8/17/99

PLANS PREPARED BY :
RUMMEL KLEPPER & KAHL, LLP
consulting engineers
5800 FARINGDON PLACE SUITE 105
RALEIGH, NORTH CAROLINA 27609-3960
FOR
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
B-3607	4
RW SHEET NO.	

ROADWAY DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 21122 ENGINEER MICHAEL C. MERRITT — 3/19/04
HYDRAULICS ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 18181 ENGINEER TIM H. SWITZER — 3/19/04

-Y- PI Sta 14+62.44
Δ = 4° 09' 20.7" (RT)
D = 3° 15' 00.0"
L = 127.87'
T = 63.96'
R = 1,762.95'

-Y- PC Sta. 13+98.48
-L-POT Sta. 10+00.00
-Y-POT Sta. 14+73.18
-Y- PT Sta. 15+26.35
-Y- POT Sta. 16+00.00

-DRIVE-
PI Sta 10+81.77
Δ = 29° 11' 12.0" (RT)
D = 287° 00' 00.0"
L = 10.17'
T = 5.20'
R = 19.96'
e = NC
RO = NA

PI Sta 10+47.85
Δ = 43° 07' 11.0" (LT)
D = 191° 00' 00.0"
L = 22.58'
T = 11.85'
R = 30.00'
e = NC
RO = NA

END CONSTRUCTION
-DRIVE-PT Sta. 10+86.75
-DRIVE-PC Sta. 10+76.58
N 34° 12' 20.0" W
-DRIVE-PT Sta. 10+58.58
-DRIVE-PC Sta. 10+36.00
-L-PC Sta. 12+49.35
-DRIVE-N 8° 54' 51.0" E
-DRIVE-POT Sta. 10+00.00 OBLITERATE
-L-POT Sta. 11+75.00 =

-L-PT Sta. 14+61.54

-L-
PI Sta 3+55.64
Δ = 8° 29' 15.3" (LT)
D = 4° 00' 00.0"
L = 212.19'
T = 106.29'
R = 1,432.39'
e = .04
RO = 85'

BEGIN STATE PROJECT TIP NO. B-3607
-L- STA. 10+10.28

END STATE PROJECT TIP NO. B-3607
-L- STA. 15+82.14

BEGIN APPROACH SLAB
-L-POT Sta. 10+33.00
BEGIN BRIDGE
-L-POT Sta. 10+45.00
END BRIDGE
-L-POT Sta. 11+30.00
END APPROACH SLAB
-L-POT Sta. 11+42.00

DETAIL FOR CORED SLAB BRIDGE AND APPROACHES
5.5' SIDEWALK
3'
39'
22'
3'
5.5' SIDEWALK
SEE SHEET S-1 THRU S-28 FOR STRUCTURE PLAN

NOTE: USE 6' ABC ON ALL PROPOSED DRIVEWAYS
NOTE: DRIVEWAY RADII ARE 5 FEET UNLESS OTHERWISE NOTED

DETAIL A
SPECIAL CUT DITCH
(Not to Scale)
Natural Ground — 2:1 — D — 4:1 or Flatter — Front Ditch Slope
Min. D = 1.0 Ft.
-L- STA. 14+50 TO 15+50 LT

BL-3 5+00.00 POT=
BY 9+73.68 POT
-L- POT 10+24.40 21.82' LT

BL-4 9+05.29 POT=
-L- POC 14+27.70 17.21' LT

WILLIAM R. JOHNSON
ROSIE M. HARTSOE
DB 164 PG 1292

E. WEBB WALLS
PHYLLIS JOHNSON WALLS
DB 199 PG 1480-1481
DB 169 PG 137

MICHAEL WARREN JOHNSON
DORIS B. JOHNSON
DB 197 PG 1274-1275

WAYNE BLEVINS
DB 5 PG 176

ASHE COUNTY BOARD OF EDUCATION
DB A-5 PG 552
DB G-4 PG 426

BILLY BOB JOHNSON
ROSIE JOHNSON
WEBB WALLS
PHYLLIS WALLS
DB 202 PG 1736-1737

NC GRID NAD 83

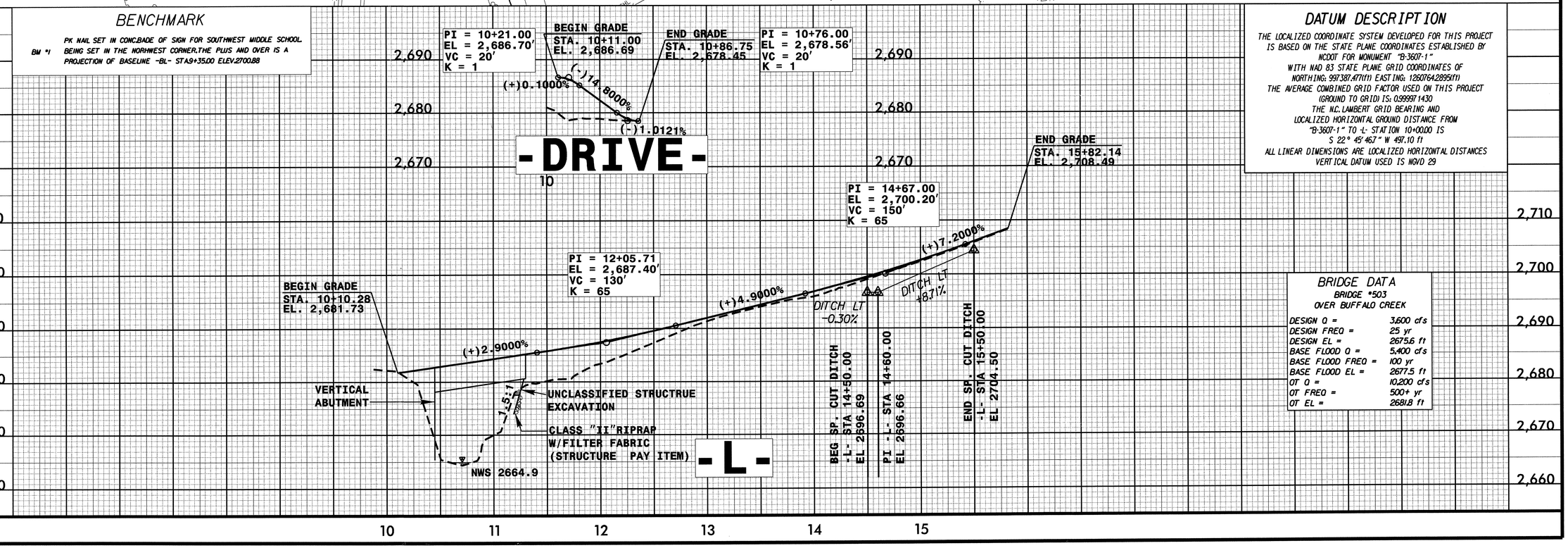
REMOVE TIMBER PILES & LAGGING RETAIN CONCRETE FOOTING
REMOVE EXISTING BRIDGE & ABUTMENT
EXISTING RIGHT OF WAY TO BE ABANDONED
1 TONS CLASS B RIPRAP W/ 5 SY FILTER FABRIC
24" BCCS W/2 ELBOWS
SPECIAL CUT DITCH SEE DETAIL A
PROP. 72' CHL FENCE
PROP 8' GATE
END PROP. FENCE
REMOVE

BENCHMARK

BM #1 — PK NAIL SET IN CONC.BASE OF SIGN FOR SOUTHWEST MIDDLE SCHOOL. BEING SET IN THE NORHWEST CORNER.THE PLUS AND OVER IS A PROJECTION OF BASELINE -BL- STA 9+35.00 ELEV.2700.88

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "B-3607-1" WITH NAD 83 STATE PLANE GRID COORDINATES OF NORTHING: 997387.477(ft) EASTING: 1260764.2895(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99997430
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B-3607-1" TO -L- STATION 10+00.00 IS S 22° 45' 46.7" W 497.10 ft
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NGVD 29



BRIDGE DATA

BRIDGE #503
OVER BUFFALO CREEK

DESIGN Q =	3,600 cfs
DESIGN FREQ =	25 yr
DESIGN EL =	2675.6 ft
BASE FLOOD Q =	5,400 cfs
BASE FLOOD FREQ =	100 yr
BASE FLOOD EL =	2677.5 ft
OT Q =	10,200 cfs
OT FREQ =	500+ yr
OT EL =	2681.8 ft

03/05/04 10:57:41
P:\roadway\proj\b3607_rdy_psh.dgn
timmings