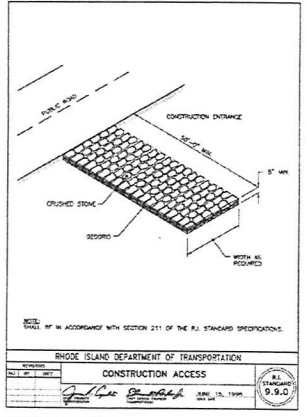
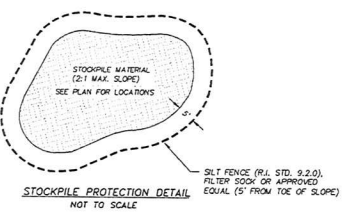
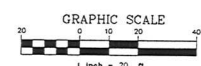
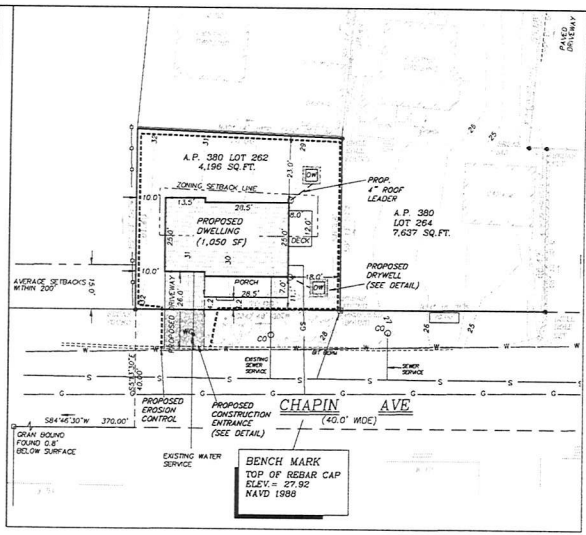
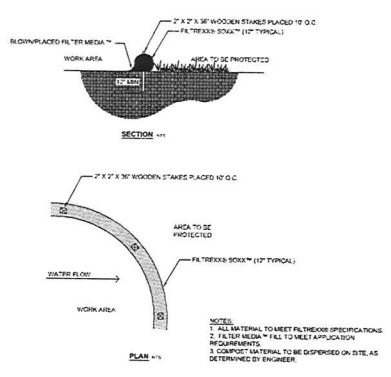




- LEGEND**
- CHAIN LINK FENCE
 - STOCKADE FENCE
 - EDGE OF PAVEMENT
 - BUILDING SETBACK
 - STONE WALL
 - UTILITY POLE
 - EXISTING SEWER CLEANOUT
 - RECORD PLAT #167 LOT NUMBER
 - EXISTING WATER SHUTOFF
 - DRY WELL
 - EROSION CONTROL/LIMIT OF DISTURBANCE (EOD)



- CONSTRUCTION ENTRANCE DETAIL NOTES**
- CONSTRUCTION ENTRANCE WIDTH SHALL BE A MINIMUM OF 5' FROM THE INSIDE EDGE TO THE INSIDE EDGE.
 - CONSTRUCTION ENTRANCE WIDTH SHALL BE AT LEAST THE FULL WIDTH OF THE UNDERGROUND ACCESS POINT.
 - CONSTRUCTION ENTRANCE LENGTH SHALL BE A MINIMUM OF 50'.
 - AGGREGATE SIZE SHALL BE NO. 57 CRUSHED STONE OR EQUIV.
 - DETAIL BASED ON INSIDE DEPARTMENT OF TRANSPORTATION DETAIL #1, STANDARD 8.8.0 CONSTRUCTION ACCESS AND ROAD STANDARD SPECIFICATIONS, SECTION 211 CONSTRUCTION ACCESS.



FILTREXX® SEDIMENT CONTROL
NTS

PROJECT NARRATIVE

THE SUBJECT SITE IS LOCATED ON THE NORTHERN SIDE OF CHAPIN AVENUE AND IS IDENTIFIED AS A DEVELOPER'S PLAT #167 LOT 262 IN THE CITY OF WARWICK. THE PROPERTY CONTAINS 4,196 SQUARE FEET OF LOT AREA. THE LOT IS RELATIVELY FLAT AND IS CURRENTLY VACANT. THE APPLICANT IS PROPOSING TO CONSTRUCT A 1,050 SQUARE FOOT RESIDENTIAL DWELLING. THE LOT HAS ACCESS TO PUBLIC WATER, SEWER AND GAS SERVICE CONNECTIONS. TWO (2) DRYWELLS ARE PROPOSED TO TREAT STORMWATER RUN-OFF FOR WATER QUALITY FOR THE ROOF AREA.

- GENERAL CONSTRUCTION NOTES:**
- IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO OBTAIN ANY AND ALL PERMITS REQUIRED BY THE STATE AND THE MUNICIPALITY IN BEFORE BEGINNING WORK PRIOR TO START OF ANY WORK.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING EXISTING CONDITIONS OF SURROUNDING PROPERTIES AND TO MAINTAIN THE PROPERTY OF THE SAME. ANY DAMAGE IS TO BE REPAIRED BY THE CONTRACTOR.
 - ALL INFORMATION AND MATERIAL SHALL MEET OR EXCEED THE LATEST STANDARDS OF THE MUNICIPALITY AND THE LATEST STATE STANDARDS AND SPECIFICATIONS PUBLISHED FOR ROAD AND ROAD CONSTRUCTION.
 - CONTRACTOR SHALL OBTAIN NECESSARY PERMITS FOR EXISTING UTILITY LOCATIONS.
 - ALL UTILITIES AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO START OF CONSTRUCTION.
 - CONTRACTOR SHALL OBTAIN NECESSARY PERMITS FOR EXISTING UTILITY LOCATIONS.
 - ALL CONTRACTORS SHALL ADHERE TO ALL CONDITIONS OF CONSTRUCTION APPROVALS.
 - ALL UTILITIES SHALL BE PROTECTED AND SHALL REMAIN OPEN TO THE PUBLIC.
 - ALL CONTRACTORS SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES.
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- CONSTRUCTION SEQUENCE**
- THE PROPOSED LAND DISTURBANCE AND CONSTRUCTION WILL BE COMPLETED IN THE FOLLOWING ORDER:
- INSTALL ALL EROSION & SEDIMENT (E&S) CONTROL MEASURES ON SITE AND OFF SITE IF NECESSARY.
 - CLEAR PROPERTY: STRIP, REMOVE AND STOCKPILE TOPSOIL TO DESIGNATED PROTECTED AREA.
 - EXCAVATE AREA FOR FOUNDATION, STOCKPILE MATERIAL TO DESIGNATED PROTECTED AREA.
 - POUR FOUNDATION, INSTALL SITE UTILITIES AND STORMWATER FACILITIES.
 - RE-GRADE, RE-LEAK & SEED SITE AND COMPLETE FINAL SITE LANDSCAPING.
 - CHECK & MAINTAIN ALL E&S CONTROL MEASURES THROUGHOUT CONSTRUCTION OF PROJECT. ONLY REMOVE WHEN SITE HAS BEEN STABILIZED AND ALL FINAL LANDSCAPING IS COMPLETE.

- GENERAL LANDSCAPING NOTES:**
- ALL DISTURBED AREAS ARE TO BE REVEGETATED AS SOON AS POSSIBLE. ALL BANKS AND SLOPING AREAS ARE TO RECEIVE A MINIMUM OF 4" OF CLEAN TOPSOIL, SEED AND FERTILIZER. LEVEL AREAS TO RECEIVE 4" MIN. OF CLEAN TOPSOIL, SEED AND FERTILIZER. SEED AND SOIL SHALL CONSIST OF A BLEND OF ADAPTIVE/BLUE GRASSES. PLANT BY SURPLUS SPECIFICATIONS.
- SEED SHALL BE APPLIED AS NECESSARY.
 - USE OF MATT OR STRAW MULCH DURING SLOPE STABILIZATION IN CONJUNCTION WITH TEMPORARY SEEDING. APPLY MULCH AT A RATE OF 75 TO 100 LBS PER 1000 SQUARE FEET.
 - CONTRACTOR TO MAINTAIN TREE REMOVAL AT A MINIMUM.
 - STOCKPILE ALL EXPOSED TOPSOIL FOR LATER USE. THE LOCATION IS TO BE APPROVED BY THE ENGINEER. MULCH AND TEMPORARY SEED THE STOCKPILE.
 - REMOVE ALL ROCKS 1" OR LARGER IN PLANTING AREA.
 - ALL CLEARING SHALL CONFORM TO THE LIMITS AS SHOWN ON PLANS. CLEARING LIMITS ARE TO BE MAINTAINED IN THE FIELD BY THE ENGINEER.

STORMWATER MANAGEMENT DESIGN CALCULATIONS

AREA REQUIRED FOR WATER QUALITY VOLUME (WQV):
HOUSE = 1,050 SF

SEDIMENT:
REQUIRED WATER QUALITY VOLUME (WQV) = 1,050 SF x 1" = 87.5 CF
PROVIDE TWO (2) DRYWELLS:

- DRYWELL SIZING:
USING 4' x 4' x 4' DEEP PRECAST CONCRETE DRY WELL WITH 12" STONE AROUND
OVERALL VOLUME = 4' x 4' x 4' = 64 CF
DRY WELL VOLUME = 4' x 4' x 4' = 64 CF
VOLUME STONE = 180 CF
VOID SPACE IN STONE = 116 CF x 0.33 = 40.6 CF
CAPACITY OF ONE (1) DRY WELL = 64 CF + 40.6 CF = 104.6 CF
(SEE SITE PLAN FOR LOCATIONS)

WATER QUALITY DESIGN IS BASED ON RECOMMENDATIONS AND PROCEDURES AS DEFINED AND AS REQUIRED IN MINIMUM STANDARD 11. IN THE LATEST EDITION OF THE DESIGN AND INSTALLATION MANUAL (REVISIONS).

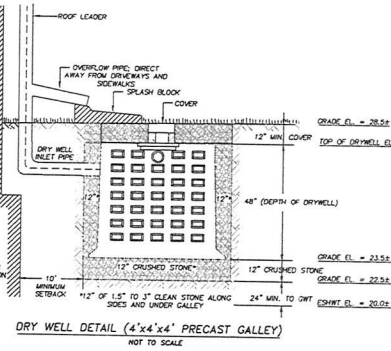
THE RECOMMENDATIONS AND PROCEDURES OF THE DESIGN AND INSTALLATION MANUAL (REVISIONS) SHOULD BE INCORPORATED INTO THE CONSTRUCTION PRACTICES ON SITE.

EROSION AND SEDIMENTATION CONTROL CONSTRUCTION NOTES:

- EROSION AND SEDIMENTATION (E&S) CONTROL SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF WORK ALONG THE LIMITS OF DISTURBANCE (EOD) AS SHOWN ON THE SITE PLAN AND DETAILS.
- CRITICAL AREAS SUCH AS WETLAND AREAS, SLOPED AREAS SHALL BE PROTECTED AS PER PLAN AND IN THE PRESENCE OF WETLANDS PER THE CONDITIONS OF THE DRINKING WATER ACT AND/OR OTHER FEDERAL ACTS.
- ALL E&S CONTROLS SHALL BE FULLY MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION AND SHALL BE REMOVED IMMEDIATELY UPON COMPLETION OF CONSTRUCTION. E&S CONTROLS ARE TO BE PROTECTED FROM ALL PRECIPITATION EVENTS THAT EXCEED 0.5" OF RAINFALL. IF 0.5" OR MORE OF RAINFALL OCCURS, THE CONTRACTOR SHALL IMMEDIATELY REPAIR AND REINSTATE ALL E&S CONTROLS. E&S CONTROLS SHALL BE IMMEDIATELY REPAIRED. ANY FILL MATERIAL THAT IS PLACED ON OR ADJACENT E&S CONTROLS SHALL BE IMMEDIATELY REMOVED.
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- ALL EXPOSED SLOPES INCLUDING SLOPES OF MATERIAL SHALL RECEIVE TEMPORARY SEDIMENTATION AND EROSION CONTROLS. THIS WILL INCLUDE LOANING AND SEEDING, MULCHING, MATS, ETC. TO STABILIZE THE SLOPES. THIS WILL INCLUDE LOANING AND SEEDING, MULCHING, MATS, ETC. TO STABILIZE THE SLOPES.
- ALL DRAINAGE STRUCTURES SHALL BE SURROUNDED BY MULCHES TO PREVENT INFILTRATION OF SEDIMENTS.
- SHOULD SEDIMENTS ENTER A CRITICAL AREA (WETLAND, BUFFER AREA OR AVOIDANT PROPERTY), THE CONTRACTOR SHALL IMMEDIATELY CLEAN AND RESTORE THE AFFECTED AREA.
- ALL DISTURBED SLOPES OTHER THAN EXPOSED SLOPES SHALL BE PROTECTED PRIOR TO OCTOBER 15 OF ANY CALENDAR YEAR SHALL BE SEED OR PROTECTED BY THAT DATE. ANY AREAS THAT DO NOT HAVE ADEQUATE WETLAND STABILIZATION BY NOVEMBER 15 OF THE SAME YEAR MUST BE ESTABLISHED BY INSTALLING EROSION CONTROL MATTING, MULCH OR COVERINGS.
- THE CONTRACTOR IS RESPONSIBLE FOR PROPER EROSION CONTROL, BOTH ON AND OFF-SITE AND SHALL UTILIZE EROSION CONTROL MEASURES WHERE NEEDED, REGARDLESS OF WHETHER THE CONTROLS ARE SPECIFIED ON THE SITE PLAN.
- TEMPORARY CONSTRUCTION ACCESS, CHECK DAMS AND STAGING AREAS WILL BE INSTALLED, WHEN DEMANDING WORK WILL BE DEGRADED.
- ROCKES SHALL BE EXCAVATED AND BANK STABILIZATION INSTALLED ONCE EXCAVATED MATERIALS HAVE BEEN REMOVED.
- TEMPORARY CONSTRUCTION ACCESS, CHECK DAMS AND STAGING AREAS WILL BE INSTALLED, WHEN DEMANDING WORK WILL BE DEGRADED.
- ROCKES SHALL BE EXCAVATED AND BANK STABILIZATION INSTALLED ONCE EXCAVATED MATERIALS HAVE BEEN REMOVED.

SOIL STABILIZATION & PLANTING PROGRAM

- ADAPTABLE PLANTING MATERIALS: LOW = THE NATURAL TO BE FURNISHED SHALL CONSIST OF LOOSE, FERTILE, SANDY LOAM OF LOAM TOPSOIL, FREE OF A MATURE OF SODS, ROOTS, STUMPS, ROCKS, BRICKS, NAILS AND OTHER MATERIAL WHICH WOULD PRODUCE THE FORMATION OF A SUITABLE SEED BED.
- SEED MIXTURES = ALL LEGUME SEED SHALL BE INOCULATED WITHIN 24 HOURS BEFORE SOWING AND PLANTING WITH THE APPROPRIATE INOCULUM FOR THE SPECIES TO BE PLANTED. SEED SHALL BE USED WHEN THE DATE LAST PRESCRIBED BY THE MANUFACTURER.
- FOR RELATIVELY FLAT SLOPES:
- | SEED | SEED WEIGHT |
|---------------------------------------|-------------|
| RED FESCUE - CHEVING'S POND/AM | 70 |
| OR CRYSTAL | 70 |
| MONTGOMERY BLUEGRASS | 15 |
| COLONIAL BENTGRASS - ASTON OR CRYSTAL | 10 |
| PERENNIAL PEGGYRASS | 10 |
| - SEEDING RATE = 100 LBS PER ACRE | |
- FOR STEEP SLOPES 3:1 OR GREATER:
- | SEED | SEED WEIGHT |
|---|-------------|
| RED FESCUE - POND/AM OR CRYSTAL | 75 |
| PERENNIAL PEGGYRASS | 15 |
| COLONIAL BENTGRASS - ASTON OR CRYSTAL | 10 |
| BIODIVERSITY PEGGYRASS - ASTON OR CRYSTAL | 10 |
| - SEEDING RATE = 100 LBS PER ACRE | |
- FOR 300 WATERSHEDS, DRAINAGE DITCHES, DRAINAGE BASINS, DRAINAGE NEED GROUES:
- | SEED | SEED WEIGHT |
|-----------------------------------|-------------|
| RED FESCUE - POND/AM OR CRYSTAL | 50 |
| OR CRYSTAL | 50 |
| FALL SEEDING OR REED BARRIERS | 50 |
| - SEEDING RATE = 100 LBS PER ACRE | |
- * USE REED BARRIERS WHERE MOSS IS NOT REQUIRED.



DATE: _____ REVISIONS: _____

SUSAN CAPASSO
No. 7643
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

DAVID D. GARDNER & ASSOCIATES, INC.
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ENGINEERS • SURVEYORS • PLANNERS

SOIL EROSION CONTROL PLAN
CHAPIN AVENUE
WARWICK, R.I.
FOR PETER STEVENS
A.P. 300 LOT 262 & 264

DATE ISSUED: 10/13/23
SCALE: 1" = 20'
DESIGNED BY: D.D.G.
DRAWN BY: S.B.C.
CHECKED BY: D.D.G.
JOB NO.: 22-030
DWG NO.: 22-030 SERC

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SHEET 1 OF 1