



US Army Corps  
Of Engineers  
Wilmington District

# PUBLIC NOTICE

Issue Date: April 26, 2005

Comment Deadline: May 26, 2005

Corps Action ID #: 200510633

All interested parties are hereby advised that the Wilmington District, Corps of Engineers (Corps) has received an application for work within jurisdictional waters of the United States. Specific plans and location information are described below and shown on the attached plans. This Public Notice and all attached plans are also available on the Wilmington District Web Site at [www.saw.usace.army.mil/wetlands](http://www.saw.usace.army.mil/wetlands)

**Applicant:** North Carolina Department of Transportation  
Project Development & Environmental Analysis  
1548 Mail Service Center  
Raleigh, North Carolina 27699-1548

## Authority

The Corps will evaluate this application and decide whether to issue, conditionally issue, or deny the proposed work pursuant to applicable procedures of Section 404 of the Clean Water Act and Section 10 of the River and Harbor Act of 1899.

## Location

The proposed project is located on U.S. Highway 301 at bridge numbers 17 and 23 approximately 2 miles south of Enfield, crossing over and adjacent to Fishing Creek, Edgecombe and Nash County, North Carolina. The proposed project is located in the Tar-Pamlico River Basin, Hydrologic Unit 03020102. Latitude 36.1507994N, Longitude 77.6930663W

## Existing Site Conditions

The proposed work would permanently impact 1.36 acres of bottomland hardwood wetlands and 0.40 acres of surface waters. Temporary impacts resulting from the use of temporary work bridges will impact an additional 0.145 acres of surface waters. Additionally, 0.688 acres of wetlands will be impacted by hand clearing for the relocation of utilities. Bottomland hardwood wetlands are a high quality resource, which filter sediments and nutrients from Fishing Creek and provide very important functions for fish, wildlife and water quality.

## **Applicant's Stated Purpose**

Bridge numbers 17 and 23 are considered functionally obsolete and structurally deficient. The replacement of the inadequate bridge structures will result in safer and more efficient traffic operations.

## **Project Description**

The following description of work is taken from data provided by the applicant. Plans submitted with the application show the placement of fill material impacting a total of 1.36 acres of wetlands and 0.40 acres of surface waters. This includes 1.55 acres of permanent fill, and 0.20 acres of mechanized land clearing. These impacts are for the removal and replacement of Bridge numbers 17 and 23 and the extension of a culvert pipe located on U.S. Highway 301, crossing over Fishing Creek and Fishing Creek Overflow in Halifax and Edgecombe Counties. The project involves replacing both bridges at the existing locations but on slightly different alignments using staged construction. Stage One will involve building 31 feet in width of the proposed structures and roadway approaches. During construction of Stage One, traffic will be maintained on the existing bridges. Stage Two will include shifting traffic to the new structure, removing the existing bridges, and completing the proposed structures. A temporary work bridge will be utilized for the construction of the new bridges that will temporarily impact 0.145 acres of surface waters and 0.144 acres of wetlands (shading).

Currently, aerial electric power lines, and underground and over-head telephone lines run parallel along US Highway 301 throughout the project area. Prior to construction, Dominion Power plans to remove two poles for over-head power lines, and place three new ones in jurisdictional areas. In, addition, Sprint Corp. will remove 8 aerial telephone poles and abandon all buried lines. New telephone lines will be secured to the same poles with the electric power poles. Hand clearing will be used to prepare the utility easement extending 15 feet from the project right-of-way. Temporary impacts to wetlands from the new utility right-of-way equal 0.688 acres.

During project development, an off site detour was investigated, using SR's 1224, 1522, 1510, and 1421. This culminated in a detour totaling 8.3 miles. Subsequently, a road user analysis was performed based on 6,300 vehicles per day, at an average of 8.3 miles of indirect travel. As a result, the cost of additional travel was estimated to be approximately 6.2 million dollars during a twelve-month construction period.

Bridge No. 17 will be approximately 155 feet in length and Bridge No. 23, will be 175 feet long. The proposed structures will provide a 40-foot clear roadway width to allow for two 12-foot travel lanes with eight-foot shoulders, including four-foot paved shoulders.

NCDOT is proposing to use the North Carolina Ecosystem Enhancement Program to provide the necessary compensatory mitigation for the unavoidable wetland impacts associated with the project.

The applicant has considered several alternatives to the proposed project. In addition, the applicant has committed to measures to avoid and minimize wetland and stream impacts.

The project is identified as Federal Aid Project No. BRSTP-301 (10), State Project No. 8.1301801, TIP No. B-3453.

Overall plans showing the location of the proposed construction and impact sites are included with this public notice. Additional detailed plans, including NCDOT's January 2003, Categorical Exclusion document and information about the North Carolina Ecosystem Enhancement Program, may be reviewed at the U.S. Army Corps of Engineers Regulatory Field Office at 107 Union Drive, Suite 202, Washington, North Carolina 27889, or at the offices of the North Carolina Division of Water Quality at the address shown below.

### **Other Required Authorizations**

This notice and all applicable application materials are being forwarded to the appropriate State agencies for review. The Corps will generally not make a final permit decision until the North Carolina Division of Water Quality (NCDWQ) issues, denies, or waives State certification required by Section 401 of the Clean Water Act (PL 92-500). The receipt of the application and this public notice in the NCDWQ Central Office in Raleigh serves as application to the NCDWQ for certification. A waiver will be deemed to occur if the NCDWQ fails to act on this request for certification within sixty days of the date of the receipt of this notice in the NCDWQ Central Office. Additional information regarding the Clean Water Act certification may be reviewed at the NCDWQ Central Office, the Transportation Permitting Unit, 2321 Crabtree Boulevard, Raleigh, North Carolina 27604-2260. All persons desiring to make comments regarding the application for certification under Section 401 of the Clean Water Act should do so in writing delivered to the North Carolina Division of Water Quality (NCDWQ), 1650 Mail Service Center, Raleigh, North Carolina 27699-1650 Attention: Mr. John Hennessy by May 19, 2005.

### **Essential Fish Habitat**

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The Corps' initial determination is that the proposed project will not adversely impact EFH or associated fisheries managed by the South Atlantic or Mid Atlantic Fishery Management Councils or the National Marine Fisheries Service.

### **Cultural Resources**

The Corps has consulted the latest published version of the National Register of Historic Places and is not aware that any registered properties, or properties listed as being eligible for inclusion therein are located within the project area or will be affected by the proposed work. Presently, unknown archeological, scientific, prehistoric, or historical data may be located within the project area and/or could be affected by the proposed work.

## **Endangered Species**

The Corps has reviewed the project area, examined all information provided by the applicant and consulted the latest North Carolina Natural Heritage Database. Based on available information, the Corps has determined pursuant to the Endangered Species Act of 1973, that the proposed project will have no effect on federally listed endangered or threatened species or their formally designated critical habitat.

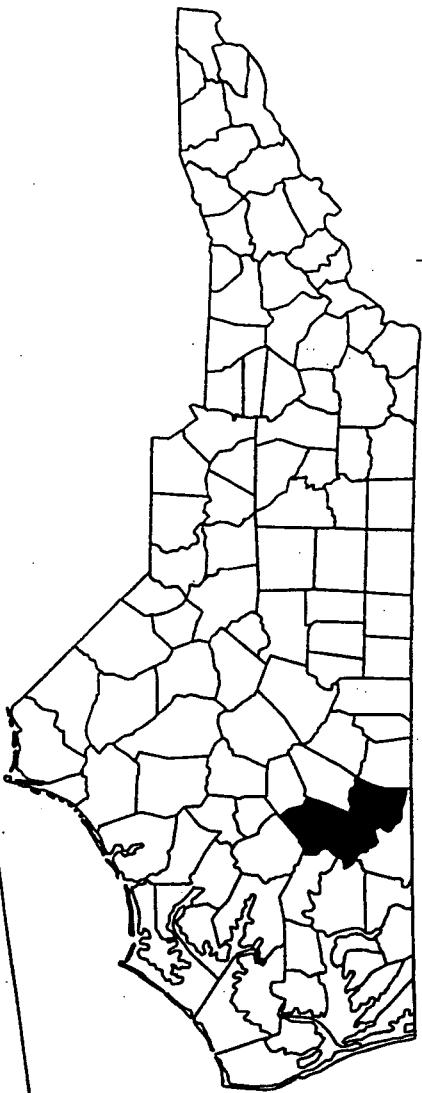
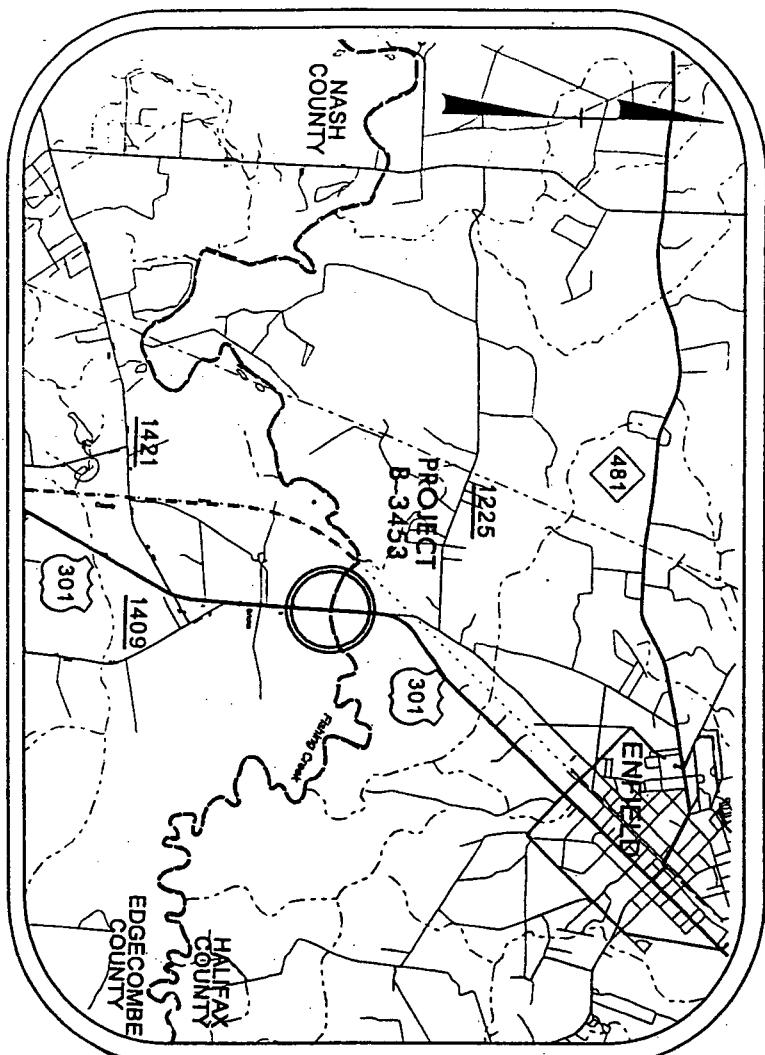
## **Evaluation**

The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values (in accordance with Executive Order 11988), land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people. For activities involving the discharge of dredged or fill materials in waters of the United States, the evaluation of the impact of the activity on the public interest will include application of the Environmental Protection Agency's 404(b)(1) guidelines.

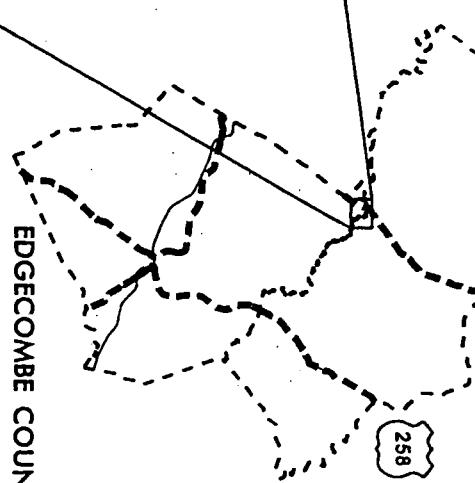
## **Commenting Information**

The Corps is soliciting comments from the public; Federal, State and local agencies and officials, including any consolidate State Viewpoint or written position of the Governor; Indian Tribes and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment (EA) and/or an Environmental Impact Statement (EIS) pursuant to the National Environmental Policy Act (NEPA). Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing. Requests for a public hearing shall be granted, unless the District Engineer determines that the issues raised are insubstantial or there is otherwise no valid interest to be served by a hearing.



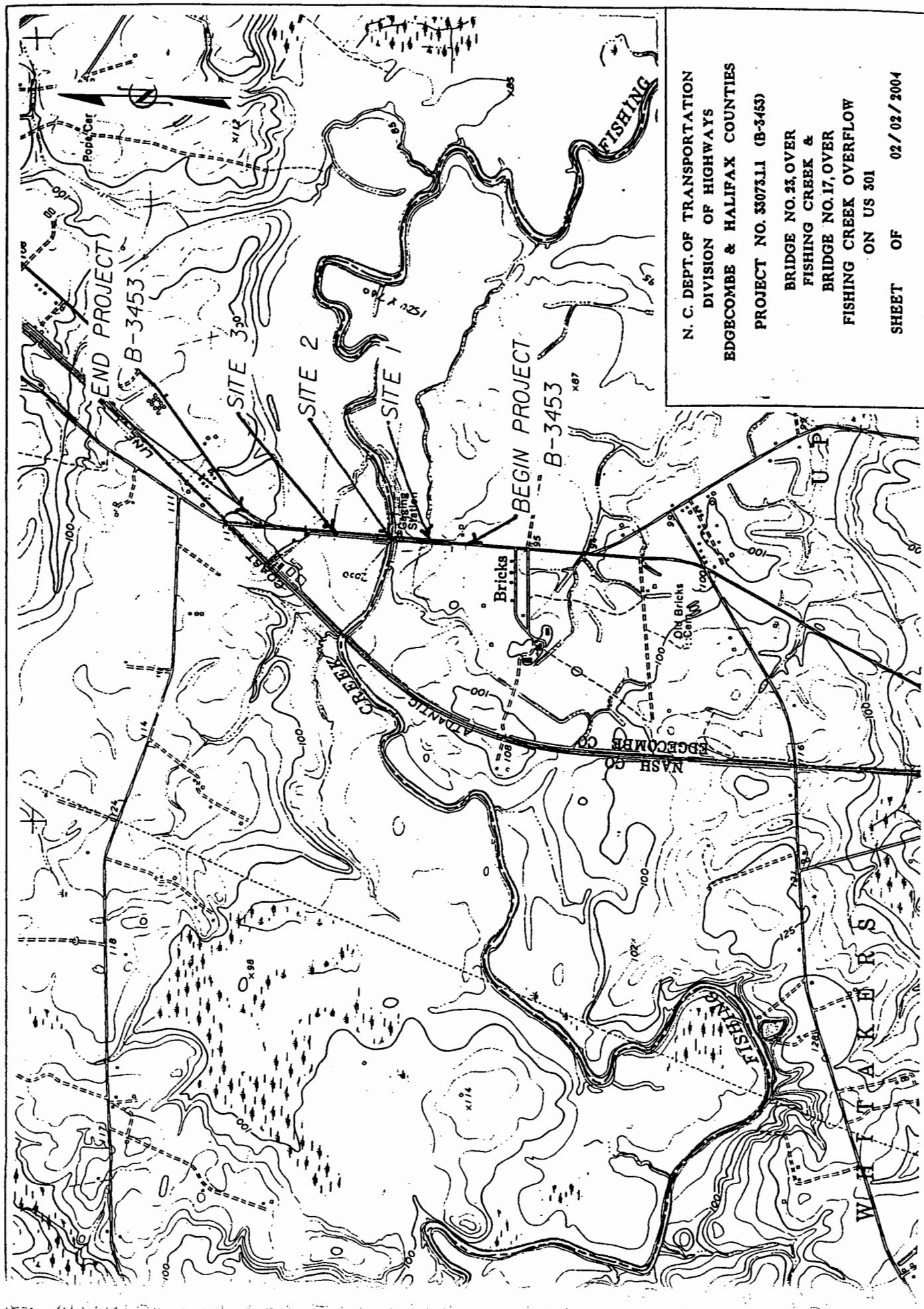
### EDGECOMBE COUNTY



N. C. DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
EDGECOMBE & HALIFAX COUNTIES

PROJECT NO. 33073.11 (B-3453)

BRIDGE NO. 23, OVER  
FISHING CREEK &  
BRIDGE NO. 17, OVER  
FISHING CREEK OVERFLOW  
ON US 301



# WETLAND LEGEND

— WLB —	WETLAND BOUNDARY		PROPOSED BRIDGE
	WETLAND		PROPOSED BOX CULVERT
	DENOTES FILL IN WETLAND		PROPOSED PIPE CULVERT
	DENOTES FILL IN SURFACE WATER	(DASHED LINES DENOTE EXISTING STRUCTURES)	12°-48° PIPES 54° PIPES & ABOVE
	DENOTES FILL IN SURFACE WATER (POND)		
	DENOTES TEMPORARY FILL IN WETLAND		SINGLE TREE
	DENOTES EXCAVATION IN WETLAND		WOODS LINE
	DENOTES TEMPORARY FILL IN SURFACE WATER		DRAINAGE INLET
	DENOTES MECHANIZED CLEARING		ROOTWAD
→ →	FLOW DIRECTION		
— TB —	TOP OF BANK		
— WE —	EDGE OF WATER		
— C —	PROP. LIMIT OF CUT		
— E —	PROP. LIMIT OF FILL		
▲	PROP. RIGHT OF WAY		
— NG —	NATURAL GROUND		
— PL —	PROPERTY LINE		
— TDE —	TEMP. DRAINAGE EASEMENT		
— PDE —	PERMANENT DRAINAGE EASEMENT		
— EAB —	EXIST. ENDANGERED ANIMAL BOUNDARY		
— EPB —	EXIST. ENDANGERED PLANT BOUNDARY		
—	WATER SURFACE		
X X X X	LIVE STAKES		
	BOULDER		
— — —	COIR FIBER ROLLS		

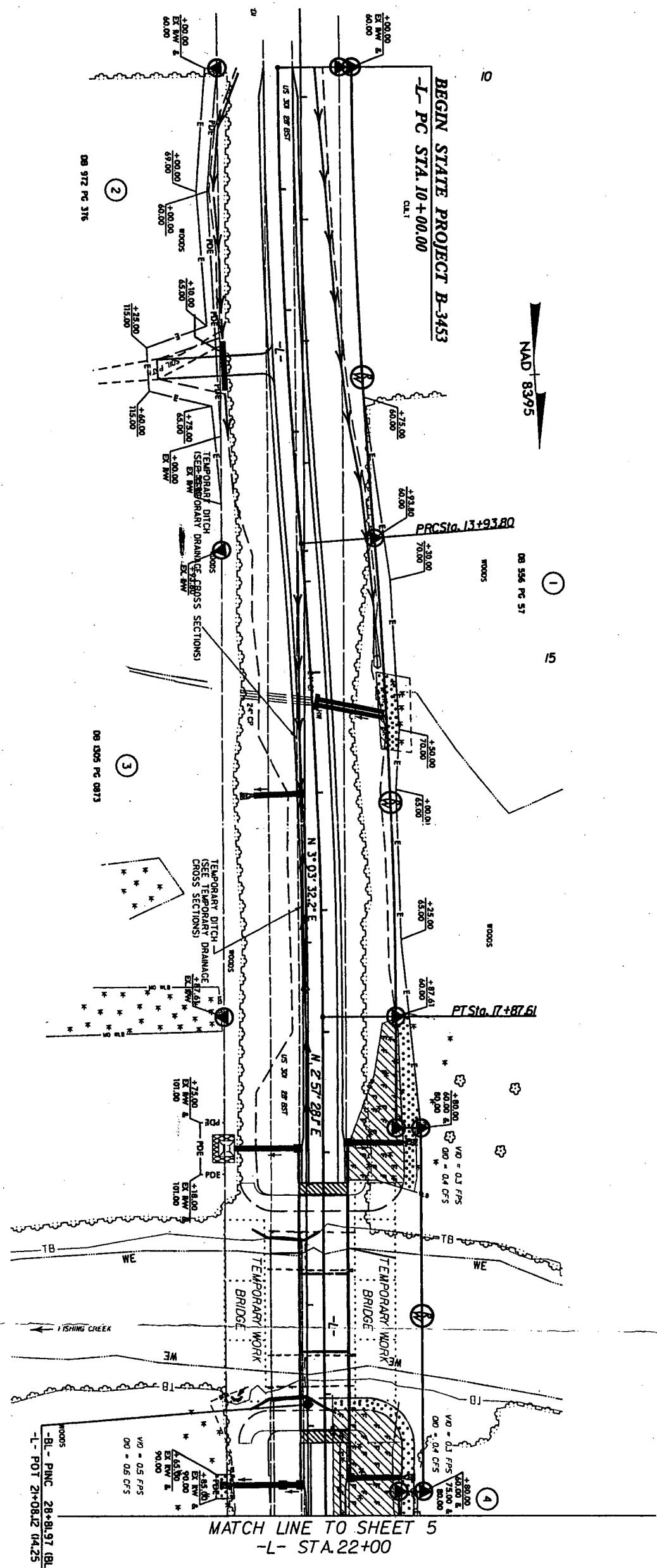
N. C. DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
EDGECOMBE & HALIFAX COUNTIES

PROJECT NO. 33073.1.1 (B-3453)

BRIDGE NO. 23, OVER  
FISHING CREEK &  
BRIDGE NO. 17, OVER  
FISHING CREEK OVERFLOW  
ON US 301

SITE 1 =L= STA. 15 + 02 TO 15 + 67  
SITE 2 =L= STA. 17 + 88 TO 22 + 00

**ENGLISH**



N. C. DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
EDGECOMBE & HALIFAX COUNTIES  
PROJECT NO. 30073.1 (B-3453)

**DARLON M. OVER**  
**FISHING CREEK OVERFLOW**  
**ON US 301 REv 12/04**

SITE 3 -L- STA. 22+00 TO 34+88

MATCH LINE TO SHEET 4 - STA 22+00

DB 973 PG 9

25

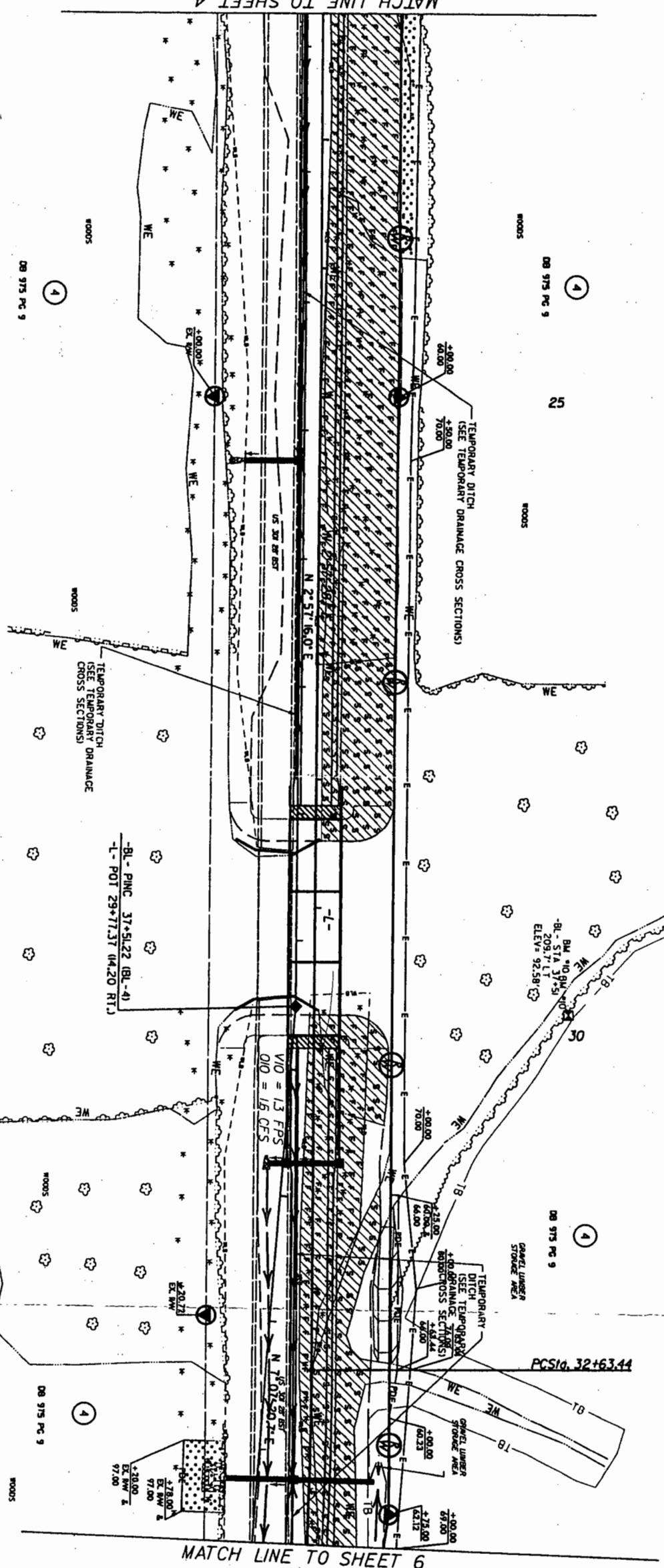
NAD 8395

-BL - STA 39M +51  
209.7' LT  
ELEV- 875'

08 973 PG 9

PC51a. 32+63.44

MATCH LINE TO SHEET 6  
-L- STA. 34+00



N. C. DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
EDGECOMBE & HALIFAX COUNTIES

C. DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS

PROJECT NO. J3073.1.1 (B-3453)

BRIDGE NO. 33, OVER  
FISHING CREEK &  
BRIDGE NO. 17, OVER  
FISHING CREEK OVERFLOW  
ON US 301





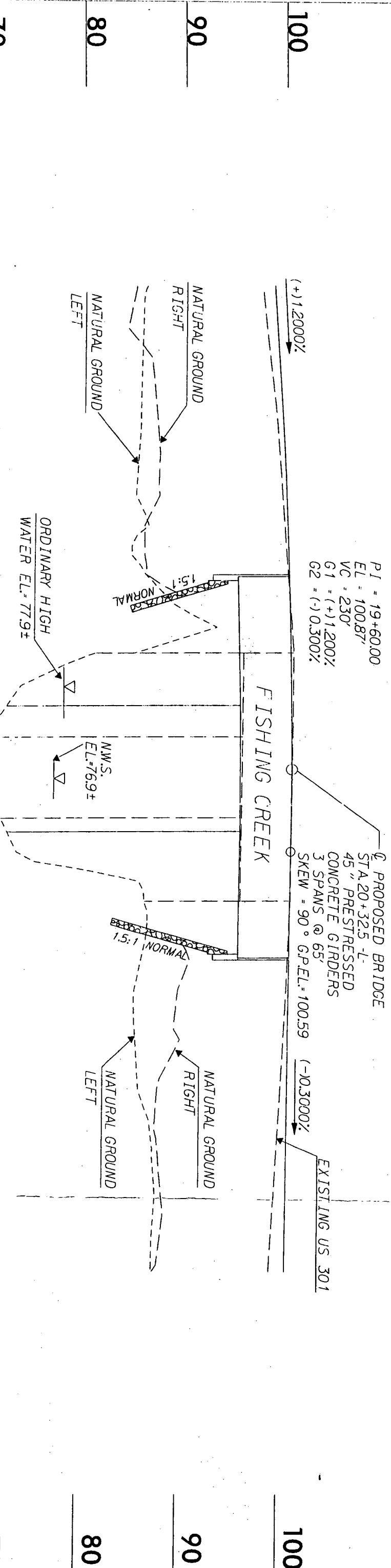
SECTION 2 PROPOSED BRIDGE DESIGN

ENGLISH

PI = 19+60.00  
 EL = 100.87'  
 VC = 230'  
 G1 = (+) 1.200%  
 G2 = (-) 0.300%

PROPOSED BRIDGE  
 STA 20+32.5 -L-  
 45" PRESTRESSED  
 CONCRETE GIRDERS  
 3 SPANS @ 65'  
 SKEW = 90° GR.EL. = 100.59

EXISTING US 301



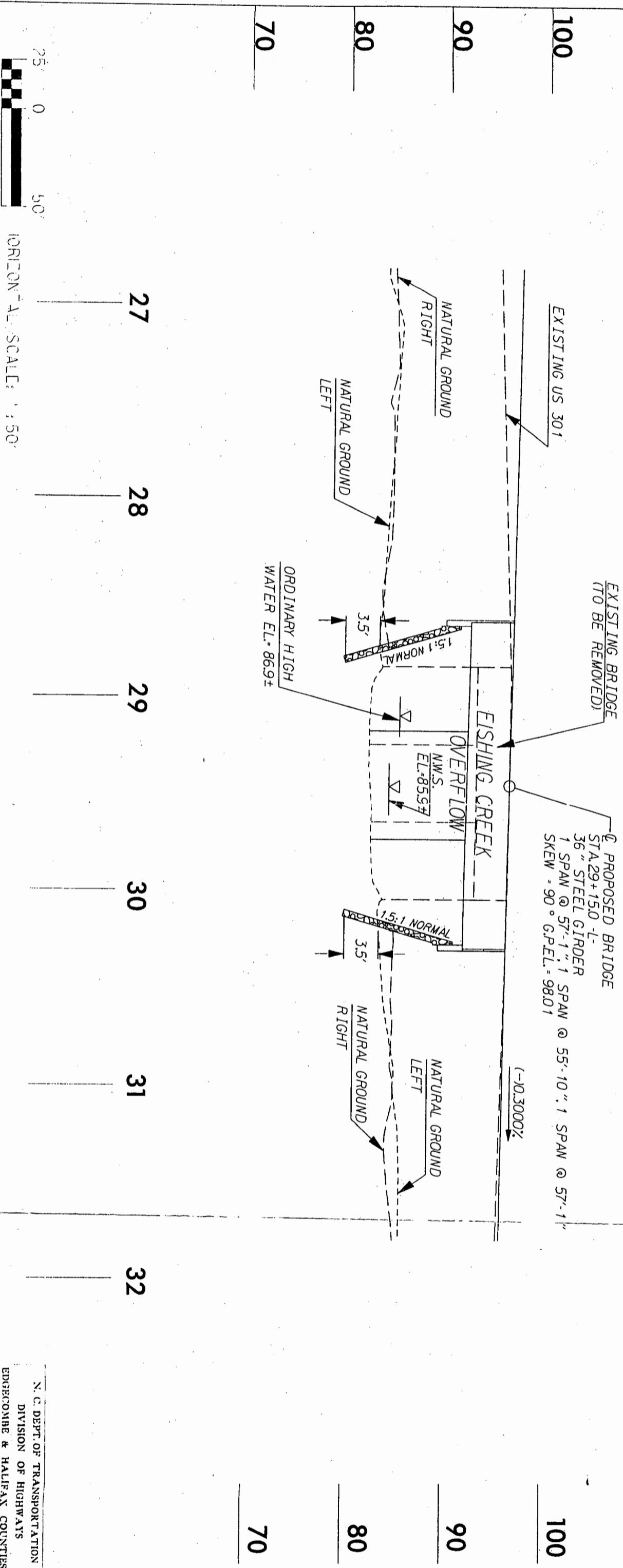
N. C. DEPT. OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 EDGECOMBE & HALIFAX COUNTIES  
 PROJECT NO. 330751.10-3453

BRIDGE NO. 25 OVER  
 FISHING CREEK &  
 BRIDGE NO. 17 OVER  
 FISHING CREEK OVERFLOW  
 ON US 301

SHERIFF  
 O.P. 02-02-2002

# SITE 3 PROPOSED BRIDGE PROFILE

ENGLISH



27

28

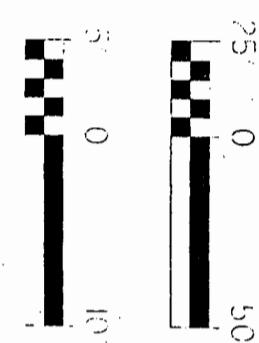
29

30

31

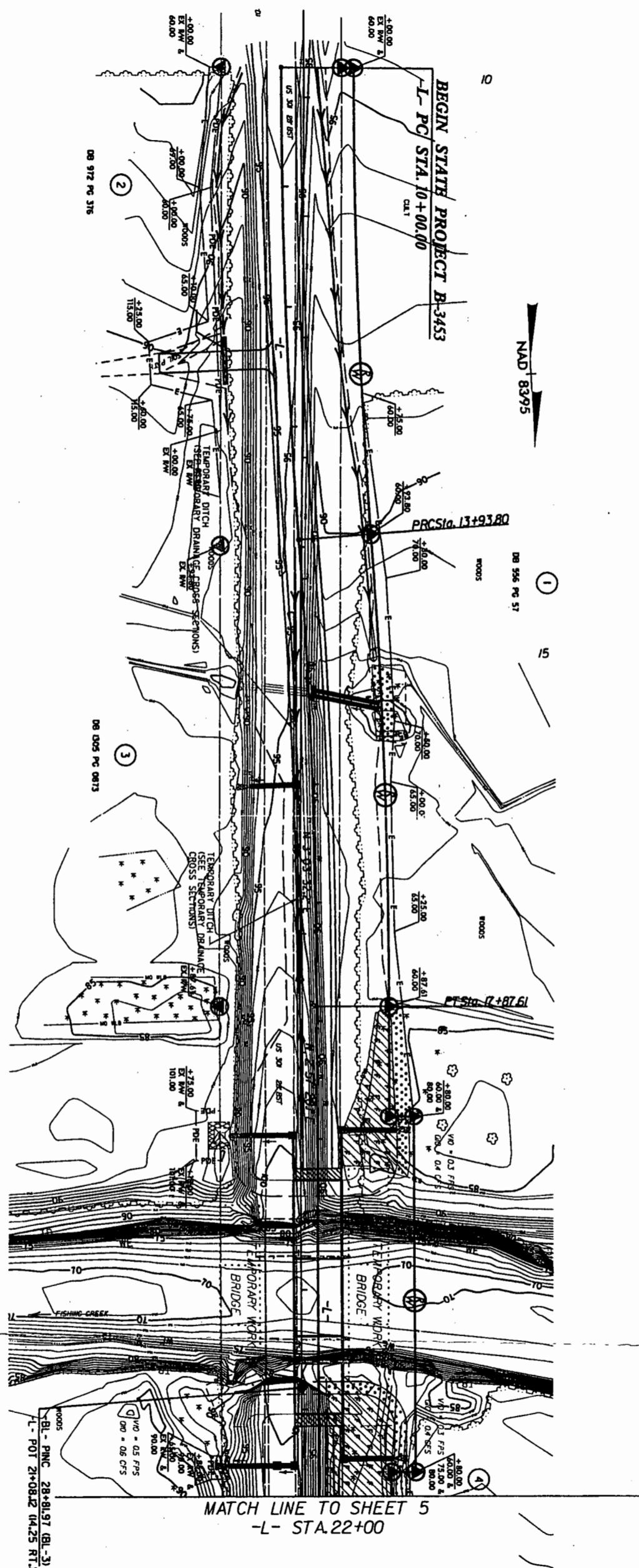
32

N. C. DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
EDGECOMBE & HALIFAX COUNTIES  
PROJECT NO. 35073.11 (B-5453)



SITE 1 -L- STA. 15 + 02 TO 15 + 67  
 SITE 2 -L- STA. 17 + 88 TO 22 + 00

ENGLISH



N. C. DEPT. OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 EDGECOMBE & HALIFAX COUNTIES

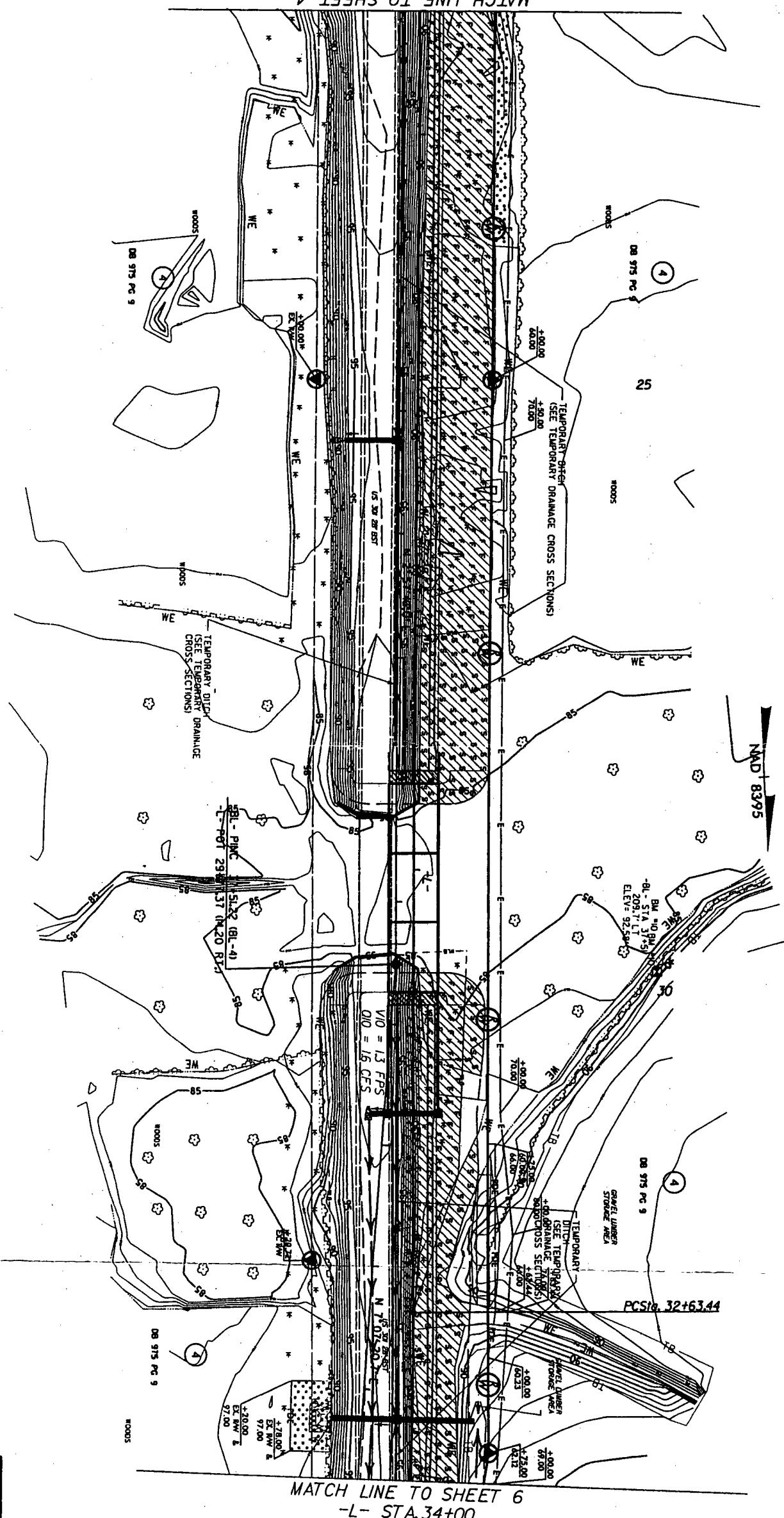
PROJECT NO. 33073.11 (B-3453)

BRIDGE NO. 23, OVER  
 FISHING CREEK &  
 BRIDGE NO. 17, OVER  
 FISHING CREEK OVERFLOW  
 ON US 301 REV 12/04

SCALE: 1" : 100'  
 SHEET OF 02 / 02 / 2004

SITE 3 -L- STA. 22+00 TO 34+88

MATCH LINE TO SHEET 4 -L- STA 22+00



MATCH LINE TO SHEET 6  
-L- STA.34+00

**N. C. DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
EDGECOMBE & HALIFAX COUNTIES**

**ENGLISH**

SCALE: 1": 100'

**N. C. DEPT. OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**  
**OGECOMBE & HALIFAX COUNTIES**

SITE 3 -L- STA. 22+00 TO 34+88

-DRME-

P1 Sta 11+11.05  
 $\Delta = 14^{\circ}22'34''$  RT 1  
 $D = 15^{\circ}05'54''$

<u>-DRAW-</u>	
P1 Sta 11+05	
Δ = 14° 22' 34.4" (RT)	
D = 15° 05' 54.9"	
L = 75.27'	
T = 37.84'	
R = 300000'	
	40
P1 Sta 35+65.29	
Δ = 11° 28' 28.5" (RT)	
D = 15° 41' 35.5"	
L = 60.68'	
T = 30.85'	
R = 300000'	
SF = 0.005	
P1 Sta 40+05.24	
Δ = 2° 23' 07.5"	
D = 5° 20' 48.0"	
L = 25000'	
T = 141.3"	
R = 134000'	
	-1-
P1 Sta 42+760.3	
Δ = 15° 41' 32.9"	
D = 4° 16' 41.7"	
L = 320.29'	
T = 60.9"	
R = 134000'	

०६ ग्रन्थ पंच ९

a. 10+0000  
LUMBER STORAGE AREA

卷之三

CROSS  
CROSS LUGGAGE  
STORAGE AREA

35

MAP

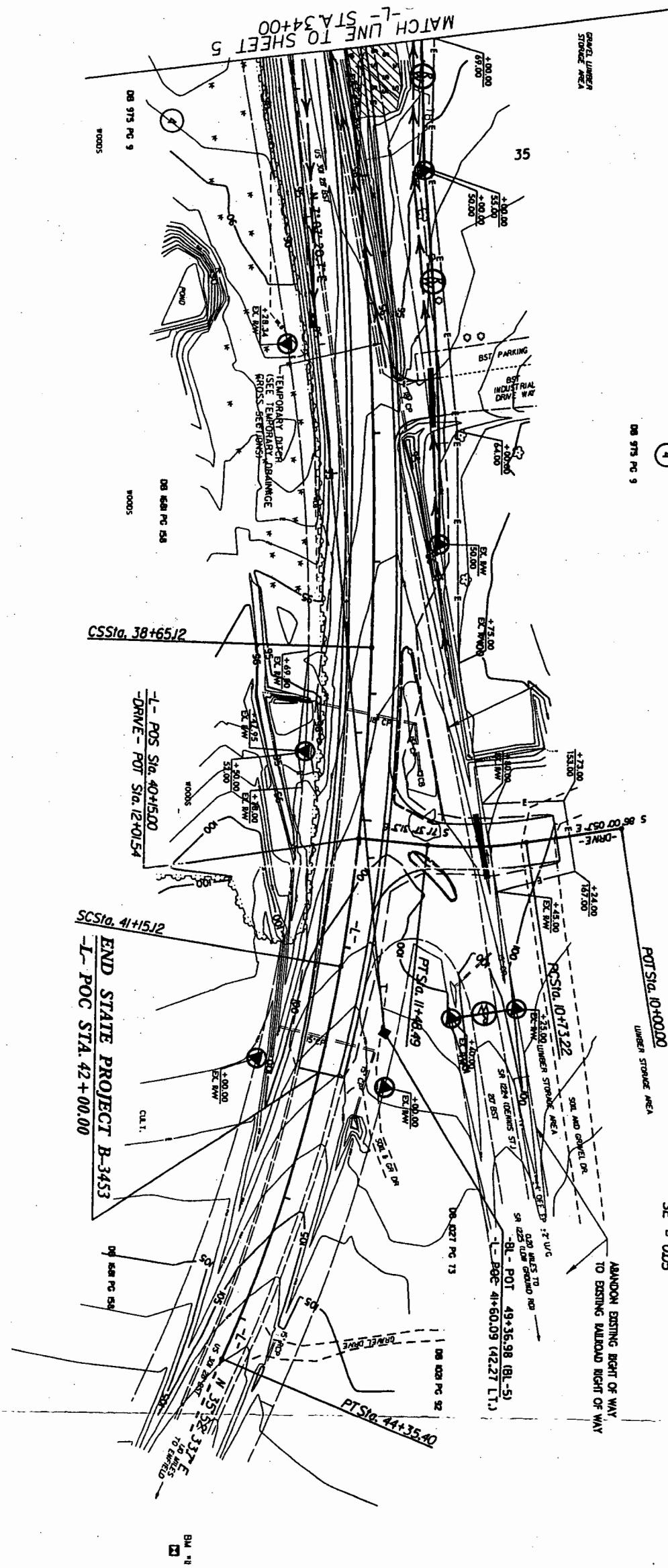
CH-  
L

STA  
E

400

50  
8  
100

SCALE: " : 100'



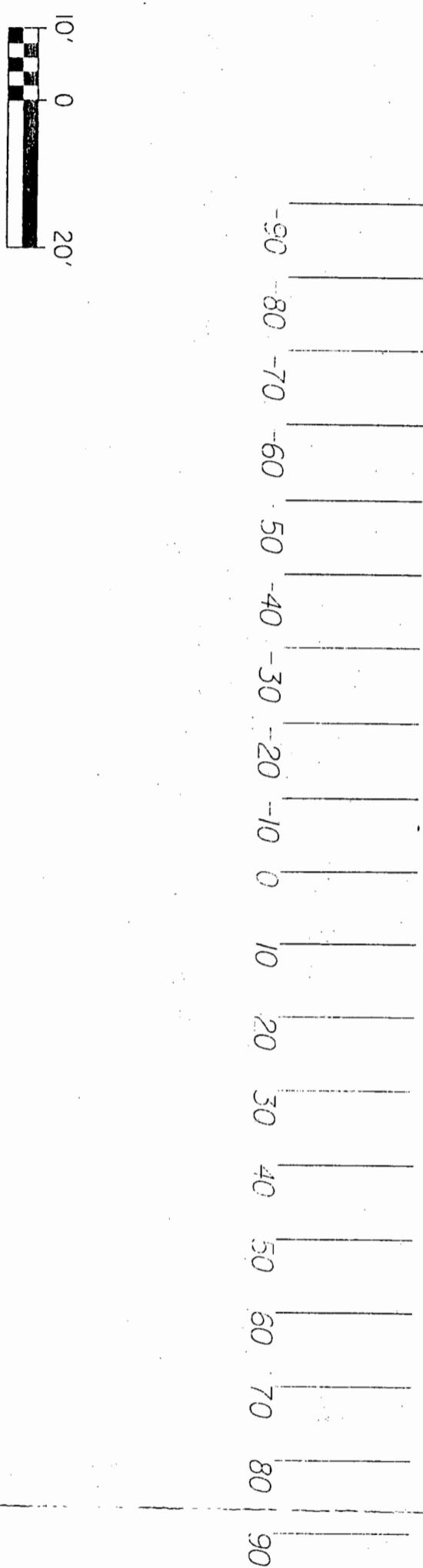
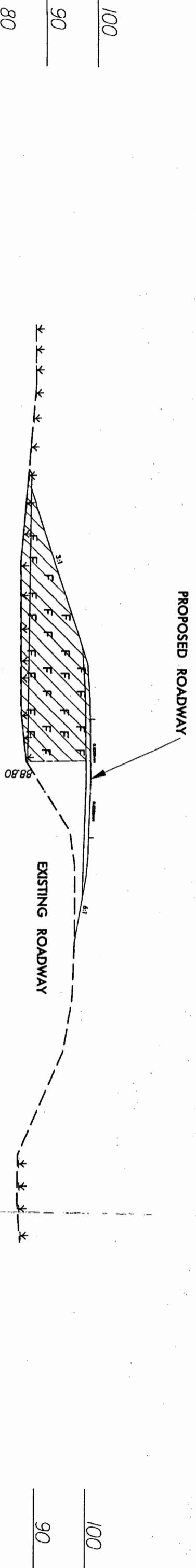
**N. C. DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
EDGECOMBE & HALIFAX COUNTIES**

PROJECT NO. 3307311 (B-3453)  
BRIDGE NO. 23 OVER  
FISHING CREEK &  
BRIDGE NO. 17 OVER  
FISHING CREEK OVERFLOW  
ON US 301

ENGLISH

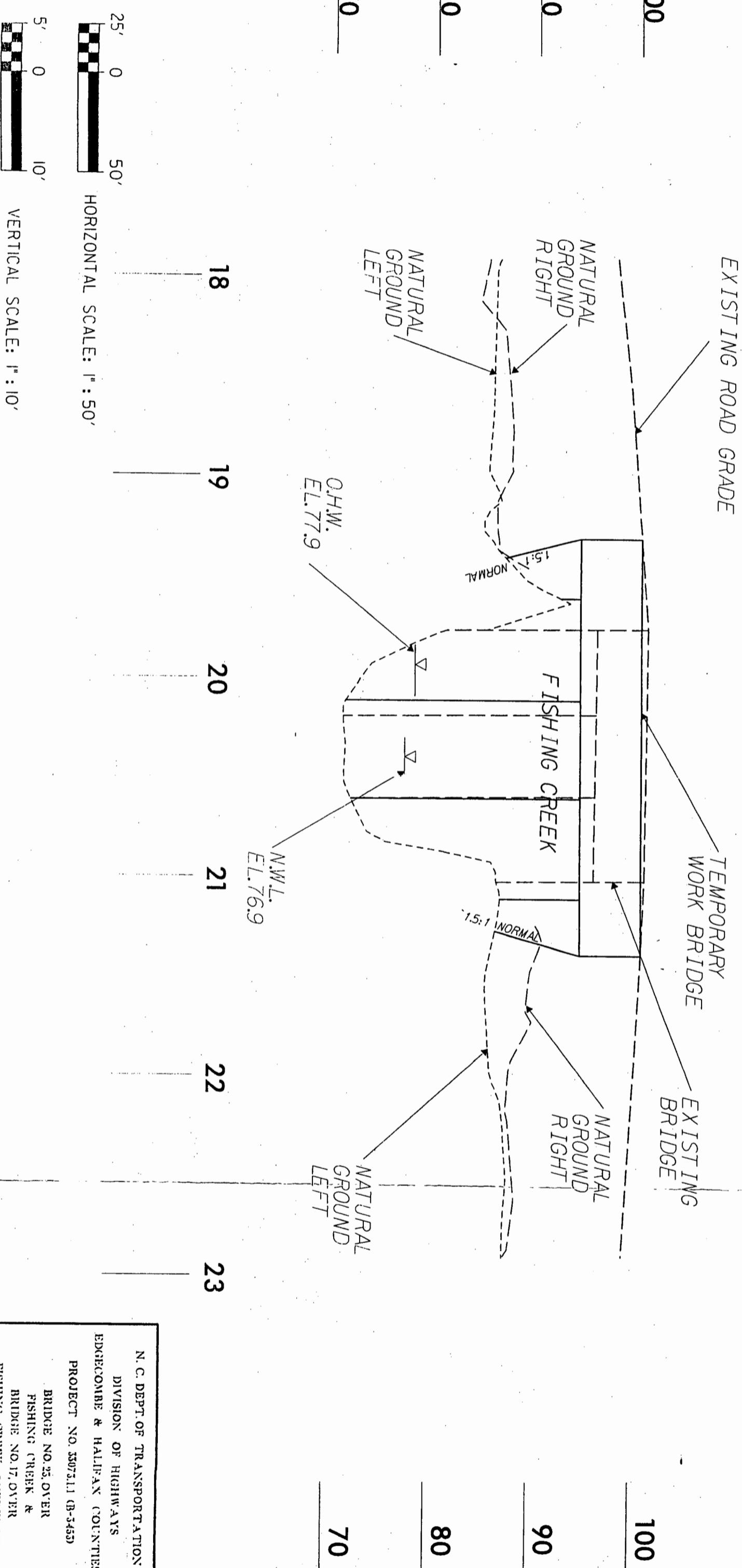
# SITE 3 SECTION VIEW

TYPICAL SECTION OF NEW ROADWAY  
FROM 22 + 00 TO BEGIN BRIDGE AND FROM END  
BRIDGE TO 34 + 88



N. C. DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS EDGECOMBE & HALIFAX COUNTIES	<b>ENGLISH</b>
PROJECT NO. 3507411 (B-3453)	
BRIDGE NO. 24 OVER FISHING CREEK & BRIDGE NO. 17 OVER FISHING CREEK OVERFLOW	
SHEET 02 OF 02	02 / 02 / 2004

# SITE 2 TEMPORARY WORK BRIDGE PROFILE (WEST SIDE)

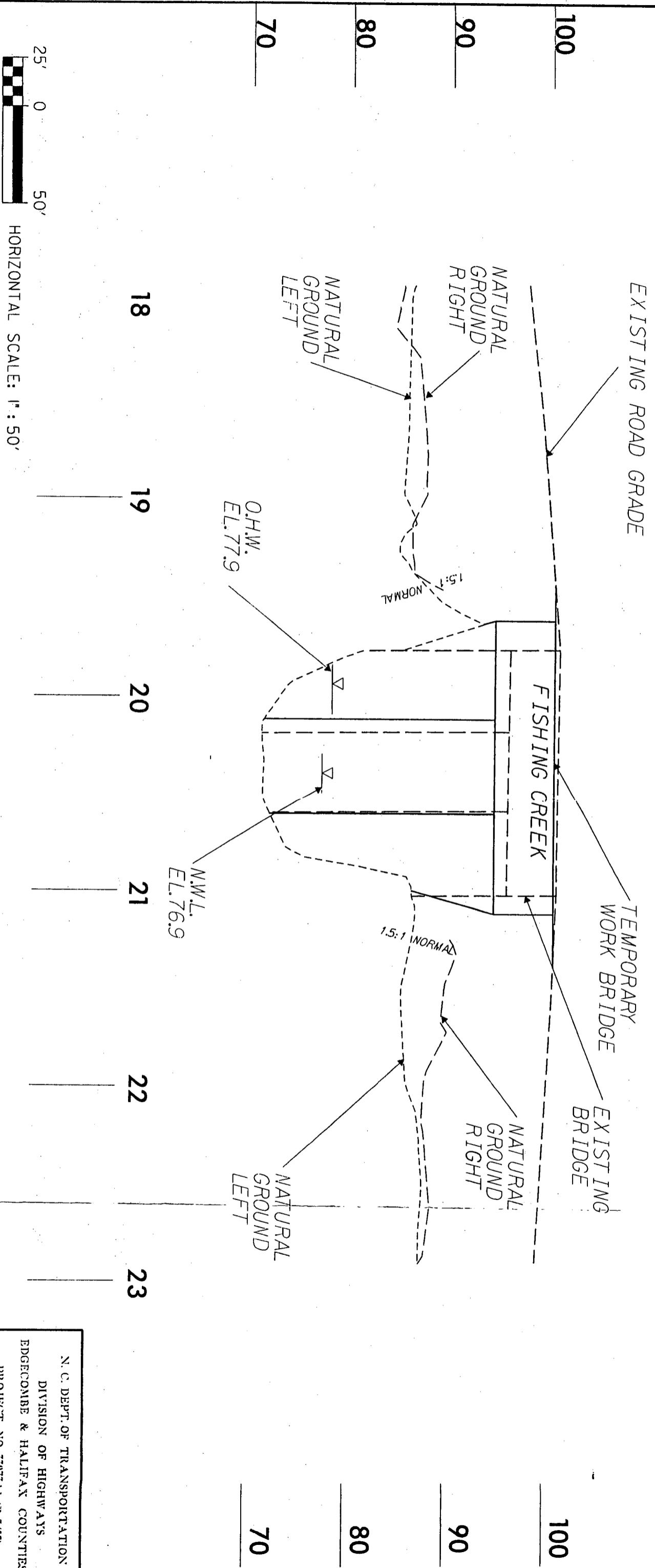


N. C. DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
EDGECOMBE & HALIFAX COUNTIES  
PROJECT NO. 3507511 (B-5455)

BRIDGE NO. 25 OVER  
FISHING CREEK &  
BRIDGE NO. 17 OVER  
FISHING CREEK OVERFLOW  
ON US 301

# SITE 2 TEMPORARY WORK BRIDGE PROFILE (EAST SIDE)

**ENGLISH**



N. C. DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
EDGECOMBE & HALIFAX COUNTIES  
PROJECT NO. 35073.11 (B-5455)  
BRIDGE NO. 25 OVER  
FISHING CREEK &  
BRIDGE NO. 17 OVER  
FISHING CREEK OVERFLOW  
ON US 501

**B-3453**

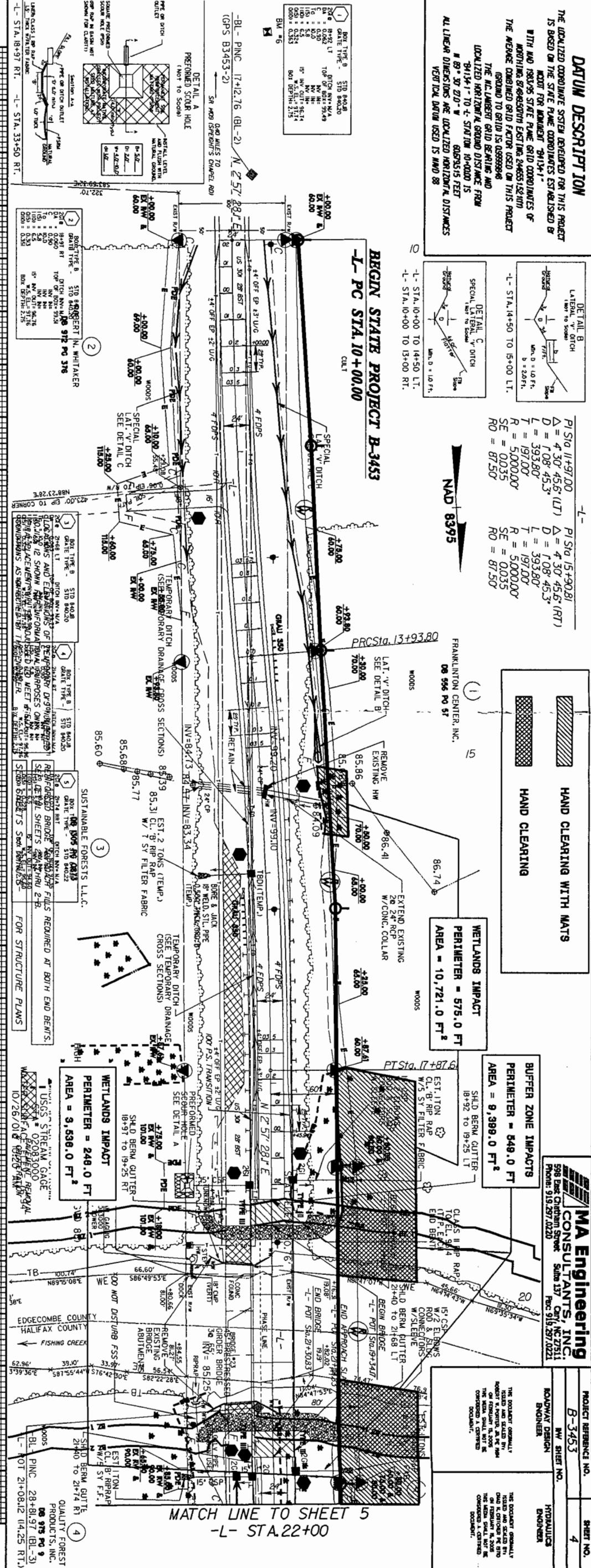
**EDGECOMBE & HALIFAX  
COUNTIES**

**UTILITY PLANS**

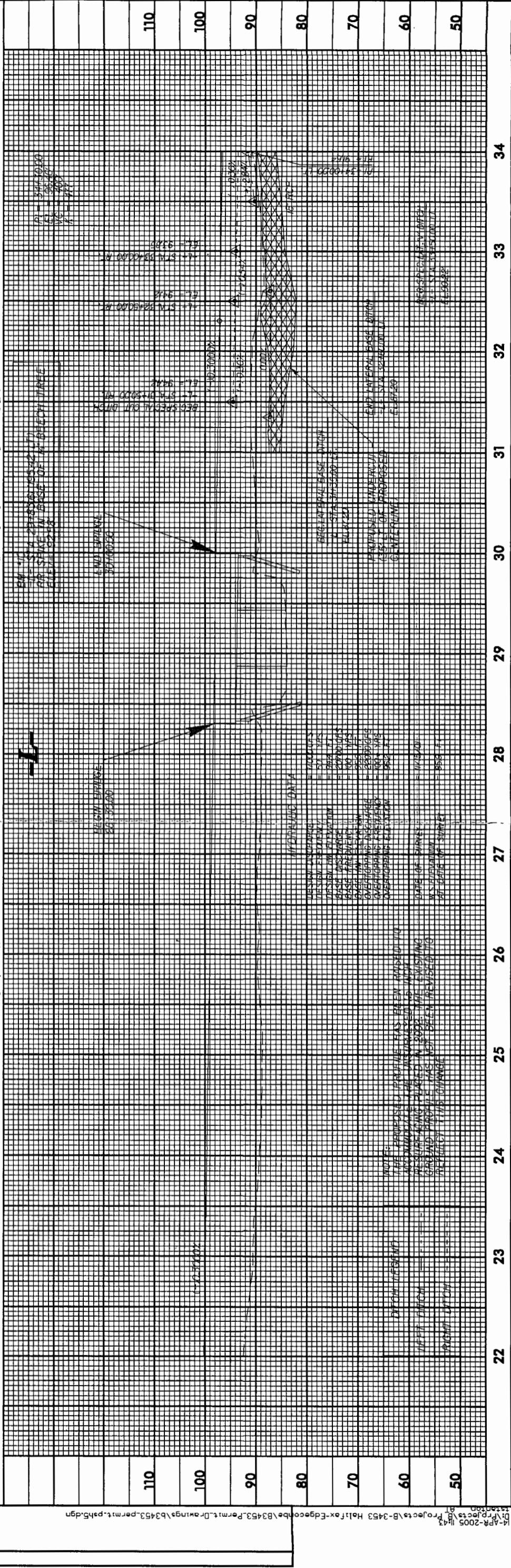
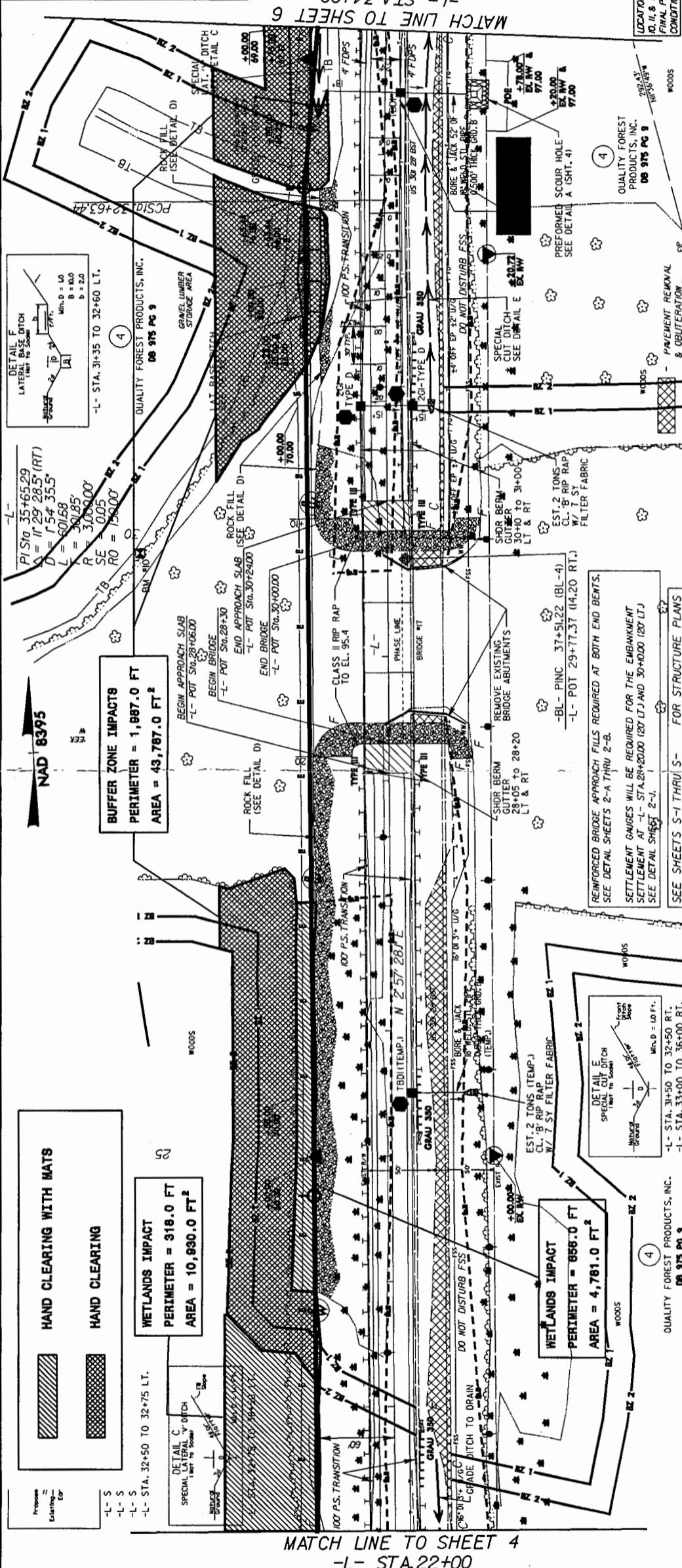
## **DATUM DESCRIPTION**

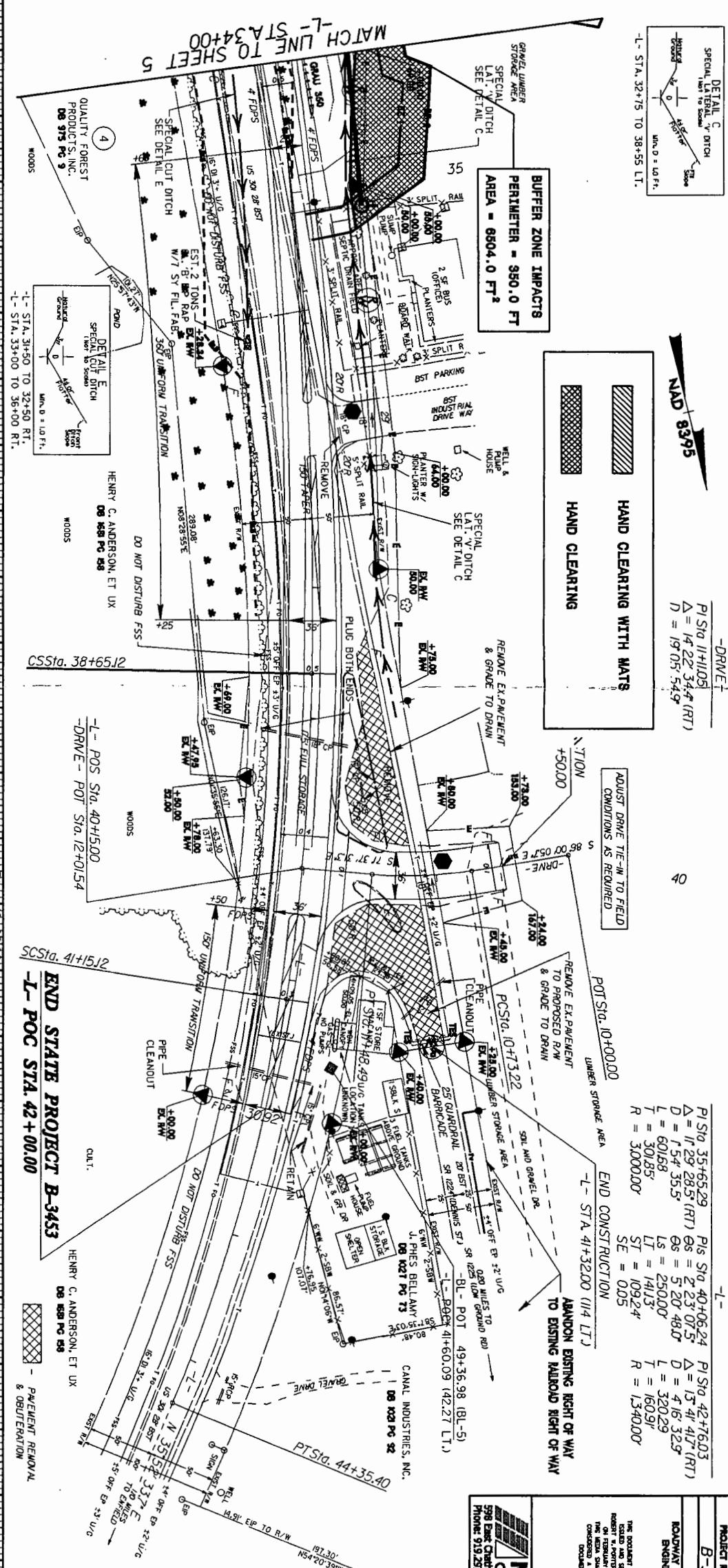
THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY THE U.S. NATIONAL GRID.

**WITH MAD 098/095 STATE PLANE GRID COORDINATES OF  
MORTING 324855000N EASTING 24465152.00M  
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT**  
 (ROUND TO 0.001 IS 0.999946)  
**THE ALL LAMBERT GRID BEARING AND  
LOCALIZED HORIZONTAL GRID DISTANCE FROM  
78144-14-1 STATION 10-0000 TS  
# 89-37-070-W      60697515 FEET**  
**ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES**



PROJECT REFERENCE NO.		SHEET NO.
<u>B-3453</u>		<u>5</u>
BY SHEET NO.		
Roadway Design Engineer	Hydraulics Engineer	
<p>THE DOCUMENT OFFICIALLY ISSUED AND SEALED BY ROBERT E. HORTER, JR., PE, 1984</p> <p>ON FEBRUARY 15, 2005</p> <p>THIS MEDIA SHALL NOT BE CONSIDERED A CERTIFIED DOCUMENT.</p>		

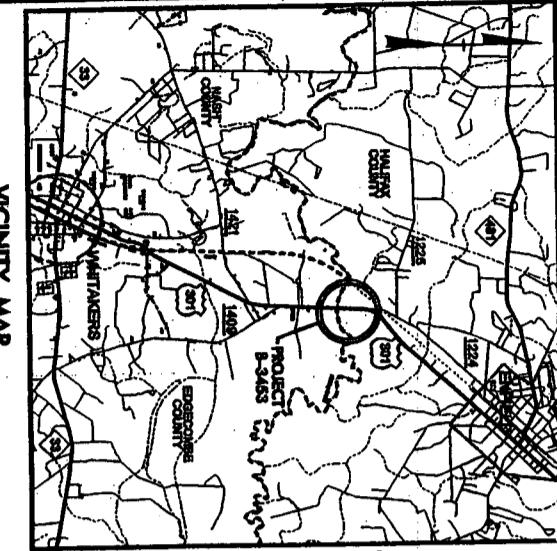




<b>Roadway Design Engineer</b>	<b>Hydraulics Engineer</b>
PROJECT REFERENCE NO. <b>B-3453</b>	SHEET NO. <b>6</b>

**CONTRACT:****TIP PROJECT: B-3453**

See Sheet 1-A For Index of Sheets

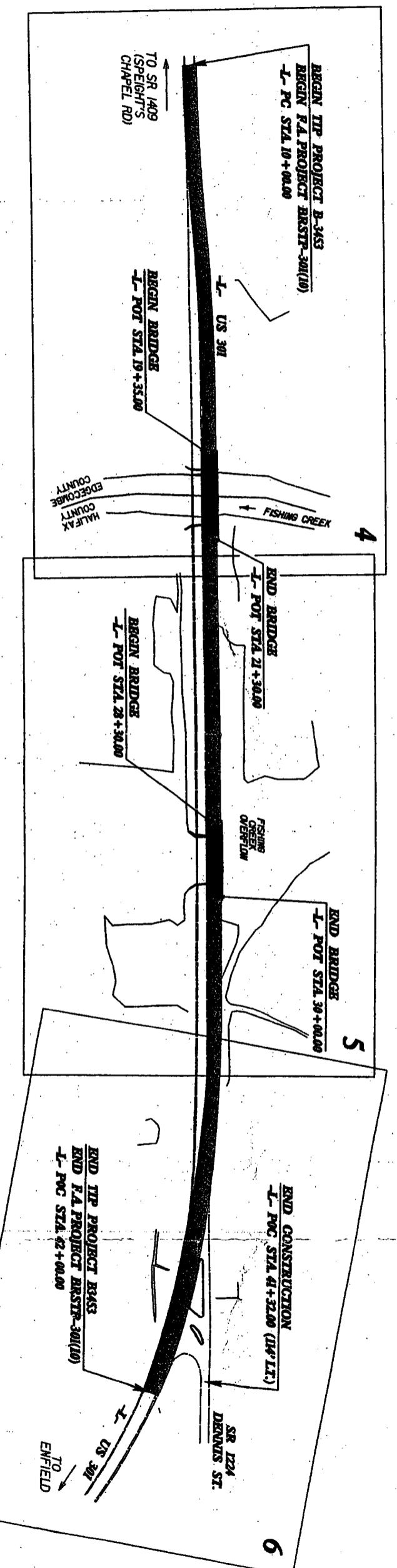
**EDGECOMBE & HALIFAX COUNTIES**

**LOCATION: BRIDGE NO. 23 OVER FISHING CREEK AND BRIDGE NO. 17  
OVER FISHING CREEK OVERFLOW ON US 301**

**TYPE OF WORK: GRADING, DRAINAGE, STRUCTURES, PAVING, AND GUARDRAIL**

NAD 83 (2)

Spiral plan



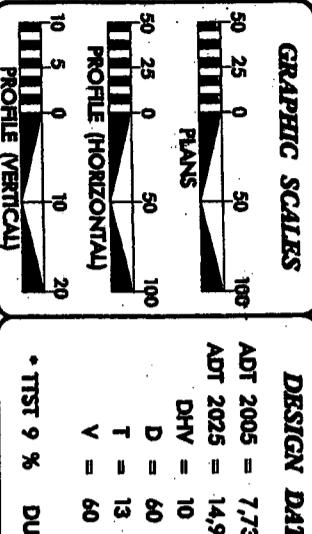
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.

ASSET CONTACT:  
TERESA ALBRUN, PE  
PROJECT ENGINEER  
DESIGN SERVICES UNIT

MA ENGINEERING CONSULTANTS, INC.  
538 E CHATHAM STREET, SUITE 137  
CARY, NORTH CAROLINA 27511  
(919) 297-0220

MA ENGINEERING CONSULTANTS, INC.  
538 E CHATHAM STREET, SUITE 137  
CARY, NORTH CAROLINA 27511  
(919) 297-0220

DIVISION OF HIGHWAYS		HYDRAULICS ENGINEER		DIVISION OF HIGHWAYS	
Prepared by MA Engineering Consultants, Inc.	1000 Rock Ridge Dr., NC 27510	TERESA ALBRUN, PE	PROJECT ENGINEER	MA ENGINEERING CONSULTANTS, INC.	1000 Rock Ridge Dr., NC 27510
Length of Structures TIP Project B-3453	= 0.57 mi	DESIGN SERVICES UNIT		Length of Structures TIP Project B-3453	= 0.69 mi
Length of Structures TIP Project B-3453	= 0.66 mi			Length of Structures TIP Project B-3453	= 0.69 mi
Right of Way Date	DECEMBER 15, 2003	R.W. POKER, Jr., PE	Project Manager	Right of Way Date	DECEMBER 15, 2003
Letting Date	APRIL 19, 2005	KEVIN S. HUTCHENS	Project Manager	Letting Date	APRIL 19, 2005
Services	PE	Services	PE	Services	PE
Approved and Accepted		Approved and Accepted		Approved and Accepted	



DESIGN DATA

ADT 2005 = 7,735
ADT 2025 = 14,900
DHV = 10 %
D = 60 %
T = 13 %
V = 60 MPH

LENGTH OF ROADWAY TIP PROJECT B-3453 = 0.57 mi

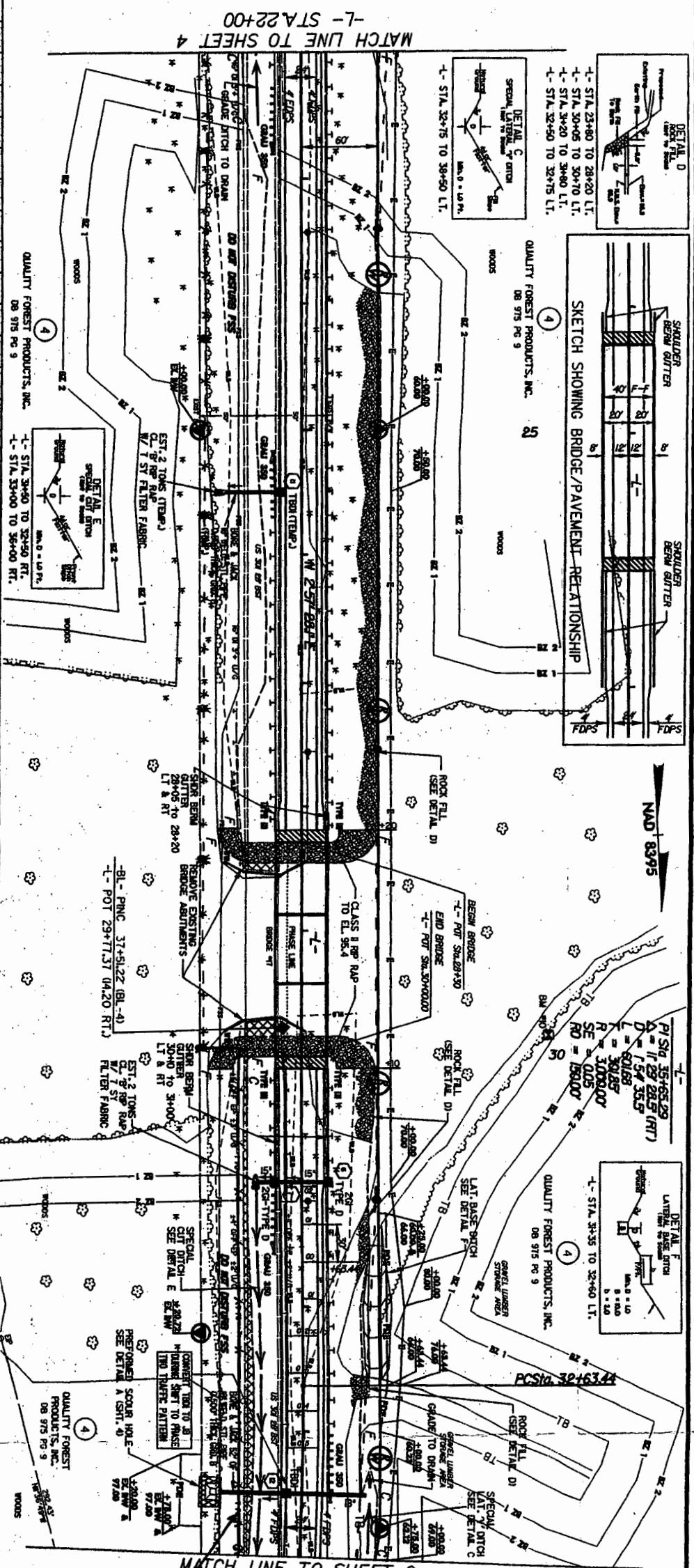
LENGTH OF STRUCTURES TIP PROJECT B-3453 = 0.69 mi

TOTAL LENGTH OF TIP PROJECT B-3453 = 0.66 mi

\* TST 9 % DUAL 4 %

WORK	REF ID	REF ID NUMBER	WORK	REF ID
N.C.	B-3453	1		
MAINTENANCE	33073.1.1	BESTP-301(0)	PE	
33073.2.1	BESTP-301(0)	RW, UTILITIES		

## **REVISIONS**



**PRELIMINARY PLANS**  
DO NOT USE FOR CONSTRUCTION

		PROJECT REFERENCE NO.	SHEET NO.
		B-3453	
		NW SHEET NO.	
		ROADWAY DESIGN ENGINEER	
		HYDRAULICS ENGINEER	
 <p><b>MA Engineering</b> CONSULTANTS, INC. 598 East Chatham Street Phone 919.257.0220 Fax 919.257.0221</p>		<b>PRELIMINARY PLANS</b> <small>DO NOT USE FOR CONSTRUCTION</small>	

8/17/99

## DATUM DESCRIPTION

IS BASED ON THE SAME FIVE WORLDS ESTABLISHED  
FOR THE PROJECT "TH-134".  
WITH AND 1933'S STATE PLANE GRID COORDINATES OF  
ARMED FORCES AIRPORTS IN THE STATES (12,000)  
THE ABOVE COORDINATE GRID FATOR USED ON THIS PROJECT  
IS USED TO GUIDE ITS DESIGNING

**THE AC-125MEN T-620 BEARING AND  
LOCATED ARIZONA, GROUND DISTANCE FROM  
59134-1 TO STATION SWOOSH IS  
180° 37' 80" 1000 FEET  
ALL LINEAR DIMENSIONS ARE LOCATED ARIZONA DISTANCES**

All power pots to be moved back  
to new State L.O.M. per  
Lew Hall, Dominion North Carolina Power

11

V

BEGIN STATE PROJECT B-3453  
-L FC STA 10+00.00

PI SW 11-97.00	PI SW 15-190.81
$\Delta = 4^{\circ} 30' 45.6'$ (LT)	$\Delta = 4^{\circ} 30' 45.6'$ (RT)
D = 108° 45.3'	D = 108° 45.3'
L = 393.80'	L = 393.80'
T = 197.00'	T = 197.00'
R = 5.0000'	R = 5.0000'
SE = .0035	SE = .0035
RD = 87.50'	RD = 87.50'

180

FRANKLINTON CENTER, INC.  
08 556 PG 57

(1)

15

SKETCH SHOWING BR

SHADOWER  
BEAM CUTTER

40

20

20

20

**SHOULDER/SIDEWALK GUTTER**

**RELATIONSHIP**

**SOLD SHOULDER**

**SHOULDER WIDTH**

**FOPS**

**SHOULDER/SIDEWALK GUTTER**

**RELATIONSHIP**

**SOLD SHOULDER**

**SHOULDER WIDTH**

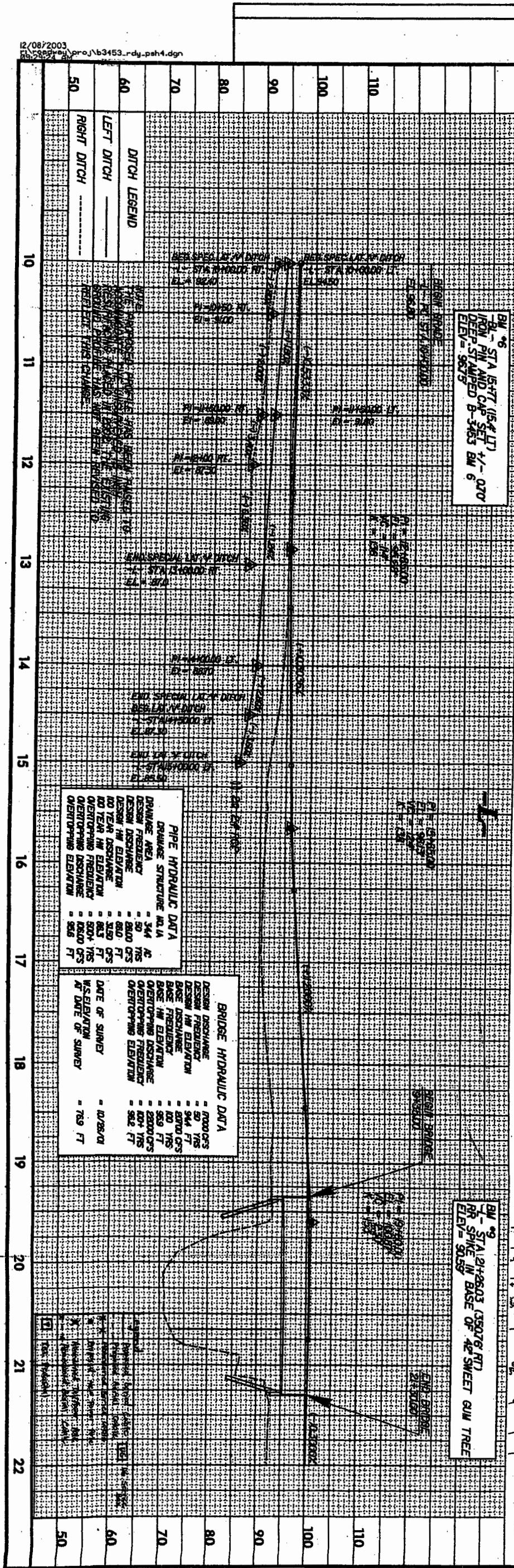
**FOPS**

**MA Engineering**  
CONSULTANTS, INC.  
590 East Northern Street • Suite 137 • Oak Park, IL 60301  
Phone 908/257-0220 • Fax 908/257-0221

PROJECT REFERENCE NO.	SHEET NO.
<b>B-3453</b>	4
NEW SHEET NO.	
<b>Roadway Design</b>	<b>Hydraulics</b>
<b>Engineer</b>	<b>Engineer</b>
<b>PRELIMINARY PLANS</b>	
No part can yet be used for construction	

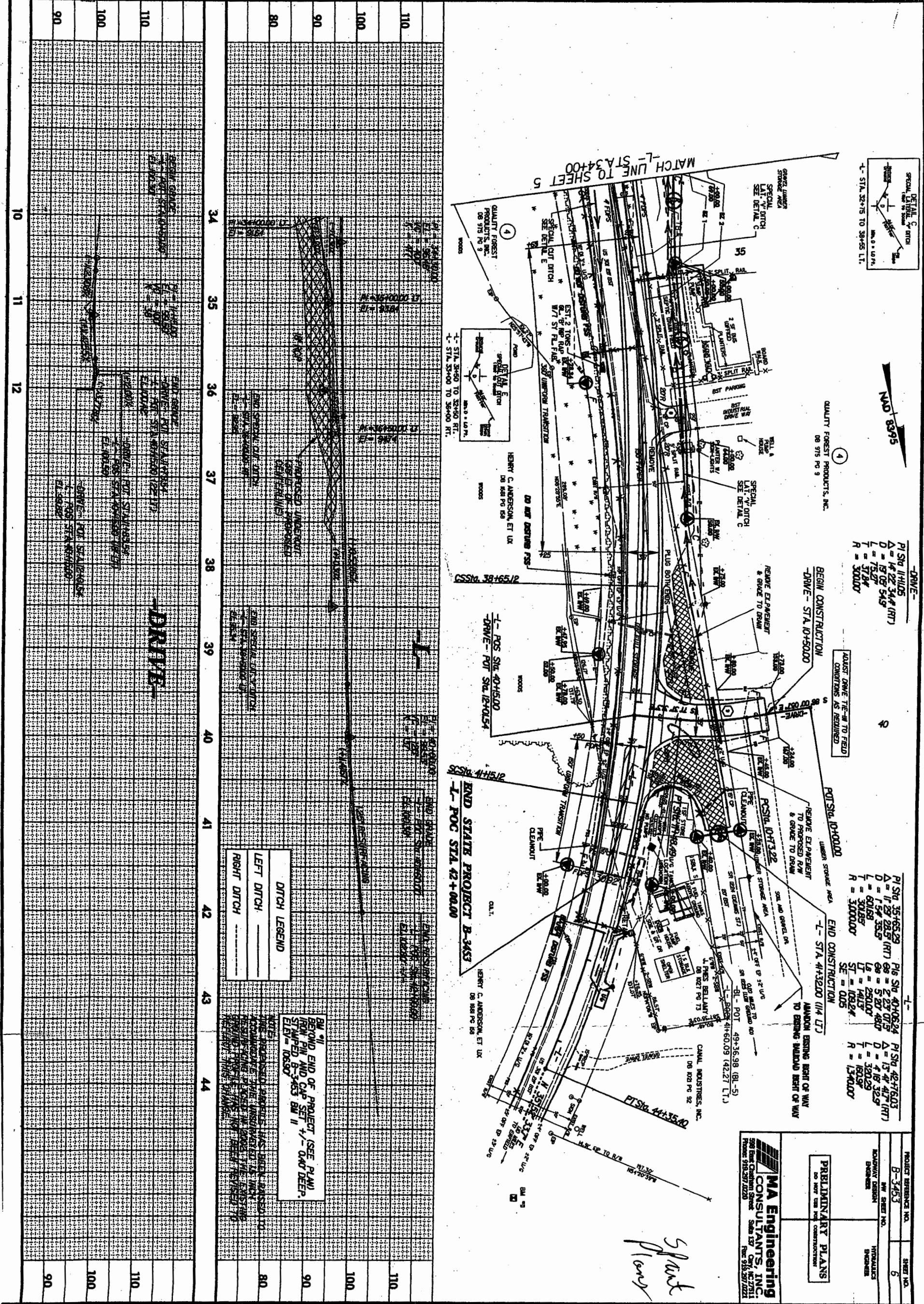
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12/08/2003  
F:\roadway\proj\b3453.rdy\_psh4.dgn  
09:29:24 AM



12/06/2003  
r1\roadway\proj\b3453\_rdy.psh6.dgn  
02:59:12 PM

3/17/99



# VANINTON Power Line

JOB SITE

ROUTE 20

INITIAL STRINGING TENSION IN POUNDS  
MEDIUM LOADING - 50% ULTIMATE DESIGN TENSION  
250' RULING SPAN BETWEEN POLES IEOO & IE04  
BARE 6201 AAC 1/0 (7) PRIMARY & NEUTRAL  
30°=1800#, 45°=1700#, 60°=1550#, 75°=1450#, 90°=1300#

INITIAL STRINGING TENSION IN POUNDS  
MEDIUM LOADING - 50% ULTIMATE DESIGN TENSION  
350' RULING SPAN BETWEEN POLES IE04 & IF10  
BARE 6201 AAC 1/0 (7) PRIMARY & NEUTRAL  
30°=1800#, 45°=1700#, 60°=1550#, 75°=1450#, 90°=1300#

INITIAL STRINGING TENSION IN POUNDS  
MEDIUM LOADING - 50% ULTIMATE DESIGN TENSION  
300' RULING SPAN BETWEEN POLES IE00 & IF10  
BARE 6201 AAC 1/0 (7) PRIMARY & NEUTRAL  
30°=1800#, 45°=1700#, 60°=1550#, 75°=1450#, 90°=1300#

**Construction Notes**  
DUE TO NO DOT PROJECT 8-13010 (P-3453) TO RELOCATE BRIDGE 23 OVER FISHING CREEK & BRIDGE 7 OVER THE FISHING CREEK OVERLORD ON US 301 AT THE EDGECOMBE/HALIFAX COUNTY LINE DOMINION HAS BEEN REQUESTED TO RELOCATE ITS POWER LINE FROM THE OLD POLES AND INSTALL 13 NEW POLES. WILL REQUIRE 6 MONTHS EXPENSE SINCE DOMINION HAS EXISTING POLES. ALL WORK WILL BE AT WORKERS EXPENSE. NC DOT WILL BILL THE ACTUAL COST RIGHT OF WAY FEES AT FACILITY. NC DOT WILL BILL THE ACTUAL COST FOR THIS RELOCATION AND OUR WEB ELEMENT IS 22215.

## MATCH LINE VT SHEET 2 OF 2

