PROJECT REFERENCE NO.	SHEET NO.
R-2237B	EC-13/CONST 12
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE- B AND TEMPORARY ROCK SILT CHECKS TYPE-A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 12

NAD 83

MATCHLINE -L- STA. 105+00.00 SEE SHEET NO. 11

MATCHLINE -L- STA. 118+00.00 SEE SHEET NO. 13

27 DANNY A.WOODRING DB 1208 PG 0015

29 LEON J.OAKES DB 1208 PG 0019

26 FAITH M.& DAVID L.OAKES DB 1251 PG 1084

30 BENNIE E.TUDOR,SR.& WILLIAM V.TUDOR,SR. DB 0876 PG 0662

32 BRADLEY D.& DEBORAH A.INDICOTT DB 0785 PG 0692

28 DAVID & LAURA J.WARD DB 1182 PG 0511

31 BILLY R.& CATHY HAMBY DB 1238 PG 0752

33 JAMES D.& MELODY A.RICH DB 0987 PG 0212

14 x 7 x 3 4' weir

ENERGY DISSIPATOR

PROP.R/W

PROPOSED SLOPE LIMIT

+00.00 120.00 ft.

+10.00 117.00 ft.

+50.00 300.00 ft.

+75.00 190.00 ft.

111+93.22 320.00 ft.

L= CS Sta. 107+65.66

CL. 1 RIP-RAP EST. 4 TONS EST. 10 SYFF

PROPOSED EXP.GUTTER

PROPOSED GUARDRAIL

FILL WITH FLOWABLE MATERIAL

END EXPWY. GUTTER +50

BEGIN EXPWY. GUTTER +50

TOE PROTECTION SEE DETAIL B EST. 64 TONS EST. 90 SYFF

JB w/ SLAB LID

30" RCP

90' TYPE 350

16' TBJB W/ SLAB LID

EXISTING R/W

RETAIN & CLEAN OUT EXISTING PIPE

REMOVE

REMOVE HW

18" RCP

FSR SEE DETAIL

18" CSP W/ 1 ELBOW

15" RCP

30" CSP W/ 1 ELBOW

BDD 72

BDD 73

BDD 74

BDD 75

BDD 76

2GI

-L- ST Sta. 109+15.66

BL-12 PINC 110+10.40

BL-13 PINC 115+67.84

SPECIAL CUT DITCH SEE DETAIL E

TOE PROTECTION SEE DETAIL B EST. 20 TONS EST. 28 SYFF

+70.00 224.000

+100.00 224.000

+60.00 85.00 ft.

+0.00 85.00 ft.

+50.00 248.00 ft.

111+34.089 327.57 ft.

+50.00 300.00 ft.

105+00

115+00

N 45° 50' 27.0" W

US 321 BYBST

EPHEMERAL PERENNIAL

SPRING TO HOUSE

SPRING BOX

DETAIL B
TOE PROTECTION
(Not to Scale)

Natural Ground
Fill Slope
Filter Fabric Type-GT Under Rip Rap
d= 1.0 Ft
-L- 114+00 TO 115+60 (LT.)
-L- 116+50 TO 116+98 (RT.)

DETAIL E
SPECIAL CUT DITCH
(Not to Scale)

VARIES
6'
VARIES
12' MIN.
3:1 SLOPE
Natural Ground
Natural Ground
4:1
6:1
DITCH PROFILE
-L- 113+50 TO 116+00 (RT.)

DETAIL FSR
FALSE SUMP
(Not to Scale)

Outside Ditch Traffic Flow
10ft
2.0 Ft
GI MTG.
S=Ditch Slope
℄ Proposed Ditch
-L- 106+40 (RT.)
-L- 109+52 (RT.)
-L- 114+00 (RT.)

CURVE -LRT-
PI = 103+92.34
Δ = 18° 05' 12.2" (LT)
Dc = 2° 00' 00.0"
Ds = 1° 30' 00.0"
Ls = 150.00'
Ts = 531.01'
Lc = 754.34'
Rc = 2,864.79'
LT = 100.00'
ST = 50.00'
e = 0.04
DS = 50 mph

REFERENCES:
FOR -L- PROFILE SEE SHEET 40

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