

**STORM WATER RECHARGE:**

Proposed Addition = 220 sf = 0.005 ac  
 Pre-Construction: 2 yr,  $Q = (0.25)(4.1)(0.005) = 0.005$  cfs  
 Post-Construction 10 yr,  $Q = (0.95)(6.5)(0.005) = 0.031$  cfs  
 Storage =  $(0.031 - 0.005)(60)(15) / (2) = 12$  cf  
 SCS 2 yr storm = 3.3 in., w/ CN = 75, runoff depth = 1.16 in  
 10 yr storm = 5.0 in., w/ CN = 98, runoff depth = 4.76 in  
 difference = 3.6 in. = 0.30 ft  
 (220 sf)(0.30 ft) = 66 cf  
 (12 + 66) / (2) = 39 cf  
 SCS 100 yr storm = 7.2 in., w/ CN = 75, runoff depth = 4.32 in.  
 w/ CN = 98, runoff depth = 6.96 in.  
 difference = 2.64 in. = 0.22 ft.  
 (220 sf)(0.22 ft) = 48 cf  
 Using PVC High Capacity Sidewinder Galleries  
 (l = 75', w = 34", h = 16") @ 22 +/- cf / unit  
 (48) / (22) = 2 units

**SOIL TESTING:**

Test Hole #1 (10/22/03)  
 0" -4" Topsoil  
 4" -18" Red-Brown, Silty Subsoil w/ Roots  
 18" -42" Bkn. Rock  
 Ledge @ 18" to 42", No Water, No Mottling

Test Hole #2 (10/22/02)  
 0" -6" Topsoil  
 6" -24" Gravelly Sand & Silt  
 24" -84" Red-Brown, Fine to Med. Sand & Silt  
 No Ledge, Water @ 60", Mottling @ 24"

**PERCOLATION TEST:**

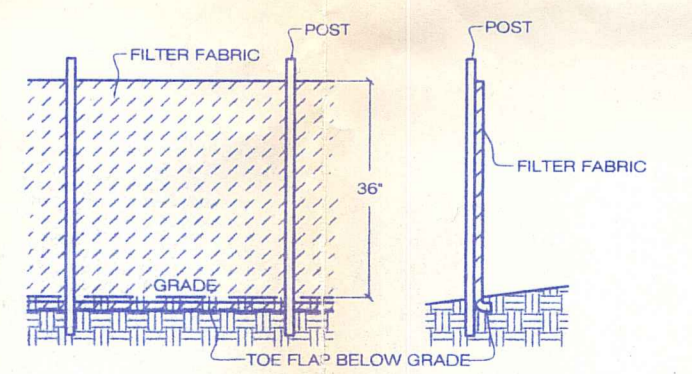
"P-1" (11/25/03)  
 depth = 36"; presoak @ 1:00  
 time: reading: drop:  
 2:00 1.92 feet  
 2:10 1.96 feet 0.04 feet  
 2:20 2.00 feet 0.04 feet  
 2:30 2.03 feet 0.03 feet  
 2:40 2.06 feet 0.03 feet  
 2:50 2.09 feet 0.03 feet  
 0.03 feet = 3/8 inch  
 PERC RATE: 1 inch in 27 minutes

**SEPTIC SYSTEM:**

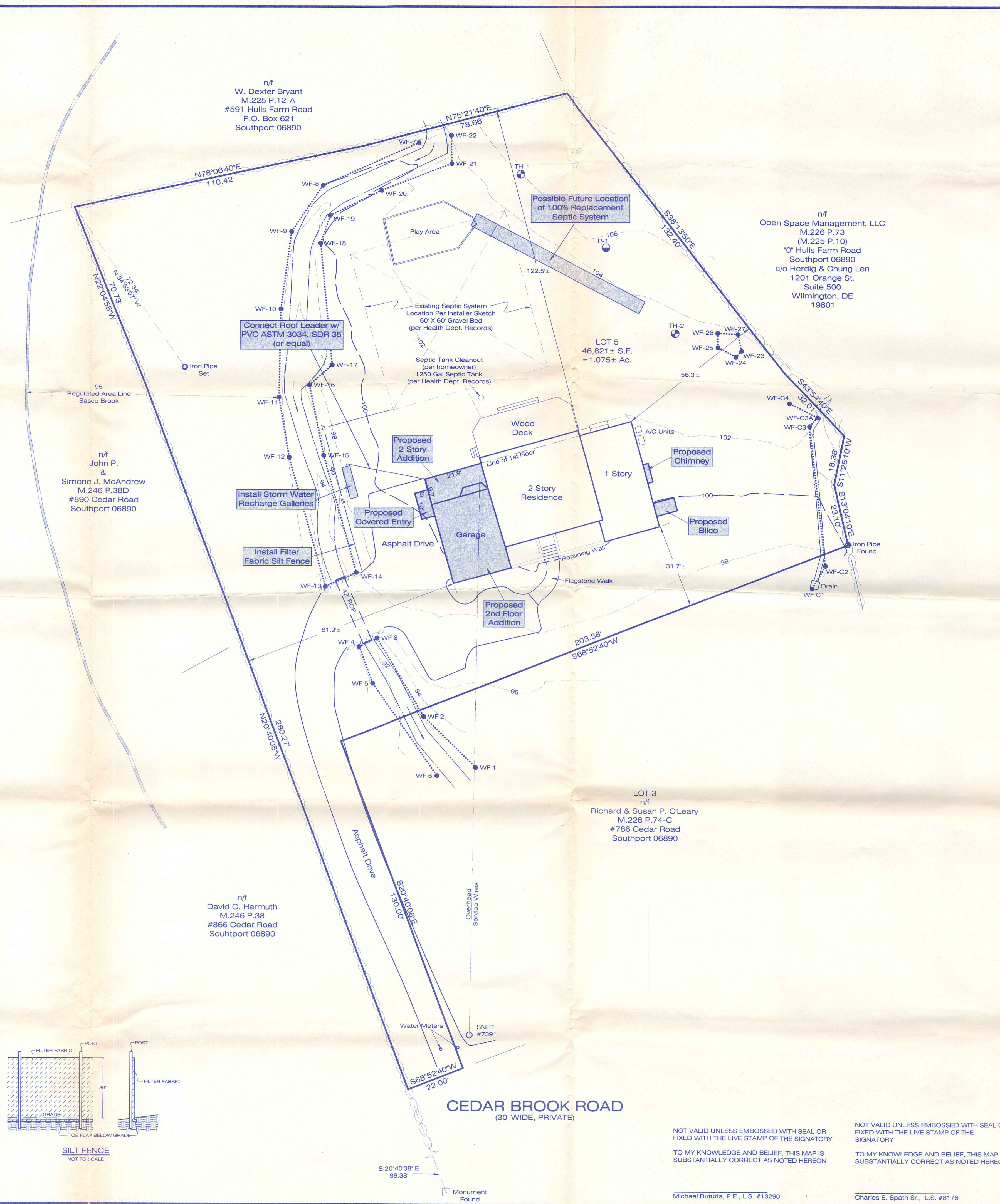
4 Bedroom House Requires 1,000 sf Leaching Area  
 Existing Septic System (Per Health Dept. Records)  
 60 ft x 60 ft Gravel Bed  
 Effective Leaching Area =  $(60)(60) / (3) = 1,200$  sf  
 Code Complying Septic Area:  
 Using Living Filter, LF2426, w = 64", h = 24"  
 w/ effective area of 14.2 sf / ft  
 (1,000) / (14.2) = 71 ft required

**SEPTIC "B-100" Note**

The results of the soil tests performed only indicate that future expansion of the septic system is possible. Prior to any expansion the design engineer is to be consulted with regards to specific location of the system, elevations, and size. The design engineer is not responsible if this information is utilized in the expansion and, or relocation of the system without a formal design drawing being prepared, and approved by the local authorities.



**SILT FENCE**  
 NOT TO SCALE



RESIDENCE AA DISTRICT	MINIMUM REQUIRED MAXIMUM ALLOWED	EXISTING CONDITIONS	PROPOSED CONDITIONS	AS-BUILT CONDITIONS
Minimum Lot Area	43,560	46,821±	46,821±	-
Minimum Square On Lot	135	135±	135±	-
Minimum Lot Frontage	20	22.00'	22.00'	-
<b>MINIMUM SETBACK</b>				
Setback From Street Line	50	180.4±	180.4±	-
Setback From Side Property Lines - One Story	-	-	-	-
Setback From Side Property Lines - More Than One Story	-	-	-	-
Setback From Rear Property Lines	25	31.7±	31.7±	-
Setback From Street Line On A Corner Lot - One Story	40	122.5±	122.5±	-
Setback From Street Line On A Corner Lot - More Than One Story	-	-	-	-
<b>MINIMUM FLOOR AREA</b>				
Floor Area - One Story Building	1,200	-	-	-
Floor Area - Split Level Building	1,500	-	-	-
Floor Area - Two Or More Story Building Total Floor Area	1,500	3,345±	4,447±	-
Floor Area - Two Or More Story Building Ground Floor Area	1,000	2,046±	2,259±	-
Maximum Height For A Building Or Structure	40	28'±	28'±	-
Maximum Number Of Stories Per Building	3	2	2	-
Maximum Building Lot Coverage As A Percentage Of Lot Area	10%	7.2%±	7.7%±	-
Maximum Building Floor Area As A Percentage Of Lot Area	20%	8.7%±	11.0%±	-
Minimum First Floor Elevation	-	-	-	-

**NOTES:**

- This survey and map has been prepared in accordance with the Sections 20-300b-1 through 20-300b-20 of the Regulations of Connecticut State Agencies - "Minimum Standards for Survey and Maps in the State of Connecticut" as endorsed by the Connecticut Association of Land Surveyors, Inc. It is a Zoning Location Survey based upon a Dependent Resurvey and conforms to Horizontal Accuracy Class A-2.
- Reference is made to the following maps on file in the Fairfield Town Clerks Office:  
 A. RM #4050 - "Subdivision For Lidizio A. Renzulli, Fairfield, Conn., March 15, 1969" Map prepared by The Huntington Company.
- The location of underground utilities, if any, is unknown
- Property is located in FEMA Zone X. Per Flood Insurance Rate Map, Community Panel #090007 0008 C, Revised October 6, 1998, panel 8 of 11.
- Property is served by public water and a septic system.
- According to map H-14 of the "Designated Inland Wetlands & Water Courses of the Town of Fairfield" this property does contain inland wetland "Regulated Area" as defined in Section 2-1.27 of the Inland Wetlands and Watercourses Regulations of the Town of Fairfield.
- Wetlands shown as flagged in the field by Environmental Planning Services, March 3, 2004 Michael S. Klein, Reg. Soil Scientist.

APPROVED  
 FOR ZONING COMPLIANCE  
 FOR NEW GARAGE AND 2ND FLOOR ADDITION  
 CORRECTED PER PLAN 20423  
 [Signature]  
 Zoning Enforcement Officer

STREET ADDRESS #790 CEDAR ROAD  
 ASSESSORS MAP # 226 PARCEL # 74-D  
 ZONE RESIDENCE AA  
 OWNER/APPLICANT BRENDAN T. & CAROLYN S. MILES  
 #790 CEDAR ROAD  
 SOUTHPORT, CT 06890  
 203-259-4536  
 PROPOSAL CONSTRUCT 1 & 2 STORY ADDITIONS  
 DATE APRIL 13, 2004 SCALE 1"=20'

**ZONING LOCATION SURVEY**  
 PREPARED FOR  
**BRENDAN T. & CAROLYN S. MILES**  
 #790 CEDAR ROAD  
 SOUTHPORT, CONNECTICUT

DATE: APRIL 13, 2004 SCALE: 1"=20' DRAFTER: D.A.H. JOB NUMBER: 13703 FILE NUMBER:  
 NO. DATE DESCRIPTION  
 1 6-29-04 PROPOSAL  
 THE HUNTINGTON COMPANY, LLC  
 Consulting Engineers & Surveyors  
 1150 Post Road, Fairfield, CT  
 203.259.1091

1/1

NOT VALID UNLESS EMBOSSED WITH SEAL OR FIXED WITH THE LIVE STAMP OF THE SIGNATORY  
 TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON  
 Michael Buturia, P.E., L.S. #13290  
 Charles S. Spath Sr., L.S. #8176