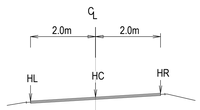
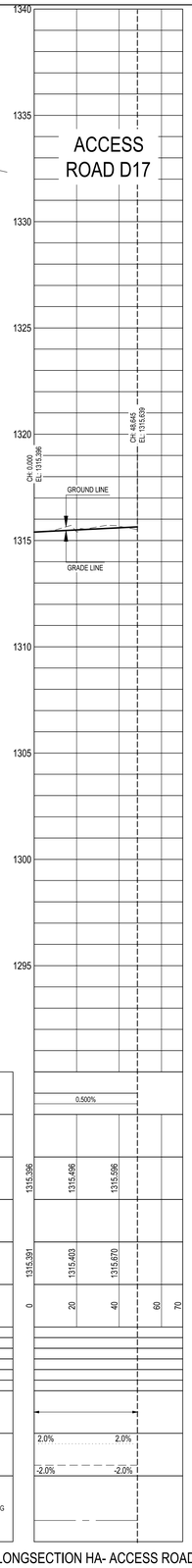
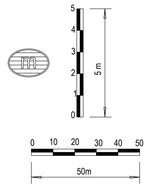
4m BLOCK PAVING ROAD



PROFILE OF GRADE LINE





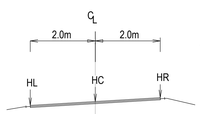
SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1290.000

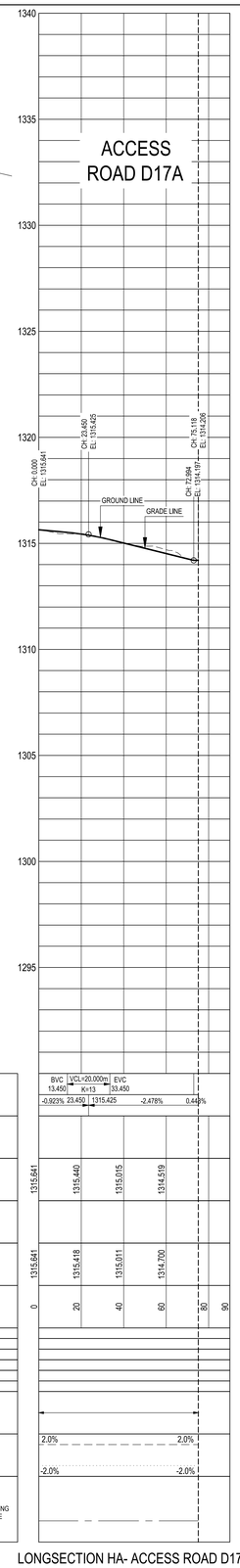
VERTICAL PROFILE GRADES				0.500%						
FINAL DESIGN ROAD LEVELS	HR LEFT									
	HC ON CENTRE LINE	1315.396	1315.496	1315.996						
	HR RIGHT									
GROUND LEVELS		1315.391	1315.403	1315.670						
DISTANCE (m)		0	20	40	60	70				
GUARD RAIL LEFT										
KERB OR PAVING LEFT										
SIDE DRAIN LEFT										
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										

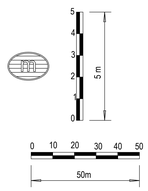
LONGSECTION HA- ACCESS ROAD D17

4m BLOCK PAVING ROAD



PROFILE OF GRADE LINE





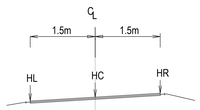
SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1290.000

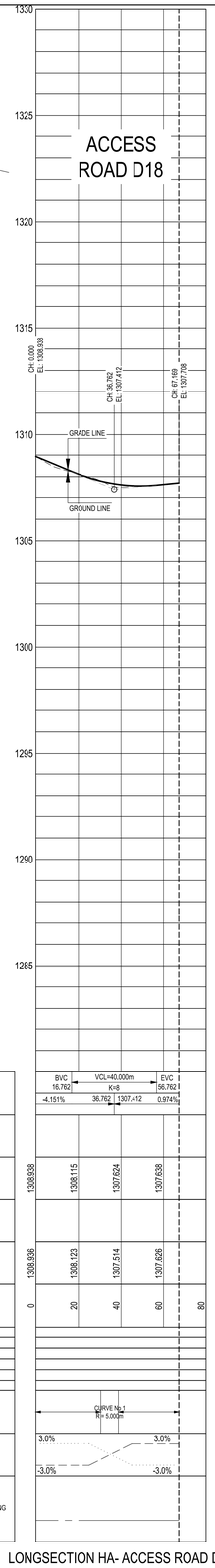
VERTICAL PROFILE GRADES				BVC 13.450 -0.923%	VCL=20.000m K=13 23.450	EVC 33.450 1315.425		-2.478%	0.448%	
FINAL DESIGN ROAD LEVELS	HR LEFT									
	HC ON CENTRE LINE	1315.641	1315.440	1315.075	1314.519					
	HR RIGHT									
GROUND LEVELS		1315.641	1315.418	1315.011	1314.700					
DISTANCE (m)		0	20	40	60	80	90			
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										

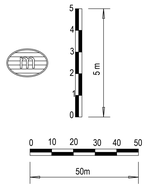
LONGSECTION HA- ACCESS ROAD D17A

3m GRAVEL ROAD



PROFILE OF GRADE LINE





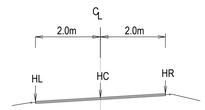
SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1280.000

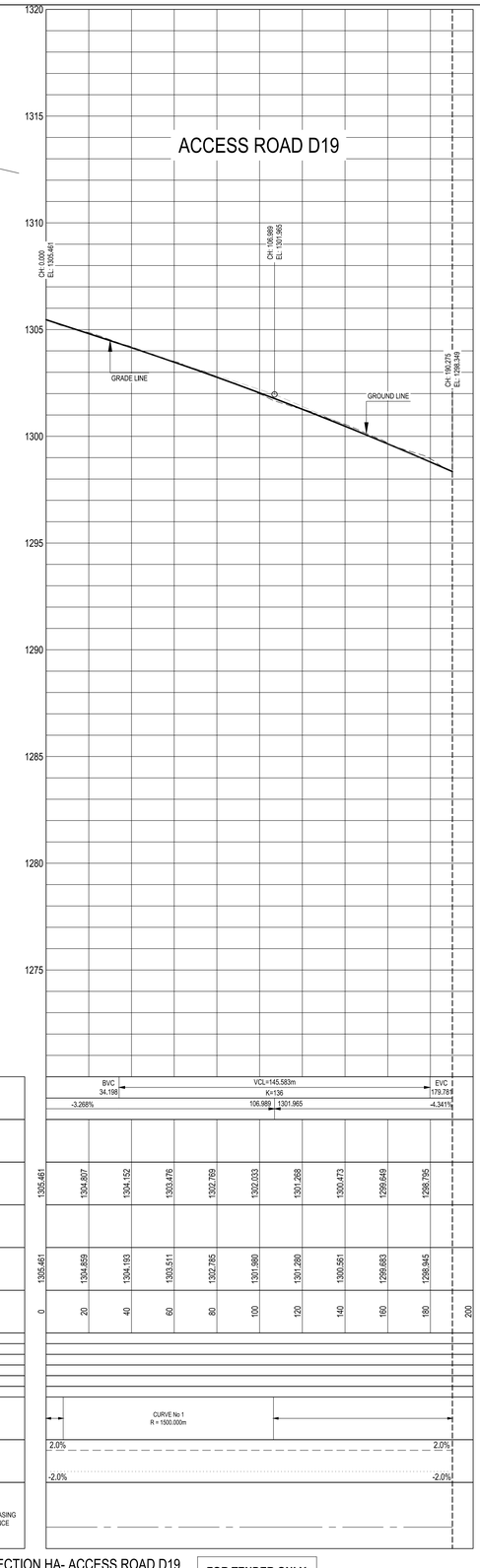
VERTICAL PROFILE GRADES				BVC 16.762 -4.151%	VCL=40.000m K=8 36.762	EVC 56.762 1307.412		0.974%		
FINAL DESIGN ROAD LEVELS	HR LEFT									
	HC ON CENTRE LINE	1308.938	1308.115	1307.624	1307.638					
	HR RIGHT									
GROUND LEVELS		1308.938	1308.123	1307.514	1307.926					
DISTANCE (m)		0	20	40	60	80				
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 = 5.000m					
SUPERELEVATION	LEFT		3.0%			3.0%				
	RIGHT		-3.0%			-3.0%				
DRAINAGE Distance (km) Size and Angle										

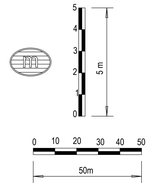
LONGSECTION HA- ACCESS ROAD D18

4m BLOCK PAVING ROAD



PROFILE OF GRADE LINE





SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1270.000

VERTICAL PROFILE GRADES				BVC 34.198 -3.268%	VCL=145.583m K=136 106.989			1301.965	EVC 179.781	-4.341%
FINAL DESIGN ROAD LEVELS	HR LEFT									
	HC ON CENTRE LINE	1305.461	1304.807	1304.152	1303.476	1302.769	1302.033	1301.268	1300.473	1299.649	1298.795
	HR RIGHT									
GROUND LEVELS		1305.461	1304.859	1304.193	1303.511	1302.785	1301.980	1301.280	1300.561	1299.883	1298.945
DISTANCE (m)		0	20	40	60	80	100	120	140	160	180	200
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 = 1500.000m						
SUPERELEVATION	LEFT		2.0%								2.0%	
	RIGHT		-2.0%								-2.0%	
DRAINAGE Distance (km) Size and Angle												

LONGSECTION HA- ACCESS ROAD D19

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. 1998/000644/30
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 D17, D17A, D18 AND D19

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-206-T-01	VER
SANRAL DOCUMENT #		T01