



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAT L. MCCRORY
GOVERNOR

ANTHONY J. TATA
SECRETARY

March 13, 2014

N.C. Division of Water Resources
Department of Environment and Natural Resources
1650 Mail Service Center
Raleigh, NC 27699-1650

Attention: Ms. Amy Chapman
Transportation Permitting Unit Supervisor

Dear Ms. Chapman:

Subject: **Permit Modification Request for Section 401 Water Quality Certification and Tar-Pamlico Buffer Authorization** for the construction of a new rest area along US 17 near Chocowinity in Beaufort County; TIP Project K-3800; Federal Project No. NHS-17(32); Debit \$240 from WBS No. 38748.1.1.

Reference: 401 issued 8/9/13, DWR Project No. 20130649.

The North Carolina Department of Transportation (NCDOT) applied for permit authorizations for the subject project on June 19, 2013. This application indicated that there were no expected impacts to streams or buffers due to utilities. Modifications have been made to the utility plans for the project which now involve installation of a 6" water line, which will increase impacts to buffer zones 1 and 2. This water line will be installed by an open cut method.

The new buffer drawings show the site of this proposed work as Site 4, a new site from the original application (See buffer drawings Nos. 3 and 10 in the 6/19/13 application). These drawings account for impacts of constructing a grass swale and changes in roadway fill limits. The new utility drawings label this site as Site 1, and account for impacts specific to the water line installation. There were no utility drawings on the original permit application because there were no impacts anticipated.

The new Site 4/Utility Site 1 increases the impacts to buffers in both Zone 1 and Zone 2 ():

Site	Zone 1 (sq. ft.)	Zone 2 (sq. ft.)	Total (sq. ft.)
Buffer Drawing Site 4	53	915	968
Utility Drawing Site 1	231	752	983
Total new impacts	284	1,667	1,951

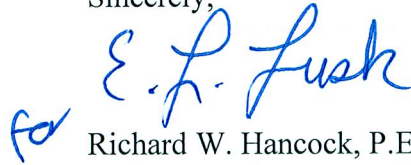
This increases the project buffer impacts overall to total of 12,305 sq. ft. in Zone 1 and 9,433 sq. ft. in Zone 2, totaling 21,738 sq. ft. of buffer impacts for the project.

No additional impacts to the one intermittent jurisdictional stream on the site are anticipated as the stream is not considered jurisdictional at the location of the new impacts.

A copy of this modification request will be posted on the NCDOT Website at <https://connect.ncdot.gov/resources/Environmental/Pages/default.aspx>, under *Quick Links > Permit Applications*.

If you have any questions or need additional information, please contact Gordon Cashin at (919) 707-6107 or gcashin@ncdot.gov.

Sincerely,

A handwritten signature in blue ink that reads "R. W. Hancock". To the left of the signature is a small blue mark that looks like "fd".

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

cc

NCDOT Permit Application Standard Distribution List.

BUFFER IMPACTS SUMMARY

SITE NO.	STRUCTURE SIZE / TYPE	STATION (FROM/TO)	IMPACT									BUFFER REPLACEMENT	
			TYPE			ALLOWABLE			MITIGABLE			ZONE 1 (ft ²)	ZONE 2 (ft ²)
			ROAD CROSSING	BRIDGE	PARALLEL IMPACT	ZONE 1 (ft ²)	ZONE 2 (ft ²)	TOTAL (ft ²)	ZONE 1 (ft ²)	ZONE 2 (ft ²)	TOTAL (ft ²)		
1	60" RCP	-Y2- 17+59	X			5304	3462	8766					
2	60" RCP	-L- 21+66	X			6717	4304	11021					
3	Roadway Fill in BZ 2	-Y2- 13+81 to 15+29, Rt			X					961	961		
4	Grass Swale & Roadway Fill	-Y1- 19+00 Lt.	X			53	915	968					
TOTAL:						12,074	8,681	20,755		961	961		

N.C. DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS

 BEAUFORT COUNTY
 PROJECT: 38748.1.1 (K-3800)

 2/28/2014
 SHEET 10 OF 10

Rev. May 2006

Buffer Drawing
Sheet 10 of 10
Revised 3/12/14

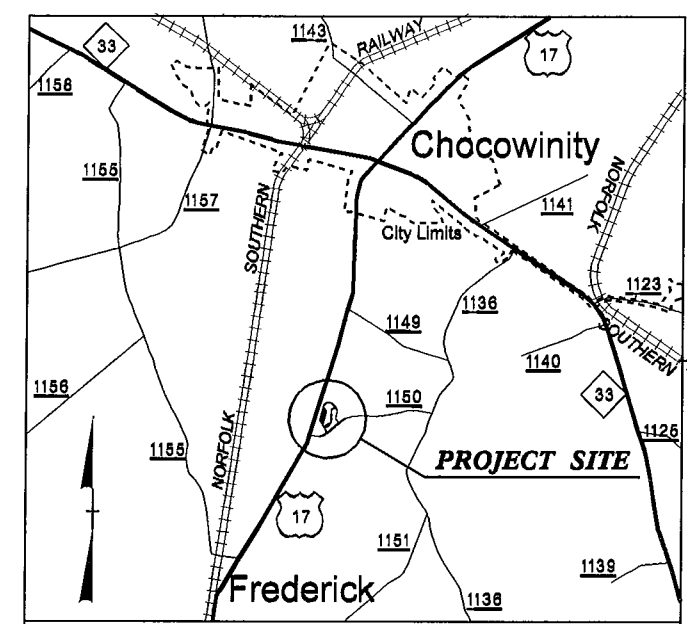
10 of 10

REVISED 03/05/2014

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

**NEU PLANS
BEAUFORT COUNTY**

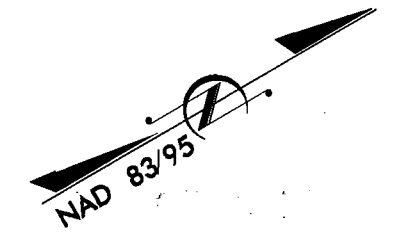
TIP PROJECT: K-3800



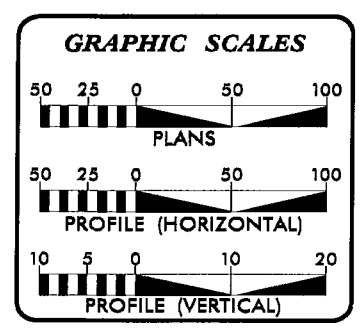
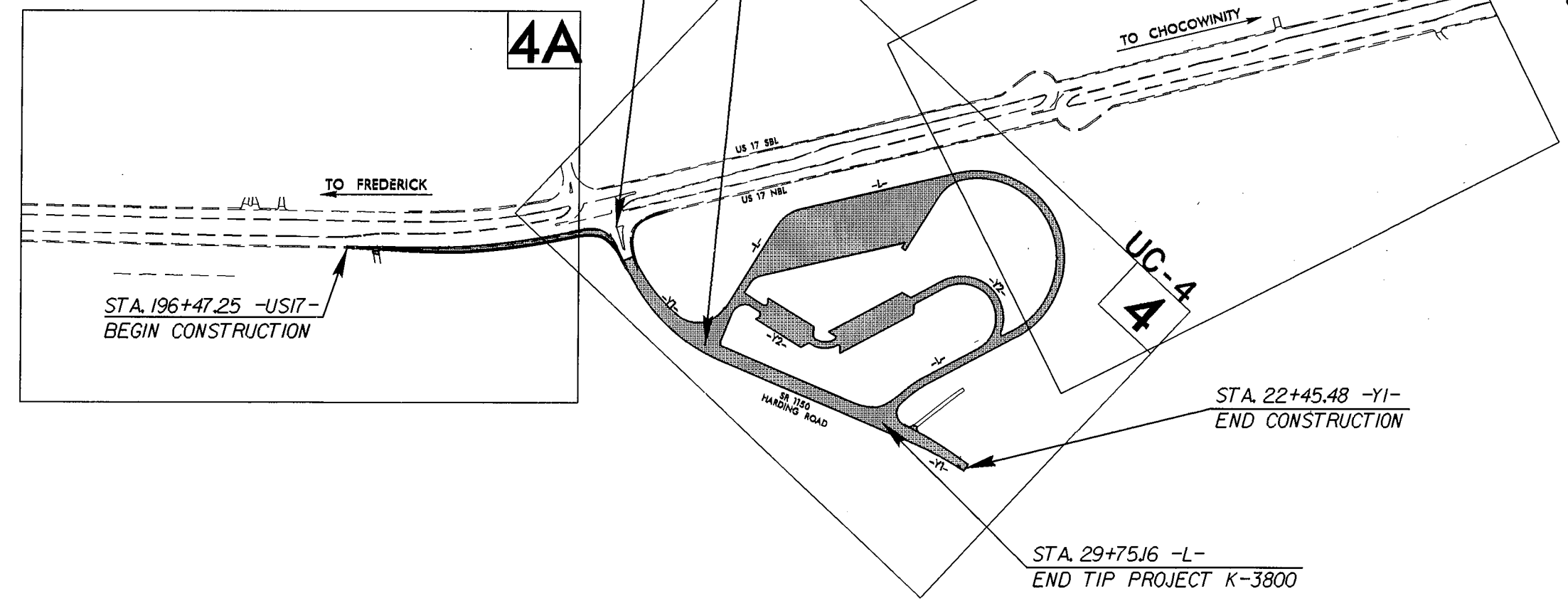
VICINITY MAP

LOCATION: US 17 REST AREA

TYPE OF WORK: RELOCATION OF WATER AND SEWER
 STA. 10+00.00 -L-
 BEGIN TIP PROJECT K-3800
 STA. 10+47.13 -YI-
 BEGIN CONSTRUCTION



Utility Permit Drawing
Sheet 1 of 4

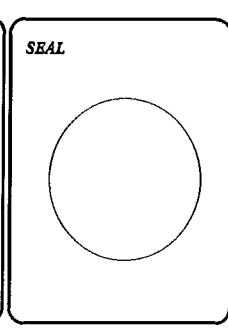


INDEX OF SHEETS

SHEET NO.	DESCRIPTION
UC-1	TITLE SHEET
UC-4	PLAN SHEET

WATER AND SEWER OWNERS ON PROJECT

(1) WATER - BEAUFORT COUNTY
 (2) SANITARY SEWER - TOWN OF CHOCOWINITY



PREPARED IN THE OFFICE OF:
 DIVISION OF HIGHWAYS
 UTILITIES UNIT
 UTILITIES ENGINEERING

1591 MAIL SERVICES CENTER
 RALEIGH, NC 27699-1591
 PHONE (919) 707-6690
 FAX (919) 250-4151

Roger Worthington, P.E. UTILITIES SECTION ENGINEER
 Corey Bousquet, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
 Mariko Hafeez UTILITIES PROJECT DESIGNER

05-MAP-2014 14:34
 R:\UT\11\Engineering\NEU\Permit Plans and Narrative\K3800_ut_tsh_UC1_psh.dgn
 \$\$\$USERNAME\$\$\$

5/14/95
07-MA5-P004 1124 Narrative-K-3800. Revised_NEU_Permit_UC4_psh.dgn

NOTES:

WATER LINES 1 AND 2 WILL BE OWNED BY BEAUFORT COUNTY

CONCRETE ENCASEMENT

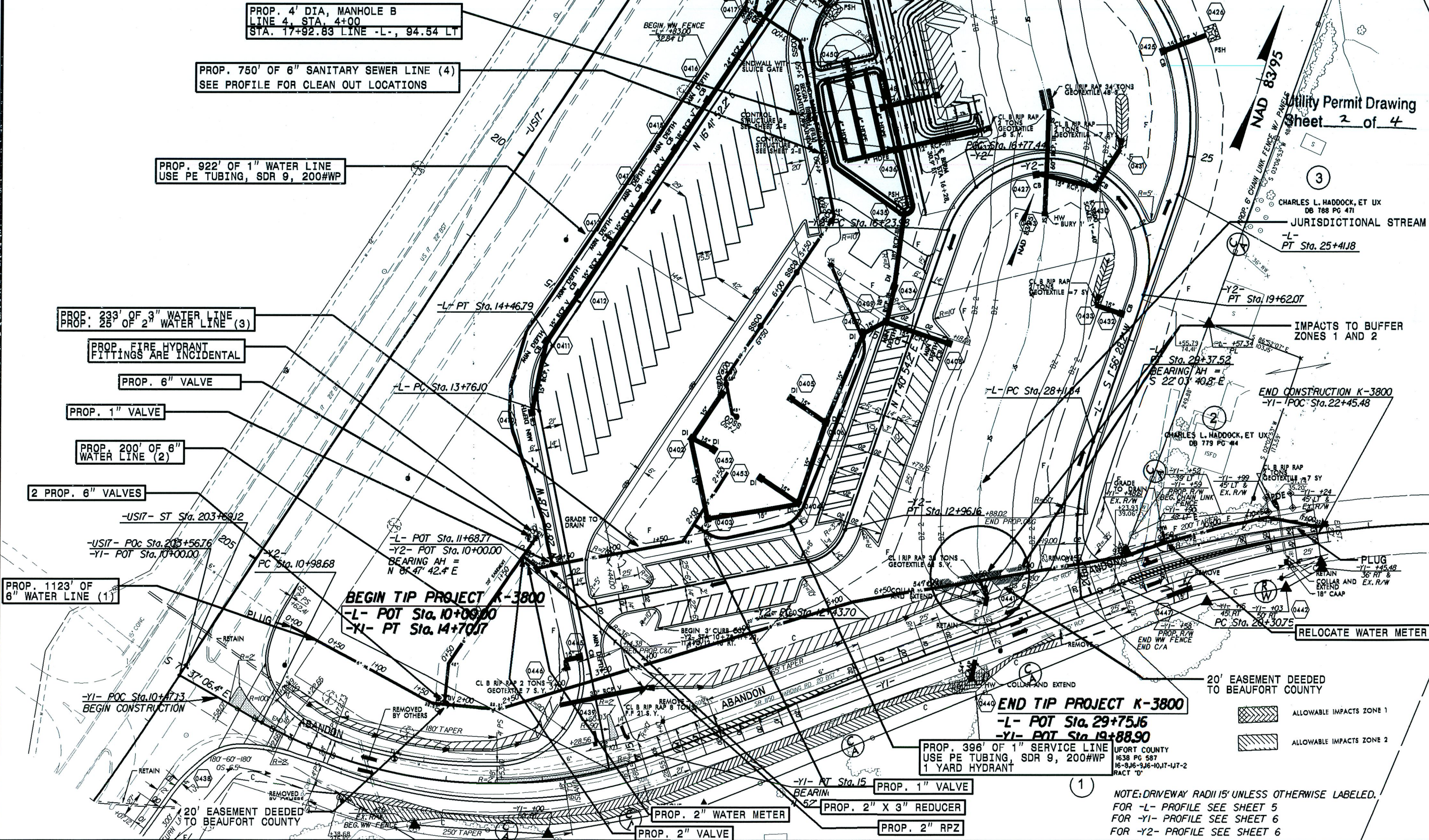
MATCH LINE SEE SHEET UC-4A

PROJECT REFERENCE NO.	K-3800	SHEET NO.	UC-4
DESIGNED BY:	MEH		
DRAWN BY:	MEH		
CHECKED BY:	CDB		
APPROVED BY:	CDB		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151			
UTILITY CONSTRUCTION PLANS ONLY			

UTILITY CONSTRUCTION

Utility Permit Drawing Sheet 2 of 4

CHARLES L. HADDOCK, ET UX DB 788 PG 471 JURISDICTIONAL STREAM



PROP. 4' DIA, MANHOLE B
LINE 4, STA. 4+00
STA. 17+92.83 LINE -L-, 94.54 LT

PROP. 750' OF 6" SANITARY SEWER LINE (4)
SEE PROFILE FOR CLEAN OUT LOCATIONS

PROP. 922' OF 1" WATER LINE
USE PE TUBING, SDR 9, 200#WP

PROP. 233' OF 3" WATER LINE
PROP. 25' OF 2" WATER LINE (3)

PROP. FIRE HYDRANT
FITTINGS ARE INCIDENTAL

PROP. 6" VALVE

PROP. 1" VALVE

PROP. 200' OF 6" WATER LINE (2)

2 PROP. 6" VALVES

-USIT- ST Sta. 203+69.12

-USIT- POC Sta. 203+56.76
-Y1- POT Sta. 10+00.00

PROP. 1123' OF 6" WATER LINE (1)

BEGIN TIP PROJECT K-3800
-L- POT Sta. 10+00.00
-Y1- PT Sta. 14+70.17

-L- POT Sta. 11+68.71
-Y2- POT Sta. 10+00.00
BEARING AH =
N 8° 47' 42.4" E

20' EASEMENT DEEDED TO BEAUFORT COUNTY

END TIP PROJECT K-3800
-L- POT Sta. 29+75.16
-Y1- POT Sta. 19+88.90

PROP. 396' OF 1" SERVICE LINE
USE PE TUBING, SDR 9, 200#WP
1 YARD HYDRANT

PROP. 1" VALVE

PROP. 2" WATER METER

PROP. 2" X 3" REDUCER

PROP. 2" VALVE

PROP. 2" RPZ

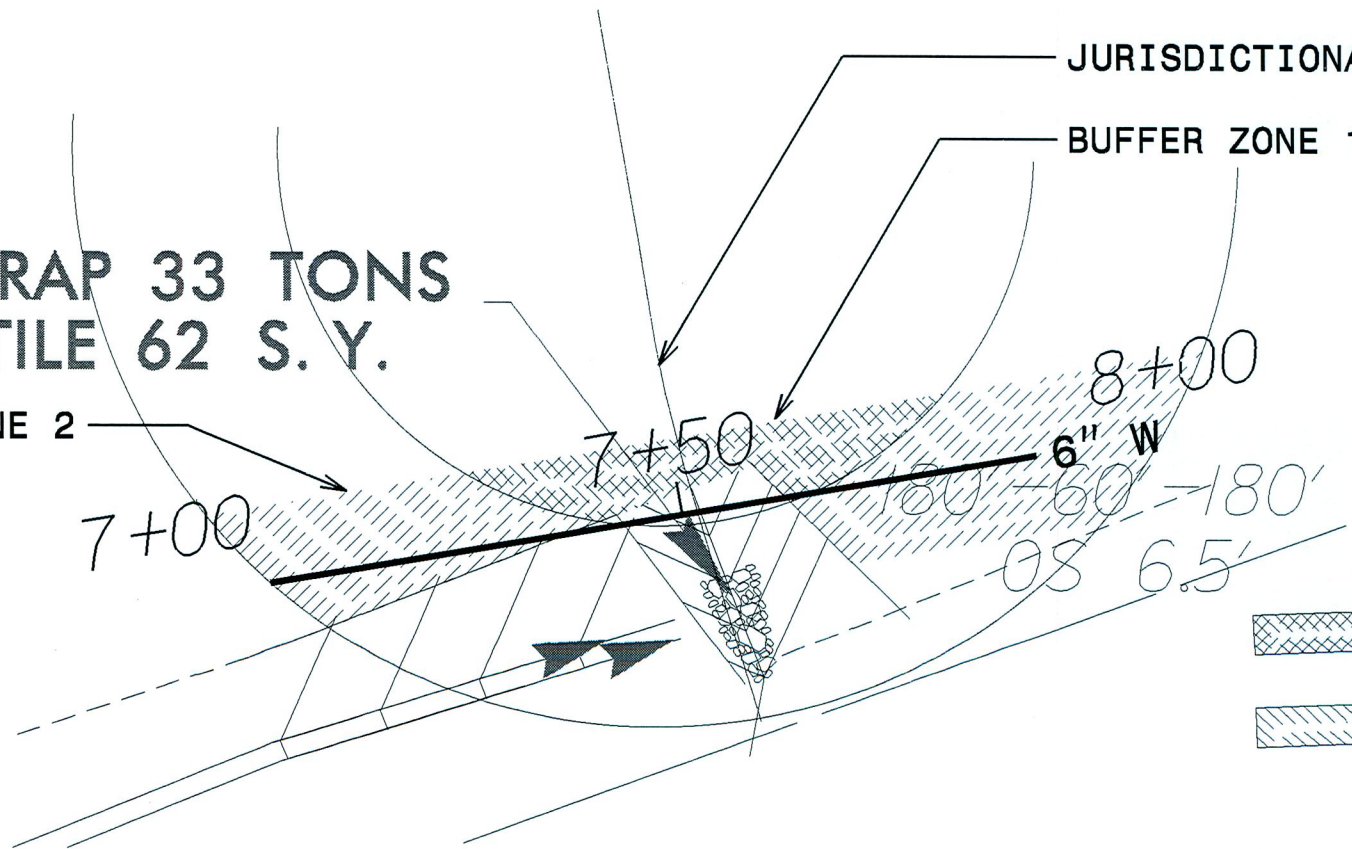
NOTE: DRIVEWAY RADII IS' UNLESS OTHERWISE LABELED.
FOR -L- PROFILE SEE SHEET 5
FOR -Y1- PROFILE SEE SHEET 6
FOR -Y2- PROFILE SEE SHEET 6

CL I RIP RAP 33 TONS
GEOTEXTILE 62 S. Y.

BUFFER ZONE 2

JURISDICTIONAL STREAM

BUFFER ZONE 1



- ALLOWABLE IMPACTS ZONE 1
- ALLOWABLE IMPACTS ZONE 2

BUFFER IMPACTS SUMMARY

SITE NO.	STRUCTURE SIZE / TYPE	STATION (FROM/TO)	IMPACT									BUFFER REPLACEMENT	
			TYPE			ALLOWABLE			MITIGABLE			ZONE 1 (ft ²)	ZONE 2 (ft ²)
			ROAD CROSSING	BRIDGE	PARALLEL IMPACT	ZONE 1 (ft ²)	ZONE 2 (ft ²)	TOTAL (ft ²)	ZONE 1 (ft ²)	ZONE 2 (ft ²)	TOTAL (ft ²)		
1	6" Water Line	-Y1- 19+05 to 19+43	x			231	752	983					
TOTAL:						231	752	983	0	0	0		

N.C. DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS

 BEAUFORT COUNTY
 PROJECT: 38748.1.1 (K-3800)

 3/5/2014
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