TRENCH EARTH

DI 0-1.5m

4.5sm x 1.5m = 6.8 cm

DI over 1.5m

4.5sm x .45m (ave Depth) = 2.0 x 1.5 = 3.0 cm

CULVERT

0-1.5m

$\left[\left(1.5m \times 11.6\right) + \left(\frac{1.5+0.75}{2} \times 1.4\right) + \left(\frac{0.75+1.55}{2} \times 23\right)\right] \times 1.72m$ = 35.1 cm

Over 1.5m

$\left(\frac{0.0+0.5}{2} \times 1.1\right) + \left(\frac{0.3+1.0}{2} \times 8.4\right) + \left(\frac{1.0+0.0}{2} \times 1.8\right) \times 1.72 = 11.4cm \times 1.5 = 17.1cm$

STONE FILL - OUTLET

$\left(\frac{0.9+0.4}{2}\right) \times 3.5m \times 2.5m$ = 6.6 cm

68.6 cm

GRANULAR BACKFILL FOR STRUCTURES

DI

3.05m per Vertical meter x 1.7m = 5.1 cm

CULVERT

UNDERCUT

15.2m x 1.72m x 0.3m = 7.8 cm

PIPE

15.2m (ave) x 1.72m x 0.72m = 18.8 cm

31.7 cm

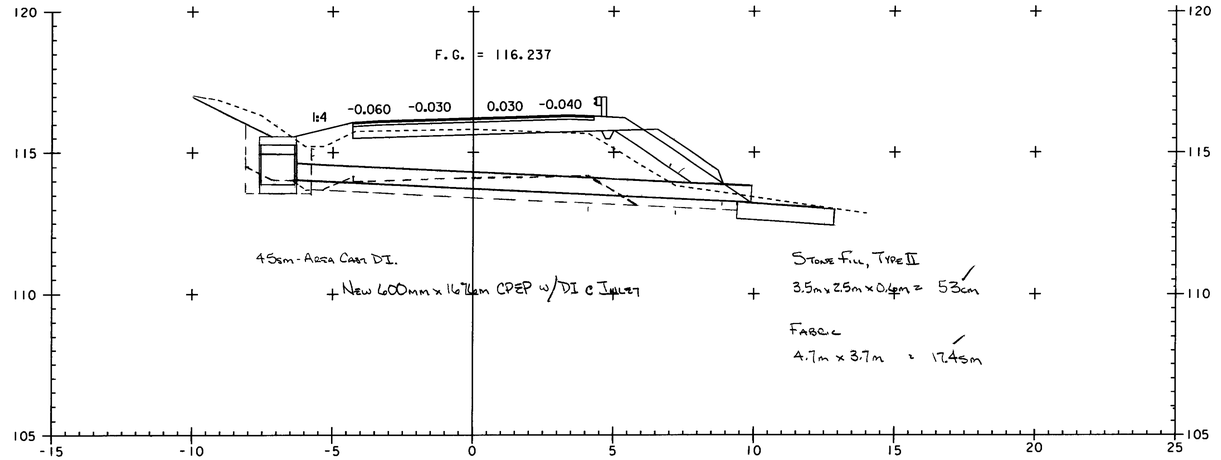
EARTH BORROW

13.3m (ave L) x 1.72m x 0.5m (Fields Means) = 11.4cm x 1.15 = 13.1 cm

WBF 12-14-06

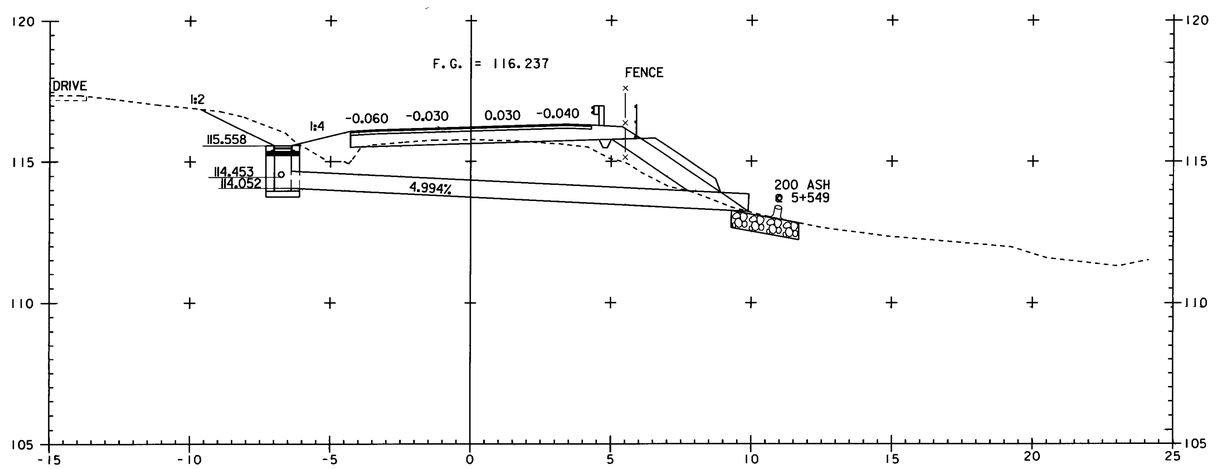
JWS 1-22-7

T. Bk 2A, Pg 66



7+540

FIELD PROFILE



7+540

DESIGN SECTION

DRAINAGE LETTER 7-7

482-Dr...