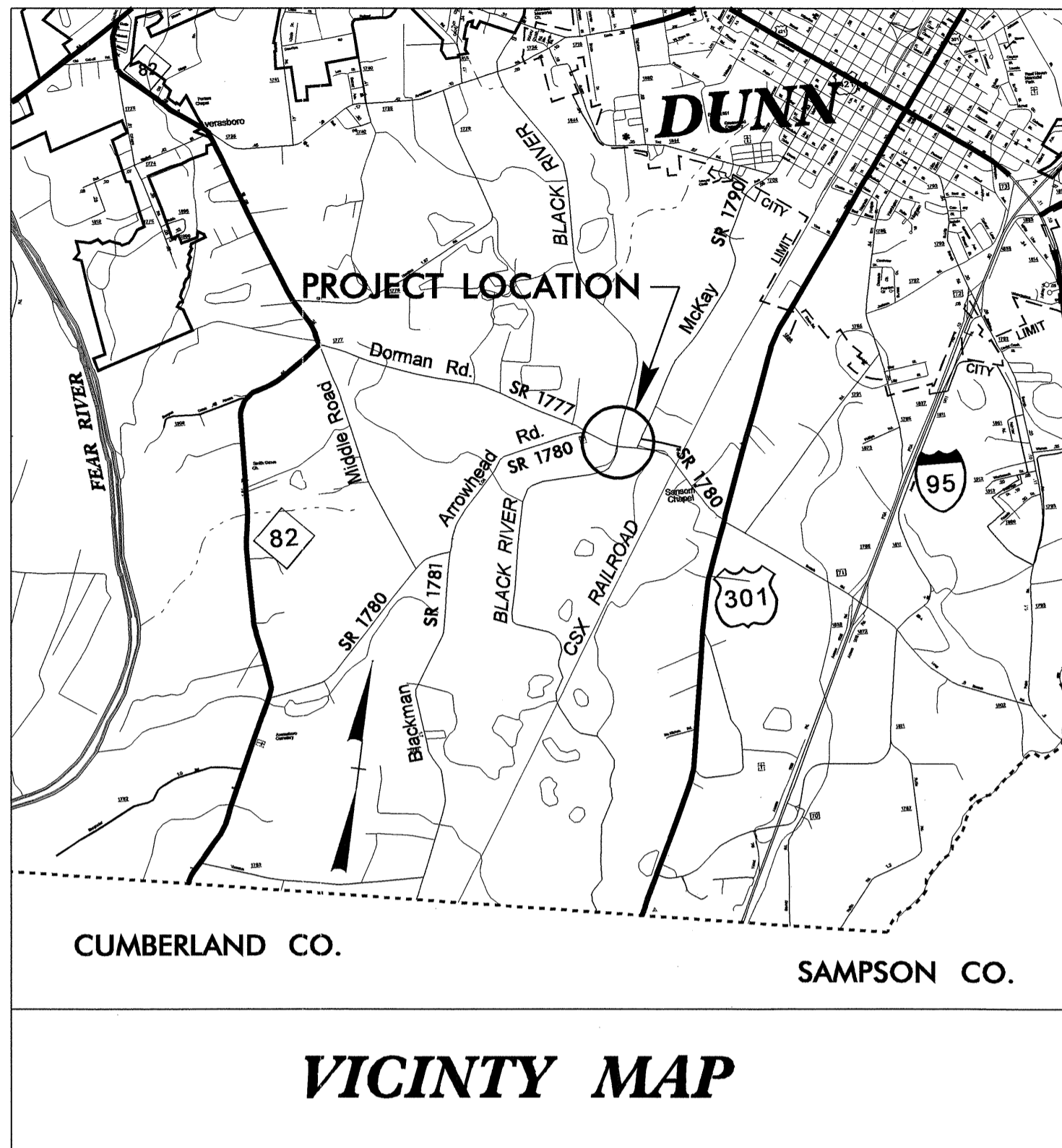


09/08/99

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

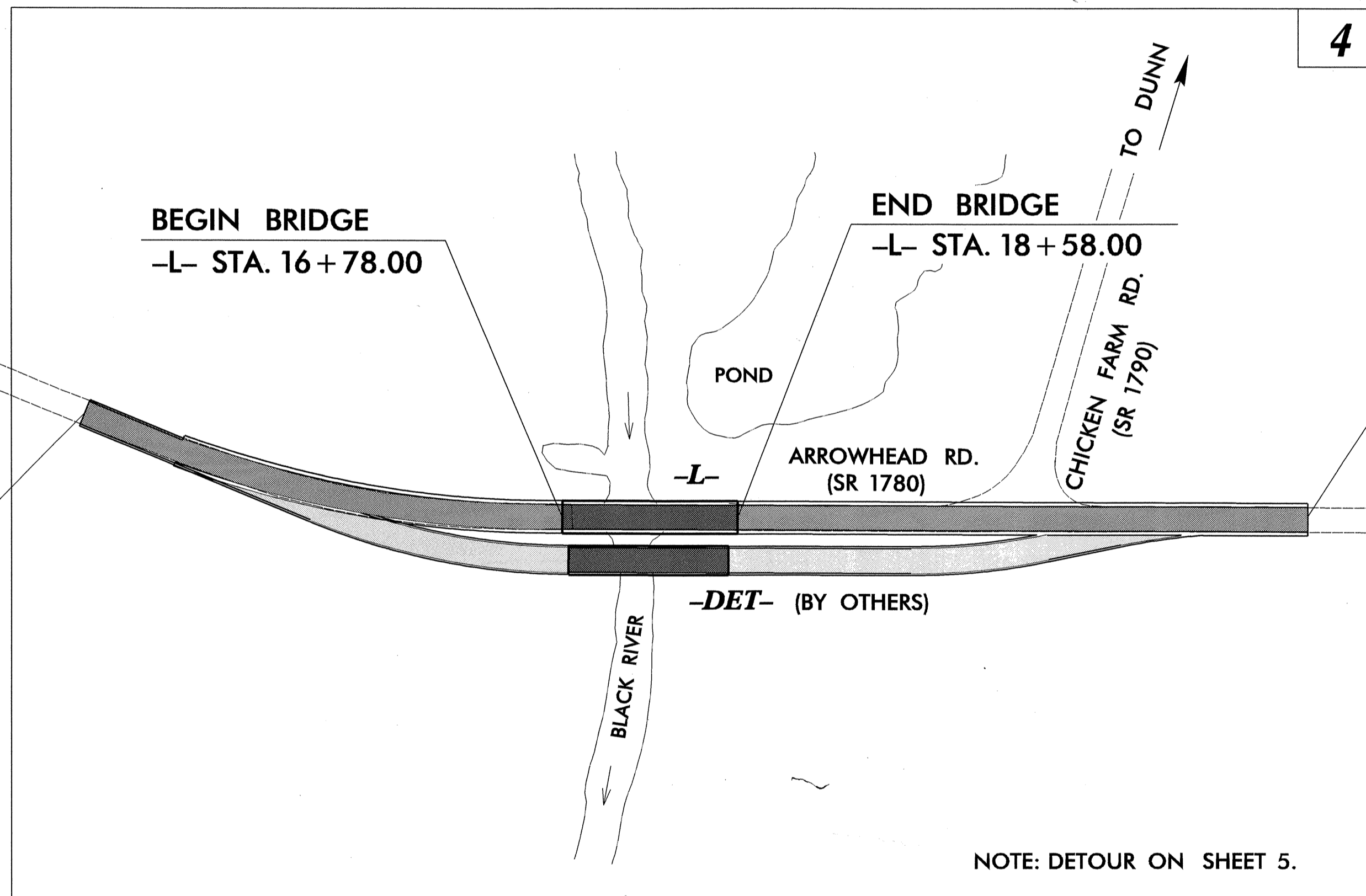


CONTRACT: C200849 TIP PROJECT: B-4139

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
HARNETT COUNTY

LOCATION: BRIDGE 106 OVER BLACK RIVER ON SR 1780
TYPE OF WORK: GRADING, DRAINAGE, PAVING AND STRUCTURE

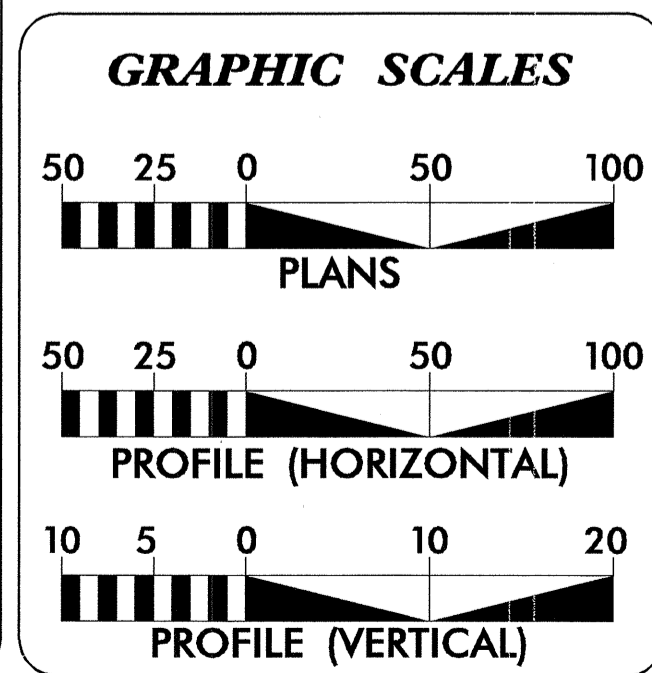
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-4139	1	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
33491.1.1	BRSTP-1780(1)	PE, UTIL	
33491.2.2	BRSTP-1780(1)	ROW	
33491.3.1	BRSTP-1780(3)	CONST.	



-L- STA. 13+00.00
BEGIN STATE PROJECT B-4139

-L- 24+20.00
END STATE PROJECT B-4139

NOTE: DETOUR CONSTRUCTION
TO BE DONE BY OTHERS.



DESIGN DATA

ADT 2004 = 5,100	
ADT 2025 = 10,000	
DHV = 12 %	
D = 60 %	
T = 3 % *	
V = 60 MPH	
* TTST 1 %	DUAL 2 %
FUNC CLASS = COLLECTOR	

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT B-4139 = 0.178 MI
LENGTH STRUCTURE TIP PROJECT B-4139 = 0.034 MI
TOTAL LENGTH OF TIP PROJECT B-4139 = 0.212 MI

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

1995 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: MAY 27, 2003

LETTING DATE: SEPTEMBER 21, 2004

RONALD D. ALLEN, P.E.
PROJECT ENGINEER

BRYAN KEY, PE
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

[Signature]

SEAL 19680

ROADWAY DESIGN ENGINEER

[Signature]

SEAL 26964

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

[Signature]

STATE DESIGN ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED
DIVISION ADMINISTRATOR

DATE

13-FEB-2004 08:32
RD214492\B4139\rdy_tsh.dgn
BCKey AT