



TOWN OF PUTNAM

TOWN HALL
200 SCHOOL STREET
PUTNAM, CONNECTICUT 06260

Inland Wetland Commission Meeting Hybrid Meeting
December 11, 2024 7:00 P.M.
Municipal Complex Room 201 Second Floor

Agenda:

Call to Order & Roll Call:

Seating of alternate:

Review minutes of the November 13, 2024 meeting. VOTE REQUIRED

Review minutes of the November 17, 2024 special meeting. VOTE REQUIRED

Correspondence:

Public Participation:

New Business: VOTE REQUIRED

On-Site Inspection-379 Liberty Highway

Other Business: VOTE REQUIRED

Review of By-Laws

Accepting of new applications for January 8, 2025 meeting.

Agent Updates:

Comments by Commissioners

Adjournment.

Topic: Wetlands Zoom Meeting

Time: Dec 11, 2024 07:00 PM Eastern Time (US and Canada)

Join Zoom Meeting

<https://us06web.zoom.us/j/85480769429?pwd=nghh5dlk2kuWaGDsoe8oLPIJdra5Lb.1>

Meeting ID: 854 8076 9429

Passcode: 5Tj9Lr

By Phone

- +1 929 205 6099 US (New York)

Meeting ID: 854 8076 9429

Passcode: 720956

Find your local number: <https://us06web.zoom.us/u/kbz8ML1XBh>



TOWN OF PUTNAM

TOWN HALL
200 SCHOOL STREET
PUTNAM, CONNECTICUT 06260

Inland Wetland Commission Meeting Hybrid Meeting Minutes
November 13, 2024 7:00 P.M.
Municipal Complex Room 201 Second Floor

Present: Adam Paquin-Chairman, Walter Irwin, Theodore Altmeier

Absent: Cynthia Dunne

Show Cause Hearing, Cease-and-Correct Order 24-0, Sukpaseuth Phongsa and Khamphanh Phongsa,
601 & 603 School St.

Sukpaseuth Phongsa was present.

Bruce Fitzback reviewed the history of the property with the Commission. On April 16, 2024, Mr. Phongsa visited the office stating that he would not be doing the parking lot and that it would be too expensive. He was informed that a remediation plan would be necessary if he would not be constructing the parking lot. Mr. Fitzback, stated he received a voice mail from J & D Civil Engineers regarding Mr. Phongsa late afternoon on the day of the meeting. However, the message was received after the close of the business day as his phone was off while he attended a conference.

Mr. Phongsa showed Mr. Fitzback a plan. Mr. Fitzback stated that the plan shown would not be adequate. Motion by Theodore Altmeier to close the public hearing at 7:14 P.M., second by Walter Irwin. ALL WERE IN FAVOR.

Regular Meeting:

Seating of alternate: N/A

Review minutes of the October 9, 2024 meeting.

Motion by Theodore Altmeier to accept the minutes, second by Walter Irwin. ALL WERE IN FAVOR.

Correspondence: None

Public Participation: None

Unfinished Business:

Motion by Theodore Altmeier to add the vote of the show cause hearing, second by Walter Irwin. ALL WERE IN FAVOR.

Motion by Theodore Altmeier that the order stands at this time, second by Walter Irwin. ALL WERE IN FAVOR.

New Business:

Application # 2024-04 Thalia Field - Proposed maintenance plan for the outfall for Cady Pond. The applicant should read Cady Pond HOA-Jamie Jewett President, not Thalia Field. George Logan, Certified Professional Wetland Scientist, Registered Soil Scientist, Certified Senior Ecologist of REMA Ecological Services, LLC joined the meeting via zoom and reviewed the plans with the Commission.

Motion by Theodore Altmeier to approve, second by Walter Irwin. ALL WERE IN FAVOR.

Application # 2024-05 Bellavance & Gates LLC - 571 Liberty Highway-Parking Lot Expansion

Greg Glaude of Killingly Engineering reviewed the expansion plans with the Commission.

Motion by Theodore Altmeier to approve, second by Walter Irwin. ALL WERE IN FAVOR.

Other Business:

Review of By-Laws:

Motion by Adam Paquin to table the review, second by Walter Irwin. ALL WERE IN FAVOR

Meeting schedule for 2025

Motion by Theodore Altmeier to hold the meetings on the second Wednesday of the month at 7:00 P.M., second by Walter Irwin. ALL WERE IN FAVOR

Theodore Altmeier expressed his concerns about parked vehicles in the woods abutting his property stating, he recently filed a complaint regarding his concerns about unregistered vehicles and the effect it could have on the wetlands. He would like the Inland Wetland Commission to do an onsite inspection.

Motion by Adam Paquin to hold an onsite inspection on Sunday November 17, 2024 at 11:00 P.M., second by Walter Irwin. ALL WERE IN FAVOR

Accepting of new applications for December 11, 2024 meeting. None

Agent Updates: None

Comments by Commissioners: None

Moton by Theodore Altmeier to adjourn at 8:37 P.M., second by Walter Irwin. ALL WERE IN FAVOR.

Respectfully submitted by Brenda Roy.

Please note these minutes have not been accepted by the Commission and will be placed on their next meeting agenda.



TOWN OF PUTNAM

TOWN HALL
200 SCHOOL STREET
PUTNAM, CONNECTICUT 06260

Inland Wetland Commission Special Meeting Minutes
ON SITE INSPECTION
Sunday November 17, 2024
379 Liberty Highway

The site inspection began at 11:00 A.M.

Present: Adam Paquin Chairman, Scott Erwin, Theodore Altmeier,
Bruce Fitzback Agent

Mr. Altmeier guided attendees to the northerly part of his property and pointed out various vehicles on the adjoining property located at 441 Liberty Highway and signs of wetlands on his property.

The site inspection ended at 11:35 A.M.

Bruce Fitzback, Agent

Bruce Fitzback

From: Ted Altmeier <calamityted@yahoo.com>
Sent: Monday, September 23, 2024 7:12 PM
To: Bruce Fitzback
Cc: Brenda Roy; valerie@crpremier.com
Subject: Wetlands, zoning violation 449/441 Liberty Hwy.

Good Morning Bruce.

I, wish to innitiate a complaint against Robert Comtois, Kathryn Comtois/Nash, The Estate of Robert Comtois Sr., Valerie Edwards, and C R Premier Properties.

The basis for this complaint is the use of an existing shared driveway access to the rear lot 441 Liberty Hwy.

While posting the existing shared property line it came to my attention that multiple, (actual number unknown at this time), unregistered motor vehicles, cars, trucks, tractors, etc. are parked adjoining my property line within 100 feet of Little Dam Tavern Brook and it's headwater.

My complaint is with Wetland's and zoning, though a Blight complaint may be warranted.

I look forward to speaking to you concerning this matter.

Thank You,
T. W. Altmeier

INLANDS-WETLANDS AND CONSERVATION COMMISSION
TOWN OF PUTNAM

APPENDIX A

APPLICATION FOR PERMIT

THIS APPLICATION IS FOR THE USE OF INLAND WETLANDS AND WATER COURSES.

THE MEETING IS HELD ON THE SECOND WEDNESDAY OF EVERY MONTH AT 7:00 P.M. AT THE TOWN HALL.

IF AN ON SITE INSPECTION IS CANCELED DUE TO INCLEMENT WEATHER, THE APPLICANT IS ASKED TO CALL THE OFFICE AT 928-2625 ONE HALF HOUR BEFORE SCHEDULED INSPECTION TO SEE IF OR WHEN THE INSPECTION WILL BE HELD.

Name & Address of Applicant

449 Robert F. & Cheryl L. Comtois
479 Liberty Highway
Putnam, CT 06260

Name and Address of Property Owner

Robert Comtois
479 Liberty Highway
Putnam, CT 06260

Location and Description of Proposed Activity

on East side of Liberty Highway Ch. & P. Pub. (S. & T. Co. 528) - To Construct a driveway along the southern side of property incl. adjustment and modifications to existing culvert for a proposed dwelling located in the easterly portion of the lot. Also, to divide the property into a new proposed building lot.

Activity and Purpose Code please circle one in each column that best describes the activity proposed.

Code# Activity Type Code# Activity Purpose

- | | |
|---------------------------|--|
| ① Filling | A. Residential Improvement by Homeowner |
| ② Excavation | B. New Res. Development Single Family |
| 3. Land Clearing | C. New Res. Development Multi-Fam/Condo |
| 4. Stream Channel. | D. Commercial/Industrial Uses |
| 5. Stream Stabiliz. | E. Municipal Improvements |
| 6. Stream Clearance | F. Utility Company Improvements |
| ⑦ Culverting | G. Agriculture, Forestry or Conservation |
| ⑧ Und. Grd. Util. | H. Wetland Creation/Restoration |
| 9. Roadway Const. | I. Storm Water/Flood Control |
| 10. Drainage Imp. | J. Erosion/Sedimentation Control |
| 11. Pond Dredge | K. Recreation/Boating/Navigation |
| Dam Construction | |
| 12. Activity Buffer | L. Routine Maintenance |
| Setback Area | |
| 13. Other Please Describe | |

INLANDS-WETLANDS AND CONSERVATION COMMISSION

TOWN OF PUTNAM

Project Name (if any) Contris Land Division

Estimate Of Linear Footage Affecting Wetlands 40' LF

Affected Number of Acres In Which Wetlands Are
Part Of The Impacted Area For Multi-Family, Condos,
And Commercial Development. N/A

Signature of Applicant SEE BELOW

TO BE COMPLETED BY COMMISSION.

Application # 2001-11 Date of Receipt 11-7-2001

Application Approved (Date) _____
Conditions Of Approval, If Any, _____

Application Denied (Date) _____
Reason For Denial _____

Signature Of Chairman Or Secretary Of Commission.

Robert Contris 11/05/01
Robert Contris DATE

REPORT OF INVESTIGATION FOR SEWAGE DISPOSAL SYSTEM
NORTHEAST DISTRICT DEPARTMENT OF HEALTH
136 MAIN STREET, SUITE 301
DANIELSON CT 06239
860 774 7350

TOWN: Putnam
STREET: Liberty Highway

FILE NO. 020011555 MAP # 107 BLOCK # LOT # 15 DEV LOT #
Owner: Robert Cantors Date Tested: 10/16/01
Observed by: Moureen Maricay SOIL MOISTURE:
(high, med., low, etc.)

Subdivision: Lots, Additional Testing: , Repair: , New Testing: x

PERCOLATION TEST READINGS:

HOLE # A		HOLE #		HOLE # B		HOLE #	
Time	Reading	Time	Reading	Time	Reading	Time	Reading
10:09	2.325"			10:07	4"		
10:19	5"			10:17	8"		
10:29	7"			10:27	10.75"		
10:39	8.75"			10:37	13.25"		
10:49	10.125"			10:47	dry		

TABULATION OF PERCOLATION TEST RESULTS

Hole #	Location	Depth (Inches)	Presoak/Hours	Minimum Percolation Rate Mins./Inch
A		16"	yes	7.2 mins per inch
B		17"	yes	4 mins per inch

OBSERVATION PITS: (Record All Pits) Ground Water Table:
(Near Max., Below Max., Etc.)

OBSERVATION DATE: 10/16/01

SOIL DESCRIPTIONS

PIT # 1	PIT # 2	PIT # 3	PIT #
0-11" Top Soil with organics	0-10" Top Soil with organics	0-11" Top Soil with organics	
11"-36" sandy loam roots	10-26" loamy sand with roots	11"-26" loamy sand roots	
36"- Mod Compact Loamy fine sand	26"-37" loamy fine sand fine roots	26"-37" loamy fine sand fine roots light	
	37" Mod Compact loamy fine sand	37"- Mod Compact Loamy fine sand	

TABULATION OF OBSERVATION PITS

Pit #	Location	Slope	Depth	Ledge At	Ground Water At	Soil Mottling At	Restrictive
1			91"	—	—	36"	Restrictive
2			87"	—	—		37"
3			91"	—	—	37"	

OWNER: Robert Contois

FILE # 02001165

LOCATION: Liberty Highway, Putnam

MAP # 107 BLOCK # _____ LOT # 15

SUBDIVISION: _____ LOTS, ADDITIONAL TESTING: _____, REPAIR: _____, NEW TESTING: ^X _____

SPECIAL CONDITIONS

SYSTEM DESIGN LARGER THAN 2,000 G.P.D.: _____
HIGH GROUND WATER (LESS THAN 3 FEET): _____
POSSIBLE SEASONAL HIGH GROUND WATER: _____
MIN. PERCOLATION RATE FASTER THAN 1 MIN/IN: _____
MIN. PERCOLATION RATE SLOWER THAN 30 MIN/IN: _____
NEARBY PUBLIC WATER SUPPLY WELL: _____
=====

LIMITED USABLE SIZE: _____
WATER COURSE, POND, WETLAND: _____
POSSIBLE SEASONAL FLOODING: _____
SHALLOW LEDGE (LESS THAN 5 FT): _____
EXCESSIVE SLOPE (OVER 25%): _____
OTHER: _____
=====

CONCLUSION

SUITABLE FOR SEWAGE DISPOSAL _____
UNSUITABLE FOR SEWAGE DISPOSAL _____
ADDITIONAL INVESTIGATION REQUIRED (4) _____
RETEST DURING THE WET SEASON _____
ENGINEER'S PLAN REQUIRED _____
SURVEYOR'S SITE PLAN REQUIRED _____

LOCATION SKETCH

DESIGN RECOMMENDATIONS

Based on 3 bedroom the following
is required. ① 1000 gal septic tank
② 495 sq ft of effective leach area
③ Max trench depth not to exceed
18 inches into grade.
④ Site plan drawn to scale showing
house, well and septic layout, et
to be submitted to NDDH for review prior to
any final determinations

INVESTIGATED BY: Amanda Hearnup

TITLE: RS

CONFIRMED BY: _____

TITLE: _____

COMMENTS: _____

COPIES TO: APPLICANT: _____ ENGINEER: _____ OTHER: _____

Connecticut Ecosystems LLC

- Wetland Delineation • Wetland & Aquatic Evaluation • Natural Resource Inventories
- Mitigation • Project Planning • Permit Assistance • Expert Testimony



ON-SITE SOIL INVESTIGATION REPORT

Project Name & Location

449 Liberty Highway

Putnam, CT

CE Job No.: 01-466

Field Investigation Date(s): 9/10/01

Field Investigation Method(s):

- ☒ Spade & Auger
- ☐ Backhoe & Test Pits
- ☐ Other:

Report Prepared For:

Mr. Rob Comtos

449 Liberty Highway

Putnam, CT

Field Conditions:

Weather: sunny & hot

Soil Moisture: low

Snow Depth: ---

Frost Depth: ---

Purpose of Investigation:

- ☒ Wetland Delineation/Flagging
- ☐ Sketch Wetland Boundaries on Base Map (No Flagging)
- ☐ High Intensity Soil Mapping by Soil Scientist
- ☒ Medium Intensity Soil Mapping from SCS Soil Survey Maps

Base Map Source: Property topographic map

Wetland Boundary Marker Series: CE 1-1→1-32

CE 2-1→2-62 (including 2-49.1→2-49.6) CE 3-1→3-9

Intermittent Watercourse Marker Series: ---

General Site Description/Comments: The property contains a house and several associated buildings. A wet meadow is located in a pasture at the front of the property, and a red maple swamp occurs at the rear of the site.

CONNECTICUT ECOSYSTEMS LLC
ON-SITE SOIL INVESTIGATION REPORT (CONTINUED)

Project Name & Site Location: 449 Liberty Highway Putnam, CT
Project #: 01-466

SOIL MAP UNITS

WETLAND SOILS

Ridgebury, Leicester and Whitman Complex (Rn)

This complex consists of poorly drained Ridgebury and Leicester soils, and very poorly drained Whitman soils, described separately below. The complex consists of about 35 percent Ridgebury soils, 30 percent Leicester soils, 20 percent Whitman soils, and 15 percent other soils.

Ridgebury Series

The Ridgebury series consists of deep, poorly and somewhat poorly drained soils formed in a coarse-loamy mantle underlain by firm, compact glacial till on uplands. They are nearly level to moderately steep soils on till plains, low ridges and drumloidal landforms. The soils formed in acid glacial till derived mainly from schist, gneiss or granite.

Typically these soils have a black sandy loam surface layer 6 inches thick. The mottled subsoil from 6 to 16 inches is olive gray sandy loam. The mottled substratum from 16 to 60 inches is a light olive brown and olive, very firm and brittle gravelly sandy loam.

The seasonal high water table is within 0 to 18 inches of the surface from late fall through spring. Surface runoff is slow to medium. Permeability is moderate to moderately rapid in the surface layer and subsoil and slow or very slow in the dense substratum. A perched, fluctuating water table above the dense till saturates the solum to or near the surface for 7 to 9 months of the year.

Leicester Series

The Leicester series consists of deep, poorly drained loamy soils formed in friable glacial till on uplands. They are nearly level to gently sloping soils in drainage ways and low lying positions on till covered uplands. The soils formed in acid glacial till derived mainly from schist, gneiss or granite.

Typically, these soils have a surface layer of black fine sandy loam 6 inches thick. The subsoil from 6 to 23 inches is grayish brown, mottled fine sandy loam. The substratum from 26 to 60 inches or more is dark yellowish brown, mottled, friable, gravelly fine sandy loam.

**CONNECTICUT ECOSYSTEMS LLC
ON-SITE SOIL INVESTIGATION REPORT (CONTINUED)**

**Project Name & Site Location: 449 Liberty Highway Putnam, CT
Project #: 01-466**

Leicester soils are poorly drained. The seasonal high water table is within 0 to 18 inches of the surface from late fall through spring. Surface runoff is slow. Permeability is moderate or moderately rapid in the surface layer and subsoil and moderately rapid to rapid in the substratum.

Whitman Series

The Whitman series consists of very poorly drained soils formed in a coarse-loamy mantle underlain by firm, compact glacial till on uplands. They occur in drainageways, at the base of hills and ridges, and in depressions. These soils formed in acid glacial till derived mainly from schist and gneiss. They are characterized by a dense, very firm hardpan at a depth of 22-60 inches.

UPLAND (NON-WETLAND) SOILS

Canton & Charlton Complex (Cb)

This undifferentiated complex consists of Canton and Charlton soils, which are described separately below.

Canton Soils

The Canton series consists of deep, well drained soils formed in a coarse-loamy mantle underlain by sandy glacial till on uplands. They are nearly level to very steep soils on till plains and hills. The soils formed in acid glacial till derived mainly from schist, gneiss or granite.

Typically, these soils have a surface layer of very dark grayish brown fine sandy loam 2 inches thick. The subsoil from 2 to 23 inches is yellowish brown fine sandy loam, gravelly fine sandy loam and gravelly sandy loam. The substratum from 23 to 60 inches is pale brown gravelly loamy sand.

The water table is commonly at a depth of more than 6 feet. Surface runoff is medium to rapid. Permeability is moderate or moderately rapid in the surface layer and subsoil and rapid in the substratum.

Charlton Series

The Charlton series consists of gently sloping, well drained soils and range from nonstony to extremely stony. Charlton soils occur on the landscape on broad hilltops, ridge tops, and glacial till plains. They formed in glacial till parent material derived

CONNECTICUT ECOSYSTEMS LLC
ON-SITE SOIL INVESTIGATION REPORT (CONTINUED)

Project Name & Site Location: 449 Liberty Highway Putnam, CT
Project #: 01-466

mainly from schist and gneiss. Unlike the Paxton soils, which occur on the same landscape, the Charlton soils are not characterized by a dense hardpan.

Typically, the solum is 8 inches thick, dark brown fine sandy loam. The yellowish brown subsoil is 18 inches thick, and the substratum is grayish brown gravelly fine sandy loam to a depth of 60 inches.

Permeability in Charlton soils is moderate or moderately rapid. The soil has a high available water capacity, and runoff is medium.

Sutton Series (Sv)

The Sutton series consists of deep, moderately well drained loamy soils formed in friable, glacial till on uplands. They are nearly level to steeply sloping soils on till plains, low ridges and hills, being typically located on lower slopes and in slight depressions. The soils formed in acid glacial till derived mainly from schist, gneiss or granite.

The seasonal high water table is within 18 to 30 inches of the surface from late fall through spring. Surface runoff is slow to medium. Permeability is moderate or moderately rapid throughout.

The accompanying soil map and on-site soil investigation narrative were done in accordance with the classification of the National Cooperative Soil Survey, USDA National Resource Conservation Service and the County Identification legend. The investigation was conducted and reviewed by a Registered Soil Scientist.

Respectfully submitted,

Connecticut Ecosystems LLC



Edward M. Pawlak
Registered Soil Scientist
Certified Professional Wetland Scientist

Russ

⑭
11.6 AC.

Bruce

⑮
15 AC.

SEE MAP T-7

Combs

T-8

②
6 AC.

①
5.4 AC.

⑭
3 AC.

⑯
10.75 AC.

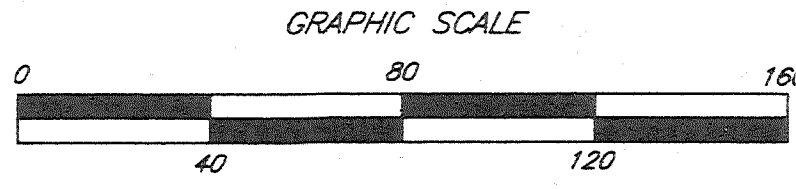
ROUTE 21

752.

1C.



GENERAL NOTES



LEGEND

- EXISTING IRON PIN
- PROPERTY CORNER
- EXISTING MONUMENT
- ▣ MONUMENT TO BE SET
- PROPERTY BOUNDARY ANGLE POINT
- 400' --- EXISTING STONE WALL
- 400' --- EXISTING CONTOUR
- W.F. PROPOSED CONTOUR
- 22' WETLAND FLAG
- LIMIT OF FIELD DETERMINED WETLANDS
- ⊗ DEEP HOLE OBSERVATION SOIL TEST PIT
- ⊕ PERCOLATION TEST HOLE
- ⊖ UTILITY POLE

TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON AND THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300B-1 THRU 20-300B-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES - "MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ENDORSED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. IT IS A _____ SURVEY BASED ON A _____ CONFORMING TO HORIZONTAL ACCURACY CLASS _____.

(SEE NOTES HEREON)

SURVEYORS SIGNATURE 00/00 12056
DATE LICENSE NUMBER

COPYRIGHT © 2001
MESSIER & ASSOCIATES, INC.
SURVEYORS - ENGINEERS

THESE DRAWINGS ARE THE PROPERTY OF THE ENGINEER/
SURVEYOR AND HAVE BEEN PREPARED SPECIFICALLY FOR
THE OWNER FOR THIS PROJECT AT THIS SITE, AND ARE
NOT TO BE USED FOR ANY OTHER PURPOSE, LOCATION,
OR OWNER WITHOUT WRITTEN CONSENT OF THE ENGINEER/
SURVEYOR.

NO DECLARATION IS EXPRESSED OR IMPLIED UNLESS THIS
PLAN BEARS THE EMBOSSED SEAL OF THE LAND SURVEYOR
AND A PROFESSIONAL ENGINEER WHOSE SIGNATURE
APPEARS THEREON.

MESSIER & ASSOCIATES, Inc.
SURVEYORS - ENGINEERS
PUTNAM, CT. (860) 928-1171
MANCHESTER, CT. (860) 646-6013

PLANNING – SURVEY – DESIGN – CONSTRUCTION

SUBDIVISION PLAN

PREPARED FOR

ROBERT COMTOIS

STREET
PUTNAM, CONNECTICUT

[illegible]

EROSION AND SEDIMENT CONTROL SEQUENCE & INSPECTION
CHECKLIST FOR LOT DEVELOPMENT

PROJECT NAME: Giuseppe & Maria Modugno

PROJECT LOCATION: 486 School Street, East Hartford, CT

PROJECT DESCRIPTION: Development of a building lot for single family residential use. The proposed development will include construction of a single family home, driveway, footing drain and outlet, subsurface sewage disposal system, potable water supply well, water service, and utility services. Soil removal, filling and/or grading will be performed in association with the proposed development.

TOTAL PARCEL AREA: 2.389 + acres

ESTIMATED STARTING DATE: April 15, 1999

ESTIMATED COMPLETION DATE: To Be Determined

RESPONSIBLE PERSON: Raymond Pochecco
44 South Woody Hill Road
Westerly, RI 02891
Telephone (401) 322-1342

EROSION AND SEDIMENT CONTROL PLAN PREPARED BY: Messier & Associates, Inc.
288 Main Street
Manchester, CT 06040
Raymond F. Nelson, Jr., P.E.
Telephone (860) 646-6013

INSTALLATION SEQUENCE & CHECKLIST

WORK DESCRIPTION EROSION & SEDIMENT CONTROL MEASURES	LOCATION	DATE MEASURES INSTALLED	INITIALS OF INSTALLER	DATE MEASURES REMOVED	INITIALS OF PERSON REMOVING MEASURES
INSTALL ANTI-TRACKING PAD CONSTRUCTION ENTRANCE	AT DRIVEWAY				
INSTALL SEDIMENT BARRIERS	DOWNSLOPE OF AREA TO BE DISTURBED				
CLEAR AND GRUB	AREA TO BE DEVELOPED				
STRIP AND STOCKPILE TOPSOIL AND SUBSOIL FOR DRIVEWAY CONSTRUCTION; PLACE SEDIMENT BARRIERS AROUND STOCKPILES AND STABILIZE	AS INDICATED ON DRAWING				
ROUGH GRADE FOR DRIVEWAY AND CONSTRUCT COMPACTED GRAVEL BASE	AS INDICATED ON DRAWING				
STRIP AND STOCKPILE TOPSOIL FOR REMAINDER OF AREA TO BE DEVELOPED	AS INDICATED ON DRAWING				
CONSTRUCT TEMPORARY SURFACE DRAINAGE SWALES AND/OR DIVERSIONS	WHERE REQUIRED IN AREA OF DISTURBANCE				
EXCAVATE FOR AND CONSTRUCT FOUNDATION AND FOOTING DRAIN	AS INDICATED ON DRAWING				
BACKFILL AND ROUGH GRADE	AROUND FOUNDATION AND FOOTING DRAIN				
COMMENCE CONSTRUCTION OF HOUSE ON FOUNDATION, INSTALL WELL, WATER SERVICE, SUBSURFACE SEWAGE DISPOSAL SYSTEM AND UTILITY CONNECTIONS	AS INDICATED ON DRAWING				
ESTABLISH TEMPORARY GRASS COVER	ROUGH-GRADED AREAS OUTSIDE OF DRIVEWAY AND STRUCTURE LOCATIONS				
CLEAN ACCUMULATED SEDIMENT FROM BEHIND SEDIMENT BARRIERS	WHERE REQUIRED				
COMPLETE CONSTRUCTION OF HOUSE, DRIVE AND OTHER IMPROVEMENTS	AS INDICATED ON DRAWING				
PLACE TOPSOIL, COMPLETE FINAL GRADING AND PERMANENTLY STABILIZE ALL DISTURBED AREAS	ENTIRE SITE				
LANDSCAPE SITE	AS REQUIRED OR DESIRED				
MAINTAIN AND REPAIR PERMANENTLY STABILIZED AREAS	ENTIRE SITE				
REMOVE & DISPOSE OF TEMPORARY EROSION & SEDIMENT CONTROL BARRIERS AND DISPOSE OF ACCUMULATED SEDIMENT	ENTIRE SITE				

CHECKLIST FOR MAINTENANCE OF MEASURES

LOCATION MAINTENANCE	DESCRIPTION	DATE OF MAINTENANCE	INITIALS OF RESPONSIBLE PERSON
ANTI-TRACKING PAD	REMOVE ACCUMULATED SEDIMENT AND MAINTAIN STONE		
SEDIMENT BARRIERS	INSPECT REGULARLY AND DURING AND AFTER RAIN STORMS REPAIR OR REPLACE AS REQUIRED REMOVE ACCUMULATED SEDIMENT AND DEBRIS		
ENTIRE SITE	MAINTAIN TEMPORARY VEGETATIVE AND OTHER MEASURES AS REQUIRED MAINTAIN ALL PERMANENTLY STABILIZED AREAS UNTIL SECURE		

PROJECT DATES

DESCRIPTION	DATE	INITIALS
DATE OF GROUND-BREAKING FOR PROJECT		
DATE OF TEMPORARY STABILIZATION		
DATE OF FINAL STABILIZATION		

EROSION AND SEDIMENT CONTROL PROCEDURES

Staked haybales or silt fencing shall be installed downslope of proposed areas of disturbance prior to commencing any stripping or excavation of the soil on this property for driveway, structure and septic system construction. The areas of land disturbance are indicated by the proposed contours and proposed construction shown on the plan. Any additional disturbance beyond that shown shall be kept to the minimum absolutely necessary to perform the required work.

Topsoil and subsoil shall be temporarily stockpiled on site as necessary, and such stockpile(s) shall be located as close as practicable to the areas of construction and in such a manner that natural drainage is not obstructed. Soil stockpiles shall be ringed with a protective barrier of staked haybales and/or silt fencing.

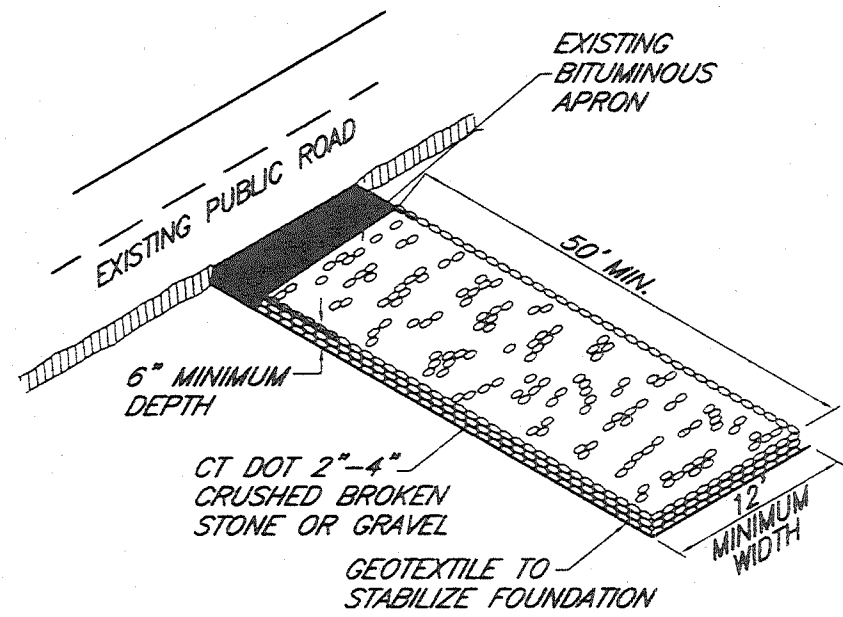
Erosion and sediment control barriers should be inspected frequently and shall be maintained in satisfactory condition throughout the construction period so as to be able to function properly at all times. Repair or replacement shall be made promptly when needed.

All disturbed areas, regardless of their location on this site, shall be fine graded and stabilized as soon as practicable following substantial completion of the proposed construction. Insofar as seasonally possible, all disturbed areas shall be stabilized by establishment of a permanent seedbed or installation of permanent mulching immediately following finish grading. If final grading must be delayed for more than 30 days after the land disturbance activities are completed and/or if permanent seeding is not seasonally possible within 30 days of completion of final grading, temporary soil stabilization measures consisting of heavy mulching and/or temporary seeding shall be performed. This shall also apply to stockpiled topsoils and subsoils. The suggested temporary seed application is Perennial Ryegrass, with seed applied at a recommended rate of 2 lbs./1000 square feet, and limestone applied at a rate of 90 lbs./1000 square feet. Recommended planting dates for temporary seeding are March 1 to June 15 and August 1 to October 15. The recommended temporary mulch is air-dried wood chips free from coarse matter, treated with 12lbs. nitrogen per ton. Application rate for the mulch should be 185 to 275 lbs./1000 square feet. Where a permanent seedbed is to be established, a recommended minimum of 4 inches of topsoil shall be spread, fine graded and raked to remove large stones and other debris. Limestone shall be applied at a recommended rate of 3 tons per acre, or 135 lbs./1000 square feet, and 10-20-10 or 10-20-20 fertilizer shall be applied at a recommended rate of 250 lbs./acre, or 5.0 lbs./1000 square feet. Limestone and fertilizer shall be worked into the topsoil uniformly to a minimum depth of 4 inches with a wire whisk, a springtooth harrow, or other suitable equipment following the finish contours. The suggested seed mixture for all finished grass areas is as follows:

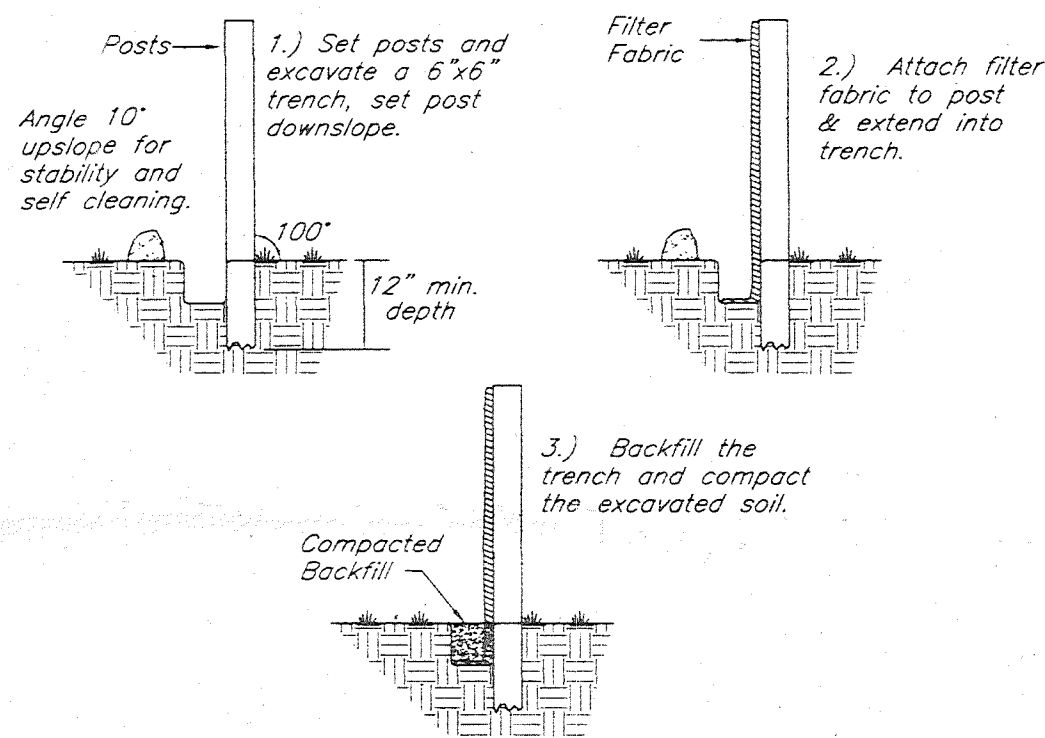
Kentucky Bluegrass	45%	20lbs./acre	45lbs./1000 square feet
Creeping Red Fescue	45%	20lbs./acre	45lbs./1000 square feet
Perennial Ryegrass	10%	5lbs./acre	10lbs./1000 square feet

For optimal growing conditions and establishment of uniform grass cover, seeding should normally be performed only during the periods of April 15 to June 1 and August 15 to September 15. Immediately following seeding, the seeded surface should be mulched with straw or hay free from weeds and coarse matter at a rate of 1 1/2 to 2 tons/acre or 70 to 90 lbs./1000 square feet. Mulch should be anchored immediately after spreading by application of a liquid mulch binder or mulch netting applied in accordance with the manufacturer's recommendations.

Where permanent mulching is desired or required for stabilization or decorative purposes, mulching shall consist of a heavy layer of wood chips, crushed stone, washed gravel, etc. Erosion and sediment control barriers shall not be removed until final grading has been completed, all disturbed areas have been permanently stabilized and all newly grassed areas have had at least two mowings.



ANTI-TRACKING PAD
CONSTRUCTION ENTRANCE
NOT TO SCALE



STANDARD SILT
FENCE
NOT TO SCALE

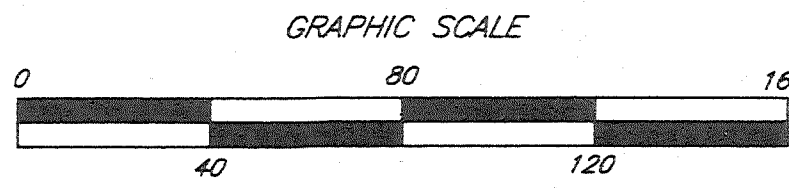
	MESSIER & ASSOCIATES, Inc. SURVEYORS - ENGINEERS PUTNAM, CT. (860) 928-1171 MANCHESTER, CT. (860) 646-6013	REV.	DATE	DESCRIPTION
	PLANNING - SURVEY - DESIGN - CONSTRUCTION			
CONSTRUCTION NOTES & DETAILS				
PREPARED FOR: ROBERT COMTOIS 449 LIBERTY HIGHWAY PUTNAM, CONNECTICUT				
DATE: 12/01 SCALE: AS NOTED DESIGN: RFN DRAWN: KBF CHECK: RFN SHEET 2 OF 2 PROJECT No. 00-070 PLAN No. XX-XXX				

COPYRIGHT © 2001
MESSIER & ASSOCIATES, INC.
SURVEYORS - ENGINEERS

THESE DRAWINGS ARE THE PROPERTY OF THE ENGINEER/SURVEYOR AND HAVE BEEN PREPARED SPECIFICALLY FOR THE OWNER FOR THIS PROJECT AT THIS SITE AND ARE NOT TO BE USED FOR ANY OTHER PURPOSE, LOCATION, OR OWNER WITHOUT WRITTEN CONSENT OF THE ENGINEER/SURVEYOR.

NO DECLARATION IS EXPRESSED OR IMPLIED UNLESS THIS PLAN BEARS THE EMBOSSED SEAL OF THE LAND SURVEYOR AND/OR PROFESSIONAL ENGINEER WHOSE SIGNATURE APPEARS HEREON.

GENERAL NOTES



LEGEND

- EXISTING IRON PIN
 ○ PROPERTY CORNER
 ■ EXISTING MONUMENT
 □ MONUMENT TO BE SET
 * PROPERTY BOUNDARY ANGLE POINT
 ===== EXISTING STONE WALL
 --- 400' --- EXISTING CONTOUR
 --- 400' --- PROPOSED CONTOUR
 W.F. 22' WETLAND FLAG
 LIMIT OF FIELD DETERMINED WETLANDS
 ☒ DEEP HOLE OBSERVATION SOIL TEST PIT
 ☒ PERCOLATION TEST HOLE
 ☒ WITH LIT POLE

TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT. AS NOTED HEREON AND THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300B-1 THRU 20-300B-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES' MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT AS ENDORSED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. IT IS A SURVEY BASED ON A CONFORMING TO HORIZONTAL ACCURACY CLASS

SURVEYORS SIGNATURE

DATE

LICENSE NUMBER

COPYRIGHT © 2001
MESSIER & ASSOCIATES, INC.
SUPERVISORS ENGINEERS

THESE DRAWINGS ARE THE PROPERTY OF THE ENGINEER SURVEYOR AND HAVE BEEN PREPARED SPECIFICALLY FOR THE OWNER FOR THIS PROJECT AT THIS SITE AND ARE NOT TO BE USED FOR ANY OTHER PURPOSE, LOCATION, OR OWNER WITHOUT WRITTEN CONSENT OF THE ENGINEER SURVEYOR.

NO DECLARATION IS EXPRESSED OR IMPLIED UNLESS THE PLAN BEARS THE EMBOSSED SEAL OF THE LAND SURVEY AND/OR PROFESSIONAL ENGINEER WHOSE SIGNATURE

MESSIER & ASSOCIATES, Inc
SURVEYORS - ENGINEERS
PUTNAM, CT. (860) 928-1171
MANCHESTER, CT. (860) 646-6013

PLANNING – SURVEY – DESIGN – CONSTRUCTION

SUBDIVISION PLAN

PREPARED FOR

ROBERT COMTOIS

STREET
PLUTNAM CONNECTICUT

REV.	DATE	DESCRIPTION
		(COMP. FILE =)
		DATE : 12/01 SCALE : 1"=60 FT. DESIGN : DAS DRAWN : DAS CHECK : RRM SHEET 1 OF 3
		PROJECT No. XX-XX PLAN No. XX-XXX

EROSION AND SEDIMENT CONTROL SEQUENCE & INSPECTION
CHECKLIST FOR LOT DEVELOPMENT

PROJECT NAME: Giuseppe & Maria Modugno

PROJECT LOCATION: 486 School Street, East Hartford, CT

PROJECT DESCRIPTION: Development of a building lot for single family residential use. The proposed development will include construction of a single family home, driveway, footing drain and outlet, subsurface sewage disposal system, potable water supply well, water service, and utility services. Soil removal, filling and/or grading will be performed in association with the proposed development.

TOTAL PARCEL AREA: 2.389 + acres

ESTIMATED STARTING DATE: April 15, 1999

ESTIMATED COMPLETION DATE: To Be Determined

RESPONSIBLE PERSON: Raymond Pochecco
44 South Woody Hill Road
Westerly, RI 02891
Telephone (401) 322-1342

EROSION AND SEDIMENT
CONTROL PLAN PREPARED BY:

Messier & Associates, Inc.
288 Main Street
Manchester, CT 06040
Raymond F. Nelson, Jr., P.E.
Telephone (860) 646-6013

INSTALLATION SEQUENCE & CHECKLIST

WORK DESCRIPTION EROSION & SEDIMENT CONTROL MEASURES	LOCATION	DATE MEASURES INSTALLED	INITIALS OF INSTALLER	DATE MEASURES REMOVED	INITIALS OF PERSON REMOVING MEASURES
INSTALL ANTI-TRACKING PAD CONSTRUCTION ENTRANCE	AT DRIVEWAY				
INSTALL SEDIMENT BARRIERS	DOWNSLOPE OF AREA TO BE DISTURBED				
CLEAR AND GRUB	AREA TO BE DEVELOPED				
STRIP AND STOCKPILE TOPSOIL AND SUBSOIL FOR DRIVEWAY CONSTRUCTION; PLACE SEDIMENT BARRIERS AROUND STOCKPILES AND STABILIZE	AS INDICATED ON DRAWING				
ROUGH GRADE FOR DRIVEWAY AND CONSTRUCT COMPACTED GRAVEL BASE	AS INDICATED ON DRAWING				
STRIP AND STOCKPILE TOPSOIL FOR REMAINDER OF AREA TO BE DEVELOPED	AS INDICATED ON DRAWING				
CONSTRUCT TEMPORARY SURFACE DRAINAGE SWALES AND/OR DIVERSIONS	WHERE REQUIRED IN AREA OF DISTURBANCE				
EXCAVATE FOR AND CONSTRUCT FOUNDATION AND FOOTING DRAIN	AS INDICATED ON DRAWING				
BACKFILL AND ROUGH GRADE	AROUND FOUNDATION AND FOOTING DRAIN				
COMMENCE CONSTRUCTION OF HOUSE ON FOUNDATION, INSTALL WELL, WATER SERVICE, SUBSURFACE SEWAGE DISPOSAL SYSTEM AND UTILITY CONNECTIONS	AS INDICATED ON DRAWING				
ESTABLISH TEMPORARY GRASS COVER	ROUGH-GRADED AREAS OUTSIDE OF DRIVEWAY AND STRUCTURE LOCATIONS				
CLEAN ACCUMULATED SEDIMENT FROM BEHIND SEDIMENT BARRIERS	WHERE REQUIRED				
COMPLETE CONSTRUCTION OF HOUSE, DRIVE AND OTHER IMPROVEMENTS	AS INDICATED ON DRAWING				
PLACE TOPSOIL, COMPLETE FINAL GRADING AND PERMANENTLY STABILIZE ALL DISTURBED AREAS	ENTIRE SITE				
LANDSCAPE SITE	AS REQUIRED OR DESIRED				
MAINTAIN AND REPAIR PERMANENTLY STABILIZED AREAS	ENTIRE SITE				
REMOVE & DISPOSE OF TEMPORARY EROSION & SEDIMENT CONTROL BARRIERS AND DISPOSE OF ACCUMULATED SEDIMENT	ENTIRE SITE				

CHECKLIST FOR MAINTENANCE OF MEASURES

LOCATION MAINTENANCE	DESCRIPTION	DATE OF MAINTENANCE	INITIALS OF RESPONSIBLE PERSON
ANTI-TRACKING PAD	REMOVE ACCUMULATED SEDIMENT AND MAINTAIN STONE		
SEDIMENT BARRIERS	INSPECT REGULARLY AND DURING AND AFTER RAIN STORMS REPAIR OR REPLACE AS REQUIRED REMOVE ACCUMULATED SEDIMENT AND DEBRIS		
ENTIRE SITE	MAINTAIN TEMPORARY VEGETATIVE AND OTHER MEASURES AS REQUIRED MAINTAIN ALL PERMANENTLY STABILIZED AREAS UNTIL SECURE		

PROJECT DATES

DESCRIPTION	DATE	INITIALS
DATE OF GROUND-BREAKING FOR PROJECT		
DATE OF TEMPORARY STABILIZATION		
DATE OF FINAL STABILIZATION		

EROSION AND SEDIMENT CONTROL PROCEDURES

Staked haybales or silt fencing shall be installed downslope of proposed areas of disturbance prior to commencing any stripping or excavation of the soil on this property for driveway, structure and septic system construction. The areas of land disturbance are indicated by the proposed contours and proposed construction shown on the plan. Any additional disturbance beyond that shown shall be kept to the minimum absolutely necessary to perform the required work.

Topsoil and subsoil shall be temporarily stockpiled on site as necessary, and such stockpile(s) shall be located as close as practicable to the areas of construction and in such a manner that natural drainage is not obstructed. Soil stockpiles shall be ringed with a protective barrier of staked haybales and/or silt fencing.

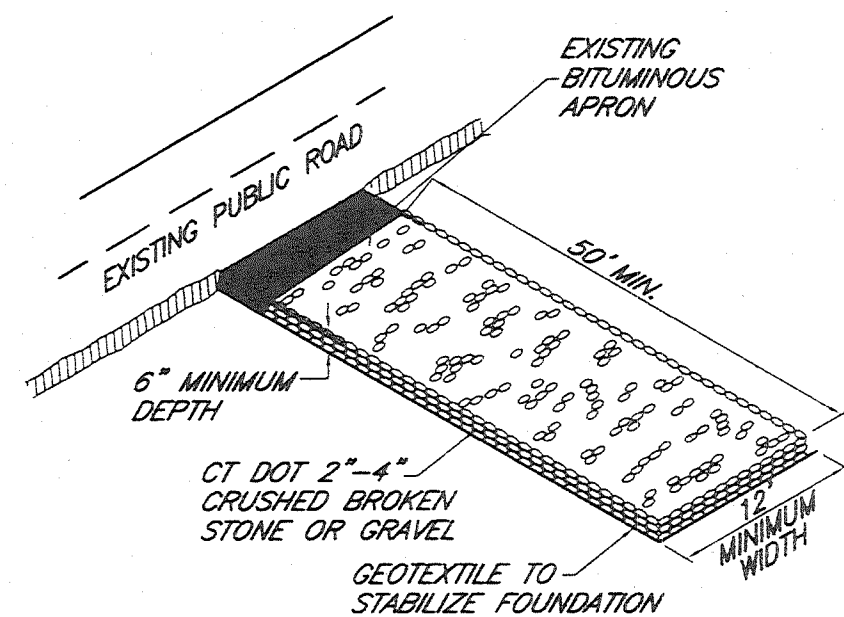
Erosion and sediment control barriers should be inspected frequently and shall be maintained in satisfactory condition throughout the construction period so as to be able to function properly at all times. Repair or replacement shall be made promptly when needed.

All disturbed areas, regardless of their location on this site, shall be fine graded and stabilized as soon as practicable following substantial completion of the proposed construction. Insofar as seasonally possible, all disturbed areas shall be stabilized by establishment of a permanent seedbed or installation of permanent mulching immediately following finish grading. If final grading must be delayed for more than 30 days after the land disturbance activities are completed and/or if permanent seeding is not seasonally possible within 30 days of completion of final grading, temporary soil stabilization measures consisting of heavy mulching and/or temporary seeding shall be performed. This shall also apply to stockpiled topsoils and subsoils. The suggested temporary seed application is Perennial Ryegrass, with seed applied at a recommended rate of 2 lbs./1000 square feet, and limestone applied at a rate of 90 lbs./1000 square feet. Recommended planting dates for temporary seeding are March 1 to June 15 and August 1 to October 15. The recommended temporary mulch is air-dried wood chips free from coarse matter, treated with 12lbs. nitrogen per ton. Application rate for the mulch should be 185 to 275 lbs./1000 square feet. Where a permanent seedbed is to be established, a recommended minimum of 4 inches of topsoil shall be spread, fine graded and raked to remove large stones and other debris. Limestone shall be applied at a recommended rate of 3 tons per acre, or 135 lbs./1000 square feet, and 10-20-10 or 10-20-20 fertilizer shall be applied at a recommended rate of 250 lbs./acre, or 5.0 lbs./1000 square feet. Limestone and fertilizer shall be worked into the topsoil uniformly to a minimum depth of 4 inches with a wire whisk, a springtooth harrow, or other suitable equipment following the finish contours. The suggested seed mixture for all finished grass areas is as follows:

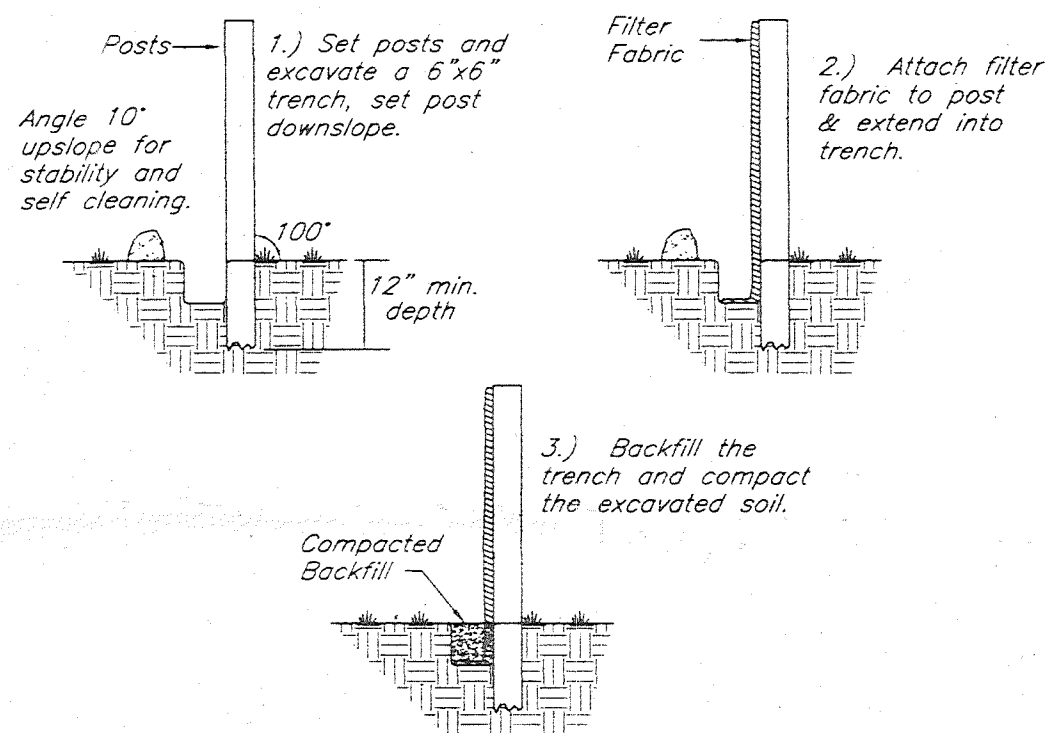
Kentucky Bluegrass	45%	20lbs./acre	45lbs./1000 square feet
Creeping Red Fescue	45%	20lbs./acre	45lbs./1000 square feet
Perennial Ryegrass	10%	5lbs./acre	10lbs./1000 square feet

For optimal growing conditions and establishment of uniform grass cover, seeding should normally be performed only during the periods of April 15 to June 1 and August 15 to September 15. Immediately following seeding, the seeded surface should be mulched with straw or hay free from weeds and coarse matter at a rate of 1 1/2 to 2 tons/acre or 70 to 90 lbs./1000 square feet. Mulch should be anchored immediately after spreading by application of a liquid mulch binder or mulch netting applied in accordance with the manufacturer's recommendations.

Where permanent mulching is desired or required for stabilization or decorative purposes, mulching shall consist of a heavy layer of wood chips, crushed stone, washed gravel, etc. Erosion and sediment control barriers shall not be removed until final grading has been completed, all disturbed areas have been permanently stabilized and all newly grassed areas have had at least two mowings.



ANTI-TRACKING PAD
CONSTRUCTION ENTRANCE
NOT TO SCALE



STANDARD SILT
FENCE
NOT TO SCALE

	MESSIER & ASSOCIATES, Inc. SURVEYORS - ENGINEERS PUTNAM, CT. (860) 928-1171 MANCHESTER, CT. (860) 646-6013	REV.	DATE	DESCRIPTION
	PLANNING - SURVEY - DESIGN - CONSTRUCTION			
CONSTRUCTION NOTES & DETAILS				
PREPARED FOR:				
ROBERT COMTOIS				
449 LIBERTY HIGHWAY PUTNAM, CONNECTICUT				
DATE: 12/01 SCALE: AS NOTED DESIGN: RFN DRAWN: KBF CHECK: RFN SHEET 2 OF 2 PROJECT No. 00-070 PLAN No. XX-XXX				

COPYRIGHT © 2001
MESSIER & ASSOCIATES, INC.
SURVEYORS - ENGINEERS

THESE DRAWINGS ARE THE PROPERTY OF THE ENGINEER/SURVEYOR AND HAVE BEEN PREPARED SPECIFICALLY FOR THE OWNER FOR THIS PROJECT AT THIS SITE AND ARE NOT TO BE USED FOR ANY OTHER PURPOSE, LOCATION, OR OWNER WITHOUT WRITTEN CONSENT OF THE ENGINEER/SURVEYOR.
NO DECLARATION IS EXPRESSED OR IMPLIED UNLESS THIS PLAN BEARS THE EMBOSSED SEAL OF THE LAND SURVEYOR AND/OR PROFESSIONAL ENGINEER WHOSE SIGNATURE APPEARS HEREON.

