STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAT L. MCCRORY
GOVERNOR

ANTHONY J. TATA
SECRETARY

September 23, 2014

Mr. Tom Steffens
U.S. Army Corps of Engineers
Regulatory Field Office
Post Office Box 1000
Washington, NC 27889-1000

Mr. Stephen Lane
N.C. Dept. of Environment & Natural Resources
Division of Coastal Management
400 Commerce Avenue
Morehead City, NC 28557

Dear Sirs:

Subject: **Permit Modification Request for the Section 404 Individual Permit, Section 401 Individual Water Quality Certification and CAMA Major Permit** for the proposed improvements to US 70 from existing four lanes at Radio Island to north of Olga Road (SR 1426), Carteret County, State Project No. 8.1162501, Federal Aid Project STPNHF-70(43), TIP R-3307. Debit $570 (NCDWR) and $100 (NCDCM) from WBS 34528.1.1.

References: Section 404 Permit No. SAW-2010-02125, issued September 27, 2013
Section 401 Permit No. 3195, issued April 30, 2012
CAMA Major Development Permit No. 37-12, issued May 3, 2012

Dear Sirs:

Please see the enclosed revised permit drawings and impact summary sheet for the above referenced project. The contractor has indicated the need remove a portion of a rock jetty in Gallants Channel by Bent 25 to construct the footing at that location. Additionally, hand clearing is increasing from 0.23 acre to 1.06 acres for construction of the bridge and temporary work bridge.

Please note, a revision has been made on permit drawing sheet 5 (plan sheet 8, -L- Sta. 63+43). The original permit drawings erroneously illustrated the fill within the retaining wall at the approach. This has been corrected, resulting in a 0.01 acre impact increase to 404 wetlands at site 2.

Section 404: We are hereby requesting the modifications described above for the USACE Individual 404 Permit signed September 27, 2013 (SAW-2010-02125), for the above-described activities.

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
PROJECT DEVELOPMENT & ENVIRONMENTAL ANALYSIS UNIT
1598 MAIL SERVICE CENTER
RALEIGH NC 27699-1598

TELEPHONE: 919-707-6000
FAX: 919-212-5785
WEBSITE:NCDOT.GOV

LOCATION:
CENTURY CENTER, BUILDING B
1020 BIRCH RIDGE DRIVE
RALEIGH NC 27610

Section 401: We are hereby requesting a modification to the 401 Water Quality Certification from the NCDWR issued, April 30, 2012 (DWQ No. 3195). We are providing $570 to act as payment for processing the permit modification (see subject line).

CAMA: We are hereby requesting a modification to the Coastal Area Management Act Major Permit issued May 3, 2012. We are providing $100 to act as payment for processing the permit modification (see subject line).

As you are aware, this project is currently under construction. Therefore, the Department requests that your agency expedite your review and approval to avoid delay.

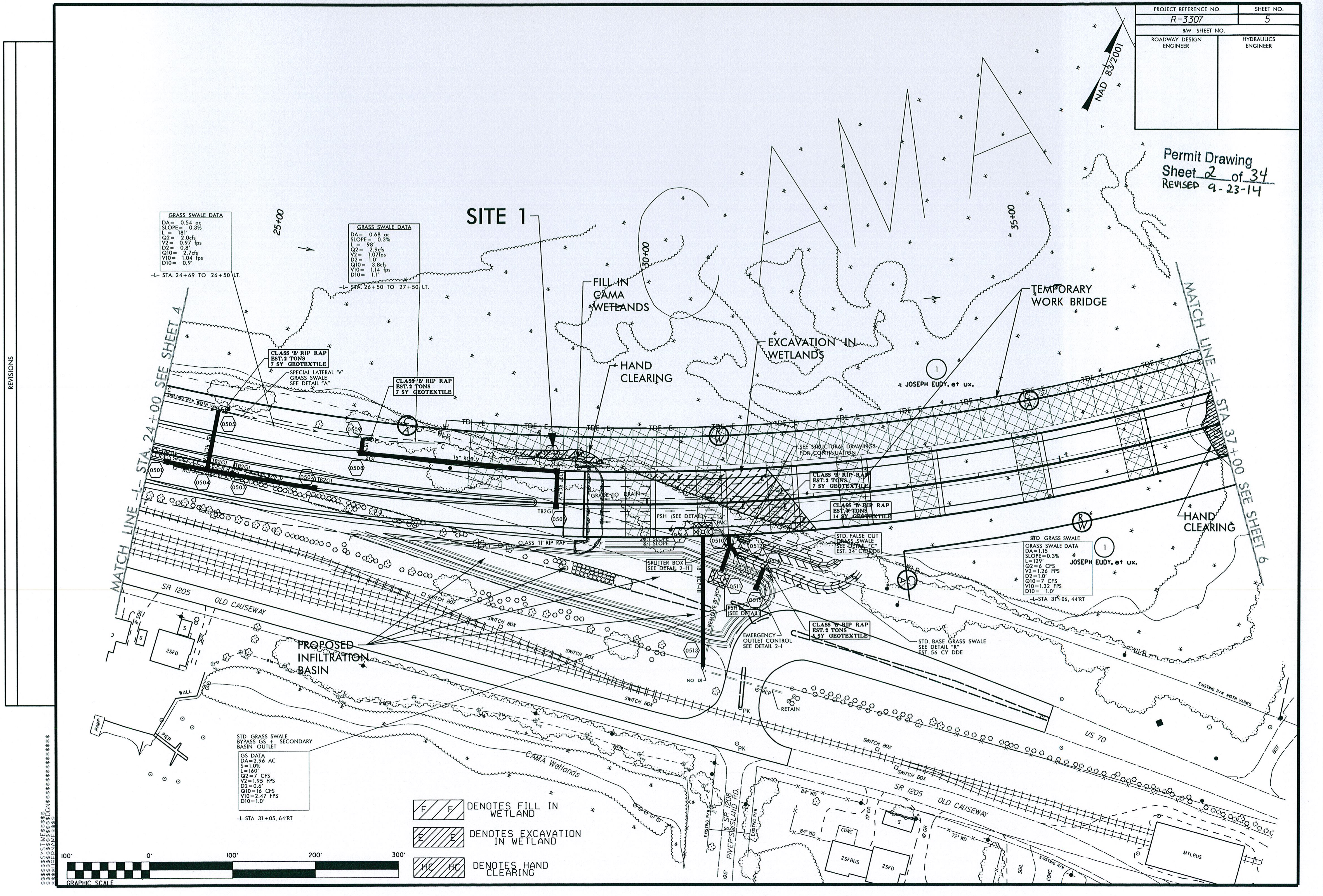
Thank you for your assistance with this project. If you have any questions or need additional information, please contact Tyler Stanton at tstanton@ncdot.gov or (919) 707-6156.

Sincerely,

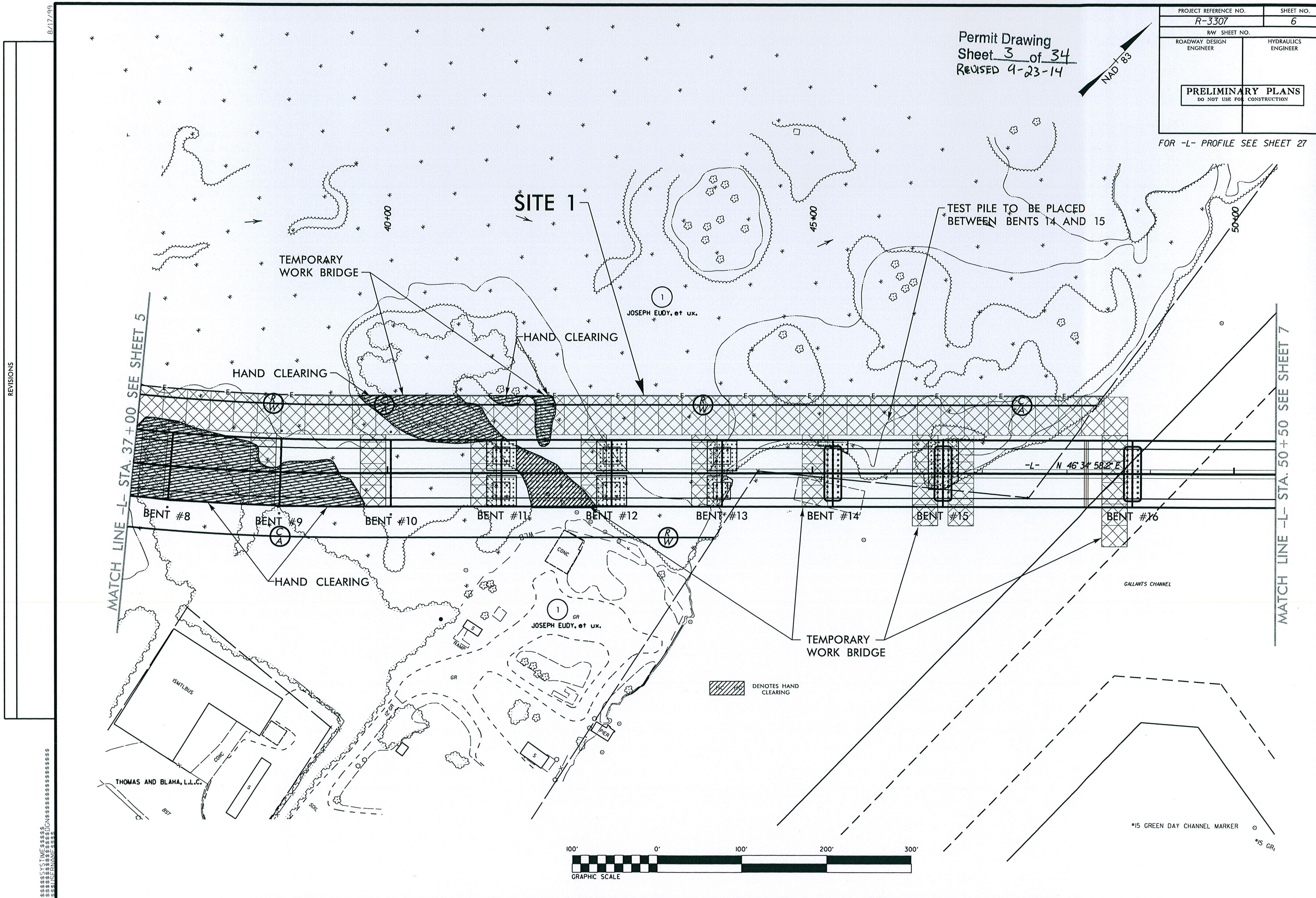
for Richard W. Hancock, P.E., Manager
Project Development and Environmental Analysis Unit

cc:

NCDOT Permit Application Standard Distribution List.



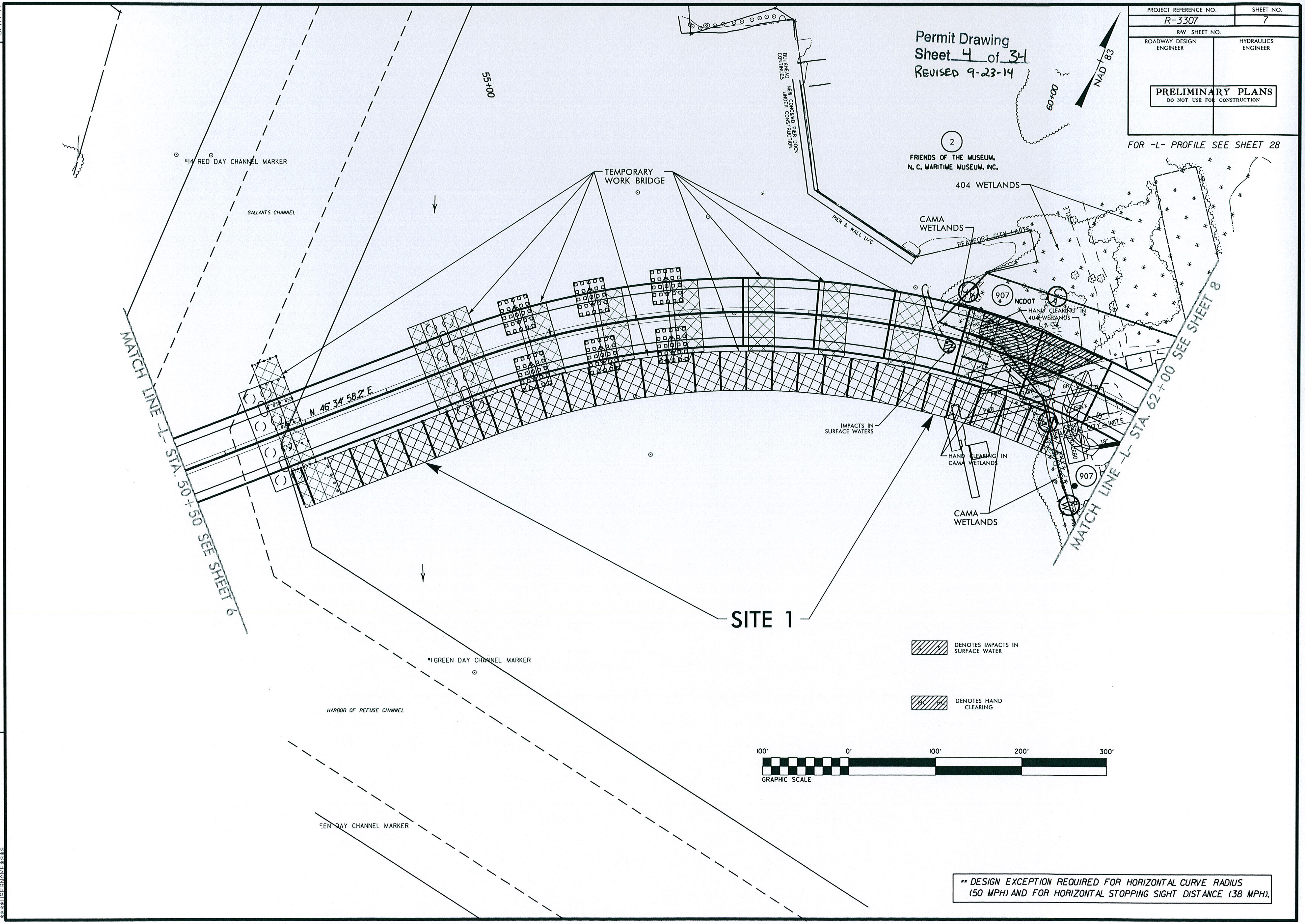
PROJECT REFERENCE NO.
R-3307
SHEET NO.
5
R/W SHEET NO.
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
NAD 83/2001
Permit Drawing
Sheet 2 of 34
REVISED 9-23-14
REVISIONS
SITE 1
CAMA
GRASS SWALE DATA
DA= 0.54 ac
SLOPE= 0.3%
L = 181'
Q2= 2.0cfs
V2= 0.97 fps
D2= 0.8'
Q10= 2.7cfs
V10= 1.04 fps
D10= 0.9'
-L- STA. 24+69 TO 26+50 LT.
GRASS SWALE DATA
DA= 0.68 ac
SLOPE= 0.3%
L = 98'
Q2= 2.9cfs
V2= 1.07fps
D2= 1.0'
Q10= 3.8cfs
V10= 1.14 fps
D10= 1.1'
-L- STA. 26+50 TO 27+50 LT.
25+00
30+00
35+00
FILL IN CAMA WETLANDS
HAND CLEARING
EXCAVATION IN WETLANDS
TEMPORARY WORK BRIDGE
JOSEPH EUDY, et ux.
CLASS 'B' RIP RAP EST. 2 TONS 7 SY GEOTEXTILE
SPECIAL LATERAL 'V' GRASS SWALE SEE DETAIL "A"
SEE STRUCTURAL DRAWINGS FOR CONTINUATION
CLASS 'B' RIP RAP EST. 2 TONS 14 SY GEOTEXTILE
MATCH LINE -L- STA. 24+00 SEE SHEET 4
MATCH LINE -L- STA. 37+00 SEE SHEET 6
GRADE TO DRAIN
CLASS 'II' RIP RAP
SPLITTER BOX SEE DETAIL 2-H
PSH (SEE DETAIL)
STD. FALSE CUT BYPASS SWALE SEE DETAIL "C" EST. 34 CY DDE
STD GRASS SWALE
GRASS SWALE DATA
DA=1.15
SLOPE=0.3%
L=129'
Q2=6 CFS
V2=1.26 FPS
D2=1.0'
Q10=7 CFS
V10=1.32 FPS
D10= 1.0'
-L-STA 31+06, 44'RT
CLASS 'B' RIP RAP EST. 2 TONS 4 SY GEOTEXTILE
EMERGENCY OUTLET CONTROL SEE DETAIL 2-I
STD. BASE GRASS SWALE SEE DETAIL "R" EST. 56 CY DDE
PROPOSED INFILTRATION BASIN
SR 1205
OLD CAUSEWAY
SWITCH BOX
US 70
2SFD
CAMA Wetlands
STD GRASS SWALE BYPASS GS + SECONDARY BASIN OUTLET
GS DATA
DA=2.96 AC
S=1.0%
L=160'
Q2=7 CFS
V2=1.95 FPS
D2=0.6'
Q10=16 CFS
V10=2.47 FPS
D10=1.0'
-L-STA 31+05, 64'RT
SR 1208 PIVERS ISLAND RD.
2SFBUS
MTLBUS
DENOTES FILL IN WETLAND
DENOTES EXCAVATION IN WETLAND
DENOTES HAND CLEARING
100' 0' 100' 200' 300'
GRAPHIC SCALE


PROJECT REFERENCE NO.
R-3307
SHEET NO.
6
R/W SHEET NO.
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION
Permit Drawing
Sheet 3 of 34
REVISED 9-23-14
NAD 83
FOR -L- PROFILE SEE SHEET 27
SITE 1
TEMPORARY WORK BRIDGE
HAND CLEARING
HAND CLEARING
HAND CLEARING
TEST PILE TO BE PLACED BETWEEN BENTS 14 AND 15
40+00
45+00
50+00
JOSEPH EUDY, et ux.
MATCH LINE -L- STA. 37+00 SEE SHEET 5
MATCH LINE -L- STA. 50+50 SEE SHEET 7
-L- N 46° 34' 58.2" E
BENT #8
BENT #9
BENT #10
BENT #11
BENT #12
BENT #13
BENT #14
BENT #15
BENT #16
TEMPORARY WORK BRIDGE
JOSEPH EUDY, et ux.
GR
CONC
RAMP
PIER
SOIL
BST
ISMTLBUS
THOMAS AND BLAHA, L.L.C.
GALLANTS CHANNEL
DENOTES HAND CLEARING
#15 GREEN DAY CHANNEL MARKER
100' 0' 100' 200' 300'
GRAPHIC SCALE
REVISIONS
8/17/99

8/17/99

REVISIONS

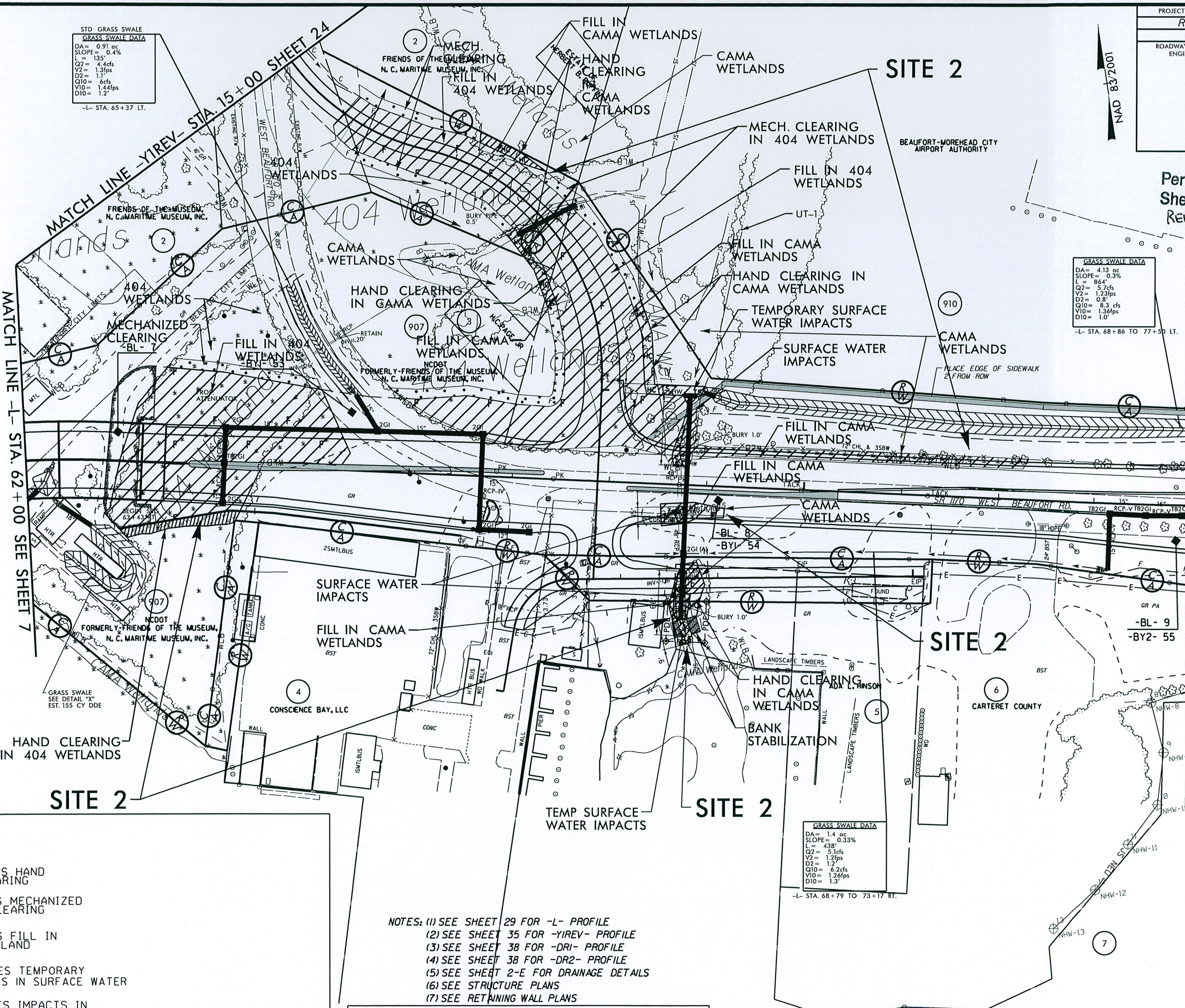
R/W REV. 07/29/10 (KMW): REVISED EXIST. P/L TO NUMERICAL OFFSET.



$$$$$$SYSTIME$$$$$
$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

PROJECT REFERENCE NO.	SHEET NO.
R-3307	8
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Permit Drawing
Sheet 5 of 34
REVISED 9-23-14



HC / HC	DENOTES HAND CLEARING
(dots)	DENOTES MECHANIZED CLEARING
F / F	DENOTES FILL IN WETLAND
TS / TS	DENOTES TEMPORARY IMPACTS IN SURFACE WATER
S / S	DENOTES IMPACTS IN SURFACE WATER

NOTES: (1) SEE SHEET 29 FOR -L- PROFILE
(2) SEE SHEET 35 FOR -Y1REV- PROFILE
(3) SEE SHEET 38 FOR -DR1- PROFILE
(4) SEE SHEET 38 FOR -DR2- PROFILE
(5) SEE SHEET 2-E FOR DRAINAGE DETAILS
(6) SEE STRUCTURE PLANS
(7) SEE RETAINING WALL PLANS

** DESIGN EXCEPTION REQUIRED FOR HORIZONTAL CURVE RADIUS (50 MPH) AND FOR HORIZONTAL STOPPING SIGHT DISTANCE (38 MPH).

REVISIONS

$$$$$$SYSTIME$$$$$ $$$$$$$$DGN$$$$$$$$$$$$$$$$$ $$$$$USERNAME$$$$$

WETLAND PERMIT IMPACT SUMMARY

Site No.	Station (From/To)	Structure Size / Type	Wetland Restoration (ac)	WETLAND IMPACTS: CAMA Permanent Fill In Wetlands (ac)	404 Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	SURFACE WATER IMPACTS: Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)
1	-L- STA. 28+10 TO 29+47 LT	Roadway Fill		<0.01					0.02					
	-L- STA 28+99 TO 63+44	Bridge		0.02	<0.01	0.07	0.16*		0.84	0.03	0.06			
2	-L- STA. 62+82 TO 72+30 &	48" RCP &		0.24	1.39			0.21	0.09	0.02	0.01	139	9	
	-Y1REV- STA. 15+74 TO 20+64	Roadway Fill												
		Bank Stabilization										16		
3	-L- STA. 78+58 TO 79+06 &	72" RCP								0.04	0.01	165	22	
	-Y2- STA. 10+78 TO 11+18 LT	Roadway Fill												
		Bank Stabilization										24		
4	-L- STA. 87+50 TO 92+56	Roadway Fill			**					0.16	<0.01	499	10	***
5	-L- STA. 171+47 TO 183+92	Roadway Fill			3.98			0.53						
6	-Y2- STA. 13+13 TO 18+77 ****	Bridge	1.46	<0.01		<0.01				<0.01	<0.01			
	-Y2- STA. 12+33 TO 13+48 RT	Roadway Fill		0.04										
7	-Y2- STA. 18+66 TO 24+34	Roadway Fill		0.20					0.12					
		Bank Stabilzation										8		
TOTALS:			1.46	0.50	5.37	0.07	0.16	0.74	1.07	0.26	0.09	851	41	0.00

* 0.16 ACRES of EXCAVATION IN CAMA WETLANDS. REQUIRED TO PROVIDE ACCESS FOR BRIDGE CONSTRUCTION AND MAINTENANCE / INSPECTION

** 0.18 ACRES of ISOLATED WETLANDS

*** NEW BASE DITCH TO BE EXCAVATED PARALLEL TO EXISTING BASE DITCH. PROVIDES DRAINAGE FOR AIRPORT PROPERTY. MITIGATION NOT REQUIRED PER 4C MEETING ON 20 OCT 2010.

**** CAUSEWAY REMOVAL: SITE 6

SEDIMENT & EROSION CONTROL MEASURES:
0.04 acres of Temporary Fill in CAMA Wetlands in the Hand Clearing areas for erosion control measures.

BRIDGE IMPACTS: Impacts for permanent and temporary bents are included in table above. Break-out for impacts are as follows:

Gallants Channel Bridge
Perm. Fill in CAMA wetlands: 0.02 Ac
Mech. Clr. in CAMA wetlands:
Hand Clr. in CAMA wetlands: 0.84 Ac
Perm. Fill in 404 wetlands: <0.01 Ac
Hand Clr. in 404 wetlands: 0.08 Ac
Perm. Fill in Surface Waters: 0.03 Ac

Temp. Fill in wetlands: 0.07 Ac
Temp. Fill in Surface Waters: 0.06 Ac.

Turner Street Bridge
Perm. Fill in CAMA wetlands: <0.01 Ac
Perm. Fill in 404 wetlands: 0 Ac
Perm. Fill in Surface Waters: <0.01 Ac

Temp. Fill in wetlands: <0.01 Ac
Temp. Fill in Surface Waters: <0.01 Ac.

Permit Drawing
Sheet 34 of 34
REVISED 9-23-14

N.C.D.O.T.
DIVISION OF HIGHWAYS
CARTERET COUNTY
PROJECT: 34528.1.1 (R-3307)
US 70 FROM EXISTING FOUR LANES
AT RADIO ISLAND TO US 70 NORTH
OF SR 1429 (OLGA ROAD)
SHEET (08/SEP/2014)

ATN Revised 3/31/05