

**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 #2006-1457-2IR

February 9, 2007

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 CHARLESTON**  
**LAURA CABINESS, DIRECTOR OF PUBLIC SERVICES**  
**75 CALHOUN STREET**  
**CHARLESTON, SOUTH CAROLINA 29401-3506**

for a permit to place fill in waters of the U.S., including wetlands adjacent to

**SEASIDE CREEK**

at two locations along Battleground Road on James Island, Charleston County, South Carolina. One location is at a James Island PSD pump station located 0.4 miles on the left side of Battleground Road after the intersection with Ft. Lamar Road (Latitude: 32.70413; Longitude: 79.95399). The second location is 0.1 mile on the left past the pump station. (Latitude: 32.70416; Longitude: 79.95310).

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, MARCH 12, 2007**

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

The proposed work consists of placement of fill material, geotextile liner, bedding stone and riprap **OR** concrete mats at two areas where severe erosion and undercutting are jeopardizing a James Island PSD pump station at one location and Battleground Road at a second location. The project will involve cumulative impacts to 0.15 acres along approximately 340 feet of bank and include the placement of a total of 865 cubic yards of material. The applicant has considered a number of alternatives including a bulkhead. However, engineering constraints have rendered the bulkhead alternative infeasible. The purpose of the project is to repair the undercutting of the road and erosion of the creek bank and to prevent further erosion at the two locations noted above.

**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 of 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 0.15 acres of 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.

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.

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.

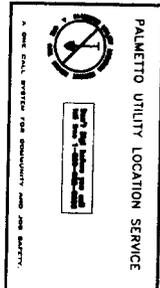
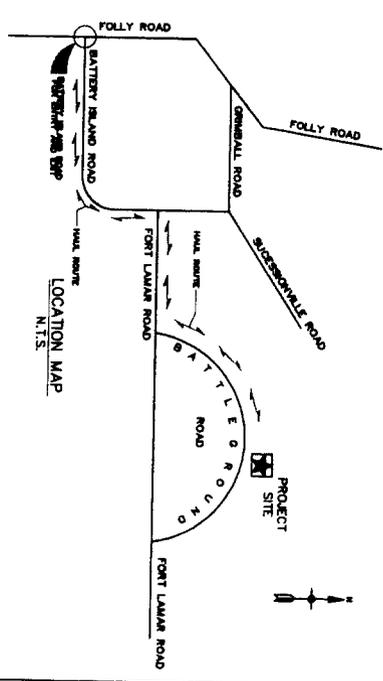
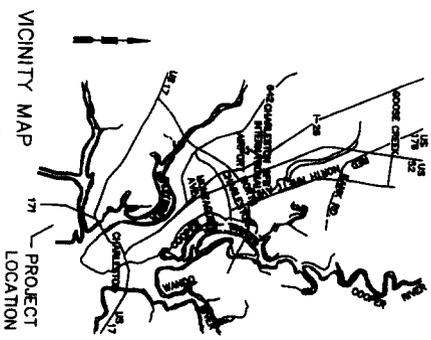
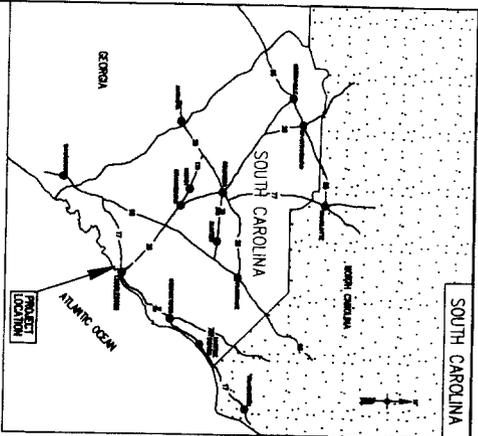
In accordance with the NHPA, the District Engineer has also consulted the latest published version of the National Register of Historic Places for the presence or absence of registered properties, or properties listed as being eligible for inclusion therein, and this worksite is not included as a registered 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 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 Robin Coller-Socha at 843-329-8044 or toll free at 1-866-329-8187.



**INDEX OF DRAWINGS**

SHEET	TITLE
1	COVER SHEET AND LOCATION MAPS
2	SITE 1 PLAN, EXISTING TRENCH AND UTILITIES
3	SITE 1 LAYOUT
4	SITE 2 PLAN, EXISTING TRENCH AND UTILITIES
5	SITE 2 LAYOUT
6	TYPICAL CROSS SECTION WITH DETAILS
7, 8	PIPE 1 CROSS SECTION
9, 10	PIPE 2 CROSS SECTION

**GENERAL NOTES:**

1. OTHER DATA TO BE OBTAINED FROM PALMETTO UTILITY LOCATION SERVICE SHALL BE COVERED WITH APPROVED FRAMES FROM TO FLASHERS OF ASBESTOSY AND SHALL BE MARKED AT A 1/2 HORIZONTAL TO 1 VERTICAL SLOPE.
2. CONSTRUCTION TO VERIFY LOCATION OF ALL EXISTING UTILITIES FROM TO MECHANICAL EXPLORATION. CONTACT PALMETTO UTILITY LOCATION SERVICE (1-800-422-0853).
3. ALL WORK SHALL BE DONE IN ACCORDANCE WITH LATEST SOUTH CAROLINA SPECIFICATIONS.
4. REINFORCEMENT SHALL BE PLACED IN THE CHANNEL WITHIN 100 FEET OF THE CENTER OF THE CHANNEL ON THE UPSTREAM AND DOWNSTREAM APPROACHES OF BOTH MAIN STREMS "LOW - 50 WAVE ZONE".
5. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT STRUCTURES, TREES, SIGNALS, AND OTHER PUBLIC UTILITIES WITHIN THE RIGHT-OF-WAY AND EXISTING LIMITS.
6. THROUGHOUT DURATION OF CONSTRUCTION, CONTRACTOR SHALL POST A WARNING ALL EXISTING UTILITIES TO REMAIN IN PLACE.
7. CONTRACTOR SHALL OBTAIN NEARBY CONTROL POINT FROM THE CITY'S TRAFFIC & TRANSPORTATION DEPARTMENT FOR TO CONSTRUCTION OF WORK.
8. ALL EXISTING IN PLACE UTILITIES, EXISTING AND NEW SHALL BE EXPOSED AND COMPARED AT THE TIME OF THE CONSTRUCTION AND SHALL BE RECOVERED TO ORIGINAL DEPTH AND POSITION. ALL UTILITIES SHALL BE RECOVERED TO ORIGINAL DEPTH AND POSITION. ALL UTILITIES SHALL BE RECOVERED TO ORIGINAL DEPTH AND POSITION.
9. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN NEARBY CONTROL POINT FROM THE CITY'S TRAFFIC & TRANSPORTATION DEPARTMENT FOR TO CONSTRUCTION OF WORK.
10. ALL EXISTING UTILITIES SHALL BE RECOVERED TO ORIGINAL DEPTH AND POSITION. ALL UTILITIES SHALL BE RECOVERED TO ORIGINAL DEPTH AND POSITION.
11. CONSTRUCTION SHALL BE RESPONSIBLE FOR RECOVERING AND SETTING ALL NEARBY CONTROL POINTS AND SETTING MARKERS FOR CONSTRUCTION. LOCATION OF WATER & SEWER IS TO BE CORRELATED WITH CITY.
12. ALL STONE AND GRAVEL TO BE MECHANICALLY PLACED.

Job No.: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Scale: 1 of 10

**Battleground Road  
 Erosion Control Project**

Cover Sheet

1/30/07  
 CITY OF CHARLESTON  
 PUBLIC SERVICE DEPARTMENT, ENGINEERING DIVISION  
 75 CALHOUN ST. CHARLESTON, S.C. 29401-3500  
 PHONE: (803) 724-3741

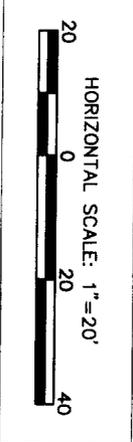
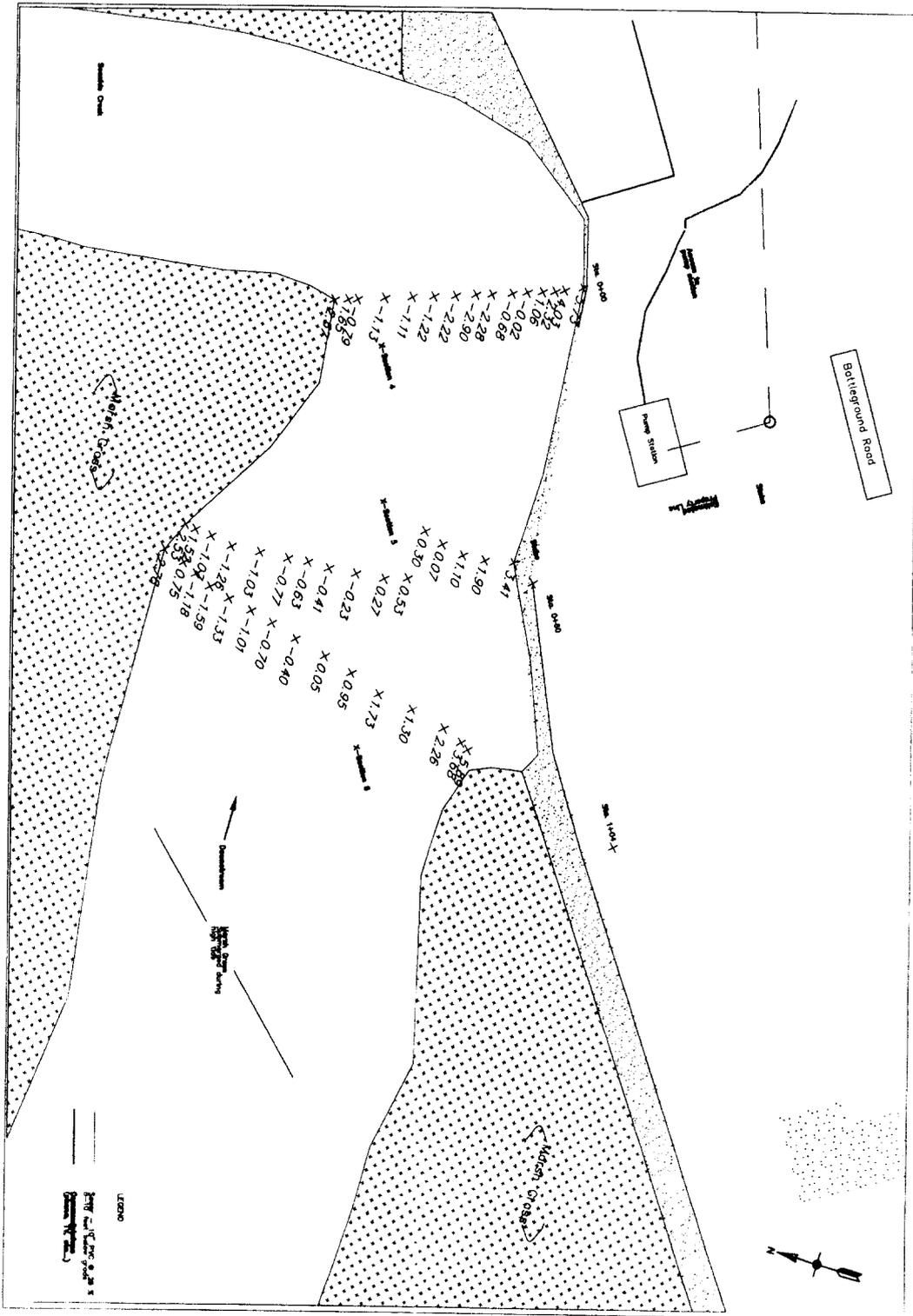
Sheet # 2006-1457-2IR

Checked by: \_\_\_\_\_  
 Drawn by: \_\_\_\_\_  
 Date: \_\_\_\_\_









**Battleground Road  
Erosion Control Project**

**Site 2 Existing Conditions**

1/30/07

**CITY OF CHARLESTON**  
 PUBLIC SERVICE DEPARTMENT, ENGINEERING DIVISION  
 75 CALHOUN ST., CHARLESTON, S.C. 29401-3508  
 PHONE: (803) 724-3761

SACA 2006-1457-2 IR

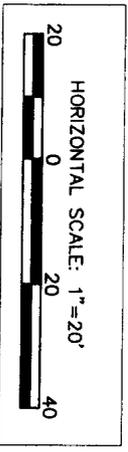
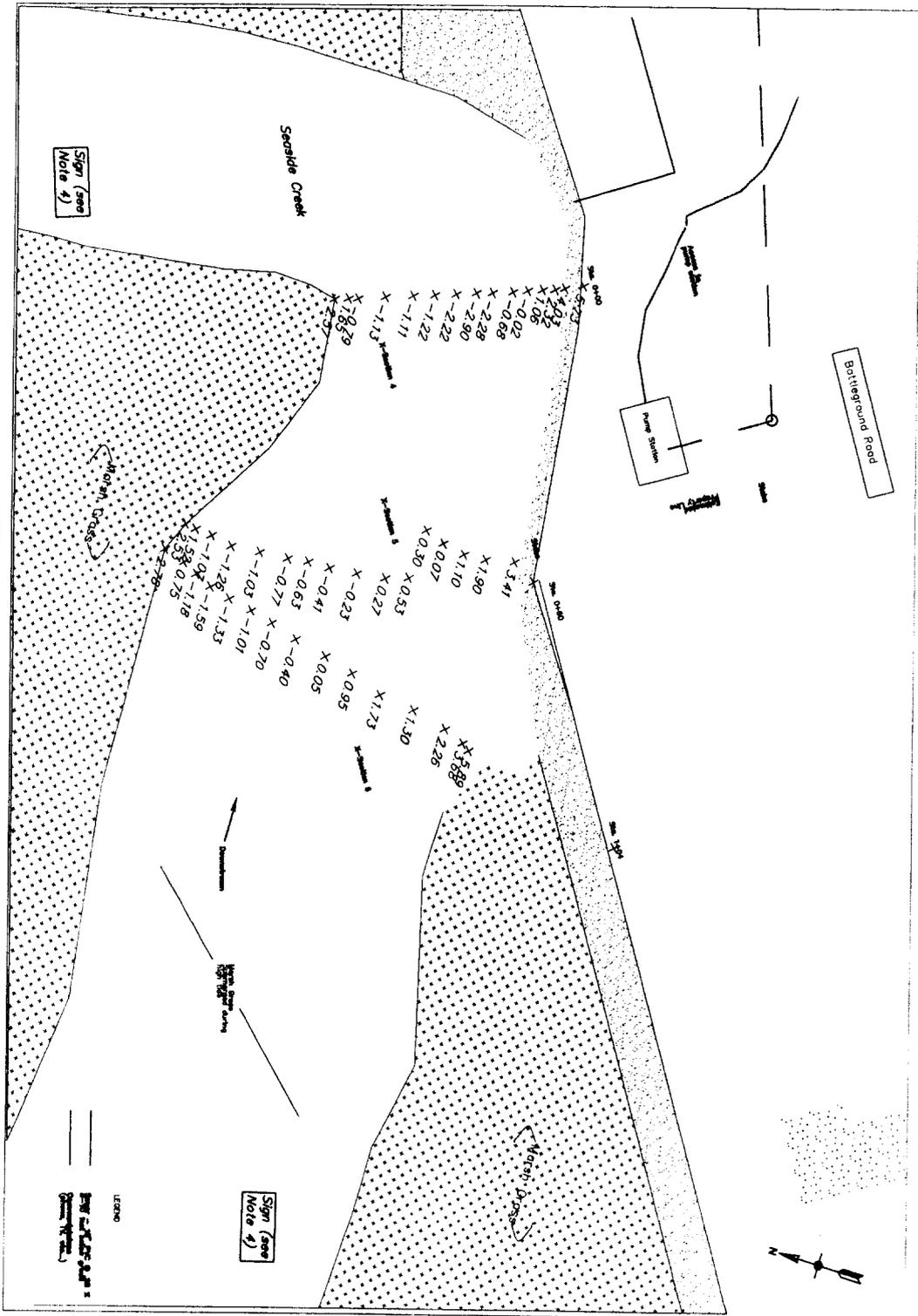
Job No. \_\_\_\_\_

Sheet 4 of 10

Date: \_\_\_\_\_ Revision: N/A

Design  
 Detail  
 Approved  
 Checked  
 Field Notes

Date: \_\_\_\_\_  
 Scale: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Project: \_\_\_\_\_  
 Drawing No.: \_\_\_\_\_



Job No.:	
Sheet No.:	10
Date:	
Revision No.:	
Checked:	
Designed:	
Drafted:	
In Charge:	

**Battleground Road  
Erosion Control Project**

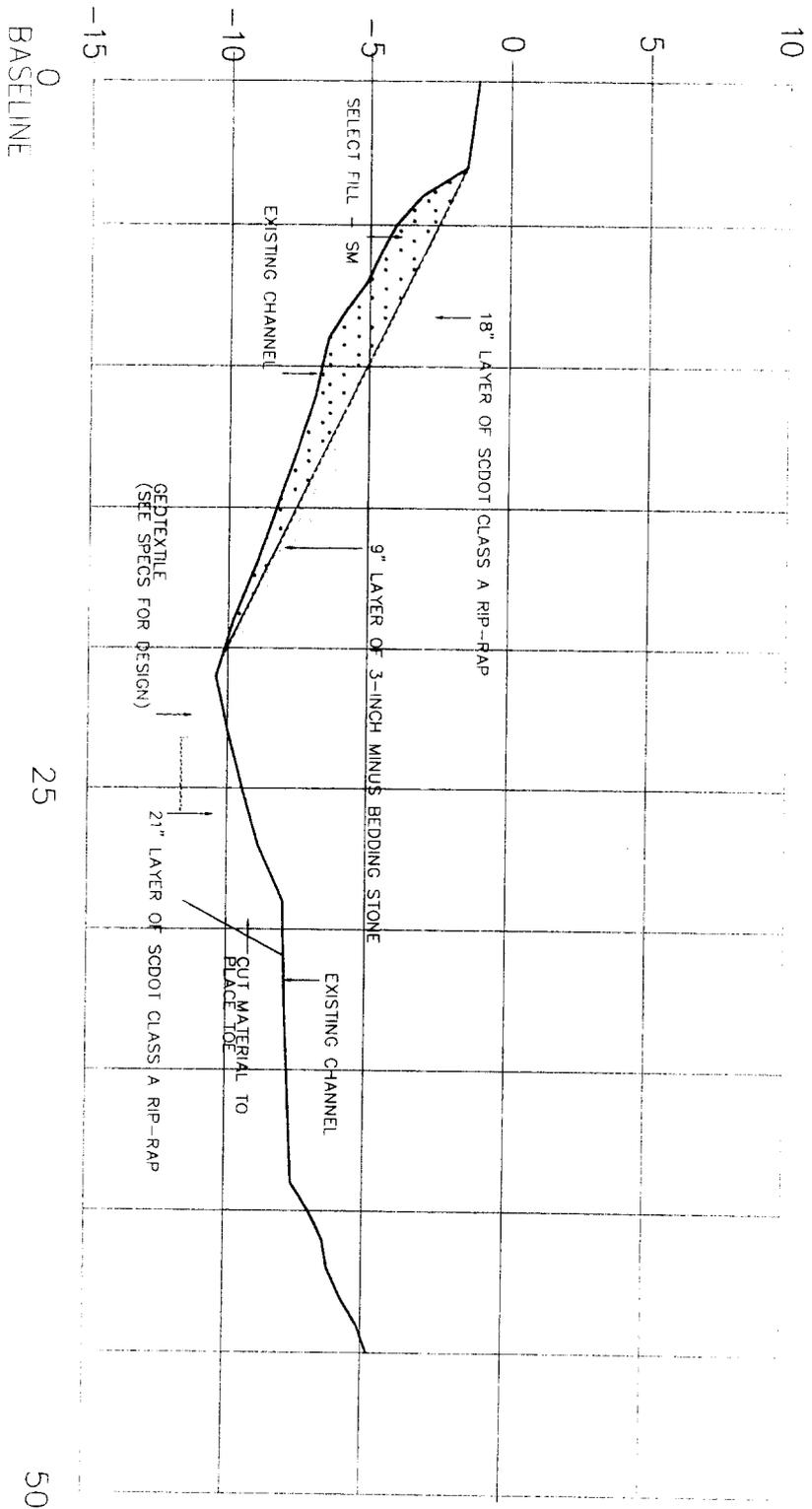
**Site 1 Riprap Armament**

1/30/07  
CITY OF CHARLESTON  
Public Service Department, Engineering Division  
75 CALHOUN ST., CHARLESTON, S.C. 29401-1508  
PHONE: (803) 724-3761

SR# 2006 1457-2ER

NOT TO SCALE  
UNLESS OTHERWISE NOTED  
ALL DIMENSIONS ARE IN FEET AND INCHES  
UNLESS OTHERWISE NOTED  
ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED  
ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED  
ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED





Job No.	
Sheet No.	18
Date	
Revision No.	

**Battleground Road  
Erosion Control Project**

**Typical Riprap  
Cross-Section**



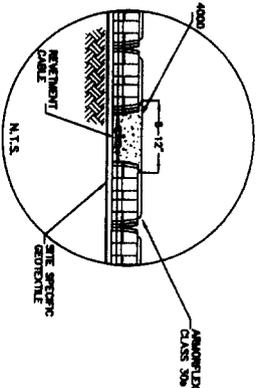
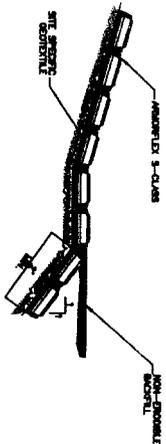
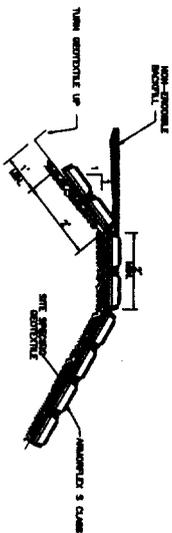
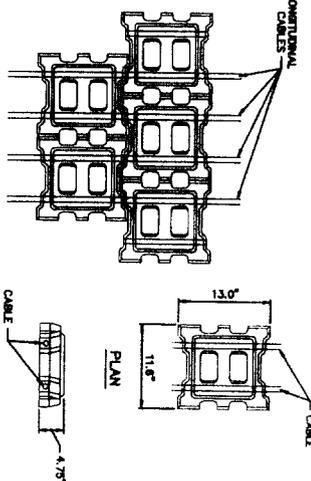
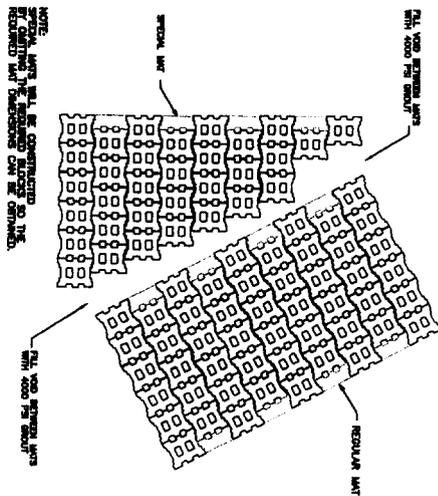
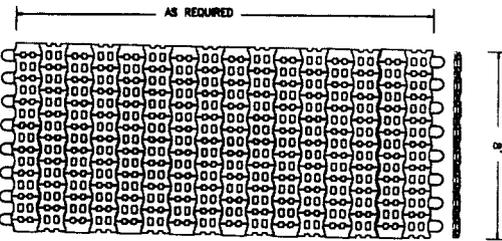
1/30/07

**CITY OF CHARLESTON**

PUBLIC SERVICE DEPARTMENT, ENGINEERING DIVISION  
75 CALHOUN ST., CHARLESTON, S.C. 29401-3006  
PHONE: (803) 724-3761

**SAC# 2006-1457-2FR**

This drawing is the property of the City of Charleston. It is to be used only for the project and location specified. It is not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of the City of Charleston.



DETAIL IV  
TOP OF SLOPE &  
TOP OF SLOPE DETAILS  
NOT TO SCALE

DETAIL II  
SPECIAL MATS  
(TYPICAL DETAIL)  
NOT TO SCALE

DETAIL V  
GROUT SEAM  
MAT TO MAT CONNECTION  
NOT TO SCALE

DETAIL VI  
TRAPEZOIDAL CHANNEL  
CROSS-SECTION  
NOT TO SCALE

DATE	1/30/07
BY	...
CHECKED BY	...
APPROVED BY	...
SCALE	...
PROJECT NO.	...
SHEET NO.	...
TOTAL SHEETS	...

Battleground Road  
Erosion Control Project

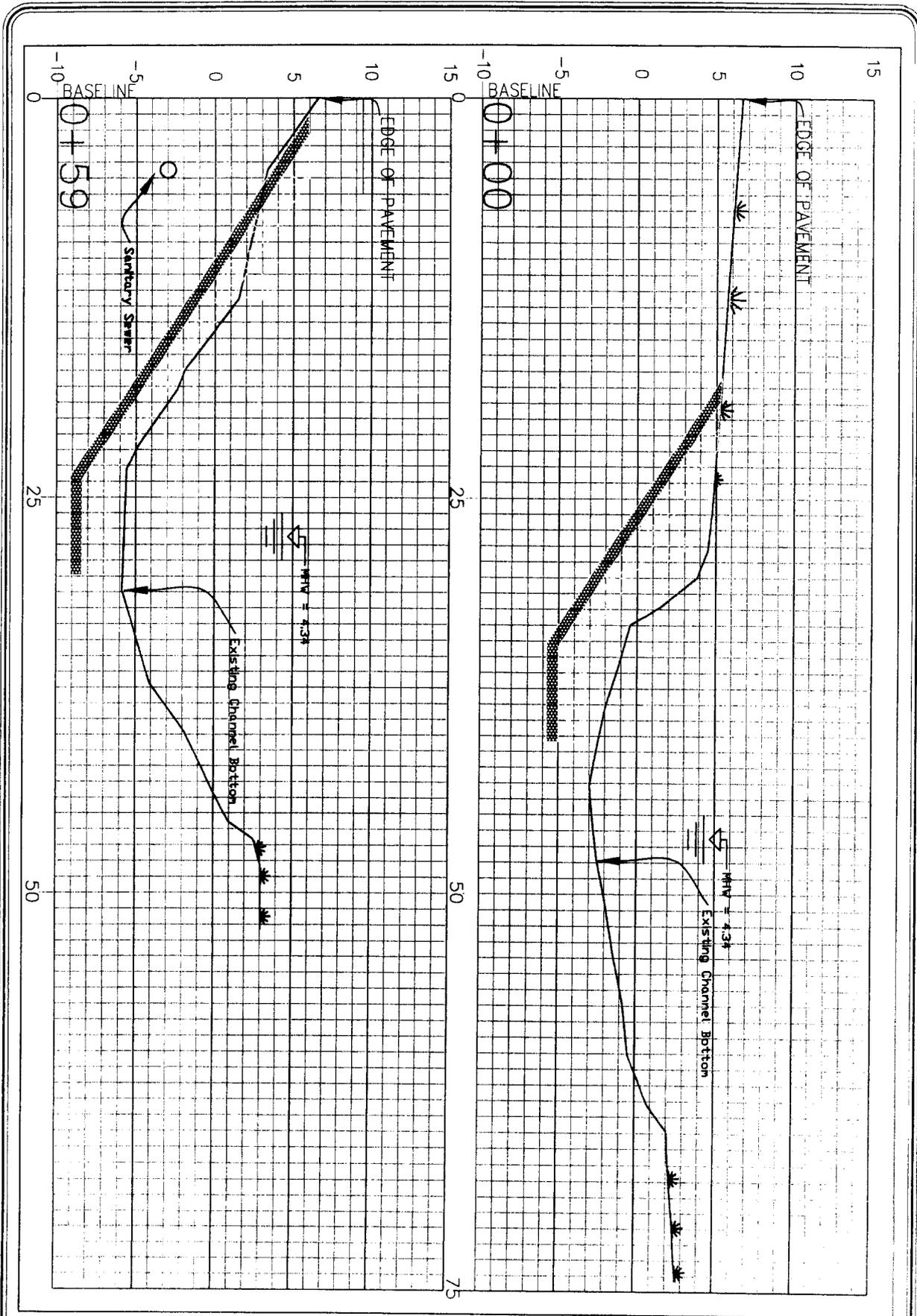
Typical Riprap  
Cross-Section

1/30/07

CITY OF CHARLESTON

SAC # 2006-1457-2 ER

...



Job No. \_\_\_\_\_  
 Sheet 7 of 10  
 Design: \_\_\_\_\_  
 Check: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Revision No. \_\_\_\_\_

**Battleground Road  
 Erosion Control Project**

Cross-Sections 1 and 2

1/30/07

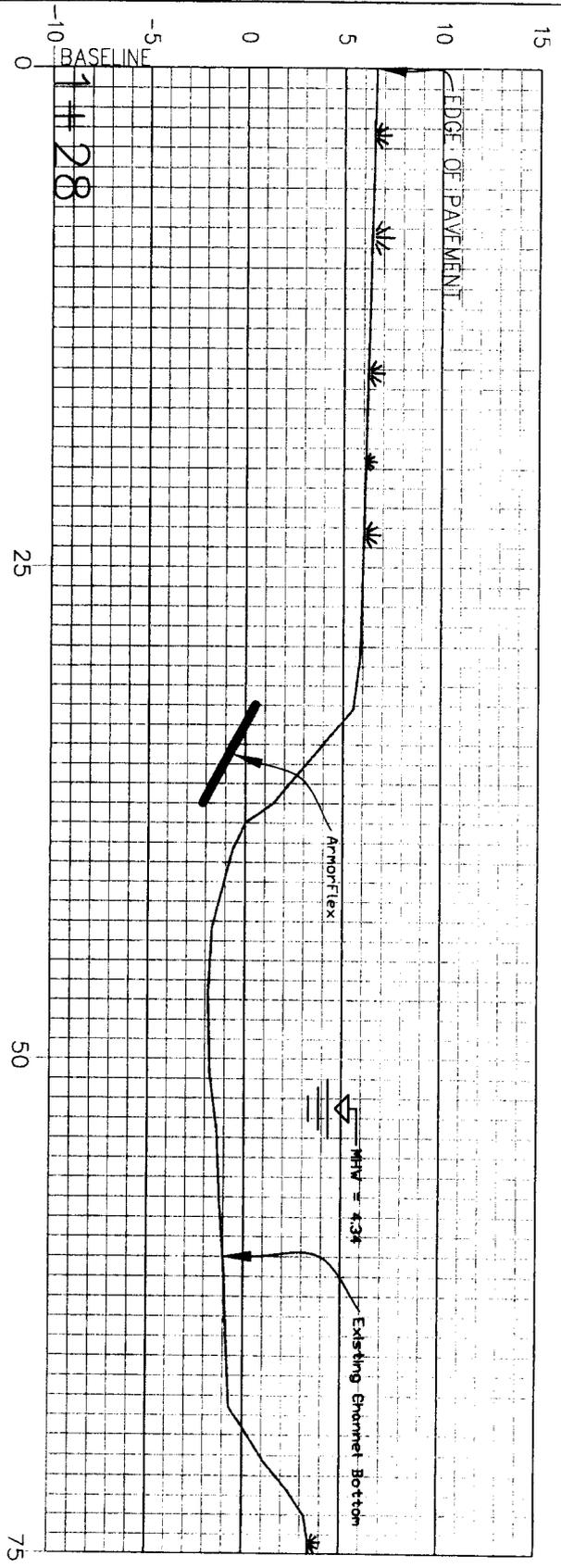
**CITY OF CHARLESTON**  
 PUBLIC SERVICE DEPARTMENT, ENGINEERING DIVISION  
 75 CALHOUN ST., CHARLESTON, S.C. 29401-1508  
 PHONE: (803) 724-3761

SAC # 2006-1457-2JR

Scale: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Drawn by: \_\_\_\_\_  
 Checked by: \_\_\_\_\_







**Battleground Road  
Erosion Control Project**

**Cross Section 3**

1/30/07  
CITY OF CHARLESTON  
PUBLIC SERVICE DEPARTMENT, ENGINEERING DIVISION  
75 CALHOON ST CHARLESTON, S.C. 29401-3504  
PHONE: (803) 724-3781

SACA#2006-1457-2IR

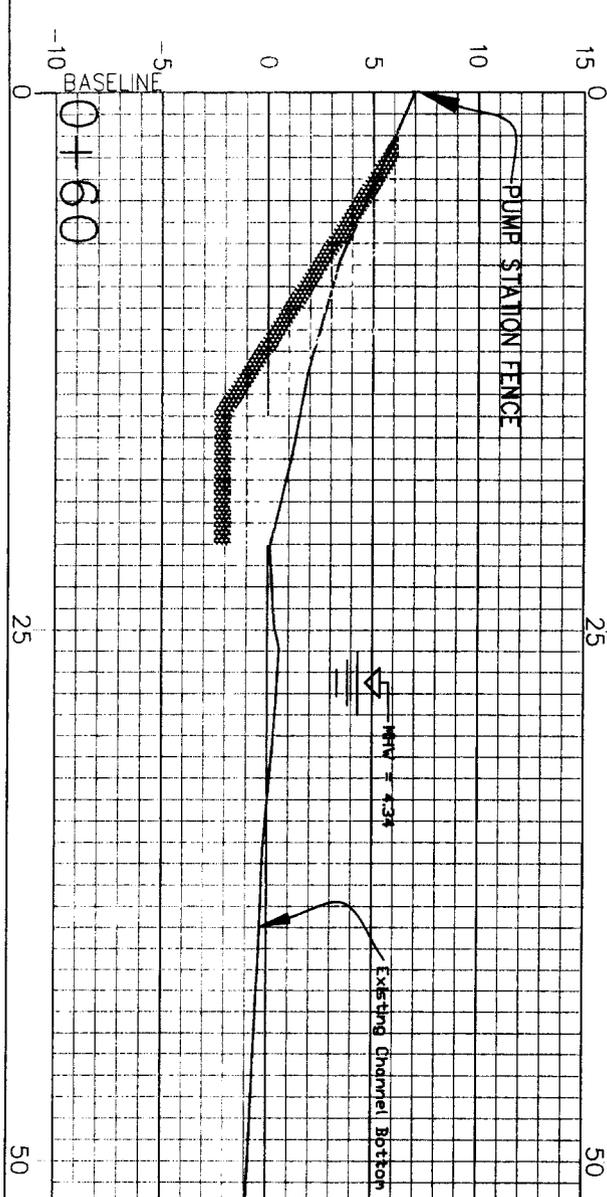
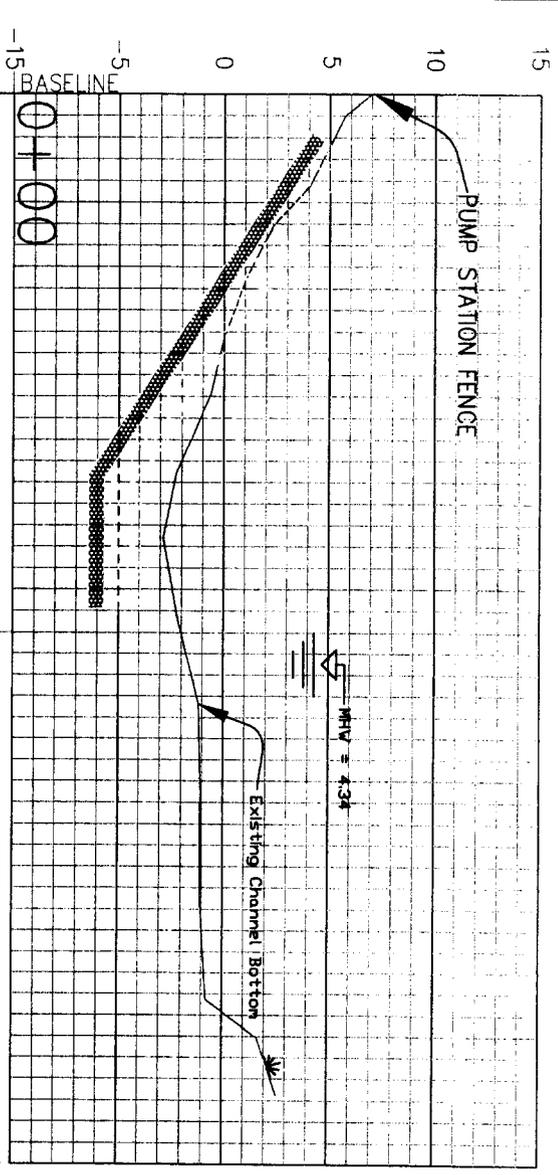
Designer  
 Checker  
 Draftsman  
 Detailer  
 Estimator  
 Surveyor  
 Other

Date: \_\_\_\_\_

Revision No. \_\_\_\_\_

Job No. \_\_\_\_\_

Sheet No. 10



Job No.: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Drawn by: \_\_\_\_\_  
 Checked by: \_\_\_\_\_  
 Approved by: \_\_\_\_\_  
 Revision No.: \_\_\_\_\_

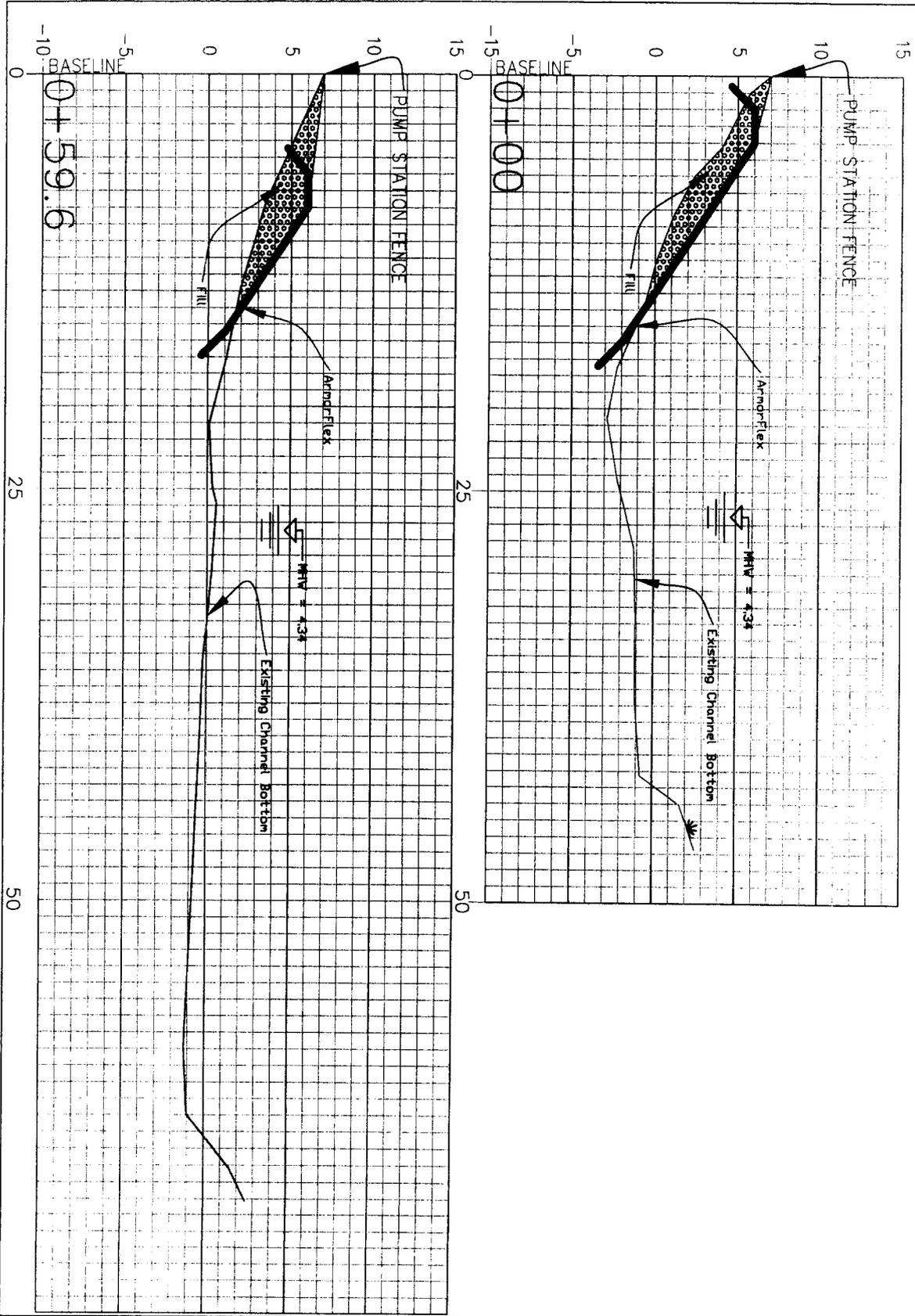
**Battleground Road  
 Erosion Control Project**

Cross-Sections 4 and 5

1/30/07  
 CITY OF CHARLESTON  
 PUBLIC SERVICE DEPARTMENT, ENGINEERING DIVISION  
 75 CALHOUN ST., CHARLESTON, S.C. 29401-3308  
 PHONE: (803) 724-3781

SAC# 2006-1457-2IR

Scale: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Drawn by: \_\_\_\_\_  
 Checked by: \_\_\_\_\_  
 Approved by: \_\_\_\_\_



Job No.	Sheet No. 10
Drawn by	Checked by
Date	Revision No.

**Battleground Road  
Erosion Control Project**

Cross-Sections 4 and 5

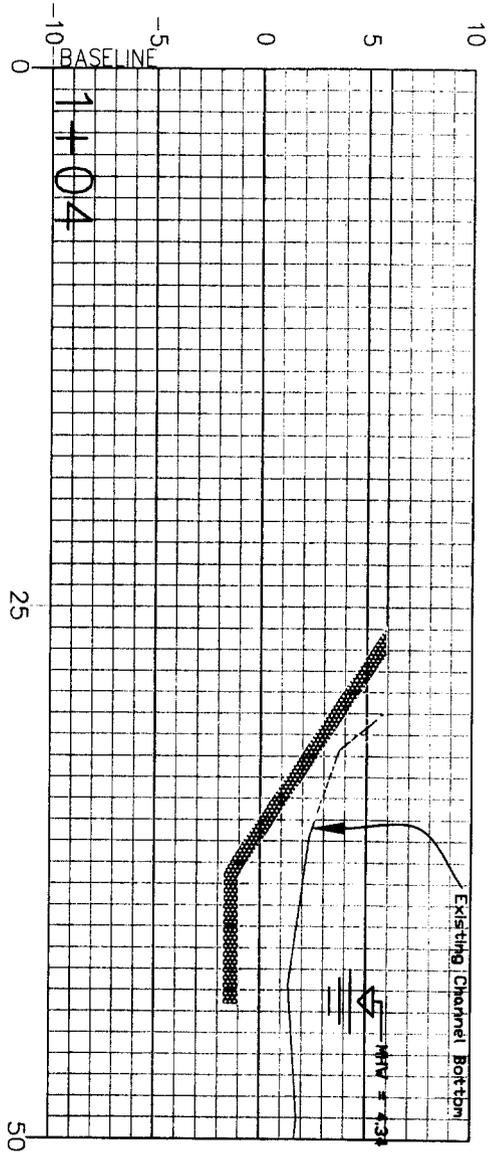
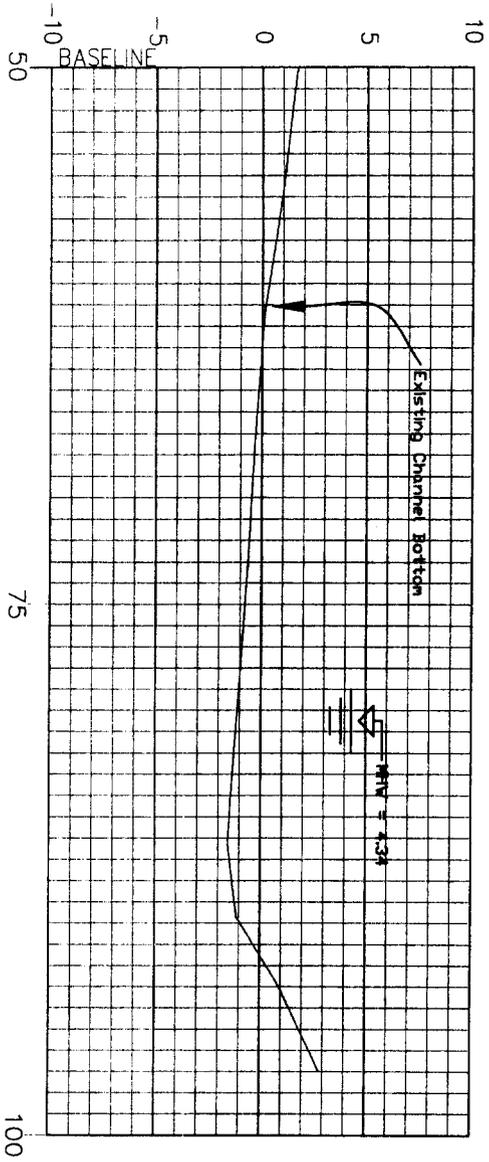
1/30/07

**CITY OF CHARLESTON**  
 PUBLIC SERVICE DEPARTMENT, EROSION CONTROL DIVISION  
 78 CALHOUN ST., CHARLESTON, S.C. 29401-3008  
 PHONE: (803) 724-2761

SAC# 2004-1457-2 IR

Scale: 1" = 10'

North Arrow



Job No.:	
Sheet No.:	18
Date:	
Author:	
Checked:	
Approved:	
Scale:	AS SHOWN

**Battleground Road  
Erosion Control Project**

**Cross-Section 6**

1/30/07  
CITY OF CHARLESTON  
PUBLIC SERVICE DEPARTMENT, ENGINEERING DIVISION  
75 CALHOUN ST., CHARLESTON, S.C. 29401-2000  
PHONE: (803) 724-1781

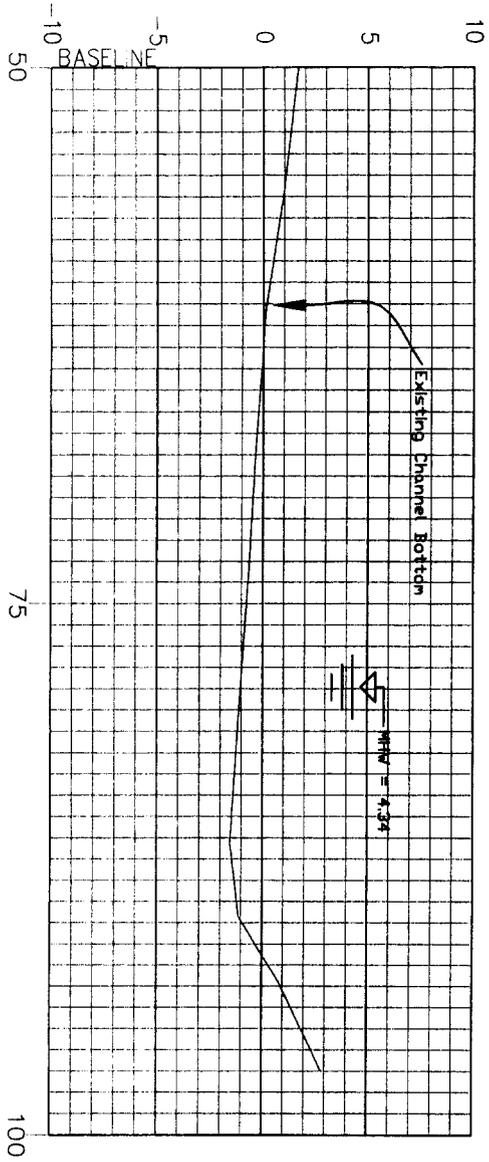
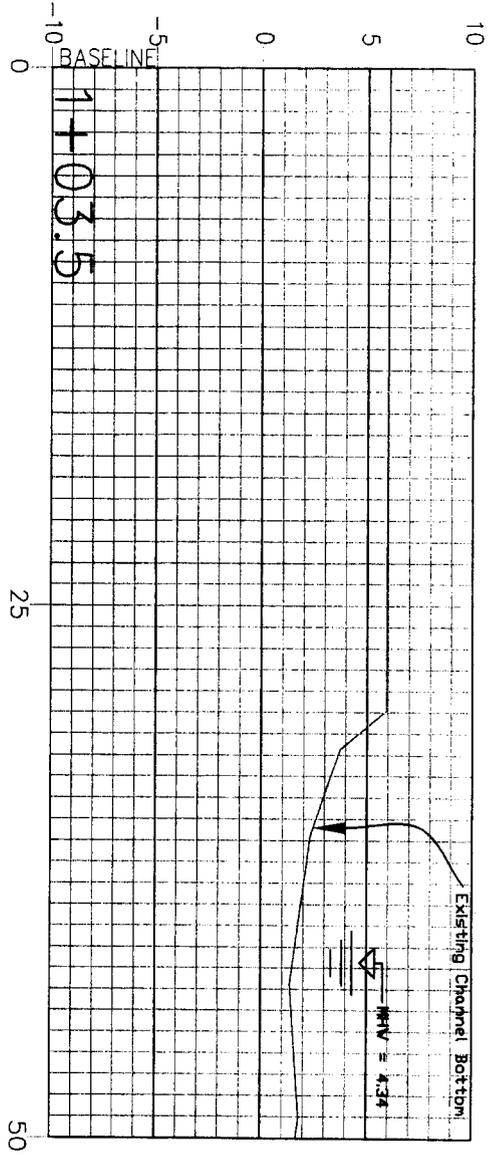
SAC # 2006-1457-2FR

Scale: 1" = 10'-0"

Vertical Scale: 1" = 1'-0"

Horizontal Scale: 1" = 10'-0"

Author: J.L.L.



Job No.:  
 Date:  
 Revision No.:

**Battleground Road  
 Erosion Control Project**

**Cross-Section 6**

1/30/07  
 CITY OF CHARLESTON  
 PUBLIC SERVICE DEPARTMENT, ENGINEERING DIVISION  
 78 CALHOUN ST., CHARLESTON, S.C. 29401-3086  
 PHONE: (803) 724-3761

SAC# 2006-1457-JIR