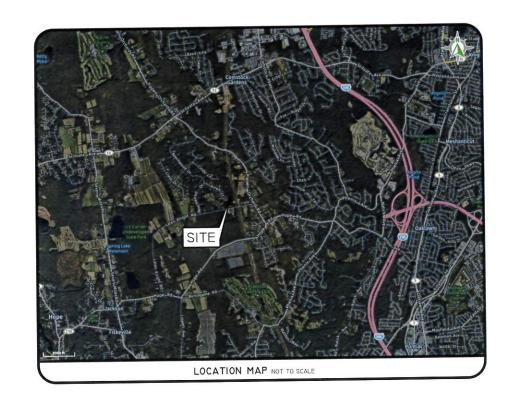
# COMBINED MASTER/PRELIMINARY SUBMISSION

# ORCHARD MEADOWS

1489 PIPPIN ORCHARD ROAD CRANSTON, RHODE ISLAND

ASSESSOR'S PLAT 28 LOTS 31 & 45



# SHEET INDEX

- I COVER SHEET
- 2 AERIAL HALF MILE RADIUS
- 3 EXISTING CONDITIONS PLAN
- 4 OVERALL SITE LAYOUT PLAN
- 5 SESC PLAN
- 6 GRADING AND UTILITIES PLAN
- 7 DETAIL SHEET |
- 8 DETAIL SHEET 2

DiPrete Engineering

Two Stafford Count Censton, Rio 2920
tel 401-943-1000 fax 401-464, 6006 www.diprete-eng.com

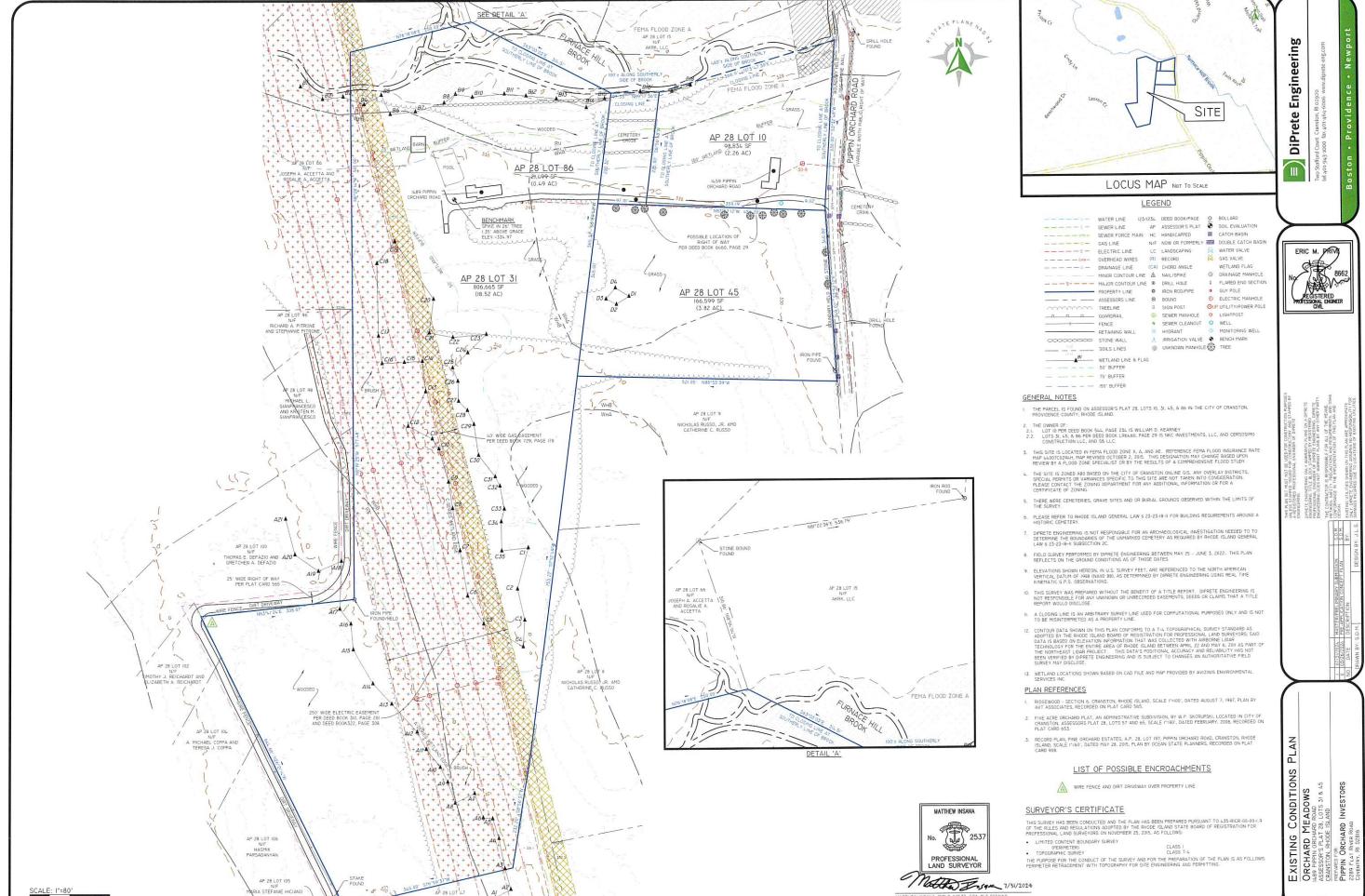


SIGNED FOR ESSONAL BEIGHTER OF DIPPET E ALTERIO, CONT. WARRANT SAG ON DIPPETE GENNO, THE BLOCK TANNERS DIP RECEITED GENNO, THE CONT. THE SAG ON THE PETE GENNO, THE CONT. THE SAG ON THE SAG ON FERRAL CONT. THE SAG ON THE SAG ON THE SAG ON GENNO, THE THE SAG ON THE SAG ON THE SAG ON SAG ON THE SAG ON T

0.179/2024 PRE-APPLIANARY SUBMISSION O 0.179/2024 PRE-APPLIALION CONCEPT PLAN

VER SHEET
CHARD MEADOWS
IPPIN ORCHARD ROAD
SSORYS BLAT 78, LOTS 31 8, 45
TITON, RHODE 1SLAND

STREET INDEX:



Α.	DITTENSIONAL REGOLATIONS			
N.	CURRENT ZONING:	A80 REQUIRED	RPD (SINGLE FAMILY) AS REQUIRED FROM A20	
	MINIMUM LOT AREA:	80,000 SF 200'	20,000 SF 125'	
	MINIMUM FRONTAGE AND LOT WIDTH: MINIMUM FRONT AND CORNER SIDE YARD:	40'	20.	
A MA	MINIMUM SIDE YARD:	20"	15'	
	MINIMUM REAR YARD:	100.	50'	
	MAXIMUM STRUCTURE HEIGHT:	35"	35	
A.	MAXIMUM LOT COVERAGE:	10%	20%*	

TOTAL SITE AREA: AREA SUITABLE FOR DEVELOPMENT:	22.3± ACRE 10.2± ACRES
TOTAL NUMBER OF LOTS:	5
PROPOSED SINGLE FAMILY HOMES (LOTS 1-4)	4
TOTAL LOT AREA:	9.6± ACRES
TOTAL LOT AREA SUITABLE FOR DEVELOPMENT:	7.4± ACRES
AVERAGE LOT AREA:	1.9± ACRES
*PUBLIC OPEN SPACE REQUIRED:	
TOTAL SITE AREA (22.3 ACRES) * 0.25 =	5.6± ACRES
PUBLIC OPEN SPACE (SUITABLE FOR DEVELOPMEN	IT) REQUIRED:
TOTAL SITE AREA (22.3 ACRES) * 0.125 =	2.8± ACRES

PROVIDED
TOTAL PUBLIC OPEN SPACE AREA:
PUBLIC OPEN SPACE AREA SUITABLE FOR DEVELOPMENT: 2.8± ACRES

## RELIEF TO BE REQUESTED

I. MINIMUM LOT AREA AS REQUIRED FOR THE ABO ZONE FOR PROPOSED LOTS 1-4.

Ru RUMNEY FINE SANDY LOAM

### LEGEND

	WATER LINE 123/	1234	DEED BOOK/PAGE	0	BOLLARD
	SEWER LINE	AP	ASSESSOR'S PLAT	0	SOIL EVALUATION
SFM-	SEWER FORCE MAIN	HC	HANDICAPPED	1	CATCH BASIN
	GAS LINE	N/F	NOW OR FORMERLY	2402	DOUBLE CATCH BASIN
	ELECTRIC LINE	LC.	LANDSCAPING	Ď	WATER VALVE
	OVERHEAD WIRES	(R)	RECORD	54	GAS VALVE
	DRAINAGE LINE	(CA)	CHORD ANGLE	<b>▲</b> B-I	WETLAND FLAG
308	MINOR CONTOUR LINE	A	NAIL/SPIKE	0	DRAINAGE MANHOLE
(310)	MAJOR CONTOUR LINE	0	DRILL HOLE	a	FLARED END SECTION
+(312)	SPOT ELEVATION	0	IRON ROD/PIPE		GUY POLE
	PROPERTY LINE	•	BOUND	<b>(E)</b>	ELECTRIC MANHOLE
	PROPOSED LOT LINE	Θ	SIGN POST	OUF	UTILITY/POWER POLE
	ASSESSORS LINE	9	SEWER MANHOLE	草	LIGHTPOST
0000000	TREFLINE		SEWER CLEANOUT	0	WELL
	GUARDRAIL	Q	HYDRANT	0	MONITORING WELL
	FENCE	X	IRRIGATION VALVE	*	BENCH MARK
	RETAINING WALL		UNKNOWN MANHOLE	*	TREE
	STONE WALL				
_ACI _ACZ	FLAGGED WETLAND				
	50' PERIMETER WETL	AND			
	75' WETLAND BUFFER				
	ASPHALT PAVEMENT				
	SETBACK LINE				
30' SIDE SETBACK	SETBACK LABEL				
HKC CAD	SOIL LINE AND DESIGNATION				

\_\_\_\_\_ LIMIT OF DISTURBANCE

OVERALL SITE LAYOUT PLAN
ORCHARD MEADOWS
ILGO PIPPIN ORCHARD ROAD
GRASESSORY STAT 28, LOTI'S 318 4.5
GRANSTON, RHODE ISLAND
PIPPIN ORCHARD INVESTORS
2269 FLAIT RIVER ROAD

DiPrete Engineering

ERIC M. PRIVE

DIMENSIONAL REGULATIONS:

PROVISIONS SHALL BE MADE TO INSURE THAT NO MORE THAN TWENTY (20) PERCENT OF THE OPEN SPACE SHALL BE DEVOTED TO PAYED AREAS AND PERMITTED RECREATION RELATED STRUCTURES. OPEN SPACE WITHIN THIS PROJECT WILL BE LEFT UNDISTURED.

## DEVELOPMENT DATA:

	22.3± ACRES 10.2± ACRES
TOTAL NUMBER OF LOTS: PROPOSED SINGLE FAMILY HOMES (LOTS I-4)	5
TOTAL LOT AREA: TOTAL LOT AREA SUITABLE FOR DEVELOPMENT:	9.6± ACRES 7.4± ACRES 1.9± ACRES
*PUBLIC OPEN SPACE REQUIRED:	
TOTAL SITE AREA (22.3 ACRES) * 0.25 = PUBLIC OPEN SPACE (SUITABLE FOR DEVELOPMENT)	5.6± ACRES REQUIRED:
TOTAL SITE AREA (22.3 ACRES) * 0.125 =	2.8± ACRES

OPEN SPACE IS ONLY REQUIRED FOR RPD PROJECTS, ALTHOUGH THE MINIMUM OPEN SPACE WILL STILL BE PROVIDED AS A PART OF THIS APPLICATION.

2. MINIMUM FRONTAGE AS REQUIRED IN THE ABO ZONE FOR PROPOSED LOTS 1-4.

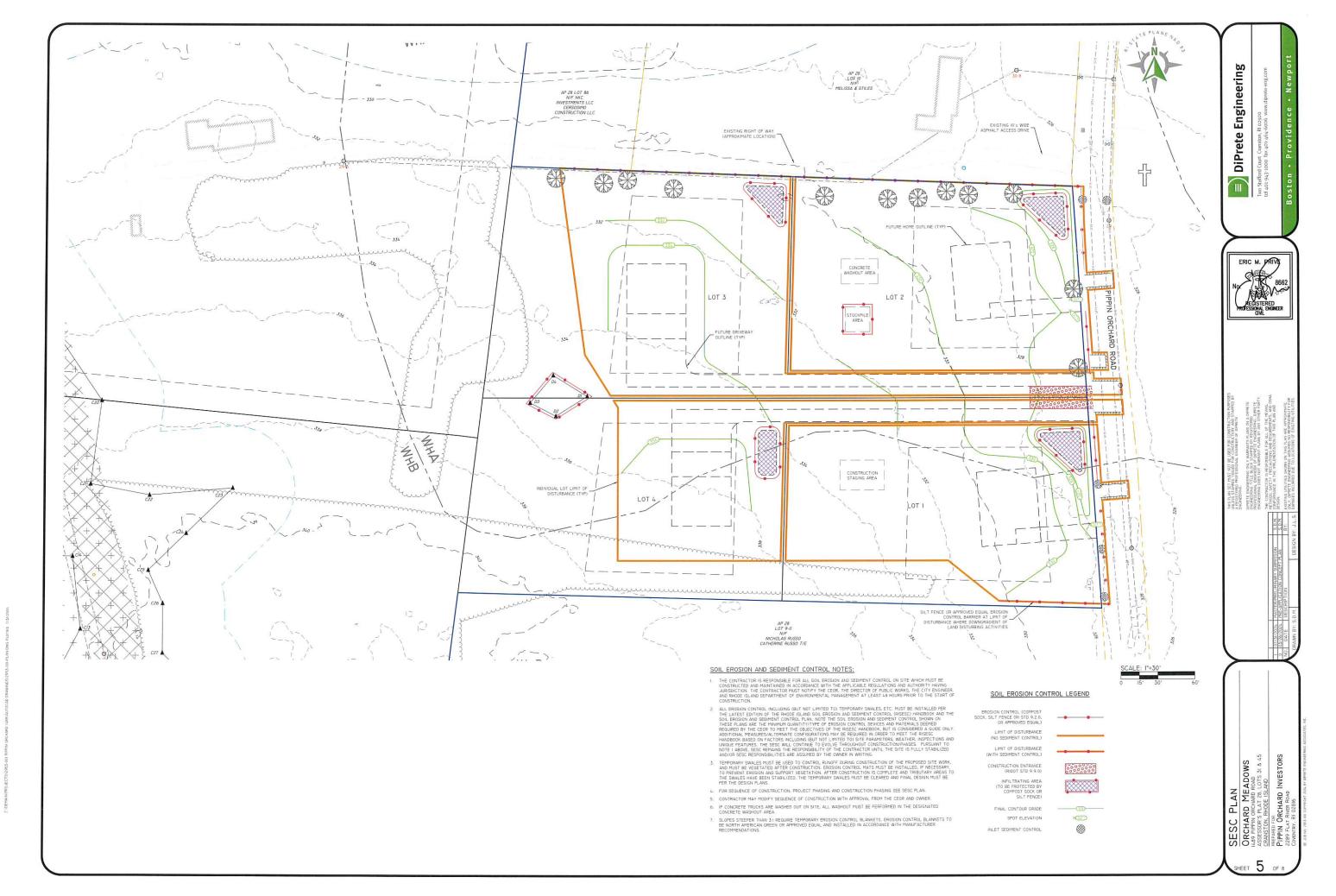
## SOIL INFORMATION:

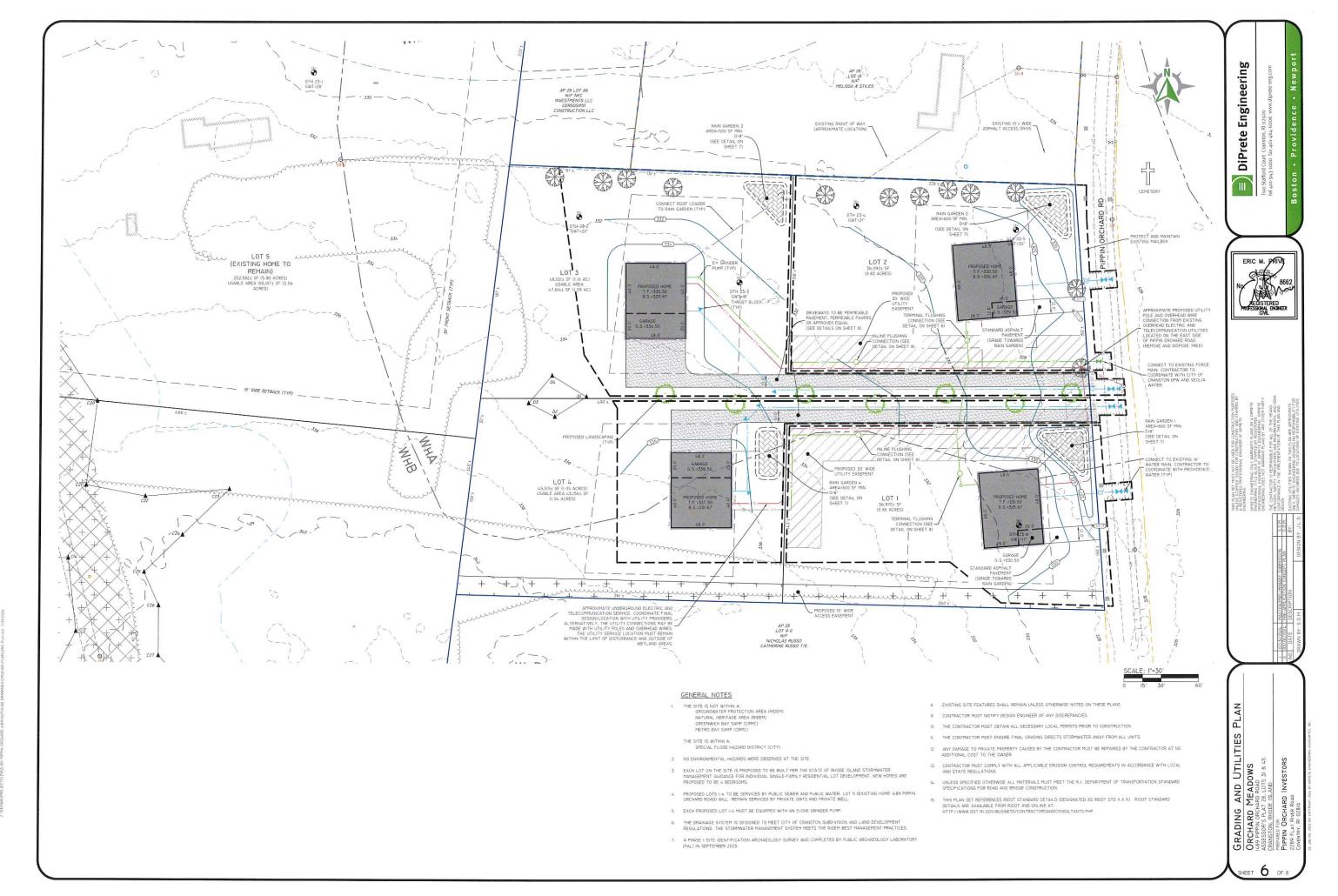
EFA\* ENFIELD SILT LOAM, 0 TO 3 PERCENT SLOPES

RIDGEBURY, WHITMAN, AND LEICESTER EXTREMELY STONY FINE SANDY LOAMS

WHA\* WOODBRIDGE FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES WHB\* WOODBRIDGE FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES

NOTE: \*PRIME FARMLAND
\*\*FARMLAND OF STATEWIDE IMPORTANCE





- ALL DISTURBED SLOPES EITHER NEWLY CREATED OR CURRENTLY EXPOSED SHALL BE SEEDED OR PROTECTED.
- 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 MIX SHALL BE COMPRISED OF THE FOLLOWING:

TYPE	% BY V
ANNUAL RYEGRASS	40
PERENNIAL RYEGRASS	60

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

TYPE	% BY WE
UPLAND BENTGRASS	1.0
CREEPING BENTGRASS	1.0
BIG BLUESTEM	8.0
NEW ENGLAND ASTER	1.0
FOX SEDGE	B.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

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

TYPE	% BY WEIG
CREEPING RED FESCUE	40
IMPROVED PERENNIAL RYE GRASS	20
IMPROVED KENTUCKY BLUEGRASS	30
KENTUCKY BLUEGRASS	10

EARLY SPRING OR LATE SUMMER SEEDING IS RECOMMENDED. SEEDING SCHEDULE SHOULD CONFORM WITH HOUSE ISLAND DEPARTMENT OF TRANSFORTATION STANDARD SPECIFICATIONS FOR ROAD AND PROPERTY OF THE STANDARD SPECIFICATION OF THE ENGINEER OF RECORD ANY THE BUSINESS OF RECORD ANY THE STANDARD SPECIFICATION OF THE ENGINEER OF RECORD SPECIFICATION OF THE STANDARD SPECIFICATION OF TH

- TEMPORARY TREATMENTS SHALL CONSIST OF STRAW OR FIBER MULCH OR PROTECTIVE COVERS SUC A MAT OR FIBER LINING. TEMPORARY STRAW MULCH TO BE TACKED IN FLACE WITH NYLOW NETTING. SIDE SLOPES OF BASING SHALL BE TREATED WITH NORTH AMERICAN GREEN EROSSION ON CONTROL BLANKETS SUCH AS SIDS OR APPROVED COURL. THEY SHALL BE INCORPORATED INTO WORK AS WARRANTED OR AS CORPETED BY THE CHORDER. STRAW APPLICATIONS SHALL BE IN THE
- ALL SILT FENCE OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND ( GRASS OR APPROVED GROUND COVER IS ESTABLISHED.
- ALL FILL SHALL BE THOROUGHLY COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WII ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION PART 200.
- STOCKPILES OF TOPSOIL SHALL NOT BE LOCATED NEAR WATERWAYS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 2:I AND SHALL BE TEMPORARILY SEEDED AND/OR STABILIZED.
- ALL AREAS PROPOSED TO BE VEGETATED THAT ARE DISTURBED BY CONSTRUCTION SHALL BE STABLIZ WITH PERMANENT SEEDING IMMEDIATELY FOLLOWING FINISH GRADING. PERMANENTLY SEEDED AREAS SHALL BE FROTECTED DURING SETABLISHMEN WITH MILLOL. ALL SEEDED AREAS SHALL BE CONSTRUCTED OF STABLISHMEN WITH MILLOL. ALL SEEDED AREAS SHALL BE CONSTRUCTED OF STABLISHMEN SHALL BE MAINTAINED. WELL ESTABLISHED VEGETATION SHALL BE MAINTAINED BARE OR REDOED BARE SHALL BE IMMEDIATELY PREPARED AND RESERDED BY HE CONTRACTOR. ACTIVITIES SHALL BE CONFINED TO WITHIN THE LIMIT OF WORK AS SHOWN ON THE PLANS.
- MAXIMUM PERMANENT GRADED SLOPE WITHIN THE SITE IS TO BE 3:1 UNLESS NOTED OTHERWISE.
- THE CONSTRUCTION SUPERINTENDENT SHALL HAVE OVERALL RESPONSIBILITY FOR PLAN IMPLEMENT AND FOR SEEING THAT THE APPROPRIATE WORKERS ARE AWARE OF THE PROVISIONS OF THE PLAN. CONTRACTOR MUST BEFARE AND/OR RESEED BY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD ONE YEAR AND SHALL DO SO AT NO ADDITIONAL EXPENSE TO THE OWNER.

### 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 CONDITIONS DEMAND OR AS DIRECTED BY THE ENGINEER. ALL SEDIMENTS SPILLED, DROPPED, WASHED OR TRACKED ON THE PUBLIC MONTACTOR WAS THE CONTRACTOR.
- ALL BLIT FEMCE, TEMPORARY TREATHENTS (STRAM, ETC.), AND TEMPORARY PROTECTION SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHDAT CONSTRUCTION. SLIT FREE SHALL BE INSPECTED MAINTAINED BY THE CONTRACTOR THROUGH AND FOR THE CONTRACTOR WITHING A HOUSE AT THE BLACK STORM EVENT OR EVERY TO ANY, SWIGHE-VER, COME FIRST, FOR UNDERHORING AND DETERIORATION, A STORM EVENT SHALL BE DEFINED AS 0.25 INCHES FAIN WITHIN A 24-HOUR PREMO. THE SILT FEMCE SHALL BE REPRED OR REFLACED AS WARRANTED THE CONTRACTOR SHALL CLEAN THE ACCUMILATED SEDIMENT IF HALF OF THE ORIGINAL HEIGHT OF THE SILT FEMCE BEALL REMAIN IN PLACE UNITS AND ACCEPTABLE STRAIN OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED. FOLLOWING CONFIRMATION FROM THE OWNER AND OR THE PROJECT HOMISEET HAT ANY ACCEPTABLE STRAIN OF GRASS OR APPROVED GROUND COVER HAS BEEN ESTABLISHED. THE SILT FENCE SHALL BERNAM IN PLACE UNITS.
- THE CONTRACTOR SHALL MAINTAIN ALL TOPSOIL STOCKPILES AND SEDIMENT BARRIERS T CONSTRUCTION, EXTREME CARE SHALL BE TAKEN TO ENSURE THAT SEDIMENTS DO NOT THE SEDIMENT BARRIER. SILT FENCE SHALL BE STAKED AROUND THE STOCKPILES.
- ALL DISTURBED SLOPES EITHER NEWLY CREATED OR CURRENTLY EXPOSED SHALL BE SEEDED, PROTECTED, AND MANIANDE BY THE CONTRACTOR POLLOWING FINAL GRADING AND CONSTRUCTION. THE CONTRACTOR SHALL CHECK ALL SEEDED AREAS REGULARLY TO SEE THAT A GOOD STAND OF VEGETATION IS SMANTANED. THE CONTRACTOR MUST REPAIR OR RESEED ANY AREAS THAT DO NOT DEVELOW MUST HE PRIOR OF TOOM YEAR AND SHALL DO SO AT NO ADDITIONAL EXPRESSE 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 AMENTENANCE THEREAFTER. THE DRAINAGE BMPS SHALL BE INSPECTED/MAINTAINED AS DETAILED BELOW.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTION, MAINTENANCE AND REPAIR TO ALL DRAWINGS STRUCTURES AND RELATED APPURTENANCES ON SITE DURING CONSTRUCTION AND IMMEDIATELY FOLLOWING CONSTRUCTION FOR A MAXIMUM OF ONE YEAR, OR UNITL ACCEPTANCE BY THE ENGINEER AND THE OWNER. THE OWNER IS RESPONSIBLE FOR INSPECTIONS AND MAINTENANCE THEREATER.
- A LEGALLY BINDING AND ENFORCEABLE MAINTENANCE AGREEMENT SHALL BE EXECUTED BETWEEN THE OWNER AND THE RESPONSIBLE AUTHORITY TO ENSURE THE FOLLOWING MAINTENANCE SCHEDULES ARE FOLLOWED.
- 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 FROGRAM 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 FOLLOWING MAINTENANCE PROCEDURES MUST BE FOLLOWED FOR THE RAIN GARDENS:

RAIN GARDENS SHALL BE INSPECTED FOLLOWING AT LEAST THE FIRST TWO PREOPITATION EVENTS OF AT LEAST 1.0 NICH TO ENSURE THAT THE SYSTEM IS FUNCTIONING PROPERLY. THEREAFTER, THE RAIN GARDENS SHALL BE MONITORED AND MANIANDE TO ASSURE PROPER FUNCTIONING, PLANT GROWTH, AND SURVIVAL PLANTS SHALL BE REPLACED ON AS-NEEDED BASIS DURING THE GROWING SEASON.

- SILT/SEDIMENT SHALL BE REMOVED FROM THE RAIN GARDENS 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.
- PRUNING OR REPLACEMENT OF WOODY VEGETATION SHALL OCCUR WHEN DEAD OR DYING VEGETATION IS OBSERVED.
- SOIL EROSION GULLIES SHALL BE REPAIRED WHEN THEY OCCUR
- FERTILIZER OR PESTICIDES MUST NOT BE APPLIED TO PLANTS WITHIN RAIN GARDENS.
- 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.

## THE FOLLOWING MAINTENANCE PROCEDURES MUST BE FOLLOWED FOR CRUSHED STONE DRIVEWAYS:

THE SURFACE OF CRUSHED STONE SHALL BE MONITORED AFTER STORMS TO ENSURE IT DRAINS PROPERLY. THE SURFACE SHALL BE INSPECTED ANNUALLY FOR DETERIORATION AND BE REPAIRED AS NEEDED.

- CRUSHED STONE SHALL BE REPLACED OR RE-GRADING PERFORMED AS NECESSARY IN CRUSHED STONE DRIVEWAYS TO MAINTAIN A MINIMUM 3" DEPTH OF STONE AND A LEVEL SURFACE.
- USE OF SAND AND SALT ON CRUSHED STONE DRIVEWAYS SHALL BE MINIMIZED.

# THE FOLLOWING MAINTENANCE PROCEDURES SHALL BE FOLLOWED FOR THE PERMEABLE ASPHALT DRIVEWAYS:

- THE SURFACE OF PERMEABLE ASPHALT SHALL BE MONITORED AFTER STORMS TO ENSURE IT DRAIN PROPERLY. THE SURFACE SHALL BE INSPECTED ANNUALLY FOR DETERIORATION AND REPAIRED AS MEDICE.
- USE OF SAND AND SALT ON PERMEABLE ASPHALT DRIVEWAYS SHALL BE MINIMIZED.
- 5. USE OF SEALANTS ON PERMEABLE ASPHALT DRIVEWAYS IS PROHIBITED.

## 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.
- SURVEY AND STAKE THE DRAINAGE BMPS (RAIN GARDENS AND/OR OTHER DRAINAGE FEATURES) 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 RAIN GARDENS, NO CONSTRUCTION TRAFFIC IS PERMITTED IN THESE AREAS.
- 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 BUILDINGS, DRAINAGE BMPS, AND OTHER 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 SECRED.

- 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 FOLLOW VEGETATIVE ESTABLISHMENT OF ALL DISTURBED AREAS.

## STRUCTURAL MEASURES

- RUNOFF WATER QUALITY IS IMPROVED UTILIZING FOUR RAIN GARDENS AND PERMEABLE DRIVEWAYS. 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 CONSTRUCT AS SHOWN ON THE SITE PLANS AND PRIOR TO THE COMMENCEMENT OF THE PROPOSED ALTERATION.
- THE RAIN GARDEN 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 CONTROL HANDBOOK.
- THE CONSTRUCTION SUPERINTENDENT SHALL HAVE THE OVERALL RESPONSIBILITY FOR STRUCTURAL MEASURE IMPLEMENTATION 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 USDS SOIL CONSERVATION SERVICE, REVISED 2014, AS A GUIDE.
- INSTALL ROOF LEADERS TO DIRECT STORMWATER TOWARDS THE RAIN GARDENS.

### NON-STRUCTURAL MEASURES

- CONSTRUCTION TRAFFIC SHALL BE LIMITED TO THE DRIVEWAYS AND AREAS TO BE GRADED.
- 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 EXPOSURE TO PRECIPITATION.
- THE CONSTRUCTION SUPERINTENDENT SHALL HAVE OVERALL RESPONSIBILITY FOR PLAN IMPLEMENTATIO 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.

## UTILITY NOTES

- ALL EXISTING UTILITIES DEPICTED ARE SHOWN ACCORDANCE WITH UTILITY <u>QUALITY LEVEL C</u> AS DEFINED IN CUASCE STANDARD 38-02. (STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBJEMPRACE UTILITY DATA). LATEST REVISION,
- ALL EXISTING UNDERGROUND UTILITIES SHOWN WERE PROVIDED BY DITHERS AND ARE APPROXIMATE ONLY. LOCATIONS MUST BE DETERMINED BY THE FIELD BEFORE EXCAVATION, BLASTING, UTILITY MISTALLATION, BACKFELING, GRADING, PAWEMENT RESTORATION, AND ALL OTHER STEW WORK. ALL UTILITY COMPANIES, FIBILIC AND PRIVATE, MUST BE CONTACTED INCLIDING THOSE IN CONTROL OF UTILITIES OF SHOWN ON THESE DOLUMENTS, CONTACT DIS GASE A MINIMAN OF 72 WORKING HOURS PRIOR TO ANY CONSTRUCTION AT BILL DIS SAFE IN RESPONSIBLE FOR CONTACTING MEMBER UTILITY COMPANIES, DIES SAFE MEMBER UTILITY COMPANIES, DIES SAFE MEMBER UTILITY COMPANIES, DIES SAFE MEMBER UTILITY COMPANIES ARE NOT NOTIFIED BY DIS SAFE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INVESTIGATE AND NOTIFIED BY DIS SAFE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INVESTIGATE AND NOTIFIED BY DIS SAFE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INVESTIGATE AND NOTIFIED BY DIS SAFE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INVESTIGATE AND NOTIFIED BY DIS SAFE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INVESTIGATE AND NOTIFIED BY DIS SAFE.
- PER THE CODE OF FEDERAL REGULATIONS TITLE 29, PART 1926 IT IS THE SITE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ACCURATE UNDERGROUND UTILITY LINE LOCATIONS FROM THE UTILITY COMPANIES, UTILITY OWNERS AND, OR VIA UNDERGROUND UTILITY LOCATION COUPRIENT AS NEEDED TO ESTABLISH ACCURATE LOCATIONS COMPANIES THE OR TO ANY EXCLAVATION. THE USE OF PROFESSIONAL UTILITY LOCATING COMPANIES PRIOR TO ANY EXCLAVATION IS RECOMPANIED.
- DIPRETE ENGINEERING IS NOT A PROFESSIONAL UTILITY LOCATION COMPANY, AND IS NOT RESPONSIBLE FOR UNDERGROUND UTILITIES, DEPICTED OR NOT, EITHER IN SERVICE OR ABANDONED. ANY SIZES, LOCATIONS, EXISTENCE, OR LACK OF EXISTENCE OF UTILITIES SHOWN ON THESE PLANS HOULD BE CONSIDERED APPROXIMATE UNTIL VERHIED BY A PROFESSIONAL UTILITY LOCATION COMPANY, DIPRETE EMPIREERING ASSUMES NO RESPONSIBILITY FOR DAMAGES INCLINERY.

- UTILITY PLAN REFERENCES

  1. WATER INFORMATION DBTANED FROM PROVIDENCE WATER
  2. SEVER INFORMATION OBTANED FROM THE CITY OF CRAISTON.
  3. GAS INFORMATION WOT RECEVED AT THE TIME OF THE SURVEY.
  4. DRAINAGE WHORMATION WOT RECEVED AT THE FINE OF THE SURVEY.
  5. GAS INFORMATION WOT RECEVED AT THE GROUND BY DIMETE ENGINEERING. (SEE SHEET # FOR

- NOTES:

  ALL STOCKPILES MUST BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH SECTION 4-9

  TOCKPILE MANAGEMENT OF THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT
  CONTROL LATEST REVISION.

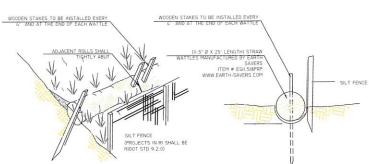
  DIVERT ALL STORMWATER AWAY FROM STOCKPILES.

  DEVERT ALL STORMWATER AWAY FROM STOCKPILES.

  DEVER ALL STORMWATER AWAY FROM STORMWATE
- DIVERT ALL STORMMATER AWAY FROM STOCKPILES.
   SOIL STOCKPILES THAT ARE NOT TO BE USED WITHIN 30 DAYS MUST BE SEEDED AND MULCHED IMMEDIATELY AFTER FORMATION OF THE STOCKPILE WITH SEED HIX COMPATIBLE WITH THE SOIL TYPE.
   STOCKPILE AND SILT FENCE MUST BE INSPECTED AT LEAST ONCE PER WEEN AND AFTER RAIN EVENTS IN EXCESS OF § OF RAINFALL. REPAIRY REPLACE SILT FENCE (AND STOCKPILE COVERS WHERE APPLICABLE) AS NEEDED TO KEEP THEM FUNCTIONING ADEQUATELY.
   SEDIMENT TRAPPED BY SUIT FENCES MUST BE REMOVED AND PROPERLY DISPOSED OF WHENEVER SIGNIFICANT ACCUMULATION OCCURS.

## STOCKPILE PROTECTION

NOT TO SCALE



- NOTES:

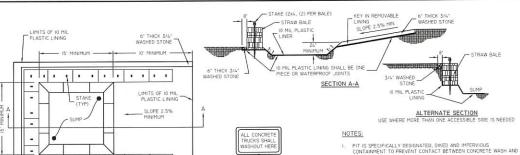
  1. EROSION CONTROL BARRIER TO BE INSTALLED FER MANUFACTURER RECOMMENDATIONS AND SPECIFICATIONS.

  2. FOR SOFT SOILS, DIG A 3 TO 5 INCH TRENCH. FOR HARD SOILS, DIG A 2 TO 3 INCH TRENCH.

  3. INSTALL WOOD STAKES FOR EVERY L' (MAX) OF STRAW WATTLE, AS WELL AS ADDITIONAL WOOD STAKE ON EACH FIRD OF EACH STRAW WATTLE.

  4. MINIMUM WOOD STAKE DIMENSIONS TO BE ITAZ'X2L' (SOFT SOIL) AND ITAZ'X18" (HARD SOIL).

## Silt Fence/Straw Wattle Sediment Barrier



## WASHOUT SIGN CONCRETE WASHOUT AREA

SIZING NOTE:

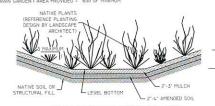
1. RAIN GAMEN'S SIZED USING TABLE 8 OF THE STATE OF RHODE ISLAND STORMWATER MANAGEMENT GUIDANCE FOR INDIVIDUAL SINGLE-FAMILY RESIDENTIAL LOT DEVELOPMENT

SIZING DATA SOIL CONDITIONS: SILTY RAIN GARDEN DEPTH: B INCHES

RAIN GARDEN SIZING CALCULATION (RAIN GARDEN I):

TOTAL IMPERVIOUS AREA = 5,428 SF RAIN GARDEN SIZING RATIO | 1,000 SF (MAIN GARDEN SURFACE AREA) 160 SF = X SF = 549 SF RAIN GARDEN I REQUIRED

. . . . . . . . . . . . .



# RAIN GARDEN CROSS SECTION

RAIN GARDEN SIZING CALCULATION (RAIN GARDEN 2):

CROSS SECTION VIEW

TOTAL IMPERVIOUS AREA = 3,528 SF RAIN GARDEN SIZING RATIO =  $\frac{160}{1,000}$  SF (RAIN GARDEN SURFACE AREA)  $\frac{160}{1,000}$  X SF 1,000 = X SF = 565 SF RAIN GARDEN 2 REQUIRED

ROWATER.

H WATER SHALL NOT BE ALLOWED TO FLOW TO SURFACE WATER.

ILITY MUST HOLD SUFFICIENT VOLUME TO CONTAIN CONCRETE

MASTE WITH A MINIPUL FREEDARD OF 12.\*

ARCHITY SHALL NOT BE FILLED BEYOND 95% CAPACITY UNLESS A SEW FACHTY IS CONSTRUCTED.

SAWOUT PORTLAND CEMENT CONCRETE, RESIDUE FROM SAWOUT AND GRRINING TO BE DEPOSED OF IN THE PIT.

CONCRETE WASHOUTS SHALL BE LOCATED A MINIMUM OF 100° FROM BRAINAGE WASH, INLETS, AND SUMFACE WASTED.

RAIN GARDEN 2 AREA PROVIDED = 600 SF MINIMUM

RAIN GARDEN SIZING CALCULATION (RAIN GARDEN 3):

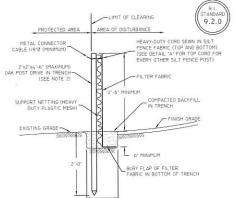
TOTAL IMPERVIOUS AREA = 2,880 SF RAIN GARDEN SIZING RATIO = 16.0 SF (RAIN GARDEN SURFACE AREA)
1,000 SF (IMPERVIOUS SURFACE AREA) 160 = X SF = 461 SF RAIN GARDEN 3 REQUIRED

RAIN GARDEN 3 AREA PROVIDED = 500 SF MINIMUM

RAIN GARDEN SIZING CALCULATION (RAIN GARDEN 4):

TOTAL IMPERVIOUS AREA = 2,880 SF RAIN GARDEN SIZING RATIO \* 100 SF (RAIN GARDEN SURFACE AREA)
100 SF (IMPERVIOUS SURFACE AREA)
X SF 1,000 = X SF = 461 SF RAIN GARDEN 4 REQUIRED

RAIN GARDEN 4 AREA PROVIDED = 500 SF MINIMUM



NOTES:

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

SPECIFICATIONS.

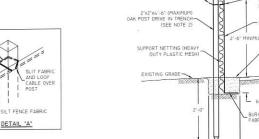
CHAMPING OF THE STANDARD STANDARD SHALL BE LOCATED 8"-0"

CHAMPING OC. IN WEILAND ARRAS AND 4."0" (MAKINLIN) O.C. IN WEILAND RAVINE.

GULLY ON DORO-OFF ARRAS AS SHOWN ON PLANS.

INTYAL-OFMININGUAL POSTS PERMITTED FOR PRE-FABRICATED SILT FENCE.

SILT FENCE SHALL BE INSTALLED BEFORE ANY GRUBBING OR EARTH EXCAVATION TAKES PLACE.



SILT FENCE DETAIL

S ETAIL RCHARD

Engineerin

DiPrete

ERIC M. PRIVE

FLOW

STRAW BALE FILTER INSTALLATION FOR CATCH BASINS AT LOW POINTS

NULES: STORMWATER INLETS WHICH DO NOT DISCHARGE TO SEDIMENT TRAPS OR BASINS MUST BE PROTECTED UNTIL THE TRIBUTARY AREAS ARE STABILIZED.

SEDIMENT MUST BE REMOVED FROM INLET PROTECTION AFTER EACH STORM.

REFER TO LONG TERMINISHIET TERM MAINTENANCE NOTES AND OFERATION & MAINTENANCE PLAN FOR TIMING OF PLACEMENT AND REMOVAL OF REDSON CONTROL ELEMENTS.

2"x4" WOODEN STAKES DRIVEN MINIMUM DF 12" INTO THE GROUND

CATCH BASIN EROSION CONTROL

EQUAL) NOT TO SCALE

8