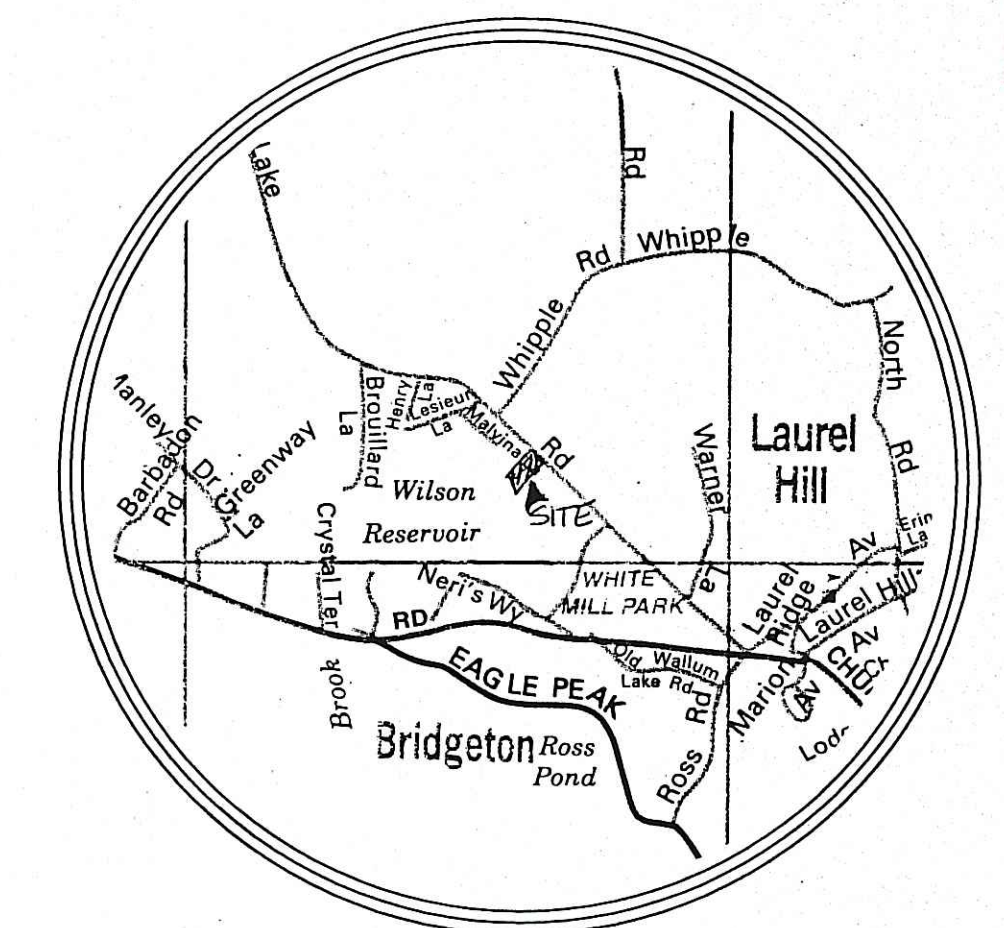


OCT 24 2005



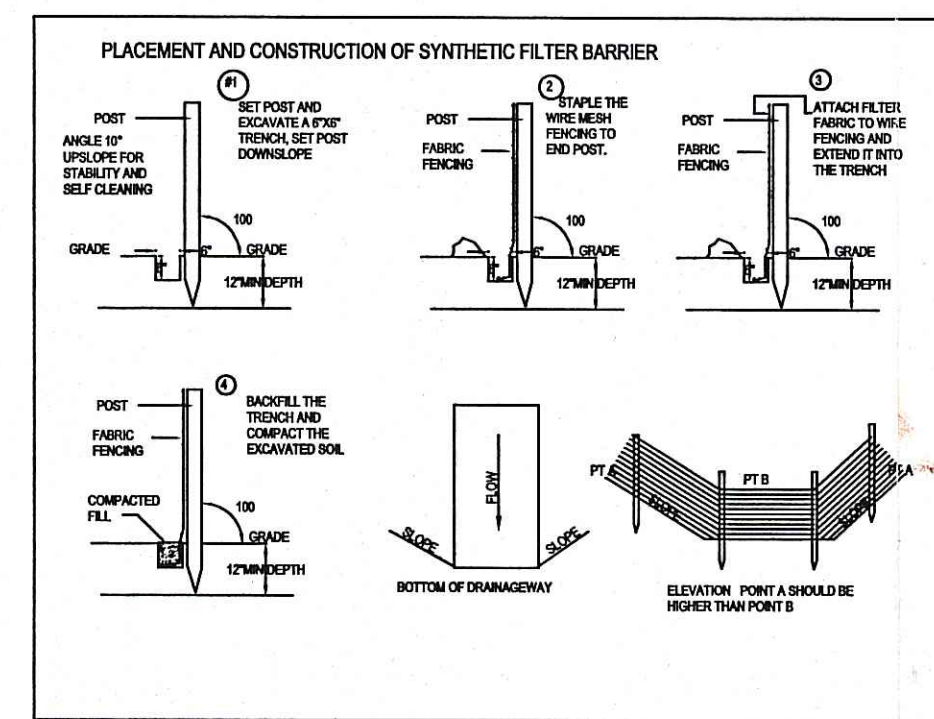
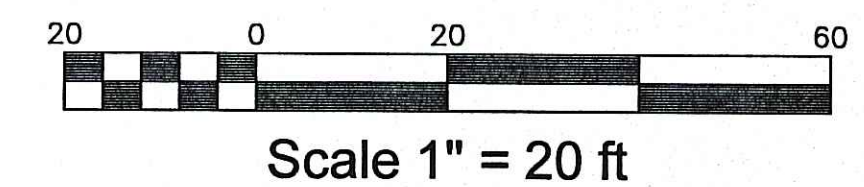
LOCATION MAP

WETLANDS APPLICATION

PREPARED FOR
STEPHEN WILDENHAIN
PLAT 139, LOT 18
EAST WALLUM LAKE ROAD
BURRILLVILLE, R.I.

PREPARED BY
A.R.M. ENGINEERING, INC.
211 Main Street PO Box 507
Ashaway, RI 02804
(401) 377-0080

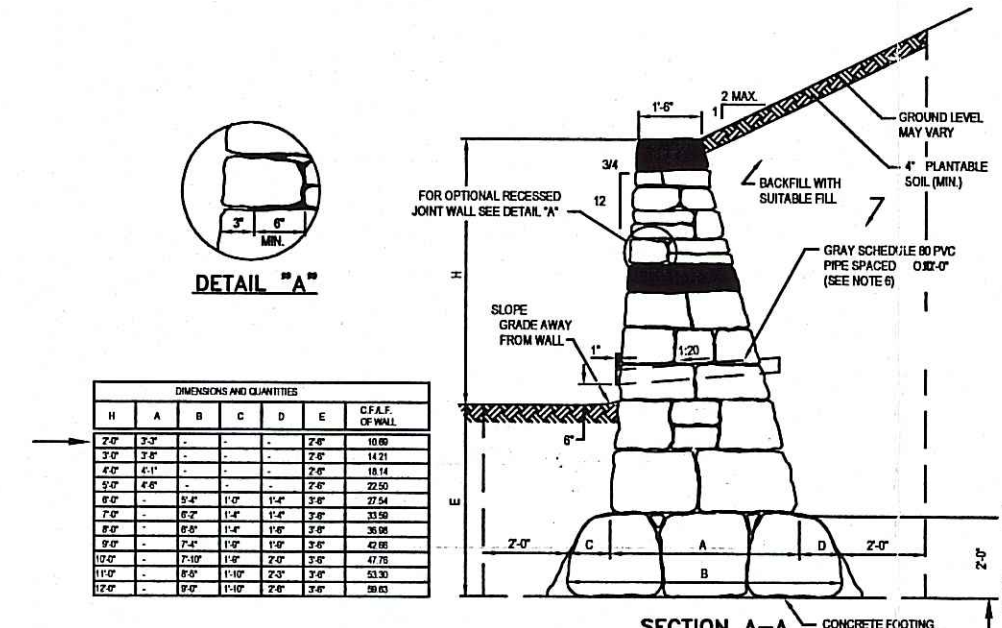
APPLICANT SEEKING A VARIANCE FOR SD 15.02(B) SITE SUITABILITY, ISDS CHECK LIST ITE #181, ISDS PROHIBITED WT < 2'. SEEKING A VARIANCE OF 3" USING A BOTTOMLESS SAND FILTER WITH HYDRAULIC LOADING OF 1.88 GPD PER SF. USING A CATEGORY 1 PRE-TREATMENT SYSTEM.



SOIL EROSION AND SEDIMENT CONTROL

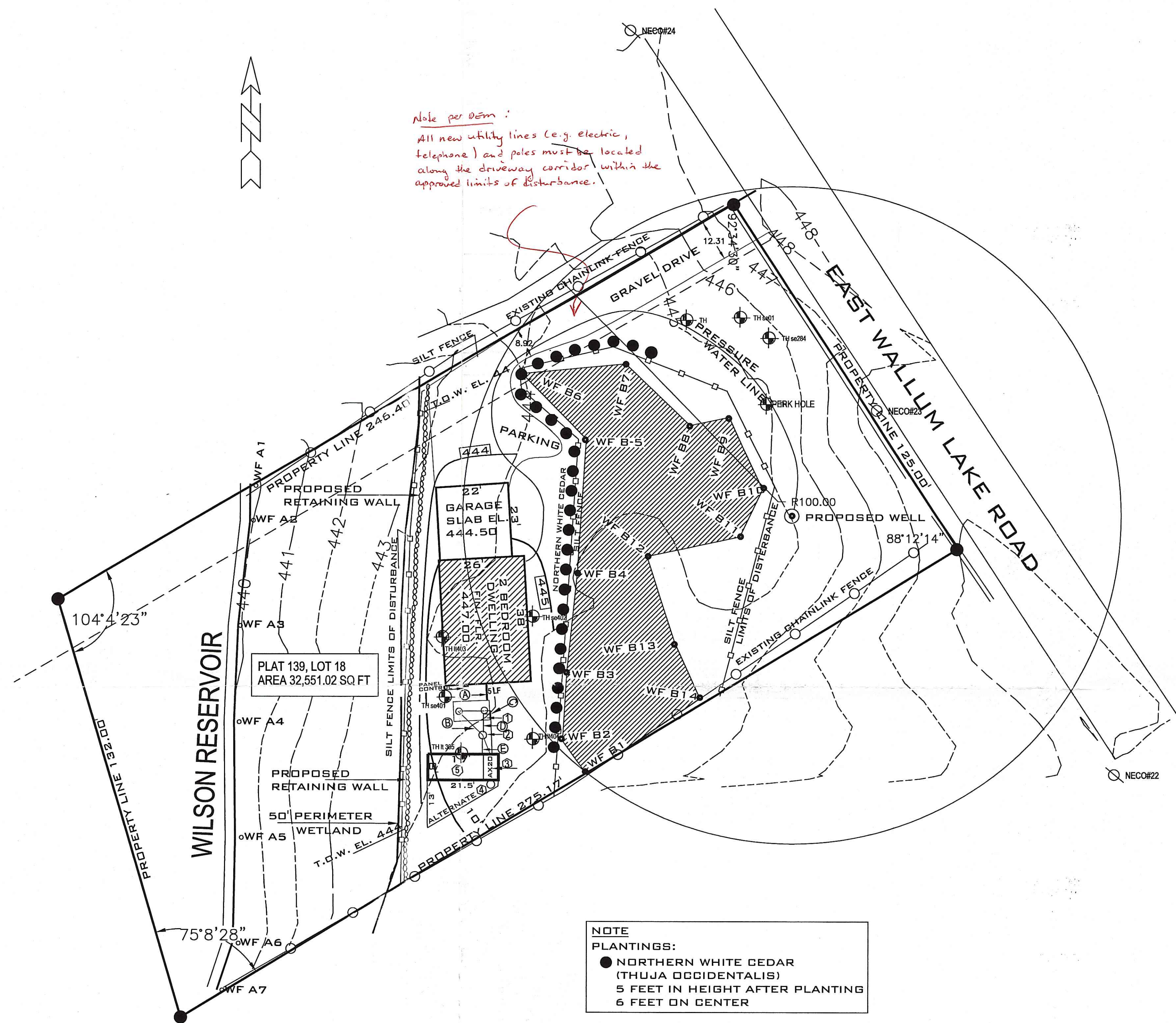
A. FILTER FENCE INSTALLATION
1. DIG A SIX INCH TRENCH ON THE UPHILL SIDE OF THE DESIRED FENCE LINE LOCATION.
2. POSITION THE POST IN THE BACK OF THE TRENCH (DOWNHILL SIDE) AND HAMMER THE POST AT LEAST 1.5 FEET INTO THE GROUND.
3. LAY THE BOTTOM SIX INCHES OF THE FABRIC INTO THE TRENCH TO PREVENT UNDERMINING BY STORM WATER RUNOFF.
4. BACK FILL THE TRENCH AND COMPACT.
B. FILTER FENCE MAINTENANCE
1. FILTER FENCE BARRIERS ARE TO BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST ONCE DAILY DURING PERIODS OF PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
2. SHOULD THE FABRIC BECOME OR BECOME INEFFECTIVE PRIOR TO THE END OF THE USABLE LIFE, AND THE BARRIER STILL NECESSARY, THE FABRIC SHALL BE REPLACED IMMEDIATELY.
3. SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN THEY REACH TO THE HEIGHT OF THE BARRIER.
4. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER REMOVAL OF THE FILTER FABRIC BARRIER SHALL BE DISPOSED TO CONFORM TO THE EXISTING GRADE, PRESERVE AND SEED.
C. TOPSOIL STOCKPILE
1. THE TOPSOIL AND SUBSOIL EXCAVATED WILL BE STOCKPILED UPHILL OF THE AREA OUTLINED BY THE FILTER FABRIC FENCE. WITHIN THE AREA OF NECESSARY DISTURBANCE, IF THE STOCKPILED MATERIAL REMAINS IN PLACE FOR PROLONGED PERIODS OF TIME IN ORDER TO COMPLETE THE HIGH GRADING AND FOUNDATION BACKFILLING, THE STOCKPILE SHALL BE SEEDING WITH CONSERVATION SEED MIX OR HAY MULCH OR LIME NETTING WILL BE APPLIED TO COVER THE STOCKPILE UNTIL FINISH GRADING CAN BE COMPLETED.
D. HAY BALE INSTALLATION (ALTERNATE)
1. BALES SHALL BE PLACED IN A SINGLE ROW, LONGITUDINALLY ORIENTED PARALLEL TO THE CONTOUR, WITH ENDS OF ADJACENT BALES TIGHTLY ADJUTING ONE ANOTHER.
2. BALES SHALL BE ENTRENCHED AND BACKFILLED. A TRENCH SHALL BE EXCAVATED THE WIDTH OF A BALE AND THE LENGTH OF THE PROPOSED BARRIER TO A MINIMUM DEPTH OF FOUR INCHES. AFTER THE BALES ARE STAKED, THE EXCAVATED SOIL SHALL BE BACK FILLED AGAINST THE BARRIER.
3. EACH BALE SHALL BE SECURELY ANCHORED BY AT LEAST TWO STAKES.
4. THE GAPS BETWEEN BALES SHALL BE WEDGED WITH STRAW TO PREVENT WATER FROM ESCAPING BETWEEN THE BALES.
5. THE BARRIER SHALL BE EXTENDED TO SUCH A LENGTH THAT THE BOTTOMS OF THE END BALES ARE HIGHER IN ELEVATION THAN THE TOP OF THE LOWEST MIDDLE BALE TO INSURE THAT THE SEDIMENT LADEN RUNOFF WILL FLOW EITHER THROUGH OR OVER THE BARRIER, BUT NOT AROUND IT.
E. GRADING AND FINISHING WITH SEEDING
1. ALL DISTURBED AREAS SHALL BE SEED AS SOON AS POSSIBLE WITH CONSERVATION SEED MIX ON SLOPES AND DRIVE LANE SEED MIX ON FLATS WITH WEED AREAS, SEED CANOPY GRASS AND RED TOP AT A 4:1 RATIO. MULCH WITH STRAW ALL AREAS AFTER SEEDING.
2. THE SITE AROUND THE HOUSE WILL BE FINE GRADED AND ALL STONES LARGER THAN TWO INCHES WILL BE REMOVED. TOPSOIL WILL BE SPREAD TO A DEPTH OF NO LESS THAN 1" AND THE AREA WILL BE SEED WITH STANDARD LAWN MIX OR SOCCED.
F. NOTES
THE HOUSE LAYOUT ON THESE PLANS ARE FOR CONCEPTUAL PURPOSES ONLY. SHOULD THE PROSPECTIVE OWNER WISH TO LOCATE HIS DWELLING IN A DIFFERENT AREA THAN THAT SHOWN ON THESE PLANS, IT WILL BE HIS RESPONSIBILITY TO INSTALL EROSION CONTROL MEASURES TO PREVENT SOIL AND RUNOFF FROM ENTERING OTHER PROPERTIES. LOCAL AGENCIES WILL BE RESPONSIBLE FOR NO INCREASED RUNOFF AND FOR MAINTAINING NATURAL WATER COURSES WHERE APPLICABLE.

THE DATA CONTAINED ON THIS DRAWING WAS OBTAINED BY SITE OCCUPATION ON 3/12/05, TOPOGRAPHY SHOWN IS BASED ON A SURVEY NAIL IN PAVEMENT U.S.C.&G BASE EL. 448.72 WEST SIDE OF WALLUM LAKE ROAD.
WETLAND FLAGS BY SCOTT RABIDEAU.



RETAINING WALL DETAILS

Note per Dem:
All new utility lines (e.g. electric, telephone) and poles must be located along the driveway corridor within the approved limits of disturbance.



NOTE PLANTINGS:
● NORTHERN WHITE CEDAR (THUJA OCCIDENTALIS)
5 FEET IN HEIGHT AFTER PLANTING
6 FEET ON CENTER

PIPING DISTRIBUTION SCHEDULE	
ITEM	LOCATION
A	BUILDING SEWER TO SEPTIC TANK
B	FORCEMAIN FROM RECIRC. PUMP TO ADVANTEX FILTER
C	ADVANTEX FILTER GRAVITY OUTLET TO SPLITTER VALVE IN SEPTIC TANK
D	SPLITTER VALVE OVERFLOW TO DOSE TANK
E	DOSE TANK DISCHARGE TO SAND FILTER DISTRIBUTION MANIFOLD

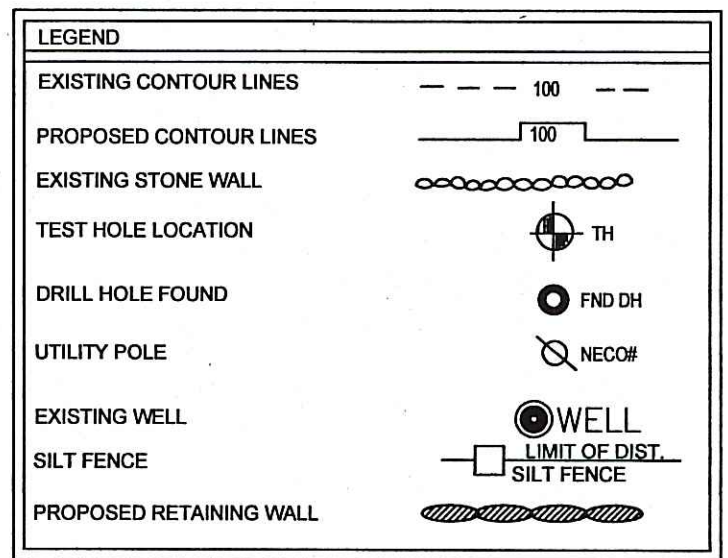
EQUIPMENT SCHEDULE	
ITEM	DESCRIPTION
1	1500 GALLON 2 COMPARTMENT SEPTIC TANK
2	24" fiberglass pump basin
3	RX 30 SERIES ADVANTEX TREATMENT SYSTEM
4	RX SPLITTER VALVE
5	10' x 24' BOTTOMLESS INTERMITTENT SAND FILTER

Subject Parcel falls within Zone A of National Flood Insurance Rate Map Community-Panel Number 440013 0010 B Panel 10 of 15, Town of Burrillville, Rhode Island. Map Revised July 2, 1979.

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESH-WATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED FEB 02 2006 FILE # 05-0493
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

D.3074
GEORGE B. DUPONT
PROFESSIONAL ENGINEER



DRAWN BY: T. RHODES
DATE: 09/13/05
APPROVED BY: [Signature]
PROJ. NO.:
DWG. NO.:

REVISIONS

A.R.M. ENGINEERING, INC.
211 Main Street PO Box 507
Ashaway, RI 02804
(401) 377-0080

PROJECT
STEPHEN WILDENHAIN
PLAT 139, LOT 18
EAST WALLUM LAKE ROAD
BURRILLVILLE, R.I.

DATE: 3/28/05
ENG APPR: [Signature]
DATE:
DRAWN BY: T.E.R.
TITLE: ISDS DESIGN FOR PROPOSED 2 BEDROOM
SCALE 1"=20'
PROJECT NO:
DRAWING NO: 1
LAST EDIT DATE: 3/15/05
PO NO.:
CAD FILE No.:
WETLANDS APPLICATION

OCT 24 2005