Docusign Envelope ID: 49367812-862C-40D6-8ECB-7C5FAF876061

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
W-5704E	8
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 19724 ENGINEER DAVID BURKE EVANS
1DFC0000
3/16/2026

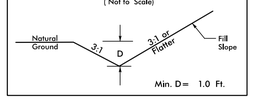
HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 044158 ENGINEER JOSHUA MICHAEL WILKINSON
DTB0AX8B
3/16/2026

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TGS ENGINEERS
706 HILLSBOROUGH ST. SUITE 200
RALEIGH, NC 27603
PH (919) 773-8887
CORP. LICENSE NO.: C-0275

NAD 83 /NA2011

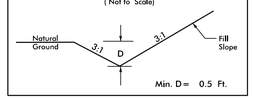
DETAIL 1
SPECIAL LATERAL 'V' DITCH
(Not to Scale)



Min. D= 1.0 Ft.

FROM –L– STA. 70+95 TO STA. 80+00 RT
FROM –Y7– STA. 11+15 TO STA. 11+50 RT
FROM –Y7– STA. 15+75 TO STA. 17+50 LT

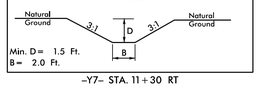
DETAIL 4
SPECIAL LATERAL 'V' DITCH
(Not to Scale)



Min. D= 0.5 Ft.

FROM –Y7– STA. 12+25 TO STA. 12+57 RT

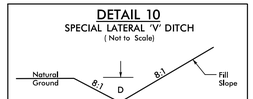
DETAIL 7
STANDARD BASE DITCH
(Not to Scale)



Min. D= 1.5 Ft.
B= 2.0 Ft.

–Y7– STA. 11+30 RT

DETAIL 10
SPECIAL LATERAL 'V' DITCH
(Not to Scale)



Min. D= 0.5 Ft.

FROM –Y7– STA. 11+15 TO STA. 12+30 LT
FROM –Y7– STA. 12+70 TO STA. 14+00 LT

–Y7– SR 1702
(ARCHER LODGE ROAD)

2020 ADT
2040 ADT

3,880 / 6,400
11,840 / 18,100
2,670 / 3,800
200 / 200
–L– SR 1700
8,050 / 11,700
2,380 / 4,200
1,060 / 1,400
4,440 / 8,000

–Y7– SR 1703
(S.MURPHREY ROAD)

LARRY J. HARDING AND WIFE JANICE T. HARDING
DB 727 PG 548
PB 9 PG 35
PB 31 PG 247
PB 70 PG 47

LARRY HARDING AND WIFE, JANICE T HARDING
PB 9 PG 35
PB 59 PG 233
PB 70 PG 47

(55)

(54) LARRY HARDING AND WIFE, JANICE T HARDING
PB 9 PG 35
PB 59 PG 233

(50) ARCHER LODGE VOLUNTEER FIRE DEPARTMENT
DB 3222 PG 184
PB 60 PG 173
PB 78 PG 420

(53) JANICE HARDING
DB 4615 PG 274
PB 81PG 320

(57) JANICE HARDING
DB 4615 PG 274
PC 9 SL 35

(56) LARRY J. HARDING AND WIFE JANICE T. HARDING
DB 727 PG 548
PB 9 PG 35

JANICE HARDING
PC 51SL 39

LAURA JEAN MOORE
DB 513 PG 47
PB 7 PG 59

LAURA JEAN MOORE
DB 867 PG 51

(64) LONA REA H. BARNES, TRUSTEE OF THE CHARLES E. BARNES FAMILY TRUST
DB 3636 PG 97
PB 7 PG 59

LONA REA BARNES
PB 7 PG 59

(62)

(65) ARCHER LODGE VOLUNTEER FIRE DEPARTMENT
ISBLK BUS
DB 579 PG 143

(63) MICHAEL O. MULHOLLEM
DB 5260 PG 985

(63A) MICHAEL O. MULHOLLEM
DB 5260 PG 985

HARDING WALL CEMETERY
PB 82 PG 40

CROPLAND

WOODS

ISFD

ISBK

–Y7– PI Sta. 10+00.00
BEGIN CONSTRUCTION
–Y7– STA. 11+15.00

–Y7– PC Sta. 13+90.10
–L– PT Sta. 70+11.55

–L– PC Sta. 67+73.16

–Y7– PT Sta. 15+07.83

–BL–102

–BL–101

–BL–103

–L– POT Sta. 70+68.56 =
–Y7– POT Sta. 15+28.72
S 2° 21' 19.5" W

–Y7– PC Sta. 15+53.72
DELTA =
N: 707,036.
E: 2,185,343.
BL– STA 32+86.81
O/S 138.24' RT
ELEV.=327.73' (
RR SPIKE IN BASE OF 50" OAK

–Y7– POC Sta. 17+50.00=
–DRW3– POT Sta. 10+00.00

–DRW3– PC Sta. 10+52.15

–DRW3– PT Sta. 11+06.55
–DRW3– POT Sta. 11+06.99

–Y7– PT Sta. 18+37.21

–Y7– PC Sta. 19+70.54

–L– PC Sta. 78+78.42

–Y7– PI Sta. 10+00.00

MATCH LINE –L– STA.66+00 SEE SHEET NO.7

MATCH LINE –L– STA.80+00 SEE SHEET NO.9

MATCH LINE –Y7– STA.20+00 SEE SHEET 10

BEGIN PROJECT –Y7– STA. 10+10.00

★ UPGRADE EXISTING OR NEW SIGNAL

SEE SHEET 13 FOR –L– PROFILE
SEE SHEETS 15 & 16 FOR –Y7– PROFILE
SEE SHEETS 15 FOR –DRW3– PROFILE

–DRW3– CURVE DATA

PI Sta 10+82.39
Δ = 62° 20' 23.2" (RT)
D = 114° 35' 29.6"
L = 54.40'
T = 30.25'
R = 50.00'

–Y9– CURVE DATA

PI Sta 14+19.64
Δ = 64° 51' 25.9" (RT)
D = 25° 01' 12.0"
L = 259.22'
T = 145.49'
R = 229.00'

–L– CURVE DATA

PI Sta 68+92.53	PI Sta 83+04.81
Δ = 7° 35' 18.3" (RT)	Δ = 8° 13' 31.6" (LT)
D = 3° 10' 59.2"	D = 0° 57' 58.3"
L = 238.40'	L = 851.32'
T = 119.37'	T = 426.39'
R = 1,800.00'	R = 5,930.00'
SE = 03	SE = NC
DS = 45 MPH	DS = 45 MPH

–Y7– CURVE DATA

PI Sta 14+49.39	PI Sta 17+01.71	PI Sta 21+14.82	PI Sta 24+90.97
Δ = 16° 51' 50.3" (LT)	Δ = 40° 36' 24.4" (RT)	Δ = 39° 40' 07.1" (LT)	Δ = 3° 07' 15.4" (LT)
D = 14° 19' 26.2"	D = 14° 19' 26.2"	D = 14° 19' 26.2"	D = 0° 38' 27.7"
L = 117.73'	L = 283.49'	L = 276.94'	L = 486.86'
T = 59.30'	T = 147.99'	T = 144.28'	T = 243.49'
R = 400.00'	R = 400.00'	R = 400.00'	R = 8,937.96'
SE = 04	SE = 04	SE = 04	SE = MATCH EXIST.
DS = 35 MPH	DS = 35 MPH	DS = 35 MPH	

3/16/2026
X:\ncdot\w-5704e\roadway\proj\W-5704E_RDY_PSH08.dgn
User:bevans