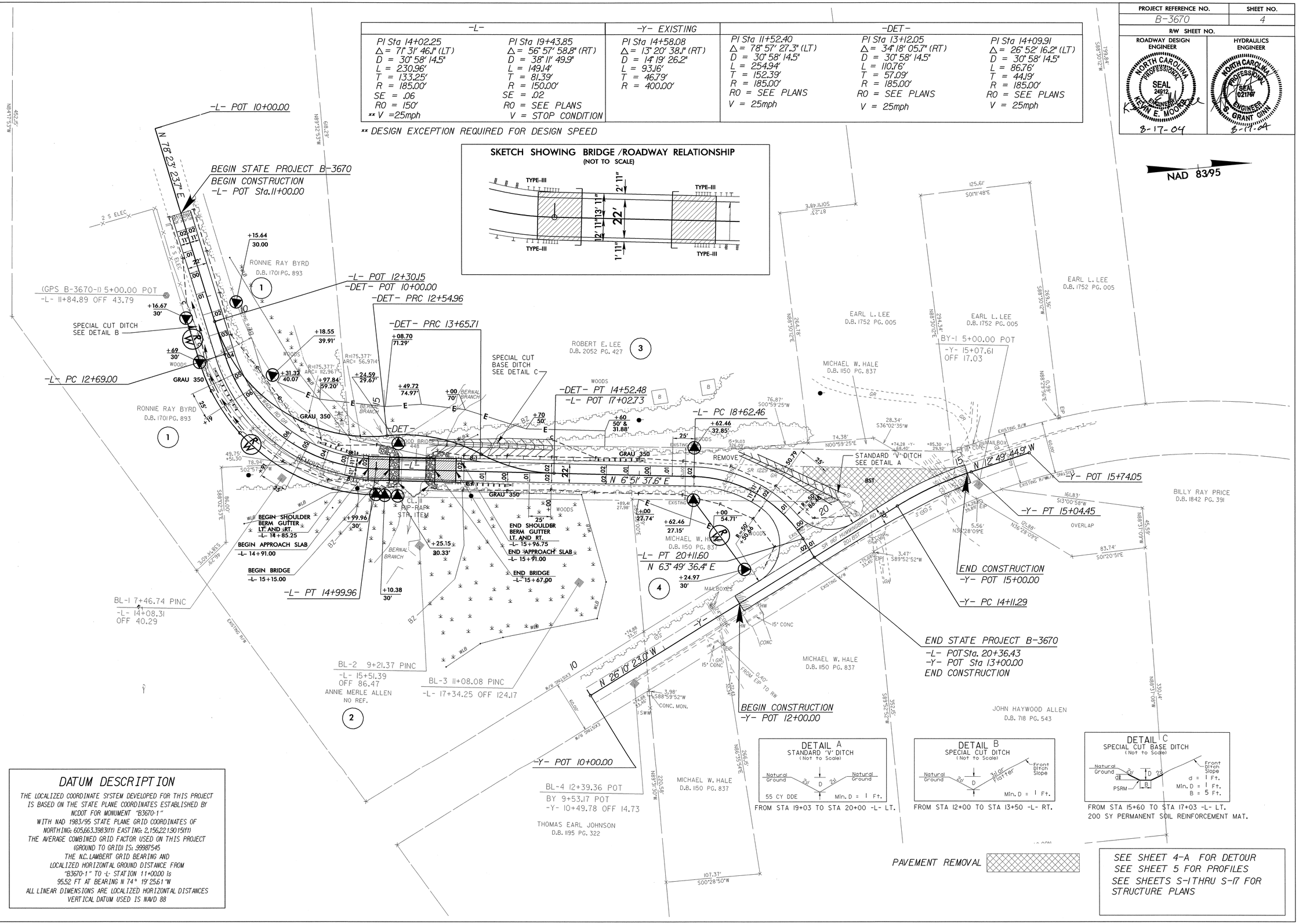
PROJECT REFERENCE NO.	SHEET NO.
B-3670	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 24912 ENGINEER KEVIN E. MOORE 8-17-04	NORTH CAROLINA PROFESSIONAL SEAL 021769 ENGINEER GRANT GINN 8-17-04

NAD 83/95

-L-		-Y- EXISTING	-DET-		
PI Sta 14+02.25	PI Sta 19+43.85	PI Sta 14+58.08	PI Sta 11+52.40	PI Sta 13+12.05	PI Sta 14+09.91
Δ = 71° 31' 46.1" (LT)	Δ = 56° 57' 58.8" (RT)	Δ = 13° 20' 38.1" (RT)	Δ = 78° 57' 27.3" (LT)	Δ = 34° 18' 05.7" (RT)	Δ = 26° 52' 16.2" (LT)
D = 30° 58' 14.5"	D = 38° 11' 49.9"	D = 14° 19' 26.2"	D = 30° 58' 14.5"	D = 30° 58' 14.5"	D = 30° 58' 14.5"
L = 230.96'	L = 149.14'	L = 93.16'	L = 254.94'	L = 110.76'	L = 86.76'
T = 133.25'	T = 81.39'	T = 46.79'	T = 152.39'	T = 57.09'	T = 44.19'
R = 185.00'	R = 150.00'	R = 400.00'	R = 185.00'	R = 185.00'	R = 185.00'
SE = .06	SE = .02		RO = SEE PLANS	RO = SEE PLANS	RO = SEE PLANS
RO = 150'	RO = SEE PLANS		V = 25mph	V = 25mph	V = 25mph
** V =25mph	V = STOP CONDITION				

** DESIGN EXCEPTION REQUIRED FOR DESIGN SPEED

SKETCH SHOWING BRIDGE /ROADWAY RELATIONSHIP
(NOT TO SCALE)



DETAIL A
STANDARD 'V' DITCH
(Not to Scale)

55 CY DDE — Min. D = 1 Ft.

FROM STA 19+03 TO STA 20+00 -L- LT.

DETAIL B
SPECIAL CUT DITCH
(Not to Scale)

Min. D = 1 Ft.

FROM STA 12+00 TO STA 13+50 -L- RT.

DETAIL C
SPECIAL CUT BASE DITCH
(Not to Scale)

d = 1 Ft.
Min. D = 1 Ft.
B = 5 Ft.

FROM STA 15+60 TO STA 17+03 -L- LT.
200 SY PERMANENT SOIL REINFORCEMENT MAT.

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "B3670-1" WITH NAD 1983/95 STATE PLANE GRID COORDINATES OF NORTHING: 605,663.3983(ft) EASTING: 2,156,221.9015(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: .99987545 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B3670-1" TO -L- STATION 11+00.00 is 95.52 FT AT BEARING N 74° 19' 25.6" W ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

SEE SHEET 4-A FOR DETOUR
SEE SHEET 5 FOR PROFILES
SEE SHEETS S-1 THRU S-17 FOR STRUCTURE PLANS

8/17/99

28-JUL-2004 14:14
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KMoore AT RD12460