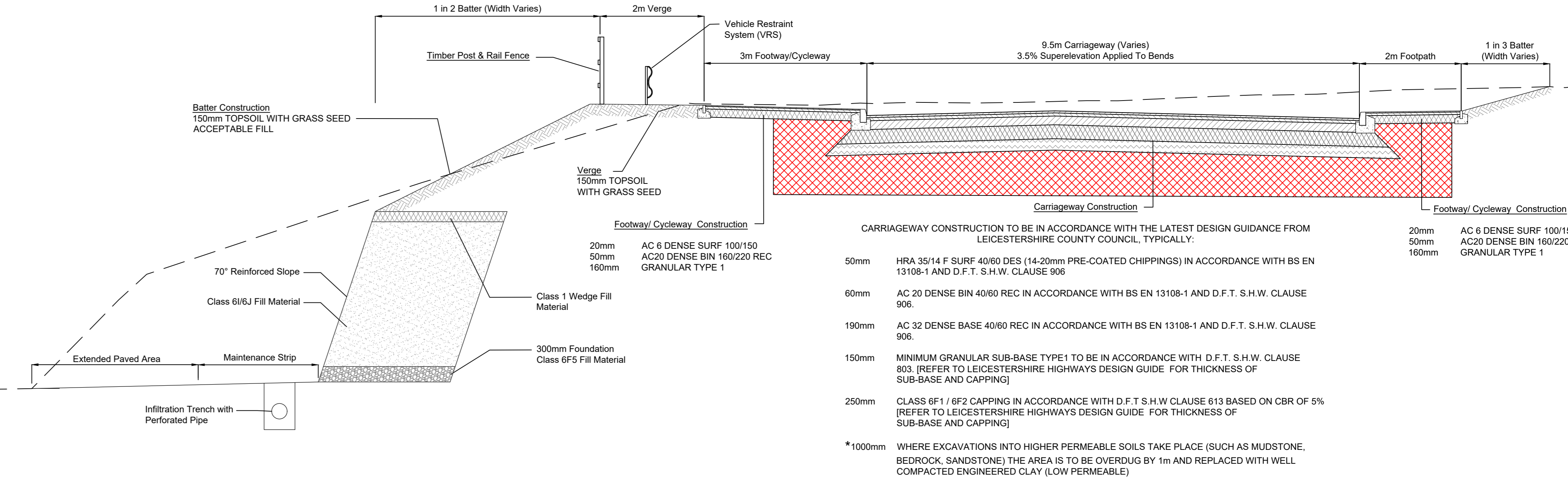
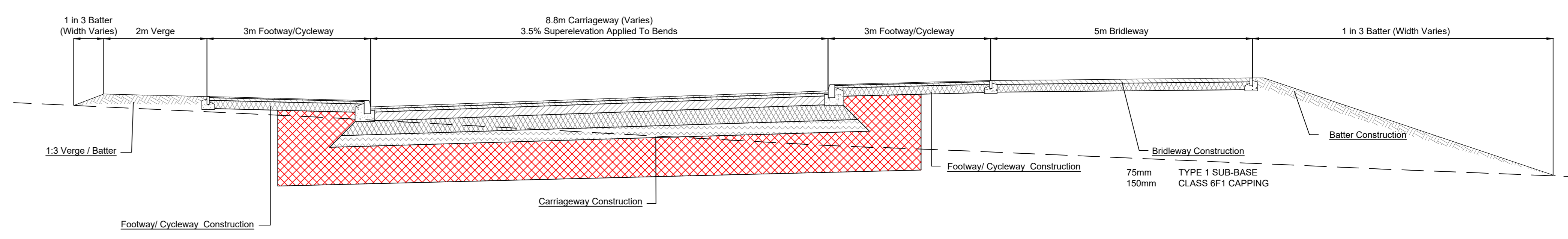


Typical Section BB
(Based on CH 350 ERR EASTWEST)



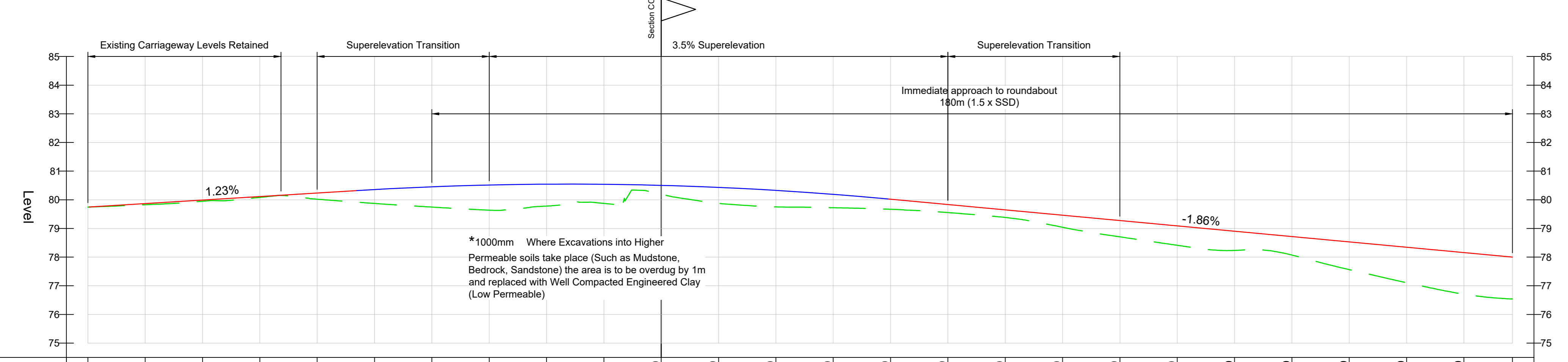
Typical Section AA
(Based on CH 150 ERR EAST-WEST)



Typical Section CC
(Based on CH 100 ERR NORTH-SOUTH)

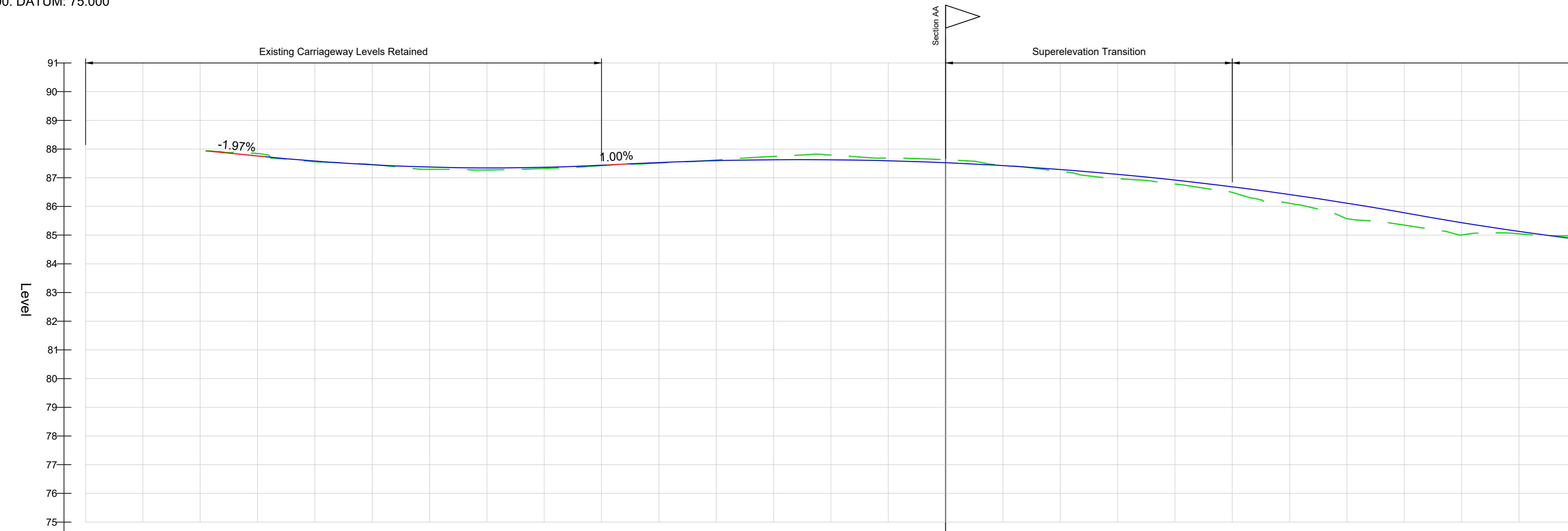
CD109 DESIGN CRITERIA

Design Speed	70 kph
Desirable Min. Crest Curve K Value	30
Desirable Min. Sag Curve K Value	20
Desirable Min. Horizontal R (Superelevation 3.5% or above)	360



Chainage (m)	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000	130.000	140.000	150.000	160.000	170.000	180.000	190.000	200.000	210.000	220.000	230.000	240.000	248.461	
Existing Ground Level (mAOD)	79.746	79.829	79.909	79.986	80.061	80.133	80.202	80.268	80.331	80.391	80.448	80.502	80.553	80.601	80.646	80.688	80.727	80.763	80.796	80.826	80.853	80.877	80.898	80.915	80.929	80.941	80.949
Proposed Road Levels (mAOD)	79.867	79.828	79.799	79.770	79.741	79.712	79.683	79.654	79.625	79.596	79.567	79.538	79.509	79.480	79.451	79.422	79.393	79.364	79.335	79.306	79.277	79.248	79.219	79.190	79.161	79.132	79.103
Horizontal Geometry	L=33.917			R=3000.000 K=30.000 L=92.743			L=143.166			R=360.000 K=30.000 L=108.847			L=43.498			R=75.000 L=17.397			R=35.000 L=10.068			L=0.397					
Vertical Geometry	G=1.223% L=46.623			R=3000.000 K=30.000 L=92.743			G=-1.862% L=108.847			L=43.498			R=75.000 L=17.397			R=35.000 L=10.068											
Level Difference (m)	0.000	0.039	0.041	0.029	0.010	0.215	0.403	0.485	0.707	0.878	0.764	0.640	0.668	0.702	0.398	0.471	0.558	0.576	0.467	0.184	0.280	0.263	0.421	0.538	0.598	0.677	0.670

ERR NORTH TO SOUTH - LONGSECTION
SCALE: H 1:500, V 1:100. DATUM: 75.000



Chainage (m)	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000	130.000	140.000	150.000	160.000	170.000	180.000	190.000	200.000	210.000	220.000	230.000	240.000	248.461	
Existing Ground Level (mAOD)				87.759	87.843	87.900	87.951	87.999	88.045	88.089	88.131	88.171	88.209	88.245	88.279	88.311	88.341	88.369	88.395	88.419	88.441	88.461	88.479	88.495	88.510	88.523	88.535
Proposed Road Levels (mAOD)				87.759	87.843	87.900	87.951	87.999	88.045	88.089	88.131	88.171	88.209	88.245	88.279	88.311	88.341	88.369	88.395	88.419	88.441	88.461	88.479	88.495	88.510	88.523	88.535
Horizontal Geometry	L=13.228			R=280.000 L=47.444			L=57.760			R=360.000 L=75.470			L=622			R=360.000 L=151.082			L=92.085			R=200.000 L=1.127			R=75.000 L=15.735		R=25.000 L=8.041
Vertical Geometry	G=-1.970% L=10.361			R=2000.000 K=20.000 L=58.396			G=1.000% L=7.769			R=3000.000 K=30.000 L=92.743			R=2500.000 K=25.000 L=80.031			R=3000.000 K=30.000 L=92.743			G=-4.730% L=16.775			R=2000.000 K=20.000 L=58.396			G=-2.000% L=8.041		
Level Difference (m)	0.000	-0.084	-0.079	0.018	0.022	-0.008	-0.077	-0.073	0.068	0.042	0.013	0.012	0.018	-0.024	-0.105	-0.117	-0.159	-0.167	-0.093	-0.101	-0.070	-0.014	-0.003	0.064	0.151	0.136	0.170

ERR EAST TO WEST - LONGSECTION
SCALE: H 1:500, V 1:100. DATUM: 75.000

Notes

- Do not scale this drawing. All dimensions must be checked/verified on site, if in doubt ask.
- This drawing is to be read in conjunction with all relevant architects, engineers and specialist drawings and specifications.
- All dimensions in millimetres unless noted otherwise. All levels in metres unless noted otherwise.
- Any discrepancies noted on site are to be reported to the engineer immediately.

Key

— Existing Ground Profile
— Proposed Ground Profile

Refer to drawing ERR-BWB-HGN-8B-DR-D-0200 for Illustrative Horizontal Design Strings

ISSUES & REVISIONS

Rev	Date	Details of issue / revision	Drawn	Rev.
MR	DR			
P1	20/11/20	Issued for Planning		

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www.bwbconsulting.com

Client: **THE TRUSTEES OF DRUMMUR ESTATE**

Project Title: **ENDERBY RELIEF ROAD**

Drawing Title: **ILLUSTRATIVE LONGSECTIONS AND TYPICAL SECTIONS**

Drawn: M. Ross, Reviewed: D. Hodgson
BWB Ref: NTH 2304, Date: NOV '20, Scale: As Shown

Drawing Status: **PLANNING**

Project - Originator - Zone - Level - Type - Name - Number
ERR-BWB-HGT-8B-DR-D-650

Status: **S8 P1**

Y:\NTH\2304_Eskey Relief Road\CD - Project Delivery\CD - WPC\Drawing\ERR-BWB-HGT-8B-DR-D-650_Illustrative Longsections and Typical Sections.dwg