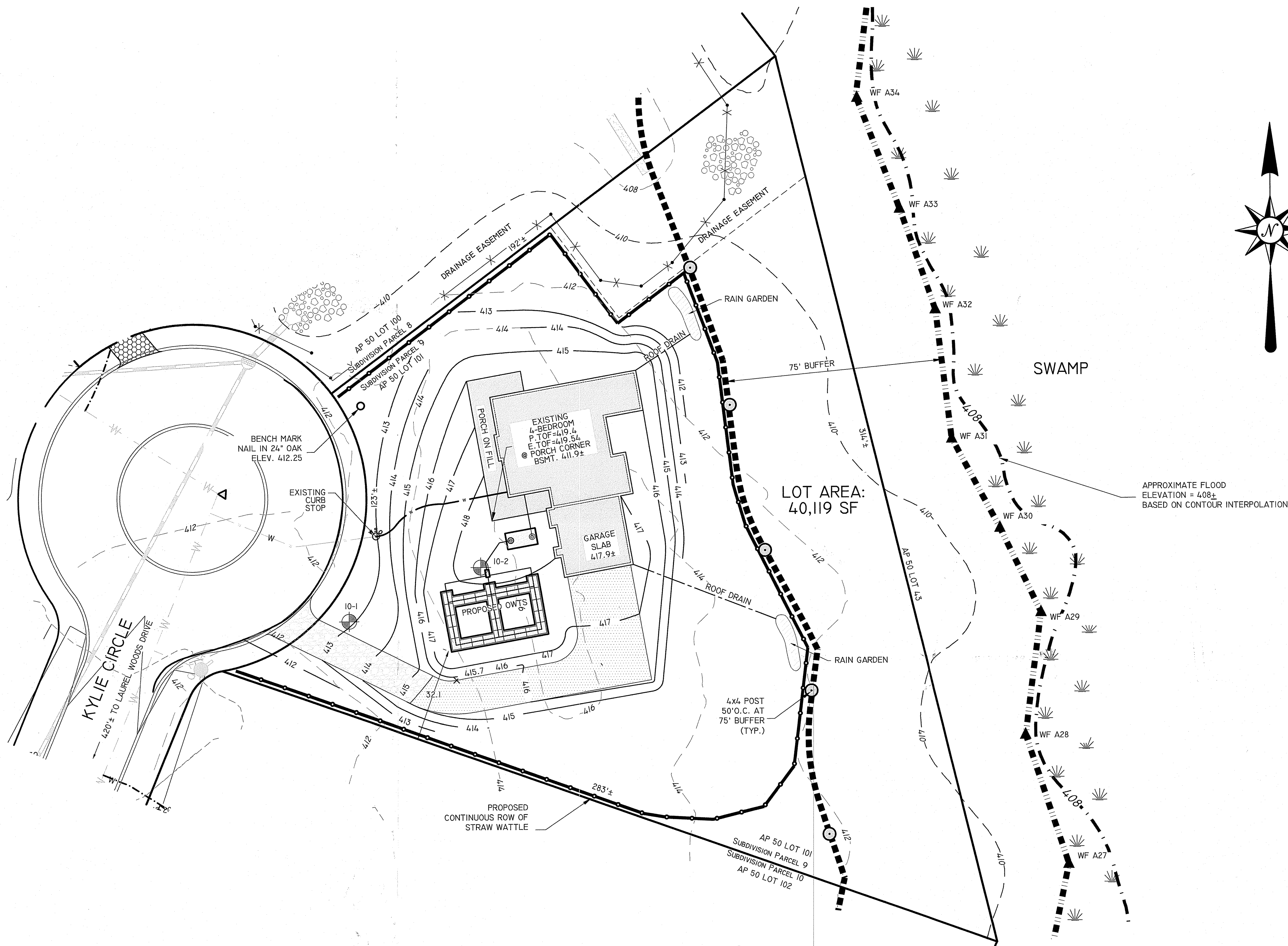


SI:2022-12-102 LAUREL WOODS DRIVE, SMITHFIELD, DWG: 22-102 LAUREL WOODS LOT 9 WETLANDS.DWG



LOCATION MAP (NOT TO SCALE)

EROSION & SEDIMENT CONTROL NOTES:

1. NO UNDISTURBED AREAS SHALL BE CLEARED OF EXISTING VEGETATION AFTER OCTOBER 15 OF ANY CALENDAR YEAR. ALL DISTURBED SOILS EXPOSED PRIOR TO OCTOBER 15 OF ANY CALENDAR YEAR SHALL BE SEEDING OR PROTECTED BY THAT DATE. ANY SUCH AREAS THAT DO NOT HAVE ADEQUATE VEGETATIVE STABILIZATION, AS DETERMINED BY THE RESIDENT ENGINEER OR ENVIRONMENTAL INSPECTOR, BY NOVEMBER 15 OF ANY CALENDAR YEAR, MUST BE STABILIZED THROUGH THE USE OF EROSION CONTROL MATTING OR HAY MULCH, IN ACCORDANCE WITH SPECIFICATIONS CONTAINED WITHIN THE R.I. SOIL EROSION AND SEDIMENT CONTROL HANDBOOK. IF WORK CONTINUES WITHIN ANY OF THESE AREAS DURING THE PERIOD FROM OCTOBER 15 THROUGH APRIL 15, CARE MUST BE TAKEN TO ENSURE THAT ONLY THE AREA REQUIRED FOR THAT DAY'S WORK IS EXPOSED, AND ALL ERODIBLE SOIL MUST BE RESTABILIZED WITHIN 5 WORKING DAYS. ANY ADDITIONAL WORK TO CORRECT THE PROBLEM RESULTING FROM FAILURE TO COMPLY WITH THIS PROVISION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THERE WILL BE NO SEPARATE PAYMENT FOR THIS PROVISION, IT SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION OPERATIONS.
2. STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN 15 DAYS OF FINAL GRADING.
3. STOCKPILES OF SOIL SHALL NOT BE LOCATED WITHIN REGULATED WETLANDS OR BUFFER ZONE AREAS. THEY SHALL HAVE SIDE SLOPES GREATER THAN 30% AND STOCKPILES SHALL ALSO BE SEEDING AND RINGED WITH R.I. STD. 9.2.0 TO STABILIZE.
7. THE TOE OF ANY FILL SLOPE IS TO REMAIN AT LEAST 1' INSIDE OF ALL EROSION CONTROLS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR COVER ANY PORTION OF THE EROSION CONTROL MEASURES WITH MATERIAL. ANY MATERIAL THAT IS PLACED ON ANY EROSION CONTROLS BY THE CONTRACTOR, OR ANY AGENT OF THE CONTRACTOR, SHALL BE IMMEDIATELY REMOVED BY THE CONTRACTOR, AND ANY NECESSARY REPAIRS TO THE EROSION CONTROLS ACCOMPLISHED, AT NO COST TO THE OWNER OR ENGINEER.
8. PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES, EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED AT THOSE AREAS INDICATED ON THE PLANS. CLEARING MAY OCCUR PRIOR TO INSTALLATION OF SUCH CONTROLS, HOWEVER NO GRUBBING, GRADING, FILLING, OR OTHER SOIL DISTURBANCE SHALL OCCUR PRIOR TO INSTALLATION.
9. TEMPORARY TREATMENTS SHALL CONSIST OF STRAW, OR FIBER MULCH OR PROTECTIVE COVERS SUCH AS A MAT OR FIBER LINING (JUTE, FIBERGLASS NETTING, EXCELSIOR BLANKETS). THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED OR AS ORDERED BY THE ENGINEER.
10. ALL STRAW WATTLE OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS IS ESTABLISHED. IF NEEDED, TEMPORARY SEEDING CAN HELP TO MINIMIZE EROSION. TEMPORARY SEEDING CAN HELP TO MINIMIZE EROSION. TEMPORARY SEED WILL CONFORM TO R.I.D.O.T. STANDARD TEMPORARY SEED MIX.
11. THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR AND HE SHALL DO SO AT NO ADDITIONAL EXPENSE TO THE OWNER OR ENGINEER.

LEGEND

SOIL TEST PIT	10-1
ORIGINAL CONTOUR	414
PROPOSED CONTOUR	417
SUBDIVISION ROAD CONTOUR	412

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 REVIEWED SITE PLAN APPLICATION #: 22-0466
 DATED: NOV 10 2022
 SEE LETTER OF SAME DATE

RI Environmental Management
 OCT 05 2022
 Office of Water Resources

Environmental Management
 OCT 18 2022
 Office of Water Resources

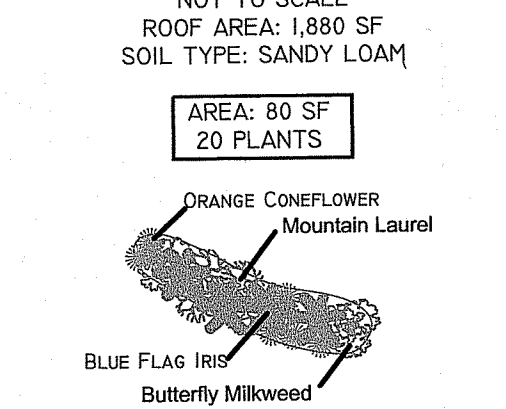
RAIN GARDEN

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.

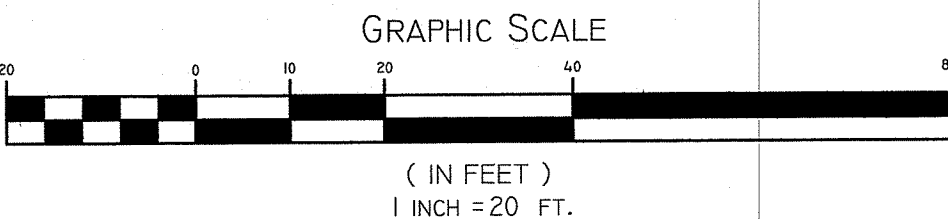
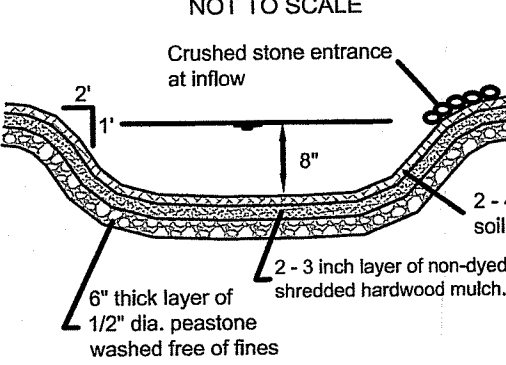
CONSTRUCTION
 1. A crushed stone entrance should be installed at the inflow to prevent channeling.
 2. A berm to detain stormwater should be constructed along the downhill side of the rain garden, perpendicular to the slope of the lawn
 3. Be sure that the soil within the rain garden area does not become 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.

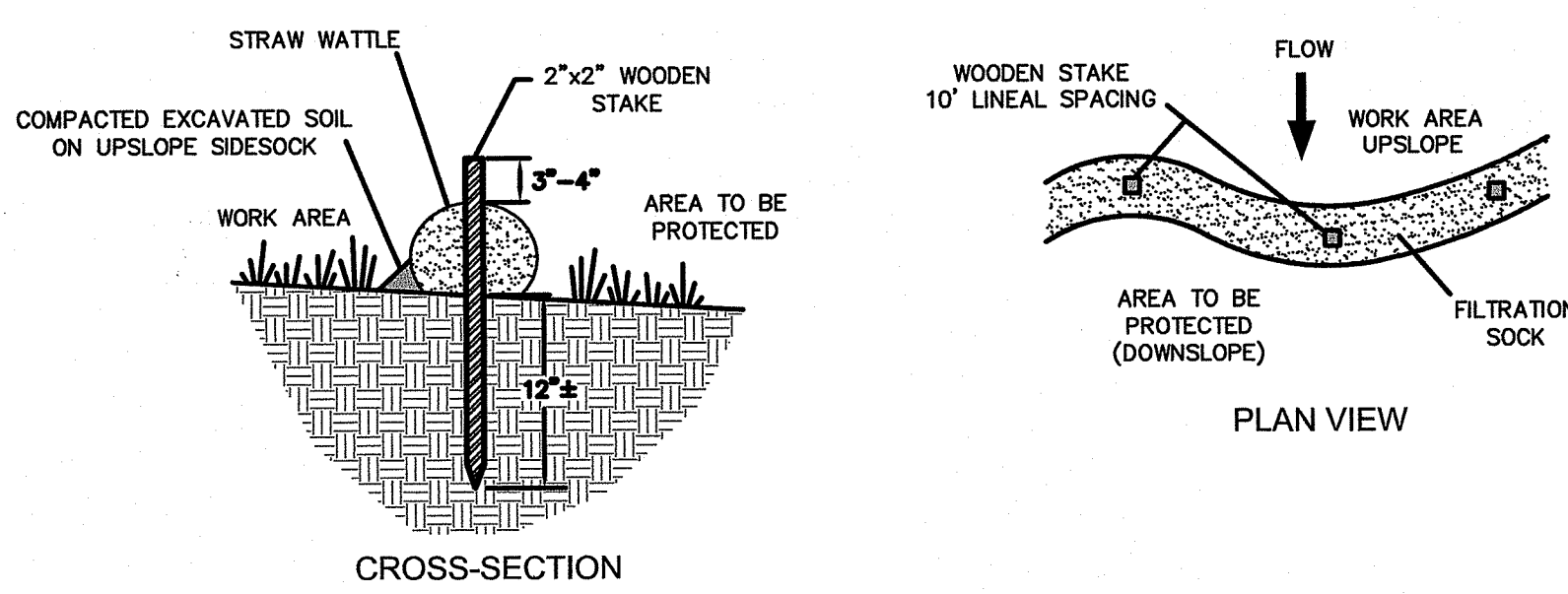
RAIN GARDEN PLANTING DETAIL



RAIN GARDEN CROSS-SECTION



FILTRATION SOCK



WETLANDS PLAN

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

"LAUREL WOODS"
 5 KYLIE DRIVE, SMITHFIELD, RHODE ISLAND
 ASSESSOR'S PLAT 50 LOT 10 SUBDIVISION PARCEL 9

PREPARED FOR: BENJAMIN POTTER
 115 RIVERSIDE STREET, PAWTUCKET, RI 02861

JOB # 22-102
 SCALE: 1" = 20"
 DRAWN BY: LMB
 DATE: 9-29-22

REVISED:

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

INSITE Professional Complex, Suite 1
 1539 Fall River Avenue, Seekonk, MA 02771
 Phone: (508) 336-4500 Fax: (508) 336-4558

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 North Smithfield, RI 02896
 Phone: (401) 762-2870 Fax: (401) 762-2871
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SHEET 1 OF 1