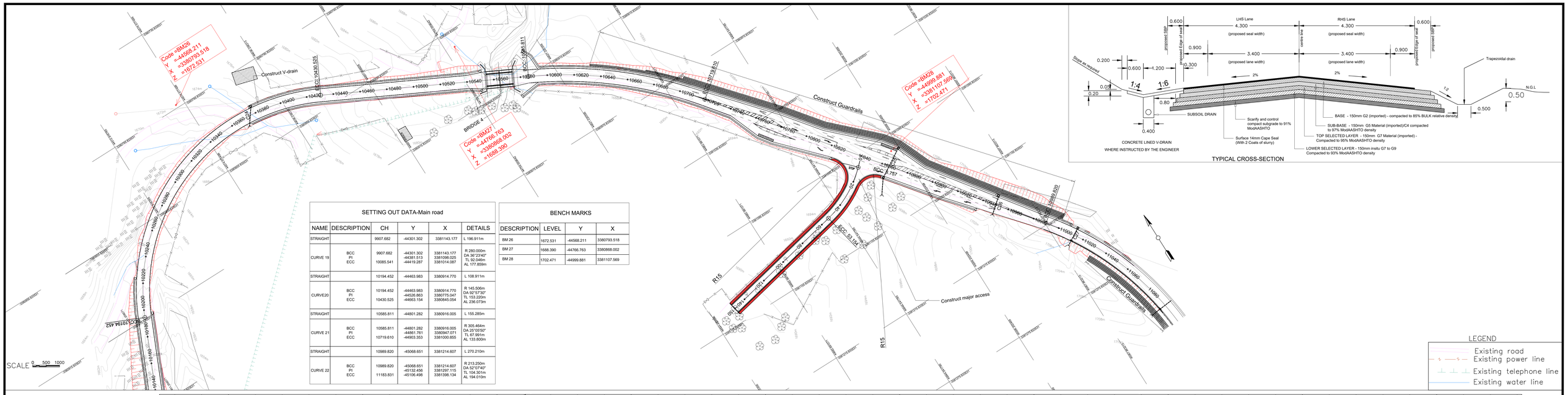

TYPICAL CROSS-SECTION

SETTING OUT DATA-Main road

NAME	DESCRIPTION	CH	Y	X	DETAILS
STRAIGHT		9907.682	-44301.302	3381143.177	L 196.911m
CURVE 19	BCC PI ECC	9907.682 10085.541	-44301.302 -44381.513 -44419.287	3381143.177 3381098.025 3381014.087	R 280.000m DA 36°23'40" TL 92.046m AL 177.859m
STRAIGHT		10194.452	-44463.983	3380914.770	L 108.911m
CURVE20	BCC PI ECC	10194.452 10430.525	-44463.983 -44526.863 -44663.154	3380914.770 3380775.047 3380845.054	R 145.506m DA 92°57'30" TL 153.220m AL 236.073m
STRAIGHT		10585.811	-44801.282	3380916.005	L 155.285m
CURVE 21	BCC PI ECC	10585.811 10719.610	-44801.282 -44861.761 -44903.353	3380916.005 3380947.071 3381000.855	R 305.464m DA 25°05'50" TL 67.991m AL 133.800m
STRAIGHT		10989.820	-45068.651	3381214.607	L 270.210m
CURVE 22	BCC PI ECC	10989.820 11183.831	-45068.651 -45132.456 -45106.498	3381214.607 3381297.115 3381398.134	R 213.250m DA 52°37'40" TL 104.301m AL 194.010m

BENCH MARKS

DESCRIPTION	LEVEL	Y	X
BM 26	1672.531	-44568.211	3380793.518
BM 27	1688.390	-44766.763	3380868.002
BM 28	1702.471	-44999.881	3381107.569

LEGEND
- Existing road
- Existing power line
- Existing telephone line
- Existing water line

KEY LEGEND
- Finished level
- Existing level
- Left edge
- Centre line
- Right edge

DESIGN SPEED 80km/h

4.9 4.9
2% 2%

SCALES:
Horizontal 1:1000
Vertical 1:100

Datum 1629.641

LONGSECTION MAIN ROAD
From 10149.000 to 11163.000

ISSUED FOR TENDER

Drawing Nr	Reference Drawing	Date	Chkd	Apprv

Rev	Description	Date	Chkd	Apprv

Client: Province of the EASTERN CAPE TRANSPORT

Project: THE COMPLETION OF UPGRADING TO A SURFACE STANDARD DR08606(+/- 12Km) STERKSPRUIT TO MLAMLI

Consultant: MASILAKHE CONSULTING DEVELOPMENT MANAGERS

Approved: _____
Name S.K.Anthony Date: 07-02-2020

Drawing Title: HORIZONTAL AND VERTICAL ALIGNMENT Ch 10+149.000 TO Ch 11+163.000

Proj. Engineer	S.K.Anthony
Designed	M.Gadlela
Drawn	M.Gadlela
Checked	S.K.Anthony
Proj. Manager	S.K.Anthony

Scale: 1:1000
Sheet No. 11 OF 12
Project No. E 240
Drawing No. H.V.A-001
Revision T