SETTING OUT DATA-HA- Access Road D9
Lo 29° WGS84 DATUM

NAME	CH (m)	Y	X	DETAILS
C1	0.000 11.891	26836.176 26836.245 26828.635	2810538.506 2810546.117 2810546.074	R 7.500m DA 90°50'20" TL 7.611m AL 11.891m
L1	138.920	26701.608	2810545.369	L 127.029m

SETTING OUT DATA-HA- Access Road D10
Lo 29° WGS84 DATUM

NAME	CH (m)	Y	X	DETAILS
C1	0.000 14.938	26880.020 26888.635 26890.253	2810580.277 2810581.244 2810589.761	R 11.750m DA 72°50'35" TL 8.669m AL 14.938m
L1	54.597	26897.653	2810628.723	L 39.659m

SETTING OUT DATA-HA- Access Road D11
Lo 29° WGS84 DATUM

NAME	CH (m)	Y	X	LENGTH (m)
L1	0.000 38.657	27155.937 27155.730	2810593.494 2810632.151	38.657

SETTING OUT DATA-HA- Access Road D12
Lo 29° WGS84 DATUM

NAME	CH (m)	Y	X	DETAILS
L1	0.000	27294.465	2810629.171	L 58.637m
C1	58.637 73.640	27235.829 27228.323 27220.838	2810629.061 2810629.046 2810629.595	R 200.000m DA 4°17'50" TL 7.505m AL 15.004m
L2	108.984	27185.589	2810632.177	L 35.343m
C2	108.984 135.865	27185.589 27172.164 27158.729	2810632.177 2810633.161 2810632.337	R 200.000m DA 7°42'00" TL 13.461m AL 26.881m
L3	192.529	27102.171	2810628.867	L 56.664m
C3	192.529 205.095	27102.171 27095.898 27089.612	2810628.867 2810628.480 2810628.487	R 200.000m DA 3°36'00" TL 6.285m AL 12.566m
L4	405.245	26889.463	2810628.733	L 200.149m

SETTING OUT DATA-HA- Access Road D13
Lo 29° WGS84 DATUM

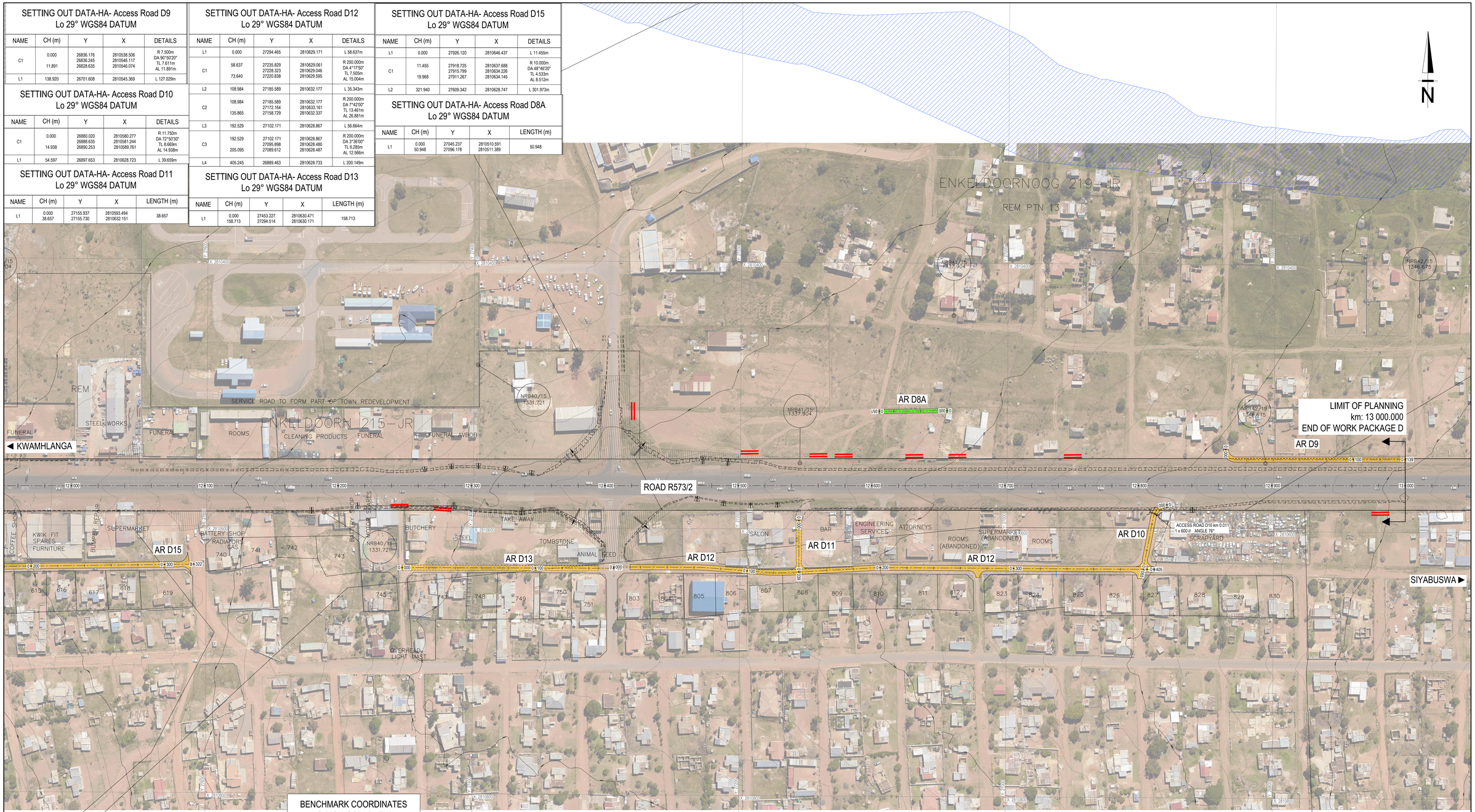
NAME	CH (m)	Y	X	LENGTH (m)
L1	0.000 158.713	27453.227 27294.514	2810630.471 2810630.171	158.713

SETTING OUT DATA-HA- Access Road D15
Lo 29° WGS84 DATUM

NAME	CH (m)	Y	X	DETAILS
L1	0.000	27926.120	2810646.437	L 11.455m
C1	11.455 19.968	27918.725 27915.799 27911.267	2810637.688 2810634.226 2810634.145	R 10.000m DA 48°46'20" TL 4.533m AL 8.512m
L2	321.940	27609.342	2810628.747	L 301.973m

SETTING OUT DATA-HA- Access Road D8A
Lo 29° WGS84 DATUM

NAME	CH (m)	Y	X	LENGTH (m)
L1	0.000 50.948	27045.237 27096.178	2810510.591 2810511.389	50.948



BENCHMARK COORDINATES
LO 29° WGS84 DATUM

POINT	Y	X	Z
NRB36/15	28856.510	2810446.173	1311.578
NRB37/15	28592.446	2810557.223	1316.701
NRB37/15	28477.650	2810446.103	1316.701
NRB38/15	28227.919	2810556.578	1320.243
NRB38/15	28113.120	2810445.463	1320.243
NRB39/15	27870.615	2810554.531	1322.704
NRB39/15	27755.820	2810443.413	1322.704
NRB40/15	27511.822	2810589.391	1331.721
NRB40/15	27397.020	2810478.273	1331.721
NRB41/15	27155.401	2810550.467	1337.904
NRB41/15	27040.600	2810439.353	1337.904
NRB42/15	26806.378	2810548.828	1346.675
NRB42/15	26691.580	2810437.713	1346.675

LEGEND:

- 6.0 m WIDE 80mm BLOCK PAVED ACCESS ROADS
- 4.0 m WIDE 60mm BLOCK PAVED ACCESS ROADS
- 3.0 m WIDE GRAVEL ACCESS ROADS
- CLOSED ACCESS ROAD

FOR TENDER ONLY

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

CONSTRUCTION RECORD
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 :

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SANRAL
SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LTD
Reg.No.1998/009884/30
BUILDING SOUTH AFRICA THROUGH BETTER ROADS

NORTHERN REGION
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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 LAYOUT PLAN
ROAD R573 : km 12.000 - km 13.000

SCALE : 1:1000 SHEET 5 OF 5

PROJECT NUMBER	C.002-053-2023/1	
DRAWING LOCATION DATA	START	END
ROUTE	-	-
SECTION	-	-
DRAWING km DISTANCE	-	-
DRAWING TYPE	ROADS - LAYOUTS	
BRIDGE/STRUCTURE No.		
CONSULTANT DRAWING No.	PD 60487450-4-1-C-AD-105-T-01	VER T01
SANRAL DOCUMENT #		