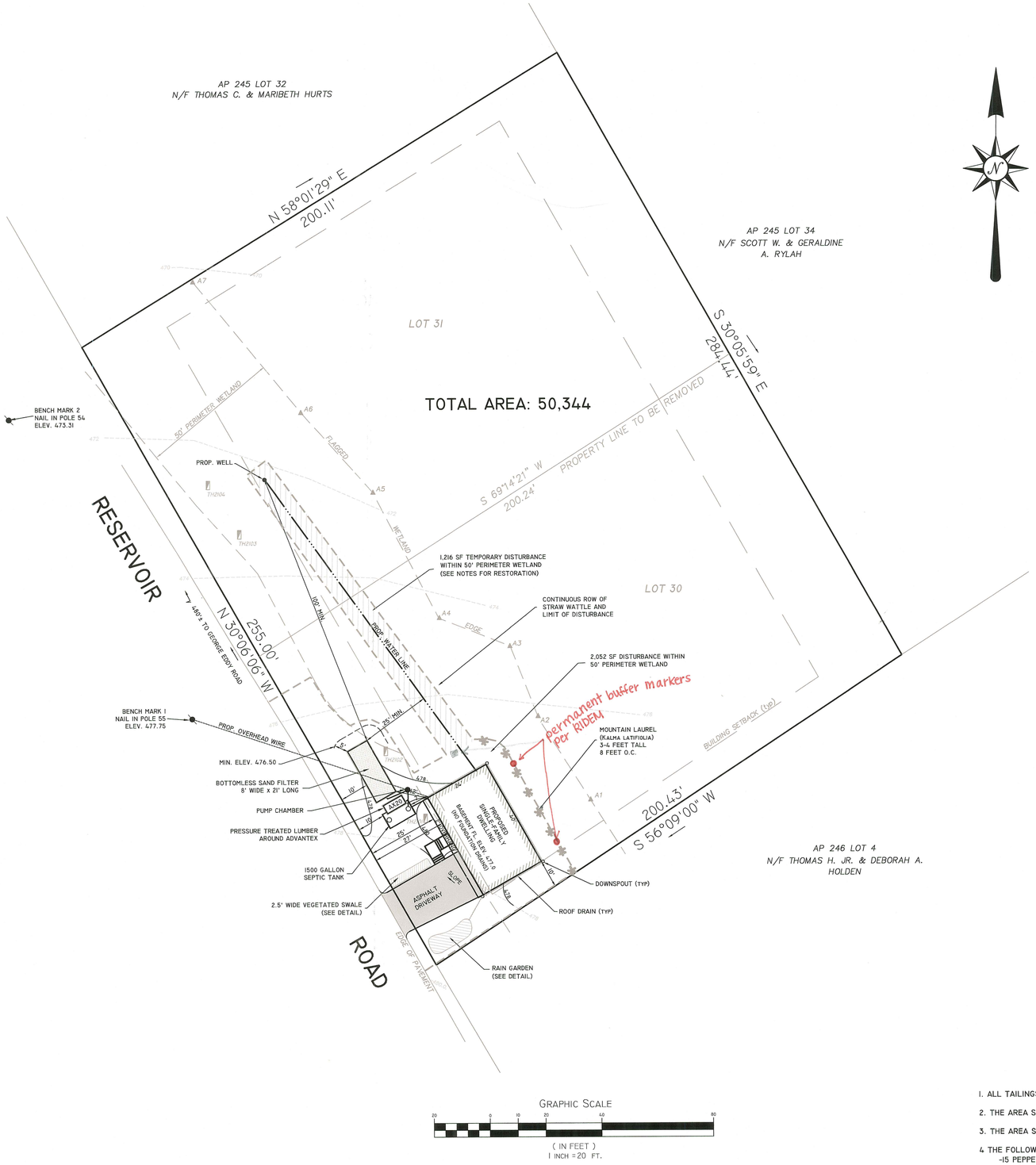
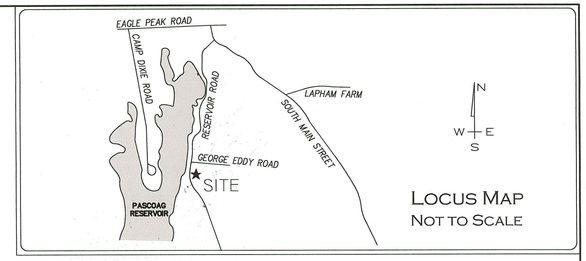


LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- TEST HOLE

ZONING: R20

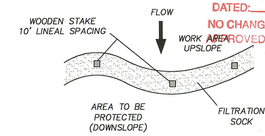
MINIMUM SETBACKS: FRONT - 30'
SIDE - 10'
REAR - 30'



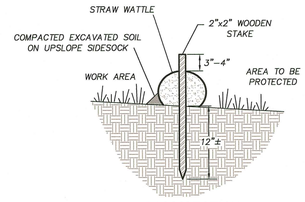
LOCUS MAP
NOT TO SCALE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: AUG 0 2 2023 FILE #: 22-0338
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Martin D. Wenck

STRAW WATTLE DETAIL
NOT TO SCALE

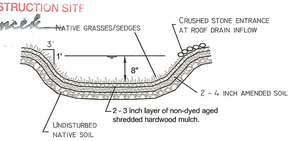


PLAN VIEW



CROSS-SECTION

2' WIDE VEGETATED SWALE
NOT TO SCALE

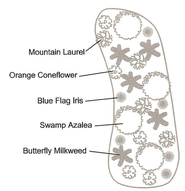


NOTE: VEGETATED SWALE SHALL BE INSPECTED ANNUALLY AND SHOULD BE INSPECTED AFTER LARGE STORM EVENTS.

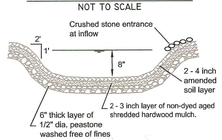
VEGETATIVE SWALE MAINTENANCE

1. THE VEGETATED SWALE SHALL BE INSPECTED ANNUALLY AND AFTER LARGE STORM EVENTS.
2. ERODED SIDE SLOPES AND CHANNEL BOTTOM SHALL BE STABILIZED AS NECESSARY.
3. IF THE SURFACE OF THE DRY SWALE BECOMES CLOGGED TO THE POINT THAT STANDING WATER IS OBSERVED ON THE SURFACE 48 HOURS AFTER PRECIPITATION EVENTS, THE BOTTOM SHALL BE ROTO-TILLED OR CULTIVATED TO BREAK UP ANY HARD-PACKED SEDIMENT, AND THEN RESEEDED.
4. VEGETATION IN DRY SWALES SHALL BE MOWED AS REQUIRED TO MAINTAIN MINIMUM GRASS HEIGHTS IN THE 4-6 INCH RANGE.
5. EVERY FIVE YEARS, THE CHANNEL BOTTOM OF DRY SWALES SHOULD BE SCRAPED TO REMOVE SEDIMENT AND TO RESTORE ORIGINAL CROSS SECTION AND INFILTRATION RATE, AND SHOULD BE SEEDED TO RESTORE GROUND COVER, WHERE NECESSARY..

RAIN GARDEN PLANTING DETAIL
NOT TO SCALE
ROOF AREA: 1,040 SF
RAIN GARDEN - 96 SF - 24 PLANTS



RAIN GARDEN CROSS-SECTIONL
NOT TO SCALE



RAIN GARDEN

TREATMENT

RAIN GARDEN TO BE 8" DEEP WITH A 2 - 4 INCH AMENDED SOIL LAYER (50/50 MIXTURE OF THE EXCAVATED NATIVE SOILS AND MATURE ORGANIC COMPOST) AND A 2 - 3 INCH LAYER OF NON-DYED AGED SHREDDED HARDWOOD MULCH.

CONSTRUCTION

1. A CRUSHED STONE ENTRANCE SHOULD BE INSTALLED AT THE INFLOW TO PREVENT CHANNELING.
2. A BERM TO DETAIN STORMWATER SHOULD BE CONSTRUCTED ALONG THE DOWNHILL SIDE OF THE RAIN GARDEN, PERPENDICULAR TO THE SLOPE OF THE LAWN
3. BE SURE THAT THE SOIL WITHIN THE RAIN GARDEN AREA DOES NOT BECOME COMPACTED BY CONSTRUCTION ACTIVITIES (I.E. HEAVY MACHINERY). IF SOIL BECOMES SEVERELY COMPACTED IT MAY NEED TO BE TILLED AND AMENDED TO MAINTAIN PROPER

MAINTENANCE

1. THE RAIN GARDEN SHALL BE INSPECTED FOLLOWING AT LEAST THE FIRST TWO PRECIPITATION EVENTS OF AT LEAST 1.0 INCH TO ENSURE THAT THE SYSTEM IS FUNCTIONING PROPERLY. THEREAFTER, THE RAIN GARDEN SHALL BE MONITORED AND MAINTAINED TO ASSURE PROPER FUNCTIONING. PLANT GROWTH AND SURVIVAL. PLANTS SHALL BE REPLACED ON AN AS-NEEDED BASIS DURING THE GROWING SEASON.
2. SILT/SEDIMENT SHALL BE REMOVED FROM THE RAIN GARDEN WHEN THE ACCUMULATION EXCEEDS ONE INCH, OR WHEN WATER PONDS ON THE SURFACE OF THE RAIN GARDEN FOR MORE THAN 48 HOURS). THE TOP FEW INCHES OF MATERIAL SHALL BE REMOVED AND SHALL BE REPLACED WITH FRESH SOIL MIXTURE AND MULCH.
3. PRUNING OR REPLACEMENT OF WOODY VEGETATION SHALL OCCUR WHEN DEAD OR DYING VEGETATION IS OBSERVED.
4. SOIL EROSION GULLIES SHALL BE REPAIRED WHEN THEY OCCUR.
5. FERTILIZER OR PESTICIDES SHALL NOT BE APPLIED TO PLANTS WITHIN RAIN GARDENS.
6. PERENNIAL PLANTS AND GROUND COVERS SHALL BE REPLACED AS NECESSARY TO MAINTAIN AN ADEQUATE VEGETATED GROUND COVER. ANNUAL PLANTS MAY ALSO BE USED TO MAINTAIN GROUND COVER.

RESTORATION NOTES FOR TEMPORARY PERIMETER WETLAND ALTERATIONS

1. ALL TAILINGS FROM WELL DRILLING SHALL BE REMOVED UPON INSTALLATION OF THE WELL.
2. THE AREA SHALL BE RAKED TO REMOVE SLASH AND ANY OTHER DEBRIS.
3. THE AREA SHALL BE SEEDED WITH A CONSERVATION GRASS MIX AND MULCHED WITH LOOSE STRAW.
4. THE FOLLOWING SHALL BE PLANTED THROUGHOUT THE RESTORATION AREA:
   - 15 PEPPERBUSH(CLETHRA ALNIFOLIA)
   - 15 WITCH HAZEL (HAMAMELIS VIRGINIANA)

   SHRUBS SHALL BE 2'-3' TALL, SPACING SHALL BE 6' ON CENTER.
5. THE RESTORATION AREA SHALL BE ALLOWED TO REVERT TO A WILD CONDITION.

WETLANDS PLAN

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

A.P. 245 LOT 30 & 31
RESERVOIR ROAD, BURRILLVILLE, RHODE ISLAND

PREPARED FOR: MARK BRIZARD
571 VICTORY HIGHWAY, MAPLEVILLE, RI 02839

JOB #	SCALE:	DRAWN BY:	DATE:
22-040	1" = 20'	LMB	JUNE, 2022

REVISED: 11-15-22

InSite Engineering Services, LLC
PROFESSIONAL ENGINEERS | LAND SURVEYORS
Precision. Clarity. Certainty.
501 Great Road, Unit 104
North Smithfield, Rhode Island
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SHEET 1 OF 1

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