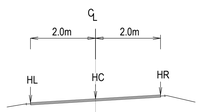
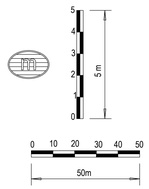
4m BLOCK PAVING ROAD

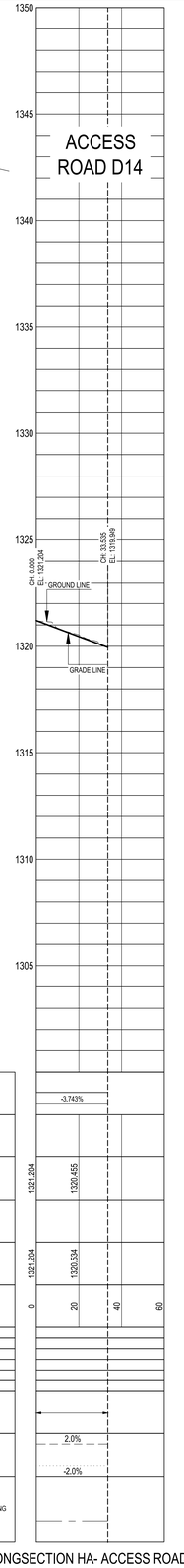


PROFILE OF GRADE LINE



SCALES:
Horizontal 1:1000
Vertical 1:100

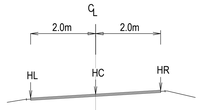
DATUM 1300.000



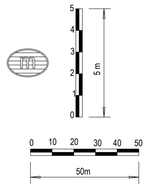
VERTICAL PROFILE GRADES				
FINAL DESIGN ROAD LEVELS	HR LEFT			
	HC ON CENTRE LINE	1321.204	1320.455	
	HR RIGHT			
GROUND LEVELS		1321.204	1320.534	
DISTANCE (m)		0	20	40	60
GUARD RAIL LEFT					
KERB OR PAVING LEFT					
SIDE DRAIN LEFT					
SIDE DRAIN RIGHT					
KERB OR PAVING RIGHT					
GUARD RAIL RIGHT					
HORIZONTAL ALIGNMENT					
SUPERELEVATION	LEFT ·····		2.0%		
	RIGHT ——		-2.0%		
DRAINAGE Distance (km) Size and Angle					

LONGSECTION HA- ACCESS ROAD D14

4m BLOCK PAVING ROAD

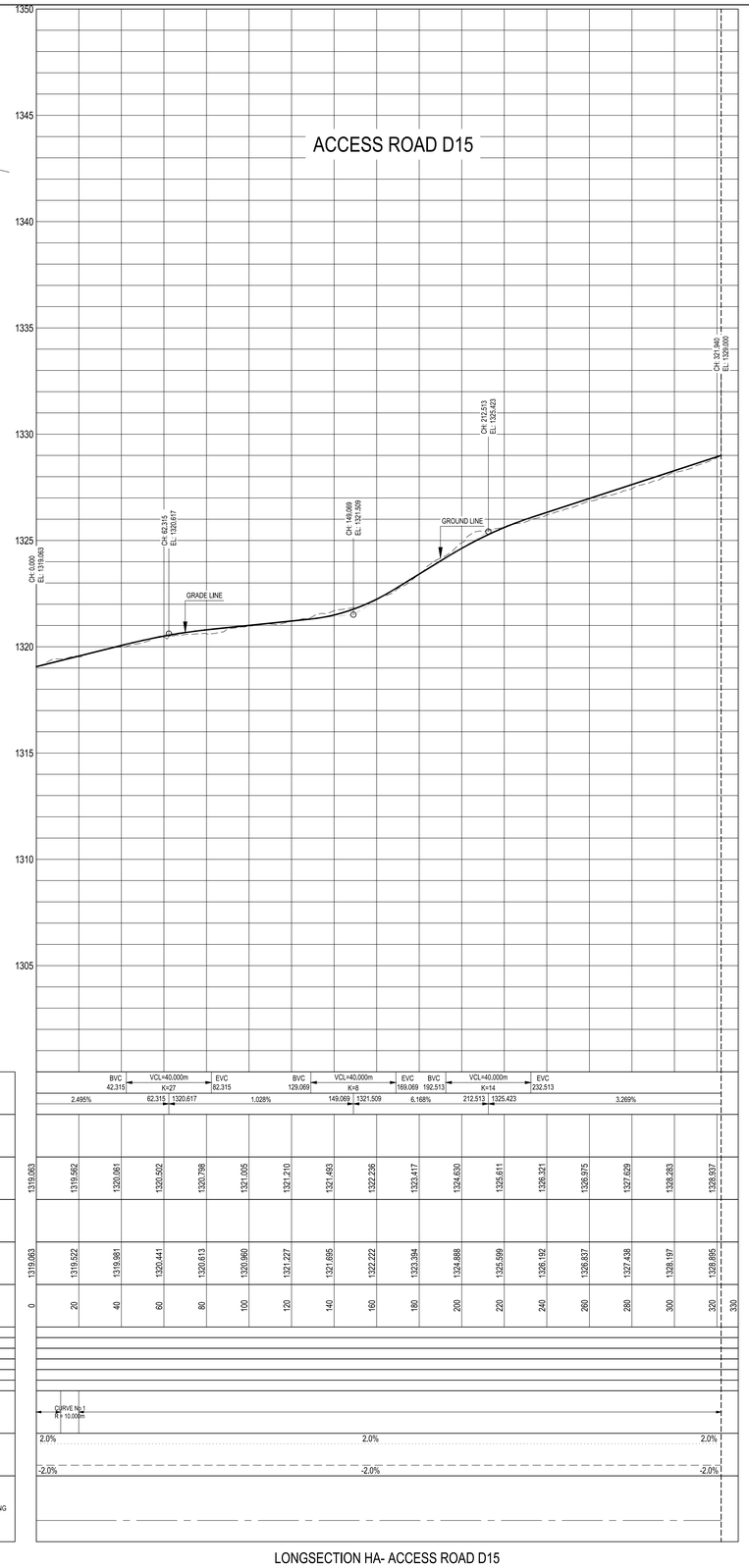


PROFILE OF GRADE LINE



SCALES:
Horizontal 1:1000
Vertical 1:100

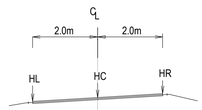
DATUM 1300.000



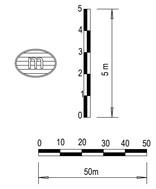
VERTICAL PROFILE GRADES		BVC 42.315	VCL=40.000m K=27		EVC 62.315	BVC 129.069	VCL=40.000m K=8		EVC 169.069	BVC 192.513	VCL=40.000m K=14		EVC 232.513								
		2.495%		62.315	1320.617	1.028%		149.069	1321.509	6.168%		212.513	1325.423	3.269%							
FINAL DESIGN ROAD LEVELS	HR LEFT																				
	HC ON CENTRE LINE	1319.663	1319.562	1320.061	1320.502	1320.788	1321.005	1321.210	1321.493	1322.226	1323.417	1324.630	1325.611	1326.321	1326.975	1327.629	1328.283	1328.937				
	HR RIGHT																				
GROUND LEVELS		1319.663	1319.522	1319.981	1320.441	1320.613	1320.960	1321.227	1321.695	1322.222	1323.394	1324.868	1325.599	1326.192	1326.837	1327.438	1328.197	1328.895			
DISTANCE (m)		0	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	330		
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 ·····	2.0%																			
	RIGHT ——	-2.0%																			
DRAINAGE Distance (km) Size and Angle																					

LONGSECTION HA- ACCESS ROAD D15

4m BLOCK PAVING ROAD

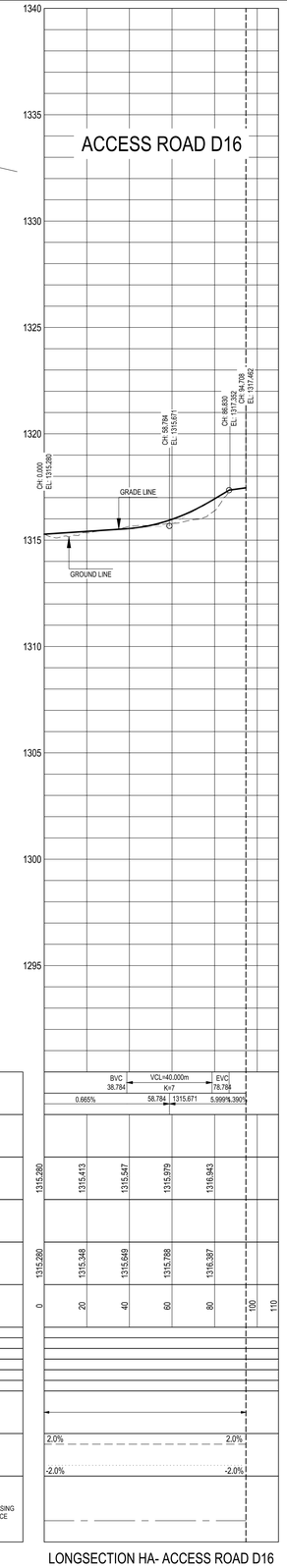


PROFILE OF GRADE LINE



SCALES:
Horizontal 1:1000
Vertical 1:100

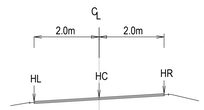
DATUM 1290.000



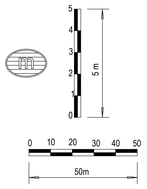
VERTICAL PROFILE GRADES		BVC 38.784	VCL=40.000m K=7		EVC 78.784		
		0.665%		58.784	1315.671	5.999%	3.390%
FINAL DESIGN ROAD LEVELS	HR LEFT						
	HC ON CENTRE LINE	1315.280	1315.413	1315.547	1315.979	1316.943	
	HR RIGHT						
GROUND LEVELS		1315.280	1315.348	1315.649	1315.788	1316.387	
DISTANCE (m)		0	20	40	60	80	100	110
GUARD RAIL LEFT								
KERB OR PAVING LEFT								
SIDE DRAIN LEFT								
SIDE DRAIN RIGHT								
KERB OR PAVING RIGHT								
GUARD RAIL RIGHT								
HORIZONTAL ALIGNMENT								
SUPERELEVATION	LEFT ·····		2.0%			2.0%	
	RIGHT ——		-2.0%			-2.0%	
DRAINAGE Distance (km) Size and Angle							

LONGSECTION HA- ACCESS ROAD D16

4m BLOCK PAVING ROAD

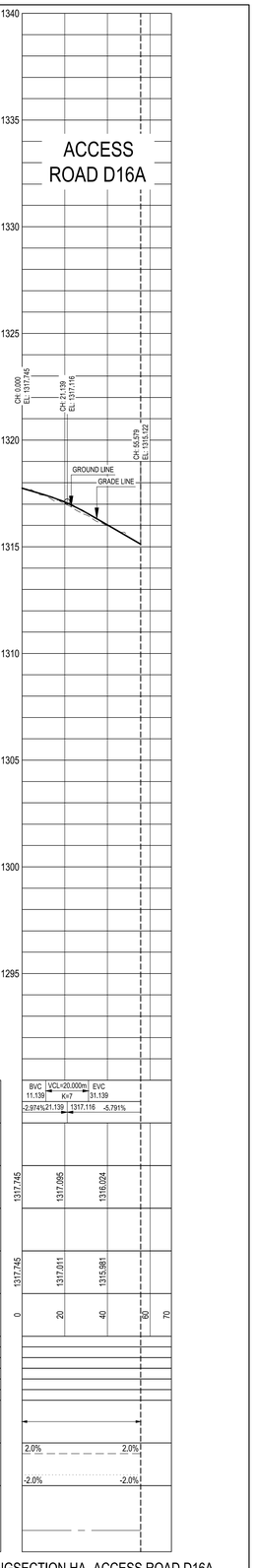


PROFILE OF GRADE LINE



SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1290.000



VERTICAL PROFILE GRADES		BVC 11.139	VCL=20.000m K=7		EVC 31.139			
		-2.974%	21.139	1317.116	-5.791%			
FINAL DESIGN ROAD LEVELS	HR LEFT							
	HC ON CENTRE LINE	1317.745	1317.095	1316.024				
	HR RIGHT							
GROUND LEVELS		1317.745	1317.011	1315.981				
DISTANCE (m)		0	20	40	60	70		
GUARD RAIL LEFT								
KERB OR PAVING LEFT								
SIDE DRAIN LEFT								
SIDE DRAIN RIGHT								
KERB OR PAVING RIGHT								
GUARD RAIL RIGHT								
HORIZONTAL ALIGNMENT								
SUPERELEVATION	LEFT ·····		2.0%			2.0%		
	RIGHT ——		-2.0%			-2.0%		
DRAINAGE Distance (km) Size and Angle								

FOR TENDER ONLY

LONGSECTION HA- ACCESS ROAD D16A

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. 1998/009664/30
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 D14, D15, D16 AND D16A

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-205-T-01	VER
SANRAL DOCUMENT #		T01