

# INTERIM SPEED MANAGEMENT PLAN



**TE WAIROA**  
**WAIROA DISTRICT**

Road Controlling Authority	Wairoa District Council
Submitted by	Wairoa District Council Land Transport team
NLTP Period	2021-2024, to include 2024-2027

## **PURPOSE & BACKGROUND**

Wairoa District Council (WDC) have prepared an interim speed management plan to reduce speeds in key locations, outside schools and along Marine Parade. The plan aims to adopt safe and appropriate speeds outside schools to enhance the safety of vulnerable users, most notably our tamariki in their travels to and from school. The plan also includes high pedestrian areas such as Marine Parade.

The interim plan initially focusses on the roads within the immediate vicinity of the schools, with adjacent areas being considered as part of the full speed management plan to be completed in 2024. Kōhanga Reo, Early Childhood Education centres, Marae and other community facilities are also currently not included in the interim speed management plan but will be as part of the full speed management plan.

In February 2022, a Speed Limit Assessment (using the safe and appropriate speed guidelines) was completed for the Wairoa District.

Due to timelines and direction from Waka Kotahi, an interim speed management plan was required so that specific changes can be made on the network, while a regional plan and a district full speed management plan is in development.

## **CONSULTATION**

Early and targeted engagement was undertaken throughout 2022 with:

Maori Standing Committee – The Land Transport team presented on the findings of the speed limit review and the vision for speeds moving forward. The Maori Standing Committee were supportive and expressed the views that more review needed going forward especially around Kohanga and early childcare facilities.

Police – Local Police were invited to a workshop/presentation on the speed limit review and the vision for speeds moving forward. There was full support for the interim plan, and a wider discussion would need to take place when rolling out further speed reduction initiatives i.e. urban/rural speed reductions.

Schools – priority schools (40% reduction by Jul 2024) were engaged with on site visits to discuss the key issues for each school and what is required to ensure Tamariki are kept safe. The school's visited were supportive and had suggestions around infrastructure improvements which would benefit them further which have been included in infrastructure improvement plans where appropriate.

In June/July 2023 Council went out for public consultation on the Interim Speed Management Plans, targeting more schools and business affected by these speed changes. When this submission period closed Council staff conducted a review of the consultation process and decided to open a second full consultation period to ensure Council was engaging with the whole community more.

## **WHY ARE WE DOING THIS?**

In response to a poor road safety record for the Wairoa district, improving road safety was a key focus of Council's Land Transport Activity Management Plan for 2021-24. Specific funding was set aside for safety improvements outside schools to protect our most vulnerable members of the community.

Furthermore, the new 'Land Transport Rule: Setting of Speed Limits 2022' required road controlling authorities (RCA's) to reduce speed limits outside 40% of the schools in their district by July 2024. The remaining schools must have speed reductions in place by July 2027. The maximum speed limit allowed is 30km/h (default), unless the RCA can demonstrate a higher speed limit is safe and appropriate, in this case a 40-60km/h maximum is allowed.

## **WHAT ARE THE PLANNED OUTCOMES?**

The interim speed management plan proposes the following speed limit changes (See Appendix 1 for further details):

- Marine Parade (Murrae Street – Campground) to 30km/h. Permanent speed limit change.
- Streets outside all schools to 30km/h. Except Mohaka & Putere to 60km/h, as the carparks for these schools are well off the road. School speed limit changes will be a mixture of variable and static (permanent) as per attached plans.
- Speed reductions will be supported with complimentary infrastructure such as speed humps, raised crossings, kerb build outs, signage, or road markings as appropriate. See Appendix 2 for draft designs for infrastructure improvements

**APPENDIX 1:**

**SUMMARY OF  
NEW SPEED LIMITS  
TO BE  
IMPLEMENTED**

# INTERIM SPEED MANAGEMENT PLAN

Road	One Network Framework Category	IRR Band	School Name	School Category	Commentary	RP Start	RP End	Length	Existing Speed	SaAS	Proposed Speed Limit	Description	NLTP Period
Speed Changes to be made during the 2021-24 LTP Period													
Marine Parade	Activity Street	Low Medium	-	-		0.500	1.290	0.79	50	30	30	Activity Street - Static Speed Signs	NLTP 21-24
Marine Parade	Activity Street	Low Medium	-	-		1.360	1.600	0.24	50	30	30	Activity Street - Static Speed Signs	NLTP 21-24
Queen Street	Activity Street	Low Medium	St Joseph's School (Wairoa)	1		1.026	1.244	0.218	50	30	30	Electronic Speed Signs, Raised Pedestrian Crossings	NLTP 21-24
Lucknow Street	Local Street	Low Medium	St Joseph's School (Wairoa)	1		0.868	0.997	0.129	50	30	30	Electronic Speed Signs, Additional Markings	NLTP 21-24
Kabul Street	Local Street	Medium	Wairoa Primary School	1		0.027	0.305	0.278	50	30	30	Electronic Speed Signs	NLTP 21-24
Campbell Street	Local Street	Medium	Wairoa Primary School	1		0.165	0.509	0.344	50	30	30	Electronic Speed Signs	NLTP 21-24
Brian Avenue	Local Street	Medium	Wairoa Primary School	1		0.000	0.320	0.32	50	30	30	Static Speed Signs	NLTP 21-24
Mahia East Coast Road	Stopping Place	High	Te Mahia School	1		4.455	4.677	0.222	50	50	30	Electronic Speed Signs, Speed Humps, Raised Pedestrian Crossing	NLTP 21-24
Lane Road	Peri-urban Road	High	Te Mahia School	1		0.000	0.058	0.058	50	50	30	Electronic Speed Signs, Additional Kerb Buildouts	NLTP 21-24
Ihaka Street	Peri-urban Road	Medium	Nuhaka School	1		0.117	0.359	0.242	50	50	30	Electronic Speed Signs, Additional Signs	NLTP 21-24
Mataira Street	Stopping Place	Medium	Nuhaka School	1		0.000	0.198	0.198	50	50	30	Electronic Speed Signs	NLTP 21-24
Tamakahu Street	Stopping Place	Medium	Nuhaka School	1		0.116	0.351	0.235	50	50	30	Electronic Speed Signs, Speed Humps	NLTP 21-24
Ruakituri Road	Rural Road	Medium	Ruakituri School	1		15.952	16.230	0.278	100	60	30	Electronic Speed Signs, Additional Gated threshold and Signs	NLTP 21-24
Speed Changes to be made during the 2024-27 LTP Period (No consultation undertaken with schools yet - exact sign locations are subject to change following consultation)													
Russell Parade North	Stopping Place/Peri-Urban	Medium	Frasertown School	1	Permanent Speed Limit Changes to align with Flood Damage Repair works (TBC)	0.105	0.560	0.455	50	30	30	TBC	NLTP 24-27
Humphries Street	Peri-urban Road	Medium	Frasertown School	1	Permanent Speed Limit Changes to align with Flood Damage Repair works (TBC)	0.430	0.539	0.109	50	30	30	TBC	NLTP 24-27
Carroll Street	Peri-urban Road	Medium	Frasertown School	1	Permanent Speed Limit Changes to align with Flood Damage Repair works (TBC)	0.000	0.040	0.04	50	30	30	TBC	NLTP 24-27
Mohaka Coach Road	Rural Road	Medium	Mohaka School	2	Carpark is well off road, limited interaction between kids and other road users	19.640	19.865	0.225	100	60	60	TBC	NLTP 24-27
Putere Road	Rural Connector	Medium High	Putere School	2	Carpark is well off road, limited interaction between kids and other road users	22.370	22.620	0.25	100	60	60	TBC	NLTP 24-27
Okare Road	Rural Road	Medium High	Ohuka School	1		0.060	0.260	0.2	100	30	30	TBC	NLTP 24-27
Black Street	Activity Street	Low Medium	Wairoa College	1		0	0.185	0.185	50	30	30	TBC	NLTP 24-27
Mitchell Road	Local Street	Medium	Wairoa College	1		0	0.04	0.04	50	30	30	TBC	NLTP 24-27
Lucknow Street	Activity Street	Low Medium	Wairoa College	1		1.235	1.535	0.3	50	30	30	TBC	NLTP 24-27
King Street	Local Street	Low	Wairoa College	1		0.2	0.242	0.042	50	30	30	TBC	NLTP 24-27
Kitchener Street	Local Street		Te Kura Kaupapa Māori o Ngati Kahungunu o Te Wairoa	1	Combine Speed zone with Tiaho	0.425	0.925	0.5	50	30	30	TBC	NLTP 24-27
Clyde Road	Local Street		Tiaho Primary School	1		1.055	1.255	0.2	50	30	30	TBC	NLTP 24-27

- **Category 1 schools** require a safe and appropriate speed limit on the roads and/or streets outside the school to be 30km/h (permanent or variable), or where pre-existing 40 km/h speed limits are retained as in interim measure.
- **Category 2 schools** are those where the RCA deems a safe and appropriate speed limit of 60km/h or less (permanent or variable) is suitable for the roads and/or streets outside the school.

**APPENDIX 2:**

**DRAFT**

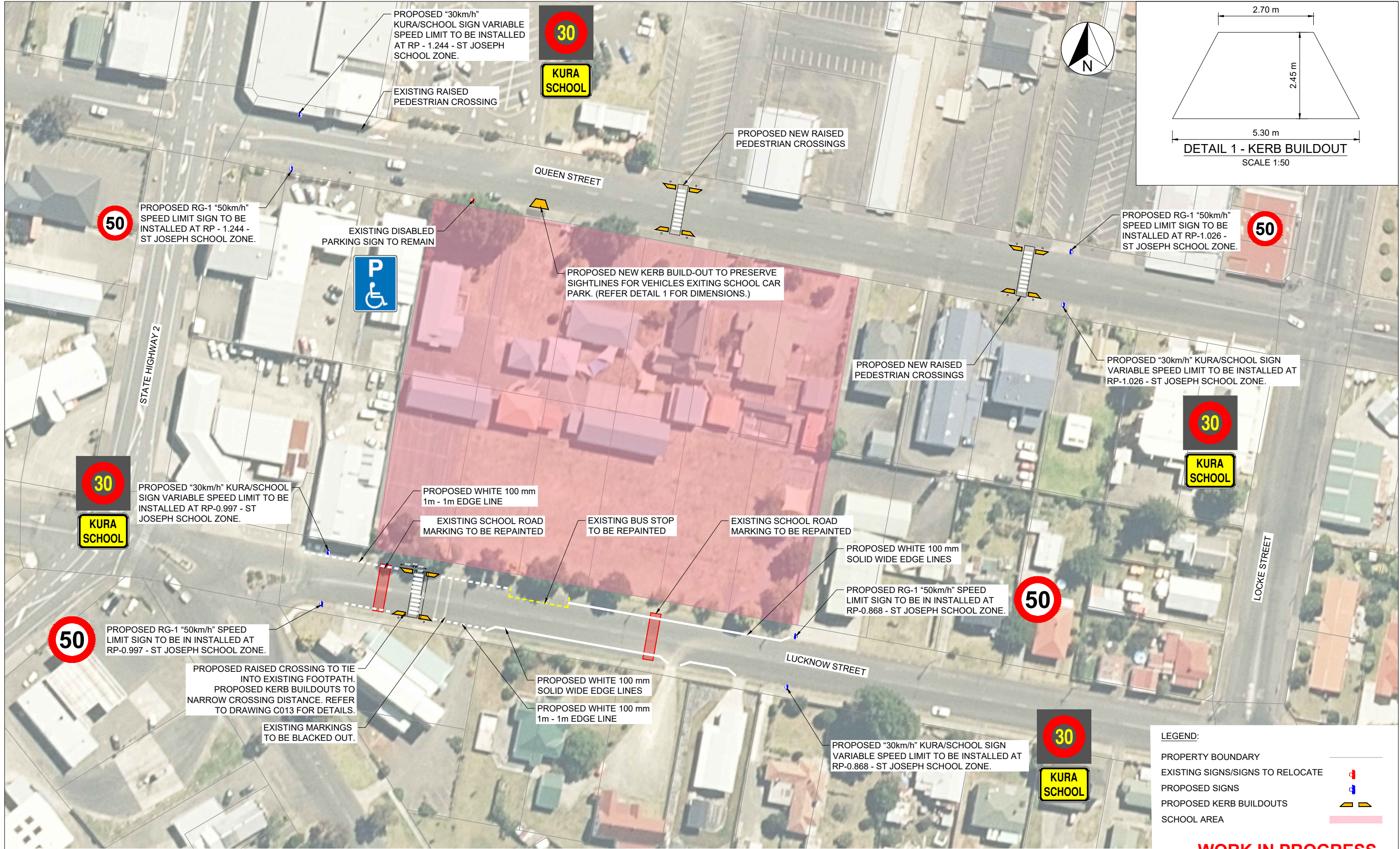
**INFRASTRUCTURE**

**IMPROVEMENTS TO**

**ACCOMPANY**

**SPEED LIMIT**

**CHANGES**



300 mm  
200  
100  
50  
0 10 mm

**LEGEND:**

- PROPERTY BOUNDARY
- EXISTING SIGNS/SIGNS TO RELOCATE
- PROPOSED SIGNS
- PROPOSED KERB BUILDOUTS
- SCHOOL AREA

**WORK IN PROGRESS**  
PRINTED 11/05/2023 8:35:56 am

1:500 @ A1  
1:1000 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	CONCEPT DESIGN	B.T	



**wsp**  
Napier Office  
+64 6 833 5100  
Private Bag 6019  
Napier 4142  
New Zealand

TRANSPORT

SCALES	DESIGNED	APPROVED	ORIGINAL SIZE
1:500	G.RANDALL	B. THOMSON	A1
DRAWN	D.JOSHY/J.HOBSON	DESIGN VERIFIED	APPROVED DATE
DRAWING VERIFIED	G.RANDALL	YYYY-MM-DD	

CONCEPT DESIGN

PROJECT  
WAIROA DISTRICT COUNCIL  
WAIROA, NUHAKA AND MAHIA  
SCHOOL SPEED MANAGEMENT PLANS  
TITLE  
ST JOSEPH'S SCHOOL, QUEEN STREET, WAIROA  
PROPOSED SIGNAGE PLANS  
WSP PROJECT NO. (SUB-PROJECT)  
2-S5555.20  
SHEET NO.  
C001  
REVISION  
A



300 mm  
200  
100  
50  
0 10 mm

1:1000 @ A1  
1:2000 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	CONCEPT DESIGN	B.T	



**wsp**  
Napier Office  
+64 6 833 5100  
Private Bag 6019  
Napier 4142  
New Zealand

TRANSPORT

SCALES	DESIGNED	APPROVED	ORIGINAL SIZE
1:1000	D.JOSHY/J.HOBSON	B. THOMSON	A1
DRAWN	G.RANDALL	APPROVED DATE	
P.BIRSE	G.RANDALL	YYYY-MM-DD	

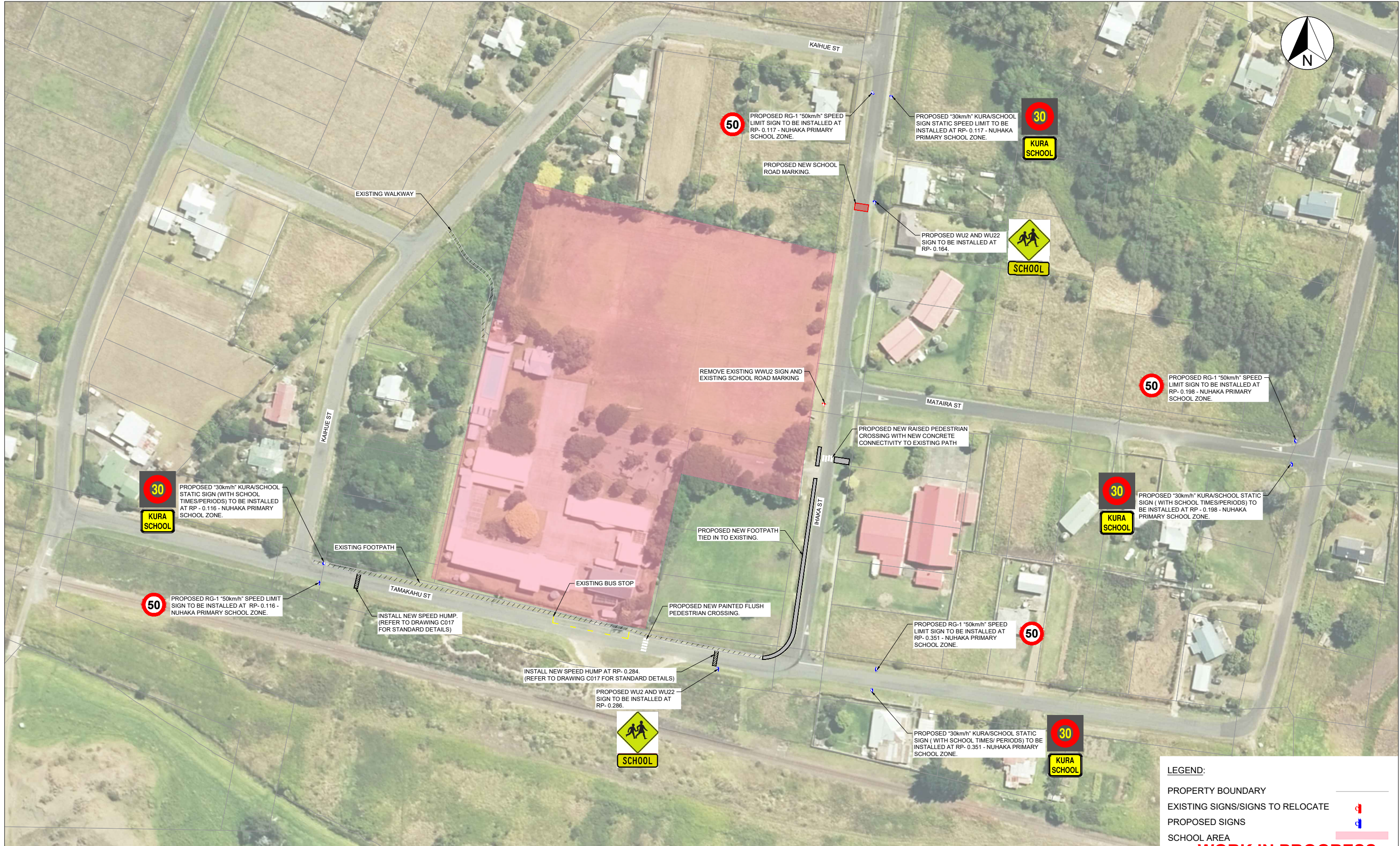
CONCEPT DESIGN

PROJECT	TITLE	WSP PROJECT NO. (SUB-PROJECT)	SHEET NO.	REVISION
WAIROA DISTRICT COUNCIL WAIROA, NUHAKA AND MAHIA SCHOOL SPEED MANAGEMENT PLANS	WAIROA PRIMARY SCHOOL, CAMPBELL STREET, WAIROA PROPOSED SIGNAGE PLANS	2-S5555.20	C002	A

**LEGEND:**  
PROPERTY BOUNDARY  
EXISTING SIGNS/SIGNS TO RELOCATE  
PROPOSED SIGNS  
PROPOSED KERB BUILDOUTS  
SCHOOL AREA

**WORK IN PROGRESS**  
PRINTED 11/05/2023 8:35:58 am

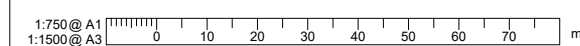




**LEGEND:**

- PROPERTY BOUNDARY
- EXISTING SIGNS/SIGNS TO RELOCATE
- PROPOSED SIGNS
- SCHOOL AREA

**WORK IN PROGRESS**  
PRINTED 11/05/2023 8:35:59 am



REVISION	AMENDMENT	APPROVED	DATE
A	CONCEPT DESIGN	B.T	



**wsp**  
 Napier Office  
 +64 6 833 5100  
 Private Bag 6019  
 Napier 4142  
 New Zealand

TRANSPORT

SCALES		ORIGINAL SIZE
1:750		A1
DRAWN	DESIGNED	APPROVED
D.JOSHY/J.HOBSON	G.RANDALL	B. THOMSON
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
P.BIRSE	G.RANDALL	YYYY-MM-DD

**CONCEPT DESIGN**

PROJECT  
**WAIROA DISTRICT COUNCIL  
 WAIROA, NUHAKA AND MAHIA  
 SCHOOL SPEED MANAGEMENT PLANS**

TITLE  
**NUHAKA PRIMARY SCHOOL, IHAKA STREET, NUHAKA  
 PROPOSED SIGNAGE PLANS**

WSP PROJECT NO. (SUB-PROJECT)  
 2-S5555.20

SHEET NO.  
 C003

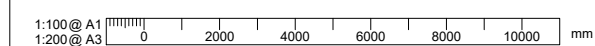
REVISION  
 A



**LEGEND:**

- PROPERTY BOUNDARY
- EXISTING SIGNS/SIGNS TO RELOCATE
- PROPOSED SIGNS
- SCHOOL AREA

**WORK IN PROGRESS**  
 PRINTED 11/05/2023 8:36:02 am



REVISION	AMENDMENT	APPROVED	DATE
A	CONCEPT DESIGN	B.T	



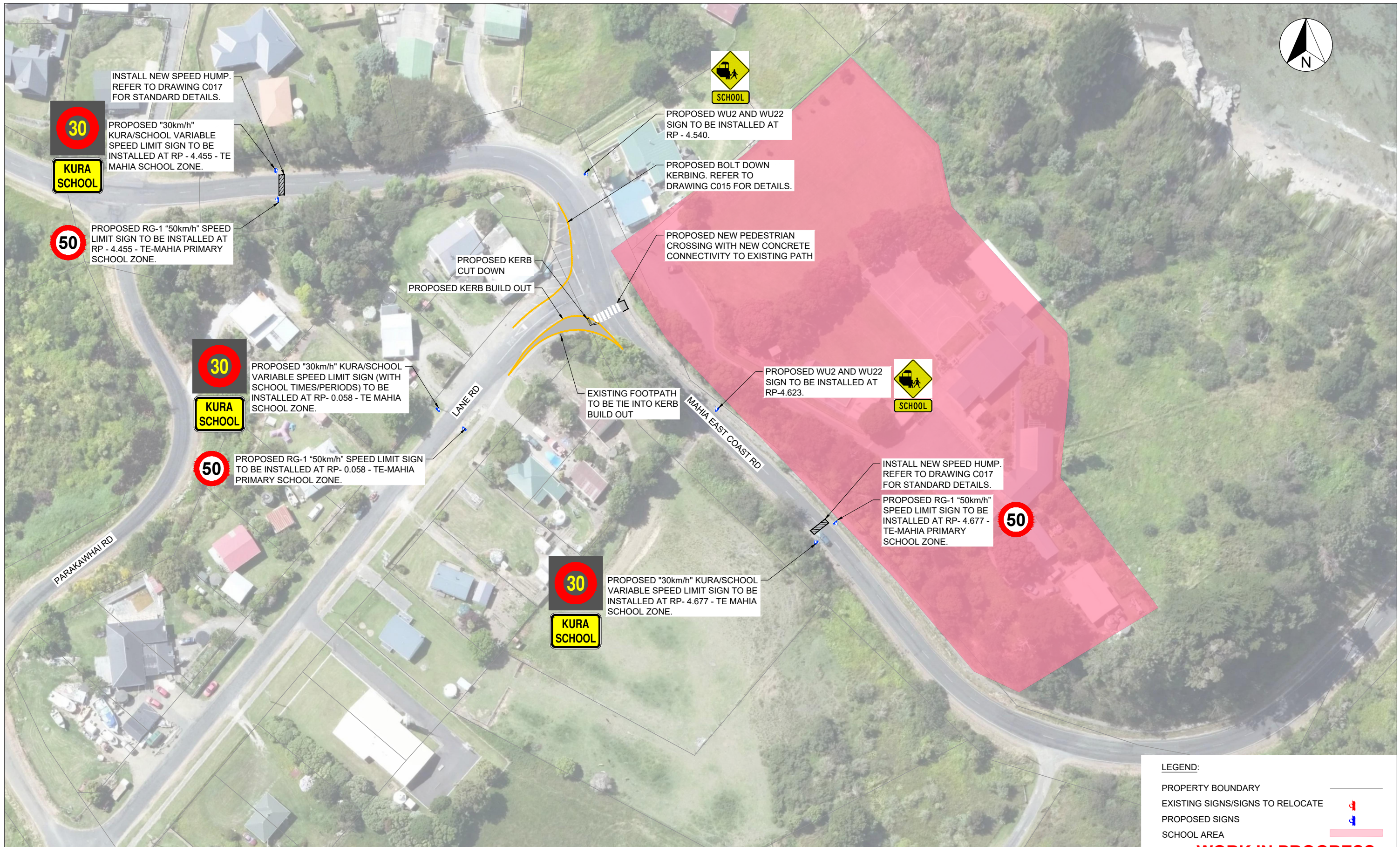
**wsp**  
 Napier Office  
 +64 6 833 5100  
 Private Bag 6019  
 Napier 4142  
 New Zealand

TRANSPORT

SCALES	DESIGNED	APPROVED	ORIGINAL SIZE
1:750	G.RANDALL	B. THOMSON	A1
DRAWN	D.JOSHY/J.HOBSON	DESIGN VERIFIED	APPROVED DATE
P.BIRSE	G.RANDALL	YYYY-MM-DD	

CONCEPT DESIGN

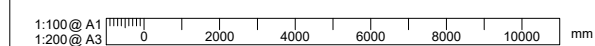
PROJECT  
 WAIROA DISTRICT COUNCIL  
 WAIROA, NUHAKA AND MAHIA  
 SCHOOL SPEED MANAGEMENT PLANS  
 TITLE  
 FRASERTOWN SCHOOL, RUSSELL PARADE N, WAIROA  
 PROPOSED SIGNAGE PLANS  
 WSP PROJECT NO. (SUB-PROJECT)  
 2-S5555.20  
 SHEET NO.  
 C004  
 REVISION  
 A



**LEGEND:**

- PROPERTY BOUNDARY
- EXISTING SIGNS/SIGNS TO RELOCATE
- PROPOSED SIGNS
- SCHOOL AREA

**WORK IN PROGRESS**  
 PRINTED 11/05/2023 8:36:05 am



REVISION	AMENDMENT	APPROVED	DATE
A	CONCEPT DESIGN	B.T	



**wsp**  
 Napier Office  
 +64 6 833 5100  
 Private Bag 6019  
 Napier 4142  
 New Zealand

TRANSPORT

SCALES	DESIGNED	APPROVED
1:500	G.RANDALL	B. THOMSON
ORIGINAL SIZE		A1
DRAWN	DESIGN VERIFIED	APPROVED DATE
D.JOSHY/J.HOBSON	G.RANDALL	YYYY-MM-DD
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
P.BIRSE	G.RANDALL	YYYY-MM-DD

CONCEPT DESIGN

PROJECT  
 WAIROA DISTRICT COUNCIL  
 WAIROA, NUHAKA AND MAHIA  
 SCHOOL SPEED MANAGEMENT PLANS

TITLE  
 TE MAHIA SCHOOL, MAHIA EAST COAST RD, MAHIA  
 PROPOSED SIGNAGE PLANS

WSP PROJECT NO. (SUB-PROJECT)  
 2-S5555.20

SHEET NO.  
 C005

REVISION  
 A



300 mm  
200  
100  
50  
0 10 mm

**LEGEND:**

- PROPERTY BOUNDARY
- EXISTING SIGNS/SIGNS TO RELOCATE
- PROPOSED SIGNS
- SCHOOL AREA

**WORK IN PROGRESS**  
PRINTED 11/05/2023 8:36:08 am

1:100 @ A1  
1:200 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	CONCEPT DESIGN	B.T	



**wsp**  
Napier Office  
+64 6 833 5100  
Private Bag 6019  
Napier 4142  
New Zealand

TRANSPORT

SCALES	DESIGNED	APPROVED	ORIGINAL SIZE
1:750	G.RANDALL	B. THOMSON	A1
DRAWN	DESIGN VERIFIED	APPROVED DATE	
D.JOSHY/J.HOBSON	G.RANDALL	YYYY-MM-DD	
P.BIRSE	G.RANDALL		

CONCEPT DESIGN

PROJECT  
**WAIROA DISTRICT COUNCIL  
WAIROA, NUHAKA AND MAHIA  
SCHOOL SPEED MANAGEMENT PLANS**

TITLE  
**TE KURA O MOHAKA SCHOOL, MOHAKA COACH RD, MOHAKA  
PROPOSED SIGNAGE PLANS**

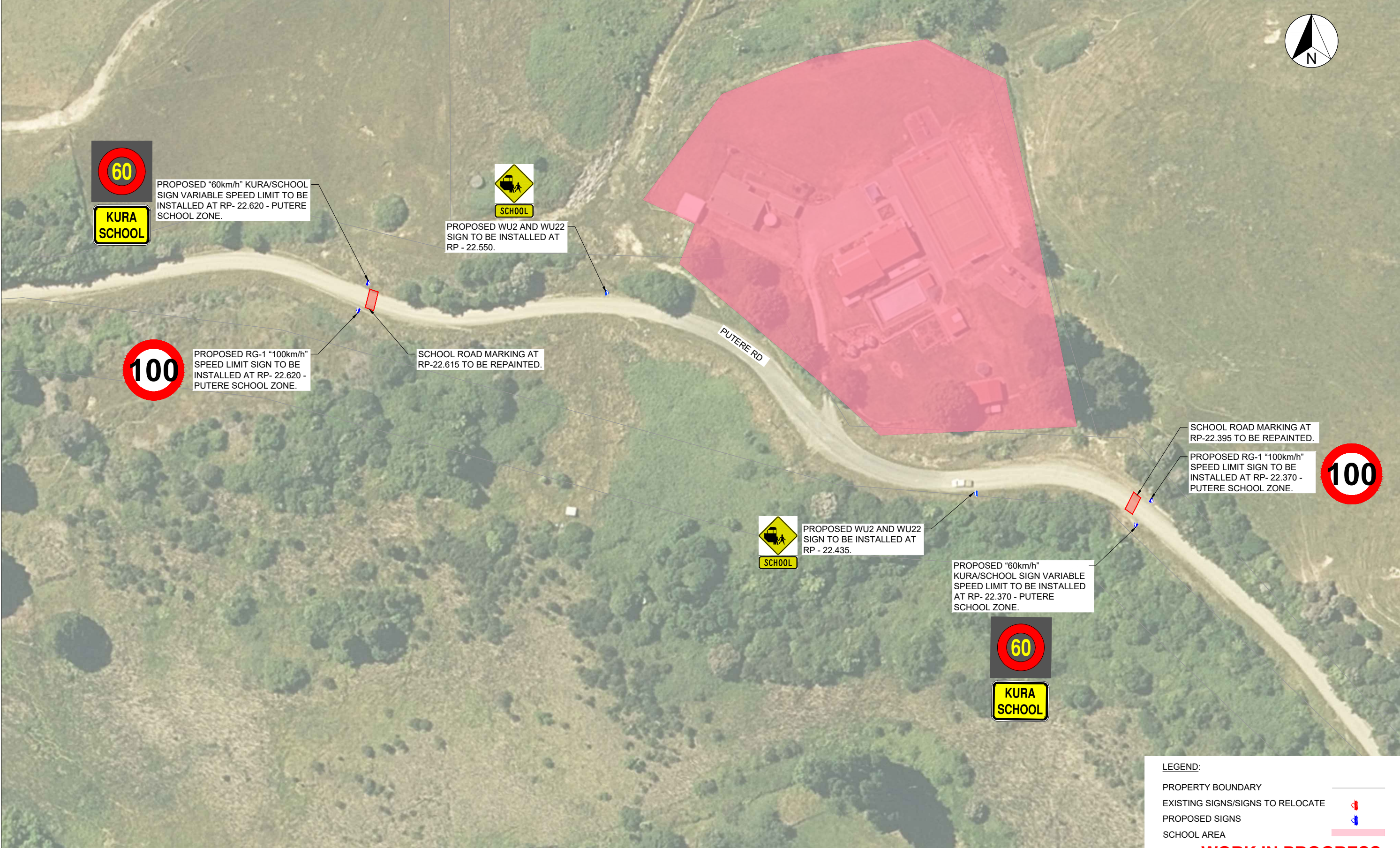
WSP PROJECT NO. (SUB-PROJECT)  
2-S5555.20

SHEET NO.  
C006

REVISION  
A



300 mm  
200  
100  
50  
0 10 mm



**LEGEND:**

- PROPERTY BOUNDARY
- EXISTING SIGNS/SIGNS TO RELOCATE
- PROPOSED SIGNS
- SCHOOL AREA

**WORK IN PROGRESS**  
PRINTED 11/05/2023 8:36:09 am

1:100 @ A1  
1:200 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	CONCEPT DESIGN	B.T	



**wsp**  
Napier Office  
+64 6 833 5100

Private Bag 6019  
Napier 4142  
New Zealand

TRANSPORT

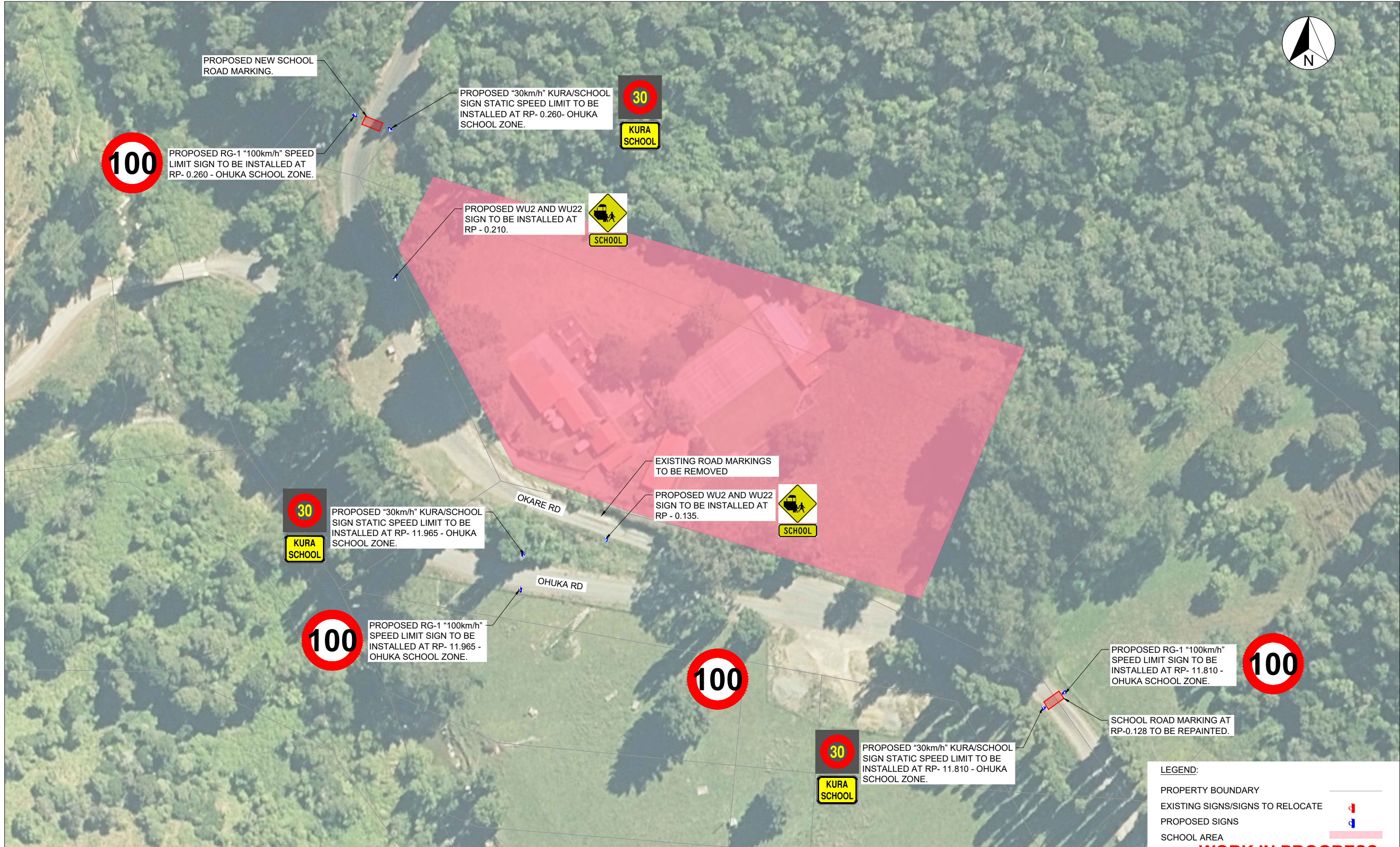
SCALES		ORIGINAL SIZE
1:500		A1
DRAWN	DESIGNED	APPROVED
D.JOSHY/J.HOBSON	G.RANDALL	B. THOMSON
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
P.BIRSE	G.RANDALL	YYYY-MM-DD

CONCEPT DESIGN

PROJECT	
WAIROA DISTRICT COUNCIL WAIROA, NUHAKA AND MAHIA SCHOOL SPEED MANAGEMENT PLANS	
TITLE PUTERE SCHOOL, PUTERE RD, PUTERE PROPOSED SIGNAGE PLANS	
WSP PROJECT NO. (SUB-PROJECT) 2-S5555.20	SHEET NO. C007
	REVISION A



300 mm  
200  
100  
50  
0 10 mm



**LEGEND:**

- PROPERTY BOUNDARY
- EXISTING SIGNS/SIGNS TO RELOCATE
- PROPOSED SIGNS
- SCHOOL AREA

**WORK IN PROGRESS**

PRINTED 11/05/2023 8:36:11 am

1:100 @ A1  
1:200 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	CONCEPT DESIGN	B.T	



**wsp**

Napier Office  
+64 6 833 5100

Private Bag 6019  
Napier 4142  
New Zealand

TRANSPORT

SCALES		ORIGINAL SIZE
1:500		A1
DRAWN	DESIGNED	APPROVED
D.JOSHY/J.HOBSON	G.RANDALL	B. THOMSON
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
P.BIRSE	G.RANDALL	YYYY-MM-DD

CONCEPT DESIGN

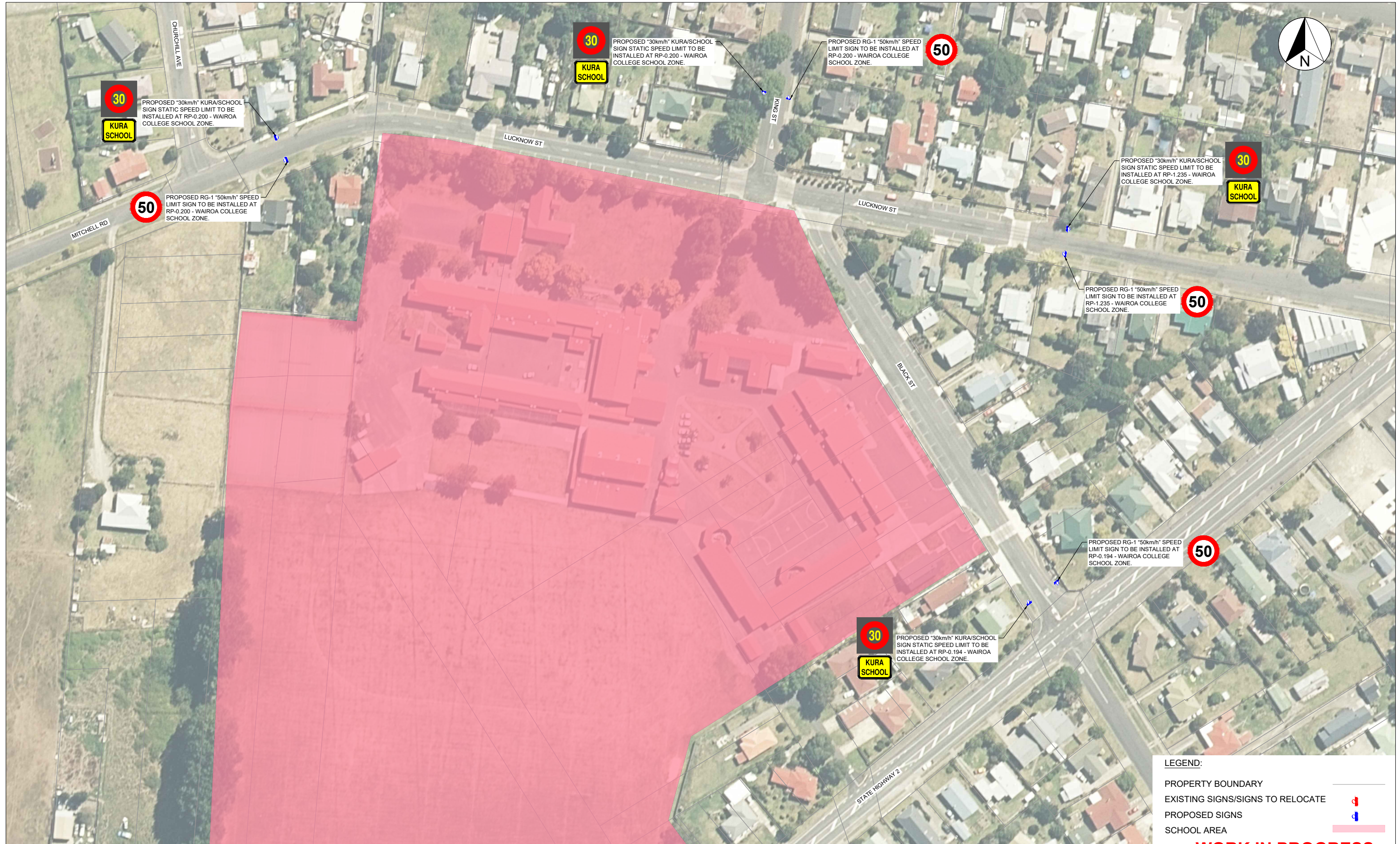
PROJECT  
WAIROA DISTRICT COUNCIL  
WAIROA, NUHAKA AND MAHIA  
SCHOOL SPEED MANAGEMENT PLANS

TITLE  
OHUKA SCHOOL, OKARE RD, OHUKA  
PROPOSED SIGNAGE PLANS

WSP PROJECT NO. (SUB-PROJECT)  
2-S5555.20

SHEET NO.  
C008

REVISION  
A



300 mm  
200  
100  
50  
0 10 mm

- LEGEND:**
- PROPERTY BOUNDARY
  - EXISTING SIGNS/SIGNS TO RELOCATE
  - PROPOSED SIGNS
  - SCHOOL AREA

**WORK IN PROGRESS**  
PRINTED 11/05/2023 8:36:13 am

1:100 @ A1  
1:200 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	CONCEPT DESIGN	B.T	



**wsp**  
Napier Office  
+64 6 833 5100  
Private Bag 6019  
Napier 4142  
New Zealand

TRANSPORT

SCALES		ORIGINAL SIZE
1:750		A1
DRAWN	DESIGNED	APPROVED
D.JOSHY/J.HOBSON	G.RANDALL	B. THOMSON
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
P.BIRSE	G.RANDALL	YYYY-MM-DD

CONCEPT DESIGN

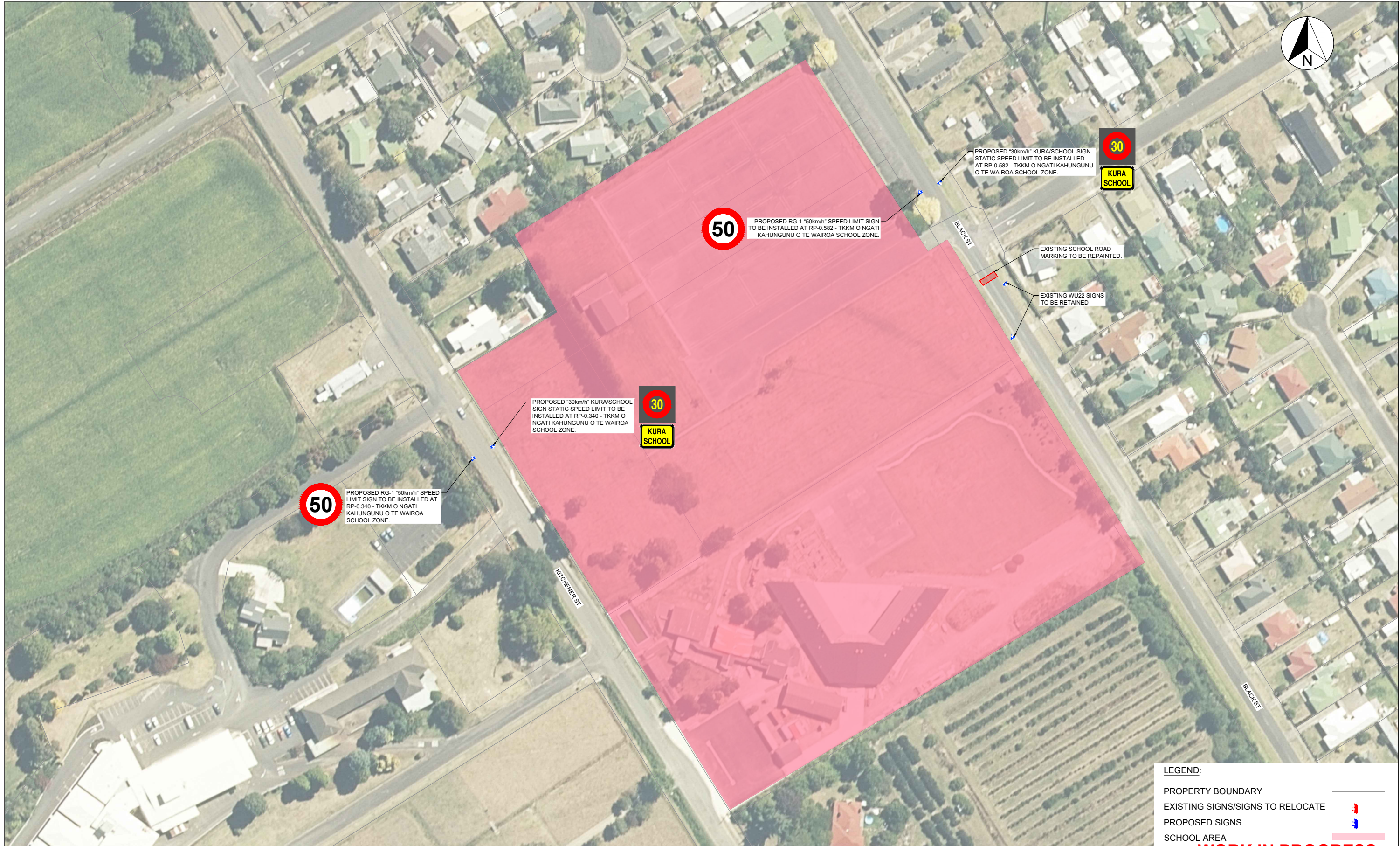
PROJECT  
**WAIROA DISTRICT COUNCIL  
WAIROA, NUHAKA AND MAHIA  
SCHOOL SPEED MANAGEMENT PLANS**

TITLE  
**WAIROA COLLEGE, LUCKNOW ST / BLACK ST, WAIROA  
PROPOSED SIGNAGE PLANS**

WSP PROJECT NO. (SUB-PROJECT)  
2-S5555.20

SHEET NO.  
C009

REVISION  
A



**LEGEND:**

- PROPERTY BOUNDARY
- EXISTING SIGNS/SIGNS TO RELOCATE
- PROPOSED SIGNS
- SCHOOL AREA

**WORK IN PROGRESS**  
PRINTED 11/05/2023 8:36:15 am

1:100 @ A1  
1:200 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	CONCEPT DESIGN	B.T	



**wsp**  
Napier Office  
+64 6 833 5100

Private Bag 6019  
Napier 4142  
New Zealand

TRANSPORT

SCALES		ORIGINAL SIZE
1:750		A1
DRAWN	DESIGNED	APPROVED
D.JOSHY/J.HOBSON	G.RANDALL	B. THOMSON
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
P.BIRSE	G.RANDALL	YYYY-MM-DD
<b>CONCEPT DESIGN</b>		

PROJECT		SHEET NO.	REVISION
WAIROA DISTRICT COUNCIL WAIROA, NUHAKA AND MAHIA SCHOOL SPEED MANAGEMENT PLANS		C010	A
TITLE			
TKKM O NGATI KAHUNGUNU O TE WAIROA, KITCHENER ST, WAIROA PROPOSED SIGNAGE PLANS			
WSP PROJECT NO. (SUB-PROJECT)			
2-S5555.20			





300 mm  
200  
100  
50  
0 10 mm

**LEGEND:**

- PROPERTY BOUNDARY
- EXISTING SIGNS/SIGNS TO RELOCATE
- PROPOSED SIGNS
- SCHOOL AREA

**WORK IN PROGRESS**  
PRINTED 11/05/2023 8:36:17 am

1:100 @ A1  
1:200 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	CONCEPT DESIGN	B.T	



**wsp**  
Napier Office  
+64 6 833 5100  
Private Bag 6019  
Napier 4142  
New Zealand

TRANSPORT

SCALES	DESIGNED	APPROVED
1:750	G.RANDALL	B. THOMSON
DRAWN	D.JOSHY/J.HOBSON	
DRAWING VERIFIED	P.BIRSE	
DESIGN VERIFIED	G.RANDALL	
APPROVED DATE		YYYY-MM-DD

CONCEPT DESIGN

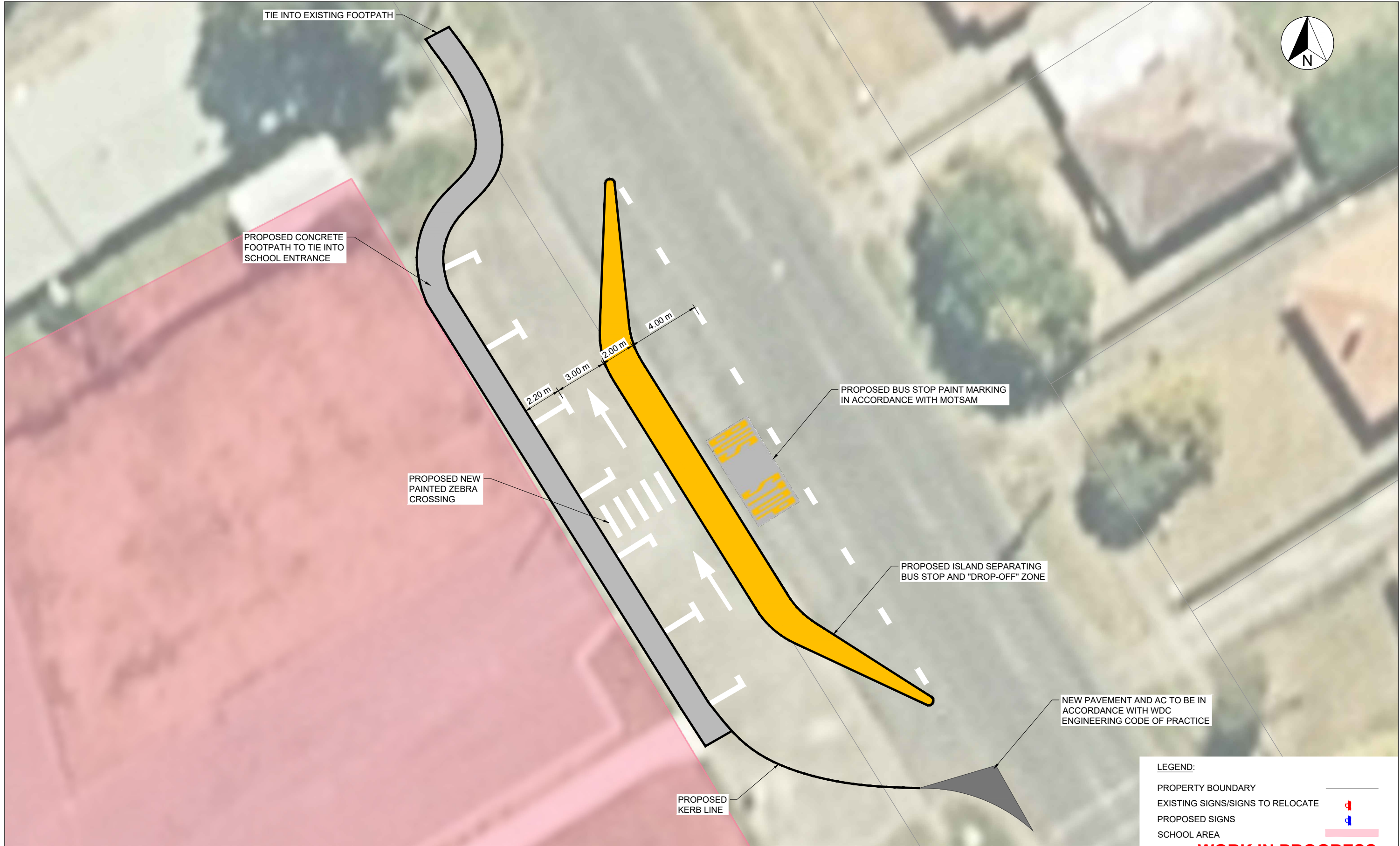
PROJECT  
**WAIROA DISTRICT COUNCIL  
WAIROA, NUHAKA AND MAHIA  
SCHOOL SPEED MANAGEMENT PLANS**

TITLE  
**TIAHO PRIMARY SCHOOL, KITCHENER ST / CLYDE RD, WAIROA  
PROPOSED SIGNAGE PLANS**

WSP PROJECT NO. (SUB-PROJECT)  
2-S5555.20

SHEET NO.  
C011

REVISION  
A



300 mm  
200  
100  
50  
0 10 mm



PROPOSED CONCRETE FOOTPATH TO TIE INTO SCHOOL ENTRANCE

TIE INTO EXISTING FOOTPATH

PROPOSED NEW PAINTED ZEBRA CROSSING

PROPOSED BUS STOP PAINT MARKING IN ACCORDANCE WITH MOTSAM

PROPOSED ISLAND SEPARATING BUS STOP AND "DROP-OFF" ZONE

NEW PAVEMENT AND AC TO BE IN ACCORDANCE WITH WDC ENGINEERING CODE OF PRACTICE

PROPOSED KERB LINE

**LEGEND:**

- PROPERTY BOUNDARY
- EXISTING SIGNS/SIGNS TO RELOCATE
- PROPOSED SIGNS
- SCHOOL AREA

**WORK IN PROGRESS**

PRINTED 11/05/2023 8:36:19 am

1:100 @ A1  
1:200 @ A3



REVISION	AMENDMENT	APPROVED	DATE
A	CONCEPT DESIGN	B.T	



**wsp**  
Napier Office  
+64 6 833 5100

Private Bag 6019  
Napier 4142  
New Zealand

TRANSPORT

SCALES	DESIGNED	APPROVED	ORIGINAL SIZE
1:750	G.RANDALL	B. THOMSON	A1
DRAWN	DESIGNED	APPROVED	
D.JOSHY/J.HOBSON	G.RANDALL	B. THOMSON	
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE	
P.BIRSE	G.RANDALL	YYYY-MM-DD	

CONCEPT DESIGN

PROJECT  
WAIROA DISTRICT COUNCIL  
WAIROA, NUHAKA AND MAHIA  
SCHOOL SPEED MANAGEMENT PLANS

TITLE  
TIAHO PRIMARY SCHOOL, KITCHENER ST / CLYDE RD, WAIROA  
PROPOSED BUS STOP AND DROP ZONE

WSP PROJECT NO. (SUB-PROJECT)  
2-S5555.20

SHEET NO.  
C012

REVISION  
A



300 mm  
200  
100  
50  
0 10 mm



**LEGEND:**

PROPERTY BOUNDARY	
EXISTING SIGNS/SIGNS TO RELOCATE	
PROPOSED SIGNS	
PROPOSED BOLLARD	
SCHOOL AREA	

**WORK IN PROGRESS**  
 PRINTED 11/05/2023 8:36:21 am

1:100 @ A1  
 1:200 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	CONCEPT DESIGN	B.T	



**wsp**  
 Napier Office  
 +64 6 833 5100

Private Bag 6019  
 Napier 4142  
 New Zealand

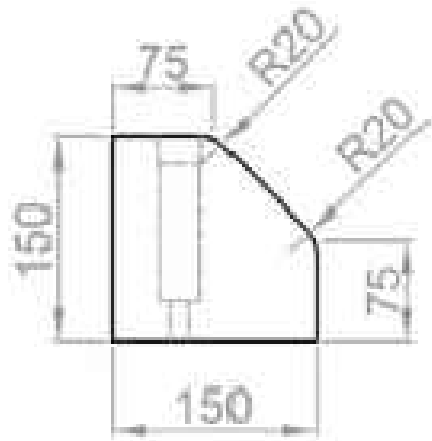
TRANSPORT

SCALES	DESIGNED	APPROVED
1:75	G.RANDALL	B. THOMSON
DRAWN	D.JOSHY/S.CARROLL	
DRAWING VERIFIED	P.BIRSE	
DESIGN VERIFIED	G.RANDALL	
APPROVED DATE	YYYY-MM-DD	

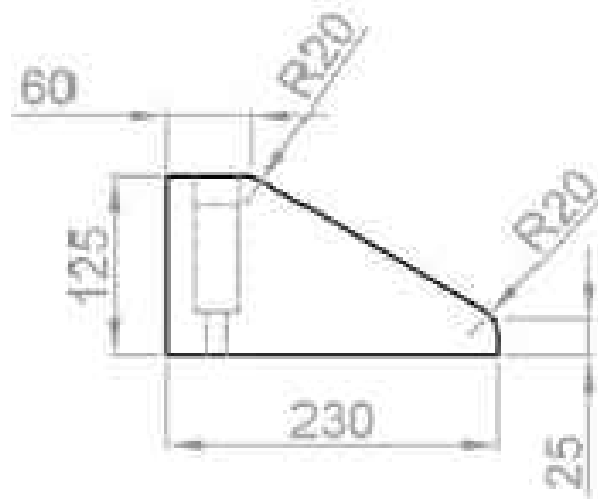
CONCEPT DESIGN

PROJECT	WAIROA DISTRICT COUNCIL WAIROA, NUHAKA AND MAHIA SCHOOL SPEED MANAGEMENT PLANS
TITLE	ST JOSEPH SCHOOL, LUCKNOW ST, WAIROA PROPOSED RAISED CROSSING
WSP PROJECT NO. (SUB-PROJECT)	2-S5555.20
SHEET NO.	C013
REVISION	A

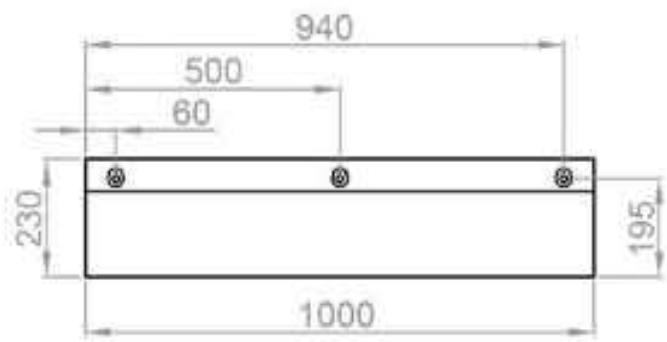
300 mm  
200  
100  
50  
0 10 mm



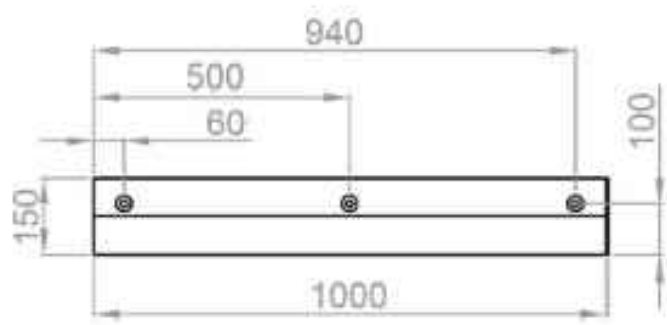
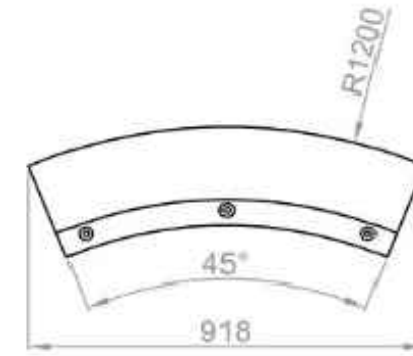
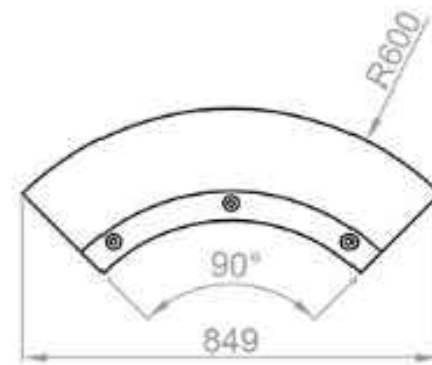
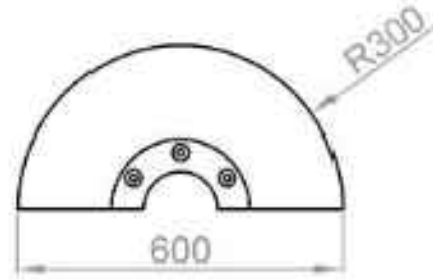
**MOUNTABLE - CROSS-SECTION**  
SCALE 1:750 @ A1



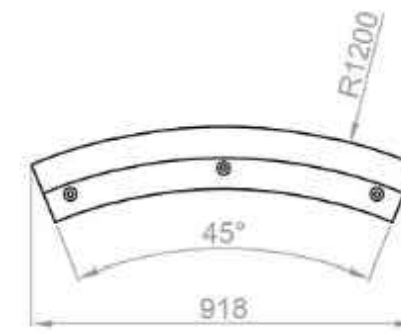
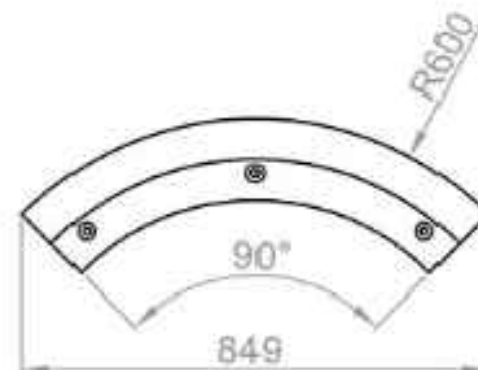
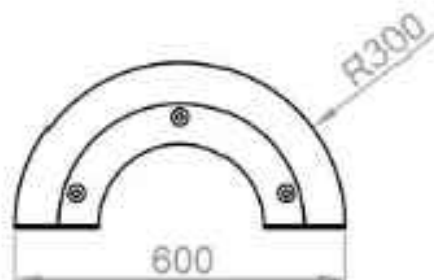
**BARRIER - CROSS-SECTION**  
SCALE 1:750 @ A1



**230mm WIDE KERB - PLAN VIEW**  
SCALE 1:750 @ A1



**150mm WIDE KERB - PLAN VIEW**  
SCALE 1:750 @ A1



**WORK IN PROGRESS**

PRINTED 11/05/2023 8:36:21 am

1:100 @ A1  
1:200 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	CONCEPT DESIGN	B.T	



**wsp**  
Napier Office  
+64 6 833 5100  
Private Bag 6019  
Napier 4142  
New Zealand

TRANSPORT

SCALES	ORIGINAL SIZE
AS SHOWN	A1
DRAWN	DESIGNED
S.CARROLL	G.RANDALL
DRAWING VERIFIED	DESIGN VERIFIED
P.BIRSE	G.RANDALL
	APPROVED
	B. THOMSON
	APPROVED DATE
	YYYY-MM-DD

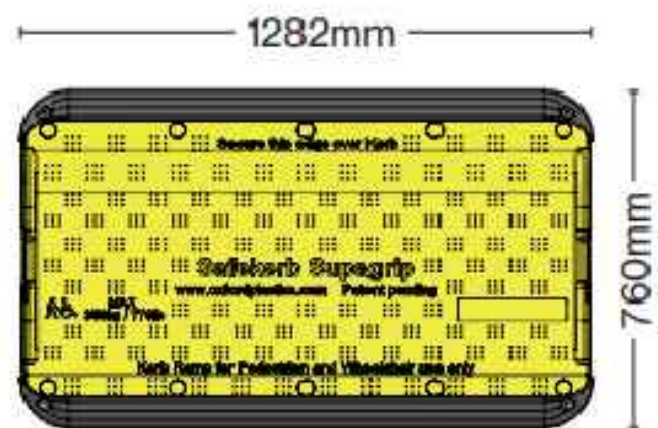
CONCEPT DESIGN

PROJECT  
WAIROA DISTRICT COUNCIL  
WAIROA, NUHAKA AND MAHIA  
SCHOOL SPEED MANAGEMENT PLANS  
TITLE  
WAIROA DISTRICT  
RUBBER KERB EXTENSION DETAILS  
WSP PROJECT NO. (SUB-PROJECT)  
2-S5555.20

SHEET NO.  
C014  
REVISION  
A



RAISED CROSSING - PLAN VIEW  
SCALE 1:750 @ A1



SAFEKERB RAMP - PLAN VIEW  
SCALE 1:1250 @ A1

**NOTE**  
REFER TO MANUFACTURERS WEBSITE FOR  
DETAILS ON INSTALLATION AND SPECIFICATIONS

1:100 @ A1  
1:200 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	CONCEPT DESIGN	B.T	



Napier Office  
+64 6 833 5100

Private Bag 6019  
Napier 4142  
New Zealand

TRANSPORT

SCALES	DESIGNED	APPROVED	ORIGINAL SIZE
AS SHOWN	G.RANDALL	B. THOMSON	A1
DRAWN	G.RANDALL	B. THOMSON	
S.CARROLL	G.RANDALL	B. THOMSON	
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE	
P.BIRSE	G.RANDALL	YYYY-MM-DD	

CONCEPT DESIGN

PROJECT  
WAIROA DISTRICT COUNCIL  
WAIROA, NUHAKA AND MAHIA  
SCHOOL SPEED MANAGEMENT PLANS

TITLE  
WAIROA DISTRICT  
MODULAR RAISED CROSSING DETAILS

WSP PROJECT NO. (SUB-PROJECT)  
2-S5555.20

SHEET NO.  
C015

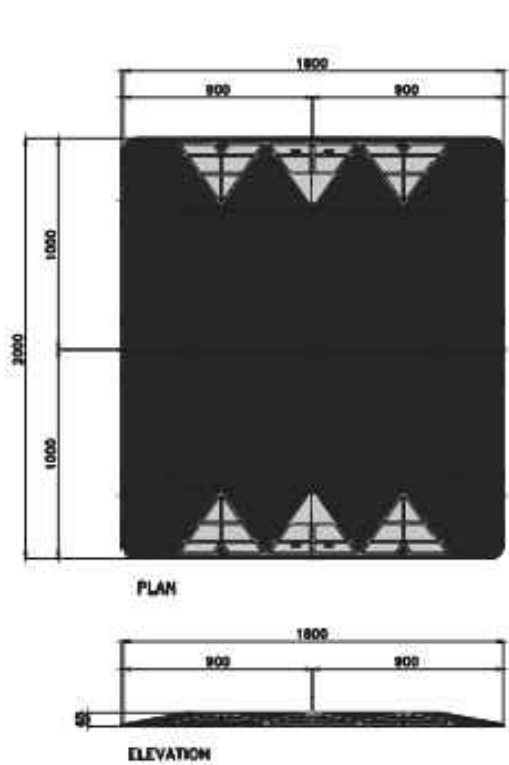
REVISION  
A

**WORK IN PROGRESS**

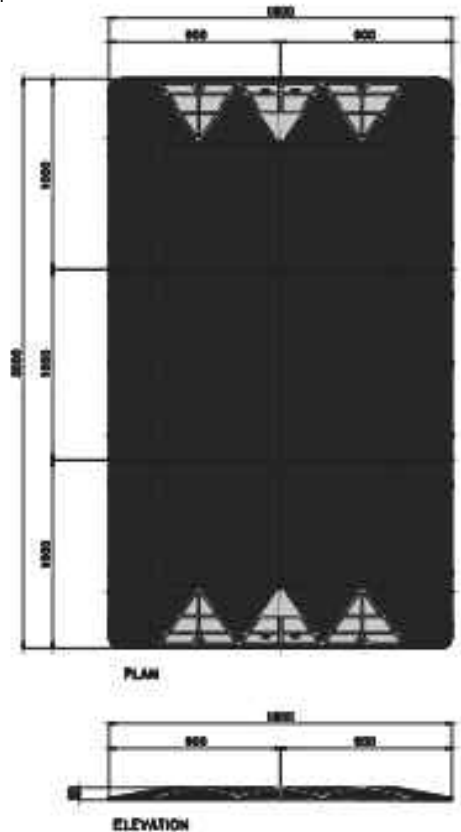
PRINTED 11/05/2023 8:36:22 am



**SPEED CUSHION PADS - PLAN VIEW**  
SCALE 1:2000 @ A1



**2 m SPEED CUSHION PADS - PLAN VIEW**  
SCALE 1:2000 @ A1



**3 m SPEED CUSHION PADS - PLAN VIEW**  
SCALE 1:2000 @ A1



**NOTE**  
REFER TO MANUFACTURERS WEBSITE FOR  
DETAILS ON INSTALLATION AND SPECIFICATIONS

1:100 @ A1  
1:200 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	CONCEPT DESIGN	B.T	



**wsp**  
Napier Office  
+64 6 833 5100  
Private Bag 6019  
Napier 4142  
New Zealand

TRANSPORT

SCALES	DESIGNED	APPROVED	ORIGINAL SIZE
AS SHOWN	G.RANDALL	B. THOMSON	A1
DRAWN	DESIGN VERIFIED	APPROVED DATE	
S.CARROLL	G.RANDALL	YYYY-MM-DD	
DRAWING VERIFIED	G.RANDALL		
P.BIRSE			

CONCEPT DESIGN

PROJECT  
WAIROA DISTRICT COUNCIL  
WAIROA, NUHAKA AND MAHIA  
SCHOOL SPEED MANAGEMENT PLANS  
TITLE  
WAIROA DISTRICT  
SPEED HUMP DETAILS  
WSP PROJECT NO. (SUB-PROJECT)  
2-S5555.20

SHEET NO. C016  
REVISION A

**WORK IN PROGRESS**  
PRINTED 11/05/2023 8:36:24 am



TRAFFIC SEPERATORS - PLAN VIEW  
SCALE 1:2000 @ A1



750mm TRAFFIC SEPERATOR - PLAN VIEW  
SCALE 1:2000 @ A1

49-FB

M10 x 75mm Coachscrew and Plug

49-CF10

M10 x 75mm Anka Screw

TRAFFIC SEPERATOR FIXINGS  
SCALE 1:2000 @ A1

Code	49-FB800
Description	Flexible Bollard
Material	Flexible PU
Height	750mm
Diameter	75mm
Base Diameter	200mm
Weight	1.2kg
Fixings	3 required per bollard

TRAFFIC SEPERATOR SPECS  
SCALE 1:2000 @ A1

**WORK IN PROGRESS**

PRINTED 11/05/2023 8:36:25 am

**NOTE**  
REFER TO MANUFACTURERS WEBSITE FOR  
DETAILS ON INSTALLATION AND SPECIFICATIONS

1:100 @ A1  
1:200 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	CONCEPT DESIGN	B.T	



Napier Office  
+64 6 833 5100

Private Bag 6019  
Napier 4142  
New Zealand

TRANSPORT

SCALES	ORIGINAL SIZE
AS SHOWN	A1
DRAWN	DESIGNED
S.CARROLL	G.RANDALL
DRAWING VERIFIED	APPROVED
P.BIRSE	B. THOMSON
	DESIGN VERIFIED
	APPROVED DATE
	YYYY-MM-DD

CONCEPT DESIGN

PROJECT
WAIROA DISTRICT COUNCIL WAIROA, NUHAKA AND MAHIA SCHOOL SPEED MANAGEMENT PLANS
TITLE
WAIROA DISTRICT TRAFFIC SEPERATOR DETAILS
WSP PROJECT NO. (SUB-PROJECT) 2-S5555.20

SHEET NO. C017  
REVISION A