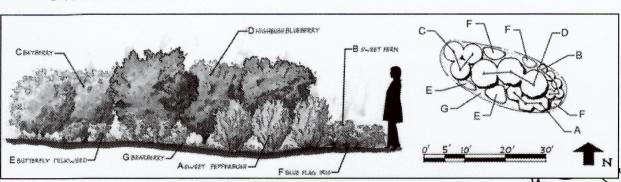


DIVISION STREET
VALLEY BROOK DRIVE
GREEN HILL WAY

NOTE:

1. S.H.G.W.T. = 24" (PER RIDEM APP #2135-0816)

STREET INDEX



RAIN GARDEN EXAMPLE PLANTING

GENERAL

1. THIS PLAN IS INTENDED TO PROVIDE GUIDANCE AND INSTRUCTION TO THE OWNER AND CONTRACTOR(S) IN THE PREVENTION OF EROSION AND SEDIMENTATION BOTH ON-SITE AND OFF-SITE. THIS PLAN IS INTENDED TO ALLOW ANY EROSION APPROVALS TO BE MORE SPECIFIC IN ADDRESSING ITEMS OF CONCERN. IF, UPON ISSUANCE OF ANY ORDER, APPROVAL OR PERMIT BY ANY MUNICIPAL, STATE OR FEDERAL ENTITY, ANY ITEMS SPECIFIED HEREIN ARE IN CONFLICT WHICH SUCH ORDER, SAID ORDERS SHALL SUPERCEDE THE REQUIREMENTS SPECIFIED ON THIS PLAN.

2. THIS PLAN IS PART OF A SET OF DOCUMENTS THAT ARE TO BE VIEWED AND REVIEWED IN THEIR ENTIRETY. SUCH DOCUMENTS INCLUDE THE CONSTRUCTION SPECIFICATIONS, CONSTRUCTION PLANS AND ANY PERMITS ISSUED BY THE CITY OF WARWICK OR THE STATE OF RHODE ISLAND, THEIR AGENTS, OR OTHER REGULATORY AGENCIES.

EROSION CONTROL MEASURES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT EROSION AND SEDIMENTATION ARE CONTROLLED, THIS PLAN SHALL BE ADAPTED TO FIT THE CONTRACTOR'S EQUIPMENT, WEATHER CONDITIONS, AND ANY ORDER ISSUED BY THE REGULATORY AGENCY HAVING JURISDICTION OVER THIS PROJECT.

2. THE MOST IMPORTANT ASPECTS OF CONTROLLING EROSION AND SEDIMENTATION ARE LIMITING THE EXTENT OF DISTURBANCE AND STABILIZING SURFACES AS SOON AS POSSIBLE. OF SECONDARY IMPORTANCE IN EROSION CONTROL IS THE LIMITING OF THE SIZE AND LENGTH OF THE TRIBUTARY DRAINAGE AREA WITHIN THE WORK SITE. THESE FUNDAMENTAL PRINCIPLE SHALL BE THE KEY FACTOR IN THE CONTRACTOR'S CONTROL OF EROSION ON THE SITE.

- 3. ALL DISTURBED SURFACES SHALL BE STABILIZED A MINIMUM OF 7 DAYS AFTER CONSTRUCTION IN ANY PORTION OF THE SITE THAT CONSTRUCTION HAS CEASED OR IS TEMPORARILY HALTED.
- 4. THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE AND REPAIR OF ALL EROSION CONTROL DEVICES ON SITE. ALL EROSION CONTROL DEVICES SHALL BE REGULARLY INSPECTED. ANY SEDIMENT REMOVED FROM THE CONTROL DEVICES SHALL BE DISPOSED OF OFF-SITE.
- 5. AT NO TIME SHALL SILT-LADEN WATER BE ALLOWED TO ENTER OFF-SITE AREAS OR EXISTING DRAINAGE SYSTEMS. ANY RUNOFF FROM DISTURBED SURFACES SHALL BE DIRECTED THROUGH SETTLING BASINS AND/OR EROSION CONTROL BARRIERS PRIOR TO ENTERING ANY SENSITIVE AREAS.

GENERAL CONSTRUCTION REQUIREMENTS

 NO ON-SITE DISPOSAL OF SOLID WASTE, INCLUDING BUILDING MATERIALS, IS ALLOWED. THE BURIAL OF STUMPS, DEMOLITION DEBRIS, CONSTRUCTION DEBRIS OR OTHER MATERIAL SHALL NOT BE ALLOWED ANYWHERE ON-SITE.

2. NO MATERIALS SHALL BE DISPOSED OF INTO EXISTING OR PROPOSED SEWER OR DRAINAGE SYSTEMS, EITHER ON-SITE OR OFF-SITE. ALL CONTRACTORS, INCLUDING CONCRETE SUPPLIERS, PAINTERS AND PLASTERERS, SHALL BE INFORMED THAT THE CLEANING OF EQUIPMENT IS PROHIBITED IN AREAS WHERE THE WASH WATER WILL DRAIN DIRECTLY TO OFF-SITE DRAINAGE SYSTEMS.

3. THE CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL WHICH SHALL INCLUDE SWEEPING OF ALL PAVED SURFACES THAT ARE IMPACTED BY SITE CONSTRUCTION ON A REGULAR BASIS, AS NEEDED.

PRE-CONSTRUCTION

1. AN EROSION CONTROL BARRIER SHALL BE INSTALLED AT ANY LOCATION WHERE AREAS TO BE DISTURBED COULD CAUSE EROSION TO OTHER AREAS. THESE BARRIERS SHALL REMAIN IN PLACES UNTIL ALL TRIBUTARY SURFACES HAVE BEEN FULLY STABILIZED.

2. THE CONTRACTOR SHALL ESTABLISH A STAGING AREA ON A PORTION OF THE AREA TO BE DISTURBED FOR THE OVERNIGHT STORAGE OF EQUIPMENT AND STOCKPILING OF MATERIALS.

3. IN THE STAGING AREA, THE CONTRACTOR SHALL HAVE A STOCKPILE OF MATERIALS REQUIRED TO CONTROL EROSION ON-SITE, TO BE USED TO SUPPLEMENT OR REPAIR EROSION CONTROL DEVICES. THESE MATERIALS SHALL INCLUDE, BUT ARE NOT LIMITED TO: HAY BALES, SILT FENCE AND CRUSHED STONE

4. THE CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL ON-SITE AND SHALL UTILIZED EROSION CONTROL MEASURES WHERE NEEDED, REGARDLESS OF WHETHER THE MEASURES ARE SPECIFIED HEREIN, ON THE PLAN OR IN ANY OPPORTS.

MAN HA MERCH

SUPPORT NETTING OHEAVY DUTY PLASTIC MESH)

TEM. BE IN ACCORDANCE WITH SECTION 205 OF THE RL STANDARD SPECIFICATIONS. "TACK"H" - FOLKAL) ONE POSTS FOR SELT FEMOL SHALL SE LOCATED 8"-0" CALC) OLD IN SECLAND AMERIC AND 4"-0" (UNL) OLD IN SECLAND AMERIC SELT OF DRO"-OF

RHODE ISLAND DEPARTMENT OF TRAN

SILT FENCE DETAIL

OMPACTED BACKFILL

PRELIMINARY SITE WORK

- 1. MATERIAL REMOVED SHOULD BE STOCKPILED, SEPARATING THE TOPSOIL FOR FUTURE USE ON THE SITE. EROSION CONTROL SHALL BE UTILIZED ALONG THE DOWNSLOPE SIDE OF THE PILES IF THE PILES ARE TO REMAIN MORE THAN 3
- 2. STOCKPILES SHALL BE LOCATED WITHIN THE LIMITS OF DISTURBANCE, IN AREAS OF MINIMAL IMPACT. IF A STOCKPILE IS LOCATED ON A SLOPE, THE RUNOFF SHALL BE DIRECTED AWAY FROM THE PILE.
- 3. IF INTENSE RAINFALL IS ANTICIPATED, THE INSTALLATION OF SUPPLEMENTAL HAY BALE DIKES, SILT FENCES, OR ARMORED DIKES SHALL BE

ROOF RUNOFF RAIN GARDEN CALCULATIONS: IMPERMEABLE TRIBUTARY AREA = 3,440 S.F. ~ 3,500 S.F. TRIB. AREA TO 8" DEEP GARDEN SQUARE FOOTAGE CONVERSION = 0.16

*FROM, RI SMG TABLE 10 3,500 S.F. * 0.16 = 560 S.F. RAIN GARDEN REQUIRED 2 RAIN GARDENS PROPOSED: 286 S.F. + 274 S.F.

RAIN GARDEN 1: TRIBUTARY AREA: 286 S.F. 2:1 LENGTH TO WIDTH RATIO RECOMMENDED PER RI SMG LENGTH=23 FT., WIDTH=12.5 FT. 23 FT. * 12.5 FT. = 288 S.F. RAIN GARDEN PROPOSED

RAIN GARDEN 2: TRIBUTARY AREA: 274 S.F.
2:1 LENGTH TO WIDTH RATIO RECOMMENDED PER RI SMG
LENGTH=23 FT., WIDTH=12 FT.
23 FT. * 12 FT. = 276 S.F. RAIN GARDEN PROPOSED

288 S.F. + 276 S.F. = 564 S.F. TOTAL RAIN GARDEN AREA

GARDEN

#3

BATCHE

DRIVEWAY RUNOFF RAIN GARDEN CALCULATIONS:

IMPERMEABLE TRIBUTARY AREA = 4,135 S.F. ~ 4,200 S.F.

TRIB. AREA TO 8" DEEP GARDEN SQUARE FOOTAGE CONVERSION = 0.16

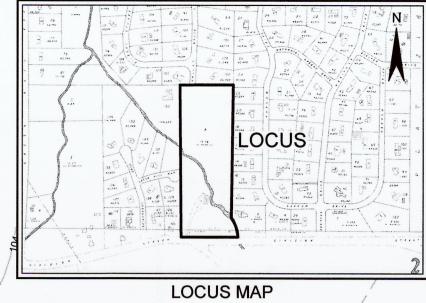
*FROM RI SMG TABLE 10 4,200 S.F. * 0.16 = 672 S.F. RAIN GARDEN REQUIRED 2 RAIN GARDENS PROPOSED: 336 S.F. + 336 S.F.

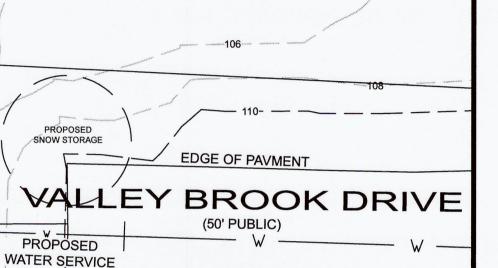
RAIN GARDEN 3: TRIBUTARY AREA: 336 S.F.
2:1 LENGTH TO WIDTH RATIO RECOMMENDED PER RI SMG
LENGTH=28 FT., WIDTH=12 FT.
28 FT. * 12 FT. = 336 S.F. RAIN GARDEN PROPOSED

RAIN GARDEN 4: TRIBUTARY AREA: 336 S.F. 2:1 LENGTH TO WIDTH RATIO RECOMMENDED PER RI SMG LENGTH=26 FT., WIDTH=13 FT. 26 FT. * 13 FT. = 338 S.F. RAIN GARDEN PROPOSED

226 C E + 220 C E - 674 C E TOTAL DAIN CARDEN ADEA

336 S.F. + 338 S.F. = 674 S.F. TOTAL RAIN GARDEN AREA





EDGE OF PAVMENT

PROPOSED UNDERGROUND ELECTRIC

CATCH BASIN B.M. = 111.768 ASSUMED DATUM

MAJOR SUBDIVISION - PRELIMINARY PLAN SOIL EROSION & PLAN SEDIMENTATION CONTROL PLAN

635 DIVISION STREET SUBDIVISION

A.P. 217 / LOT 8 635 DIVISION STREET WARWICK, R.I. 02886

SCALE: 1"=20' DATE: APRIL 19, 2022

PREPARED FOR:

ALPHA REAL ESTATE LENDING, LLC. 75 LAMBERT LIND HIGHWAY, WARWICK, R.I. 02886 PHONE: (401) 732-3700

PREPARED BY:

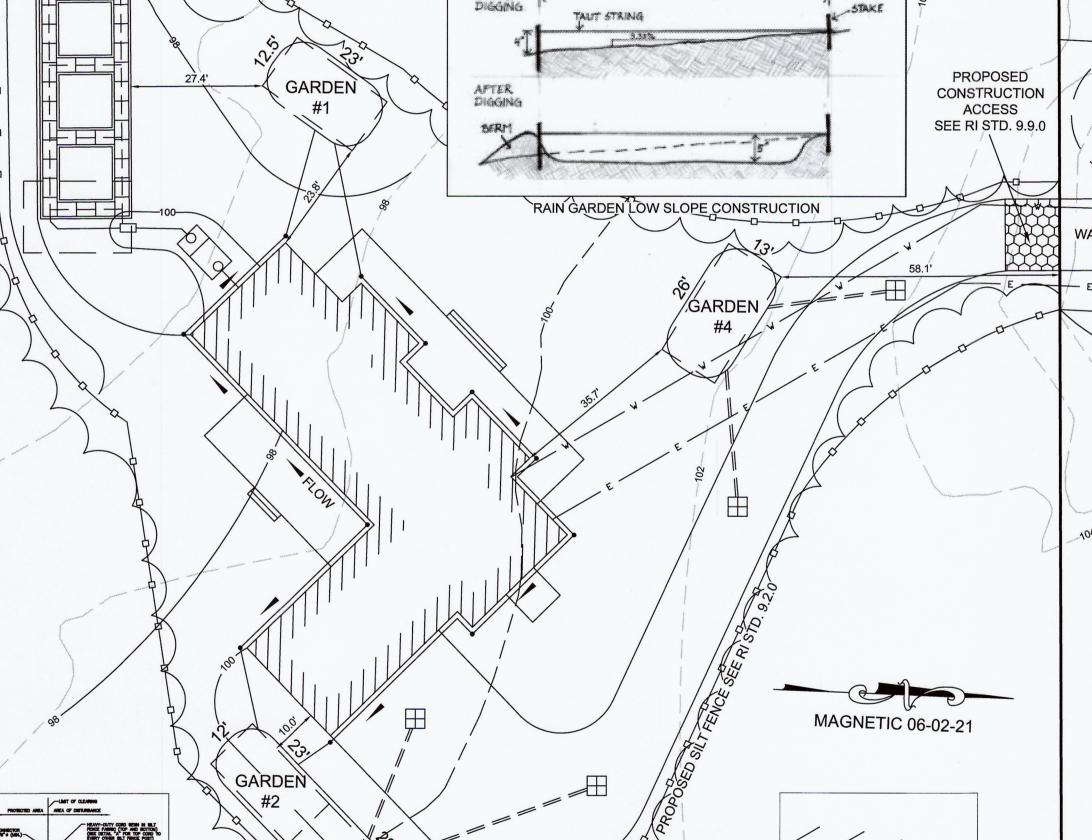
OCEAN STATE PLANNERS, INC.

1255 OAKLAWN AVENUE, CRANSTON, RI 02920

PHONE: (401) 463-9696 info@osplanners.com JOB NO. 9622 / DWG. NO. 9622 - Prelim 3 - (AJB)

SHEET: 3 OF 4 GRAPHIC SCALE / 1" = 20'

20 40 60



RAIN GARDEN TO BE

PLANTED IN ACCORDANCE

WITH THE RHODE ISLAND

COASTAL PLANT GUIDE

