

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-323-P (Revised)

01 July 2005

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

SC DEPARTMENT OF TRANSPORTATION  
C/O JAY CASHMAN, INC. / TESTA CORPORATION AJV  
222 HUGER STREET  
CHARLESTON, SOUTH CAROLINA 29403

for a permit to place fill material in waters of the

COOPER RIVER AND TOWN CREEK

at locations in and around the footprint of the Grace Memorial and Silas Pearlman Bridges over the Cooper River and Town Creek on US Route 17 North between the City of Charleston and the Town of Mt. Pleasant, Charleston County, South Carolina  
(Latitude: 32.80400°, Longitude: -79.91689°)

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, 18 JULY 2005**

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

This public notice describes revisions to P/N 2004-1W-323 for demolition of the Silas Pearlman and Grace Memorial Bridges. The revisions include the construction of cofferdams around the existing bridge piers to provide access to the pier foundations. In addition, the revisions include the construction of 2 temporary trestles. A 50' x 25' trestle will be located on the Cooper River side of Drum Island, and a 1250' x 30' trestle will be located on the Cooper River side of Mt. Pleasant. Further, approximately 4315 linear feet of temporary earthen causeways will be constructed on Drum Island to provide access for the demolition equipment used in razing of the two bridges. These causeways will be approximately 25 feet wide, 3 feet thick and be constructed of biaxial geogrid under an aggregate base course compacted to 95% of its maximum

density. Silt fencing will be constructed along the perimeter of all temporary earthen causeways. Following construction, wetlands impacted by the trestles or causeways will be restored to their original condition. All other details related to P/N 2004-1W-323 remain the same.

**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 approximately 1.0 acre 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.

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.

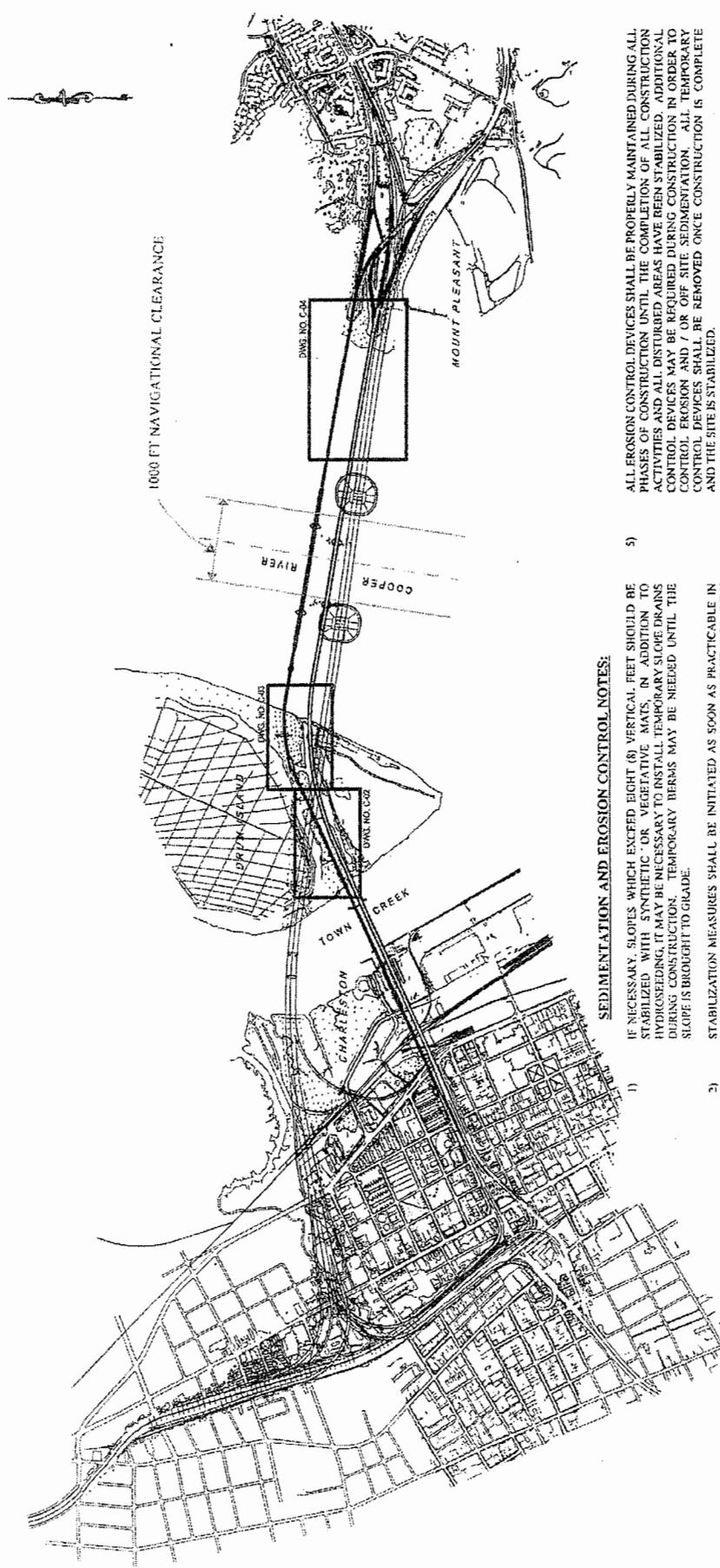
The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the activity on the public interest and will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency (EPA), under authority of Section 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.



Robin D. Coller-Socha  
Project Manager  
Regulatory Division  
U.S. Army Corps of Engineers



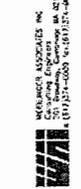
**SEDIMENTATION AND EROSION CONTROL NOTES:**

- 1) IF NECESSARY, SLOPES WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS. IN ADDITION TO HYDROSEEDING, IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
- 2) STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN (14) DAYS AFTER WORK HAS CEASED, UNLESS ACTIVITY IN THAT PORTION OF THE SITE WILL RESUME WITHIN TWENTY-ONE (21) DAYS.
- 3) ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY SEVEN (7) DAYS OR AFTER EACH SIGNIFICANT OCCURRENCE THAT EXCEEDS ONE (1) HALF (1/2) INCH. DAMAGE OR INEFFECTIVE DEVICES SHALL BE REPAIRED OR REPLACED, AS NECESSARY.
- 4) PROVIDE SILT FENCE AND / OR OTHER CONTROL DEVICES AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION.
- 5) ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND / OR OFF SITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
- 6) THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO THE PAVED ROADWAY CONSTRUCTION AREAS. THE CONTRACTOR SHALL DAILY REMOVE MUD, SOIL FRONT PAVEMENT, AS MAY BE REQUIRED.
- 7) TEMPORARY DIVERSION BERMS AND / OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND / OR TO DIVERT SEDIMENT LADEN WATER TO APPROPRIATE TRAPS OR STABLE OULETS.

REV. 1 06-27-2005



A Teco International Ltd. Company



WETLANDS ASSOCIATES, INC.  
3515 Northpark Drive, Suite 100  
Charlotte, NC 28217  
Tel: (704) 521-2008 Fax: (704) 521-4616



CASHMAN  
Jay Cashman, Inc. / Tests Corp.  
A JOINT VENTURE



Reclamation of the Coxa Memorial Bridge  
and the Blaise Pearson Bridge over the  
Cooper River  
A DESIGN MUDRO PROJECT  
South Carolina Department of Transportation (SCDOT)

**SEDIMENT AND EROSION  
CONTROL PLAN - SITE PLAN**

DATE PLOTTED: No. C-01





Wetlands Impact	
Area	Acres
4	0.09
5	0.38
<b>Total Wetlands Impacted On Sheet</b>	
	<b>0.47</b>

- LEGEND**
- TEMPORARY EARTHEN CAUSEWAY
  - TEMPORARY WETLANDS IMPACT
  - TEMPORARY STRUCTURAL TRESTLE
  - SF — SILT FENCE

**EarthTech**  
A Tyco International Ltd. Company

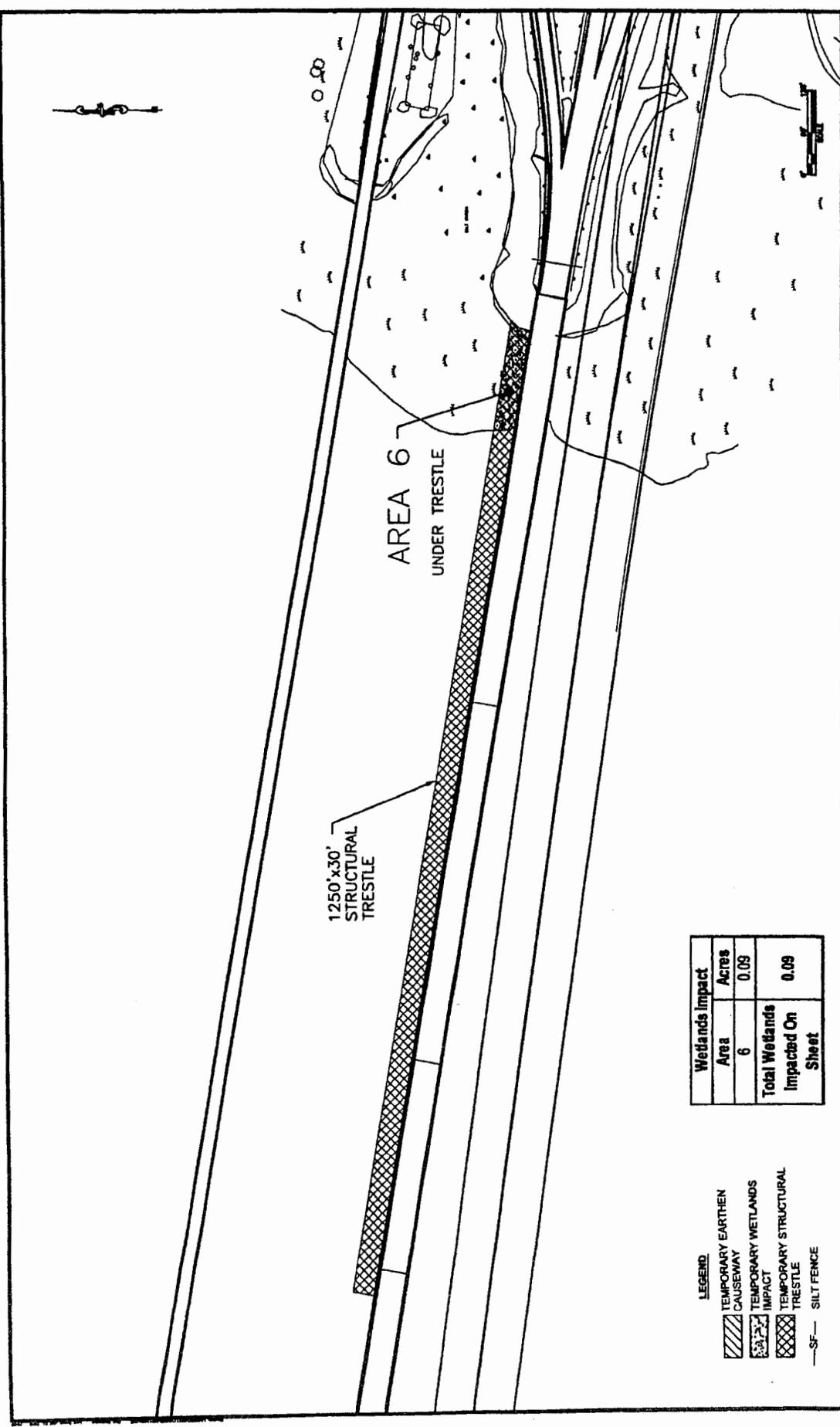
**SEDIMENT AND EROSION CONTROL PLAN — SHEET 2**

**WOLKOVIC ASSOCIATES, INC.**  
Sediment Control Design  
(817)334-2000 wv@10/21/2010

**Jay Cullinan, Inc. / Tech Corp.**  
A JOINT VENTURE

Continuation of the Grace Memorial Bridge and the Bill Peacock Bridge over the Cooper River  
A MEMORANDUM PROJECT  
South Carolina Department of Transportation (SCDOT)

DATE: 10/21/10  
C-03



1250'x30'  
STRUCTURAL  
TRESTLE

AREA 6  
UNDER TRESTLE

Wetlands Impact	
Area	Acres
6	0.09
Total Wetlands Impacted On Sheet	
0.09	

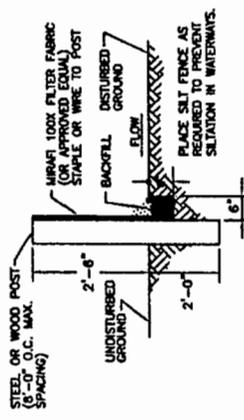
- LEGEND**
- TEMPORARY EARTHEN CAUSEWAY
  - TEMPORARY WETLANDS IMPACT
  - TEMPORARY STRUCTURAL TRESTLE
  - SF - SILT FENCE

SEDIMENT AND EROSION  
CONTROL PLAN - SHEET 3

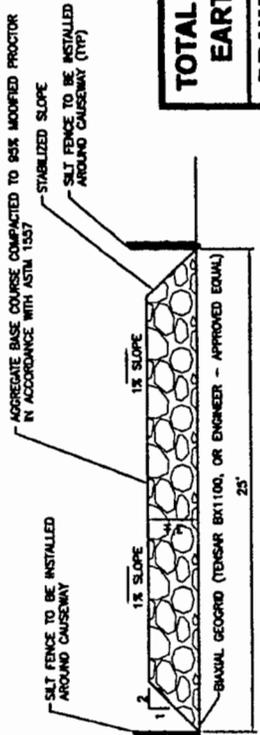
Division of the Grace Memorial Bridge  
and the Bill Peurman Bridge over the  
Cooper River  
A DESIGN-BUILD PROJECT  
South Carolina Department of Transportation (SCDOT)



DATE: 08/11/04  
DRAWING NO: C-04



**TYPICAL SILT FENCE DETAIL**  
NOT TO SCALE



**EARTHEN CAUSEWAY DETAIL**  
NOT TO SCALE

TOTAL REQUIRED FILL FOR EARTHEN CAUSEWAYS	
DRAWING NO.	FILL (CY)
C-02	4986
C-03	4125
C-04	0
<b>TOTAL</b>	<b>9111</b>

ALL SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND AFTER ANY STORM EVENT OF GREATER THAN 0.5 INCHES OF PRECIPITATION DURING ANY 24-HOUR PERIOD. ALL SEDIMENT CONTROL FEATURES SHALL BE MAINTAINED UNTIL FINAL STABILIZATION HAS BEEN OBTAINED.

STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED, UNLESS ACTIVITY IN THAT PORTION OF THE SITE WILL RESUME WITHIN 21 DAYS.

THE FOLLOWING SEEDING SCHEDULES SHALL BE USED TO ESTABLISH GRASS COVER:

SEEDING SCHEDULES FOR TEMPORARY VEGETATION UPPER AND LOWER STATE

SCHEDULE NO.	COMMON NAME OF SEED	LIBS PER ACRE RATE	PLANTING DATES
1	ANNUAL SUDAN GRASS (STREET OF TRFT)	40	APRIL 1 - AUGUST 15
3	ANNUAL RYE GRASS	15	AUGUST 16 - MARCH 31

SEEDING SCHEDULES FOR PERMANENT VEGETATION - LOWER STATE

SCHEDULE NO.	COMMON NAME OF SEED	LIBS PER ACRE RATE		PLANTING DATES
		RURAL RATE	URBAN RATE	
1	COMMON BERBERIDA (MULLED) ANNUAL RYE GRASS	0	60	MARCH 1 - AUGUST 14
2	COMMON BERBERIDA (UNMULLED) RESEEDING CRIMSON CLOVER ANNUAL RYE GRASS	0	90	AUGUST 15 - FEBRUARY 28

- 1 INCLUDES RURAL AREAS ADJACENT TO WELL-DEVELOPED LAINRS. USE FOR THIS PROJECT.
- 2 GANT BERBERIDA SEED, INCLUDING INC-37, SHALL NOT BE USED.
- 3 RESEEDING CRIMSON CLOVER SHALL BE INOCULATED IN ACCORDANCE WITH SUBSECTION 810.05 OF STANDARD HIGHWAY SPECIFICATIONS.
- 4 APPLY BY MECHANICAL MEANS IN TWO PASSES AT RIGHT ANGLES TO EACH OTHER.

**SEEDING SCHEDULE**

WILCOX ASSOCIATES INC  
2000 W. 10th Street, Suite 100, Oklahoma City, OK 73106  
(405) 231-1000

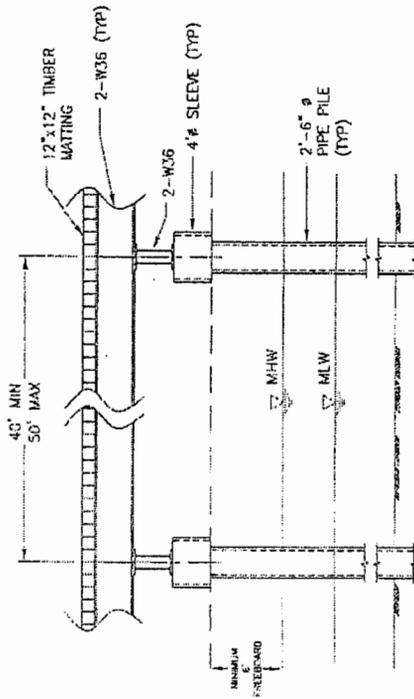
CMAA CONSULTANTS  
Jay Chapman, Inc. / T&E Corp.  
A JOINT VENTURE

**Earth Tech**  
A Tyco International Ltd. Company

Definition of the Grace Memorial Bridge and the Blue Pegasus Bridge over the Clogher River  
A DESIGN-BUILD PROJECT  
South Carolina Department of Transportation (SDOT)

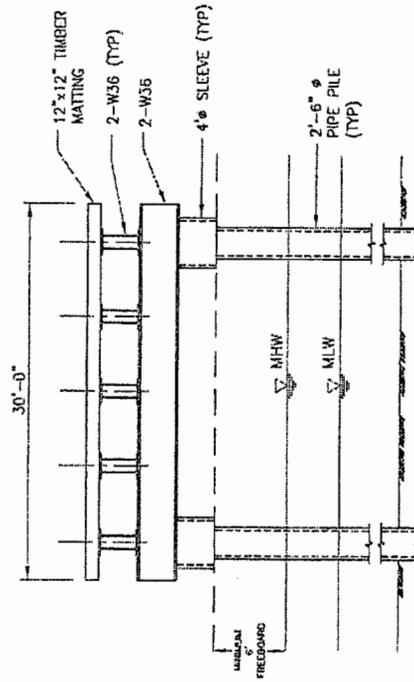
**SEDIMENT AND EROSION CONTROL PLAN - DETAIL SHEET**

PLANNED BY: **C-05**



SPAN LENGTH

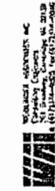
TYPICAL TRESTLE PROFILE 1



WIDTH

TYPICAL TRESTLE 2

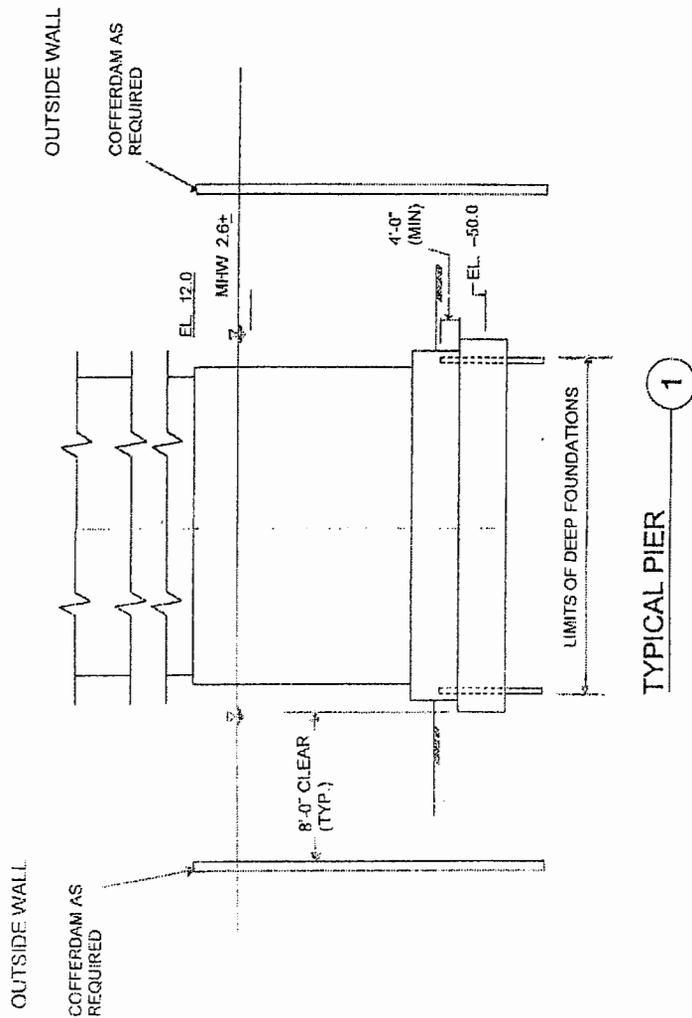
REV. 1 06-27-2005



Division of State Natural Bridges  
and the State Natural Bridge - 1994  
Cape Fear River  
A DEPENDABLE PRODUCT  
South Carolina Department of Transportation (SDOT)

SEDIMENT AND EROSION  
CONTROL PLAN - DETAIL SHEET

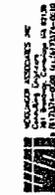
EXHIBIT 10  
C-06



FOR BRIDGE PIER REMOVAL

TYPICAL PIER 1

REV. 1 06-27-2005



Division of the State Thruway Authority  
and the State Thruway Bridge over the  
Carpenter River  
A SEQUENCIAL PROJECT  
South Carolina Department of Transportation (SCDOT)

SEDIMENT AND EROSION  
CONTROL PLAN - DETAIL SHEET

DATE: 06-27-05  
C-07