

GENERAL NOTES:

1. PLAT 47 LOT 8 EXISTING AREA: 1,273,728 SF OR 29.241 ACRES.
2. DATUM IS BASED ON NAVD83.
3. THERE ARE NO EXISTING OR PROPOSED PUBLIC WATER SUPPLY WELLS WITHIN 500 FEET OF THE SUBDIVISION. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO THE FINDINGS SUCH A REPORT MIGHT DISCLOSE. PROPERTY LINES SHOWN ON THIS SURVEY/PLAT REPRESENT CURRENT PHYSICAL FIELD CONDITIONS AND EVIDENCE OF APPARENT POSSIBLE POSSESSION. REFERENCES TO PUBLIC RECORDS HEREON REFLECTS TO THOSE RECORDS NECESSARY TO ESTABLISH THE BOUNDARIES SHOWN HEREON AND REFERENCE TO THE SAME DOES NOT, AND IS NOT INTENDED TO CONSTITUTE A TITLE SEARCH OR TITLE OPINION.

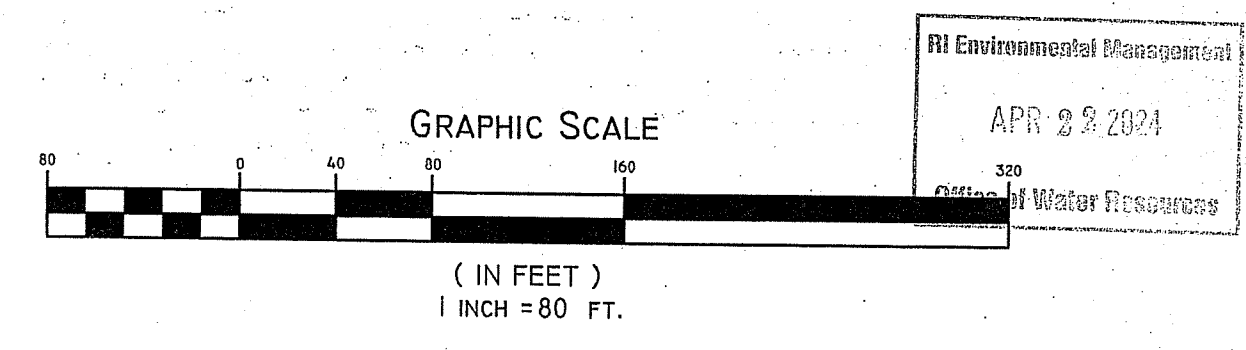
ZONING DISTRICT: R-80

"LOW DENSITY RESIDENTIAL"

MINIMUM FRONTAGE	= 200'
MINIMUM AREA	= 80,000 S.F.
MINIMUM SETBACKS -	
FRONT	= 40'
SIDE	= 25'
REAR	= 75'

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS AS
 SPECIFIED IN THE LETTER OF APPROVAL
 DATED: JUL - 1 2024 FILE #: 24-0096
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Nancy L. Freeman



EXISTING CONDITIONS

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

"AP 47, LOT 8"
 120 MAPLEVILLE ROAD, SMITHFIELD, RI

APPLICANT: DORA & JOSE FINO
 55 ANTHONY STREET, CUMBERLAND, RI

JOB # 23-054 SCALE: 1" = 80' DRAWN BY: LMB DATE: 3-29-24

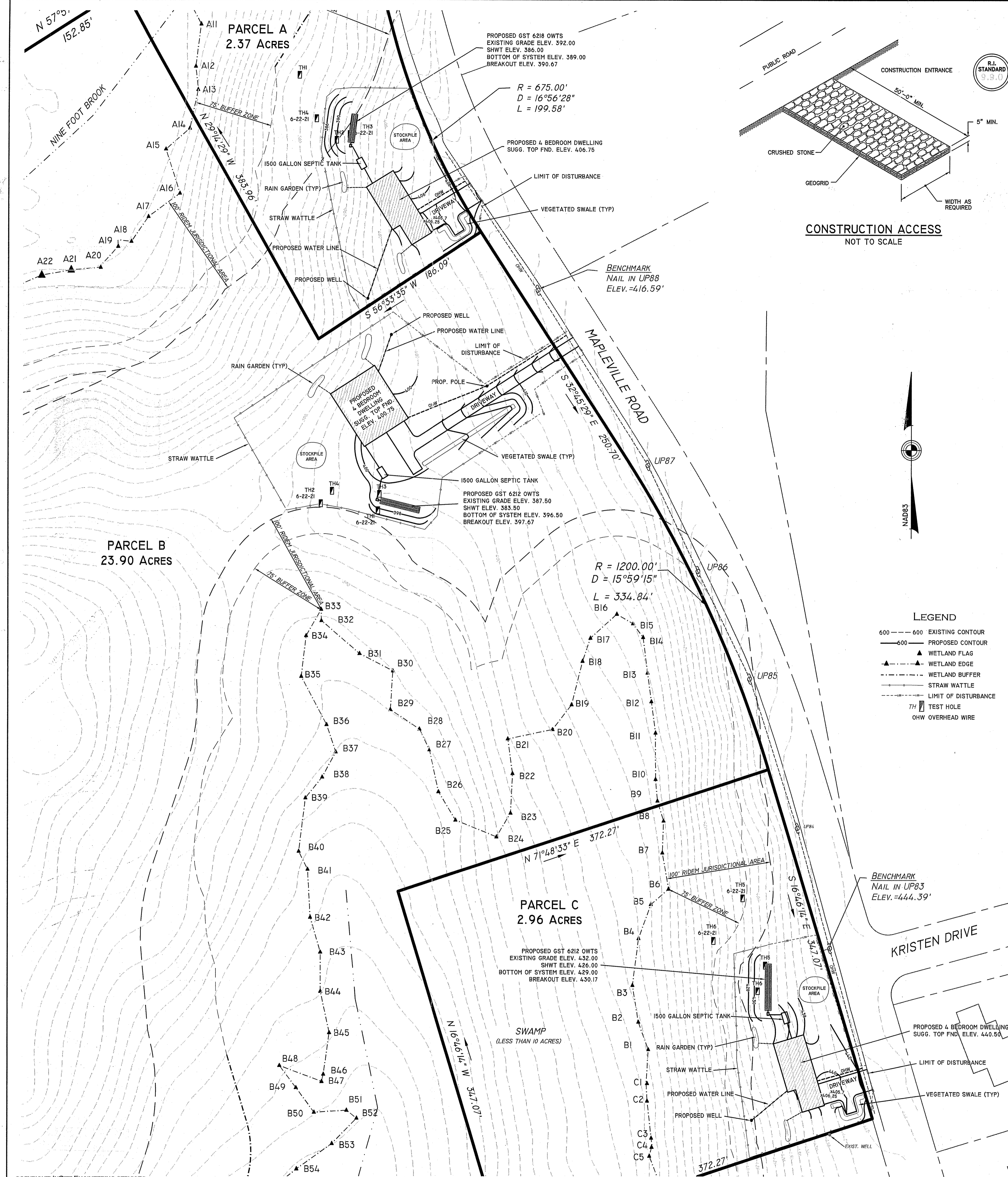
REVISED:

INSITE Engineering Services, LLC
 PROFESSIONAL ENGINEERS | LAND SURVEYORS
 Precision. Clarity. Certainty.

501 Great Road, Unit 104
 North Smithfield, RI 02896
 Phone: (401) 762-2870 Fax: (401) 762-2871
 Web Address: insiteengineers.com

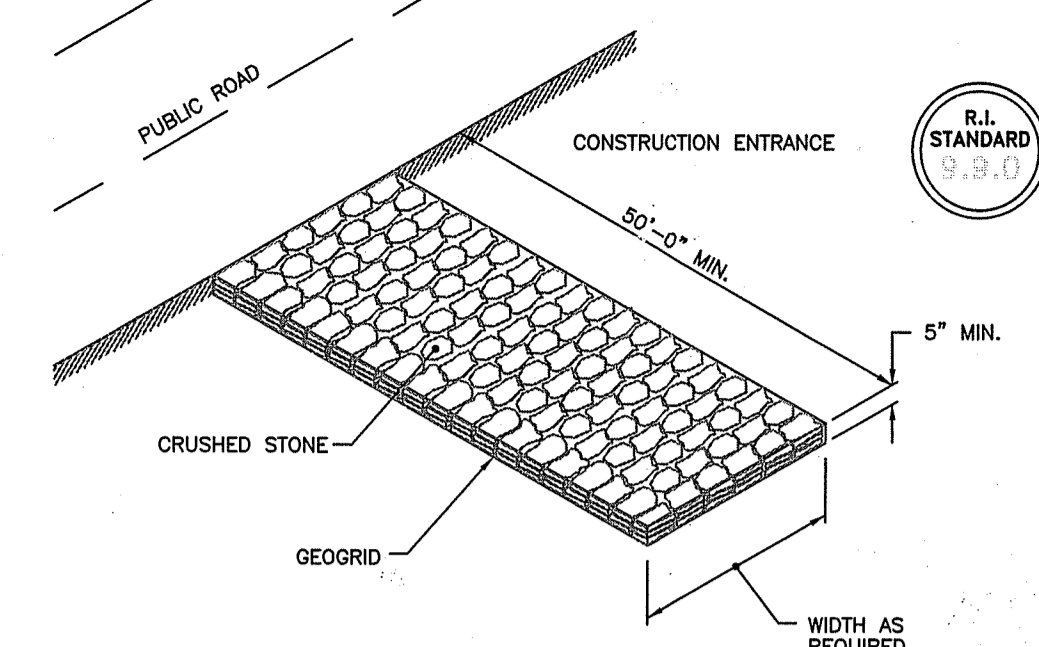
RI Environmental Management
 APR 23 2024
 Office of Water Resources

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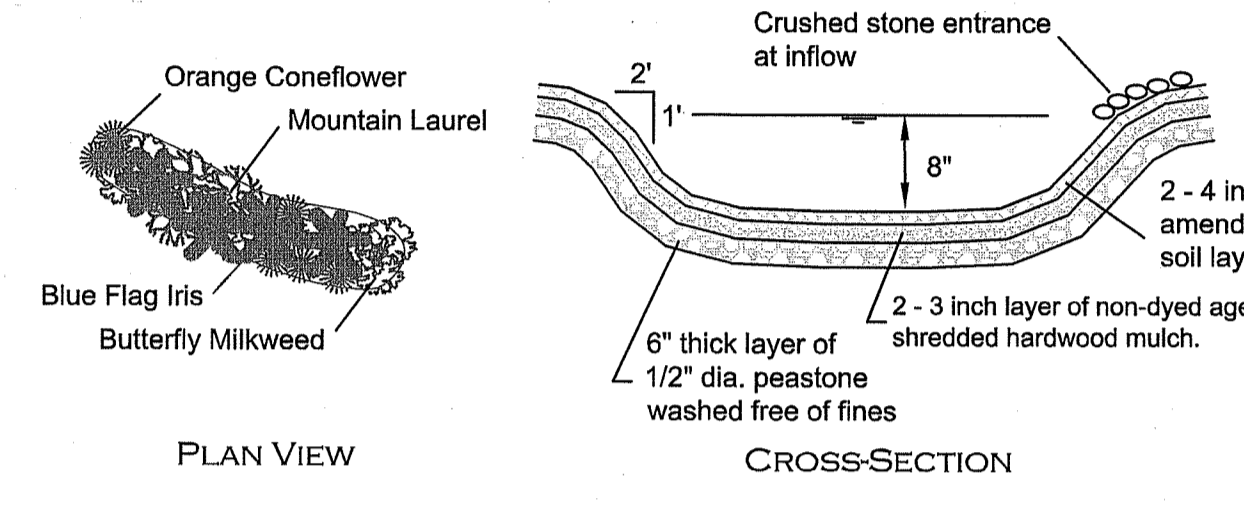
GENERAL NOTES:

1. PLAT 47 LOT 8 EXISTING AREA: 1,273,728 SF OR 29.241 ACRES.
2. DATUM IS BASED ON NAVD88.
3. WETLAND DELINEATION BY NATURAL RESOURCE SERVICES, INC. ON 5-24-23.
4. CONTINUOUS ROW OF STRAW WATTLE IS 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.
5. THERE IS NO DISTURBANCE PROPOSED WITHIN ANY BUFFER ZONES.



CONSTRUCTION ACCESS
NOT TO SCALE

PARCEL A	PARCEL B	PARCEL C
ROOF AREA: 1,924 SF	ROOF AREA: 3,000 SF	ROOF AREA: 1,924 SF
TWO RAIN GARDENS	TWO RAIN GARDENS	TWO RAIN GARDENS
80 SF - 20 PLANTS	120 SF - 30 PLANTS	80 SF - 20 PLANTS

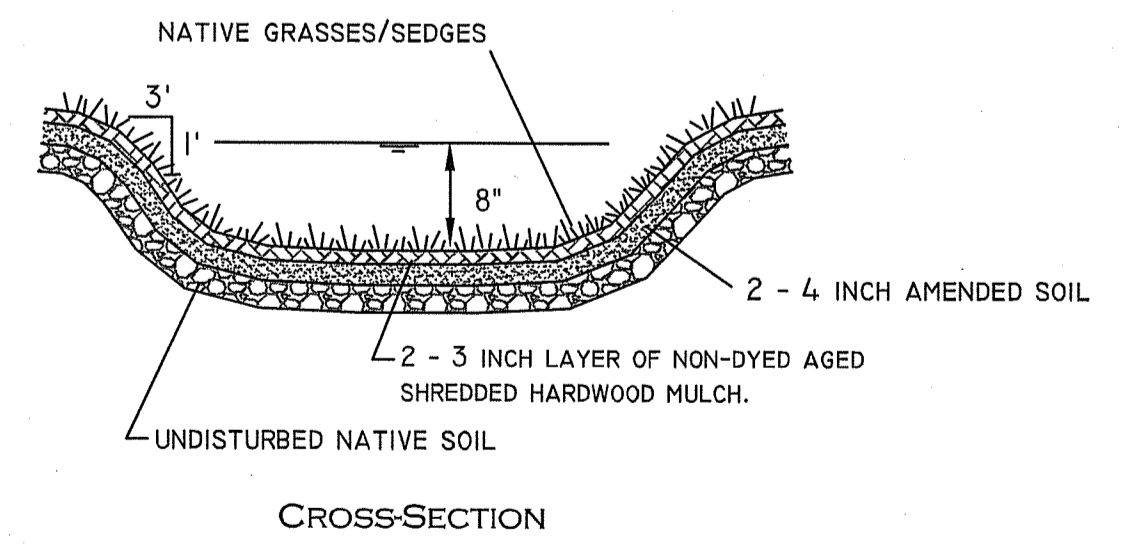


TREATMENT:
RAIN GARDEN TO BE 8" DEEP WITH A 2 - 4 INCH AMENDED SOIL LAYER (50/50 MIXTURE OF THE EXCAVATED NATIVE SOILS AND MATURE ORGANIC COMPOST) AND A 2 - 3 INCH LAYER OF NON-DYED AGED SHREDDED HARDWOOD MULCH.

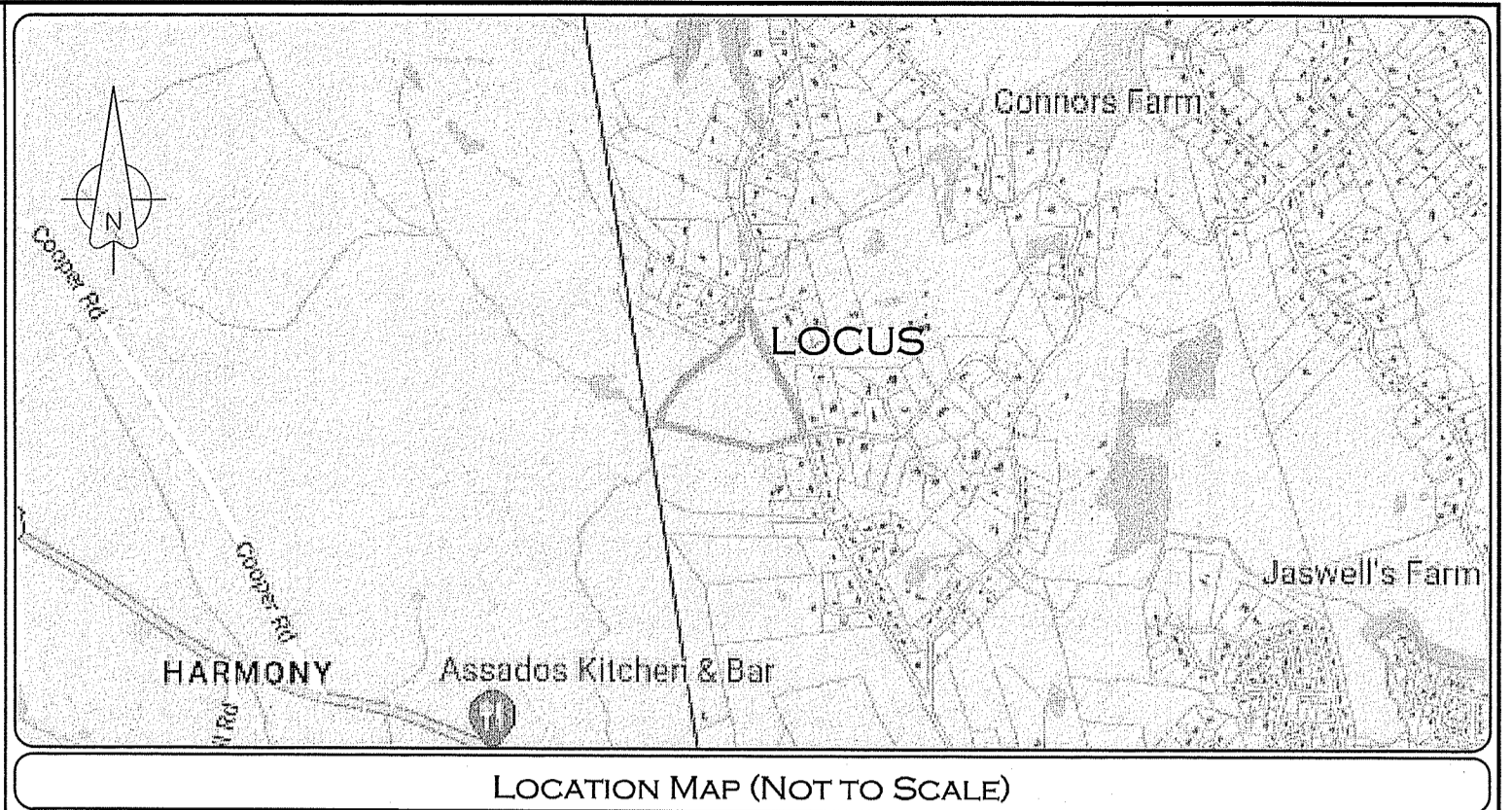
- CONSTRUCTION:**
1. A CRUSHED STONE ENTRANCE SHOULD BE INSTALLED AT THE INFLOW TO PREVENT CHANNELING.
 2. A BERM TO DETAIN STORMWATER SHOULD BE CONSTRUCTED ALONG THE DOWNHILL SIDE OF THE RAIN GARDEN, PERPENDICULAR TO THE SLOPE OF THE LAWN
 3. BE SURE THAT THE SOIL WITHIN THE RAIN GARDEN AREA DOES NOT 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

- MAINTENANCE:**
2. SILT/SEDIMENT SHALL BE REMOVED FROM THE RAIN GARDEN WHEN THE ACCUMULATION EXCEEDS ONE INCH, OR WHEN WATER POUNDS 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.

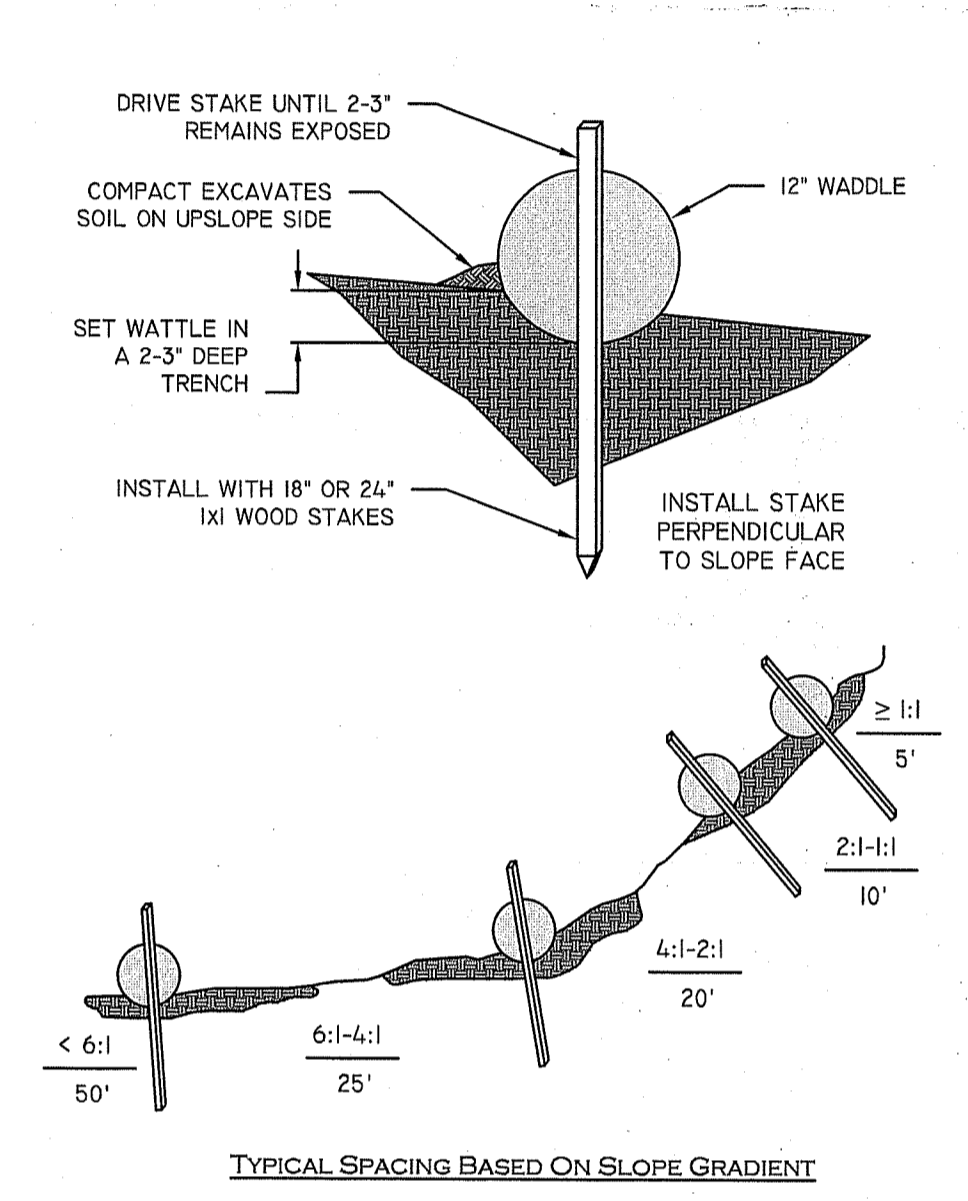
PARCEL A	PARCEL B	PARCEL C
DRIVEWAY AREA: 1,298 SF	DRIVEWAY AREA: 2,582 SF	DRIVEWAY AREA: 1,238 SF
SWALE: 224 SF	SWALE: 416 SF	SWALE: 224 SF
4' WIDE X 57' LONG	4' WIDE X 104' LONG	4' WIDE X 57' LONG



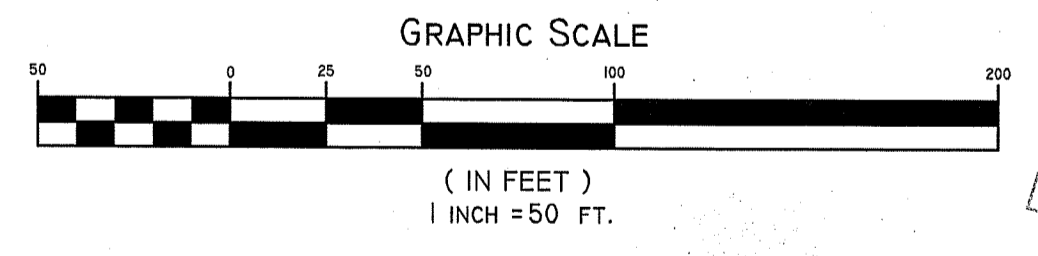
- MAINTENANCE:**
1. THE VEGETATED SWALE SHALL BE INSPECTED ANNUALLY AND AFTER LARGE STORM EVENTS.
 2. ERODED SIDE SLOPES AND CHANNEL BOTTOM SHALL BE STABILIZED AS NECESSARY.
 3. IF THE SURFACE OF THE DRY SWALE BECOMES CLOGGED TO THE POINT THAT STANDING WATER IS OBSERVED ON THE SURFACE 48 HOURS AFTER 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..



STRAW WATTLE (OR SILT SOCK) DETAIL
NOT TO SCALE



- EROSION & SEDIMENTATION CONTROL:**
1. BEGIN AT THE LOCATION WHERE WATTLE IS TO BE INSTALLED BY EXCAVATING 2-3" DEEP X 9" WIDE TRENCH ALONG THE CONTOUR OF THE SLOPE. EXCAVATED SOIL SHOULD BE PLACED UP SLOPE FROM THE ANCHOR TRENCH.
 2. PLACE THE WATTLE IN THE TRENCH SO THAT IT CONTOURS TO THE SOIL SURFACE. COMPACT SOIL FROM THE EXCAVATED TRENCH AGAINST THE WATTLE ON THE UPHILL SIDE. ADJACENT WATTLES SHOULD TIGHTLY ADJUT.
 3. SECURE THE WATTLE WITH 18-24" STAKES EVERY 3-4' AND WITH A STAKE ON EACH END. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE WATTLE LEAVING AT LEAST 2-3" OF STAKE EXPOSED PERPENDICULAR TO THE SLOPE FACE.
 4. CONTRACTOR IS RESPONSIBLE TO MAINTAIN INTERIARD PROGRAM WATTLE FOR DURATION OF CONSTRUCTION.
 5. EROSION CONTROLS TO REMAIN UNTIL VEGETATION GERMINATION AND STABILIZATION OCCURS.
 6. LOOSE HAY TO BE SPREAD ON AREAS OF EXPOSED SOIL UNTIL GERMINATION AND STABILIZATION OCCURS.



WETLANDS PLAN

"AP 47, LOT 8"
120 MAPLEVILLE ROAD, SMITHFIELD, RI

APPLICANT: **DORA & JOSE FINO**
55 ANTHONY STREET, CUMBERLAND, RI

PAUL D. CARLSON
No. 7142
REGISTERED PROFESSIONAL ENGINEER
CIVIL

JOB #: 23-054 SCALE: 1" = 50' DRAWN BY: LMB DATE: 3-29-24

REVISED: 6-4-24

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