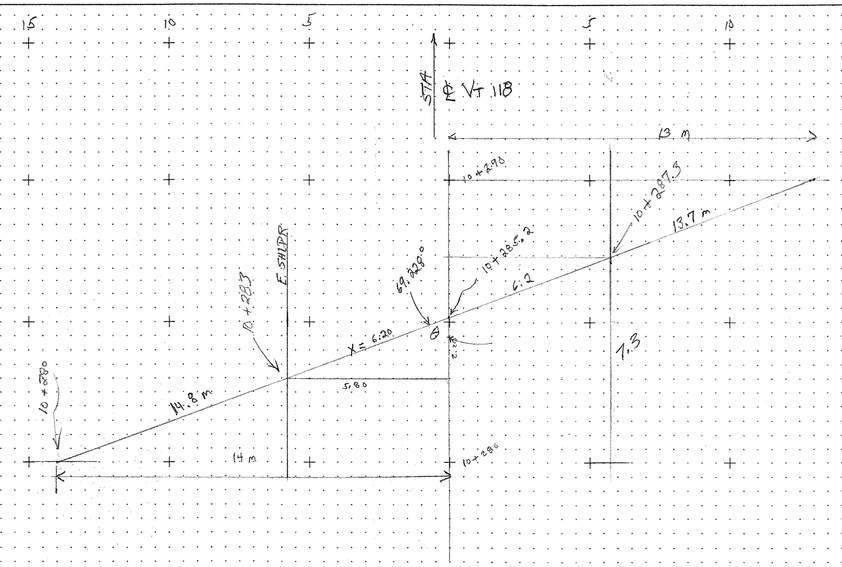
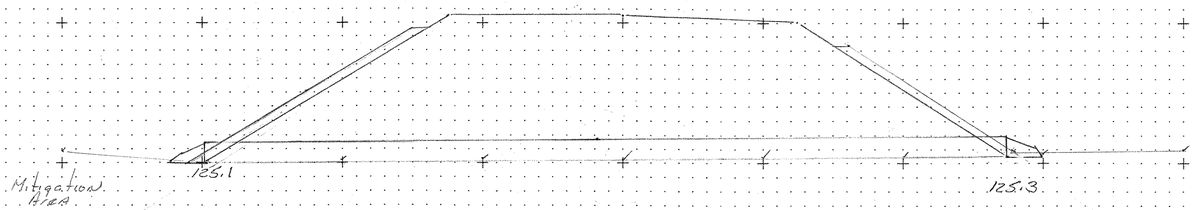


PLAN



Fill Slope at 10+290 13m Rt

125.2 m (from sections)

Compute Fill Slope 14 m Left at 10+280

℄ Grade = 130.259

Slope Elev = 130.257 + .628 (3.5) − .042 (2.3) − 8.2 (.666)

= 124.79

$\tan\theta = \frac{5.80}{2.20} = 2.6363636$

$\theta = 69.228°$

$\sin 69.228° = .9349991 = \frac{5.80}{X}$

$X = \frac{5.80}{.9349991} = 6.20'$

130.259 − 124.79 = 5.47

2.20 + 6.20 = 8.40

Compute 10+283 Lt Shldr

Sta	Elev ℄
10+280	130.259
10+283	130.270
10+290	130.296

.037 × .3 = .011

Lt Shldr = 130.270 + .032 (3.5) − .0380 (2.3)

+.112 − .0874

= 130.295

Compute 10+285.2 ℄

Sta	Elev ℄
10+280	130.259
10+285.2	130.278
10+290	130.296

.037 × 5.2 = .019

Compute 10+287.3 Rt Shldr

Sta	Elev ℄
10+280	130.259
10+287.3	130.286
10+290	130.296

.73 × .037 = .027

Rt Shldr = 130.286 − .038 (3.5) − 2.3 (.663)

−.133 − 1.525

130.608

10+285.2 (Skew Rt 69.228°)

New 750 x 28.65 CPEP

0m³ Trench Excavation

See Drainage Summary Sheet

PROJECT: BERKSHIRE	PROJECT NO.: BRF-RS 0283(7)
DESIGN FILE NAME: IPARM FILE NAME:	PLOT DATE: 01-MAY-1996
750 mm PIPE @ 10+295	
144	SHEET: 2 OF 3