Bank and Buffer Zone Restoration Notes:

1. EROSION CONTROLS SHALL BE ESTABLISHED AT THE LIMIT OF DISTURBANCE.

2. THE AREA WITHIN 5 FEET OF THE SHORELINE SHALL BE STABILIZED WITH AN EROSION CONTROL FABRIC THIS AREA SHALL BE PLANTED WITH THE FOLLOWING:
   - 8 - SPECKLED ALTER (ALNUS RUGOSA)
   - 8 - SILKY DOGWOOD (CORNUS AMOMIUM)

   SHRUBS SHALL BE 2-3 FEET TALL AND SPACED 5 FEET ON-CENTER.

3. THE REMAINING BUFFER ZONE RESTORATION AREA SHALL BE SCARIFIED AND OVERSEEDED WITH A NORTHEAST WILDLIFE CONSERVATION MIX.

4. THE AREA WILL BE PLANTED WITH THE FOLLOWING TREES AND SHRUBS:
   - TREES – 3 - RED MAPLE (ACER RUBRUM)
     - 3 - WHITE PINE (PINUS STROBUS)
     - 3 - NO. WHITE CEDAR (THUJA OCCIDENTALIS)

   TREES SHALL BE 5-6 FEET TALL AND SPACED 15 FEET ON-CENTER.
   - SHRUBS – 15 - ARROWWOOD (VIBERNUM DENTATUM)
     - 10 - SPICEBUSH (LINDERA BENZOIN)
     - 10 - INKBERRY (ILEX GLABRA)

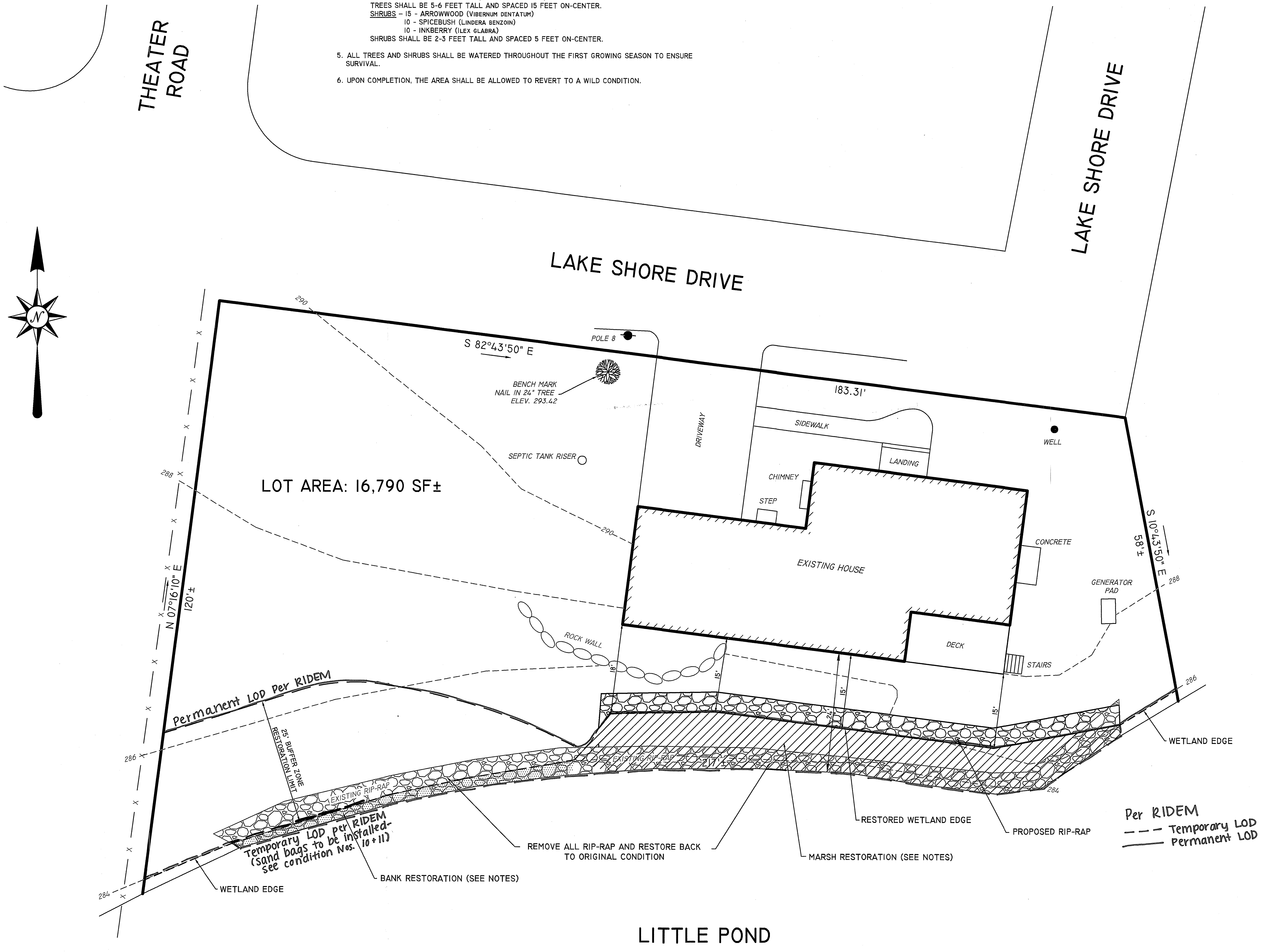
   SHRUBS SHALL BE 2-3 FEET TALL AND SPACED 5 FEET ON-CENTER.

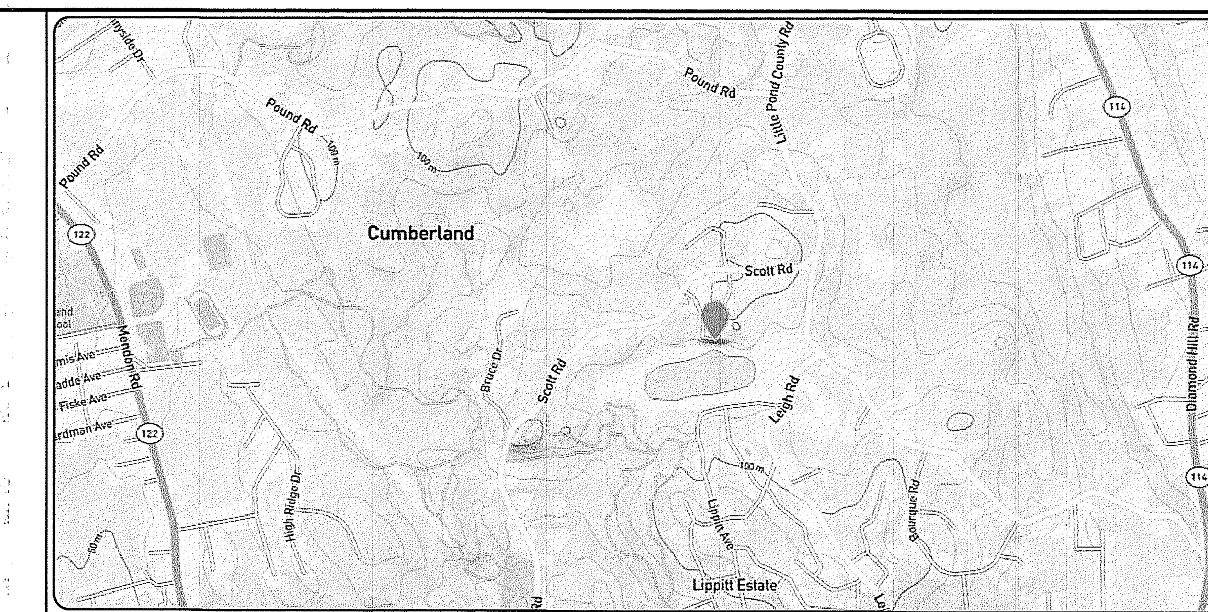
5. ALL TREES AND SHRUBS SHALL BE WATERED THROUGHOUT THE FIRST GROWING SEASON TO ENSURE SURVIVAL.

6. UPON COMPLETION, THE AREA SHALL BE ALLOWED TO REVERT TO A WILD CONDITION.

Marsh Restoration Notes:

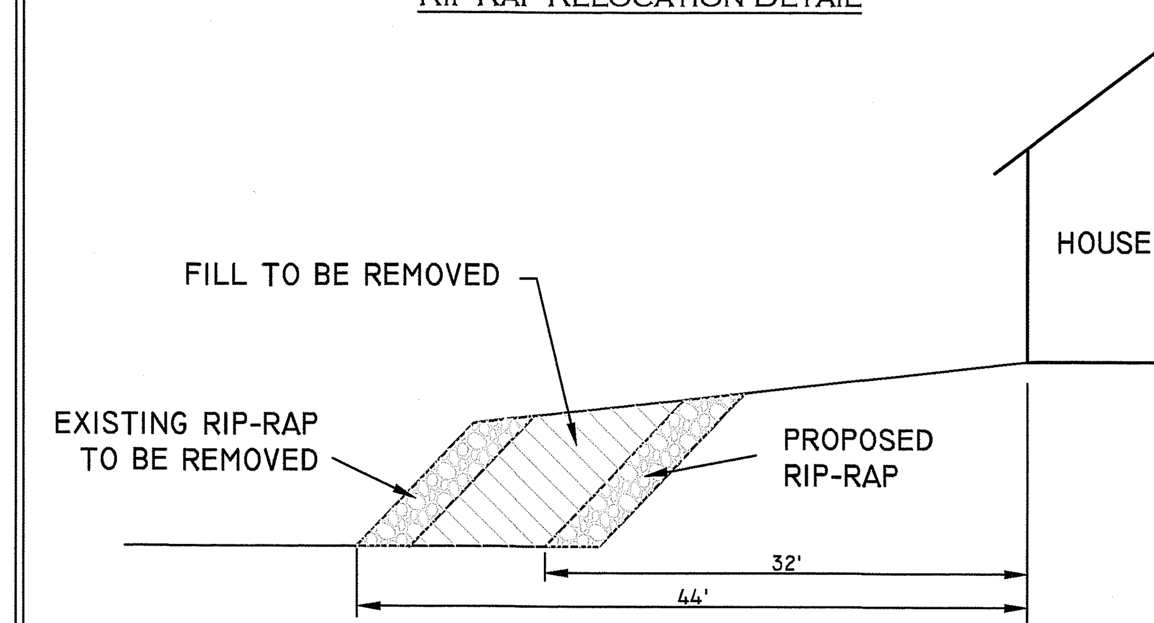
1. EROSION CONTROLS SHALL BE ESTABLISHED PRIOR TO START.
2. WORKING FROM EAST TO WEST, A RUBBER TRACK MINI-EXCAVATOR SHALL RELOCATED THE RIPRAP PER THE PLAN.
3. ALL FILL MATERIAL SHALL BE REMOVED TO EXPOSE ORIGINAL HYDRIC SOIL.
4. IF NEEDED, THE AREA SHALL BE COVERED WITH 6 INCHES OF A HIGH ORGANIC CONTENT SOIL.
5. THE AREA SHALL BE SEEDED WITH A NEW ENGLAND WET MIX.
6. THE PERIMETER OF THE MARSH RESTORATION AREA SHALL BE PLANTED WITH THE FOLLOWING:
   - 15 – BUTTONBUSH (CEPHALANTHUS OCCIDENTALIS)
   - 2-3 FEET TALL SPACED 5 FEET ON-CENTER.





LOCATION MAP (NOT TO SCALE)

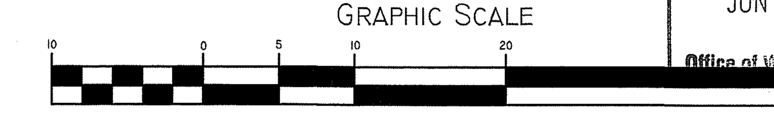
Rip-Rap Relocation Detail



Legend

- 600 - - - - - 600 EXISTING CONTOUR
- —— X —— FENCE
- ELEV. ELEVATION
- – – – – WETLAND EDGE
- — — — BUFFER ZONE RESTORATION LIMIT
- RIP-RAP
- MARSH RESTORATION - 982 SF
- BANK RESTORATION

GRAPHIC SCALE



(IN FEET)
1 INCH =10 FT.

RI Environmental Management
JUN 11 2024
Office of Water Resources

SITE PLAN

PAUL D. CARLSON
No. 7142
REGISTERED PROFESSIONAL ENGINEER CIVIL
PROFESSIONAL SEAL

ASSESSOR'S PLAT 66 LOTS 416-419
60 LAKE SHORE DRIVE
CUMBERLAND, RHODE ISLAND

OWNER: BRENDON & JENNAFER ROSE
60 LAKE SHORE DRIVE, CUMBERLAND, RI 02864

JOB #	SCALE:	DRAWN BY:	DATE:
23-019	1" = 10'	LMB	3-15-24

REVISED: 5-10-24, 6-10-24

INSITE Engineering Services, LLC
PROFESSIONAL ENGINEERS | LAND SURVEYORS
Precision. Clarity. Certainty.
InSite Professional Complex, Suite 1
1539 Fall River Avenue, Seekonk, MA 02771
Phone: (508) 336-4500 Fax: (508) 336-4558
501 Great Road, Unit 104
North Smithfield, RI 02896
Phone: (401) 762-2870 Fax: (401) 762-2871
Web Address: InsiteEngineers.com