



State of Rhode Island
Coastal Resources Management Council
Oliver H. Stedman Government Center
4808 Tower Hill Road, Suite 3
Wakefield, RI 02879-1900

(401) 783-3370
Fax (401) 783-2069

PUBLIC NOTICE

File Number: 2021-11-058 Date: April 12, 2024

This office has under consideration the application of:

Jane S. Bromberg, Trustee
5 Winfield Court
Providence, RI 02906

for a State of Rhode Island Assent to construct and maintain: a ~230ft hybrid shoreline protection facility. The toe of the facility, 4 ft in elevation, is proposed to be constructed of riprap stone, and the remainder of the bluff is proposed to be stabilized with coir logs and vegetation. No variances are required.

Project Location:	430 West Reach Drive
City/Town:	Jamestown
Plat/Lot:	Plat 3, lot 9
Waterway:	Narragansett Bay

Plans of the proposed work can be requested at Cstaff1@crmc.ri.gov.

In accordance with the Administrative Procedures Act (Chapter 42-35 of the Rhode Island General Laws) you may request a hearing on this matter.

You are advised that if you have good reason to enter protests against the proposed work it is your privilege to do so. It is expected that objectors will review the application and plans thoroughly, visit site of proposed work if necessary, to familiarize themselves with the conditions and cite what law or laws, if any, would in their opinion be violated by the work proposed.

If you desire to protest, you must attend the scheduled hearing and give sworn testimony. A notice of the time and place of such hearing will be furnished you as soon as possible after receipt of your request for hearing. If you desire to request a hearing, to receive consideration, it should be in writing (**with your correct mailing address, e-mail address and valid contact number**) and be received at this office on or before **May 12, 2024**.

Please email your comments/hearing requests to: cstaff1@crmc.ri.gov; or mail via USPS to: Coastal Resources Management Council; O. S. Government Center, 4808 Tower Hill Road, Rm 116; Wakefield, RI 02879.

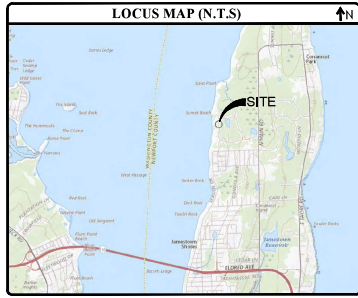
/lat

SITE IMPROVEMENT PLANS for a PROPOSED

HYBRID REVETMENT

430 WEST REACH DRIVE
JAMESTOWN, RHODE ISLAND
AP 3, LOT 9

ZONING DISTRICT: (RURAL RESIDENTIAL) RR-80



BENCHMARK	ELEVATION (FT+NAVD88)
MEAN LOW WATER (MLW)	-1.85 ⁽¹⁾
MEAN HIGH WATER (MHW)	1.60
10-YEAR STILLWATER EL.	5.7 ⁽²⁾
50-YEAR STILLWATER EL.	8.4 ⁽³⁾
100-YEAR STILLWATER EL.	11.2 ⁽³⁾

- NOTES:
- TIDAL BENCHMARKS REFERENCE NOAA TIDAL ELEVATIONS FOR WEST JAMESTOWN, RI (STATION 8453742), ACCEPTED MAY 3, 2004.
 - STORM SURGE ELEVATIONS OBTAINED FROM FLOOD INSURANCE STUDY, FEDERAL EMERGENCY MANAGEMENT AGENCY, VOLUME 1 OF 1, NEWPORT COUNTY, RHODE ISLAND (ALL JURISDICTIONS), FLOOD INSURANCE STUDY NO. 4409CV000C, REVISED JULY 6, 2021 BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, FOR COASTAL TRANSECT NO. 13.
 - BASED ON ITEM REFERENCED ABOVE, FOR COASTAL TRANSECT NO. 13, WAVE RUNUP ANALYSIS SFE = 18.7 (NAVD88) AND WAVE HEIGHT ANALYSIS SFE = 15.0 (NAVD88).

OWNER/APPLICANT BROMBERG JANE S TRUSTEE ATTN: ARDOLFO & JANE BROMBERG 6 WINFIELD CT. PROVIDENCE, RI 02906	WETLAND BIOLOGIST AVIDINS ENVIRONMENTAL SERVICES, INC. P.O. BOX 838 CHARLESTOWN, RI 02813	CIVIL ENGINEER JOE CASALI ENGINEERING, INC. 300 POST ROAD WARWICK, RI 02888 (401) 944-1300 phone (401) 944-1313 fax	SURVEYOR WATERMAN ENGINEERING CO. 46 SUTTON AVENUE EAST PROVIDENCE, RI 02914 (401) 438-5775 phone (401) 438-5773 fax
--	--	---	--

- GENERAL NOTES:
- CLASS I LIMITED CONTENT BOUNDARY AND PARTIAL CLASS III TOPOGRAPHIC/EXISTING CONDITIONS SURVEY COMPLETED BY WATERMAN ENGINEERING CO., INC., 46 SUTTON AVENUE, EAST PROVIDENCE, RI IN OCTOBER 2023 (SEE REFERENCE PLAN 1).
 - THE LOCATION AND DEPTH OF EXISTING UTILITIES ARE APPROXIMATE AND HAVE BEEN PLOTTED FROM THE LATEST AVAILABLE INFORMATION. THE UTILITY LOCATIONS ARE APPROXIMATE AND MAY NOT BE ALL INCLUSIVE. THE CONTRACTOR SHALL CHECK AND VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, BOTH OVERHEAD AND UNDERGROUND, AND "DIG-SAFE" MUST BE NOTIFIED PRIOR TO COMMENCING ANY CONSTRUCTION OPERATIONS. RESTORATION AND REPAIR OF DAMAGE TO EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WITH NO ADDITIONAL COST TO THE OWNER. NO EXCAVATION SHALL COMMENCE UNTIL ALL UTILITY COMPANIES AND/OR TOWN STAKEHOLDERS, WHOSE FACILITIES MIGHT BE AFFECTED BY ANY WORK, TO BE PERFORMED BY THE CONTRACTOR, ARE NOTIFIED AT LEAST 72 HOURS IN ADVANCE.
 - ALL ELEVATIONS REFERENCE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE HORIZONTAL DATUM FOR THIS PROJECT IS RHODE ISLAND STATE PLANE COORDINATE SYSTEM (RIAD 83).
 - THIS SITE LIES PARTIALLY IN ZONE VE (EL. 15) AND IN ZONE X (AREAS DETERMINED TO BE OUTSIDE OF THE 1% ANNUAL CHANCE FLOOD), AS DESIGNATED ON THE NATIONAL FLOOD INSURANCE PROGRAM FIRM FLOOD INSURANCE RATE MAP, NEWPORT COUNTY, RHODE ISLAND, TOWN OF JAMESTOWN, MAP NO. 4409050001, MAP REVISED: SEPTEMBER 4, 2013. FEDERAL EMERGENCY MANAGEMENT AGENCY.
 - SOLS EXISTING ON THE SITE CONSIST OF BEACHES AND BOULDERS, NEWPORT SILT LOAM (nsl), 3 TO 6 PERCENT SLOPES AND NEWPORT SILT LOAM (nsl), 8 TO 15 PERCENT SLOPES

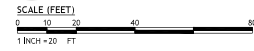
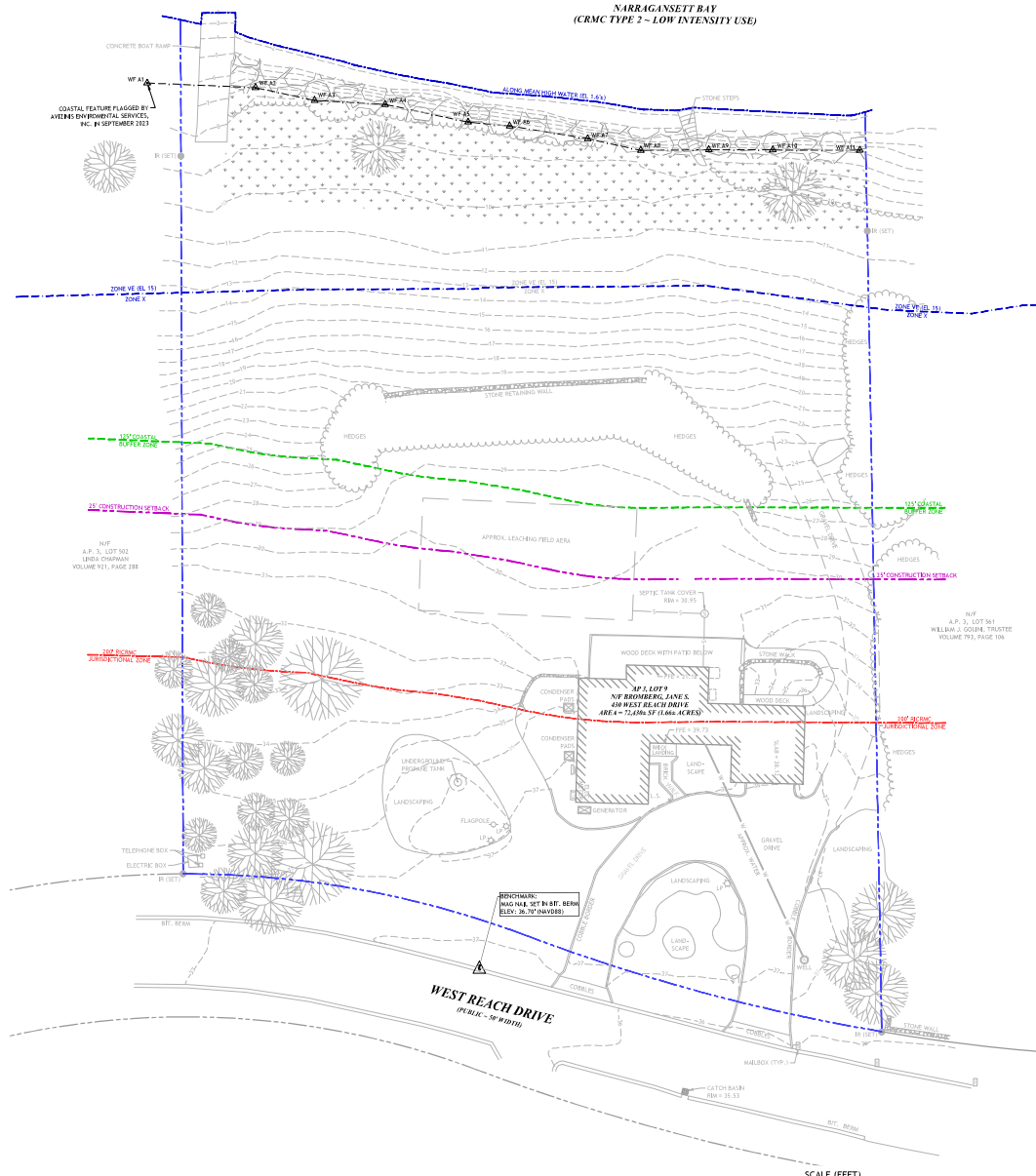
LEGEND:

- EXISTING PROPERTY LINE
- ABUTTING PROPERTY LINE
- COASTAL FEATURE EDGE
- COASTAL FEATURE FLAG
- MEAN HIGH WATER (MHW)
- FLOOD ZONE BOUNDARY
- COASTAL BUFFER ZONE
- CONSTRUCTION SETBACK
- BEACH JURISDICTIONAL ZONE
- EXISTING EASEMENT
- EXISTING SPOT ELEVATION
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING STONE WALL
- EXISTING CURB
- PROPOSED CURB
- EXISTING FENCE
- EXISTING DRAIN LINE
- PROPOSED DRAIN LINE
- EXISTING DRAINAGE MANHOLE
- PROPOSED DRAINAGE MANHOLE
- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN
- EXISTING UTILITY POLE
- EXISTING TELECOM DUCTBANK
- EXISTING ELECTRIC DUCTBANK
- EXISTING GAS LINE
- EXISTING WATER LINE
- WATER GATE
- EXISTING SEWER LINE
- EXISTING SEWER MANHOLE
- NW OR FORMERLY TREES
- SILT FENCE/STRAW WATTLE
- LIMIT OF DISTURBANCE

INDEX OF DRAWINGS

SHEET NO.	PLAN
1	EXISTING CONDITIONS PLAN
2	EROSION CONTROL AND SITE PREP PLAN
3	PROPOSED REVETMENT PLAN
4	NOTES & DETAILS

REFERENCE PLAN
1 of 1 BOUNDARY & TOPOGRAPHIC SURVEY PLAN (DRAWING # SU1)
PREPARED BY WATERMAN ENGINEERING COMPANY, OCTOBER 2023



JCE
JOE CASALI ENGINEERING, INC.
1000 WEST MAIN STREET, SUITE 100
PROVIDENCE, RHODE ISLAND 02908
(401) 944-1300

JOSEPH A. CASALI
7250
REGISTERED PROFESSIONAL ENGINEER
02/02/2024

PROPOSED HYBRID REVETMENT
430 WEST REACH DRIVE
JAMESTOWN, RHODE ISLAND
AP 3, LOT 9

RECEIVED 3/17/2024

REVISIONS

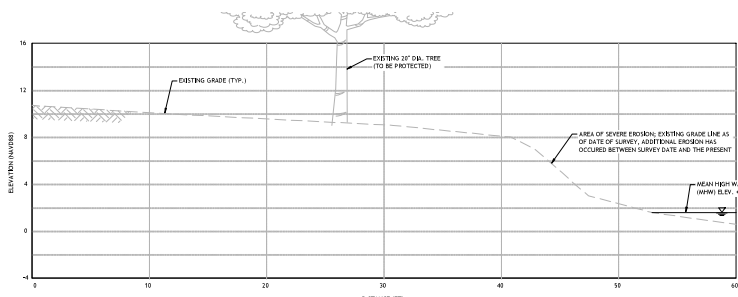
NO.	DATE	DESCRIPTION

DESIGNED BY: JCE
DRAWN BY: JCE
CHECKED BY: JCE
DATE: JANUARY 2024
REVISED BY: JCE

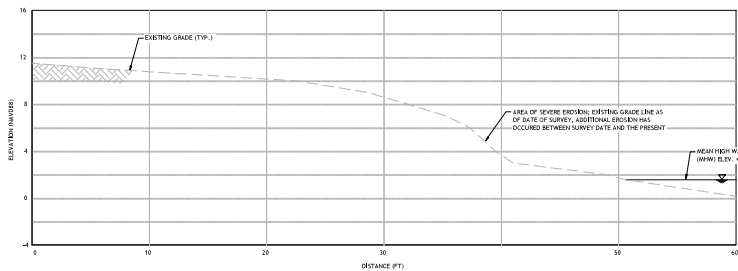
PRELIMINARY. NOT FOR CONSTRUCTION

EXISTING CONDITIONS PLAN
SHEET 1 OF 4

PROJECT: WEST REACH DRIVE HYBRID REVETMENT; SHEET: 1 OF 4; DATE: 01/15/2024; SCALE: 1"=20'; DRAWN BY: JCE; CHECKED BY: JCE; DESIGNED BY: JCE; PREPARED BY: WATERMAN ENGINEERING COMPANY, OCTOBER 2023



EXISTING SHORELINE CROSS SECTION A-A
HORIZONTAL: 1" = 5'
VERTICAL: 1" = 5'



EXISTING SHORELINE CROSS SECTION B-B
HORIZONTAL: 1" = 5'
VERTICAL: 1" = 5'

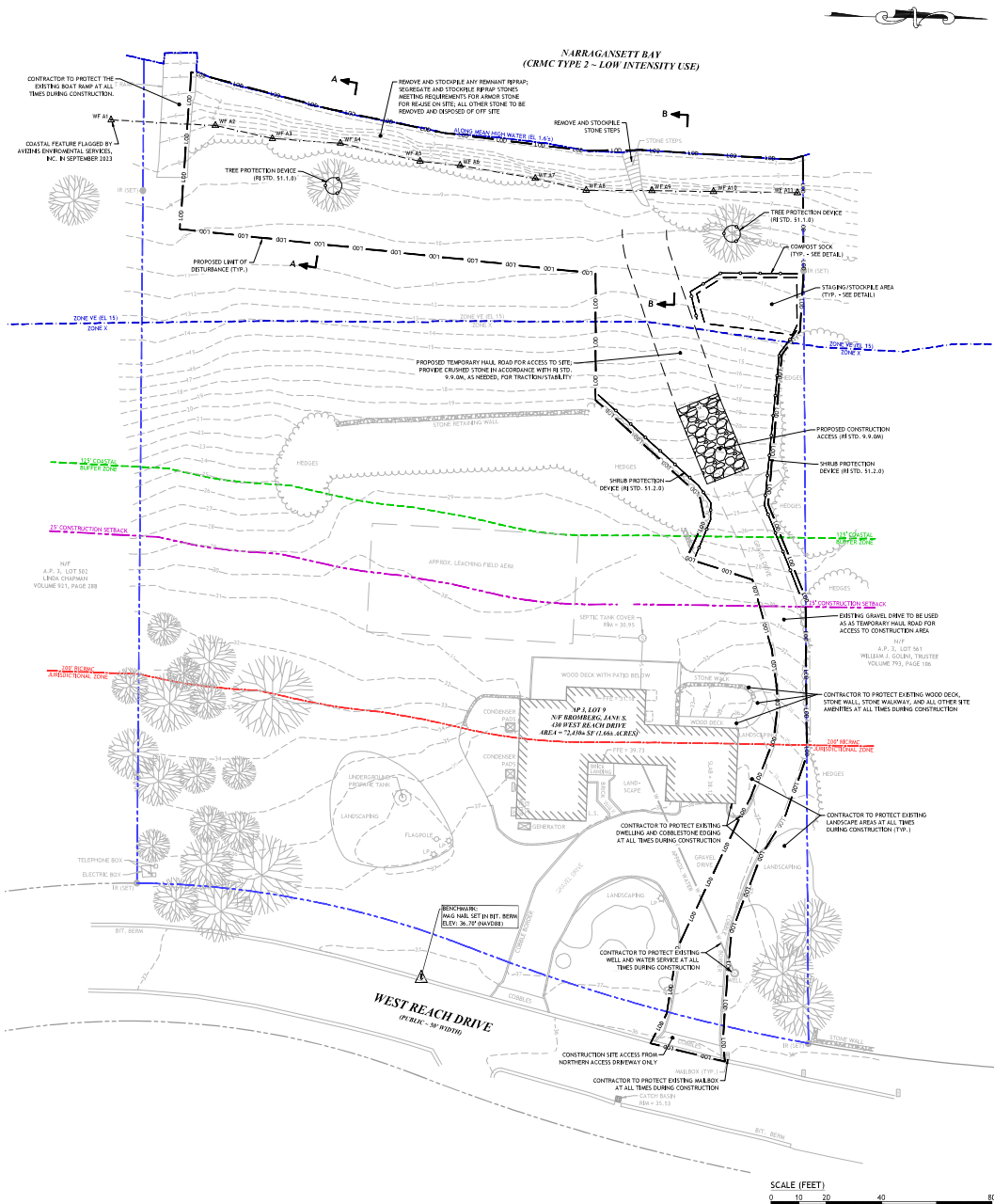
SOIL EROSION AND SEDIMENTATION CONTROL NOTES:

1. THE LIMIT OF DISTURBANCE LINE ILLUSTRATED ON THESE PLANS SHALL SERVE AS THE STRICT LIMIT OF DISTURBANCE FOR THE PROJECT.
2. THE LIMITS OF CLEARING, GRADING, AND DISTURBANCE SHALL BE KEPT TO A MINIMUM WITHIN THE PROPOSED AREA OF CONSTRUCTION. ALL AREAS OUTSIDE OF THESE LIMITS, AS DEPICTED ON THE PLAN SHALL BE TOTALLY UNDISTURBED, TO REMAIN IN NATURAL CONDITION.
3. ALL DISTURBED SLOPES EITHER NEWLY CREATED OR CURRENTLY EXPOSED SHALL BE SEEDDED, PROTECTED AND MAINTAINED BY THE CONTRACTOR. THE CONTRACTOR SHALL REGULARLY CHECK ALL SEEDED AREAS TO ENSURE THAT A GOOD STANDING OF VEGETATION IS MAINTAINED.
4. ALL SILT FENCE, TEMPORARY TREATMENT PANS, STRAW, ETC. AND TEMPORARY EROSION PROTECTION SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GRAIN COVER IS ESTABLISHED.
5. STOCKPILES OF TOPSOIL SHALL NOT BE LOCATED NEAR WATERWAYS. THEY SHALL HAVE SIDE SLOPES OF 4:1 GREATER THAN 1:1 AND SHALL BE TEMPORARILY SEEDDED AND/OR STABILIZED PER CONTRACT SPECIFICATIONS.
6. THE SILT FENCE BARBLES SHALL BE CHECKED BY THE CONTRACTOR ON A WEEKLY BASIS AND AFTER EACH STORM FOR LACKING OR DETERIORATION. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY SILT FENCE BARBLES AS NEEDED. THE CONTRACTOR SHALL CLEAN THE ACCUMULATED SEDIMENT BY HALF OF THE ORIGINAL HEIGHT OF THE PIV-MALES BECOMES FILLED WITH SEDIMENTS.
7. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL SOIL EROSION AND SEDIMENTATION CONTROLS ON THE PROJECT SITE FOR THE DURATION OF THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL FOLLOW THE DIRECTION OF THE RESIDENT ENGINEER, TOWN ENGINEER, OR OWNER WITH REGARD TO INSTALLATION, MAINTENANCE, AND REPAIR OF ALL SOIL EROSION AND SEDIMENTATION CONTROLS ON THE PROJECT SITE. TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROLS (BARBLES, SILT FENCES, ETC.) SHALL BE MAINTAINED UNTIL ALL EXPOSED SOIL ARE SATISFACTORILY STABILIZED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AND/OR RESEEDING ALL AREAS THAT DO NOT DEVELOP WITHIN ONE YEAR FROM THE COMPLETION OF CONSTRUCTION.
8. ALL REFERENCED SOIL EROSION AND SEDIMENTATION CONTROLS INCLUDING MATERIALS USED, APPLICATION RATES AND THE INSTALLATION PROCEDURES SHALL BE PERFORMED PER THE "RHODE ISLAND EROSION AND SEDIMENTATION HANDBOOK, JANUARY 1993, PARAGRAPH 29.4."

SEQUENCE & STAGING OF PROPOSED CONSTRUCTION ACTIVITIES:

THIS IS A GENERAL SEQUENCE AND STAGING OF CONSTRUCTION ACTIVITIES. A DETAILED SEQUENCE WITH TIME SLIPS SHALL BE ESTABLISHED BY THE CONTRACTOR IN COORDINATION WITH THE OWNER AND ENGINEER PRIOR TO THE START OF CONSTRUCTION.

1. PLACE SEDIMENTATION BARRIERS AS SHOWN ON THE PLANS AND AS STAKED OUT IN THE FIELD. IN NO CASE IS THE LIMIT OF WORK TO EXTEND BEYOND THE SEDIMENTATION BARRIERS.
2. BEGIN SITE WORK (CLEARING AND GRUBBING, DISCING AND GRADING ETC.). ANY TOPSOIL IS TO STRIPPED AND STOCKPILED WITHIN DISTURBANCE LIMITS. THE STOCKPILES ARE TO BE PROTECTED BY A ROW OF SEDIMENTATION BARRIERS. STOCKPILES TO BE COVERED OR TEMPORARILY SEEDDED.
3. PERFORM DEMOLITION AS DEPICTED ON THE SITE PREPARATION PLAN.
4. BEGIN PROPOSED GRADING, BRING REVELMENT TO BOTTOM OF REEDED LAYER, SEED ALL DISTURBED AREAS.
5. INSTALL GEOTEXTILE FILTER FABRIC, STONE BEDDING AND JAWBOR STONE.
6. INSTALL SLOTTED ORNAMENT. INSTALL STAIRS.
7. MAINTAIN SEDIMENT AND EROSION CONTROLS THROUGHOUT CONSTRUCTION, UNTIL PERMANENT STABILIZATION IS ACHIEVED.
8. FINISH LANDSCAPING AND PERMANENT STABILIZATION.
9. REMOVE ALL TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES ONCE VEGETATION HAS BEEN ESTABLISHED TO ALL DISTURBED AREAS.



JOSEPH A. CASALI
7250
REGISTERED PROFESSIONAL ENGINEER
02/01/2014

PROPOSED HYBRID REVETMENT
430 WEST REACH DRIVE
JAMESTOWN, RHODE ISLAND
AP 3, LOT 9

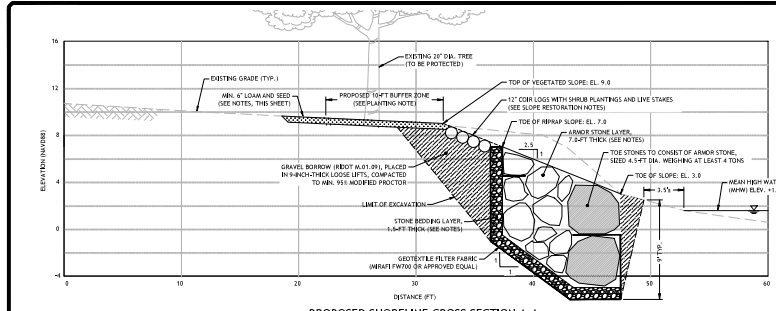
NO.	DATE	DESCRIPTION

DESIGNED BY: EBP
DRAWN BY: MCV
CHECKED BY: MCV
DATE: JANUARY 2024
PROJECT NO.: 0240

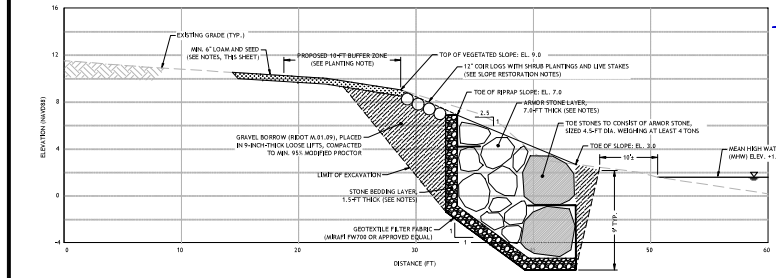
PRELIMINARY, NOT FOR CONSTRUCTION

EROSION CONTROL AND SITE PREP. PLAN

SHEET 2 OF 4



PROPOSED SHORELINE CROSS SECTION A-A
 HORIZONTAL: 1" = 5'
 VERTICAL: 1" = 5'



PROPOSED SHORELINE CROSS SECTION B-B
 HORIZONTAL: 1" = 5'
 VERTICAL: 1" = 5'

ARMOR STONE NOTES:

1. THE CONTRACTOR SHALL LIMIT THE AMOUNT OF EXPOSED SHORLINE DURING CONSTRUCTION TO AS TO MINIMIZE THE CHANCE OF SHORELINE RECESION SHOULD A LARGE STORM EVENT OCCUR DURING THE CONSTRUCTION. IF SUCH AN EVENT IS FORECASTED, THE CONTRACTOR SHALL TEMPORARILY PLACE ARMOR STONE MATERIAL ALONG ANY EXPOSED AREA OF SHORELINE AS A TEMPORARY PROTECTION MEASURE.
2. ARMOR STONE SHALL BE DENSE, SOUND SHELS, DEBRITE, OR BASALT, HAVING A MINIMUM DENSITY OF 165 POUNDS PER CUBIC FOOT.
3. ARMOR STONES SHALL HAVE AN AVERAGE HEIGHT OF NO LESS THAN 4.00 POUNDS (4 TONS), WITH AN AVERAGE DIAMETER OF APPROXIMATELY 4.5 FT. SPHERICAL STONES SHALL BE LARGER THAN THESE LIMITS. ARMOR STONES SHALL BE NO LESS THAN 100 POUNDS IF TONS, AND NO LESS THAN 4 FT IN DIAMETER. ARMOR STONES SHALL BE NO LARGER THAN 10,000 POUNDS (5 TONS), AND NO LARGER THAN 1.5 FT IN DIAMETER.
4. ARMOR STONE SHALL BE PLACED SUCH THAT THEY DO NOT PROTRUDE SHARPLY FROM THE SLOPE FACE; HOWEVER, THE SLOPE FACE SHALL NOT BE EXCESSIVELY FLAT AND STONES SHALL NOT BE EXCESSIVELY TIGHT.
5. FILTER STONE SHALL CONSIST OF CRUSHED DURABLE STONE, HAVING A MINIMUM DENSITY OF 165 PCF. FILTER STONE SHALL CONFORM TO THE GRANULOMETER REQUIREMENTS FOR ANIMAL STONE ASSOCIATED WITH SECTION 10.02 OF THE RIDGE ISLAND STANDARD DETAILS FOR ROAD AND BRIDGE CONSTRUCTION, WITH ALL LATEST REVISIONS AND AMENDMENTS.
6. THREE POINTS OF CONTACT ARE REQUIRED BETWEEN A STONE AND OTHER STONES WITHIN THE SAME LAYER. STONES SHOULD BE NEVELY AND FITTED, MAINTAINING CONTACT ON ALL SIDES.
7. CONTRACTOR MUST SUMMIT QUARRY SOURCE TO THE OWNER AND ENGINEER FOR ALL STONE MATERIALS PRIOR TO ORDERING OR SHIPPING TO THE SITE.
8. FILTER FABRIC SHALL BE WRAPPED BACK INTO FILTER STONE AT ALL TERMINATIONS.

LOADING & SEEDING NOTES:

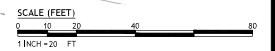
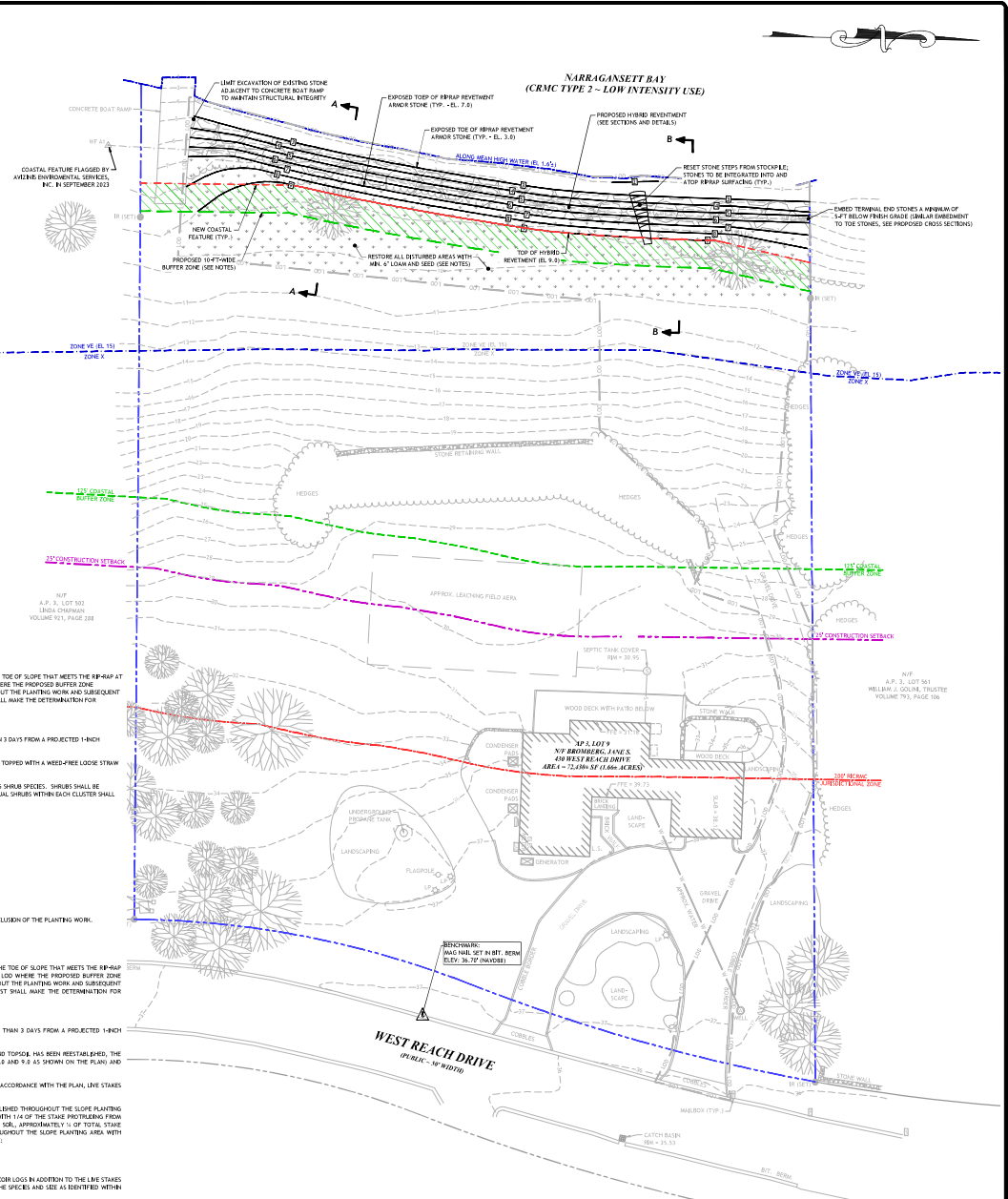
1. SEEDING ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 10.01 (SEEDING) OF THE RIDGE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION, 2018 EDITION (WITH LATEST ADDENDA).
2. AFTER ROUGH GRADING IS COMPLETED, ALL DISTURBED AREAS AND AREAS LABELED AS SOAK AND SEEP ARE TO BE BROUGHT TO AN ELEVATION OF 6" BELOW THE PROPOSED FINISHED GRADE. SCARIFY THE SUBGRADE TO A DEPTH OF 12" WITH THE TIEBTS OF A BACKHOE OR A POWER RAKE TO RESULT IN AN UNCOMPACTED SUBGRADE. 6" OF GOOD QUALITY TOPSOIL TO BE APPLIED AND RAKE TO FINISHED GRADE.
3. THE TOPSOIL IS TO BE 6,000 QUALITY LOAM, FERTILE AND FREE OF WEEDS, STICKS AND STONES OVER 3/4" IN SIZE AND OTHERWISE COMPLING WITH SECTION 10.01.01 OF THE RIDGE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION, 2018 EDITION (WITH LATEST ADDENDA).
4. **SEEDING:**
 - 4.1. AFTER THE SEED BED IS PREPARED, SEED IS TO BE BROADCAST EVENLY OVER THE SURFACE AND WORKED INTO THE TOP 2" OF SOIL.
 - 4.2. SEED FOR REVEGETATION SLOPE AND A MINIMUM 10-FT UP-DROUGHT FROM TOP OF SLOPE SHALL CONSIST OF COASTAL SALT TOLERANT SEED MIX. BY ALLIUMS SEED, 40% SOUTH COUNTY TRAIL, DEETEL, PA. 1.8 BY WEIGHT AS FOLLOWS, APPLY AT A RATE OF 50 POUNDS PER 1,000 SQ. FT. OR AS OTHERWISE DIRECTED BY THE MANUFACTURER:
 - 20% HEATHLAND CHEWERS FESCUE
 - 18% CREeping RED FESCUE
 - 15% SALT T. ALFA GRASS
 - 13% HARVARD HARE FESCUE
 - 12% SALT T. SHEEP FESCUE
 - 12% CRICKET RYEGRASS
 - 10% ANNUAL RYE
 - 4.3. SEED FOR ALL OTHER AREAS TO CONSIST OF LIRI #2 IMPROVED SEED MIX. 1 BY WEIGHT AS FOLLOWS, APPLY AT A RATE OF 4-1 LBS. PER 1000 SQUARE FEET OR AS OTHERWISE DIRECTED BY THE MANUFACTURER:
 - 40% CREeping RED FESCUE
 - 20% IMPROVED PERENNIAL BLYERGRASS
 - 20% IMPROVED KENTUCKY BLUEGRASS
 - 20% KENTUCKY BLUEGRASS
5. RECOMMENDED SEEDING DATES ARE MARCH 15 TO JUNE 15. ALTERNATIVE DATES ARE SEPTEMBER 15 TO NOVEMBER 15; HOWEVER, ADDITIONAL DISCRETIONARY CONTROLS MAY BE REQUIRED. AT THE CONTRACTORS DISCRETION, SEED MAY BE APPLIED BY HYDROSEEDING RATHER THAN THE METHOD DESCRIBED ABOVE.

BUFFER ZONE PLANTING NOTES:

1. ALL WORK SHALL BE OVERSEEN BY A QUALIFIED WETLAND BIOLOGIST/SCIENTIST.
2. AN EROSION CONTROL LINE WILL BE ESTABLISHED AT THE MARCHES OF THE LIMIT OF DISTURBANCE AND DOWN TO THE TOE OF SLOPE THAT MEETS THE RIMP-RAP AT ELEVATION 7.5. EROSION CONTROLS SHALL ALSO BE ESTABLISHED AT THE LANDWARD LIMITS OF THE PROJECT LOW WHERE THE PROPOSED BUFFER ZONE TRANSITS INTO UNDISTURBED LANDS (OUTSIDE PROJECT LOW). THESE CONTROLS SHALL REMAIN IN PLACE THROUGHOUT THE PLANTING WORK AND SUBSEQUENT REGROWTH/MONITORING PERIOD UNTIL SUCH A POINT THAT THE SITE HAS STABILIZED. THE WETLAND BIOLOGIST SHALL MAKE THE DETERMINATION FOR REMOVAL OF THE CONTROLS.
3. EROSION CONTROLS SHALL BE MONITORED FOR EFFICACY THROUGHOUT THE PLANTING PROCESS.
4. THE PLANTING PROTOCOL SHALL TAKE PLACE AS SOON AS CRMC GRANTS APPROVAL OF THIS PLAN BUT NOT LESS THAN 3 DAYS FROM A PROJECTED 1-INCH RAINFALL.
5. THE BUFFER ZONE PLANTING AREA SHALL BE SEEDED IN ACCORDANCE WITH THE LOADING AND SEED NOTES AND THEN TOPPED WITH A WEED-FREE LODGE STRAW MULCH.
6. PLANTINGS IN THE BUFFER PLANTING AREA SHALL INCLUDE A COMBINATION OF AT LEAST FOUR (4) OF THE FOLLOWING SHRUB SPECIES. SHRUBS SHALL BE PLANTED IN CLUSTERS OF 3 TO 4 LINE SPACES (S.P.) INDIVIDUALS, WITH EACH CLUSTER SPACED 3-4 FEET APART. INDIVIDUAL SHRUBS WITHIN EACH CLUSTER SHALL BE SPACED 3-4 FEET ON CENTER AND 24"-36" IN HEIGHT AFTER PLANTING.
 - 6.1. REDTIDY DOGWOOD (CORNUS VERTICILLATA)
 - 6.2. SLICKY DOGWOOD (CORNUS AMOMUM)
 - 6.3. CAROLINA BLOSS (RUBUS CASCADENSIS)
 - 6.4. RIBBERRY (VIBURNUM GLABRUM)
 - 6.5. STEENBRUSH (VIBURNUM TOmentosum)
 - 6.6. RUNNING SERRAPERERY (LAMELLOCHERIS STOLONIFERA)
 - 6.7. LOWLAND BLUEBERRY (VACCINIUM ANAGALLIFOLIUM)
 - 6.8. HIGH TIDE BUSH (RA. FRUTESCENS)
 - 6.9. SALL BURN (RUBUS LUTESCENS)
 - 6.10. BLACK CHERRYBERRY (LARDONIA MELANOCARPA)
 - 6.11. VIRGINIA ROSE (ROSA VIRGINIANA)
7. PLANTINGS THAT FAIL TO SURVIVE WITHIN THE FIRST TWO YEARS OF PLANTING SHALL BE REPLACED IN KIND.
8. A MONITORING REPORT SHALL BE PREPARED BY THE WETLAND BIOLOGIST AND SUBMITTED TO THE CRMC AT THE CONCLUSION OF THE PLANTING WORK.

SLOPE PLANTING NOTES:

1. ALL WORK SHALL BE OVERSEEN BY A QUALIFIED WETLAND BIOLOGIST/SCIENTIST.
2. AN EROSION CONTROL LINE WILL BE ESTABLISHED AT THE MARCHES OF THE LIMIT OF DISTURBANCE AND DOWN TO THE TOE OF SLOPE THAT MEETS THE RIMP-RAP AT ELEVATION 7.5. EROSION CONTROLS SHALL ALSO BE ESTABLISHED AT THE LANDWARD LIMITS OF THE PROJECT LOW WHERE THE PROPOSED BUFFER ZONE TRANSITS INTO UNDISTURBED LANDS (OUTSIDE PROJECT LOW). THESE CONTROLS SHALL REMAIN IN PLACE THROUGHOUT THE PLANTING WORK AND SUBSEQUENT REGROWTH/MONITORING PERIOD UNTIL SUCH A POINT THAT THE SITE HAS STABILIZED. THE WETLAND BIOLOGIST SHALL MAKE THE DETERMINATION FOR REMOVAL OF THE CONTROLS.
3. EROSION CONTROLS SHALL BE MONITORED FOR EFFICACY THROUGHOUT THE PLANTING PROCESS.
4. THE PLANTING PROTOCOL SHALL TAKE PLACE AS SOON AS CRMC GRANTS APPROVAL OF THIS PLAN BUT NOT LESS THAN 3 DAYS FROM A PROJECTED 1-INCH RAINFALL.
5. THE APPROVED STRUCTURAL COMPONENTS OF THE PLAN SHALL BE IMPLEMENTED AT THIS TIME. AFTER GRADING AND TOPSOIL HAS BEEN REESTABLISHED, THE 12" COB LOG SHALL BE ESTABLISHED ON CONDITIONS WITHIN THE SLOPE PLANTING AREA BETWEEN ELEVATION 7.5 AND 9.5 AS SHOWN ON THE PLAN) AND STAKED WITH 1" X 1" X 1" WOODEN, BROADCASTABLE STAKES AS NECESSARY.
6. UPON COMPLETION OF THE PLACEMENT AND IMPLEMENTATION OF THE STRUCTURAL COMPONENTS AND COB LOGS IN ACCORDANCE WITH THE PLAN, LINE STAKES SHALL BE STAKED THROUGHOUT THE SLOPE PLANTING AREA AND INTO THE COB LOGS.
7. LIFE STAKES SHALL BE STAKED IN WATER AND KEPT OUT OF SUNLIGHT PRIOR TO PLANTING. STAKES SHALL BE ESTABLISHED THROUGHOUT THE SLOPE PLANTING AREA PERPENDICULAR TO THE SLOPE, APPROXIMATELY 3/4 OF AN INDIVIDUAL STAKE SHOULD BE WITHIN THE SOIL WITH 1/4 OF THE STAKE PROTRUDING FROM THE SOIL. LIFE STAKE PLANTING SHOULD HAVE THE BARK REMOVED AT THE BASE OF THE STAKE AND GOING INTO SOIL, APPROXIMATELY 1/3 OF TOTAL STAKE LENGTH TO FACILITATE ROOT GROWTH AND PLANTING EFFICACY. LIFE STAKES SHOULD BE SPACED EVENLY THROUGHOUT THE SLOPE PLANTING AREA WITH HIGHER PLANT DENSITIES WITHIN THE COB LOGS TO PROMOTE STABILIZATION. LIFE STAKE PLANTINGS SHALL INCLUDE:
 - 7.1. RED CEDAR DOGWOOD (CORNUS FLORIDA)
 - 7.2. SLICKY DOGWOOD (CORNUS AMOMUM)
 - 7.3. NINEBARK (PHYNOCARPUS FLEXILIS)
8. SHRUB PLANTINGS FROM TRADITIONAL STOCK MAY BE PLANTED WITHIN THE SLOPE PLANTING AREA AND WITHIN THE COB LOGS IN ADDITION TO THE LIFE STAKES PROPOSED WHERE FURTHER PLANT EFFICACY IS REQUIRED. TRADITIONAL NURSERY STOCK PLANTINGS SHALL BE OF THE SPECIES AND SIZE AS IDENTIFIED WITHIN THE BUFFER ZONE PLANTING NOTES.
9. THE SLOPE PLANTING AREA SHALL BE SEEDED IN ACCORDANCE WITH THE LOADING AND SEED NOTES AND THEN TOPPED WITH A WEED-FREE LODGE STRAW MULCH.
10. PLANTINGS THAT FAIL TO SURVIVE WITHIN THE FIRST TWO YEARS OF PLANTING SHALL BE REPLACED IN KIND.
11. A MONITORING REPORT SHALL BE PREPARED BY THE WETLAND BIOLOGIST AND SUBMITTED TO THE CRMC AT THE CONCLUSION OF THE PLANTING WORK.



JCE
 JOSEPH A. CASALI ENGINEERING, INC.
 100 THURGOOD FOLLOWS, WARRINGTON, RI 02880
 (401) 844-1000

JOSEPH A. CASALI
 7250
 REGISTERED PROFESSIONAL ENGINEER
 02/01/2014

PROPOSED HYBRID REVEGETATION
 430 WEST REACH DRIVE
 JAMESTOWN, RHODE ISLAND
 AP 3, LOT 9

REVISIONS:

NO.	DATE	DESCRIPTION

DESIGNED BY: JAC
 DRAWN BY: JAC
 CHECKED BY: JAC
 DATE: 15 JANUARY 2024
 PROJECT NO.: 24-001

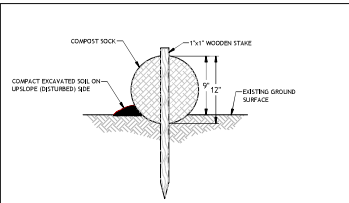
PRELIMINARY, NOT FOR CONSTRUCTION

PROPOSED REVEGETATION PLAN

SHEET 3 OF 4

JOSEPH A. CASALI ENGINEERING, INC. 100 THURGOOD FOLLOWS, WARRINGTON, RI 02880 TEL: (401) 844-1000 FAX: (401) 844-1001

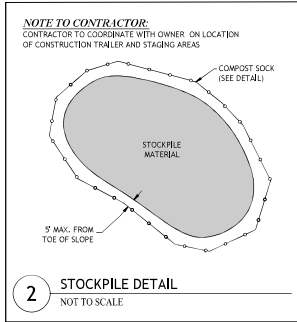




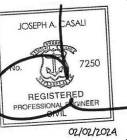
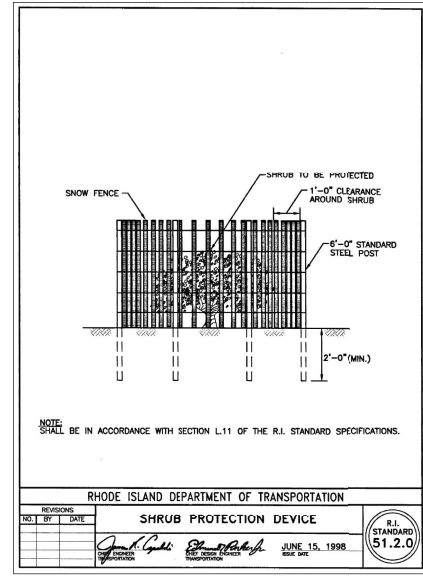
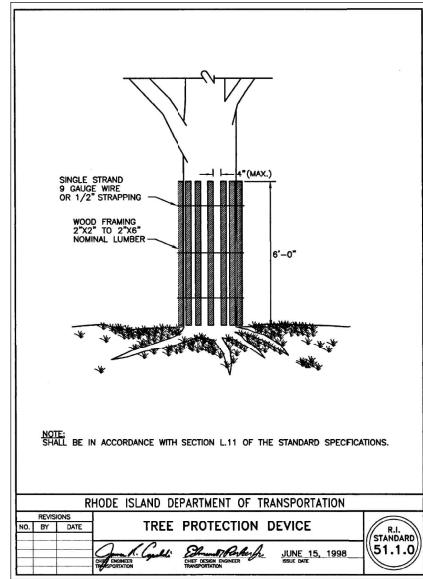
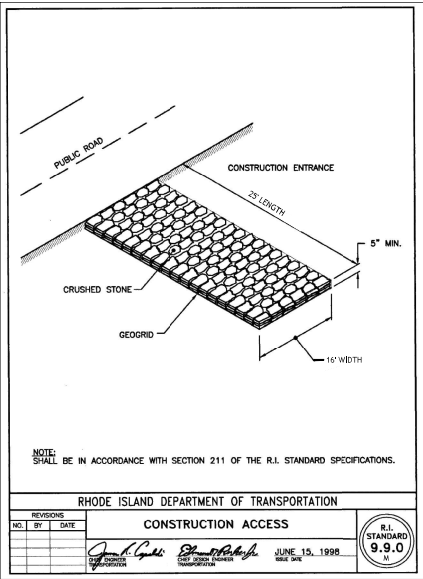
NOTES:

1. BEGIN COMPOST SOCK INSTALLATION BY EXCAVATING A 2 TO 3-INCH-DEEP BY 9" WIDE TRENCH ALONG THE CONTOUR OF THE SLOPE OR ALONG THE EXISTING GROUND SURFACE. EXCAVATED SOIL SHOULD BE PLACED UP-SLOPE OR ON THE DISTURBED SIDE OF THE ANCHOR TRENCH.
2. PLACE COMPOST SOCK IN THE TRENCH SUCH THAT IT CONTOURS TO THE EXISTING SOIL SURFACE. COMPACT SOIL FROM THE EXCAVATED TRENCH AGAINST THE COMPOST SOCK ON THE UP-SLOPE OR DISTURBED SIDE. ADJACENT COMPOST SOCKS SHOULD TIGHTLY ABUT.
3. SECURE COMPOST SOCK WITH 18 TO 24-INCH-LONG STAKES. INSTALL AN ADDITIONAL STAKE AT EACH END OF THE COMPOST SOCK. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE COMPOST SOCK LEAVING AT LEAST 2 TO 3 INCHES OF STAKE EXTENDING ABOVE. THE STAKES SHOULD BE DRIVEN PERPENDICULAR TO THE SLOPE FACE OR GROUND SURFACE.

1 EROSION CONTROL COMPOST SOCK
NOT TO SCALE



2 STOCKPILE DETAIL
NOT TO SCALE



PROPOSED HYBRID RETEWMET
430 WEST REACH DRIVE
JAMESTOWN, RHODE ISLAND
AP 3, LOT 9

REVISIONS	
NO.	DATE / DESCRIPTION

PRELIMINARY, NOT FOR CONSTRUCTION

SITE DETAILS

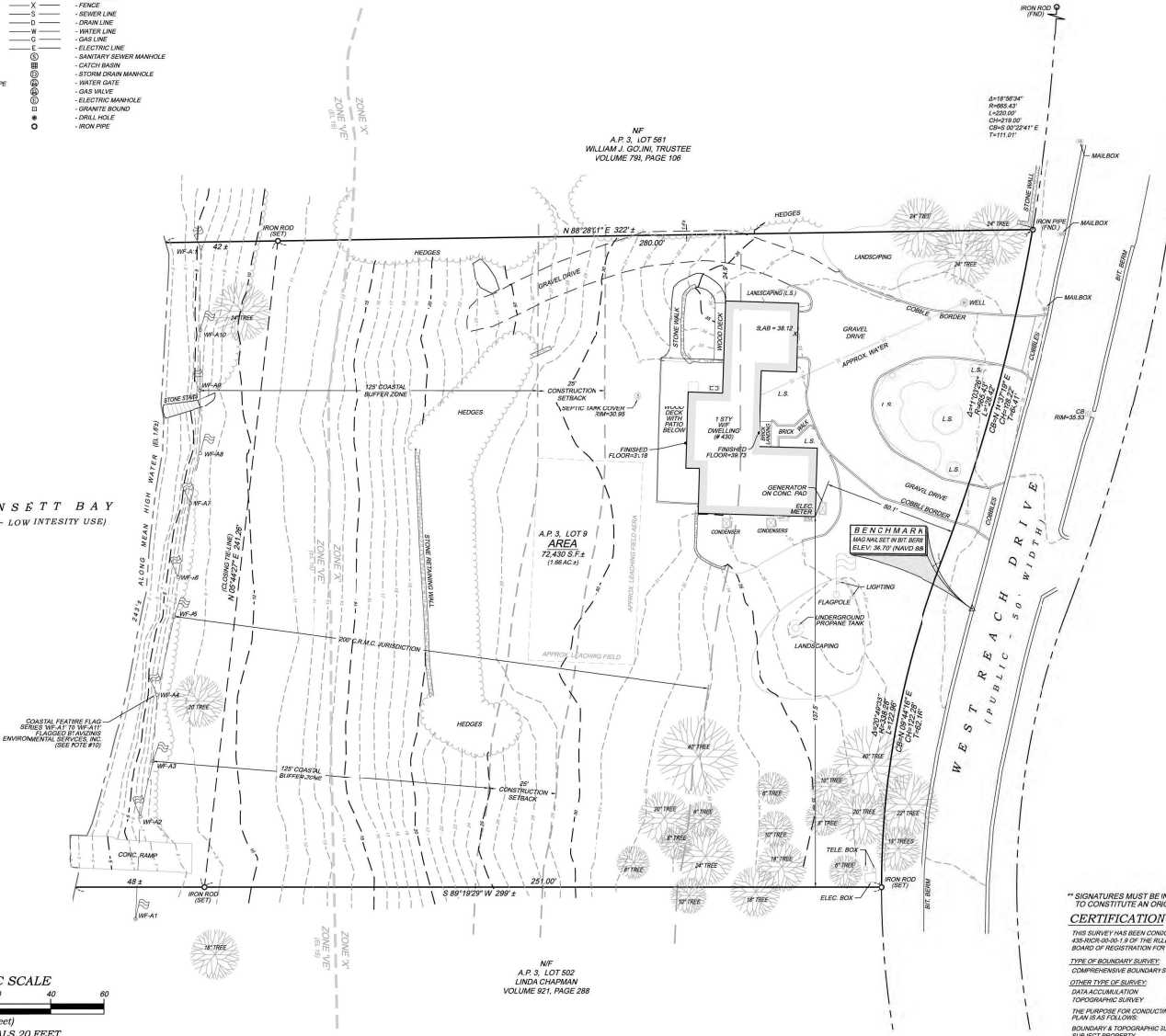
SHEET 4 OF 4



LEGEND & ABBREVIATIONS

NF	- NOW OR FORMERLY	---	- PROPERTY LINE
A.P.	- ASSESSORS PLAT	- - -	- ZONING SETBACK LINE
S.F.	- SQUARE FEET	- - -	- EXISTING CONTOUR
AC	- ACRES	- - -	- NEW CONTOUR
#	- PLUS OR MINUS	- - -	- STONE WALL
STY	- STORY	X	- FENCE
WF	- WOOD FRAMED	S	- SEWER LINE
SHF	- STATE HIGHWAY PLAT	D	- DRAIN LINE
RET	- RETAINING WALL	W	- WATER LINE
PRD	- PAVED	C	- GAS LINE
(FND)	- FOUND	E	- ELECTRIC LINE
RHBL	- RH HIGHWAY BOUND	SMB	- SANITARY SEWER MANHOLE
PMAL	- MASONRY WALL	CB	- CATCH BASIN
FE	- FLARED END	SDM	- STORM DRAIN MANHOLE
RCP	- REINFORCED CONCRETE PIPE	WG	- WATER GATE
CLF	- CHAIN LINK FENCE	GW	- GAS VALVE
HW	- H-WERT	EM	- ELECTRIC MANHOLE
X 10.80	- EXISTING SPOT GRADE	GR	- GRANITE BOUND
1	- NEW SPOT GRADE	DH	- DRILL HOLE
		RP	- IRON PIPE

NARRAGANSETT BAY
(C.R.M.C. - TYPE 2 - LOW INTENSITY USE)

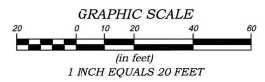


NOTES / REFERENCES

- REFERENCE IS MADE TO THE FOLLOWING MAPS AND PLANS OF RECORD:
 - PLAN ENTITLED "WEST REACH ESTATES, TOWN OF JAMESTOWN, PREPARED FOR NEWPORT ELECTRIC CORPORATION, SCALE: 1"=100, SHEET 2 OF 2, DATED 11/14/04.
 - PLAN ENTITLED "WEST REACH ESTATES, TOWN OF JAMESTOWN, OWNER: COMMERCIAL OFFICE REFINING CORP., PREPARED BY PATRICK E. BRAY, LANDSCAPE ARCHITECT, SHEET 3 OF 3, DATED FILED NOV. 18, 1974."
- REFERENCE IS MADE TO THE FOLLOWING TOWN OF JAMESTOWN LAND EVIDENCE RECORDS REGARDING RECORDED TITLE TO THE PREMISES SURVEYED:
 - ASSESSORS PLAT 3, LOT 9 - JANE S. BROMBERG - VOLUME 984, PAGE 154
 - THESE PREMISES MAY BE SUBJECT TO THE FOLLOWING EASEMENTS, RIGHTS OF WAY OR AGREEMENTS OF RECORD:
 - 1/8TH INTEREST IN AND TO LOTS 33 & 34 AND ROSAMOND AND TEFFY PONDS LAD OUT ON THE RECORDS FILED AND RIGHTS IN COMMON WITH OTHERS TO USE FOOT PATH FROM FORE ROYAL COURT AND FLY JB COURT AS DESCRIBED IN VOLUME 984, PAGE 154.
 - SUBJECT TO CONDITIONS AND RESTRICTIONS IN WEST REACH ESTATES.
- THESE PREMISES ARE SITUATED IN AN RR-80 ZONE (RURAL RESIDENTIAL, 80,000 SQ. FT.). DIMENSIONAL REQUIREMENTS:

MIN. LOT AREA	= 80,000 SQ. FT.
MIN. FRONTAGE / LOT WIDTH	= 200 FT.
MIN. SB FRONT YARD	= 40 FT.
MIN. SB REAR YARD	= 40 FT.
MIN. SB SIDE YARD	= 30 FT.
MAX. STRUCTURE HEIGHT	= 35 FT.
MAX. LOT COVERAGE	= 30%

NOTE: ZONING INFORMATION IS FROM CURRENT ZONING AND MAY NOT REFLECT THE CONDITIONS AT THE TIME OF CONSTRUCTION OR ANY VARIANCES GRANTED.
- THESE PREMISES ARE SITUATED IN A ZONE VE (EL. 15) & ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN AS DESIGNATED ON THE NATIONAL FLOOD INSURANCE PROGRAM FIRM FLOOD INSURANCE RATE MAP NEWPORT COUNTY RHODE ISLAND (ALL JURISDICTIONS) PANEL 67 OF 238 TOWN OF JAMESTOWN, MAP NUMBER AND CORNER MAP NUMBER: 04/2013 FEDERAL EMERGENCY MANAGEMENT AGENCY).
- ANY UTILITIES SHOWN ON THE PLAN WERE OBTAINED FROM FIELD SURVEY INFORMATION AND EXISTING PLANS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL SUCH OR REMAINS. THE SURVEYOR DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM ALL AVAILABLE INFORMATION. (PLEASE CONTACT THE SAFE 72 HOURS PRIOR TO CONSTRUCTION AT PHONE NO. 1-888-230-SAFE AND/OR ALL LOCAL UTILITY COMPANIES).
- THE HORIZONTAL DATUM FOR THIS PROJECT IS 83 U.S.C.S. (NAD 83) AND THE VERTICAL DATUM FOR THIS PROJECT IS NAVD 88. THE PROJECT DATUMS WERE ESTABLISHED FROM REFERENCE STATIONS AND ONE CORRECTION RECEIVED FROM THE U.S. COAST AND GEODETIC SURVEY NORTH AMERICA RTN NETWORK VIA CARLSON BR95 GNSS ANTENNA / RECEIVER.
- THE PROPERTY LIES WITHIN 300 FEET OF A COASTAL FEATURE AND FALLS WITHIN THE JURISDICTION OF ANY DEVELOPMENT OR USE OR ZONING OF THIS PROPERTY BE SUBJECT TO NEW YORK PERMITTING BY THE CDMC.
- COASTAL FEATURE DELINEATION BY ANDRES ENVIRONMENTAL SERVICES, INC. PO. BOX 838 CHARLESTOWN, RI 02836. PLANS HAVE BEEN FIELD CHECKED BY WATERMAN ENGINEERING COMPANY.



** SIGNATURES MUST BE IN BLUE INK TO CONSTITUTE AN ORIGINAL PLAN

CERTIFICATION

THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO AND IN ACCORDANCE WITH THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON APRIL 24, 2014 AS FOLLOWS:

TYPE OF BOUNDARY SURVEY: COMPREHENSIVE BOUNDARY SURVEY
MEASUREMENT / ACCURACY SPECIFICATION: 1

OTHER TYPE OF SURVEY: TOPOGRAPHIC SURVEY
DATA ACCUMULATION: III
TOPOGRAPHIC SURVEY: 7.1

THE PURPOSE FOR CONDUCTING THIS SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS:
BOUNDARY & TOPOGRAPHIC SURVEY FOR THE FUTURE DEVELOPMENT OF THE SUBJECT PROPERTY.



BY: *Bradford J. Travers* 3021 10/27/2023
BRADFORD J. TRAVERS, R.L.S. REG. NO. 2551
WATERMAN ENGINEERING COMPANY (COA NO. LS.0304483) DATE

NO.	DATE	REVISION	CHECKED BY

PROJECT NO: 23-039
SCALE: 1"=20'
DATE: 10/19/2023
DRAWN BY: SBP
CHECKED BY: BLT
PLANNING: 23-039-001
DATE OF PLAN: 10/19/23
OWNER: SU1

BOUNDARY & TOPOGRAPHIC SURVEY PLAN
ASSESSORS PLAT 3, LOT 9
WEST REACH DRIVE
JAMESTOWN, RHODE ISLAND

JANE S. BROMBERG
1430 WEST REACH DRIVE
JAMESTOWN, RHODE ISLAND 02835

Waterman ENGINEERING COMPANY
Engineers & Surveyors - Est. 1894
46 Saffron Avenue
East Providence, RI
Phone: (401) 438-5775
Fax: (401) 438-5773
www.watermaneng.com

COPYRIGHT
THESE DRAWINGS ARE THE PROPERTY OF THE ENGINEER/ARCHITECT WHO HAS BEEN PREPARED FOR THE OWNER FOR THIS PROJECT AT THE SITE AND ARE NOT TO BE USED ON ANY OTHER PROJECT. LOCATION OR OWNER WITHOUT WRITTEN CONSENT OF THE ENGINEER/ARCHITECT DIRECTION

RECEIVED
3/12/2024
LAND SURVEYING