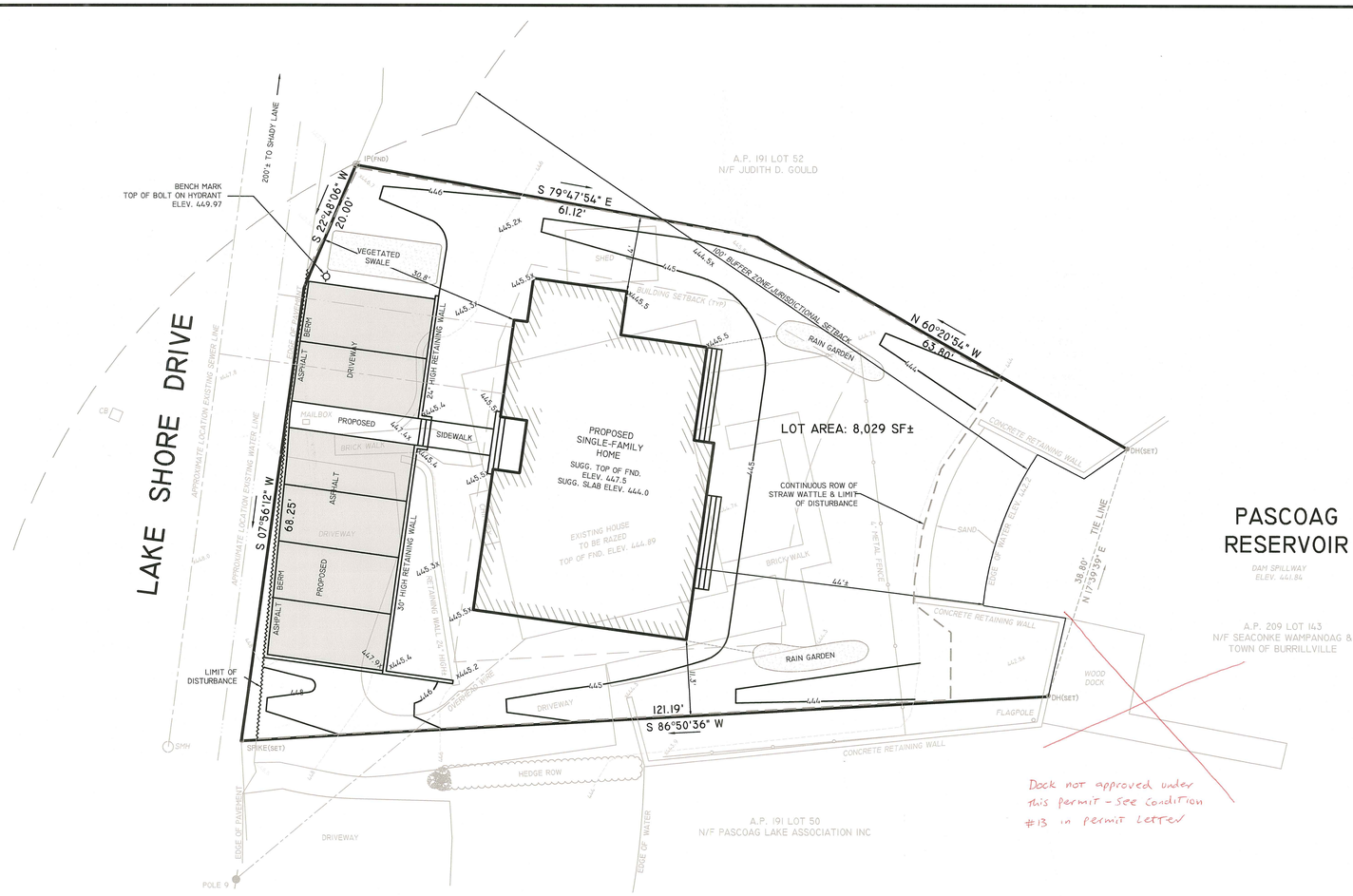
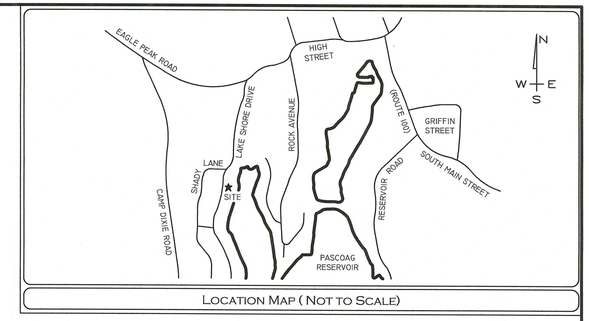




LOCATION MAP (NOT TO SCALE)

NOTES:

1. UTILITY LOCATION IS APPROXIMATE AND TO BE VERIFIED BY CONTRACTOR PRIOR TO INSTALLATION.
2. STRAW WATTLE TO BE INSTALLED PRIOR TO START OF ANY CONSTRUCTION AND TO REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE AND AREA HAS STABILIZED. STRAW WATTLE TO BE INSPECTED PERIODICALLY OR AFTER SIGNIFICANT RAINFALL, AND REPAIRED OR REPLACED AS NECESSARY.
3. AREA OF DISTURBANCE WITHIN 100 FOOT BUFFER ZONE: 7,258 SF.

ZONING DISTRICT: R-20

MINIMUM SETBACKS: FRONT - 30'
SIDE - 10'
REAR - 30'
MAXIMUM BUILDING HEIGHT: 35'
MAXIMUM BUILDING COVERAGE: 25%

LEGEND

- 372----372 EXISTING CONTOUR
- 372 PROPOSED CONTOUR
- A16 WETLAND FLAG
- FLAGGED WETLAND EDGE
- SMH SEWER MANHOLE
- CB CATCH BASIN
- TREE

GRAPHIC SCALE

10 0 5 10 20 40

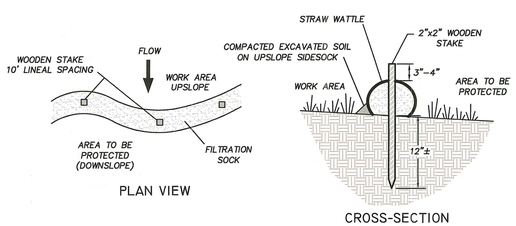
(IN FEET)
1 INCH = 10 FT.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 19 2023 FILE #: 22-0509
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Martin D. Wencek

RI Environmental Management
DEC 14 2022
Office of Water Resources

STRAW WATTLE DETAIL

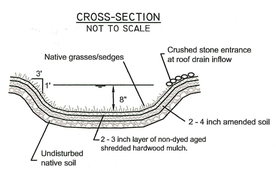
NOT TO SCALE



VEGETATED SWALE

DRIVEWAY: 1,075 SF IMPERVIOUS
SWALE: 6' WIDE x 16' LONG = 96 SF

CROSS-SECTION
NOT TO SCALE



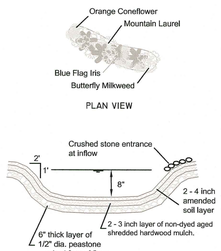
VEGETATIVE SWALE MAINTENANCE

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 DETAIL

NOT TO SCALE

ROOF AREA: 713.5 SF
(1,427 SF TOTAL)
EACH RAIN GARDEN AREA: 60 SF
15 PLANTS



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 DRAINAGE.

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.

SITE PLAN

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

ASSESSOR'S PLAT 191 LOT 51
136 LAKE SHORE DRIVE, BURRILLVILLE, RI

PREPARED FOR: NICHOLAS BARONE
1035 JACKSON SCHOOLHOUSE ROAD
PASCOAG, RI 02859

JOB #	SCALE:	DRAWN BY:	DATE:
22-049	1" = 10"	LMB	DECEMBER, 2022

REVISED:

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501 Great Road, Unit 104
North Smithfield, RI 02896
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InSite Engineering Services, LLC
PROFESSIONAL ENGINEERS | LAND SURVEYORS
Precision. Clarity. Certainty.

SHEET 1 OF 1