

**JOINT**  
**PUBLIC NOTICE**

**CHARLESTON DISTRICT, CORPS OF ENGINEERS**  
1949 Industrial Park Road, Room 140  
Conway, South Carolina 29526  
and the  
**S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL**  
**OFFICE OF OCEAN AND COASTAL RESOURCE MANAGEMENT**  
1362 McMillan Avenue, Suite 400  
Charleston, South Carolina 29405

REGULATORY DIVISION  
Refer to: P/N # 2011-00634-3B

27 August 2012

Pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403), Sections 401 and 404 of the Clean Water Act (33 U.S.C. 1344), and the South Carolina Coastal Zone Management Act (48-39-10 et.seq.) an application has been submitted to the Department of the Army and the S.C. Department of Health and Environmental Control by

**CITY OF NORTH MYRTLE BEACH**  
**C/O MIKE WOOTEN**  
**DDC ENGINEERS, INC.**  
**1298 PROFESSIONAL DRIVE**  
**MYRTLE BEACH, SOUTH CAROLINA 29577**

for a permit to construct an ocean outfall structure in the

**ATLANTIC OCEAN**

located at the end of Main Street in the City of North Myrtle Beach, Horry County, South Carolina (Latitude: 33.81789°N; Longitude: -78.67190°W).

In order to give all interested parties an opportunity to express their views

**NOTICE**

is hereby given that written statements regarding the proposed work will be received by the **Corps** until

**15 Days from the Date of this Notice**

and **SCDHEC** will receive written statements regarding the proposed work until

**30 Days from the Date of this Notice**

from those interested in the activity and whose interests may be affected by the proposed work.

The proposed work consists of constructing an ocean outfall structure for an existing stormwater collection system that currently outfalls through six (6) beachfront outfall pipes. In detail, the work consists of installing one (1) 84" pipe that extends approximately 1,200 linear feet into the Atlantic Ocean. The outfall structure will be installed by dredging a trench and temporarily sidecasting the material, installing a temporary coffer dam, installing the pipe, and placing the

dredged material back in the trench on top of the pipe. The temporary coffer dam will be used in the beach area and extend approximately 300-400 feet seaward through the surf zone. A temporary trestle structure will also be constructed to facilitate the cranes during the surf zone operations. Once construction activity has been completed in the surf zone the temporary coffer dam and trestle structures will be removed. The placement of the pipes seaward of the surf zone will involve open water trenching. The trench area will be approximately 44 feet wide by 1,200 feet long or 5,876 square yards. Cranes stationed on barges will be used to dredge the trench. The barges will be moved seaward by tug boats as each section of the project is completed. The dredged material will be sidecast into the Atlantic Ocean directly adjacent to the trench. No coffer dams or any other temporary structures will be utilized in this section of the operation. Once the trenches are backfilled, the applicant proposes to leave the excess dredged material in the ocean and allow littoral drift and wave action to disperse the material to re-establish original contours. 270 cubic yards of rip-rap will also be placed in the Atlantic Ocean at the end of the outfall pipe where the pipe emerges from the bottom and releases stormwater. A permanent marker buoy will be placed at the end of the pipe. The project purpose, as stated by the applicant, is to improve the existing stormwater management system resulting in improvements in the public health, safety, and welfare of the users of the beachfront and ocean area located within this specific stormwater drainage basin. The applicant proposes no mitigation due to the minimal amount of impacts to waters of the U.S. and their assertion that the impacts resulting from the installation of the ocean outfall will be temporary.

**NOTE: Plans depicting the work described in this notice are available and will be provided, upon receipt of a written request, to anyone that is interested in obtaining a copy of the plans for the specific project. The request must identify the project of interest by public notice number and a self-addressed stamped envelope must also be provided for mailing the drawings to you. Your request for drawings should be addressed to the**

**U.S. Army Corps of Engineers  
ATTN: REGULATORY DIVISION  
1949 Industrial Park Road, Room 140  
Conway, South Carolina 29526**

The District Engineer has concluded that the discharges associated with this project, both direct and indirect, should be reviewed by the South Carolina Department of Health and Environmental Control in accordance with provisions of Section 401 of the Clean Water Act. As such, this notice constitutes a request, on behalf of the applicant, for certification that this project will comply with applicable effluent limitations and water quality standards. The work shown on this application must also be certified as consistent with applicable provisions the Coastal Zone Management Program (15 CFR 930). The District Engineer will not process this application to a conclusion until such certifications are received. The applicant is hereby advised that supplemental information may be required by the State to facilitate the review.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. Implementation of the proposed project would impact approximately (1.0-2.0) acres of intertidal marine habitat. Our initial determination is that the proposed action would not have a substantial individual or cumulative adverse impact on EFH or fisheries managed by the South Atlantic Fishery Management Council and the National Marine Fisheries Service (NMFS). Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the NMFS.

Pursuant to Section 7(c) of the Endangered Species Act of 1973 (as amended), the District Engineer has consulted the most recently available information and has determined that

the project is not likely to adversely affect any Federally endangered, threatened, or proposed species or result in the destruction or adverse modification of designated or proposed critical habitat. This public notice serves as a request for written concurrence from the U.S. Fish and Wildlife Service and/or the National Marine Fisheries Service on this determination.

The District Engineer has consulted the most recently available information and has determined that the project will have no effect on any Federally endangered, threatened, or proposed species and will not result in the destruction or adverse modification of designated or proposed critical habitat. This public notice serves as a request to the U.S. Fish and Wildlife Service and the National Marine Fisheries Service for any additional information they may have on whether any listed or proposed endangered or threatened species or designated or proposed critical habitat may be present in the area which would be affected by the activity, pursuant to Section 7(c) of the Endangered Species Act of 1973 (as amended).

Pursuant to Section 106 of the National Historic Preservation Act (NHPA), this public notice also constitutes a request to Indian Tribes to notify the District Engineer of any historic properties of religious and cultural significance to them that may be affected by the proposed undertaking.

In accordance with the NHPA, the District Engineer has also consulted the latest published version of the National Register of Historic Places for the presence or absence of registered properties, or properties listed as being eligible for inclusion therein, and this worksite is not included as a registered property or property listed as being eligible for inclusion in the Register. To insure that other cultural resources that the District Engineer is not aware of are not overlooked, this public notice also serves as a request to the State Historic Preservation Office to provide any information it may have with regard to historic and cultural resources.

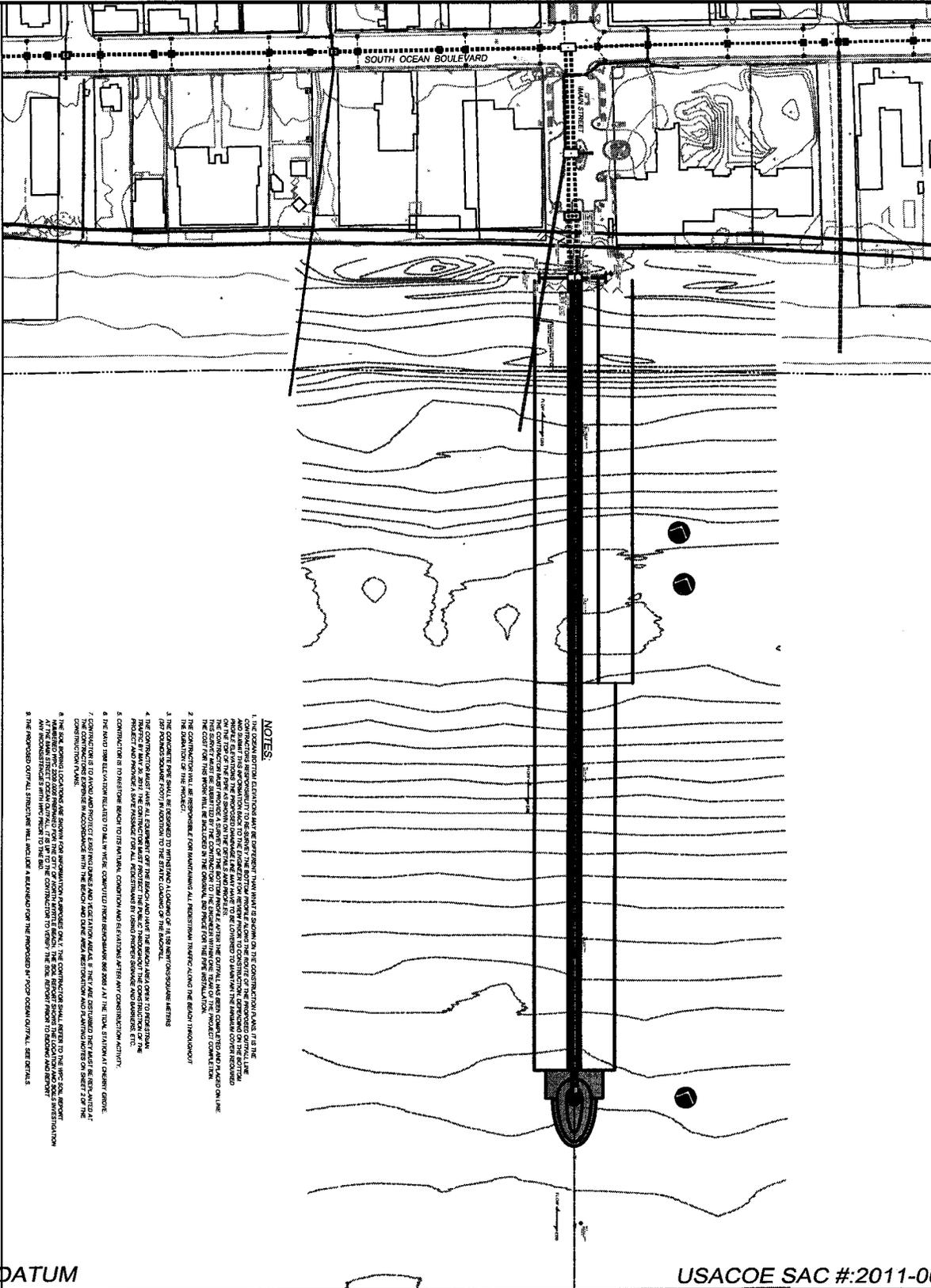
Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for a public hearing shall state, with particularity, the reasons for holding a public hearing.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the 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 project must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the project 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, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production and, in general, the needs and welfare of the people. A permit will be granted unless the District Engineer determines that it would be contrary to the public interest. In cases of conflicting property rights, the Corps of Engineers cannot undertake to adjudicate rival claims.

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 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 project. 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 the 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 activity.

If there are any questions concerning this public notice, please contact Wiley Bracey at 843-365-1707.



- NOTES:**
1. THE EXISTING BOTTOM ELEVATIONS MAY BE DEPRESSIONS THAT ARE SHOWN ON THE CONSTRUCTION PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE BOTTOM PROFILE ALONG THE ROUTE OF THE PROPOSED OUTFALL LINE. THE CONTRACTOR SHALL MAINTAIN THE PROPOSED CHANNEL LINE AND SHALL BE RESPONSIBLE FOR MAINTAINING THE CHANNEL COVER RIGIDLY IN PLACE. A SAFE PASSAGE FOR ALL VESSELS BY USING PROPER SIGNALS AND BARRIERS, ETC.
  2. THE CONTRACTOR SHALL MAINTAIN THE PROPOSED CHANNEL LINE AND SHALL BE RESPONSIBLE FOR MAINTAINING THE CHANNEL COVER RIGIDLY IN PLACE. A SAFE PASSAGE FOR ALL VESSELS BY USING PROPER SIGNALS AND BARRIERS, ETC.
  3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL NECESSARY TRAFFIC ALONG THE ROAD THROUGHOUT THE DURATION OF THE PROJECT.
  4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL NECESSARY TRAFFIC ALONG THE ROAD THROUGHOUT THE DURATION OF THE PROJECT.
  5. CONTRACTOR IS TO MAINTAIN BEACH TO ITS ORIGINAL CONDITION AND ELEVATION AFTER ANY CONSTRUCTION ACTIVITY.
  6. THE SAND TRAP ELEVATION RELATED TO ALL WORK COMPLETED FROM REVISIONS ARE SHOWN AT THE TIDAL STATION 1 CHECK POINT.
  7. CONTRACTOR IS TO MAINTAIN AND PROTECT EXISTING UTILITIES AND RESTRICTIONS AS SHOWN ON SHEET 2 OF THE CONSTRUCTION PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL NECESSARY TRAFFIC ALONG THE ROAD THROUGHOUT THE DURATION OF THE PROJECT.
  8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL NECESSARY TRAFFIC ALONG THE ROAD THROUGHOUT THE DURATION OF THE PROJECT.
  9. THE PROPOSED OUTFALL STRUCTURE WILL INCLUDE A RETENTION FOR THE PROPOSED 4' HIGH OCEAN OUTFALL. SEE DETAILS.

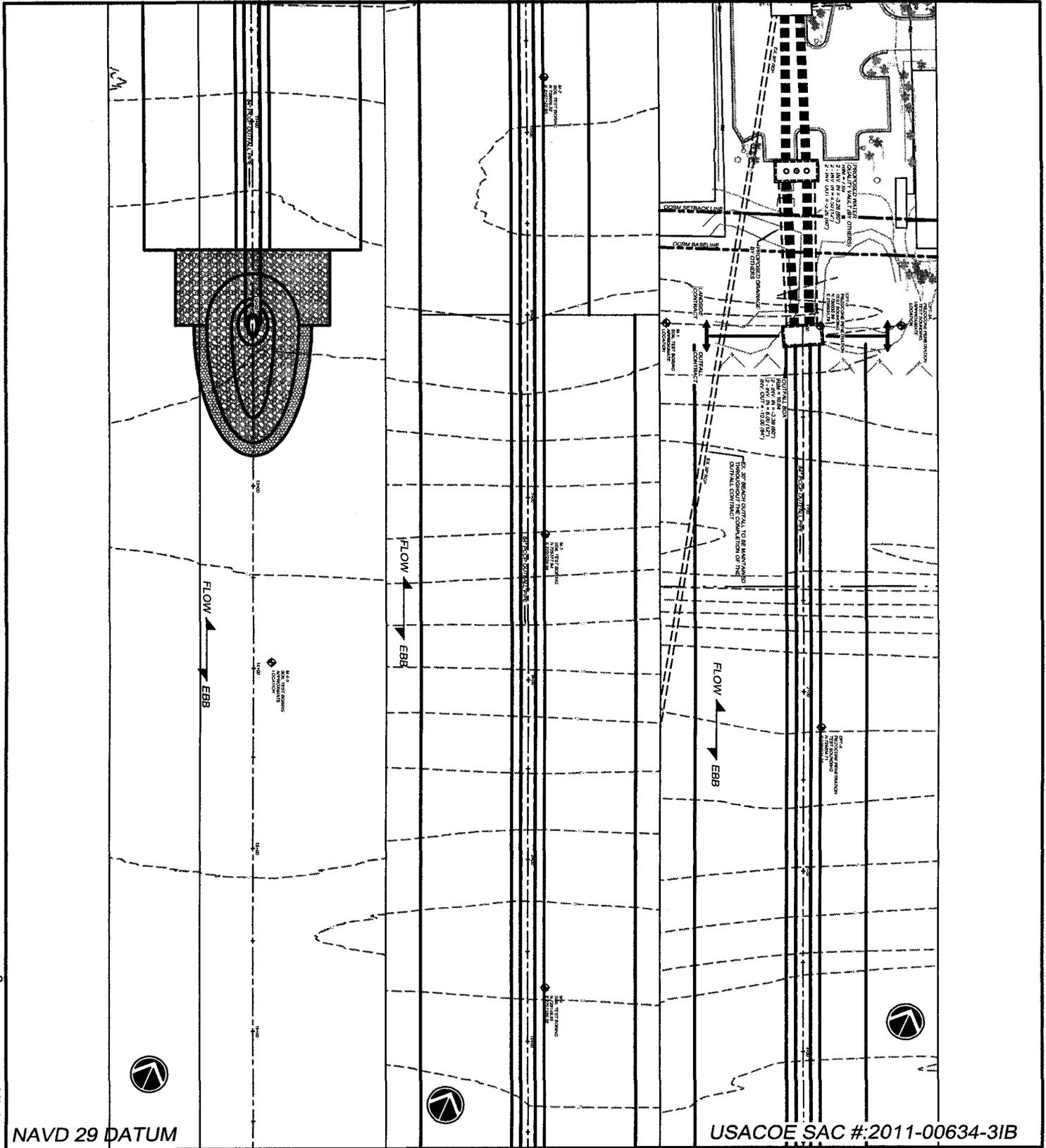
NAVD 29 DATUM

USACOE SAC #:2011-00634-31B

<p><b>MAIN STREET OCEAN OUTFALL</b></p> <p>SAC# 2011-00634-3B</p>		<p><b>OCEAN OUTFALL OVERALL PLAN</b></p>		<p>PURPOSE: STORM WATER QUALITY IMPROVEMENTS COUNTY: HORRY STATE: SOUTH CAROLINA</p>	
<p>SHEET 1 OF 12</p>		<p>DDC PN: 09.09253E</p>	<p>SCALE: NONE</p>	 <p>Consulting Engineers, Surveyors, Planners, Landscape Architects &amp; Environmentalists 1298 Professional Dr., Myrtle Beach, SC 29577 Phone: (843) 692-3200 Fax: (843) 692-3210</p>	
<p>ORIGINAL DATE: 3/09/12 REVISED DATE:</p>		<p>APPLICANT: CITY OF NORTH MYRTLE BEACH</p>			

DWG. NAME: J:\PLANS\09\09253E\09253 PERMIT.dwg

DWG. NAME: J:\PLANS\09\09253E\09253 PERMIT.dwg



**MAIN STREET  
OCEAN OUTFALL**  
SAC# 2011-00634-3B

SHEET 2 OF 12

ORIGINAL DATE: 3/09/12  
REVISED DATE:

**OCEAN OUTFALL PLAN VIEWS**

DDC PN: 09.09253E      SCALE: NONE

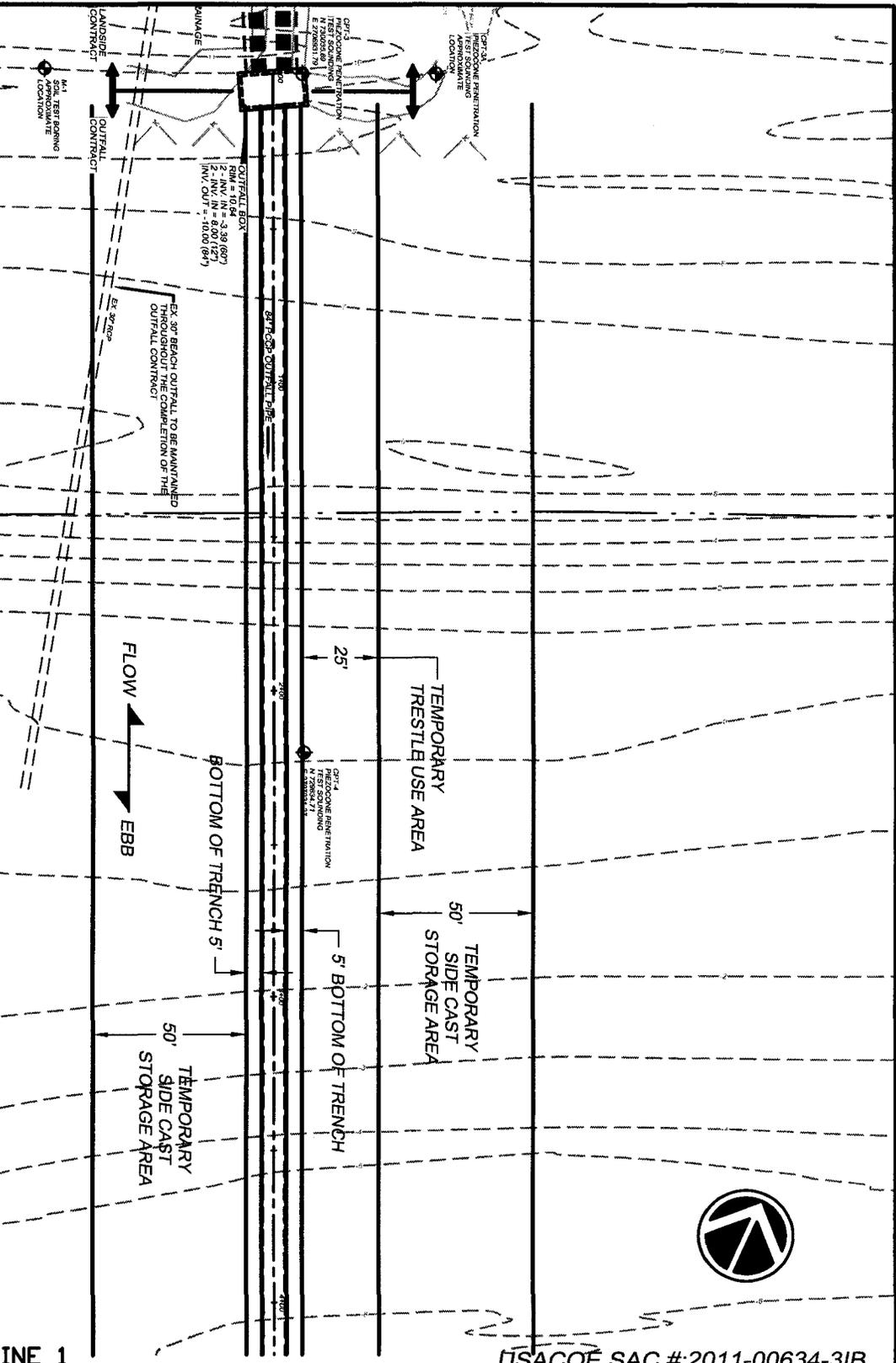
APPLICANT: CITY OF NORTH MYRTLE BEACH

PURPOSE: STORM WATER QUALITY IMPROVEMENTS  
COUNTY: HORRY  
STATE: SOUTH CAROLINA

**DDC**

Consulting Engineers, Surveyors, Planners,  
Landscape Architects & Environmentalists  
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NOTE:  
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DETAIL.



NAVD 29 DATUM MATCHLINE 1

USACOE SAC #:2011-00634-31B

**MAIN STREET  
OCEAN OUTFALL**

**SIDE CAST AREA  
OCEAN OUTFALL PLAN #1**

PURPOSE: STORM WATER  
QUALITY IMPROVEMENTS  
COUNTY: HORRY  
STATE: SOUTH CAROLINA

SAC# 2011-00634-3B

SHEET 3 OF 12

DDC PN: 09.09253E

SCALE: 1" = 50'

ORIGINAL DATE: 3/09/12  
REVISED DATE:

APPLICANT: CITY OF NORTH  
MYRTLE BEACH

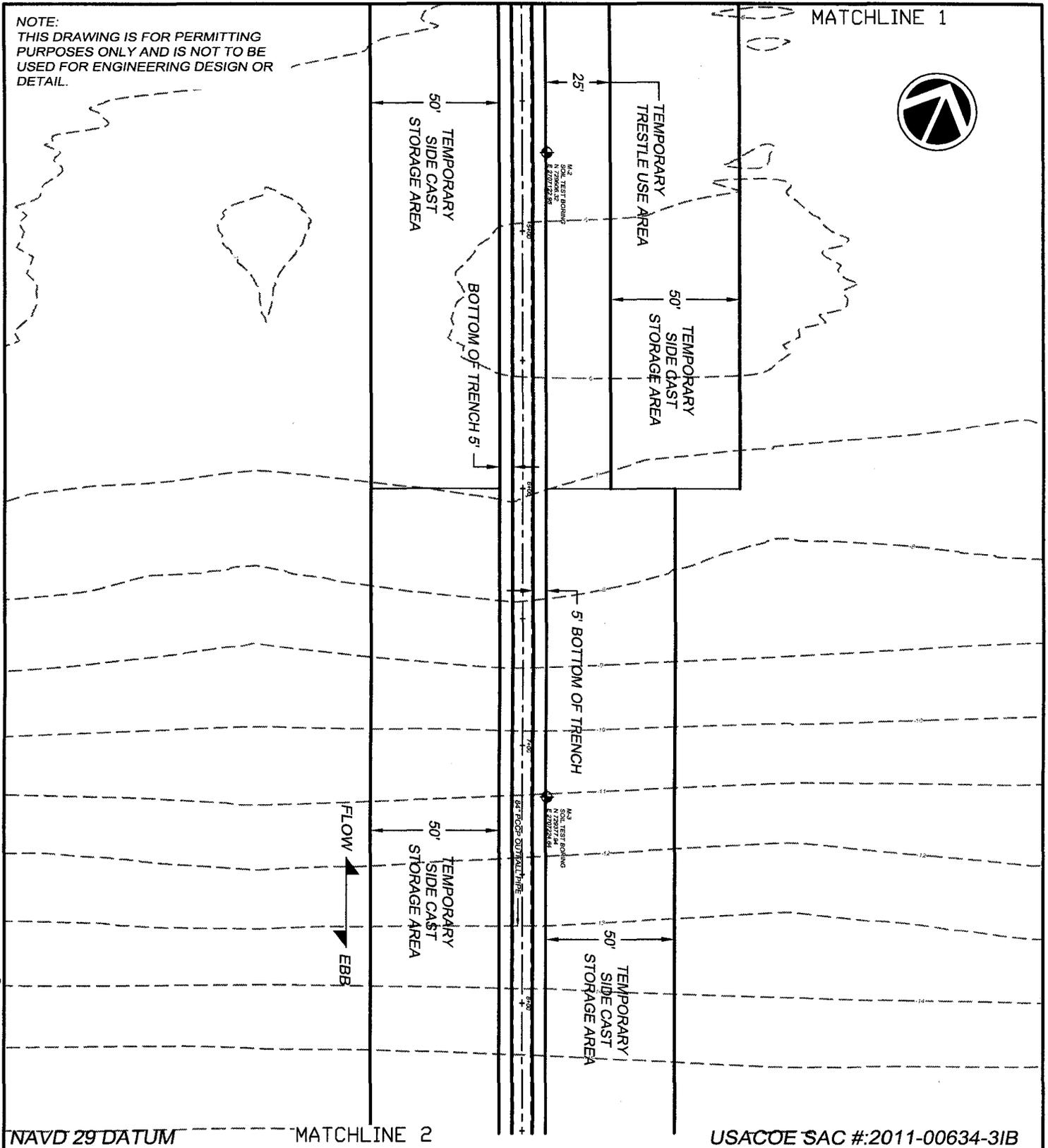


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MATCHLINE 1



NAVD 29 DATUM

MATCHLINE 2

USACOE SAC #:2011-00634-31B

**MAIN STREET  
OCEAN OUTFALL**

SAC# 2011-00634-3B

**SIDE CAST AREA  
OCEAN OUTFALL PLAN #2**

PURPOSE: STORM WATER  
QUALITY IMPROVEMENTS

COUNTY: HORRY

STATE: SOUTH CAROLINA

SHEET 4 OF 12

DDC PN: 09.09253E

SCALE: 1" = 50'

ORIGINAL DATE: 3/09/12  
REVISED DATE:

APPLICANT: CITY OF NORTH  
MYRTLE BEACH



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MATCHLINE 2

50'  
TEMPORARY  
SIDE CAST  
STORAGE AREA

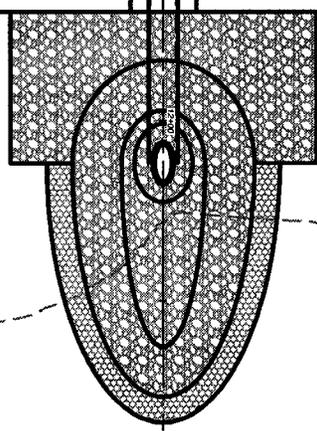
50'  
TEMPORARY  
SIDE CAST  
STORAGE AREA

BOTTOM OF TRENCH 5'

5' BOTTOM OF TRENCH

MAN TEST BORING  
ELEVATION 8

34' FOOT OUTFALL PIPE



NAVD 29 DATUM

USACOE SAC #:2011-00634-31B

MAIN STREET  
OCEAN OUTFALL

SIDE CAST AREA  
OCEAN OUTFALL PLAN #3

PURPOSE: STORM WATER  
QUALITY IMPROVEMENTS  
COUNTY: HORRY  
STATE: SOUTH CAROLINA

SAC# 2011-00634-3B

SHEET 5 OF 12

DDC PN: 09.09253E

SCALE: 1" = 50'

ORIGINAL DATE: 3/09/12  
REVISED DATE:

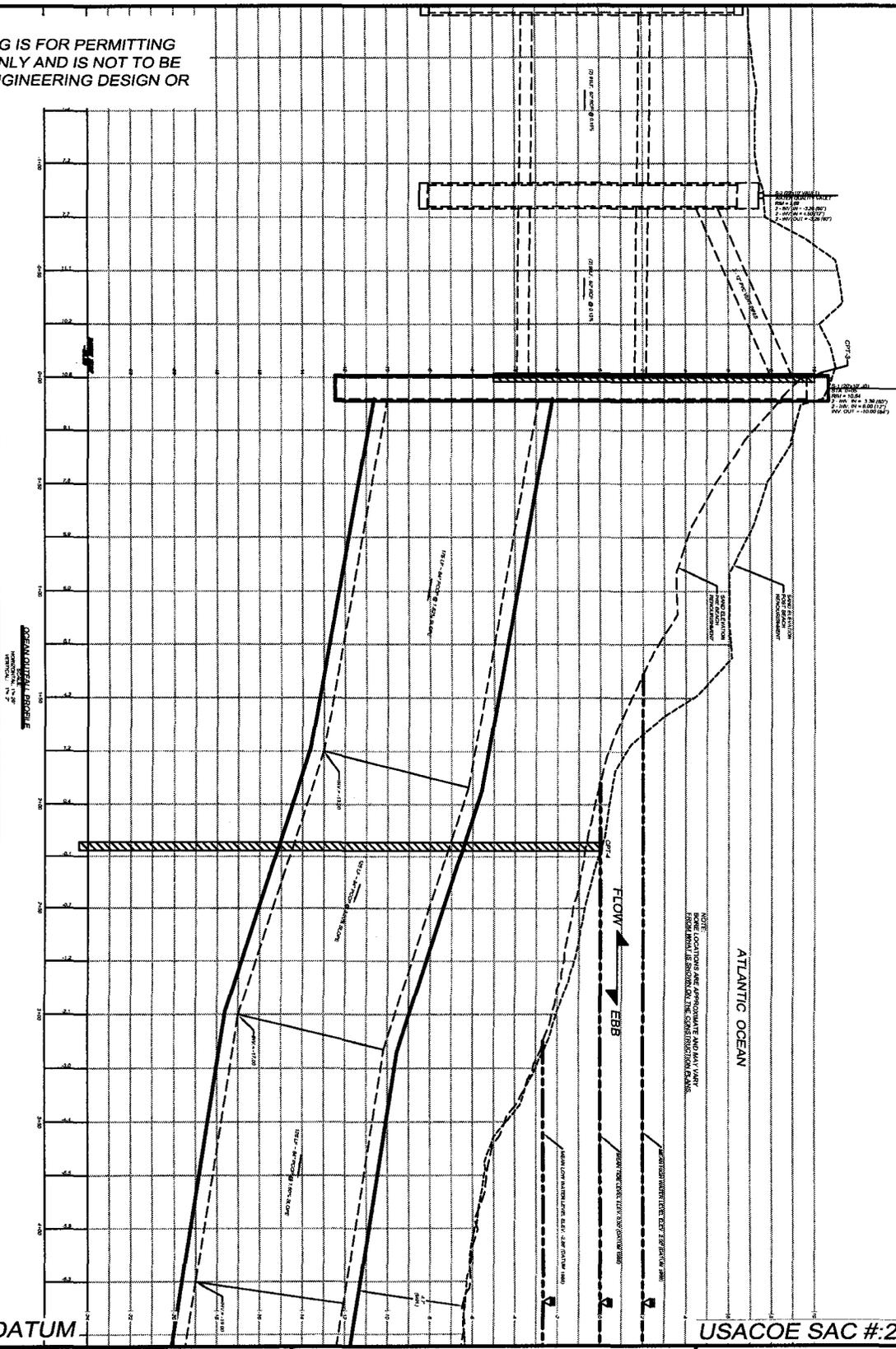
APPLICANT: CITY OF NORTH  
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NAVD 29 DATUM

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**MAIN STREET  
OCEAN OUTFALL**

**OCEAN OUTFALL PROFILE**

PURPOSE: STORM WATER  
QUALITY IMPROVEMENTS  
COUNTY: HORRY  
STATE: SOUTH CAROLINA

SAC# 2011-00634-3B

SHEET 6 OF 12

DDC PN: 09.09253E

SCALE: NONE

ORIGINAL DATE: 3/09/12  
REVISED DATE:

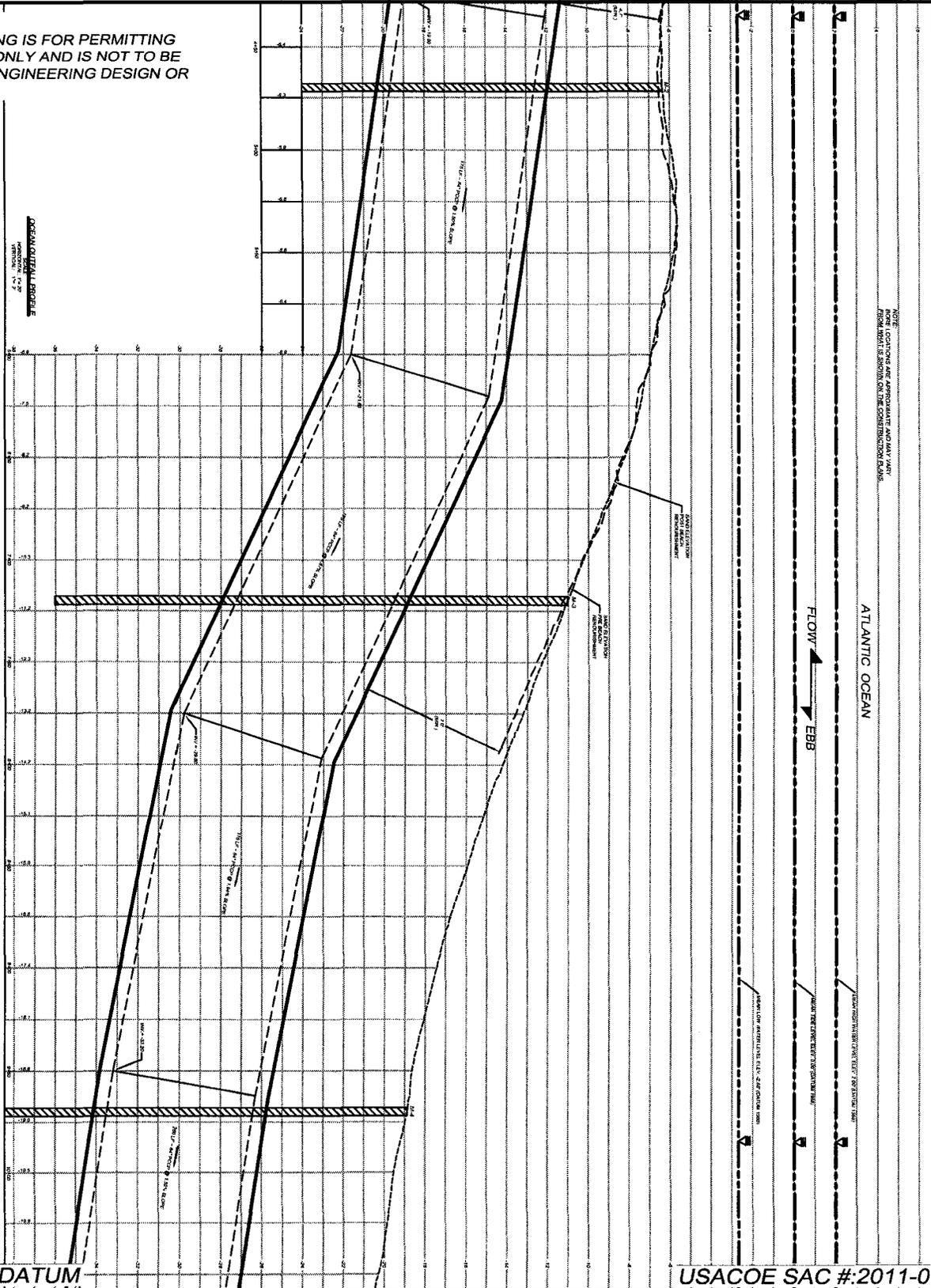
APPLICANT: CITY OF NORTH  
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NAVD 29 DATUM

USACOE SAC #:2011-00634-31B

**MAIN STREET  
OCEAN OUTFALL**

**OCEAN OUTFALL PROFILE**

PURPOSE: STORM WATER  
QUALITY IMPROVEMENTS  
COUNTY: HORRY  
STATE: SOUTH CAROLINA

SAC# 2011-00634-3B

SHEET 7 OF 12

DDC PN: 09.09253E

SCALE: NONE

ORIGINAL DATE: 3/09/12  
REVISED DATE:

APPLICANT: CITY OF NORTH  
MYRTLE BEACH

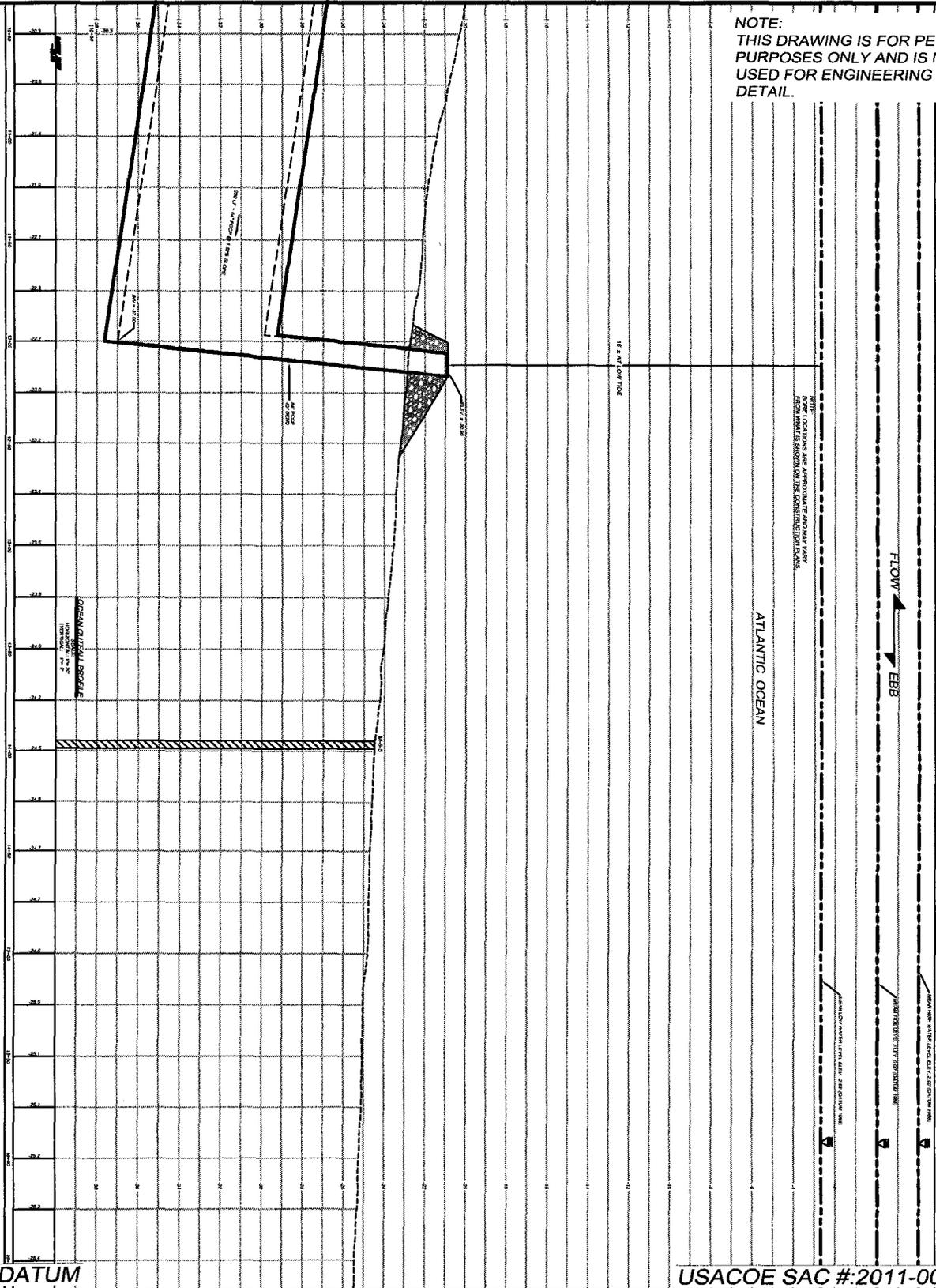


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**MAIN STREET  
OCEAN OUTFALL**

**OCEAN OUTFALL PROFILE**

PURPOSE: STORM WATER  
QUALITY IMPROVEMENTS  
COUNTY: HORRY  
STATE: SOUTH CAROLINA

SAC# 2011-00634-3B

SHEET 8 OF 12

DDC PN: 09.09253E

SCALE: NONE

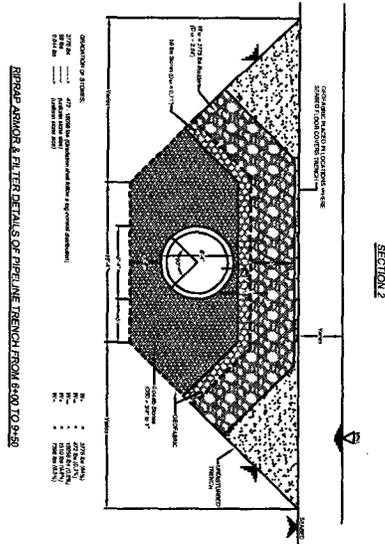
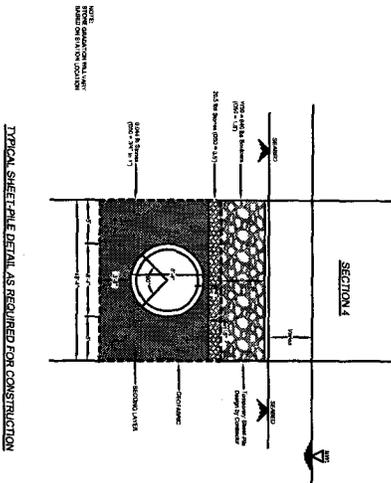
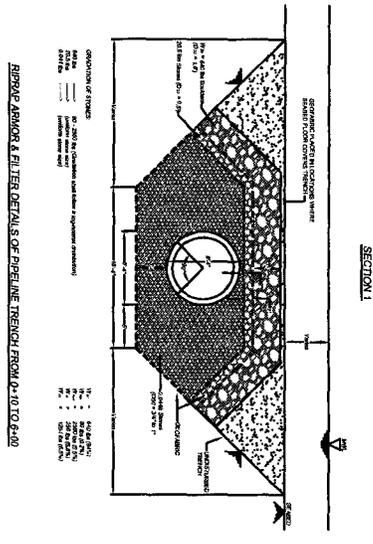
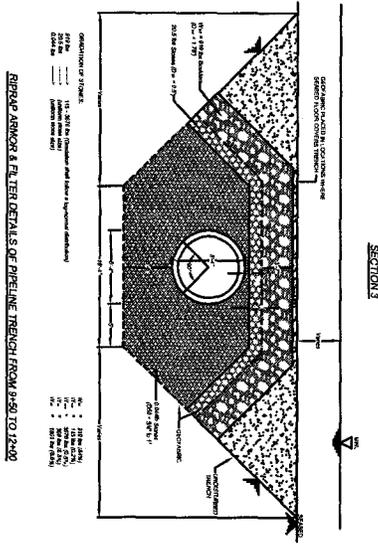
ORIGINAL DATE: 3/09/12  
REVISED DATE:

APPLICANT: CITY OF NORTH  
MYRTLE BEACH



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NAVD 29 DATUM

USACOE SAC #:2011-00634-31B

MAIN STREET  
OCEAN OUTFALL

OCEAN OUTFALL DETAILS

PURPOSE: STORM WATER  
QUALITY IMPROVEMENTS  
COUNTY: HORRY  
STATE: SOUTH CAROLINA

SAC# 2011-00634-3B

SHEET 9 OF 12

DDC PN: 09.09253E

SCALE: NONE

ORIGINAL DATE: 3/09/12  
REVISED DATE:

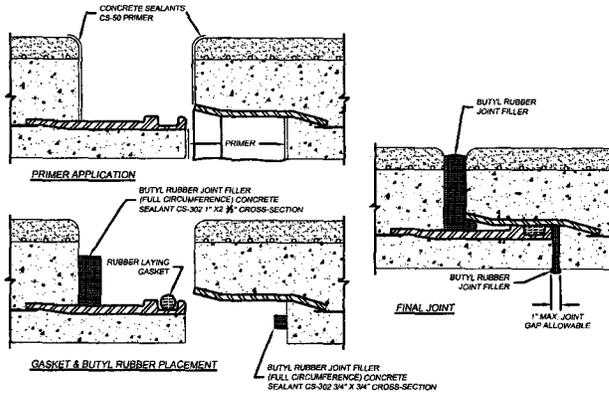
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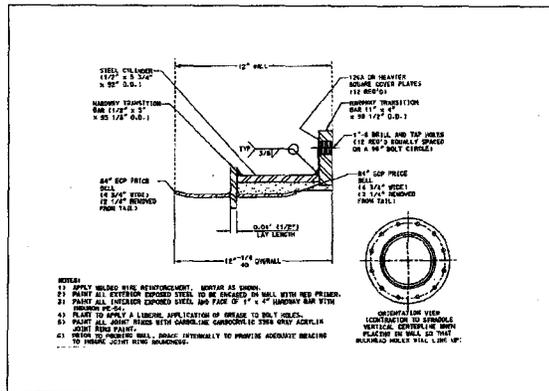
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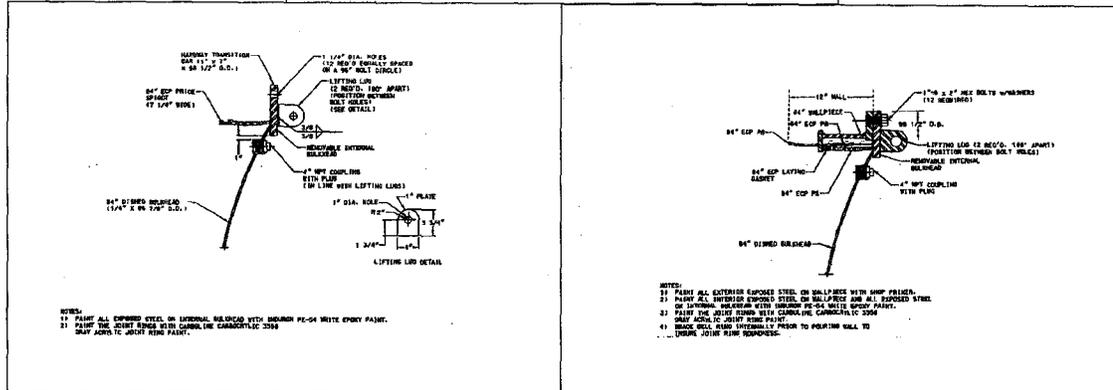
- PROCEDURE:**
1. REMOVE DIRT, DUST, SALT RESIDUE, ETC. FROM CORE FACES. WASH WITH CLEAN WATER IF NECESSARY. ALLOW SURFACES TO DRY.
  2. APPLY PRIMER WITH A BRUSH OR ROLLER.
  3. ALLOW PRIMER TO DRY 15 OR 20 MINUTES AT 77° F (25° C), OR 30 TO 40 MINUTES AT 40° F (4° C), UNTIL NON-TACKY.
  4. APPLY MASTIC AS SHOWN ABOVE. ADDITIONAL MASTIC MAY BE APPLIED IF JOINT OPENINGS ARE REQUIRED FOR LINE AND GRADE PURPOSES.

**TYPICAL PRESTRESSED CONCRETE CYLINDER PIPE JOINT**

SCALE: N.T.S.



- NOTES:**
- 1) APPLY WELDED RING REINFORCEMENT, AS SHOWN.
  - 2) PAINT ALL EXTERIOR EXPOSED STEEL TO BE COATED, OR 30.
  - 3) PAINT ALL INTERIOR EXPOSED STEEL, AND FACE OF 1\"/>
  - 4) PAINT TO BULKHEAD LIFTING APPLICATION OF BRIDGE TO BULKHEADS.
  - 5) PAINT ALL JOINT SURFACES WITH CARBON LINE CANALYTIK 3394.
  - 6) BRACE BULKHEAD INTERNALLY TO PROVIDE ACCURATE BRACING TO BRIDGE, WITH RING REINFORCEMENT.



- NOTES:**
- 1) PAINT ALL EXPOSED STEEL ON EXTERNAL BULKHEAD WITH MARINE PE-64 WHITE ENVI-FRINT.
  - 2) PAINT THE JOINT SURFACES WITH CARBON LINE CANALYTIK 3394.
  - 3) BRACE JOINT WITH RING REINFORCEMENT.

- NOTES:**
- 1) PAINT ALL EXTERIOR EXPOSED STEEL ON BULKHEAD WITH MARINE PE-64 WHITE ENVI-FRINT.
  - 2) PAINT ALL INTERIOR EXPOSED STEEL ON BULKHEAD AND ALL EXPOSED STEEL.
  - 3) BRACE BULKHEAD WITH RING REINFORCEMENT WITH CARBON LINE CANALYTIK 3394.
  - 4) BRACE BULKHEAD INTERNALLY TO PROVIDE ACCURATE BRACING TO BRIDGE, WITH RING REINFORCEMENT.

**DETAILS OF BULKHEAD**

SCALE: N.T.S.

NOTE:  
THE CONTRACTOR IS TO REMOVE THE TWO BULKHEADS AND DELIVER BOTH OF THEM TO THE CITY OF NORTH MYRTLE BEACH'S MAINTENANCE SHOP AFTER THE OUTFALL HAS BEEN APPROVED FOR OPERATION. THE CONTRACTOR IS TO REPLACE THE 12 - 1\"/>

DWG. NAME: J:\PLANS\09\09253E\09253-DET.dwg

NAVD 29 DATUM

USACOE SAC #:2011-00634-31B

MAIN STREET  
OCEAN OUTFALL

OCEAN OUTFALL DETAILS

PURPOSE: STORM WATER  
QUALITY IMPROVEMENTS  
COUNTY: HORRY  
STATE: SOUTH CAROLINA

SAC# 2011-00634-3B

SHEET 11 OF 12

DDC PN: 09.09253E SCALE: NONE

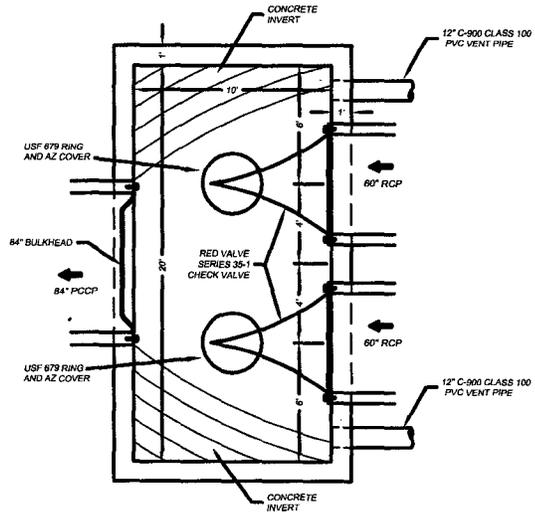
ORIGINAL DATE: 3/09/12  
REVISED DATE:

APPLICANT: CITY OF NORTH  
MYRTLE BEACH

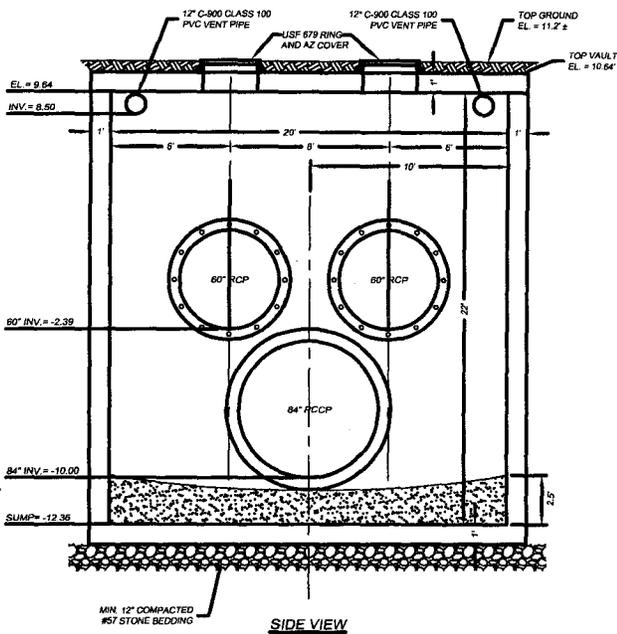


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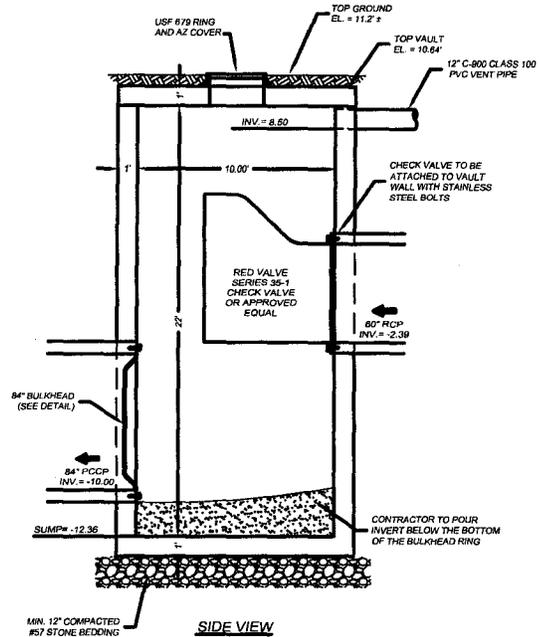
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TOP VIEW



SIDE VIEW



SIDE VIEW

(S-1) 10' X 20'  
OUTFALL STRUCTURE

SCALE: 1"=4'

NAVD 29 DATUM

USACOE SAC #:2011-00634-31B

MAIN STREET  
OCEAN OUTFALL

SAC# 2011-00634-3B

OCEAN OUTFALL DETAILS

PURPOSE: STORM WATER  
QUALITY IMPROVEMENTS  
COUNTY: HORRY  
STATE: SOUTH CAROLINA

SHEET 12 OF 12

DDC PN: 09.09253E

SCALE: NONE

ORIGINAL DATE: 3/09/12  
REVISED DATE:

APPLICANT: CITY OF NORTH  
MYRTLE BEACH



Consulting Engineers, Surveyors, Planners,  
Landscape Architects & Environmentalists  
1298 Professional Dr., Myrtle Beach, SC 29577  
Phone: (843) 692-3200 Fax: (843) 692-3210

DWG. NAME: J:\PLANS\09\09253E\109253-DET-BOX.dwg