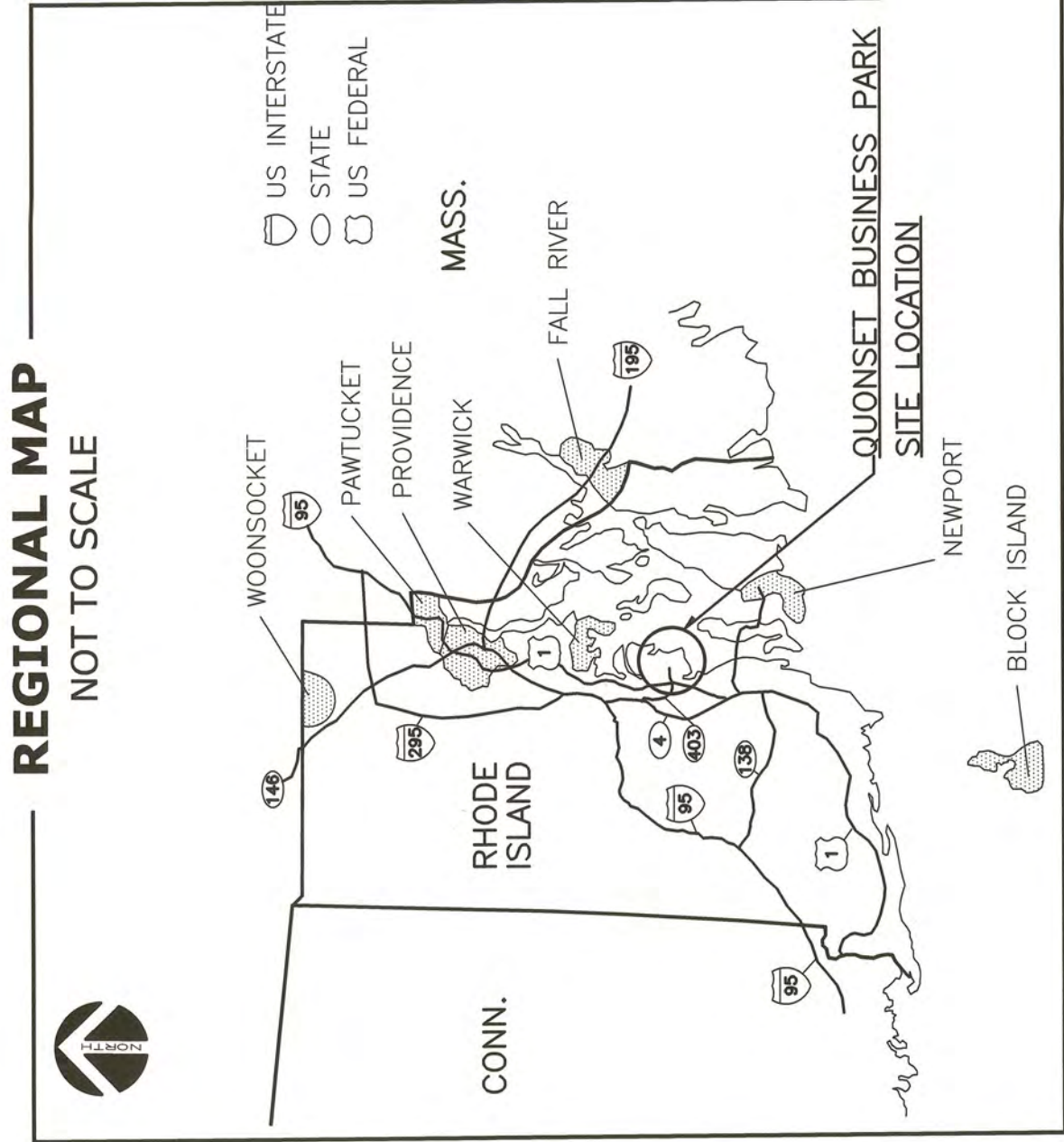




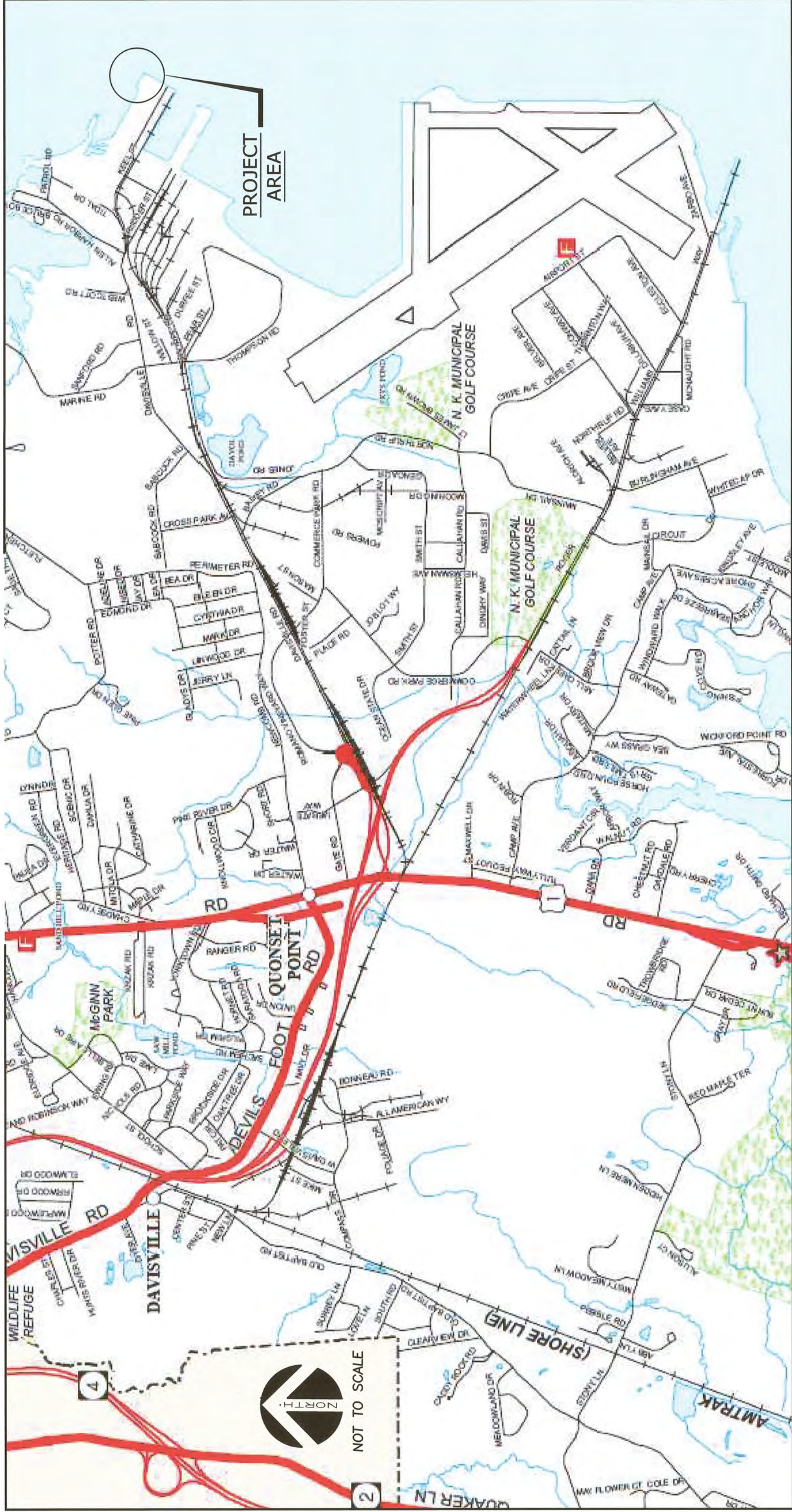
PIER 2 EXTENSION WAVE ATTENUATION PROJECT

AT THE
PORT OF DAVISVILLE

QDC CONTRACT NO.: 2023-006A

AP 193, Lot 015
242 Terminal Way
North Kingstown, Rhode Island
JANUARY 2024

SCHEDULE OF REVISIONS			
REV #	DESCRIPTION	DATE	APPROVED



QUONSET BUSINESS PARK
PROJECT AREA



Planning & Development
95 Cripe Street
North Kingstown, RI 02852
Tel: (401) 295-0044
Fax: (401) 268-9885

INDEX OF DRAWINGS

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Gregory J. Coren
January 31, 2025
Sheets 1/6 to 1/8



APPROVED

GREGORY J. COREN, P.E.
QDC MANAGER OF ENGINEER

DATE: 01/31/2025

SHEET NO.

G-0

**PERMIT SUBMISSION
NOT FOR CONSTRUCTION**
01/31/2025

DRAWING NO.
26916
1 OF 8 SHEETS

1. THE SITE IS LOCATED IN NORTH KINGSTOWN, RHODE ISLAND.

3. AERIAL MAPPING FOR THE SITE WAS PERFORMED BY WP SELLUM IN MARCH 2010. HORIZONTA DATUM IS R.I.S.P.C.S., N.A.D.1983 AND THE VERTICAL DATUM IS QUONSET VERTICAL DATUM (QVD). NOTE THAT ALL INFORMATION PROVIDED, BOTH THE MAPPING AND UTILITY ELEVATIONS ARE SUBJECT TO THE CONTRACTORS FIELD VERIFICATION.
4. THE PROPOSED WORK IS SITUATED IN A FEMA FLOOD ZONE 'VE' (EL.: 15 NAVD 88, EL.: 18.05 QVD) AS DESIGNATED ON THE "NATIONAL FLOOD INSURANCE PROGRAM, FIRM FLOOD INSURANCE RATE MAP WASHINGTON COUNTY, RHODE ISLAND (ALL JURISDICTIONS) PANEL 107 OF 368, TOWN OF NORTH KINGSTOWN MAP NUMBER 44009C0107J MAP REVISED: OCTOBER 16, 2013. FEDERAL EMERGENCY MANAGEMENT AGENCY."
5. EXISTING UTILITIES HAVE BEEN PLOTTED FROM BEST AVAILABLE DATA AND ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING DRAINAGE AND UTILITIES BOTH UNDERGROUND AND OVERHEAD BEFORE EXCAVATION BEGINS IN ACCORDANCE WITH THE "DIG SAFE LAW" ENACTED BY R.I. LEGISLATURE BILL NO. 795-291, WHICH BECAME EFFECTIVE JULY 1, 1979 AND BY CONTACTING THE INDIVIDUAL UTILITY COMPANIES. EXCAVATION SHALL BE IN ACCORDANCE WITH ALL STATUTES, ORDINANCES, RULES AND REGULATIONS OF ANY APPLICABLE CITY, TOWN, STATE OR FEDERAL AGENCY. THE CONTRACTOR SHOULD UNDERSTAND THAT NOT ALL UTILITIES SUBSCRIBE TO THE DIG SAFE PROGRAM. IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES AND ENSURE THAT ALL UTILITIES HAVE BEEN MARKED PRIOR TO COMMENCING THEIR WORK. ANY DAMAGE TO EXISTING UTILITIES MARKED IN THE FIELD, OR AS A RESULT OF FAILING TO CONTACT THE APPROPRIATE UTILITY COMPANY, SHALL BE REPAIRED OR REPLACED AT NO COST TO THE OWNER.
6. RIGHT-OF-WAY LINES, LEASE LINES, AND EASEMENT LINES, WHEN SHOWN ON THESE DRAWINGS, ARE CONSIDERED APPROXIMATE.
7. WATER ELEVATIONS AT THE SITE ARE TIDAL AND EXPECTED TO VARY.
8. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPROVED PLANS AND MATERIALS, STANDARD AND SPECIAL DETAILS, INVITATION TO BID, AND STANDARD SPECIFICATIONS. ANY WORK NOT MEETING THE APPROVED STANDARDS SHALL BE IMMEDIATELY REMOVED AND REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
9. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY DURING THE PERFORMANCE OF THE WORK. SAFETY PROVISIONS SHALL COMPLY WITH OSHA AND OTHER APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS. THESE REQUIREMENTS SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS.
10. STANDARD SPECIFICATIONS, WHEN REFERENCED IN THESE DRAWINGS, SHALL MEAN THE RIDOT 2022 EDITION "STANDARDS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" INCLUDING ALL APPROVED COMPILATION OF SPECIFICATIONS; AND RIDOT 2022 "STANDARD DETAILS" INCLUDING ALL REVISIONS. ALL PROJECT SITE IMPROVEMENTS SHALL CONFORM TO THESE REGULATIONS AND THE SUB-REFERENCES INCORPORATED THEREIN, WHERE SPECIFICALLY REFERENCED. IN CASE OF A DISCREPANCY BETWEEN THE STANDARD SPECIFICATIONS AND THE REQUIREMENTS STATED WITHIN THE DRAWINGS, THE REQUIREMENTS STATED WITHIN THE DRAWINGS SHALL PREVAIL.
11. CONSTRUCTION WILL BE SUBJECT TO INSPECTION BY THE QDC.
12. THE CONTRACTOR SHALL MAINTAIN IN THE FIELD UP-TO-DATE AS-BUILT DRAWINGS OF ALL GRADING, DRAINAGE, AND UTILITY WORK. UPON COMPLETION OF THE WORK AND PRIOR TO FINAL ACCEPTANCE THE CONTRACTOR SHALL PROVIDE A FULL-SIZE SET OF RED-LINED AS-BUILT DRAWINGS TO QDC AT NO ADDITIONAL COST TO THE OWNER.
13. LOCATIONS AND DEPTHS OF EXISTING UNDERGROUND PIPES, CONDUITS, AND STRUCTURES, AS SHOWN, ARE APPROXIMATE ONLY. BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL PERFORM, AT ITS EXPENSE, TEST PITS IN ADDITION TO THOSE IDENTIFIED ON THE DRAWINGS, TO DETERMINE THE EXACT LOCATIONS OF UTILITIES AND STRUCTURES ESPECIALLY FOR CONNECTIONS TO EXISTING UTILITIES. ANY EXPENSE AND/OR DELAY CAUSED BY UTILITIES AND STRUCTURES, OR DAMAGE THERETO INCLUDING THOSE NOT SHOWN, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. ANY AND ALL STRUCTURES DESIGNATED FOR REMOVAL SHALL BE DISPOSED OF OFF-SITE, BY THE CONTRACTOR.
14. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR COORDINATING ITS WORK WITH THE TELEPHONE, CABLE TV, ELECTRIC AND GAS COMPANIES. THE OWNER WILL NOT BE RESPONSIBLE FOR ANY LOST TIME BY THE CONTRACTOR IN DELAYS IN THE CONTRACTOR'S WORK CAUSED BY CONSTRUCTION ACTIVITIES OF THE TELEPHONE, ELECTRIC, OR GAS COMPANIES.
15. CONTRACTOR SHALL CONTACT DIG SAFE A MINIMUM OF THREE (3) BUSINESS DAYS PRIOR TO CONSTRUCTION AT PHONE NO. 1-888-DIG-SAFE. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING DRAINAGE AND UTILITIES BOTH UNDERGROUND AND OVERHEAD BEFORE EXCAVATION BEGINS IN ACCORDANCE WITH THE "DIG SAFE LAW" ENACTED BY R.I. LEGISLATURE BILL NO. 795-291, WHICH BECAME EFFECTIVE JULY 1, 1979 AND BY CONTACTING THE INDIVIDUAL UTILITY COMPANIES. EXCAVATION SHALL BE IN ACCORDANCE WITH ALL STATUTES, ORDINANCES, RULES AND REGULATIONS OF ANY APPLICABLE CITY, TOWN, STATE OR FEDERAL AGENCY. THE CONTRACTOR SHOULD UNDERSTAND THAT NOT ALL UTILITIES SUBSCRIBE TO THE DIG SAFE PROGRAM. IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES AND ENSURE THAT ALL UTILITIES HAVE BEEN MARKED PRIOR TO COMMENCING THEIR WORK. ANY DAMAGE TO EXISTING UTILITIES MARKED IN THE FIELD, OR AS A RESULT OF FAILING TO CONTACT THE APPROPRIATE UTILITY COMPANY, SHALL BE REPAIRED OR REPLACED AT NO COST TO THE OWNER.
16. ALL EXISTING PAVEMENT DISTURBED DURING CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED WITH TEMPORARY PAVEMENT. PERMANENT PAVEMENT SHALL MEET RIDOT REQUIREMENTS AND SPECIFICATIONS AS DETAILED IN THE CONTRACT DOCUMENTS.
17. ALL EXISTING CURBING, SIDEWALK AND OTHER PAVEMENT DISTURBED BY THE CONTRACTOR SHALL BE REPLACED AND RESTORED, IN KIND AT NO ADDITIONAL COST TO THE OWNER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING PREVENTATIVE MEASURES TO AVOID ANY ENVIRONMENTAL IMPACTS. THESE MEASURES SHALL INCLUDE BUT ARE NOT LIMITED TO:

2. ALL HOSES AND FUEL TRANSFER OPERATIONS SHALL BE CONDUCTED IN AN EFFICIENT AND SAFE MANNER IN ACCORDANCE WITH THE CONTRACTOR'S OPERATION MANUAL, AND AT A MINIMUM OF 100 FEET AWAY FROM ANY WATER BODIES.
3. OIL ABSORBENT PADS SHALL BE PLACED UNDER ALL MACHINERY DURING FUELING OPERATIONS.
4. ALL HYDRAULIC EQUIPMENT SHALL HAVE VEGETABLE OIL BASED, NON-TOXIC, NON-POLLUTING, HYDRAULIC FLUID.
5. EQUIPMENT SHALL BE PROPERLY MAINTAINED AND RECORDED IN WEEKLY LOGS AS TO REQUIREMENTS FOR AND ACTUAL MAINTENANCE COMPLETED.
6. A SPILL KIT OR ABSORBENT MATERIALS AND A MINIMUM OF 500 FEET OF USCG APPROVED OIL CONTAINMENT BOOM SHALL BE ON-SITE AT ALL TIMES DURING CONSTRUCTION OPERATIONS.
7. THE CONTRACTOR SHALL IMPLEMENT AND ADHERE TO ANY PROVISIONS REQUIRED BY ANY PERMITS ISSUED FOR THE WORK.

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT CONSTRUCTION ACTIVITIES PROCEED IN A SMOOTH LOGICAL SEQUENCE AND IN A MANNER THAT WILL NOT CAUSE ANY DAMAGE TO OR CREATE EXCESSIVE STRESSES, LOADS, OR VIBRATIONS ON EXISTING OR PROPOSED STRUCTURES.

3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST OSHA REGULATIONS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A LEVEL AND STABLE SURFACE ON WHICH EQUIPMENT WILL OPERATE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEVELOPING ITS OWN PICK/LIFT PROCEDURES INCLUDING, BUT NOT LIMITED TO SAFE PICKING RADI, LIFTING DEVICES AND SLINGS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE WEIGHT OF EACH LIFT AND FOR ENSURING THE STABILITY OF EACH LIFT DURING ALL PHASES OF WORK.
7. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO LOCATE AND PROTECT EXISTING UTILITIES IN THE AREA AS REQUIRED. OVERHEAD POWER LINES ADJACENT TO WORK AREAS ARE TO BE SHUT DOWN DURING OPERATIONS WHEN THE CONTRACTOR BELIEVES THEY MAY INTERFERE, OR ARE TOO CLOSE TO THE WORK. WHEN POWER LINES IN THE WORK AREA CAN NOT BE DEENERGIZED, THE CONTRACTOR SHALL MAINTAIN A SAFE DISTANCE AS DETERMINED BY OSHA. ALL UTILITIES SHALL BE LOCATED AND MARKED IN ACCORDANCE WITH OSHA STANDARDS.
8. ALL HOLES AND SLOTS SPECIFIED IN STEEL PLATES AND SHAPES FOR BOLTS SHALL BE FACTORY DRILLED OR MAG-DRILLED IN THE FIELD. NO BURNING SHALL BE ALLOWED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING MONITORING WELLS DURING CONSTRUCTION. ANY DAMAGE TO THE MONITORING WELLS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

- CONSTRUCTION LIMITS ARE SHOWN ON THE DRAWINGS.
- THE CONTRACTOR WILL NOT BE PERMITTED TO LAY DOWN ANY EQUIPMENT OR MATERIALS ON THE PIER EXTENSION DURING THE COURSE OF THE WORK.

1. THE HORIZONTAL CONTROL DATUM FOR THIS PROJECT IS NAD 83.

3. LANDSIDE CONTOURS AND SPOT ELEVATIONS SHOWN ON THESE PLANS ARE REFERENCED TO QVAD UNLESS NOTED OTHERWISE. WATERSIDE CONTOURS SHOWN ON THESE PLANS ARE REFERENCED TO MILLW.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING ALL LAYOUT WORK FROM THE CONTROL MONUMENTATION PROVIDED.

THE WAVE ATTENUATION AND ANCHORING SYSTEM IS BEING DESIGNED FOR THE FOLLOWING WIND AND WAVE CRITERIA:

- C. LOAD COMBINATIONS AS SPECIFIED BY ASCE-7.

[illegible]

PIER 2 EXTENSION WAVE ATTENUATION PROJECT

NOTES I

Davisville Waterfront District
Quonset Business Park®

SHEET NO.

G-1

2 OF 8 SHEETS

RECEIVED
1/31/2025
COASTAL RESOURCES
MANAGEMENT COUNCIL

AVAILABLE SUBSURFACE INFORMATION:

1. GEOTECHNICAL INFORMATION, AS INCLUDED AND SHOWN IN THE CONTRACT DOCUMENTS, WAS OBTAINED BY THE RHODE ISLAND ECONOMIC DEVELOPMENT CORP. AND THE QDC FOR USE IN THE COLLECTION OF GENERAL SITE INFORMATION RELATIVE TO SUBSURFACE CONDITIONS.
2. IT IS INTENDED THAT SUBSURFACE INFORMATION, AS NOTED ABOVE, BE USED ONLY AS AN INDICATION OF POSSIBLE SUBSURFACE CONDITIONS; AND THAT UPON THE CONTRACTOR'S REVIEW, FURTHER SUBSURFACE EXPLORATIONS MAY BE WARRANTED. SUCH EXPLORATIONS SHALL BE PERFORMED AT THE CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL USE THE INFORMATION PROVIDED AT ITS OWN RISK AND SHALL COMPLETELY HOLD HARMLESS THE QDC FROM ALL CONSEQUENCES AND/OR FAULT ARISING FROM ITS USE.

SOIL EROSION AND SEDIMENT CONTROL:

1. DISTURBANCE OF SOIL SURFACES IS REGULATED BY STATE LAW. ALL WORK SHALL COMPLY WITH THE RHODE ISLAND SOIL EROSION & SEDIMENT CONTROL HANDBOOK, LATEST EDITION.
2. THE SOIL EROSION CONTROL MEASURES SHOWN AND DETAILED HEREIN SHOULD BE CONSIDERED THE MINIMUM ACCEPTABLE STANDARDS FOR THE PROJECT. THE INITIAL METHOD OUTLINED IS INTENDED TO ROUTE ALL PRACTICABLE SURFACE WATER FROM THE EXCAVATION AREAS INTO EROSION CONTROL FACILITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CLEAN ROADS, CONTROL DUST AND INSTALL ANY ADDITIONAL PROTECTIVE MEASURES NECESSARY TO CONTROL RUNOFF FROM THE SITE DURING CONSTRUCTION ACTIVITIES AND ENSURE THAT THE PROJECT SITE AND ALL ADJACENT PROPERTIES ARE MAINTAINED IN A CLEAN, MUD AND DUST FREE CONDITION AT ALL TIMES.
3. PRIOR TO COMMENCEMENT OF SITE PREPARATION OR EARTHWORK THE CONTRACTOR SHALL IMPLEMENT THE SOIL EROSION AND SEDIMENT CONTROL PLAN (SESCP). THE CONTRACTOR SHALL COMPLY WITH THE SOIL EROSION AND SEDIMENT CONTROL PLAN THROUGHOUT THE DURATION OF THE WORK.
4. CONTRACTOR SHALL STAKE OUT OR FENCE OFF THE LIMIT OF WORK IN THE FIELD TO ENSURE THAT ALL WORK WILL OCCUR WITHIN THE APPROVED LIMITS OF DISTURBANCE.
5. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES ON SITE, A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD ON SITE TO ESTABLISH SUPERVISORY AND INSPECTION PROCEDURES FOR SEDIMENT AND EROSION CONTROL MEASURES. THE MEETING SHALL BE ATTENDED BY THE CONTRACTOR AND A REPRESENTATIVE FROM QDC.

6. THE EROSION CONTROL MEASURES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTORS RESPONSIBILITY TO INSTALL & MAINTAIN EROSION CONTROL DEVICES FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION.

7. THE EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY RAINSTORM TO ENSURE THEY ARE FUNCTIONING PROPERLY, REPAIR ANY DAMAGED AREAS IMMEDIATELY AND REMOVE ALL CAPTURED SEDIMENT AS REQUIRED. A "WALK THROUGH" INSPECTION OF THE CONSTRUCTION SITE SHOULD BE COMPLETED BEFORE ANTICIPATED RAINFALL EVENTS.

8. ADDITIONAL EROSION CONTROL MEASURES SHALL BE PLACED AS DIRECTED BY QDC.

9. DEWATERING OF ALL EXCAVATIONS SHALL BE PUMPED THROUGH DEWATERING BAGS AND DISCHARGED INTO A TEMPORARY SILTATION BASIN WITHIN THE APPROVED PROJECT LIMIT OF DISTURBANCE.

10. AT NO TIME SHALL SILT LADEN WATER BE ALLOWED TO ENTER ENVIRONMENTALLY SENSITIVE AREAS, EXISTING OR NEW DRAINAGE SYSTEMS. RUNOFF FROM DISTURBED AREAS SHALL BE DIRECTED THROUGH A TEMPORARY SILTATION BASIN & EROSION CONTROL MEASURES PRIOR TO ENTERING ANY ENVIRONMENTALLY SENSITIVE AREA OR DRAINAGE SYSTEM.

- CONTRACTOR SHALL REDUCE SURFACE AND AIR MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES CAUSED BY CONSTRUCTION ACTIVITIES. CONSTRUCTION ACTIVITIES SHALL BE SCHEDULED SO THAT THE LEAST AREA OF DISTURBED SOIL IS EXPOSED AT ONE TIME. IN DISTURBED AREAS NOT SUBJECT TO TRAFFIC, CONTRACTOR SHALL USE TEMPORARY SEEDING AND MULCHING OPERATIONS. IN DISTURBED AREAS SUBJECT TO TRAFFIC, CONTRACTOR SHALL SPRINKLE SURFACE WITH WATER TO MINIMIZE DUST. DUST CONTROL MEASURES SHALL BE MAINTAINED THROUGH DRY WEATHER PERIODS UNTIL ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.

- 12.2. ALL DISTURBED AREAS NOT COVERED BY BUILDING, PAVEMENT OR OTHER GROUND COVER SHALL BE PLANTED IN ACCORDANCE WITH THE LOAM AND SEEDING SECTION HEREIN. IF SEEDING CANNOT BE COMPLETED IMMEDIATELY, DISTURBED AREAS SHALL BE STABILIZED WITH A SPREAD HAY MUCH APPROPRIATELY ANCHORED OR EROSION CONTROL BLANKET.

113. SURFACE STABILIZATION MUST BE IMPLEMENTED WITHIN 14 DAYS AFTER CONSTRUCTION ACTIVITY IN A PORTION OF THE SITE HAS CEASED OR BEEN TEMPORARY HALTED.

14. THE CONTRACTOR SHALL INSTALL REINFORCED SILT BARRIER AROUND STOCKPILE AREAS, TRUCK WASH DOWN AREAS AND VEHICLE REFUELING AREAS.

15. AS SOON AS CONSTRUCTION IS COMPLETED, ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF ANY ACCUMULATED SEDIMENT AND DEBRIS. THEREAFTER, CLEAN UP SHOULD FOLLOW LONG TERM MAINTENANCE PLAN.

16. THE CONTRACTOR SHALL REMOVE CONSTRUCTION FENCE, SILT BARRIER AND EROSION CONTROL MEASURES ONLY AFTER ESTABLISHMENT OF PERMANENT VEGETATION.

STOCKPILE MANAGEMENT:

1. EXCAVATED MATERIAL GENERATED DURING THE EXECUTION OF THIS WORK SHALL BE TEMPORARILY STOCKPILED.
 2. THE CONTRACTOR SHALL MAINTAIN THE STOCKPILES AND THE AREAS AROUND THEM SO THEY ARE GRADED TO DRAIN. THE CONTRACTOR SHALL ALSO TAKE ALL NECESSARY PRECAUTIONS TO MINIMIZE EROSION FROM THE STOCKPILES INCLUDING, BUT NOT LIMITED TO, THE INSTALLATION OF HAY BALES OR SILT FENCES.
 3. EXCESS MATERIAL THAT DOES NOT MEET THE SPECIFIED GRADATION REQUIREMENTS AND/OR EXCAVATED MATERIAL IN EXCESS OF THAT REQUIRED FOR COMPLETING THIS PROJECT SHALL BE STOCKPILED AT THE QDC'S ACTIVE MATERIAL/STORAGE STOCKPILE AREA.
 4. MATERIAL THAT IS VISIBLY OR OLFACTORY CONTAMINATED SHALL BE TEMPORARILY PLACED ON 10 MIL PLASTIC TARPS AND THE STOCKPILED MATERIAL COVERED WITH 10 MIL PLASTIC TARPS TO PROTECT IT FROM THE ELEMENTS. QDC SHALL BE THE FIRST POINT OF CONTACT IF ANY MATERIAL APPEARS TO BE VISIBLY OR OLFACTORY CONTAMINATED, AND SHALL PROCESS THE MATERIAL AT QDC'S DIRECTION.
- CONSTRUCTION NOTES:
- MATERIALS
1. ALL BOLTS SHALL BE HOT-DIPPED GALVANIZED, ASTM F3125 GR. A325 TYPE 3.
 2. ALL NUTS AND WASHERS SHALL BE HOT DIPPED GALVANIZED, AND CONFORM TO ASTM A563 DH1 AND F436-3, RESPECTIVELY.
 3. ALL MISC. STEEL HARDWARE SHALL BE HOT-DIPPED GALVANIZED A36 STEEL (MIN).
 4. ALL STEEL PLATES AND STRUCTURAL SHAPES SHALL BE HOT-DIPPED GALVANIZED, ASTM A36, GR. 36 STEEL.
 5. THE WAVE ATTENUATION SYSTEM SHALL BE THE WAHOO WAVE, AS MANUFACTURED/SUPPLIED BY WAHOO DOCKS, OR APPROVED EQUAL.

[illegible]

PIER 2 EXTENSION WAVE ATTENUATION PROJECT

NOTES II

**Davisville Waterfront District
Quonset Business Park**

SHEET NO. **G-2** DRAWING NO. **26916**

**PERMIT SUBMISSION
NOT FOR CONSTRUCTION**
01/31/2025

LEGEND:

NOTE: LEGEND ITEMS ARE STANDARD AND DO NOT APPEAR ON EVERY SHEET.

EXISTING

PROPOSED

BASELINE

FEWA FLOOD

MHHW

MHW

MLW

MLLW

MEAN HIGHER HIGH WATER

MEAN HIGH WATER

MEAN LOW WATER

MEAN LOWER LOW WATER

PARCEL BOUNDARY

LEASE LINE

EASEMENT

LIMIT OF DISTURBANCE

TURBIDITY BARRIER

HAYBALES / SILT FENCE/COMPOST FILTER SOCK

MINOR CONTOUR

MAJOR CONTOUR

TEMPORARY SECURITY FENCE

GUARDRAIL

COMMUNICATIONS

COX COMMUNICATIONS

VERIZON COMMUNICATIONS

ELECTRIC SERVICE

ELECTRIC OVERHEAD WIRE

GAS OR PROPANE SERVICE

SANITARY SEWER GRAVITY SERVICE

SANITARY SEWER FORCE MAIN

STEAM SERVICE (ABANDONED)

STORM DRAIN SERVICE

WATER SERVICE (GENERIC)

WATER SERVICE (DOMESTIC)

WATER SERVICE (FIRE)

ABANDONED SERVICE

TEST PIT

SOIL BORING

COMMUNICATIONS HANDHOLE

COMMUNICATIONS MANHOLE

UTILITY POLE

ELECTRIC HANDHOLE

ELECTRIC MANHOLE

ELECTRIC OUTDOOR LIGHT

GAS VALVE

SEWER MANHOLE

SEWER CLEANOUT

SEWER FORCEMAIN PUMP

SEWER FORCEMAIN FLUSHING CONNECTION

SEWER FORCEMAIN VALVE

STORM DRAIN MANHOLE

STORM CATCH BASIN

WATER MANHOLE

WATER VALVE

WATER CURB STOP

FIRE HYDRANT

VALVE

MONITORING WELL

CAPPED PIPE

SEA GRASS/DUNE GRASS PLANTINGS

ROSA RUGOSA PLANTINGS

PAVEMENT AREAS

CONCRETE AREAS

GRAVEL AREAS

LAWN AREAS

PLANTED AREAS

BEACH AREAS

WAVE ATTENUATOR

STEEL PILE/SOIL ANCHOR

R.I. STANDARD DETAILS:

- 7.1.0

PRECAST CONCRETE CURB (SEE DETAIL D21)
- 7.1.1

3' -0" PRECAST CONCRETE TRANSITION CURB (SEE DETAIL D22)
- 7.1.2

6' -0" PRECAST CONCRETE TRANSITION CURB (SEE DETAIL D23)
- 7.2.4

PRECAST CONCRETE CAR STOPS (SEE DETAIL D24)
- 9.7.0

DEWATERING BASIN (SEE DETAIL D14)
- 9.9.0

CONSTRUCTION ACCESS (SEE DETAIL D15)
- 17.7.3

TRAFFIC MONITORING STATION LOOP DIMENSIONS (SEE DETAIL D93)
- 17.7.4

TRAFFIC MONITORING STATION LOOP WIRE INSTALLATION (SEE DETAIL D94)
- 17.7.5

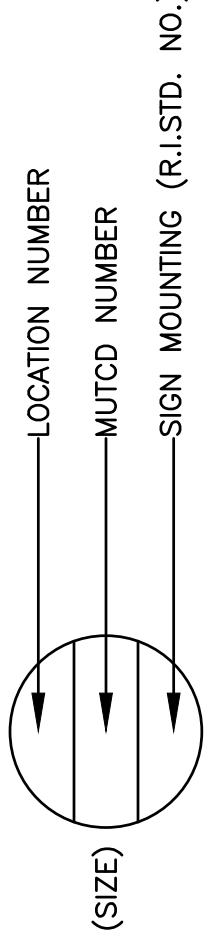
TRAFFIC MONITORING STATION SAWCUT CROSS-SECTION WITH A PAVEMENT OVERLAY (SEE DETAIL D94)
- 24.1.0

SIGN POST (SEE DETAIL D25)
- 34.4.0

STEEL BACKED TIMBER GUARDRAIL (SEE DETAIL D91)
- 43.1.0

CONCRETE SIDEWALK (SEE DETAIL D37)

TYPICAL SIGN DESIGNATION SYMBOL



VERTICAL DATUM CONVERSION:

	2017	
	NAVD88	QVD
MHHW	1.88	4.93
MHW	1.63	4.68
NAVD88	0.00	3.05
MLW	2.18	0.87
MLLW	-2.33	0.72
QVD	-3.05	0.00
		-0.87

NOTES:

1. THE TIDAL DATA SHOWN WAS TAKEN THE U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) ONLINE VERTICAL DATUM TRANSFORMATION PROGRAM, DETERMINED AT THE FOLLOWING LOCATIONS:
LOCATION: QUONSET, RHODE ISLAND
LATITUDE: 41.614 N
LONGITUDE: 71.405 W
2. REFERENCE TO QVD WAS OBTAINED FROM A PLAN TITLED "SURVEY OF THE PLAN FOR ROAD AND ECONOMIC DEVELOPMENT CORPORATION" PREPARED BY COSTER SURVEY COMPANY, OF WARWICK, RI AND LAST REVISED JULY 23, 2018.

PROJECT BENCH MARKS:

QDC CONTROL PT. 16
LOCATED AT THE TERMINUS OF ROGER WILLIAMS WAY
DISC 4049B
ELEVATION (QVD) 10.78
N: 183200.07
E: 353309.32

QDC CONTROL PT. 60
LOCATED AT COMPASS ROSE BEACH
IRON ROD SET
ELEVATION (QVD) 13.04
N: 358147.35
E: 351142.39

QUONSET

DEVELOPMENT CORPORATION

PLANNING & DEVELOPMENT

95 Cripe Street

North Kingstown, RI 02852

Tel.: (401) 295-0044

Fax: (401) 268-9885

www.quonset.com

LEGEND

Davisville Waterfront District
Quonset Business Park[®]

SHEET NO.

G-3

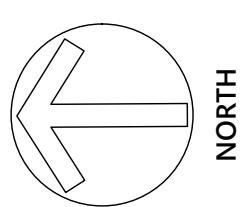
4 OF 8 SHEETS

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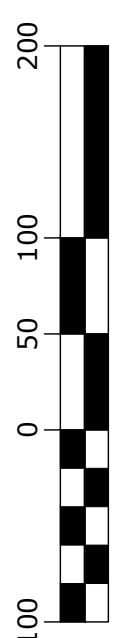
26916

173172025

COASTAL RESOURCES
MANAGEMENT CORP.



GRAPHIC SCALE



(IN FEET)
1 inch =100 ft.

[illegible]

PIER 2 EXTENSION WAVE ATTENUATION PROJECT

OVERALL SITE PLAN

Davisville Waterfront District
Quonset Business Park®

SHEET NO. _____

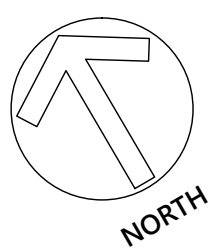
51

5 OF 8 SHEETS

NOT FOR CONSTRUCTION
01/31/2025

01/31/2025



[illegible]

PIER 2 EXTENSION WAVE ATTENUATION PROJECT

EXISTING CONDITIONS
PLAN

Davisville Waterfront District
Quonset Business Park®

SHEET NO.

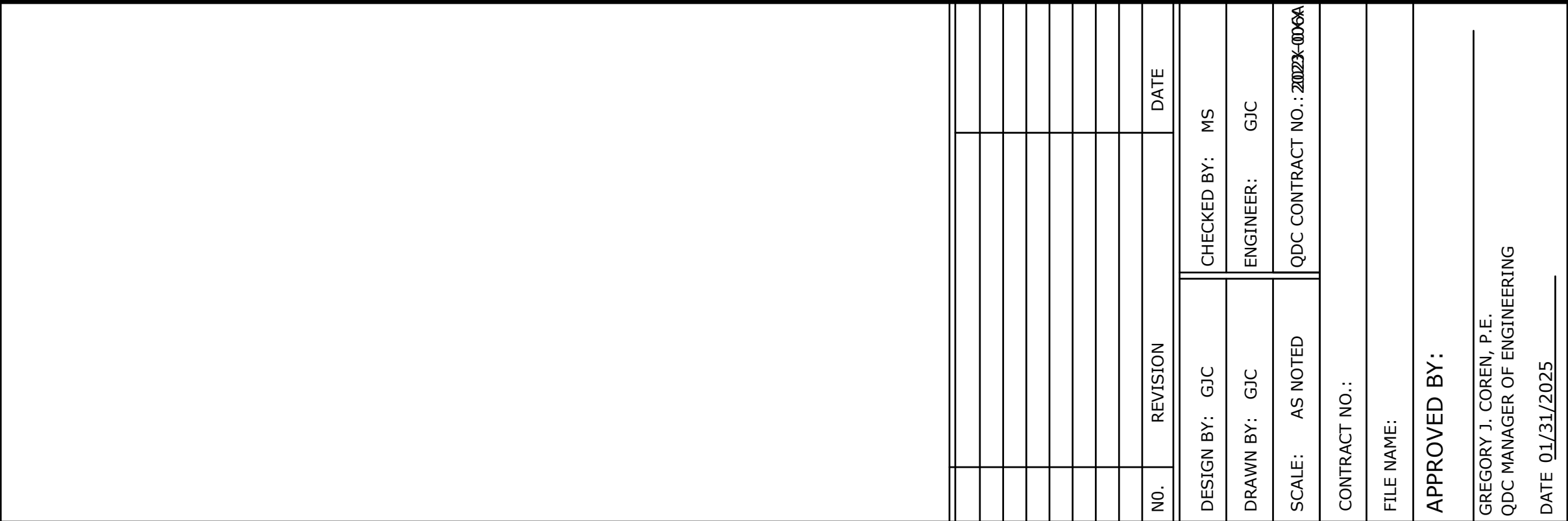
C-2

6 OF 8 SHEETS

**PERMIT SUBMISSION
NOT FOR CONSTRUCTION**
01/31/2025

01/31/2025





DETAILS I

SHEET NO.

D-1

8 OF 8 SHEETS

DRAWING NO.

26916

RECEIVED
1/31/2025
COASTAL RESOURCES
MANAGEMENT COUNCIL



1. TIP ELEVATIONS FOR THE HELICAL SOIL ANCHORS ARE EXPECTED TO BE SHALLOWER THAN THE STEEL PILES, AND WILL BE DETERMINED DURING FINAL DESIGN OF THE WAVE ATTENUATOR ANCHOR SYSTEM. STEEL PILES ARE SHOWN TO REPRESENT THE GREATER DEGREE OF DISTURBANCE BETWEEN THE TWO PROPOSED SYSTEMS.

A
7-C-3

TYPICAL WAVE ATTENUATOR SECTION

SCALE: 1" = 10'