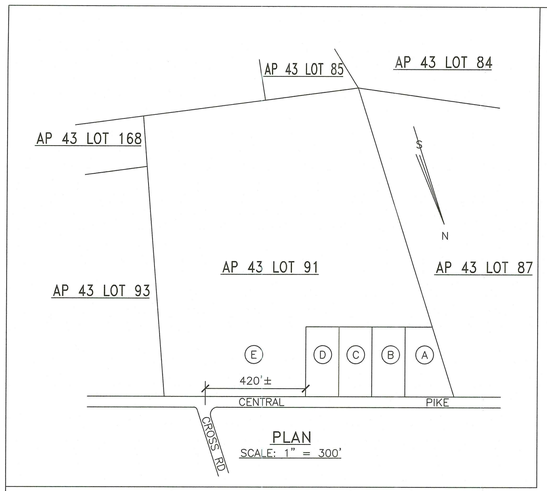


GENERAL NOTES:

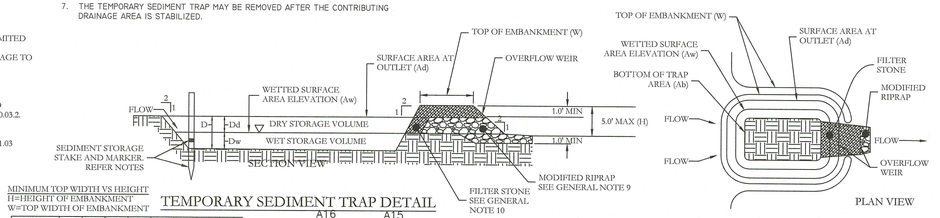
1. THE TEMPORARY SEDIMENT TRAP SHALL MEET ALL REQUIREMENTS FOR TEMPORARY SEDIMENT TRAPS OUTLINED IN THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK (LATEST REVISION) SECTION SIX: SEDIMENT CONTROL MEASURES
2. THE TEMPORARY SEDIMENT TRAP MUST PROVIDE A STORAGE VOLUME FOR ONE INCH OF RUNOFF FROM THE CONTRIBUTING AREA. HALF OF THE STORAGE MUST BE PROVIDED IN THE FORM OF WET STORAGE. SEE DETAIL BELOW SECTION 6 OF THE RISESCH.
3. ALL CUT AND FILL SLOPES MUST BE 2:1 OR FLATTER EXCEPT FOR THE EXCAVATED WET STORAGE AREA WHERE SLOPES MUST NOT EXCEED 1.5:1.
4. THE OUTLET MUST BE LOCATED AT THE MOST DISTANT HYDRAULIC POINT FROM THE INLET.
5. THE OUTLET CONSISTS OF A PERVIOUS STONE DIKE WITH A CORE OF MODIFIED RIPRAP AND FACED ON THE UPSTREAM SIDE WITH STONE.
6. TEMPORARY SEDIMENT TRAPS MUST OUTLET ONTO STABILIZED GROUND.
7. MAXIMUM HEIGHT OF A TEMPORARY SEDIMENT TRAP EMBANKMENT IS LIMITED TO 5 FEET (BOTTOM OF DRY STORAGE TO TOP OF EMBANKMENT). TOTAL EMBANKMENT HEIGHT MUST NOT EXCEED 6 FEET (BOTTOM OF WET STORAGE TO TOP OF EMBANKMENT).
8. SIDE SLOPES OF THE EMBANKMENT MUST BE 2:1 OR FLATTER.
9. MODIFIED RIPRAP: SHALL MEET THE REQUIREMENTS OF RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SUBSECTION M.10.03.2.
10. FILTER STONE: SHALL MEET THE REQUIREMENTS OF RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SUBSECTION M.01.03 TABLE I, COLUMN V FILTER STONE.

INSPECTION, MAINTENANCE, AND REMOVAL REQUIREMENTS:

1. INSTALL "SEDIMENT STORAGE" STAKE WITH A MARKER AT ONE HALF OF THE WET STORAGE VOLUME.
2. INSPECT THE TEMPORARY SEDIMENT TRAP AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.25 INCH OR GREATER.
3. CHECK THE OUTLET TO ENSURE THAT IT IS STRUCTURALLY SOUND AND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT.
4. CHECK FOR SEDIMENT ACCUMULATION AND FILTRATION PERFORMANCE.
5. WHEN SEDIMENTS HAVE ACCUMULATED TO ONE HALF THE MINIMUM REQUIRED VOLUME OF THE WET STORAGE, DEWATER THE TRAP AS NEEDED, REMOVE SEDIMENTS AND RESTORE THE TRAP TO ITS ORIGINAL DIMENSIONS.
6. DISPOSE OF THE SEDIMENT REMOVED FROM THE BASIN IN A SUITABLE AREA AS DESIGNATED BY THE GEOTECHNICAL ENGINEER.
7. THE TEMPORARY SEDIMENT TRAP MAY BE REMOVED AFTER THE CONTRIBUTING DRAINAGE AREA IS STABILIZED.

INSTALLATION NOTES:

1. CLEAR, GRUB AND STRIP ANY VEGETATION AND ROOT MAT FROM ANY PROPOSED EMBANKMENT AND OUTLET AREA.
2. REMOVE STONES AND ROCKS WHOSE DIAMETER IS GREATER THAN THREE (3) INCHES AND OTHER DEBRIS.
3. EXCAVATE WET STORAGE AND CONSTRUCT THE EMBANKMENT AND/OR OUTLET AS NEEDED TO ATTAIN THE NECESSARY STORAGE REQUIREMENTS.
4. USE ONLY FILL MATERIAL FOR THE EMBANKMENT THAT IS FREE FROM EXCESSIVE ORGANICS, DEBRIS, LARGE ROCKS (OVER SIX (6) INCHES) OR OTHER UNSUITABLE MATERIALS. COMPACT THE EMBANKMENT IN 9-INCH LAYERS BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED
5. STABILIZE THE EARTHEN EMBANKMENT USING ANY OF THE FOLLOWING MEASURES: SEEDING FOR TEMPORARY VEGETATION COVER; SEEDING FOR PERMANENT VEGETATIVE COVER; OR SLOPE PROTECTION, IMMEDIATELY AFTER INSTALLATION

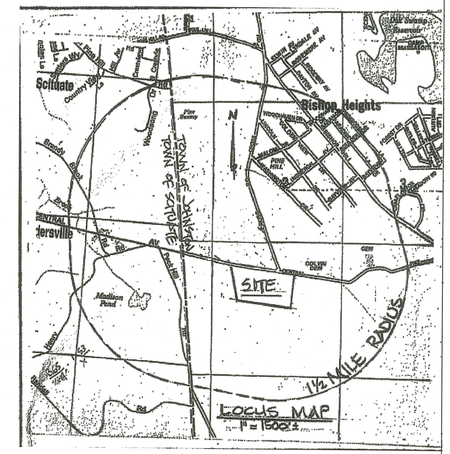


MINIMUM TOP WIDTH VS HEIGHT
H=HEIGHT OF EMBANKMENT
W=TOP WIDTH OF EMBANKMENT

H (FT)	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
W (FT)	2.0	2.0	3.0	2.5	3.0	3.0	4.0	4.5

TEMPORARY SEDIMENT TRAP DETAIL

NOT TO SCALE



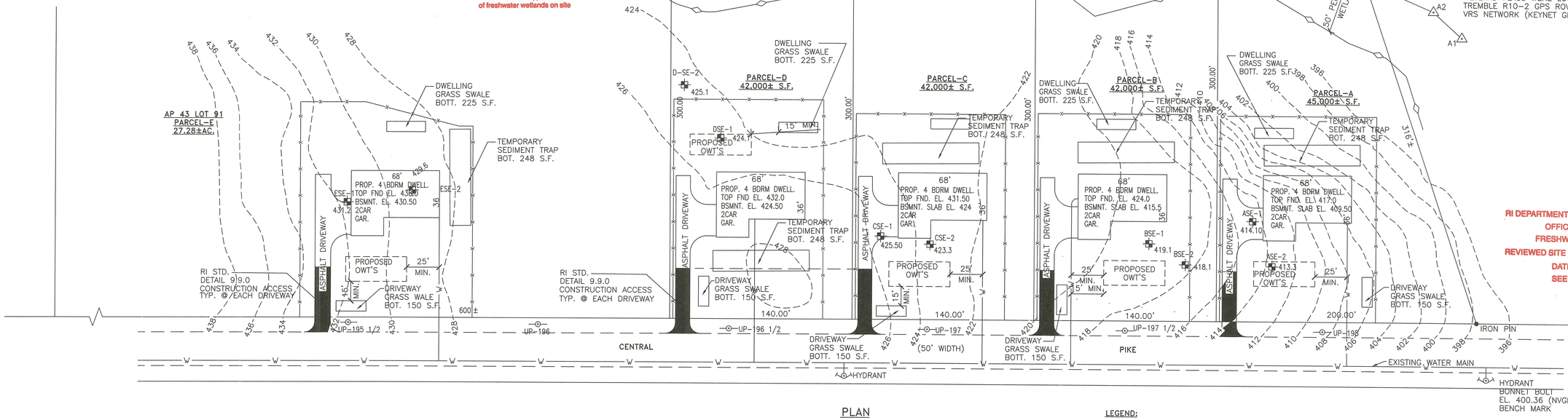
NOTES:

1. THIS SITE IS SHOWN ON FEMA PANEL NO. 44007C0238H AS HAVING NO FLOOD HAZARD DELINEATION, FEMA FLOOD PLAN STUDY DATE: MAP REVISED OCT. 2, 2015.
2. SILT FENCE OR EQUAL SOIL EROSION CHECK TO BE INSTALLED PRIOR TO SOIL DISTURBANCE AND START OF CONSTRUCTION AND TO REMAIN IN PLACE AND OPERATIONAL UNTIL SITE IS STABILIZED WITH GROUND COVER.
3. WETLAND FLAGS WERE LOCATED IN THE FIELD USING A TREMBLE R10-2 GPS ROVER, UTILIZING THE KEYSTONE VRS NETWORK (KEYNET GPS)

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



PLAN
SCALE: 1" = 40'

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
REVIEWED SITE PLAN APPLICATION #: 22-0355
DATED: JUL 12 2023
SEE LETTER OF SAME DATE

RI Environmental Management
JUN 14 2023
Office of Water Resources

PARCELS A, B, C, D AND E

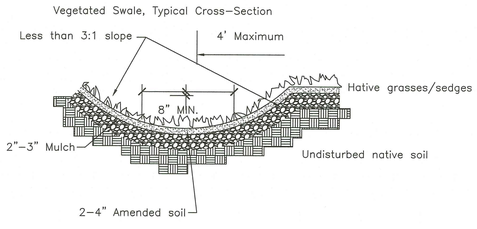
R.I. STORMWATER MANAGEMENT GUIDANCE FOR INDIVIDUAL SINGLE FAMILY RESIDENTIAL LOT DEVELOPMENT:

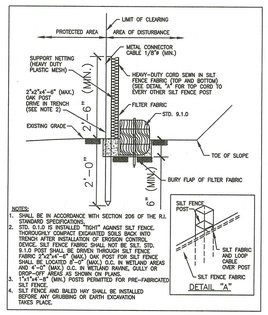
DWELLING ROOF AREA = 2,700 S.F.

SIZING OF A VEGETATED SWALE BASED ON SANDY SOILS = 80 S.F. (BOTTOM) PER EACH 1000 S.F. TOTAL AREA = 2700÷1000x80 S.F. = 216 S.F. REQUIRED PROVIDED 7.5' WIDE (BOTTOM)x30' LONG (BOTTOM) VEGETATED SWALE, 8" MIN. DEPTH (AREA = 225 S.F.)

IMPERVIOUS DRIVEWAY AREA = 1,800 S.F.

SIZING OF A VEGETATED SWALE BASED ON SANDY SOILS = 80 S.F. (BOTTOM) PER EACH 1000 S.F. TOTAL AREA = 1800÷1000x80 S.F. = 144 S.F. REQUIRED PROVIDED 7.5' WIDE (BOTTOM)x20' LONG (BOTTOM) VEGETATED SWALE, 8" MIN. DEPTH (AREA = 150 S.F.)





SOIL EVALUATION TEST RESULTS
APPLICATION NO. 2216-0855

PARCEL NO.	DEPTH OF TH	ESHWT
A SE-1	96"	48"
A SE-2	96"	48"
B SE-1	96"	48"
B SE-2	96"	60"
C SE-1	96"	42"
C SE-2	96"	42"
D SE-1	96"	24"
D SE-2	96"	24"
E SE-1	96"	24"
E SE-2	96"	24"

LEGEND:

- 420 EXISTING CONTOUR
- (420) DESIGN CONTOUR
- WETLAND FLAG
- 50 FT. PERIMETER WETLAND
- SILT FENCE OR EQUAL EROSION CHECK AND LIMITS OF DISTURBANCE
- SOIL EVALUATION TEST HOLE

THALMANN CONSULTING, LLC
STAMPED FOR CIVIL ENGINEERING ONLY

BRIAN P THALMANN
No. 14100
REGISTERED PROFESSIONAL ENGINEER
CIVIL

401-533-6227
BRIAN@THALENG.COM

-PROPERTY SITE PLAN-

FOR OWNERS:
MEADOWLANDS INVESTMENTS, LLC.
1287 CENTRAL AVENUE
JOHNSTON, R.I. 02919

AP 43 LOT 91
JOHNSTON — TOTAL AREA = 31.20±AC. — RHODE ISLAND

N. VELTRI SURVEY, INC.
SURVEYING-LAND PLANNING
401-640-0334
veltrisurvey@verizon.net

NO.	DATE	REVISION
	6.28.22	ORIG. ISSUE

SHEET 1 OF 1 SHEETS

SCALE: 1" = 40 NOTED | DRAWN: NV/BT | CHECKED BY: NV/BT