE EXISTING OIL TANK	INSTALL SILTFENCE AS SHOWN		
REMOVE EXISTING COVERED PATIO	LOAM AND SEED ALL DISTURBED AREAS		
CONSTRUCT PROPOSED DINING ROOM	REMOVE EROSION CONTROLS WHEN SITE IS STABILIZED		
ALL CONSTRUCTION DEBRIS TO BE REMOVED FROM SITE			
SURPLUS MATERIAL MAY BE SPREAD AROUND ADDITION			

PROJECT DATES:
DATE OF CONSTRUCTION START: ASAP
DATE OF CONSTRUCTION COMPLETION: ONE YEAR FROM START

EROSION AND SEDIMENT CONTROL PROCEDURES SHALL ESSENTIALLY BE IN ACCORDANCE WITH THESE PLANS, AS REQUIRED BY TOWN REGULATIONS, AND THE MANUAL "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" FOR CONNECTICUT, BY THE COUNCIL ON SOIL AND WATER CONSERVATION, 1985, REVISED TO 2002.

PROPOSED VARIANCES
THE LAKE ZONE HAS A 75' REAR YARD SETBACK.
A VARIANCE HAS BEEN GRANTED TO REDUCE THE REAR YARD SETBACK FROM 75' TO 50' FOR THE EXISTING HOUSE.

PROPOSED GENERATOR	32' TO REAR PROPERTY LINE
PROPOSED PROPANE TANK	18' TO REAR PROPERTY LINE
PROPOSED DINING ROOM	37' TO REAR PROPERTY LINE

LEGEND

190.2	EXISTING ELEVATION
190x2	PROPOSED ELEVATION
-190	EXISTING CONTOUR
190	PROPOSED CONTOUR
---	EDGE PAVEMENT
---	PROPERTY LINE
---	PROP. REPLACEMENT SYSTEM
---	PERCOLATION TEST
---	HAYBALES/SILT FENCE
---	EXISTING IRON PIN
---	PROPOSED BRUSH LINE

IMPROVEMENT LOCATION SURVEY
PERMIT PLAN
ANDOVER LAKE PROPERTY
17 LAKESIDE DRIVE
PREPARED FOR UCCELLO DEVELOPMENT
ANDOVER, CONNECTICUT

GARDNER & PETERSON ASSOCIATES, LLC
178 HARTFORD TURNPIKE
TOLLAND, CONNECTICUT

BY	SCALE	DATE	SHEET NO.	MAP NO.
M.A.P.	1"=20'	09-02-2011	2 of 2	10453A

HEALTH DEPARTMENT DESIGN NOTES - R4: BUILDING ADDITION
The improvements to the proposed parcel include:

- Removal of an existing covered patio and construction of a dining room in the same location.
- Installation of a propane tank.
- Installation of a

A B-100e approval for a building addition is required. The proposed replacement system meets the requirements since:

- The replacement system provides 50% effective leaching area.
- The replacement system provides 50% MLSS.
- The replacement system does not require a well exception.
- The addition does not reduce the potential repair area due to the proximity to the house, well, and lake.
- The building addition does not increase the design flow.

NOTES - SEPTIC SYSTEM ANALYSIS

- Deep test pit results from Eastern Highland Health Department files. Percolation test performed by Gardner & Peterson Associates, LLC.
- Design based on a 3 bedroom house and a percolation rate in the range of 1-5 min./inch.
- Replacement system contains 40 l.f. of Manita 430-10 top distribution, 12 inches high by 42 inches wide, or 440 s.f. of leaching area.

MINIMUM LEACHING SYSTEM SPREAD (MLSS)
HYDRAULIC FACTOR (HF) X FLOW FACTOR (FF) X PERCOLATION FACTOR (PF)
MLSS = HF X FF X PF 34 x 1.5 x 1.0 = 51

HYDRAULIC FACTOR (HF)

TO R E S T R I C T I V E L A Y E R D E P T H	HYDRAULIC GRADIENT (% OF SLOPE)									
	<1	1.1-2	2.1-3	3.1-4	4.1-6	6.1-8	8.1-10	10.1-15	>15	
<17.9	SEE NOTE #1									
18-22	72	62	54	48	42	34	30	28	26	
22.1-26	66	56	48	42	34	30	28	26	24	
26.1-30	56	49	42	34	30	28	26	24	20	
30.1-36	48	42	34	30	28	26	24	20	18	
36.1-42	42	36	30	28	26	24	20	18	16	
42.1-48	36	32	28	26	24	20	18	16	14	
48.1-60	30	28	24	22	20	18	16	14	10	
>60	MLSS NEED NOT BE CONSIDERED									

#1-CANNOT BE APPROVED UNLESS HYDRAULIC ANALYSIS DEMONSTRATES SUITABILITY
FLOW FACTOR (FF) = DESIGN FLOW 300 SO: 3 BEDROOMS = 450 = 1.5
4 BEDROOMS = 600 = 2.0

PERCOLATION FACTOR (PF) LESS THAN 5 MIN/IN = 1.0
5.1 - 10 = 1.2
10.1 - 20 = 1.5

SOIL TESTING RESULTS-EH40 FILES
FROM: PLAN OF LAND FOR RONALD BELANGER ANDOVER, CT
DATE: 3/1/89. SCALE: 1"=20' BY FAIRBANK ENGINEERING ASSOCIATES
DATE TESTED: 9/21/11

TH 1
0-8" TOPSOIL
8-30" BROWN SANDY LOAM WITH SOME SILT
30-90" FINE SILTY SAND-LOOSE PACKED
WATER ENTERING @ 35"
MOTTLING OBSERVED @ 29"

TH 2
0-7" TOPSOIL
7-26" BROWN FINE SILTY LOAM
26-100" FINE SILTY SAND-LOOSE PACKED
WATER ENTERING @ 40"
MOTTLING OBSERVED @ 29"

TH 3
0-10" TOPSOIL
10-30" BROWN SANDY LOAM WITH SOME SILT
30-84" FINE SILTY SAND-LOOSE PACKED
WATER ENTERING @ 70"
MOTTLING OBSERVED @ 29"

TH 4
0-9" TOPSOIL
9-28" FINE SANDY SILT LOAM
28-84" FINE SILTY SAND-LOOSE PACKED
WATER ENTERING @ 70"
MOTTLING @ 28"

PERCOLATION TEST DATA
BY: GARDNER & PETERSON ASSOCIATES, LLC
DATE TESTED: 9/21/11

DEPTH = 24"
0-12" TOPSOIL
12-24" LIGHT BROWN SANDY LOAM
MARK DOWN @ PRESERVED AT 9:30
DRY AT 9:45

TIME DEPTH
9:48 10"
9:50 12"
9:52 13 1/2"
9:54 15 1/4"
9:58 18"
10:00 19 1/4"
10:02 20 1/2"
10:04 21 1/4"
10:06 22 1/4"

RATE: 1-5 MIN/IN

ILWIC 22-05 (17 Lakeside DR)
Proposed conditions (Barn construction)
Submitted 05-24-2022

SEPTIC NOTE:
THE SEPTIC AREA SHALL NOT BE STRIPPED OR DISTURBED UNTIL ALL TRENCHES HAVE BEEN FIELD STAKED. ANY FILLING, PARKING OR OTHER DISTURBANCE IN THE SEPTIC AREA MAY CAUSE THE LEACHING AREA TO BE UNUSABLE.