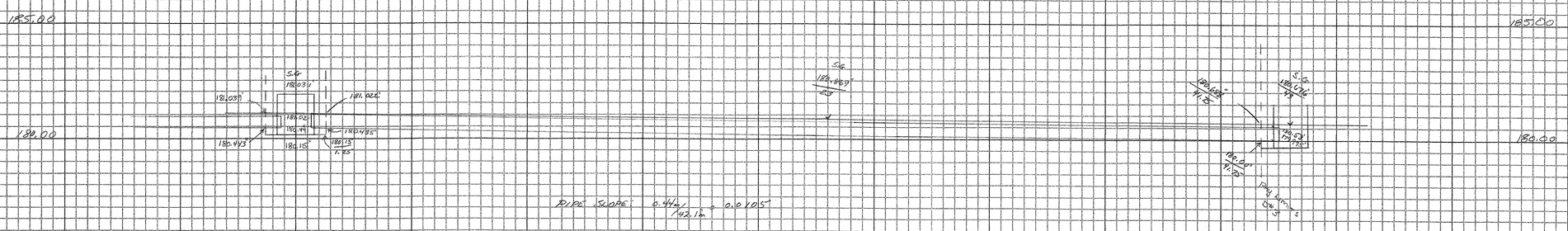
DRAINAGE SYSTEM #1A

101257, 36m RT ~ 101500, 3.6m RT



PIPE SLOPE $\frac{0.44m}{42.1m} = 0.01045$

Sub (Ex)	180.500
Dump	- 0.150
Base	+ 0.300
Elev.	180.150

101257 = 0
3.6m RT
℄ Elev 181.398

101280
3.6m RT

101300
3.6m RT

42.1m
NEW 450mm x 450mm RCP w/ PRECAST CONCRETE CATCH BASIN

204.20 TRENCH EXCAVATION OF EARTH

CATCH BASIN:		PIPE:	
0	180.150	1.25	180.435
1.25	180.150	4.25	180.00
1.25	181.022	4.25	180.688
0	181.031	23	180.869
-1.25	181.037	1.25	181.022
-1.25	180.450	1.25	180.435
0	180.150		

$A_1 = 2.202\ m^2$ $\qquad$ $A_2 = 26.353\ m^2$

$Vol_1 = 2.202\ m \times 2.5\ m = 5.505\ m^3$ $\qquad$ $Vol_2 = 26.353\ m \times 1.524\ m = 40.184\ m^3$

TOTAL = $46.089\ m^3$

604.20 PRECAST REINFORCED CONCRETE CATCH BASIN

1 EA.

601.0815 450 mm RCP CLASS III

42.1 m

CRC 11/20/05