METRIC	PROJECT REFERENCE NO.	SHEET NO.
5 0 10	R-5131C	EC-99/CONST.51
CONST.REV.	R /W SHEET NO.	
R /W REV.	ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

6/10/99

NAD 83

MATCH TO SHT.NO.23
MATCHLINE STA. 48+80.000 -Y8-

MATCHLINE STA. 15+60.000 MATCH TO SHT. NO. 23

MATCH TO SHT.NO.23
MATCHLINE STA. 52+20.000 -Y8-

N 86° 29' 39.5"E

-Y8- ST 52+16.755

-Y8- CS 51+56.755

-Y4- CS 16+08.762

-Y8- PT 50+63.497

-Y8- SC 49+34.324

-Y4- ST 16+58.762

-Y4- POS 16+38.070 =
-Y8- POT 50+86.051 L.B.
-Y8- PC 50+90.153 L.A. =

-Y4- POT 17+45.000
END CONSTRUCTION

S 60° 54' 46.8"E

S 29° 34' 39.4"W

6 x 3 x 1
1.5 weir

6 x 3 x 1
1.5 weir

+34.324 -Y8-
14.000 (LT)
45.9 FT

+80 -Y8-
18.000 (LT)
59.1 FT

+60 -Y8-
18.000 (LT)
59.1 FT
END WW FENCE

+20 -Y8-
25.000 (LT)
82.0 FT
BEG.WW FENCE

+56.755 -Y8-
14.000 (LT)
45.9 FT

+20 -Y8-
EXIST.R/W

+90 -Y8-
30.000 (RT)
98.4 FT

+40 -Y4-
17.000 (RT)
55.8 FT

+40 -Y4-
17.000 (LT)
55.8 FT

+60 -Y4-
EXIST.R/W

+60 -Y8-
EXIST.R/W

17.000 (RT)-Y4-
55.8 FT
@ EXIST.R/W

17.000 (LT)-Y4-
55.8 FT
@ EXIST.R/W

CL."B" RIP RAP:
EST.13.6 MTN
FILTER FABRIC:
EST.30.9 S.M.

PROP. GUARDRAIL

PROP.G.R.AJ.
TYPE 350

EXISTING R/W

WLB

V-DITCH
-Y8- 48+60+/- TO 50+73+/- RT
EST.DDE:678 CuM
SEE DETAIL "P" SHT.2-J

0.6m BASE DITCH
CONSTRUCT DURING -Y4DET-
CONSTRUCTION
SEE PLAN SHEET 51B

RIP RAP & FILTER FABRIC
PLACED DURING -Y4DET-
CONSTRUCTION.
SEE PLAN SHEET 51B

NOTE: 450 RCP INSTALLED DURING
-Y4DET- CONSTRUCTION. RETAIN.
SEE PLAN SHEET 51B

450 RCP
+70.453

105D RCP
HEADWALL

TAPER TO EXISTING LT & RT

EXIST

DENOTES 125mm MONOLITHIC
CONC. ISLAND - SEE DETAIL SHT. 2K

SEE SHEET NO. 117 FOR LINE -Y4- GRADE
AND PROFILE.
SEE SHEET NO. 127 FOR LINE -Y8- GRADE
AND PROFILE

47

47

K. M. BIGGS, INC.
DB 644 PG 162
DB 644 PG 160
DB 17H PG 013

BEN E. PITTMAN, JR.
DB 20D PG 108

-Y8-

Pls Sta 45+77.705	Pl Sta 46+84.050	Pls Sta 47+83.343
Θs = 6° 44' 26.4"	Δ = 31° 03' 50.8" (RT)	Θs = 5° 43' 46.5"
Ls = 60.000	L = 162.651	Ls = 60.000
RI = 1700.000	T = 83.378	LT = 40.021
R2 = 300.000	R = 300.000	ST = 20.019
LT = 37.033	SE = 8%	
ST = 23.030		

-Y8-

Pls Sta 49+14.357	Pl Sta 50+00.516
Θs = 7° 09' 43.1"	Δ = 30° 50' 16.4" (LT)
Ls = 60.000	L = 129.173
LT = 40.033	T = 66.192
ST = 20.030	R = 240.000
	SE = 8%

-Y8-

Pl Sta 51+23.688	Pls Sta 51+76.787
Δ = 16° 35' 27.9" (LT)	Θs = 7° 28' 24.1"
L = 66.601	Ls = 60.000
T = 33.535	LT = 40.036
R = 230.000	ST = 20.032
SE = 4%	

-Y4-

Pls Sta 15+02.185	Pl Sta 15+63.926	Pls Sta 16+25.432
Θs = 2° 51' 53.2"	Δ = 10° 18' 12.3" (RT)	Θs = 2° 51' 53.2"
Ls = 50.000	L = 89.914	Ls = 50.000
LT = 33.338	T = 45.079	LT = 33.338
ST = 16.671	R = 500.000	ST = 16.671
	SE = 6%	

75/112	-Y4- (SR 2505)		
8/14		8/14	
			-Y8-
24/47	3/6	3/6	24/47
65/97	2002 ADT		
	2022 ADT		
	IN HUNDREDS		

12-APR-2004 10:26
dn_metric_ss.pl (rdwy design)
dn_us_ss.pl (hydraulics)