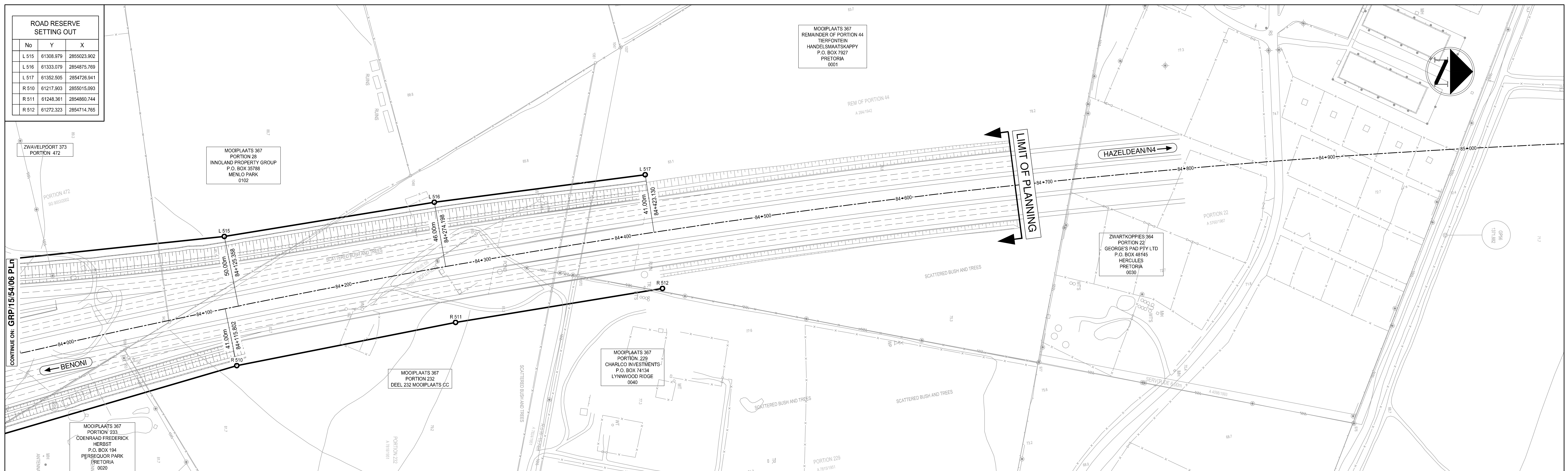


SURVEYED BY		DESIGNED BY		APPROVED		GAUTENG DEPARTMENT OF ROADS AND TRANSPORT		SCALE	FILE No.	DISTRICT	TYPE OF PLANNING
DEP DIR TECH SERVICES		HATCH		DESIGNED		PRELIMINARY DESIGN OF ROAD PWV17 BETWEEN K54 AND ROAD PWV6		2/1/12/3/1 - PWV17	TSHWANE		
SIGNATURE		Building No. 5, Alcori Office Park Corymboham Street, Gleditsiengate Port Elizabeth Tel: +27 41 373 6552 Fax: +27 41 373 6545		DRAWN		PWW17 LINE PLAN km 82.0 to km 84.0		AGREEMENT No.	PAD No./ROAD No.	PLAN No.	
DATE		DATE		CHECKED		DATE		DRT 13/03/2014	PWW17	GRP/15/54/06 PLn	

No	Y	X
L 415	60718.039	2856872.782
L 416	60753.847	2856751.524
L 417	60789.098	2856641.275
L 418	60826.662	2856531.793
L 419	60861.741	2856423.902
L 420	61018.533	2856304.305
L 421	61053.149	2855987.960
L 422	61101.190	2855947.585
L 511	61285.838	2855427.728
L 512	61289.134	2855373.231
L 513	61287.939	2855277.975
L 514	61292.322	2855182.812
R 420	60841.058	2856851.015
R 421	60875.479	2856727.392
R 422	60713.431	2856615.201
R 423	60750.057	2856505.417
R 424	60825.183	2856260.988
R 425	60852.007	2856156.117
R 426	60873.263	2856053.953
R 427	60878.176	2855901.634
R 428	60872.252	2855951.408
R 429	60864.409	2855893.941
R 506	61053.676	2855392.741
R 507	61092.782	2855356.771
R 508	61123.106	2855314.528
R 509	61144.322	2855267.053

ROAD RESERVE SETTING OUT		
No	Y	X
L 515	61309.879	285923.902
L 516	61333.079	2854875.769
L 517	61352.505	2854726.941
R 510	61217.903	2855015.093
R 511	61248.361	2854860.744
R 512	61272.323	2854714.765

CONTINUE ON: GRP/15/54/06 PLN



MOOIPLAATS 367
REMAINDER OF PORTION 44
BERPONTEN
HANDELSMAATSKAPPY
P.O. BOX 7827
PRETORIA
001

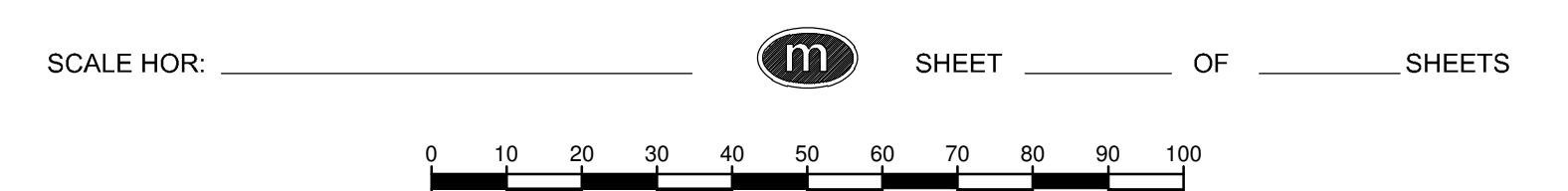
MOOIPLAATS 367
PORTION 23
INVLAND PROPERTY GROUP
P.O. BOX 35788
MENLO PARK
0162

ZWARTKOPPIES 364
PORTION 22
GEORGE'S PAD PTY LTD
P.O. BOX 48146
HERCULES
PRETORIA
0029

MOOIPLAATS 367
PORTION 229
CHARLCO INVESTMENTS
P.O. BOX 74134
LYNNWOOD RIDGE
0046

MOOIPLAATS 367
PORTION 232
DEEL 232 MOOIPLAATS CC

MOOIPLAATS 367
PORTION 233
COENRAAD FREDERICK
HERBST
P.O. BOX 194
PERSEQUOR PARK
PRETORIA
0020



SURVEYED BY		DESIGNED BY		APPROVED		GAUTENG DEPARTMENT OF ROADS AND TRANSPORT		SCALE		FILE No.		DISTRICT		TYPE OF PLANNING	
DEP DIR TECH SERVICES		HATCH		DESIGNED		for CONSULTING ENG.		GAUTENG PROVINCIAL GOVERNMENT		2/1/12/3/1 - PWV17		TSHWANE		PLAN No.	
SIGNATURE		SURVEY		DRAWN		for HEAD OF DEPT.				AGREEMENT No.		PAD No. /ROAD No.		PLAN No.	
DATE		DATE		CHECKED		DATE:				DRT 13/03/2014		PWV17		GRP/15/54/07 PLn	
No.	DATE	ADDITIONS	for HEAD OF DEPT.	DATE	DATE	DATE	DATE								

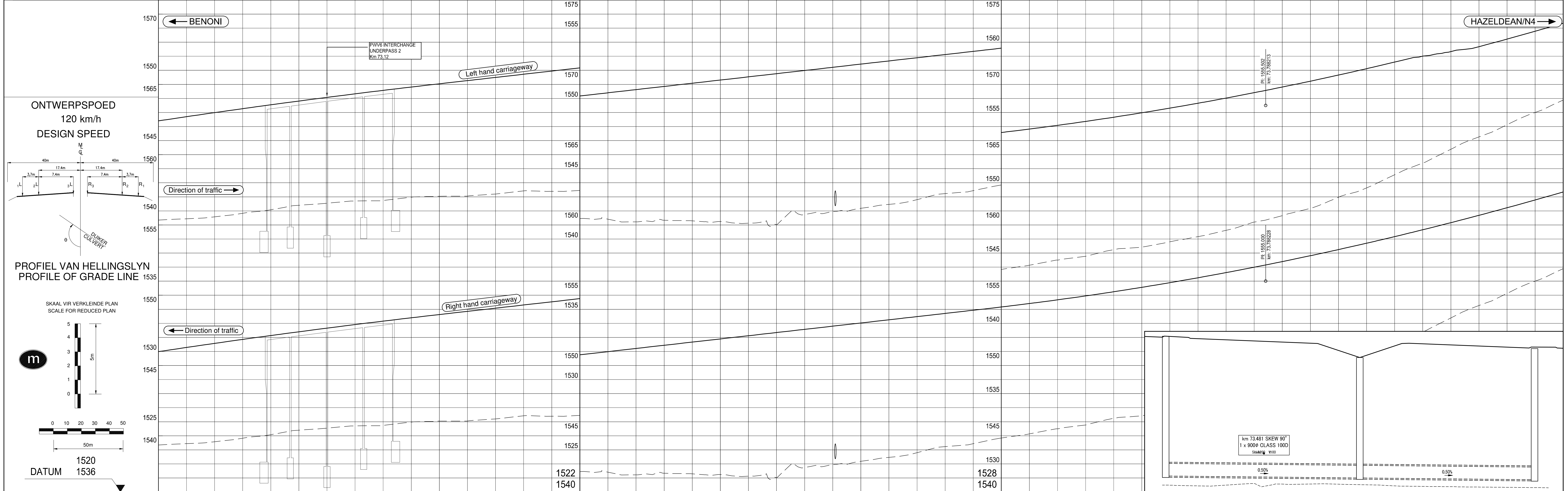
PLANNING No. GRP/15/54/07 PLn

VERTICAL CURVES/VERTIKALE BOE		VCL=500,000m K=539										VCL=400,000m K=232										
GRADE/HELLING		1.133%										2.860%										
FINALE PADHOOGTES FINAL ROAD LEVELS	L3 21.1m LEFT	1546,525	1546,503	1547,815	1547,869	1548,115	1548,249	1548,382	1548,515	1548,641	1548,762	1548,880	1548,941	1549,015	1549,091	1549,168	1549,244	1549,321	1549,398	1549,474	1549,551	1549,628
	L2 17.4m LEFT	1546,525	1546,503	1547,815	1547,869	1548,115	1548,249	1548,382	1548,515	1548,641	1548,762	1548,880	1548,941	1549,015	1549,091	1549,168	1549,244	1549,321	1549,398	1549,474	1549,551	1549,628
	L1 10.0m LEFT	1546,525	1546,503	1547,815	1547,869	1548,115	1548,249	1548,382	1548,515	1548,641	1548,762	1548,880	1548,941	1549,015	1549,091	1549,168	1549,244	1549,321	1549,398	1549,474	1549,551	1549,628
PENHOOGTES OP PENLYN STAKED LEVELS ON PEG LINE																						
GRONDHOOGTES GROUND LEVELS		1549,346																				
KILOMETERAFSTAND KILOMETRE DISTANCE		73000																				

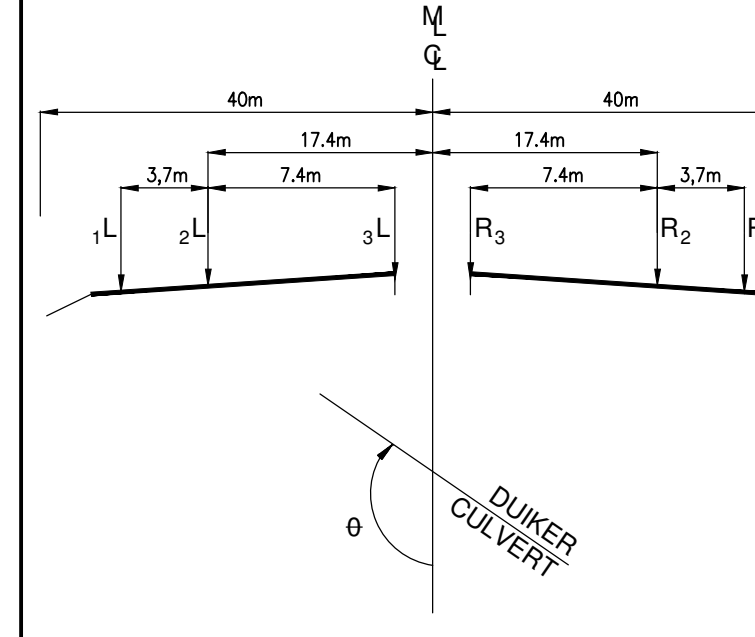
SKWAMRELING LINKS / GUARD RAIL LEFT
 RANSGESTREK OF BESTRAKING LINKS / KERB OR PAVING LEFT
 OEFPLAVINGSKANTERS LINKS / SURFACED SHOULDER LEFT
 OEFPLAVINGSKANTERS REGS / SURFACED SHOULDER RIGHT
 RANSGESTREK OF BESTRAKING REGS / KERB OR PAVING RIGHT
 SKWAMRELING REGS / GUARD RAIL RIGHT

VERWYSINGS PENNE LINKS
 REFERENCE PEGS LEFT

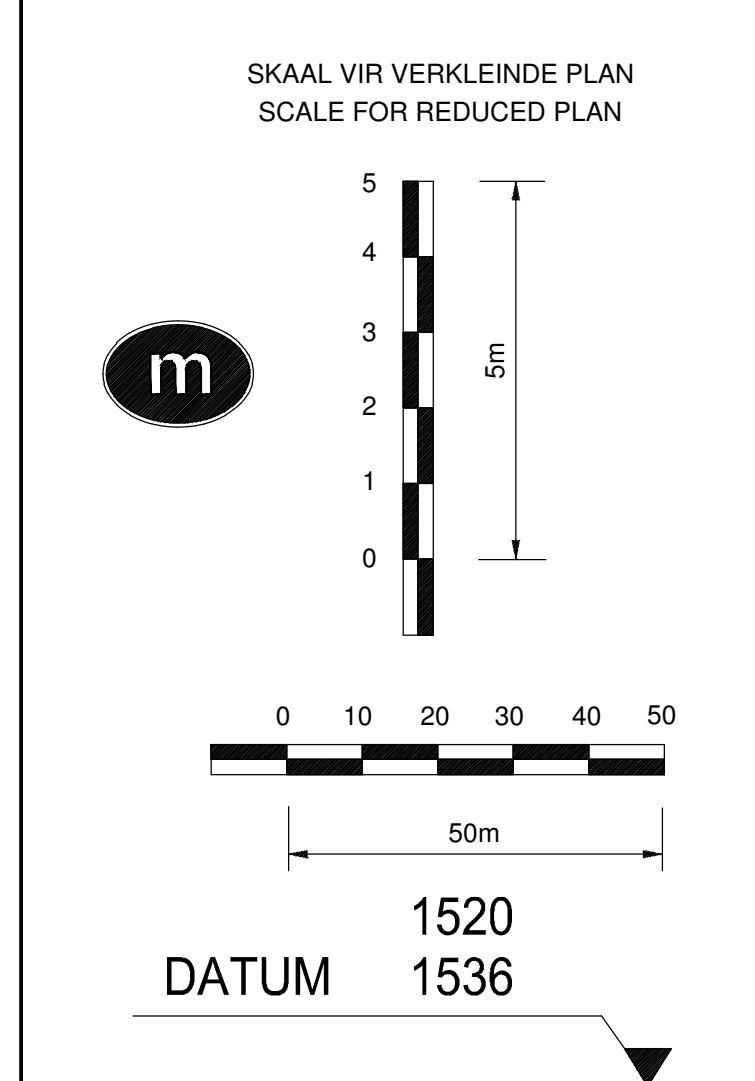
HORISONTALE BELYNING
 HORIZONTAL ALIGNMENT



ONTWERPSPOED
 120 km/h
 DESIGN SPEED



PROFIEL VAN HELLINGSLYN
 PROFILE OF GRADE LINE



VERTICAL CURVES/VERTIKALE BOE		VCL=500,000m K=539										VCL=400,000m K=232										
GRADE/HELLING		1.133%										2.860%										
FINALE PADHOOGTES FINAL ROAD LEVELS	R1 10.0m RIGHT	1546,525	1546,503	1547,815	1547,869	1548,115	1548,249	1548,382	1548,515	1548,641	1548,762	1548,880	1548,941	1549,015	1549,091	1549,168	1549,244	1549,321	1549,398	1549,474	1549,551	1549,628
	R2 17.4m RIGHT	1546,525	1546,503	1547,815	1547,869	1548,115	1548,249	1548,382	1548,515	1548,641	1548,762	1548,880	1548,941	1549,015	1549,091	1549,168	1549,244	1549,321	1549,398	1549,474	1549,551	1549,628
	R3 21.1m RIGHT	1546,525	1546,503	1547,815	1547,869	1548,115	1548,249	1548,382	1548,515	1548,641	1548,762	1548,880	1548,941	1549,015	1549,091	1549,168	1549,244	1549,321	1549,398	1549,474	1549,551	1549,628
PENHOOGTES OP PENLYN STAKED LEVELS ON PEG LINE																						
GRONDHOOGTES GROUND LEVELS		1549,346																				
KILOMETERAFSTAND KILOMETRE DISTANCE		73000																				

SKWAMRELING LINKS / GUARD RAIL LEFT
 RANSGESTREK OF BESTRAKING LINKS / KERB OR PAVING LEFT
 OEFPLAVINGSKANTERS LINKS / SURFACED SHOULDER LEFT
 OEFPLAVINGSKANTERS REGS / SURFACED SHOULDER RIGHT
 RANSGESTREK OF BESTRAKING REGS / KERB OR PAVING RIGHT
 SKWAMRELING REGS / GUARD RAIL RIGHT

VERWYSINGS PENNE REGS
 REFERENCE PEGS REGS

HORISONTALE BELYNING
 HORIZONTAL ALIGNMENT

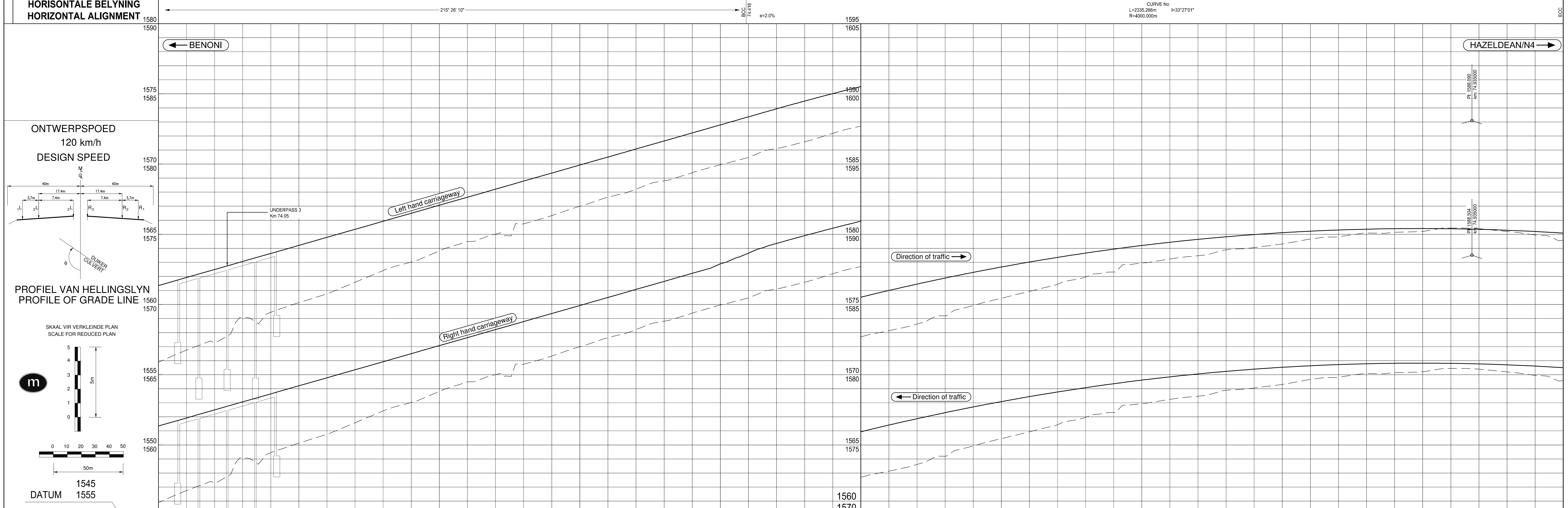
KILOMETER AFSTAND GROOTTE EN HOEK
 KILOMETRE DISTANCE SIZE AND ANGLE

DESIGNED BY HATCH Building No. 5, Ascot Office Park Coryngham Street, Glendinningvale Port Elizabeth Tel: +27 41 373 6552 Fax: +27 41 373 6545		APPROVED for CONSULTING ENG. for HEAD OF DEPT.		GAUTENG DEPARTMENT OF ROADS AND TRANSPORT PRELIMINARY DESIGN OF ROAD PWV17 BETWEEN K54 AND ROAD PWV6 LONGITUDINAL SECTION km 73.0 to km 74.0		SCALE 2/1/1/2/3/1 - PWV17		FILE No. 2/1/1/2/3/1 - PWV17		DISTRICT TSHWANE		TYPE OF PLANNING PRELIMINARY DESIGN	
SIGNATURE		DATE		DATE		DATE		AGREEMENT No. DRT 13/03/2014		PAD No. / ROAD No. PWV17		PLAN No. GRP/15/54/02 PLs	

VERTICAL CURVES/VERTIKALE BOE		GRADE/HELLING		LINKS		RIGHTS	
FINALE PADHOOGTES FINAL ROAD LEVELS		L3 21.1m	LINKS LEFT	L2 17.4m	LINKS LEFT	R1 10.0m	RIGHTS RIGHT
PENHOOGTES OP PENLYN STAKED LEVELS ON PEG LINE							
GRONDHOOGTES GROUND LEVELS		m LINKS VAN MEDIAANLYN m LEFT OF MEDIAN LINE		m REGS VAN MEDIAANLYN m RIGHT OF MEDIAN LINE			
KILOMETERAFSTAND KILOMETRE DISTANCE							

SKARWELING LINKS / GUARD RAIL LEFT	
RANDSTEEN OF BESTRAATINGS LINKS / KERB OR PAVING LEFT	
OPGEWIDE SPOUWER LINKS / SURFACED SHOULDER LEFT	
OPGEWIDE SPOUWER REGS / SURFACED SHOULDER RIGHT	
RANDSTEEN OF BESTRAATINGS REGS / KERB OR PAVING RIGHT	
SKARWELING REGS / GUARD RAIL RIGHT	

VERWYSINGS PENNE LINKS REFERENCE PEGS LEFT	
HORIZONTAL BELYNING HORIZONTAL ALIGNMENT	



VERTICAL CURVES/VERTIKALE BOE		GRADE/HELLING		LINKS		RIGHTS	
FINALE PADHOOGTES FINAL ROAD LEVELS		R1 10.0m	RIGHTS RIGHT	R2 17.4m	RIGHTS RIGHT	R3 21.1m	RIGHTS RIGHT
PENHOOGTES OP PENLYN STAKED LEVELS ON PEG LINE							
GRONDHOOGTES GROUND LEVELS		m REGS VAN MEDIAANLYN m RIGHT OF MEDIAN LINE		m LINKS VAN MEDIAANLYN m LEFT OF MEDIAN LINE			
KILOMETERAFSTAND KILOMETRE DISTANCE							

SKARWELING LINKS / GUARD RAIL LEFT	
RANDSTEEN OF BESTRAATINGS LINKS / KERB OR PAVING LEFT	
OPGEWIDE SPOUWER LINKS / SURFACED SHOULDER LEFT	
OPGEWIDE SPOUWER REGS / SURFACED SHOULDER RIGHT	
RANDSTEEN OF BESTRAATINGS REGS / KERB OR PAVING RIGHT	
SKARWELING REGS / GUARD RAIL RIGHT	

VERWYSINGS PENNE REGS REFERENCE PEGS RIGHT	
HORIZONTAL BELYNING HORIZONTAL ALIGNMENT	

KILOMETER AFSTAND GROOTTE EN HOEK	
KILOMETRE DISTANCE SIZE AND ANGLE	

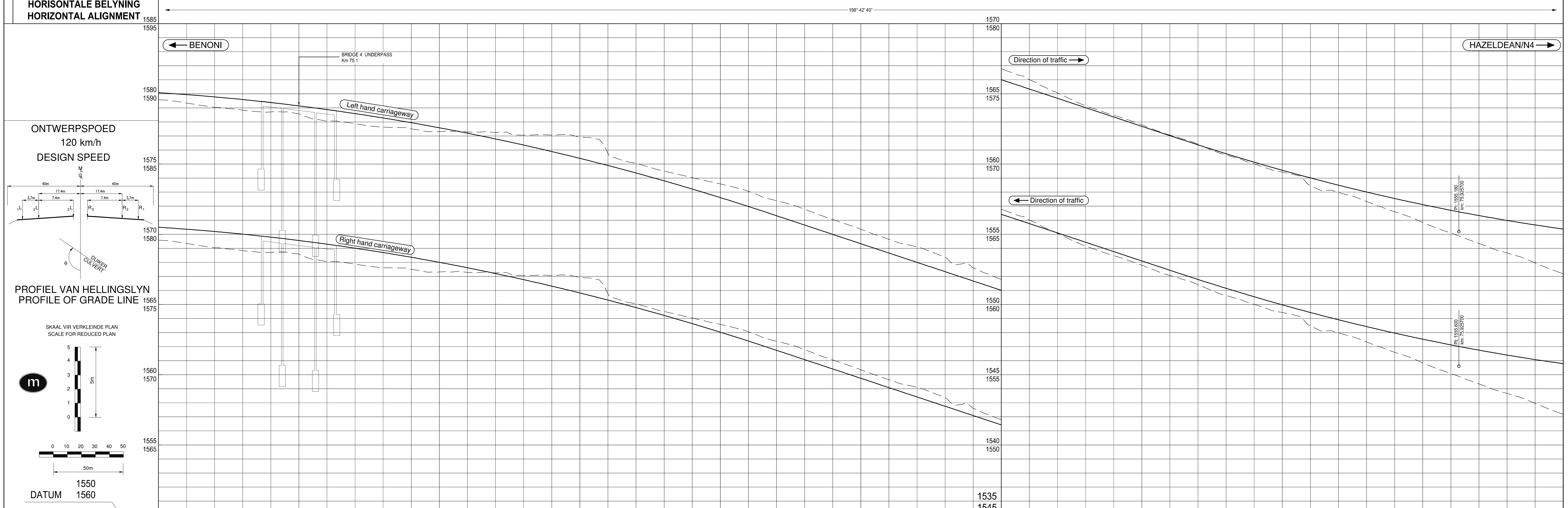
DESIGNED BY HATCH Building No. 5, Ascot Office Park Coryngnam Street, Glendinningvale Port Elizabeth Tel: +27 41 373 6552 Fax: +27 41 373 6545		APPROVED DESIGNED DRAWN CHECKED		GAUTENG DEPARTMENT OF ROADS AND TRANSPORT PRELIMINARY DESIGN OF ROAD PWV17 BETWEEN K54 AND ROAD PWV6 LONGITUDINAL SECTION km 74.0 to km 75.0		SCALE FILE No. 2/1/12/3/1 - PWV17 AGREEMENT No. DRT 13/03/2014		DISTRICT TSHWANE PAD No. / ROAD No. PWV17		TYPE OF PLANNING PRELIMINARY DESIGN PLAN No. GRP/15/54/03 PLs	
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No.	DATE	ADDMENDMENTS	for HEAD OF DEPT.	DATE	SURVEYED BY SIGNATURE	DATE	DESIGNED BY SIGNATURE	DATE	CHECKED BY SIGNATURE	DATE
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VERTICAL CURVES/VERTIKALE BOE		GRADE/HELLING	
FINALE PADHOOGTES FINAL ROAD LEVELS	L3 21.1m LEFT	1580.511	1579.070
	L2 17.4m LEFT	1580.505	1579.144
	L1 10.0m LEFT	1580.533	1579.292
PENHOOGTES OP PENLYN STAKED LEVELS ON PEG LINE			
GRONDOOGTES GROUND LEVELS	m LINKS VAN MEDIAANLYN m LEFT OF MEDIAN LINE	1579.502	1579.509
KILOMETERAFSTAND KILOMETRE DISTANCE		75000	75000

SKAWREILING LINKS / GUARD RAIL LEFT	
RANDSTEEN OF BESTRATING LINKS / KERB OR PAVING LEFT	
OPPLAVINGSBREDTE LINKS / SURFACED SHOULDER LEFT	
OPPLAVINGSBREDTE REGS / SURFACED SHOULDER RIGHT	
RANDSTEEN OF BESTRATING REGS / KERB OR PAVING RIGHT	
SKAWREILING REGS / GUARD RAIL RIGHT	

VERWYSINGS PENNE LINKS REFERENCE PEGS LEFT	
HORISONTALE BELYNING HORIZONTAL ALIGNMENT	198° 42' 40"



VERTICAL CURVES/VERTIKALE BOE		GRADE/HELLING	
FINALE PADHOOGTES FINAL ROAD LEVELS	R1 10.0m RIGHT	1580.533	1579.412
	R2 17.4m RIGHT	1580.531	1579.560
	R3 21.1m RIGHT	1580.575	1579.853
PENHOOGTES OP PENLYN STAKED LEVELS ON PEG LINE			
GRONDOOGTES GROUND LEVELS	m REGS VAN MEDIAANLYN m RIGHT OF MEDIAN LINE	1579.502	1579.509
KILOMETERAFSTAND KILOMETRE DISTANCE		75000	75000

SKAWREILING LINKS / GUARD RAIL LEFT	
RANDSTEEN OF BESTRATING LINKS / KERB OR PAVING LEFT	
OPPLAVINGSBREDTE LINKS / SURFACED SHOULDER LEFT	
OPPLAVINGSBREDTE REGS / SURFACED SHOULDER RIGHT	
RANDSTEEN OF BESTRATING REGS / KERB OR PAVING RIGHT	
SKAWREILING REGS / GUARD RAIL RIGHT	

VERWYSINGS PENNE REGS REFERENCE PEGS RIGHT	
HORISONTALE BELYNING HORIZONTAL ALIGNMENT	198° 42' 40"

KILOMETER AFSTAND GROOTTE EN HOEK	
KILOMETRE DISTANCE SIZE AND ANGLE	

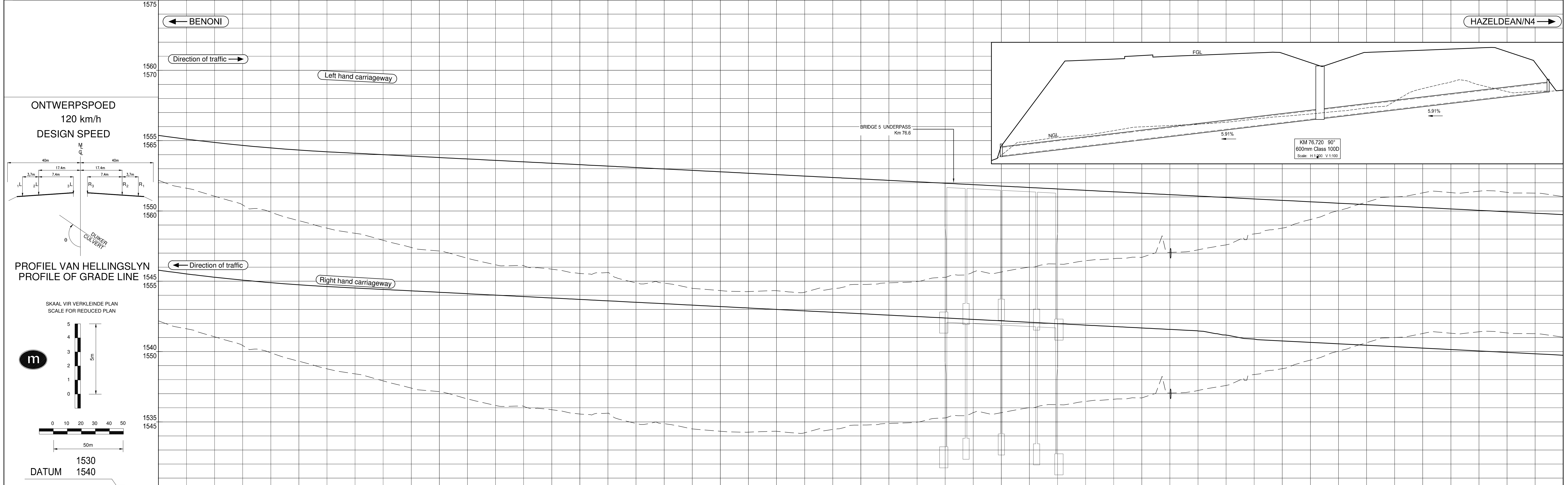
DRENERING DRAINAGE	SURVEYED BY DEP DIR TECH SERVICES	DESIGNED BY HATCH Building No. 5, Ascot Office Park Coryngham Street, Glendinningvale Port Elizabeth Tel: +27 41 373 6552 Fax: +27 41 373 6545	APPROVED DESIGNED DRAWN CHECKED	GAUTENG DEPARTMENT OF ROADS AND TRANSPORT PRELIMINARY DESIGN OF ROAD PWV17 BETWEEN K54 AND ROAD PWV6 LONGITUDINAL SECTION km 75.0 to km 76.0	SCALE	FILE No. 2/1/1/2/3/1 - PWV17	DISTRICT TSHWANE	TYPE OF PLANNING PRELIMINARY DESIGN
No.	DATE	ADDITIONS	for HEAD OF DEPT.	DATE	SIGNATURE	DATE	DATE	DATE

VERTICAL CURVES/VERTIKALE BOE		GRADE/HELLING	
VCL=400,000m K=142		-0,508%	
FINALE PADHOOGTES FINAL ROAD LEVELS	L3 21.1m LEFT	1552,526	1552,526
	L2 17.4m LEFT	1553,370	1554,256
	L1 10.0m LEFT	1555,618	1557,191
PENHOOGTES OP PENLYN STAKED LEVELS ON PEG LINE			
GRONDHOOGTES GROUND LEVELS	m LINKS VAN MEDIAANLYN m LEFT OF MEDIAN LINE	1552,101	1557,191
KILOMETERAFSTAND KILOMETRE DISTANCE		76000	77000

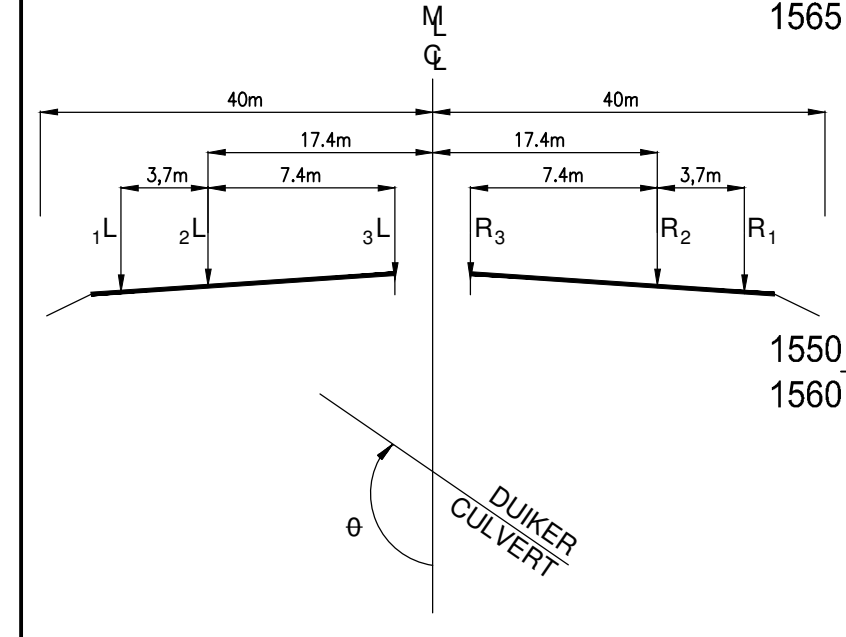
SKARWELING LINKS / GUARD RAIL LEFT	
RANDSTEEN OF BESTRAATINGS LINKS / KERB OR PAVING LEFT	
OPGEWIDE SHOULDER LINKS / SURFACED SHOULDER LEFT	
OPGEWIDE SHOULDER REGS / SURFACED SHOULDER RIGHT	
RANDSTEEN OF BESTRAATINGS REGS / KERB OR PAVING RIGHT	
SKARWELING REGS / GUARD RAIL RIGHT	

VERWYSINGS PENNE LINKS REFERENCE PEGS LEFT	
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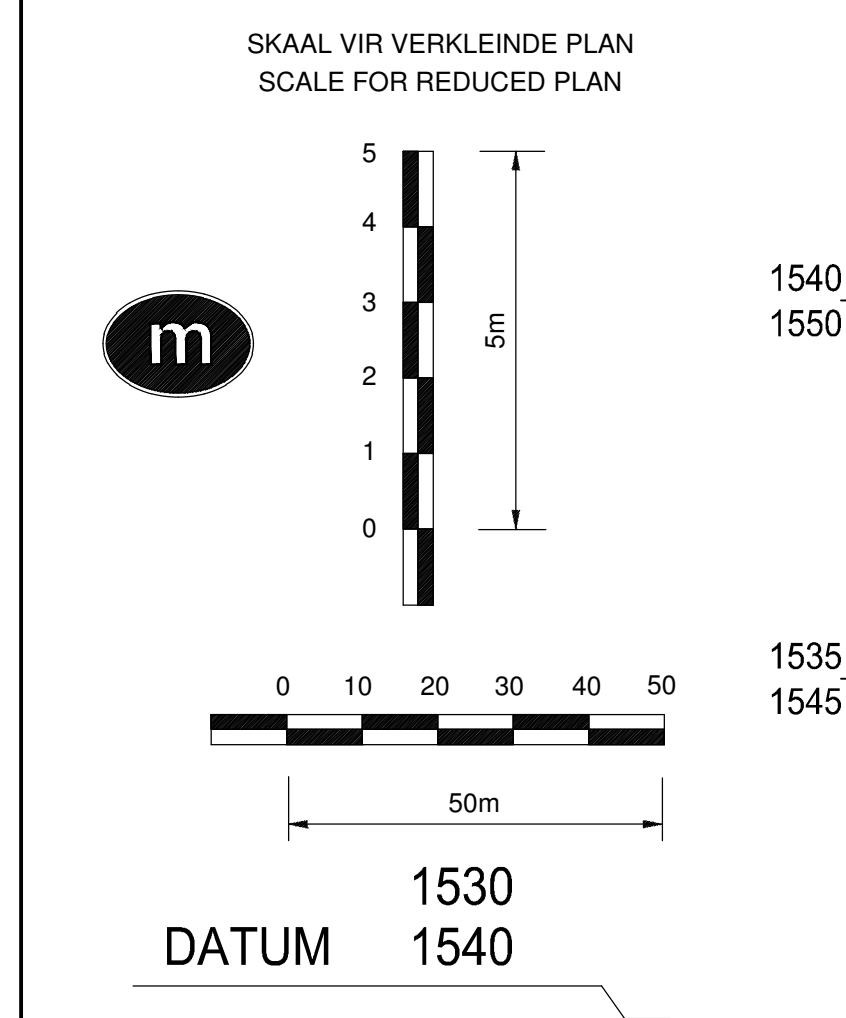
HORISONTALE BELYNING HORIZONTAL ALIGNMENT	CURVE No L=2335,266m R=4000,000m I=33°27'01"
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ONTWERPSPOED
120 km/h
DESIGN SPEED



PROFIEL VAN HELLINGSLYN
PROFILE OF GRADE LINE



VERTICAL CURVES/VERTIKALE BOE		GRADE/HELLING	
VCL=400,000m K=142		-0,508%	
FINALE PADHOOGTES FINAL ROAD LEVELS	R1 10.0m RIGHT	1552,526	1552,526
	R2 17.4m RIGHT	1553,370	1554,256
	R3 21.1m RIGHT	1555,618	1557,191
PENHOOGTES OP PENLYN STAKED LEVELS ON PEG LINE			
GRONDHOOGTES GROUND LEVELS	m REGS VAN MEDIAANLYN m RIGHT OF MEDIAN LINE	1552,101	1557,191
KILOMETERAFSTAND KILOMETRE DISTANCE		76000	77000

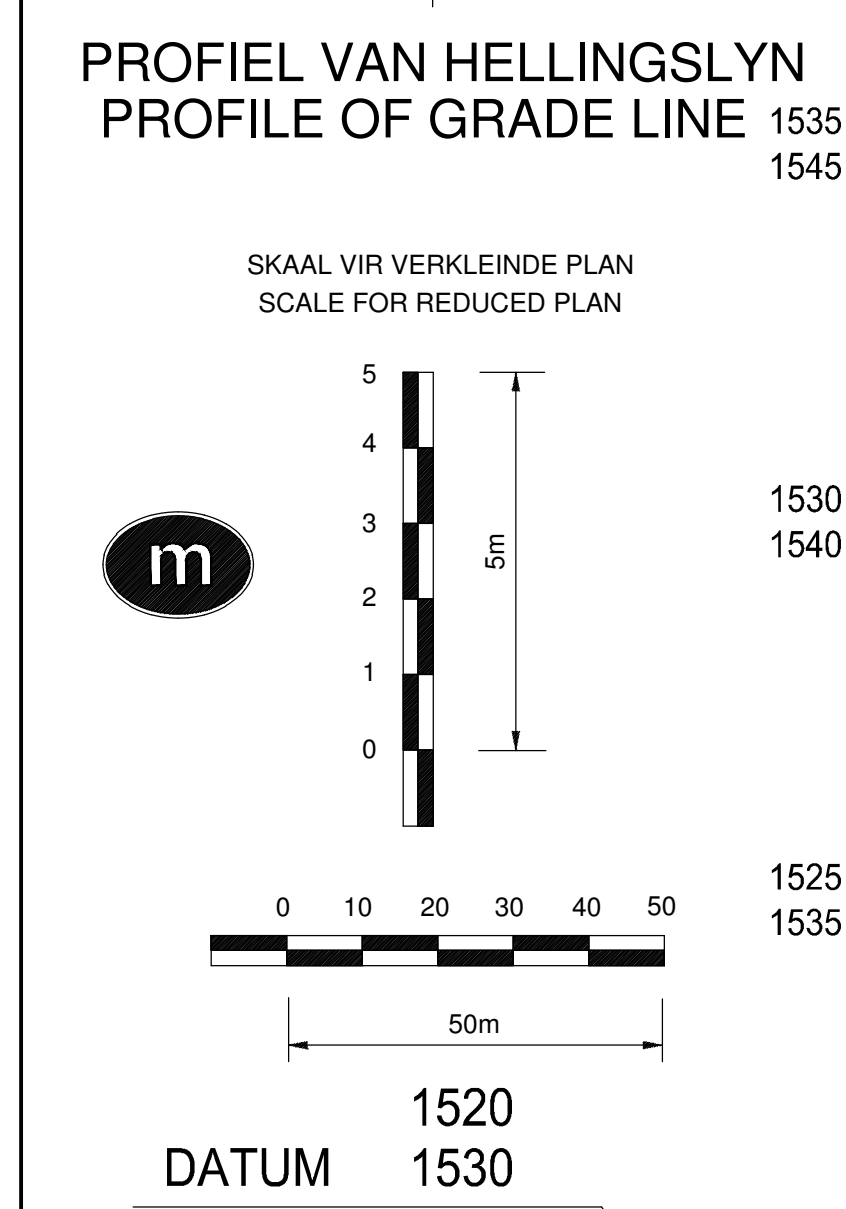
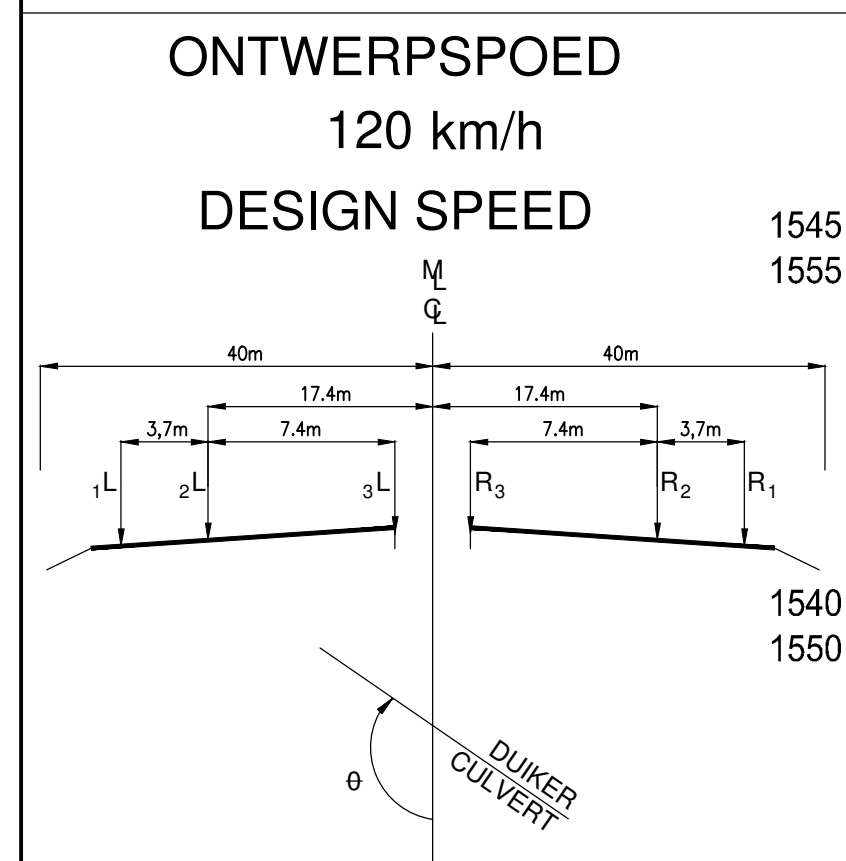
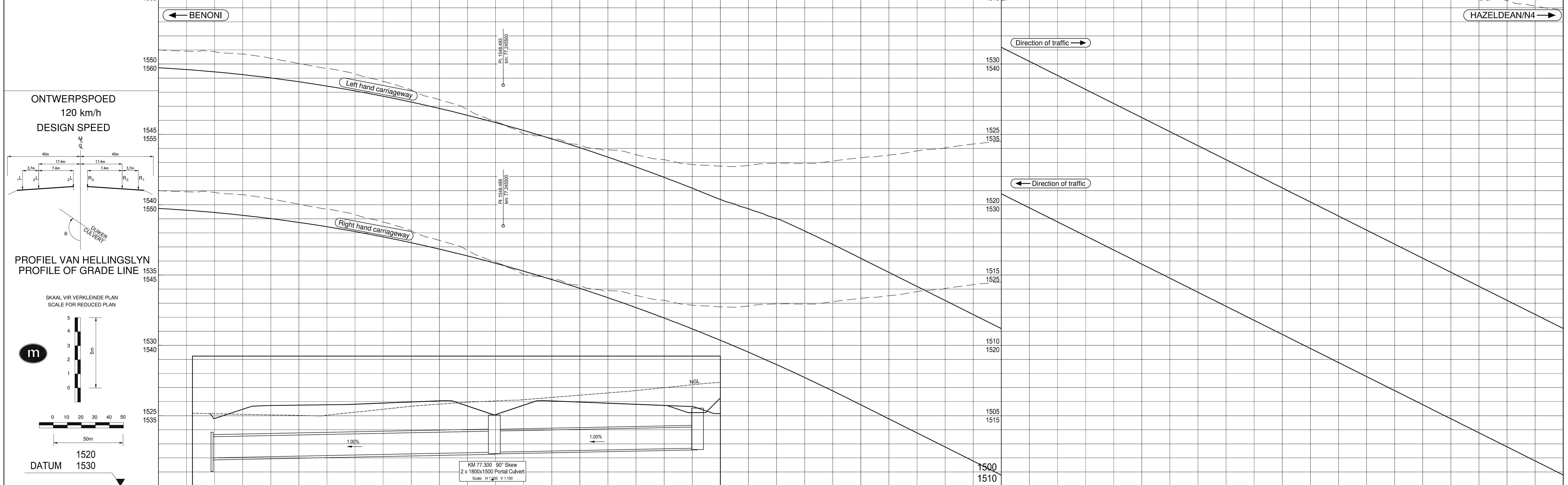
DRENERING DRAINAGE		KILOMETER AFSTAND GROOTTE EN HOEK KILOMETRE DISTANCE SIZE AND ANGLE		SURVEYED BY		DESIGNED BY		APPROVED		GAUTENG DEPARTMENT OF ROADS AND TRANSPORT		SCALE		FILE No.		DISTRICT		TYPE OF PLANNING	
				DEP DIR TECH SERVICES		HATCH		DESIGNED		PRELIMINARY DESIGN OF ROAD PWV17 BETWEEN K54 AND ROAD PWV6		1:1000		2/1/12/3/1 - PWV17		TSHWANE		PRELIMINARY DESIGN	
				SIGNATURE		Building No. 5, Ascot Office Park Coryngham Street, Gleditzingate Port Elizabeth Tel: +27 41 373 6552 Fax: +27 41 373 6545		DRAWN		LONGITUDINAL SECTION km 76.0 to km 77.0				AGREEMENT No.		PAD No. /ROAD No.		PLAN No.	
No.		DATE		ADAMMENTS		for HEAD OF DEPT.		DATE		DATE		DATE		DRT 13/03/2014		PWV17		GRP/15/54/05 PLs	

VERTICAL CURVES/VERTIKALE BOE		GRADE/HELLING	
FINALE PADHOOGTES FINAL ROAD LEVELS	L3 21.1m LINKS LEFT	1548.863	1548.866
	L2 17.4m LINKS LEFT	1548.893	1548.910
	L1 10.0m LINKS LEFT	1548.923	1548.953
PENHOOGTES OP PENLYN STAKED LEVELS ON PEG LINE			
GRONDOOGTES GROUND LEVELS	m LINKS VAN MEDIAANLYN m LEFT OF MEDIAN LINE	1551.022	
KILOMETERAFSTAND KILOMETRE DISTANCE		77000	78000

SKARRELING LINKS / GUARD RAIL LEFT	
RANDSTEEN OF BESTRATING LINKS / KERB OR PAVING LEFT	
OPGEWIDE SPOUWER LINKS / SURFACED SHOULDER LEFT	
OPGEWIDE SPOUWER REGS / SURFACED SHOULDER RIGHT	
RANDSTEEN OF BESTRATING REGS / KERB OR PAVING RIGHT	
SKARRELING REGS / GUARD RAIL RIGHT	

VERWYSINGS PENNE LINKS REFERENCE PEGS LEFT	
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HORISONTALE BELYNING HORIZONTAL ALIGNMENT	181° 59' 10"	e=2.0%	CURVE No L=1122.708m R=4000.000m I=16°04'54"
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VERTICAL CURVES/VERTIKALE BOE		GRADE/HELLING	
FINALE PADHOOGTES FINAL ROAD LEVELS	R1 10.0m REGS RIGHT	1548.863	1548.866
	R2 17.4m REGS RIGHT	1548.893	1548.910
	R3 21.1m REGS RIGHT	1548.923	1548.953
PENHOOGTES OP PENLYN STAKED LEVELS ON PEG LINE			
GRONDOOGTES GROUND LEVELS	m REGS VAN MEDIAANLYN m RIGHT OF MEDIAN LINE	1551.022	
KILOMETERAFSTAND KILOMETRE DISTANCE		77000	78000

SKARRELING LINKS / GUARD RAIL LEFT	
RANDSTEEN OF BESTRATING LINKS / KERB OR PAVING LEFT	
OPGEWIDE SPOUWER LINKS / SURFACED SHOULDER LEFT	
OPGEWIDE SPOUWER REGS / SURFACED SHOULDER RIGHT	
RANDSTEEN OF BESTRATING REGS / KERB OR PAVING RIGHT	
SKARRELING REGS / GUARD RAIL RIGHT	

VERWYSINGS PENNE REGS REFERENCE PEGS RIGHT	
---	--

HORISONTALE BELYNING HORIZONTAL ALIGNMENT	181° 59' 10"	e=2.0%	CURVE No L=1122.708m R=4000.000m I=16°04'54"
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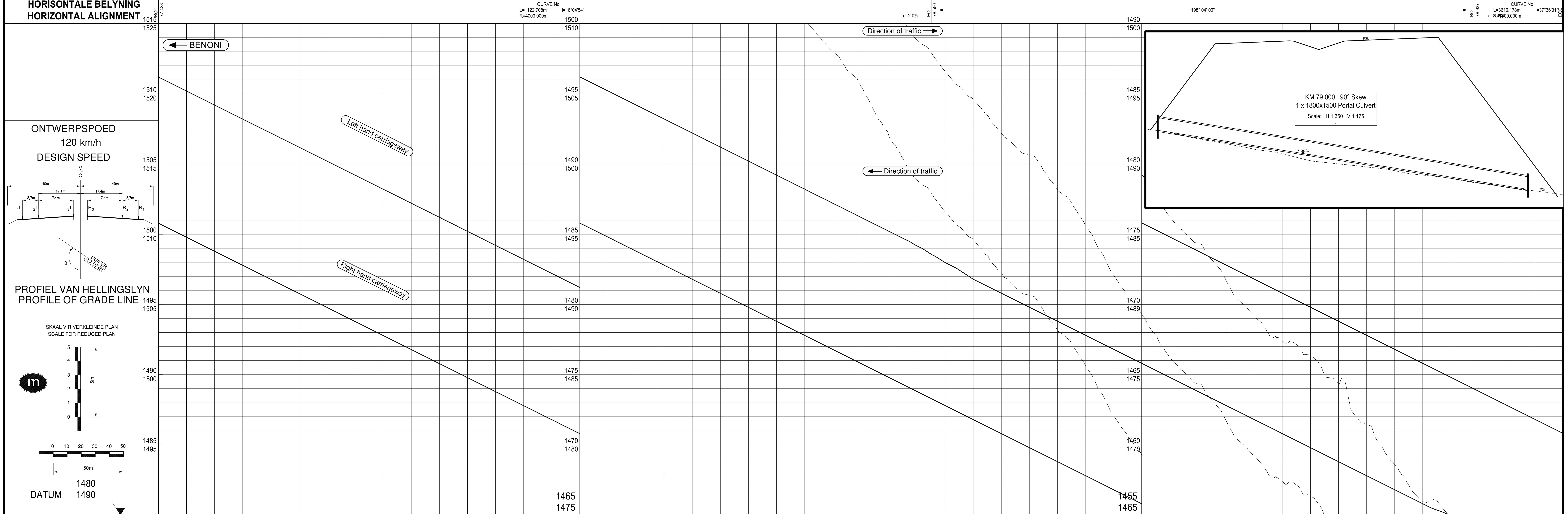
KILOMETER AFSTAND GROOTTE EN HOEK	
KILOMETRE DISTANCE SIZE AND ANGLE	

DRENERING DRAINAGE	SURVEYED BY DEP DIR TECH SERVICES	DESIGNED BY HATCH Building No. 5, Ascot Office Park Coryngham Street, Glendinninggate Port Elizabeth Tel: +27 41 373 6552 Fax: +27 41 373 6545	APPROVED DESIGNED DRAWN CHECKED	GAUTENG DEPARTMENT OF ROADS AND TRANSPORT PRELIMINARY DESIGN OF ROAD PWV17 BETWEEN K54 AND ROAD PWV6 LONGITUDINAL SECTION km 77.0 to km 78.0	SCALE	FILE No. 2/1/12/3/1 - PWV17	DISTRICT TSHWANE	TYPE OF PLANNING PRELIMINARY DESIGN
No.	DATE	ADDMENDMENTS	for HEAD OF DEPT.	DATE	DATE	DATE	DATE	DATE

VERTICAL CURVES/VERTIKALE BOE		GRADE/HELLING	
FINALE PADHOOGTES FINAL ROAD LEVELS	L3 21.1m LEFT	1511.652	1517.274
	L2 17.4m LEFT	1501.200	1506.202
	L1 10.0m LEFT	1490.748	1495.750
PENHOOGTES OP PENLYN STAKED LEVELS ON PEG LINE			
GRONDHOOGTES GROUND LEVELS	m LINKS VAN MEDIAANLYN m LEFT OF MEDIAN LINE	1540.859	1544.479
KILOMETERAFSTAND KILOMETRE DISTANCE		78000	79000

SKAWRELING LINKS / GUARD RAIL LEFT
 RANSGESTEEN OF BESTRAALING LINKS / KERB OR PAVING LEFT
 OPLAATDE SKOUDER LINKS / SURFACED SHOULDER LEFT
 OPLAATDE SKOUDER REGS / SURFACED SHOULDER RIGHT
 RANSGESTEEN OF BESTRAALING REGS / KERB OR PAVING RIGHT
 SKAWRELING REGS / GUARD RAIL RIGHT

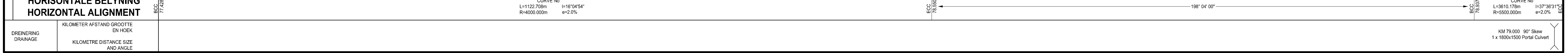
VERWYSINGS PENNE LINKS REFERENCE PEGS LEFT	
HORISONTALE BELYNING HORIZONTAL ALIGNMENT	1515



VERTICAL CURVES/VERTIKALE BOE		GRADE/HELLING	
FINALE PADHOOGTES FINAL ROAD LEVELS	R1 10.0m RIGHT	1500.852	1506.202
	R2 17.4m RIGHT	1490.748	1495.750
	R3 21.1m RIGHT	1480.296	1485.298
PENHOOGTES OP PENLYN STAKED LEVELS ON PEG LINE			
GRONDHOOGTES GROUND LEVELS	m REGS VAN MEDIAANLYN m RIGHT OF MEDIAN LINE	1540.859	1544.479
KILOMETERAFSTAND KILOMETRE DISTANCE		78000	79000

SKAWRELING LINKS / GUARD RAIL LEFT
 RANSGESTEEN OF BESTRAALING LINKS / KERB OR PAVING LEFT
 OPLAATDE SKOUDER LINKS / SURFACED SHOULDER LEFT
 OPLAATDE SKOUDER REGS / SURFACED SHOULDER RIGHT
 RANSGESTEEN OF BESTRAALING REGS / KERB OR PAVING RIGHT
 SKAWRELING REGS / GUARD RAIL RIGHT

VERWYSINGS PENNE REGS REFERENCE PEGS RIGHT	
HORISONTALE BELYNING HORIZONTAL ALIGNMENT	1485

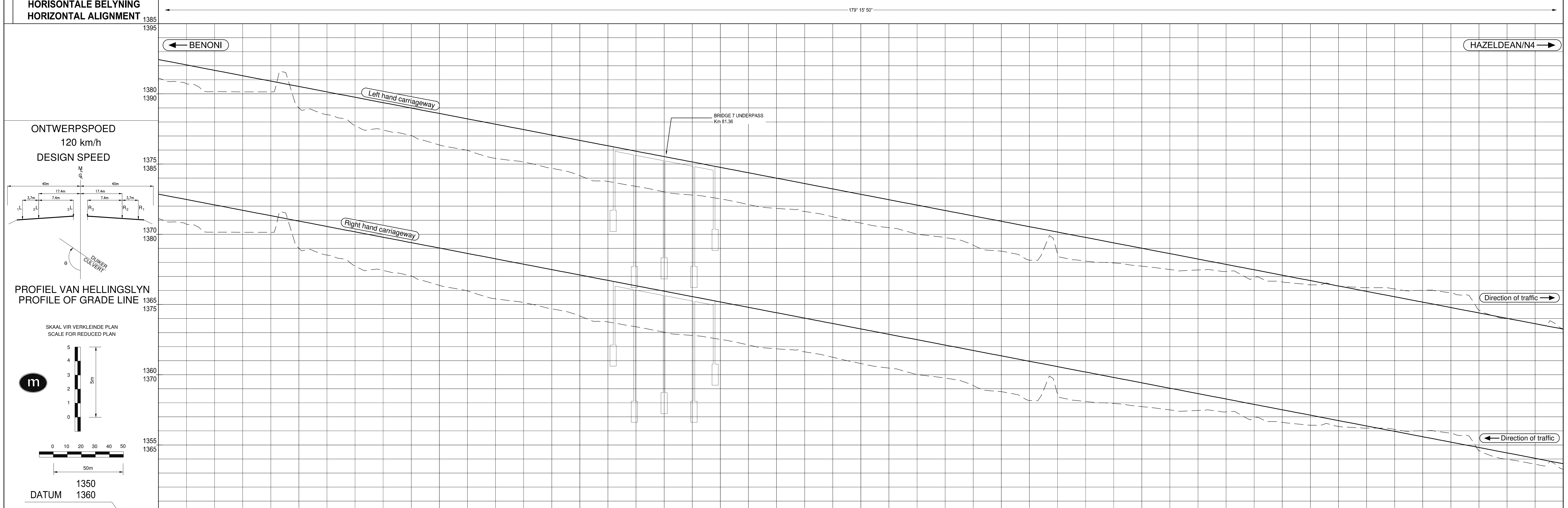


SURVEYED BY		DESIGNED BY		APPROVED		GAUTENG DEPARTMENT OF ROADS AND TRANSPORT		SCALE		FILE No.		DISTRICT		TYPE OF PLANNING	
DEP DIR TECH SERVICES		HATCH		DESIGNED		PRELIMINARY DESIGN OF ROAD PWV17 BETWEEN K54 AND ROAD PWV6		1:500		2/1/12/3/1 - PWV17		TSHWANE		PRELIMINARY DESIGN	
SIGNATURE		BUILDING No. 5, Ascot Office Park, Conyngham Street, Glendinningville, Port Elizabeth		for CONSULTING ENG.		LONGITUDINAL SECTION km 78.0 to km 79.0		DRT 13/03/2014		AGREEMENT No.		PAD No. /ROAD No.		PLAN No.	
DATE		Tel: +27 41 373 6552 Fax: +27 41 373 6545		DATE						DRT 13/03/2014		PWV17		GRP/15/54/07 PLs	

VERTICAL CURVES/VERTIKALE BOE		GRADE/HELLING	
FINALE PADHOOGTES FINAL ROAD LEVELS	L3 21.1m LEFT	1362.532	1362.532
	L2 17.4m LEFT	1362.534	1360.450
	L1 10.0m LEFT	1362.532	1360.450
PENHOOGTES OP PENLYN STAKED LEVELS ON PEG LINE			
GRONDHOOGTES GROUND LEVELS	17.4 m LINKS VAN MEDIAANLYN m LEFT OF MEDIAN LINE	1361.120	1363.173
KILOMETERAFSTAND KILOMETRE DISTANCE		81000	82000

SKARWELING LINKS / GUARD RAIL LEFT	
RANDSTEEN OF BESTRAKING LINKS / KERB OR PAVING LEFT	
OPGEWIDE SHOULDER LINKS / SURFACED SHOULDER LEFT	
OPGEWIDE SHOULDER REGS / SURFACED SHOULDER RIGHT	
RANDSTEEN OF BESTRAKING REGS / KERB OR PAVING RIGHT	
SKARWELING REGS / GUARD RAIL RIGHT	

VERWYSINGS PENNE LINKS REFERENCE PEGS LEFT	
HORISONTALE BELYNING HORIZONTAL ALIGNMENT	179° 15' 50"



VERTICAL CURVES/VERTIKALE BOE		GRADE/HELLING	
FINALE PADHOOGTES FINAL ROAD LEVELS	R1 10.0m RIGHT	1362.532	1360.792
	R2 17.4m RIGHT	1362.534	1360.940
	R3 21.1m RIGHT	1362.534	1360.792
PENHOOGTES OP PENLYN STAKED LEVELS ON PEG LINE			
GRONDHOOGTES GROUND LEVELS	17.4 m REGS VAN MEDIAANLYN m RIGHT OF MEDIAN LINE	1361.120	1363.173
KILOMETERAFSTAND KILOMETRE DISTANCE		81000	82000

SKARWELING LINKS / GUARD RAIL LEFT	
RANDSTEEN OF BESTRAKING LINKS / KERB OR PAVING LEFT	
OPGEWIDE SHOULDER LINKS / SURFACED SHOULDER LEFT	
OPGEWIDE SHOULDER REGS / SURFACED SHOULDER RIGHT	
RANDSTEEN OF BESTRAKING REGS / KERB OR PAVING RIGHT	
SKARWELING REGS / GUARD RAIL RIGHT	

VERWYSINGS PENNE REGS REFERENCE PEGS RIGHT	
HORISONTALE BELYNING HORIZONTAL ALIGNMENT	179° 15' 50"

KILOMETER AFSTAND GROOTTE EN HOEK	
KILOMETRE DISTANCE SIZE AND ANGLE	

DRENERING DRAINAGE	SURVEYED BY	DESIGNED BY	APPROVED		GAUTENG DEPARTMENT OF ROADS AND TRANSPORT	SCALE	FILE No. 2/1/12/3/1 - PWV17	DISTRICT TSHWANE	TYPE OF PLANNING PRELIMINARY DESIGN
			DESIGNED	FOR CONSULTING ENG.					
No.	DATE	ADDMENDMENTS	for HEAD OF DEPT.	DATE	SIGNATURE	SURVEY	DATE	DATE	DATE

DESIGNED BY: **HATCH**
 Building No. 5, Ascot Office Park
 Conyngham Street, Glendinningvale
 Port Elizabeth
 Tel: +27 41 373 6552
 Fax: +27 41 373 6545

APPROVED: **GAUTENG DEPARTMENT OF ROADS AND TRANSPORT**
 PRELIMINARY DESIGN OF ROAD PWV17 BETWEEN K54 AND ROAD PWV6
 LONGITUDINAL SECTION km 81.0 to km 82.0

GAUTENG PROVINCIAL GOVERNMENT

FILE No. 2/1/12/3/1 - PWV17
 AGREEMENT No. DRT 13/03/2014
 DISTRICT TSHWANE
 PAD No. /ROAD No. PWV17
 TYPE OF PLANNING: PRELIMINARY DESIGN
 PLAN No. GRP/15/54/10 PLS

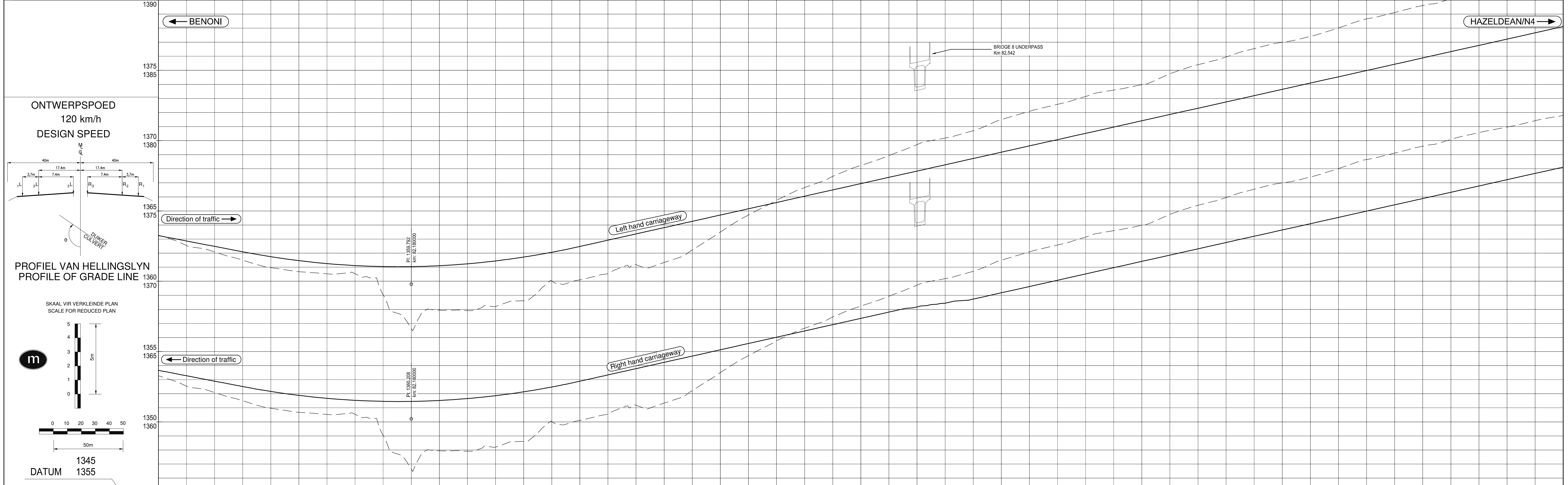
GRP/15/54/10 PLS

VERTICAL CURVES/VERTIKALE BOE		GRADE/HELLING	
FINALE PADHOOGTES FINAL ROAD LEVELS	L3 21.1m LEFT	1363.326	1363.327
	L2 17.4m LEFT	1361.614	1361.392
	L1 10.0m LEFT	1359.902	1359.903
PENHOOGTES OP PENLYN STAKED LEVELS ON PEG LINE			
GRONDOOGTES GROUND LEVELS	m LINKS VAN MEDIAANLYN m LEFT OF MEDIAN LINE	1359.270	1359.270
KILOMETERAFSTAND KILOMETRE DISTANCE		82000	82000

SKAWRELING LINKS / GUARD RAIL LEFT
 RANDSTEEN OF BESTRATING LINKS / KERB OR PAVING LEFT
 OEFPAWIDE SHOULDER LINKS / SURFACED SHOULDER LEFT
 OEFPAWIDE SHOULDER REGS / SURFACED SHOULDER RIGHT
 RANDSTEEN OF BESTRATING REGE / KERB OR PAVING RIGHT
 SKAWRELING REGS / GUARD RAIL RIGHT

VERWYSINGS PENNE LINKS
 REFERENCE PEGS LEFT

HORISONTALE BELYNING
 HORIZONTAL ALIGNMENT



VERTICAL CURVES/VERTIKALE BOE		GRADE/HELLING	
FINALE PADHOOGTES FINAL ROAD LEVELS	R1 10.0m RIGHT	1363.326	1363.327
	R2 17.4m RIGHT	1361.614	1361.392
	R3 21.1m RIGHT	1359.902	1359.903
PENHOOGTES OP PENLYN STAKED LEVELS ON PEG LINE			
GRONDOOGTES GROUND LEVELS	m REGS VAN MEDIAANLYN m RIGHT OF MEDIAN LINE	1359.270	1359.270
KILOMETERAFSTAND KILOMETRE DISTANCE		82000	82000

SKAWRELING LINKS / GUARD RAIL LEFT
 RANDSTEEN OF BESTRATING LINKS / KERB OR PAVING LEFT
 OEFPAWIDE SHOULDER LINKS / SURFACED SHOULDER LEFT
 OEFPAWIDE SHOULDER REGS / SURFACED SHOULDER RIGHT
 RANDSTEEN OF BESTRATING REGE / KERB OR PAVING RIGHT
 SKAWRELING REGS / GUARD RAIL RIGHT

VERWYSINGS PENNE REGS
 REFERENCE PEGS RIGHT

HORISONTALE BELYNING
 HORIZONTAL ALIGNMENT

KILOMETER AFSTAND GROOTTE
 EN HOEK
 KILOMETRE DISTANCE SIZE
 AND ANGLE

DESIGNED BY HATCH Building No. 5, Alcor Office Park Corymbugham Street, Glendinningvale Port Elizabeth Tel: +27 41 373 6552 Fax: +27 41 373 6545		APPROVED DESIGNED DRAWN CHECKED		GAUTENG DEPARTMENT OF ROADS AND TRANSPORT PRELIMINARY DESIGN OF ROAD PWV17 BETWEEN K54 AND ROAD PWV6 LONGITUDINAL SECTION km 82.0 to km 83.0		SCALE FILE No. 2/1/12/3/1 - PWV17 AGREEMENT No. DRT 13/03/2014		DISTRICT TSHWANE PAD No. /ROAD No. PWV17		TYPE OF PLANNING PRELIMINARY DESIGN PLAN No. GRP/15/54/11 PLS	
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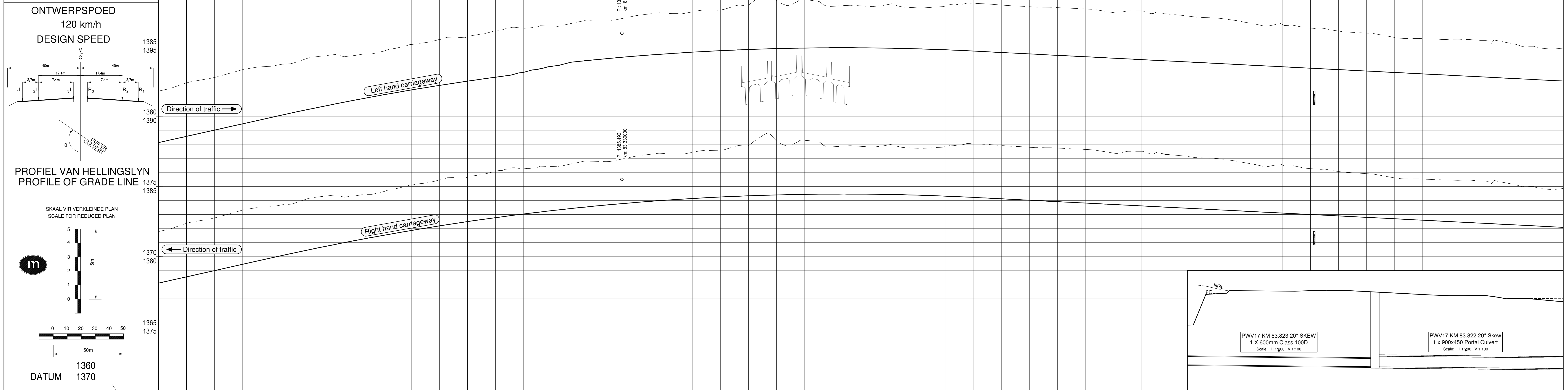
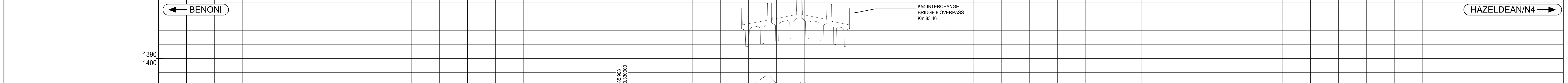
No.	DATE	ADDMENDMENTS	for HEAD OF DEPT.	DATE	SIGNATURE	DATE	DATE

VERTICAL CURVES/VERTIKALE BOE		GRADE/HELLING	
FINALE PADHOOGTES FINAL ROAD LEVELS	L3 21.1m LINKS	1376.543	1376.543
	L2 17.4m LINKS	1376.117	1376.117
	L1 10.0m LINKS	1375.267	1375.267
PENHOOGTES OP PENLYN STAKED LEVELS ON PEG LINE			
GRONDHOOGTES GROUND LEVELS	m LINKS VAN MEDIAANLYN m LEFT OF MEDIAN LINE	1360.989	1360.989
KILOMETERAFSTAND KILOMETRE DISTANCE		83000	83000

SKAARWEGING LINKS / GUARD RAIL LEFT
 RANDESTEEN OF BESTRAATING LINKS / KERB OR PAVING LEFT
 OEFPAWIDE SHOULDER LINKS / SURFACED SHOULDER LEFT
 OEFPAWIDE SHOULDER REGS / SURFACED SHOULDER RIGHT
 RANDESTEEN OF BESTRAATING REGS / KERB OR PAVING RIGHT
 SKAARWEGING REGS / GUARD RAIL RIGHT

VERWYSINGS PENNE LINKS
 REFERENCE PEGS LEFT

HORISONTALE BELYNING
 HORIZONTAL ALIGNMENT

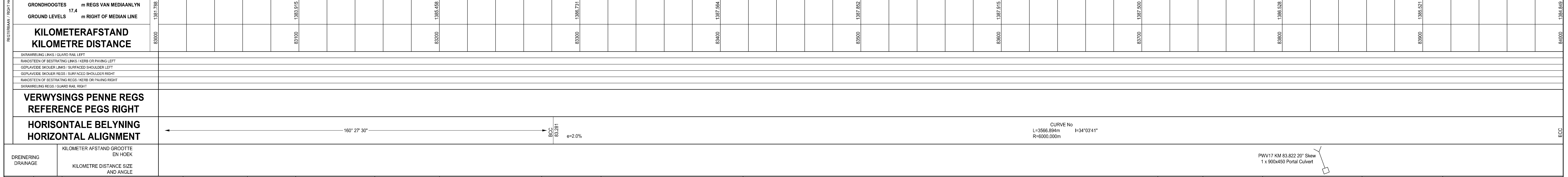


VERTICAL CURVES/VERTIKALE BOE		GRADE/HELLING	
FINALE PADHOOGTES FINAL ROAD LEVELS	R1 10.0m REGS	1376.543	1376.543
	R2 17.4m REGS	1376.117	1376.117
	R3 21.1m REGS	1375.267	1375.267
PENHOOGTES OP PENLYN STAKED LEVELS ON PEG LINE			
GRONDHOOGTES GROUND LEVELS	m REGS VAN MEDIAANLYN m RIGHT OF MEDIAN LINE	1360.989	1360.989
KILOMETERAFSTAND KILOMETRE DISTANCE		83000	83000

SKAARWEGING LINKS / GUARD RAIL LEFT
 RANDESTEEN OF BESTRAATING LINKS / KERB OR PAVING LEFT
 OEFPAWIDE SHOULDER LINKS / SURFACED SHOULDER LEFT
 OEFPAWIDE SHOULDER REGS / SURFACED SHOULDER RIGHT
 RANDESTEEN OF BESTRAATING REGS / KERB OR PAVING RIGHT
 SKAARWEGING REGS / GUARD RAIL RIGHT

VERWYSINGS PENNE REGS
 REFERENCE PEGS REGS

HORISONTALE BELYNING
 HORIZONTAL ALIGNMENT

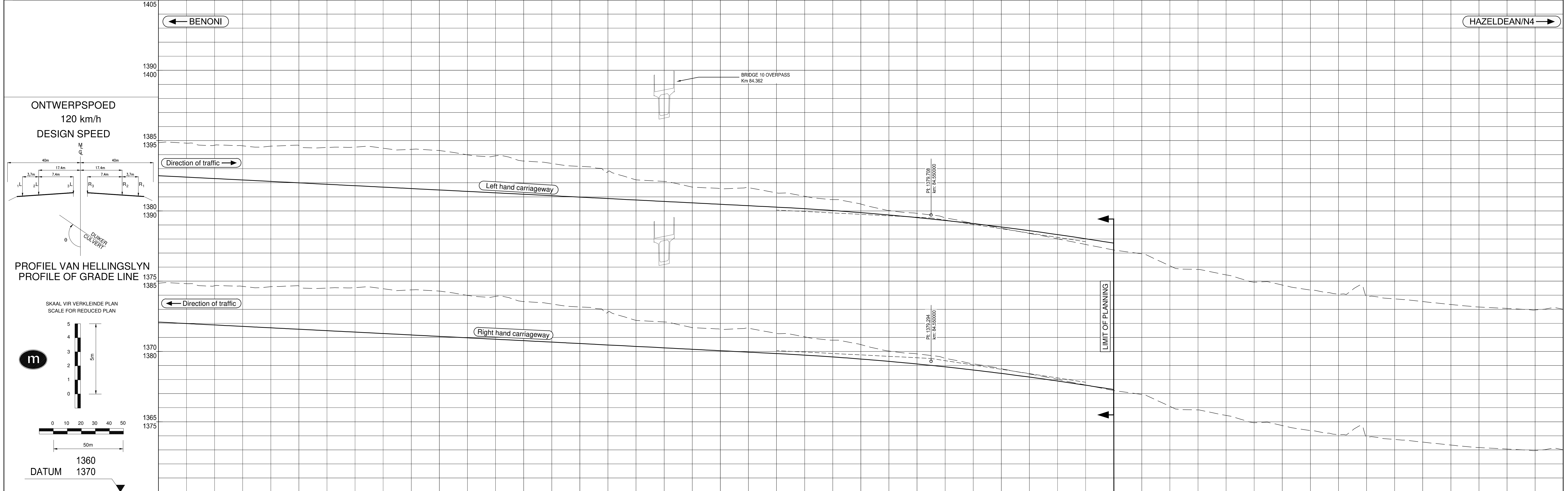


KILOMETER AFSTAND GROOTTE EN HOEK		SURVEYED BY		DESIGNED BY		APPROVED		GAUTENG DEPARTMENT OF ROADS AND TRANSPORT		SCALE		FILE No.		DISTRICT		TYPE OF PLANNING	
KILOMETRE DISTANCE SIZE AND ANGLE		DEP DIR TECH SERVICES		HATCH		DESIGNED		GAUTENG PROVINCIAL GOVERNMENT		2/1/12/3/1 - PWV17		TSHWANE		PRELIMINARY DESIGN			
		SIGNATURE		Building No. 5, Ascot Office Park Coryngham Street, Glenferrie Port Elizabeth Tel: +27 41 373 6552 Fax: +27 41 373 6545		DRAWN		PRELIMINARY DESIGN OF ROAD PWV17 BETWEEN K54 AND ROAD PWV6 LONGITUDINAL SECTION km 83.0 to km 84.0		AGREEMENT No. DRT 13/03/2014		PAD No. / ROAD No. PWV17		PLAN No. GRP/15/54/12 PLS			
No.	DATE	ADDMENDMENTS	for HEAD OF DEPT.	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE

VERTICAL CURVES/VERTIKALE BOE		GRADE/HELLING	
FINALE PADHOOGTES FINAL ROAD LEVELS	L3 21.1m LEFT	1382.577	1382.577
	L2 17.4m LEFT	1382.503	1382.503
	L1 10.0m LEFT	1382.325	1382.325
PENHOOGTES OP PENLYN STAKED LEVELS ON PEG LINE			
GRONDHOOGTES GROUND LEVELS	m IN MEDIAANLYN m LEFT OF MEDIAN LINE	1384.655	1372.895
KILOMETERAFSTAND KILOMETRE DISTANCE		84000	85000

SKAWRELING LINKS / GUARD RAIL LEFT	SKAWRELING REGS / GUARD RAIL RIGHT
RANDSTEEN OF BESTRAATINGS LINKS / KERB OR PAVING LEFT	RANDSTEEN OF BESTRAATINGS REGS / KERB OR PAVING RIGHT
OPPLAVINGS SKOULER LINKS / SURFACED SHOULDER LEFT	OPPLAVINGS SKOULER REGS / SURFACED SHOULDER RIGHT

VERWYSINGS PENNE LINKS REFERENCE PEGS LEFT	1395	1405
HORISONTALE BELYNING HORIZONTAL ALIGNMENT	177° 29' 20"	



ONTWERPSPOED
120 km/h
DESIGN SPEED

PROFIEL VAN HELLINGSLYN
PROFILE OF GRADE LINE

SKAAL VIR VERKLEINDE PLAN
SCALE FOR REDUCED PLAN

DATUM
1360
1370

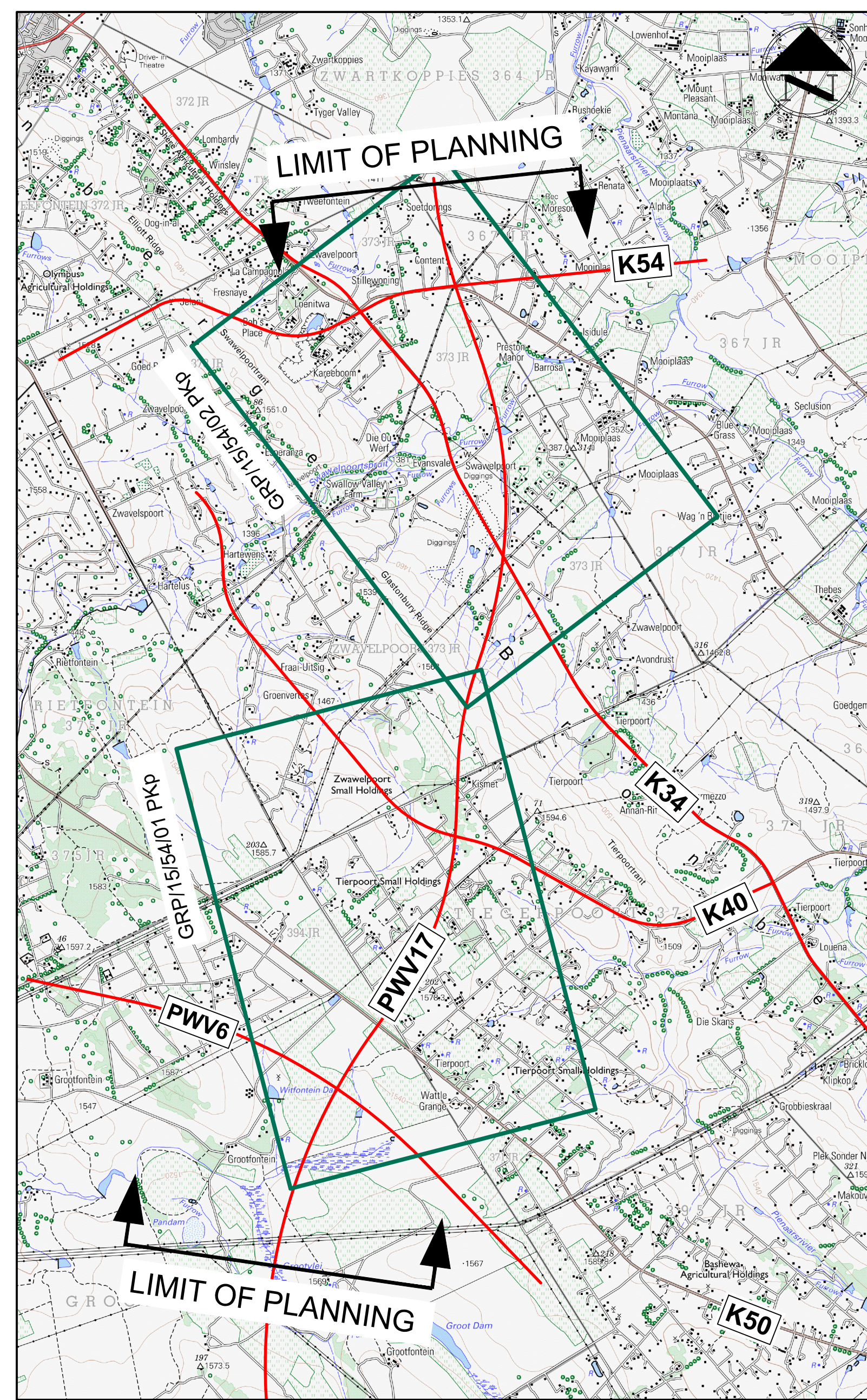
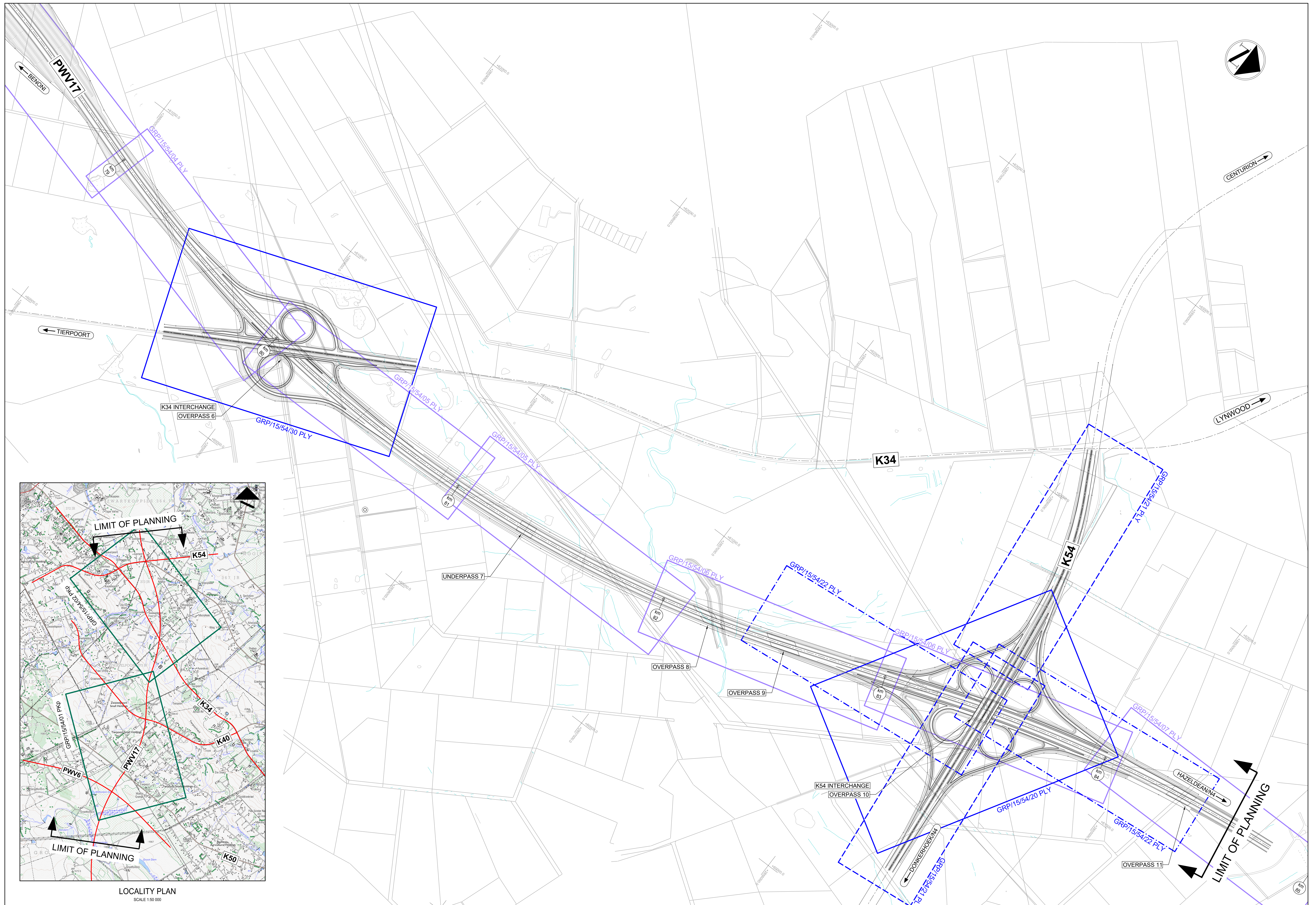
VERTICAL CURVES/VERTIKALE BOE		GRADE/HELLING	
FINALE PADHOOGTES FINAL ROAD LEVELS	R1 10.0m RIGHT	1382.325	1382.325
	R2 17.4m RIGHT	1382.503	1382.503
	R3 21.1m RIGHT	1382.677	1382.677
PENHOOGTES OP PENLYN STAKED LEVELS ON PEG LINE			
GRONDHOOGTES GROUND LEVELS	m IN MEDIAANLYN m RIGHT OF MEDIAN LINE	1384.655	1372.895
KILOMETERAFSTAND KILOMETRE DISTANCE		84000	85000

SKAWRELING LINKS / GUARD RAIL LEFT	SKAWRELING REGS / GUARD RAIL RIGHT
RANDSTEEN OF BESTRAATINGS LINKS / KERB OR PAVING LEFT	RANDSTEEN OF BESTRAATINGS REGS / KERB OR PAVING RIGHT
OPPLAVINGS SKOULER LINKS / SURFACED SHOULDER LEFT	OPPLAVINGS SKOULER REGS / SURFACED SHOULDER RIGHT

VERWYSINGS PENNE REGS REFERENCE PEGS RIGHT	1375	1385
HORISONTALE BELYNING HORIZONTAL ALIGNMENT	177° 29' 20"	

KILOMETER AFSTAND GROOTTE EN HOEK	
KILOMETRE DISTANCE SIZE AND ANGLE	

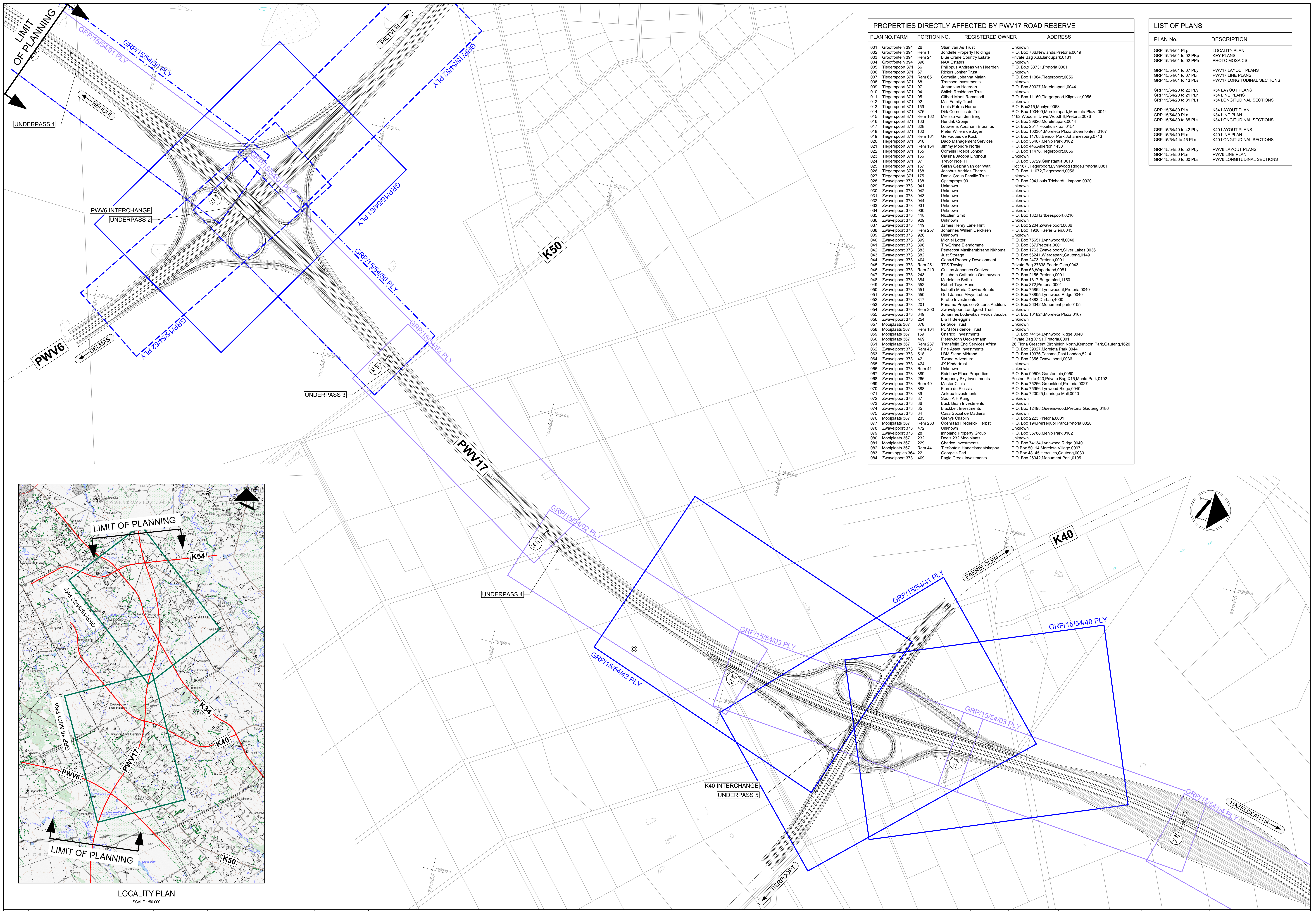
DRENERING DRAINAGE	SURVEYED BY DEP DIR TECH SERVICES	DESIGNED BY HATCH Building No. 5, Ascot Office Park Coryngham Street, Glendinningvale Port Elizabeth Tel: +27 41 373 6552 Fax: +27 41 373 6545	APPROVED DESIGNED DRAWN CHECKED	for CONSULTING ENG. for HEAD OF DEPT.	GAUTENG DEPARTMENT OF ROADS AND TRANSPORT PRELIMINARY DESIGN OF ROAD PWV17 BETWEEN K54 AND ROAD PWV6 LONGITUDINAL SECTION km 84.0 to km 85.0	SCALE	FILE No. 2/1/1/2/3/1 - PWV17	DISTRICT TSHWANE	TYPE OF PLANNING PRELIMINARY DESIGN
No.	DATE	ADDMENDMENTS	for HEAD OF DEPT.	DATE	DATE				



LOCALITY PLAN
SCALE 1:50 000

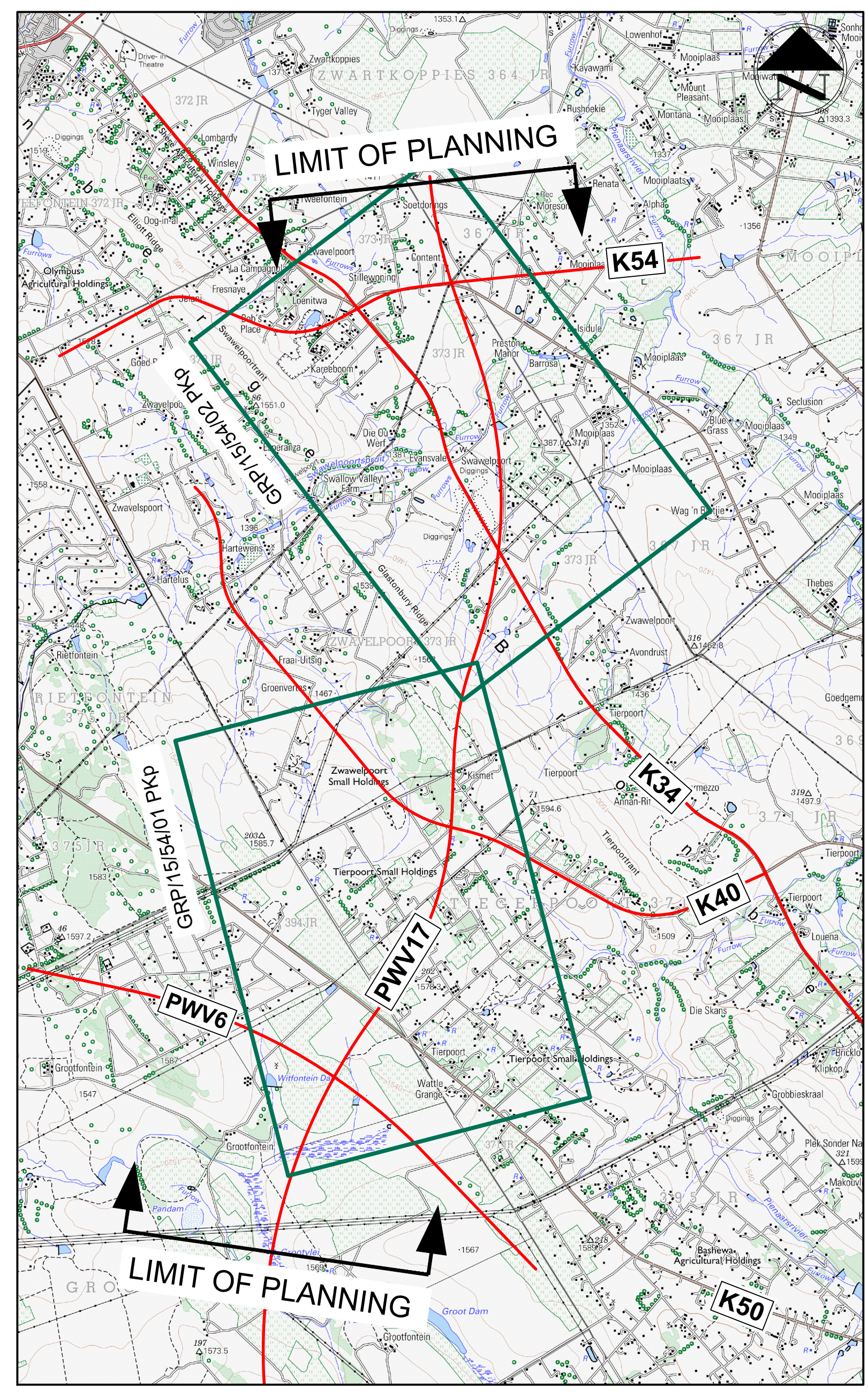
SURVEYED BY		DESIGNED BY		APPROVED		GAUTENG DEPARTMENT OF ROADS AND TRANSPORT		SCALE 1 : 5000	FILE No: 2/1/12/3/1 - PWV17	DISTRICT TSHWANE	TYPE OF PLANNING PRELIMINARY DESIGN
DEP DIR TECH SERVICES		HATCH		for CONSULTING ENG.		PRELIMINARY DESIGN OF ROAD PWV17 BETWEEN K54 AND ROAD PWV6					
SIGNATURE		BUILDING No. 5, Arcot Office Park Corynthian Street, Glenview/Avondale P.O. Box 1284 Tel. +27 41 373 8552 Fax +27 41 373 8545		for HEAD OF DEPT.		KEY PLAN		AGREEMENT No. DRT 13/03/2014	PAD No./ROAD No. PWV17	PLAN No. GRP/15/54/02 PKp	
No.	DATE	ADDITIONS	DATE	DESIGNED	DATE	DRAWN	DATE				

PLANNING No. GRP/15/54/01 PKp



PROPERTIES DIRECTLY AFFECTED BY PWV17 ROAD RESERVE				
PLAN NO.	FARM	PORTION NO.	REGISTERED OWNER	ADDRESS
001	Grootfontein 394	26	Sian van As Trust	Unknown
002	Grootfontein 394	Rem 1	Jordale Property Holdings	Box 736, Newlands, Pretoria, 0049
003	Grootfontein 394	Rem 24	Blue Crane Country Estate	Private Bag X6, Elandpark, 0181
004	Grootfontein 394	398	NAX Estates	Unknown
005	Tiegerspoort 371	68	Philippus Andreas van Heerden	P.O. Box 33731, Pretoria, 0001
006	Tiegerspoort 371	67	Rickus Jonker Trust	Unknown
007	Tiegerspoort 371	Rem 65	Cornelia Johanna Malan	P.O. Box 11084, Tiegerspoort, 0056
008	Tiegerspoort 371	97	Tamson Investments	P.O. Box 39027, Moreletapark, 0044
009	Tiegerspoort 371	97	Johan van Heerden	Unknown
010	Tiegerspoort 371	94	Shiloh Residence Trust	Unknown
011	Tiegerspoort 371	95	Gilbert Moele Ramasodi	P.O. Box 1169, Tiegerspoort, Kliprivier, 0056
012	Tiegerspoort 371	92	Mali Family Trust	Unknown
013	Tiegerspoort 371	159	Louis Petrus Home	P.O. Box 215, Merlyn, 0063
014	Tiegerspoort 371	378	Dick Cornelius du Toit	P.O. Box 10040, Moreletapark, Moreleta Plaza, 0044
015	Tiegerspoort 371	Rem 162	Melissa van den Berg	1162 Woodhill Drive, Woodhill, Pretoria, 0078
016	Tiegerspoort 371	163	Hendrik Cronje	P.O. Box 39626, Moreletapark, 0044
017	Tiegerspoort 371	308	Jouwens Abraham Erasmus	P.O. Box 2517, Booyskraal, 0154
018	Tiegerspoort 371	160	Pieter Willem de Jager	P.O. Box 100301, Moreleta Plaza, Bloemfontein, 0167
019	Tiegerspoort 371	Rem 161	Geirviques de Kock	P.O. Box 11768, Bendor Park, Johannesburg, 0713
020	Tiegerspoort 371	318	Dado Management Services	P.O. Box 36407, Menlo Park, 0102
021	Tiegerspoort 371	Rem 164	Jimmy Mendre Nortje	P.O. Box 446, Alberton, 1450
022	Tiegerspoort 371	165	Cornelia Roelof Jonker	P.O. Box 11476, Tiegerspoort, 0056
023	Tiegerspoort 371	160	Classia Jacobs Lindroth	Unknown
024	Tiegerspoort 371	87	Trevor Noel Hill	P.O. Box 33729, Glenstania, 0010
025	Tiegerspoort 371	167	Sarah Gesina van der Walt	Plot 107, Tiegerspoort, Lynnwood Ridge, Pretoria, 0081
026	Tiegerspoort 371	168	Jacobus Andries Theron	P.O. Box 11072, Tiegerspoort, 0056
027	Tiegerspoort 371	175	Danie Crous Familie Trust	Unknown
028	Zwavelpoort 373	188	Olympeus 90	Unknown
029	Zwavelpoort 373	941	Unknown	P.O. Box 204, Louis Trichardt, Limpopo, 0920
030	Zwavelpoort 373	942	Unknown	Unknown
031	Zwavelpoort 373	943	Unknown	Unknown
032	Zwavelpoort 373	944	Unknown	Unknown
033	Zwavelpoort 373	931	Unknown	Unknown
034	Zwavelpoort 373	930	Unknown	Unknown
035	Zwavelpoort 373	418	Nicolen Smit	P.O. Box 182, Hartbeespoort, 0216
036	Zwavelpoort 373	929	Unknown	Unknown
037	Zwavelpoort 373	419	James Henry Lane Flint	P.O. Box 2204, Zwavelpoort, 0036
038	Zwavelpoort 373	Rem 257	Johannes Willem Dercksen	P.O. Box 1930, Faerie Glen, 0043
039	Zwavelpoort 373	928	Unknown	Unknown
040	Zwavelpoort 373	399	Michael Lotter	P.O. Box 75651, Lynnwoodridge, 0040
041	Zwavelpoort 373	398	Tin-Grinne Elendomme	P.O. Box 367, Pretoria, 0001
042	Zwavelpoort 373	383	Pentecost Mashibansie Nkhomo	P.O. Box 1763, Zwavelpoort, Silver Lakes, 0036
043	Zwavelpoort 373	382	Just Storage	P.O. Box 58241, Wierdapark, Gauteng, 0149
044	Zwavelpoort 373	404	Gehazi Property Development	P.O. Box 2473, Pretoria, 0001
045	Zwavelpoort 373	Rem 251	TPS Towing	Private Bag 37838, Faerie Glen, 0043
046	Zwavelpoort 373	Rem 219	Gustav Johannes Coetzee	P.O. Box 68, Wapadrand, 0081
047	Zwavelpoort 373	243	Elizabeth Catharina Oosthuysen	P.O. Box 2155, Pretoria, 0001
048	Zwavelpoort 373	384	Madelaine Botha	P.O. Box 1817, Burgerfort, 1150
049	Zwavelpoort 373	552	Robert Toyo Hans	P.O. Box 372, Pretoria, 0001
050	Zwavelpoort 373	551	Isabella Maria Dewina Smuts	P.O. Box 75862, Lynnwoodridge, Pretoria, 0040
051	Zwavelpoort 373	550	Gert James Alwyn Lubbe	P.O. Box 73895, Lynnwood Ridge, 0040
052	Zwavelpoort 373	317	Krabo Investments	P.O. Box 4883, Durban, 4000
053	Zwavelpoort 373	201	Panamo Props co vSiberts Auditors	P.O. Box 26342, Monument park, 0105
054	Zwavelpoort 373	Rem 200	Zwavelpoort Landgoed Trust	Unknown
055	Zwavelpoort 373	349	Johannes Lodewikus Petrus Jacobs	P.O. Box 101824, Moreleta Plaza, 0167
056	Zwavelpoort 373	254	L & H Belegings	Unknown
057	Mooiplaats 367	378	Le Grace Trust	Unknown
058	Mooiplaats 367	Rem 164	PCM Residence Trust	Unknown
059	Mooiplaats 367	169	Charloo Investments	P.O. Box 74134, Lynnwood Ridge, 0040
060	Mooiplaats 367	469	Pieter-John Ueckermann	Private Bag X191, Pretoria, 0001
061	Mooiplaats 367	Rem 237	Transfield Eng Services Africa	28 Flora Crescent, Birchleigh North, Kempton Park, Gauteng, 1620
062	Zwavelpoort 373	Rem 43	Fine Asset Investments	P.O. Box 39027, Moreleta Park, 0044
063	Zwavelpoort 373	518	LBM Siene Midrand	P.O. Box 19376, Tecoma, East London, 5214
064	Zwavelpoort 373	42	Twane Adventure	P.O. Box 2366, Zwavelpoort, 0036
065	Zwavelpoort 373	424	JX Kindertrust	Unknown
066	Zwavelpoort 373	Rem 41	Unknown	Unknown
067	Zwavelpoort 373	889	Rainbow Place Properties	P.O. Box 89506, Garfontein, 0060
068	Zwavelpoort 373	266	Burgundy Sky Investments	Postnet Suite 443, Private Bag X15, Menlo Park, 0102
069	Zwavelpoort 373	Rem 49	Master Clinic	P.O. Box 75206, Crooknoof, Pretoria, 0027
070	Zwavelpoort 373	888	Pierre du Plessis	P.O. Box 75866, Lynnwood Ridge, 0040
071	Zwavelpoort 373	39	Ankrox Investments	P.O. Box 720026, Lunridge Mall, 0040
072	Zwavelpoort 373	37	Soon A H Kang	Unknown
073	Zwavelpoort 373	36	Buck Bean Investments	Unknown
074	Zwavelpoort 373	35	Blackbelt Investments	P.O. Box 12498, Queenswood, Pretoria, Gauteng, 0186
075	Zwavelpoort 373	34	Casa Social de Mediera	Unknown
076	Mooiplaats 367	235	Glenys Chaplin	P.O. Box 2223, Pretoria, 0001
077	Mooiplaats 367	Rem 233	Coenraad Frederick Herbst	P.O. Box 194, Perseus Park, Pretoria, 0020
078	Zwavelpoort 373	472	Unknown	Unknown
079	Zwavelpoort 373	26	Innoland Property Group	P.O. Box 35788, Menlo Park, 0102
080	Mooiplaats 367	232	Deets 232 Mooiplaats	Unknown
081	Mooiplaats 367	229	Charloo Investments	P.O. Box 74134, Lynnwood Ridge, 0040
082	Mooiplaats 367	Rem 44	Tierfontein Handelsmaatskappy	P.O. Box 50114, Moreleta Village, 0097
083	Zwarkoppies 364	22	George's Pad	P.O. Box 48145, Hercules, Gauteng, 0030
084	Zwavelpoort 373	409	Eagle Creek Investments	P.O. Box 26342, Monument Park, 0105

LIST OF PLANS	
PLAN No.	DESCRIPTION
GRP 15/54/01 PLp	LOCALITY PLAN
GRP 15/54/01 to 02 PKp	KEY PLANS
GRP 15/54/01 to 02 PHp	PHOTO MOSAICS
GRP 15/54/01 to 07 PLn	PWV17 LAYOUT PLANS
GRP 15/54/01 to 07 PLn	PWV17 LINE PLANS
GRP 15/54/01 to 13 PLs	PWV17 LONGITUDINAL SECTIONS
GRP 15/54/20 to 22 PLy	K54 LAYOUT PLANS
GRP 15/54/20 to 21 PLn	K54 LINE PLANS
GRP 15/54/20 to 31 PLs	K54 LONGITUDINAL SECTIONS
GRP 15/54/80 PLy	K34 LAYOUT PLAN
GRP 15/54/80 PLn	K34 LINE PLAN
GRP 15/54/80 to 85 PLs	K34 LONGITUDINAL SECTIONS
GRP 15/54/40 to 42 PLy	K40 LAYOUT PLANS
GRP 15/54/40 PLn	K40 LINE PLAN
GRP 15/54/40 to 46 PLs	K40 LONGITUDINAL SECTIONS
GRP 15/54/50 to 52 PLy	PWV6 LAYOUT PLANS
GRP 15/54/50 PLn	PWV6 LINE PLAN
GRP 15/54/50 to 60 PLs	PWV6 LONGITUDINAL SECTIONS



LOCALITY PLAN
SCALE 1:50 000

SURVEYED BY		DESIGNED BY		APPROVED		GAUTENG DEPARTMENT OF ROADS AND TRANSPORT		SCALE	FILE No.	DISTRICT	TYPE OF PLANNING
DEP DIR TECH SERVICES		HATCH		for CONSULTING ENG. / for HEAD OF DEPT.		PRELIMINARY DESIGN OF ROAD PWV17 BETWEEN K54 AND ROAD PWV6					
SIGNATURE		SURVEY		DATE		DATE		AGREEMENT No.	PAD Nr. /ROAD No.	PWV17	PLAN No.
No.	DATE	ADDMENDMENTS	for HEAD OF DEPT.	DATE	DATE	DATE	DATE				

PLANNING GRP/15/54/01 PKp



Annexure C

EAP CV and Company profile



Bokamoso

**Landscape Architects &
Environmental consultants**

**P.O.BOX 11375
Maroelana
0161**

**Tel: (012) 346 3810
Fax: (086) 570 5559**

**E-mail: lizelle@bokamoso.net
reception@bokamoso.net
Website: www.bokamoso.net**

Qualifications And Experience In The Field Of Environmental Planning And Management (Lizelle Gregory (Member Bokamoso)):

Qualifications:

- Qualified as **Landscape Architect** at UP 1991;
- Qualified as **Professional Landscape Architect in 1997**;
- A Registered Member at The **South African Council for the Landscape Architect Profession (SACLAP)** with Practise Number: **PrLArch97078**;
- A Registered Member at the **International Association for Impact Assessment Practitioners (IAIA)**;
- Qualified as an **Environmental Auditor in July 2008** and also became a Member of the International Environmental Management Association (IEMAS) in 2008.

Working Experience:

- Worked part time at Eco-Consult – 1988-1990;
- Worked part time at **Plan Associates as Landscape Architect in training** – 1990-1991;
- Worked as Landscape Architect at **Environmental Design Partnership (EDP)** from 1992 - 1994
- Practised under **Lizelle Gregory Landscape Architects** from 1994 until 1999;
- Lectured** at Part-Time at **UP** (1999) – Landscape Architecture and **TUT** (1998- 1999)- Environmental Planning and Plant Material Studies;
- Worked as **part time Landscape Architect and Environmental Consultant at Plan Associates** and **managed their environmental division for more than 10 years** – 1993 – 2008 (assisted the **PWV Consortium** with various road planning matters which amongst others included environmental Scans, EIA's, Scoping reports etc.)
- Renamed business as **Bokamoso in 2000** and is the only member of Bokamoso Landscape Architects and Environmental Consultants CC;
- More than 20 years experience in the compilation of Environmental Reports**, which amongst others included the compilation of various **DFA Regulation 31 Scoping Reports**, EIA's for EIA applications in terms of the applicable environmental legislation, Environmental Management Plans, Inputs for Spatial Development Frameworks, DP's, EMF's etc. Also included EIA Application on and adjacent to mining land and slimes dams (i.e. Brahm Fisherville, Doornkop)

Qualifications And Experience In The Field Of Landscape Architecture (Lizelle Gregory (Member Bokamoso)):

Landscape Architecture:

-Compiled landscape and rehabilitation plans for more than 22 years.

The most significant landscaping projects are as follows:

-Designed the Gardens of the Witbank Technicon (a branch of TUT). Also supervised the implementation of the campus gardens (2004);

-Lizelle Gregory was the Landscape Architect responsible for the paving and landscape design at the UNISA Sunnyside Campus and received a Corobrick Golden Award for the paving design at the campus (1998-2004);

-Bokamoso assisted with the design and implementation of a park for the City of Johannesburg in Tembisa (2010);

-The design and implementation of the landscape gardens (indigenous garden) at the new Coca-Cola Valpre Plant (2012-2013);

-Responsible for the rehabilitation and landscaping of Juksei River area at the Norwood Shopping Mall (Johannesburg) (2012-2013);

-Designed and implemented a garden of more than 3,5ha in Randburg (Mc Arthurpark). Bokamoso also seeded the lawn for the project (more than 2,5 ha of lawn successfully seeded) (1999);

-Bokamoso designed and implemented more than 800 townhouse complex gardens and submitted more than 500 Landscape Development Plans to CTMM for approval (1995 – 2013);

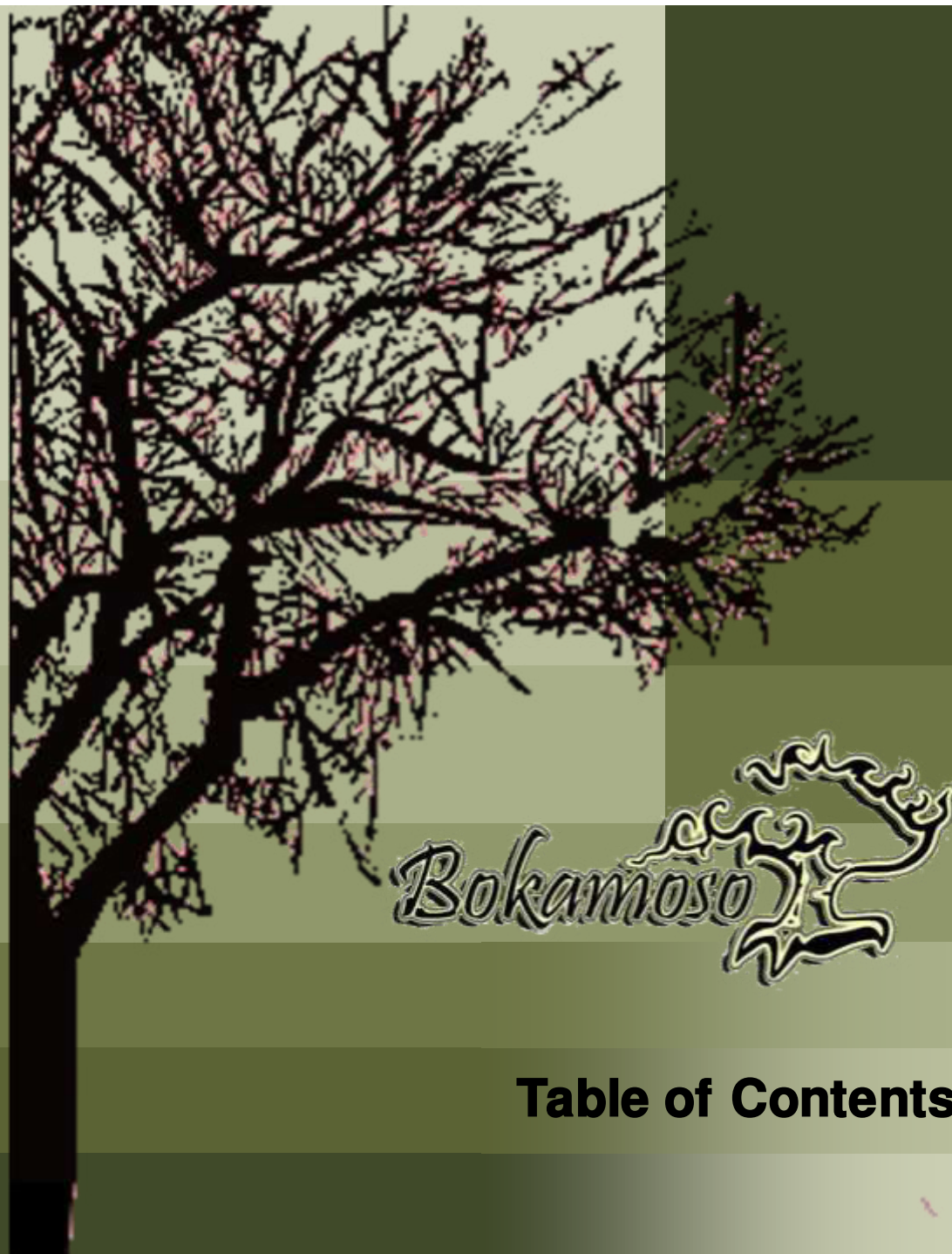
-Assisted with Landscape Designs and the Masterplan at Eco-Park (M&T Developments) (2005-2011);

-Bokamoso designed and implemented an indigenous garden at an office park adjacent to the Bronberg. In this garden it was also necessary to establish a special garden for the Juliana Golden Mole. During a recent site visit it was established that the moles are thriving in this garden. Special sandy soils had to be imported and special indigenous plants had to be established in the natural section of the garden.

-Lizelle Gregory also owns her own landscape contracting business. **For the past 20 years she trained more than 40 PDI jobless people (sourced from a church in Mamelodi)** to become landscape contracting workers. All the workers are (on a continuous basis) placed out to work at nurseries and other associated industries;

-Over the past 20 years the Bokamoso team compiled more than 800 landscape development plans and also implemented most of the gardens. Bokamoso also designed and implemented the irrigation for the gardens (in cases where irrigation was required). Lizelle regarded it as important to also obtain practical experience in the field of landscape implementation.

- 01** Executive Summary
- 02** Vision, Mission & Values
- 03** Human Resources
- 04** Services
- 05** Landscape Projects
- 06** Corporate Highlights
- 07** Environmental Projects
- 08** Indicative Clients
- 09** Tools



Bokamoso 

Table of Contents

Bokamoso specialises in the fields of Landscape Architecture and all aspects of Environmental Management and Planning. Bokamoso was founded in 1992 and has shown growth by continually meeting the needs of our clients. Our area of expertise stretches throughout the whole of South Africa. Our projects reflect the competence of our well compiled team. The diversity of our members enables us to tend to a variety of needs. Our integrated approach establishes a basis for outstanding quality. We are well known to clients in the private, commercial as well as governmental sector.

At Bokamoso we stand on a firm basis of environmental investigation in order to find unique solutions to the requirements of our clients and add value to their operations.



01 Executive Summary

011 Company Overview



Vision:

At Bokamoso we strive to find the best planning solutions by taking into account the functions of a healthy ecosystem. Man and nature should be in balance with each other.

Mission:

We design according to our ethical responsibility, take responsibility for successful completion of projects and constitute a landscape that contributes to a sustainable environment. We add value to the operations of our clients and build long term relationships that are mutually beneficial.

Values:

Integrity

Respect



Bokamoso stands on the basis of fairness. This include respect within our multicultural team and equal opportunities in terms of gender, nationality and race.

We have a wide variety of projects to tend to, from complicated reports to landscape installation. This wide range of projects enables us to combine a variety of professionals and skilled employees in our team.

Bokamoso further aids in the development of proficiency within the working environment. Each project, whether in need of skilled or unskilled tasks has its own variety of facets to bring to the table.

We are currently in the process of receiving our BEE scorecard. We support transformation in all areas of our company dynamics.



03 Human Resources

031 Employment Equity

Lizelle Gregory (100% interest)

Lizelle Gregory obtained a degree in Landscape Architecture from the University of Pretoria in 1992 and passed her board exam in 1995.

Her professional practice number is PrLArch 97078.

Ms. Gregory has been a member of both the Institute for Landscape Architecture in South Africa (ILASA) and South African Council for the Landscape Architecture Profession (SACLAP), since 1995.

Although the existing Environmental Legislation doesn't yet stipulate the academic requirements of an Environmental Assessment Practitioner (EAP), it is recommended that the Environmental Consultant be registered at the International Association of Impact Assessments (IAIA). Ms. Gregory has been registered as a member of IAIA in 2007.

Ms. Gregory attended and passed an International Environmental Auditing course in 2008. She is a registered member of the International Environmental Management and Assessment Council (IEMA).

She has lectured at the Tshwane University of Technology (TUT) and the University of Pretoria (UP). The lecturing included fields of Landscape Architecture and Environmental Management.

Ms. Gregory has more than 20 years experience in the compilation of Environmental Evaluation Reports:

Environmental Management Plans (EMP);

Strategic Environmental Assessments;

All stages of Environmental input ;

EIA under ECA and the new and amended NEMA regulations and various other Environmental reports and documents.

Ms. Gregory has compiled and submitted more than 600 Impact Assessments within the last 5-6 years. Furthermore, Ms. L. Gregory is also familiar with all the GDARD/Provincial Environmental policies and guidelines. She assisted and supplied GAUTRANS/former PWV Consortium with Environmental input and reports regarding road network plans, road determinations, preliminary and detailed designs for the past 12 years.



03 Human Resources

032 Members

Consulting

Anè Agenbacht

Introduction to Sustainable Environmental Management—An overview of Principles, Tools, & Issues (Potch 2006)
Leadership Training School (Lewende Woord 2010)
BA Environmental Management (UNISA 2011)
PGCE Education (Unisa 2013) - CUM LAUDE
Project Manager
More than 10 years experience in the compilation of various environmental reports

Mary-Lee Van Zyl

MSc Plant Science (UP)
BSc (Hons) Plant Science (UP)
BSc Ecology (UP)
More than 3 years working experience in the Environmental field
Specialises in ECO works, Basic Assessments, EIA's, and Flora Reports
Compilation of various Environmental Reports

Dashentha Moodley

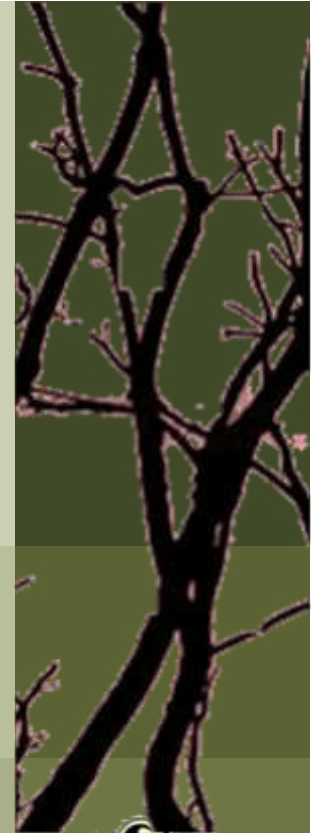
BA (Hons) Degree in Environmental Management (UNISA) - CUM LAUDE
Bachelor of Social Science in Geography & Environmental Management (UKZN)
More than 6 years experience in WUL Applications & Integrated Environmental Management within water resource management.
Senior Environmental Practitioner & Water Use Licence Consultant
Specialises in Water Use License & Compilation of various Env. Reports

Adèle Drake

BA Geography & History (UP)
NQF Level 7 Air Quality Management (UJ)
More than 15 years experience in the field of Environmental Management within Mining Industry (surface and underground), Forestry Industry, Renewable Energy Industry (WEF), and Environmental Consulting. Also ISO 14000, ISO 9000, and Safety Management Auditor.

Ronell Kuppen

BSc (Hons) in Geography (UNISA)
BA Environmental and Development (UKZN)
More than 5 years experience in Environmental Consulting
Specializing in WUL Applications, Waste License Applications, EIAs, Basic Assessments, Public Participations, Borrow Pits



03 Human Resources

033 Personnel

Ben Bhukwana

BSc Landscape Architecture (UP)

More than 6 years experience in the field of Landscape Architecture (Design, Construction, Implementation, and Management).
Specialises in landscape design, ECO, rehabilitation plans and compilation various environmental reports and compilation of tender documents

Juanita de Beer

Diploma Events Management and Marketing (Damelin)

Specializes in Public relations and Public Participation Processes (4 years experience)
Specialises in compiling various environmental reports

Alfred Thomas

CIW Foundation & Internet Marketing (IT Academy)

12 years experience in GIS and IT in general.
GIS Operator and Multimedia Specialist.

Bianca Reyneke

**Applying SHE Principles and Procedures (NOSA)
Intro to SAMTRAC Course (NOSA)**

SHEQ Coordinator and compilation of environmental reports
Specialises in compiling various environmental reports

A.E. van Wyk

BSc Environmental Sciences (Zoology and Geography)

Specialises in compiling various environmental reports



Elsa Viviers

Interior Decorating (Centurion College)

(Accounting/ Receptionist) and Secretary to Lizelle Gregory

Loura du Toit

N. Dip. Professional Teacher (Heidelberg Teachers Training College)

Librarian and PA to the Project Manager

Merriam Mogalaki

Administration Assistant with in-house training in bookkeeping

Landscape Contracting

Elias Maloka

Assisting with Public Participations and Office Admin

Site manager overseeing landscape installations.

Irrigation design and implementation.

Landscape maintenance

More than 18 years experience in landscape construction works.

The contracting section comprises of six permanently employed black male workers. In many cases the team consists of up to 12 workers, depending on the quantity of work.



03 Human Resources

035 Personnel

In-house Specialists

Corné Niemandt

MSc Plant Science (UP 2015) – Cum Laude
BSc (Hons) Zoology (UP 2012)
BSc Ecology (UP 2011)
Specialises in ecological surveys and report writing
Compilation of fauna and flora specialist reports
GIS: Generating maps

Garth van Rooyen

BSc (Hons) Environmental Soil Science
BSc Geology
Soil and Wetland Specialist



03 Human Resources

035 Personnel



01 Environmental Management Services

- Basic Assessment Reports
- EIA & Scoping Reports
- Environmental Management Plans
- Environmental Scans
- Strategic Environmental Assessments
- EMP for Mines
- Environmental Input and Evaluation of Spatial Development Frameworks
- State of Environmental Reports
- Compilation of Environmental Legislation and Policy Documents
- Environmental Auditing and Monitoring
- Environmental Control Officer (ECO)
- Visual Impact assessments
- Specialist Assistance with Environmental Legislation Issues and Appeals
- Development Process Management
- Water Use License applications to DWA
- Waste License Application



04 Services

041 Consulting Services

02 Landscape Architecture

- Master Planning
- Sketch Plans
- Planting Plans
- Working Drawings
- Furniture Design
- Detail Design
- Landscape Development Frameworks
- Landscape Development Plans (LDP)
- Contract and Tender Documentation
- Landscape Rehabilitation Works

03 Landscape Contracting

Implementation of Plans for:

- Office Parks
- Commercial/ Retail / Recreational Development
- Residential Complexes
- Private Residential Gardens
- Implementation of irrigation systems



Bokamoso 

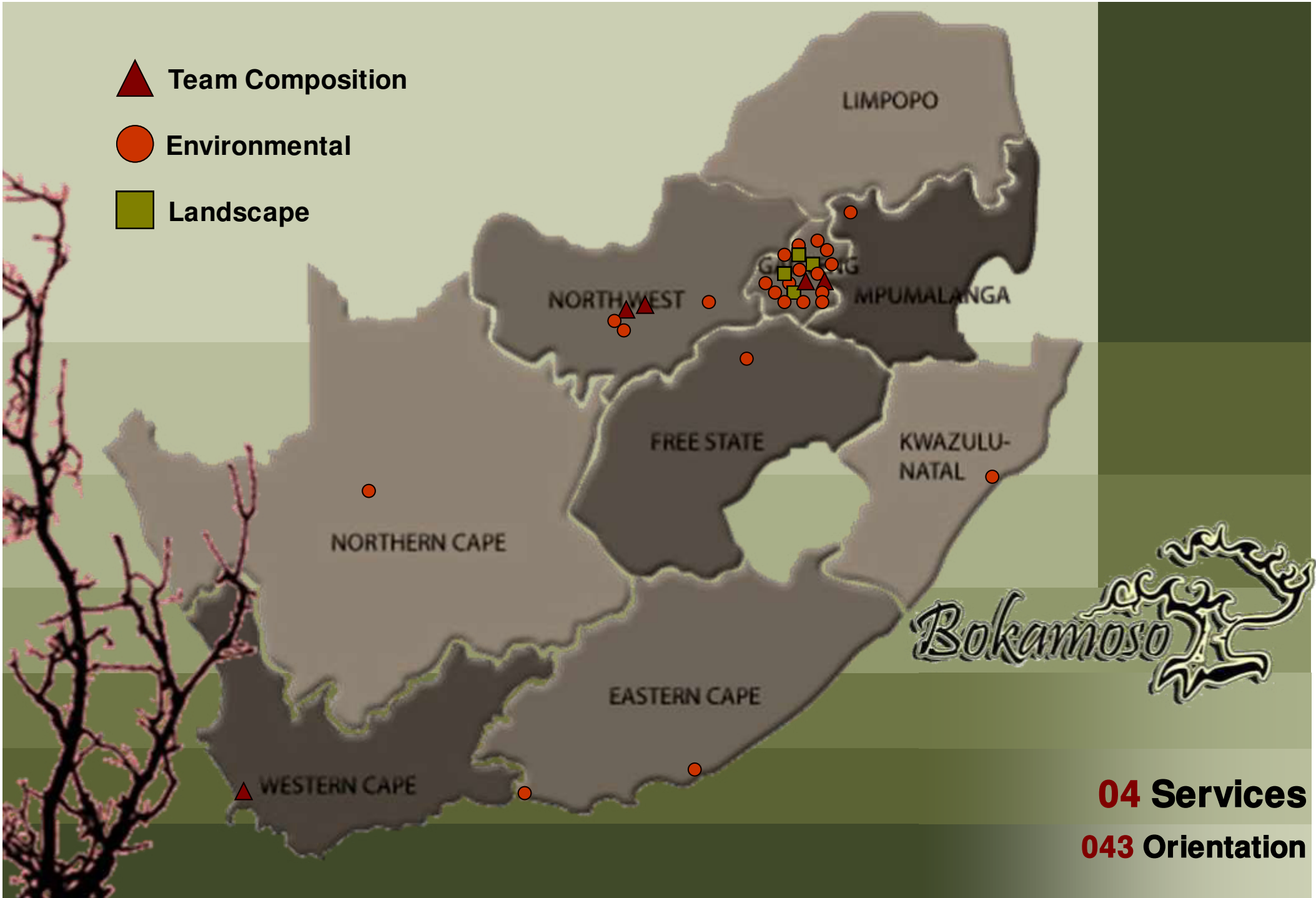
04 Services

042 Contracting Services

▲ Team Composition

● Environmental

■ Landscape

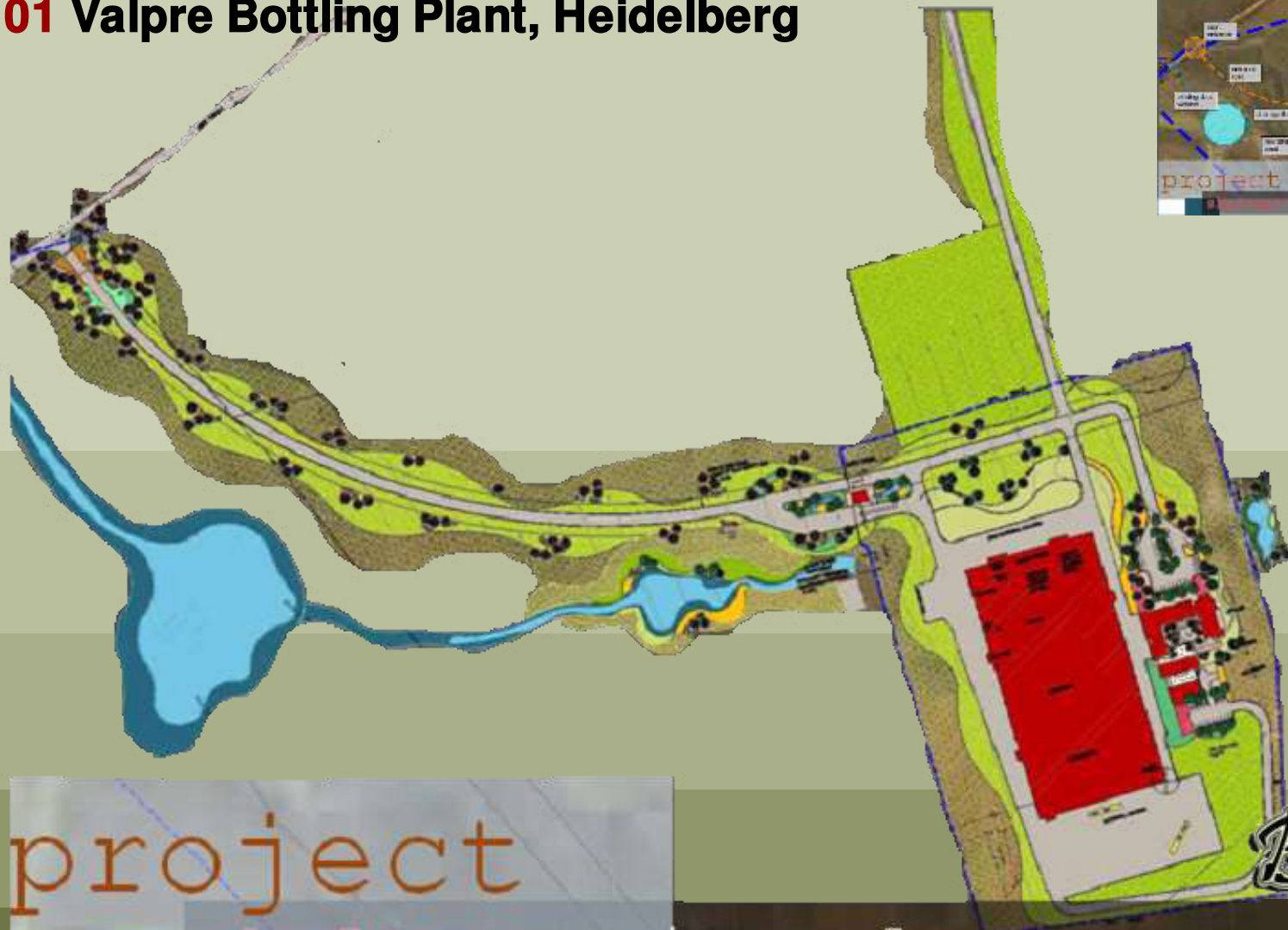


Bokamoso

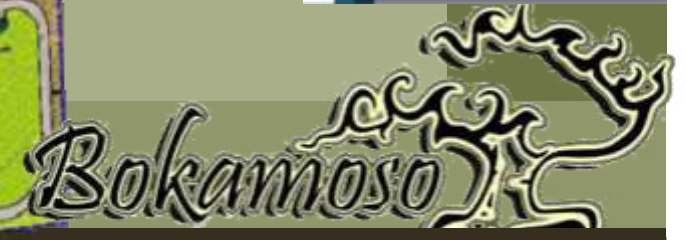
04 Services

043 Orientation

01 Valpre Bottling Plant, Heidelberg



project
shelter- site plan

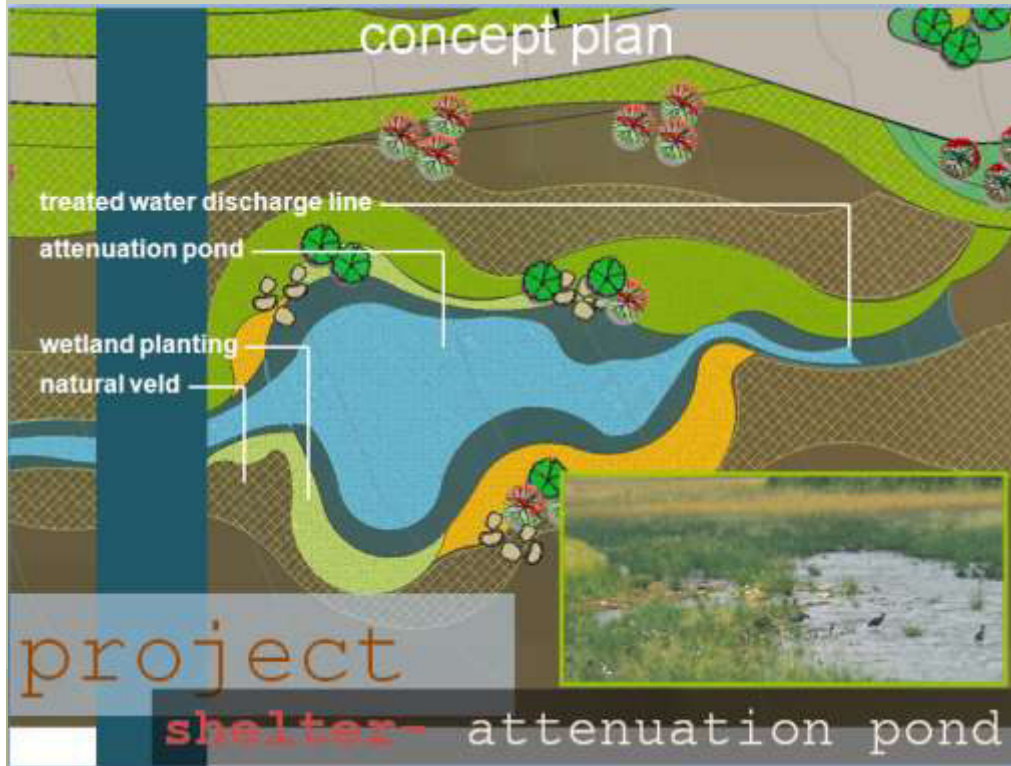


05 Landscape Projects- Current

051 Commercial



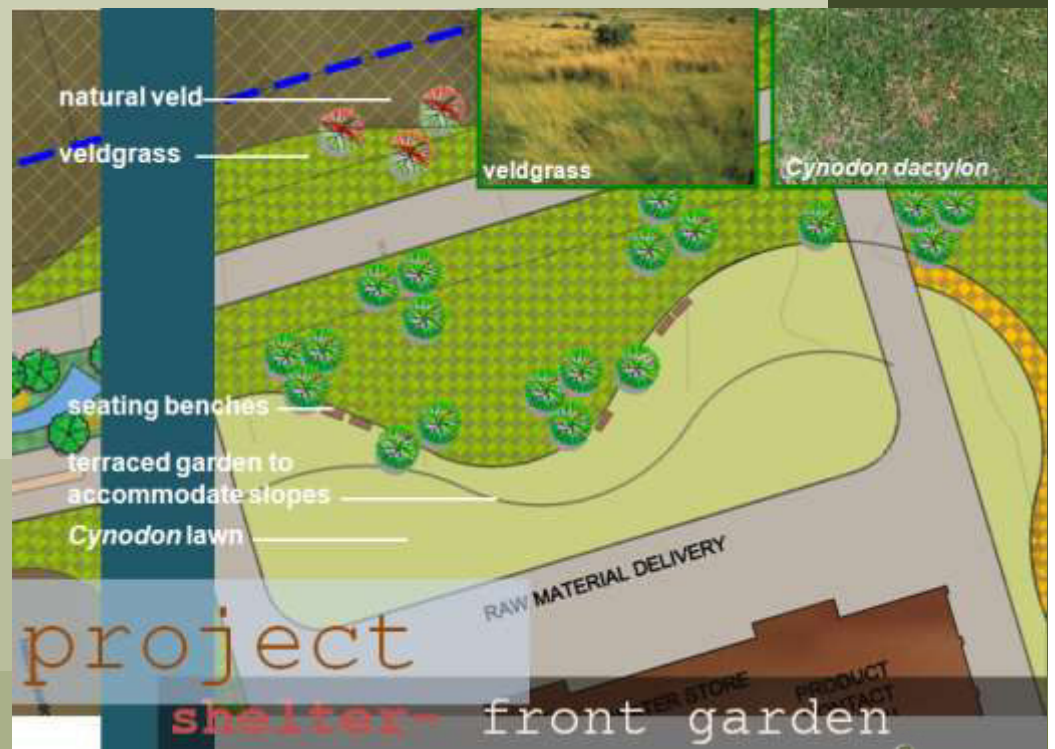
01 Valpre Bottling Plant, Heidelberg



05 Landscape Projects- Current

051 Commercial

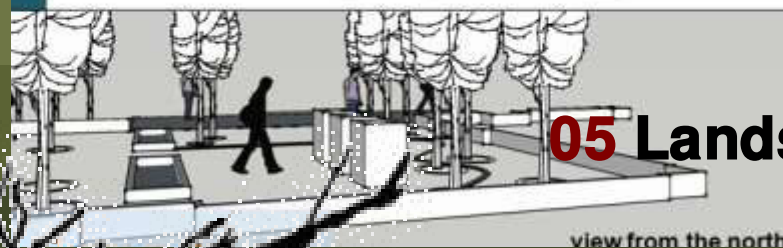
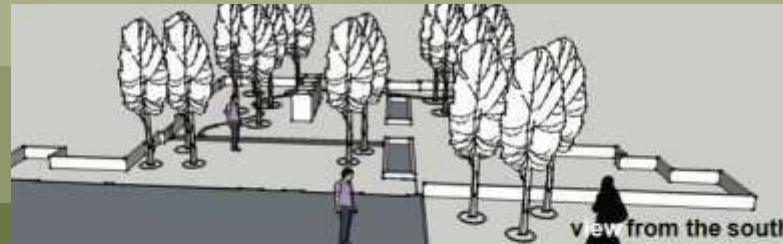
01 Valpre Bottling Plant, Heidelberg



05 Landscape Projects– Current

051 Commercial

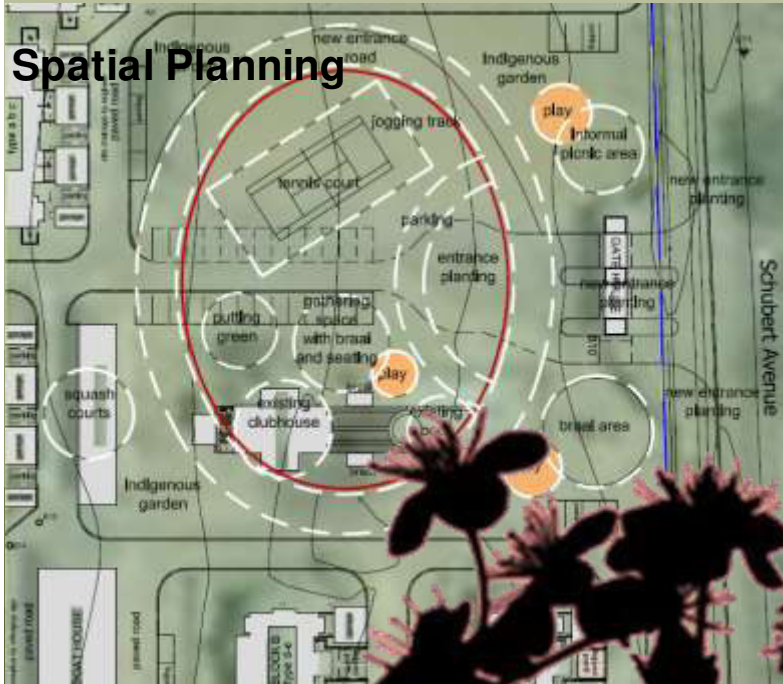
01 Valpre Bottling Plant, Heidelberg



05 Landscape Projects- Current

051 Commercial

02 Melodie Waters, Hartebeespoortdam



Streetscape

Indigenous Planting

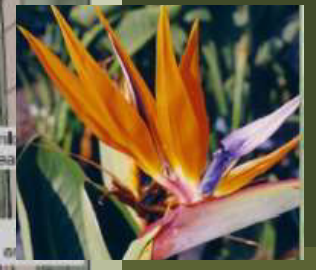


05 Landscape Projects – Current

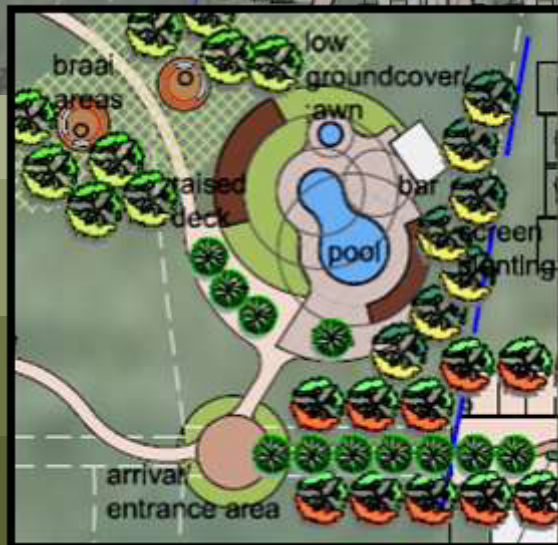
052 Commercial/Recreational



02 Melodie waters, Hartebeestpoortdam



Rehabilitation



Area Layout

Development Framework



05 Landscape Projects– Current

052 Commercial/Recreational

03 Grain Building, Pretoria



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05 Landscape Projects– Completed

053 Offices

04 Ismail Dawson offices, Pretoria



Bokamoso

05 Landscape Projects – Conceptual

053 Offices

05 Celtic Manor, Pretoria

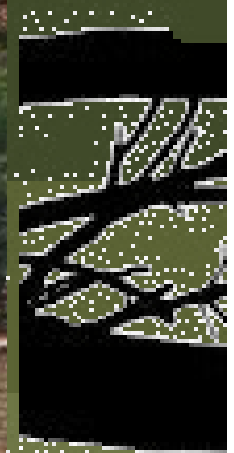
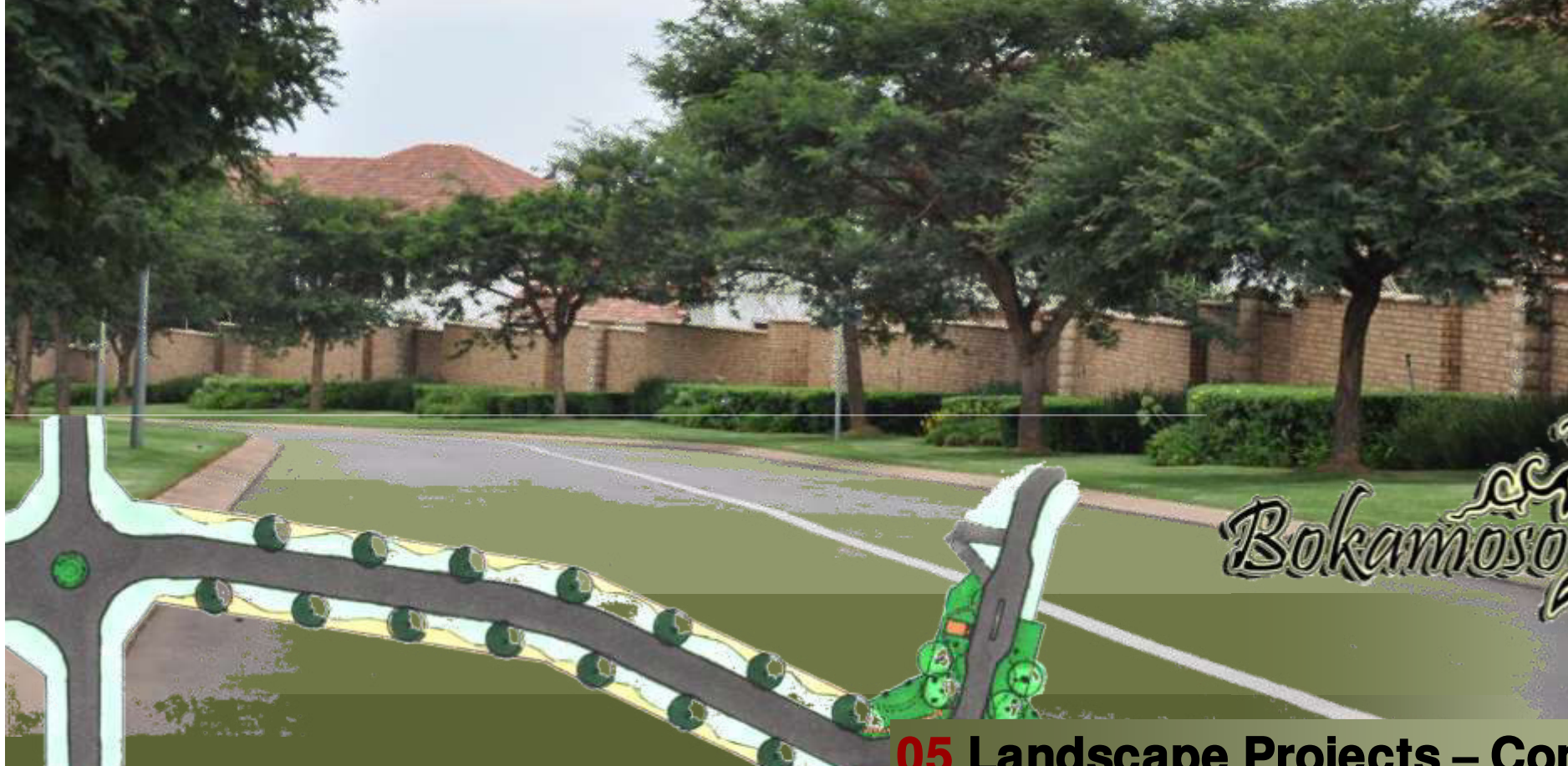


Bokamoso

05 Landscape Projects - Completed

054 Complex Development

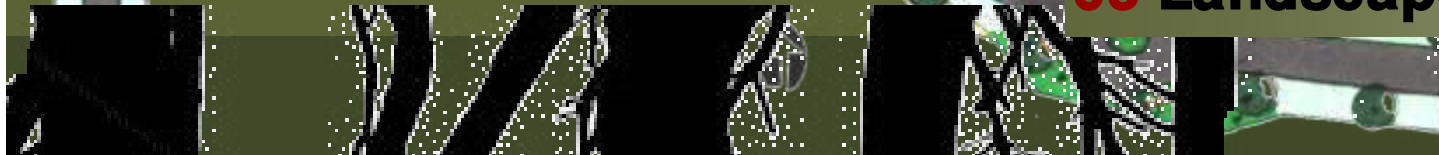
06 The Wilds, Pretoria



Bokamoso

05 Landscape Projects – Completed

054 Complex Development



07 The Wilds, Pretoria

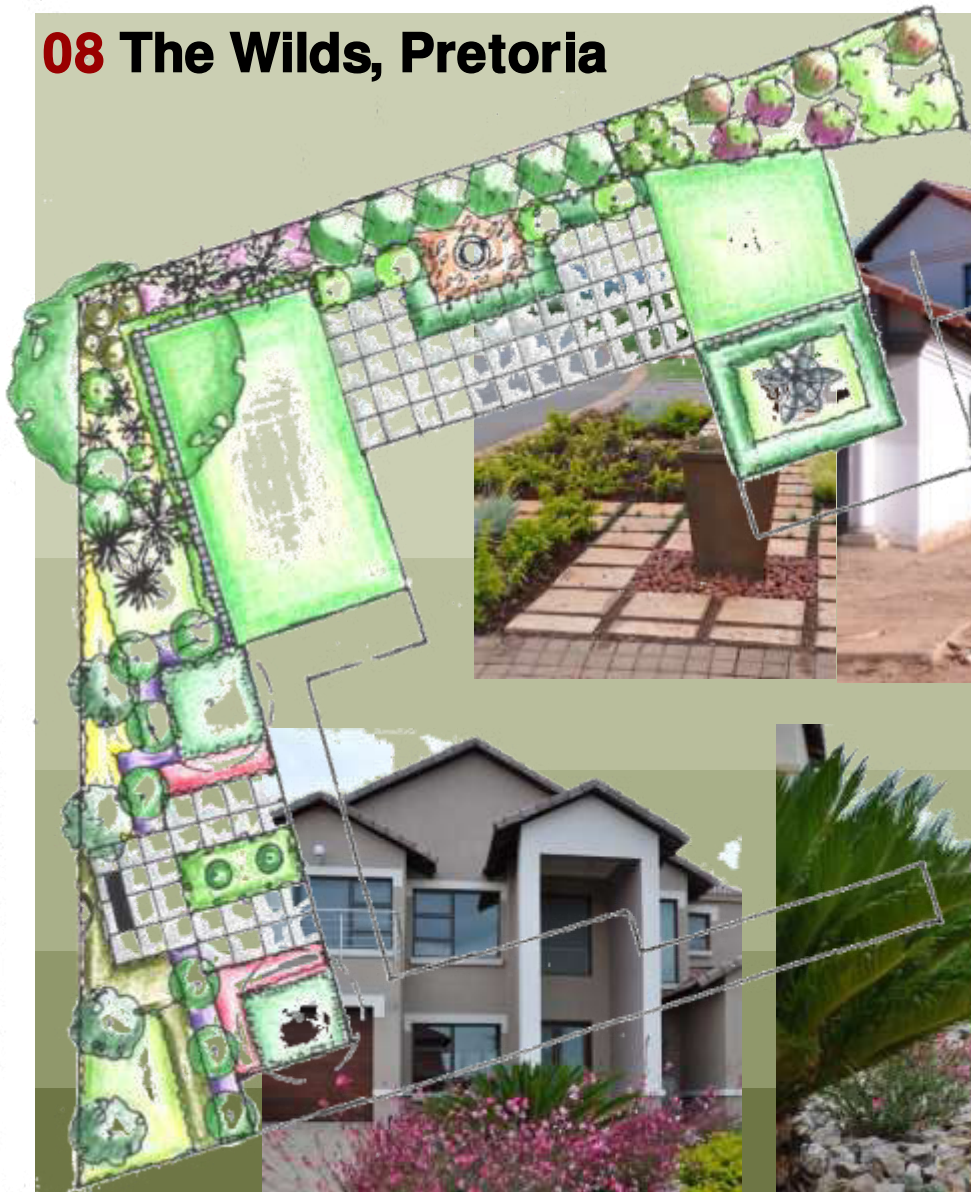


Bokamoso

05 Landscape Projects – Completed

055 Residential

08 The Wilds, Pretoria



Bokamoso

05 Landscape Projects – Completed

055 Residential

09 The Wilds, Pretoria



Bokamoso

05 Landscape Projects – Completed

055 Residential

010 The Wilds, Pretoria



05 Landscape Projects – Completed

055 Residential

011 Governor of Reserve Bank's Residence, Pretoria



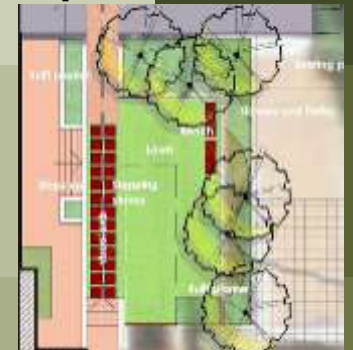
Plant Palette



Option 1



Option 2



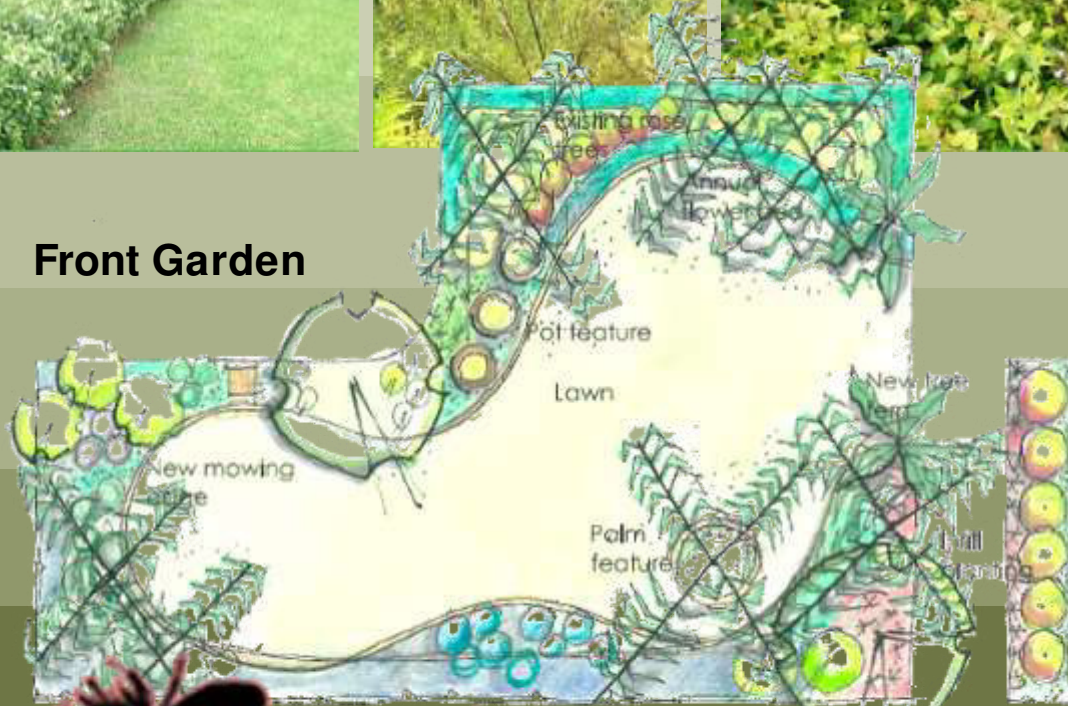
05 Landscape Projects – Conceptual

055 Residential

012 House Ismail, Pretoria



Front Garden



Back Garden



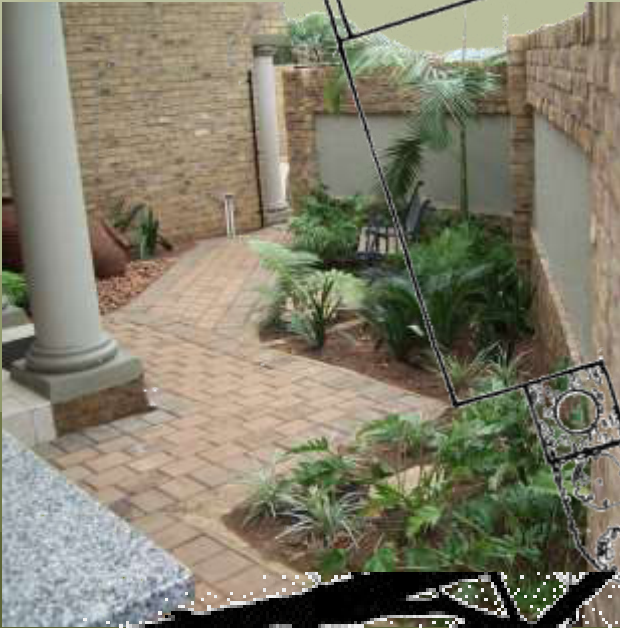
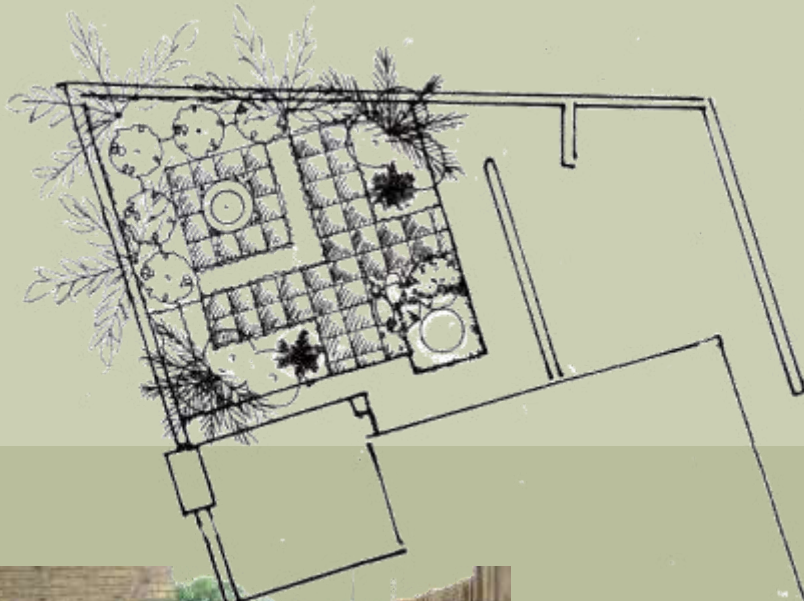
013 Forest Garden, Pretoria



05 Landscape Projects – Completed

055 Residential

015 Forest Garden, Pretoria



Bokamoso

05 Landscape Projects - Completed

055 Residential

01 Safari Garden Expo

Received a Silver Certificate at the Safari Garden Expo, 2010



06 Corporate Highlights

061 Awards

02 UNISA Sunnyside Campus, Pretoria

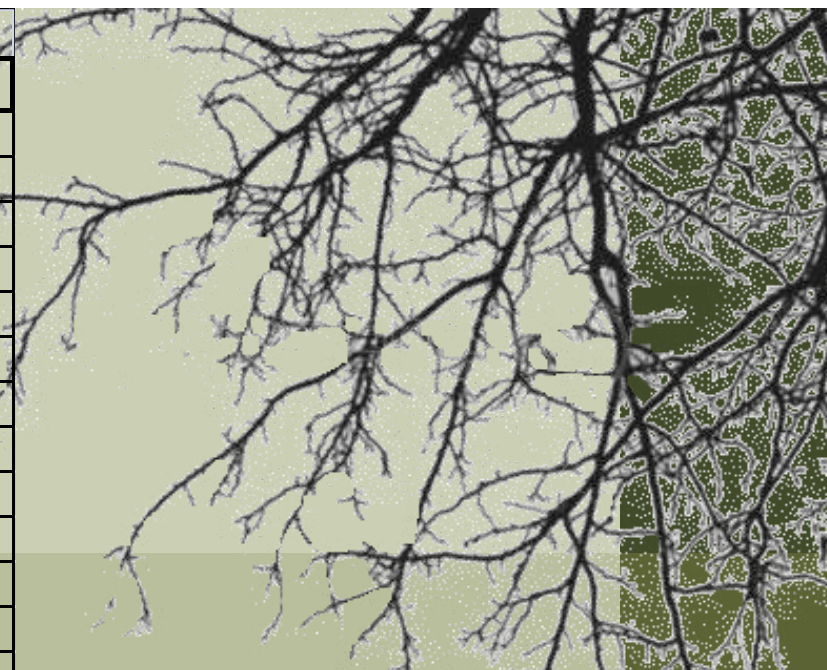
Best Commercial Paving Plan in Gauteng, 1997



06 Corporate Highlights

061 Awards

Project Name	Status	Project
Environmental Impact Assessment(EIA) and Scoping Report		
Junction 21	ROD	EIA
5 O'clock site access	In Progress	EIA
Bokamoso X 1	In Progress	Scoping & EIA
Doornvallei Phase 6 & 7	In Progress	EIA
Engen Interchange	In Progress	Scoping & EIA
Erasmia X15	In Progress	EIA
Franschkloof	In Progress	EIA
K113	Amendment of ROD	EIA
K220 East	ROD	EIA
K220 West	ROD	EIA
K54 ROD conditions	In Progress	EIA
Knopjeslaagte 95/Peachtree	ROD	EIA
Knopjeslaagte portion 20 & 21	ROD	EIA
Lillieslief/Nooitgedacht	In Progress	EIA
Mooiplaats 70 (Sutherland)	In Progress	EIA
Naauwpoort 1 - 12/Valley View	In Progress	EIA
PeachTree X5	In Progress	EIA
Strydfontein 60	In Progress	EIA
Thabe Motswere	In Progress	Scoping & EIA
Vlakplaats	In Progress	EIA
Waterval Valley	In Progress	EIA
Environmental Opinion		
Doornkloof 68 (Ross)	In Progress	Opinion
Monavoni X 53	In Progress	BA & Opinion
Mooikloof (USN)	In Progress	Opinion
Norwood Mall/Sandspruit	In Progress	Opinion
Riversong X 9	In Progress	Opinion
Sud Chemie	In Progress	Opinion
USN Benjoh Fishing Resort	In Progress	Opinion



The adjacent list host the status of our current projects. Only a selected amount of projects are displayed.



07 Current Environmental Projects

071 EIA, Scoping & Opinion

Project Name	Status	Project
Basic Assessment(BA)		
Annlin X 138	In Progress	BA
Clubview X 29	ROD	BA
Darrenwood Dam	In Progress	BA
Durley Holding 90 & 91	In Progress	BA
Elim	In Progress	BA
Fochville X 3	In Progress	BA
Hartebeeshoek 251	In Progress	BA
Klerksdorp (Matlosana Mall)	In Progress	BA
Monavoni External Services	ROD	BA
Monavoni X 45	Amendment of ROD	BA
Montana X 146	In Progress	BA
Rooihuiskraal X29	In Progress	BA
Thorntree Mall	In Progress	BA

Environmental control officer (ECO)		
Grace Point Church	In Progress	ECO
R 81	In Progress	ECO
Highveld X 61	In Progress	ECO
Mall of the North	In Progress	ECO
Olievenhoutbosch Road	In Progress	ECO
Orchards 39	In Progress	ECO
Pierre van Ryneveld Reservoir	In Progress	ECO
Project Shelter	In Progress	ECO

S24 G		
Wonderboom	In Progress	S24 G
Mogwasi Guest houses	Completed	S24 G



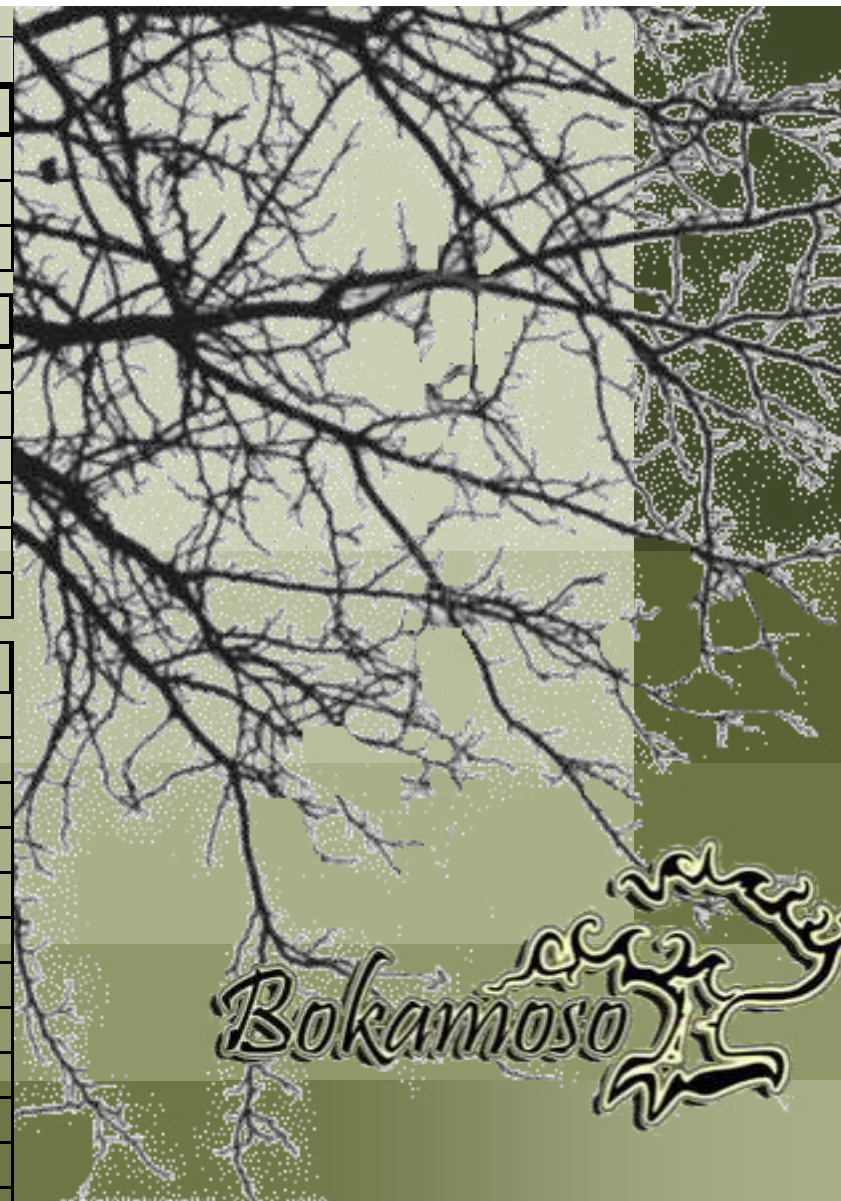
07 Current Environmental Projects

072 BA, ECO & S24 G

Project Name	Status	Project
Objection		
Colesberg WWTW	In Progress	Objection
Nigel Steelmill	Completed	Objection
Chantilly Waters	Completed	Objection

Development facilitation Act- Input (DFA)		
Burgersfort	In Progress	DFA & BA
Doornpoort Filling Station	In Progress	DFA & EIA & Scoping
Eastwood Junction	In Progress	DFA
Ingersol Road (Erf 78, 81 - 83)	In Progress	DFA
Roos Senekal	In Progress	DFA & EIA & Scoping
Thaba Meetse 1	In Progress	DFA & EIA & Scoping

Water Use License Act (WULA)		
Britstown Bulk Water Supply	In Progress	WULA
Celery Road / Green Channel	In Progress	WULA
Clayville X 46	In Progress	WULA
Dindingwe Lodge	In Progress	WULA
Doornpoort Filling Station	In Progress	WULA+DFA+EIA+SC
Eco Park Dam	In Progress	WULA
Groote Drift Potch	In Progress	WULA
Jozini Shopping Centre	In Progress	WULA+BA
K60	Completed	WULA
Maloto Roads	In Progress	WULA
Kwazele Sewage Works	In Progress	WULA
Monavoni External Services	In Progress	WULA+BA
Nyathi Eco Estate	In Progress	WULA
Prairie Giants X 3	In Progress	WULA
Waveside Water Bottling Plant	Completed	WULA



07 Current Environmental Projects

073 Objection, DFA & WULA

Project Name	Status	Project
Environmental Management Plan(EMP)		
Heidelberg X 12	ROD	EMP
Monavoni Shopping Centre	Completed	EMP
Forest Hill Development	Completed	EMP
Weltevreden Farm 105KQ	Completed	EMP+EIA
Raslouw Holding 93	Completed	EMP+BA
Durley Development	Completed	EMP+BA
Rooihuiskraal North X 28	Completed	EMP

Rehabilitation Plan		
Norwood Mall/Sandspruit	In Progress	Rehabilitation
Project Shelter Heidelberg	In Progress	Rehabilitation
Sagewood Attenuation Pond	ROD	Rehabilitation
Velmore Hotel	Completed	Rehabilitation
Grace Point Church	Completed	Rehabilitation
Mmamelodi Pipeline	Completed	Rehabilitation

Visual Impact Assessment		
Swatzkop Industrial Developme	Completed	Assessment +DFA
Erasmia	Completed	Assessment

Signage Application		
Menlyn Advertising	Completed	Signage
The Villa Mall	Completed	Signage+EMP+BA



07 Current Environmental Projects

074 EMP, Rehabilitation , Waste Management & Signage Application

- Billion Property Group
- Cavaleros Developments
- Centro Developers
- Chaimberlains
- Chieftain
- Century Property Group
- Coca Cola
- Elmado Property Development
- Flanagan & Gerard
- Gautrans
- Hartland Property Group
- Moolman Group
- MTN
- M&T Development
- Old Mutual
- Property Investment Company
- Petroland Developments
- RSD Construction
- SAND
- Stephan Parsons
- Twin City Developments
- Urban Construction
- USN



08 Indicative Clients



- Adobe Illustrator CS3
- Adobe Photoshop CS3
- Adobe InDesign CS3
- AutoCAD
- Google SketchUP
- GIS
- Microsoft Office Word
- Microsoft Office Excel
- Microsoft Office Publisher
- Microsoft Office Power Point

Bokamoso A stylized logo for 'Bokamoso' featuring the word in a decorative, outlined font next to a graphic element resembling a crown or a stylized tree top.



Annexure D

SR and PoS Approval



GAUTENG PROVINCE
AGRICULTURE AND RURAL DEVELOPMENT
REPUBLIC OF SOUTH AFRICA

Diamond Building, 11 Diagonal Street, Newtown, Johannesburg
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FAX COVER SHEET

Receiver's Details		Sender's Details	
To:	Anè Agenbacht	From:	Dan Motaung
Company:	Bokamoso Landscape Architects & Environmental Consultants		Impact Management
Fax no.	086 570 5659	Floor:	03 rd Floor Diamond Building
Tel no.	012 346 3810	Tel:	011 240 2574
Date:	2016	Pages:	3 including cover page
SUBJECT:	GAUT: 002/16-17/E0242 APPROVAL OF FINAL SCOPING REPORT (FSR) AND PLAN OF STUDY FOR EIA FOR THE PROPOSED CONSTRUCTION OF PWV 17 ROAD LOCATED SOUTH OF DELMAS ROAD AND EAST OF ELANDSFONTEIN ROAD ON THE FARM ELANDSFONTEIN 412 (PORTION 75), INTERSECTING GARSFONTEIN ROAD EITHER ON THE FARM GROOTFONTEIN 394 (PORTION 1) OR THE FARM TIEGER 371 (PORTIONS 2, 28, 245 AND 235), GRAHAM ROAD ON THE FARM ZWAVELPOORT 373 (PORTION 299 AND THE REMAINDER OF PORTION 250), BOSCHKOP ROAD ON THE FARM ZWAVELPOORT (PORTIONS 43 AND 34) AND TERMINATES AT A POINT EAST OF SILVERLAKES DRIVE AND SOUTH OF THE N4 OF THE FARM ZWARTKOPPIES 364, CITY OF TSHWANE METROPOLITAN MUNICIPALITY		

CC

Gauteng Department of Roads and Transport.

Attention: Zandile Mosia
Fax No: 086 592 8688
Tel No: 011 355 7247

CTMM: Open Space Management Section

Attention: Rudzani Mukheli
Fax No: 012 358 8934
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