



# PUBLIC NOTICE

US Army Corps  
of Engineers  
New York District  
Jacob K. Javits Federal Building  
New York, N.Y. 10278-0090  
ATTN: Regulatory Branch

**In replying refer to:**  
Public Notice Number: NAN-2012-00146-EST  
Issue Date: August 10, 2012  
Expiration Date: September 10, 2012

## To Whom It May Concern:

The New York District, Corps of Engineers has received an application for a Department of the Army permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) and Section 404 of the Clean Water Act (33 U.S.C. 1344).

APPLICANT: City of Perth Amboy  
260 High Street  
Perth Amboy, NJ 08861

ACTIVITY: Erosion protection for the City of Perth Amboy waterfront.

WATERWAY: Raritan Bay, Arthur Kill Reach of NY & NJ Channels

LOCATION: City of Perth Amboy, Middlesex County, New Jersey

A detailed description and plans of the applicant's activity are enclosed to assist in your review.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

ALL COMMENTS REGARDING THE PERMIT APPLICATION MUST BE PREPARED IN WRITING AND MAILED TO REACH THIS OFFICE BEFORE THE EXPIRATION DATE OF THIS NOTICE, otherwise, it will be presumed that there are no objections to the activity. Comments provided will become a part of the public record for this action.

**PLEASE USE THE 18-CHARACTER FILE NUMBER ON ALL CORRESPONDENCE**

CENAN-OP-RE  
PUBLIC NOTICE NO. NAN-2012-00146-EST

Any person may request, in writing, before this public notice expires, that a public hearing be held to collect information necessary to consider this application. Requests for public hearings shall state, with particularity, the reasons why a public hearing should be held. It should be noted that information submitted by mail is considered just as carefully in the permit decision process and bears the same weight as that furnished at a public hearing.

Our preliminary determination is that the activity for which authorization is sought herein is not likely to affect any Federally endangered or threatened species or their critical habitat. However, pursuant to Section 7 of the Endangered Species Act (16 U.S.C. 1531), the District Engineer is consulting with the appropriate Federal agency to determine the presence of and potential impacts to listed species in the project area or their critical habitat.

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act (Public Law 104-267), requires all Federal agencies to consult with the National Oceanic and Atmospheric Administration Fisheries Service (NOAA/FS) on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The proposed work, fully described in the attached work description, could cause the disruption of habitat for various lifestages of some EFH-designated species as a result of a temporary increase in turbidity during construction. However, the New York District has made the preliminary determination that the site-specific adverse effects are not likely to be substantial because it is expected that fish populations would avoid the small area of disturbance. Further consultation with NOAA/FS regarding EFH impacts and conservation recommendations is being conducted and will be concluded prior to the final decision.

Based upon a review of the latest published version of the National Register of Historic Places, there are no known sites eligible for, or included in, the Register within the permit area. Presently unknown archeological, scientific, prehistorical, or historical data may be lost by work accomplished under the required permit.

Reviews of activities pursuant to Section 404 of the Clean Water Act will include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404 (b) of the Clean Water Act and the applicant will obtain a water quality certificate or waiver from the appropriate state agency in accordance with Section 401 of the Clean Water Act prior to a permit decision.

Pursuant to Section 307 (c) of the Coastal Zone Management Act of 1972 as amended [16 U.S.C. 1456 (c)], for activities under consideration that are located within the coastal zone of a state which has a federally approved coastal zone management program, the applicant has certified in the permit application that the activity complies with, and will be conducted in a manner that is consistent with, the approved state coastal zone management program. By this public notice, we are requesting the state's concurrence with, objection to, or waiver of the applicant's certification. No permit decision will be made until one of these actions occurs. For activities within the coastal zone of New Jersey State, the applicant's certification and accompanying information is available from the New Jersey Department of Environmental Protection, Coastal Management Program, P.O. Box 418, 401 E. State Street, Trenton, NJ, 08625, Telephone (609) 633-2201. Comments regarding the applicant's certification, and copies of any letters to this office commenting upon this proposal, should be so addressed.

In addition to any required water quality certificate and coastal zone management program concurrence, the applicant has obtained or requested the following governmental authorization for the activity under consideration:

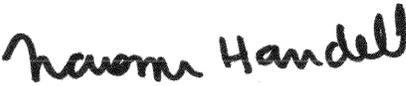
- New Jersey Department of Environmental Protection

In order for us to better serve you, please complete our Customer Service Survey located at:  
<http://www.nan.usace.army.mil/business/buslinks/regulat/index.php?survey>.

CENAN-OP-RE  
PUBLIC NOTICE NO. NAN-2012-00146-EST

It is requested that you communicate the foregoing information concerning the activity to any persons known by you to be interested and who did not receive a copy of this notice. If you have any questions concerning this application, you may contact this office at (917) 970-8533 and ask for Leo Strogach.

For more information on New York District Corps of Engineers programs, visit our website at <http://www.nan.usace.army.mil>

  
 Jodi M. McDonald  
Chief, Regulatory Branch

Enclosures

**WORK DESCRIPTION**

The applicant, City of Perth Amboy, has requested Department of the Army authorization for beach replenishment along the City's shoreline extending from Second Street to High Street fronting the Raritan Bay; and repairs to bulkheads and revetments extending from Lewis Street to Smith Street along the Arthur Kill. The work would be done in the City of Perth Amboy, Middlesex County, New Jersey.

The work would involve the following:

**Area 1** - Reconstruction of the existing revetment with placement of approximately 3 cubic yards of stone below Spring High Water (SHW) elevation across the 39 square feet area.

**Area 2** - Replacement in-place of a 77-foot-long and a 73-foot-long sections of timber bulkhead with steel sheet pile fronting the north and east property lines and the installation of a 23-foot-long new steel sheet pile perpendicular to the shoreline; placement of total of 242 cubic yards of stone revetment in the area of 1,825 square feet with 210 cubic yards of stone (1,620 square feet) placed below the SHW elevation.

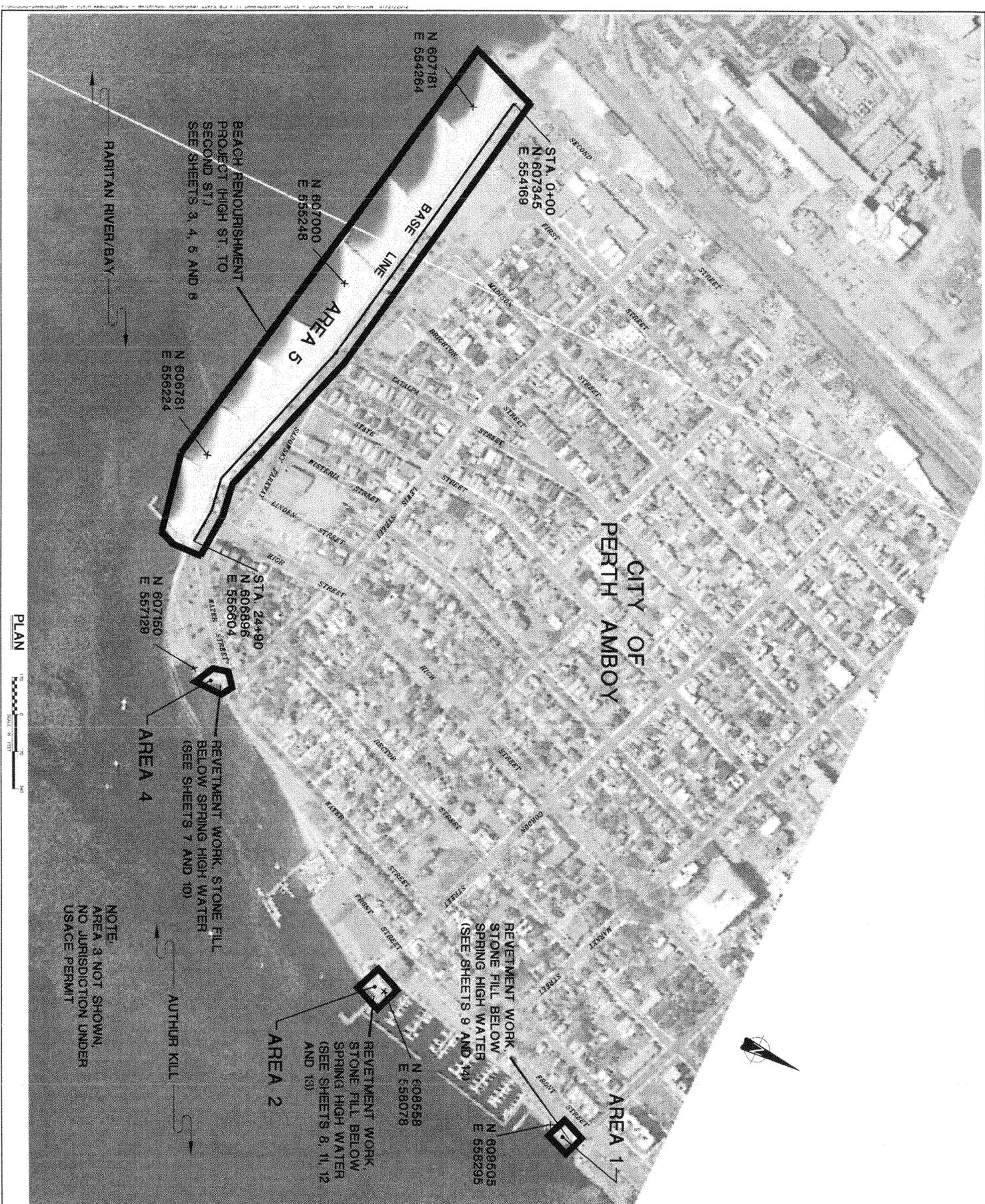
**Area 4** - Placement of 454 cubic yards of stone revetment over the area of 6,128 square feet. An estimated 18 cubic yards of stone (280 square feet area) would be placed below the SHW elevation.

**Area 5** - A 10 year permit for the initial beachfill with following-up maintenance for placement of an estimated 32,800 cubic yards of sand dredged under Department of the Army's Permit Number 2001-00492 in the area of approximately 426,000 square feet between the Second Street and High Street along the shoreline on the Raritan Bay. Approximately 26,000 cubic yards of that material would be placed below SHW elevation covering 286,000 square feet area.

The applicant has stated that they have avoided, minimized, and mitigated for impacts proposed to the maximum extent practicable by limited construction to the smallest area practicable together with proposed no work windows during the March 2 through May 31 and September 1 through November 30 periods of each calendar year.

The stated purpose of this project is to provide erosion protection and beach nourishment for the SE shoreline of Perth Amboy.





BEACH RENOURISHMENT  
PROJECT (HIGH ST. TO  
SECOND ST.)  
SEE SHEETS 3, 4, 5 AND 6

RARITAN RIVER/BAY

CITY OF  
PERTH AMBOY

NOTE:  
AREA 3 NOT SHOWN,  
NO JURISDICTION UNDER  
USACE PERMIT

AUTHUR KILL

PLAN



CITY OF PERTH AMBOY  
MIDDLESEX COUNTY, NEW JERSEY  
  
WATERFRONT REPAIRS  
  
OVERALL LOCATION PLAN

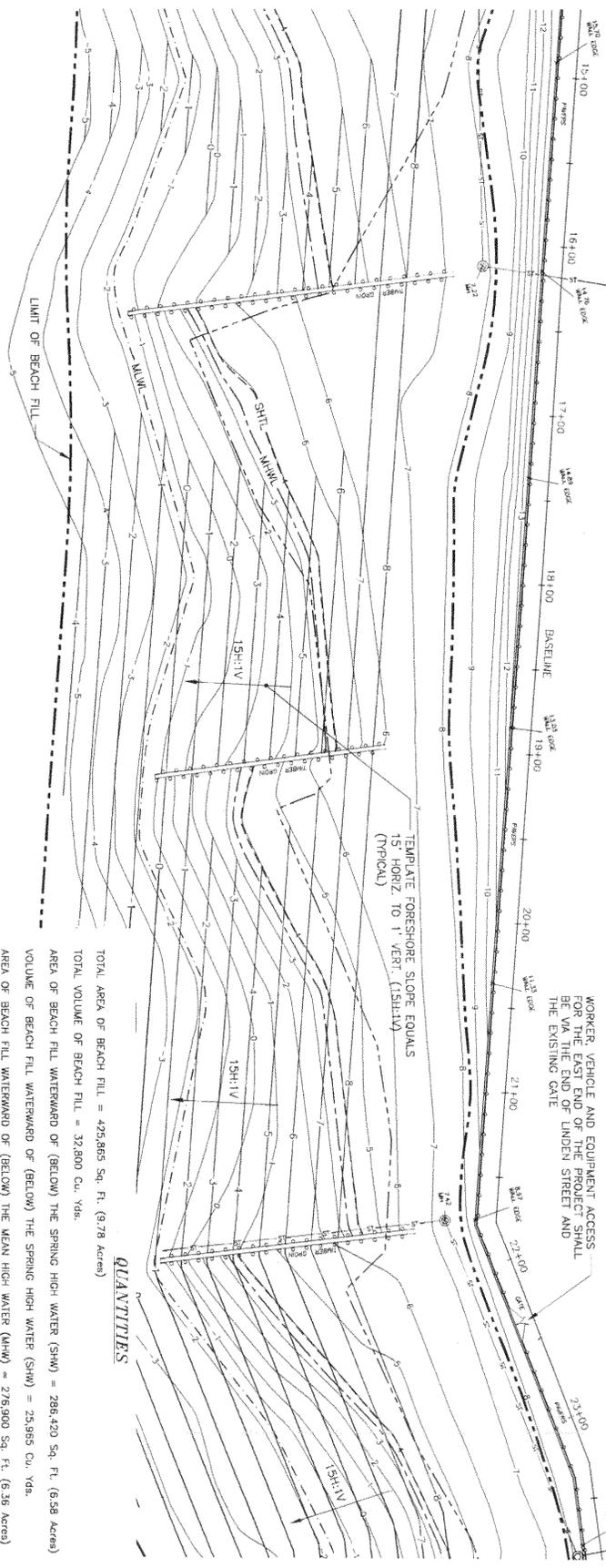
**Hatch Mott MacDonald**  
Certificate No. 245A28016630  
3 Paragon Way  
Freehold, New Jersey 07728

**ROBERT C. MAINBERGER**  
Professional Engineer - NJ Lic. No. 240E34195900  
*Robert Mainberger* Cote 6/8/12  
Designer R.C.M. Draw D.E. Checked R.C.M. Approved Date Date

**SHEET 2**

*NOID # 2012-00146-EGT*





WORKER, VEHICLE AND EQUIPMENT ACCESS FOR THE EAST END OF THE PROJECT SHALL BE VIA THE END OF LINDEN STREET AND THE EXISTING GATE

TEMPLATE FORESHORE SLOPE EQUALS 15' HORIZ TO 1' VERT. (15H:1V)

**QUANTITIES**

- TOTAL AREA OF BEACH FILL = 425,885 Sq. Ft. (9.78 Acres)
- TOTAL VOLUME OF BEACH FILL = 32,800 Cu. Yds.
- AREA OF BEACH FILL WATERWARD OF (BELOW) THE SPRING HIGH WATER (SHW) = 286,420 Sq. Ft. (6.58 Acres)
- VOLUME OF BEACH FILL WATERWARD OF (BELOW) THE SPRING HIGH WATER (SHW) = 25,955 Cu. Yds.
- AREA OF BEACH FILL WATERWARD OF (BELOW) THE MEAN HIGH WATER (MHW) = 278,900 Sq. Ft. (6.36 Acres)
- VOLUME OF BEACH FILL WATERWARD OF (BELOW) THE MEAN HIGH WATER (MHW) = 25,150 Cu. Yds.
- AREA OF BEACH FILL WATERWARD OF (BELOW) THE MEAN LOW WATER (MLW) = 131,440 Sq. Ft. (3.02 Acres)
- VOLUME OF BEACH FILL WATERWARD OF (BELOW) THE MEAN LOW WATER (MLW) = 9,495 Cu. Yds.

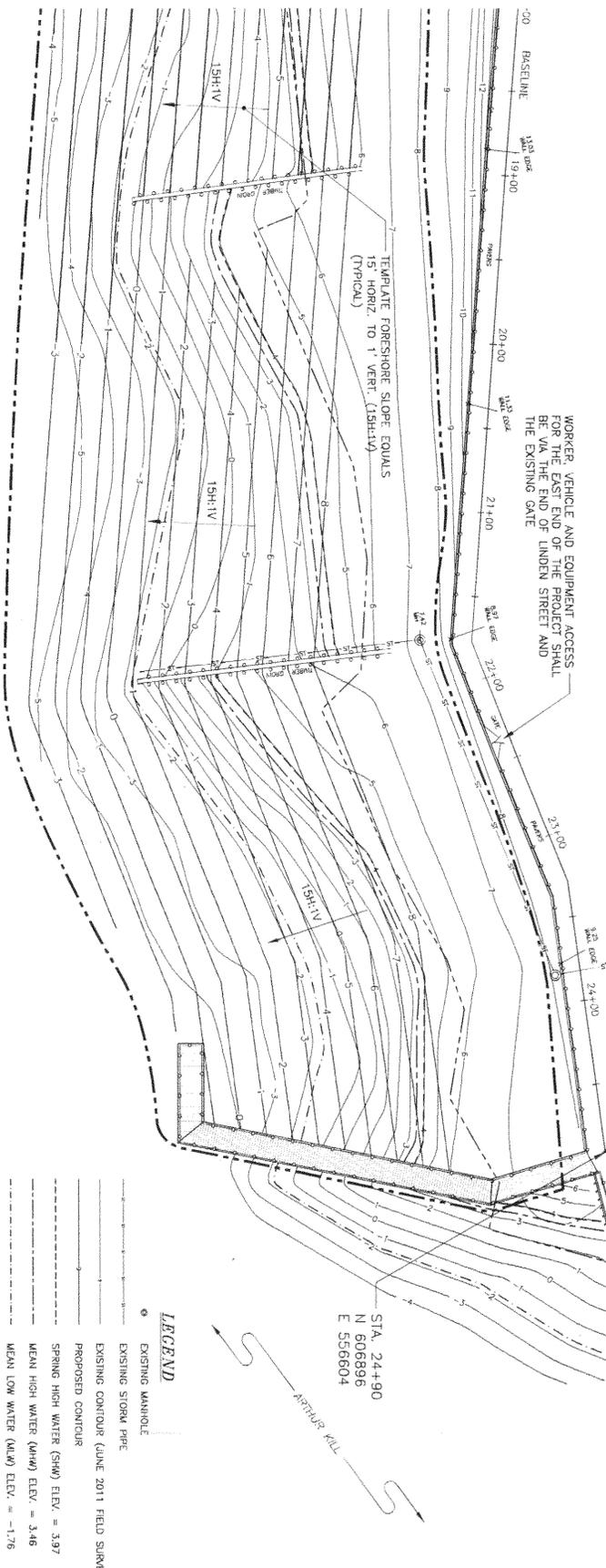
NOTE: BEACH FILL PROJECT SHOWN, UTILIZES BEACH FILL TEMPLATE OF LIMITS SEGMENTED FROM UNDER OTHER RELATED PROJECT NUMBERS 1216-90-0004.6 & 1216-90-0004.7 DATED FEB. 11, 2002 AND U.S.A.C.E. PERMIT NUMBER 2000-00725 DATED SEPT. 24, 2004.

**PLAN**



WORKER, VEHICLE AND EQUIPMENT ACCESS FOR THE EAST END OF THE PROJECT SHALL BE VIA THE END OF LINDEN STREET AND THE EXISTING GATE

TEMPLATE FORESHORE SLOPE EQUALS 15' HORIZ TO 1' VERT. (15H:1V)



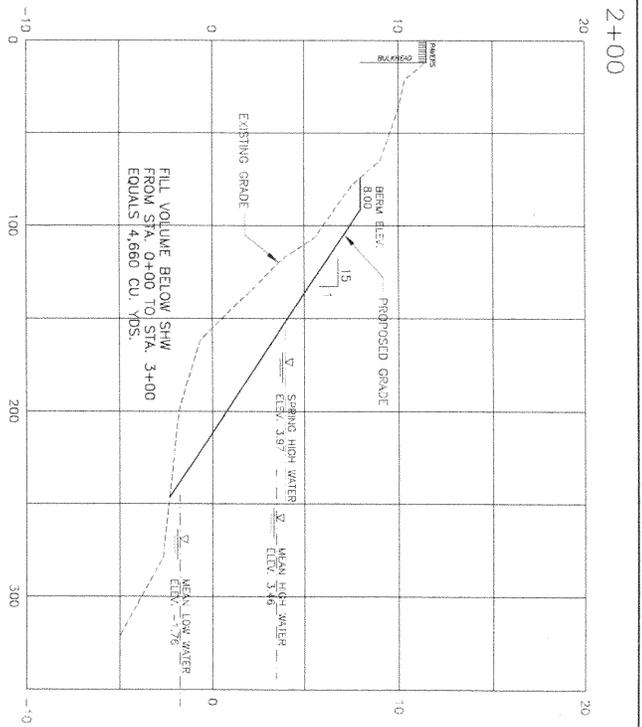
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E 556804

**LEGEND**

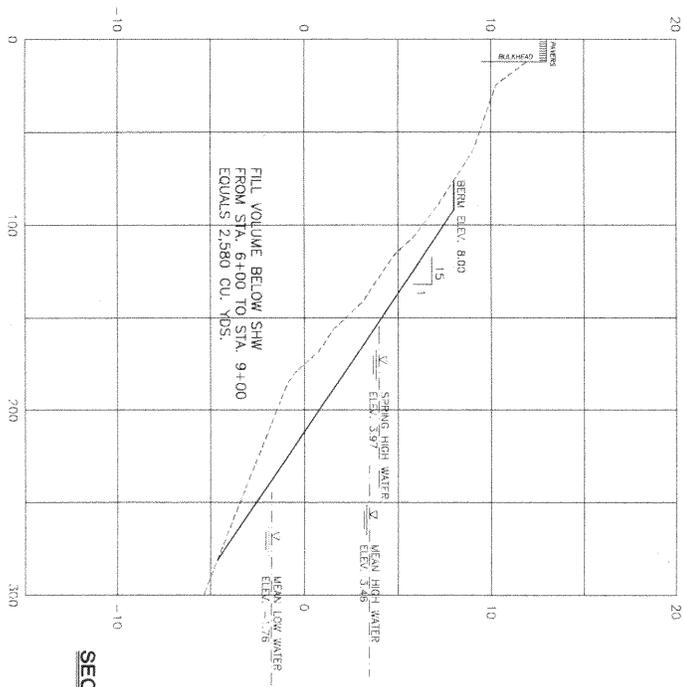
- EXISTING MANHOLE
- EXISTING STORM PIPE
- PROPOSED CONTOUR (JUNE 2011 FIELD SURVEY)
- SPRING HIGH WATER (SHW) ELEV. = 3.97
- MEAN HIGH WATER (MHW) ELEV. = 3.46
- MEAN LOW WATER (MLW) ELEV. = -1.76
- UPPER WETLANDS BOUNDARY (MAP #602-2106)

200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300	CITY OF PERTH AMBOY MIDDLESEX COUNTY, NEW JERSEY <b>WATERFRONT REPAIRS AREA 5 PROPOSED BEACH GRADING PLAN</b>	 Certificate No. 24CA28016600 3 Paragon Way Freehold, New Jersey 07728	<b>ROBERT C. MAINBERGER</b> Professional Engineer - NJ Lic. No. 24GEC4195900 <i>[Signature]</i> Date 5/8/12	<table border="1"> <tr> <td>Designed</td> <td>Drawn</td> <td>Checked</td> <td>Approved</td> <td>Date</td> </tr> <tr> <td>R.C.M.</td> <td>D.F.</td> <td>R.E.V.</td> <td></td> <td></td> </tr> </table>	Designed	Drawn	Checked	Approved	Date	R.C.M.	D.F.	R.E.V.			<b>SHEET 4</b>
	Designed	Drawn	Checked	Approved	Date										
R.C.M.	D.F.	R.E.V.													
298 299 300	<b>PROPOSED BEACH GRADING PLAN</b>	3 Paragon Way Freehold, New Jersey 07728	<b>ROBERT C. MAINBERGER</b> Professional Engineer - NJ Lic. No. 24GEC4195900 <i>[Signature]</i> Date 5/8/12	<table border="1"> <tr> <td>Designed</td> <td>Drawn</td> <td>Checked</td> <td>Approved</td> <td>Date</td> </tr> <tr> <td>R.C.M.</td> <td>D.F.</td> <td>R.E.V.</td> <td></td> <td></td> </tr> </table>	Designed	Drawn	Checked	Approved	Date	R.C.M.	D.F.	R.E.V.			<b>SHEET 4</b>
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R.C.M.	D.F.	R.E.V.													

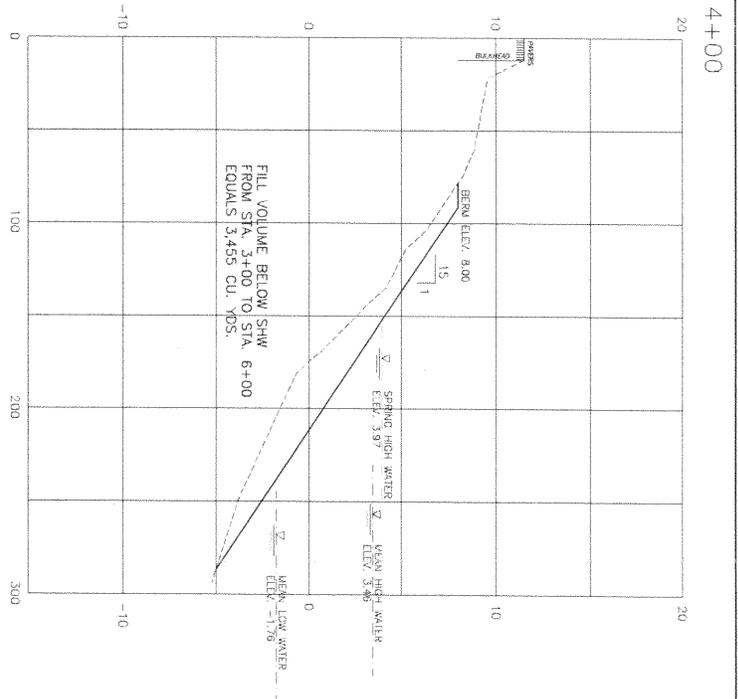
*Handwritten:* MAP # 2012-00146-EST



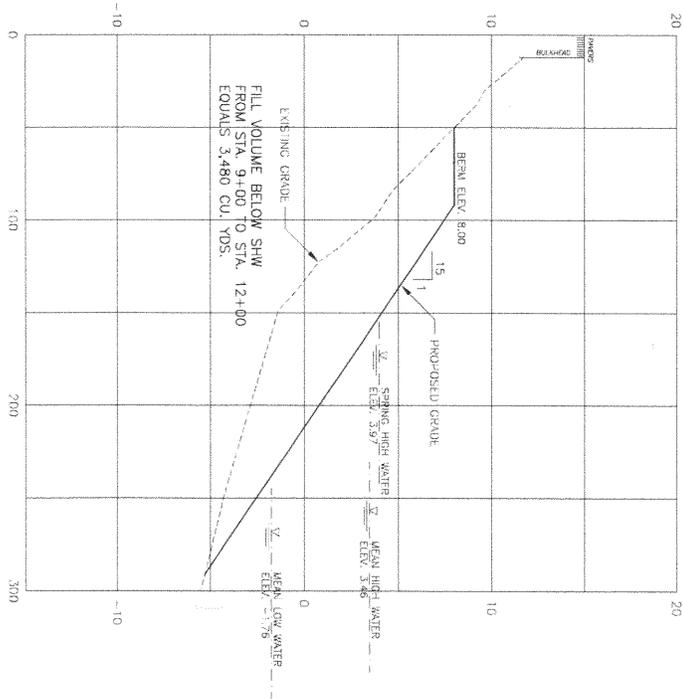
SECTIONS



SECTIONS



SECTIONS



**ROBERT C. MAINBERGER**  
Professional Engineer - NJ Lic. No. 240FC4125900

*Robert C. Mainberger* Date 8/8/12

Designed	Drawn	Checked	Approved	Date
R.C.M.	D.F.	R.C.V.		

**Hatch Mott MacDonald**  
Certificate No. 240AZ8016800

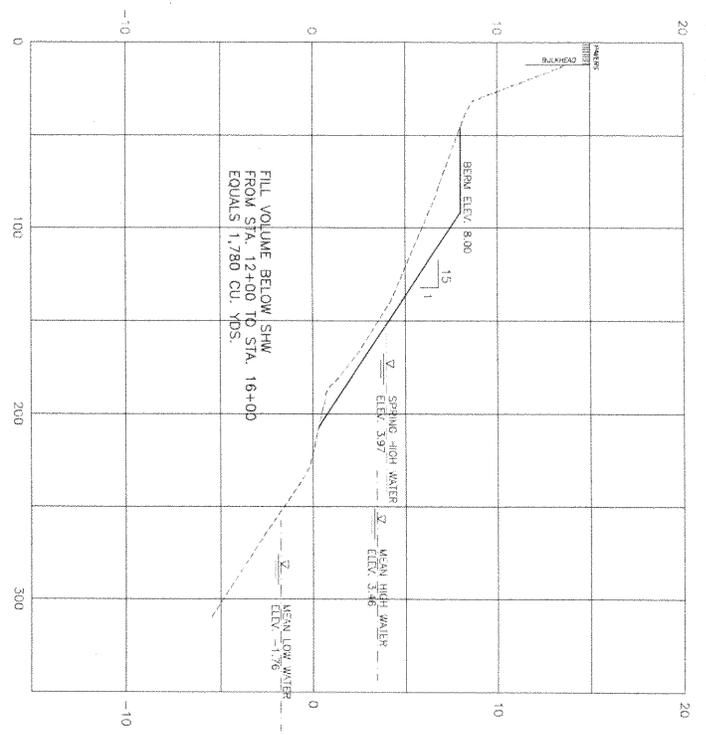
3 Paragon Way  
Freehold, New Jersey 07728

CITY OF PERTH AMBOY  
MIDDLESEX COUNTY, NEW JERSEY  
**WATERFRONT REPAIRS**  
AREA 5  
BEACH FILL - SECTIONS

**SHEET 5**

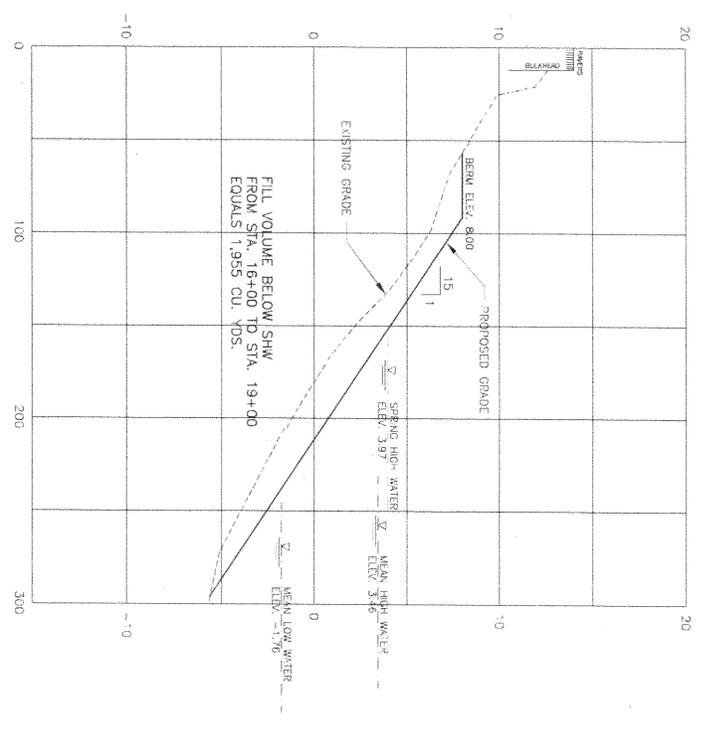
*REVISED 2012-00146-EST*

16+00



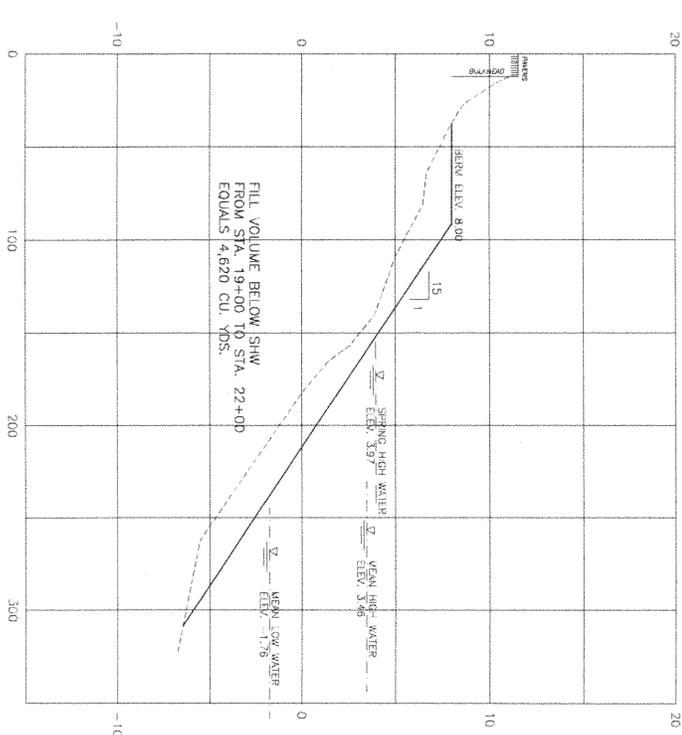
SECTIONS

18+00



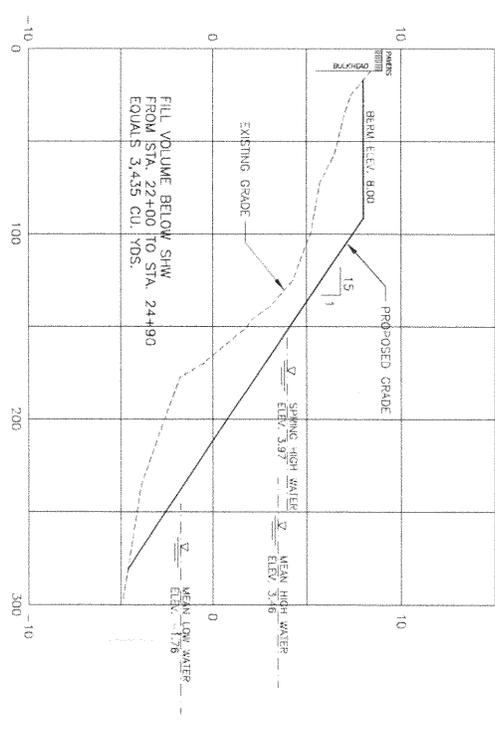
SECTIONS

20+00



SECTIONS

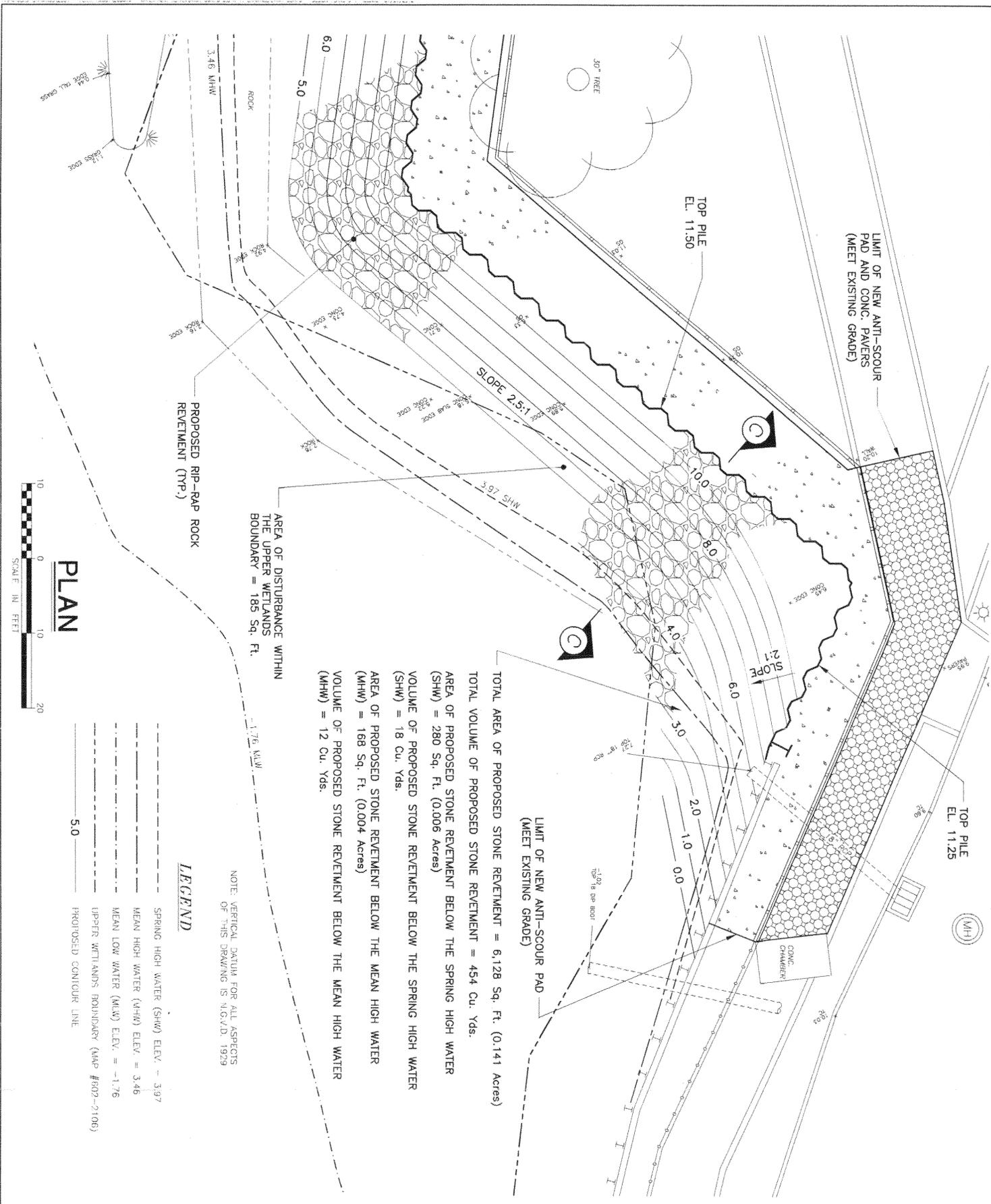
22+00



SECTIONS

CITY OF PERTH AMBOY MIDDLESEX COUNTY, NEW JERSEY <b>WATERFRONT REPAIRS</b> <b>AREA 5</b> <b>BEACH FILL - SECTIONS</b>		Hatch Mott MacDonald Certificate No. 24GA28016800 3 Paragon Way Freehold, New Jersey 07728	<b>ROBERT C. MAINBERGER</b> Professional Engineer - NJ Lic. No. 240EC4195600  Date 8/9/12	Designed: R.C.M. Drawn: D.E. Checked: R.C.V. Approved: [Signature] Site: [Blank]	Date: [Blank] Revision: [Blank]	<b>SHEET 6</b>
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ADD # 2012-00146 - F.S.T



TOTAL AREA OF PROPOSED STONE REVETMENT = 6,128 Sq. Ft. (0.141 Acres)  
 TOTAL VOLUME OF PROPOSED STONE REVETMENT = 454 Cu. Yds.  
 AREA OF PROPOSED STONE REVETMENT BELOW THE SPRING HIGH WATER (SHW) = 280 Sq. Ft. (0.006 Acres)  
 VOLUME OF PROPOSED STONE REVETMENT BELOW THE SPRING HIGH WATER (SHW) = 18 Cu. Yds.  
 AREA OF PROPOSED STONE REVETMENT BELOW THE MEAN HIGH WATER (MHW) = 168 Sq. Ft. (0.004 Acres)  
 VOLUME OF PROPOSED STONE REVETMENT BELOW THE MEAN HIGH WATER (MHW) = 12 Cu. Yds.

PROPOSED RIP-RAP ROCK REVETMENT (TYP.)

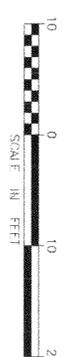
AREA OF DISTURBANCE WITHIN THE UPPER WETLANDS BOUNDARY = 185 Sq. Ft.

**LEGEND**

- SPRING HIGH WATER (SHW) ELEV. = 3.97
- MEAN HIGH WATER (MHW) ELEV. = 3.46
- MEAN LOW WATER (MLW) ELEV. = -1.76
- UPPER WETLANDS BOUNDARY (MAP #602-2106)
- PROPOSED CONTOUR LINE

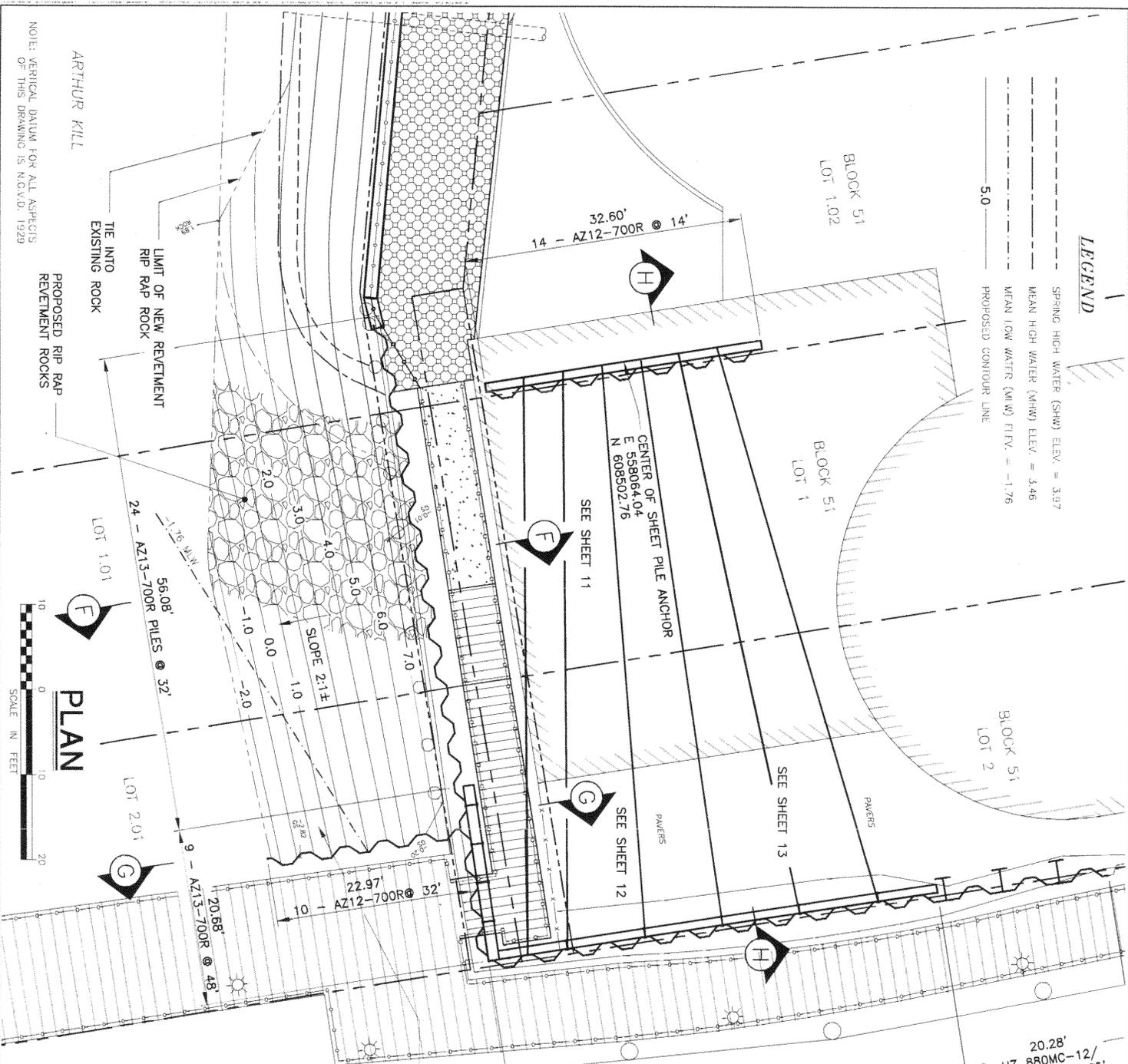
NOTE: VERTICAL DATUM FOR ALL ASPECTS OF THIS DRAWING IS N.G.V.D. 1929

**PLAN**



CITY OF PERTH AMBOY MIDDLESEX COUNTY, NEW JERSEY <b>WATERFRONT REPAIRS</b> <b>AREA 4</b> SOUTHERN BULKHEAD AND SHORELINE STABILIZATION PLAN	<b>Hatch Mott MacDonald</b> Certificate No. 246A28218600 3 Paragon Way Freehold, New Jersey 07728	<b>ROBERT C. MAINBERGER</b> Professional Engineer - NJ Lic. No. 246024195900 <i>Robert Mainberger</i> Date 6/8/12	<b>SHEET 7</b>							
		<table border="1"> <thead> <tr> <th>Design</th> <th>Drawn</th> <th>Checked</th> <th>Approved</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>JCA/RCM</td> <td>CE/KD</td> <td>R.C.M.</td> <td></td> <td></td> </tr> </tbody> </table>		Design	Drawn	Checked	Approved	Date	JCA/RCM	CE/KD
Design	Drawn	Checked	Approved	Date						
JCA/RCM	CE/KD	R.C.M.								

*Am # 2012-00146-EST*



NOTE: VERTICAL DATUM FOR ALL ASPECTS OF THIS DRAWING IS N.C.V.D. 1929

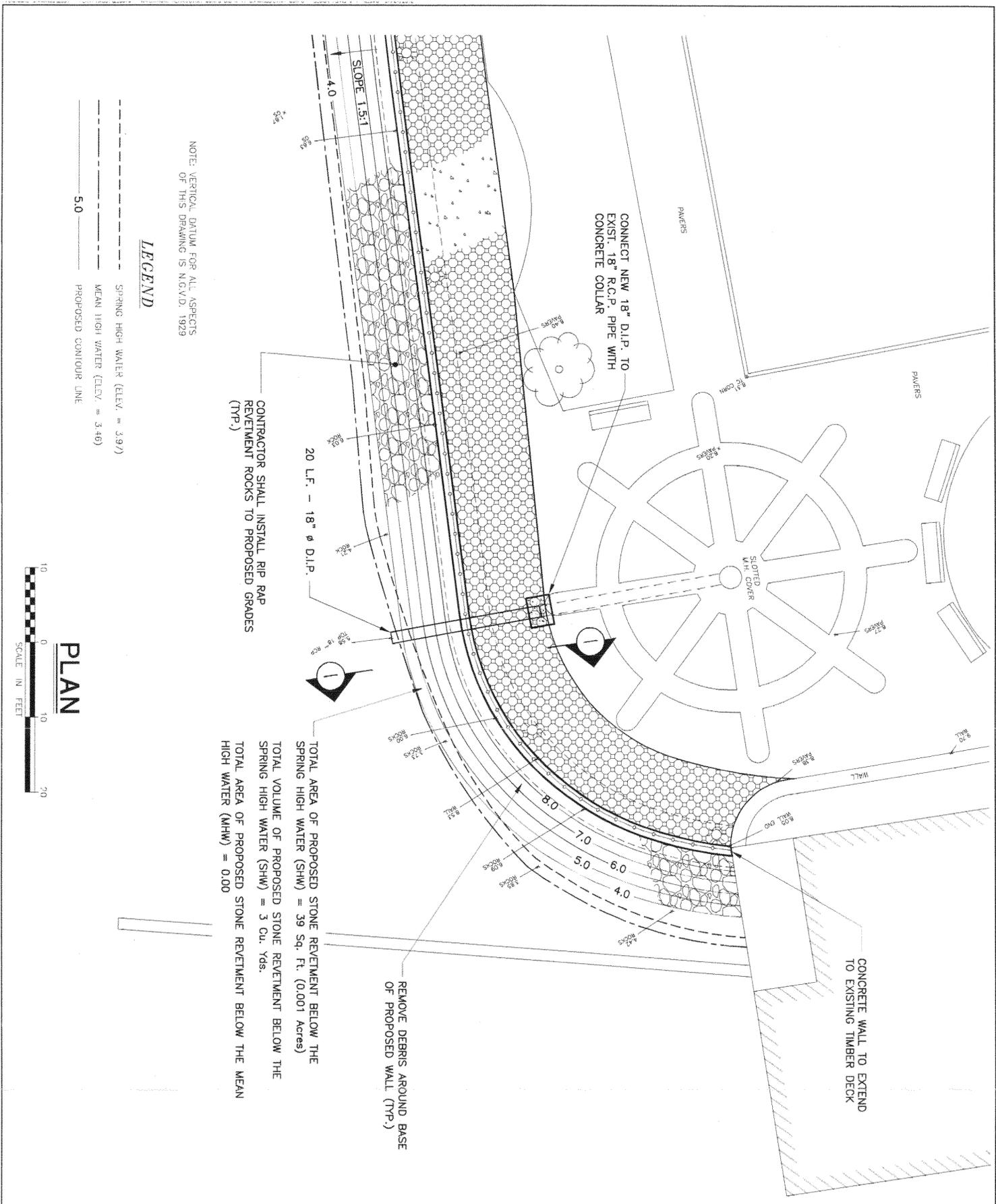
**LEGEND**  
 - - - - - SPRING HIGH WATER (SHW) ELEV. = 3.97  
 - - - - - MEAN HIGH WATER (MHW) ELEV. = 3.46  
 - - - - - MEAN LOW WATER (MLW) ELEV. = -1.76  
 - - - - - PROPOSED CONTOUR LINE

**PLAN**  
 SCALE IN FEET  
 0 10 20

TOTAL AREA OF PROPOSED STONE REVELMENT = 1,825 Sq. Ft. (0.042 Acres)  
 TOTAL VOLUME OF PROPOSED STONE REVELMENT = 242 Cu. Yds.  
 AREA OF PROPOSED STONE REVELMENT BELOW THE SPRING HIGH WATER (SHW) = 1,620 Sq. Ft. (0.037 Acres)  
 VOLUME OF PROPOSED STONE REVELMENT BELOW THE SPRING HIGH WATER (SHW) = 210 Cu. Yds.  
 AREA OF PROPOSED STONE REVELMENT BELOW THE MEAN HIGH WATER (MHW) = 1,530 Sq. Ft. (0.035 Acres)  
 VOLUME OF PROPOSED STONE REVELMENT BELOW THE MEAN HIGH WATER (MHW) = 202 Cu. Yds.  
 AREA OF PROPOSED STONE REVELMENT BELOW THE MEAN LOW WATER (MLW) = 188 Sq. Ft. (0.004 Acres)  
 VOLUME OF PROPOSED STONE REVELMENT BELOW THE MEAN LOW WATER (MLW) = 14 Cu. Yds.

CITY OF PERTH AMBOY MIDDLESEX COUNTY, NEW JERSEY <b>WATERFRONT REPAIRS</b> AREA 2 ARMORY BUILDING BULKHEAD REPAIR AND SHORELINE STABILIZATION PLAN	 Cert. No. 24CA28D15600 3 Paragon Way Freshfield, New Jersey 07728	<b>ROBERT C. MAINBERGER</b> Professional Engineer - NJ Lic. No. 24CED4195900 <i>Robert Mainberger</i> Date 5/8/12	<b>SHEET 8</b>
		Checked: JGV/RCM Draw: DE/KO Check: R.C.M. Approved: _____ Date: _____ Revision: _____	

*Amby # 2012-00146-ESD*



NOTE: VERTICAL DATUM FOR ALL ASPECTS OF THIS DRAWING IS N.G.V.D. 1929

**LEGEND**

- SPRING HIGH WATER (ELEV. = 3.97)
- MEAN HIGH WATER (ELEV. = 3.46)
- 5.0 PROPOSED CONTOUR LINE

**PLAN**



CONTRACTOR SHALL INSTALL RIP RAP REVENMENT ROCKS TO PROPOSED GRADES (TYP.)

TOTAL AREA OF PROPOSED STONE REVENMENT BELOW THE SPRING HIGH WATER (SHW) = 39 Sq. Ft. (0.001 Acres)  
 TOTAL VOLUME OF PROPOSED STONE REVENMENT BELOW THE SPRING HIGH WATER (SHW) = 3 Cu. Yds.  
 TOTAL AREA OF PROPOSED STONE REVENMENT BELOW THE MEAN HIGH WATER (MHW) = 0.00

REMOVE DEBRIS AROUND BASE OF PROPOSED WALL (TYP.)

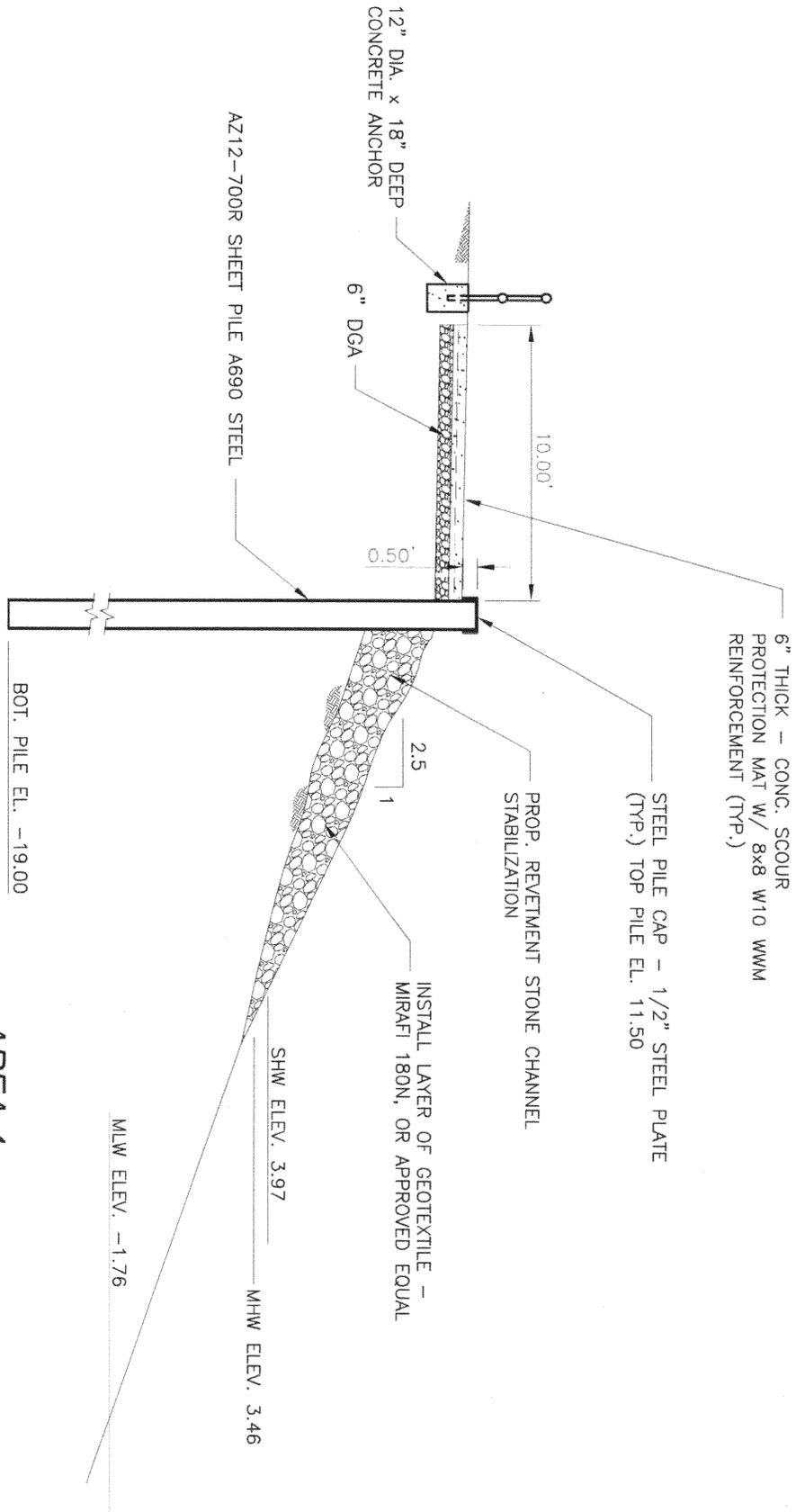
CONCRETE WALL TO EXTEND TO EXISTING TIMBER DECK

CONNECT NEW 18" D.I.P. TO EXIST. 18" R.C.P. PIPE WITH CONCRETE COLLAR

CITY OF PERTH AMBOY MIDDLESEX COUNTY, NEW JERSEY <b>WATERFRONT REPAIRS</b> AREA 1 FERRY BUILDING AREA BULKHEAD CONSTRUCTION AND SHORELINE STABILIZATION PLAN	<b>Hatch Mott MacDonald</b> Certificate No. 240A28916600 3 Paragon Way Freehold, New Jersey 07728	<b>ROBERT C. MAINBERGER</b> Professional Engineer - NJ Lic. No. 240E04195900 <i>Robert Mainberger</i> Date 6/8/12		
		Designer: JCA/RCM Drawn: DE/X/O Checked: R.G.M. Approved: _____ Date: _____	Date: _____ Revision: _____	

**SHEET 9**

*REV # 2012-00146-EGT*



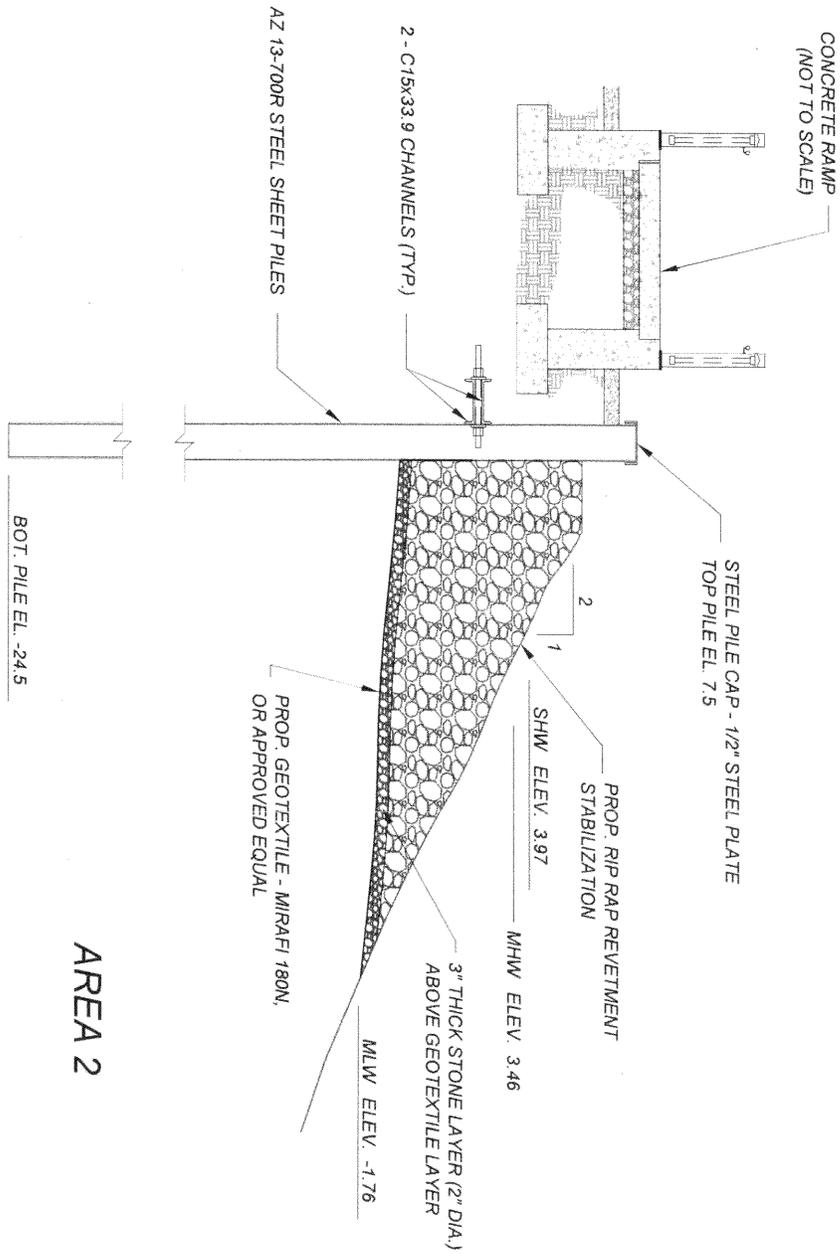
**SECTION C - C**

1" = 6'-0"

**AREA 4**

CITY OF PERTH AMBOY MIDDLESEX COUNTY, NEW JERSEY <b>WATERFRONT REPAIRS</b> <b>AREA 4</b> <b>CONSTRUCTION SECTIONS</b>	<b>Hatch Mott MacDonald</b> Certificate No. 24GA28018600 3 Paragon Way Freshfield, New Jersey 07728	<b>ROBERT C. MAINBERGER</b> Professional Engineer - NJ Lic. No. 240E04195900 <i>[Signature]</i> Date 6/8/12	<b>SHEET 10</b>							
		<table border="1"> <thead> <tr> <th>Design</th> <th>Drawn</th> <th>Checked</th> <th>Approved</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>JCA/RDM</td> <td>DE/KD</td> <td>R.G.M.</td> <td></td> <td></td> </tr> </tbody> </table>		Design	Drawn	Checked	Approved	Date	JCA/RDM	DE/KD
Design	Drawn	Checked	Approved	Date						
JCA/RDM	DE/KD	R.G.M.								

*Am 1/9 2012 - 00146 - EST*

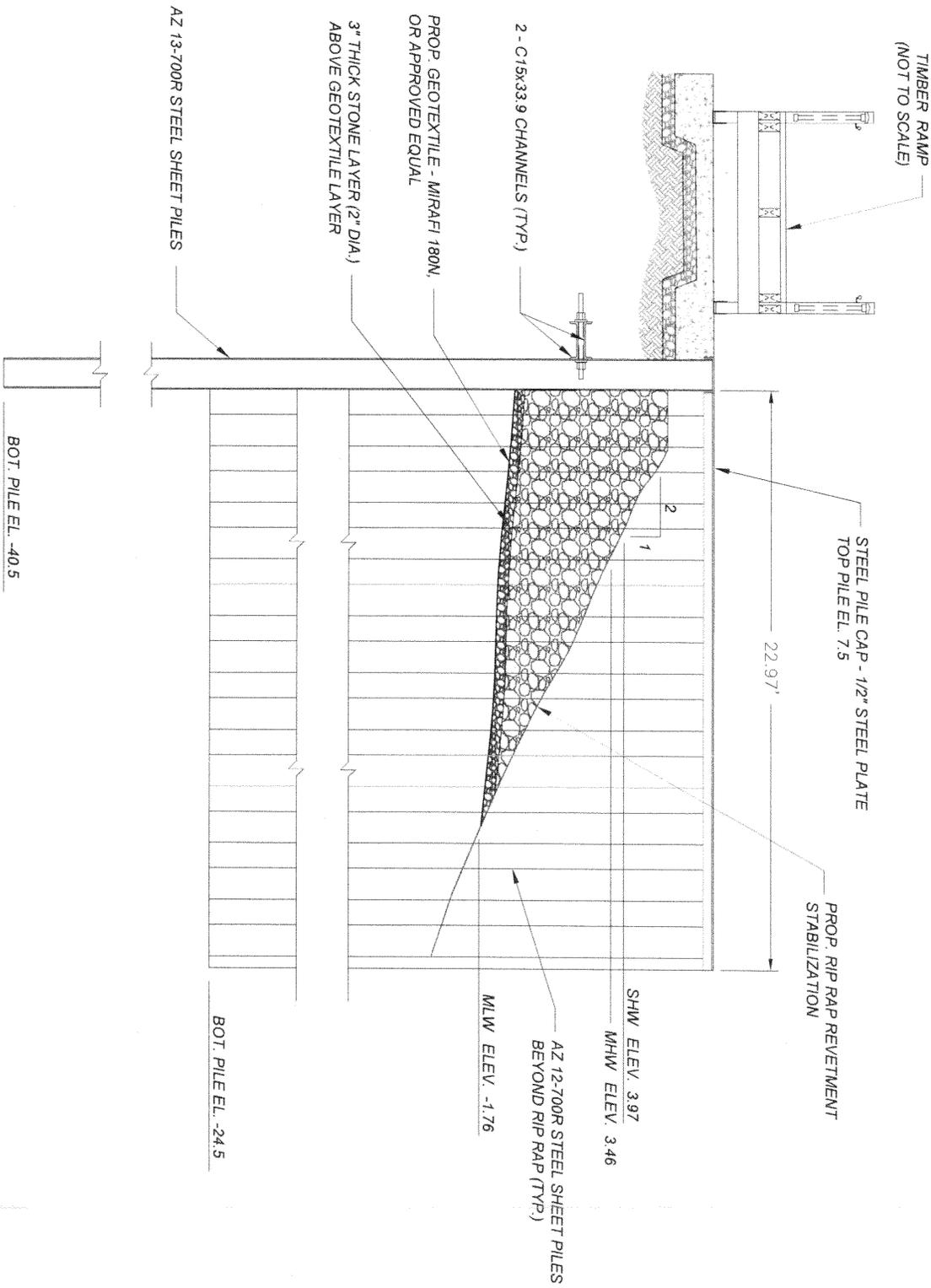


**SECTION F - F**  
 SCALE: 1" = 6'-0"

**AREA 2**

25/06/10 10/07/10 10/07/10	CITY OF PERTH AMBOY MIDDLESEX COUNTY, NEW JERSEY <b>WATERFRONT REPAIRS</b> <b>AREA 2</b> CONSTRUCTION SECTIONS	Hatch Mott MacDonald Certificate No. 24GA28018600	<b>ROBERT C. MAINBERGER</b> Professional Engineer - N.J. Lic. No. 24CE04135900 <i>Robert C. Mainberger</i> Date 5/8/12	<b>SHEET 11</b>
	3 Paragon Way Freehold, New Jersey 07728	Designer: JCA/RCM Checker: DE/KO Date:	Approved: R.C.M. Date:	Revision:

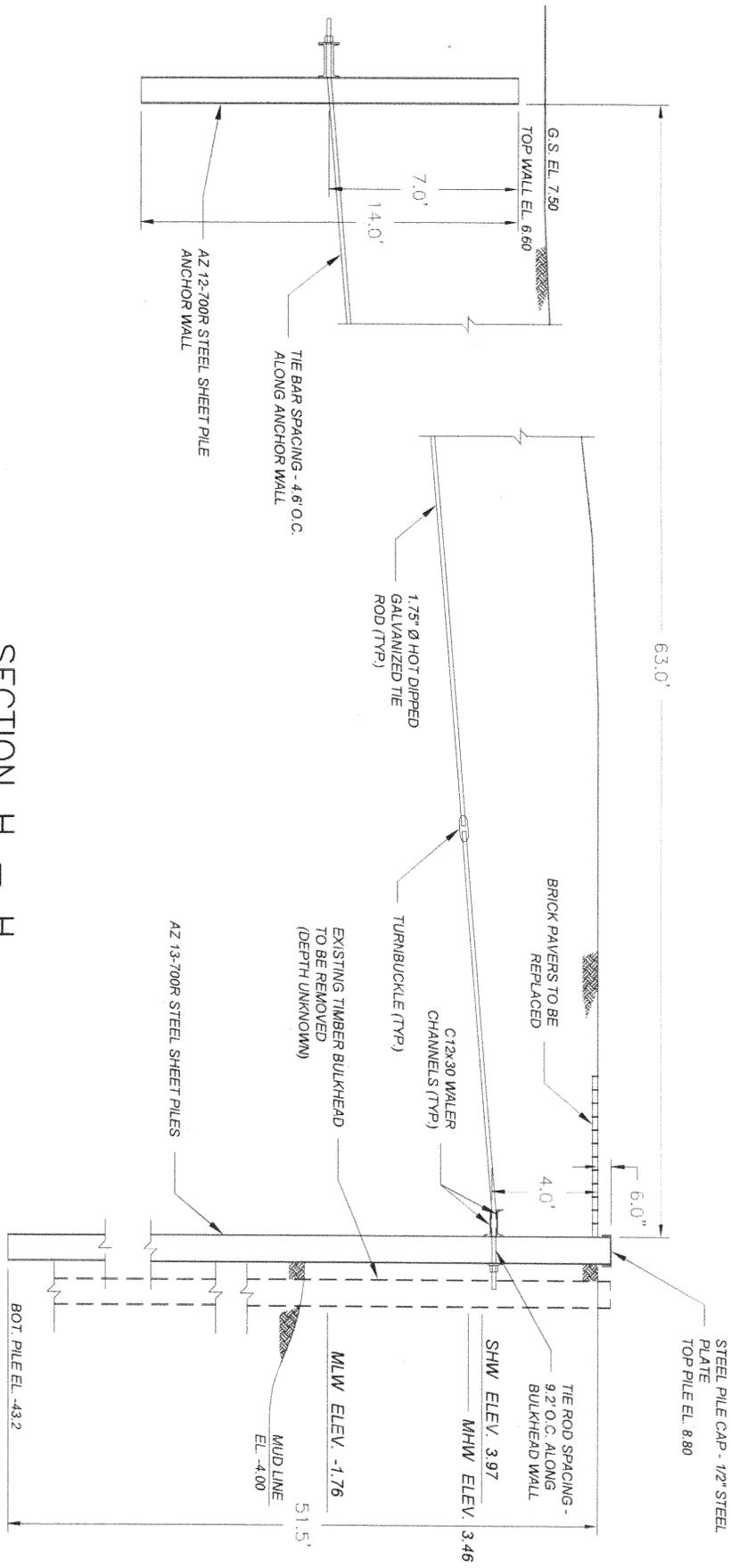
*ADD # 2012-00146-EST*



**SECTION G - G**  
 SCALE: 1" = 6'-0"

**AREA 2**

20/3/10 3/0 3/0 3/0	CITY OF PERTH AMBOY MIDDLESEX COUNTY, NEW JERSEY <b>WATERFRONT REPAIRS</b> <b>AREA 2</b> CONSTRUCTION SECTIONS	Cert/Route No. 240A28016600 3 Paragon Way Freehold, New Jersey 07728	<b>ROBERT C. MAINBERGER</b> Professional Engineer - NJ Lic. No. 240E04125900 <i>Robert Mainberger</i> Date 6/8/12	Design: CA/RCM Draw: DE/KO Check: R.C.M. Approved: _____ Date: _____ Revision: _____	<b>SHEET 12</b>
	2012-00146-EGT				

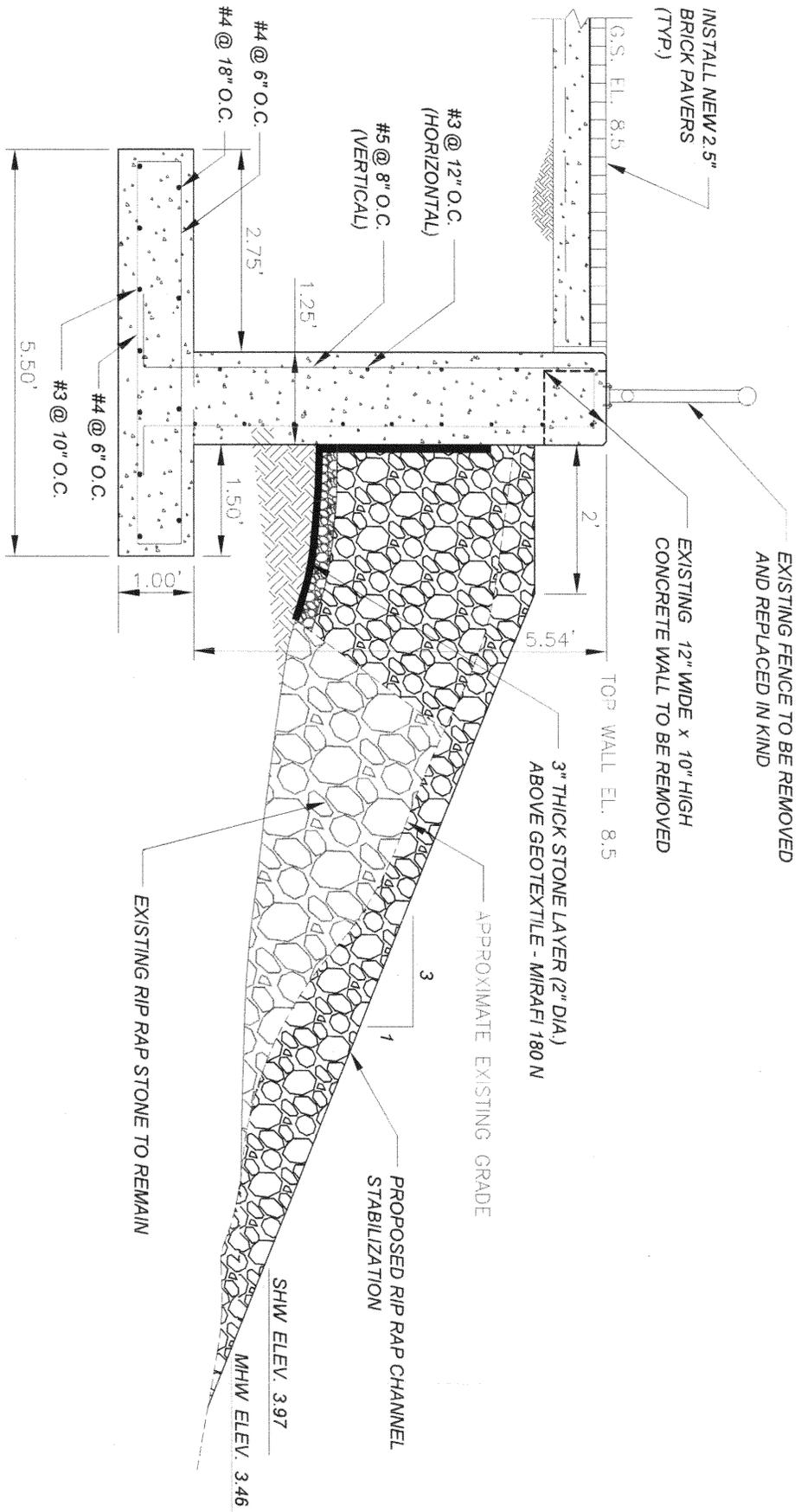


**SECTION H - H**  
 SCALE: 1" = 6'-0"

AREA 2

300 200 100 0 -100 -200 -300	CITY OF PERTH AMBOY MIDDLESEX COUNTY, NEW JERSEY <b>WATERFRONT REPAIRS</b> AREA 2 CONSTRUCTION SECTIONS		<b>ROBERT C. MAINBERGER</b> Professional Engineer - NJ Lic. No. 246E04135900 <i>Robert Mainberger</i> Date 9/8/12	SHEET 13
		Cert/Fcute No. 246A28315600 3 Paragon Way Freehold, New Jersey 07728	Designer JCA/RCM Drawn DE/KO Checked R.C.M. Approved _____ Date _____ Revision _____	

*April # 2012-00146-EST*



SECTION 1-1  
SCALE: 1" = 2'-0"

AREA 1

CITY OF PERTH AMBOY MIDDLESEX COUNTY, NEW JERSEY WATERFRONT REPAIRS AREA 1 CONSTRUCTION SECTIONS	Hatch Mott MacDonald Cert./Route No. 24GA28216600 3 Paragon Way Freehold, New Jersey 07728	ROBERT C. MAINBERGER Professional Engineer - NJ Lic. No. 240E04195900 <i>Robert Mainberger</i> Date 6/8/12	SHEET 14									
		<table border="1"> <tr> <th>Designed</th> <th>Drawn</th> <th>Checked</th> <th>Approved</th> <th>Date</th> <th>Revision</th> </tr> <tr> <td>JCA/RCM</td> <td>DE/KD</td> <td>R.C.M.</td> <td></td> <td></td> <td></td> </tr> </table>		Designed	Drawn	Checked	Approved	Date	Revision	JCA/RCM	DE/KD	R.C.M.
Designed	Drawn	Checked	Approved	Date	Revision							
JCA/RCM	DE/KD	R.C.M.										

*APP # 2012-00146-EST*