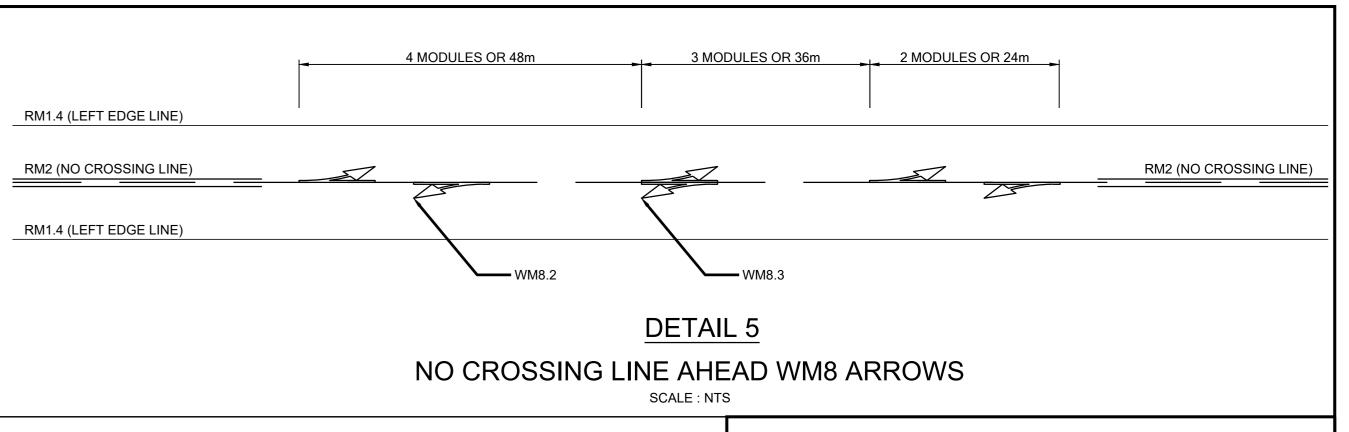


	0.0	
RM4.1 LEFT EDGE LINE	YELLOW LINE	
WM3 CENTER DIVIDING LINI	WW WHITE LINE	
DW 41557		
RM4.1 LEFT EDGE LINE	A YELLOW LINE	
	RY	
	DETAIL 3 RM4.1 & WM3 STUD POSITION SCALE N.T.S	

	DIAGONAL BAR (2 WAY TRAFFIC)	
	<u>2</u> 1	
_ 		
0.15	·o/	
	DETAIL 4	

DETAIL 4 (RM5) ROAD MARKING FOR PAINTED ISLANDS
SCALE N.T.S



ROAD MARKING SCHEDULE						
CODE	DESCRIPTION	COLOUR	WIDTH (mm)	LENGTH (m)	GAP (m)	STANDARD LENGTH(m)
RTM 1	STOP LINE	W	500	-	-	-
RTM 2	YIELD LINE	W	300	0.6	0.3	-
RTM 3	PEDESTRIAN CROSSING LINE	W	100	-	-	-
RTM 4	BLOCK PEDESTRIAN CROSSING MARKING	W	3000	0.6	0.6	-
RM 1	NO OVERTAKING LINE	W	100	-	-	-
RM 2	NO CROSSING LINE		SEE	DETAIL 2		
RM 3	CHANNELISING LINE	W	150	-	-	-
RM 4.1	LEFT EDGE LINE	Υ	100	-	-	-
WM2 (S)	CONTINUITY LINE STANDARD	W	100	2	4	-
WM3 (S)	DIVIDING LINE STANDARD	W	100	4	8	-
WM5	YIELD CONTROL AHEAD	W	-	4	-	-
WM6.3	LANE REDUCTION ARROWS	W	-	7.5	36	_
WM7.3	MANDATORY STRAIGHT ARROW AHEAD	W	-	4	36	-
GM3.1	LEFT ADDITIONAL LANE BIFURCATION ARROW	W	-	5		
GM1 (S)	LANE LINE STANDARD	W	100	2	4	
GM7	WORD MARKING	W	-	5.5	-	-

NOTE: PLEASE USE SPECIFICATIONS IN TABLE ABOVE UNLESS OTHERWISE SPECIFIED.

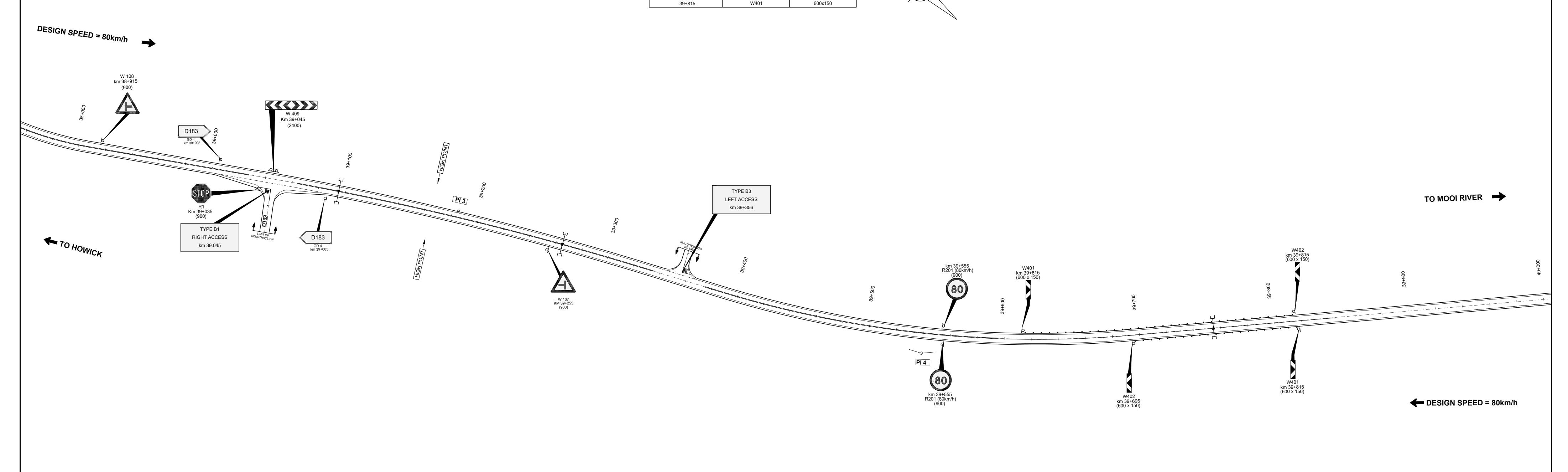
GENERAL NOTES

- ALL NEW ROAD SIGNS AND ROAD MARKING REQUIREMENTS ARE TO CONFORM TO THE SOUTHERN AFRICAN DEVELOPMENT COMMUNITY ROAD TRAFFIC SIGNS MANUAL (SADC-RTSM).
 - LINE MARKING AND ROAD STUDS ARE TO BE LINED UP ACROSS THE ROAD USING THE SADC-RTSM 12 METRE MODULE FOR RURAL ROADS. SEE SADC-RTSM
- VOLUME 1 PAGE 7.5.2. 3. LINE TYPES ON THE DRAWING MAY NOT BE A TRUE REPRESENTATION OF THE
- ACTUAL LENGTH AND GAP SPACING. ENSURE THAT THE LENGTH AND GAP SPACING INDICATED IN THE ROAD MARKING SCHEDULE TABLE IS UTILIZED.
- 4. LANE REDUCTION AND DIRECTIONAL ARROWS ARE TO BE PLACED AT 36 METRE SPACING UNLESS OTHERWISE SPECIFIED.
- ROAD STUDS ARE TO BE SPACED AT 24 METRES CENTRE TO CENTRE THROUGHOUT THE ENTIRE ROAD EXCEPT AT INTERSECTIONS WHERE THE SPACING WILL BE REDUCED TO 12 METRE CENTRE TO CENTRE OR WHERE OTHERWISE SPECIFIED.
- 6. FOR THE PLACEMENT AND COLOUR OF ROAD STUDS SEE SADC-RTSM VOLUME 1 PAGE 7.5.3 DETAIL 7.9.2.
- 7. ALL RM5 PAINTED ISLANDS TO CONFORM TO "DETAIL D" ILLUSTRATED ON THE
- 8. ALL ROAD MARKING TO BE VERIFIED WITH THE ENGINEER PRIOR TO FINAL
- 9. REFER TO KZN DOT STANDARD DETAILS FOR RELEVANT ACCESS ROAD PRIOR
- TO THE FINAL ROAD MARKING BEING UNDERTAKEN.
- CENTRELINE ROADMARKING FOR OVERTAKING TO BE CONFIRMED WITH THE RESIDENT ENGINEER PRIOR TO INSTALLATION OF FINAL ROAD MARKING.
- 11. REFER TO SD 314/A FOR PEDESTRIAN CROSSING DETAIL



SCALE N.T.S

ROAD SIGNAGE SCHEDULE				
KM RHS SIGN SIZE(mm)				
39+085	GD4	1240 x 380		
39+255	W107	900		
39+555	R201 (80km/h)	900		
39+695	W402	600x150		
39+815	W401	600x150		



FOR	APPROVAL

SYMBOL	DATE	DESCRIPTION	CHECKED	SIGNED

AMENDMENTS

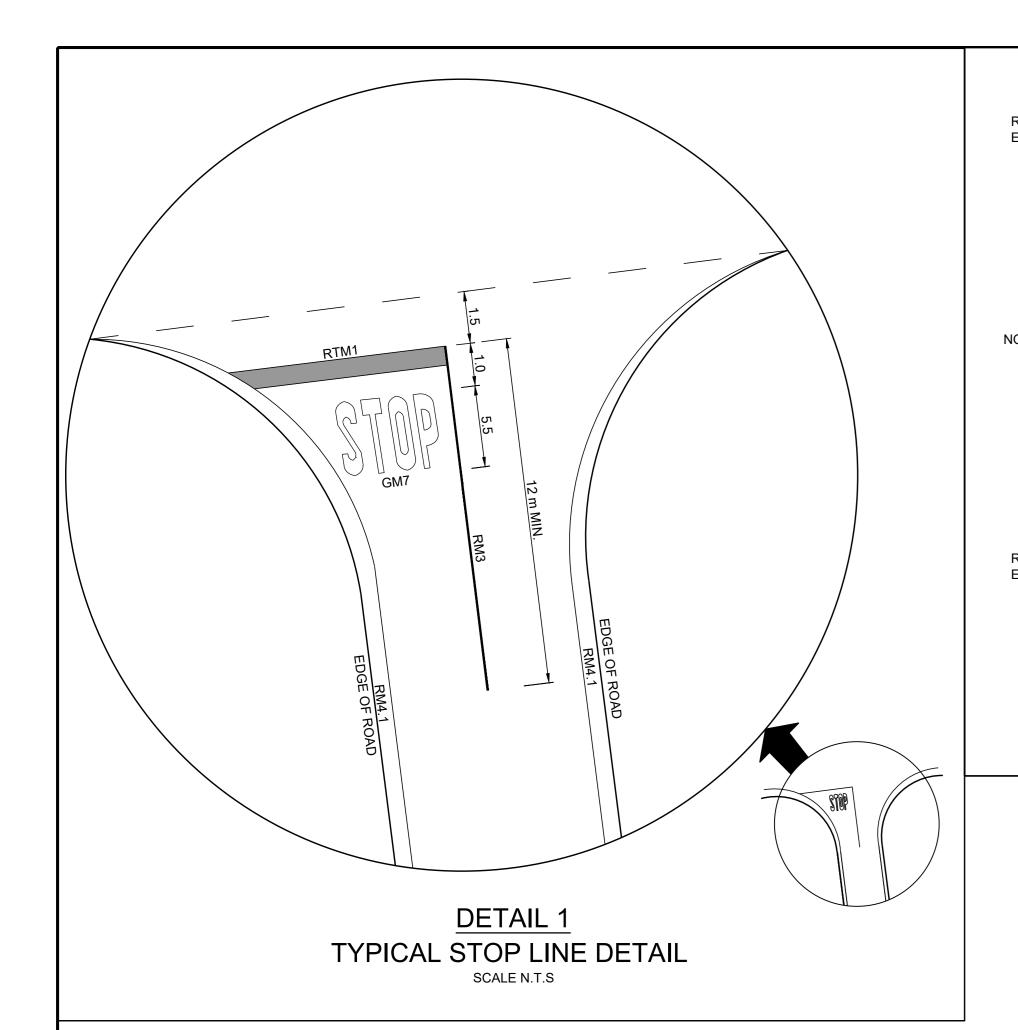
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PERVISING ENGINEER	DATE
SUPERVISING AUTHORITY	_

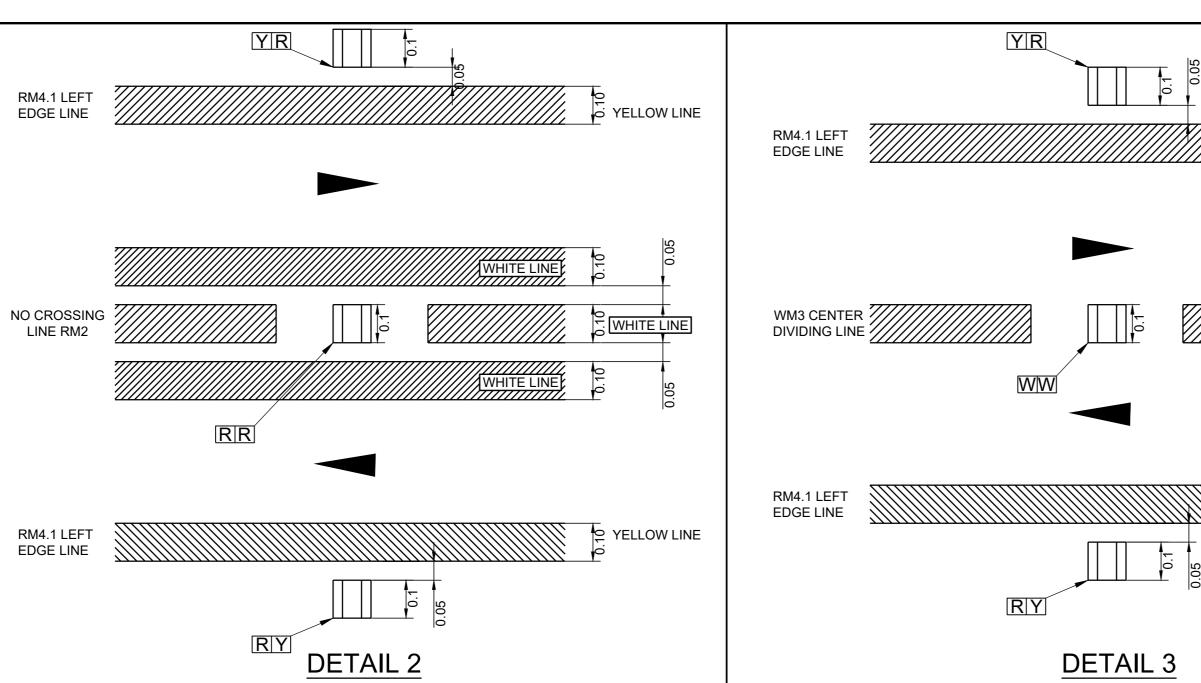
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	CROSS SECTION NO:	C 38633 to C 38635	DRAWN BY:	A. MABOSHEGO
	LONG SECTION NO:	C 38627	CHECKED BY:	M. NADASEN
-	NAIDU CONSULTING - (CONSULTING ENGINEER		
-	K. GOVE	NDER (Pr Eng 970276) SIG	N :	DATE:

Designed by:-	
NAIDU	
 Naidu Consulting no.:- D296/2901	

	transport	
MASISUKUME SAUSE	Department: Transport Province of KwaZulu-	

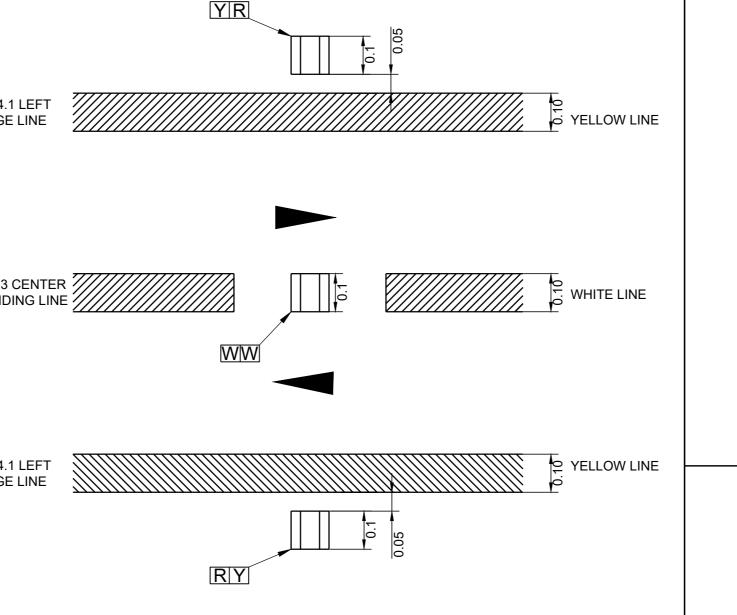
			STAKED KM DISTANCE	
rt	MAIN ROAD 165 (HOWICK - MOOI RIVER)			SHEET 2 OF 9
		PORTION	SCALE	PLAN No.
	TRANSPORTATION ENGINEERING: CHIEF ENGINEER	UPGRADING OF PORTION OF P165 : KM 38+295 - KM46+595		C 20647
waZulu-Natal		HOWICK TO MOOI RIVER	1 : 1000	C 38647
wazuiu-ivalai	HEAD : TRANSPORT	ROAD MARKING AND SIGNAGE PLAN		





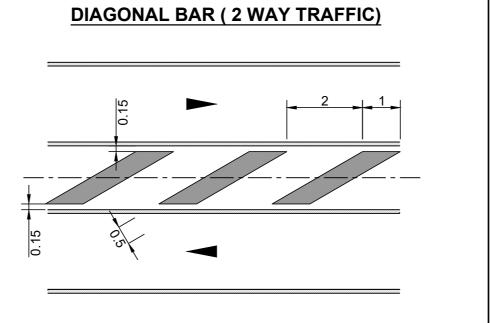
RM4.1 & RM2 STUD POSITION

SCALE N.T.S



RM4.1 & WM3 STUD POSITION

SCALE N.T.S



DETAIL 4 (RM5) ROAD MARKING FOR PAINTED ISLANDS SCALE N.T.S

CODE

RTM 3

RTM 4

RM 1

RM 2

RTM 1 STOP LINE RTM 2 YIELD LINE

RM 4.1 LEFT EDGE LINE

ROAD MARKING SCHEDULE

NOTE: PLEASE USE SPECIFICATIONS IN TABLE ABOVE UNLESS OTHERWISE SPECIFIED.

DESCRIPTION

BLOCK PEDESTRIAN CROSSING MARKING

PEDESTRIAN CROSSING LINE

NO OVERTAKING LINE

NO CROSSING LINE

CHANNELISING LINE

WM2 (S) CONTINUITY LINE STANDARD

WM6.3 LANE REDUCTION ARROWS

WM7.3 MANDATORY STRAIGHT ARROW AHEAD

GM3.1 LEFT ADDITIONAL LANE BIFURCATION ARROW

WM3 (S) DIVIDING LINE STANDARD

WM5 YIELD CONTROL AHEAD

GM1 (S) LANE LINE STANDARD

COLOUR WIDTH LENGTH GAP STANDARD (mm) (m) LENGTH(m)

0.6

0.6

3000

100

100

100

3 MODULES OR 36m RM1.4 (LEFT EDGE LINE) RM2 (NO CROSSING LINE) RM2 (NO CROSSING LINE) RM1.4 (LEFT EDGE LINE) DETAIL 5 NO CROSSING LINE AHEAD WM8 ARROWS SCALE: NTS

GENERAL NOTES

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- SPACING INDICATED IN THE ROAD MARKING SCHEDULE TABLE IS UTILIZED.

LANE REDUCTION AND DIRECTIONAL ARROWS ARE TO BE PLACED AT 36 METRE

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- PAGE 7.5.3 DETAIL 7.9.2. ALL RM5 PAINTED ISLANDS TO CONFORM TO "DETAIL D" ILLUSTRATED ON THE
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- 11. REFER TO SD 314/A FOR PEDESTRIAN CROSSING DETAIL



ROAD SIGNAGE SCHEDULE					
KM	RHS SIGN	SIZE(mm)			
40+075	W402	600 x 150			
40+085	W401	600 x150			
40+105	W402	600 x 150			
40+175	W401	600 x150			
40+355	W402	600 x 150			
40+495	W401	600 x150			
40+555	R201 (80km/h)	900			

DESIGN SPEED = 80km/h O000+000 TO HOWICK	TYPE B3 RIGHT ACCESS km 40.094 W402 km 40+085 (600 x 150) W401 km 40+085 (600 x 150) W401 km 40+085 (600 x 150)	W401 km 40+175 (600 x 150)	W401 km 40+395 (600 x 150) P15 W402 km 40+355 (600 x 150)	W401 km 40+455 (600 x 150) W402 km 40+555 (600 x 150) W402 km 40+555 (201 (80km/h)) (900)	W203 km 40/4855 (940) W203 km 40/475 (940)	TO MOOI RIVER W401 km 40+855 (000 x 150) R1 km 40+975 (600 x 150) Km 40+975 (600 x 150) S10P W402 Km 40+975 (600 x 150) S10P W409 Km 40+965 (2400)
						← DESIGN SPEED = 80km/h

SYMBOL	DATE	DESCRIPTION	CHECKED	SIGNED

AMENDMENTS

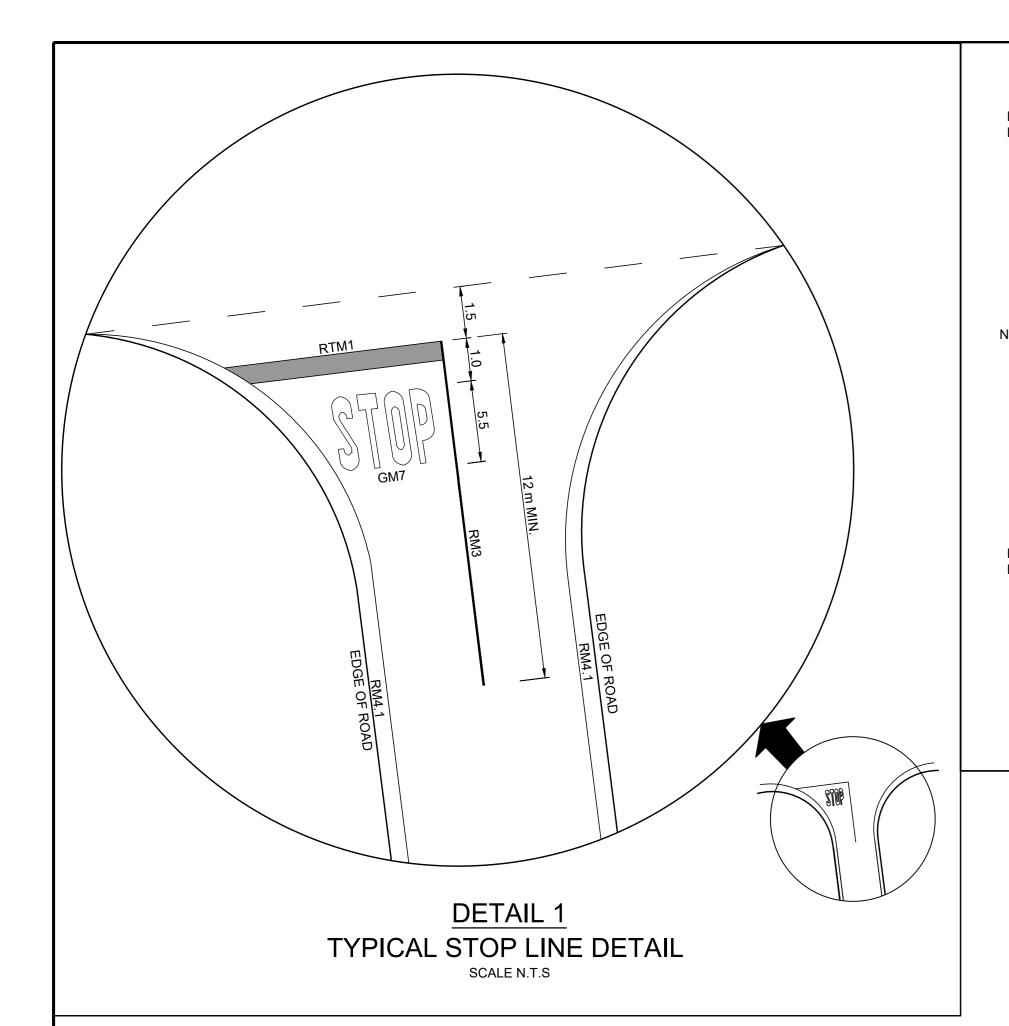
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SUPERVISING ENGINEER	DATE
SUPERVISING AUTHORIT	 Y

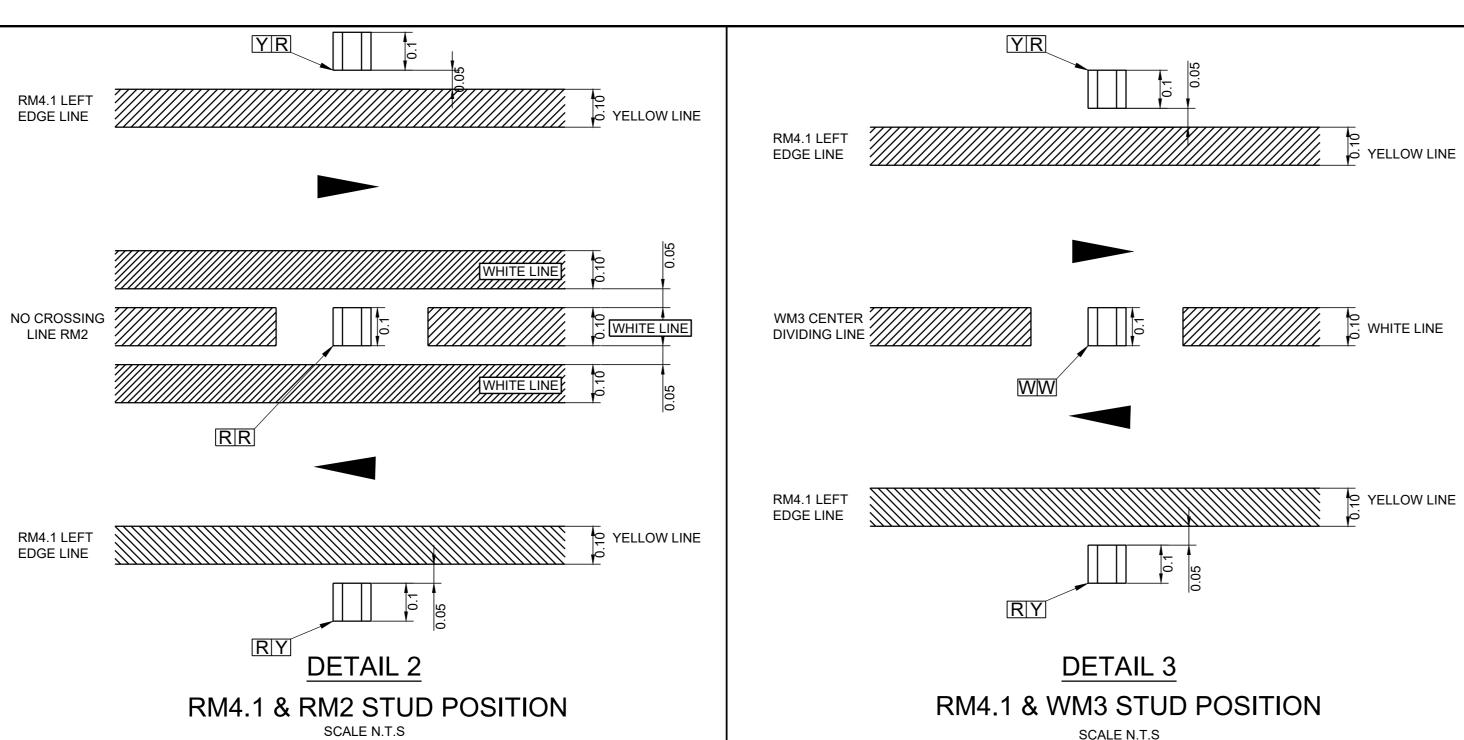
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	CONTINUED ON:	C 38649	CHECKED BY:	S. POPIS			
-	CROSS SECTION NO: (C 38635 & C 38636	DRAWN BY:	A. MABOSHEGO			
	LONG SECTION NO:	CHECKED BY:	M. NADASEN				
	NAIDU CONSULTING - C K. GOVEN	DATE:					



	transport
ANASISUKUME SAXSHE	Department: Transport Province of KwaZulu-Nata

TRANSPORTATION ENGINEERING: CHIEF ENGINEER UPGRADING OF PORTION OF P165 : KM 38+295 - KM46+595 HOWICK TO MOOI RIVER ROAD MARKING AND SIGNAGE PLAN 1 : 1000 C 38648		MAIN ROAD 165 (HOWICK - MOOI RIVER)	STAKED KM DISTANCE KM 39+920 - KM 40+920	SHEET 3 OF 9
	al	 UPGRADING OF PORTION OF P165 : KM 38+295 - KM46+595 HOWICK TO MOOI RIVER		





ROAD SIGNAGE SCHEDULE

LHS SIGN

W402

R201 (80km/h)

SIZE(mm)

600 x 150

600 x 150

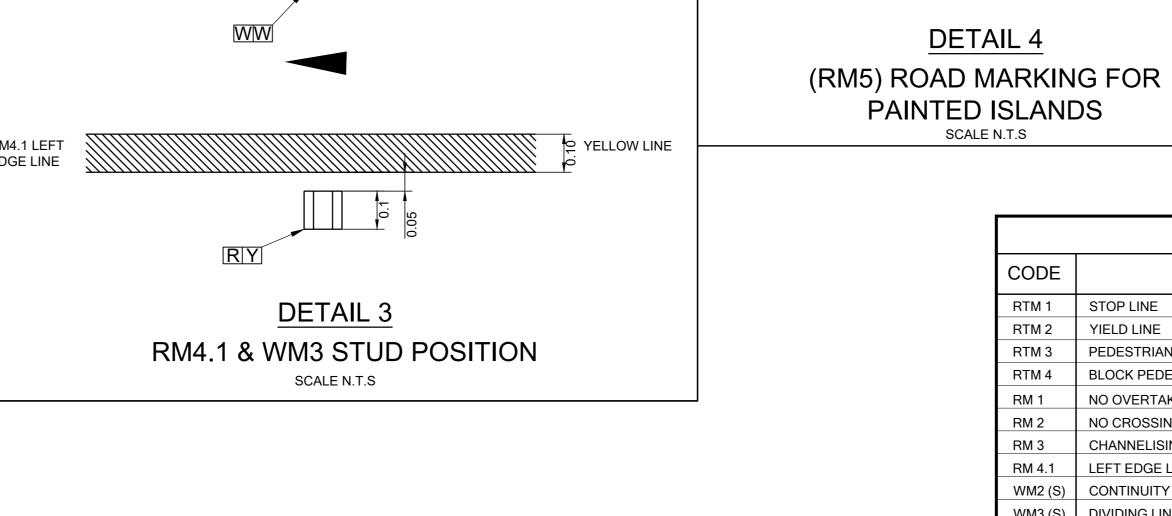
KM

40+955

40+975

40+975

41+115



ROAD SIGNAGE SCHEDULE

RHS SIGN

W402

W409

R201 (80km/h)

SIZE(mm)

600 x 150

2400

600 x150

KM

40+935

40+965

41+095

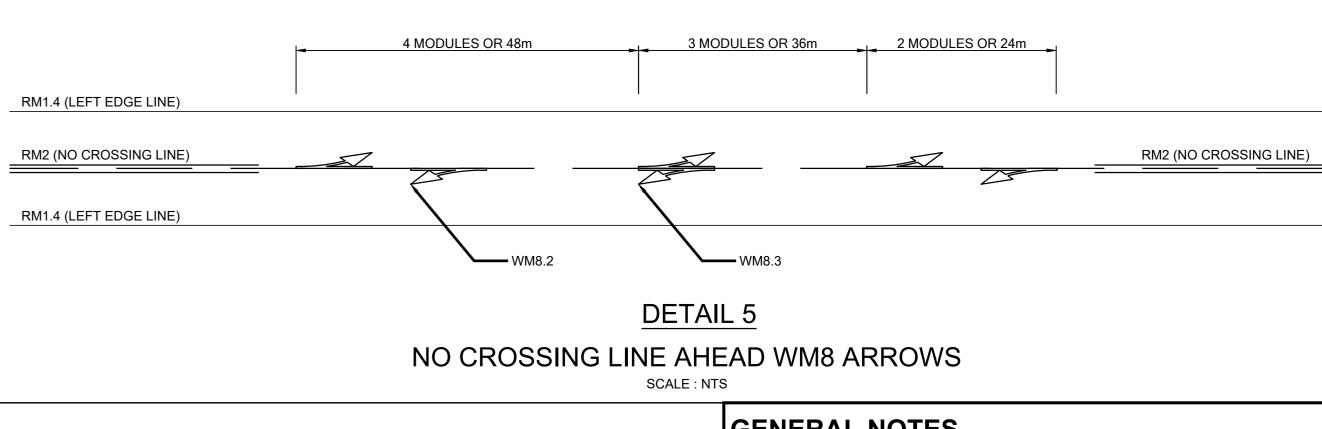
41+155

41+215 41+555

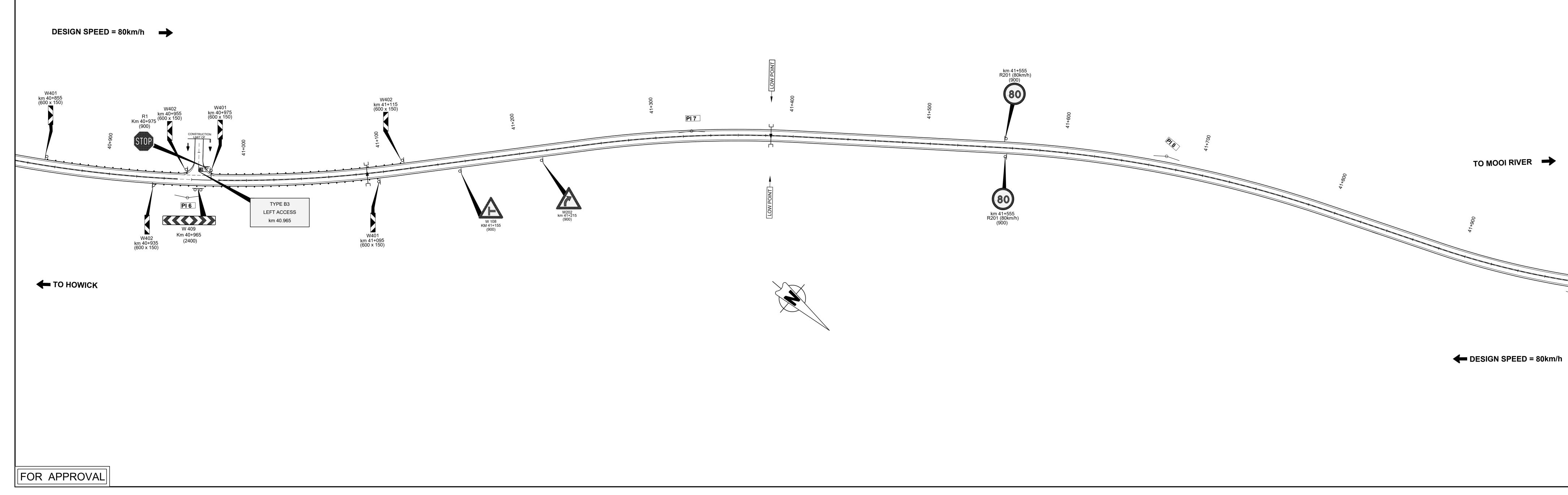
CODE	DESCRIPTION	COLOUR	WIDTH (mm)	LENGTH (m)	GAP (m)	STANDAF LENGTH(
RTM 1	STOP LINE	W	500	-	-	-
RTM 2	YIELD LINE	W	300	0.6	0.3	-
RTM 3	PEDESTRIAN CROSSING LINE	W	100	-	-	-
RTM 4	BLOCK PEDESTRIAN CROSSING MARKING	W	3000	0.6	0.6	-
RM 1	NO OVERTAKING LINE	W	100	-	-	-
RM 2	NO CROSSING LINE		SEE	DETAIL 2		
RM 3	CHANNELISING LINE	W	150	-	-	-
RM 4.1	LEFT EDGE LINE	Υ	100	-	-	_
WM2 (S)	CONTINUITY LINE STANDARD	W	100	2	4	_
WM3 (S)	DIVIDING LINE STANDARD	W	100	4	8	_
WM5	YIELD CONTROL AHEAD	W	-	4	-	_
WM6.3	LANE REDUCTION ARROWS	W	-	7.5	36	-
WM7.3	MANDATORY STRAIGHT ARROW AHEAD	W	-	4	36	-
GM3.1	LEFT ADDITIONAL LANE BIFURCATION ARROW	W	-	5		
GM1 (S)	LANE LINE STANDARD	W	100	2	4	
GM7	WORD MARKING	W	-	5.5	-	-

DIAGONAL BAR (2 WAY TRAFFIC)

DETAIL 4



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- 11. REFER TO SD 314/A FOR PEDESTRIAN CROSSING DETAIL



SYMBOL	DATE	DESCRIPTION	CHECKED	SIGNED
		AMENDMENTS		

AS BUILT SUPERVISING ENGINEER SUPERVISING AUTHORITY

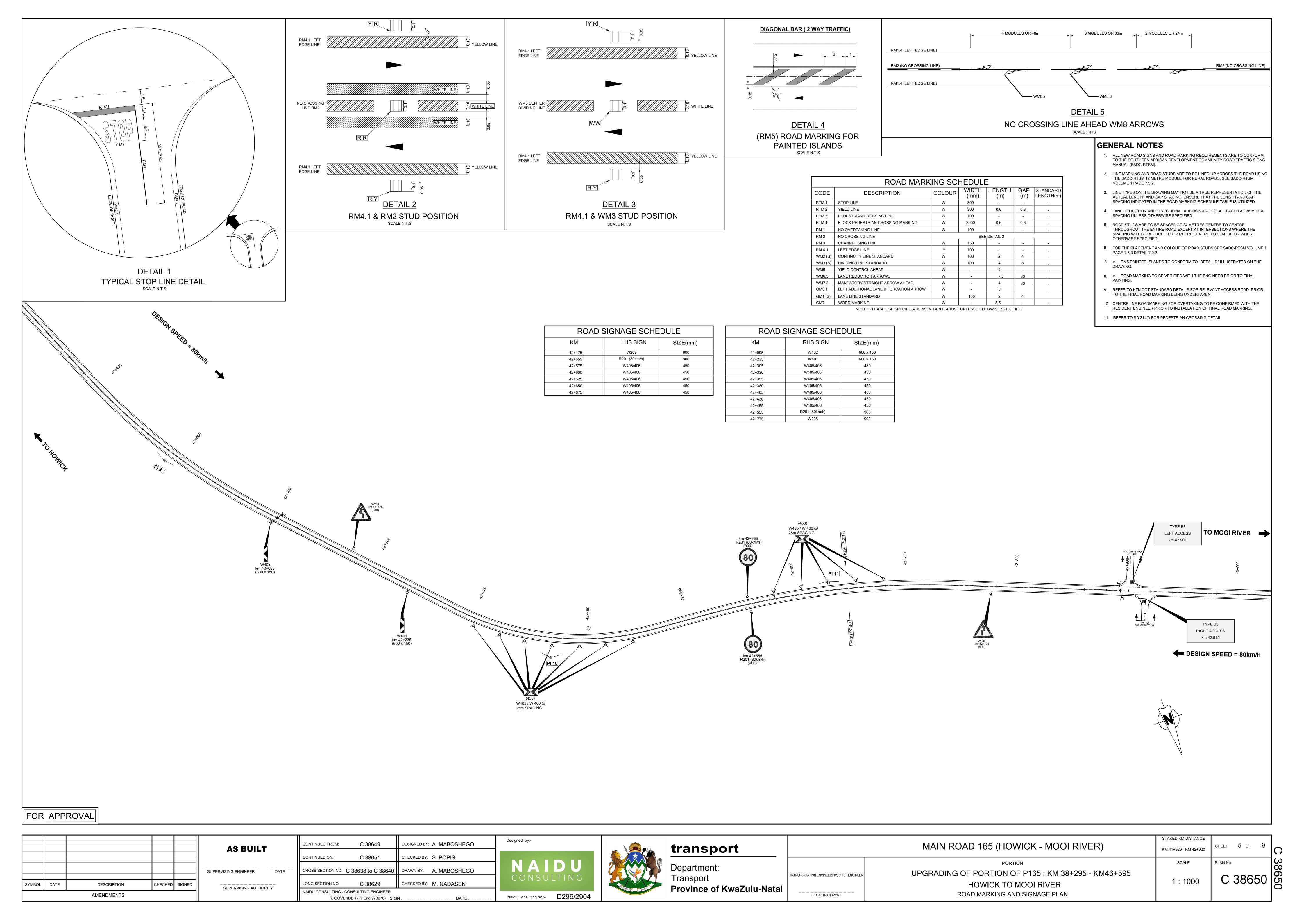
DESIGNED BY: A. MABOSHEGO C 38648 CHECKED BY: S. POPIS C 38650 CONTINUED ON: CROSS SECTION NO: C 38636 to C 38638 PRAWN BY: A. MABOSHEGO CHECKED BY: M. NADASEN C 38628 LONG SECTION NO: NAIDU CONSULTING - CONSULTING ENGINEER _ DATE :_ K. GOVENDER (Pr Eng 970276) SIGN:

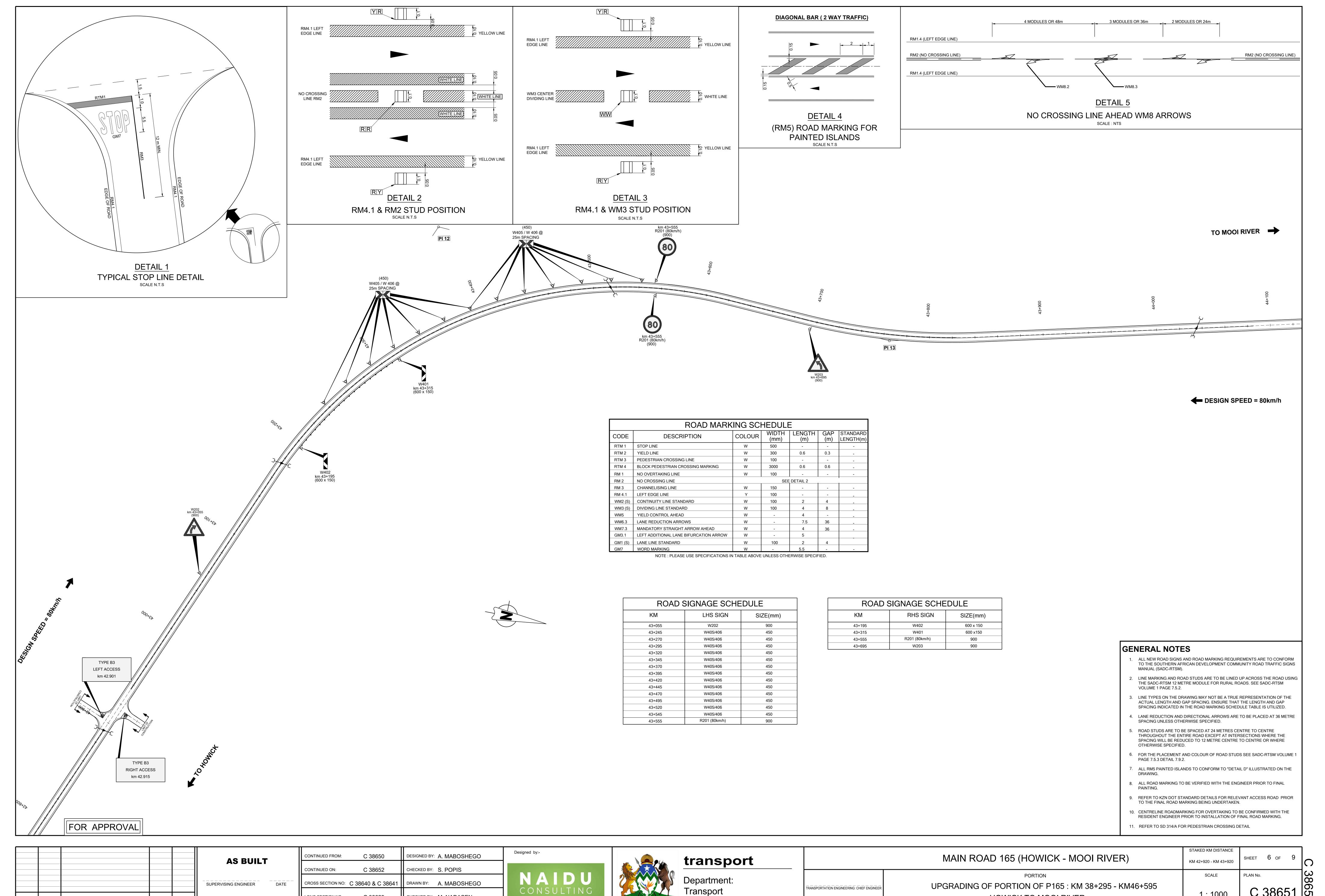
Naidu Consulting no.:- D296/2903



transport	
Department: Transport Province of KwaZulu-Natal	-

	MAIN ROAD 165 (HOWICK - MOOI RIVER)	KM 40+920 - KM 41+920
	PORTION	SCALE
RTATION ENGINEERING: CHIEF ENGINEER	UPGRADING OF PORTION OF P165 : KM 38+295 - KM46+595	
	HOWICK TO MOOI RIVER	1 : 1000
	ROAD MARKING AND SIGNAGE PLAN	





SYMBOL	DATE	DESCRIPTION	CHECKED	SIGNED		
	AMENDMENTS					

SUPERVISING AUTHORITY

CHECKED BY: M. NADASEN C 38629 LONG SECTION NO: NAIDU CONSULTING - CONSULTING ENGINEER DATE:_ K. GOVENDER (Pr Eng 970276) SIGN:_





Mandania	transport
	Department: Transport Province of KwaZulu-Natal

	1111 111 11 11 11 11 11 11 11 11 11 11
	PORTIO
TATION ENGINEERING: CHIEF ENGINEER	UPGRADING OF PORTION OF
	HOWICK TO M
HEAD : TRANSPORT	ROAD MARKING AND

MAIN ROAD 165 (HOWICK - MOOI RIVER)	KM 42+920 - KM 43+920	SHEET 6 OF 9
PORTION	SCALE	PLAN No.
UPGRADING OF PORTION OF P165 : KM 38+295 - KM46+595	1 : 1000	C 38651
HOWICK TO MOOI RIVER		
ROAD MARKING AND SIGNAGE PLAN		

