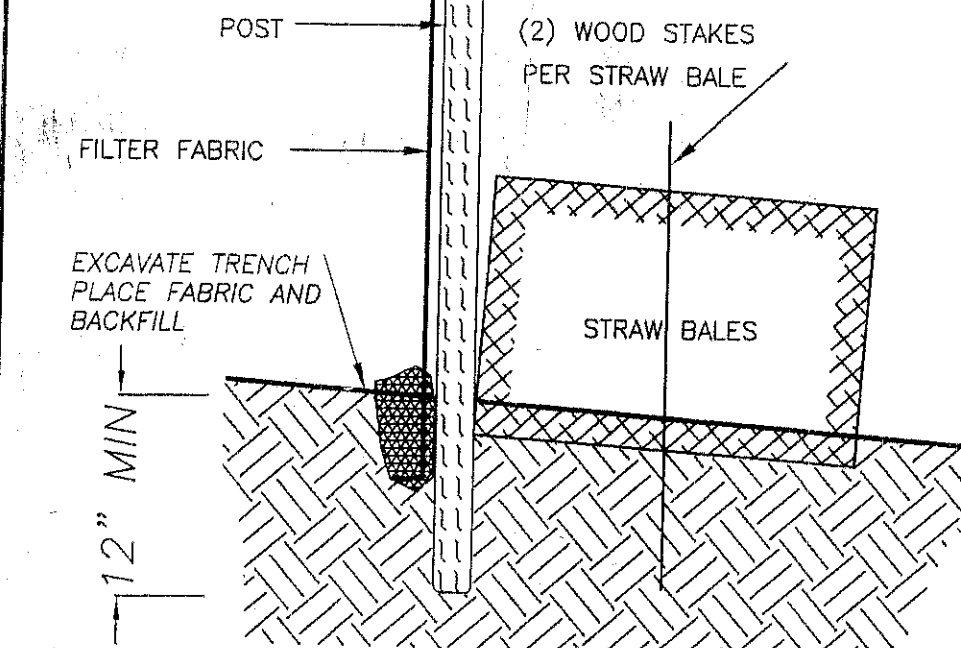


- STRAW BALE INSTALLATION**
1. EXCAVATE TRENCH 4" AND PLACE FILL UP-SLOPE OF TRENCH.
 2. PLACE HAYBALE, WITH TWINE ON HORIZONTAL, AND STAKE FIRST STAKE AT ANGLE TOWARDS FIRST BALE.
 3. STAKES SHALL BE A MINIMUM OF 18" INTO FIRM GROUND.
 4. WEDGE LOOSE HAY BETWEEN BALES.
 5. BACKFILL AND COMPACT EXCAVATED FILL ALONG HAY BALE.

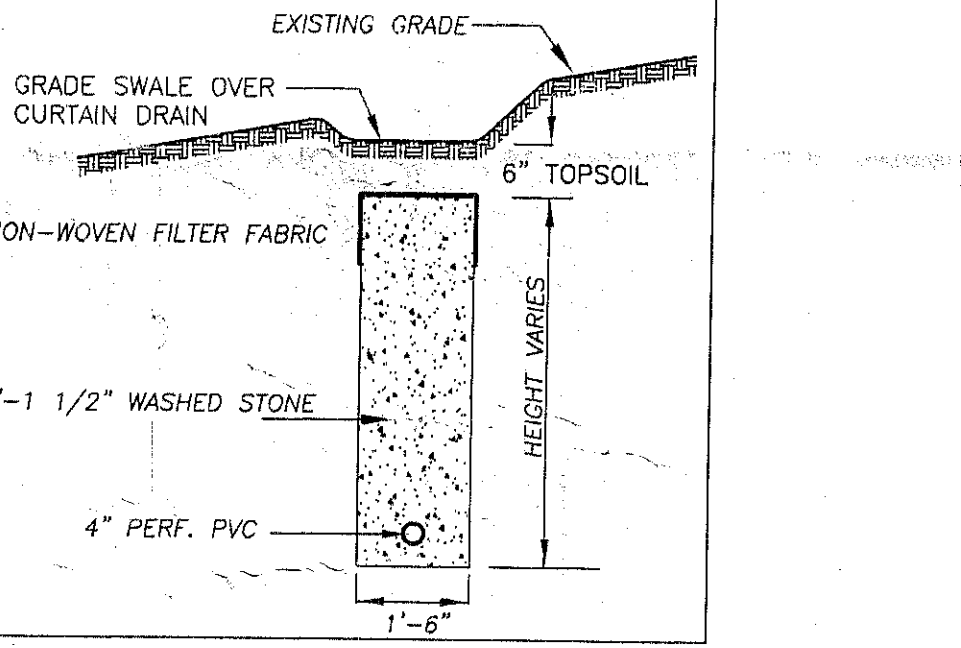


(GSF) (HB) SILTATION FENCE WITH STAKED HAYBALE REINFORCEMENT WHERE SHOWN

SEDIMENTATION AND EROSION CONTROL NOTES

1. NATURAL VEGETATION TO BE KEPT WHERE POSSIBLE; SEEDING, MULCHING, AND FINAL GRADING TO BE DONE AS SOON AS POSSIBLE.
2. ALL SEDIMENTATION AND EROSION CONTROL MEASURES WILL BE INSTALLED PRIOR TO ANY CONSTRUCTION, OR PRIOR TO ANY EQUIPMENT BROUGHT ONTO SITE.
3. ALL SEDIMENTATION AND EROSION CONTROL MEASURES WILL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL - 2002 EDITION.
4. ALL CONTROL STRUCTURES WILL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL THE SITE IS STABILIZED.
5. SEDIMENT REMOVED FROM CONTROL STRUCTURES SHALL BE DISPOSED OF IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THIS PLAN.
6. ADDITIONAL CONTROL STRUCTURES WILL BE INSTALLED DURING THE CONSTRUCTION PERIOD IF NECESSARY OR REQUIRED.
7. THE OWNER IS ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, NOTIFYING THE CONSERVATION COMMISSION OFFICE OF ANY TRANSFER OF THIS RESPONSIBILITY, AND CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.

TYPICAL CURTAIN DRAIN DETAIL WITH GRADED SWALE



ALL SEPTIC DESIGN DATA FROM APPROVED B100 PLAN BY TOM GIEGLER, LICENSED SEPTIC INSTALLER.

SEPTIC DESIGN DATA

1. EXISTING 3 BEDROOM DWELLING. PROPOSED ADDITION TO INCREASE THE NUMBER OF BEDROOMS TO 5.
 2. DESIGN PERCOLATION RATE 1" / 10-17 / 10.0 MINUTES.
 3. REQUIRED LEACHING AREA IS 742.5 SQUARE FEET.
 4. MLSS CALCULATIONS
- | | |
|--|---------------|
| HYDRAULIC GRADIENT (% SLOPE) | = 4.1% |
| DEPTH TO RESTRICTIVE LAYER (IN INCHES) | = 31" AVERAGE |
| HYDRAULIC FACTOR (HF) | = 28 |
| FLOW FACTOR (FF) = 5 BEDROOMS | = 2.25 |
| PERCOLATION FACTOR (PF) | = 1.2 |
| MLSS (IN FEET) = HF x FF x PF | = 75.6' |
- 91 LINEAL FEET OF LEACHING SPREAD PROVIDED BY THE DESIGN
5. PROPOSED SYSTEM-91 LINEAL FEET OF SBOX SB1-7-36. EFFECTIVE LEACHING RATE IS 8.2 SQUARE FEET PER LINEAL FOOT. TOTAL EFFECTIVE LEACHING AREA IS 746.2 SQUARE FEET.
 6. THIS SYSTEM IS NOT DESIGNED TO ACCEPT WASTES FROM GARBAGE DISPOSAL UNITS OR BACKWASH EFFLUENT FROM WATER SOFTENERS OR FILTERS AND/OR WHIRLPOOL TYPE BATHS IN EXCESS OF 100 GALLONS, OR BACKWASH FROM CENTRAL VACUUM SYSTEMS.

CONSTRUCTION SEQUENCE

- NOTIFY CALL BEFORE YOU DIG 1-800-922-4455.
1. THE PERMITTEE SHALL NOTIFY THE REVIEWING AGENCY, IN WRITING, 48 HOURS PRIOR TO COMMENCING ACTIVITIES.
 2. ERECT SILT FENCE AS SHOWN ON PLAN.
 3. INSTALL TREE PROTECTION AS REQUIRED.
 4. PLACE ORANGE CONSTRUCTION FENCE AROUND SEPTIC AREA.
 5. REMOVE TREES TO BE REMOVED.
 6. INSTALL CURTAIN DRAIN AND RIPRAP PAD.
 7. STRIP TOPSOIL AND ORGANICS IN DRIVEWAY AREA. PLACE MATERIAL IN DESIGNATED STOCKPILE AREA.
 8. PLACE AND COMPACT DRIVEWAY BASE.
 9. POUR FOUNDATION.
 10. BACKFILL AROUND FOUNDATION.
 11. CONSTRUCT BUILDING ADDITION.
 12. UTILIZING A TRACK MACHINE, STRIP TOPSOIL IN THE SEPTIC AREA AND STOCKPILE IN DESIGNATED STOCKPILE AREA.
 13. PREPARE SEPTIC LEACHING AREA. INSTALL SEPTIC SYSTEM. IMMEDIATELY FOLLOWING REQUIRED INSPECTIONS COVER THE SEPTIC SYSTEM WITH TOPSOIL.
 14. PERFORM FINISHED GRADING, TOPSOIL AND SEED OR PLACE SOO.
 15. INSTALL PLANTING BUFFER PER APPROVED PLANTING PLAN.
 16. NOTIFY THE REVIEWING AGENCY THAT THE SITES DISTURBED AREAS ARE STABILIZED AND THAT EROSION CONTROLS MAY BE REMOVED FOLLOWING THE 48-HOUR NOTICE.
 17. REMOVE THE COLLECTED SEDIMENT FROM THE SILT FENCE AND STRAWBALES. DISPOSE OF MATERIAL IN AN APPROVED OFFSITE LOCATION.
 18. REMOVE EROSION CONTROLS.

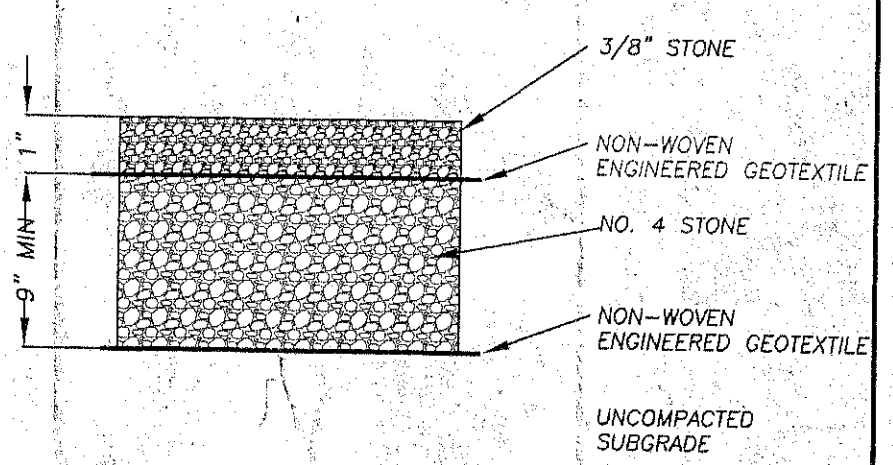
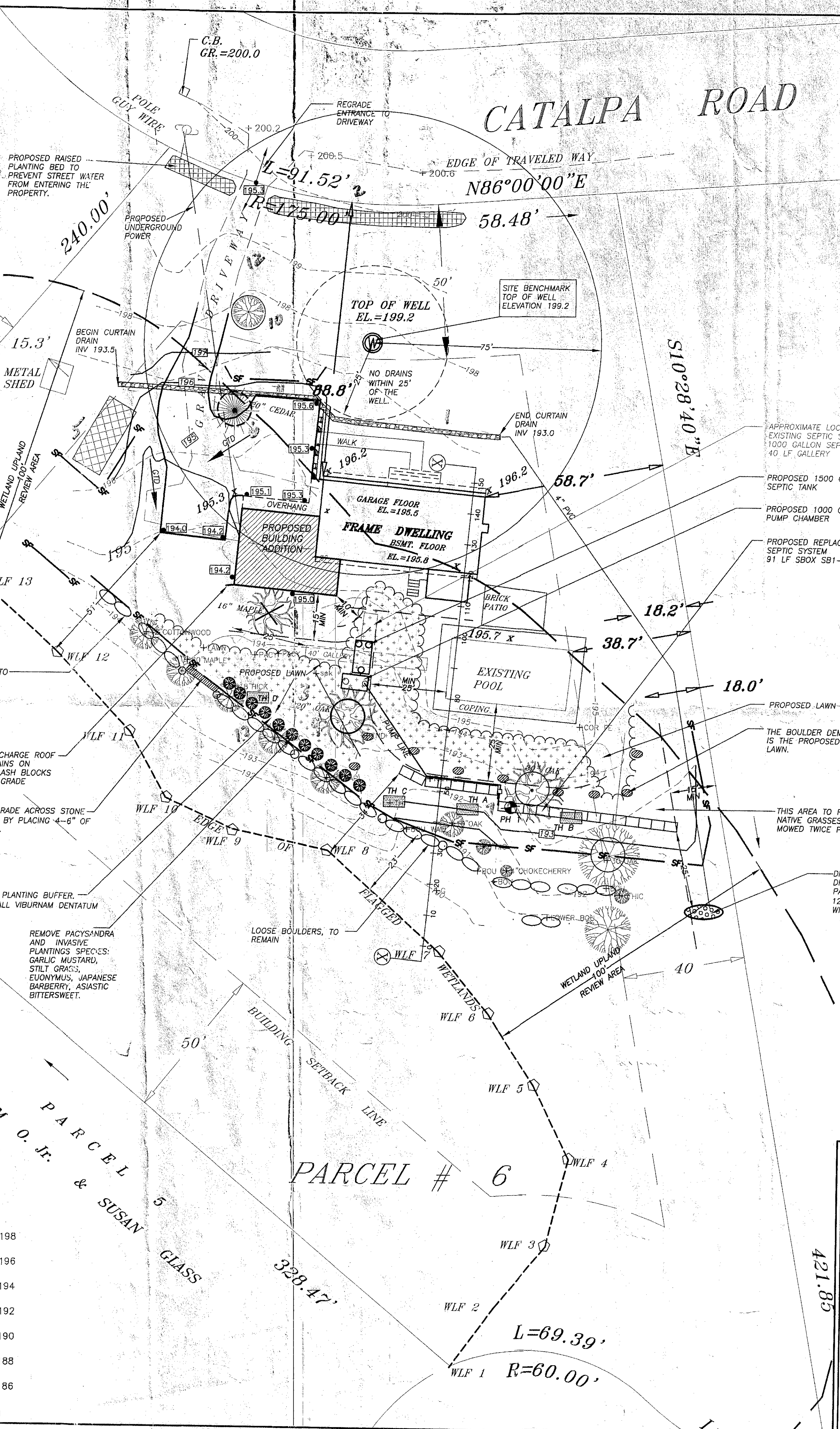
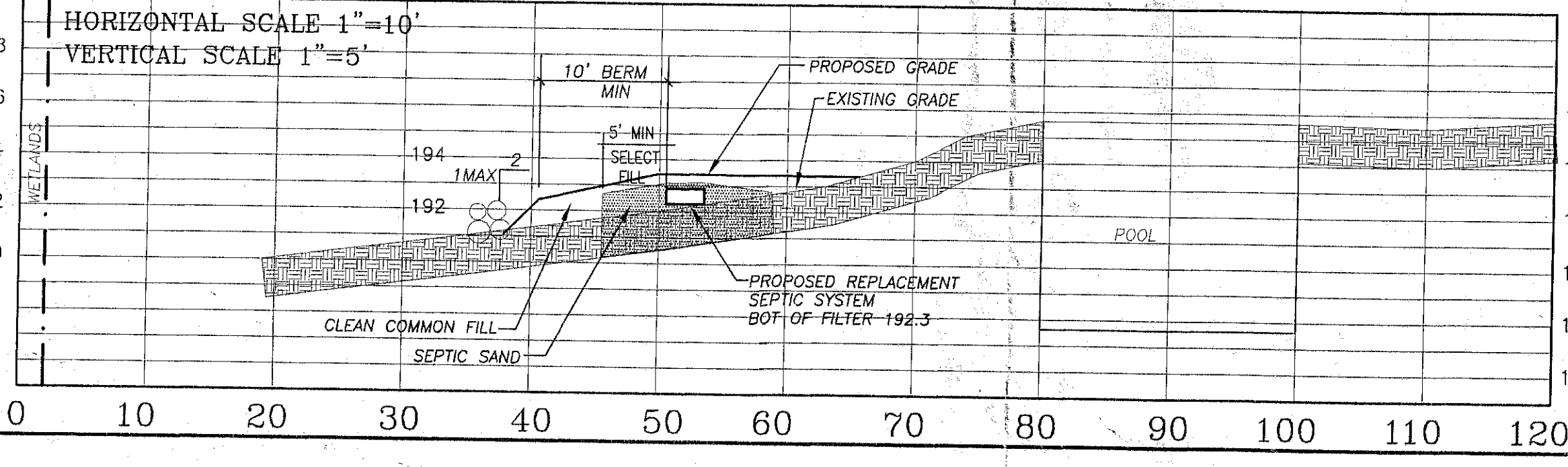
TEST HOLE DATA

DEEP TEST HOLES WERE PERFORMED BY TOM GIEGLER, LICENSED INSTALLER (001361) AND WITNESSED BY THE HEALTH DEPT.

TH A	0-18"	TOPSOIL
	18-36"	YELLOW BROWN SILTY LOAM
	36-72"	GREY MOTTLED HARDPAN
RL	36"	
TH B	0-22"	TOPSOIL
	22-32"	YELLOW BROWN SILTY LOAM
	32-84"	MOTTLED GREY HARDPAN
RL	32"	
TH C	0-14"	TOPSOIL
	14-25"	YELLOW BROWN SILTY LOAM
	25-67"	GREY MOTTLED HARDPAN
RL	25"	
TH D	0-16"	TOPSOIL
	16-25"	YELLOW BROWN SILTY LOAM
	25-36"	HARDPAN
RL	25"	

PERCOLATION TEST BY GIEGLER
PERCOLATION RATE 1" / 10 MINUTES

SECTION AT X-X



- INSTALLATION OF COCONUT LOG**
NOT TO SCALE
1. RAKE LEAF LITTER.
 2. PLACE LOG PROVIDING MAXIMUM CONTACT AREA ON GROUND SURFACE.
 3. PUSH LEAF LITTER AGAINST LOG TO FILL VOIDS ON UPHILL SIDE OF LOG.

LEGEND

- 102 --- EXISTING CONTOUR
- 102 --- PROPOSED CONTOUR
- + 100.2 --- EXISTING SPOT ELEVATION
- 100.8 --- PROPOSED SPOT ELEVATION
- PH 1 --- PERCOLATION HOLE
- TH 1 --- DEEP TEST HOLE
- SF --- SILT FENCE AND/OR COCONUT ROLL
- RIPRAP PAD
- GRADE TO DRAIN
- ROOF DRAIN
- STOCKPILE AREA
- TREE PROTECTION
- TREE PROTECTION EFFORTS MADE TO SAVE TREE
- TREE TO BE REMOVED
- BOULDER DEMARCATION
- PROPOSED NEW GRASS AREA
- PROPOSED FERNS

PLAN NOTES

- NOTE 1:**
THE PURPOSE OF THIS PLAN IS TO OBTAIN APPROVAL TO CONSTRUCT A BUILDING ADDITION AND DESIGNATE A CODE COMPLYING SEPTIC REPLACEMENT AREA.
- NOTE 2:**
PROPERTY METES AND BOUNDS TAKEN FROM MAP PREPARED BY RKW LAND SURVEYORS, NEW CANAAN, CT TITLED "MAP PREPARED FOR SUSAN AND JONATHAN SAXON, WILTON, CONNECTICUT".
- NOTE 3:**
WETLANDS FIELD DESIGNATED BY OTTO THEALL, SOIL SCIENTIST NOVEMBER 2005, AND FIELD LOCATED BY RKW LAND SURVEYING JULY 6, 2006.

LAND USE APPROVALS
HEALTH
WETLANDS
EROSION
ZONING

TOWN SIGNATURE BLOCK

FB
FILE:
DRAWING # 120221
DATE: FEB 20, 2012
REV: JUNE 12, 2012

Peak Engineers, LLC
PROVIDING CIVIL ENGINEERING SERVICES
Mailing Address: PO BOX 312 Georgetown, CT 06829-0312
Office Address: 4 Old Mill Road, Redding, CT 06896
Tel 834-0588 Fax 834-0589 Email tqinn@peakengineersllc.com

PREPARED FOR
Susan and Jonathan Saxon
197 Catalpa Road
Wilton, Connecticut 06897

PROJECT LOCATION
197 Catalpa Road
Wilton, Connecticut 06897
MAP 60, LOT 17 2.075 ACRES

TITLE
**Inland Wetland Plan
Proposed Building Addition
Alternative Plan Two**

THIS PRINT IS INVALID WITHOUT LIVE RED SEAL