



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: 2025-10-075 Date: January 13, 2026

**Chrones Family Rev. Trust  
 c/o James Chrones**



This office has under consideration the application to reconstruct a revetment on a barrier and adjacent to Type 1 waters by exchanging existing stone with 350-400 tons of larger armor stones, up to 7.2 foot in diameter, within the footprint of the existing revetment (detailed in Assent 1993-03-062). Based on the submitted plans and narrative, the work exceeds scope of maintenance and therefore is considered a new wall adjacent to Type 1 water (Conservation Area) on an Undeveloped Barrier Beach. New shoreline protection facilities are prohibited abutting Type 1 waters and on undeveloped barrier beaches per RICRMP Section 1.3.1.G.3.(a).

Work also involves removing and replacing in-kind undermined patio sections and concrete beach access stairs.

Project Location:	25 Atlantic Avenue
City/Town:	Westerly
Plat/Lot:	Plat 175, lot 17
Waterway:	Block Island Sound

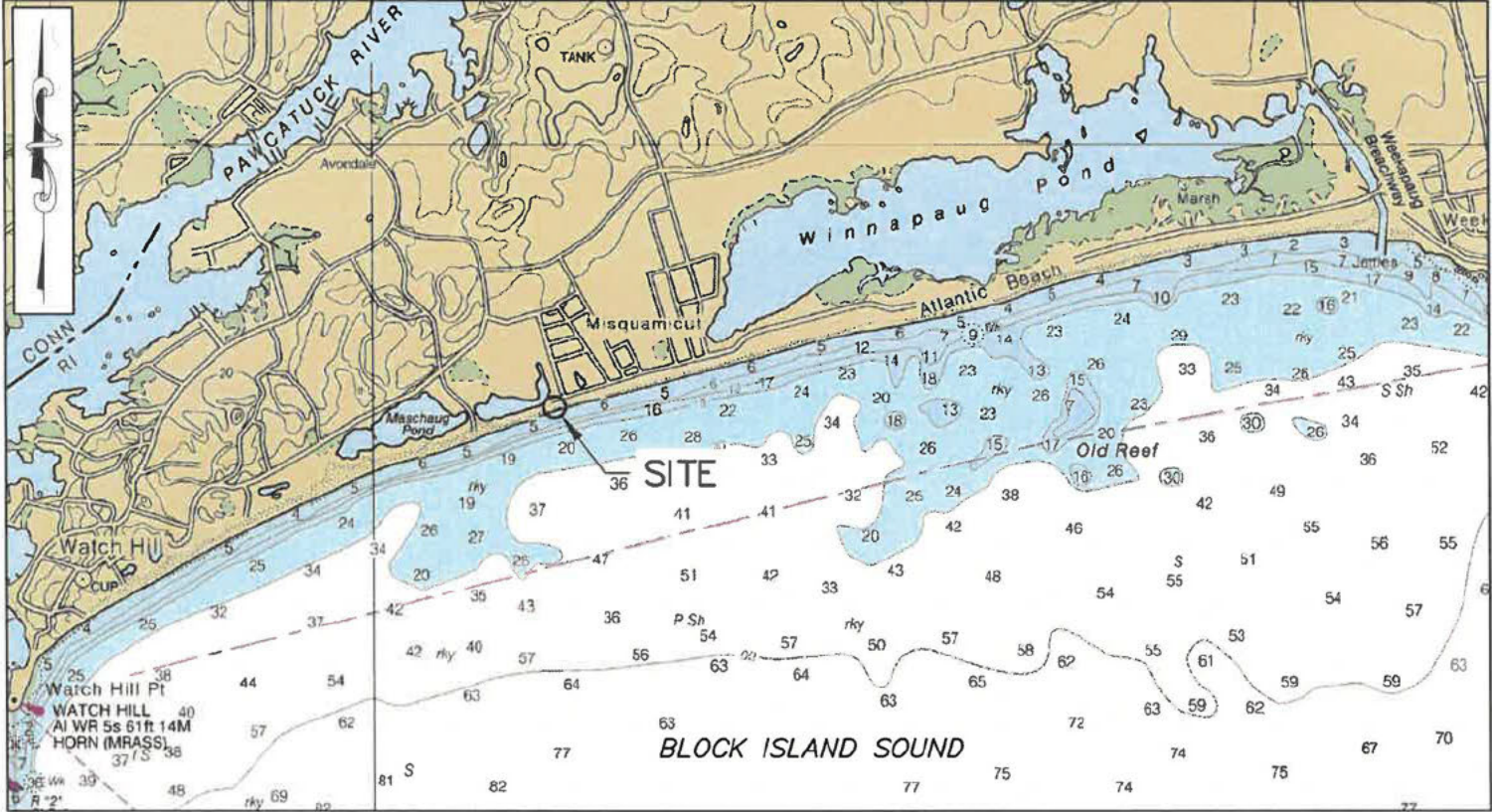
Plans of the proposed work can be requested at [Cstaff1@crmc.ri.gov](mailto:Cstaff1@crmc.ri.gov).

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

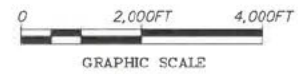
You are advised that if you have good reason to enter protests against the proposed work it is your privilege to do so. It is expected that objectors will review the application and plans thoroughly, visit site of proposed work if necessary, to familiarize themselves with the conditions and cite what 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 **February 13, 2026**.

Please email your comments/hearing requests to: [cstaff1@crmc.ri.gov](mailto: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.



No.	Revision	Date	App.
1	PLAN UPDATES	10/23/25	AJK



Client/Owner:  
**CHRONES FAMILY REVOCABLE TRUST**  
 25 ATLANTIC AVENUE  
 WESTERLY, RI  
 PLAT 175; LOT 17

Issued for:  
 REGULATORY REVIEW  
 SHORELINE MAINTENANCE  
 ARMOR STONE RESTACKING

Drawing Title:  
**VICINITY CHART**  
 BLOCK ISLAND SOUND  
 NOAA CHART #13215

**RECEIVED**  
**10/24/2025**  
 COASTAL RESOURCES  
 MANAGEMENT COURSE

- CHART & BENCHMARK NOTES:**
1. NAVIGATION CHART PRESENTED HEREIN WAS OBTAINED FROM NOAA CHART #13215 FOR BLOCK ISLAND SOUND (POINT JUDITH TO MONTAUK POINT). SOUNDINGS INCLUDED ON THE CHART REFER TO MEAN LOWER LOW WATER (MLLW) DATUM.
  2. STILLWATER LEVEL (SWL) ELEVATIONS WERE OBTAINED FROM FLOOD INSURANCE STUDY (FIS) FOR WASHINGTON COUNTY DATED JULY 19, 2023. SWL ELEVATIONS DO NOT INCLUDE WAVE ACTION.
  3. THE BASE FLOOD ELEVATION, WHICH INCLUDES STORM SURGE AND ASSOCIATED WAVE ACTION, WAS OBTAINED FROM THE FLOOD INSURANCE RATE MAP (FIRM) #44009C0254J PREPARED BY FEMA DATED OCTOBER 16, 2013.
  4. TIDAL BENCHMARKS PROVIDED ABOVE WERE ESTABLISHED USING NOAA'S ONLINE VERTICAL DATUM TRANSFORMATION TOOL.

BENCHMARK	ELEVATION (NAVD88)
100 YEAR BASE FLOOD ELEVATION	14.0
100 YEAR STILLWATER ELEVATION	9.9
50 YEAR STILLWATER ELEVATION	7.8
10 YEAR STILLWATER ELEVATION	5.0
MEAN HIGHER HIGH WATER (MHHW)	1.2
MEAN HIGH WATER (MHW)	1.0
NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88)	0.0
MEAN LOW WATER (MLW)	-1.6
MEAN LOWER LOW WATER (MLLW)	-1.8













Date: 10/02/2024  
 Scale: 1"=2,000FT  
 Designed By: AJK  
 Drawn by: AJK  
 Checked by:  
 Project Number:  
**073753.000**  
 Sheet 1 of 10  
 Drawing Number:  
**V-1**

20251023\_Chrones Shoreline\_Plan Set.dwg

**SITE PLAN NOTES:**

1. THE SITE INFORMATION PRESENTED THE EXISTING CONDITIONS SITE PLAN IS THE RESULT OF A PROPERTY AND TOPOGRAPHIC SURVEY BY CHERENZIA & ASSOCIATES, LTD. PERFORMED DURING APRIL, 2024 AND CAN ONLY REPRESENT THE CONDITIONS OF THE SITE AT THAT TIME. THE RESULTING LINEWORK WAS PROVIDED IN THE SITE PLAN TITLED, "COMPREHENSIVE BOUNDARY & TOPOGRAPHIC SURVEY EXISTING CONDITIONS" DATED APRIL 26, 2024. REFER TO REFERENCED PLAN FOR ADDITIONAL INFORMATION.
2. ALL ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. THE SUBJECT PARCEL LAYS WITHIN FEMA FLOOD ZONES VE (EL+18) AND VE (EL+14) AS INDICATED IN FEMA FLOOD INSURANCE RATE MAP 44009C0254J EFFECTIVE OCTOBER 16, 2013. A PORTION OF THE SUBJECT PARCEL ALSO LAYS WITHIN A COASTAL BARRIER RESOURCE AREA (CBRA).

**LEGEND**

	PROPERTY LINES
	TOPOGRAPHIC CONTOUR (NAVD88)
	FEMA FLOOD ZONE DELINEATION**
	MEAN HIGH WATER LINE
	MEAN LOW WATER LINE
	OVERHEAD WIRE
	IRON PIPE OR REBAR
	MTBS (MONUMENT TO BE SET)
	BENCHMARK
	UTILITY POLE
	EDGE OF VEGETATION
	COASTAL BARRIER RESOURCE AREA



No.	Revision	Date	App.
1	PLAN UPDATES	10/23/25	AJK



Client/Owner:  
**CHRONES FAMILY REVOCABLE TRUST**  
 25 ATLANTIC AVENUE  
 WESTERLY, RI  
 PLAT 175; LOT 17

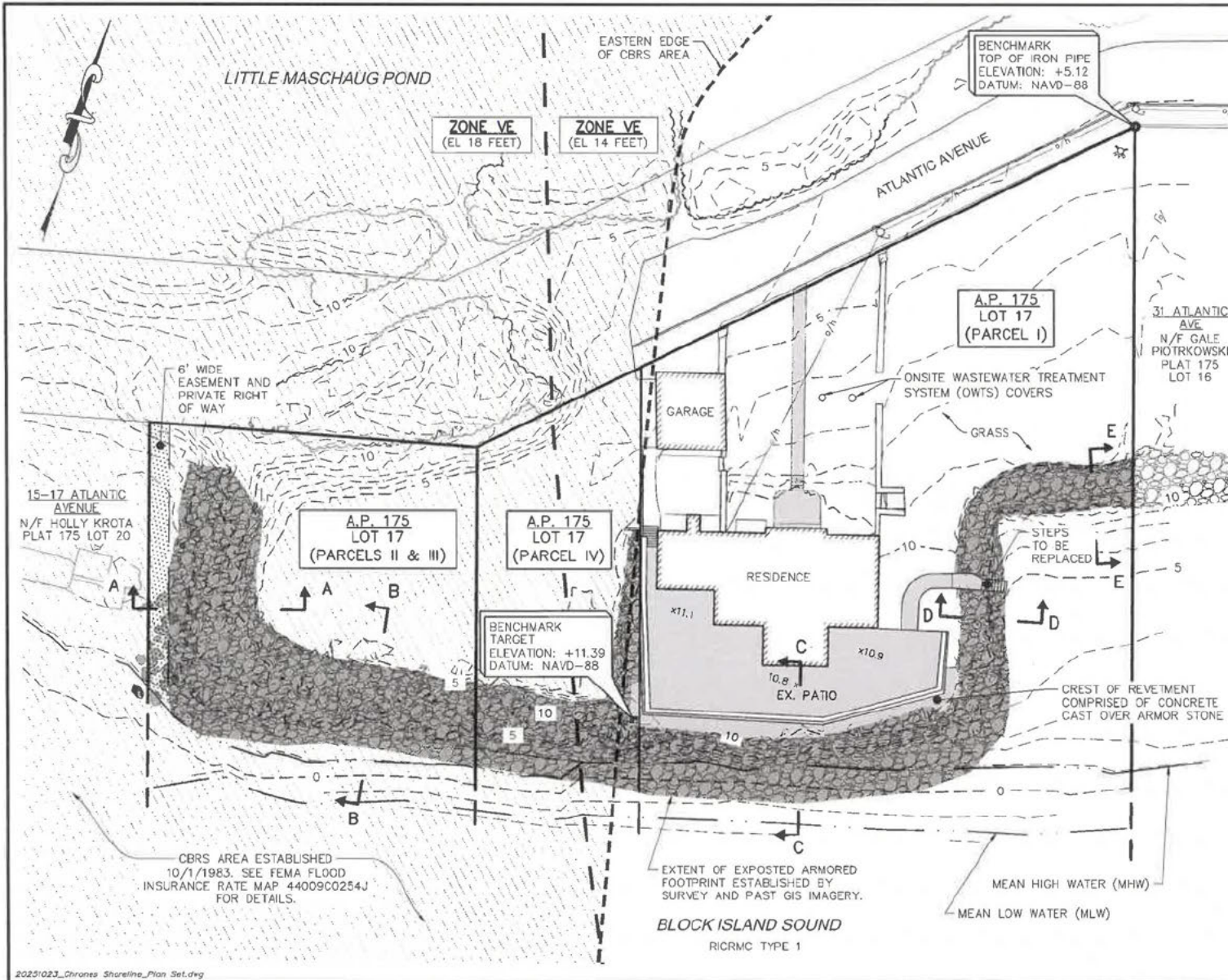
Issued for:  
 REGULATORY REVIEW  
 SHORELINE MAINTENANCE  
 ARMOR STONE RESTACKING

Drawing Title:  
**SITE PLAN NOTES**



Date: 10/02/2024  
 Scale:  
 Designed By: AJK  
 Drawn by: AJK  
 Checked by:  
 Project Number:  
**073753.000**  
 Sheet 2 of 10  
 Drawing Number:  
**EX-1**





vhb.com

1 Cedar Street  
Suite 400  
Providence, RI 02903  
401.2728100

No.	Revision	Date	App.
1	PLAN UPDATES	10/23/25	AJK



Client/Owner:  
**CHRONES FAMILY REVOCABLE TRUST**  
25 ATLANTIC AVENUE  
WESTERLY, RI  
PLAT 175; LOT 17

Issued for:  
REGULATORY REVIEW  
SHORELINE MAINTENANCE  
ARMOR STONE RESTACKING

Drawing Title:  
**SITE PLAN**  
EXISTING CONDITIONS  
DATUM: NAVD88

**AUGUST J. KREUZKAMP III**

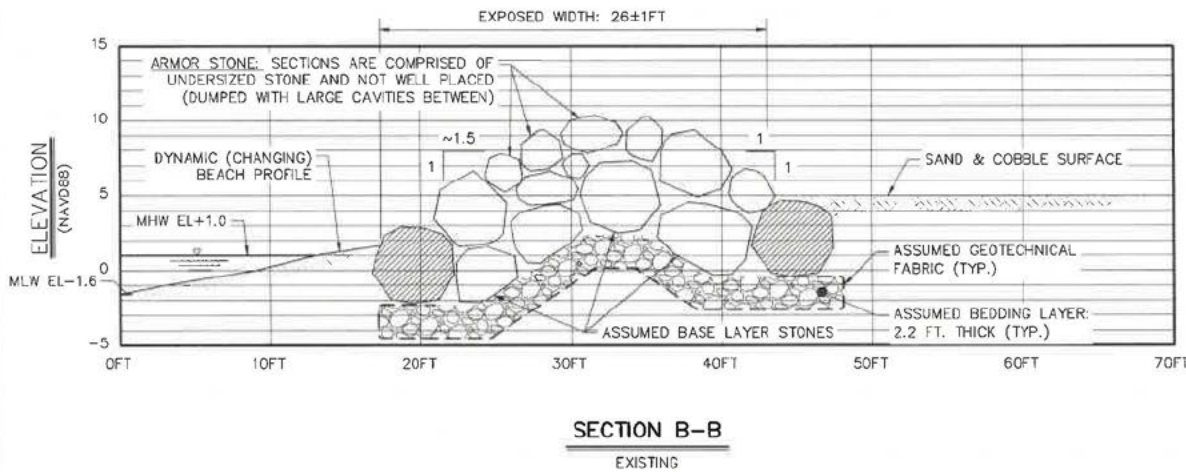
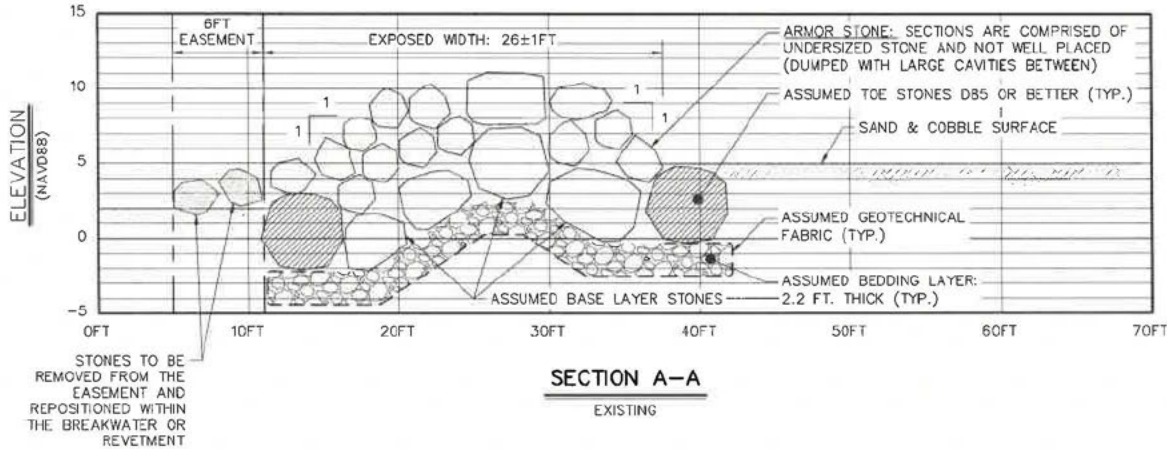
**REGISTERED PROFESSIONAL ENGINEER CIVIL**

10/23/2023

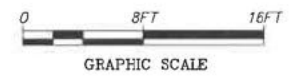
Date:	10/02/2024
Scale:	1"=30FT
Designed By:	AJK
Drawn by:	AJK
Checked by:	
Project Number:	073753.000
Sheet	3 of 10
Drawing Number:	EX-2

**RECEIVED**  
10/24/2025  
COASTAL RESOURCE MANAGEMENT COUNCIL

20251023\_Chrones Shoreline\_Plan Set.dwg



No.	Revision	Date	App.
1	PLAN UPDATES	10/23/25	AJK



Client/Owner:  
**CHRONES FAMILY REVOCABLE TRUST**  
25 ATLANTIC AVENUE  
WESTERLY, RI  
PLAT 175; LOT 17

Issued for:  
REGULATORY REVIEW  
SHORELINE MAINTENANCE  
ARMOR STONE RESTACKING

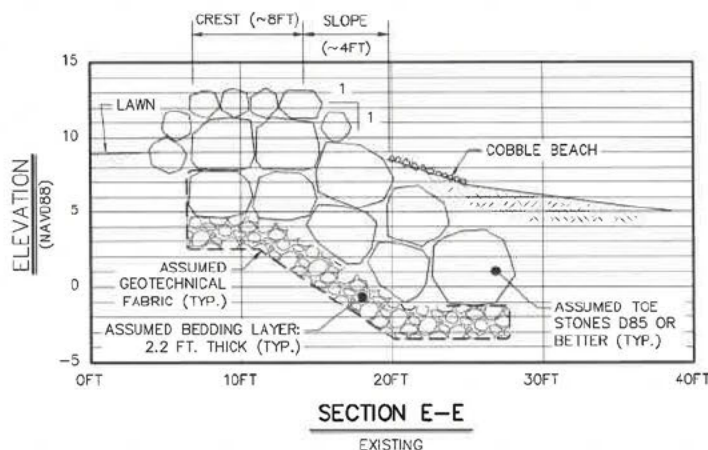
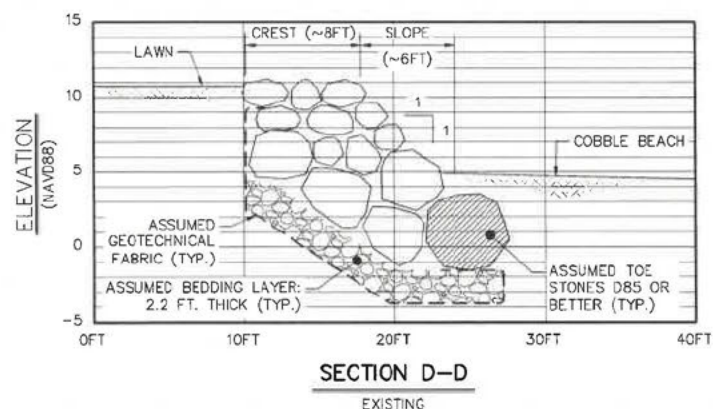
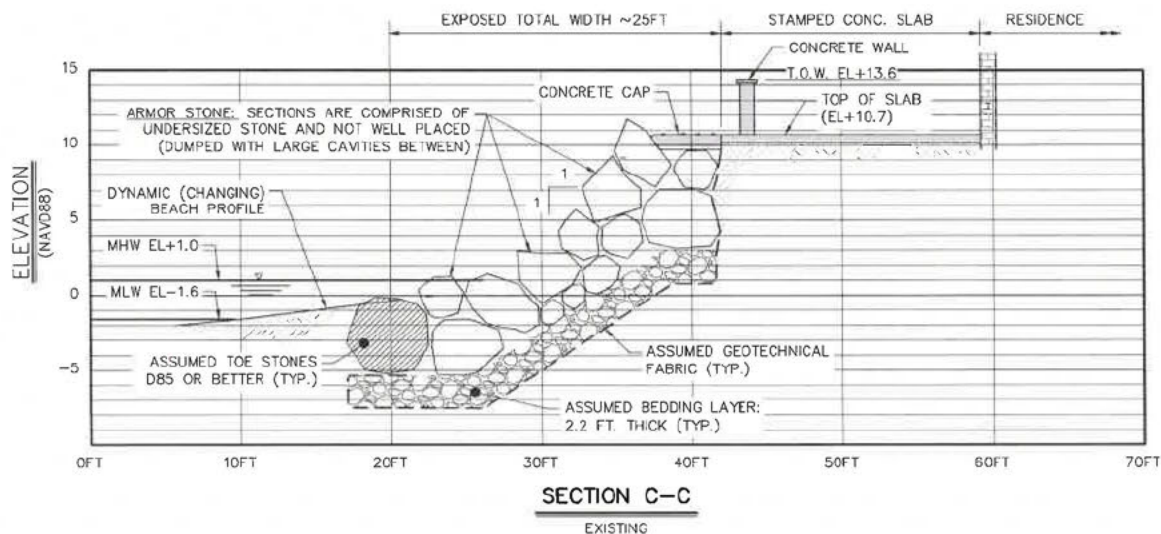
Drawing Title:  
**EXISTING CROSS SECTION**  
SECTIONS A-A & B-B

DATUM: NAVD88



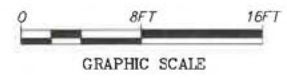
Date: 10/02/2024  
Scale: 1"=8FT  
Designed By: AJK  
Drawn by: AJK  
Checked by:  
Project Number:  
**073753.000**  
Sheet **4** of **10**  
Drawing Number:  
**X-1**

RECEIVED  
10/24/2025  
COASTAL RESOURCES  
MANAGEMENT COUNCIL



vhb.com  
1 Cedar Street  
Suite 400  
Providence, RI 02903  
401.272.8100

No.	Revision	Date	App.
1	PLAN UPDATES	10/23/25	AJK



Client/Owner:  
**CHRONES FAMILY REVOCABLE TRUST**  
25 ATLANTIC AVENUE  
WESTERLY, RI  
PLAT 175; LOT 17

Issued for:  
REGULATORY REVIEW  
SHORELINE MAINTENANCE  
ARMOR STONE RESTACKING

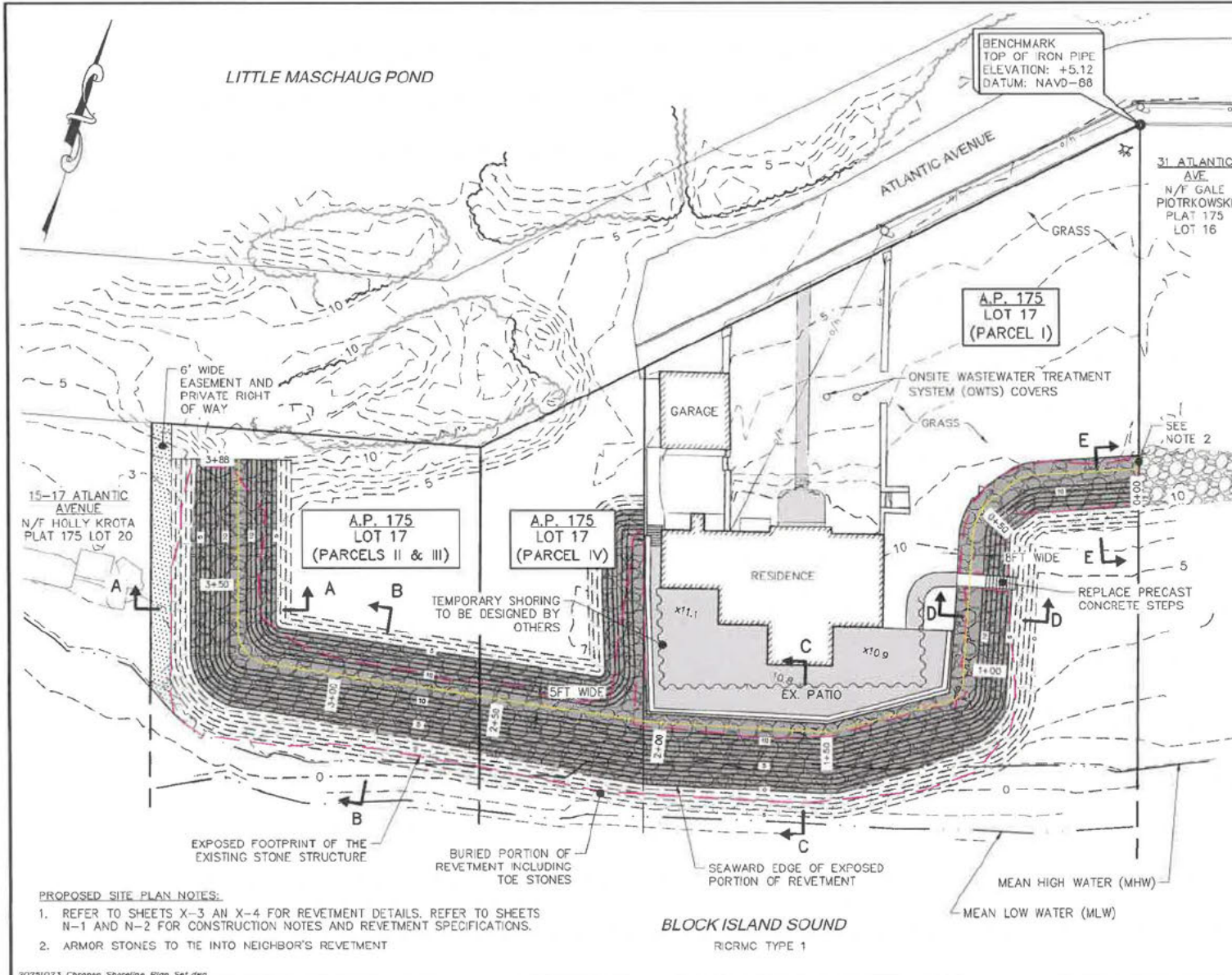
Drawing Title:  
**EXISTING CROSS SECTION**  
SECTIONS C-C, D-D & E-E

DATUM: NAVD88

**AUGUST J. KREUZKAMP III**  
No. 7049  
REGISTERED PROFESSIONAL ENGINEER CIVIL

Date:	10/02/2024
Scale:	1"=8FT
Designed By:	AJK
Drawn by:	AJK
Checked by:	
Project Number:	073753.000
Sheet	5 of 10
Drawing Number:	X-2

RECEIVED  
10/24/2025  
COASTAL RESOURCES MANAGEMENT COUNCIL



- PROPOSED SITE PLAN NOTES:**
1. REFER TO SHEETS X-3 AND X-4 FOR REVETMENT DETAILS. REFER TO SHEETS N-1 AND N-2 FOR CONSTRUCTION NOTES AND REVETMENT SPECIFICATIONS.
  2. ARMOR STONES TO TIE INTO NEIGHBOR'S REVETMENT

**BLOCK ISLAND SOUND**  
RICRMC TYPE 1

vhb.com  
1 Cedar Street  
Suite 400  
Providence, RI 02903  
401.2728100

No.	Revision	Date	App.
1	PLAN UPDATES	10/23/25	AJK



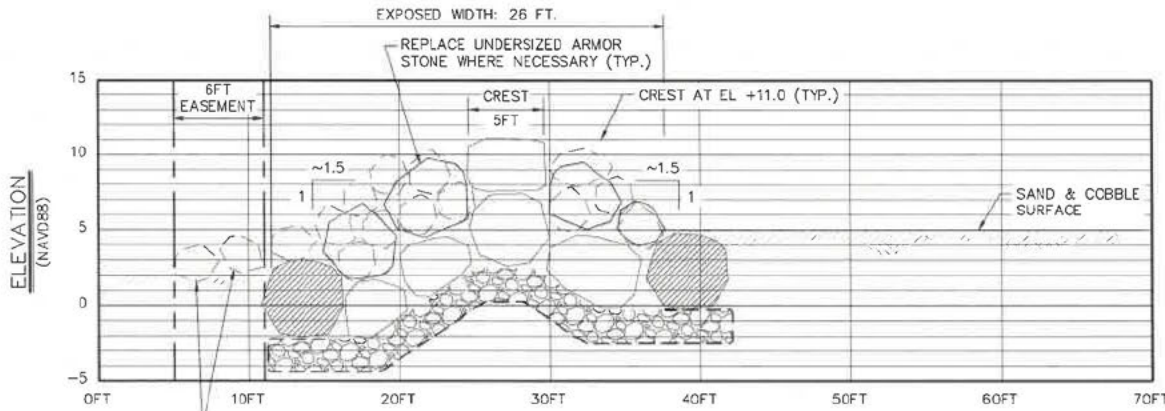
Client/Owner:  
**CHRONES FAMILY REVOCABLE TRUST**  
25 ATLANTIC AVENUE  
WESTERLY, RI  
PLAT 175; LOT 17

Issued for:  
REGULATORY REVIEW  
SHORELINE MAINTENANCE  
ARMOR STONE RESTACKING

Drawing Title:  
**SITE PLAN**  
PROPOSED CONDITIONS  
DATUM: NAVD88

Date: 10/02/2024  
Scale: 1"=30FT  
Designed By: AJK  
Drawn by: AJK  
Checked by:  
Project Number:  
**073753.000**  
Sheet 6 of 10  
Drawing Number:  
**PR-1**

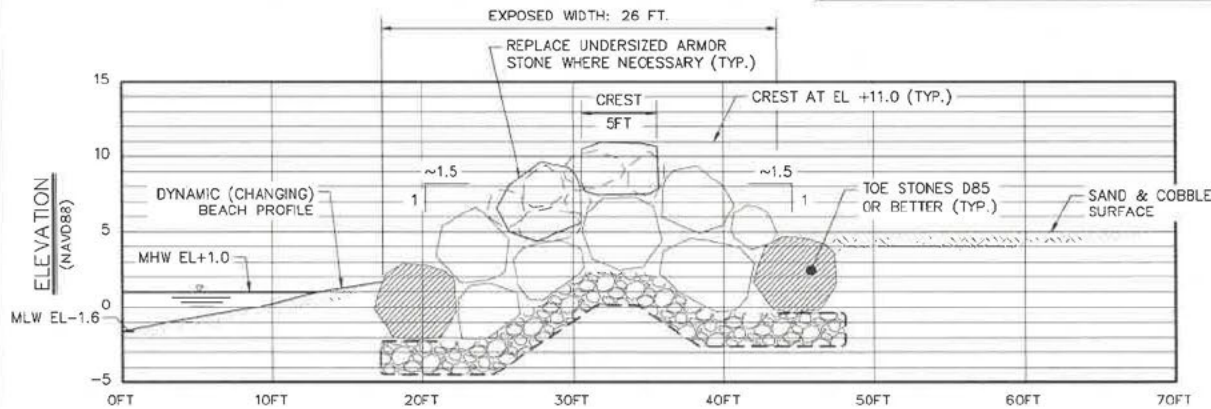
RECEIVED  
10/24/2025  
COASTAL RESOURCES  
MANAGEMENT COUNCIL



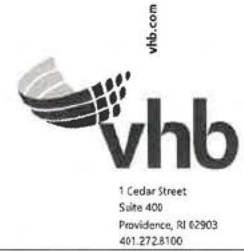
STONES TO BE REMOVED FROM THE EASEMENT AND REPOSITIONED WITHIN THE REBUILT STRUCTURE (BREAKWATER OR REVETMENT) OR REMOVED FROM SITE

SECTION A-A  
PROPOSED

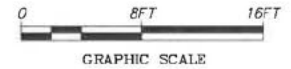
REFER TO SHEET N-2 FOR STONE MATERIAL SIZE SPECIFICATIONS



SECTION B-B  
PROPOSED



No.	Revision	Date	App.
1	PLAN UPDATES	10/23/25	AJK



Client/Owner:  
**CHRONES FAMILY REVOCABLE TRUST**  
25 ATLANTIC AVENUE  
WESTERLY, RI  
PLAT 175; LOT 17

Issued for:  
REGULATORY REVIEW  
SHORELINE MAINTENANCE  
ARMOR STONE RESTACKING

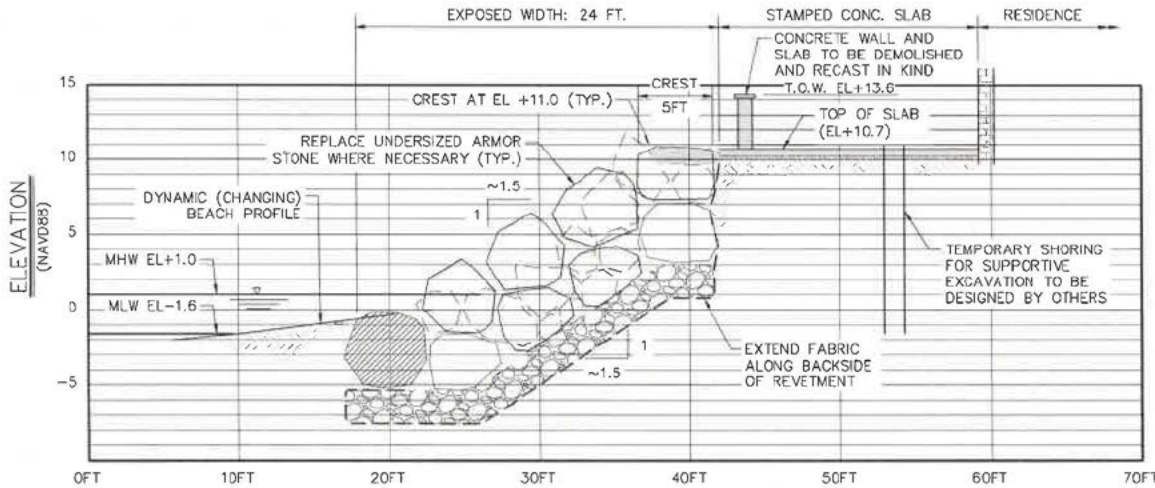
Drawing Title:  
**PROPOSED CROSS SECTION**  
SECTIONS A-A & B-B

DATUM: NAVD88



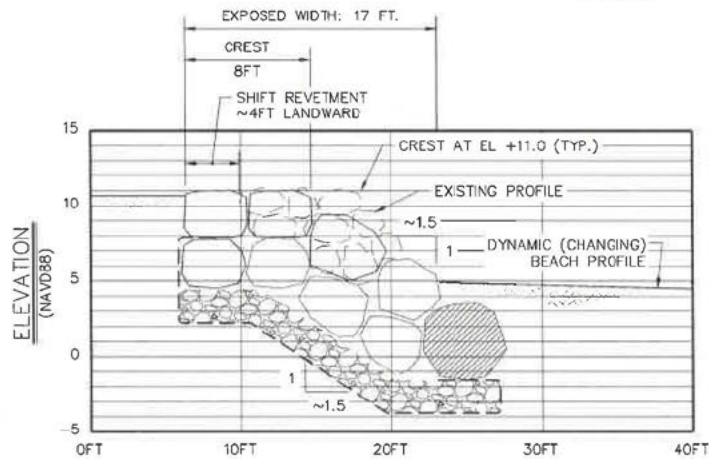
Date: 10/02/2024  
Scale: 1"=8FT  
Designed By: AJK  
Drawn by: AJK  
Checked by:  
Project Number:  
073753.000  
Sheet 7 of 10  
Drawing Number:  
X-3

RECEIVED  
10/24/2025  
COASTAL RESOURCES  
MANAGEMENT COUNCIL

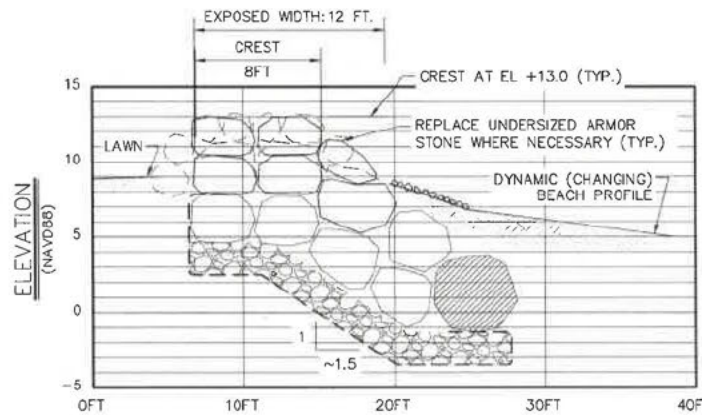


**SECTION C-C**  
PROPOSED

REFER TO SHEET N-2 FOR STONE MATERIAL SIZE SPECIFICATIONS



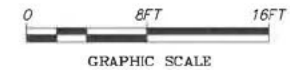
**SECTION D-D**  
PROPOSED



**SECTION E-E**  
PROPOSED



No.	Revision	Date	App.
1	PLAN UPDATES	10/23/25	AJK



Client/Owner:  
**CHRONES FAMILY REVOCABLE TRUST**  
25 ATLANTIC AVENUE  
WESTERLY, RI  
PLAT 175; LOT 17

Issued for:  
REGULATORY REVIEW  
SHORELINE MAINTENANCE  
ARMOR STONE RESTACKING

Drawing Title:  
**PROPOSED CROSS SECTION**  
SECTIONS C-C, D-D & E-E

DATUM: NAVD88



Date: 10/02/2024  
Scale: 1"=8 FT  
Designed By: AJK  
Drawn by: AJK  
Checked by:  
Project Number:  
**073753.000**  
Sheet 8 of 10  
Drawing Number:  
X-4

RECEIVED  
10/24/2025  
COASTAL RESOURCE  
MANAGEMENT COUNCIL

**DESCRIPTION OF WORK:**

THE WORK COVERED UNDER THESE CONTRACT DOCUMENTS, INCLUDING THE DRAWINGS, GENERAL NOTES, AND SPECIFICATIONS AND ALL AMENDMENTS, CONSISTS OF PROVIDING ALL PLANT, LABOR, SUPERVISION, EQUIPMENT, APPURTENANCES AND MATERIALS AND IN PERFORMING ALL OPERATIONS IN CONNECTION WITH AT LEAST, BUT NOT NECESSARILY LIMITED TO, THE FOLLOWING ITEMS:

1. SECTIONS OF REVETMENT SHALL BE OPENED TO CONFIRM PRESENCE OF FILTER FABRIC, BEDDING STONE AND PROPER SIZED BASE/ARMOR STONE. IN THE EVENT SUCH MATERIALS DO NOT MEET PROJECT NOTES/DETAILS/SPECIFICATIONS, REPLACE WITH PROPER MATERIALS CONSISTENT WITH PROJECT NOTES/DETAILS/SPECIFICATIONS.
2. STONE MATERIAL CAN BE REUSED FOR BEDDING STONE, ARMOR STONE OR BACKFILL DEPENDING ON SIZE. REFER TO PROPOSED REVETMENT STONE GRADATION TABLE FOR DETAILS. ALL CONCRETE MATERIAL TO BE REMOVED.
4. TEMPORARY SHORING SHALL BE INSTALLED TO PROTECT THE RESIDENCE DURING CONSTRUCTION.
5. PATIO AND GUARD SHALL BE DEMOLISHED AND REPLACED IN KIND TO FACILITATE INSTALLATION OF TEMPORARY SHORING.
6. CONCRETE STAIRS SHALL BE DEMOLISHED AND REPLACED IN KIND.
7. BACKFILL AND RE-GRADE ALONG BACKSIDE OF THE REVETMENT.

**GENERAL NOTES:**

1. DRAWINGS AND SPECIFICATIONS, AS INSTRUMENTS OF PROFESSIONAL SERVICE, SHALL REMAIN THE PROPERTY OF VHB, INC. DOCUMENTS ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR OTHER PROJECTS OR PURPOSES OR BY ANY OTHER PARTIES THAN THOSE AUTHORIZED BY CONTRACT WITHOUT THE SPECIFIC WRITTEN AUTHORIZATION OF VHB, INC. THE USE OF THIS DOCUMENT IS CONTINGENT UPON PAYMENT TO VHB, INC. FOR SERVICES RENDERED. NON-PAYMENT SHALL GIVE VHB, INC. THE AUTHORITY TO BAR DOCUMENT USE BY ANY AND ALL PARTIES.
2. ALL WORK SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS AS SHOWN IN THESE PLANS AND SPECIFICATIONS.
3. THE CONTRACTOR IS REQUIRED TO VISIT THE SITE PRIOR TO SUBMITTING A BID FOR THE PROJECT.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BRINGING ALL ELEMENTS OF THE PROJECT IN CONFORMANCE WITH THESE PLANS AND SPECIFICATIONS. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THAT THE CONDITIONS SHOWN HEREIN ARE AS THEY APPEAR ON-SITE AND NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES IN DIMENSIONS AND/ OR SITE CONDITIONS. THE CONTRACTOR SHALL NOT BEGIN ORDERING MATERIALS, FABRICATION OR INSTALLATION FOR ANY SUCH AFFECTED AREA UNTIL THE DISCREPANCY HAS BEEN RESOLVED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. IF ANY MODIFICATIONS ARE REQUIRED IN ANY ELEMENT, THE CONTRACTOR SHALL SUBMIT PROPOSED CHANGES IN WRITING TO THE ENGINEER FOR REVIEW.
5. ALL WORK SHALL COMPLY WITH FEDERAL, STATE, AND LOCAL LAWS AND STATUTES AND THE REQUIREMENTS AND CONDITIONS OF ALL REGULATORY PERMITS ISSUED FOR THE WORK. CONTRACTOR SHALL BE FAMILIAR WITH THE RI COASTAL RESOURCES MANAGEMENT PROGRAM (RICRMP) AND MAINTAIN COPIES OF FEDERAL, STATE AND LOCAL REGULATORY PERMITS ON SITE THROUGHOUT CONSTRUCTION.
6. ALL SAFETY REGULATIONS ARE TO BE STRICTLY FOLLOWED. METHODS OF CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE OSHA CODE, THE RHODE ISLAND STATE BUILDING CODE, AND THE REFERENCED STANDARDS INCLUDED THEREIN THAT ARE APPLICABLE TO THIS PROJECT.
7. THESE DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE PROJECT REGULATORY PERMITS AND ALL CONDITIONS OF THOSE PERMITS. THE CONTRACTOR IS ADVISED THAT THE REGULATORY PERMITS FOR THIS PROJECT MAY CONTAIN ADDITIONAL REQUIREMENTS THAT, AFTER ANY ADDENDUM, SUPERSEDE THE DRAWING NOTES. THE CONTRACTOR IS FURTHER ADVISED THAT IN THE CASE OF ANY DISCREPANCIES WITHIN THE CONTRACT DOCUMENTS FOUND BEFORE CONSTRUCTION, THE FINAL DECISION AS TO WHAT INFORMATION TAKES PRECEDENCE WILL BE MADE BY THE ENGINEER OF RECORD ON THE BASIS OF THAT INTENT.
8. THE CONTRACTOR SHALL MAINTAIN AT ALL TIMES A SET OF RECORD DRAWINGS AND

20251023\_Chrones Shoreline\_Plan Set.dwg

SPECIFICATIONS DURING THE PROGRESSION OF THE PROJECT. RECORD DRAWINGS SHALL BE UPDATED ON A DAILY BASIS AND SHALL BE SUBMITTED TO THE ENGINEER AT THE COMPLETION OF CONSTRUCTION.

9. THE CONTRACTOR SHALL SAFEGUARD AND PROTECT ALL EXCAVATIONS.
10. DAMAGE TO ANY PROPERTY, PRIVATE OR OF PUBLIC TRUST, OCCURRING DURING THE CONSTRUCTION BY THE CONTRACTOR, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AT THE EXPENSE OF THE CONTRACTOR.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING, CUTTING, & CAPPING EXISTING UTILITIES BEFORE CONSTRUCTION AND FOR PROPERLY REINSTALLING UTILITIES AFTER CONSTRUCTION.

**DEMOLITION**

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LIMIT THE AMOUNT OF EXPOSED SHORELINE DURING CONSTRUCTION IN ORDER TO MINIMIZE THE CHANCE OF SHORELINE RECESSION SHOULD A STORM EVEN OCCUR DURING CONSTRUCTION. IN SUCH A CASE, THE CONTRACTOR SHALL TEMPORARILY PLACE STONE MATERIAL ALONG ANY/ALL EXPOSED SHORELINE SHOULD A SIGNIFICANT STORM EVENT OCCUR.
2. NON-CONFORMING STONE AND DEMOLISHED MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE COMPLETELY REMOVED FROM THE JOB SITE AND DISPOSED OF IN A SAFE AND LEGAL MANNER.
3. CONTRACTOR SHALL MAKE AVAILABLE A DETAILED DISPOSAL PLAN THAT INCLUDES THE NAME, ADDRESS, AND TELEPHONE NUMBER OF THE DISPOSAL SITE; AND A SIGNED MANIFEST AND DISPOSAL TICKET(S) THAT SUBSTANTIATE APPROVED DISPOSAL OF MATERIAL REMOVED FROM SITE.

**BACKFILLING**

1. MATERIALS THAT DO NOT COMPLY WITH THE REQUIREMENTS FOR SATISFACTORY MATERIALS SHALL BE DEEMED UNSATISFACTORY. UNSATISFACTORY MATERIALS ALSO INCLUDE MAN-MADE FILLS, TRASH, REFUSE, OR BACKFILLS FROM PREVIOUS CONSTRUCTION. UNSATISFACTORY MATERIAL ALSO INCLUDES MATERIAL CLASSIFIED AS SATISFACTORY THAT CONTAINS ROOT AND OTHER ORGANIC MATTER, FROZEN MATERIAL, AND STONES LARGER THAN 3 INCHES.
2. UNSATISFACTORY MATERIALS REMOVED FROM EXCAVATIONS SHALL BE DISPOSED OF IN DESIGNATED WASTE DISPOSAL OR SPOIL AREAS.
3. SATISFACTORY MATERIALS SHALL COMPRISE ANY MATERIALS CLASSIFIED BY ASTM D 2487 AS GW, GP, GM, GP-GM, GW-GM, GC, GP-GC, GM-GC, SW AND SP. SATISFACTORY MATERIALS SHALL BE USED IN BRINGING FILLS AND BACKFILLS TO THE LINES AND GRADES INDICATED AND FOR REPLACING UNSATISFACTORY MATERIALS.
4. SATISFACTORY MATERIAL REMOVED FROM EXCAVATIONS SHALL BE USED, INSOFAR AS PRACTICAL, IN THE CONSTRUCTION OF FILLS, EMBANKMENTS, SUBGRADES, SHOULDERS, BEDDING (AS BACKFILL), AND FOR SIMILAR PURPOSES.
5. SATISFACTORY MATERIALS SHALL BE PLACED IN HORIZONTAL LAYERS NOT EXCEEDING 8 INCHES IN LOOSE THICKNESS, OR 6 INCHES WHEN HAND-OPERATED COMPACTORS ARE USED. BACKFILL SHALL NOT FALL BELOW 95% OF ITS DENSITY AT OPTIMUM MOISTURE CONTENT.
6. DEGREE OF COMPACTION IS EXPRESSED AS A PERCENTAGE OF THE MAXIMUM DENSITY OBTAINED BY THE TEST PROCEDURE PRESENTED IN ASTM D 1557, ABBREVIATED AS PERCENT LABORATORY MAXIMUM DENSITY.
7. GROUNDWATER FLOWING TOWARD OR INTO EXCAVATIONS SHALL BE CONTROLLED TO PREVENT SLOUGHING OF EXCAVATION SLOPES AND WALLS, BOILS, UPLIFT AND HEAVE IN THE EXCAVATION AND TO ELIMINATE INTERFERENCE WITH ORDERLY PROGRESS OF CONSTRUCTION.



No	Revision	Date	App.
1	PLAN UPDATES	10/23/25	AJK

Client/Owner:  
**CHRONES FAMILY REVOCABLE TRUST**  
25 ATLANTIC AVENUE  
WESTERLY, RI  
PLAT 175; LOT 17

Issued for:  
REGULATORY REVIEW  
SHORELINE MAINTENANCE  
ARMOR STONE RESTACKING

Drawing Title:  
**PROJECT NOTES**

	Date:	10/02/2024
	Scale:	
	Designed By:	AJK
	Drawn by:	AJK
	Checked by:	
	Project Number:	073753.000
Sheet	9 of 10	
Drawing Number:	N-1	



RIP RAP NOTES:

1. THE START OF PROJECT CONSTRUCTION SHOULD BE TIMED TO ALLOW SIGNIFICANT COMPLETION BEFORE ANY REQUIRED SEASONAL SHUTDOWN.
2. ALL COMPONENTS SHALL BE INSTALLED PER EACH MANUFACTURER'S SPECIFICATIONS AND/OR STANDARD INDUSTRY PRACTICE AS APPLICABLE.
3. CONTRACTOR SHALL IDENTIFY THE QUARRY SOURCE FOR ALL STONE MATERIALS. CONTRACTOR SHALL ENSURE THERE IS SUFFICIENT ARMOR STONE AT THE QUARRY THAT MEETS THE PROJECT SPECIFICATIONS NEEDED TO COMPLETE THE PROJECT.
4. CONTRACTOR SHALL MAKE ARRANGEMENTS FOR ENGINEER TO INSPECT THE QUARRY PRIOR TO SHIPMENT TO PROJECT SITE. STONES SHOULD BE SPREAD OUT IN THE QUARRY FOR INSPECTION BEFORE BEING LOADED FOR DELIVERY.
5. ARMOR & FILTER STONE SHALL BE A DENSE, SOUND GNEISS, DIORITE, OR BASALT, HAVING A MIN. DENSITY OF 165 PCF. ARMOR & FILTER STONE SHALL CONFORM WITH THE SPECIFICATIONS (GRADATION, WEIGHT, DIAMETER AND THICKNESS) PROVIDED IN TABLE 2.
6. STONE GRADATION SHALL BE MAINTAINED IN DELIVERY AND IN THE STAGING AREA AT THE CONSTRUCTION SITE. THE SPECIFIED STONE GRADATION SHALL BE CONSISTENTLY MAINTAINED THROUGHOUT THE STRUCTURE.
7. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PRESERVE THE SURVEY BENCHMARKS CURRENTLY ON SITE AND ESTABLISH ANY ADDITIONAL BENCHMARKS THROUGH CONSTRUCTION.
8. THE CONTRACTOR SHALL ARRANGE TO HAVE THE SITE STAKED OUT ADEQUATELY IN ORDER TO ESTABLISH ELEVATION, PROPERTY BOUNDARIES AND IDENTIFY THE PROPOSED LOCATION OF CRITICAL REVETMENT SECTIONS INCLUDING ITS CREST, EXPOSED TOE AND BURIED TOE. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN STAKES THROUGH CONSTRUCTION.
9. STONES SHOULD NOT BE DROPPED IN LOADING, TRANSIT, OR PLACEMENT ON THE STRUCTURE.
10. ARMOR STONES SHOULD BE PLACED SUCH THAT THEY NOT PROTRUDE EXCESSIVELY FROM THE STRUCTURE FACE TO PREVENT EXCESSIVE WAVE ACTION ON INDIVIDUAL STONES. HOWEVER, THE FACE SHOULD NOT BE FLAT AND EXCESSIVELY TIGHT. STONES SHOULD NOT PROTRUDE MORE THAN ONE-FIFTH OF ITS DIMENSION PERPENDICULAR TO THE STRUCTURE FACE.
11. STONES SHOULD BE KEYS AND FITTED, MAXIMIZING CONTACT ON ALL SIDES. THREE POINTS OF CONTACT (MINIMUM) ARE REQUIRED BETWEEN A STONE AND OTHER STONES IN THE SAME LAYER OR WITH OTHER STONES IN THE LAYER AND A STRUCTURE CAP.
12. STONE SHALL BE PLACED IN A MANNER SUCH THAT THE LONGITUDINAL AXIS OF EACH STONE IS NORMAL TO THE AXES OF THE STRUCTURE, AND SLOPE DOWNWARD TOWARD THE CENTER OF THE STRUCTURE. ALL CAP STONE SHOULD BE PLACED TOGETHER AS CLOSELY AS PRACTICAL.
13. STONES SMALLER THAN THOSE SPECIFIED IN TABLE 2 MAY BE STOCKPILED FOR CHINKING BUT SHOULD NOT BE USED FOR BUILDING THE STRUCTURE.
14. FILTER FABRIC SHALL BE MIRAFL FILTERWEAVE 700. FILTER FABRIC SHALL BE BACK-WRAPPED INTO THE FILTER STONE AT ALL TERMINATIONS.

TEMPORARY SHORING NOTES:

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DESIGN AND INSTALL ALL TEMPORARY SHEETING FOR THE PURPOSE OF PROTECTING THE RESIDENCE WHILE THE REVETMENT IS REBUILT. THE SHORING SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF RHODE ISLAND.
2. ALL TEMPORARY SHEETING MUST BE REMOVED BY THE COMPLETION OF THE PROJECT.

STAIR NOTES

1. CONTRACTOR TO SUBMIT DETAILS FOR THE REPLACEMENT CONCRETE STAIRS FOR REVIEW.

ARMOR LAYER			BEDDING LAYER	
THICKNESS: 8.8FT			THICKNESS: 2.2FT	
% LESS BY WEIGHT	WEIGHT (LBS.)	DIAM. (FT.)	% LESS BY WEIGHT	DIAM. (IN.)
0 (MIN)	1320	2.3	0 (MIN)	4
15	4000	3.4	15	5
50	10567	4.5	50	6
85	26416	6.2	85	10
100 (MAX)	42266	7.2	100 (MAX)	12



1	PLAN UPDATES	10/23/25	AJK
No.	Revision	Date	App.

Client/Owner:  
**CHRONES FAMILY REVOCABLE TRUST**  
 25 ATLANTIC AVENUE  
 WESTERLY, RI  
 PLAT 175; LOT 17

Issued for:  
 REGULATORY REVIEW  
 SHORELINE MAINTENANCE  
 ARMOR STONE RESTACKING

Drawing Title:  
**PROJECT NOTES**  
 CONTINUED

	Date:	10/02/2024
	Scale:	
	Designed By:	AJK
	Drawn by:	AJK
	Checked by:	
	Project Number:	073753.000
Sheet:	10 of 10	
Drawing Number:	N-2	