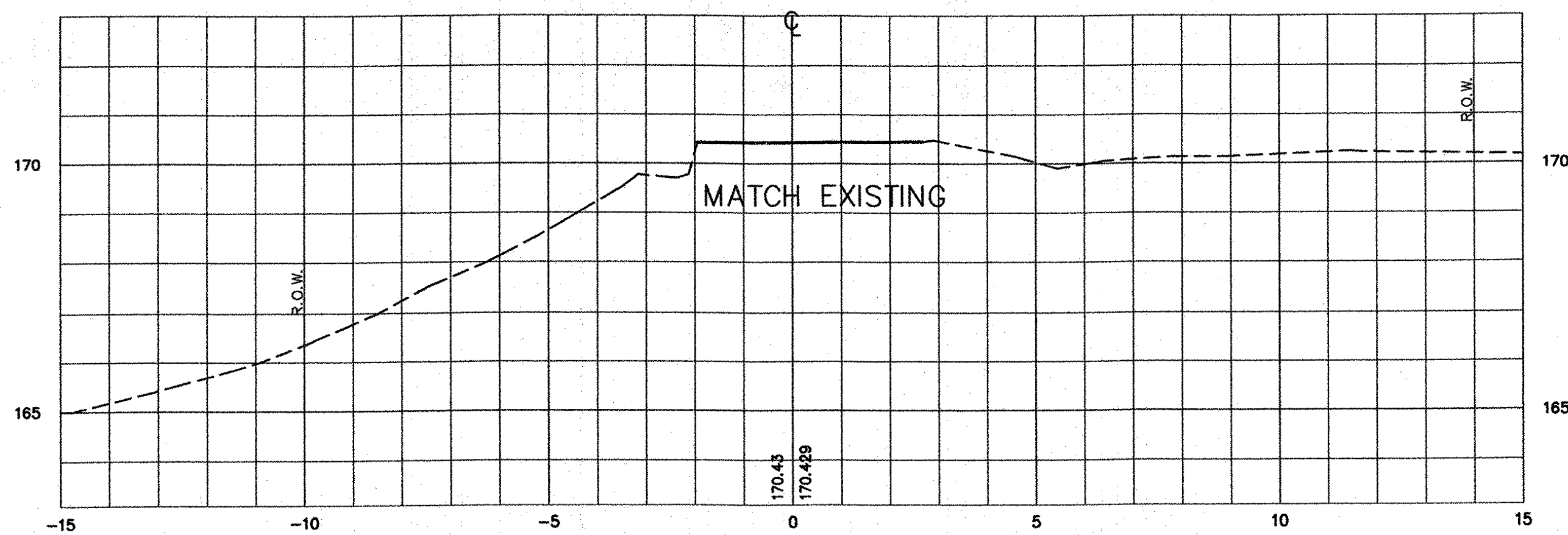


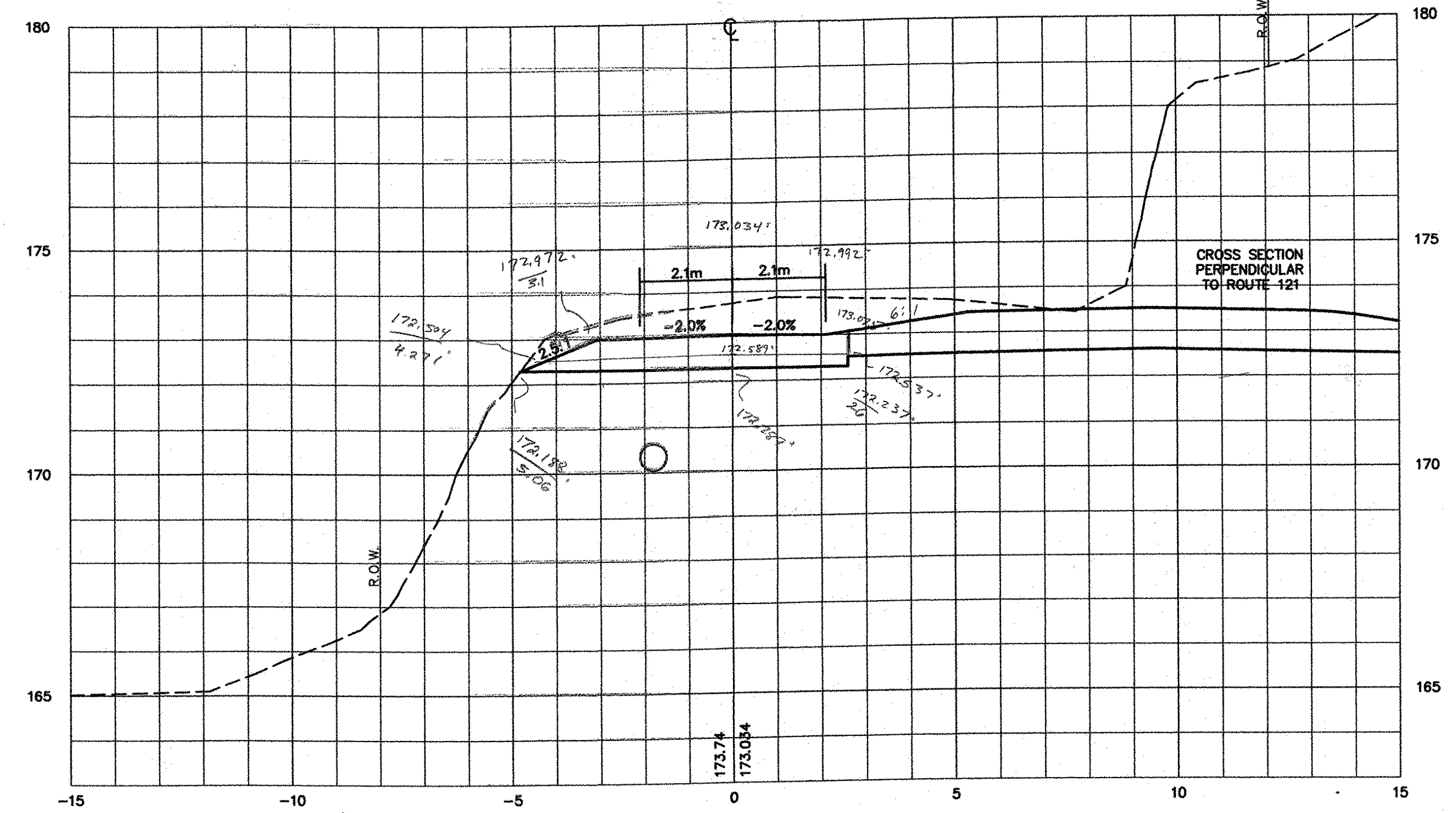
SAND		DENSE GRADED	
0	170.472	0	170.917
-3.788	170.396	-3.1	170.855
-4.25	170.087	-3.788	170.396
0	170.172	0	170.472
2.6	170.120	2.6	170.420
2.6	170.420	2.6	171.02
0	170.472	2.1	170.875
		0	170.917

$A_1 = 1.985 \text{ sm}^2$
 $A_2 = 2.729 \text{ sm}^2 - 0.609 \text{ sm}^2 = 2.120 \text{ sm}^2$

1+040
 PAVEMENT = $0.145 \text{ m} \times 4.2 \text{ m} = 0.609 \text{ sm}^2$
 FINE-GRADING = 6.39 m



1+030
 SAND AREA = $0.3 \text{ m} \times 4.2 \text{ m} = 1.26 \text{ sm}^2$
 DENSE GRADED AREA = $0.3 \text{ m} \times 4.2 \text{ m} = 1.26 \text{ sm}^2$
 FINE-GRADING = 4.2 m

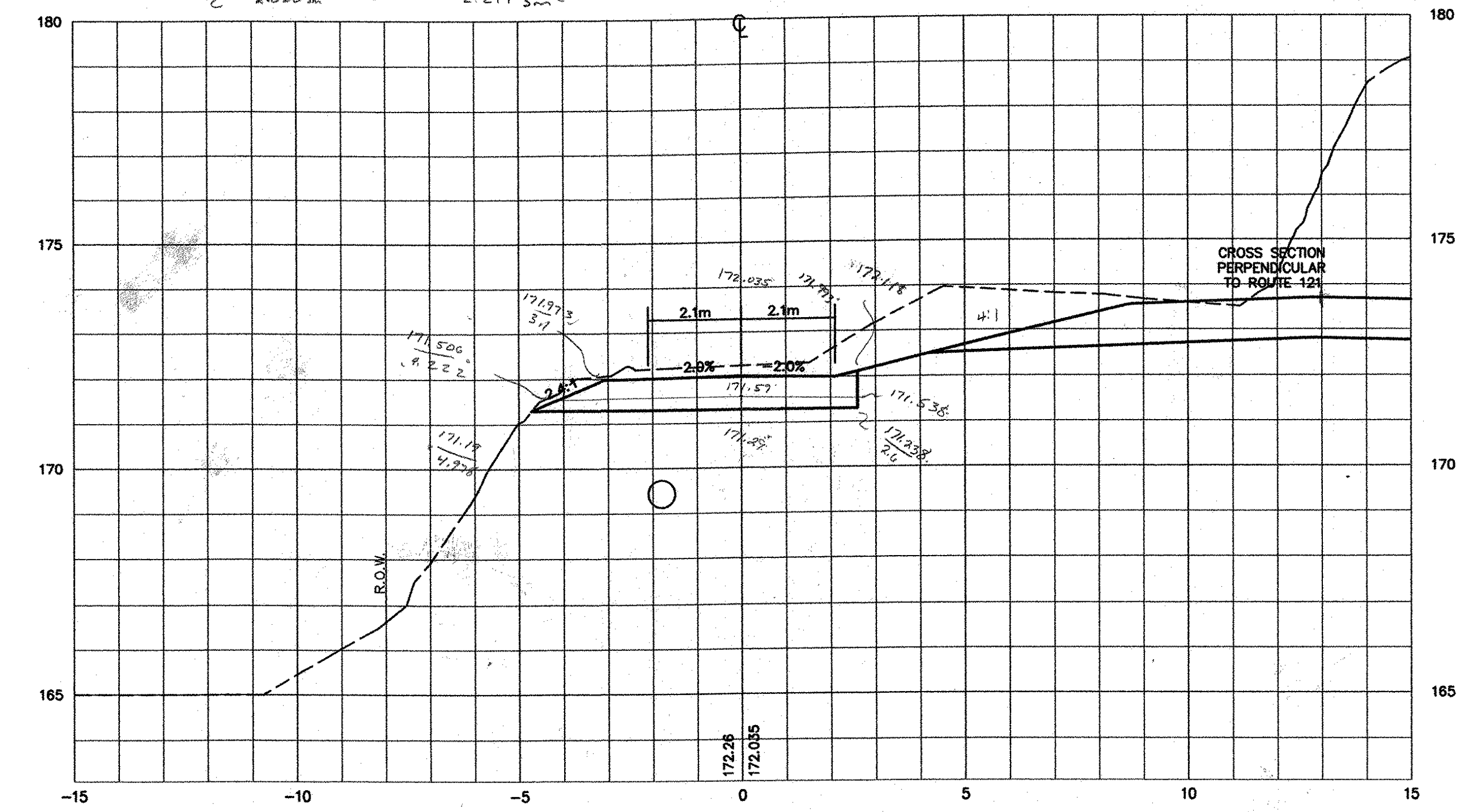


SAND		DENSE GRADED	
0	172.589	0	173.034
-4.271	172.504	-3.1	172.772
-5.06	172.188	-4.271	172.504
0	172.289	0	172.589
2.6	172.237	2.6	172.537
2.6	172.537	2.6	173.075
0	172.589	2.1	172.792
		0	173.034

$A_1 = 2.180 \text{ sm}^2$
 $A_2 = 2.820 \text{ sm}^2 - 0.609 \text{ sm}^2 = 2.211 \text{ sm}^2$

1+060
 PAVEMENT = 0.609 sm^2
 FINE-GRADING = 6.871 m

BUTT MANLINE
 @
 1+072 = 1+060



SAND		DENSE GRADED	
0	171.579	0	172.035
-4.288	171.506	-3.1	171.773
-4.978	171.190	-4.222	171.506
0	171.290	0	171.579
2.6	171.238	2.6	171.538
2.6	171.538	2.6	172.118
0	171.579	2.1	171.793
		0	172.035

$A_1 = 2.162 \text{ sm}^2$
 $A_2 = 2.819 \text{ sm}^2 - 0.609 \text{ sm}^2 = 2.21 \text{ sm}^2$

1+050
 PAVEMENT = 0.609 sm^2
 FINE-GRADING = 6.82 m

MCBRIDE ROAD WEST SECTION	
PROJECT: GRAFTON - ROCKINGHAM, ROUTE 121	PROJECT NO. : STP 0126(4)S
DESIGN FILE NAME: IPARM FILE NAME: SURVEYED BY: SQUAD LEADER:	PLOT DATE: 12/08/03 SURVEY DATE: DRAWN BY: SHEET: 104 OF 116

DATUM	
VERTICAL	NGVD 1929
HORIZONTAL	NAD 1927

V./1261/CADD/PLANS/XSECTIONS-MCBRIDE WEST.DWG

THE LOUIS BERGER GROUP, INC.

CEB
 11/1/03