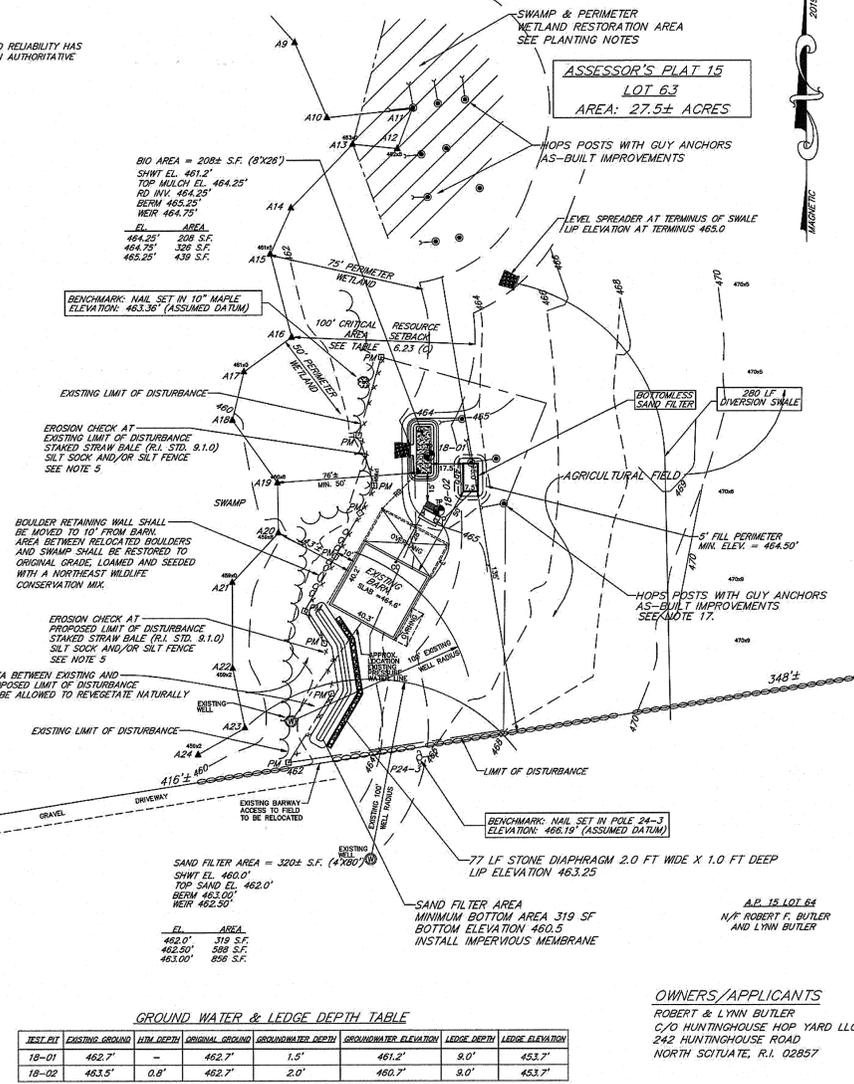


**COMPILATION PLAN**  
 SCALE: 1" = 200'  
 THIS COMPILATION PLAN IS A CLASS III BOUNDARY PREPARED FROM SOURCES OF INFORMATION AND DATA WHOSE POSITIONAL ACCURACY AND RELIABILITY HAS NOT BEEN VERIFIED. THE PROPERTY LINES HEREON DO NOT REPRESENT A BOUNDARY GRWON, AND ARE SUBJECT TO SUCH CHANGES AS AN AUTHORITY BOUNDARY SURVEY WOULD DISCLOSE.

- GENERAL NOTES**
1. TOPOGRAPHY AND ELEVATIONS SHOWN ARE FROM AN ON-SITE SURVEY PERFORMED IN APRIL 2019. THE VERTICAL AND HORIZONTAL DATUMS ARE ASSUMED.
  2. THE SITE LIES WITHIN FLOOD HAZARD ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN). REFERENCE F.I.R.M. MAP NUMBER 4400702600 DATED MARCH 2, 2009.
  3. REFER TO SOIL EVALUATION APPLICATION #1813-1704 DATED DECEMBER 13, 2018.
  4. EXCEPT WHERE INDICATED SITE IS ENTIRELY WOODED.
  5. STRAW BALE EROSION CHECK (R.I. STANDARD 9.1.0), SILT FENCE AND/OR SILT SOCK SHALL BE INSTALLED PRIOR TO EARTH DISTURBING ACTIVITIES AND SHALL BE MAINTAINED UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING TEMPORARY SEDIMENTATION AND EROSION CONTROLS.
  6. ALL IMPROVEMENTS SHALL BE ACCURATELY LOCATED AND STAKED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
  7. ALL DISTURBED AREAS SHALL BE STABILIZED WITH 4" LOAM AND SEED OR SOO, PROPOSED SLOPES SHALL BE 3:1 (TYPICAL).
  8. EXISTING UTILITY LOCATIONS ARE APPROXIMATE ONLY. DIG SAFE AND APPROPRIATE UTILITY AUTHORITIES SHALL BE NOTIFIED PRIOR TO ANY CONSTRUCTION FOR ACCURATE UTILITY LOCATIONS.
  9. ALL WORK SHALL BE PERFORMED IN STRICT CONFORMANCE WITH THE REQUIREMENTS OF THE R.I.D.E.M. WETLANDS PERMIT, O.W.T.S. PERMIT, AND IN COMPLIANCE WITH ALL TOWN REGULATIONS.
  10. ALL STAGES OF O.W.T.S. CONSTRUCTION MUST BE SUPERVISED BY THE SYSTEM DESIGNER.
  11. THERE ARE NO EXISTING OR PROPOSED PUBLIC WATER SUPPLY SYSTEMS WITHIN 500' OF PROPOSED LOT OTHER THAN THOSE SHOWN ON PLAN.
  12. THERE ARE NO EXISTING OR PROPOSED SEWAGE DISPOSAL SYSTEMS WITHIN 25' OF THE PROPOSED WATER SUPPLY LINE OTHER THAN THOSE SHOWN ON THE PLAN.
  13. THERE ARE NO EXISTING OR PROPOSED INDIVIDUAL WATER SUPPLIES WITHIN 200' OF THE PROPOSED ON-SITE WASTEWATER TREATMENT SYSTEM OTHER THAN THOSE SHOWN ON THE PLAN.
  14. THE SITE IS WITHIN THE SCITUATE RESERVOIR WATERSHED CRITICAL RESOURCE AREA. THE WETLANDS DELINEATION WAS CONDUCTED BY NATURAL RESOURCE SERVICES, INC. IN MARCH 2019 AND LOCATED IN THE FIELD BY SCITUATE SURVEYS, INC.
  15. PRIOR TO COMMENCEMENT OF ANY SITE ALTERATIONS, PERMANENT BUFFER ZONE MARKERS MUST BE INSTALLED ALONG THE LIMIT OF DISTURBANCE AT THE LOCATIONS INDICATED AS "PM" ON THE APPROVED SITE PLANS, IN ORDER TO PROVIDE PERMANENT REFERENCE POINTS ON THE SITE THAT ARE CLEAR TO PRESENT AND FUTURE PROPERTY OWNERS. A PERMANENT-TYPE TAG OR SIGN LABELED "RIDEIM BUFFER ZONE" MUST BE PLACED ON EACH MARKER. NO ALTERATIONS OF ANY KIND ARE PERMITTED BEYOND THESE MARKERS WITHOUT FIRST OBTAINING THE NECESSARY PERMIT FROM RIDEM.
  16. HOP POST AND GUY ANCHOR IN BOTTOMLESS SAND FILTER LOCATION SHALL BE REMOVED. NO HOP POSTS OR GUY ANCHORS ARE TO BE WITHIN 12' OF BOTTOMLESS SAND FILTER.

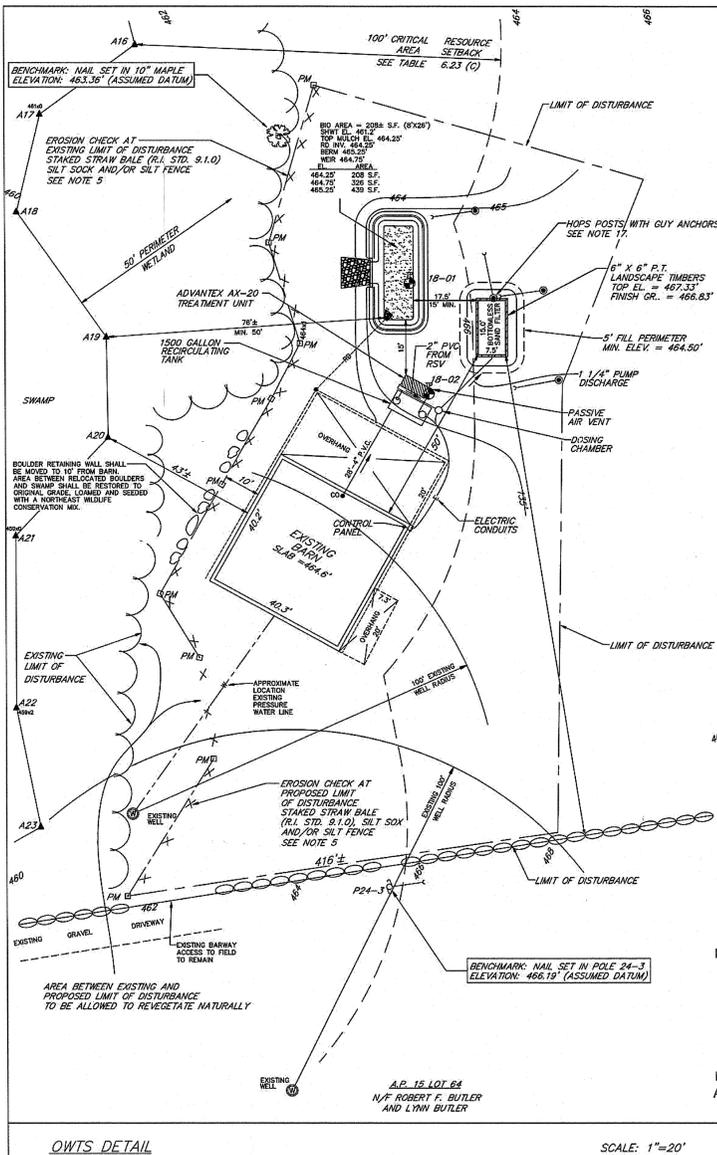
- DESIGN AND CONSTRUCTION NOTES:**
1. ALL WORK SHALL CONFORM TO THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT RULES AND REGULATIONS, AS AMENDED.
  2. THE TOP OF FOUNDATION ELEVATION SHOWN HAS BEEN DESIGNED FOR O.W.T.S. PURPOSES ONLY. THE OWNER AND/OR CONTRACTOR IS ADVISED TO DETERMINE WHETHER THE BASEMENT FLOOR OF THE PROPOSED DWELLING IS AT OR BELOW THE GROUND WATER TABLE AND, IF SO, BRIDGE THE FOUNDATION ACCORDINGLY.
  3. THE CONTRACTOR SHALL NOTIFY THE DESIGNER OF ANY ACCESSED DEVIATIONS FROM THIS SITE PLAN. THE DESIGNER MUST PERFORM ALL NECESSARY INSPECTIONS, BOTH DURING AND AFTER INSTALLATION, BEFORE ANY COMPONENT OF THE SYSTEM IS COVERED.
  4. THE PROPERTY BOUNDARIES SHOWN HEREON HAVE BEEN COMPILED FROM MAPS, DEEDS, AND OTHER SOURCES OF INFORMATION, AND ARE SUBJECT TO SUCH MODIFICATIONS AS AN ACTUAL BOUNDARY SURVEY MAY DISCLOSE. TO THE EXTENT THAT SUCH BOUNDARIES ARE CRITICAL TO THE O.W.T.S. LOCATION, THEY MUST BE ESTABLISHED PRIOR TO CONSTRUCTION.
  5. A MINIMUM BUFFER OF 10' SHOULD BE MAINTAINED BETWEEN THE BOTTOMLESS SAND FILTER AND NEIGHBORING TREES AND SHRUBS. IF THE BUFFER CANNOT BE MAINTAINED THEN A ROOT BARRIER FABRIC SHALL BE PLACED BETWEEN THE TREES/SHRUBS AND THE SAND FILTER.
  6. THE EXCAVATION SHALL BE LEVEL AND SCARIFIED.
  7. ALL TOPSOIL AND SUBSOIL WITHIN A 5' PERIMETER OF THE SYSTEM SHALL BE STRIPPED AND BACKFILLED WITH FILTER SAND.
  8. EXCAVATION INTO IMPERVIOUS MATERIAL IS PROHIBITED, UNLESS OTHERWISE APPROVED BY THE DIRECTOR.
  9. MAINTAIN TRENCH INVERT ELEVATION FOR 5' BEYOND THE PERIMETER OF THE LEACHING FIELD. THE ADJACENT SIDE SLOPE SHALL NOT BE STEEPER THAN 3:1 FOR A 25' MIN. DISTANCE FROM THE EDGE OF LEACH FIELD. MAINTAIN 5' TO PROPERTY LINE FROM TOE OF 3:1 SIDE SLOPE.
  10. INSTALL CAST IRON PIPE OR EQUIVALENT FROM THE FOUNDATION TO THE SEPTIC TANK. ALL OTHER PIPES MUST BE SDR 35 P.V.C. OR EQUIVALENT. ALL PIPING SHALL BE INSTALLED AT CONTINUOUS SLOPE WITH NO SAGS OR HIGH POINTS. ALL MANHOLES TO GRADE SHALL HAVE GASKETED WATERTIGHT COVERS AND THE SURFACE SHALL BE GRADED TO DRAIN AWAY FROM THE MANHOLES.
  11. SURFACE DRAINS AND WATER SUPPLY LINE TO BE INSTALLED IN CONFORMANCE WITH DISTANCES SPECIFIED IN TABLE 6.2.3 B.
  12. ALL KNOWN EXISTING AND PROPOSED PUBLIC WATER SUPPLY WELLS WITHIN 500' OF THE SYSTEM ARE SHOWN; ALL KNOWN EXISTING AND PROPOSED PRIVATE WELLS WITHIN 200' OF THE SYSTEM ARE SHOWN; ALL KNOWN EXISTING AND PROPOSED SEPTIC SYSTEMS WITHIN 100' OF THE WELL ARE SHOWN.
  13. ALL WORK MUST CONFORM TO THE REQUIREMENTS OF OTHER EXISTING PERMITS, IF ANY.
  14. WITH RESPECT TO MUNICIPAL ZONING REQUIREMENTS, THE DESIGNER HAS MADE A REASONABLE EFFORT TO ASCERTAIN THE APPLICABLE DIMENSIONAL SETBACKS AND OTHER CONSTRAINTS TO DEVELOPMENT. DUE, HOWEVER, TO THE POSSIBILITY OF UNRECORDED VARIANCES, NON-CONFORMING USES, AND OTHER RELEVANT DOCUMENTS, IT REMAINS THE RESPONSIBILITY OF THE OWNER TO VERIFY THAT THIS DESIGN SATISFIES LOCAL CODES.
  15. ALL STAGES OF CONSTRUCTION MUST BE SUPERVISED BY THE DESIGNER OF RECORD, UNLESS WAIVED BY THE DESIGNER, ALL IMPROVEMENTS MUST BE STAKED BY THE DESIGNER OR HIS AGENTS PRIOR TO CONSTRUCTION. THESE INCLUDE THE O.W.T.S., FOUNDATION, WELL, EROSION CONTROLS, CLEARING LIMITS AND ANY OTHER FEATURES DEEMED CRITICAL TO THE DESIGN.

- NOTES FOR SWAMP AND PERIMETER WETLAND PLANTINGS**
1. THE AREA BENEATH THE HOP POLES AND GUY WIRES SHALL BE MOVED ONE TIME PRIOR TO PLANTING.
  2. THE FOLLOWING TREES AND SHRUBS SHALL BE INSTALLED THROUGHOUT THE IDENTIFIED RESTORATION AREA:
- TREES**  
 15 GRAY BIRCH (*Betula populifolia*)  
 15 SPECKLED ALDER (*Alnus rugosa*)  
 TREES SHALL BE 5"-6" TALL AND SPACED 12' ON CENTER.
- SHRUBS**  
 30 HIGHBUSH BLUEBERRY (*Vaccinium corymbosum*)  
 30 HIGHBUSH CRANBERRY (*Viburnum trilobum*)  
 SHRUBS SHALL BE 2"-3" TALL AND SPACED 6' ON CENTER.
3. ALL PLANTS SHALL BE WATERED AS NEEDED THROUGHOUT THE FIRST GROWING SEASON TO ENSURE SURVIVAL.
  4. UPON COMPLETION OF THE PLANTINGS, NO FURTHER MOWING WITHIN THE RESTORATION AREA IS ALLOWED. THE AREA SHALL BE ALLOWED TO REVERT TO A WILD CONDITION.
  5. THE TOPS OF THE SARPING TREES MAY BE TRIMMED PERIODICALLY TO ENSURE THE INTEGRITY OF THE HOP POLE SUPPORT SYSTEM.



**GROUND WATER & LEDGE DEPTH TABLE**

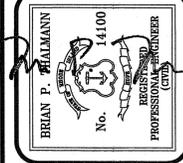
TEST PIT	EXISTING GROUND	LIM. DEPTH	ORIGINAL GROUND	GROUNDWATER DEPTH	GROUNDWATER ELEVATION	LEDGE DEPTH	LEDGE ELEVATION
18-01	462.7'	-	462.7'	1.5'	461.2'	3.0'	453.2'
18-02	463.5'	0.8'	462.7'	2.0'	460.7'	3.0'	453.7'



**OWTS DETAIL** SCALE: 1"=20'

**OWNERS/APPLICANTS**  
 ROBERT & LYNN BUTLER  
 C/O HUNTINGHOUSE HOP YARD LLC  
 242 HUNTINGHOUSE ROAD  
 NORTH SCITUATE, R.I. 02857

NO.	DATE	REVISION	BY



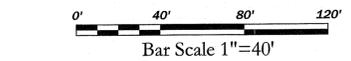
**Thalmann Consulting, LLC.**  
 Site/Civil Engineers  
 14 Richmond Avenue  
 Barrington, Rhode Island  
 (401) 533-6227

**REMEDIATION DRAINAGE PLAN** Lot 87-1  
**EXISTING FARMING HARVEST AREA**  
 Gloucester  
 Prepared for:  
**Huntinghouse Hopyard, LLC**  
 242 Huntinghouse Road - Gloucester, RI  
 Issued for Agency Review | date: 02/09/2024 | scale: As Noted

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS AS  
 SPECIFIED IN THE LETTER OF APPROVAL  
 DATED: 3/25/2025 FILE #: 24-0086  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE  
*Nancy L. Freeman*

Drawn By: BPT  
 Checked By: BPT  
 Sheet  
**1**  
 of 1  
 FILE NO.: 0030-001

RI Environmental Management  
 APR - 9 2024  
 Office of Water Resources



**COPYRIGHT**  
 THESE DRAWINGS ARE THE PROPERTY OF THE ENGINEER AND HAVE BEEN PREPARED FOR THE USE OF THIS PROJECT AT THIS SITE AND ARE NOT TO BE USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN CONSENT OF THE ENGINEER. THE USER OF THESE DRAWINGS SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND REGULATIONS FROM THE APPROPRIATE AGENCIES.