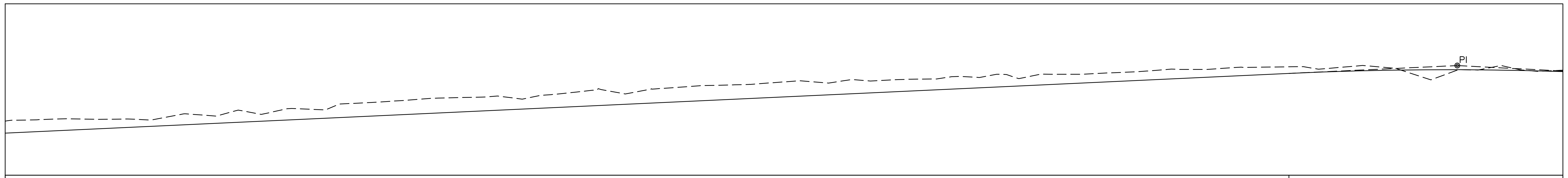
No.	Type	Length	Radius	Direction	Start Station	End Station	Start Direction	End Direction	PI Station	Start Point	End Point	Center Point	PI Point
1	Line	1099.223m		127° 55' 30"	0.000m	1099.223m				(-102807.227995m,-3013783.872706m,0.000000m)	(-103674.314258m,-3013108.260304m,0.000000m)		
2	Curve	36.573m	58.022m		1099.223m	1135.796m	127° 55' 30"	164° 02' 20"	1118.140m	(-103674.314258m,-3013108.260304m,0.000000m)	(-103694.437957m,-3013078.445501m,0.000000m)	(-103638.652050m,-3013062.491146m,0.000000m)	(-103689.236364m,-3013096.633364m)
3	Line	307.865m		164° 02' 20"	1135.796m	1443.661m				(-103694.437957m,-3013078.445501m,0.000000m)	(-103779.091150m,-3012782.447619m,0.000000m)		
4	Curve	44.197m	103.415m		1443.661m	1487.858m	164° 02' 20"	188° 31' 40"	1466.102m	(-103779.091150m,-3012782.447619m,0.000000m)	(-103781.934351m,-3012738.678171m,0.000000m)	(-103679.662689m,-3012754.011818m,0.000000m)	(-103785.261792m,-3012760.871386m)
5	Line	157.383m		188° 31' 40"	1487.858m	1645.241m				(-103781.934351m,-3012738.678171m,0.000000m)	(-103758.598680m,-3012583.034970m,0.000000m)		
6	Curve	39.720m	112.216m		1645.241m	1684.962m	188° 31' 40"	208° 48' 30"	1665.311m	(-103758.598680m,-3012583.034970m,0.000000m)	(-103745.951601m,-3012545.600165m,0.000000m)	(-103647.622596m,-3012599.673676m,0.000000m)	(-103755.622801m,-3012563.186584m)
7	Line	93.805m		208° 48' 30"	1684.962m	1778.767m				(-103745.951601m,-3012545.600165m,0.000000m)	(-103700.749804m,-3012463.403770m,0.000000m)		
8	Curve	40.122m	80.563m		1778.767m	1818.889m	208° 48' 30"	237° 20' 30"	1799.253m	(-103700.749804m,-3012463.403770m,0.000000m)	(-103673.630765m,-3012434.398089m,0.000000m)	(-103630.157202m,-3012502.224360m,0.000000m)	(-103690.878186m,-3012445.452903m)
9	Line	315.504m		237° 20' 30"	1818.889m	2134.393m				(-103673.630765m,-3012434.398089m,0.000000m)	(-103408.005839m,-3012264.144560m,0.000000m)		
10	Curve	44.687m	153.683m		2134.393m	2179.080m	237° 20' 30"	254° 00' 10"	2156.895m	(-103408.005839m,-3012264.144560m,0.000000m)	(-103367.430298m,-3012245.800121m,0.000000m)	(-103325.074625m,-3012393.531586m,0.000000m)	(-103389.061060m,-3012252.001816m)
11	Line	260.009m		254° 00' 10"	2179.080m	2439.089m				(-103367.430298m,-3012245.800121m,0.000000m)	(-103117.490715m,-3012174.140645m,0.000000m)		

Benchmark No.	X-coordinate	Y-Coordinate	Z-Coordinate	Description
7000	-103059.84	-3012165.654	1381.931	12MM IRON PEG
7001	-103429.057	-3012267.855	1378.02	12MM IRON PEG
7002	-103692.625	-3012434.097	1377.139	FIRE HYDRANT
7003	-103769.147	-3012576.171	1378.526	MANHOLE
7004	-103791.108	-3012767.044	1377.782	12MM IRON PEG
7005	-103700.093	-3013092.717	1378.258	12MM IRON PEG
7006	-103319.965	-3013398.163	1372.746	12MM IRON PEG
7007	-103090.864	-3013551.728	1366.662	12MM IRON PEG
7008	-102816.533	-3013764.866	1360.909	12MM IRON PEG NEXT TO ANCOR WIRE
7009	-103151.531	-3013164.306	1370.401	MANHOLE
7010	-102954.641	-3012954.4	1367.246	12MM IRON PEG
7011	-102747.787	-3012900.241	1369.492	12MM IRON PEG
7012	-102566.979	-3012795.049	1374.051	12MM IRON PEG

SCALES:
Horizontal 1:100
Vertical 1:10

DATUM 1376.000



VERTICAL PROFILE GRADES

BVC 1.584652
VCL=58.788m
K=60
EVC 1.643440
0.466%
1.614046 | 1377.919

FINAL DESIGN ROAD LEVELS	LEFT EDGE (HL)			1376.862	1376.955	1377.048	1377.141		1377.235	1377.328	1377.421	1377.514	1377.608		1377.701		1377.774		1377.782	
	CENTRE LINE (CL)	1376.737	1376.828	1376.922	1377.015	1377.108	1377.201		1377.295	1377.388	1377.481	1377.574	1377.668		1377.761	1377.782	1377.834	1377.847	1377.842	1377.814
	RIGHT EDGE (HR)			1376.982	1377.075	1377.168	1377.261		1377.355	1377.448	1377.541	1377.634	1377.728		1377.821		1377.894		1377.902	
GROUND LEVELS ON CL			1376.981	1377.109	1377.252	1377.359	1377.454	1377.487	1377.554	1377.647	1377.681	1377.742	1377.825	1377.858	1377.891		1377.899		1377.887	
DISTANCE (km)		1.360	1.380	1.400	1.420	1.440	1.460		1.480	1.500	1.520	1.540	1.560		1.580	1.585	1.600	1.614	1.620	1.633

SUPERELEVATION
LEFT ·······
RIGHT — —

HORIZONTAL ALIGNMENT
DIRECTION 164° 02' 20"
BCC 1.443661
CURVE # LEFT/RIGHT
R=103.415m
I=176° 17' 00"
ECC 1.487858
DIRECTION 188° 31' 40"

LONGSECTION ALIGNMENT 1
FROM 1360.427 TO 1632.513

NOTES AND SPECIFICATIONS

LEGEND

ROADS:

1. KERBING TO BE AS PER STANDARD DETAIL PLANS.
2. TRAFFIC CONTROL MUST COMPLY WITH THE REQUIREMENTS OF THE SOUTH AFRICAN ROAD TRAFFIC SIGNS MANUAL (THIRD EDITION).
3. ALL LEVELS TO BE CONFIRMED ON SITE.

STORMWATER

1. MINIMUM PIPE DIAMETER TO BE 450mm.
2. MINIMUM PIPE FALL TO BE 1:200(1%) UNLESS OTHERWISE APPROVED BY MUNICIPALITY.
3. PIPE BEDDING TO BE CLASS B UNLESS OTHERWISE SPECIFIED.
4. ALL EXCAVATIONS AND BEDDING MUST BE INSPECTED AND APPROVED BY THE ENGINEER BEFORE LAYING OF ANY PIPES.
5. CLEAN EXISTING STORMWATER INLETS AND REPAIR WHERE NECESSARY (IF APPLICABLE).
6. BELL MOUTHS TO HAVE FIG8c KERBS

SHEET LAYOUT

PROJECT STATUS

○ CONCEPT DRAWING
○ TENDER DRAWING
○ APPROVED FOR CONSTRUCTION DRAWING
○ ASBUILT DRAWING

AMENDMENTS

NR.	DATE	DESCRIPTION

CONSULTANTS DETAIL:

TEKROD CONSULTING ENGINEERS
21 RIVIER STREET
VILLA PEREZ
UNIT No.8
POTCHEFSTROOM
2531

TEL : 015 023 1118
eMAIL: admin@tekrodce.co.za
WEBSITE: www.Tekrod.co.za

CLIENT DETAIL:

MAQUASSI HILLS LOCAL
MUNICIPALITY

13 KRUGER STREET
PRIVATE BAG X 3
WOLMARANSSTAD
2630
TEL : 018 065 0010
FAX : 018 596 1555

DESIGNED
TEKROD CONSULTING ENGINEERS

DRAWING CHECKED BY
TEKROD CONSULTING ENGINEERS

DRAWN
TEKROD CONSULTING ENGINEERS

CIVIL DRAUGHTING SERVICES
TEKROD CONSULTING ENGINEERS

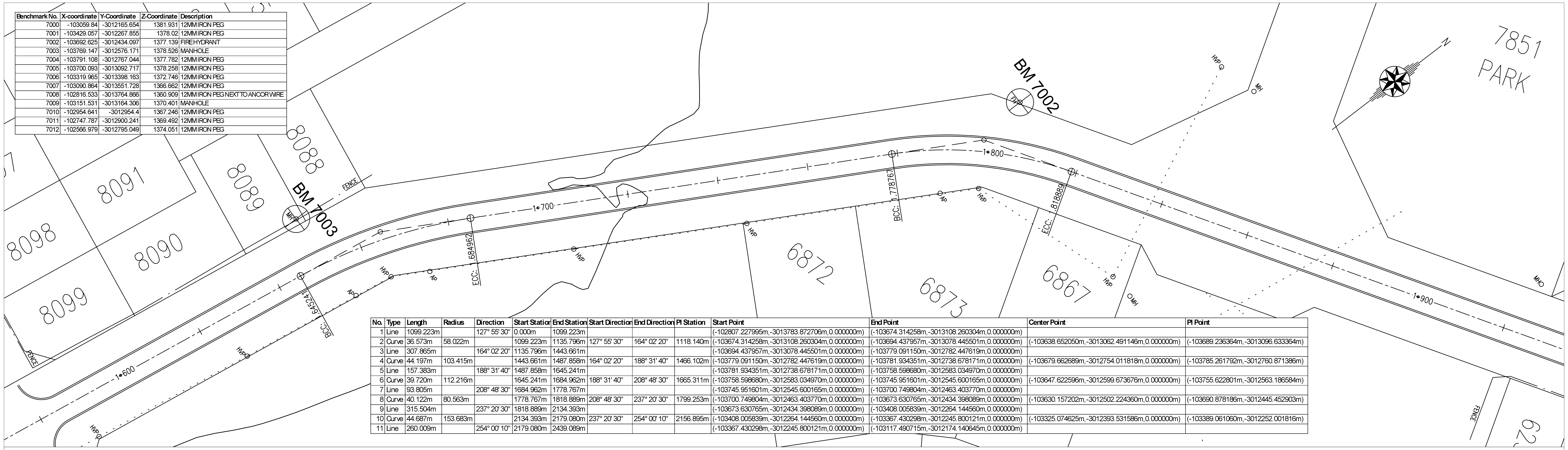
LOCATION OF PROJECT:
NORTH WEST: WOLMARANSSTAD

DESCRIPTION OF PROJECT

UPGRADING OF GRAVEL ROAD TO BLOCK PAVING BETWEEN MAITEMOGELO TAXI ROUTE AND N12 ROAD 1 LAYOUT PLAN & LONG SECTION

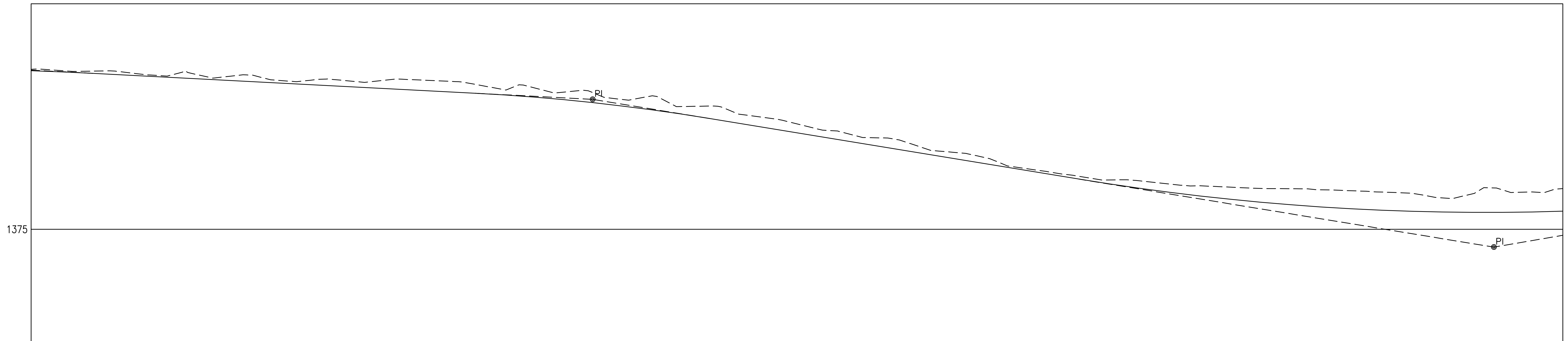
PROJECT ENGINEER:
INITIALS AND SURNAME
SIGNATURE & PR NUMBER
DATE
INSPECTOR OF WORKS:
SIGNATURE
DATE
REMARKS:
ORIGINAL PAPER SIZE: A1

CONTRACT No. :	PROJECT No. :	SCALE :	DATE :	DRAWING NO.	SHEET NO:	REVISION
TBC	001 - R	1:1000	JUNE - 2026	002-W17-06	6OF9	1



Benchmark No.	X-coordinate	Y-Coordinate	Z-Coordinate	Description
7000	-103059.84	-3012165.654	1381.931	12MM IRON PEG
7001	-103429.057	-3012267.855	1378.02	12MM IRON PEG
7002	-103692.625	-3012434.097	1377.139	FIRE HYDRANT
7003	-103769.147	-3012576.171	1378.526	MANHOLE
7004	-103791.108	-3012767.044	1377.782	12MM IRON PEG
7005	-103700.093	-3013092.717	1378.258	12MM IRON PEG
7006	-103319.965	-3013398.163	1372.746	12MM IRON PEG
7007	-103090.864	-3013551.728	1366.662	12MM IRON PEG
7008	-102816.533	-3013764.866	1360.909	12MM IRON PEG NEXT TO ANCOR WIRE
7009	-103151.531	-3013164.306	1370.401	MANHOLE
7010	-102954.641	-3012954.4	1367.246	12MM IRON PEG
7011	-102747.787	-3012900.241	1369.492	12MM IRON PEG
7012	-102566.979	-3012795.049	1374.051	12MM IRON PEG

No.	Type	Length	Radius	Direction	Start Station	End Station	Start Direction	End Direction	PI Station	Start Point	End Point	Center Point	PI Point
1	Line	1099.223m		127° 55' 30"	0.000m	1099.223m				(-102807.227995m,-3013783.872706m,0.000000m)	(-103674.314258m,-3013108.260304m,0.000000m)		
2	Curve	36.573m	58.022m		1099.223m	1135.796m	127° 55' 30"	164° 02' 20"	1118.140m	(-103674.314258m,-3013108.260304m,0.000000m)	(-103694.437957m,-3013078.445501m,0.000000m)	(-103638.652050m,-3013062.491146m,0.000000m)	(-103689.236364m,-3013096.633364m)
3	Line	307.865m		164° 02' 20"	1135.796m	1443.661m				(-103694.437957m,-3013078.445501m,0.000000m)	(-103779.091150m,-3012782.447619m,0.000000m)		
4	Curve	44.197m	103.415m		1443.661m	1487.858m	164° 02' 20"	188° 31' 40"	1466.102m	(-103779.091150m,-3012782.447619m,0.000000m)	(-103781.934351m,-3012738.678171m,0.000000m)	(-103679.662689m,-3012754.011818m,0.000000m)	(-103785.261792m,-3012760.871386m)
5	Line	157.383m		188° 31' 40"	1487.858m	1645.241m				(-103781.934351m,-3012738.678171m,0.000000m)	(-103758.598680m,-3012583.034970m,0.000000m)		
6	Curve	39.720m	112.216m		1645.241m	1684.962m	188° 31' 40"	208° 48' 30"	1665.311m	(-103758.598680m,-3012583.034970m,0.000000m)	(-103745.951601m,-3012545.600165m,0.000000m)	(-103647.622596m,-3012599.673676m,0.000000m)	(-103755.622801m,-3012563.186584m)
7	Line	93.805m		208° 48' 30"	1684.962m	1778.767m				(-103745.951601m,-3012545.600165m,0.000000m)	(-103700.749804m,-3012463.403770m,0.000000m)		
8	Curve	40.122m	80.563m		1778.767m	1818.889m	208° 48' 30"	237° 20' 30"	1799.253m	(-103700.749804m,-3012463.403770m,0.000000m)	(-103673.630765m,-3012434.398089m,0.000000m)	(-103630.157202m,-3012502.224360m,0.000000m)	(-103690.878186m,-3012445.452903m)
9	Line	315.504m		237° 20' 30"	1818.889m	2134.393m				(-103673.630765m,-3012434.398089m,0.000000m)	(-103408.005839m,-3012264.144560m,0.000000m)		
10	Curve	44.687m	153.683m		2134.393m	2179.080m	237° 20' 30"	254° 00' 10"	2156.895m	(-103408.005839m,-3012264.144560m,0.000000m)	(-103367.430298m,-3012245.800121m,0.000000m)	(-103325.074625m,-3012393.531586m,0.000000m)	(-103389.061060m,-3012252.001816m)
11	Line	260.009m		254° 00' 10"	2179.080m	2439.089m				(-103367.430298m,-3012245.800121m,0.000000m)	(-103117.490715m,-3012174.140645m,0.000000m)		



SCALES:
Horizontal 1:100
Vertical 1:10

DATUM 1373.000

VERTICAL PROFILE GRADES

BVC 1.584652 | VCL=58.788m K=60 | EVC 1.643440 | BVC 1.711407 | VCL=41.687m K=37 | EVC 1.753094 | BVC 1.818647 | VCL=147.360m K=44 | EVC 1.966007

1.614046 1377.919 | -0.519% | 1.732250 1377.305 | -1.638% | 1.892327 1374.684

DISTANCE (km)	FINAL DESIGN ROAD LEVELS: LEFT EDGE (HL)	FINAL DESIGN ROAD LEVELS: CENTRE LINE (CL)	FINAL DESIGN ROAD LEVELS: RIGHT EDGE (HR)	GROUND LEVELS ON CL
1.633		1377.814		
1.640		1377.784		1377.800
1.643		1377.767		
1.660	1377.621	1377.681	1377.741	1377.804
1.680	1377.517	1377.577	1377.637	1377.622
1.700	1377.413	1377.473	1377.533	1377.655
1.711		1377.414		
1.720	1377.299	1377.359	1377.419	1377.557
1.732		1377.247		1377.340
1.740	1377.096	1377.156	1377.216	1377.315
1.753		1376.964		
1.760	1376.791	1376.851	1376.911	1377.019
1.780	1376.463	1376.523	1376.583	1376.634
1.800	1376.136	1376.196	1376.256	1376.315
1.819		1375.891		
1.820	1375.809	1375.869	1375.929	1375.918
				1375.782
1.840	1375.533	1375.593	1375.653	1375.772
1.860	1375.347	1375.407	1375.467	1375.710
1.880	1375.253	1375.313	1375.373	1375.604
1.892		1375.300		
1.900	1375.249	1375.309	1375.369	1375.657
1.905		1375.322		

SUPERELEVATION
LEFT ·······
RIGHT — —

HORIZONTAL ALIGNMENT

DIRECTION 188° 31' 40" | BCC 1.645241 | CURVE # LEFT/RIGHT R=112.216m I=198° 40' 00" | ECC 1.684962 | DIRECTION 208° 48' 30" | BCC 1.778767 | CURVE # LEFT/RIGHT R=80.563m I=223° 04' 30" | ECC 1.818889 | DIRECTION 237° 20' 30"

LONGSECTION ALIGNMENT 1
FROM 1632.513 TO 1904.598

NOTES AND SPECIFICATIONS

LEGEND

ROADS:

1. KERBING TO BE AS PER STANDARD DETAIL PLANS.

2. TRAFFIC CONTROL MUST COMPLY WITH THE REQUIREMENTS OF THE SOUTH AFRICAN ROAD TRAFFIC SIGNS MANUAL (THIRD EDITION).

3. ALL LEVELS TO BE CONFIRMED ON SITE.

STORMWATER

1. MINIMUM PIPE DIAMETER TO BE 450mm.

2. MINIMUM PIPE FALL TO BE 1:200(1%) UNLESS OTHERWISE APPROVED BY MUNICIPALITY.

3. PIPE BEDDING TO BE CLASS B UNLESS OTHERWISE SPECIFIED.

4. ALL EXCAVATIONS AND BEDDING MUST BE INSPECTED AND APPROVED BY THE ENGINEER BEFORE LAYING OF ANY PIPES.

5. CLEAN EXISTING STORMWATER INLETS AND REPAIR WHERE NECESSARY (IF APPLICABLE).
6. BELL MOUTHS TO HAVE FIG8c KERBS

SHEET LAYOUT

PROJECT STATUS

○ CONCEPT DRAWING ○ TENDER DRAWING ○ APPROVED FOR CONSTRUCTION DRAWING ○ ASBUILT DRAWING

PROJECT ENGINEER:
INITIALS AND SURNAME SIGNATURE & PR NUMBER DATE
INSPECTOR OF WORKS:
SIGNATURE DATE
REMARKS:
ORIGINAL PAPER SIZE: A1

AMENDMENTS

NR.	DATE	DESCRIPTION

CONSULTANTS DETAIL:
TEKROD CONSULTING ENGINEERS
21 RIVIER STREET
VILLA PEREZ
UNIT No.8
POTCHEFSTROOM
2531

TEL : 015 023 1118
eMAIL: admin@tekrodce.co.za
WEBSITE: www.Tekrod.co.za

CLIENT DETAIL:
MAQUASSI HILLS LOCAL MUNICIPALITY

13 KRUGER STREET
PRIVATE BAG X 3
WOLMARANSSTAD
2630
TEL : 018 065 0010
FAX : 018 596 1555

DESIGNED
TEKROD CONSULTING ENGINEERS

DRAWING CHECKED BY
TEKROD CONSULTING ENGINEERS

DRAWN
TEKROD CONSULTING ENGINEERS

CIVIL DRAUGHTING SERVICES
TEKROD CONSULTING ENGINEERS

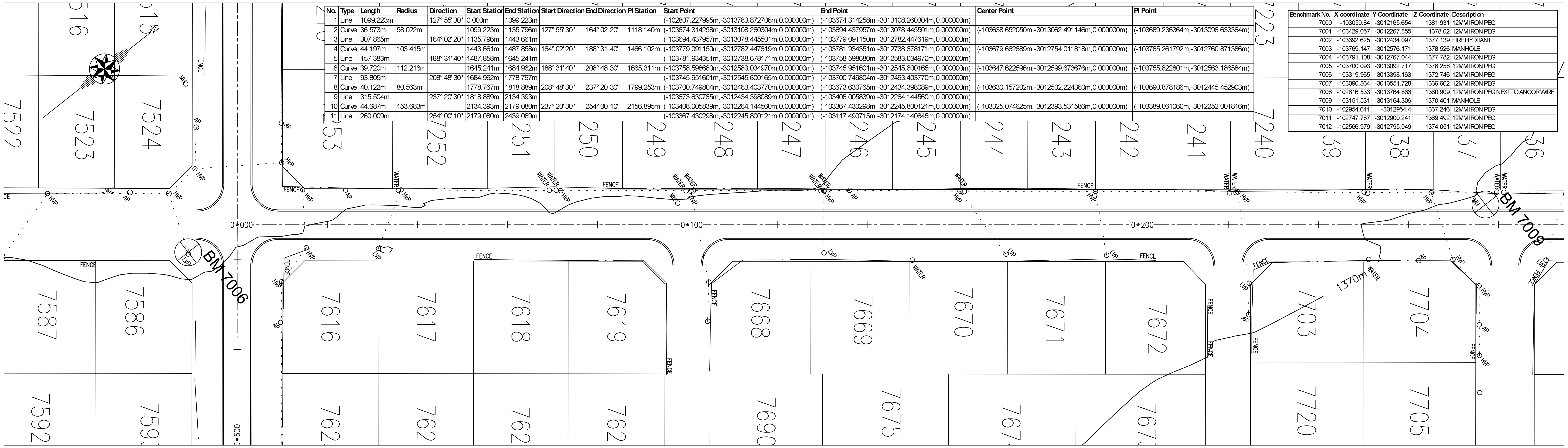
LOCATION OF PROJECT:
NORTH WEST: WOLMARANSSTAD

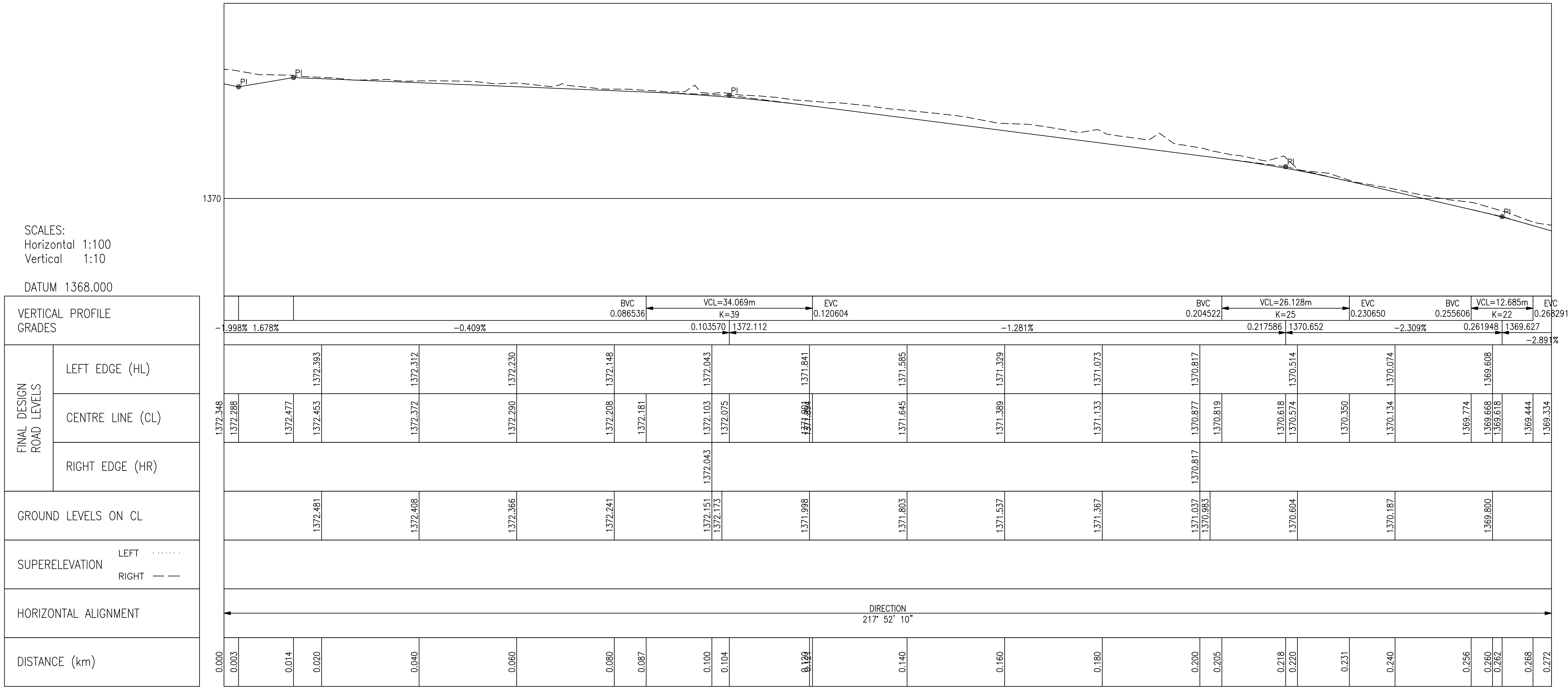
DESCRIPTION OF PROJECT
UPGRADING OF GRAVEL ROAD TO BLOCK PAVING
BETWEEN MAITEMOGELO TAXI ROUTE AND N12
ROAD 1 LAYOUT PLAN & LONG SECTION

CONTRACT No. : TBC
PROJECT No. : 001 - R
SCALE : 1:1000
DATE : JUNE - 2026
DRAWING NO. 002-W17-07
SHEET NO: 7OF9
REVISION 1

No.	Type	Length	Radius	Direction	Start Station	End Station	Start Direction	End Direction	PI Station	Start Point	End Point	Center Point	PI Point
1	Line	1099.223m		127° 55' 30"	0.000m	1099.223m				(-102807.227995m,-3013783.872706m,0.000000m)	(-103674.314258m,-3013108.260304m,0.000000m)		
2	Curve	36.573m	58.022m		1099.223m	1135.796m	127° 55' 30"	164° 02' 20"	1118.140m	(-103674.314258m,-3013108.260304m,0.000000m)	(-103694.437957m,-3013078.445501m,0.000000m)	(-103638.652050m,-3013062.491146m,0.000000m)	(-103689.236364m,-3013096.633364m)
3	Line	307.865m		164° 02' 20"	1135.796m	1443.661m				(-103694.437957m,-3013078.445501m,0.000000m)	(-103779.091150m,-3012782.447619m,0.000000m)		
4	Curve	44.197m	103.415m		1443.661m	1487.858m	164° 02' 20"	188° 31' 40"	1466.102m	(-103779.091150m,-3012782.447619m,0.000000m)	(-103781.934351m,-3012738.678171m,0.000000m)	(-103679.662689m,-3012754.011818m,0.000000m)	(-103785.261792m,-3012760.871386m)
5	Line	157.383m		188° 31' 40"	1487.858m	1645.241m				(-103781.934351m,-3012738.678171m,0.000000m)	(-103758.598680m,-3012583.034970m,0.000000m)		
6	Curve	39.720m	112.216m		1645.241m	1684.962m	188° 31' 40"	208° 48' 30"	1665.311m	(-103758.598680m,-3012583.034970m,0.000000m)	(-103745.951601m,-3012545.600165m,0.000000m)	(-103647.622596m,-3012599.673676m,0.000000m)	(-103755.622801m,-3012563.186584m)
7	Line	93.805m		208° 48' 30"	1684.962m	1778.767m				(-103745.951601m,-3012545.600165m,0.000000m)	(-103700.749804m,-3012463.403770m,0.000000m)		
8	Curve	40.122m	80.563m		1778.767m	1818.889m	208° 48' 30"	237° 20' 30"	1799.253m	(-103700.749804m,-3012463.403770m,0.000000m)	(-103673.630765m,-3012434.398089m,0.000000m)	(-103630.157202m,-3012502.224360m,0.000000m)	(-103690.878186m,-3012445.452903m)
9	Line	315.504m		237° 20' 30"	1818.889m	2134.393m				(-103673.630765m,-3012434.398089m,0.000000m)	(-103408.005839m,-3012264.144560m,0.000000m)		
10	Curve	44.687m	153.683m		2134.393m	2179.080m	237° 20' 30"	254° 00' 10"	2156.895m	(-103408.005839m,-3012264.144560m,0.000000m)	(-103367.430298m,-3012245.800121m,0.000000m)	(-103325.074625m,-3012393.531586m,0.000000m)	(-103389.061060m,-3012252.001816m)
11	Line	260.009m		254° 00' 10"	2179.080m	2439.089m				(-103367.430298m,-3012245.800121m,0.000000m)	(-103117.490715m,-3012174.140645m,0.000000m)		

Benchmark No.	X-coordinate	Y-Coordinate	Z-Coordinate	Description
7000	-103059.84	-3012165.654	1381.931	12MM IRON PEG
7001	-103429.057	-3012267.855	1378.02	12MM IRON PEG
7002	-103692.625	-3012434.097	1377.139	FIRE HYDRANT
7003	-103769.147	-3012576.171	1378.526	MANHOLE
7004	-103791.108	-3012767.044	1377.782	12MM IRON PEG
7005	-103700.093	-3013092.717	1378.258	12MM IRON PEG
7006	-103319.965	-3013398.163	1372.746	12MM IRON PEG
7007	-103090.864	-3013551.728	1366.662	12MM IRON PEG
7008	-102816.533	-3013764.866	1360.909	12MM IRON PEG NEXT TO ANCOR WIRE
7009	-103151.531	-3013164.306	1370.401	MANHOLE
7010	-102954.641	-3012954.4	1367.246	12MM IRON PEG
7011	-102747.787	-3012900.241	1369.492	12MM IRON PEG
7012	-102566.979	-3012795.049	1374.051	12MM IRON PEG





SCALES:
Horizontal 1:100
Vertical 1:10

DATUM 1368.000

LONGSECTION ALIGNMENT 2
FROM 0.000 TO 272.085

NOTES AND SPECIFICATIONS

LEGEND

ROADS:

1. KERBING TO BE AS PER STANDARD DETAIL PLANS.

2. TRAFFIC CONTROL MUST COMPLY WITH THE REQUIREMENTS OF THE SOUTH AFRICAN ROAD TRAFFIC SIGNS MANUAL (THIRD EDITION).

3. ALL LEVELS TO BE CONFIRMED ON SITE.

STORMWATER

1. MINIMUM PIPE DIAMETER TO BE 450mm.

2. MINIMUM PIPE FALL TO BE 1:200(1%) UNLESS OTHERWISE APPROVED BY MUNICIPALITY.

3. PIPE BEDDING TO BE CLASS B UNLESS OTHERWISE SPECIFIED.

4. ALL EXCAVATIONS AND BEDDING MUST BE INSPECTED AND APPROVED BY THE ENGINEER BEFORE LAYING OF ANY PIPES.

5. CLEAN EXISTING STORMWATER INLETS AND REPAIR WHERE NECESSARY (IF APPLICABLE).
6. BELL MOUTHS TO HAVE FIG8c KERBS

SHEET LAYOUT

PROJECT STATUS

○ CONCEPT DRAWING
○ TENDER DRAWING
○ APPROVED FOR CONSTRUCTION DRAWING
○ ASBUILT DRAWING

PROJECT ENGINEER:
INITIALS AND SURNAME
SIGNATURE & PR NUMBER
DATE
INSPECTOR OF WORKS:
SIGNATURE
DATE
REMARKS:
ORIGINAL PAPER SIZE: A1

AMENDMENTS

NR.	DATE	DESCRIPTION

CONSULTANTS DETAIL:

TEKROD CONSULTING ENGINEERS
21 RIVIER STREET
VILLA PEREZ
UNIT No.8
POTCHEFSTROOM
2531

TEL : 015 023 1118
eMAIL: admin@tekrodce.co.za
WEBSITE: www.Tekrod.co.za

TEKROD CONSULTING ENGINEERS

CLIENT DETAIL:

MAQUASSI HILLS LOCAL MUNICIPALITY

13 KRUGER STREET
PRIVATE BAG X 3
WOLMARANSSTAD
2630
TEL : 018 065 0010
FAX : 018 596 1555

DESIGNED
TEKROD CONSULTING ENGINEERS

DRAWING CHECKED BY
TEKROD CONSULTING ENGINEERS

DRAWN
TEKROD CONSULTING ENGINEERS

CIVIL DRAUGHTING SERVICES
TEKROD CONSULTING ENGINEERS

LOCATION OF PROJECT:
NORTH WEST: WOLMARANSSTAD

DESCRIPTION OF PROJECT
UPGRADING OF GRAVEL ROAD TO BLOCK PAVING BETWEEN MAITEMOGELO TAXI ROUTE AND N12 ROAD 2 LAYOUT PLAN & LONG SECTION

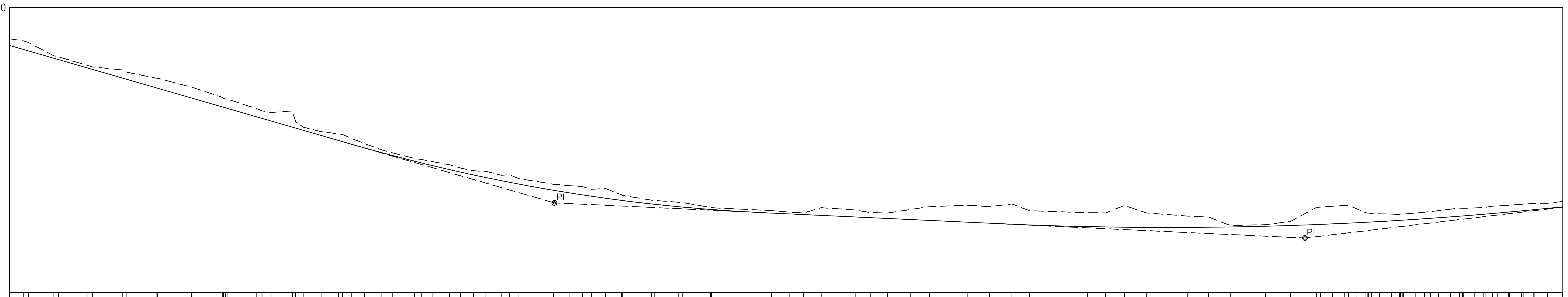
CONTRACT No. : TBC
PROJECT No. : 001 - R
SCALE : 1:1000
DATE : JUNE - 2026
DRAWING NO. 003-W17-01
SHEET NO: 1OF4
REVISION 1

No.	Type	Length	Radius	Direction	Start Station	End Station	Start Direction	End Direction	PI Station	Start Point	End Point	Center Point	PI Point
1	Line	1099.223m		127° 55' 30"	0.000m	1099.223m				(-102807.227995m,-3013783.872706m,0.000000m)	(-103674.314258m,-3013108.260304m,0.000000m)		
2	Curve	36.573m	58.022m		1099.223m	1135.796m	127° 55' 30"	164° 02' 20"	1118.140m	(-103674.314258m,-3013108.260304m,0.000000m)	(-103694.437957m,-3013078.445501m,0.000000m)	(-103638.652050m,-3013062.491146m,0.000000m)	(-103689.236364m,-3013096.633364m)
3	Line	307.865m		164° 02' 20"	1135.796m	1443.661m				(-103694.437957m,-3013078.445501m,0.000000m)	(-103779.091150m,-3012782.447619m,0.000000m)		
4	Curve	44.197m	103.415m		1443.661m	1487.858m	164° 02' 20"	188° 31' 40"	1466.102m	(-103779.091150m,-3012782.447619m,0.000000m)	(-103781.934351m,-3012738.678171m,0.000000m)	(-103679.662689m,-3012754.011818m,0.000000m)	(-103785.261792m,-3012760.871386m)
5	Line	157.383m		188° 31' 40"	1487.858m	1645.241m				(-103781.934351m,-3012738.678171m,0.000000m)	(-103758.598680m,-3012583.034970m,0.000000m)		
6	Curve	39.720m	112.216m		1645.241m	1684.962m	188° 31' 40"	208° 48' 30"	1665.311m	(-103758.598680m,-3012583.034970m,0.000000m)	(-103745.951601m,-3012545.600165m,0.000000m)	(-103647.622596m,-3012599.673676m,0.000000m)	(-103755.622801m,-3012563.186584m)
7	Line	93.805m		208° 48' 30"	1684.962m	1778.767m				(-103745.951601m,-3012545.600165m,0.000000m)	(-103700.749804m,-3012463.403770m,0.000000m)		
8	Curve	40.122m	80.563m		1778.767m	1818.889m	208° 48' 30"	237° 20' 30"	1799.253m	(-103700.749804m,-3012463.403770m,0.000000m)	(-103673.630765m,-3012434.398089m,0.000000m)	(-103630.157202m,-3012502.224360m,0.000000m)	(-103690.878186m,-3012445.452903m)
9	Line	315.504m		237° 20' 30"	1818.889m	2134.393m				(-103673.630765m,-3012434.398089m,0.000000m)	(-103408.005839m,-3012264.144560m,0.000000m)		
10	Curve	44.687m	153.683m		2134.393m	2179.080m	237° 20' 30"	254° 00' 10"	2156.895m	(-103408.005839m,-3012264.144560m,0.000000m)	(-103367.430298m,-3012245.800121m,0.000000m)	(-103325.074625m,-3012393.531586m,0.000000m)	(-103389.061060m,-3012252.001816m)
11	Line	260.009m		254° 00' 10"	2179.080m	2439.089m				(-103367.430298m,-3012245.800121m,0.000000m)	(-103117.490715m,-3012174.140645m,0.000000m)		

Benchmark No.	X-coordinate	Y-Coordinate	Z-Coordinate	Description
7000	-103059.84	-3012165.654	1381.931	12MM IRON PEG
7001	-103429.057	-3012267.855	1378.02	12MM IRON PEG
7002	-103692.625	-3012434.097	1377.139	FIRE HYDRANT
7003	-103769.147	-3012576.171	1378.526	MANHOLE
7004	-103791.108	-3012767.044	1377.782	12MM IRON PEG
7005	-103700.093	-3013092.717	1378.258	12MM IRON PEG
7006	-103319.965	-3013398.163	1372.746	12MM IRON PEG
7007	-103090.864	-3013551.728	1366.662	12MM IRON PEG
7008	-102816.533	-3013764.866	1360.909	12MM IRON PEG NEXT TO ANCOR WIRE
7009	-103151.531	-3013164.306	1370.401	MANHOLE
7010	-102954.641	-3012954.4	1367.246	12MM IRON PEG
7011	-102747.787	-3012900.241	1369.492	12MM IRON PEG
7012	-102566.979	-3012795.049	1374.051	12MM IRON PEG

SCALES:
Horizontal 1:100
Vertical 1:10

DATUM 1365.000



VERTICAL PROFILE GRADES

FINAL DESIGN ROAD LEVELS: LEFT EDGE (HL)	1369.150	1368.708	1368.174	1367.431	1367.053	1366.858	1366.698	1366.466	1366.451	1366.533	1366.405	1366.343	1366.336	1366.439	1366.412	1366.568
FINAL DESIGN ROAD LEVELS: CENTRE LINE (CL)	1369.150	1368.708	1368.174	1367.431	1367.053	1366.858	1366.698	1366.466	1366.451	1366.533	1366.405	1366.343	1366.336	1366.439	1366.412	1366.568
FINAL DESIGN ROAD LEVELS: RIGHT EDGE (HR)	1369.150	1368.708	1368.174	1367.431	1367.053	1366.858	1366.698	1366.466	1366.451	1366.533	1366.405	1366.343	1366.336	1366.439	1366.412	1366.568
GROUND LEVELS ON CL	1369.150	1368.708	1368.174	1367.431	1367.053	1366.858	1366.698	1366.466	1366.451	1366.533	1366.405	1366.343	1366.336	1366.439	1366.412	1366.568
SUPERELEVATION: LEFT ······· RIGHT — —																
DISTANCE (km)	0.280	0.300	0.320	0.340	0.360	0.372	0.380	0.400	0.420	0.440	0.460	0.478	0.480	0.500	0.520	0.540

HORIZONTAL ALIGNMENT
DIRECTION 217° 52' 10"
BCC 0.501743
CURVE # LEFT/RIGHT
R=59.026m
I=235° 56' 40"
ECC 0.538984
DIRECTION 254° 01' 10"

LONGSECTION ALIGNMENT 2
FROM 272.085 TO 544.171

NOTES AND SPECIFICATIONS

LEGEND

ROADS:

1. KERBING TO BE AS PER STANDARD DETAIL PLANS.

2. TRAFFIC CONTROL MUST COMPLY WITH THE REQUIREMENTS OF THE SOUTH AFRICAN ROAD TRAFFIC SIGNS MANUAL (THIRD EDITION).

3. ALL LEVELS TO BE CONFIRMED ON SITE.

STORMWATER

1. MINIMUM PIPE DIAMETER TO BE 450mm.

2. MINIMUM PIPE FALL TO BE 1:200(1%) UNLESS OTHERWISE APPROVED BY MUNICIPALITY.

3. PIPE BEDDING TO BE CLASS B UNLESS OTHERWISE SPECIFIED.

4. ALL EXCAVATIONS AND BEDDING MUST BE INSPECTED AND APPROVED BY THE ENGINEER BEFORE LAYING OF ANY PIPES.

5. CLEAN EXISTING STORMWATER INLETS AND REPAIR WHERE NECESSARY (IF APPLICABLE).
6. BELL MOUTHS TO HAVE FIG8c KERBS

SHEET LAYOUT

PROJECT STATUS

○ CONCEPT DRAWING ○ TENDER DRAWING ○ APPROVED FOR CONSTRUCTION DRAWING ○ ASBUILT DRAWING

PROJECT ENGINEER:
INITIALS AND SURNAME ____ SIGNATURE & PR NUMBER ____ DATE ____
INSPECTOR OF WORKS:
SIGNATURE ____ DATE ____
REMARKS:
ORIGINAL PAPER SIZE: A1

AMENDMENTS

NR.	DATE	DESCRIPTION

CONSULTANTS DETAIL:
TEKROD CONSULTING ENGINEERS
21 RIVIER STREET
VILLA PEREZ
UNIT No.8
POTCHEFSTROOM
2531

TEL : 015 023 1118
eMAIL: admin@tekrodce.co.za
WEBSITE: www.Tekrod.co.za

TEKROD CONSULTING ENGINEERS

CLIENT DETAIL:
MAQUASSI HILLS LOCAL
MUNICIPALITY

13 KRUGER STREET
PRIVATE BAG X 3
WOLMARANSSTAD
2630
TEL : 018 065 0010
FAX : 018 596 1555

DESIGNED
TEKROD CONSULTING ENGINEERS

DRAWING CHECKED BY
TEKROD CONSULTING ENGINEERS

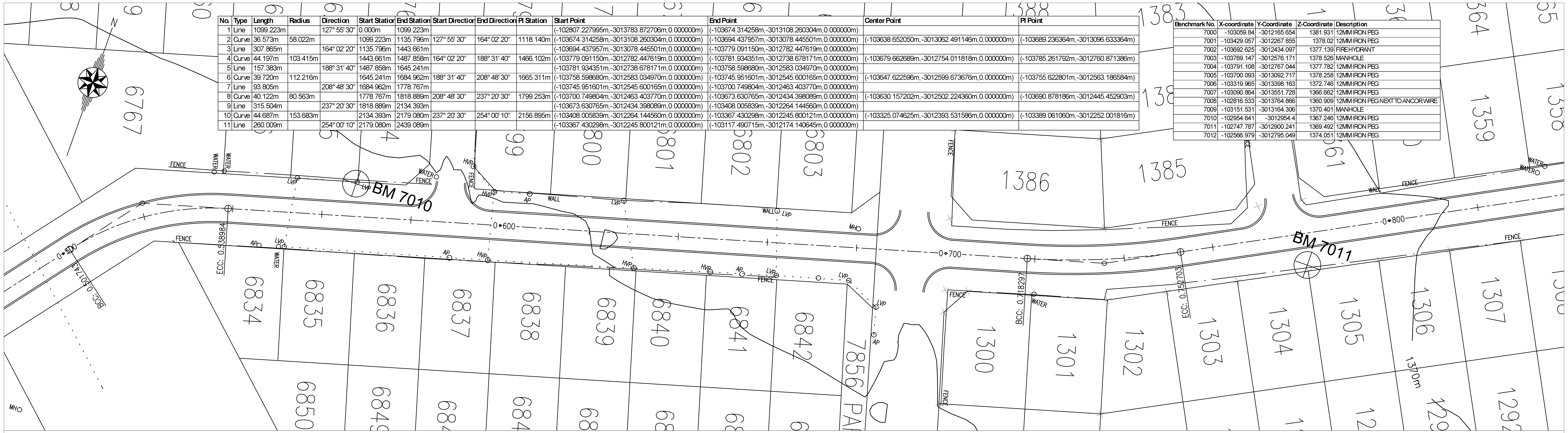
DRAWN
TEKROD CONSULTING ENGINEERS

CIVIL DRAUGHTING SERVICES
TEKROD CONSULTING ENGINEERS

LOCATION OF PROJECT:
NORTH WEST: WOLMARANSSTAD

DESCRIPTION OF PROJECT
UPGRADING OF GRAVEL ROAD TO BLOCK PAVING BETWEEN MAITEMOGELO TAXI ROUTE AND N12 ROAD 2 LAYOUT PLAN & LONG SECTION

CONTRACT No. : TBC
PROJECT No. : 001 - R
SCALE : 1:1000
DATE : JUNE - 2026
DRAWING NO. 003-W17-02
SHEET NO: 2OF4
REVISION 1

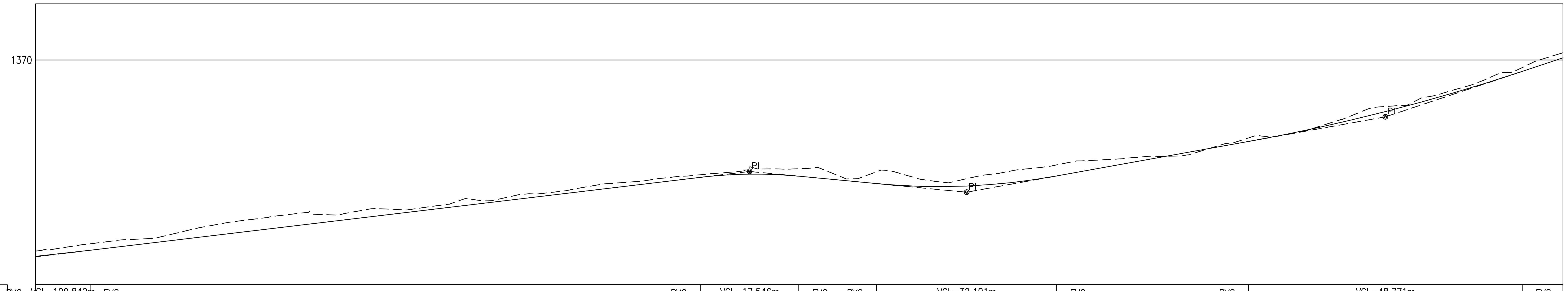


No.	Type	Length	Radius	Direction	Start Station	End Station	Start Direction	End Direction	PI Station	Start Point	End Point	Center Point	PI Point
1	Line	1099.223m		127° 55' 30"	0.000m	1099.223m				(-102807.227995m,-3013783.872706m,0.000000m)	(-103674.314258m,-3013108.260304m,0.000000m)		
2	Curve	36.573m	58.022m		1099.223m	1135.796m	127° 55' 30"	164° 02' 20"	1118.140m	(-103674.314258m,-3013108.260304m,0.000000m)	(-103694.437957m,-3013078.445501m,0.000000m)	(-103638.652050m,-3013062.491146m,0.000000m)	(-103689.236364m,-3013096.633364m)
3	Line	307.865m		164° 02' 20"	1135.796m	1443.661m				(-103694.437957m,-3013078.445501m,0.000000m)	(-103779.091150m,-3012782.447619m,0.000000m)		
4	Curve	44.197m	103.415m		1443.661m	1487.858m	164° 02' 20"	188° 31' 40"	1466.102m	(-103779.091150m,-3012782.447619m,0.000000m)	(-103781.934351m,-3012738.678171m,0.000000m)	(-103679.662689m,-3012754.011818m,0.000000m)	(-103785.261792m,-3012760.871386m)
5	Line	157.383m		188° 31' 40"	1487.858m	1645.241m				(-103781.934351m,-3012738.678171m,0.000000m)	(-103758.598680m,-3012583.034970m,0.000000m)		
6	Curve	39.720m	112.216m		1645.241m	1684.962m	188° 31' 40"	208° 48' 30"	1665.311m	(-103758.598680m,-3012583.034970m,0.000000m)	(-103745.951601m,-3012545.600165m,0.000000m)	(-103647.622596m,-3012599.673676m,0.000000m)	(-103755.622801m,-3012563.186584m)
7	Line	93.805m		208° 48' 30"	1684.962m	1778.767m				(-103745.951601m,-3012545.600165m,0.000000m)	(-103700.749804m,-3012463.403770m,0.000000m)		
8	Curve	40.122m	80.563m		1778.767m	1818.889m	208° 48' 30"	237° 20' 30"	1799.253m	(-103700.749804m,-3012463.403770m,0.000000m)	(-103673.630765m,-3012434.398089m,0.000000m)	(-103630.157202m,-3012502.224360m,0.000000m)	(-103690.878186m,-3012445.452903m)
9	Line	315.504m		237° 20' 30"	1818.889m	2134.393m				(-103673.630765m,-3012434.398089m,0.000000m)	(-103408.005839m,-3012264.144560m,0.000000m)		
10	Curve	44.687m	153.683m		2134.393m	2179.080m	237° 20' 30"	254° 00' 10"	2156.895m	(-103408.005839m,-3012264.144560m,0.000000m)	(-103367.430298m,-3012245.800121m,0.000000m)	(-103325.074625m,-3012393.531586m,0.000000m)	(-103389.061060m,-3012252.001816m)
11	Line	260.009m		254° 00' 10"	2179.080m	2439.089m				(-103367.430298m,-3012245.800121m,0.000000m)	(-103117.490715m,-3012174.140645m,0.000000m)		

Benchmark No.	X-coordinate	Y-Coordinate	Z-Coordinate	Description
7000	-103059.84	-3012165.654	1381.931	12MM IRON PEG
7001	-103429.057	-3012267.855	1378.02	12MM IRON PEG
7002	-103692.625	-3012434.097	1377.139	FIRE HYDRANT
7003	-103769.147	-3012576.171	1378.526	MANHOLE
7004	-103791.108	-3012767.044	1377.782	12MM IRON PEG
7005	-103700.093	-3013092.717	1378.258	12MM IRON PEG
7006	-103319.965	-3013398.163	1372.746	12MM IRON PEG
7007	-103090.864	-3013551.728	1366.662	12MM IRON PEG
7008	-102816.533	-3013764.866	1360.909	12MM IRON PEG NEXT TO ANCOR WIRE
7009	-103151.531	-3013164.306	1370.401	MANHOLE
7010	-102954.641	-3012954.4	1367.246	12MM IRON PEG
7011	-102747.787	-3012900.241	1369.492	12MM IRON PEG
7012	-102566.979	-3012795.049	1374.051	12MM IRON PEG

SCALES:
Horizontal 1:100
Vertical 1:10

DATUM 1366.000



VERTICAL PROFILE GRADES
BVC 0.444064 | VCL=109.842m K=66 | EVC 0.553907 | BVC 0.662583 | VCL=17.546m K=8 | EVC 0.680128 | BVC 0.693966 | VCL=32.101m K=12 | EVC 0.726067 | BVC 0.760229 | VCL=48.771m K=32 | EVC 0.809000
0.498985 1365.959 | 1.194% | 0.671355 1368.016 | −0.954% | 0.710017 1367.647 | 1.798% | 0.784614 1368.988 | 3.316%

FINAL DESIGN ROAD LEVELS
LEFT EDGE (HL): 1366.986, 1367.224, 1367.463, 1367.702, 1367.941, 1367.994, 1367.819, 1367.903, 1368.246, 1368.606, 1369.026, 1369.571
CENTRE LINE (CL): 1366.505, 1366.614, 1366.687, 1366.926, 1367.164, 1367.403, 1367.642, 1367.881, 1367.912, 1367.969, 1367.934, 1367.801, 1367.759, 1367.758, 1367.843, 1367.936, 1368.186, 1368.546, 1368.966, 1369.081, 1369.511, 1369.797, 1370.038
RIGHT EDGE (HR): 1366.866, 1367.104, 1367.343, 1367.582, 1367.821, 1367.874, 1367.699, 1367.783, 1368.126, 1368.486, 1368.906, 1369.451

GROUND LEVELS ON CL: 1366.802, 1367.130, 1367.282, 1367.510, 1367.701, 1367.796, 1367.934, 1368.064, 1367.929, 1368.054, 1368.265, 1368.288, 1368.605, 1369.067, 1369.557

SUPERELEVATION
LEFT ·······
RIGHT — —

HORIZONTAL ALIGNMENT
DIRECTION 254° 01' 10" | BCC 0.718297 | CURVE # LEFT/RIGHT R=163.202m I=247° 58' 40" | ECC 0.752703 | DIRECTION 241° 56' 20"

DISTANCE (km): 0.544, 0.554, 0.560, 0.580, 0.600, 0.620, 0.640, 0.660, 0.663, 0.671, 0.680, 0.694, 0.700, 0.710, 0.720, 0.726, 0.740, 0.760, 0.780, 0.785, 0.800, 0.809, 0.816

LONGSECTION ALIGNMENT 2
FROM 544.171 TO 816.256

NOTES AND SPECIFICATIONS

LEGEND

ROADS:

1. KERBING TO BE AS PER STANDARD DETAIL PLANS.

2. TRAFFIC CONTROL MUST COMPLY WITH THE REQUIREMENTS OF THE SOUTH AFRICAN ROAD TRAFFIC SIGNS MANUAL (THIRD EDITION).

3. ALL LEVELS TO BE CONFIRMED ON SITE.

STORMWATER

1. MINIMUM PIPE DIAMETER TO BE 450mm.

2. MINIMUM PIPE FALL TO BE 1:200(1%) UNLESS OTHERWISE APPROVED BY MUNICIPALITY.

3. PIPE BEDDING TO BE CLASS B UNLESS OTHERWISE SPECIFIED.

4. ALL EXCAVATIONS AND BEDDING MUST BE INSPECTED AND APPROVED BY THE ENGINEER BEFORE LAYING OF ANY PIPES.

5. CLEAN EXISTING STORMWATER INLETS AND REPAIR WHERE NECESSARY (IF APPLICABLE).
6. BELL MOUTHS TO HAVE FIG8c KERBS

SHEET LAYOUT

PROJECT STATUS

○ CONCEPT DRAWING ○ TENDER DRAWING ○ APPROVED FOR CONSTRUCTION DRAWING ○ ASBUILT DRAWING

AMENDMENTS

NR.	DATE	DESCRIPTION

CONSULTANTS DETAIL:
TEKROD CONSULTING ENGINEERS
21 RIVIER STREET
VILLA PEREZ
UNIT No.8
POTCHEFSTROOM
2531

TEL : 015 023 1118
eMAIL: admin@tekrodce.co.za
WEBSITE: www.Tekrod.co.za

CLIENT DETAIL:
MAQUASSI HILLS LOCAL
MUNICIPALITY

13 KRUGER STREET
PRIVATE BAG X 3
WOLMARANSSTAD
2630
TEL : 018 065 0010
FAX : 018 596 1555

DESIGNED
TEKROD CONSULTING ENGINEERS

DRAWING CHECKED BY
TEKROD CONSULTING ENGINEERS

DRAWN
TEKROD CONSULTING ENGINEERS

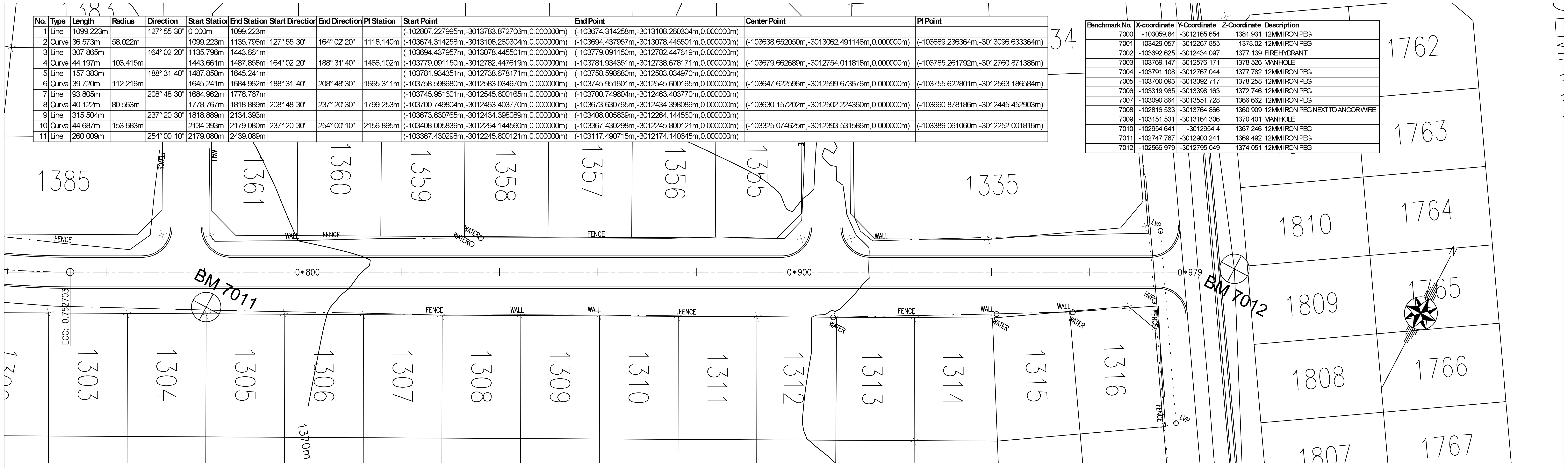
CIVIL DRAUGHTING SERVICES
TEKROD CONSULTING ENGINEERS

LOCATION OF PROJECT:
NORTH WEST: WOLMARANSSTAD

DESCRIPTION OF PROJECT
UPGRADING OF GRAVEL ROAD TO BLOCK PAVING BETWEEN MAITEMOGELO TAXI ROUTE AND N12 ROAD 2 LAYOUT PLAN & LONG SECTION

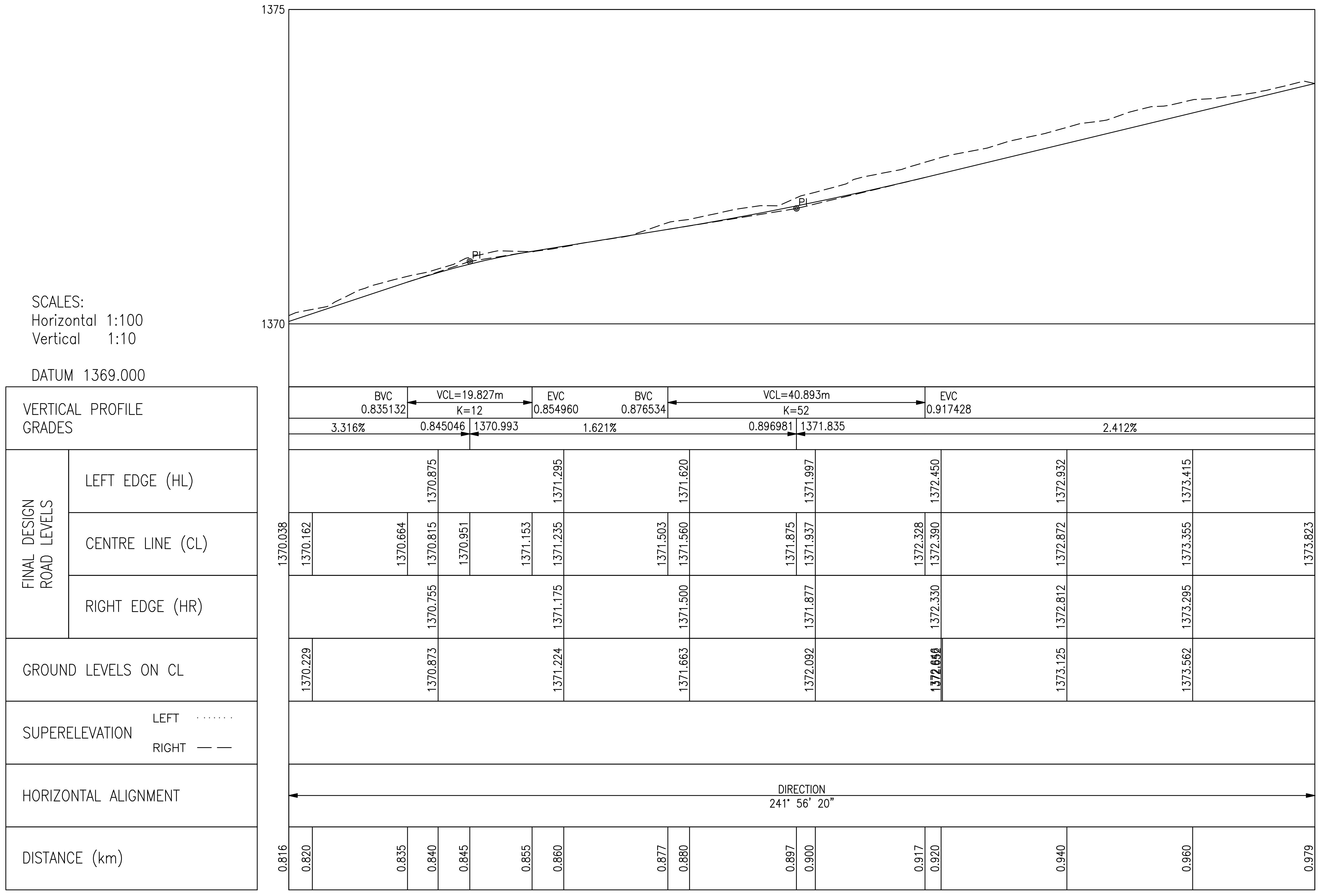
PROJECT ENGINEER:
INITIALS AND SURNAME | SIGNATURE & PR NUMBER | DATE
INSPECTOR OF WORKS:
SIGNATURE | DATE
REMARKS:
ORIGINAL PAPER SIZE: A1

CONTRACT No. : TBC
PROJECT No. : 001 - R
SCALE : 1:1000
DATE : JUNE - 2026
DRAWING NO. 003-W17-03
SHEET NO: 3OF4
REVISION 1



No.	Type	Length	Radius	Direction	Start Station	End Station	Start Direction	End Direction	PI Station	Start Point	End Point	Center Point	PI Point
1	Line	1099.223m		127° 55' 30"	0.000m	1099.223m				(-102807.227995m,-3013783.872706m,0.000000m)	(-103674.314258m,-3013108.260304m,0.000000m)		
2	Curve	36.573m	58.022m		1099.223m	1135.796m	127° 55' 30"	164° 02' 20"	1118.140m	(-103674.314258m,-3013108.260304m,0.000000m)	(-103694.437957m,-3013078.445501m,0.000000m)	(-103638.652050m,-3013062.491146m,0.000000m)	(-103689.236364m,-3013096.633364m)
3	Line	307.865m		164° 02' 20"	1135.796m	1443.661m				(-103694.437957m,-3013078.445501m,0.000000m)	(-103779.091150m,-3012782.447619m,0.000000m)		
4	Curve	44.197m	103.415m		1443.661m	1487.858m	164° 02' 20"	188° 31' 40"	1466.102m	(-103779.091150m,-3012782.447619m,0.000000m)	(-103781.934351m,-3012738.678171m,0.000000m)	(-103679.662689m,-3012754.011818m,0.000000m)	(-103785.261792m,-3012760.871386m)
5	Line	157.383m		188° 31' 40"	1487.858m	1645.241m				(-103781.934351m,-3012738.678171m,0.000000m)	(-103758.598680m,-3012583.034970m,0.000000m)		
6	Curve	39.720m	112.216m		1645.241m	1684.962m	188° 31' 40"	208° 48' 30"	1665.311m	(-103758.598680m,-3012583.034970m,0.000000m)	(-103745.951601m,-3012545.600165m,0.000000m)	(-103647.622596m,-3012599.673676m,0.000000m)	(-103755.622801m,-3012563.186584m)
7	Line	93.805m		208° 48' 30"	1684.962m	1778.767m				(-103745.951601m,-3012545.600165m,0.000000m)	(-103700.749804m,-3012463.403770m,0.000000m)		
8	Curve	40.122m	80.563m		1778.767m	1818.889m	208° 48' 30"	237° 20' 30"	1799.253m	(-103700.749804m,-3012463.403770m,0.000000m)	(-103673.630765m,-3012434.398089m,0.000000m)	(-103630.157202m,-3012502.224360m,0.000000m)	(-103690.878186m,-3012445.452903m)
9	Line	315.504m		237° 20' 30"	1818.889m	2134.393m				(-103673.630765m,-3012434.398089m,0.000000m)	(-103408.005839m,-3012264.144560m,0.000000m)		
10	Curve	44.687m	153.683m		2134.393m	2179.080m	237° 20' 30"	254° 00' 10"	2156.895m	(-103408.005839m,-3012264.144560m,0.000000m)	(-103367.430298m,-3012245.800121m,0.000000m)	(-103325.074625m,-3012393.531586m,0.000000m)	(-103389.061060m,-3012252.001816m)
11	Line	260.009m		254° 00' 10"	2179.080m	2439.089m				(-103367.430298m,-3012245.800121m,0.000000m)	(-103117.490715m,-3012174.140645m,0.000000m)		

Benchmark No.	X-coordinate	Y-Coordinate	Z-Coordinate	Description
7000	-103059.84	-3012165.654	1381.931	12MM IRON PEG
7001	-103429.057	-3012267.855	1378.02	12MM IRON PEG
7002	-103692.625	-3012434.097	1377.139	FIRE HYDRANT
7003	-103769.147	-3012576.171	1378.526	MANHOLE
7004	-103791.108	-3012767.044	1377.782	12MM IRON PEG
7005	-103700.093	-3013092.717	1378.258	12MM IRON PEG
7006	-103319.965	-3013398.163	1372.746	12MM IRON PEG
7007	-103090.864	-3013551.728	1366.662	12MM IRON PEG
7008	-102816.533	-3013764.866	1360.909	12MM IRON PEG NEXT TO ANCOR WIRE
7009	-103151.531	-3013164.306	1370.401	MANHOLE
7010	-102954.641	-3012954.4	1367.246	12MM IRON PEG
7011	-102747.787	-3012900.241	1369.492	12MM IRON PEG
7012	-102566.979	-3012795.049	1374.051	12MM IRON PEG



SCALES:
Horizontal 1:100
Vertical 1:10

DATUM 1369.000

DISTANCE (km)	LEFT EDGE (HL)	CENTRE LINE (CL)	RIGHT EDGE (HR)	GROUND LEVELS ON CL
0.816		1370.038		
0.820		1370.162		1370.229
0.835		1370.664		
0.840	1370.875	1370.815	1370.755	1370.873
0.845		1370.951		
0.855		1371.153		
0.860	1371.295	1371.235	1371.175	1371.224
0.877		1371.503		
0.880	1371.620	1371.560	1371.500	1371.663
0.897		1371.875		
0.900	1371.997	1371.937	1371.877	1372.092
0.917		1372.328		
0.920	1372.450	1372.390	1372.330	1372.650
0.940	1372.932	1372.872	1372.812	1373.125
0.960	1373.415	1373.355	1373.295	1373.562
0.979		1373.823		

LONGSECTION ALIGNMENT 2
FROM 816.256 TO 979.423

NOTES AND SPECIFICATIONS

LEGEND

ROADS:

1. KERBING TO BE AS PER STANDARD DETAIL PLANS.

2. TRAFFIC CONTROL MUST COMPLY WITH THE REQUIREMENTS OF THE SOUTH AFRICAN ROAD TRAFFIC SIGNS MANUAL (THIRD EDITION).

3. ALL LEVELS TO BE CONFIRMED ON SITE.

STORMWATER

1. MINIMUM PIPE DIAMETER TO BE 450mm.

2. MINIMUM PIPE FALL TO BE 1:200(1%) UNLESS OTHERWISE APPROVED BY MUNICIPALITY.

3. PIPE BEDDING TO BE CLASS B UNLESS OTHERWISE SPECIFIED.

4. ALL EXCAVATIONS AND BEDDING MUST BE INSPECTED AND APPROVED BY THE ENGINEER BEFORE LAYING OF ANY PIPES.

5. CLEAN EXISTING STORMWATER INLETS AND REPAIR WHERE NECESSARY (IF APPLICABLE).
6. BELL MOUTHS TO HAVE FIG8c KERBS

AMENDMENTS

NR.	DATE	DESCRIPTION

CONSULTANTS DETAIL:

TEKROD CONSULTING ENGINEERS
21 RIVIER STREET
VILLA PEREZ
UNIT No.8
POTCHEFSTROOM
2531

TEL : 015 023 1118
eMAIL: admin@tekrodce.co.za
WEBSITE: www.Tekrod.co.za

TEKROD
CONSULTING ENGINEERS

CLIENT DETAIL:

MAQUASSI HILLS LOCAL
MUNICIPALITY

13 KRUGER STREET
PRIVATE BAG X 3
WOLMARANSSTAD
2630
TEL : 018 065 0010
FAX : 018 596 1555

DESIGNED
TEKROD CONSULTING ENGINEERS

DRAWING CHECKED BY
TEKROD CONSULTING ENGINEERS

DRAWN
TEKROD CONSULTING ENGINEERS

CIVIL DRAUGHTING SERVICES
TEKROD CONSULTING ENGINEERS

LOCATION OF PROJECT:
NORTH WEST: WOLMARANSSTAD

DESCRIPTION OF PROJECT
UPGRADING OF GRAVEL ROAD TO BLOCK PAVING
BETWEEN MAITEMOGELO TAXI ROUTE AND N12
ROAD 2 LAYOUT PLAN & LONG SECTION

CONTRACT No. : TBC
PROJECT No. : 001 - R
SCALE : 1:1000
DATE : JUNE - 2026

SHEET LAYOUT

PROJECT STATUS

○ CONCEPT DRAWING ○ TENDER DRAWING ○ APPROVED FOR CONSTRUCTION DRAWING ○ ASBUILT DRAWING

PROJECT ENGINEER:
INITIALS AND SURNAME SIGNATURE & PR NUMBER DATE

INSPECTOR OF WORKS:
SIGNATURE DATE

REMARKS:

ORIGINAL PAPER SIZE: A1

DRAWING NO. 003-W17-04

SHEET NO: 4OF4

1 REVISION