

LOCUS
NOT TO SCALE

LEGEND

- RIHB R.I. HIGHWAY BOUND
- FND FOUND
- IP IRON PIPE
- N/F NOW OR FORMERLY
- S.F. SQUARE FEET
- PL PROPERTY LINE
- TH TEST HOLE
- FF FIRST FLOOR
- BIT. BITUMINOUS

PROPERTY NOTES:

1. THE PARCEL IS PLAT 114, LOT 10.
2. THE TOTAL PARCEL AREA IS 106,900± S.F. OR 2.45± ACRES.
3. SEE DEED BOOK 853 AT PAGE 155 FOR TITLE REFERENCE.

THE OWNER OF THE PARCEL IS:
JOHN P. SOMYK & PAUL VANASSE
401 SEASIDE DRIVE
JAMESTOWN, RI 02835

THE APPLICANT OF THE PROJECT IS:
DAVID G. CHAMPAGNE
12 TABER HILL ROAD
NORTH SMITHFIELD, RI 02896

SITE DEVELOPMENT REQUIREMENTS:

1. THE PARCEL IS LOCATED IN ZONE: GC.
2. THE PARCEL IS LOCATED WITHIN AQUIFER OVERLAY ZONE: A-80 & A-100.
3. THE PARCEL IS LOCATED WITHIN THE ROUTE 102 DEVELOPMENT MANAGEMENT DISTRICT.
4. THE PARCEL IS LOCATED WITHIN WELLHEAD PROTECTION AREA: WHPNAC.
5. THERE ARE NO PROPOSED OPEN SPACE AREAS AS A RESULT OF THIS PLAN.
6. THE PARCEL HAS 20,140 S.F. OF BUILDABLE AREA EXCLUDING WETLAND AND BUFFER ZONES.

EXISTING SITE NOTES:

1. THE WETLANDS WERE DELINEATED BY NATURAL RESOURCE SERVICES, INC. ON JANUARY 16, 2015.
2. THE PARCEL IS NOT LOCATED WITHIN ANY HISTORIC DISTRICTS.
3. THERE WERE NO EXISTING OR PROPOSED EASEMENTS FOR THE PARCEL AT THE TIME OF SURVEY.
4. THERE WERE NO HISTORIC SITES OR CEMETERIES ON THE PARCEL AT THE TIME OF SURVEY.
5. THERE WERE NO ARCHEOLOGICAL SITES ON THE PARCEL AT THE TIME OF SURVEY.
6. THE PARCEL IS LOCATED WITHIN ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AS SHOWN ON NATIONAL FLOOD INSURANCE RATE MAP 44007C0151G, EFFECTIVE DATE MAR. 2, 2009.

PARKING REQUIREMENT:

2 PARKING SPACES REQUIRED PER 3 EMPLOYEES

PROPOSED EMPLOYEES:

12 EMPLOYEES

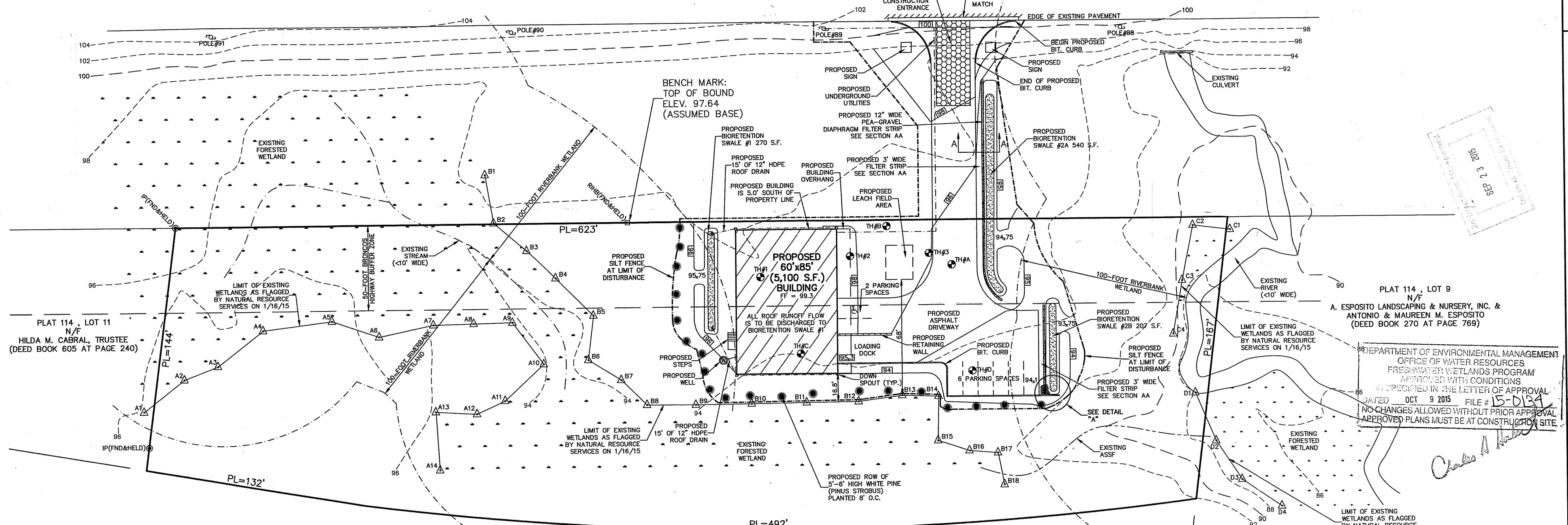
PARKING NEEDED:

8 SPACES

TOTAL PARKING SPACES PROPOSED:

8 SPACES

**BRONCOS HIGHWAY
(ROUTE 102)**



PLAT 114, LOT 11
N/F
HILDA M. CABRAL, TRUSTEE
(DEED BOOK 605 AT PAGE 240)

PLAT 114, LOT 59
N/F
O'KEEFE PROPERTIES, LLC
(DEED BOOK 675 AT PAGE 276)

PLAT 114, LOT 58
N/F
B & F ASSOCIATES
(DEED BOOK 479 AT PAGE 175)

PLAT 114, LOT 57
N/F
STANLEY TREE SERVICE, INC.
(DEED BOOK 812 AT PAGE 52)

PLAT 114, LOT 9
N/F
A. ESPOSITO LANDSCAPING & NURSERY, INC. &
ANTONIO & MAUREEN M. ESPOSITO
(DEED BOOK 270 AT PAGE 769)

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
SPECIFIED IN THE LETTER OF APPROVAL
DATED OCT 9 2015 FILE # 15-013A
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
(APPROVED) PLANS MUST BE AT CONSTRUCTION SITE.

NICHOLAS J. PIAMPANO
No. 6512
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

THIS STAMP IS FOR SITE DRAINAGE PURPOSES ONLY

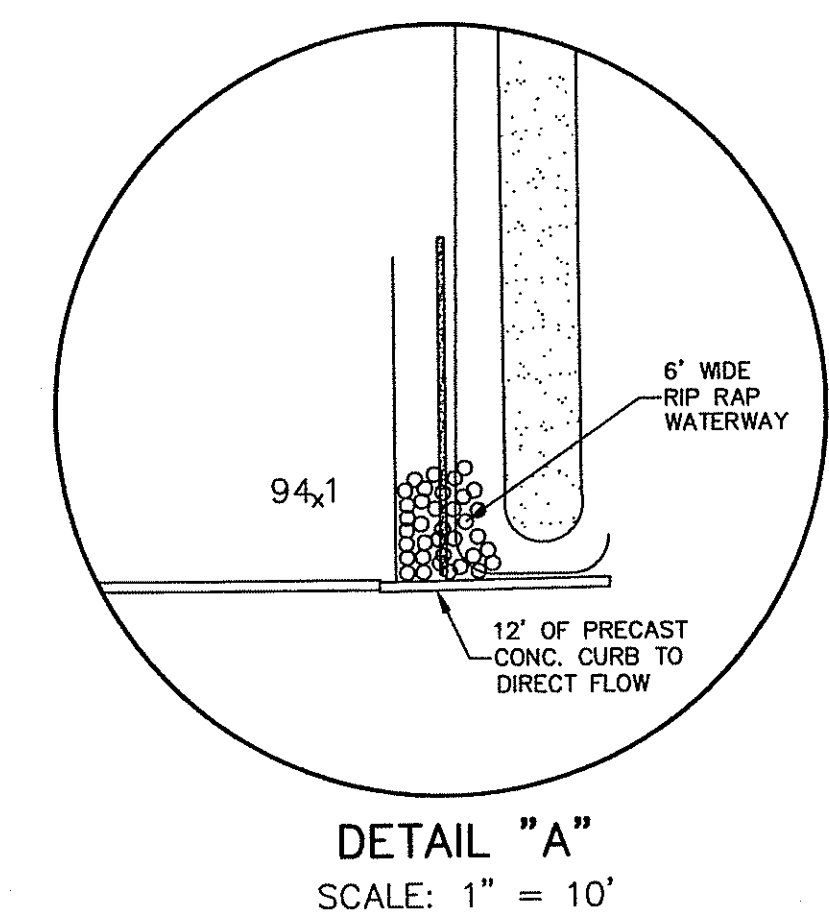
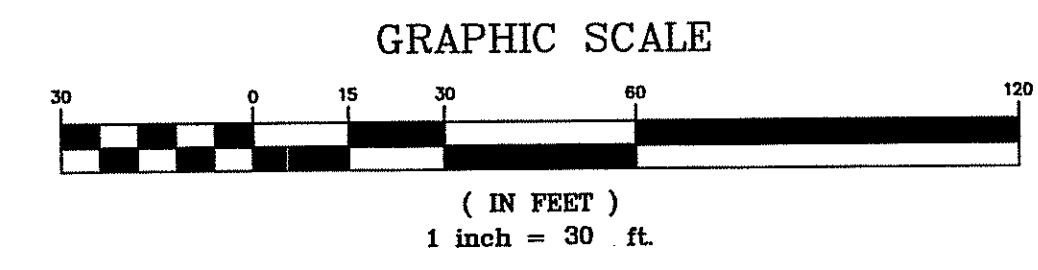
ADVANCED CIVIL DESIGN, INC.
CIVIL ENGINEERS

7 COUNTRYSIDE LANE
SCITUATE, RI 02857

P1: (401) 644-8656
P2: (401) 473-4404

I HEREBY CERTIFY THAT THIS SURVEY AND PLAN CONFORMS TO A CLASS 3 STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.

BY: *Michael R. Darveau* 9/3/15
MICHAEL R. DARVEAU, PLS#1978 DATE



DARVEAU LAND SURVEYING, INC.
P.O. BOX 7918
CUMBERLAND, R.I. 02864
PHONE 401-475-5700
E-MAIL: DARVEAUSURVEY@COX.NET

PROPOSED SITE PLAN FOR
DAVID G. CHAMPAGNE
PLAT 114, LOT 10
BRONCOS HIGHWAY
BURRILLVILLE, RHODE ISLAND

PROJECT NO:	2015_004	SHEET NO:	1 OF 2
REVISION:	SEPT. 3, 2015	DATE:	JUNE 22, 2015
SCALE:	1" = 30'	DRAWN BY:	S.A.K.

Bioretention Construction

- FOR THE LONG-TERM FUNCTION OF THE BIORETENTION SWALES, CARE MUST BE TAKEN IN THESE AREAS DURING CONSTRUCTION AS STATED BELOW AND THE CONTRACTOR SHALL EMPLOY BEST MANAGEMENT PRACTICES (BMPs).
- THE BIORETENTION SWALES CANNOT BE USED FOR TEMPORARY CONSTRUCTION SURFACE RUNOFF OR GROUNDWATER CONTROL.
- CONSTRUCTION EQUIPMENT, VEHICLES, ACCESS ROADS, AND STOCKPILING OF CONSTRUCTION AND EARTH MATERIALS SHALL NOT BE WITHIN THE LIMITS OF THE BIORETENTION SWALES.
- EXCAVATION OR INSTALLATION OF THE BASINS SHALL AVOID COMPACTION OF THE SUBGRADE TO PREVENT ALTERATION OF THE NATURAL FILTRATION OF THE UNDERLYING SOILS.
- INSTALL TEMPORARY CONSTRUCTION FENCING (ORANGE SNOW FENCE OR EQUAL) AROUND THE PERIMETER OF THE BASINS TO PREVENT THE USE OF THESE AREAS.

Long Term Maintenance

- LONG TERM MAINTENANCE OF THE BIORETENTION SWALES, AS WELL AS ANY OTHER STORMWATER CONVEYANCE ITEM, IS REQUIRED TO ENSURE PROPER FILTRATION AND TREATMENT OF STORMWATER.
- THE RHODE ISLAND STORMWATER DESIGN AND INSTALLATION STANDARDS MANUAL, DECEMBER 2010, AND ALL FUTURE AMENDMENTS, SHOULD BE FOLLOWED FOR OPERATION AND MAINTENANCE.
- AN OPERATION AND MAINTENANCE AGREEMENT WITH A LANDSCAPE CONTRACTOR IS RECOMMENDED TO ENSURE THE LONGEVITY OF THE SYSTEMS IN PLACE.
- PRUNING OR REPLACEMENT OF VEGETATION SHALL OCCUR WHEN DEAD OR DYING VEGETATION IS OBSERVED.
- SOIL EROSION GULLIES SHALL BE REPAIRED WHEN THEY OCCUR.
- 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.

SEDIMENTATION AND EROSION CONTROL:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENTATION & EROSION CONTROL.
- EMBANKMENT SLOPES & ALL DISTURBED AREAS ARE TO RECEIVE A LAYER OF TOPSOIL (LOAM) AND SEED.
- IMMEDIATELY UPON COMPLETION OF THE CLEARING AND GRUBBING AND PRIOR TO ANY ROUGH GRADING, A TEMPORARY SILT FENCE SHALL BE PLACED AT THE LIMIT OF PERMANENT DISTURBANCE PER PLAN.
- ALL EROSION & SEDIMENTATION CONTROL SHALL BE CONTINUALLY MAINTAINED BY THE CONTRACTOR.

EROSION & SOIL STABILIZATION PROGRAM:

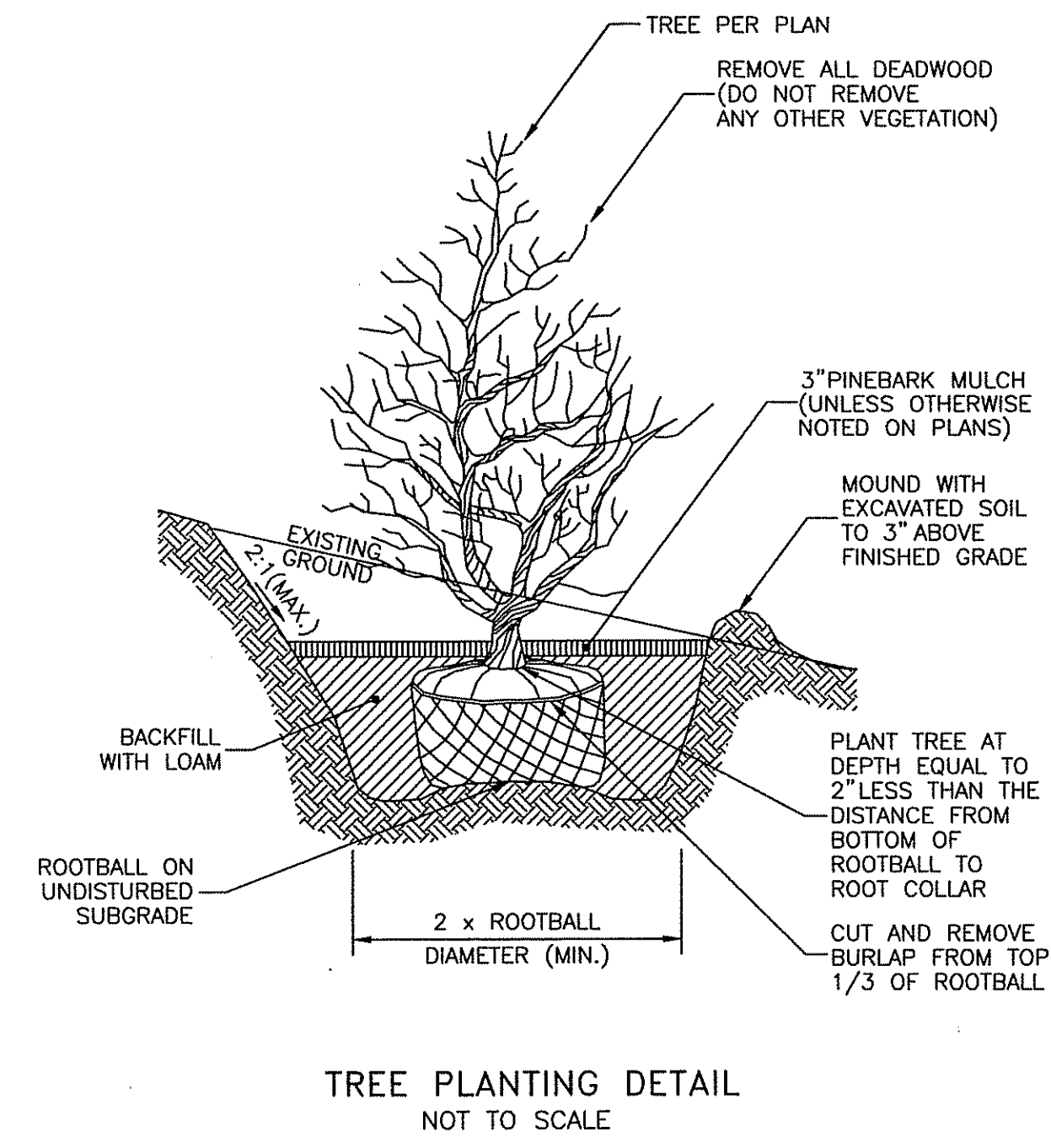
- TEMPORARY TREATMENTS SHALL CONSIST OF A SILT FENCE, HAY BALES, WATTLES (MULCH TUBES), OR PROTECTIVE COVERS SUCH AS FABRIC MATS.
- ALL CONTROLS SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED COVER IS ESTABLISHED.
- NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1 - OCT. 15.
- ALL FILL, IF REQUIRED, SHALL BE CLEAN AND THOROUGHLY COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WITH RIDPW STANDARD SPECIFICATION SECTION 202.

SEDIMENTATION CONTROL PROGRAM:

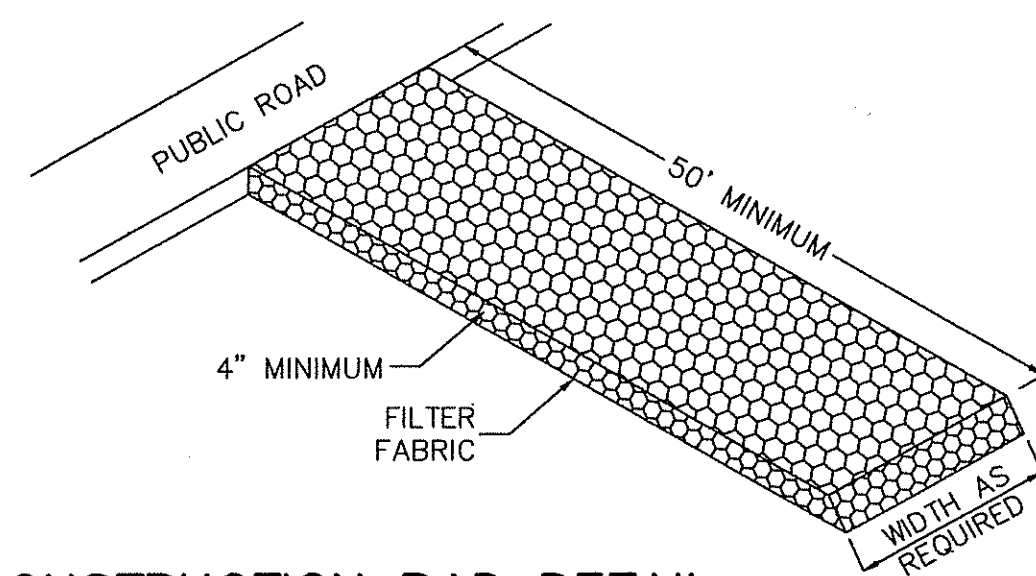
- A TEMPORARY SILT FENCE, HAY BALES, WATTLES, OR PROTECTIVE COVER SHALL BE INSTALLED PRIOR TO CONSTRUCTION & SHALL BE MAINTAINED CONTINUALLY. IN ADDITION TO THE LINE OF THE SILT FENCE AT THE LIMIT OF PERMANENT DISTURBANCE, TEMPORARY BARRIERS SHALL BE CONSTRUCTED AT THE TOE OF THE DISTURBED (CUT OR FILL) SLOPES UNTIL VEGETATIVE COVER HAS BEEN ESTABLISHED.
- DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE FLOW DURING STORMS AND PERIODS OF RAINFALL.
- SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED CLOSELY AND MAINTAINED PROMPTLY AFTER EACH RAINFALL.

SLOPE STABILIZATION AND VEGETATION:

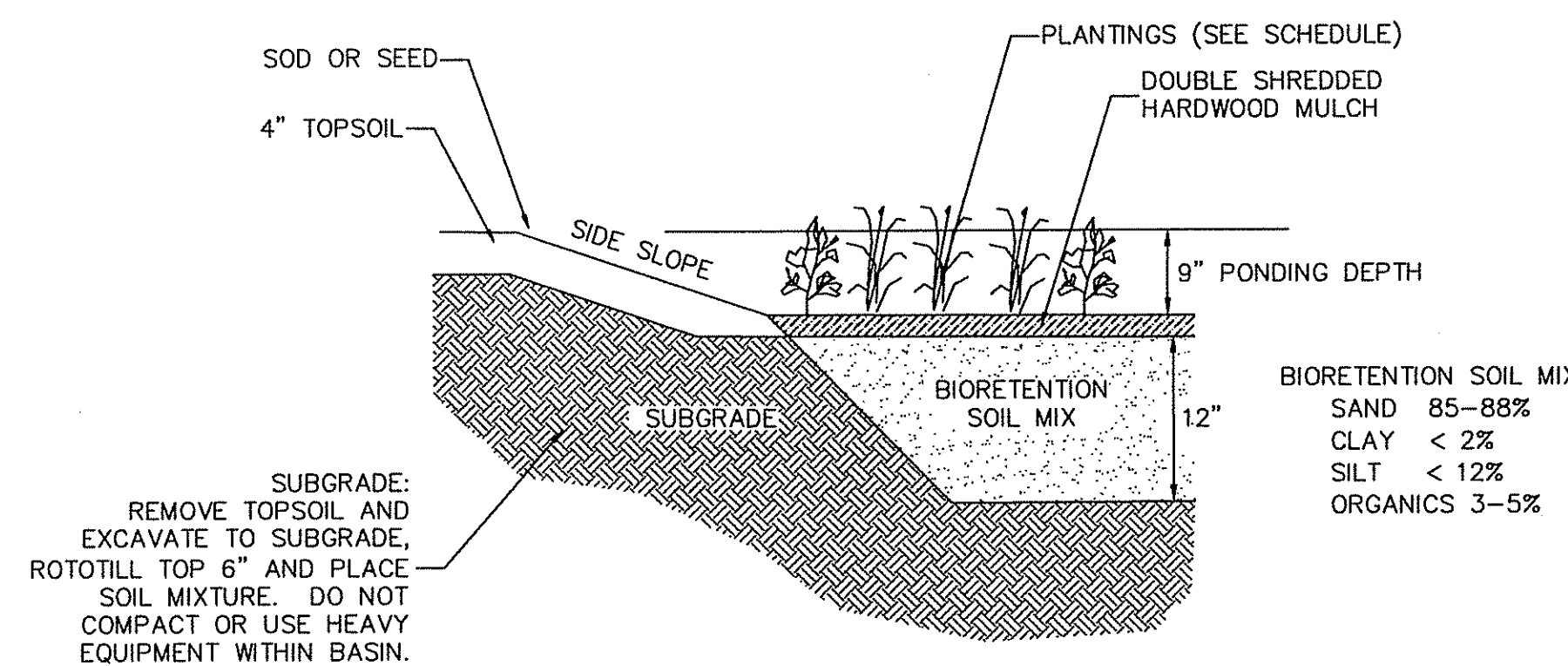
- ALL CONTROLS SHALL BE PLACED AT THE TOE OF ALL DISTURBED SLOPES. THIS SHALL BE MAINTAINED AS A SEDIMENT BARRIER UNTIL THE SLOPES ARE STABILIZED WITH GRASS.
- THE DISTURBED SLOPES (CUT OR FILL) SHALL BE IMMEDIATELY MULCHED AS AN EROSION PROTECTION MEASURE.
- MAINTAIN MULCH UNTIL THE SLOPES ARE STABILIZED WITH A SATISFACTORY GROWTH OF GRASS.
- VEGETATION REMOVED MAY BE SHREDDED AND CHIPPED ON SITE FOR USE AS MULCH, OR IT MAY BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.
- THE RESEEDING OF THE DISTURBED SLOPES SHALL BE CONDUCTED WITH SEED MATERIALS SELECTED FOR PRODUCTION OF A QUICK COVER AND HARDY STAND. PARTICULARLY A CONSERVATION GRASS SEED OR COMPARABLE. THE SEEDING SHALL BE IN ACCORDANCE WITH COMMON NURSERY PRACTICE IN THE RHODE ISLAND AREA.
- PROVIDED THAT THE PROVISIONS OF THIS SEDIMENTATION & EROSION CONTROL PLAN ARE IMPLEMENTED, THERE WILL BE NO ADVERSE ENVIRONMENTAL EFFECTS FROM THE PROPOSED CONSTRUCTION.



TREE PLANTING DETAIL NOT TO SCALE



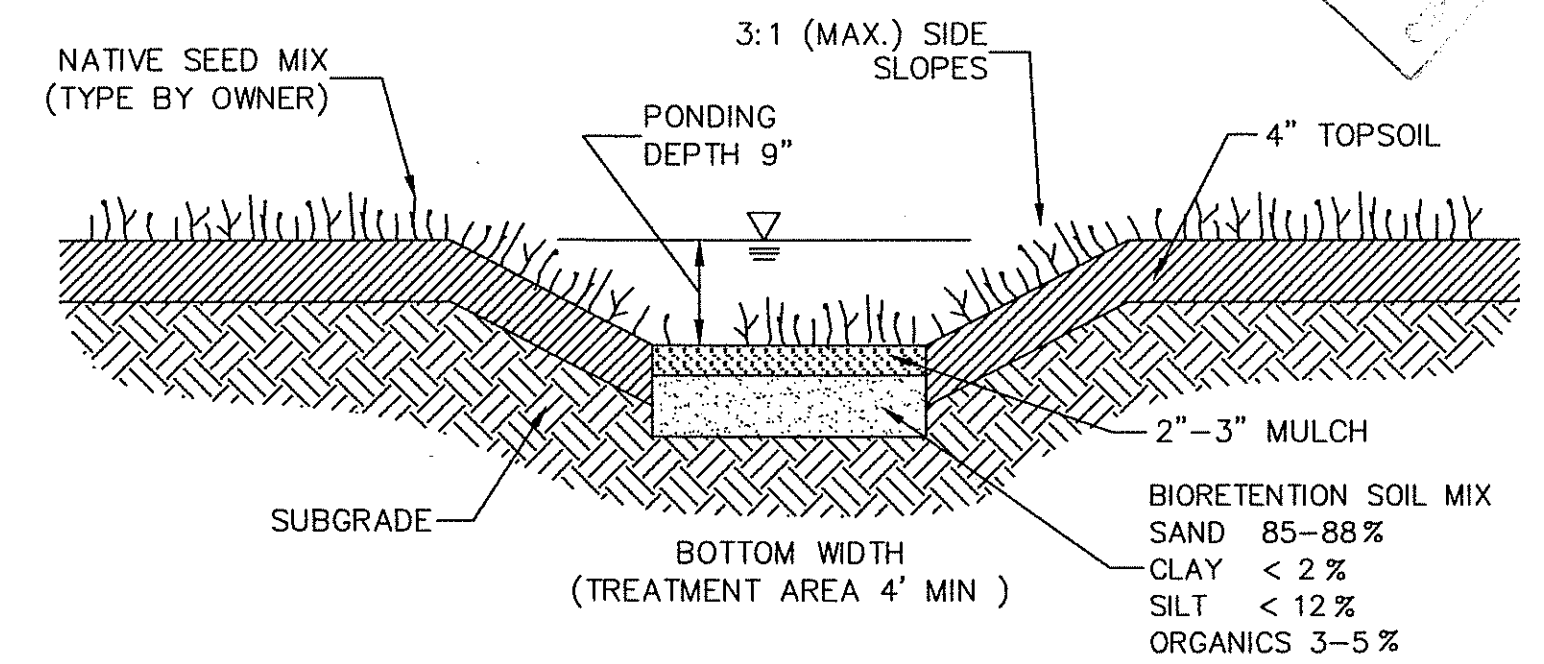
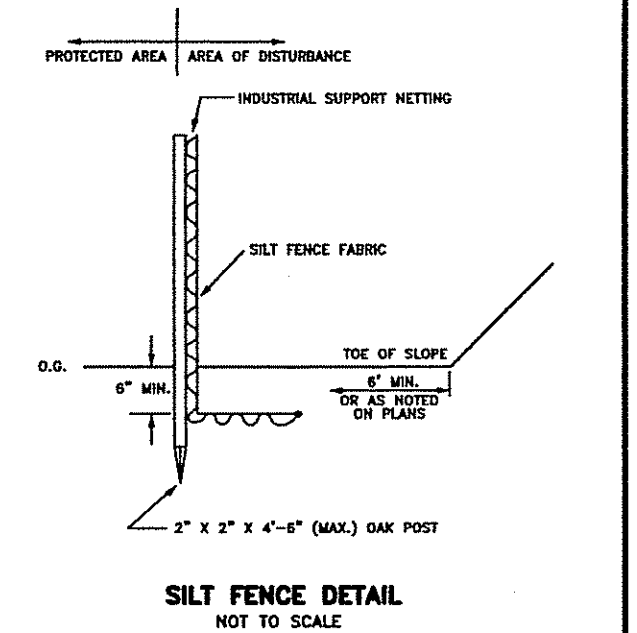
CONSTRUCTION PAD DETAIL NOT TO SCALE



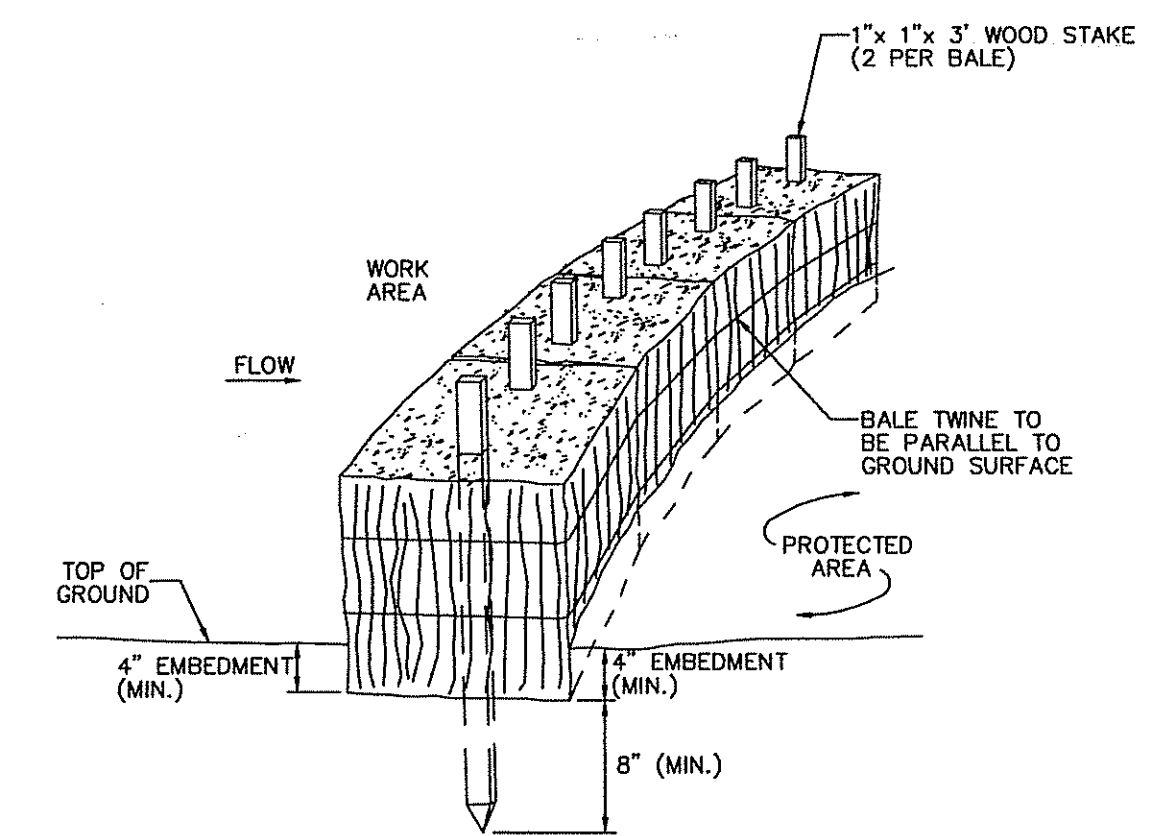
TYPICAL BIORETENTION SWALE DETAIL NOT TO SCALE

Maintenance Notes:

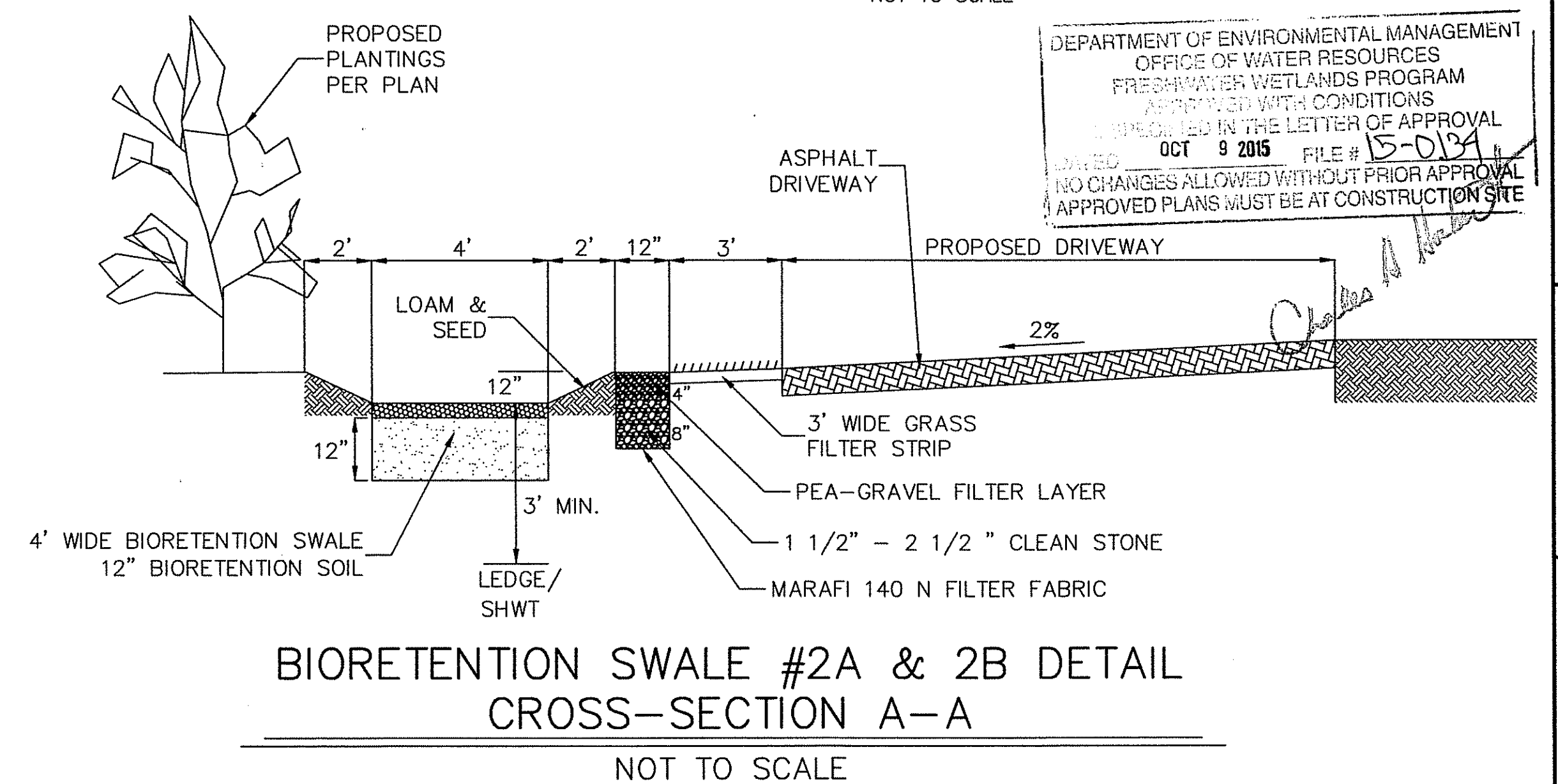
- VEGETATIVE SWALE**
- VEGETATED SWALES SHALL BE INSPECTED ANNUALLY AND SHOULD BE INSPECTED AFTER LARGE STORM EVENTS.
 - ERODED SIDE SLOPES AND CHANNEL BOTTOMS SHALL BE STABILIZED AS NECESSARY.
 - IF THE SURFACE OF THE DRY SWALE BECOMES CLOGGED TO THE POINT THAT STANDING WATER IS OBSERVED ON THE SURFACE 48 HOURS AFTER PRECIPITATION EVENTS, THE BOTTOM SHALL BE ROTO-TILLED OR CULTIVATED TO BREAK UP ANY HARD-PACKED SEDIMENT, AND THEN RESEEDED.
 - VEGETATION IN DRY SWALES SHALL BE MOWED AS REQUIRED TO MAINTAIN MINIMUM GRASS HEIGHTS IN THE 4-6 INCH RANGE.



BIORETENTION SWALE #1 DETAIL NOT TO SCALE

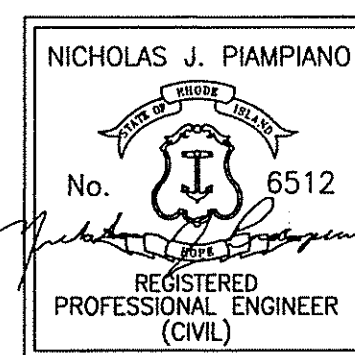


HAYBALE EROSION CONTROL NOT TO SCALE



BIORETENTION SWALE #2A & 2B DETAIL CROSS-SECTION A-A NOT TO SCALE

STORMWATER TREATMENT PRACTICE				
IMPERVIOUS SURFACE	AREA	METHOD	AREA REQ'D	AREA PROVIDED
ROOF TOP	5100 S.F.	BIORETENTION SWALE #1	46 S.F.	270 S.F.
ASPHALT DRIVEWAY	10,019 S.F.	BIORETENTION SWALES #2A & B	90 S.F.	747 S.F.



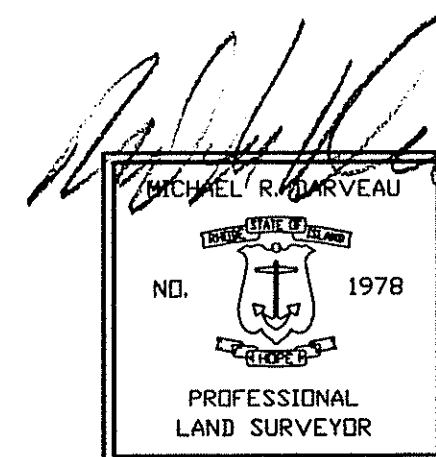
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BURRILLVILLE, RHODE ISLAND

SCALE: 1" = 30'

REVISED: SEPT. 3, 2015

PROJECT NO: 2015_004

DRAWN BY: S.A.K.

DATE: JUNE 22, 2015

SHEET NO: 2 OF 2