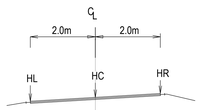
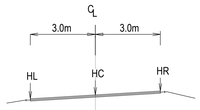
4m BLOCK PAVING ROAD

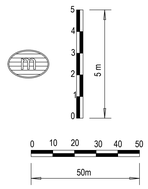


PROFILE OF GRADE LINE

6m BLOCK PAVING ROAD



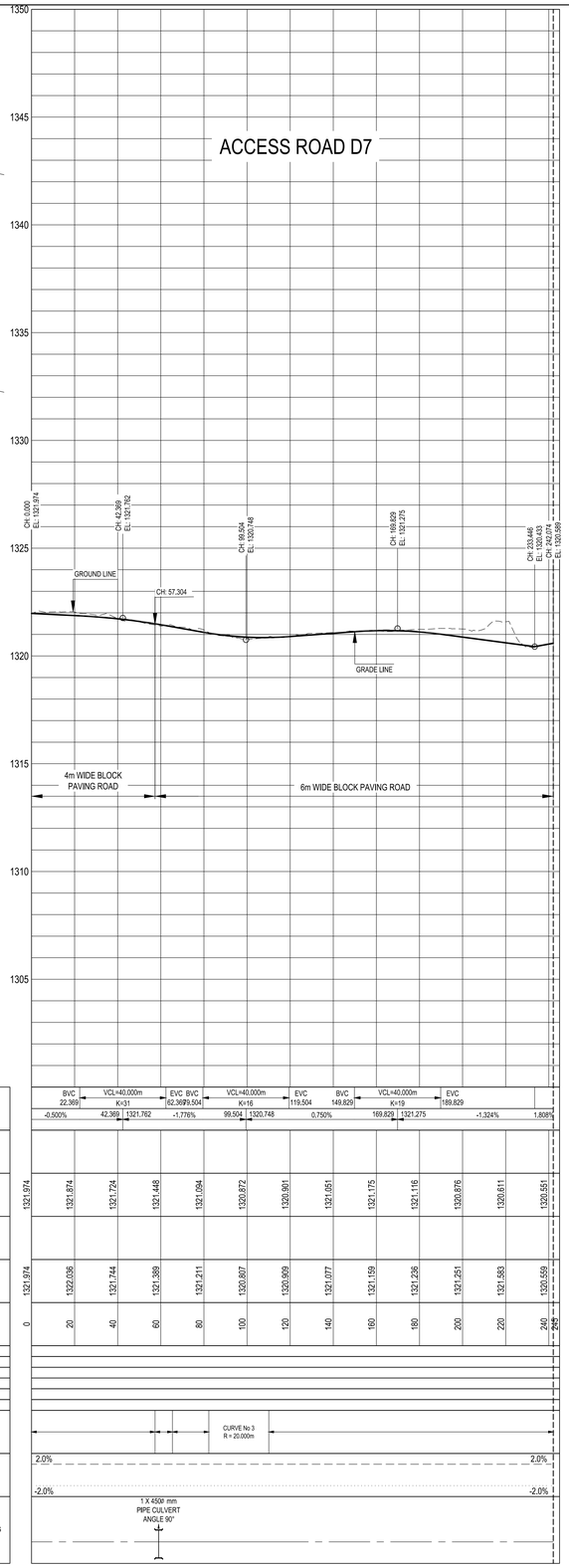
PROFILE OF GRADE LINE



SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1300.000

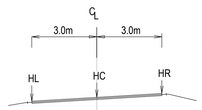
ACCESS ROAD D7



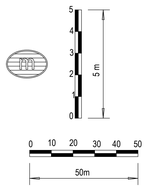
VERTICAL PROFILE GRADES	BVC 22.369	VCL=40.000m K=31	EVC BVC 62.369	9.504	VCL=40.000m K=16	EVC 119.504	BVC 149.829	VCL=40.000m K=19	EVC 189.829	
	-0.500%	42.369	1321.762	-1.776%	99.504	1320.748	0.750%	169.829	1321.275	-1.324%	1.808%
FINAL DESIGN ROAD LEVELS HR LEFT											
HC ON CENTRE LINE	1321.974	1321.874	1321.724	1321.448	1321.094	1320.872	1320.901	1321.051	1321.175	1321.116	1320.876	1320.611	1320.551
HR RIGHT											
GROUND LEVELS	1321.974	1322.038	1321.744	1321.398	1321.211	1320.867	1320.909	1321.077	1321.159	1321.236	1321.251	1321.583	1320.559
DISTANCE (m)	0	20	40	60	80	100	120	140	160	180	200	220	240	243
GUARD RAIL LEFT													
KERB OR PAVING LEFT													
SIDE DRAIN LEFT													
SIDE DRAIN RIGHT													
KERB OR PAVING RIGHT													
GUARD RAIL RIGHT													
HORIZONTAL ALIGNMENT				CURVE No 3 R = 20.000m									
SUPERELEVATION LEFT / RIGHT		2.0%											2.0%
		-2.0%											-2.0%
DRAINAGE Distance (km) Size and Angle													

LONGSECTION HA- ACCESS ROAD D7

6m BLOCK PAVING ROAD



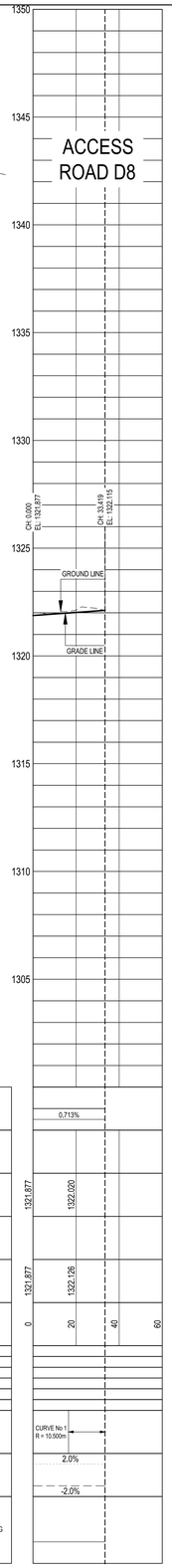
PROFILE OF GRADE LINE



SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1300.000

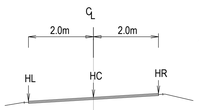
ACCESS ROAD D8



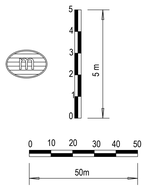
VERTICAL PROFILE GRADES	0.713%	
FINAL DESIGN ROAD LEVELS HR LEFT		
HC ON CENTRE LINE	1321.877	1322.020
HR RIGHT		
GROUND LEVELS	1321.877	1322.126
DISTANCE (m)	0	20	40	60
GUARD RAIL LEFT				
KERB OR PAVING LEFT				
SIDE DRAIN LEFT				
SIDE DRAIN RIGHT				
KERB OR PAVING RIGHT				
GUARD RAIL RIGHT				
HORIZONTAL ALIGNMENT	CURVE No 1 R = 10.500m			
SUPERELEVATION LEFT / RIGHT	2.0%			
	-2.0%			
DRAINAGE Distance (km) Size and Angle				

LONGSECTION HA- ACCESS ROAD

4m BLOCK PAVING ROAD



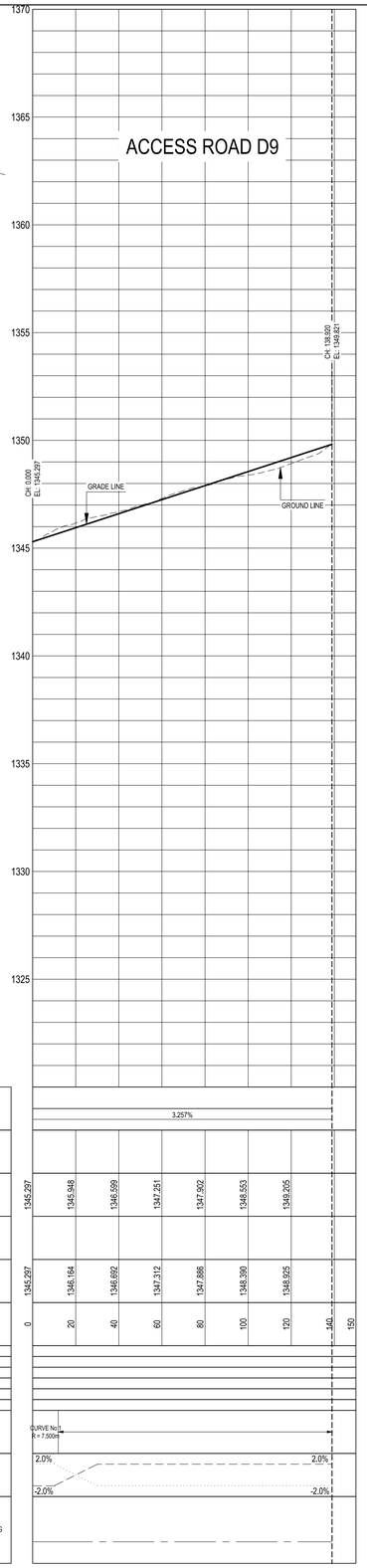
PROFILE OF GRADE LINE



SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1320.000

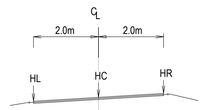
ACCESS ROAD D9



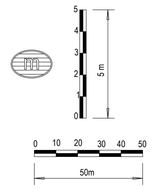
VERTICAL PROFILE GRADES	3.257%	
FINAL DESIGN ROAD LEVELS HR LEFT		
HC ON CENTRE LINE	1345.297	1345.948	1346.599	1347.251	1347.902	1348.553	1349.205
HR RIGHT							
GROUND LEVELS	1345.297	1346.164	1346.692	1347.312	1347.886	1348.390	1348.925
DISTANCE (m)	0	20	40	60	80	100	120	140	150
GUARD RAIL LEFT									
KERB OR PAVING LEFT									
SIDE DRAIN LEFT									
SIDE DRAIN RIGHT									
KERB OR PAVING RIGHT									
GUARD RAIL RIGHT									
HORIZONTAL ALIGNMENT	CURVE No 2 R = 7.500m								
SUPERELEVATION LEFT / RIGHT	2.0%								
	-2.0%								
DRAINAGE Distance (km) Size and Angle									

LONGSECTION HA- ACCESS ROAD D9

4m BLOCK PAVING ROAD



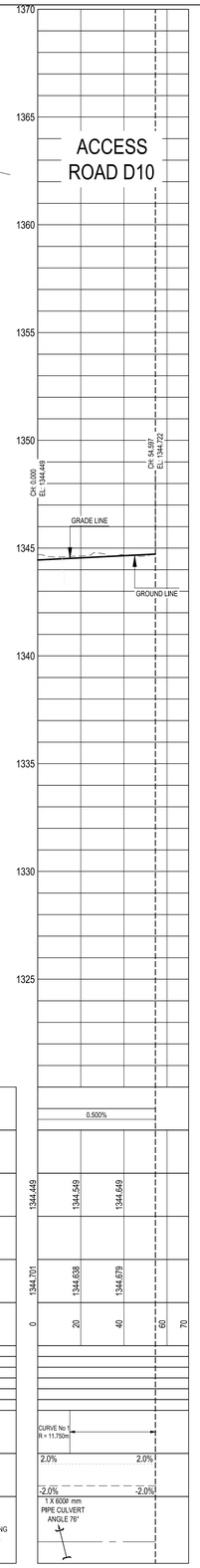
PROFILE OF GRADE LINE



SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1320.000

ACCESS ROAD D10



VERTICAL PROFILE GRADES	0.500%	
FINAL DESIGN ROAD LEVELS HR LEFT		
HC ON CENTRE LINE	1344.449	1344.549	1344.649
HR RIGHT			
GROUND LEVELS	1344.701	1344.638	1344.679
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	CURVE No 1 R = 11.750m			
SUPERELEVATION LEFT / RIGHT	2.0%			
	-2.0%			
DRAINAGE Distance (km) Size and Angle				

HA- ACCESS ROAD D10 **FOR TENDER ONLY** ACCESS ROAD D10

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. 1998/030664/30
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 D7, D8, D9 AND D10

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-203-T-01	VER
SANRAL DOCUMENT #		T01