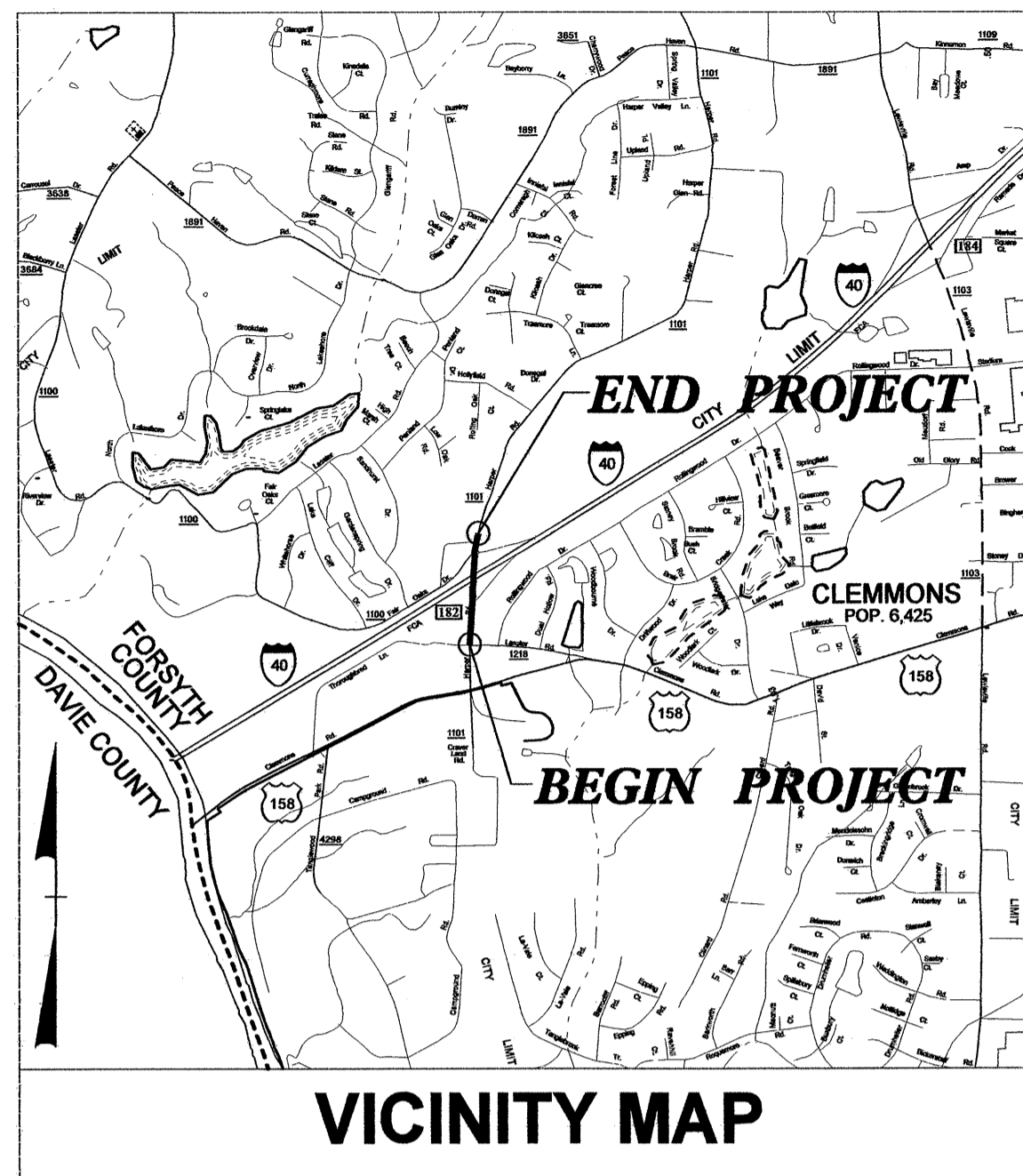


7/01/99

CONTRACT: C201006 TIP PROJECT: I-2102

See Sheet 1-A For Index of Sheets  
See Sheet 1-B For Conventional Symbols



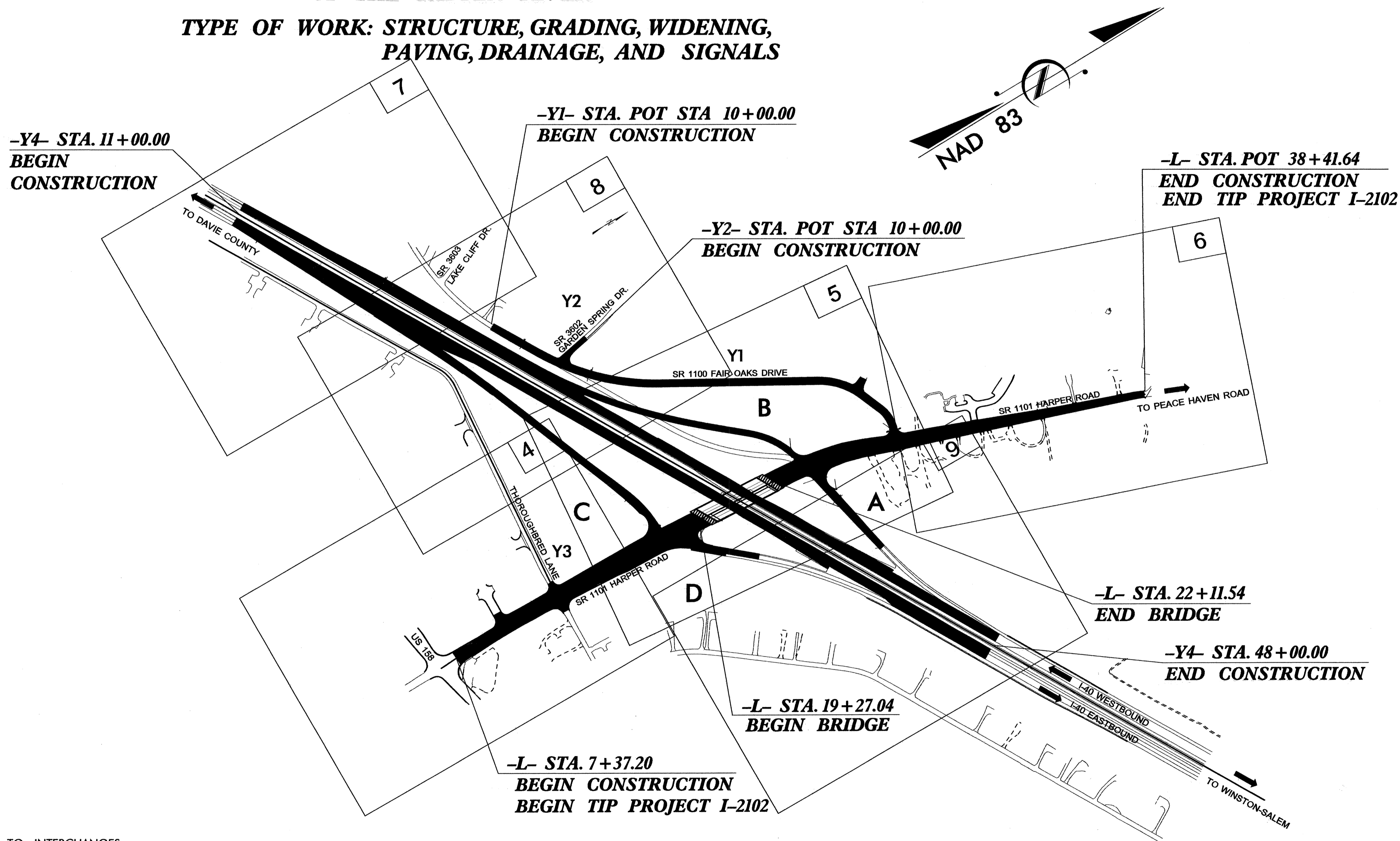
# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

## FORSYTH COUNTY

**LOCATION: I-40 AT (SR 1101) HARPER ROAD  
INTERCHANGE, APPROX. 0.9 MILES EAST  
OF THE YADKIN RIVER**

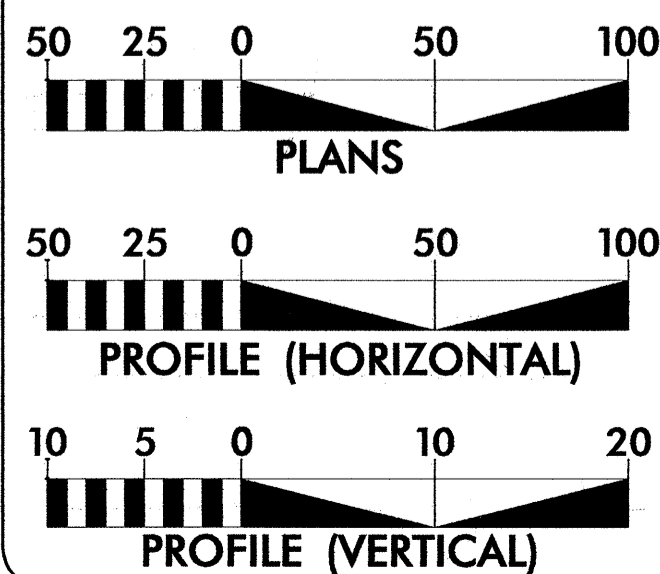
**TYPE OF WORK: STRUCTURE, GRADING, WIDENING,  
PAVING, DRAINAGE, AND SIGNALS**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-2102	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
34153.1.1	IMF-40-3(101)182	P.E.	
34153.2.1	IMF-40-3(101)182	RW	
34153.3.2	IMF-40-3(101)182	CONST.	



DESIGN EXCEPTION VERTICAL CURVATURE  
THIS IS A CONTROLLED-ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES.

### GRAPHIC SCALES



### DESIGN DATA

ADT 2004 = 6580  
 ADT 2025 = 13300  
 DHV = 10 %  
 D = 60 %  
 T = 3 % \*  
 V = 45 MPH  
 \* TTST 1% DUAL 2%

### PROJECT LENGTH

TOTAL LENGTH ROADWAY TIP PROJECT I-2102 = 0.534 MILES  
 TOTAL STRUCTURE LENGTH = 0.054 MILES  
 TOTAL LENGTH STATE TIP PROJECT I-2102 = 0.588 MILES

Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
 NINTH DIVISION DESIGN / CONSTRUCT OFFICE  
 375 Silas Creek Parkway  
 WINSTON-SALEM, NORTH CAROLINA 27127

2002 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:  
 AUGUST 15, 2003

LETTING DATE:  
 OCTOBER 19, 2004

DAVID W. SPAINHOUR, P.E.  
 DIVISION OPERATIONS ENGINEER

EVAN E. ANDREWS, P.E.  
 DIVISION DESIGN/CONSTRUCT ENGINEER

### HYDRAULICS ENGINEER

PAUL E. FISHER  
 PROFESSIONAL ENGINEER  
 SEAL 12575  
 SIGNATURE: [Signature] P.E. 8-31-04

EVAN E. ANDREWS  
 PROFESSIONAL ENGINEER  
 SEAL 27446  
 SIGNATURE: [Signature] P.E. 8-10-04

### DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

STATE DESIGN ENGINEER: [Signature] P.E.  
 DEPARTMENT OF TRANSPORTATION  
 FEDERAL HIGHWAY ADMINISTRATION  
 APPROVED: [Signature] P.E.  
 DIVISION ADMINISTRATOR DATE

11-AUC-2004 09:24  
R:\2102\tsch...  
A:\cawill...