

## ESTABLISHMENT OF VEGETATIVE COVER

SLOPES SHALL NOT BE LEFT UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON. THE CONTRACTOR SHALL INITIATE APPROPRIATE VEGETATIVE PRACTICES ON ALL DISTURBED AREAS AS SOON AS POSSIBLE BUT NOT MORE THAN FOURTEEN (14) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY OR PERMANENTLY CEASED, UNLESS THE ACTIVITY IS TO RESUME WITHIN TWENTY-ONE (21) DAYS.

- ALL DISTURBED SLOPES EITHER NEWLY CREATED OR CURRENTLY EXPOSED SHALL BE SEEDED OR
- THE TOPSOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS AND SHALL CONFORM WITH RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, M.20.

4.	THE TEMPORARY SEEDING DESIGN	N MIX SHALL BE COMPRISED OF THE FOLLOWING:	
	TYPE ANNUAL RYEGRASS	% BY WEIGHT 40	

#### THE NEW ENGLAND EROSION CONTROL/RESTORATION SEED MIX SHALL BE COMPRISED OF THE FOLLOWING:

TYPE	% BY WEIGHT
UPLAND BENTGRASS	1.0
CREEPING BENTGRASS	1.0
BIG BLUESTEM	8.0
NEW ENGLAND ASTER	1.0
FOX SEDGE	8.0
VIRGINIA WILD RYE	28.0
BONESET	1.0
GRASS LEAVED GOLDENROD	1.0
CREEPING RED FESCUE	24.0
SOFT RUSH	0.5
SENSITIVE FERN	1.0
SWITCH GRASS	8.0
LITTLE BLUESTEM	15.0
GREEN BULLRUSH	1.0
WOOL GRASS	0.5
BLUE VERVAIN	1.0

#### 6. THE GENERAL PURPOSE SEED MIX SHALL BE COMPRISED URI #2 OF THE FOLLOWING

TYPE	% BY WEI
CREEPING RED FESCUE	40
IMPROVED PERENNIAL RYE GRAS	SS 20
IMPROVED KENTUCKY BLUEGRAS	SS 30
KENTUCKY BLUEGRASS	10

PERENNIAL RYEGRASS

EARLY SPRING OR LATE SUMMER SEEDING IS RECOMMENDED. SEEDING SCHEDULE SHOULD CONFORM WITH RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, L.02.03.1 SEEDING DATES. PERMANENT SEEDING SHALL BE DURING THE APRIL I TO MAY 3I OR AUGUST IS TO OCTOBER IS. TEMPORARY SEEDING MAY BE DONE ANYTIME BETWEEN MARCH IS AND NOVEMBER IS WITH THE APPROVAL OF THE ENGINEER OF RECORD. FERTILIZE AS REQUIRED BY SOIL TESTING TO COMPLIMENT OR UPGRADE EXISTING CONDITIONS. THE SEED MIX SHALL BE INOCULATED WITHIN 24 HOURS AND BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUMS FOR EACH VARIETY.

- TEMPORARY TREATMENTS SHALL CONSIST OF STRAW OR FIBER MULCH OR PROTECTIVE COVERS SUCH AS A MAT OR FIBER LINING. TEMPORARY STRAW MULCH TO BE TACKED IN PLACE WITH NYLON MESH NETTING. SIDE SLOPES OF BASINS SHALL BE TREATED WITH NORTH AMERICAN GREEN EROSION CONTROL BLANKETS SUCH AS SI50 OR APPROVED EQUAL. THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED OR AS ORDERED BY THE ENGINEER. STRAW APPLICATIONS SHALL BE IN THE
- ALL SILT FENCE OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED.
- 9. ALL FILL SHALL BE THOROUGHLY COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WITH RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION PART 200.
- 10. STOCKPILES OF TOPSOIL SHALL NOT BE LOCATED NEAR WATERWAYS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 2:1 AND SHALL BE TEMPORARILY SEEDED AND/OR STABILIZED.
- I. ALL AREAS PROPOSED TO BE VEGETATED THAT ARE DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH PERMANENT SEEDING IMMEDIATELY FOLLOWING FINISH GRADING. PERMANENTLY SEEDED AREAS SHALL BE PROTECTED DURING ESTABLISHMENT WITH MULCH. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STANDARD IS MAINTAINED. WELL ESTABLISHED VEGETATION SHALL BE MAINTAINED. BARE OR ERODED AREAS SHALL BE IMMEDIATELY REPAIRED AND RESEEDED BY THE CONTRACTOR. ACTIVITIES SHALL BE CONFINED TO WITHIN THE LIMIT OF WORK AS SHOWN ON THE
- 12. MAXIMUM PERMANENT GRADED SLOPE WITHIN THE SITE IS TO BE 3:1 UNLESS NOTED OTHERWISE.
- 13. THE CONSTRUCTION SUPERINTENDENT SHALL HAVE OVERALL RESPONSIBILITY FOR PLAN IMPLEMENTATION AND FOR SEEING THAT THE APPROPRIATE WORKERS ARE AWARE OF THE PROVISIONS OF THE PLAN. THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR AND SHALL DO SO AT NO ADDITIONAL EXPENSE TO THE OWNER.
- . REFERENCE THE "RHODE ISLAND SOIL EROSION AND SEDIMENTATION CONTROL HANDBOOK" PREPARED BY THE USDA SOIL CONSERVATION SERVICE, REVISED 2014, AS A GUIDE.

## MAINTENANCE: SHORT TERM / LONG TERM

THE STONE STABILIZATION PADS AT THE SITE ENTRANCE SHALL BE MAINTAINED BY THE CONTRACTOR. THE MAINTENANCE SHALL INCLUDE TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND OR AS DIRECTED BY THE ENGINEER. ALL SEDIMENTS SPILLED, DROPPED, WASHED, OR TRACKED ON THE PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR.

- ALL SILT FENCE, TEMPORARY TREATMENTS (STRAW, ETC.), AND TEMPORARY PROTECTION SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION. SILT FENCE SHALL BE INSPECTED BY THE CONTRACTOR WITHIN 24 HOURS AFTER EACH STORM EVENT OR EVERY 7 DAYS, WHICHEVER COMES FIRST, FOR UNDERMINING AND DETERIORATION. A STORM EVENT SHALL BE DEFINED AS 0.25 INCHES OF RAIN WITHIN A 24-HOUR PERIOD. THE SILT FENCE SHALL BE REPAIRED OR REPLACED AS WARRANTED. THE CONTRACTOR SHALL CLEAN THE ACCUMULATED SEDIMENT IF HALF OF THE ORIGINAL HEIGHT OF THE SILT FENCE BECOMES FILLED IN WITH SEDIMENT. THE SILT FENCE SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED. FOLLOWING CONFIRMATION FROM THE OWNER AND OR THE PROJECT ENGINEER THAT AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER HAS BEEN ESTABLISHED THE SILT FENCE SHALL BE REMOVED.
- THE CONTRACTOR SHALL MAINTAIN ALL TOPSOIL STOCKPILES AND SEDIMENT BARRIERS THROUGHOUT CONSTRUCTION. EXTREME CARE SHALL BE TAKEN TO ENSURE THAT SEDIMENTS DO NOT SPILL OVER THE SEDIMENT BARRIER. SILT FENCE SHALL BE STAKED AROUND THE STOCKPILES.
- 4. ALL DISTURBED SLOPES EITHER NEWLY CREATED OR CURRENTLY EXPOSED SHALL BE SEEDED, PROTECTED, AND MAINTAINED BY THE CONTRACTOR FOLLOWING FINAL GRADING AND CONSTRUCTION. THE CONTRACTOR SHALL CHECK ALL SEEDED AREAS REGULARLY TO SEE THAT A GOOD STAND OF VEGETATION IS MAINTAINED. THE CONTRACTOR MUST REPAIR OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR AND SHALL DO SO AT NO ADDITIONAL EXPENSE TO THE
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND INSPECTION OF THE DRAINAGE BMPS DURING AND UP TO A YEAR AFTER COMPLETION OF CONSTRUCTION AND ACCEPTANCE BY THE OWNER. THE OWNER IS RESPONSIBLE FOR INSPECTIONS AND MAINTENANCE THEREAFTER. THE DRAINAGE BMPS SHALL BE INSPECTED/MAINTAINED AS DETAILED BELOW.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTION, MAINTENANCE AND REPAIR TO ALL DRAINAGE STRUCTURES AND RELATED APPURTENANCES ON SITE DURING CONSTRUCTION AND IMMEDIATELY FOLLOWING CONSTRUCTION FOR A MAXIMUM OF ONE YEAR, OR UNTIL ACCEPTANCE BY THE ENGINEER AND THE OWNER. THE OWNER IS RESPONSIBLE FOR INSPECTIONS AND MAINTENANCE
- . A LEGALLY BINDING AND ENFORCEABLE MAINTENANCE AGREEMENT SHALL BE EXECUTED BETWEEN THE OWNER AND THE RESPONSIBLE AUTHORITY TO ENSURE THE FOLLOWING MAINTENANCE SCHEDULES ARE
- DURING THE FIRST SIX (6) MONTHS OF OPERATIONS, INSPECTIONS SHALL BE ACCOMPLISHED IN EACH DRAINAGE BMP AFTER EVERY RAINFALL EVENT, TO CHECK FOR CLOGGING OR, CONVERSELY, TOO RAPID A STORMWATER RELEASE. FOLLOWING THE SIX (6) MONTHS, INSPECTIONS SHALL BE CONDUCTED, AT A
- ). IF STANDING WATER IS OBSERVED WITHIN THE DRAINAGE BMPS FOR MORE THAN THREE (3) DAYS AFTER A RAINFALL, THEN FAILURE OF THE SYSTEM MAY HAVE OCCURRED AND SHALL BE ADDRESSED THROUGH REPAIR OR REPLACEMENT.
- 10. THE CONSTRUCTION SUPERINTENDENT SHALL HAVE OVERALL RESPONSIBILITY FOR THE MAINTENANCE PROGRAM DURING THE CONSTRUCTION PHASE AND FOR A PERIOD OF ONE YEAR AFTER CONSTRUCTION. THE SUPERINTENDENT SHALL SEE THAT THE APPROPRIATE WORKERS ARE AWARE OF THE PROVISIONS
- AFTER ACCEPTANCE OF THE SITE BY THE OWNER, THE OWNER SHALL HAVE OVERALL RESPONSIBILITY FOR IMPLEMENTING THE MAINTENANCE PROGRAM FOR THE STORMWATER MANAGEMENT PLAN.
- THE RESPONSIBLE PARTY FOR THE STORMWATER MANAGEMENT PROGRAM IS THE OWNER OF THE SITE THE FUNDING FOR THE STORMWATER MANAGEMENT PROGRAM IS BY THE OWNER. IF THE PROPERTY IS SOLD, THE RESPONSIBILITY OF THE STORMWATER MANAGEMENT PROGRAM WILL BE TRANSFERRED TO THE NEW OWNER.

#### THE FOLLOWING MAINTENANCE PROCEDURES MUST BE FOLLOWED FOR THE DRYWELLS

- INFILTRATION PRACTICES SHALL BE INSPECTED ANNUALLY AND REPAIRED IF NECESSARY TO ENSURE
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND INSPECTION DURING AND UP TO A YEAR AFTER COMPLETION OF CONSTRUCTION AND ACCEPTANCE BY THE OWNER. THE OWNER IS RESPONSIBLE FOR INSPECTIONS AND MAINTENANCE THEREAFTER. THE CONTRACTOR'S MAINTENANCE/INSPECTION RESPONSIBILITIES SHALL INCLUDE REPLACING THE STONE WITHIN THE DRYWELL IF STORMWATER REMAINS IN THE DRYWELL LONGER THAN 48 HOURS. THE CONTRACTOR SHALL INSPECT DRYWELLS AFTER EACH STORM GREATER THAN 0.5 INCHES AND REPAIR AS NECESSARY. THE OWNER SHALL INSPECT THE DRYWELL SEMIANNUALLY AND AFTER RAIN FILL EVENTS GREATER THAN ONE INCH. IF REPAIRS ARE NEEDED, THEY SHALL BE CARRIED OUT IMMEDIATELY. REPAIRS ARE NECESSARY IF STORMWATER REMAINS IN THE DRYWELL LONGER THAN 48

#### THE FOLLOWING MAINTENANCE PROCEDURES MUST BE FOLLOWED FOR THE STONE TRENCH:

INFILTRATION PRACTICES SHALL BE INSPECTED ANNUALLY AND REPAIRED IF NECESSARY TO ENSURE

- ASPHALT DRIVEWAY

4" PEA GRAVEI

FILTER LAYER

ANCHORED

PERFORATED

4" PEA GRAVEL

FILTER LAYER

TRENCH FILLED

WITH I I/2" TO 2 I/2"

DIAMETER CLEAN, WASHED

STONE INFILTRATION TRENCH

- 2. ACCUMULATED SEDIMENT AND DEBRIS SHALL BE REMOVED FROM THE SURFACE OF THE INFILTRATION
- 3. THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND INSPECTION DURING AND UP TO A YEAR AFTER COMPLETION OF CONSTRUCTION AND ACCEPTANCE BY THE OWNER. THE OWNER IS RESPONSIBLE FOR INSPECTIONS AND MAINTENANCE THEREAFTER. THE CONTRACTOR'S MAINTENANCE/INSPECTION RESPONSIBILITIES SHALL INCLUDE REPLACING THE STONE WITHIN THE TRENCH IF STORMWATER REMAINS IN THE TRENCH LONGER THAN 48 HOURS. THE CONTRACTOR SHALL INSPECT TRENCH AFTER EACH STORM GREATER THAN 0.5 INCHES AND REPAIR AS NECESSARY THE OWNER SHALL INSPECT THE TRENCH SEMIANNUALLY AND AFTER RAIN FILL EVENTS GREATER THAN ONE INCH. IF REPAIRS ARE NEEDED, THEY SHALL BE CARRIED OUT IMMEDIATELY. REPAIRS ARE NECESSARY IF STORMWATER REMAINS IN THE TRENCH LONGER THAN 48 HOURS.

**OBSERVATION WELL** 

NATIVE SOIL

(W)

TRENCH DEPTH | TRENCH WIDTH

24"

WITH SCREW TOP LID

OVERFLOW BERM

AS NECESSARY

## SEQUENCE OF CONSTRUCTION OF CONSTRUCTION AND STAGING OF LAND DISTURBING ACTIVITIES

- CONTRACTOR IS RESPONSIBLE FOR SOIL EROSION AND SEDIMENT CONTROL (SE & SC) ONSITE. SEQUENCE OF CONSTRUCTION PROVIDED MAY BE MODIFIED AS FIELD CONDITIONS WARRANT WITH PRIOR APPROVAL FROM OWNER OR THEIR REPRESENTATIVE.
- . CONSTRUCTION TO BEGIN IN THE FALL 2022 OR UPON RECEIPT OF ALL NECESSARY APPROVALS.
- SURVEY AND STAKE THE DRAINAGE BMPS (DRYWELLS AND/OR OTHER DRAINAGE FEATURES), DRAIN LINES, AND LIMIT OF SEDIMENTATION BARRIERS/LIMIT OF DISTURBANCE.
- PLACE SEDIMENTATION BARRIERS (SILT FENCE OR APPROVED EQUAL) AS SHOWN ON THE PLANS AND STAKED OUT IN THE FIELD. IN NO CASE IS THE LIMIT OF WORK TO EXTEND BEYOND THE SEDIMENTATION BARRIERS. PLACE BARRIERS AROUND VEGETATED SWALE. NO CONSTRUCTION TRAFFIC IS PERMITTED IN
- INSTALL TEMPORARY SEDIMENTATION CONTROL MEASURES AND DEVICES AS WARRANTED. ALL TEMPORARY CONTROL DEVICES SHALL BE INSTALLED PER THE RHODE ISLAND SOIL EROSION AND SEDIMENTATION CONTROL HANDBOOK
- BEGIN DEMOLITION AND CLEARING AND GRUBBING IN AREA OF THE BUILDING, DRAINAGE BMPS, AND OTHE AREAS AS INDICATED ON THE PLANS. TOPSOIL IS TO BE STRIPPED AND STOCKPILED IN APPROVED LOCATIONS. TOPSOIL STOCKPILES ARE TO BE PROTECTED BY A ROW OF SEDIMENTATION BARRIERS AND COVERED OR TEMPORARILY SEEDED.
- BEGIN CONSTRUCTION OF THE BUILDING FOUNDATION AND STRUCTURE.
- BEGIN CONSTRUCTION OF DRAINAGE BMP'S
- . ONCE THE SITE IS STABILIZED THE DRAINAGE BMPS AND DRAINAGE NETWORK MAY BE BROUGHT ONLINE WITH THE APPROVAL OF THE DESIGN ENGINEER.
- . REMOVE ALL TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES FOLLOWING VEGETATIVE ESTABLISHMENT OF ALL DISTURBED AREAS.

### STRUCTURAL MEASURES

- RUNOFF WATER QUALITY IS IMPROVED UTILIZING A DRYWELL AND STONE INFILTRATION TRENCH. CONSTRUCTION OF THE BMPS SHALL BE SUPERVISED BY THE PROJECT ENGINEER.
- A STONE STABILIZATION PAD IS LOCATED AT THE SITE ENTRANCE TO REDUCE THE TRACKING OR FLOWING OF SEDIMENT ONTO THE PUBLIC RIGHT OF WAY.
- SILT FENCE SHALL BE INSTALLED DOWNSTREAM OUTSIDE THE LIMITS OF ANY PROPOSED CONSTRUCTION AS SHOWN ON THE SITE PLANS AND PRIOR TO THE COMMENCEMENT OF THE PROPOSED ALTERATION.
- IF NECESSARY, TEMPORARY BERMS AND / OR SWALES SHALL BE USED DURING CONSTRUCTION TO DIRECT SURFACE TO TEMPORARY SEDIMENTATION TRAPS TO CAPTURE AND TREAT THE MAXIMUM AMOUNT OF STORM WATER
- THE DRYWELL AND STONE INFILTRATION TRENCH AREAS ARE NOT TO BE USED AS SEDIMENTATION TRAPS DURING CONSTRUCTION AND SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES (I.E. HEAVY MACHINERY) TO PREVENT COMPACTION. THE CONTRACTOR SHALL CONSTRUCT ANY SEDIMENTATION TRAPS WHICH ARE REQUIRED TO MEET ALL GUIDELINES IN THE RHODE ISLAND SOIL EROSION SEDIMENT
- THE CONSTRUCTION SUPERINTENDENT SHALL HAVE THE OVERALL RESPONSIBILITY FOR STRUCTURAL MEASURE IMPLEMENTATION AND FOR SEEING THAT THE APPROPRIATE WORKERS ARE AWARE OF THE
- REFERENCE THE "RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK" PREPARED BY THE USDS SOIL CONSERVATION SERVICE, REVISED 2014, AS A GUIDE.
- . INSTALL ROOF LEADERS TO DIRECT STORMWATER TOWARDS THE DRYWELL.

## NON-STRUCTURAL MEASURES

CONSTRUCTION TRAFFIC SHALL BE LIMITED TO THE ACCESS ROAD, UTILITY EASEMENTS AND AREAS TO BE

TOPSOIL SHALL BE STRIPPED FROM AREAS TO BE GRADED AND STOCKPILED FOR LATER USE. STOCKPILE LOCATION SHALL BE SUBJECT TO APPROVAL BY THE PROJECT ENGINEER. A SEDIMENT BARRIER SHALL SURROUND ALL TOPSOIL STOCKPILES.

- ALL TYPES OF WASTE GENERATED AT THE SITE SHALL BE DISPOSED OF IN A MANNER CONSISTENT WITH STATE LAW AND TOWN REGULATIONS. CONSTRUCTION DEBRIS SHALL BE DISPOSED OF DAILY TO AVOID
- . THE CONSTRUCTION SUPERINTENDENT SHALL HAVE OVERALL RESPONSIBILITY FOR PLAN IMPLEMENTATION OF NON-STRUCTURAL MEASURES AND FOR SEEING THAT THE APPROPRIATE WORKERS ARE AWARE OF THE PROVISIONS OF THE PLAN.
- REFERENCE THE "RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK" PREPARED BY THE USDA SOIL CONSERVATION SERVICE, REVISED 2014, AS A GUIDE.

CONTRACTOR TO GRADE DRIVEWAY AWAY FROM STRUCTURE'S FOUNDATION AND

DEVELOPMENT

SIZING DATA
SOIL CONDITIONS: SANDY

TRENCH SIZING RATIO =

TRENCH DEPTH: 24 INCHES

INFILTRATION TRENCH AREA PROVIDED = 119 SF

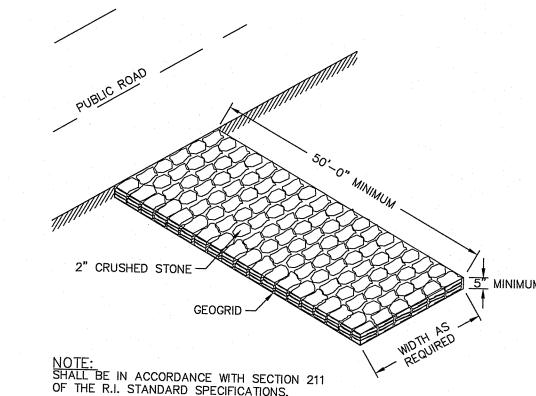
INFILTRATION TRENCHES SIZED USING TABLE 10 OF THE STATE OF RHODE ISLAND

STORMWATER MANAGEMENT GUIDANCE FOR INDIVIDUAL SINGLE-FAMILY RESIDENTIAL LOT

96 SF (TRENCH SURFACE AREA)

1,000 SF (IMPERVIOUS SURFACE AREA)

= 116 SF TRENCH REQUIRED



R.I. STANDARD

9.2.0

HEAVY-DUTY CORD SEWN IN SILT

FENCE FABRIC (TOP AND BOTTOM)

EVERY OTHER SILT FENCE POST)

COMPACTED BACKFILL

-FINISH GRADE

IN TRENCH

-FILTER FABRIC

BURY FLAP OF FILTER

FABRIC IN BOTTOM OF TRENCH

(SEE DETAIL "A" FOR TOP CORD FOR

LIMIT OF CLEARING

AREA OF DISTURBANCE

2'-6" MINIMUM

1'-0" MINIMUM

PROTECTED AREA

METAL CONNECTOR

2"x2"x4'-6" (MAXIMUM)

SUPPORT NETTING (HEAVY

EXISTING GRADE -

Silt Fence Detail

DUTY PLASTIC MESH)

(SEE NOTE 2)

CABLE 1/8"ø (MINIMUM)

OAK POST DRIVE IN TRENCH-

**Construction Access** 

4" DIA OBSERVATION WELL (2) 6" PERFORATED 4" DIA OBSERVATION WELL WITH 4" DIA ATRIUM GRATE

NOTES:

1. SHALL BE IN ACCORDANCE WITH SECTION 206 OF THE R.I. STANDARD

2. 2"x2"x4'-6" (MAXIMUM) OAK POSTS FOR SILT FENCE SHALL BE LOCATED

3. 1"x1"x4'-6"(MINIMUM) POSTS PERMITTED FOR PRE-FABRICATED SILT

4. SILT FENCE SHALL BE INSTALLED BEFORE ANY GRUBBING OR EARTH

EXCAVATION TAKES PLACE.

8'-0" (MAXIMUM) O.C. IN WETLAND AREAS AND 4'-0" (MAXIMUM) O.C. IN

AND LOOP

POST

SILT FENCE FABRIC

DETAIL "A"

CABLE OVER

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

OFFICE OF WATER RESOURCES

FRESHWATER WETLANDS PROGRAM

APPROVED WITH CONDITIONS AS

NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL

APPROVED PLANS MUST BE AT CONSTRUCTION SITE

WETLAND RAVINE. GULLY OR DROP-OFF AREAS AS SHOWN ON PLANS.

HOUSE DRYWELL DETAIL (PLAN) NOT TO SCALE

# CONSTRUCTION, MAINTENANCE & INSPECTION NOTES:

- I. ROOF LEADERS ARE TO TIE INTO PROPOSED DRYWELLS
- 2. DRYWELL AREA TO BE STAKED, MARKED, AND REMAIN <u>UNDISTURBED</u> PRIOR TO CONSTRUCTION. THERE IS TO BE NO CONSTRUCTION TRAFFIC ON DESIGNATED AREA PRIOR TO CONSTRUCTION.
- 3. DRYWELLS TO BE LOCATED DOWNGRADIENT OF THE BUILDING WITH A MINIMUM OF 10'
- SEPARATION TO THE FOUNDATION.
- 4. UNDER NO CIRCUMSTANCES MAY DRYWELLS BE INSTALLED UPGRADIENT OF A BUILDING.
- 5. PLACE FILTER FABRIC ON SIDES OF TRENCH AND FILL WITH CRUSHED, WASHED STONE.
- 6. OVERLAP FILTER FABRIC ON THE TOP OF THE FILTER STONE. BACK FILL WITH CLEAN FILL TO 7. MONITORING OF WATER LEVELS WITHIN THE INSPECTION PORT AT VARIOUS TIME INTERVALS
- AFTER A RAINFALL EVENT WILL INDICATE THE EFFECTIVENESS OF THE SYSTEM. IF WATER IS STANDING IN DRYWELL SYSTEM 72 HOURS AFTER A STORM EVENT, SYSTEM FAILURE HAS OCCURRED AND WILL REQUIRE FLUSHING MAINTENANCE, REPAIR OR REPLACEMENT OF THE
- 8. MAINTENANCE OF ALL DRYWELL AND DRAINAGE COMPONENTS IS THE RESPONSIBILITY OF THE OWNER, INCLUDING MONITORING OF WATER LEVELS AS NECESSARY.

DRYWELLS SIZED USING TABLE 10 OF THE STATE OF RHODE ISLAND STORMWATER MANAGEMENT GUIDANCE FOR INDIVIDUAL SINGLE-FAMILY RESIDENTIAL LOT DEVELOPMENT

2. GROUNDWATER TABLE DATA: TEST HOLES COMPLETED BY AVIZINIS ENVIRONMENTAL SERVICES, INC. ON DECEMBER 27, 2021 GROUNDWATER SEEPAGE: 75" DESIGN GWT: 61" FROM EXISTING GRADE, 18" FROM ORIGINAL GRADE.

SIZING DATA
SOIL CONDITIONS: SANDY DRYWELL DEPTH: 24 INCHES GWT DEPTH: SEE NOTE #2 ABOVE DRYWELL SIZING CALCULATION: TOTAL IMPERVIOUS AREA =

SOIL CATEGORY: 3M

DRYWELL SIZING RATIO = 96 SF (DRYWELL SURFACE AREA) 1,000 SF (IMPERVIOUS SURFACE AREA)

241.92 SF = 242 SF DRYWELL REQUIRED DRYWELL AREA PROVIDED = 279 SF

ELEVATION PROPOSED SEASONAL SEPARATION TOP OF AT BOTTOM GRADING HIGH GWT DISTANCE DRYWELL STONE OF ELEVATION ELEVATION (FEET) DRYWELL 358 357.00 353.00

NOT TO SCALE

- SURCHARGE PIPE EMERGENCY OUTLET. EXTEND OBSERVATION WELL PIPE - SPLASH BLOCK I" ABOVE FINAL GRADE AND INSTALL 4" DIA ATRIUM GRATE CONTRACTOR TO ENSURE — MINIMUM 2% PITCH AWAY FROM EMERGENCY OUTLET -TOP ELEVATION - FILTER FARRIC FILTER FABRIC OBSERVATION WELL 4" DIA PERFORATED -BUILDING FOUNDATION BOTTOM ELEVATION NO FILTER FABRIC ON BOTTOM OF DRYWELL

> HOUSE DRYWELL DETAIL (PROFILE) NOT TO SCALE HOUSE DRYWELL DETAIL

GRADE AWAY

- FROM BUILDING

AT 2% MINIMUM

PROFESSIONAL ENGINEER CIVIL

JASON P. CLOUGH

REGISTERED

Engineerin

lice of Water Resource

DRIVI LOT 62 EECHWOOD SSESSOR'S PLAT 34