



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

March 8, 2004

U.S. Army Corps of Engineers
Regulatory Field Office
Post Office Box 1890
Wilmington, NC 28402-1890

Attention: Mr. Dave Timpy
NCDOT Coordinator

Dear Sir:

SUBJECT: Request to modify Section 404 Permit and Section 401 Water Quality Certification: New Hanover County, Proposed Wilmington Bypass from US 421 to I-40, including a new bridge over Northeast Cape Fear River: Federal Aid Project No. STPNHF-17(1), State Project Number No. 8.U250901, TIP No. R-2633C, WQC Project No. 000072, (Certification No. 3299), CAMA Major Development Permit No. 130-00, WBS No. 324491.1.3.

The North Carolina Department of Transportation (NCDOT) proposes to modify its activities in jurisdictional areas in portions of R-2633 C. With this letter, a request is hereby made to modify the Department of Army Permit No. 199403552 for authorization of permanent impacts at Bents 40 and 43. Furthermore, by copy of this letter, the Department is also requesting authorization and modification by the Division of Water Quality (WQC Project No. 000072) for these additional permanent impacts

NCDOT is requesting authorization to leave 12 - 24" pipe piles that are required to support the forms for the last pour at either end of the segmental section of bridge that spans over the west channel of the Northeast Cape Fear River. These twelve piles can not be extracted after the final pour is completed because of overhead constraints created by the permanent structure. The contractor is proposing to cut these piles off at the mud line and fill the remaining section of pipe with sand and cap them off with concrete to prevent injury to wildlife.

There will be 6 piles driven 3.365 m from and parallel with the end of the footer at Bents 40 (~ Sta. 34+00) & 43 (~ Sta. 37+00). These piles will be located inside the footprint of the temporary work trestle which was permitted as temporary impacts, however since the piles can not be extracted they will become permanent impacts. The proposed work will create 0.001 acres (37.7 sq. ft) of additional permanent impacts on this project. NCDOT acknowledges that all existing permit conditions are to be enforced during the construction of these forms.

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

We apologize for any inconveniences and we appreciate your assistance with this matter. In meetings with the project engineer and contractor on this project, it has been determined that this is the typical technique used to construct a segmental section and should have been taken into consideration in the original permit application.

In compliance with Section 143-215.3D(e) of the NCAC we have provided a method of debiting \$200 as payment for processing the modification of the North Carolina Department of Natural Resources Section 401 Water Quality Certification. We have requested a modification to the Department of Coastal Management under separate cover.

If you have any questions or need additional information please contact Ms. Rachelle Beaugard of my staff at (919) 715-1383.

Sincerely,

A handwritten signature in black ink, appearing to read "Gregory J. Thorpe". The signature is written in a cursive style with a horizontal line extending to the right.

Gregory J. Thorpe, Ph.D.
Environmental Management Director, PDEA

cc: Mr. Bill Arrington, NCDRCM
Ms. Cathy Brittingham, NCDRCM
Mr. David Franklin, USACE, Wilmington (cover letter only)
Mr. John Hennessy, NCDWQ
Mr. Travis Wilson, NCWRC
Ms. Becky Fox, USEPA
Mr. Gary Jordan, USFWS
Mr. Ron Sechler, NMFS
Mr. Michael Street, NCDMF
Mr. John F. Sullivan, III, FHWA
Mr. Jay Bennett, P.E., Roadway Design
Mr. Omar Sultan, Programming and TIP
Mr. Art McMillian, P.E., Highway Design
Mr. David Chang, P.E., Hydraulics
Mr. Greg Perfetti, P.E., Structure Design
Mr. Mark Staley, Roadside Environmental
Mr. H. Allen Pope, P.E., Division 3 Engineer
Mr. Mason Herndon, Division 3 Environmental Officer

Date: 11/27/02
 Drawn by: J. J. Janssen
 Checked by: J. J. Janssen

REVISION:	DATE:
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JANSSEN & SPANS ENGINEERING, INC.
 CONSULTING ENGINEERS
 9155 HARRISON PARK COURT
 INDIANAPOLIS, INDIANA 46216
 BUS. (317) 254-9686
 FAX. (317) 259-8262

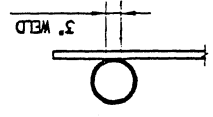
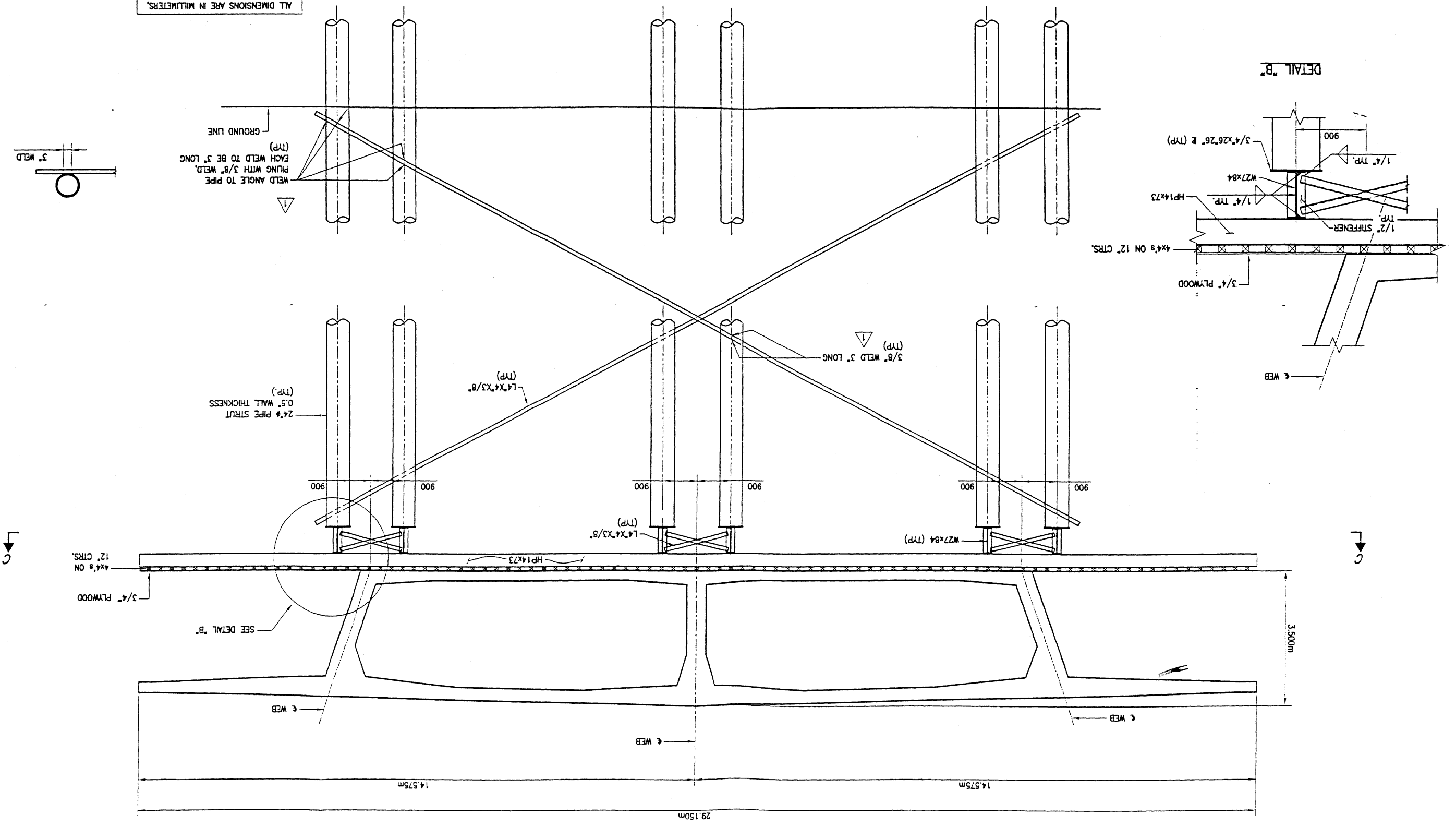
DESIGNED:	DATE:
CHECKED:	DATE:
CHECKED:	DATE:
DRAWN:	DATE:
LIC:	DATE:

CLIENT:	PROJECT:	SUBJECT:
GLF CONSTRUCTION	US 17-WILMINGTON BYPASS	FALSEWORK FOR BENT 40 & 43
SCALE:	PROJECT NUMBER:	SHEET NO.:
1:50	502	2

NOTES:
 1. FOR LOCATION OF SECTION A-A, SEE SHEET 1.
 2. FOR SECTION C-C, SEE SHEET 4.
 3. ALL STEEL TO BE GRADE 36 UNLESS OTHERWISE NOTED.

ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE NOTED.

SECTION A-A



WELD ANGLE TO PIPE
 PLUNG WITH 3/8" WELD,
 EACH WELD TO BE 3" LONG
 (TYP)

24" PIPE STRUT
 0.5" WALL THICKNESS
 (TYP)

L4x4x3/8
 (TYP)

3/8" WELD 3" LONG
 (TYP)

W27x84 (TYP)

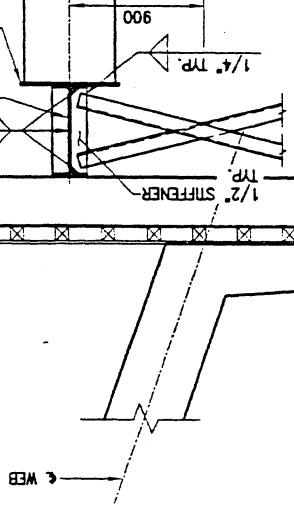
L4x4x3/8
 (TYP)

HP14x73

3/4" PLYWOOD
 4x4's ON
 12" CTRS.

3/4x26x26 angle (TYP)
 1/4" TYP.
 HP14x73
 W27x84
 1/2" STIFFENER
 4x4's ON 12" CTRS.
 3/4" PLYWOOD

DETAIL B



C

C

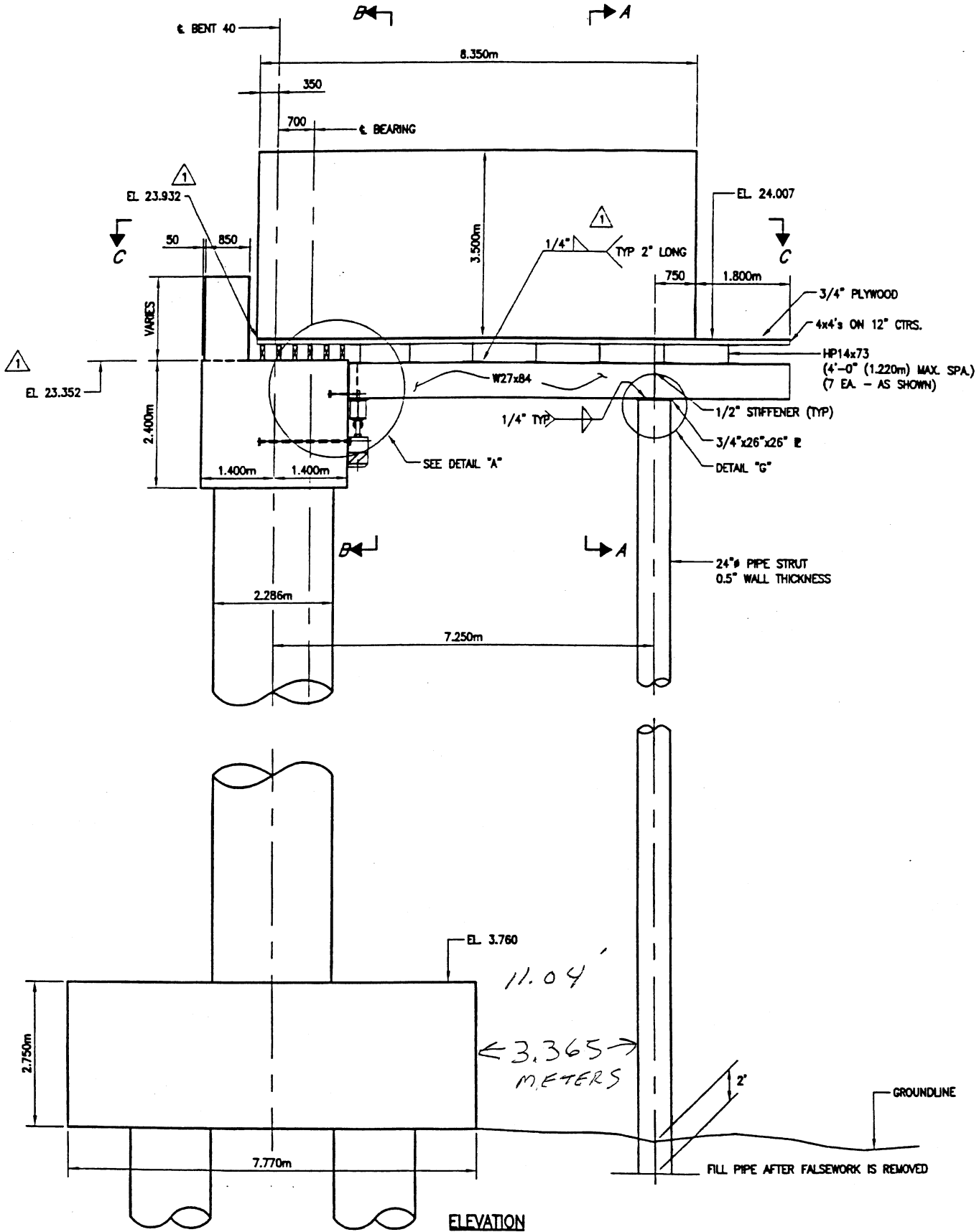
3500m

14.575m

29.150m

14.575m

Falsework for Last Segmental Pour @ Bents 43 + 40



DESIGNED: REVISED AS NOTED	DATE: 10/23/02	REVISIONS:	DATE:
DESIGNED:	DATE:	REVISIONS:	DATE:
DESIGNED:	DATE:	REVISIONS:	DATE:
DESIGNED:	DATE:	REVISIONS:	DATE:

JANSSEN & SPAANS ENGINEERING, INC.
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 9155 HARRISON PARK COURT
 INDIANAPOLIS, INDIANA 46218
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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

change date

March 1, 2004

use our standard format

USACE address

*Attention: Mr. Dave Timpy
NCDOT coordinator*

Dear Sir: Subject

Dave Timpy
NCDOT Coordinator
U.S. Army Corps of Engineers
Regulatory Field Office
Post Office Box 1890
Wilmington, NC 28402-1890

Dear Mr. Timpy:

Modification

SUBJECT: ~~Modification~~ New Hanover County, Proposed Wilmington Bypass from US 421 to I-40, including a new bridge over Northeast Cape Fear River, Federal Aid Project No. STPNHF-17(1), State Project Number No. 8.U250901, TIP No. R-2633C, WQC Project No. 000072, (Certification No. 3299), CAMA Major Development Permit No. 130-00, WBS No. 324491.1.3.

The North Carolina Department of Transportation (NCDOT) proposes to modify its activities in jurisdictional areas in portions of R-2633 C. With this letter, a request is hereby made to modify the Department of Army Permit No. 199403552 for authorization of permanent impacts at Bents 40 and 43. Furthermore, by copy of this letter, the Department is also requesting authorization and modification by the Division of Water Quality (WQC Project No. 000072) for these additional permanent impacts

NCDOT is requesting authorization to leave 12 - 24" pipe piles that are required to support the forms for the last pour at either end of the segmental section of bridge that spans over the west channel of the Northeast Cape Fear River. These twelve piles can not be extracted after the final pour is completed because of overhead constraints created by the permanent structure. The contractor is proposing to cut these piles off at the mud line and fill the remaining section of pipe with sand and cap them off with concrete to prevent injury to wildlife.

There will be 6 piles driven 3.365 m from and parallel with the end of the footer at Bents 40 (~ Sta. 34+00) & 43 (~ Sta. 37+00). These piles will be located inside the footprint of the temporary work trestle which was permitted as temporary impacts, however since the piles can not be extracted they will become permanent impacts. The proposed work will create 0.001 acres (37.7 sq. ft) of additional permanent impacts on this project. NCDOT acknowledges that all existing permit conditions are to be enforced during the construction of these forms.

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

*Request to
modify section
404 permit & section
401 WQC.
in bold*

We apologize for any inconveniences and we appreciate your assistance with this matter. In meetings with the project engineer and contractor on this project, it has been determined that this is the typical technique used to construct a segmental section and should have been taken into consideration in the original permit application.

In compliance with Section 143-215.3D(e) of the NCAC we have provided a method of debiting \$200 as payment for processing the modification of the North Carolina Department of Natural Resources Section 401 Water Quality Certification and Major Development Permit ~~previously noted in this application (see subject line).~~ *We have requested a modification to the DCM fee by under separate cover.*

If you have any questions or need additional information please contact Ms. Rachelle Beauguard of my staff at (919) 715-1383 ~~or Mason Herndon in the Third Division at (910) 251-5724.~~

Sincerely,

Gregory J. Thorpe, Ph.D.
Environmental Management Director, PDEA

cc: Mr. Bill Arrington, NCDCM
Ms. Cathy Brittingham, NCDCM
Mr. David Franklin, USACE, Wilmington (cover letter only)
Mr. John ~~Dorney~~, NCDWQ
Mr. Travis Wilson, NCWRC
Ms. ~~Kathy Matthews~~, USEPA
Mr. Gary Jordan, USFWS
Mr. Ron Sechler, NMFS
Mr. Michael Street, NCDMF
Mr. John F. Sullivan, III, FHWA
Mr. Jay Bennett, P.E., Roadway Design
Mr. Omar Sultan, Programming and TIP
Mr. Art McMillian, P.E., Highway Design
Mr. David Chang, P.E., Hydraulics
Mr. Greg Perfetti, P.E., Structure Design
Mr. Mark Staley, Roadside Environmental
Mr. H. Allen Pope, P.E., Division 3 Engineer
Mr. Mason Herndon, Division 3 Environmental Officer

*Hennessy
Becky Fox*



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

March 8, 2004

Cathy Brittingham

NC Division of Coastal Management
1638 Mail Service Center
Raleigh, NC 27699-1638

Attention: Ms. Cathy Brittingham:
Transportation Project Coordinator

Dear Madam:

SUBJECT: Request to modify CAMA Major Development Permit: New Hanover County, Proposed Wilmington Bypass from US 421 to I-40, including a new bridge over Northeast Cape Fear River, Federal Aid Project No. STPNHF-17(1), State Project Number No. 8.U250901, TIP No. R-2633C, WQC Project No. 000072, (Certification No. 3299), CAMA Major Development Permit No. 130-00, WBS No. 324491.1.3.

The North Carolina Department of Transportation (NCDOT) proposes to modify its activities in jurisdictional areas in portions of R-2633 C. With this letter, a request is hereby made to modify CAMA Permit No. 130 for authorization of permanent impacts at Bents 40 and 43.

NCDOT is requesting authorization to leave 12 - 24" pipe piles that are required to support the forms for the last pour at either end of the segmental section of bridge that spans over the west channel of the Northeast Cape Fear River. These twelve piles can not be extracted after the final pour is completed because of overhead constraint created by the permanent structure. The contractor is proposing to cut these piles off at the mud line and fill the remaining section of pipe with sand and cap them off with concrete to prevent injury to wildlife.

There will be 6 piles driven 3.365 m from and parallel with the end of the footer at Bents 40 (~ Sta. 34+00) & 43 (~ Sta. 37+00). These piles will be located inside the footprint of the temporary work trestle which was permitted as temporary impacts, however since the piles can not be extracted they will become permanent impacts. The proposed work will create 0.001 acres (37.7 sq. ft) of additional permanent impacts on this project. NCDOT acknowledges that all conditions of the existing CAMA permit are to be enforced during the construction of these forms.

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

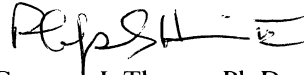
LOCATION:
TRANSPORTATION BUILDING
1 SOUTH WILMINGTON STREET
RALEIGH NC

We apologize for any inconveniences and we appreciate your assistance with this matter. In meetings with the project engineer and contractor on this project, it has been determined that this is the typical technique used to construct a segmental section and should have been taken into consideration in the original permit application.

In compliance with Section 143-215.3D(e) of the NCAC we have provided a method of debiting \$200 as payment for processing the modification of the Major Development Permit previously noted in this application (see subject line). We have applied to the U.S. Army Corps of Engineers and the NC Division of Water Quality for modifications to the Section 404 and Section 401 Water Quality Certification under separate cover.

If you have any questions or need additional information please contact Ms. Rachelle Beaugard of my staff at (919) 715-1383.

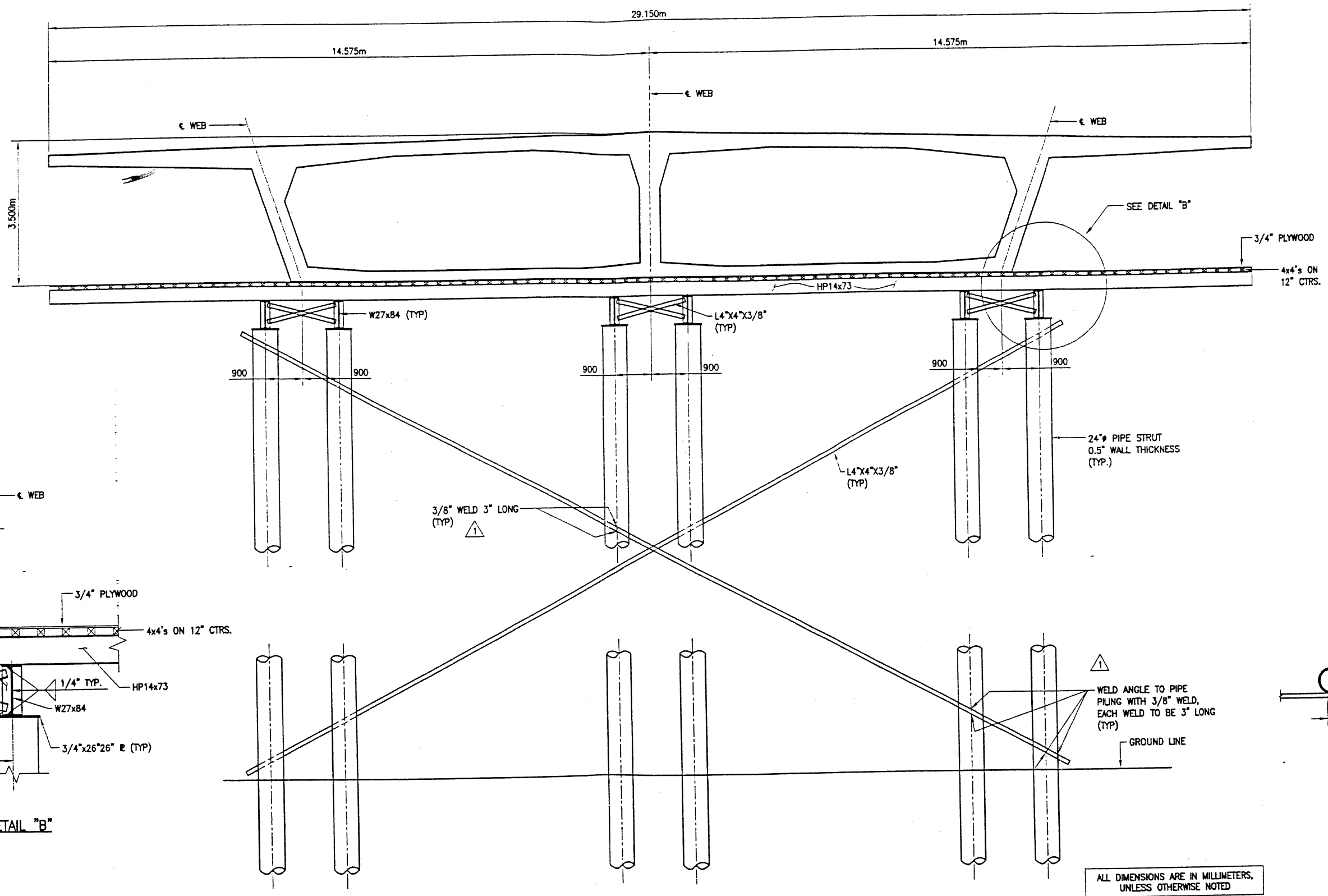
Sincerely,


6

Gregory J. Thorpe, Ph.D.

Environmental Management Director, PDEA

cc: Mr. Bill Arrington, NCDCM
Mr. Dave Timpy, USACE
Mr. David Franklin, USACE, Wilmington (cover letter only)
Mr. John Hennessy, NCDWQ
Mr. Travis Wilson, NCWRC
Ms. Becky Fox, USEPA
Mr. Gary Jordan, USFWS
Mr. Ron Sechler, NMFS
Mr. Michael Street, NCDMF
Mr. John F. Sullivan, III, FHWA
Mr. Jay Bennett, P.E., Roadway Design
Mr. Omar Sultan, Programming and TIP
Mr. Art McMillian, P.E., Highway Design
Mr. David Chang, P.E., Hydraulics
Mr. Greg Perfetti, P.E., Structure Design
Mr. Mark Staley, Roadside Environmental
Mr. H. Allen Pope, P.E., Division 3 Engineer
Mr. Mason Herndon, Division 3 Environmental Officer



SECTION A-A

ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE NOTED

- NOTES:
1. FOR LOCATION OF SECTION A-A, SEE SHEET 1.
 2. FOR SECTION C-C, SEE SHEET 4.
 3. ALL STEEL TO BE GRADE 36 UNLESS OTHERWISE NOTED.

REVISED: REVISED AS NOTED	DATE: 10/23/02
REVISED:	DATE:
REVISED:	DATE:
REVISED:	DATE:

REVISED:	DATE:
REVISED:	DATE:
REVISED:	DATE:
REVISED:	DATE:

JANSSEN & SPAANS ENGINEERING, INC.
 CONSULTING ENGINEERS
 9155 HARRISON PARK COURT
 INDIANAPOLIS, INDIANA 46216
 BUS. (317) 254-9686
 FAX. (317) 259-8262

DESIGNED _____
CHECKED _____
DATE _____

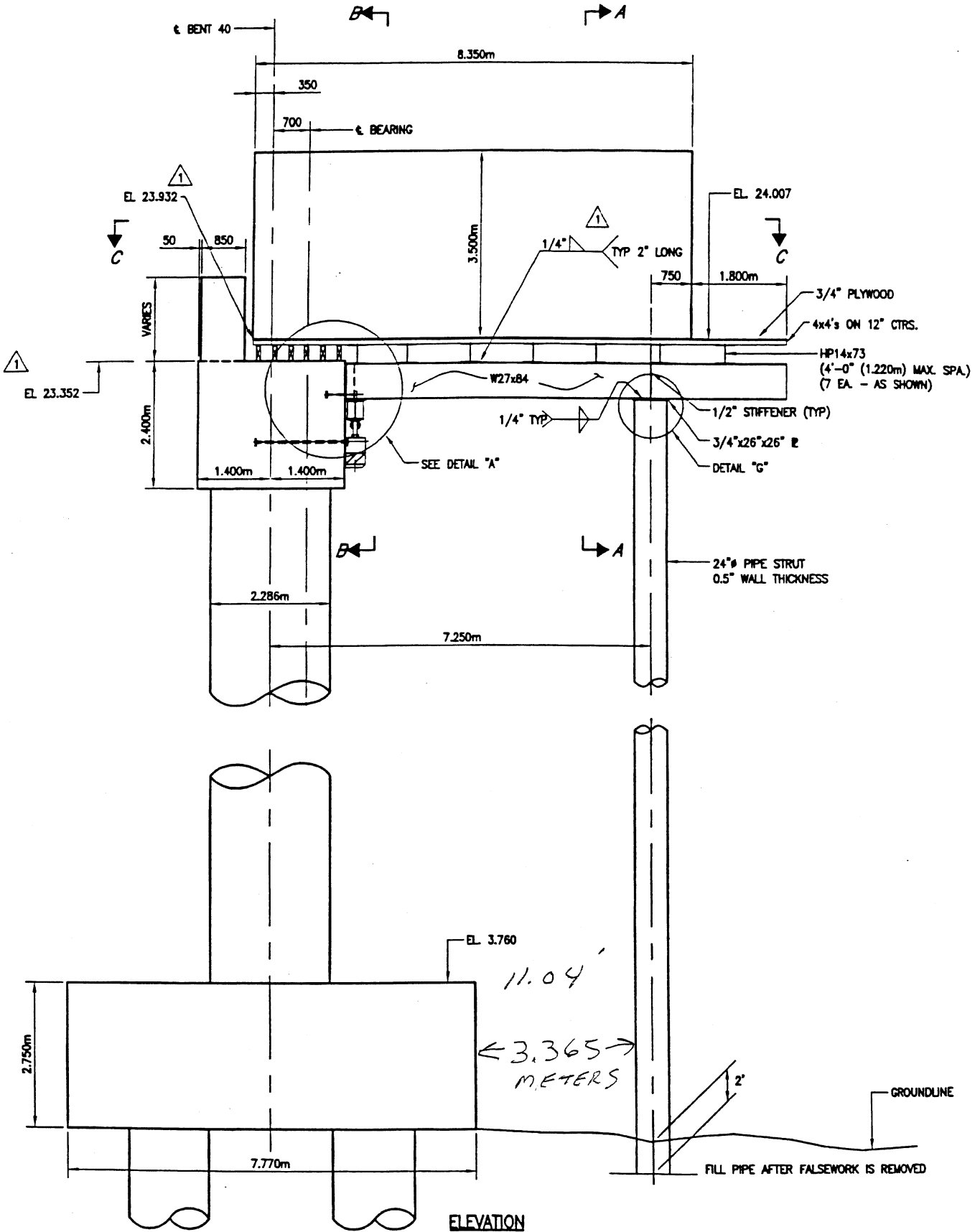
DRAWN LMC
CHECKED LS
DATE 6/13/02

CLIENT: GLF CONSTRUCTION
 PROJECT: US 17-WILMINGTON BYPASS
 SUBJECT: FALSEWORK FOR BENT 40 & 43

SCALE 1:50
PROJECT NUMBER 502
SHEET NO. 2

Date: 10/23/02
 Drawn: LMC
 Checked: LS
 Drawing File: 001\JANSSEN-V-1.dwg (Sheet)

Falsework for Last Segmental Pour @ Bents 43 + 40



DESIGNED: REVISED AS NOTED	DATE: 10/23/02	REVISIONS:	DATE:
ASSEMBLED:	DATE:	REVISIONS:	DATE:
ASSEMBLED:	DATE:	REVISIONS:	DATE:
ASSEMBLED:	DATE:	REVISIONS:	DATE:

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 9155 HARRISON PARK COURT
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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

March 1, 2004

*use standard information level for sample
see date change*

Cathy Brittingham
Transportation Project Coordinator
NC Division of Coastal Management
1638 Mail Service Center
Raleigh, NC 27699-1638

Dear Ms. Brittingham:

This also needs to be a section 404 need since we are changing type of action in CWA SD areas. Whenever you have the need for a 404 mod. you know that a 404 will be needed and vice versa

SUBJECT: New Hanover County, Proposed Wilmington Bypass from US 421 to I-40, including a new bridge over Northeast Cape Fear River, Federal Aid Project No. STPNHF-17(1), State Project Number No. 8.U250901, TIP No. R-2633C, WQC Project No. 000072, (Certification No. 3299), CAMA Major Development Permit No. 130-00, WBS No. 324491.1.3.

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We apologize for any inconveniences and we appreciate your assistance with this matter. In meetings with the project engineer and contractor on this project, it has been determined that

*revise request to modify CAMA Permit.
your Dept. Permit.
in bold*

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

this is the typical technique used to construct a segmental section and should have been taken into consideration in the original permit application.

In compliance with Section 143-215.3D(e) of the NCAC we have provided a method of debiting \$200 as payment for processing the modification of the ~~North Carolina Department of Natural Resources Section 401 Water Quality Certification and Major Development Permit~~ previously noted in this application (see subject line).

We have applied to the USACE & the NCDWQ for modification to the Section 401 permit & Section 401WQC under separate cover.

If you have any questions or need additional information please contact Ms. Rachelle Beaugard of my staff at (919) 715-1383, or ~~Mason Herndon in the Third Division at (910) 251-6724.~~

Sincerely,

Gregory J. Thorpe, Ph.D.
Environmental Management Director, PDEA

- cc: Mr. Bill Arrington, NCDCM
- Mr. Dave Timpy, USACE
- Mr. David Franklin, USACE, Wilmington (cover letter only)
- Mr. John ~~Dorney~~, NCDWQ
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- Ms. ~~Kathy Matthews~~, USEPA
- Mr. Gary Jordan, USFWS
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- Mr. David Chang, P.E., Hydraulics
- Mr. Greg Perfetti, P.E., Structure Design
- Mr. Mark Staley, Roadside Environmental
- Mr. H. Allen Pope, P.E., Division 3 Engineer
- Mr. Mason Herndon, Division 3 Environmental Officer

200 request for debit mod. check w/ Timpy that he will be OK with one mod. for the 3 agencies. might want a separate document.

*Hennnessy
Becky Fox*