



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

March 1, 2011

Mr. Ronnie Smith
U.S. Army Corps of Engineers
Wilmington Field Office
P.O. Box 1890
Wilmington, NC 28402-1890

Subject: **Permit Modification Request for the Individual Section 404 Permit and Individual Water Quality Certification** for the proposed widening of SR 1003 (Camden Rd) from NC 59 (Hope Mills Rd) to Owen Drive (SR 1007) in Cumberland County. Federal Aid. No. STP-1003(22), State Project No. 82442601, TIP No. U-2810. Debit \$570 from WBS 34866.1.1

Reference: Original Permit Application requested September 24, 2008
Section 404 Individual Permit issued February 12, 2009; USACE Permit No. SAW- 2008-02927
Section 401 Water Quality Certification issued December 18, 2008; NCDWQ Project No. 20081731
Section 404 and 401 Modification requested September 10, 2010
Section 401 Modification issued October 5, 2010; DWQ Project No. 20081731 v.2

Dear Sir:

Please see the enclosed revised permit drawings, roadway plan, and revised EEP Acceptance Letter dated February 23, 2011 for the above referenced project. The presence of a stream at site 7 (Sta. 97+36 -L-) on the U-2810 C section was determined after the Jurisdictional Determination (dated November 13, 2003) and the original permit application (dated September 24, 2008). Compensatory mitigation for the additional 11 feet of stream impact will be provided by EEP. A copy of the acceptance letter is included with this request. The additional impacts of 11 feet increases total stream impacts for the entire U-2810 project to 284 linear feet. Wetland impacts remain unchanged at 1.10 acres.

Section 404 Permit: NCDOT requests that the U.S. Army Corps of Engineers (USACE) review this application and issue a modification for the Individual 404 Permit issued February 12, 2009, as required for the above-described activities.

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

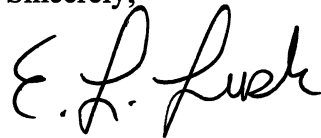
TELEPHONE: 919-431-2000
FAX: 919-431-2002
WEBSITE: WWW.NCDOT.ORG

LOCATION:
4701 ATLANTIC AVENUE
SUITE 116
RALEIGH NC 27604

Section 401 Permit: NCDOT requests that the NCDWQ review this application and issue a modification for the Individual 401 Certification issued December 18, 2008, as required for the above-described activities. In accordance with 15A NCAC 2H .0501(a) we are providing five copies of this modification request to the North Carolina Department of Environmental and Natural Resources for their approval and \$570 to act as payment for processing the permit modification (see subject line).

A copy of this permit modification request and its distribution list will be posted on the NCDOT website at <http://www.ncdot.org/doh/preconstruct/pe/neu/permit.html> 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,

A handwritten signature in black ink, appearing to read "E. J. Thorpe".

for Gregory J. Thorpe, Ph.D., Manager
Project Development and Environmental Analysis Branch

Cc:

NCDOT Permit Application Standard Distribution List



February 23, 2011

Mr. Gregory J. Thorpe, Ph.D.
 Environmental Management Director
 Project Development and Environmental Analysis Branch
 North Carolina Department of Transportation
 1548 Mail Service Center
 Raleigh, North Carolina 27699-1548

Dear Dr. Thorpe:

Subject: EEP Mitigation Acceptance Letter:

U-2810, SR 1003 (Camden Road) Widening, Cumberland County

References: USACE 404 Individual Permit issued February 12, 2009 (USACE Action ID 2008-02927)

NCDWQ 401 Water Quality Certification issued December 18, 2008 (NCDWQ Project ID 2008-1731)

The purpose of this letter is to notify you that the Ecosystem Enhancement Program (EEP) will provide the additional stream mitigation for the subject project. Based on the information supplied by you on February 18, 2011, the additional impacts are located in CU 03030004 of the Cape Fear River Basin in the Southern Inner Coastal Plain (SICP) Eco-Region, and are as follows:

Table 1 – Additional Impacts and Associated Anticipated Mitigation Credits from EEP for TIP U-2810

Cape Fear 0303004 SICP	Stream			Wetlands			Buffer (Sq. Ft.)	
	Cold	Cool	Warm	Riparian	Non- Riparian	Coastal Marsh	Zone 1 (3:1)	Zone 2 (1.5:1)
Impacts (feet/acres)	0	0	11	0.20	0	0	0	0
Mitigation Units (Credits-up to 2:1)	0	0	22	0.40	0	0	0	0

This mitigation acceptance letter replaces the mitigation acceptance letter issued on June 16, 2010. EEP is currently providing stream and riparian wetland mitigation for the impacts associated with this project located in Cape Fear 03030004 as required by the 404 and 401 permits that were issued February 12, 2009 and December 18, 2008, respectively, as shown in the below table (in mitigation credits):

Dr. Thorpe
 TIP U-2810 Additional
 February 23, 2011
 Page Two

Table 2 – Total Impacts and Associated Anticipated Mitigation Credits from EEP for TIP U-2810

Impact Type	Permitted Impacts	Mitigation Required (Credits)	Additional Impact (for approval)	Anticipated Additional Mitigation (Credits)	Revised Total Impacts	Revised Total Anticipated Mitigation (Credits)
Stream	273.0	546.0	11.0	22.0	284.0	568.0
Riparian	0.90	1.80	0.20	0.40	1.10	2.20
Non-riparian	0	0	0	0	0	0

EEP commits to implementing sufficient compensatory stream and riparian wetland mitigation credits to offset the additional impacts associated with this project in accordance with the N.C. Department of Environment and Natural Resources' Ecosystem Enhancement Program In-Lieu Fee Instrument dated July 28, 2010. If the above referenced impact amounts are revised, then this mitigation acceptance letter will no longer be valid and a new mitigation acceptance letter will be required from EEP.

If you have any questions or need additional information, please contact Ms. Beth Harmon at 919-715-1929.

Sincerely,



William D. Gilmore, P.E.
 EEP Director

Cc: Mr. Ronnie Smith, USACE – Wilmington Regulatory Field Office
 Mr. Brian Wrenn, NC Division of Water Quality
 File: U-2810 Additional

Restoring... Enhancing... Protecting Our State



See Sheet 1-A For Index of Sheets

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

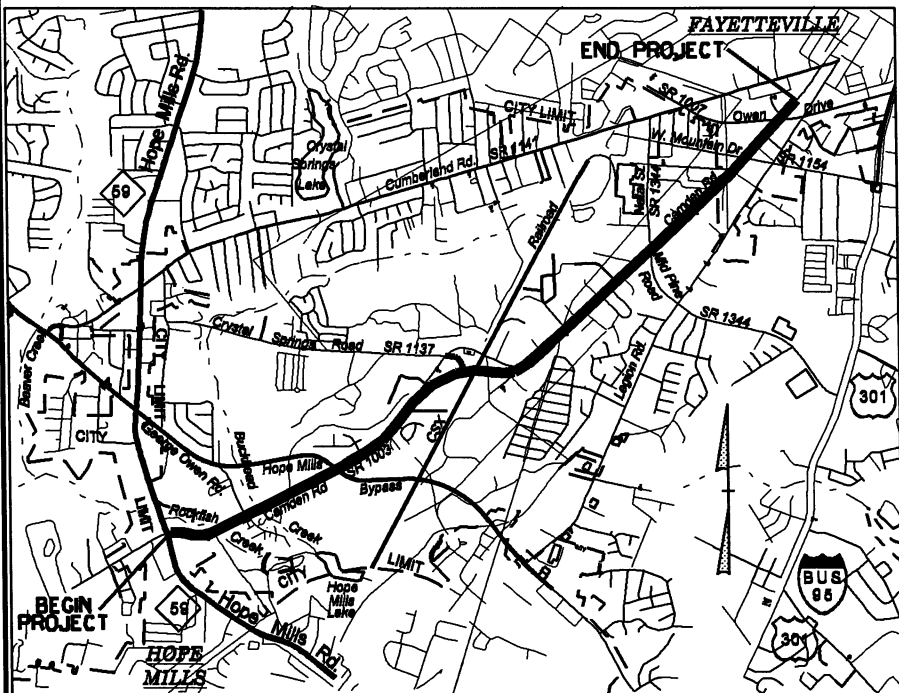
CUMBERLAND COUNTY

LOCATION: FAYETTEVILLE - SR 1003 (CAMDEN RD.) FROM
NC 59 (HOPE MILLS RD.) TO NORTH OF SR 1007 (OWEN DR.)

WETLAND /SURFACE WATER PERMIT

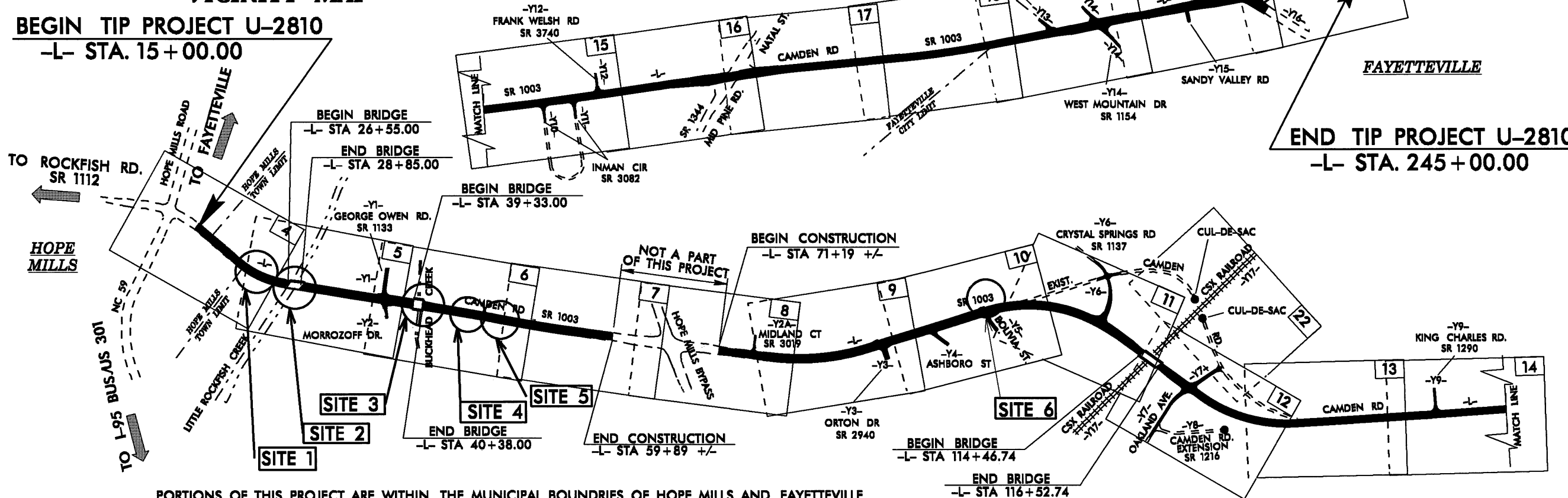
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-2810	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
34866.1.1	STP-1003(22)	P.E.	
34866.2.2	STP-1003(22)	RAW & UTIL	

TIP PROJECT: U-2810



VICINITY MAP

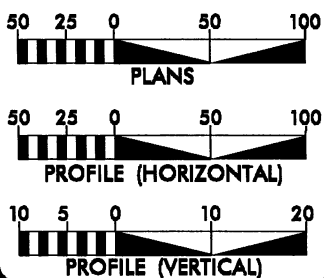
BEGIN TIP PROJECT U-2810
-L- STA. 15+00.00



END TIP PROJECT U-2810
-L- STA. 245+00.00

PORTIONS OF THIS PROJECT ARE WITHIN THE MUNICIPAL BOUNDARIES OF HOPE MILLS AND FAYETTEVILLE
NOTES: CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II

GRAPHIC SCALES



DESIGN DATA

ADT 2004 = 15,400
ADT 2030 = 26,800
DHV = 10 %
D = 60 %
T = 5 % *
V = 50 MPH
* TTST 1% DUAL 4%

PROJECT LENGTH

LENGTH ROADWAY TIP PROJ. U-2810 = 4.022 MILES +/-
LENGTH STRUCTURES TIP PROJ. U-2810 = 0.101 MILES +/-
TOTAL LENGTH OF TIP PROJ. U-2810 = 4.123 MILES +/-

Prepared In the Office of:
DIVISION OF HIGHWAYS
1000 Birch Ridge Dr., Raleigh NC, 27610

2006 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
SEPTEMBER 29, 2006

LETTING DATE:
N/A

ROGER D. THOMAS, P.E.
PROJECT ENGINEER

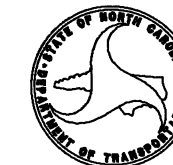
SAMUEL L. ST. CLAIR
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.
ROADWAY DESIGN ENGINEER

SIGNATURE: _____ P.E.

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA



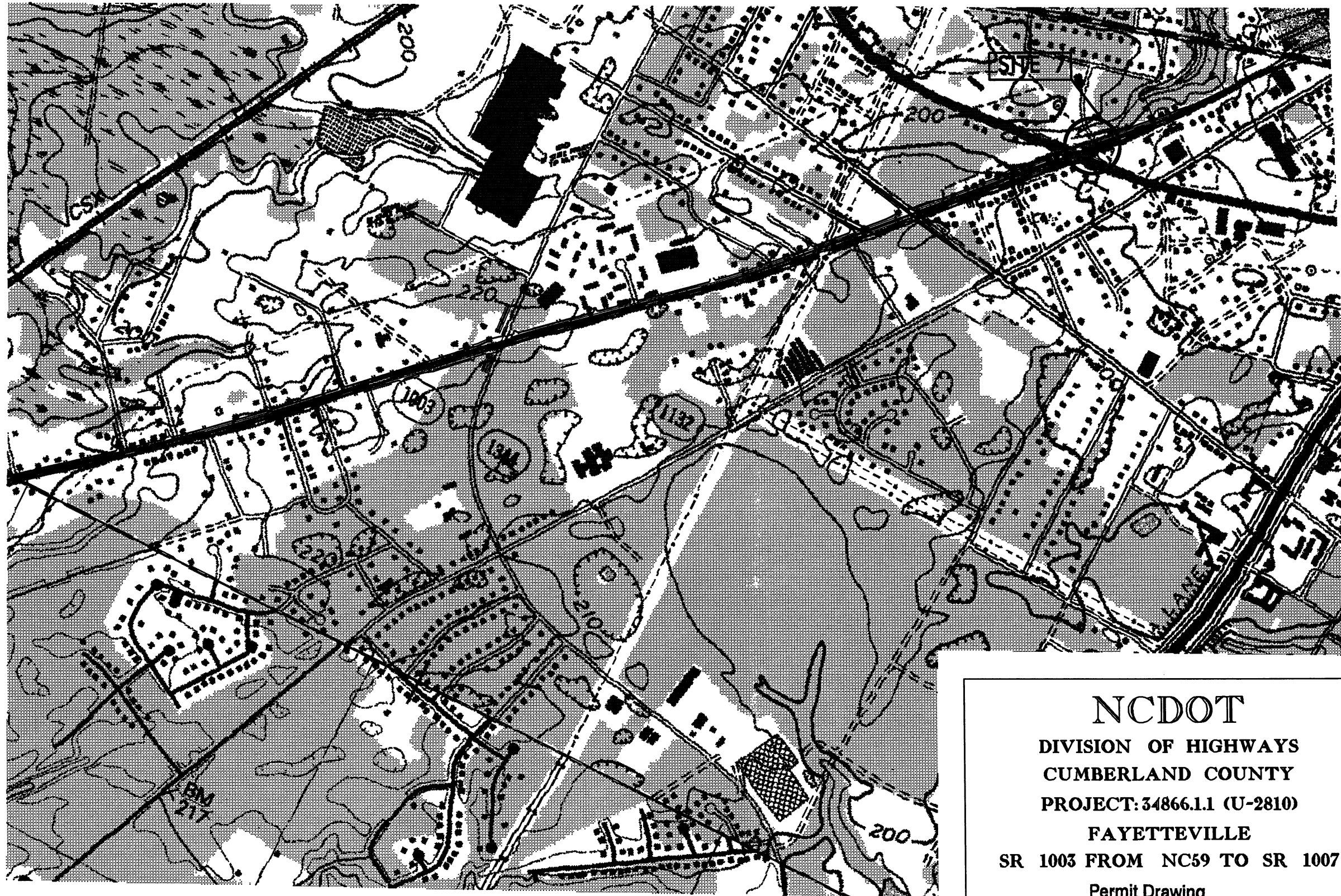
STATE HIGHWAY DESIGN ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

Permit Drawing
Sheet 1 of 26
REV. 2-18-11

CONTRACT:

\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$DGN\$\$\$\$\$
\$\$\$\$\$USERNAME\$\$\$\$\$



NOT TO SCALE PLAN VIEW

NCDOT
DIVISION OF HIGHWAYS
CUMBERLAND COUNTY
PROJECT: 34866.1.1 (U-2810)
FAYETTEVILLE
SR 1003 FROM NC59 TO SR 1007
Permit Drawing
Sheet 2 of 26
REV. 2-18-11
SHEET OF 12/14/10

WETLAND PERMIT IMPACT SUMMARY

Site No	Station (From/To)	Structure Size / Type	WETLAND IMPACTS					SURFACE WATER IMPACTS						
			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 Permanent (ft)	Existing Channel Impacts Temp (ft)	Natural Stream Design (ft)		
1	21+70 -L-	42" RCP								0.03	0.01	96	20	
2	27+70 -L-	BRIDGE LITTLE ROCKFISH L=230' 36" PRE GIRDER	0.62			0.26	0.08			0.00				
3	39+85.50-L-	BRIDGE BUCKHEAD CREEK L=105' 36" PRE GIRDER	0.00							0.00	0.00			
4	45+86 -L-	CULVERT 8'X6' BOX	0.01			0.01				0.03	0.01	98	20	
5	49+66 -L-	2 @ 30" RCP								0.02	0.01	79	20	
6	97+94 -L-	42" RCP	0.15			0.05								
7	232+60 -L-	bank stabilization								<0.01		11		
TOTALS:			0.78	0.00	0.00	0.32	0.08	0.08	0.08	0.08	0.03	284	60	

SITE 2 PERMANENT IMPACT AREA DUE TO BENT LOCATIONS IS 70 SF

Permit Drawing
Sheet 4 of 26
REV. 2-18-11

NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

CUMBERLAND COUNTY
 WBS - 34866 1 1 (U-2810)

2/18/2011

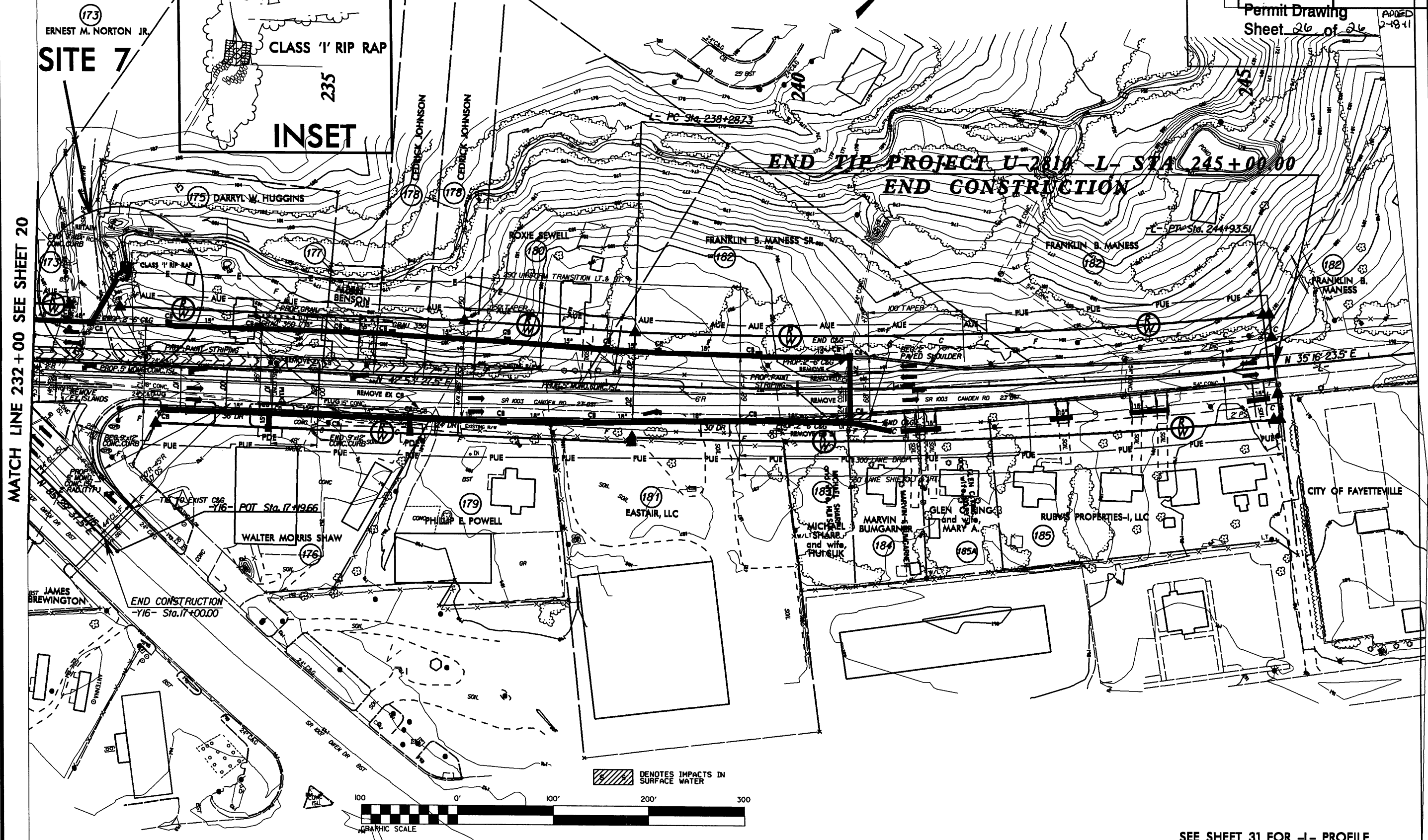
SHEET

8/17/99

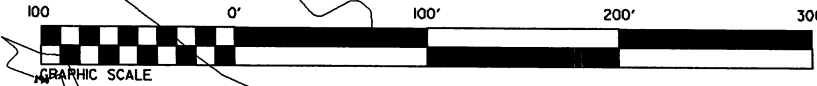
- L -
 PI Sta 241+61.61
 $\Delta = 7' 37" 03.9'$ (LT)
 $D = 1' 08" 45.3'$
 $L = 664.77'$
 $T = 332.88'$
 $R = 5,000.00'$
 SE = NC

PROJECT REFERENCE NO.	SHEET NO.
U-2810	21
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

Permit Drawing
 Sheet 26 of 26
 APP'D 2-18-11



/// DENOTES IMPACTS IN SURFACE WATER



SEE SHEET 31 FOR -L- PROFILE
 SEE SHEET 36 FOR -Y16- PROFILE

REVISIONS

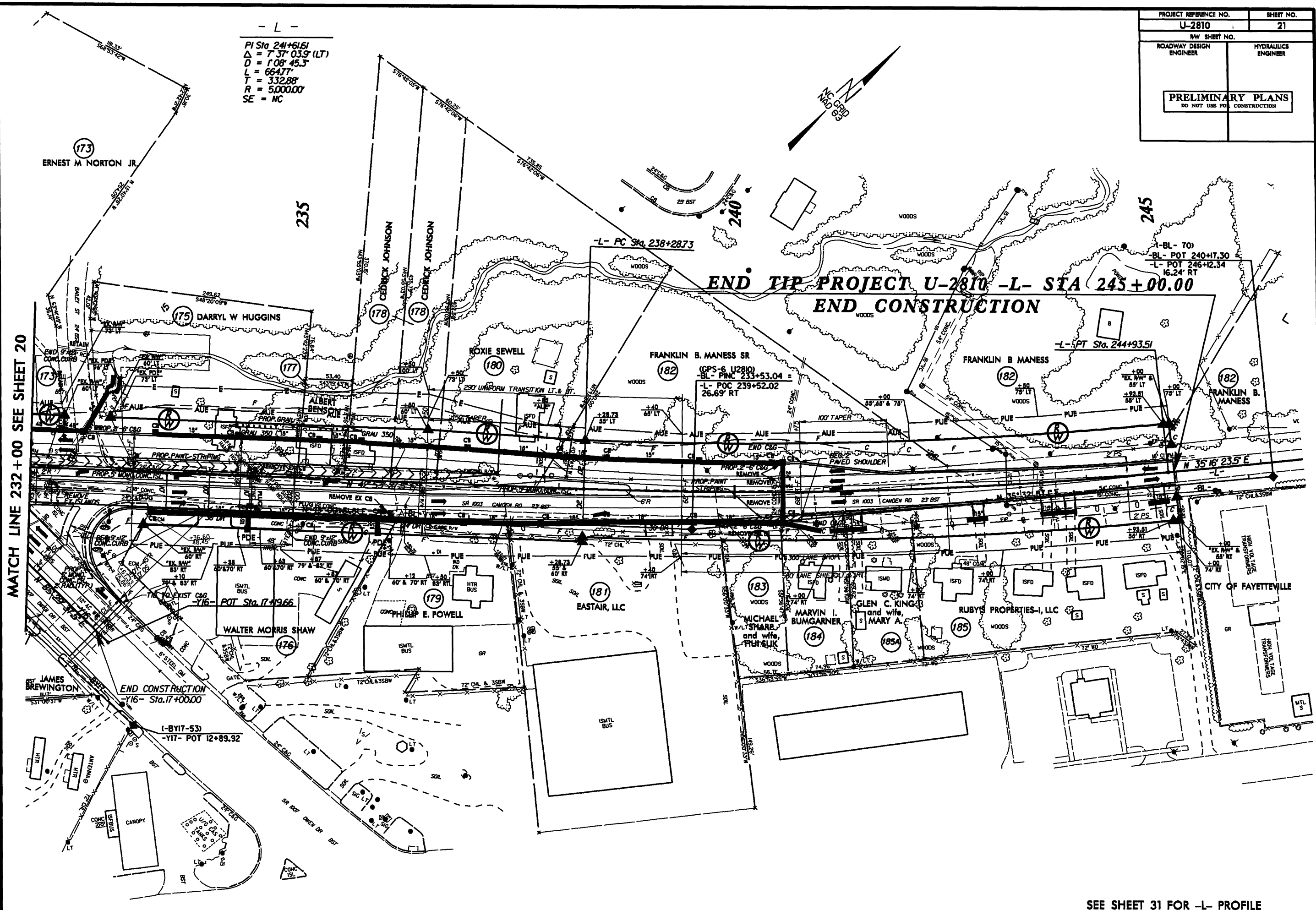
 SYSTEMS

- L -
 PI Sta 241+61.61
 $\Delta = 7' 37" 03.9' (LT)$
 $D = 1' 08" 45.3'$
 $L = 664.77'$
 $T = 332.88'$
 $R = 5000.00'$
 SE = NC

PROJECT REFERENCE NO. U-2810		SHEET NO. 21	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION			

MATCH LINE 232+00 SEE SHEET 20

END TIP PROJECT U-2810 -L- STA 245+00.00
END CONSTRUCTION



REVISIONS

 SYSTEM: C:\PROGRAMS\AUTOCAD\ACAD.PLT
 USER: JSM

SEE SHEET 31 FOR -L- PROFILE
 SEE SHEET 36 FOR -Y16- PROFILE