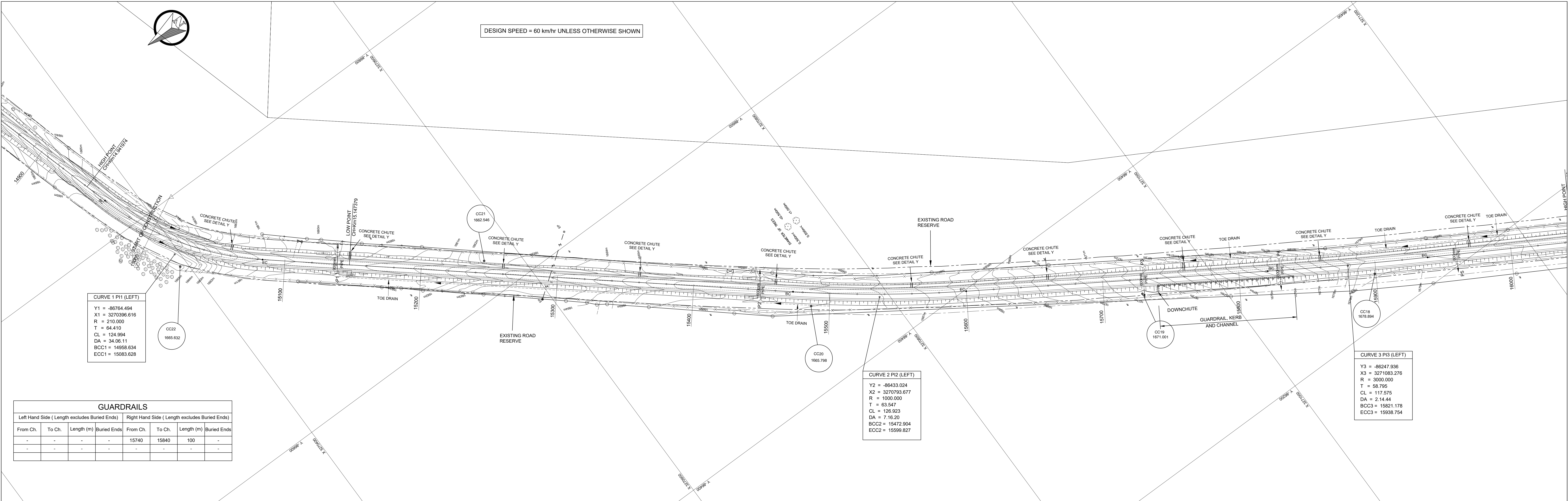




P130 CENTRELINE COORDINATES WGS 84 LO 29°

DISTANCE	Y	X
14900	-86882.747	3270362.615
15000	-86786.019	3270394.078
15100	-86712.725	3270458.630
15200	-86648.839	3270535.306
15300	-86584.554	3270612.162
15400	-86520.469	3270688.929
15500	-86456.387	3270765.598
15600	-86392.305	3270842.368
15700	-86328.223	3270919.138
15800	-86264.141	3271015.890
15900	-86200.059	3271100.701
16000	-86135.977	3271186.880

P130 HORIZONTAL DATA (WGS 84 LO 29°)

POINT	CHAINAGE	CO-ORDINATES WGS 84	CURVE DATA
BCC P11	14958.634	-86826.396 3270378.818	R = 210.000
PI1		-86784.494 3270396.616	T = 64.410
ECC P11	15083.628	-86723.210 3270446.062	CL = 124.994
			DA = 34.06.11
BCC P12	15472.904	-86473.748 3270744.894	R = 1000.000
PI2		-86433.024 3270793.677	T = 63.547
ECC P12	15599.827	-86398.802 3270847.222	CL = 126.923
			DA = 7.16.20
BCC P13	15821.178	-86279.599 3271033.735	R = 3000.000
PI3		-86247.936 3271083.276	T = 58.795
ECC P13	15938.754	-86218.239 3271134.020	CL = 117.575
			DA = 2.14.44

Existing Services	Legend
Eskom Cables	---
Telkom Cables	---
Water Pipes	---

Notation

BCC	Beginning of Circular Curve
ECC	End of Circular Curve
PI	Point of Intersection
R	Radius of Circular Curve
DA	Deflection Angle of Circular Curve
CL	Length of Circular Curve
T	Length of Curve Tangent
BT	Beginning of Taper
ET	End of Taper

CONCRETE LINED CHUTES DETAIL Y

Left Hand Side	
At Ch.	
15060	15560
15147	15660
15260	15760
15360	15860
15460	15970

V DRAINS

Left Hand Side				Right Hand Side				Comments
From Ch.	To Ch.	Outlet LHS	Length (m)	From Ch.	To Ch.	Outlet RHS	Length (m)	
15000	15048	15048	48	15000	15040	15040	40	1000 Concrete V-drain SD 0601/2

PIPE CULVERT SCHEDULE - P130 KM 15 TO KM 18												
Item No.	Peg Distance (m)	Size (mm)	Class	Bedding Type	Direction Culvert	Length (m)	Invert Left		Invert Right		Headwall	Drop Inlet
							Offset(m)	Level(m)	Offset(m)	Level (m)		
P1	15138.518	900mmØ	100D	C	127.48.25	15.000	8.500	1659.300	6.500	1659.450	2	-
P2	15448.822	600mmØ	100D	C	125.31.37	16.000	8.500	1664.700	7.500	1664.860	2	-
P3	15730.000	600mmØ	100D	C	122.35.00	16.500	8.800	1671.920	7.700	1671.530	2	-
P4	15830.000	600mmØ	100D	C	122.24.53	16.700	8.500	1676.280	8.200	1675.420	2	-
P5	15960.000	600mmØ	100D	C	120.20.16	15.400	8.400	1678.581	7.000	1679.350	2	-

SURVEY CONTROL CO-ORDINATES WGS 84 LO 29°

STATION	Y	X	Z
CC18	-86231.48	3271095.657	1678.894
CC19	-86320.693	3270950.029	1671.001
CC20	-86457.422	3270749.37	1665.798
CC21	-86626.143	3270576.181	1662.546
CC22	-86754.825	3270394.446	1665.632

KERB & CHANNEL AS PER DETAIL SD 0701/A

Left Hand Side			Right Hand Side		
From Ch.	To Ch.	Length (m)	From Ch.	To Ch.	Length (m)
15000	16000	1000	15740	15840	100

