CROSS DRAINAGE DETAILS (WGS)

S.K.D.	Type	Size (dia)	Class	Bedding Class	Length	Skew	Conc. Chutes	Reference Dwg	Side Inlet	Co-ordinates Y	Co-ordinates X	Grid Inlets	Co-ordinates Y	Co-ordinates X	Head Wall	Co-ordinates Y	Co-ordinates X	LHS / RHS	Grade (%)	Area (ha)	Discharge (m3/s)	Vel (m/s)	Remarks
6.980	C			SIDE OUTLET				SD 0603/A	-	-	-	-	-	-	-	-	-	RHS	-	-	-	-	-
7.060	C	-	-	-	-	-	1	SD 0604/A	-	-	-	-	-	-	-	-	-	LHS	-	-	-	-	NOTE 23
7.060	C	-	-	-	-	-	1	SD 0604/A	-	-	-	-	-	-	-	-	-	RHS	-	-	-	-	NOTE 23
7.100	C			SIDE OUTLET				SD 0603/A	-	-	-	-	-	-	-	-	-	RHS	-	-	-	-	-
7.170	C	-	-	-	-	-	1	SD 0604/A	-	-	-	-	-	-	-	-	-	LHS	-	-	-	-	NOTE 23
7.320	C			SIDE OUTLET				SD 0603/A	-	-	-	-	-	-	-	-	-	RHS	-	-	-	-	-
7.360	C	-	-	-	-	-	1	SD 0604/A	-	-	-	-	-	-	-	-	-	RHS	-	-	-	-	NOTE 23
7.370	C			SIDE OUTLET				SD 0603/A	-	-	-	-	-	-	-	-	-	RHS	-	-	-	-	-
7.480	C			SIDE OUTLET				SD 0603/A	-	-	-	-	-	-	-	-	-	RHS	-	-	-	-	-
7.510	C			SIDE OUTLET				SD 0603/A	-	-	-	-	-	-	-	-	-	RHS	-	-	-	-	-

SURFACE / SUB SURFACE DRAINAGE DETAILS

Legend	Type	LHS/RHS	Start Km	End Km	Length	Reference
	1000 V	RHS	6.900	7.000	100m	SD 0601
	1000 V	LHS	6.900	7.056	156m	SD 0601
	1000 V	RHS	7.056	7.120	64m	SD 0601
	Toe Drain	LHS	7.056	7.114	58m	
	1000 V	LHS	7.114	7.144	30m	SD 0601
	Toe Drain	RHS	7.120	7.143	23m	
	1000 V	RHS	7.143	7.280	137m	SD 0601
	Toe Drain	RHS	7.144	7.172	28m	
	1000 V	LHS	7.172	7.304	132m	SD 0601
	Toe Drain	LHS	7.304	7.396	92m	
	Toe Drain	RHS	7.360	7.414	54m	
	1000 V	LHS	7.396	7.517	120m	SD 0601
	1000 V	RHS	7.414	7.517	102m	SD 0601

GUARDRAIL / BARRIER DETAILS

Legend	Type	LHS/RHS	Start Km	End Km	Length	End Treatment	Reference

CATCH WATER BERM

Legend	LHS/RHS	Start Km	End Km	Length	Reference

KERB AND CHANNEL DETAILS

Legend	Type	LHS/RHS	Start Km	End Km	Length	Reference
	500 K & C	RHS	6,900	7,557	665 m	SD 0701

RETAINING WALL DETAILS

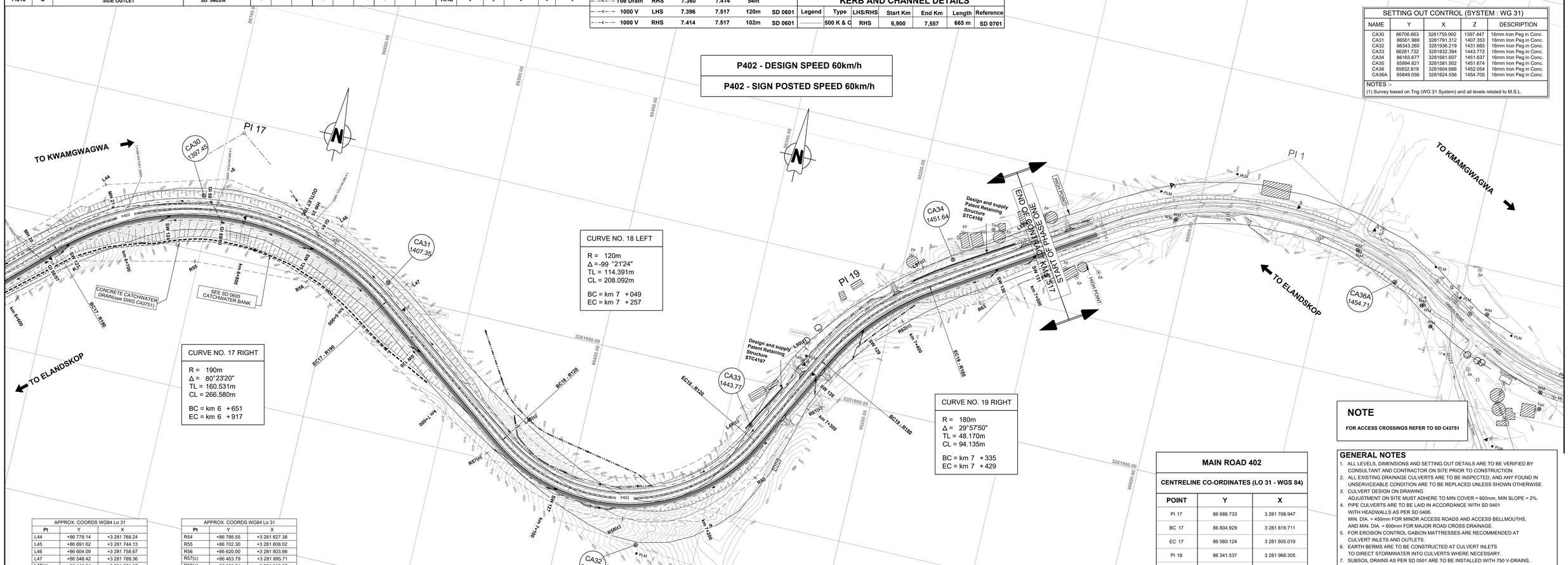
Legend	Type	LHS/RHS	Start Km	End Km	Length	Cut / Fill	Reference
	LOFFELSTEIN	LHS	7,260	7,300	40m	CUT	SD 0901
	LOFFELSTEIN	LHS	7,420	7,500	80m	CUT	SD 0901

SIDE WALK DETAILS

Legend	LHS/RHS	Start Km	End Km	Length	Reference
	RHS	0,000	7,517	7733m	SD 0203/1

P402 - DESIGN SPEED 60km/h

P402 - SIGN POSTED SPEED 60km/h


TO KWAMGWAGWA
TO ELANDSKOP
TO KWAMGWAGWA
TO ELANDSKOP
PI 17
PI 18
PI 19
PI 1
CA30 1397.45
CA31 1407.35
CA32 1431.66
CA33 1443.77
CA34 1451.64
CA36A 1454.71
CONCRETE CATCHWATER DRAIN(see DWG C43751)
SEE SD 0605 CATCHWATER BANK
Design and supply Patent Retaining Structure STC4186
Design and supply Patent Retaining Structure STC4187
END OF WIDENING PHASE ONE
START OF WIDENING PHASE TWO
HIGH POINT
km 0+000
km 0+500
km 1+000
km 1+500
km 2+000
km 2+500
km 3+000
km 3+500
km 4+000
km 6+700
km 7+000
km 7+500
km 7+400
km 7+300
km 7+200
km 7+100