

11+849, 9.3m LT ~ 11+849, 70m RT

11+849

204.20 TRENCH EVALUATION OF EARTH

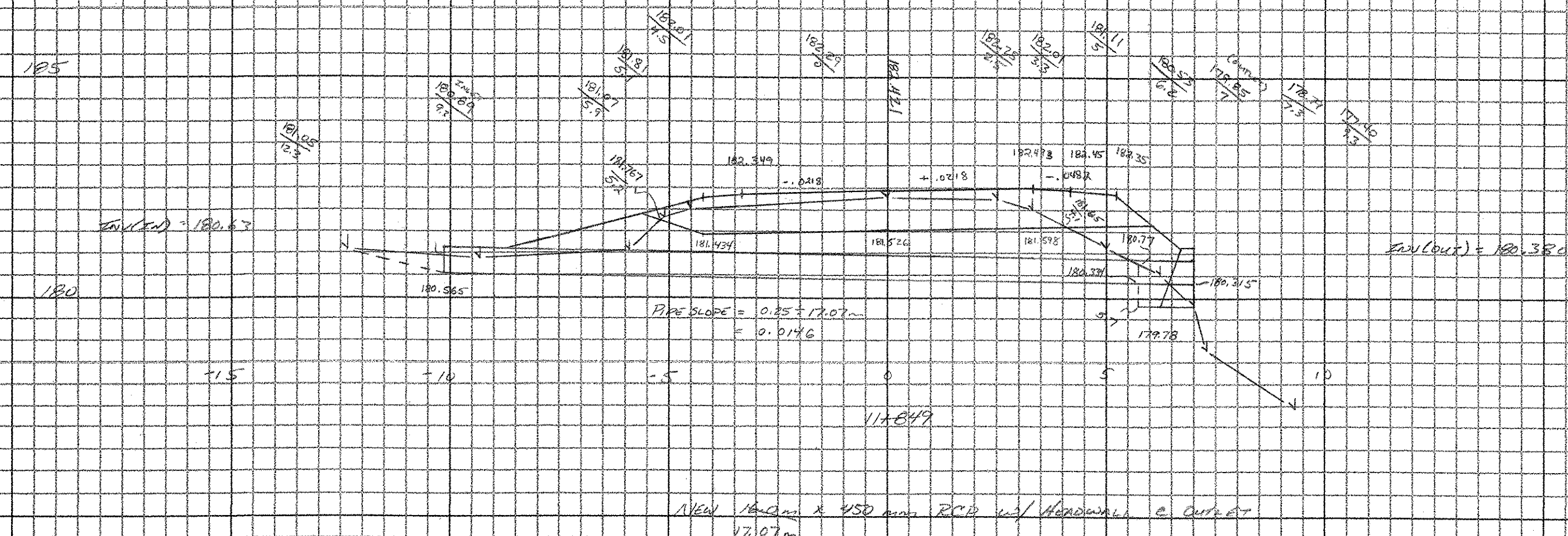
PIPE	HEADWALL		
-12.5	181.05	5.7	180.77
-10.1	180.825	5.7	179.78
5.7	180.834	2.0	179.78
5.7	180.77	2.0	179.83
5	181.11	6.2	180.58
4.1	181.615	5.7	180.77
0	181.526		
-4.2	181.434		
-5.2	181.267		
-5.9	181.07		
-9.2	180.89		
-12.5	181.05		

$A_1 = 14.496 \text{ m} \times 1.5 \text{ m}$
 $U_{b1} = 28.324 \text{ cm}$

$A_2 = 0.765 \text{ m} \times 2.8 \text{ m}$
 $U_{b2} = 2.130 \text{ cm}$

FOR 1st STAGE TRENCH (1st)
 EM. BY C. GREENWOOD
 $0.3 \text{ m} \times 1.5 \text{ m} \times 2.9 \text{ m} = 1.31 \text{ m}^3$
 TOTAL EMB. = 25.194 m³

601.0815 450 mm RCP CLASS III
17.87m



613.10 STONE FILL TYPE I:
EM. BY C. GREENWOOD
(1st) $0.3 \text{ m} \times 1.5 \text{ m} \times 2.9 \text{ m} = 1.31 \text{ m}^3$

613.11 STONE FILL TYPE II:
(RT) $0.6 \text{ m} \times 2.0 \text{ m} \times \left(\frac{5.0 + 9.0}{2}\right) = 37.8 \text{ m}^3$
 $0.3 \text{ m} \times 1.0 \text{ m} \times 2.0 \text{ m} = 2.7 \text{ m}^3$
 CURB CONCRETE $0.3 \text{ m} \times 1.5 \text{ m} \times 2.9 \text{ m} = 1.31 \text{ m}^3$
 TOTAL = 44.06 m³

50.25 CONCRETE CURB R
(AS STANDARD D-21)
1.3 cm

613.12 GED. UNREIN. STONE FILL:
(1st) $1.5 \text{ m} \times 2.9 \text{ m} = 4.35 \text{ m}^3$
 (RT) $5.0 \text{ m} \times 2.0 \text{ m} = 10 \text{ m}^3$
 TOTAL = 14.35 m³

60.15 REIN. STEEL
1.5mm @ 4" = 6/08 in x 1.555' 15/16"
= 9.5 kg

11+907, 6.4m LT ~ 11+927, 6.4m RT

204.20 TRENCH EVALUATION OF EARTH
EM. BY C. GREENWOOD
 $0.50 \text{ m} \times 1.47 \text{ m} \times 1.95 \text{ m} = 14.84 \text{ m}^3$

601.0810 375 mm RCP CLASS III
19.51m

CG
2/28/05



CROSS SECTION SHEET

PROJECT NAME: GRAFTON - ROCKINGHAM
 PROJECT NUMBER: STD 0126 4(S) C/2
 FILE NAME: DRAINAGE PLOT DATE: 07-JUN-2000 13:
 PROJECT LEADER: _____ DRAWN BY: C. GREENWOOD
 DESIGNED BY: _____ CHECKED BY: D. BREER
 const: g:/common/cadd/m-xsection.dgn SHEET 17 OF 23