



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE  
GOVERNOR

EUGENE A. CONTI, JR.  
SECRETARY

September 10, 2010

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

Dear Sir:

Please see the enclosed revised permit drawings, roadway plan, and revised EEP Acceptance Letter dated June 16, 2010 for the above referenced project. The presence of a wetland at site 6 (Sta. 97+36 - L-) on the U-2810 B 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 0.20 acre of wetland impact will be provided by EEP. A copy of the acceptance letter is included with this request. The additional impacts of 0.20 acre increases total wetland impacts for the entire U-2810 project to 1.10 acres. Stream impacts remain unchanged at 273 linear feet.

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.

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

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**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](http://WWW.NCDOT.ORG)

**LOCATION:**  
4701 ATLANTIC AVENUE  
SUITE 116  
RALEIGH NC 27604



June 16, 2010

Mr. Tom Walker  
 U. S. Army Corps of Engineers  
 Wilmington Regulatory Field Office  
 69 Darlington Avenue  
 Wilmington, North Carolina 28403

Dear Mr. Walker:

Subject: EEP Mitigation Acceptance Letter:

**U-2810B**, Widening SR 1003 (Camden Road) from South of SR 3019 (Midland Court) to South of SR 1290 (King Charles Road), Cumberland County

The purpose of this letter is to notify you that the Ecosystem Enhancement Program (EEP) will provide the compensatory riparian wetland mitigation for the unavoidable impact associated with the above referenced project. Based on the information supplied by the NCDOT on June 9, 2010, the impacts are located in CU 03030004 of the Cape Fear River Basin in the Southern Inner Coastal Plain (SICP) Eco-Region, and the anticipated mitigation credits needed to offset the impacts are as follows:

Cape Fear 03030004 SICP	Stream			Wetlands			Buffer (Sq. Ft.)	
	Cold	Cool	Warm	Riparian	Non-Riparian	Coastal Marsh	Zone 1	Zone 2
Impacts (feet/acres)	0	0	0	0.20	0	0	0	0
Mitigation Units (Credits-up to 2:1)	0	0	0	0.40	0	0	0	0

Mitigation associated with this project will be provided in accordance with Section X of Amendment No. 2 to the Memorandum of Agreement between the N. C. Department of Environment and Natural Resources, the N. C. Department of Transportation, and the U. S. Army Corps of Engineers fully executed on March 8, 2007 (Tri-Party MOA). EEP commits to implement sufficient compensatory riparian wetland mitigation in the appropriate cataloging unit in the amount listed in the above table to offset the impacts associated with this project by the end of the MOA year in which this project is permitted. 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. Gregory J. Thorpe, Ph.D., NCDOT-PDEA  
 Mr. Brian Wrenn, Division of Water Quality, Wetlands/401 Unit  
 File: U-2810B

*Restoring... Enhancing... Protecting Our State*





June 16, 2010

Mr. Gregory J. Thorpe, Ph.D.  
Manager, 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-2810B**, Widening SR 1003 (Camden Road) from South of SR 3019 (Midland Court) to South of SR 1290 (King Charles Road), Cumberland County

The purpose of this letter is to notify you that the Ecosystem Enhancement Program (EEP) will provide the compensatory riparian wetland mitigation for the subject project. Based on the information supplied by you on June 9, 2010, the 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:

Cape Fear 03030004 SICP	Stream			Wetlands			Buffer (Sq. Ft.)	
	Cold	Cool	Warm	Riparian	Non-Riparian	Coastal Marsh	Zone 1	Zone 2
Impacts (feet/acres)	0	0	0	0.20	0	0	0	0
Mitigation Units (Credits-up to 2:1)	0	0	0	0.40	0	0	0	0

EEP commits to implementing sufficient compensatory riparian wetland mitigation credits to offset the impacts associated with this project by the end of the MOA Year in which this project is permitted, in accordance with Section X of the Amendment No. 2 to the Memorandum of Agreement between the North Carolina Department of Environment and Natural Resources, the North Carolina Department of Transportation, and the U. S. Army Corps of Engineers, fully executed on March 8, 2007. 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. Tom Walker, USACE – Wilmington Regulatory Field Office  
Mr. Brian Wrenn, Division of Water Quality, Wetlands/401 Unit  
File: U-2810B

*Restoring... Enhancing... Protecting Our State*



STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

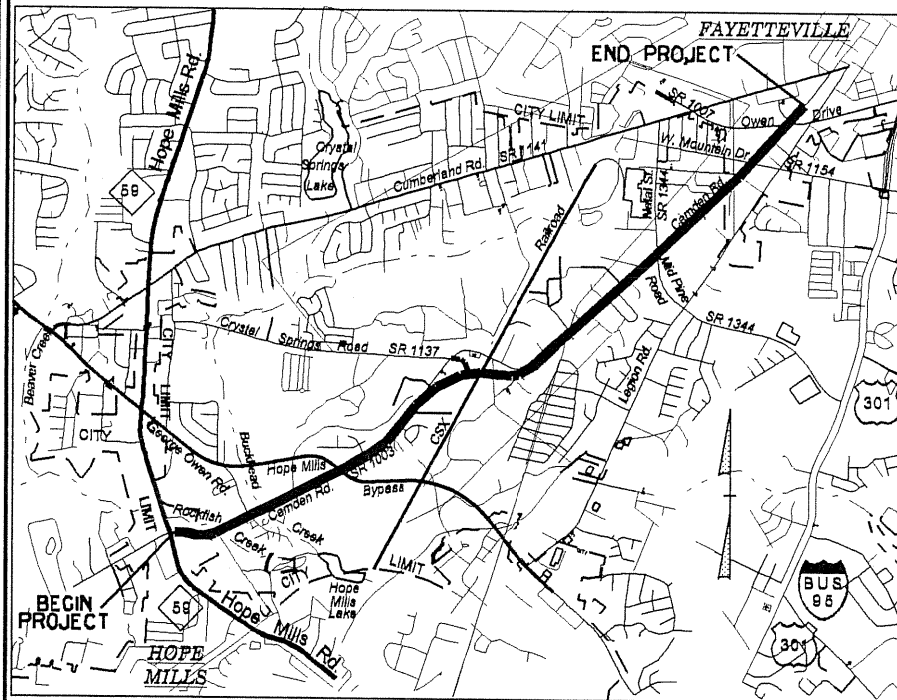
# CUMBERLAND COUNTY

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

## WETLAND /SURFACE WATER PERMIT

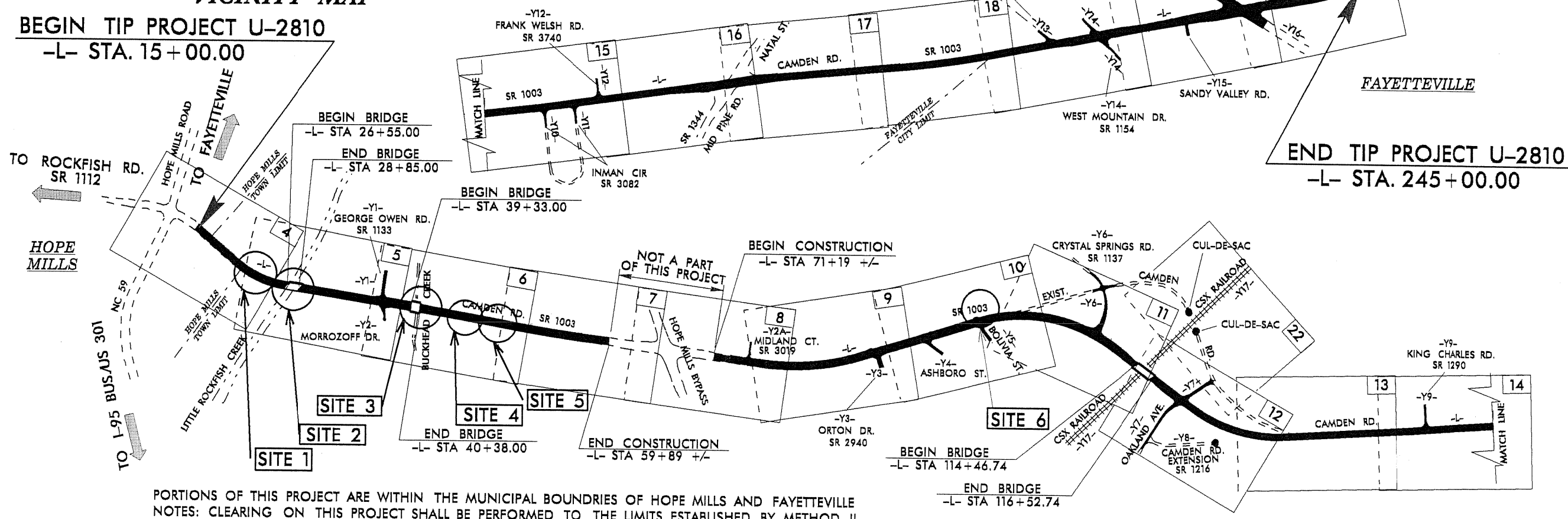
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-2810	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
34866.1.1	STP-1003(22)	P.E.	
34866.2.2	STP-1003(22)	RAW & UTIL	

Permit Drawing *rev'd*  
Sheet 1 of 24 *0-2-10*  
PRELIMINARY PLANS  
DO NOT USE FOR CONSTRUCTION



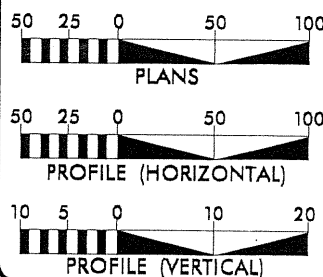
VICINITY MAP

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



PORTIONS OF THIS PROJECT ARE WITHIN THE MUNICIPAL BOUNDRIES 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



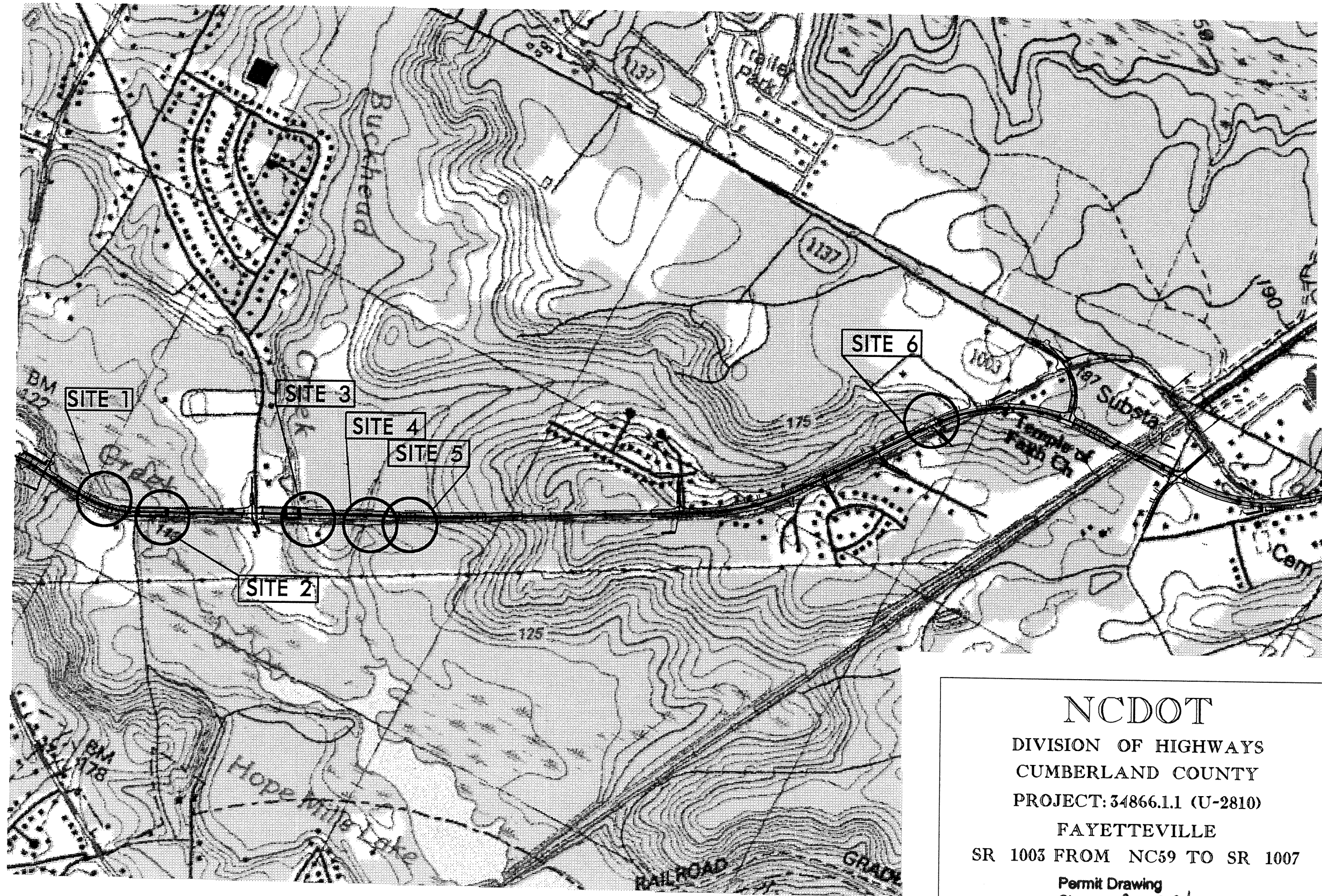
STATE HIGHWAY DESIGN ENGINEER

TIP PROJECT: U-2810

CONTRACT:

\$\$\$\$\$SYTIME\$\$\$\$\$  
\$\$\$\$\$DCN\$\$\$\$\$  
\$\$\$\$\$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 24  
 SHEET OF SHEET  
 Rev'd 6/2/10

# PROPERTY OWNERS

## NAMES AND ADDRESSES

PARCEL NO.	NAMES	ADDRESSES
4	NEIL SMITH	5301 CAMDEN ROAD, FAYETTEVILLE, NC 28306
5	NEIL SMITH	5301 CAMDEN ROAD, FAYETTEVILLE, NC 28306
6	NEIL SMITH	5301 CAMDEN ROAD, FAYETTEVILLE, NC 28306
7	BEVERLY MATTHEWS	PO BOX 39, HOPE MILLS, NC 28348
11	KATHERINE WARD	PO BOX 747, FAYETTEVILLE, NC 28302
12	MARY ALMA GILLIS	8621 CALATIA CHURCH RD FAYETTEVILLE, NC 28306
37	HENRY R. FAIRFAX	RR20, BOX 876 FAYETTEVILLE, NC 28306
40	PETER R. EVANS JR.	562 ALLEGHANY RD. FAYETTEVILLE, NC 28304-3220

NCDOT

DIVISION OF HIGHWAYS

CUMBERLAND COUNTY

PROJECT: 34866.1.1 (U-2810)

FAYETTEVILLE

SR 1003 FROM

NC 59 TO NORTH OF SR 1007

Permit Drawing

Sheet 3 of 24

Revised

SHEET

OF

6/2/10

**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)
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	0.00				
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					
<b>TOTALS:</b>			0.78	0.00	0.00	0.32	0.08	0.08	0.03	273	60

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

NC DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

CUMBERLAND COUNTY

WBS - 34866.1.1. (U-2810)

Permit Drawing

Sheet 4 of 24 Rev'd 6/29/2010

SHEET

PROJECT REFERENCE NO.	U-2810B	SHEET NO.	6
R/W SHEET NO.	10 (U-2810)	ADDED	
ROADWAY DESIGN ENGINEER	PERMIT DRAWING	SHEET	21 of 24
	HYDRAULICS ENGINEER		
	PRELIMINARY PLANS	DO NOT USE FOR CONSTRUCTION	
	Added		6-2-10

-L-

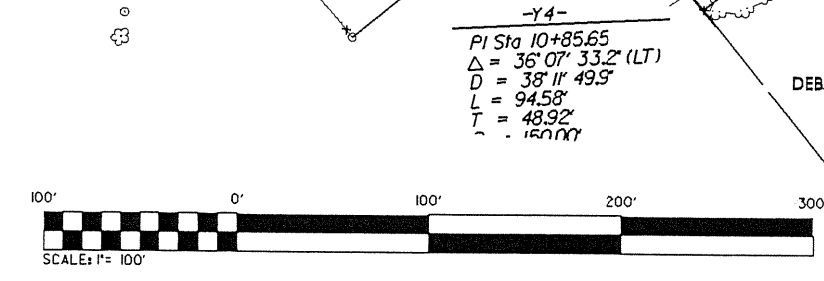
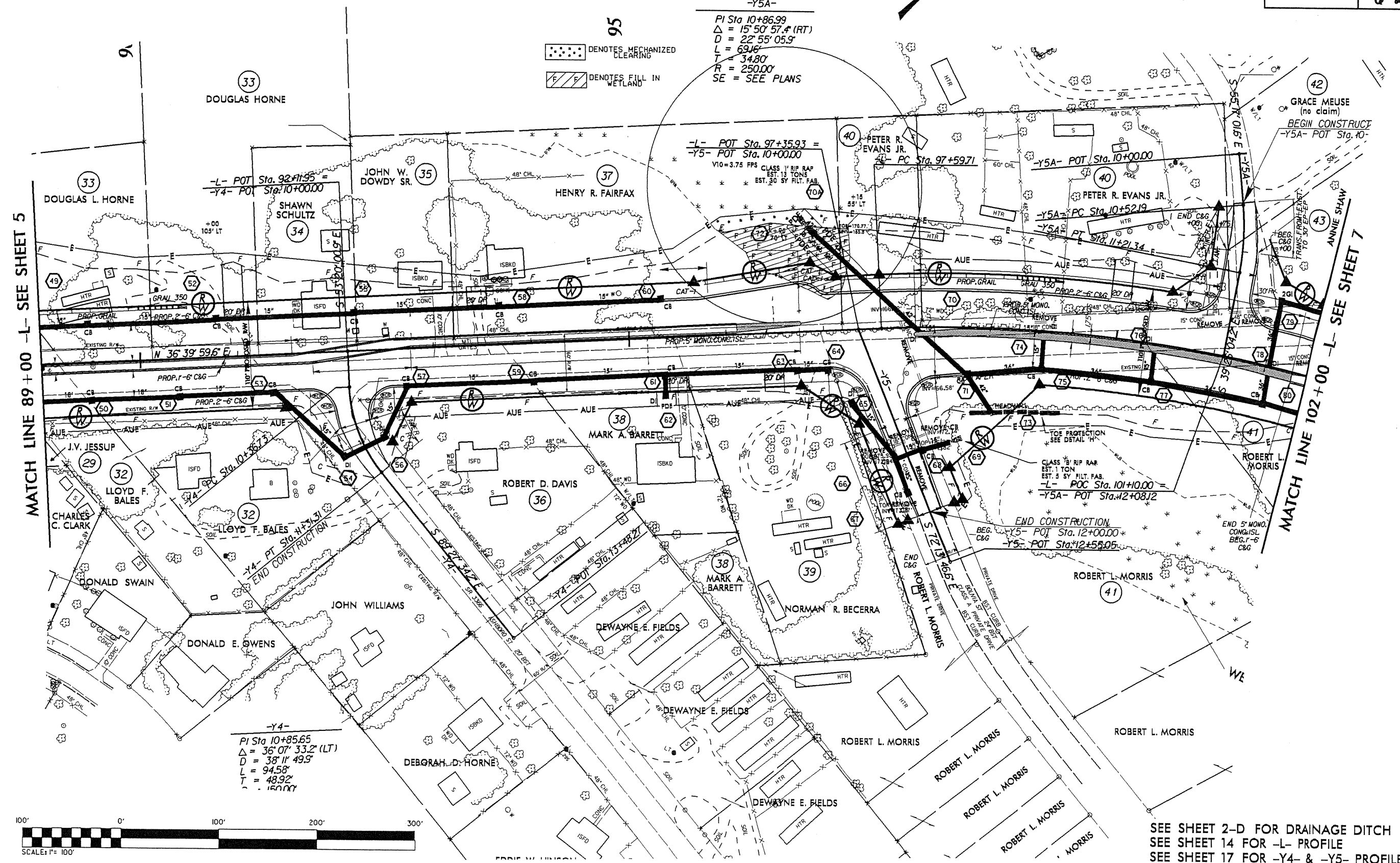
PI Sta 104+87.82  
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 $D = 3^\circ 58' 04.3''$   
 $L = 1,348.76'$   
 $T = 728.10'$   
 $R = 1,444.00'$   
 $SE = 0.04$   
 $RO = \text{SEE PI}$

-Y5A-

PI Sta 10+86.99  
 $\Delta = 15^\circ 50' 57.4''$  (RT)  
 $D = 22^\circ 55' 05.9''$   
 $L = 69.16'$   
 $T = 34.80'$   
 $R = 250.00'$   
 $SE = \text{SEE PLANS}$

# SITE 6

DENOTES MECHANIZED CLEARING  
 DENOTES FILL IN WETLAND



R/W REV.(1/8/09) - ADDED PERMANENT DRAINAGE EASEMENT ON PARCEL 38. S/S

SEE SHEET 2-D FOR DRAINAGE DITCH DETAILS  
SEE SHEET 14 FOR -L- PROFILE  
SEE SHEET 17 FOR -Y4- & -Y5- PROFILE  
SEE SHEET 18 FOR -Y5A- PROFILE



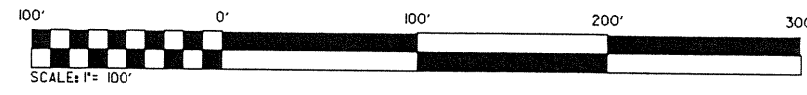
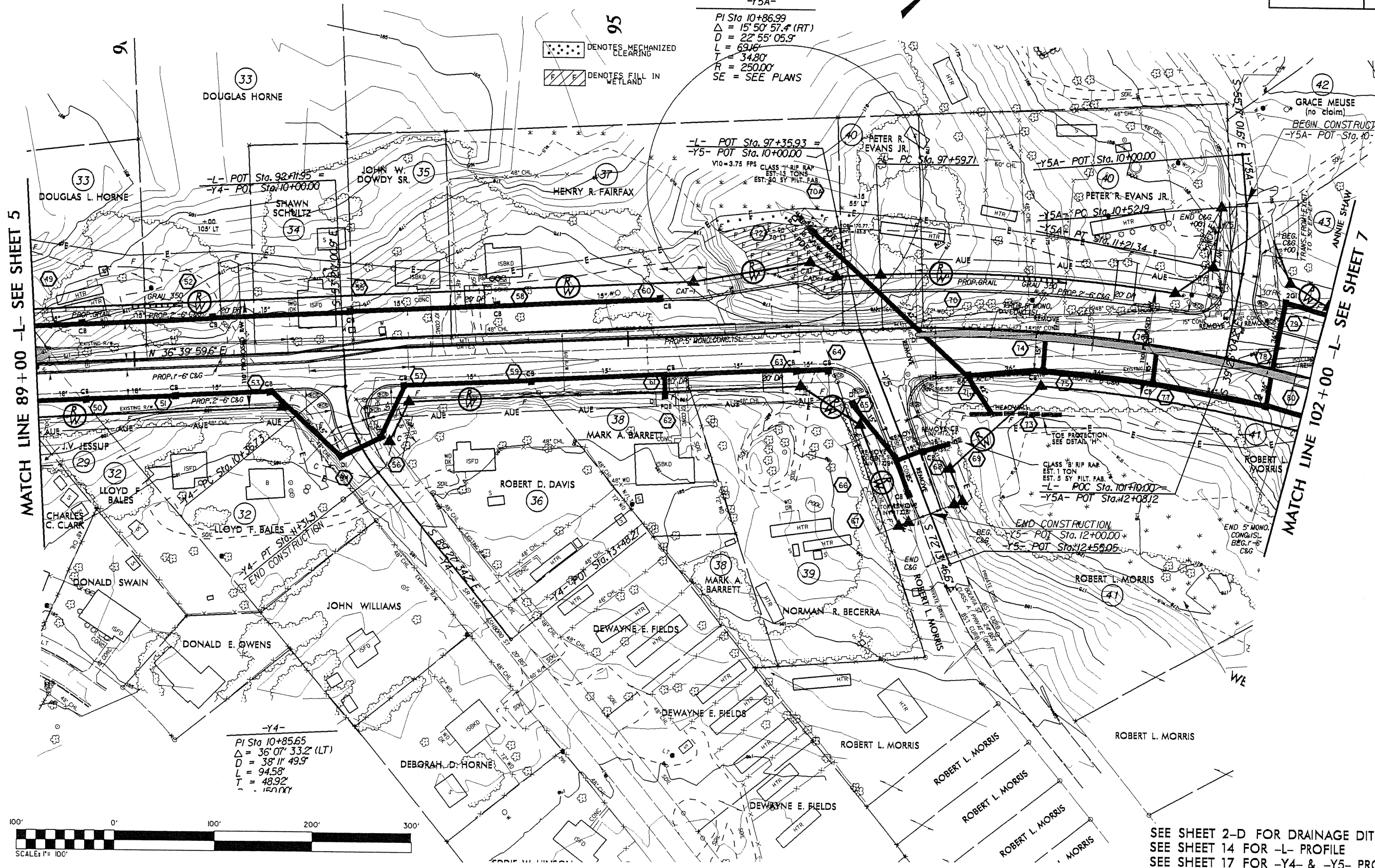
PROJECT REFERENCE NO.	SHEET NO.
U-2810B	6
RAW SHEET NO.	10 (U-2810)
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
Permit Drawing	
Sheet 22 of 24	
PRELIMINARY PLANS	DO NOT USE FOR CONSTRUCTION
	Added 6-14-10

# SITE 6

-L-  
 PI Sta 104+87.82  
 $\Delta = 53^\circ 31' 01.7" (RT)$   
 $D = 3' 58" 04.3"$   
 $L = 1,348.76'$   
 $T = 728.10'$   
 $R = 1,444.00'$   
 $SE = 0.04$   
 $RO = \text{SEE PI}$

-Y5A-  
 PI Sta 10+86.99  
 $\Delta = 15^\circ 50' 57.4" (RT)$   
 $D = 22' 55" 05.9"$   
 $L = 69.16'$   
 $T = 34.80'$   
 $R = 250.00'$   
 $SE = \text{SEE PLANS}$

95  
 DENOTES MECHANIZED CLEARING  
 DENOTES FILL IN WETLAND



SEE SHEET 2-D FOR DRAINAGE DITCH DETAILS  
 SEE SHEET 14 FOR -L- PROFILE  
 SEE SHEET 17 FOR -Y4- & -Y5- PROFILE  
 SEE SHEET 18 FOR -Y5A- PROFILE

RAW REV. (1/8/09) - ADDED PERMANENT DRAINAGE EASEMENT ON PARCEL 38. sis

MATCH LINE 89+00 -L- SEE SHEET 5

MATCH LINE 102+00 -L- SEE SHEET 7

-Y4-  
 PI Sta 10+85.65  
 $\Delta = 36^\circ 07' 33.2" (LT)$   
 $D = 38' 11" 49.9"$   
 $L = 94.58'$   
 $T = 48.92'$   
 $R = 150.00'$

CLASS 8' RIP RAE  
 EST. 1 TON  
 EST. 5 SY FILT. FAB.  
 -L- POC Sta. 101+10.00  
 -Y5A- POT Sta. 102+08.12

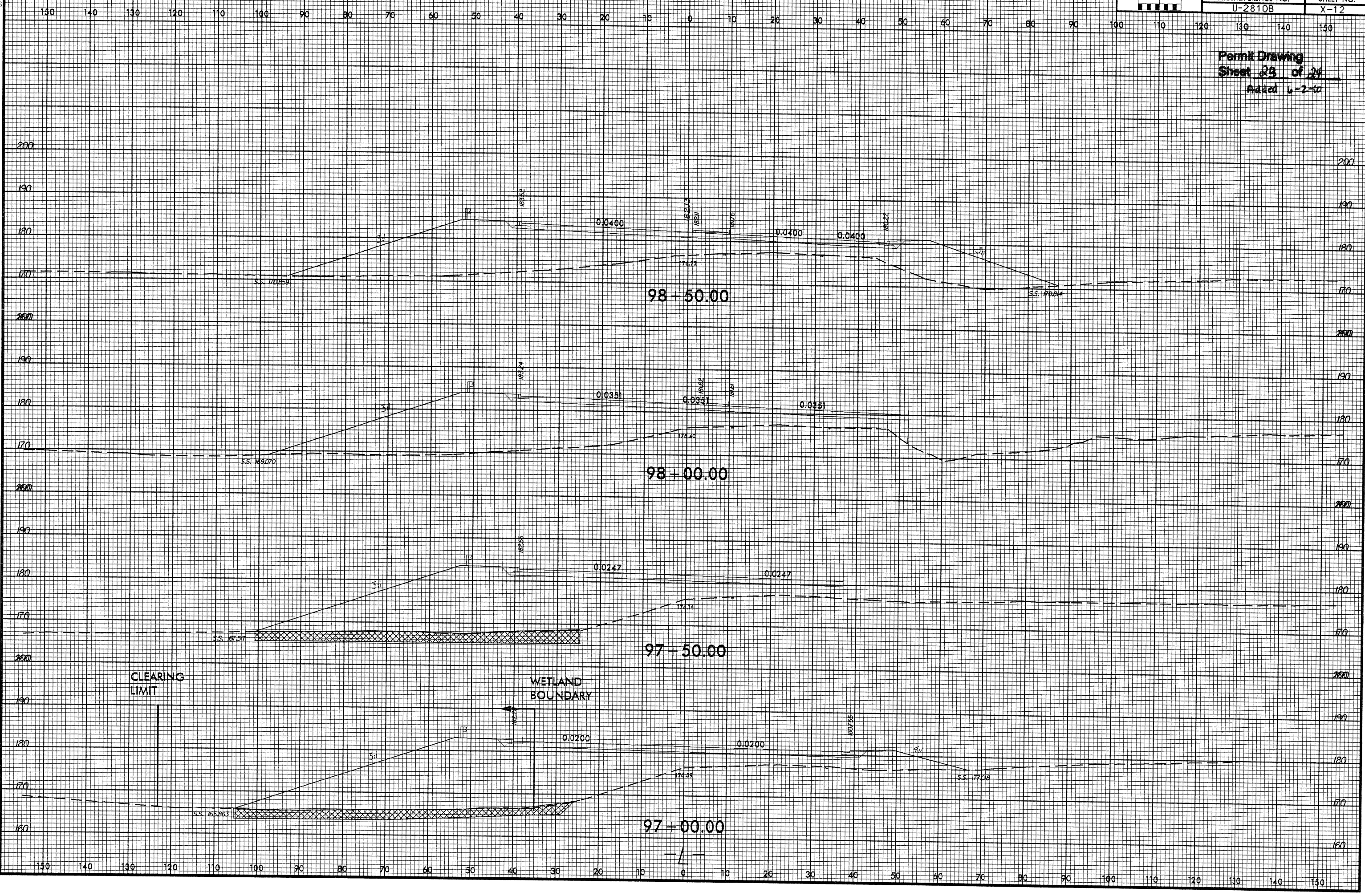
END CONSTRUCTION  
 -Y5- POT Sta. 12+00.00  
 -Y5- POT Sta. 12+55.05

BEGIN CONSTRUCTION  
 -Y5A- POT Sta. 10-

END 5' MONO. CONGRSL. BEG. 1' C&G

8/23

Permit Drawing  
 Sheet 23 of 24  
 Added 6-2-10

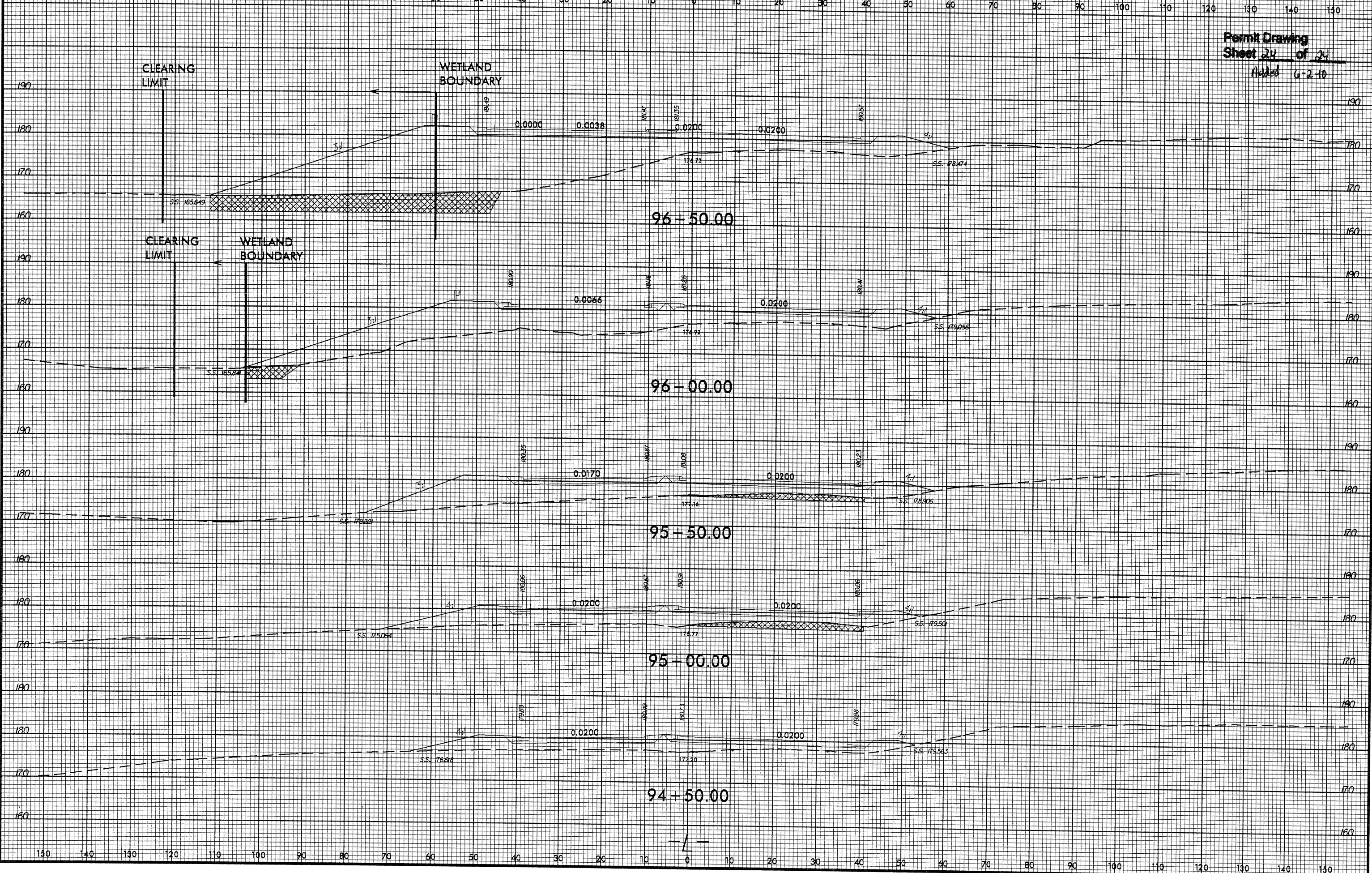


SYSTEMS TIME 8/23/10 10:00 AM  
 8/23/10 10:00 AM  
 8/23/10 10:00 AM



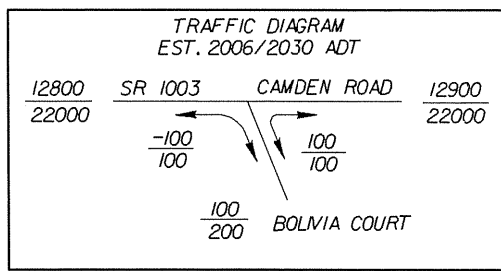
8.23

Permit Drawing  
 Sheet 24 of 24  
 Added 6-2-10



\*\*\*\*\* SYSTEM TIME \*\*\*\*\*  
 \*\*\*\*\* DATE/TIME \*\*\*\*\*  
 \*\*\*\*\* USER \*\*\*\*\*

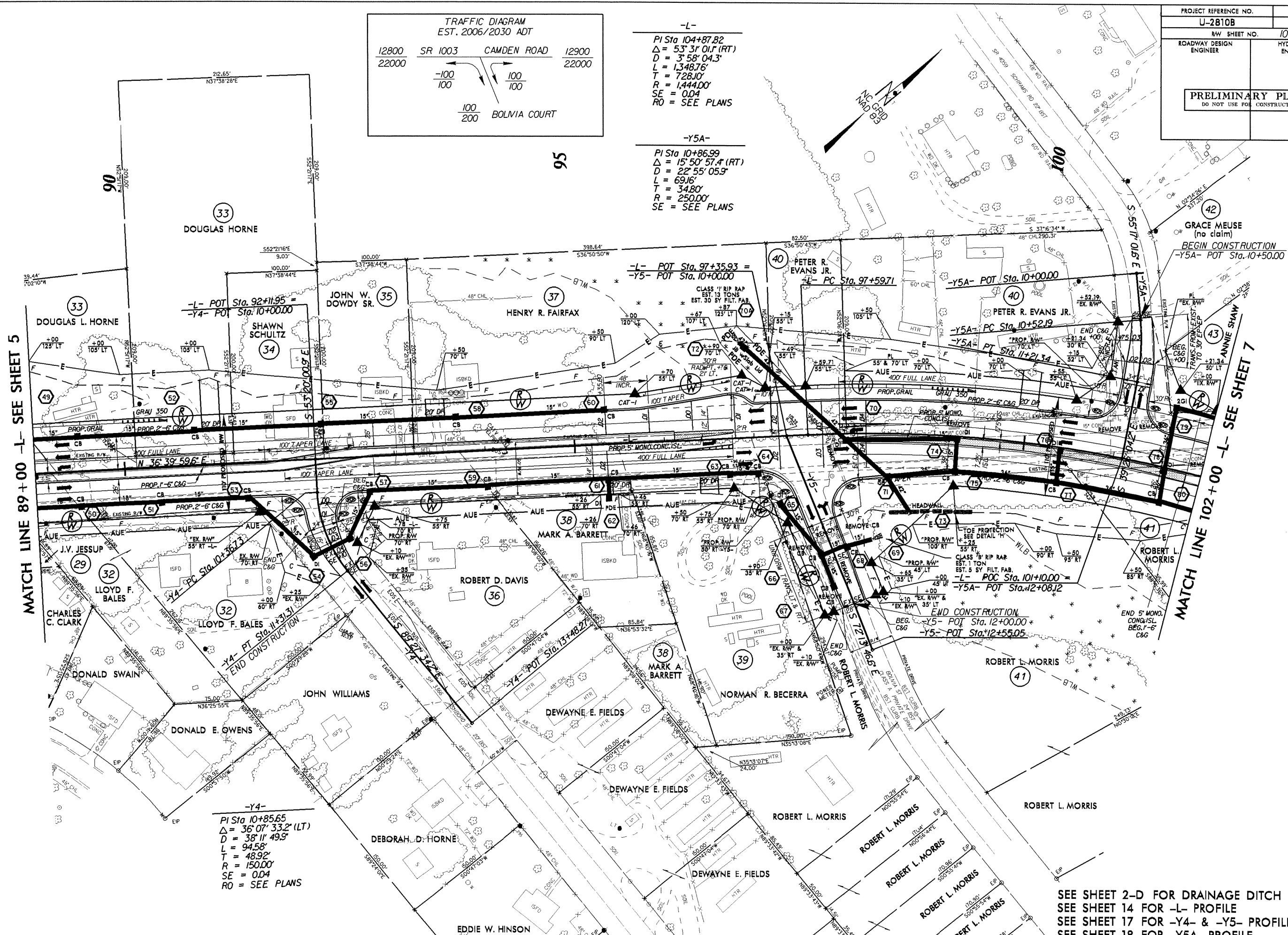
PROJECT REFERENCE NO.	SHEET NO.
U-2810B	6
R/W SHEET NO.	10 (U-2810)
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	



-L-  
 PI Sta 104+87.82  
 $\Delta = 53^\circ 31' 01.7''$  (RT)  
 $D = 3' 58' 04.3''$   
 $L = 1,348.76'$   
 $T = 728.10'$   
 $R = 1,444.00'$   
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-Y5A-  
 PI Sta 10+86.99  
 $\Delta = 15^\circ 50' 57.4''$  (RT)  
 $D = 22' 55' 05.9''$   
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 $T = 34.80'$   
 $R = 250.00'$   
 $SE = \text{SEE PLANS}$

-Y4-  
 PI Sta 10+85.65  
 $\Delta = 36^\circ 07' 33.2''$  (LT)  
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 $L = 94.58'$   
 $T = 48.92'$   
 $R = 150.00'$   
 $SE = 0.04$   
 $RO = \text{SEE PLANS}$



MATCH LINE 89+00 -L- SEE SHEET 5

MATCH LINE 102+00 -L- SEE SHEET 7

SEE SHEET 2-D FOR DRAINAGE DITCH DETAILS  
 SEE SHEET 14 FOR -L- PROFILE  
 SEE SHEET 17 FOR -Y4- & -Y5- PROFILE  
 SEE SHEET 18 FOR -Y5A- PROFILE

R/W REV. (1/8/09) - ADDED PERMANENT DRAINAGE EASEMENT ON PARCEL 38. sis  
 03-JUN-2010 09:50 u2810b\_rdy\_psh\_s6.dgn