

**JOINT**  
**PUBLIC NOTICE**

**CHARLESTON DISTRICT, CORPS OF ENGINEERS**  
**69A Hagood Avenue**  
**Charleston, South Carolina 29403-5107**  
**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 #2004-1W-059-C

9 APRIL 2004

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

**THE CITY OF NORTH MYRTLE BEACH, SC**  
**c/o DDC ENGINEERS, INC.**  
**1298 PROFESSIONAL DRIVE**  
**MYRTLE BEACH, SOUTH CAROLINA 29577**

for a permit to place fill material in and perform excavation in wetlands adjacent to the

ATLANTIC OCEAN

at four locations in the vicinity of 6<sup>th</sup> Avenue South and Hillside Drive in the City of North Myrtle Beach, Horry County, South Carolina (Latitude 33.82030°, Longitude 78.68524°)

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 both of the above mentioned offices until

**12 O'CLOCK NOON, MONDAY, 10 MAY 2004**

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

The proposed work consists of the construction of drainage improvements that will include two (2) stormwater retention ponds in the upper reaches of the drainage basin located west of US Highway 17, North Kings Highway. Excavation for Pond No. 1 will impact Wetland Area "A" and excavation for Pond No. 2 will impact Wetland Area "B" as shown on sheets 4, 5, 6, 7, 8 and 9 of 14. Excavation will be performed using a tracked excavator and the excavated material will be used on site or trucked to an approved upland disposal site.

Wetland Area "C" will be impacted in two ways: 1) a fill activity adjacent to the right-of-way for US Highway 17, North Kings Highway, that will facilitate the future southeast extension of 9<sup>th</sup> Avenue South and the formation of a stormwater detention area in the upper reaches of Wetland Area "C" as shown on sheets 10, 11 and 12 of 14 and 2) a combination of excavation and fill associated with armoring the existing drainage channel located in Wetland Area "C" that connects to Wetland Area "D". Retaining walls are proposed for both sides of the existing channel immediately adjacent to the wetland area. The bottom of the channel and the toe of each retaining wall will be armored with rip-rap stone.

Proposed impacts to Wetland Area "D" include the installation of a sheet pile wall west of the right-of-way for Hillside Drive, excavation to create a pond adjacent to the northwest side of the sheet pile wall, changing the elevation of the Hillside Drive roadway, and the installation of a sidewalk with grassed drainage swale in the right-of-way of the northwest side of Hillside Drive as shown on sheets 13 and 14 of 14. The pond will serve as the collection point for the stormwater outfall pipes that drain into the Atlantic Ocean.

Pond Nos. 1 and 2 will replace portions of the existing drainage ditch that currently runs through and drains Wetland Areas "A" and "B". The construction of the sheet pile wall at Wetland Area "D" will result in an increase in the flooding frequency of this wetland area. The combination of drainage improvements will increase the stormwater storage capacities of the watershed and reduce the current flooding conditions and the associated driving hazard that regularly occurs along Hillside Drive during most rain events. While the water level in the upper reaches of Wetland Area "C" and the area of Wetland Area "D" immediately adjacent to the sheet pile wall will increase during rain events, the proposed inverts of the improved outfall pipes under Hillside Drive will result in no permanent change in the final hydrologic condition of the watershed.

To address mitigation requirements, the applicant provided the following information: While 5.59 acres of wetlands will be impacted, the majority of the impacted areas will be replaced with open water habitat. The existing channel that drains Wetland Areas "A" and "B" will be replaced with standing bodies of water that will be available to maintain and enhance the hydrology of the remaining surrounding wetland areas. The provision of littoral shelves in each pond provides a variety of improved habitats for wildlife. The periodic temporary flooding of the upper area of Wetland Area "C" and the area of Wetland Area "D" immediately adjacent to the sheet pile wall will enhance and invigorate the existing degraded hydrology in these wetland areas.

The applicable regulations, including Erosion and Sediment Control Requirements will be used and followed during all construction activities associated with the project to maintain the integrity of the site. Any adjacent wetland areas disturbed during the construction of this project, will be restored to their original condition.

The purpose of the project according to the applicant, is to provide drainage basin improvements (aesthetic, water quality and the reduction of human health risks) to alleviate flooding in the drainage areas specifically along Hillside Drive which drain into the previously authorized 6<sup>th</sup> Avenue South Ocean Outfall that will replace the existing outfall and extend into the Atlantic Ocean approximately 1,092 linear feet.

**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  
69A Hagood Avenue  
Charleston, South Carolina 29403-5107.**

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 5.59 acres of freshwater habitat upstream from estuarine substrates and emergent wetlands utilized by various life stages of species comprising the red drum, shrimp, and snapper-grouper management complexes. 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.

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).

The District Engineer has 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. Consultation of the National Register constitutes the extent of cultural resource investigations by the District Engineer, and he is otherwise unaware of the presence of such resources. Presently unknown archaeological, scientific, prehistorical, or historical data may be lost or destroyed by the work to be accomplished under the requested permit.

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 and will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency (EPA), under authority of Section 404(b) of the Clean Water Act and, as appropriate, the criteria established under authority of Section 102 of the Marine Protection, Research and Sanctuaries Act of 1972, as amended. 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 me at 843-329-8044 or toll free at 1-866-329-8187.

  
for Debra W. King  
Project Manager  
Regulatory Division  
U.S. Army Corps of Engineers

**WETLAND IMPACT SUMMARY**  
**2004-1W-059-C**

<b>WETLAND AREA</b>	<b>IMPACT</b>	<b>FILL IMPACT (Ac.)</b>	<b>EXCAVATION IMPACT (Ac.)</b>
A	A-1	-	2.89
	A-2	-	0.09
<b>Sub-total</b>		-	<b>2.98 Ac.</b>
B	B-1	-	0.39
	B-2	-	0.85
<b>Sub-total</b>		-	<b>1.24 Ac.</b>
C	C-1	0.30	-
	C-2a	0.09	0.09
	C-2a	0.02	0.02
	C-2b		0.04
<b>Sub-total</b>		<b>0.41 Ac.</b>	<b>0.15 Ac.</b>
D	D-1a	-	0.38
	D-1b	0.07	-
	D-1c	0.04	-
	D-1d	0.32	-
<b>Sub-total</b>		<b>0.43 Ac.</b>	<b>0.38 Ac.</b>
<b>GRAND TOTAL</b>		<b>0.84 Acres Fill</b>	<b>4.75 Acres Excavation</b>

**TOTAL WETLAND IMPACTS = 5.59 Acres**

Note: The 0.11 acres of wetland impact associated with C-2a has been included as an excavation impact and a fill impact.





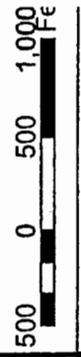
- Centerline
- Existing Pipe
- Proposed Pipe
- Wetland Areas
- Site
- Road
- Horry County

2004-1W-059-C

# SITE MAP SHEET 3 OF 14

Disclaimer: DDC Engineers, Inc. and its Landfall Company and all other DDC entities are not liable for the accuracy of the information provided in this document, or for any errors or omissions in this document. The user of this document is responsible for the accuracy of the information provided in this document. The user of this document is responsible for the accuracy of the information provided in this document. The user of this document is responsible for the accuracy of the information provided in this document.

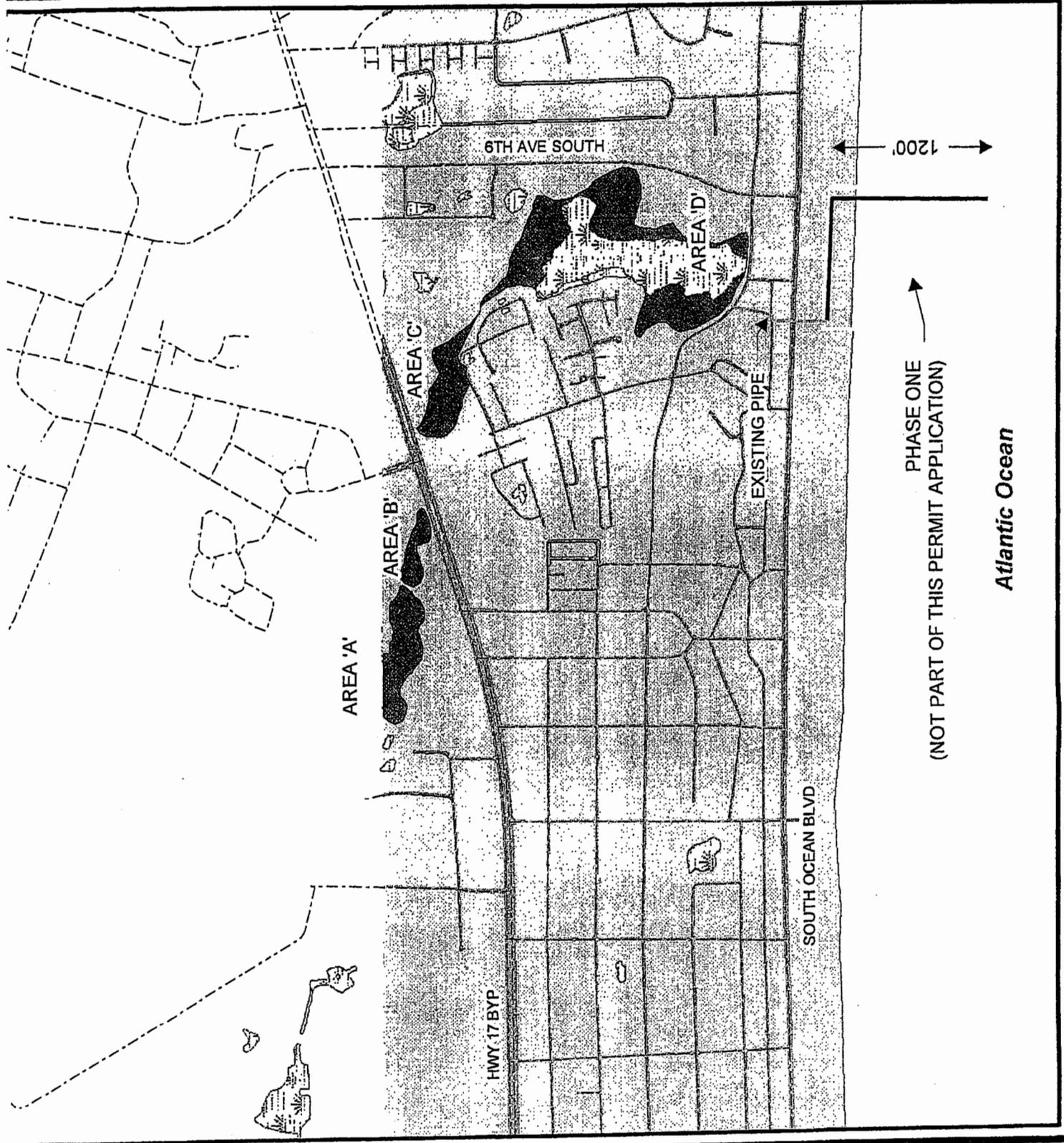
**HILLSIDE DRIVE  
DRAINAGE IMPROVEMENT**  
PHASE TWO - LANDWARD AREA  
Prepared For:  
CITY OF NORTH MYRTLE BEACH



Date: 02/2004 Scale: 1" = 10'  
County: Horry Job No.: 02.02

File No: KIGIS0202195102195\_Site.MXD

**DDC Engineers, Inc.**  
1298 Professional Drive  
Myrtle Beach, SC 29577  
843-692-3200  
www.ddcinc.com



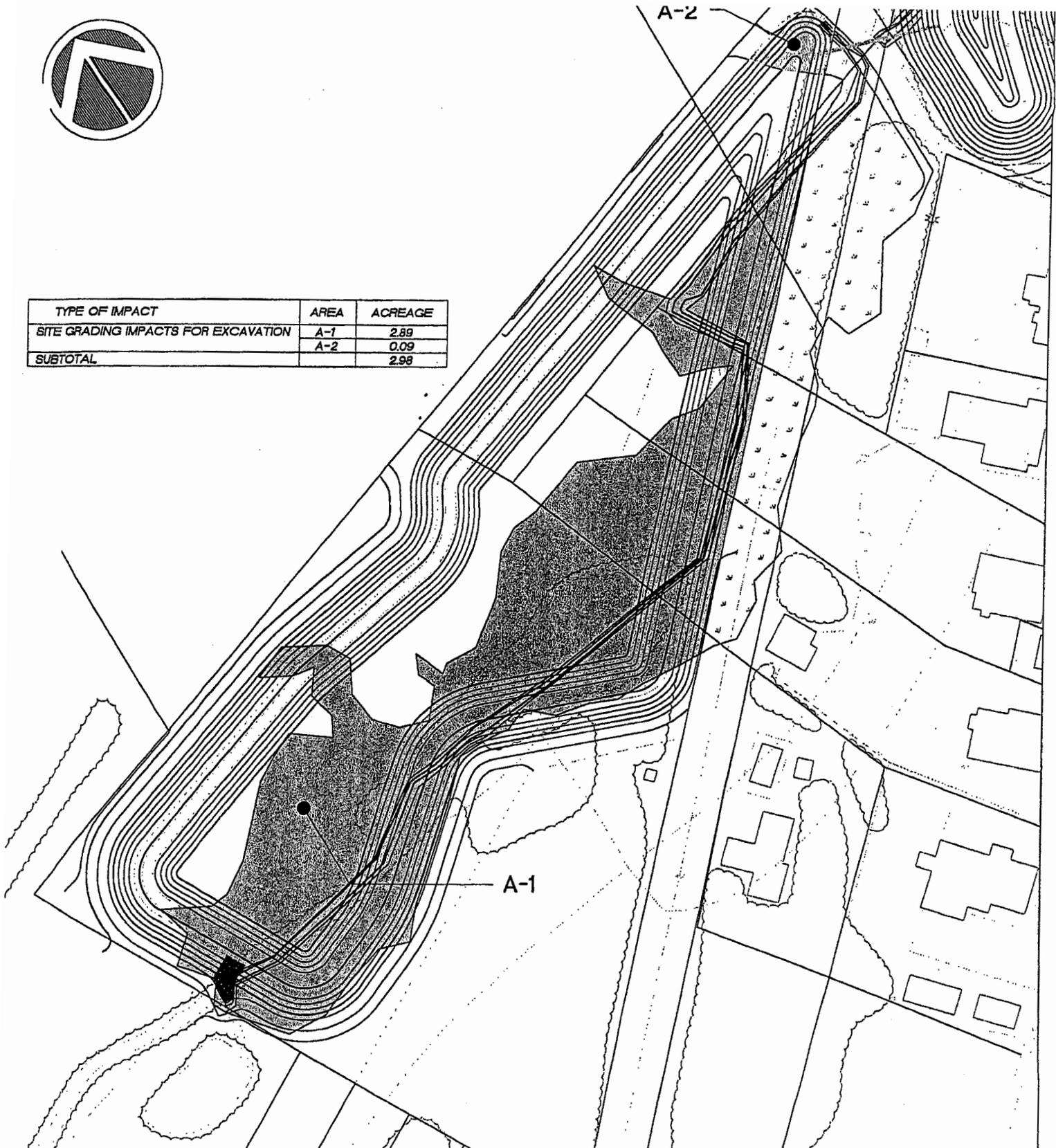
PHASE ONE  
(NOT PART OF THIS PERMIT APPLICATION)

*Atlantic Ocean*



A-2

TYPE OF IMPACT	AREA	ACREAGE
SITE GRADING IMPACTS FOR EXCAVATION	A-1	2.89
	A-2	0.09
<b>SUBTOTAL</b>		<b>2.98</b>



A-1

HILLSIDE DRIVE  
DRAINAGE IMPROVEMENTS

PHASE TWO  
LANDWARD AREA

**KEY MAP FOR WETLAND  
AREA 'A'**

2004-1W-059-C

PROJECT#: 02.02195

SCALE: N.T.S.

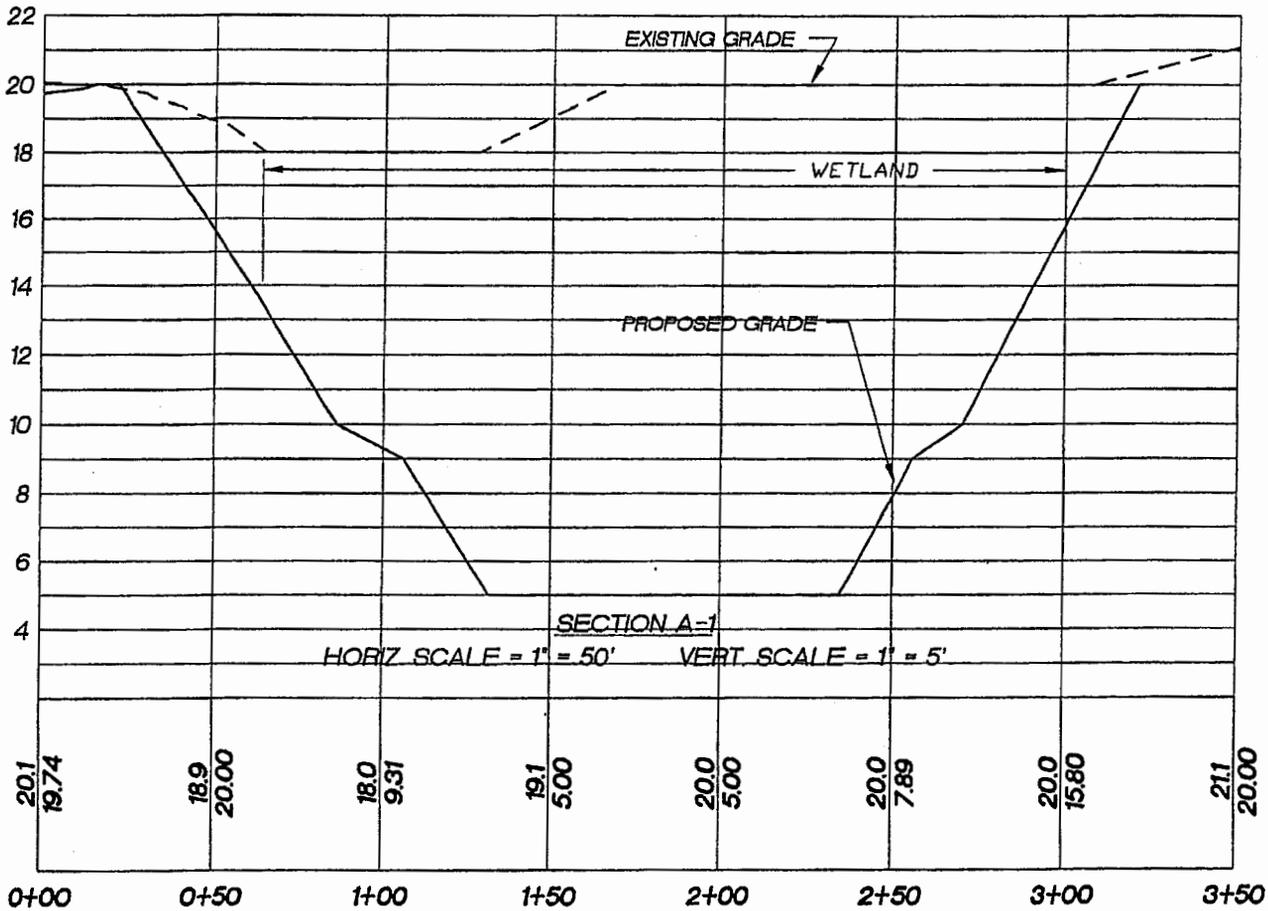
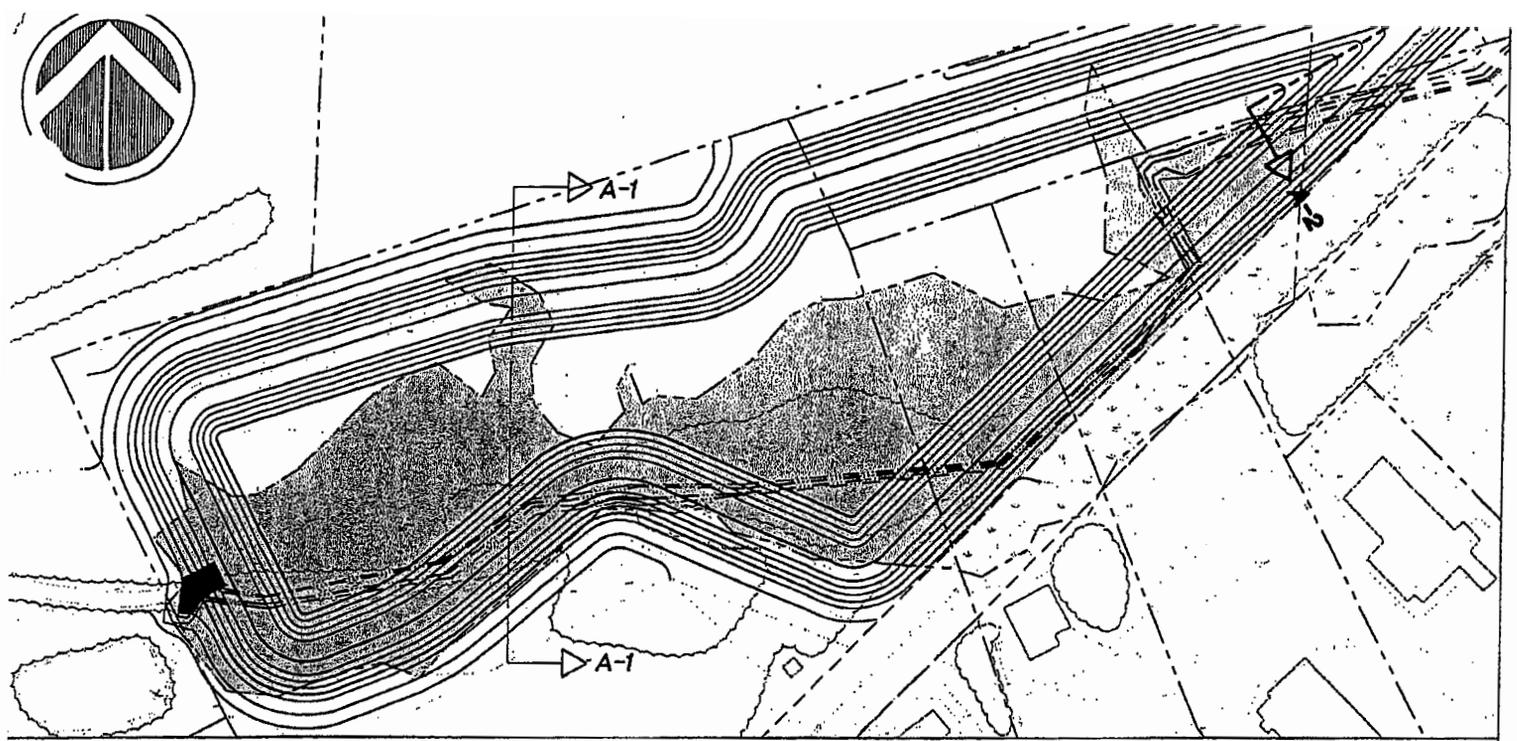
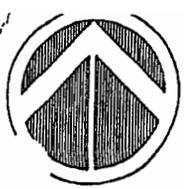
PROPOSED WETLAND IMPACTS FOR:  
DRAINAGE IMPROVEMENTS

COUNTY: HORRY  
STATE: SOUTH CAROLINA



DATE: FEBRUARY 04, 2004  
SHEET 4 OF 14

APPLICANT:  
CITY OF NORTH MYRTLE BEACH



HILLSIDE DRIVE  
DRAINAGE IMPROVEMENTS

PHASE TWO  
LANDWARD AREA

2004-1W-059-C  
WETLAND IMPACT  
SITE A-1

PROJECT#: 02.02195      SCALE: AS SHOWN

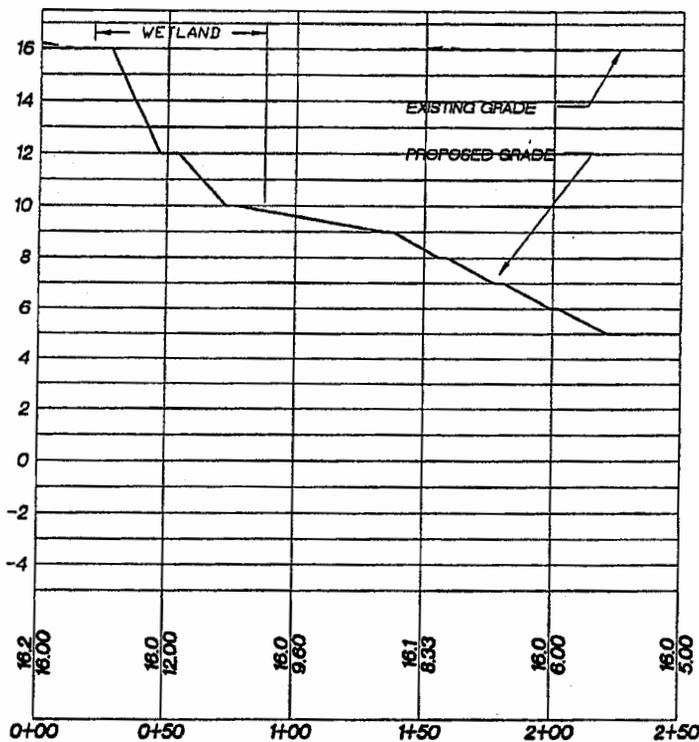
PROPOSED WETLAND IMPACT FOR:  
DRAINAGE IMPROVEMENTS

COUNTY: HORRY  
STATE: SOUTH CAROLINA

DATE: FEBRUARY 04, 2004  
SHEET 5 OF 14

APPLICANT:  
CITY OF NORTH MYRTLE BEACH





SECTION A-2  
 HORIZ. SCALE - 1" = 50'  
 VERT. SCALE - 1" = 5'

HILLSIDE DRIVE  
 DRAINAGE IMPROVEMENTS

PHASE TWO  
 LANDWARD AREA

2004-1W-059-C  
**WETLAND IMPACT  
 SITE A-2**

PROJECT#: 02.02195    SCALE: AS SHOWN

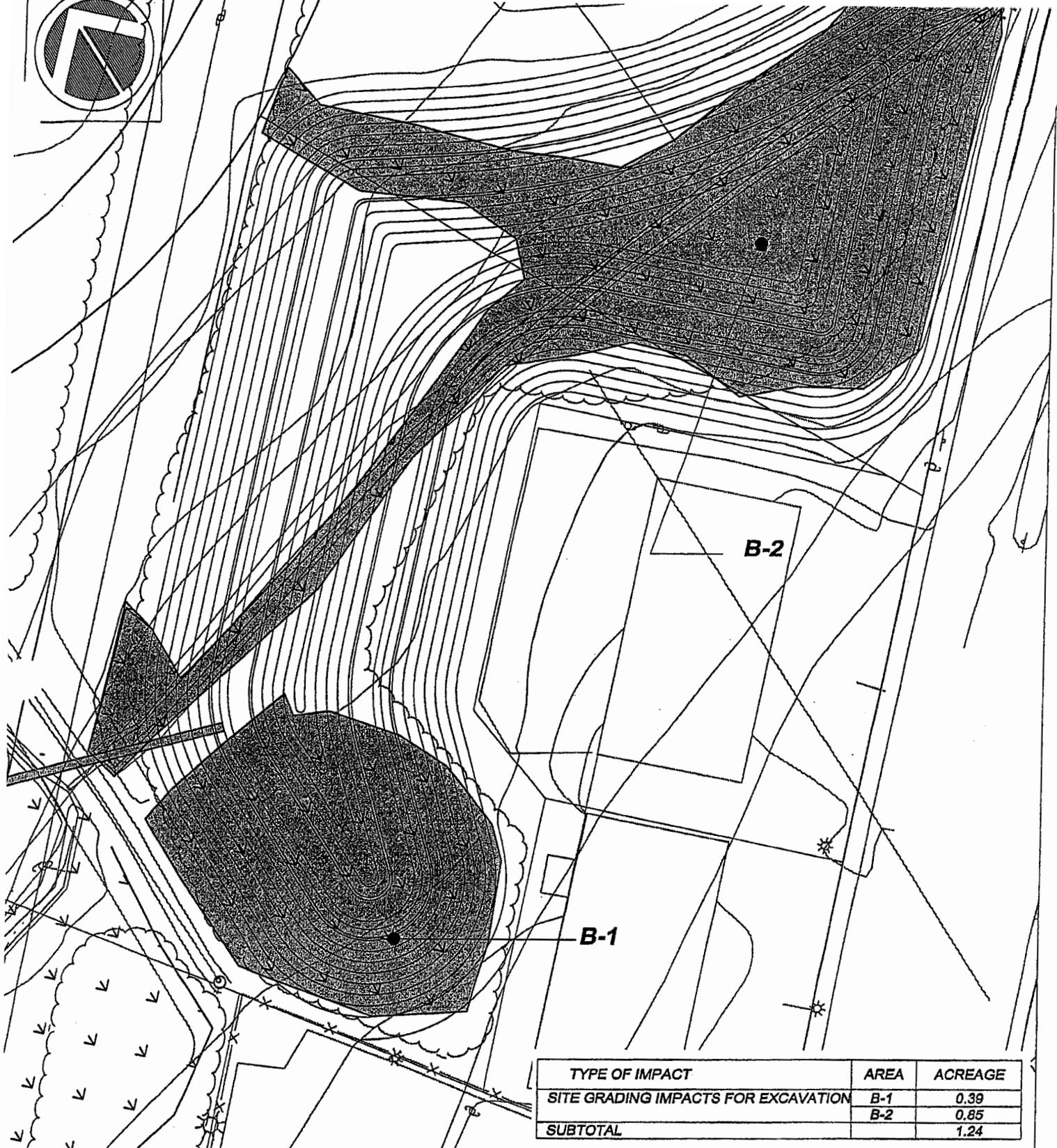
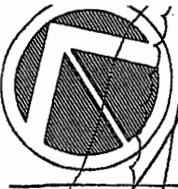
PROPOSED WETLAND IMPACTS FOR:  
 DRAINAGE IMPROVEMENTS

COUNTY: HORRY  
 STATE: SOUTH CAROLINA



DATE: FEBRUARY 04, 2004  
 SHEET 6 OF 14

APPLICANT:  
 CITY OF NORTH MYRTLE BEACH



TYPE OF IMPACT	AREA	ACREAGE
SITE GRADING IMPACTS FOR EXCAVATION	B-1	0.39
	B-2	0.85
SUBTOTAL		1.24

HILLSIDE DRIVE  
DRAINAGE IMPROVEMENTS

2004-1W-059-C  
WETLAND IMPACT  
AREA 'B'

PROPOSED WETLAND IMPACT FOR:  
DRAINAGE IMPROVEMENTS  
COUNTY: HORRY  
STATE: SOUTH CAROLINA

ASE TWO  
LANDWARD AREA

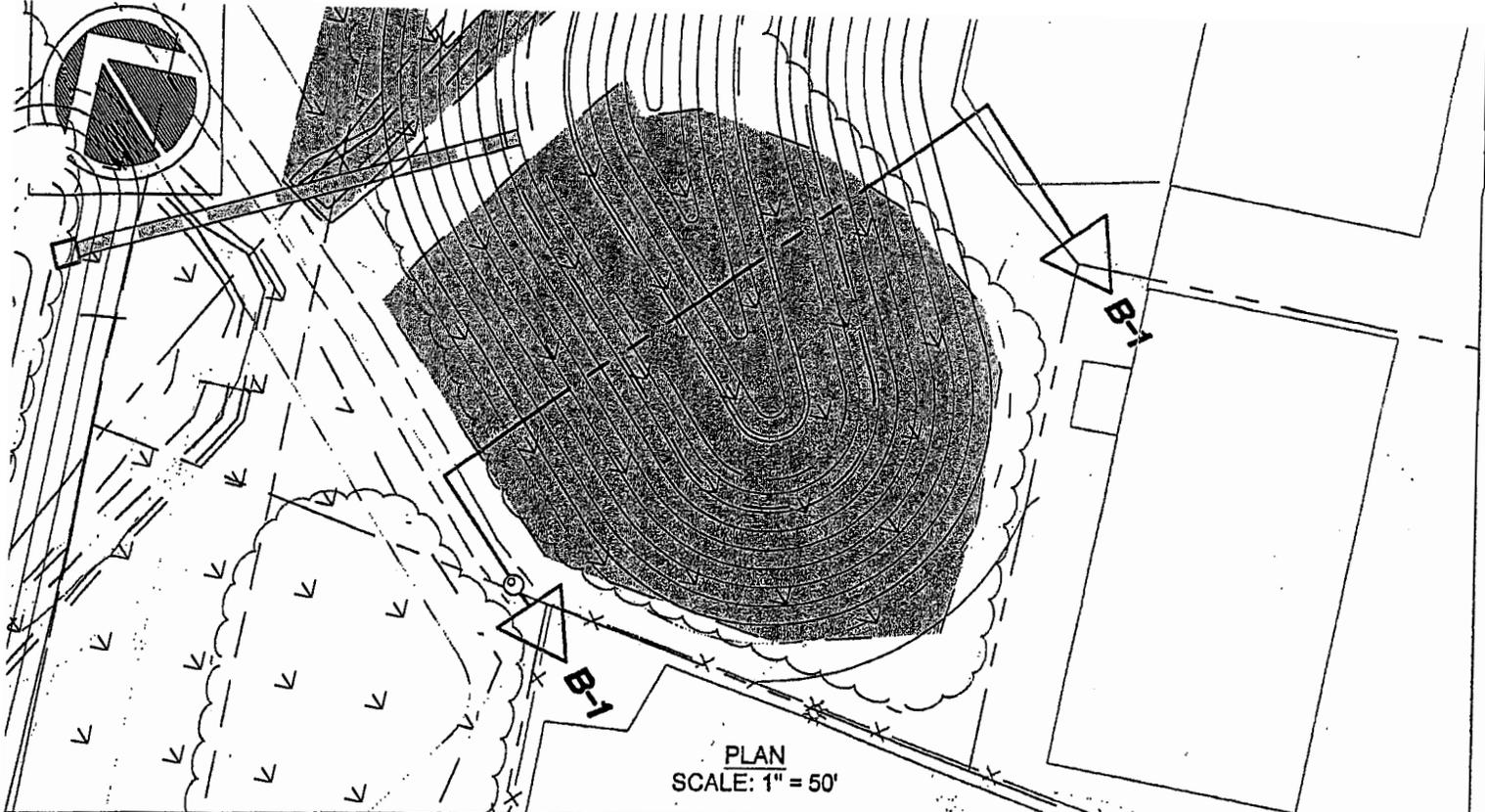
PROJECT#: 02.02195

N.T.S.

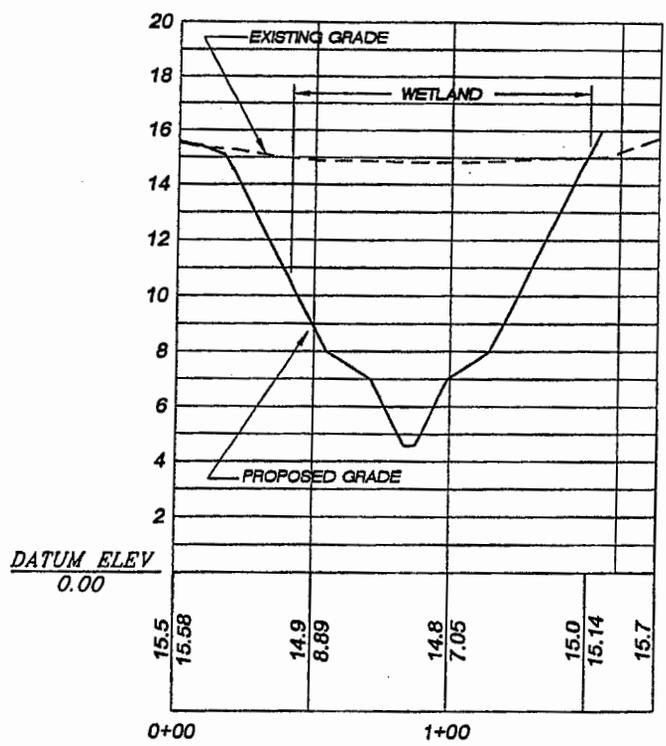
DATE: FEBRUARY 04, 2004  
HEET 7 OF 14

APPLICANT:  
CITY OF NORTH MYRTLE BEACH

**DDO**  
DDO Engineers, Inc.  
ENGINEERS, PLANNERS, & SURVEYORS  
1298 PROFESSIONAL DRIVE  
MYRTLE BEACH, SOUTH CAROLINA  
PHONE: (843) 692-3200  
FAX: (843) 692-3210



PLAN  
SCALE: 1" = 50'



DATUM ELEV  
0.00

SECTION B-1  
HORIZ. SCALE - 1" = 50'  
VERT. SCALE - 1" = 5'

HILLSIDE DRIVE  
DRAINAGE IMPROVEMENTS

HASE TWO  
LANDWARD AREA

2004-1W-059-C  
WETLAND IMPACT  
SITE B-1

PROJECT#: 02.02195

N.T.S.

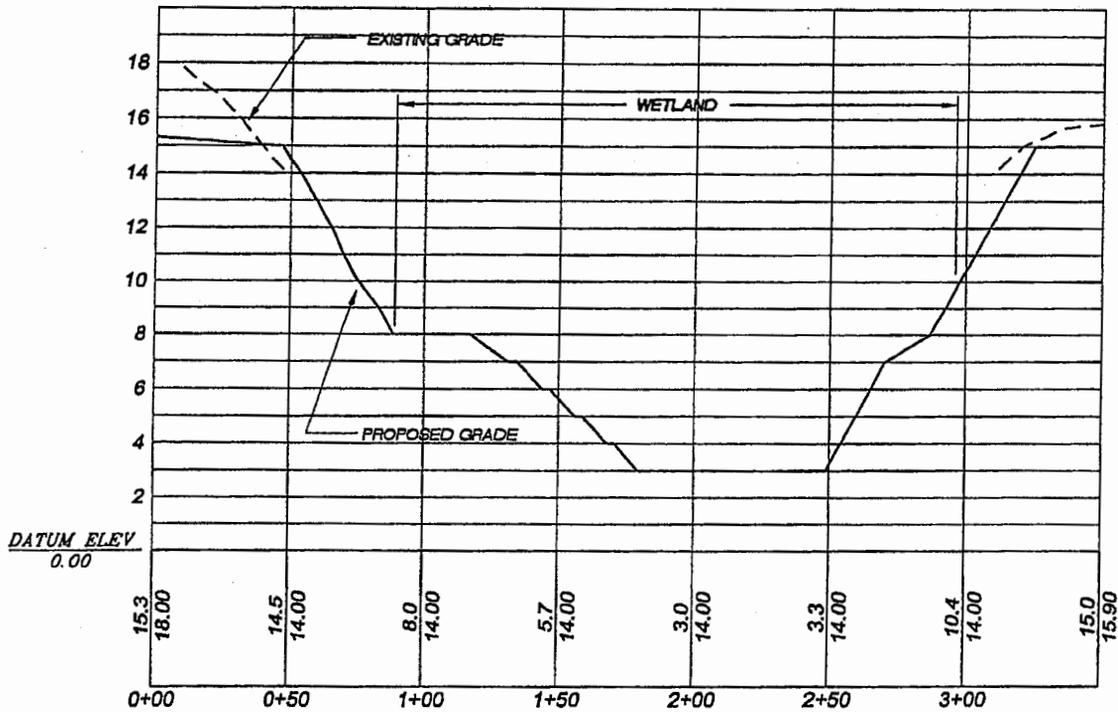
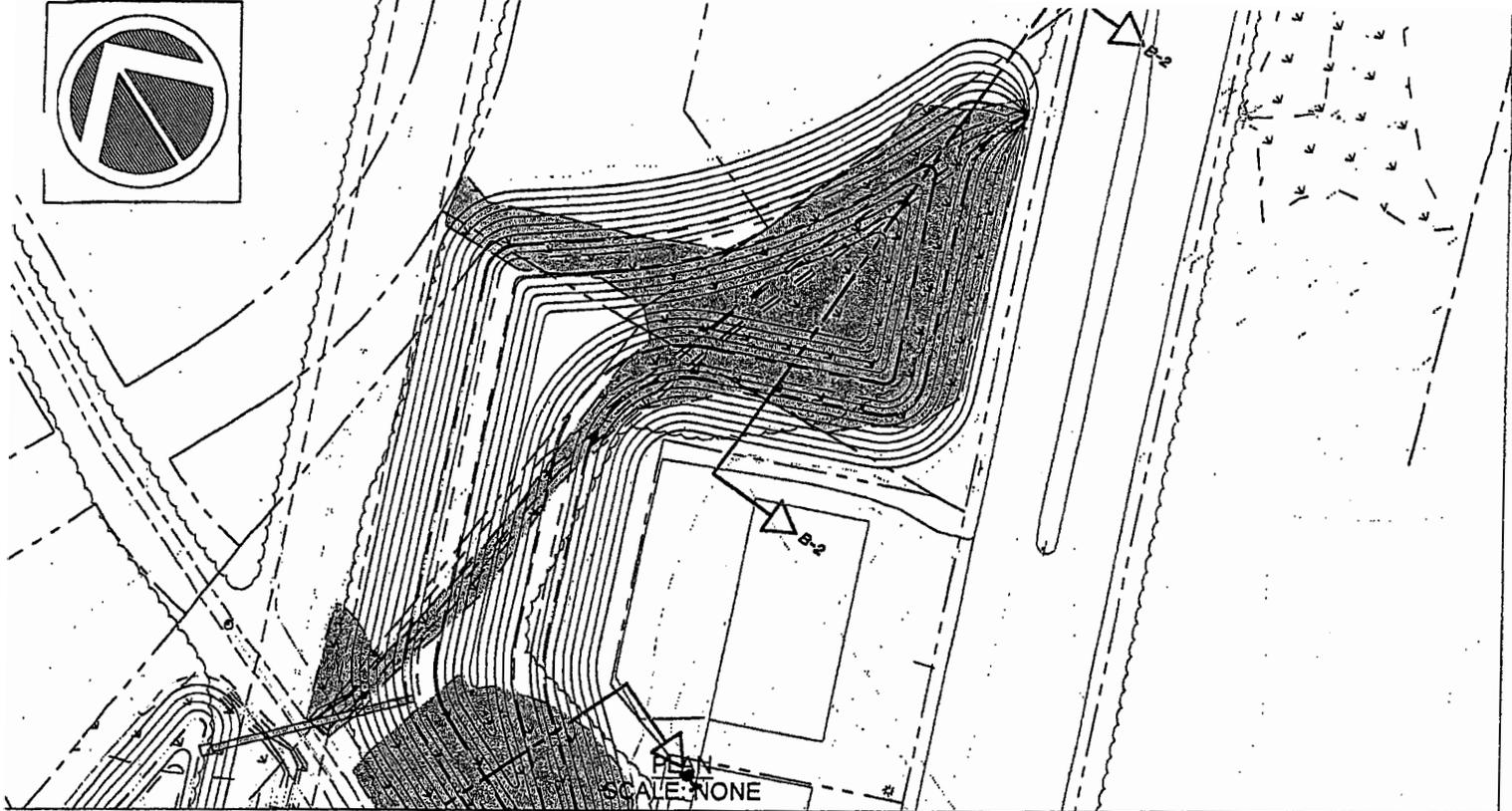
PROPOSED WETLAND IMPACT FOR:  
DRAINAGE IMPROVEMENTS

COUNTY: HORRY  
STATE: SOUTH CAROLINA



DATE: FEBRUARY 04, 2004  
SHEET 8 OF 14

APPLICANT:  
CITY OF NORTH MYRTLE BEACH



SECTION B-2  
 HORIZ. SCALE = 1" = 50'  
 VERT. SCALE = 1" = 5'

HILLSIDE DRIVE  
 DRAINAGE IMPROVEMENTS

PHASE TWO  
 LANDWARD AREA

2004-1W-059-C  
**WETLAND IMPACT**  
**SITE B-2**

PROJECT#: 02.02195 SCALE: AS SHOWN

PROPOSED WETLAND IMPACT FOR:  
 DRAINAGE IMPROVEMENTS

COUNTY: HORRY  
 STATE: SOUTH CAROLINA



DATE: FEBRUARY 04, 2004  
 SHEET 9 OF 14

APPLICANT:  
 CITY OF NORTH MYRTLE BEACH



TYPE OF IMPACT	AREA	FILL ACREAGE	EXCAVATION ACREAGE
SITE GRADING IMPACTS FOR EXCAVATION AND IMPACTS FOR FILL	C-1	0.30	-
	C-2a	0.09	0.09
	C-2a	0.02	0.02
	C-2b	-	0.04
<b>SUBTOTAL</b>		<b>0.41</b>	<b>0.15</b>

HILLSIDE DRIVE  
DRAINAGE IMPROVEMENTS

2004-1W-059-C  
**WETLAND IMPACT  
AREA 'C'**

PROPOSED WETLAND IMPACT FOR:  
DRAINAGE IMPROVEMENTS

COUNTY: HORRY  
STATE: SOUTH CAROLINA

SE TWO  
LANDWARD AREA

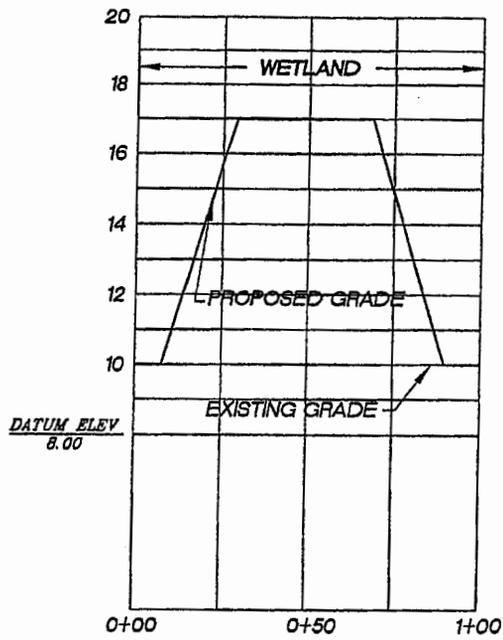
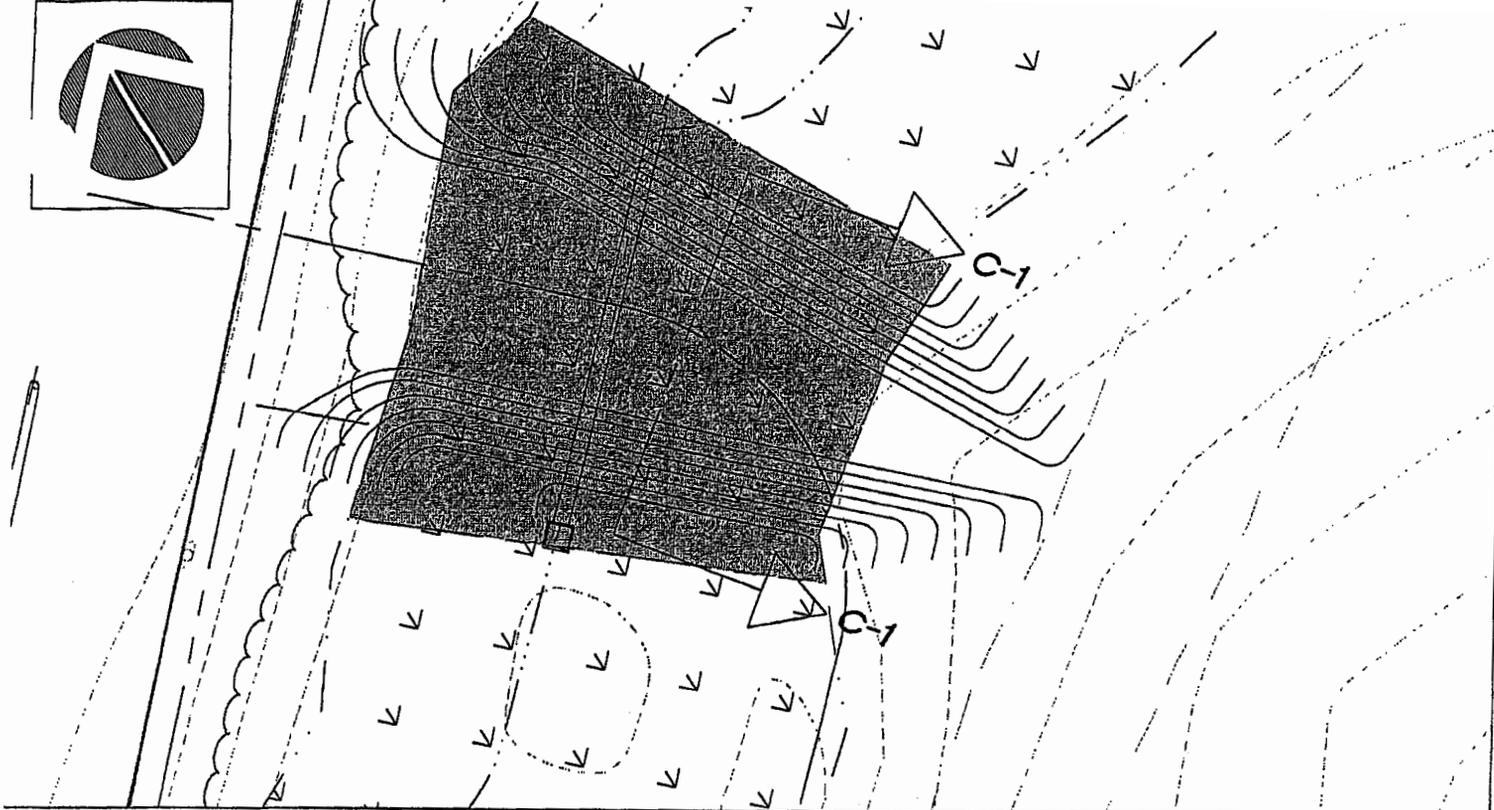
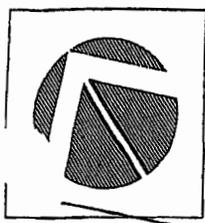
PROJECT#: 02.02195

N.T.S.

DATE: FEBRUARY 04, 2004  
SHEET 10 OF 14

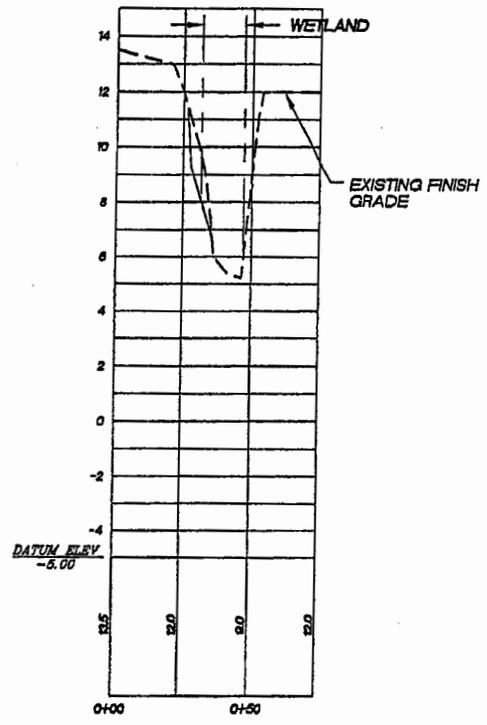
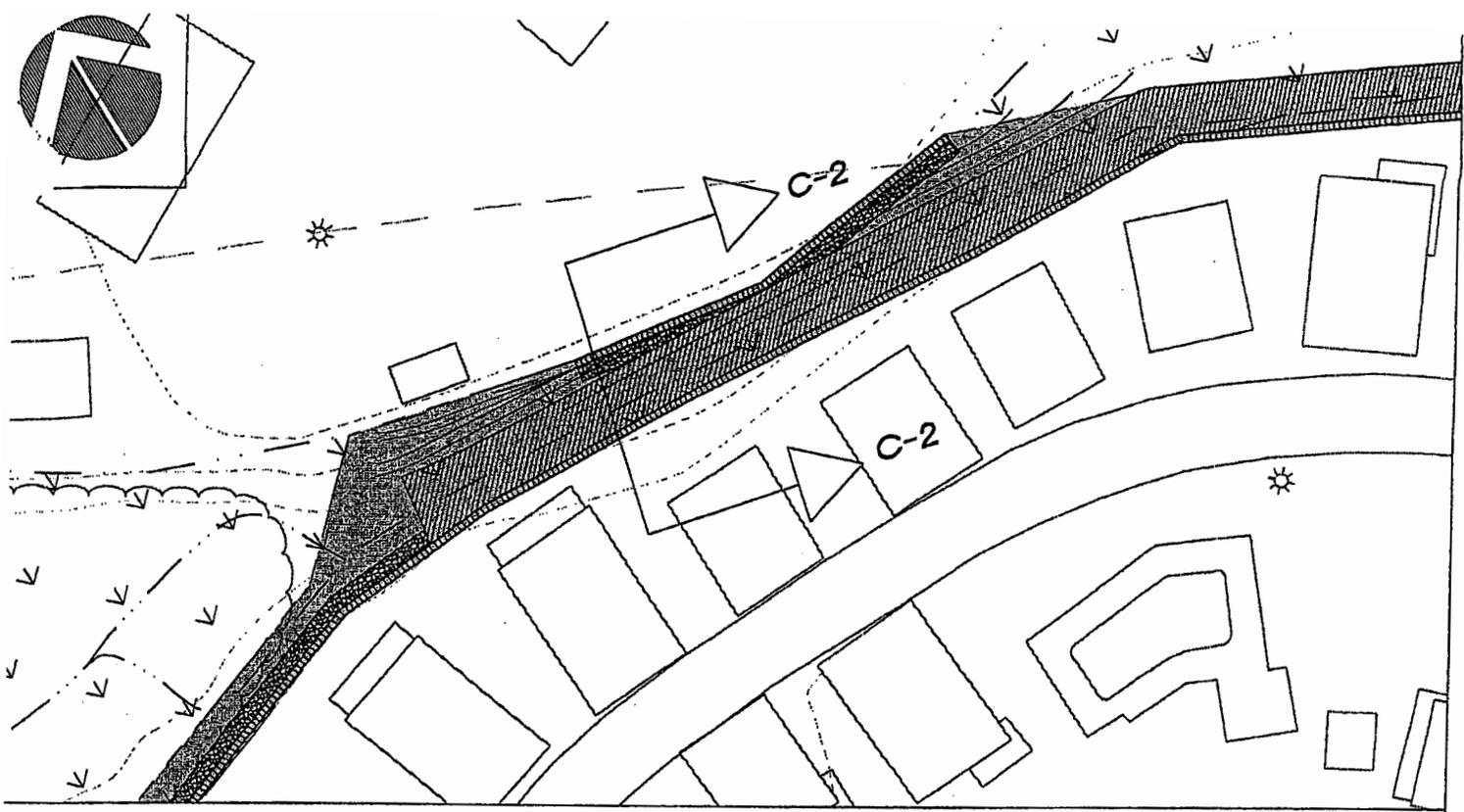
APPLICANT:  
CITY OF NORTH MYRTLE BEACH





SECTION C-1  
 HORIZ. SCALE = 1" = 50'  
 VERT. SCALE = 1" = 5'

HILLSIDE DRIVE DRAINAGE IMPROVEMENTS  PHASE TWO LANDWARD AREA	2004-1W-059-C WETLAND IMPACT SITE C-1		PROPOSED WETLAND IMPACT FOR: DRAINAGE IMPROVEMENTS  COUNTY: HORRY STATE: SOUTH CAROLINA
	PROJECT# 03.03396	N.T.S.	
DATE: DECEMBER 24, 2003 SHEET 11 OF 14	APPLICANT: CITY OF NORTH MYRTLE BEACH		 <p> <b>DDC</b>  <b>Engineers, Inc.</b>          ENGINEERS, PLANNERS, + SURVEYORS          1250 PROFESSIONAL DRIVE          MYRTLE BEACH, SOUTH CAROLINA          PHONE: (843) 892-3200          FAX: (843) 892-3210       </p>



SECTION C-2  
 HORIZ. SCALE = 1" = 50'  
 VERT. SCALE = 1" = 5'

HILLSIDE DRIVE  
 DRAINAGE IMPROVEMENTS

SECTION TWO  
 LANDWARD AREA

2004-1W-059-C  
 WETLAND IMPACT  
 SITE C-2

PROPOSED WETLAND IMPACT FOR:  
 DRAINAGE IMPROVEMENTS

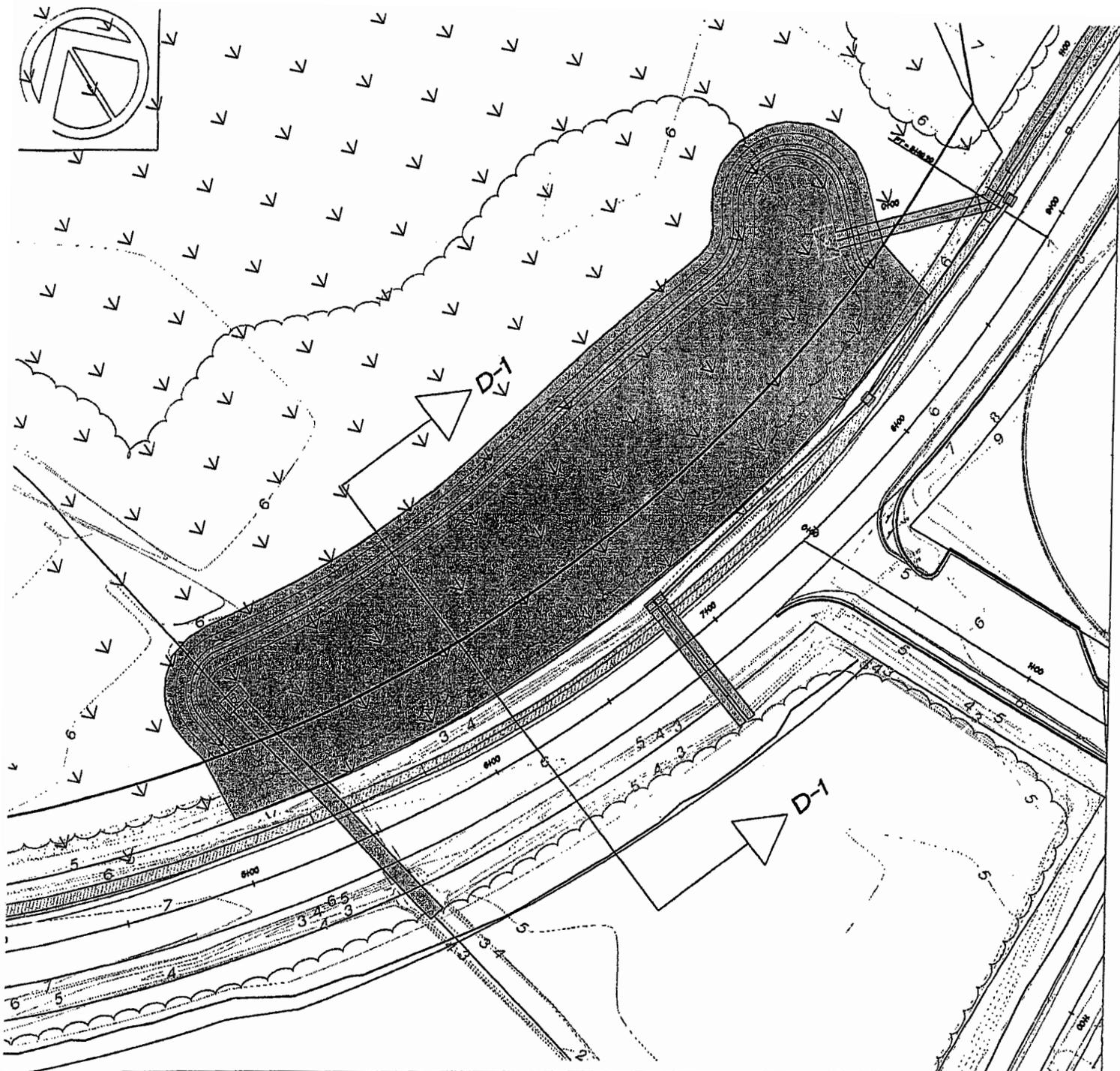
COUNTY: HORRY  
 STATE: SOUTH CAROLINA

PROJECT#: 02.02195      N.T.S.

DATE: FEBRUARY 04, 2004  
 SHEET 12 OF 14

APPLICANT:  
 CITY OF NORTH MYRTLE BEACH

**DDC**  
**DDC Engineers, Inc.**  
 ENGINEERS, PLANNERS, + SURVEYORS  
 1298 PROFESSIONAL DRIVE  
 MYRTLE BEACH, SOUTH CAROLINA  
 PHONE: (843) 692-3200  
 FAX: (843) 692-3210



TYPE OF IMPACT	AREA	FILL ACREAGE	EXCAVATION ACREAGE
SITE GRADING IMPACTS FOR EXCAVATION AND IMPACTS FOR FILL	D-1a	-	0.38
	D-1b	0.07	-
	D-1c	0.04	-
	D-1d	.032	-
SUBTOTAL		0.43	0.38

HILLSIDE DRIVE  
DRAINAGE IMPROVEMENTS

SECTION TWO  
SOUTHWARD AREA

DATE: FEBRUARY 04, 2004  
SHEET 13 OF 14

2004-1W-059-C  
WETLAND IMPACT  
SITE 'D'

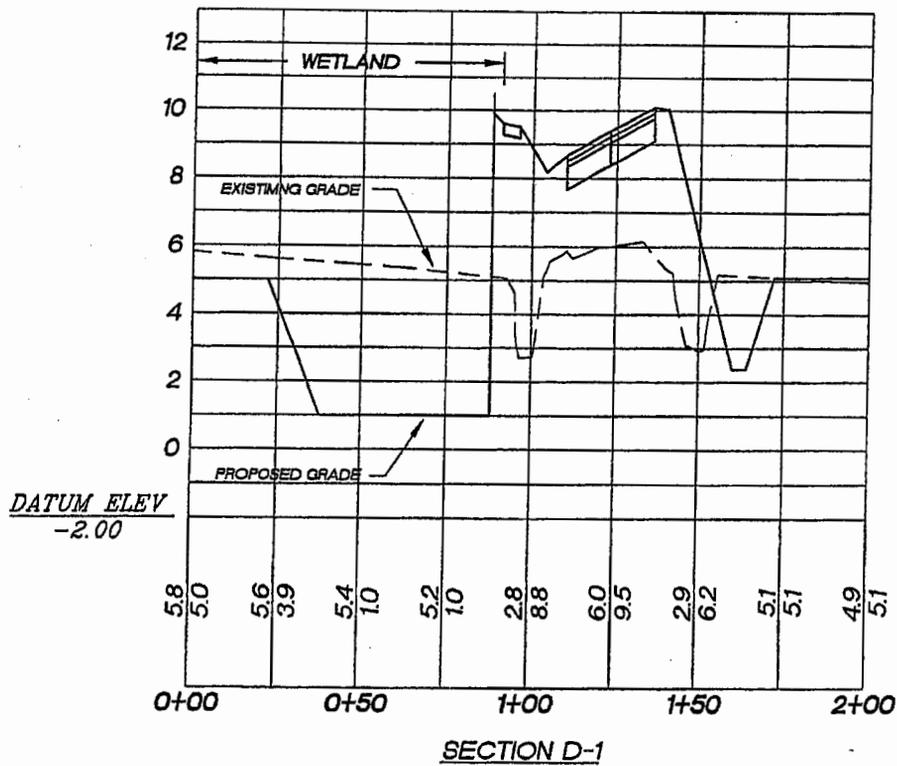
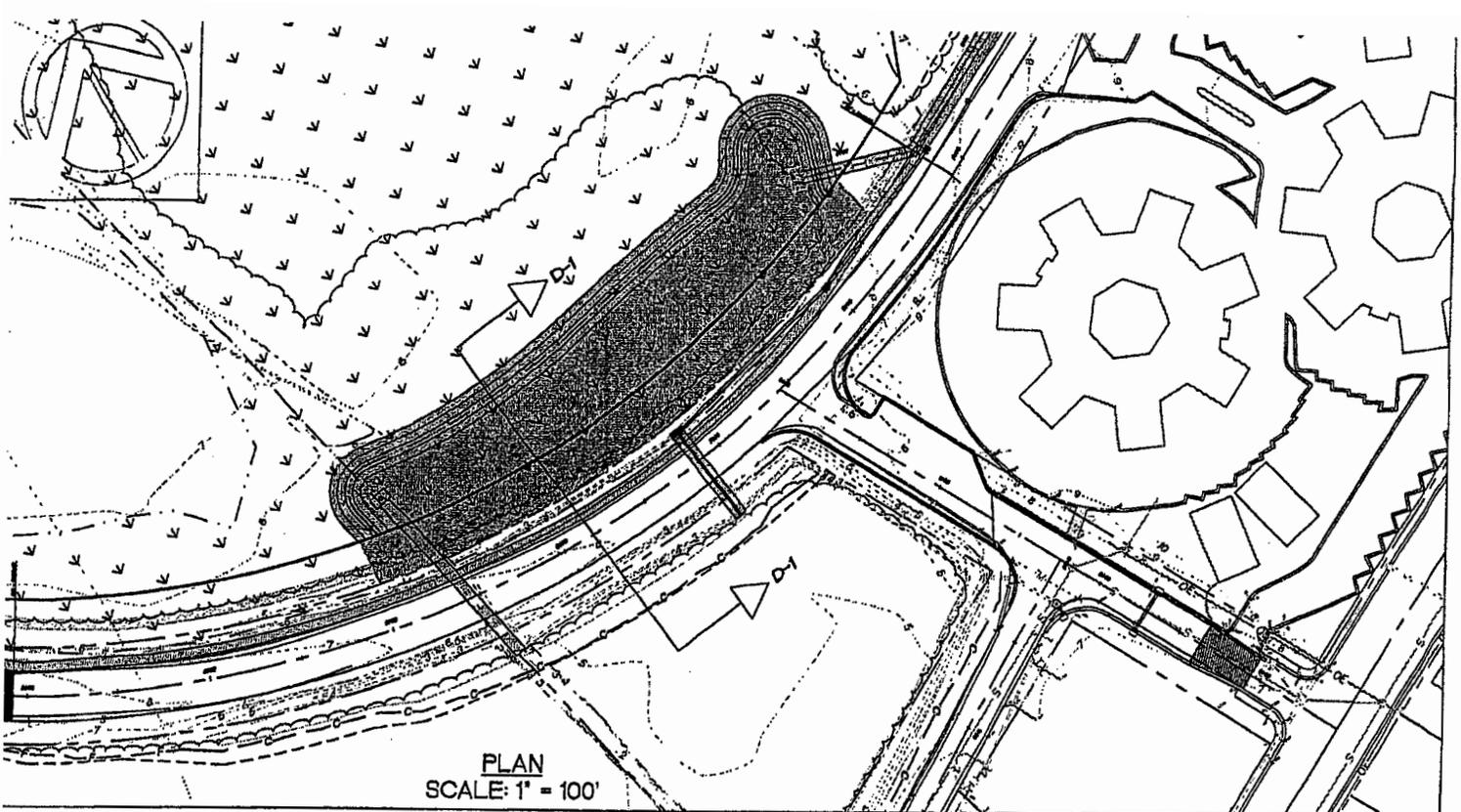
PROJECT#: 02.02195      N.T.S.

APPLICANT:  
CITY OF NORTH MYRTLE BEACH

PROPOSED WETLAND IMPACT FOR:  
DRAINAGE IMPROVEMENTS

COUNTY: HORRY  
STATE: SOUTH CAROLINA





MILLSIDE DRIVE  
DRAINAGE IMPROVEMENTS

SECTION TWO  
LANDWARD AREA

DATE: FEBRUARY 04, 2004  
SHEET 14 OF 14

2004-1W-059-C  
WETLAND IMPACT  
SITE D-1,a,b,c,d

PROJECT#: 02.02195

N.T.S.

APPLICANT:  
CITY OF NORTH MYRTLE BEACH

PROPOSED WETLAND IMPACT FOR:  
DRAINAGE IMPROVEMENTS

COUNTY: Horry  
STATE: SOUTH CAROLINA

**DDC**  
DDC Engineers, Inc.  
ENGINEERS, PLANNERS, + SURVEYORS  
1298 PROFESSIONAL DRIVE  
MYRTLE BEACH, SOUTH CAROLINA  
PHONE: (843) 692-3200  
FAX: (843) 692-3210