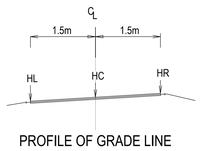
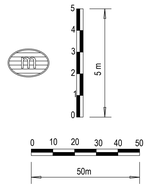
3m GRAVEL ROAD

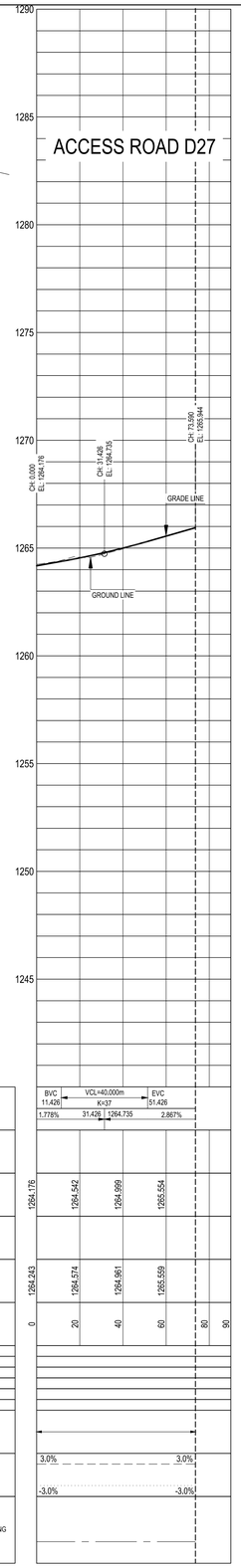


PROFILE OF GRADE LINE



SCALES:
Horizontal 1:1000
Vertical 1:100

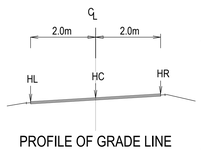
DATUM 1240.000



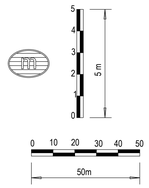
VERTICAL PROFILE GRADES						
		BVC 11.426	VCL=40.000m K=37		EVC 51.426	
		1.778%	31.426	1264.735	2.867%	
FINAL DESIGN ROAD LEVELS	HR LEFT					
	HC ON CENTRE LINE	1264.176	1264.542	1264.999	1265.554	
	HR RIGHT					
GROUND LEVELS		1264.243	1264.574	1264.961	1265.569	
DISTANCE (m)		0	20	40	60	80 90
GUARD RAIL LEFT						
KERB OR PAVING LEFT						
SIDE DRAIN LEFT						
SIDE DRAIN RIGHT						
KERB OR PAVING RIGHT						
GUARD RAIL RIGHT						
HORIZONTAL ALIGNMENT						
SUPERELEVATION	LEFT		3.0%		3.0%	
	RIGHT		-3.0%		-3.0%	
DRAINAGE Distance (km) Size and Angle		FLOW DIRECTION, 90°, 225°, INCREASING DISTANCE, FLOW DIRECTION				

LONGSECTION HA- ACCESS ROAD D27

4m BLOCK PAVING ROAD

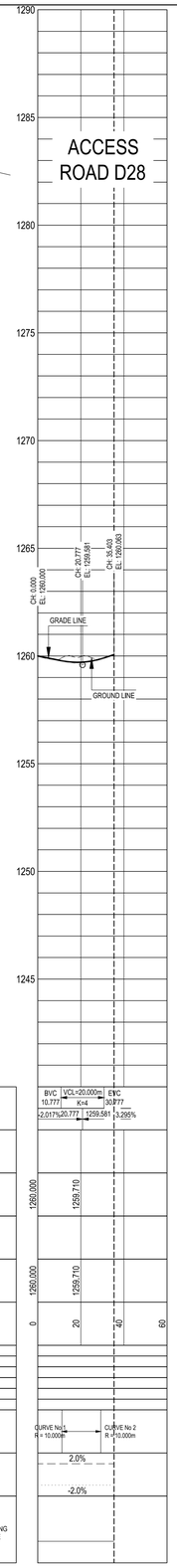


PROFILE OF GRADE LINE



SCALES:
Horizontal 1:1000
Vertical 1:100

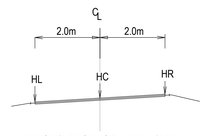
DATUM 1240.000



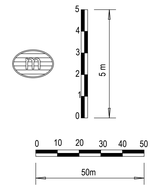
VERTICAL PROFILE GRADES						
		BVC 10.777	VCL=20.000m K=4		EVC 30.777	
		-2.017%	20.777	1259.581	3.295%	
FINAL DESIGN ROAD LEVELS	HR LEFT					
	HC ON CENTRE LINE	1260.000	1259.710			
	HR RIGHT					
GROUND LEVELS		1260.000	1259.710			
DISTANCE (m)		0	20	40	60	
GUARD RAIL LEFT						
KERB OR PAVING LEFT						
SIDE DRAIN LEFT						
SIDE DRAIN RIGHT						
KERB OR PAVING RIGHT						
GUARD RAIL RIGHT						
HORIZONTAL ALIGNMENT			CURVE No 1 R = 10.000m		CURVE No 2 R = 10.000m	
SUPERELEVATION	LEFT				2.0%	
	RIGHT				-2.0%	
DRAINAGE Distance (km) Size and Angle		FLOW DIRECTION, 90°, 225°, INCREASING DISTANCE, FLOW DIRECTION				

LONGSECTION HA- ACCESS ROAD D28

4m BLOCK PAVING ROAD

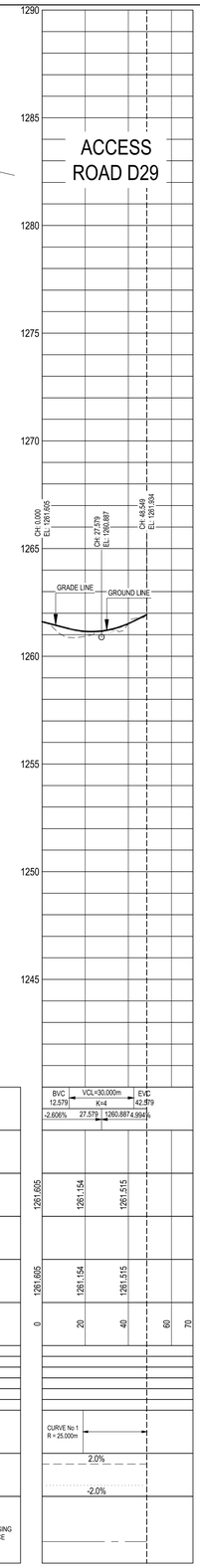


PROFILE OF GRADE LINE



SCALES:
Horizontal 1:1000
Vertical 1:100

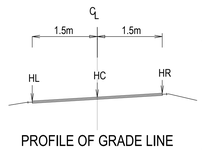
DATUM 1240.000



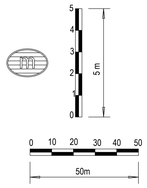
VERTICAL PROFILE GRADES						
		BVC 12.579	VCL=30.000m K=4		EVC 42.579	
		-2.606%	27.579	1260.887	4.994%	
FINAL DESIGN ROAD LEVELS	HR LEFT					
	HC ON CENTRE LINE	1261.605	1261.154	1261.515		
	HR RIGHT					
GROUND LEVELS		1261.605	1261.154	1261.515		
DISTANCE (m)		0	20	40	60	70
GUARD RAIL LEFT						
KERB OR PAVING LEFT						
SIDE DRAIN LEFT						
SIDE DRAIN RIGHT						
KERB OR PAVING RIGHT						
GUARD RAIL RIGHT						
HORIZONTAL ALIGNMENT			CURVE No 1 R = 25.000m			
SUPERELEVATION	LEFT		2.0%			
	RIGHT		-2.0%			
DRAINAGE Distance (km) Size and Angle		FLOW DIRECTION, 90°, 225°, INCREASING DISTANCE, FLOW DIRECTION				

LONGSECTION HA- ACCESS ROAD D29

3m GRAVEL ROAD

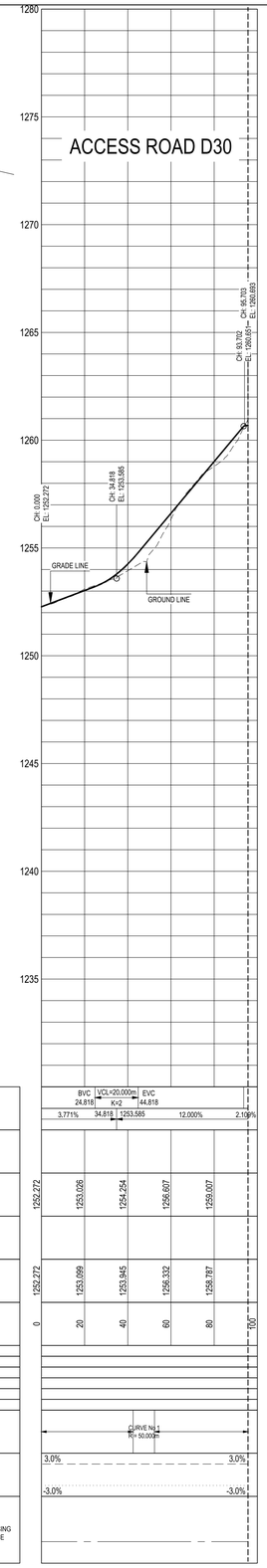


PROFILE OF GRADE LINE



SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1230.000



VERTICAL PROFILE GRADES						
		BVC 24.818	VCL=20.000m K=2		EVC 44.818	
		3.771%	34.818	1253.585	12.000%	2.108%
FINAL DESIGN ROAD LEVELS	HR LEFT					
	HC ON CENTRE LINE	1252.272	1253.026	1254.254	1256.607	1259.007
	HR RIGHT					
GROUND LEVELS		1252.272	1253.099	1253.945	1256.332	1258.787
DISTANCE (m)		0	20	40	60	80 100
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= 50.000m			
SUPERELEVATION	LEFT		3.0%		3.0%	
	RIGHT		-3.0%		-3.0%	
DRAINAGE Distance (km) Size and Angle		FLOW DIRECTION, 90°, 225°, INCREASING DISTANCE, FLOW DIRECTION				

LONGSECTION HA- ACCESS ROAD D30

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. 1998/030664/30
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 D27, D28, D29 AND D30

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-209-T-01	VER
SANRAL DOCUMENT #		T01