3	8/15/03	ADDED BREMCO POWER EASEMENT
5	11/12/03	ADJUSTED ROW ON PARCELS 86 THRU PARCEL 94
6	4/21/04	NAME CHANGE PARCEL 90, 91, 92 ADDED DRIVE PARCEL 85

PROJECT REFERENCE NO.	SHEET NO.
R-2237B	EC-54/CONST 25
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DETAIL FSR
FALSE SUMP
Outside Ditch Traffic Flow
20ft 10ft 2.0 Ft
(Not to Scale)
GI std.
S=Ditch Slope
℄ Proposed Ditch
C.S. = 4 Ft
W.S. = 7 Ft
I.O. Max.

-L- 273+00 (RT.)
-L- 277+00 (RT.)
-L- 279+50 (RT.)

DETAIL B
TOE PROTECTION
(Not to Scale)
Natural Ground
Fill Slope
d
Filter Fabric
Type of Liner = CL. 'I'
d= 1.0 Ft

-L- 271+00 TO 271+72 (LT.)
-L- 273+00 TO 277+00 (LT.)
-L- 279+50 TO 281+18 (LT.)
-L- 283+00 TO 284+00 (LT.)

NAD 83

40 x 20 x 3
8' weir

30 x 6 x 3
4' weir

+20.00
340.00 ft.

CL. 'I' RIP-RAP
EST. 4 TONS
EST. 10 SYFF

TOE PROTECTION
SEE DETAIL B
EST. 222 TONS
EST. 314 SYFF

PROP. SLOPE LIMIT
PROP. R/W

18" CSP W/ 1 ELBOW

BREMCO POWER EASEMENT

85
ALAN BORMUTH
DB 0784 PG 0347

+50.00
105.00 ft.

+35.00
85.00 ft.

TOE PROTECTION
SEE DETAIL B
EST. 128 TONS
EST. 180 SYFF

18" CSP W/ 2 ELBOWS

+30.00
415.00 ft.

CL. 'I' RIP-RAP
EST. 4 TONS
EST. 10 SYFF

TOE PROTECTION
SEE DETAIL B
EST. 53 TONS
EST. 75 SYFF

PROP. R/W
PROP. SLOPE LIMIT

85
ALAN BORMUTH
DB 0784 PG 0347

TOE PROTECTION
SEE DETAIL B
EST. 51 TONS
EST. 73 SYFF

BL-32
PINC 273+49.15

PROP. GUARDRAIL

FILL WITH FLOWABLE MATERIAL

JB W/ SLAB LID

+25.00
90.00 ft.

18" CSP W/ 2 ELBOWS

REMOVE

+19.CAT-I

PROP. GUARDRAIL

175 TYPE 350

12" RCP

FILL WITH FLOWABLE MATERIAL

FSR SEE DETAIL

BEGIN EXPWY. GUTTER +00

+25.00
Ex.R/W

+88.99
63.84 ft.

+40.00
65.08 ft.

-L- CS
Sta. 275+15.78

+50.00
130.00 ft.

MATCHLINE -L- STA. 271+00.00 SEE SHEET NO. 24

HANNES M.& SYLVIA M.CHAREN
DB 1192 PG 0892
PB 07 PG 78

GEORGE MOORE (RAPLH E.& FLORE WILLIAMS)
DB 0706 PG 0150
PB 07 PG 78

NCDOT
DB 0749 PG 0688
PB 07 PG 78

BENJAMIN D.& JACKIE P.GRIFFIN
DB 1259 PG 0412
PB 07 PG 78

BEN GRIFFIN REALTY & AUCTION, INC. (HELEN C.& THOMAS L.SULLIVAN, JR.)
DB 0941 PG 0848
PB 07 PG 78

BENJAMIN D.GRIFFIN, SR. (PAUL P.& REBECCA HEDRICK)
DB 1129 PG 1803
PB 07 PG 78

MICHAEL E.& MARY C.McLEOD (BENJAMIN D.& JACKIE P.GRIFFIN)
DB 1251 PG 0314
PB 07 PG 78

DEBORAH D.& BRADLEY D.INDICOTT
DB 1254 PG 1241
PB 07 PG 78

PAUL T.& CINDY B.KEARNS
DB 1845 PG 0051
PB 07 PG 78

PROP. EXP. GUTTER

-L- SRS
Sta. 277+95.78

PROP. SLOPE LIMIT

-L- ST Sta. 283+57.31

-L- POS Sta. 282+24.31 =
-Y2- POT Sta. 10+00.00

PROP. EXP. GUTTER

BL-33
PINC 282+57.30

-L- SC Sta. 280+75.78

-L- CS Sta. 280+77.31

BEGIN EXPWY. GUTTER +50

TAPER 200' BOTH SIDES

TAPER 12' R=40'

TAPER 12' R=50'

280+00

REMOVE HW

END EXPWY. GUTTER +00

+80.00 -Y2-
31.08 ft.

+00.00
95.00 ft.

FILL WITH FLOWABLE MATERIAL

+00.00 -L-
97.59 ft.

-Y2- PC Sta. 10+77.78

-Y2- PT Sta. 11+24.70

-Y2- POT Sta. 12+19.48

MATCHLINE -L- STA. 284+00.00 SEE SHEET NO. 26

SR 1422 FALCON RIDGE RD

FALCON CREST EST

W/LT

WD RAIL

WD DECK

2 S F D

1 S F D

CONC

-L-

CURVE LR21
PI = 271+86.65
Δ = 64° 14' 22.3" (RT)
Dc = 6° 00' 00.0"
es = 8° 24' 00.0"
Ls = 280.00'
Ts = 741.53'
Lc = 790.66'
Rc = 954.93'
LT = 186.88'
ST = 93.52'
e = 0.08
DS = 50 mph

-L-

CURVE LR22
PI = 280+78.50
Δ = 19° 41' 43.1" (LT)
Dc = 6° 59' 45.0"
es = 9° 47' 38.9"
Ls = 280.00'
Ts = 282.72'
Lc = 1.53'
Rc = 819.00'
LT = 186.95'
ST = 93.59'
e = 0.08
DS = 50 mph

-Y2-

PI Sta 11+01.31
Δ = 10° 45' 08.1" (RT)
Dc = 22° 55' 05.9"
L = 46.92'
T = 23.53'
R = 250.00'
DS = 30 mph

ADT 2004 / 2024

-L- 4450 / 6700

115 / 195 | 115 / 195

230 / 390

-Y2-

TRAFFIC VOLUMES

NOTES:

1. DRIVEWAY RETURN RADII ARE 10' UNLESS OTHERWISE SHOWN
2. ALL CSP WILL BE ROD LUG AND GASKET CONNECTOR

REFERENCES:

FOR -L- PROFILE SEE SHEET 53
FOR -Y2- PROFILE SEE SHEET 61