

DRAINAGE SYSTEM #4
10+350, 36m RT ~ 10+400, 36m RT

204.20 PRECAST CONCRETE CATCH BASIN

CATCH BASIN	PIPE	(INCLUDES 0.15m UNDERCUT)
1	1.25	179.486
2	1.25	179.064
3	1.25	179.851
4	1.25	180.099
5	1.25	180.243
6	1.25	180.286
7	1.25	179.486

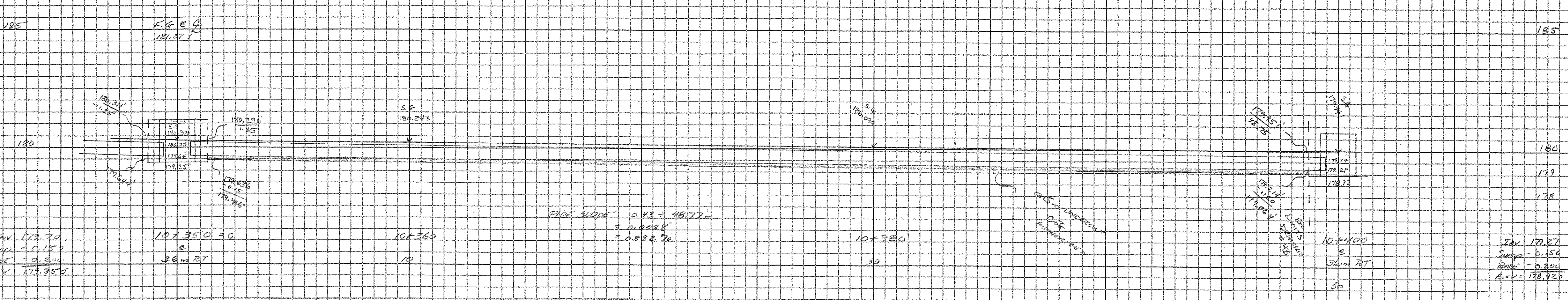
$A_1 = 2.684 \text{ m}^2$ $A_2 = 40.681 \text{ m}^2$
 $V_{A1} = 2.331 \text{ m} \times 2.5 \text{ m} = 5.828 \text{ m}^3$ $V_{A2} = 40.681 \text{ m} \times 1.54 \text{ m} = 62.65 \text{ m}^3$
TOTAL = 68.478 m³

204.30 GRANULAR BACKFILL FOR STRUCTURE
Form by C. GREENWOOD

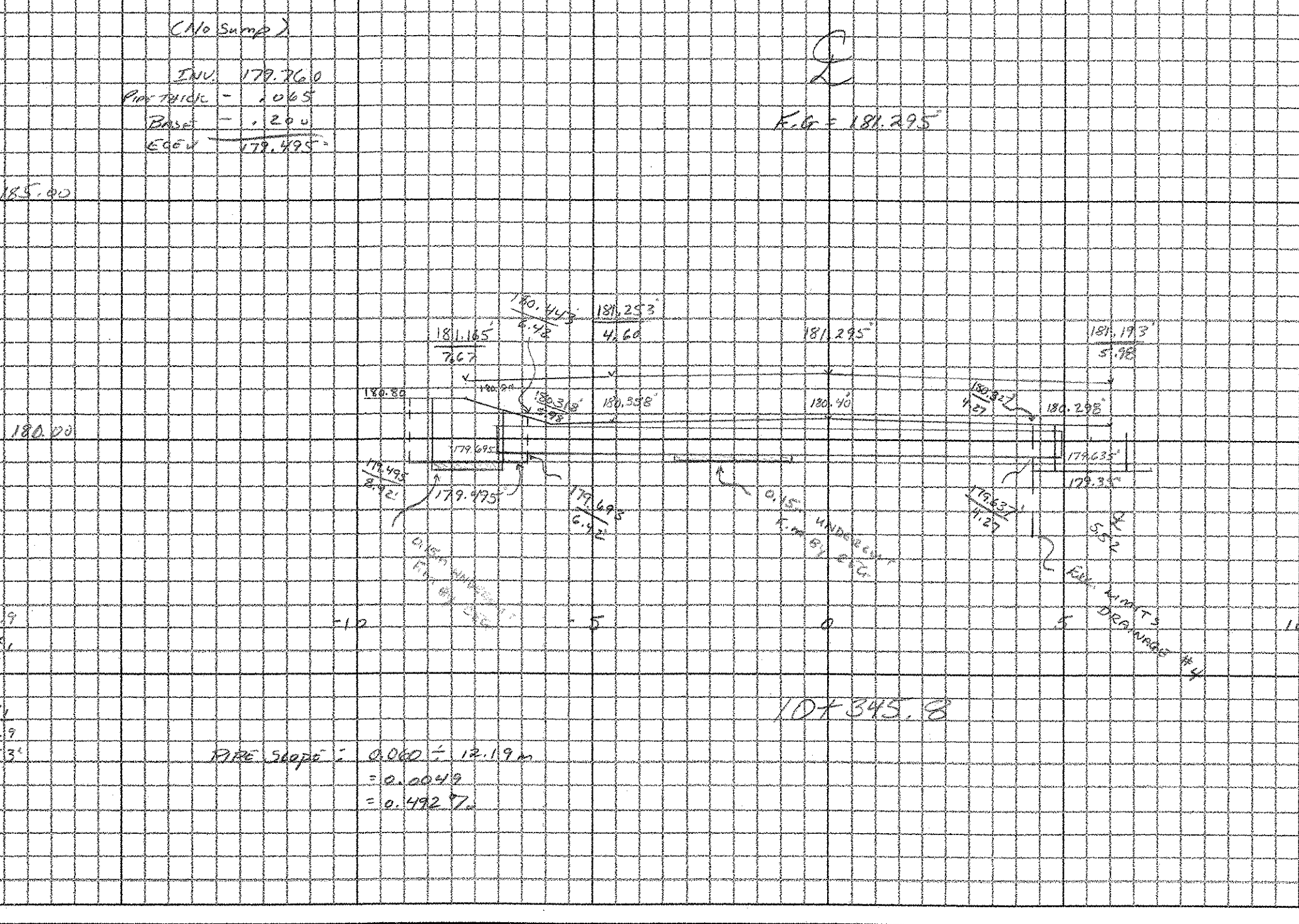
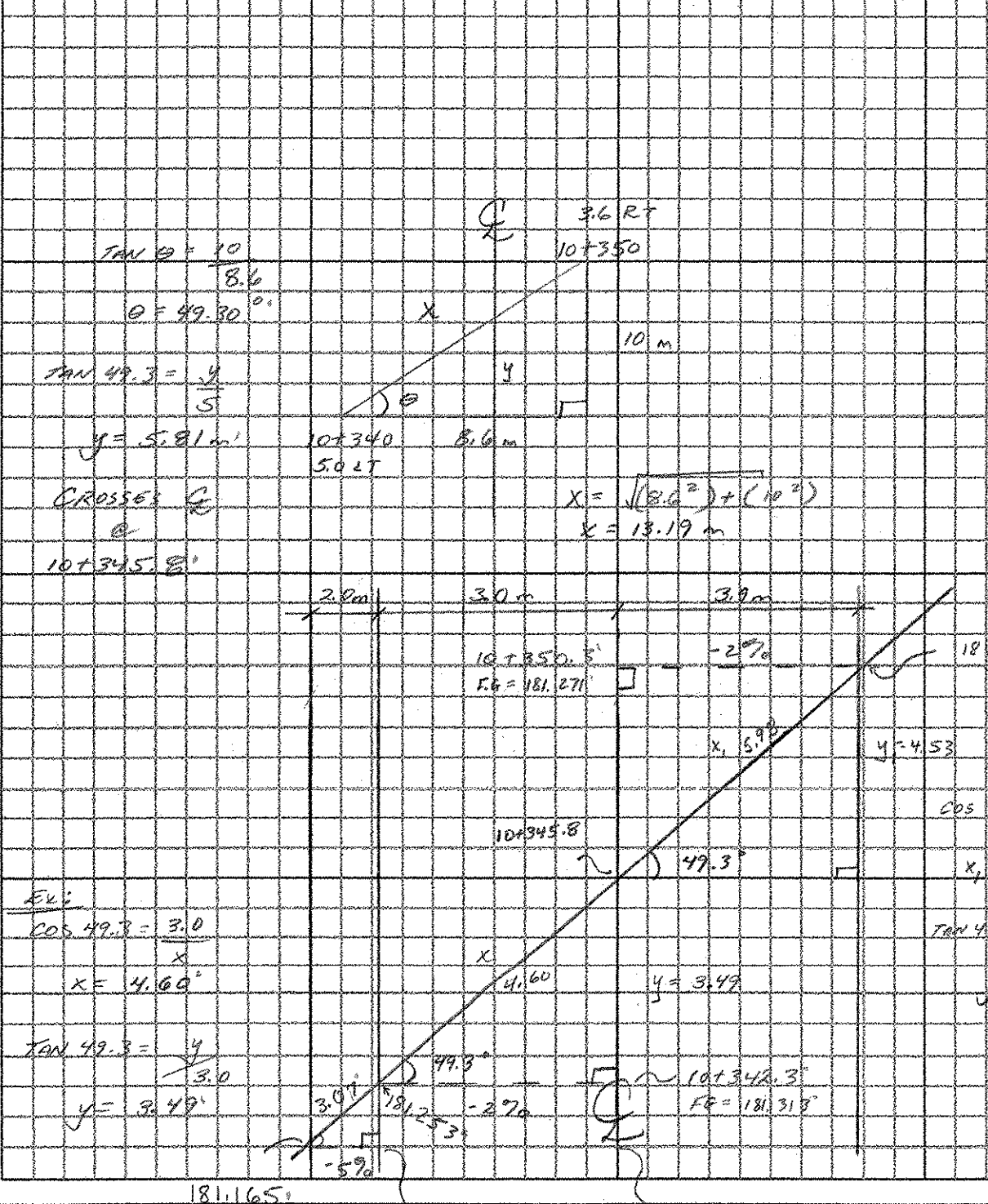
$\left[\frac{1}{2} \times (1.25 + 1.25) \times 48.77 \right] = 34.673 \text{ m}^3$

ITEM	QTY	UNIT	PRICE	TOTAL
401.0B15	450	mm RCP, CLASS III	179.760	80.943
48.77		m ³	0.150	7.316
			179.350	

204.20 PRECAST CONCRETE CATCH BASIN
1 EA



DRAINAGE SYSTEM #4A
10+340, 36m RT ~ 10+350, 36m RT



204.20 PRECAST CONCRETE CATCH BASIN

CATCH BASIN	PIPE
1	1.25
2	1.25
3	1.25
4	1.25
5	1.25
6	1.25
7	1.25

$A_1 = 3.039 \text{ m}^2$ $A_2 = 75.11 \text{ m}^2$
 $V_{A1} = 3.039 \text{ m} \times 2.5 \text{ m} = 7.598 \text{ m}^3$ $V_{A2} = 75.11 \text{ m} \times 1.54 \text{ m} = 115.67 \text{ m}^3$
TOTAL = 123.27 m³

204.30 GRANULAR BACKFILL FOR STRUCTURE
Form by C. GREENWOOD

$(0.375 \text{ m} \times 2.14 \text{ m} \times 1.45 \text{ m}) = 1.187 \text{ m}^3$
 $(0.285 \text{ m} \times 2.14 \text{ m} \times 1.45 \text{ m}) = 0.926 \text{ m}^3$
TOTAL = 2.113 m³

204.20 PRECAST CONCRETE CATCH BASIN
1 EA



CROSS SECTION SHEET

PROJECT NAME: GRAFTON - Rockingham
 PROJECT NUMBER: STP 0126 4(3) C/2
 FILE NAME: _____ PLOT DATE: 07-JUN-2000 13:
 PROJECT LEADER: _____ DRAWN BY: C. GREENWOOD
 DESIGNED BY: _____ CHECKED BY: _____
 const: g:/common/cadd/m-xsection.dgn SHEET 4 OF 23

125 DRAIN