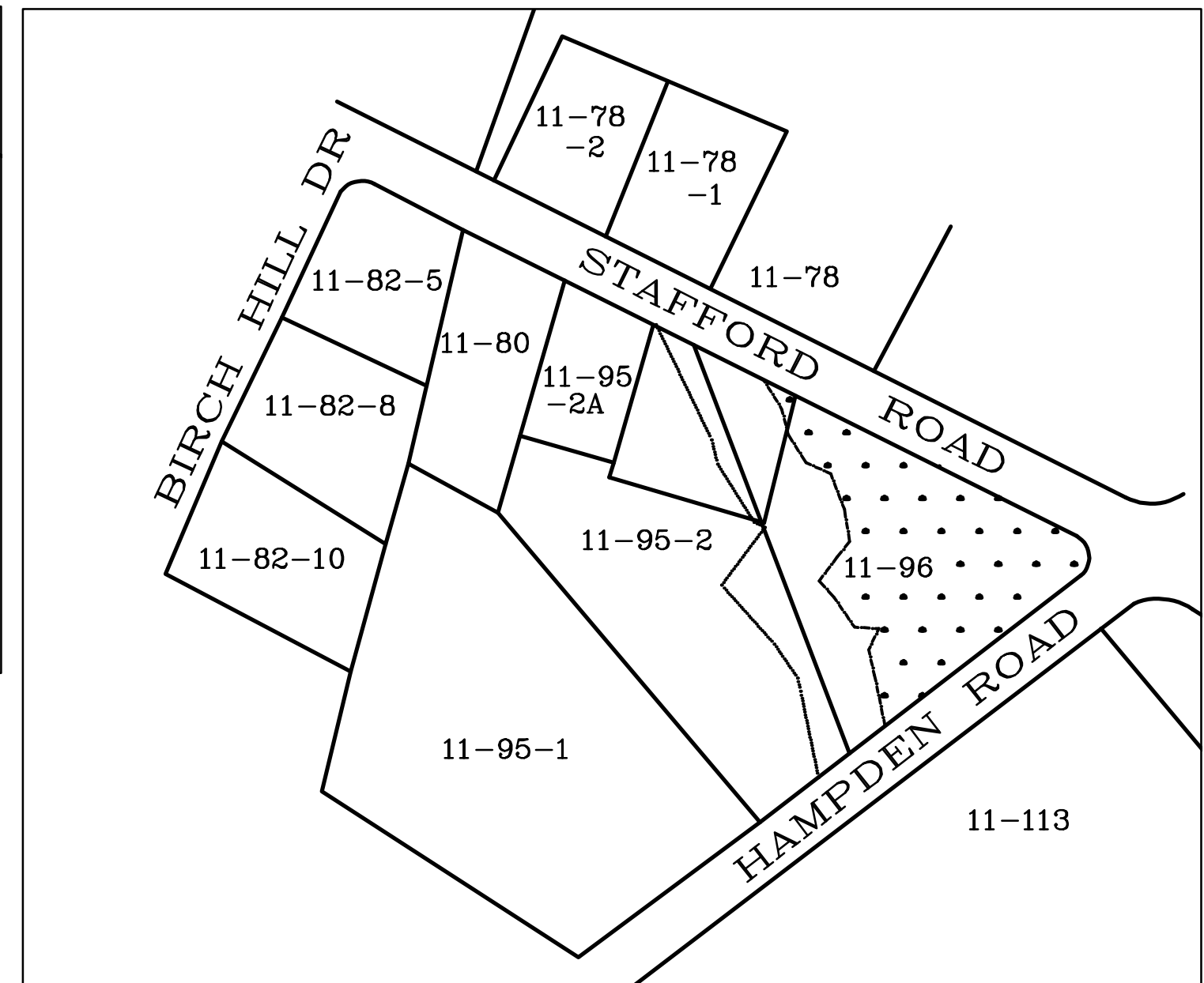
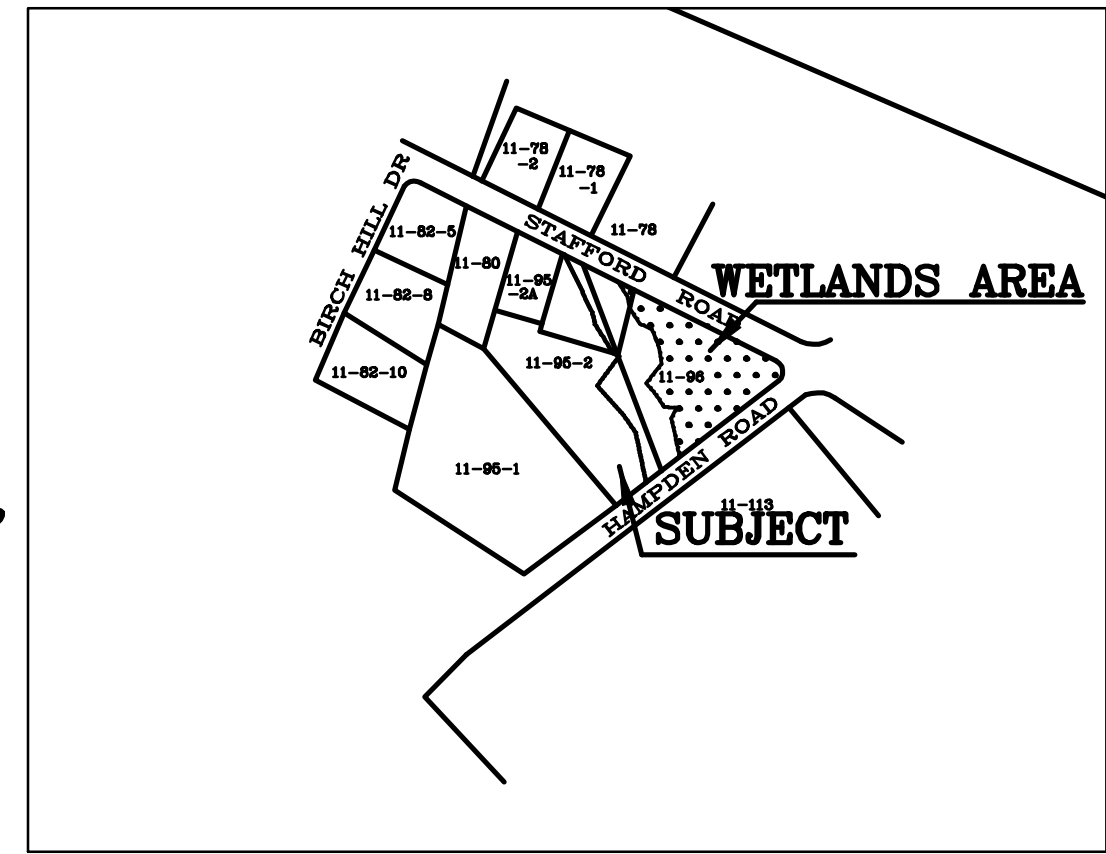


MASSACHUSETTS
CONNECTICUT
SUBJECT
SCALE: 1"=2000'



LOCATION	TOTAL AREA	BUILDABLE AREA
132 STAFFORD RD	44,589 S.F. OR 1.02 ACRES	40,000 S.F. OR 0.92 ACRES
171 HAMPDEN RD	203,150 S.F. OR 4.66 ACRES	121,614 S.F. OR 2.79 ACRES
TOTALS	247,739 S.F. OR 5.68 ACRES	161,614 S.F. OR 3.71 ACRES

ERNESTINE
A. COOLEY

CONTAINS:
40,000 S.F.
0.92 ACRES

GREGORY W & LINDA L BAILEY
PARCEL CONTAINS:
44,589 S.F. OR 1.02 ACRES
132 STAFFORD ROAD
MAP BLOCK LOT # 11-96

ALFRED M. & JANE L. BURGDORF

RICHARD D. DANIELE
171 HAMPDEN ROAD
MAP BLOCK LOT # 11-95-2
PARCEL CONTAINS:
203,150 S.F. OR 4.66 ACRES

THIS PARCEL CONTAINS INLAND WETLANDS AND/OR WATERCOURSES. ANY ACTIVITY IN OR AROUND THESE AREAS MUST BE CONSISTENT WITH CONNECTICUT GENERAL STATUTES SECTIONS 22a-36 THROUGH 22a-45 AND THE SOMERS INLAND WETLANDS AND WATERCOURSES REGULATIONS, WHICH ARE PRESENTLY ENFORCED BY THE SOMERS CONSERVATION COMMISSION.

THE WETLAND SOILS ON THIS SITE WERE IDENTIFIED IN THE FIELD USING THE CRITERIA REQUIRED BY CONNECTICUT P.A. 72-155 AS AMENDED BY CONN. P.A. 73-571, CONN. P.A. 87-338. THE BOUNDARIES OF THESE SOILS AND IDENTIFIED WATERCOURSES ARE ACCURATELY REPRESENTED ON THIS PLAN. 96-144.

RICHARD ZULICK
REGISTERED PROFESSIONAL SOIL SCIENTIST

NEITHER THE APPROVAL OF THIS PLAN, NOR THE REVIEW OR SIGNING THEREOF, BY ANY CONSULTING ENGINEER, COMMISSION, BOARD, OFFICER, OFFICIAL, EMPLOYEE, AGENT, OR REPRESENTATIVE OF THE TOWN OF SOMERS SHALL CONSTITUTE OR BE CONSTRUED AS A REPRESENTATION, GUARANTEE, OR WARRANTY BY SUCH CONSULTING ENGINEER, COMMISSION, BOARD, OFFICER, OFFICIAL, EMPLOYEE, AGENT, REPRESENTATIVE, OR THE TOWN OF SOMERS AS TO THE CHEMICAL CONTENT, QUANTITY, QUALITY, OR POTABILITY OF ANY WATER SUPPLY ON SAID PROPERTY OR ANY PART THEREOF. ANY DETERMINATION CONCERNING THE CHEMICAL CONTENT, QUANTITY, QUALITY, OR POTABILITY OF ANY WATER SUPPLY SHALL BE THE SOLE RESPONSIBILITY OF THE PURCHASER OR OTHER TRANSFERREE OF SAID PROPERTY OR ANY PART THEREOF.

WELLS ON 130 AND 132 STAFFORD ROAD SHALL BE ANALYZED FOR VOLATILE ORGANIC CHEMICALS (V.O.C.) PRIOR TO ISSUE OF A "CERTIFICATE OF OCCUPANCY"

LEGEND:

IRON PIPE FOUND	-	I.P. (F)
REINFORCING BAR SET	-	ReBAR (S)
CONCRETE MONUMENT	-	C.H.D. MON.
UTILITY POLE	-	SNET 2164
FIRST FLOOR	-	F.F.
BASEMENT FLOOR	-	B.F.
EXISTING CONTOUR	-	260
EXISTING ELEVATION	-	+ 263.4

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON

NOTES:

- THIS SURVEY HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300b THRU 20-300b-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES - "MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT". IT IS AN IMPROVEMENT LOCATION SURVEY BASED UPON A RESURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS A-2.
- BOUNDARY INFORMATION SHOWN HEREON IS BASED IN PART ON THE FOLLOWING SURVEYS:
A. "RECONFIGURATION HAMPDEN/STAFFORD ROAD SOMERS, CONNECTICUT PREPARED FOR RICHARD D. DANIELE 171 HAMPDEN ROAD SOMERS CT 06071 PREPARED BY: MICHAEL MOCKO ENVIRONMENTAL CONSULTANT ENGINEER JOSEPH E. WARD, P.E. SURVEYOR: LANDMARK SURVEYS LLC SCALE 1"=40' DATE DECEMBER 12, 2007 REV TO 2/20/08 SHEET 1 OF 2"
- CONTOUR INTERVAL IS 2' AND BASED ON AN ASSUMED DATUM.
- THIS PARCEL IS LOCATED IN THE "A-1" ZONE, TOWN OF SOMERS REGULATIONS.
- THERE IS NO PROPOSED CLEARING OF EXISTING TREES ALONG THE TREE BELT. IF EXISTING TREE BELT TREES ARE REMOVED, THEY WILL BE REPLACED CONSISTENT WITH SOMERS SUBDIVISION REGULATIONS SECTION 213-9B AND 213-29.
- CONNECTICUT REGISTERED ENGINEER'S SEPTIC DESIGN REQUIRED.

CONSERVATION PLAN
ATTACHED TO WETLANDS PERMIT
HAMPDEN/STAFFORD ROAD
SOMERS, CONNECTICUT

OWNER & APPLICANT
RICHARD D. DANIELE
171 HAMPDEN ROAD
SOMERS, CT 06071

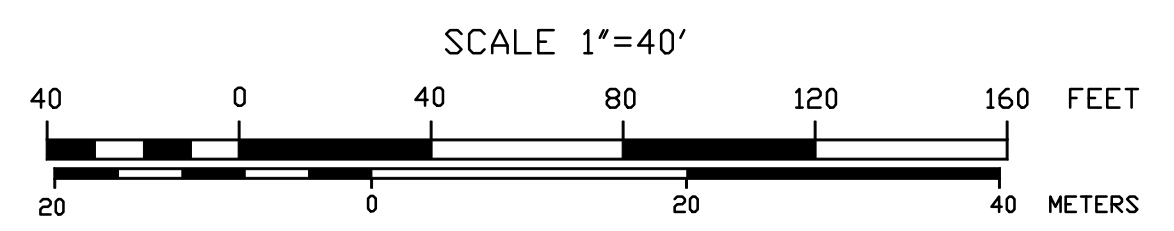
PREPARED FOR:
RICHARD D. DANIELE
171 HAMPDEN ROAD, SOMERS, CT 06071

PREPARED BY:
MICHAEL MOCKO ENVIRONMENTAL CONSULTANT
36 HAMPDEN ROAD, STAFFORD SPRINGS, CT 06076
TELEPHONE: (860)-684-7205

ENGINEER: JOSEPH E. WARD, P.E.
1200 CONVERSE STREET, LONGMEADOW, MA 01106
TELEPHONE: (413) 567-6560

SURVEYOR: LANDMARK SURVEYS, LLC
62 LOWER BUTCHER ROAD, ELLINGTON, CT 06029
TELEPHONE: (860) 875-8204
JOB # 20306-1CONS

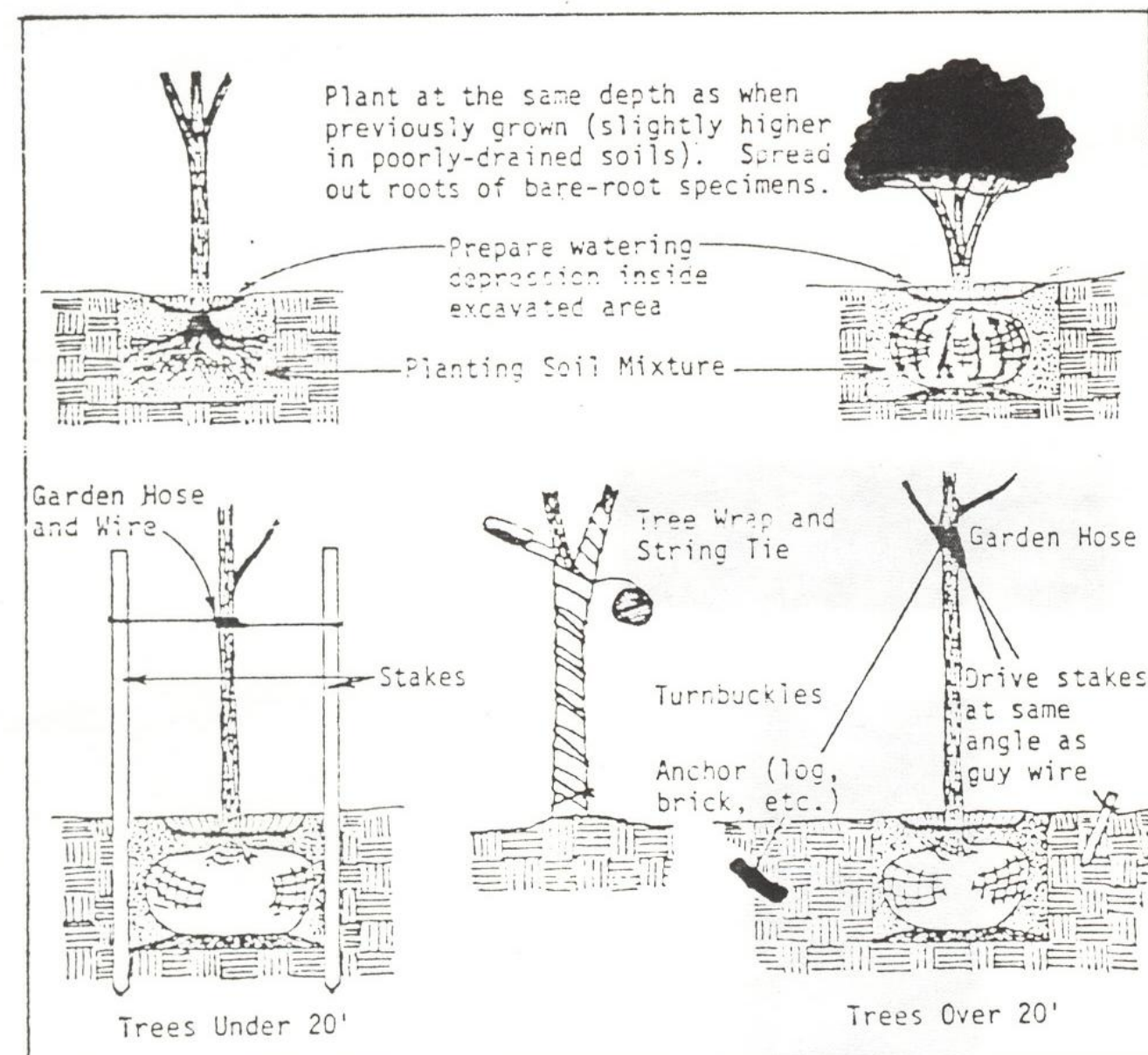
SCALE 1"=40' DATE: MARCH 28, 2008



APPROVED: _____
PLANNING BOARD CHAIRMAN DATE

APPROVED: _____
TOWN SANITARIAN DATE

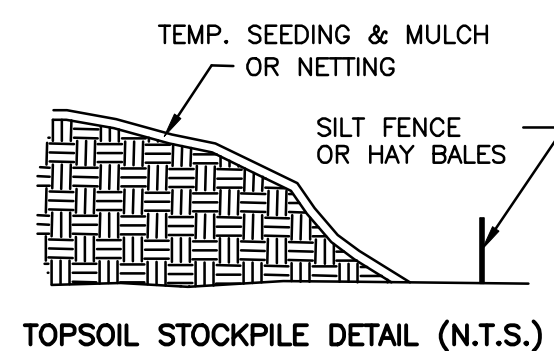
MARK O. HOFFMAN, LICENSED LAND SURVEYOR DATE _____ LICENSE NO. L.S. 14439



Source: Virginia Soil and Water Conservation Commission 1980, Virginia Erosion and Sediment Control Handbook.

TREE PLANTING DETAIL

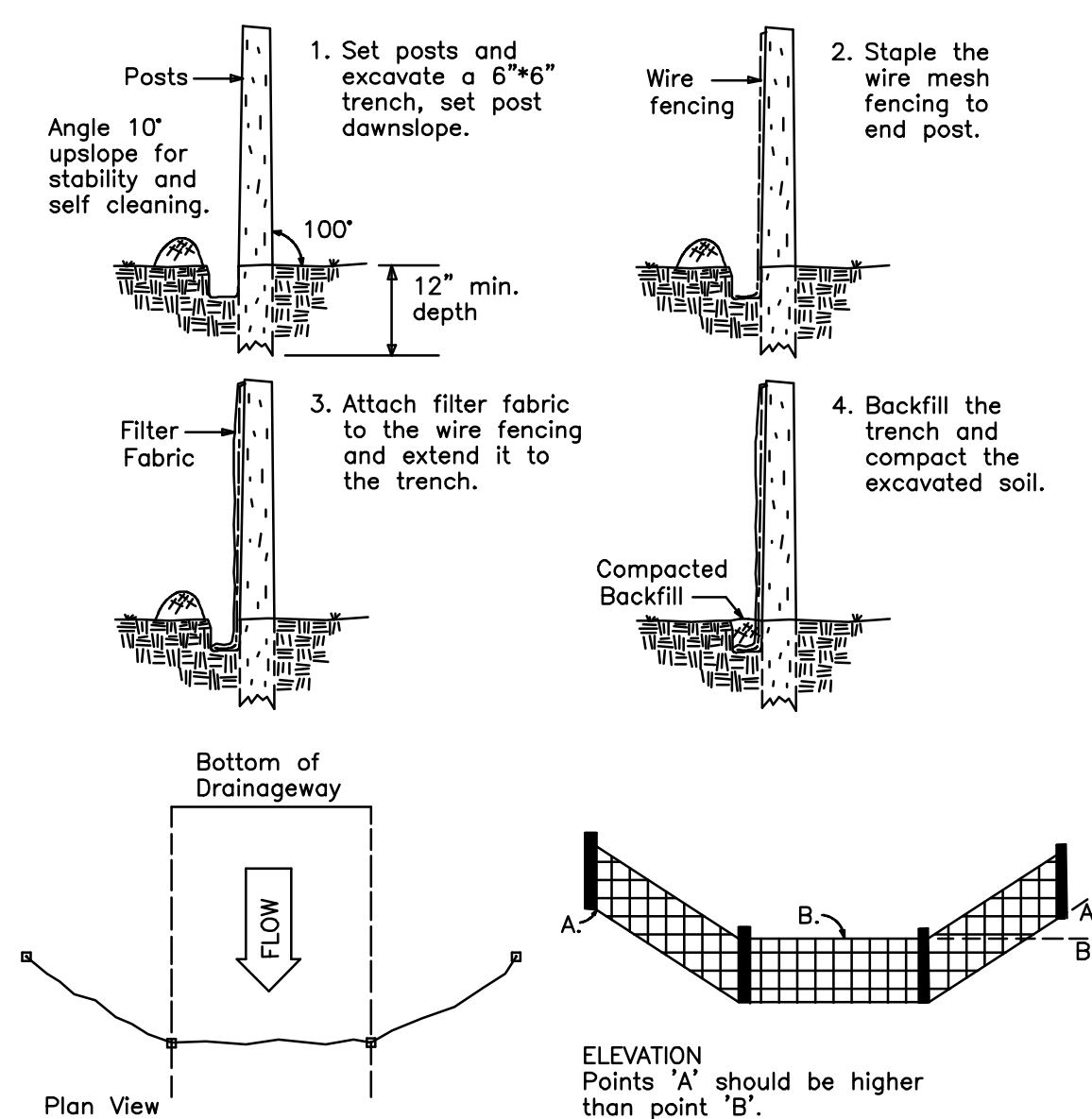
NO SCALE



CALL BEFORE YOU DIG

TO INSURE SAFE, TROUBLE-FREE EXCAVATING, TO LOCATE UNDERGROUND UTILITY PIPE AND CABLE ANYWHERE IN CONNECTICUT, CALL 48 HOURS IN ADVANCE.
TOLL FREE, STATEWIDE 1-800-922-4455

Figure 7-9 - Placement and Construction of a Synthetic Filter Barrier



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

SOIL TESTS

OBSERVED BY: S. JACOBS DATE: 10/3/02

PERC HOLE #P
DEPTH = 30 INCHES
PERCOLATION RATE = 5-10 MIN/IN

TEST PIT "A"

HORIZON	DEPTH	DESCRIPTION
Ap	11"	TOPSOIL
Bw	24"	VERY FRIABLE GRAVELLY LOAM
Bg	45"	GLEYED VERY FRIABLE VERY FINE SAND
C	58"	LOOSE COARSE SAND & GRAVEL
2C	80"	FIRM SANDY LOAM TILL

REDOX FEATURES: 26-47" SUSPENDED, LOW CHROMA

TEST PIT "B"

HORIZON	DEPTH	DESCRIPTION
Ap	10"	TOPSOIL
Bw	23"	VERY FRIABLE GRAVELLY LOAM WITH COBBLES
C	38"	LOOSE COARSE SAND & GRAVEL WITH COBBLES
2C	86"	FIRM SANDY LOAM TILL

REDOX FEATURES: 36" FEW FAINT

TEST PIT "C"

HORIZON	DEPTH	DESCRIPTION
Ap	10"	TOPSOIL
Bw	23"	VERY FRIABLE GRAVELLY LOAM WITH COBBLES
BC	29"	SOMEWHAT FRIABLE SANDY LOAM TILL
C	66"	FIRM SANDY LOAM TILL WITH LOAMY SAND POCKETS
2C	72"	LOOSE FINE SAND
3C	80"	FIRM SANDY LOAM TILL

REDOX FEATURES: 66" COMMON, PROMINENT

TEST PIT "D"

HORIZON	DEPTH	DESCRIPTION
Ap	12"	TOPSOIL
Bw	18"	VERY FRIABLE SANDY LOAM
C	41"	LOOSE COARSE SAND & GRAVEL
2C	96"	FIRM SANDY LOAM TILL

TEST PIT "E"

HORIZON	DEPTH	DESCRIPTION
Ap	13"	TOPSOIL
Bw	31"	FRIABLE SANDY LOAM WITH LOAMY SAND POCKETS
C	106"	FIRM SANDY LOAM TILL

TEST PIT "F"

HORIZON	DEPTH	DESCRIPTION
Ap	16"	TOPSOIL
Bw	30"	VERY FRIABLE LOAMY SAND
C	80"	VERY LOOSE VERY COARSE SAND WITH GRAVEL

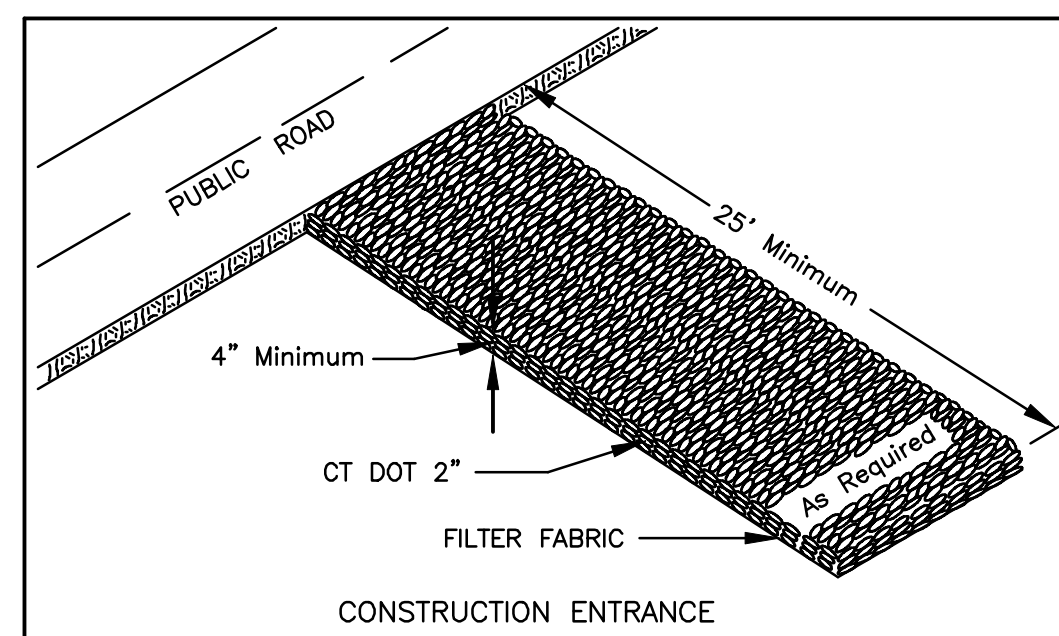
TEST PIT "G"

HORIZON	DEPTH	DESCRIPTION
Ap	18"	TOPSOIL
Bw	29"	FRIABLE SANDY LOAM
C	78"	FIRM SANDY LOAM TILL

MLSS CALCULATIONS

PROPOSED 4 BEDROOM HOME
PERCOLATION RATE = 5-10 MIN/IN
 $HF \times FF \times PF = 34 \times 2 \times 1.2 = 82$ FEET REQUIRED, 82 FEET PROVIDED

Figure 8-59 - Construction Entrances



ANTI-TRACKING PAD DETAIL

CONSTRUCTION SCHEDULE/EROSION & SEDIMENT CONTROL NOTES HOUSE, SEPTIC & UTILITY CONSTRUCTION

- PLACE HAY BALES/SILT FENCE ADJACENT TO DISTURBED AREAS TO PROTECT AGAINST POSSIBLE EROSION AND SEDIMENTATION (SEE PLAN).
- BOX OUT DRIVEWAY AND IMMEDIATELY INSTALL ANTI-TRACKING PAD (SEE DETAIL).
- STRIP AND STOCKPILE TOPSOIL FROM AREA OF PROPOSED HOUSE. KEEP DISTURBANCE AT A MINIMUM (SEE TEMPORARY STOCKPILE DETAIL).
- EXCAVATE FOR AND INSTALL FOOTINGS AND FOUNDATIONS.
- BACKFILL FOUNDATION, LOAM AND SEED DISTURBED AREA AS SOON AS POSSIBLE. PROTECT AREA, AS NECESSARY, WITH HAY BALES, MULCH, ETC., UNTIL AREA IS STABILIZED.
- STRIP AND STOCKPILE TOPSOIL FROM AREA OF SEPTIC SYSTEM.
- PLACE FILL AND INSTALL SEPTIC SYSTEM.
- LOAM AND SEED ALL DISTURBED AREAS AS SOON AS POSSIBLE AFTER SYSTEM CONSTRUCTION. PROTECT DISTURBED AREAS WITH HAY BALES, MULCH, ETC., UNTIL AREA IS STABILIZED.
- INSTALL WELL AND OTHER UTILITIES.
- ALL EROSION AND SEDIMENTATION CONTROL DEVICES ARE TO BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES ARE TO BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL".
- NO ACTIVITY IS PROPOSED WITH IN 30' OF WETLAND BOUNDARY EXCEPT TEMPORARY DISTURBANCE FOR INSTALLATION OF FOOTING DRAIN OUTLETS AS SHOWN ON PLAN.
- PERMANANT MARKERS SHALL BE PLACED ON TREES ALONG THE DELINEATED WETLANDS BOUNDARY AT THE TIME OF CONSTRUCTION.

PERMANENT SEEDING

DATES: APRIL 15 - JUNE 15 OR AUG. 15 TO SEPT. 15

No.	SEED MIXTURE	Lbs/Acre	Lbs./1000 sq.ft.	
1.	Kentucky Bluegrass	20	.45	Lawn Areas Regular Mowing required
	Creeping Red Fescue	20	.45	
	Perennial ryegrass	5	.10	
	Total	45	1.00	
2.	Creeping Red Fescue	20	.45	Naturalized area Offers Wildlife food an cover Mowing recommended Once a year after July
	Redtop	2	.05	
	Tall Fescue or Smooth bromegrass	20	.45	
	Total	42	0.95	
3.	Creeping Red Fescue	20	.45	Naturalized area -steep banks No Mowing Required
	Bird's-foot trefoil with inoculant	8	.20	
	Tall Fescue or Smooth bromegrass	20	.45	
	Total	48	1.10	
4.	Bird's-foot trefoil with inoculant	8	.20	Naturalized area -steep banks No Mowing Required
	Creeping Red Fescue	15	.35	
	Creeping Red Fescue, Tall Fescue or Smooth bromegrass	20	.45	
	Total	43	1.00	

FERTILIZER: 10-10-10 300 lbs/acre or 7.5 lbs/1000 sq.ft.
LIME: Lime 3 tons/acre or 135 lbs/1000 sq.ft.

TEMPORARY SEEDING RATES AND DATES

SPECIES	SEEDING RATES(pounds)		OPTIMUM SEEDING:	
	per acre	per 1000 sq.ft.	DATE	DEPTH
Annual ryegrass	40	1.0	3/1 - 6/15 8/1 - 10/1	0.5
Winter rye	120	3.0	4/15 - 6/15 8/15 - 10/15	1.0
Buckwheat	15	0.4	4/1 - 9/15	1.0

CONSERVATION PLAN ATTACHED TO WETLANDS PERMIT HAMPDEN/STAFFORD ROAD SOMERS, CONNECTICUT

PREPARED FOR:

RICHARD D. DANIELE

171 HAMPDEN ROAD, SOMERS, CT 06071

PREPARED BY:

MICHAEL MOCKO ENVIRONMENTAL CONSULTANT

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JOB # 20306-1CONS.

SCALE 1"=40'

DATE: MARCH 28,2008

SHEET 2 OF 2