



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

January 24, 2012

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 and Natural Resources
Division of Coastal Management
400 Commerce Avenue
Morehead City, NC 28557

Dear Sirs:

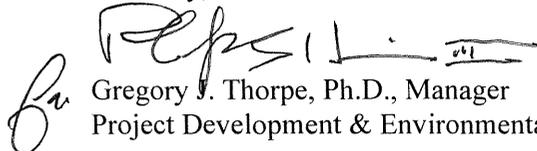
Subject: **REVISED Application for Individual Section 404 and Section 10, Section 401 Water Quality Certification, Isolated Waters Permit and CAMA Major Development Permit** for the proposed improvements to US 70 from existing four lanes at Radio Island to north of Olga Road (SR 1426), Carteret County, State Project No. 8.1162501, Federal Aid Project STPNHF-70(43), TIP R-3307, WBS 34528.1.1

Reference: Permit Application dated November 9, 2011.

Please reference the previously submitted application for the above referenced project. Changes have been made to the attached Permit Drawing, Wetland Permit Impact Summary Table, and Tables 1 and 2 from the original cover letter. The tabulated wetland restoration total on the Wetland Permit Impact Summary Table has decreased to 1.46 acres. At Site 6, an area of 0.03 acre of hand clearing was erroneously listed as mechanized clearing in the original application. In addition, the 499 linear feet of channel relocation at Site 4 was listed in Table 2 of the original cover letter as requiring mitigation; however, it was determined at the 4C Hydraulic Review meeting, held October 20, 2010, that mitigation will not be required for this action. The revised EEP letter will be forwarded upon receipt.

A copy of this revised permit application and its distribution list will be posted on the NCDOT Website at: <http://www.ncdot.org/doh/preconstruct/pe/neu/permit.html>. If you have any questions or need additional information, please contact Tyler Stanton at tstanton@ncdot.gov or (919) 707-6156.

Sincerely,


Gregory J. Thorpe, Ph.D., Manager
Project Development & Environmental Analysis Unit

Enclosures

Cc: w/out attachment
NCDOT Permit Application Standard Distribution List

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

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

LOCATION:
1020 BIRCH RIDGE DRIVE
RALEIGH NC 27610-4328

Table 1. R-3307 Wetlands Impacts

Permit Drawing Site Number (2011)	Map Label in FONSI (2001)	Type	Permanent Impacts (ac.)	Temporary Impacts* (ac.)	Mitigation Required**
1	A, D	Coastal	0.18	0.07	Yes
2	G, H	Riparian/Coastal	1.83	0	Yes
4	L	Isolated	0.18	0	Yes
5	O	Non-Riparian	4.51	0	Yes
6	J	Coastal	0.04	< 0.01	Yes
7	K	Coastal	0.20	0	Yes
Total:			6.94	0.07	Yes

* There will be 0.04 acres of Temporary Fill in wetlands for erosion control measures

**For permanent impacts

Table 2. R-3307 Surface Water Impacts

Permit Drawing Site Number	Waterbody	Permanent (ft)	Temporary (ft)	Permanent (ac.)	Temporary (ac.)	Mitigation Required**
1	Gallants Channel	0	0	0.03	0.06	No
2	UT to Gallants Channel	155*	9	0.02	0.01	Yes
3	UT to Town Creek	189*	22	0.04	0.01	Yes
4	UT to Gallants Channel	499	10	0.16	< 0.01	No
6	Town Creek	0	0	< 0.01	< 0.01	No
7	Town Creek	8*	0	0	0	No
Total:		851	41	0.25	0.09	

* Bank Stabilization: Site 2 includes 16 linear feet, Site 3 includes 24 linear feet, and Site 7 includes 8 linear feet; mitigation required by the USACE exceeds the amount required by NCDWQ

** For permanent impacts

WETLAND PERMIT IMPACT SUMMARY

Site No.	Station (From/To)	Structure Size / Type	Wetland Restoration (ac)	WETLAND IMPACTS						SURFACE WATER 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)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts (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*				0.03	0.06		
2	-L- STA. 62+82 TO 72+30 &	48" RCP &		0.24	1.38			0.21	0.06	0.02	0.01	139	9	
	-Y1REV- STA. 15+74 TO 20+64	Roadway Fill										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										24		
		Bank Stabilization												
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					0.03					
7	-Y2- STA. 18+66 TO 24+34	Roadway Fill		0.20					0.12					
		Bank Stabilization										8		
TOTALS:			1.46	0.50	5.36	0.07	0.16	0.74	0.23	0.25	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

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
 Perm. Fill in 404 wetlands: <0.01 Ac
 Perm. Fill in Surface Waters: 0.03 Ac

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

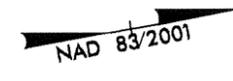
Turner Street Bridge
 Perm. Fill in CAMA wetlands: <0.01 Ac
 Perm. Fill in 404 wetlands: 0 Ac
 Perm. Fill in Surface Waters: <0.01 Ac

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

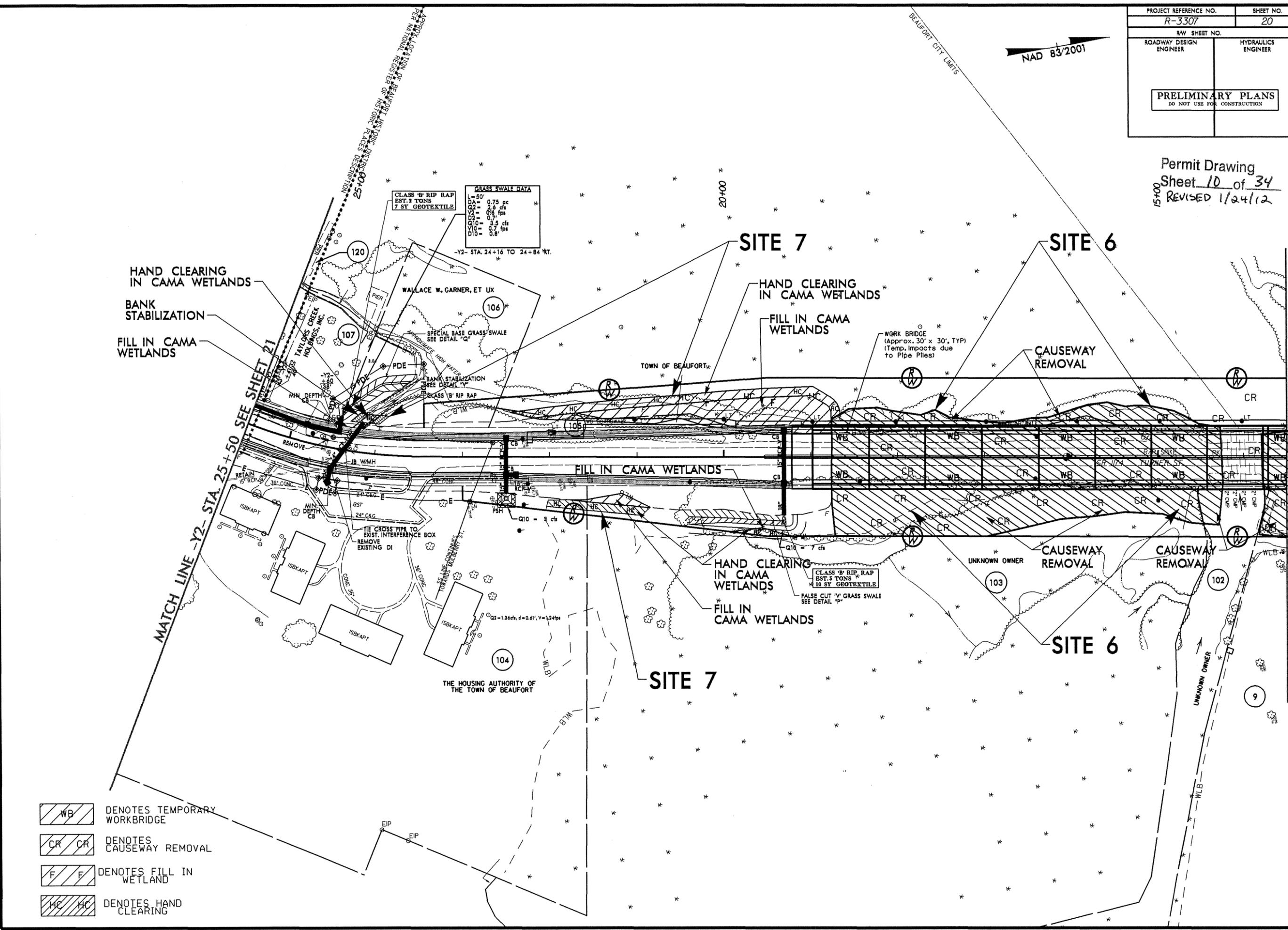
N.C.D.O.T.
 DIVISION OF HIGHWAYS
 CARTERET COUNTY
 PROJECT: 34528.1.1 (R-3307)
 US 70 FROM EXISTING FOUR LANES
 AT RADIO ISLAND TO US 70 NORTH
 OF SR 1429 (OLGA ROAD)
 SHEET (7/27/2011)

PROJECT REFERENCE NO. R-3307	SHEET NO. 20
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

Permit Drawing
Sheet 10 of 34
15400 REVISED 1/24/12



REVISIONS
 R/W REV. 07/29/10 (KMW): REVISED EXIST R/W TO NUMERICAL OFFSET.
 R/W REV. 04/18/11 (KMW): DELETED PROP. R/W, ADDED PDE AND TCE ON PARCELS 106 & 107, ADDED PARCEL 120 AND ADDED TCE ON PARCEL 120.



- DENOTES TEMPORARY WORKBRIDGE
- DENOTES CAUSEWAY REMOVAL
- DENOTES FILL IN WETLAND
- DENOTES HAND CLEARING

MATCH LINE -Y2- STA. 25+50 SEE SHEET 21

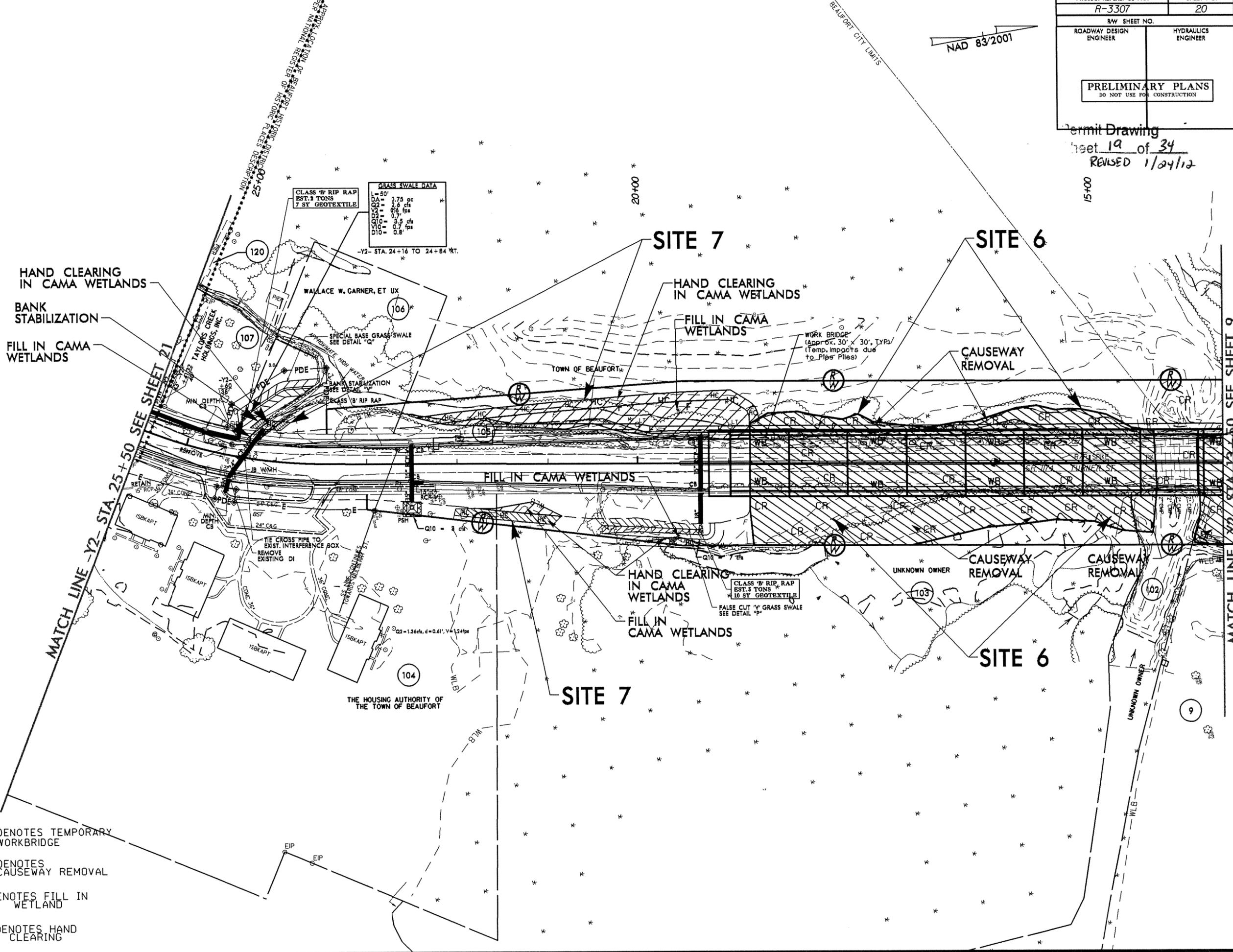
MATCH LINE -Y2- STA. 25+50 SEE SHEET 9

PROJECT REFERENCE NO. R-3307	SHEET NO. 20
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

Permit Drawing
Sheet 19 of 34
REVISED 1/24/12

NAD 83/2001

BEAUFORT CITY LIMITS



CLASS 'B' RIP RAP
EST. 2 TONS
7 SY GEOTEXTILE

GRASS SWALE DATA

L=50'	DA=0.75 gc
VS=0.01	VS=2.6 cfs
VS=0.01	VS=0.6 fpa
VS=0.01	VS=3.3 cfs
D10=1.0'	D10=0.7 fpa
D10=0.8'	

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- DENOTES CAUSEWAY REMOVAL
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MATCH LINE -Y2- STA. 25+50 SEE SHEET 21

MATCH LINE -Y2- STA. 25+50 SEE SHEET 9