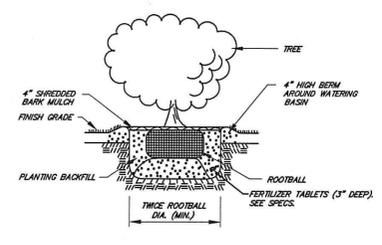
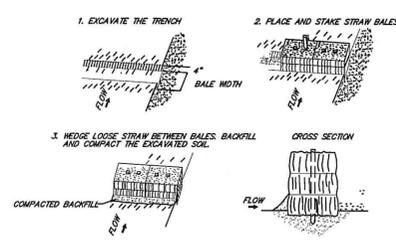
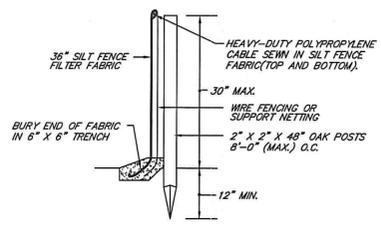


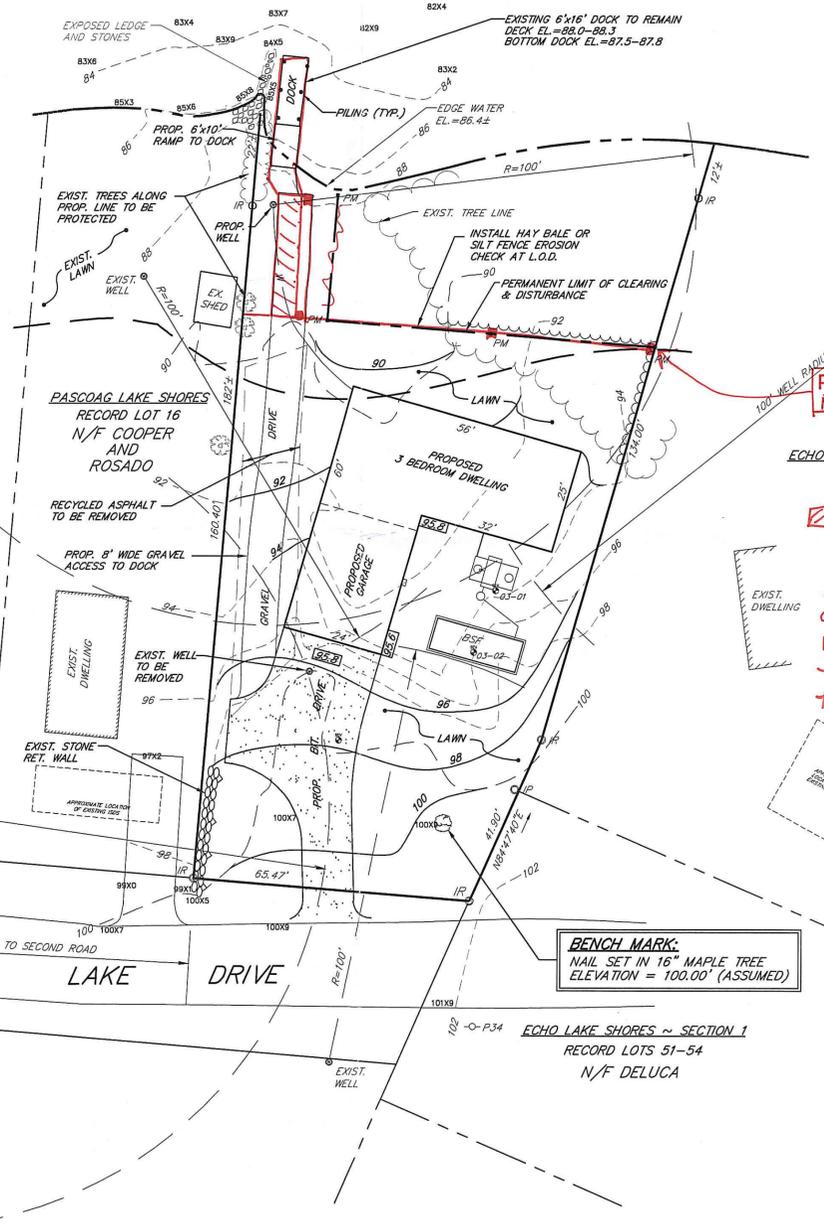
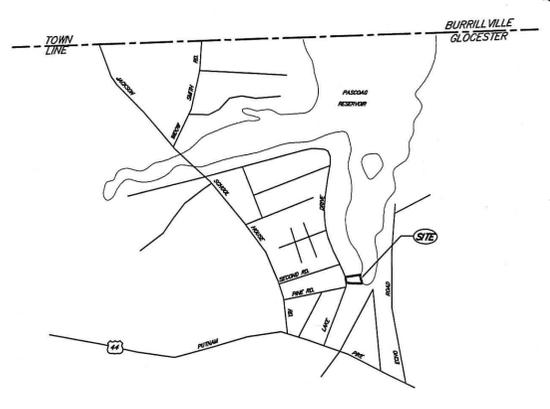
PASCOAG RESERVOIR  
HIGH WATER C.L. = 86.4±



- PLANTING NOTES**
- LIMIT OF DISTURBANCE LINES SHALL BE PLANTED WITH AN ALTERNATING ROW OF 3 EASTERN WHITE PINE (PINUS STROBUS), AND 3 ROSEBAY RHODODENDRON (RHODODENDRON MAXIMILIANS) 4" TALL, BALLED AND BURLAPED AND PLANTED 10' O.C.
  - ANY PLANTING WHICH FAILS TO SURVIVE FOR ONE FULL GROWING SEASON SHALL BE REPLACED AT NO COST TO THE OWNER OR DEVELOPER. REPLACEMENT PLANTINGS SHALL BE SIMILARLY GUARANTEED FOR ONE FULL YEAR.
  - ALL DISTURBED AREAS WITHIN JURISDICTIONAL WETLANDS SHALL BE STABILIZED WITH 4" LOAM & CONSERVATION GRASS SEED MIX AND COVERED WITH SPREAD HAY MULCH.
  - ALL OTHER DISTURBED AREAS SHALL BE STABILIZED WITH 4" LOAM & SEED OR SOB.



- INSTALLATION NOTES**
- SET POSTS MINIMUM DEPTH 12" AND EXCAVATE 6" X 6" TRENCH UPSLOPE ALONG LINE OF POSTS.
  - STAPLE WIRE FENCING TO THE POSTS.
  - ATTACH THE FILTER FABRIC TO THE WIRE FENCE AND EXTEND TO TRENCH.
  - BACKFILL AND COMPACT THE EXCAVATED SOIL.
  - BARRIER HEIGHT NOT TO EXCEED 30". LOCATE 6 FEET FROM TOE OF SLOPE. OVERLAP FILTER FABRIC 6" AT POSTS. POST SPACING MAXIMUM 8 FEET.



Permanent Limit of Disturbance Revised in Red per RIDEM.  
Permanent Markers revised accordingly (a).

Proposed Path where Cross-hatched in Red, not to exceed (5) five feet in width

Any area outside the permanent Limit of Disturbance disturbed for the well installation, must be allowed to revert to a natural state. Any other areas outside the permanent limit of disturbance must be allowed to revegetate to a natural state.

**BENCH MARK:**  
NAIL SET IN 16" MAPLE TREE  
ELEVATION = 100.00' (ASSUMED)

- GENERAL NOTES**
- PROPERTY LINE AND TOPOGRAPHIC INFORMATION FROM PLANS BY SITUATE SURVEYS INC.
  - SITE IS WITHIN FLOOD HAZARD ZONE C (AREAS OF MINIMAL FLOODING) PER F.L.R.M. MAP PANEL NO. 440034-0010B.
  - REFERENCE I.S.D.S. PERMIT NO. 9513-1B54.
  - REFERENCE PREVIOUS WETLAND PERMIT NO. 04-0339.
  - NO EXCAVATION, SOIL DISTURBANCE OR VEGETATION REMOVAL IS ALLOWED BELOW THE HIGH WATER LINE OF THE RESERVOIR OR OUTSIDE THE LIMITS OF DISTURBANCE SHOWN ON THESE PLANS.

**ZONING DATA**

PASCOAG LAKE SHORES PLAT  
MIN. YARDS: FRONT: 30'  
SIDE: 10'  
REAR: 10'

**LEGEND**

- 90 --- EXIST. CONTOUR
- 90 --- PROPOSED CONTOUR
- 100 --- EXIST. UTILITY POLE
- 100 --- GROUNDWATER TEST HOLE
- 237.0 --- EXIST. SPOT ELEV.
- 237.0 --- PROP. SPOT ELEV.
- x x x x --- HAYBALE EROSION CHECK
- 0 --- WELL
- 0 --- STONE WALL
- 0 --- EDGE OF POND
- PW --- 50' PERIMETER WETLAND
- LOD --- LIMIT OF DISTURBANCE
- PM --- PERMANENT MARKER
- \* --- PROP. PLANTINGS
- --- EXIST. TREE LINE
- --- PROP. TREE LINE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVE WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED JUN 13 2009 FILE # 09-0083  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANNING

Nancy L. Freeman

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

TOPOGRAPHIC INFORMATION ON THESE PLANS WAS COMPILED FROM THE GROUND SURVEY AND CONFORMS TO A CLASS III STANDARD AS ADOPTED BY THE R.I. BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS. BY: <i>Scott F. Moorehead</i> 4-6-09 SCOTT F. MOOREHEAD P.L.S. 1734 DATE	SCOTT F. MOOREHEAD No. 1734 REGISTERED PROFESSIONAL LAND SURVEYOR	SCOTT F. MOOREHEAD No. 4298 REGISTERED PROFESSIONAL ENGINEER	DATE	REVISION	<b>PROPOSED LOT DEVELOPMENT</b> PASCOAG LAKE SHORES PLAT LOTS 17 & 17A LAKE DRIVE GLOCESTER, RHODE ISLAND PREPARED FOR: JOSEPH & DONALD DIAS 107 SUNDALE ROAD CRANSTON, RHODE ISLAND 02921
			DWN. BY: LBC	DWG. NO. SFM722	

RIDEM COPY

**PASCOAG RESERVOIR**

HIGH WATER EL. = 86.4±

B2X4

**GENERAL NOTES**

1. ALL WORK PERFORMED HEREIN SHALL BE GOVERNED BY THE R.I. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (REVISION OF 1997) WITH ALL CORRECTIONS AND ADDENDA AND THE 1998 R.I. STANDARD DETAILS WITH ALL CORRECTIONS AND ADDENDA.
2. EMBANKMENT SLOPES AND ALL DISTURBED AREAS ARE TO RECEIVE 4" OF TOPSOIL AND SEEDED. SEE EROSION CONTROL PROGRAM.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENTATION AND EROSION CONTROLS.
4. IN ALL EXCAVATION AND REPLACEMENT OF FILL, THE CONTRACTOR SHALL PERFORM THE WORK IN FULL COMPLIANCE WITH THE R.I. STANDARD SPECIFICATION SECTION 202.
5. ALL EXCESS SOIL, STUMPS, TREES, ROCKS, BOULDERS AND OTHER REFUSE SHALL BE DISCARDED OFF SITE OUTSIDE OF ALL WETLANDS AND WETLANDS SETBACK AREAS UNLESS OTHERWISE SPECIFIED.
6. ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH THE REQUIREMENTS OF ALL STATE AND TOWN REGULATIONS AND PERMITS.

**SEDIMENTATION CONTROL PROGRAM**

1. EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY SEDIMENTS FROM ENTERING THE WETLANDS OR ADJOINING PROPERTIES.
2. BANKS OR SLOPES OVER 5 PERCENT SHALL BE SEEDED AS SOON AS POSSIBLE AND SHALL BE PROTECTED WITH A HAY, STRAW OR FIBER MULCH.
3. DURING CONSTRUCTION, THE CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL.
4. SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED CLOSELY AND MAINTAINED PROMPTLY AFTER EACH RAINFALL.
5. CARE SHALL BE TAKEN SO NOT TO PLACE "REMOVED SEDIMENTS" WITHIN THE PATH OF EXISTING, NEWLY CREATED (BOTH TEMPORARY AND PERMANENT) OR PROPOSED WATERCOURSES OR THOSE AREAS SUBJECTED TO STORM WATER FLOW.
6. ADDITIONAL HAYBALES, SILT FENCE OR SANDBAGS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER.
7. REFERENCE THE "R.I. EROSION AND SEDIMENT CONTROL HANDBOOK" PREPARED BY THE U.S. DEPT. OF AGRICULTURE, SOIL CONSERVATION SERVICE, 1989, AS A GUIDE.

**ORDER OF PROCEDURE**

1. PRIOR TO ANY CONSTRUCTION OR EXCAVATION, HAYBALES OR SILT FENCE SHALL BE INSTALLED AT THE PROPERTY LINE OR LIMIT OF DISTURBANCE. TEMPORARY HAYBALES OR SILT FENCE SHALL BE INSTALLED AT THE LIMIT OF WORK ACTIVITY IF CONSTRUCTION IS TO BE DONE IN PHASES.
2. ALL EROSION AND SEDIMENTATION CONTROL STRUCTURES SHALL BE PERIODICALLY MAINTAINED AS PER THE RESPECTIVE PROGRAMS FOR TEMPORARY CONTROL.
3. IF WORK PROGRESS IS TO BE INTERRUPTED FOR ANY TIME, REFERENCE EROSION AND SEDIMENTATION PROGRAMS FOR TEMPORARY CONTROL.
4. TEMPORARY HAYBALES AND SANDBAGS ALONG AND AT THE ENDS OF ROADWAYS MAY ALSO BE REMOVED AFTER FINAL SOIL STABILIZATION HAS BEEN ACHIEVED AND APPROVED.
5. HAYBALES LOCATED AT DRAINAGE INLETS OR OUTLETS MUST REMAIN UNTIL SUCH TIME THAT A DESIRABLE STAND OF GRASS OR GROUND COVER HAS BEEN ESTABLISHED AND THE PROJECT RECEIVES A FAVORABLE APPROVAL FOR FINAL ACCEPTANCE FROM THE ENGINEER.

**EROSION CONTROL & SOIL STABILIZATION PROGRAM**

1. DENUDE SLOPES SHALL NOT BE UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON.
2. ALL DISTURBED SLOPES, EITHER NEWLY CREATED OR EXPOSED PRIOR TO OCTOBER 15, SHALL BE SEEDED OR PROTECTED BY THAT DATE FOR ANY WORK COMPLETED DURING EACH CONSTRUCTION YEAR.
3. THE TOP SOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS AND SHALL CONFORM WITH R.I. STANDARD SPECIFICATION M. 20.
4. THE SEED MIX SHALL BE INOCULATED WITHIN 24 HOURS BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR EACH VARIETY.
5. THE DESIGN MIX SHALL BE COMPRISED OF THE FOLLOWING PERMANENT SEEDING MIXTURES:

A. MOWED AREA (ALL FLATS OR SLOPES LESS THAN 3:1)

MIXTURE	% BY WT.	SEEDING DATES
RED FESCUE	70	APRIL 1-JUNE 15
KENTUCKY BLUEGRASS	15	APRIL 1-JUNE 15
COLONIAL BENTGRASS	5	AUG. 15-OCT. 15
PERENNIAL RYEGRASS	10	
TOTAL	200 LBS/AC	

B. UNMOWED AREA OR INFREQUENTLY MOWED (FLAT OR SLOPES GREATER THAN 3:1)

MIXTURE	% BY WT.	SEEDING DATES
RED FESCUE	70	APRIL 1-JUNE 15
COLONIAL BENTGRASS	5	APRIL 1-JUNE 15
PERENNIAL RYEGRASS	10	AUG. 15-OCT. 15
BIRDSEED TREFOL	15	
TOTAL	100 LBS/AC	

C. CONSERVATION SEEDING AREAS

MIXTURE	% BY WT.	SEEDING DATES
TALL FESCUE	32	APRIL 1-JUNE 15
RED FESCUE	24	APRIL 1-JUNE 15
PERENNIAL RYEGRASS	18	AUG. 15-OCT. 15
WILDFLOWER MIX	15	
REED CANARY GRASS	7	
REDFOP	4	
TOTAL	200 LBS/AC	

6. TEMPORARY TREATMENTS SHALL CONSIST OF A HAY, STRAW, OR FIBER MULCH OR PROTECTIVE COVERS SUCH AS A MAT OR FIBER LINING (BURLAP, JUTE, FIBERGLASS NETTING, EXCELSIOR BLANKETS). THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED OR AS ORDERED BY THE ENGINEER.
  7. HAY OR STRAW APPLICATIONS SHOULD BE IN THE AMOUNT OF 3,000-4,000 LBS/AC.
  8. ALL HAYBALES OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED. IF NEEDED, TEMPORARY SEEDING CAN HELP TO MINIMIZE EROSION. A TEMPORARY SEEDING GUIDE MUST BE INCLUDED AS A REFERENCE. THE FOLLOWING SPECIES ARE RECOMMENDED:
- | SPECIES            | LBS./1,000 S.F. | LBS./Ac. | SEEDING DATES |
|--------------------|-----------------|----------|---------------|
| ANNUAL RYEGRASS    | 1.0 - 1.5       | 40 - 60  | 3/1 - 6/1     |
| PERENNIAL RYEGRASS | 1.0 - 1.5       | 40 - 60  | 3/1 - 6/1     |
| SUDAN GRASS        | 0.7 - 1.0       | 30 - 40  | 5/15 - 8/15   |
| MILLET             | 0.7 - 1.0       | 30 - 40  | 5/15 - 8/15   |
| WINTER RYE         | 3.0             | 120      | 4/15 - 6/15   |
9. THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR AND HE SHALL DO SO AT NO ADDITIONAL EXPENSE.
  10. THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1 - OCTOBER 15.
  11. ALL FILL SHALL BE THOROUGHLY COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WITH THE R.I.D.P.W. STD. SPECIFICATIONS IN SECTION 202.
  12. STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN 15 DAYS OF FINAL GRADING.
  13. STOCKPILES OF TOPSOILS SHALL NOT BE LOCATED NEAR WATERWAYS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 30% AND STOCKPILES SHALL ALSO BE SEEDED AND/OR STABILIZED.
  14. ON BOTH STEEP AND LONG SLOPES, CONSIDERATION SHOULD BE GIVEN TO "CRIMPING" OR "TRACKING" TO TACK DOWN MULCH APPLICATIONS.
  15. REFERENCE THE SEDIMENTATION CONTROL PROGRAM AND ORDER OF PROCEDURE FOR PROPER COORDINATION.

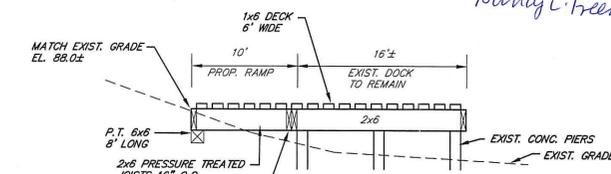
*Plantings Required: White Pine and/or Rosebay Rhododendrons or Northern White Cedar planted at least 3 feet tall after planting & 10 feet on center. See Conditions.*

ECHO LAKE SHORES ~ SECTION 1  
RECORD LOTS 55-62

N/F GEORGE M. MONK AND CAROLYN MONK

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF FRESHWATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED JUN 15 2009 FILE # 09-0083  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Nancy L. Freeman*



**DOCK DETAIL**  
SCALE: 1"=8'

- NOTES**
1. ALL FRAMING LUMBER SHALL BE PRESSURE TREATED.
  2. DECK BOARDS SHALL BE 5/4"x6" PRESSURE TREATED OR TRICK COMPOSITE WITH 1/2" SPACES
  3. ALL FASTENERS AND HARDWARE ALLOWED WITHIN THE RESERVOIR.
  4. NO EXCAVATION OR DISTURBANCE ALLOWED WITHIN THE RESERVOIR.

**ZONING DATA**

PASCOAG LAKE SHORES PLAT  
MIN. YARDS: FRONT: 30'  
SIDE: 10'  
REAR: 10'

SCOTT F. MOOREHEAD  
REGISTERED PROFESSIONAL ENGINEER  
No. 4298

DATE	REVISION

DWN: BY: LBC DWG. NO. SFM722D



S.F.M. ENGINEERING ASSOCIATES  
410 TIGGUE AVENUE  
COVENTRY, R.I. 02816  
(401)826-3736

**PROPOSED LOT DEVELOPMENT**  
PASCOAG LAKE SHORES PLAT  
LOTS 17 & 17A  
LAKE DRIVE  
GLOCESTER, RHODE ISLAND  
PREPARED FOR:  
JOSEPH & DONALD DIAS  
107 SUNDALE ROAD  
CRANSTON, RHODE ISLAND 02921

**O.W.T.S. SITE PLAN**  
DATE: MAR. 19, 2009 SCALE: AS NOTED SHEET 2 OF 2

