

SHEFFIELD ROAD

**STREET INDEX
REFERENCE:**

- DEED BK. 851 / PG.254
- PLAN RECORDED AT PLAT CARD # 134
- SURVEY PLOT PLAN 8 SHEFFIELD ROAD, SMITHFIELD, RHODE ISLAND ASSESSOR'S MAP 44B, LOT 59 BY LOU CALCAGNI, JR. P.L.S. 1 CALCAGNI PLACE SMITHFIELD, RHODE ISLAND 02828-1215, 401-255-9008.
- LOCATION OF THE EXISTING 20' WIDE DRAINAGE EASEMENT IS TAKEN FROM THE PLAN RECORDED AT PLAT CARD #134
- PLAN APPROVED BY D.E.M. FILE #95-0433, ENTITLED, "PROPOSED HOUSE CONSTRUCTION, BELLINI CORPORATION, N/S SHEFFIELD ROAD - SMITHFIELD, R.I., A.P. 44B LOT 59, JUNE 1993, ROBERT F. ANGILLY, JR. PE., CONSULTING CIVIL & ENVIRONMENTAL ENGINEER."
- PLAN APPROVED BY D.E.M. FILE #95-0432, ENTITLED, "PROPOSED HOUSE CONSTRUCTION, BELLINI CORPORATION, N/S SHEFFIELD ROAD - SMITHFIELD, R.I., A.P. 44B LOT 58, JUNE 1993, ROBERT F. ANGILLY, JR. PE., CONSULTING CIVIL & ENVIRONMENTAL ENGINEER."

- NOTE:**
- FEMA ZONE: X / MAP: 44007C0277G / DATED: 03-02-09
 - S.H.G.W.T. = 1.4 FT.
 - SOILS ON SITE CONSISTS PARTIALLY OF SCIO SILT LOAM (ScA), AND SUDBURY SANDY LOAM (Ss).



THIS PLAN DOES NOT GUARANTEE THE EXISTENCE OR NON-EXISTENCE OF UNDERGROUND UTILITIES. THE LOCATION OF EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE AND MAY NOT BE ACCURATE. THE CONTRACTOR SHALL VERIFY THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY "DIGSAFE" AT 1-888-344-7233.

GENERAL

- 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 WITH SUCH ORDER, SAID ORDERS SHALL SUPERCEDE THE REQUIREMENTS SPECIFIED ON THIS PLAN.
- 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 TOWN OF SMITHFIELD OR THE STATE OF RHODE ISLAND, THEIR AGENTS, OR OTHER REGULATORY AGENCIES.

EROSION CONTROL MEASURES

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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

- 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.
- 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.
- 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.
- 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 ORDERS.

PRELIMINARY SITE WORK

- 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 WEEKS.
- 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.
- IF INTENSE RAINFALL IS ANTICIPATED, THE INSTALLATION OF SUPPLEMENTAL HAY BALE DIKES, SILT FENCES, OR ARMORED DIKES SHALL BE UTILIZED.

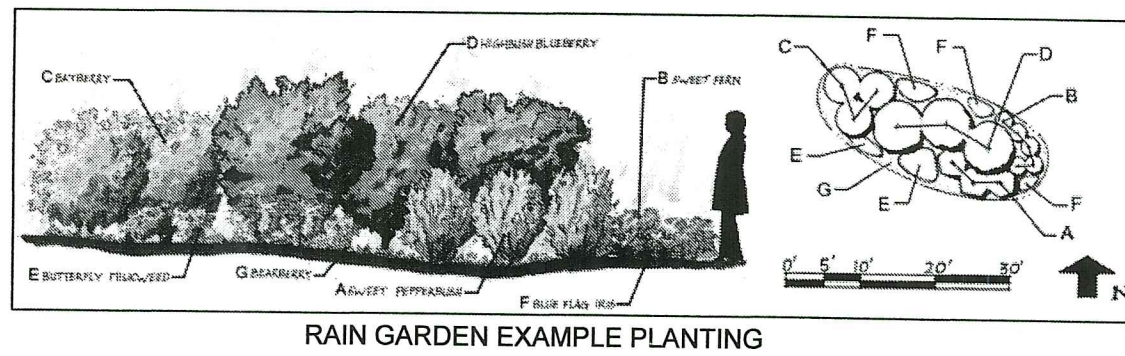
RAIN GARDEN CALCULATIONS:

ROOF IMPERMEABLE TRIBUTARY AREA = 1,376 S.F. ~ 1,400 S.F.
WATER QUALITY VOLUME = 0.002678298133 ACRE-FT.
FILTER BED DEPTH = 24 IN.
AVERAGE HEIGHT OF WATER = 0.33 FT.
BED FILTER REQUIRED = 70 S.F.

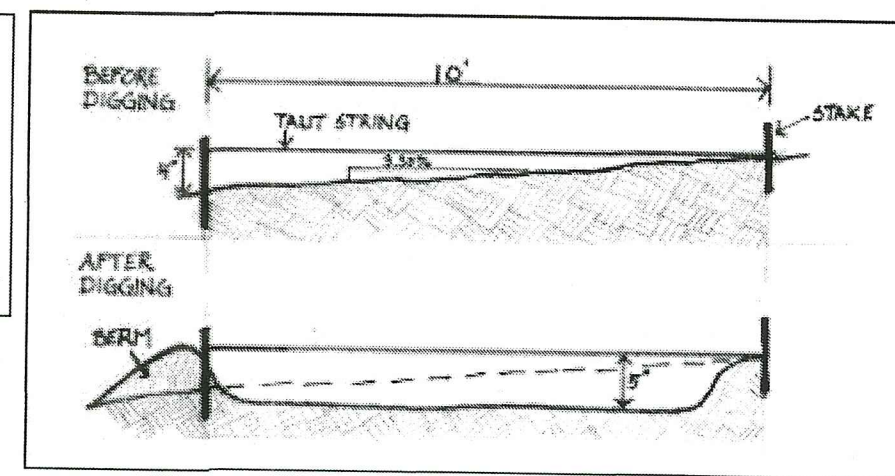
2:1 LENGTH TO WIDTH RATIO RECOMMENDED PER RI SMG
LENGTH = 14 FT., WIDTH = 5 FT.
14 FT. * 5 FT. = 70 S.F. RAIN GARDEN PROPOSED.

DRIVEWAY IMPERMEABLE TRIBUTARY AREA = 600 S.F.
WATER QUALITY VOLUME = 0.001147842057 ACRE-FT.
FILTER BED DEPTH = 24 IN.
AVERAGE HEIGHT OF WATER = 0.33 FT.
BED FILTER REQUIRED = 30 S.F.

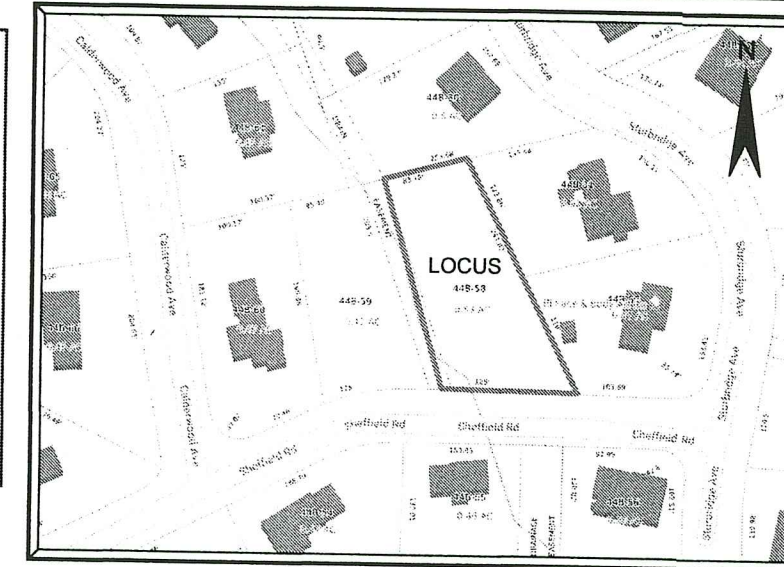
2:1 LENGTH TO WIDTH RATIO RECOMMENDED PER RI SMG
LENGTH = 10 FT., WIDTH = 3 FT.
10 FT. * 3 FT. = 30 S.F. RAIN GARDEN PROPOSED.



RAIN GARDEN EXAMPLE PLANTING



RAIN GARDEN LOW SLOPE CONSTRUCTION



LOCUS MAP
NOT TO SCALE

ZONING DISTRICT R-20

MINIMUM LOT AREA: 20,000 S.F.
MINIMUM LOT FRONTAGE: 125 FT.
MINIMUM SETBACKS: FRONT: 30 FT.
SIDE: 15 FT.
REAR: 30 FT.
MAXIMUM LOT COVERAGE: 25%
MAXIMUM STRUCTURE HEIGHT: 39 FT.

DEM APPLICATION #22-0357

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM

NOTE PER DEM:

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site

PLANTING DETAIL:

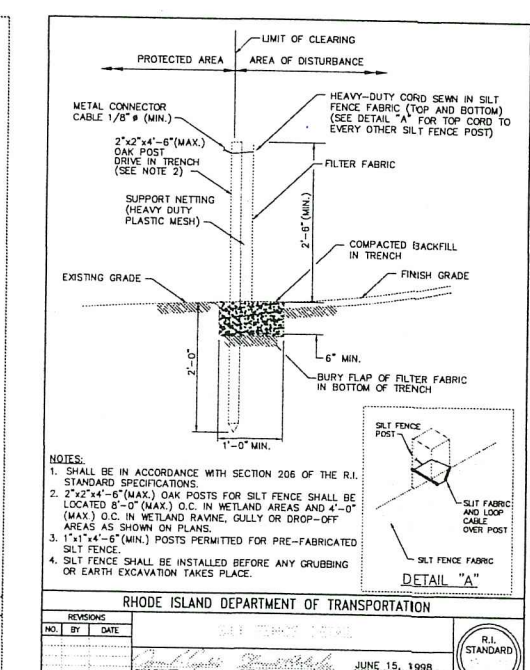
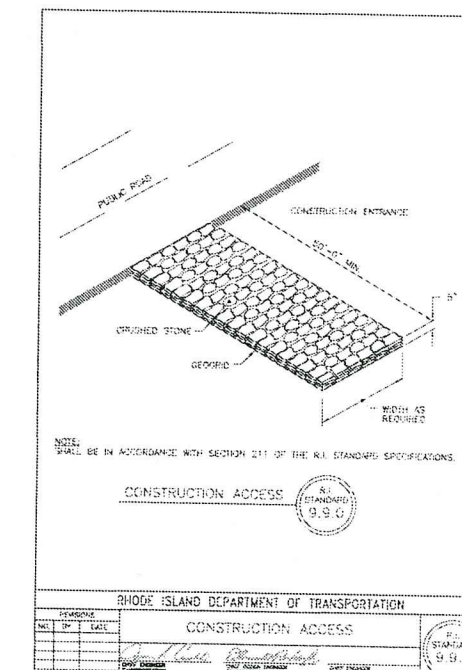
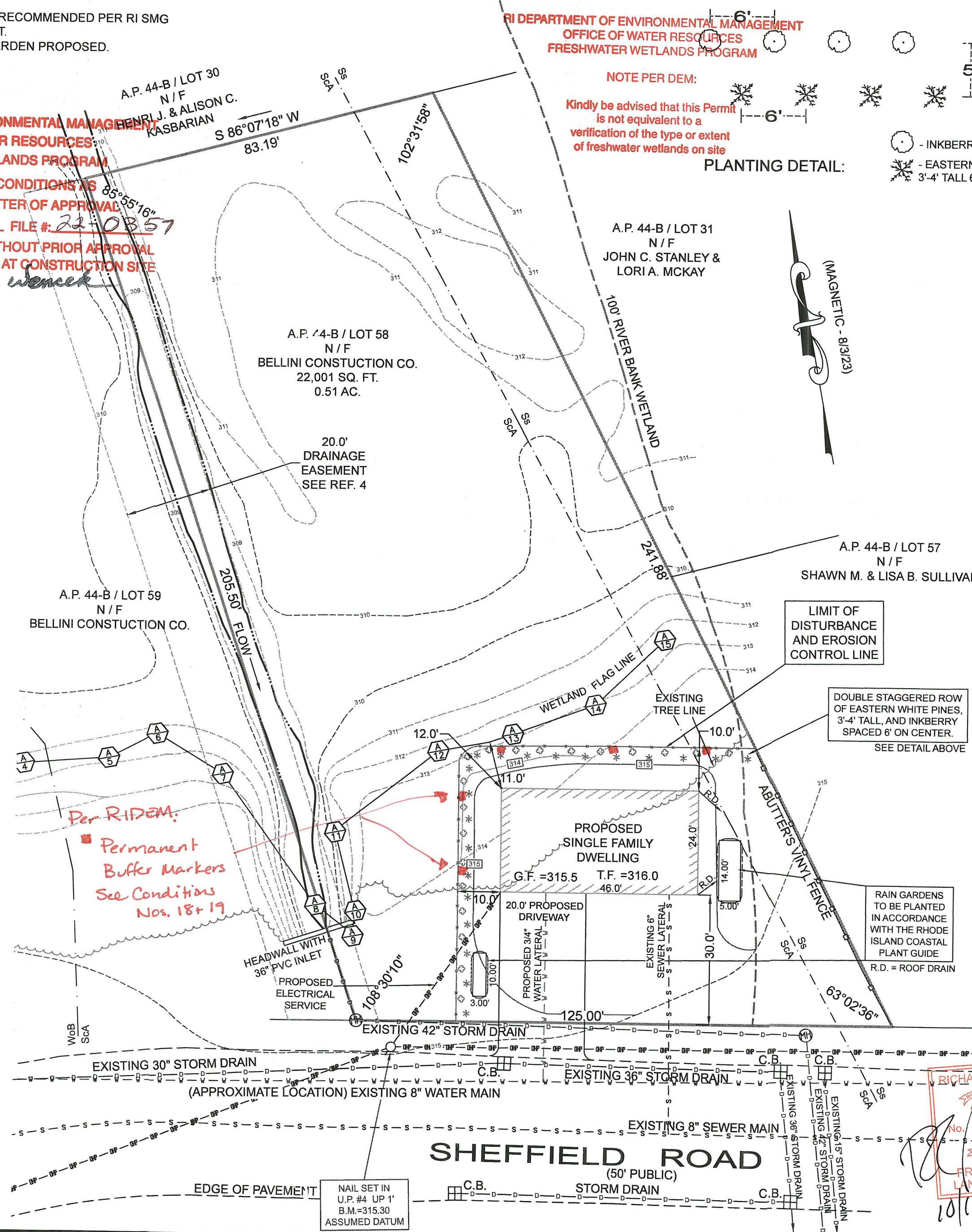
- INKBERRY 6' ON CENTER
- EASTERN WHITE PINE 3'-4' TALL 6' ON CENTER.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM

APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL

DATED: DEC 22 2023 FILE #: 22-0357
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Martin D. Wenczek



SURVEY CLASSIFICATION:

THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:

TYPE OF BOUNDARY SURVEY:	MEASUREMENT SPECIFICATION:
LIMITED CONTENT BOUNDARY SURVEY	CLASS I
DATA ACCUMULATION SURVEY	CLASS III

THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS: TO ESTABLISH AND STAKE RECORD BOUNDARY LINES, IN ORDER TO CONSTRUCT AN ADDITION TO THE EXISTING DWELLING.

BY: *Richard T. Bzdryra* DATE: 10/16/23
RICHARD T. BZDYRA, PLS. LICENSE #1786; COA # LS-A60

THE FOLLOWING TYPES OF EVIDENCE WERE USED TO CONSTRUCT THIS SURVEY: RECORDED FOUND MONUMENTS IF ANY, NON-RECORDED MONUMENTS, LINES OF POSSESSION, AND OTHER EVIDENCE RELATIVE TO THE DEED OR PLAT. THE BOUNDARY SOLUTION IS THE COMPILATION OF INFORMATION TO DETERMINE THE MOST PROBABLE LOCATION OF THE SURVEYED PARCEL.

SOIL EROSION & SEDIMENTATION CONTROL PLAN

OWNER:
BELLINI CONSTRUCTION CO. INC.
38 WILBUR AVENUE
CRANSTON, R.I. 02920

A.P. 44-B / LOT 58
10 SHEFFIELD ROAD
SMITHFIELD, R.I.
SCALE: 1"=20' DATE: OCTOBER 9, 2023
REVISED: OCTOBER 16, 2023
PREPARED FOR:

BELLINI CONSTRUCTION CO. INC.
38 WILBUR AVENUE, CRANSTON, R.I. 02920

PREPARED BY:
OCEAN STATE PLANNERS, INC.
1255 OAKLAWN AVENUE, CRANSTON, R.I. 02920
PHONE: (401) 463-9696 info@osplanners.com

JOB NO. 5935 / DWG. NO. 5935 - (ZTDS)
GRAPHIC SCALE: 1" = 20'



NAIL SET IN U.P. #4 UP 1' B.M.=315.30 ASSUMED DATUM

