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WINSHIP RESIDENCE
NEW LONDON, NH

GREGORY P. RUSNICA, PLA

NH LIC. NO. 100

REVISION SCHEDULE

No.	Date	Description

DATE: 10-19-2023

SCALE: 1" = 20'-0"

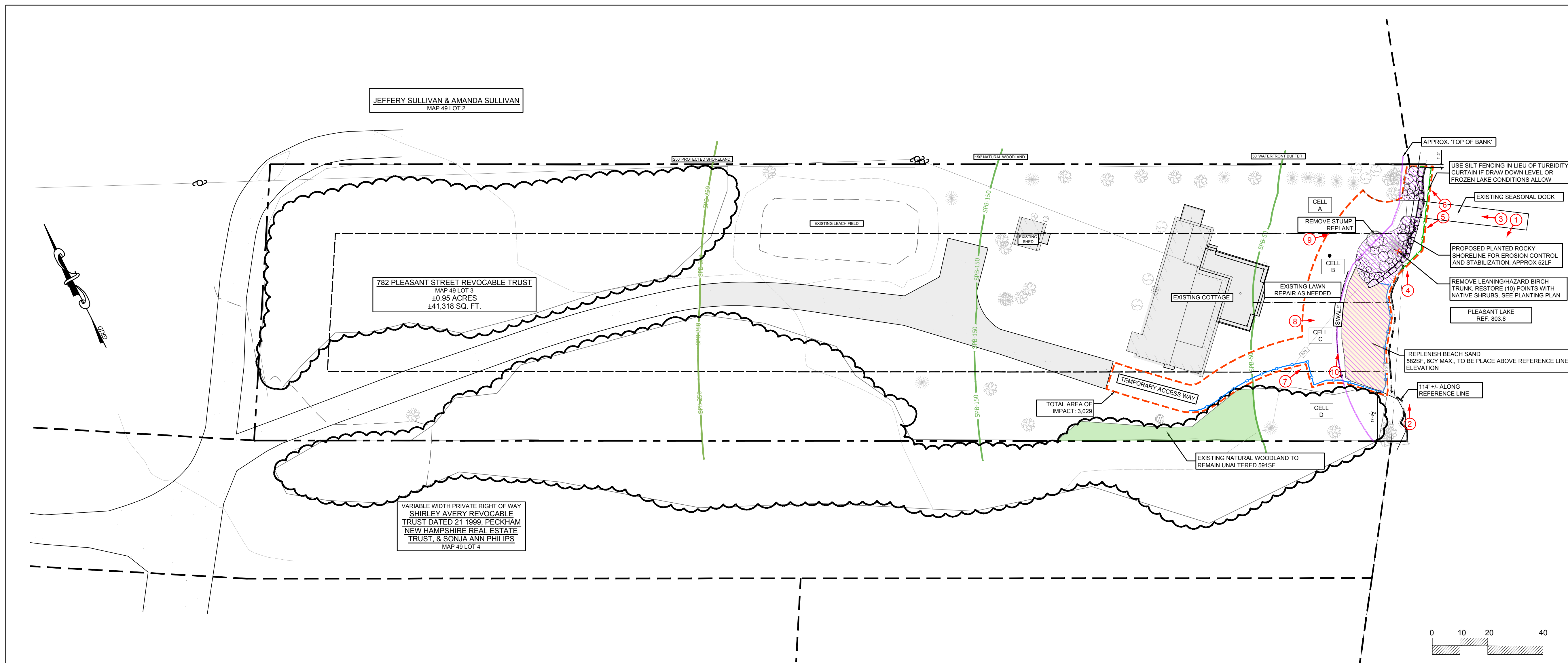
DRAWING SET REVISION:
NHDES PERMIT
APPLICATION

SHEET TITLE:

SITE PLAN

SHEET NUMBER:

SL1.0



LEGEND:

- PROPERTY LINE
- SETBACK
- REFERENCE LINE
- NHDES ZONES 05-9a-5
- LIMIT AREA OF DISTURBANCE
- TURBIDITY CURTAIN
- SILT FENCE (O.A.E.)
- TOP OF BANK
- EXISTING CONTOUR
- PROPOSED CONTOUR
- UNALTERED AREA
- EXISTING IMPERVIOUS AREA
- EXISTING SAND AREA
- PERMANENT IMPACT AREA
- EXISTING TREES
- PROPOSED PLANTING
- ROCKS / BOULDERS

PROPOSED TREE SEGMENT SCORES

SEGMENT	STATE	NEW LONDON	NOTES
A	100	59	ADD SHRUBS, INCREASE SCORE
B	35	16	REMOVE (1) BIRCH MAINTAIN SCORE BY ADDING NATIVE SHRUBS
C	0	0	NO CHANGE
D	40	18	NO CHANGE

COVERAGE AREAS:

NET AREA WITHIN 250' BUFFER: 25,450 SF
 PROPOSED IMPERVIOUS WITHIN 250' BUFFER: 3,679 SF (14.5%)
 PRIMARY STRUCTURE: 3325 SF
 GRAVEL DRIVEWAY: 1,894 SF
 SHED: 111 SF
 DOCK OVER LAND: 10 SF

WATER FRONTAGE: 114 LF
 TOTAL AREA 50' -150' FROM LAKE: 10,154 SF
 25% OF 50'-150': 2,539 SF
 UNALTERED AREA 50'-150' FROM LAKE: 591 SF (TO REMAIN UNCHANGED)
 TOTAL AREA OF IMPACT: 3,029SF
 TEMPORARY IMPACT: 1,995SF
 PERMANENT IMPACT: 1,034SF

PLAN NOTES:

- This plan is based on the "Boundary and Existing Conditions Plan" prepared for Christopher Winship, of the property located at 782 Pleasant Street, New London, NH" by Horizons Engineering, dated 09/25/2023
- Notify BA&A of any discrepancies.

CONSTRUCTION SEQUENCE:

- NO WORK TO COMMENCE UNLESS WATER IS AT DRAW-DOWN LEVELS
- INSTALL SILT FENCE AND TURBIDITY CURTAIN. MAINTAIN DAILY THROUGHOUT DURATION OF THE PROJECT.
- REMOVE BIRCH TREE.
- REMOVE INVASIVE PLANTS ALONG SHORELINE AS NEEDED, DESTROY PLANTS TO PREVENT SPREAD OF INVASIVE MATERIAL
- PERFORM SHORELINE ROCK WORK. NO EARTHWORK TO OCCUR BETWEEN MAY 1-JUNE 30, PER NH FISH AND GAME CONDITIONS
- INSTALL BEACH SAND
- INSTALL PLANTINGS (SPRING)
- REMOVE EROSION CONTROLS ONCE SITE IS STABLE
- MONITOR PLANTINGS AND REPLACE AS NEEDED TO ASSURE SUCCESS OF STABILIZATION. VEGETATION MUST HAVE A SUCCESS RATE OF 75% OR BETTER AFTER 2 GROWING SEASONS PER ENV-WT 514.05(C)
- MONITOR FOR INVASIVE PLANTS AND REMOVE AS NECESSARY

PROJECT NARRATIVE

THE GOAL OF THIS PROJECT IS TO STABILIZE AN ERODING SHOREFRONT. THIS EROSION IS THE RESULT OF WAVE AND WAKE ACTION FROM RECREATIONAL BOATING ON PLEASANT LAKE. THE EROSION WAS EXACERBATED THIS PAST SUMMER (2023) DUE TO UNUSUALLY HIGH AMOUNTS OF RAIN FALL AND SUBSEQUENT HIGH LAKE WATER LEVELS. THE EROSION HAS EXPOSED THE ROOTS OF AN EXISTING BIRCH CLUMP WHICH IS IN DANGER OF EVENTUAL COLLAPSE INTO THE LAKE. IT IS IN OUR OPINION THAT VEGETATIVE CONTROLS ALONE WILL NOT STABILIZE THE BANK SINCE THE BANK HAS BEEN NATURALLY DE-VEGETATED BY WAVE ACTION. WE ARE PROPOSING TO CONSTRUCT A ROCKY SHORELINE WITH NATIVE VEGETATION. WE ASSERT THAT A COURSE OF ROCKS OF VARYING SIZE AT THE REFERENCE LINE WILL DISSIPATE WAVE AND WAKE ENERGY WHILE HELPING TO HOLD SOIL AND PLANTS IN PLACE. THE PROJECT ALSO AIMS TO REPLENISH THE NATURALLY OCCURRING BEACH WITH SAND ABOVE THE REFERENCE LINE ELEVATION.