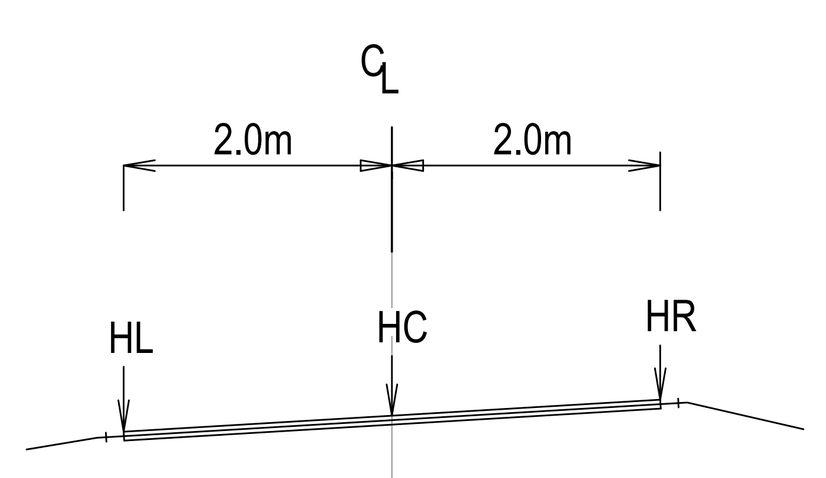
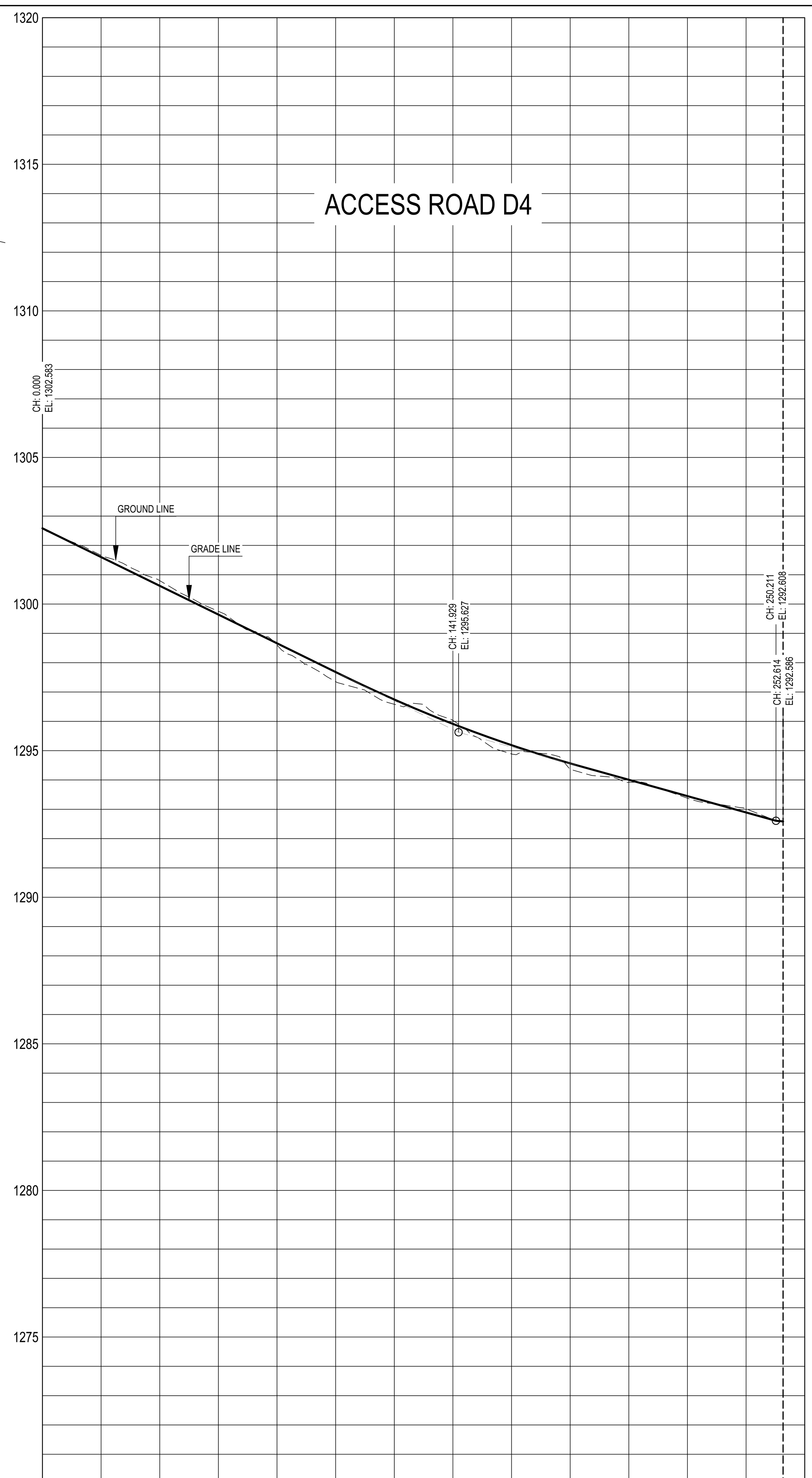
4m BLOCK PAVING ROAD



PROFILE OF GRADE LINE



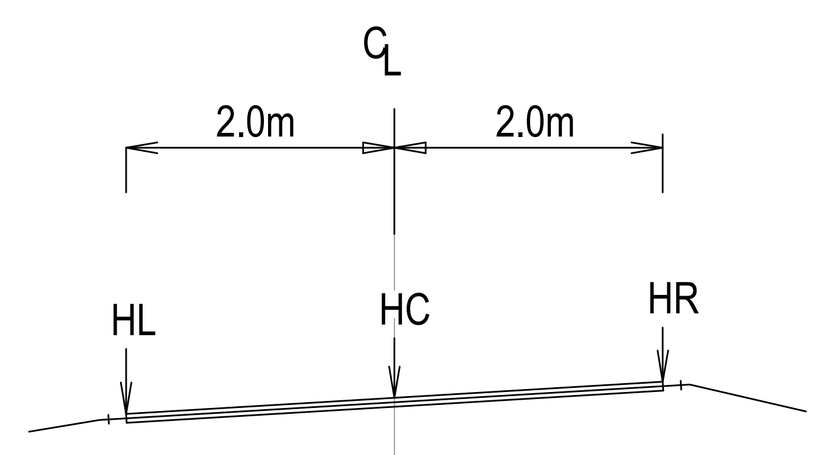
SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1270.000

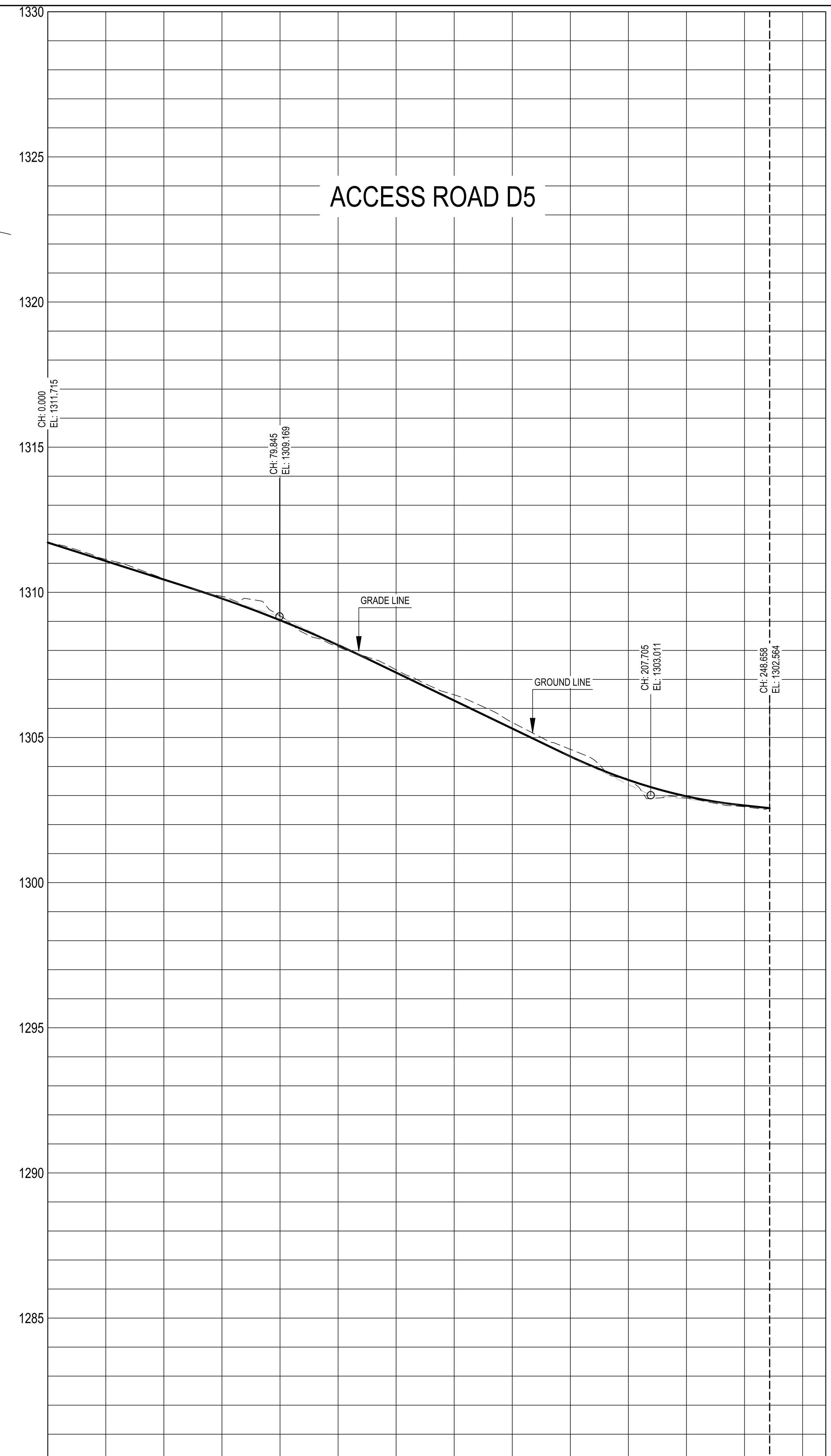
VERTICAL PROFILE GRADES	BVC 101.929; VCL=80.000m; K=38; EVC 181.929; -4.902%; 141.929 1295.627; -2.787%; -0.938%													
FINAL DESIGN ROAD LEVELS – HR LEFT														
FINAL DESIGN ROAD LEVELS – HC ON CENTRE LINE	1302.583	1301.603	1300.623	1299.642	1298.662	1297.682	1296.745	1295.913	1295.186	1294.566	1294.008	1293.451	1292.893	
FINAL DESIGN ROAD LEVELS – HR RIGHT														
GROUND LEVELS	1302.583	1301.661	1300.799	1299.753	1298.601	1297.355	1296.581	1296.032	1294.889	1294.362	1293.920	1293.378	1293.016	
DISTANCE (m)	0	20	40	60	80	100	120	140	160	180	200	220	240	260
GUARD RAIL LEFT														
KERB OR PAVING LEFT														
SIDE DRAIN LEFT														
SIDE DRAIN RIGHT														
KERB OR PAVING RIGHT														
GUARD RAIL RIGHT														
HORIZONTAL ALIGNMENT	CURVE No 1 R = 200.000m; CURVE No 2 R = 200.000m													
SUPERELEVATION LEFT ...... / RIGHT — —	LEFT 2.0% / 2.0% / 2.0%; RIGHT -2.0% / -2.0% / -2.0%													
DRAINAGE Distance (km) Size and Angle (FLOW DIRECTION, 90°, 225°, INCREASING DISTANCE, FLOW DIRECTION)														

LONGSECTION HA- ACCESS ROAD D4

4m BLOCK PAVING ROAD



PROFILE OF GRADE LINE



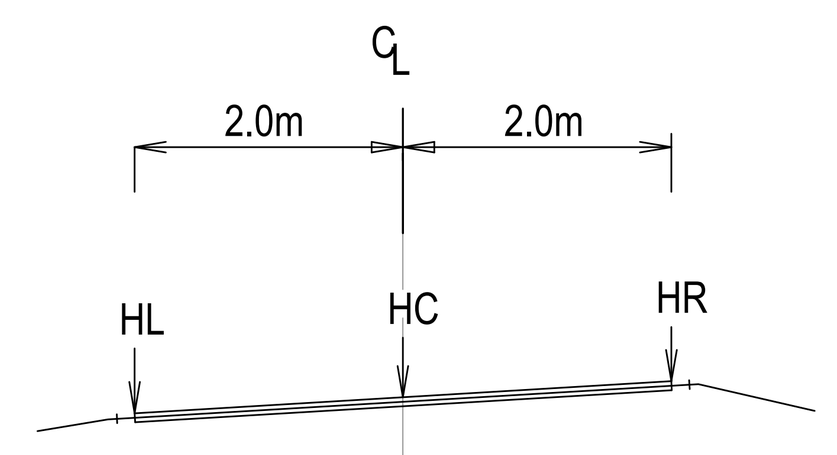
SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1280.000

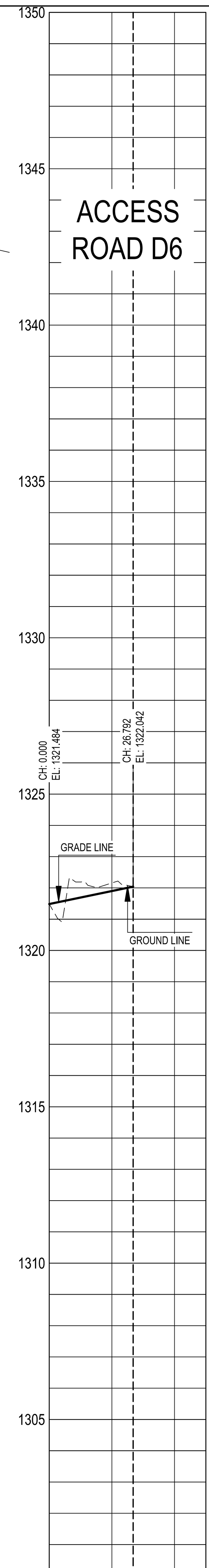
VERTICAL PROFILE GRADES	BVC 49.845; VCL=60.000m; K=37; EVC 109.845; BVC 177.705; VCL=60.000m; K=16; EVC 237.705; -3.188%; 79.845 1309.169; -4.817%; 207.705 1303.011; -1.092%														
FINAL DESIGN ROAD LEVELS – HR LEFT															
FINAL DESIGN ROAD LEVELS – HC ON CENTRE LINE	1311.715	1311.077	1310.440	1309.788	1309.041	1308.185	1307.235	1306.272	1305.309	1304.347	1303.536	1302.974	1302.658		
FINAL DESIGN ROAD LEVELS – HR RIGHT															
GROUND LEVELS	1311.715	1311.137	1310.468	1309.862	1309.194	1308.121	1307.330	1306.470	1305.519	1304.592	1303.554	1302.911	1302.612		
DISTANCE (m)	0	20	40	60	80	100	120	140	160	180	200	220	240	260	268
GUARD RAIL LEFT															
KERB OR PAVING LEFT															
SIDE DRAIN LEFT															
SIDE DRAIN RIGHT															
KERB OR PAVING RIGHT															
GUARD RAIL RIGHT															
HORIZONTAL ALIGNMENT	CURVE No 1 R = 10.000m														
SUPERELEVATION LEFT ...... / RIGHT — —	2.0% / 2.0% / 2.0%; -2.0% / -2.0% / -2.0%														
DRAINAGE Distance (km) Size and Angle (FLOW DIRECTION, 90°, 225°, INCREASING DISTANCE, FLOW DIRECTION)															

LONGSECTION HA- ACCESS ROAD D5

4m BLOCK PAVING ROAD



PROFILE OF GRADE LINE



SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1300.000

VERTICAL PROFILE GRADES	2.080%			
FINAL DESIGN ROAD LEVELS – HR LEFT				
FINAL DESIGN ROAD LEVELS – HC ON CENTRE LINE	1321.484	1321.900		
FINAL DESIGN ROAD LEVELS – HR RIGHT				
GROUND LEVELS	1321.484	1322.158		
DISTANCE (m)	0	20	40	50
GUARD RAIL LEFT				
KERB OR PAVING LEFT				
SIDE DRAIN LEFT				
SIDE DRAIN RIGHT				
KERB OR PAVING RIGHT				
GUARD RAIL RIGHT				
HORIZONTAL ALIGNMENT				
SUPERELEVATION LEFT ...... / RIGHT — —	2.0%; -2.0%			
DRAINAGE Distance (km) Size and Angle (FLOW DIRECTION, 90°, 225°, INCREASING DISTANCE, FLOW DIRECTION)				

LONGSECTION HA- ACCESS ROAD D6

FOR TENDER ONLY

No.	DATE	REVISION	CONSULT. ENG.
T01	29/10/2024	ISSUED FOR RETENDER	
T00	28/02/2022	ISSUE FOR TENDER	

CONSTRUCTION RECORD (AS-BUILT)
WORKS CONTRACT ENGINEER
Name :
Prof. Reg. No. :
Date :
SANRAL PROJECT MANAGER
Name :
Date :

DESIGNED BY
NAME
Prof. Reg. No.
CHECKED BY
NAME
Prof. Reg. No.
DRAWN BY
NAME

CONSULTANT APPROVAL
Name :
Prof. Reg. No. :
Date :

HEAD OFFICE
48 Tambotie Avenue
Val de Grace
Pretoria
0184

PO Box 415
Pretoria 0001
South Africa

Tel: (012) 844 8000

SANRAL
SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LTD
Reg.No.1998/009584/30
BUILDING SOUTH AFRICA THROUGH BETTER ROADS

NORTHERN REGION
38 Ida Street
Menlo Park
Pretoria
0081

Private Bag X17
Lynnwood Ridge
0040

Tel: (012) 426 6200

ACCEPTANCE
THIS ACCEPTANCE IS FOR PROCEDURAL AND ADMINISTRATIVE REVIEW PURPOSES ONLY AND DOES NOT ATTRACT LEGAL LIABILITY OR LIABILITY OF ANY KIND FROM WHATSOEVER CAUSE OR HOWEVER ARISING
for the SA NATIONAL ROADS AGENCY SOC LTD.
Date:

PROJECT DESCRIPTION
FOR TRAINING AND CONSTRUCTION MANAGEMENT SERVICES FOR A COMMUNITY DEVELOPMENT PROJECT TO UPGRADE ACCESS ROADS IN AND NEAR KWAMHLANGA TOWNSHIP – MPUMALANGA PROVINCE

DRAWING DESCRIPTION
ACCESS ROADS - LONGITUDINAL SECTION
ACCESS ROADS D4, D5 AND D6

SCALE : AS SHOWN — SHEET 1 OF 1

PROJECT NUMBER	C.002-053-2023/1		
DRAWING LOCATION DATA	START	END	
ROUTE	-	-	
SECTION	-	-	
DRAWING km DISTANCE	-	-	
DRAWING TYPE	ROADS - LONG SECTIONS		
BRIDGE/STRUCTURE No.			
CONSULTANT DRAWING No.	60487450-4-1-C-BB-202-T-01		VER
SANRAL DOCUMENT #			T01