STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

June 9, 2006

United States Army Corps of Engineers
Regulatory Field Office
Post Office Box 1000
Washington, NC 27899-1000

ATTN: Mr. William Westcott
NCDOT Coordinator-Division 2

SUBJECT: **Permit Modification Request for a Nationwide 6 Permit:**
US 17 From South of SR 1149 (Price Road) to US 17 South of SR 1536 (Hamilton Beach Road), Beaufort, North Carolina; TIP Project R-2510B; Federal Aid Project No. MAF-75-3(26); WBS Element 34440.1.1

REFERENCE: Nationwide 6 Permit issued May 10, 2005. US Action ID 200510771

Dear Mr. Wescott,

The purpose of this letter is to request a permit modification to the Nationwide 6 Permit issued May 10, 2005. The work detailed below is in addition to the investigation permitted in the above referenced permit.

As you are aware, The North Carolina Department of Transportation (NCDOT) is planning to build a bridge on new location within the project limits of the proposed Washington Bypass in Beaufort County, North Carolina. The proposed bridge will cross the Tar River north of the town of Washington on NC 17.

The NCDOT Geotechnical Engineering Unit is in the process of coordinating a site characterization investigation for the revised design of a structure on the above referenced roadway project. The revised design area is within the wetlands adjacent to the Tar River and Kennedy's Creek. There will also be three (3) test piles driven in the Tar River.

A private engineering firm (PEF) will be conducting the investigation with 11 soil borings to be performed on the project. All of the borings will fall within the footprint of the proposed structure over the wetlands adjacent to the Tar River and Kennedy's Creek. These locations are shown on the attached Drawing #1.

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS
1548 MAIL SERVICE CENTER
RALEIGH NC 27699-1548

TELEPHONE: 919-733-3141
FAX: 919-733-9794

WEBSITE: www.ncdot.org

LOCATION:
TRANSPORTATION BUILDING
1 SOUTH WILMINGTON STREET
RALEIGH NC

The borings in the wetland will be performed with a low ground pressure tracked drill rig. The land borings will be 3-inch to 4-inch in diameter. All disturbances from the borings should be limited to within a 2-foot radius of the boring location. The maximum total amount of ground disturbance expected for the borings is 140 ft^2.

Three (3) test piles will be driven in the Tar River from a barge and are shown on the attached Drawing #2. The piles will consist of 30-inch square, precast and prestressed concrete. The test piles will be driven with no jetting. All piles will be cut off 1 foot below the mudline of the Tar River at the completion of the test pile program, which would require some disturbance of the riverbed. The maximum area that may be disturbed from the test pile driving and removal is estimated to be 525 ft^2.

Therefore, the maximum total amount of ground disturbance expected for all of the site characterization investigation (borings and test pile) is 665 ft^2.

Because this area is located in sensitive waters, an in-water moratorium exists between February 15 through June 15. All in-stream work will take place outside the moratorium dates.

If you have any questions or would like additional information, please call Mr. Chris Underwood at (919) 715-1451. Thank you in advance for your help in this matter.

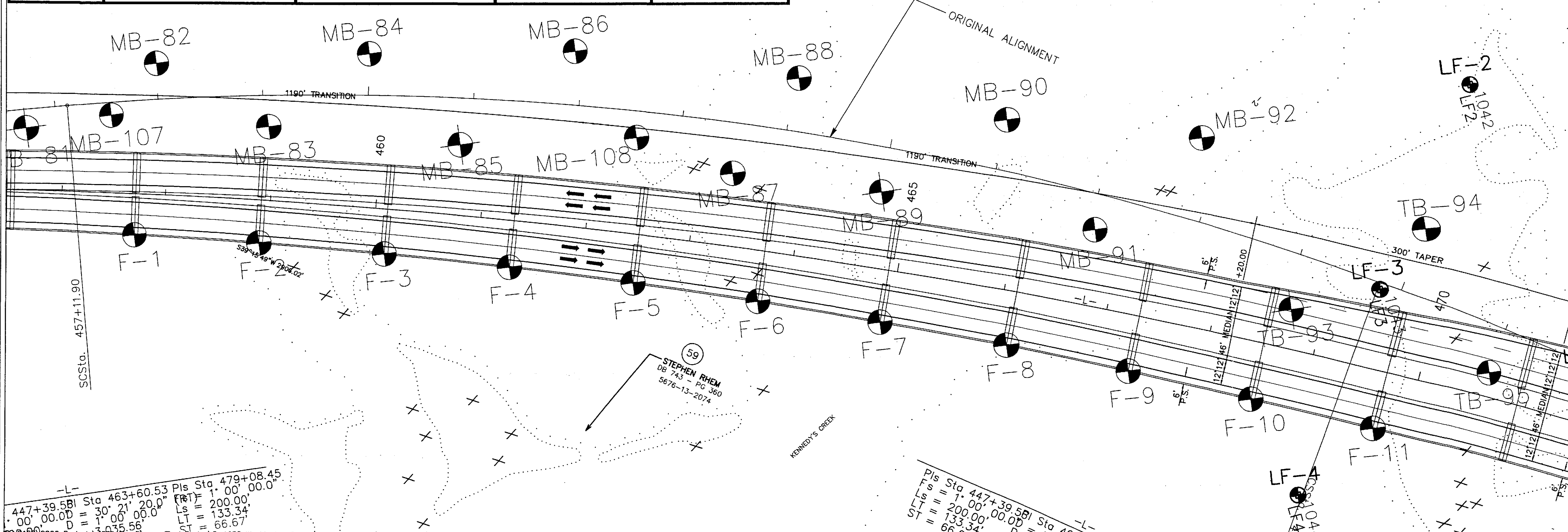
Sincerely,

Gregory J. Thorpe, Ph.D.
Environmental Management Director
Project Development and Environmental Analysis Branch

CC: W/attachment
Mr. John Hennessy, NCDWQ (2 copies)
Mr. Travis Wilson, NCWRC
Mr. Gary Jordan, USFWS
Mr. Ron Sechler, NMFS
Mr. Michael Street, NCDMF
Mr. Steve Sollod, NCDCM
Mr. Bill Arrington, NCDCM
Dr. David Chang, P.E., Hydraulics
Mr. Greg Perfetti, P.E., Structure Design
Mr. Mark Staley, Roadside Environmental
Mr. Njoroge W. Wainaina, P.E., Geotechnical Unit
Mr. C. E. Lassiter, P.E., Division 2 Engineer
Mr. Jay Johnson, Divison 2 Environmental Officer
Mr. Rodger Rochelle, P.E., NCDOT Alternate Delivery Unit

W/o attachment
Mr. Scott McLendon, USACE, Wilmington
Mr. Jay Bennett, P.E., Roadway Design
Mr. Majed Alghandour, P. E., Programming and TIP
Mr. Art McMillan, P.E., Highway Design
Mr. Brian Yamamoto, P.E., PDEA Project Planning Engineer

Boring	Latitude	Longitude	Station	Offset
F-1	35° 33' 17.10159"	77° 4' 45.40907"	457+72	38.4 RT
F-2	35° 33' 18.21173"	77° 4' 44.92413"	458+92	39.9 RT
F-3	35° 33' 19.31299"	77° 4' 44.41098"	460+12	42.3 RT
F-4	35° 33' 20.41304"	77° 4' 44.38493"	461+32	43.3 RT
F-5	35° 33' 21.48697"	77° 4' 43.30108"	462+52	45.5 RT
F-6	35° 33' 55.55875"	77° 4' 42.70484"	463+72	47.0 RT
F-7	35° 33' 23.61977"	77° 4' 42.08144"	464+92	48.6 RT
F-8	35° 33' 24.66957"	77° 4' 41.43117"	466+12	50.8 RT
F-9	35° 33' 25.70769"	77° 4' 40.75434"	467+32	51.9 RT
F-10	35° 33' 26.73585"	77° 4' 40.05603"	468+52	53.6 RT
F-11	35° 33' 27.7579"	77° 4' 39.34489"	469+72	53.3 RT



MACTEC

MACTEC ENGINEERING AND CONSULTING, INC.
3301 ATLANTIC AVENUE RALEIGH, NORTH CAROLINA

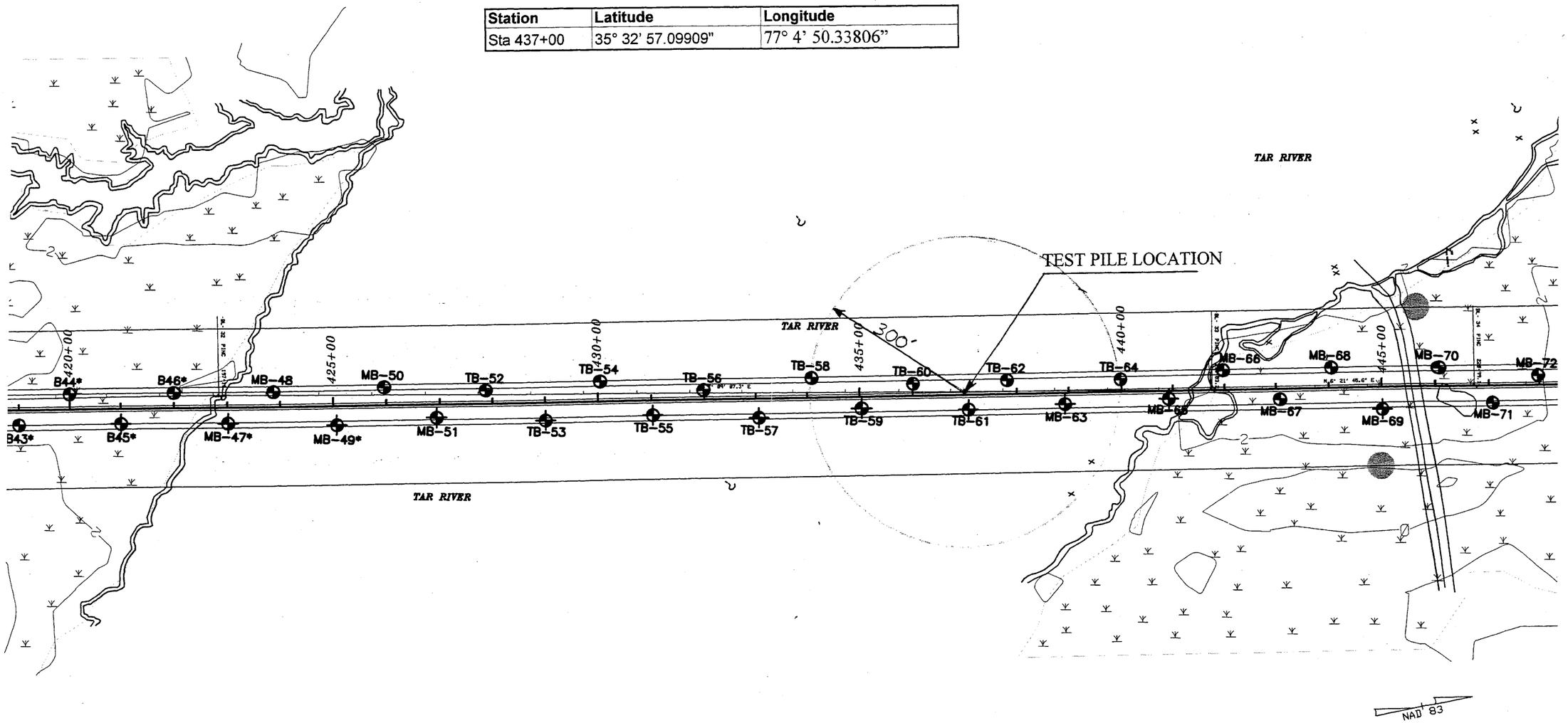
0 50 100 200
SCALE IN FEET
1"=100'

FINAL BORING LOCATIONS
WASHINGTON BY-PASS
T.I.P. R-2510B
BEAUFORT, NORTH CAROLINA

DRAWN: A.R.T.	DATE: MAY 2006	DRAWING	
DFT CHECK: G.J.K.	SCALE: 1" = 100'-0"	1	
APPROVAL: BJC 5/26/06	JOB No.: 6468-06-1355		

REFERENCE:

Station	Latitude	Longitude
Sta 437+00	35° 32' 57.09909"	77° 4' 50.33806"



P:\6468\2006 Projects\1355 Wa. Bypass Final Design\5-1053 Washington Bypass old information\Design-Build\r2510b_rdy_ain_old_new.dwg Thu, 25 May 2006 - 11:18am arthompson

MACTEC

MACTEC ENGINEERING AND CONSULTING, INC.
3301 ATLANTIC AVENUE RALEIGH, NORTH CAROLINA

0 100' 200' 400'
SCALE IN FEET
1"=200'

TEST PILE LOCATIONS
WASHINGTON BY-PASS
T.I.P. R-2510B
BEAUFORT, NORTH CAROLINA

DRAWN:	A.R.T.	DATE:	MAY 2006
DFT CHECK:	G.J.K.	SCALE:	1" = 200'-0"
APPROVAL:	DPC 5/25/06	JOB No.:	6468-06-1355

DRAWING 2

REFERENCE: