TRENCH EARTH

DI 0-1.5m

4.5sm x 1.5m = 6.8cm

DI over 1.5m

4.5m x 55m (ave D) = 2.5cm x 1.5 = 3.8cm

CULVERT

From INLET 0-1.5m

$\left[\left(1.5m \times 15m\right) - \left(\frac{1.5+0.6}{2} \times 1.8\right) - \left(\frac{0.6+0.0}{2} \times 1.8\right)\right] \times 1.72m$ = 42.9cm

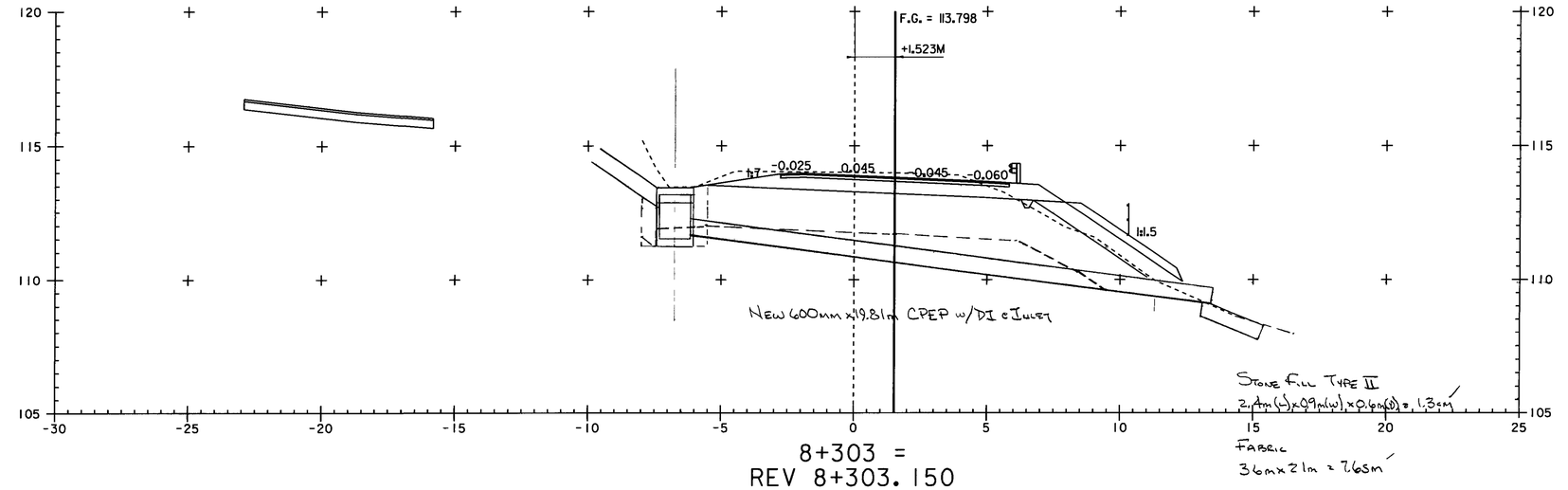
From INLET over 1.5m

$\left[\left(\frac{0.4+1.1}{2} \times 7\right) - \left(\frac{1.1+1.4}{2} \times 4.6\right) - \left(\frac{1.4+0.0}{2} \times 3.4\right)\right] \times 1.72m = 23cm \times 1.5$ = 34.5cm

Stone Fill Excl.

2.4m x 0.9m x 0.6m = 1.3cm

89.3cm



8+303 =
REV 8+303.150
FIELD PROFILE

GRANULAR BACKFILL FOR STRUCTURES

DI

3.0sm x 2m = 6cm

CULVERT

18.5m (AVE LENGTH) x 1.72m (W) x 0.72m (D) = 22.9cm

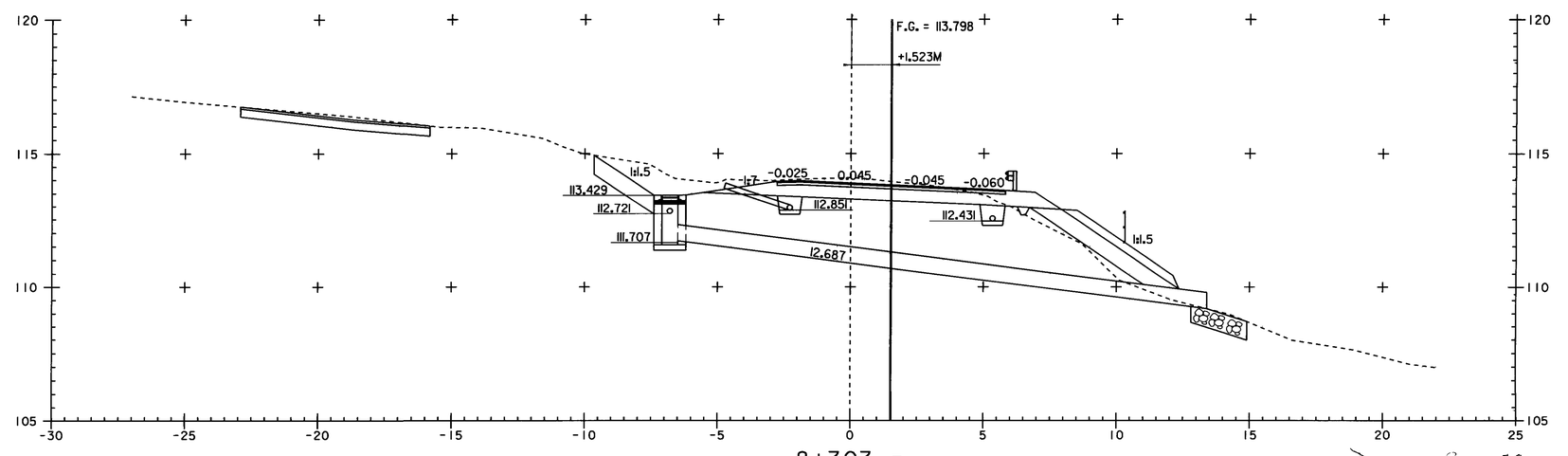
28.9cm

EARTH BORROW

$\left(\frac{16.6+12.2}{2}\right)$ x 1.7m x 1.8m (ave D) = 44.6cm x 1.15 = 51.3cm

WRF JWS
12-15-06 1-25-07

To Bk 2A, Pg 100



8+303 =
REV 8+303.150
DESIGN SECTION

DRAINAGE SHEET 7 OF 10
487-Drainage