

$$\text{WATER QUALITY VOLUME} = \frac{(P) (R) (A)}{12}$$

P = 1.3 INCHES

R=1.05 + 0.009I

I = POST DEVELOPMENT IMPERVIOUS AREA (PERCENT) 4.34%

A = POST DEVELOPMENT TOTAL DRAINAGE AREA
OF SITE OR DESIGN POINT 130,519 SF

$$\frac{(1.3) (.05) (130,519)}{12} = 707 \text{ CU. FT.}$$

RAIN GARDEN "A"

EX. CONTOUR 100 = 214 SF

EX. CONTOUR 101 = 400 SF

EX. VOLUME = 307 CU. FT.

PR. CONTOUR 100 = 326 SF

PR. CONTOUR 101 = 560 SF

PR. VOLUME = 443 CU. FT.

RAIN GARDEN "B"

EX. CONTOUR 100 = 86 SF

EX. CONTOUR 101 = 214 SF

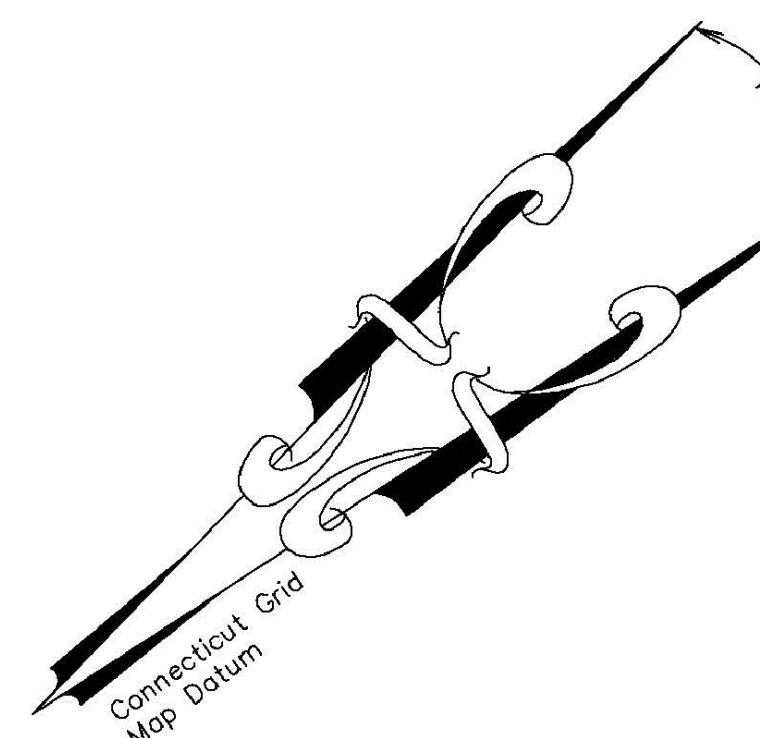
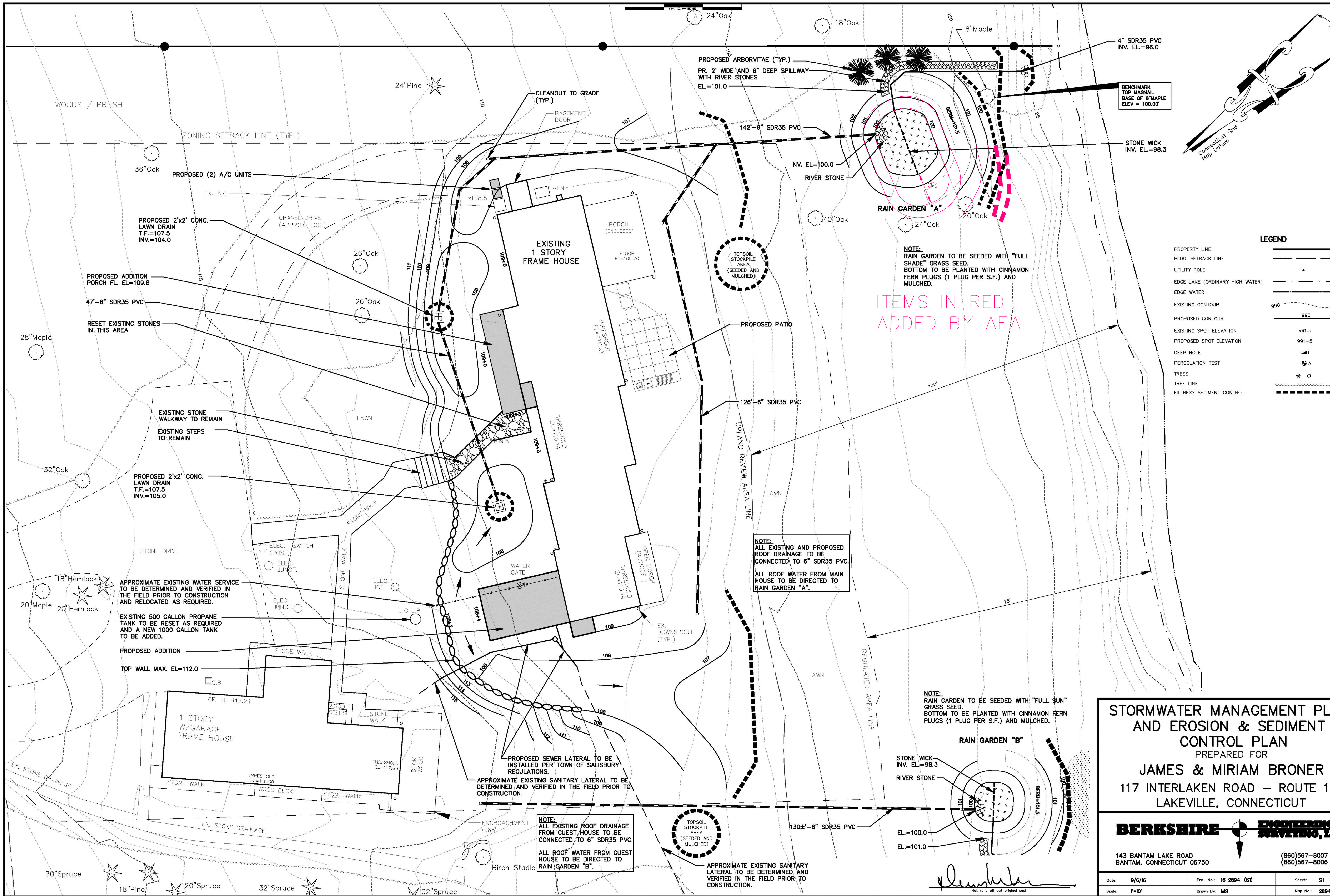
EX. VOLUME = 150 CU. FT.

PR. CONTOUR 100 = 176 SF

PR. CONTOUR 101 = 358 SF

PR. VOLUME = 267 CU. FT.

$$267 \text{ CU. FT.} + 443 \text{ CU. FT.} = 710 \text{ CU. FT.}$$



LEGEND

| | |
|---------------------------------|---------------|
| PROPERTY LINE | --- |
| BLDG. SETBACK LINE | --- |
| UTILITY POLE | +--- |
| EDGE LAKE (ORDINARY HIGH WATER) | --- |
| EDGE WATER | --- |
| EXISTING CONTOUR | 990 - - - - - |
| PROPOSED CONTOUR | 990 - - - - - |
| EXISTING SPOT ELEVATION | 991.5 |
| PROPOSED SPOT ELEVATION | 991+5 |
| DEEP HOLE | ⊠ |
| PERCOLATION TEST | ⊙ |
| TREES | * ○ |
| TREE LINE | --- |
| FILTREX SEDIMENT CONTROL | --- |

**STORMWATER MANAGEMENT PL.
AND EROSION & SEDIMENT
CONTROL PLAN**
PREPARED FOR
JAMES & MIRIAM BRONER
117 INTERLAKEN ROAD – ROUTE 11
LAKEVILLE, CONNECTICUT

BERKSHIRE ENGINEERING SURVEYING, LLC

143 BANTAM LAKE ROAD
BANTAM, CONNECTICUT 06750 (860)567-8007
(860)567-8006

Date: 9/6/16 Proj. No.: 16-2894_(61) Sheet: S1
Scale: 1"=10' Drawn By: MS Map No.: 2894

ITEMS IN RED
ADDED BY AEA

NOTE:
RAIN GARDEN TO BE SEEDED WITH "FULL
SHADE" GRASS SEED.
BOTTOM TO BE PLANTED WITH CINNAMON
FERN PLUGS (1 PLUG PER S.F.) AND
MULCHED.

NOTE:
ALL EXISTING AND PROPOSED
ROOF DRAINAGE TO BE
CONNECTED TO 6" SDR35 PVC.
ALL ROOF WATER FROM MAIN
HOUSE TO BE DIRECTED TO
RAIN GARDEN "A".

NOTE:
RAIN GARDEN TO BE SEEDED WITH "FULL SUN"
GRASS SEED.
BOTTOM TO BE PLANTED WITH CINNAMON FERN
PLUGS (1 PLUG PER S.F.) AND MULCHED.

NOTE:
ALL EXISTING ROOF DRAINAGE
FROM GUEST HOUSE TO BE
CONNECTED TO 6" SDR35 PVC.
ALL ROOF WATER FROM GUEST
HOUSE TO BE DIRECTED TO
RAIN GARDEN "B".

APPROXIMATE EXISTING SANITARY
LATERAL TO BE DETERMINED AND
VERIFIED IN THE FIELD PRIOR TO
CONSTRUCTION.

APPROXIMATE EXISTING SANITARY LATERAL TO BE
INSTALLED PER TOWN OF SALISBURY
REGULATIONS.

APPROXIMATE EXISTING WATER SERVICE
TO BE DETERMINED AND VERIFIED IN
THE FIELD PRIOR TO CONSTRUCTION
AND RELOCATED AS REQUIRED.

EXISTING 500 GALLON PROPANE
TANK TO BE RESET AS REQUIRED
AND A NEW 1000 GALLON TANK
TO BE ADDED.

PROPOSED ADDITION
TOP WALL MAX. EL=112.0

PROPOSED 2'x2' CONC.
LAWN DRAIN
T.F.=107.5
INV.=105.0

PROPOSED ADDITION
PORCH FL. EL=109.8

PROPOSED 2'x2' CONC.
LAWN DRAIN
T.F.=107.5
INV.=104.0

PROPOSED (2) A/C UNITS

