





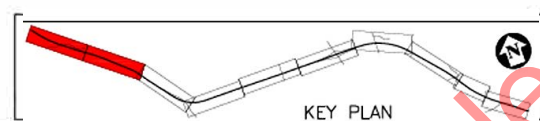
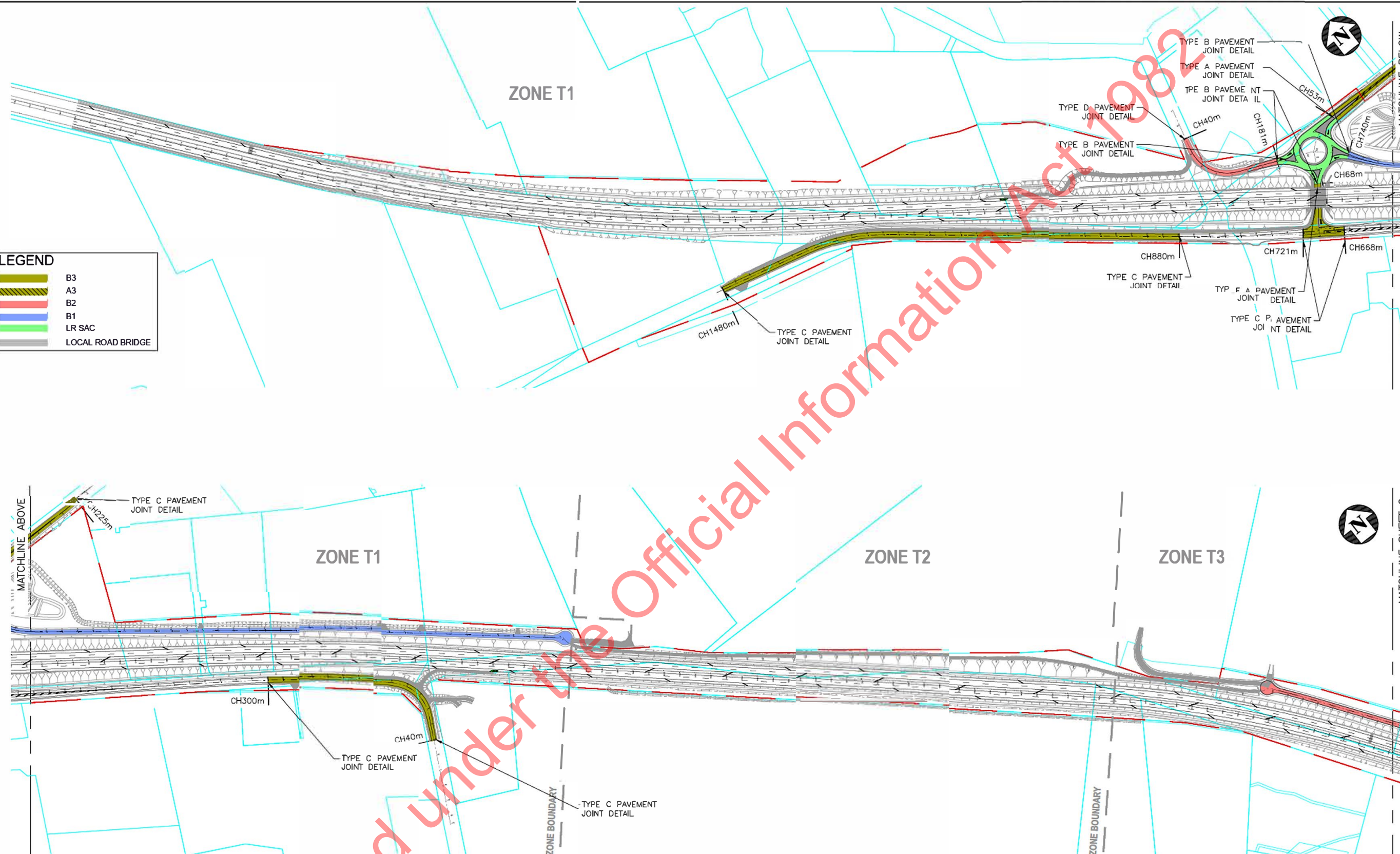


This design is based on generally accepted practices and standards at the time it was prepared. No other warranty, expressed or implied, is made. It is prepared in accordance with the scope of work and for the purpose outlined in the contract dated 27 Sept 2012. No responsibility is accepted for use of any part of this design in any other context or for any other purpose. URS accepts no liability for the use of this drawing where it has been provided in electronic format, nor for any changes made to it following its issue. URS certifies the printed version to be binding. A hard copy of this drawing is to be provided if requested.

LEGEND	
	B3
	A3
	B2
	B1
	LR SAC
	LOCAL ROAD BRIDGE



Rev	Revision Description	Drawn	Designed	Checked	Approved	Date
01	AS-BUILT REVISION					10.05.16
02	AS-BUILT					11.12.15

Tab	001
Scales	1:2500 A1 1:5000 A3
Original Size	A1





WAIKATO EXPRESSWAY: TAMAHERE TO CAMBRIDGE SECTION

PAVEMENT TYPES  
LOCAL ROADS  
SHEET 1 OF 5

Approved for Issue

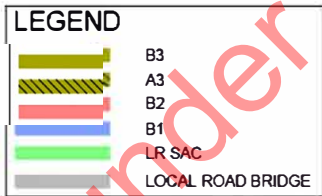
s 9(2)(a)

Status AS-BUILT

Drawing Number  
C-115-001

Revision  
01

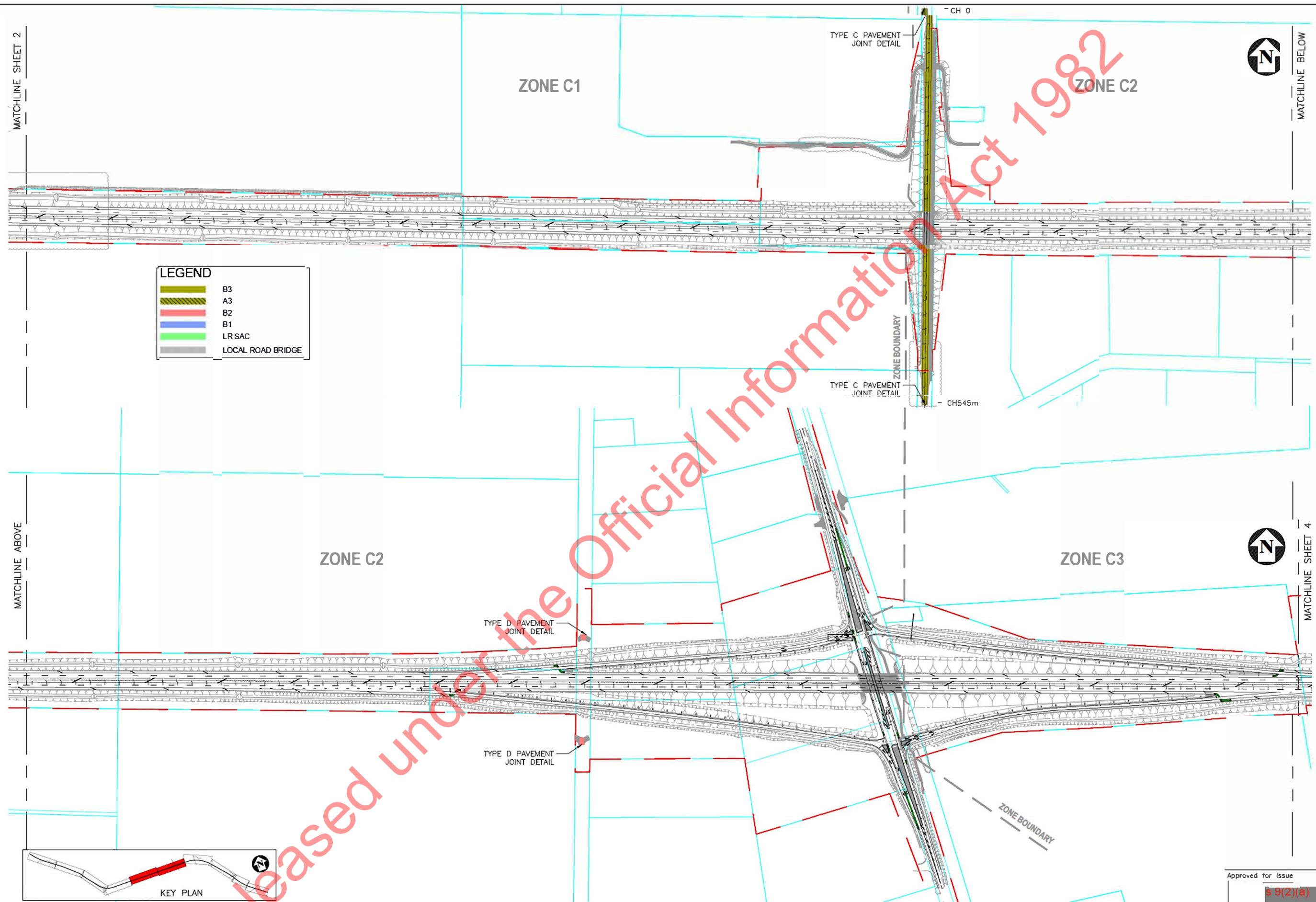




										Tob 002		 		 NZ TRANSPORT AGENCY WAKA MOTAHU		WAIKATO EXPRESSWAY: TAMAHERE TO CAMBRIDGE SECTION					
										Scales											
										1:2500 A1 1:5000 A3											
										Original Size A1		   				PAVEMENT TYPES LOCAL ROADS SHEET 2 OF 5		Status AS-BUILT			
																Drawing Number C-115-002		Revision 01			
01 AS-BUILT REVISION										§ 9(2)(a)		§ 9(2)(a)		10.05.16							
AB AS-BUILT														11.12.15							
Rev Revision Description										Drawn		Designed		Checked		Approved		Date			



This design is based on generally accepted practices and standards at the time it was prepared. No other warranty, expressed or implied, is made. It is prepared in accordance with the scope of work and for the purpose outlined in the contract dated 27 Sept 2012. No responsibility is accepted for use of any part of this design in any other context or for any other purpose. URS accepts no liability for the use of this drawing where it has been provided in electronic format, nor for any changes made to it following its issue. URS considers the printed version to be binding. A hard copy of this drawing is held on file by URS and may be provided if requested.



Approved for Issue

s 9(2)(a)

Rev	Revision Description	Drawn	Checked	Designed	Design Checked	Approved	Date
01	AS-BUILT REVISION						10.05.16
AB	AS-BUILT						11.12.15

Tab	003
Scales	1:2500 A1 1:5000 A3
Original Size	A1



WAIKATO EXPRESSWAY: TAMAHERE TO CAMBRIDGE SECTION

PAVEMENT TYPES  
LOCAL ROADS  
SHEET 3 OF 5

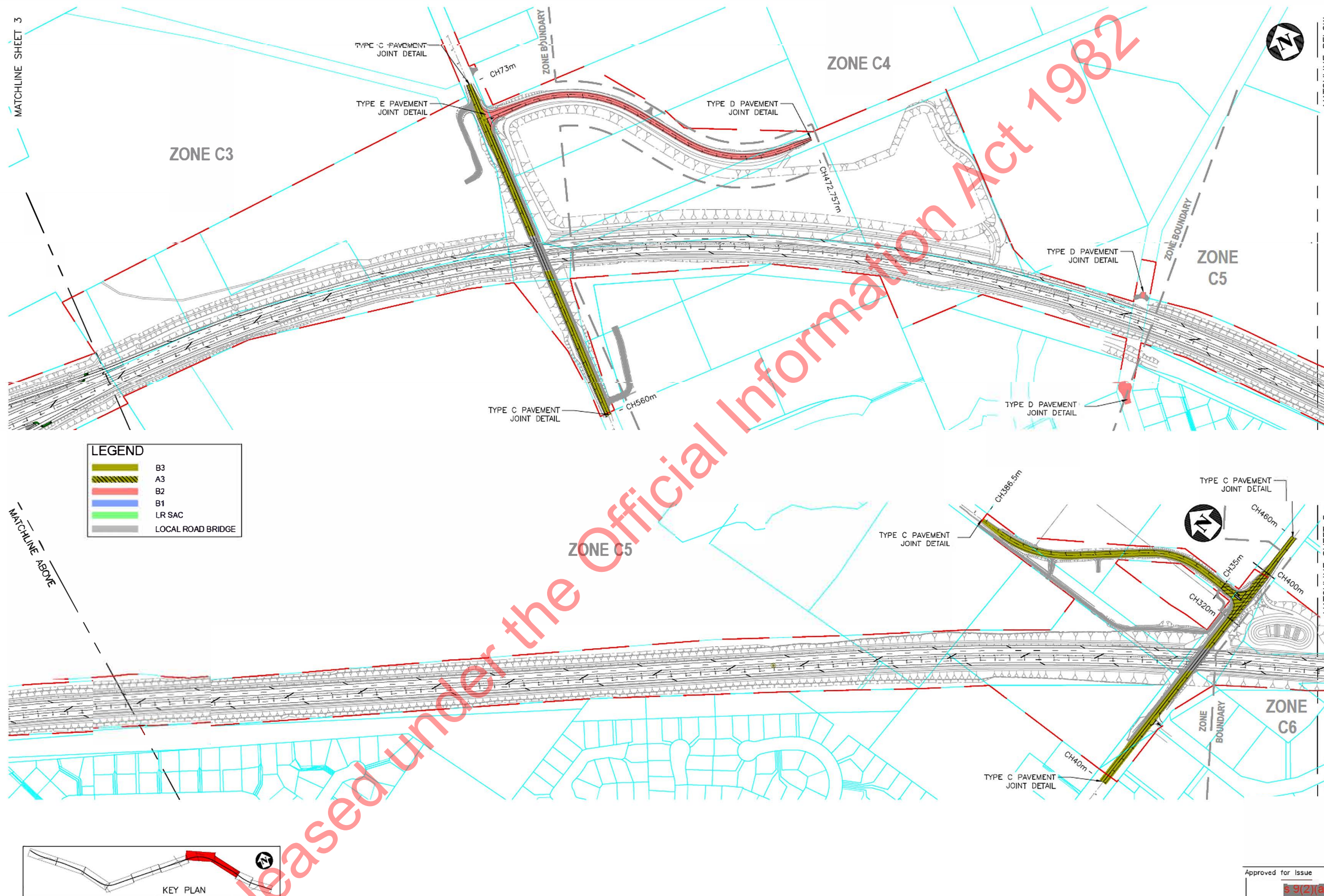
Status AS-BUILT

Drawing Number C-115-003

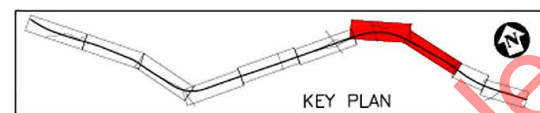
Revision 01



This design is based on generally accepted practices and standards at the time it was prepared. No other warranty, expressed or implied, is made. It is prepared in accordance with the scope of work and for the purpose outlined in the contract dated 27 Sept 2012. No responsibility is accepted for use of any part of this design in any other context or for any other purpose. URS accepts no liability for the use of this drawing where it has been provided in electronic format, nor for any changes made to it following its issue. A hard copy of this drawing is to be binding. URS certifies the printed version to be binding. A hard copy of this drawing is to be binding. URS certifies the printed version to be binding.



LEGEND	
	B3
	A3
	B2
	B1
	LR SAC
	LOCAL ROAD BRIDGE



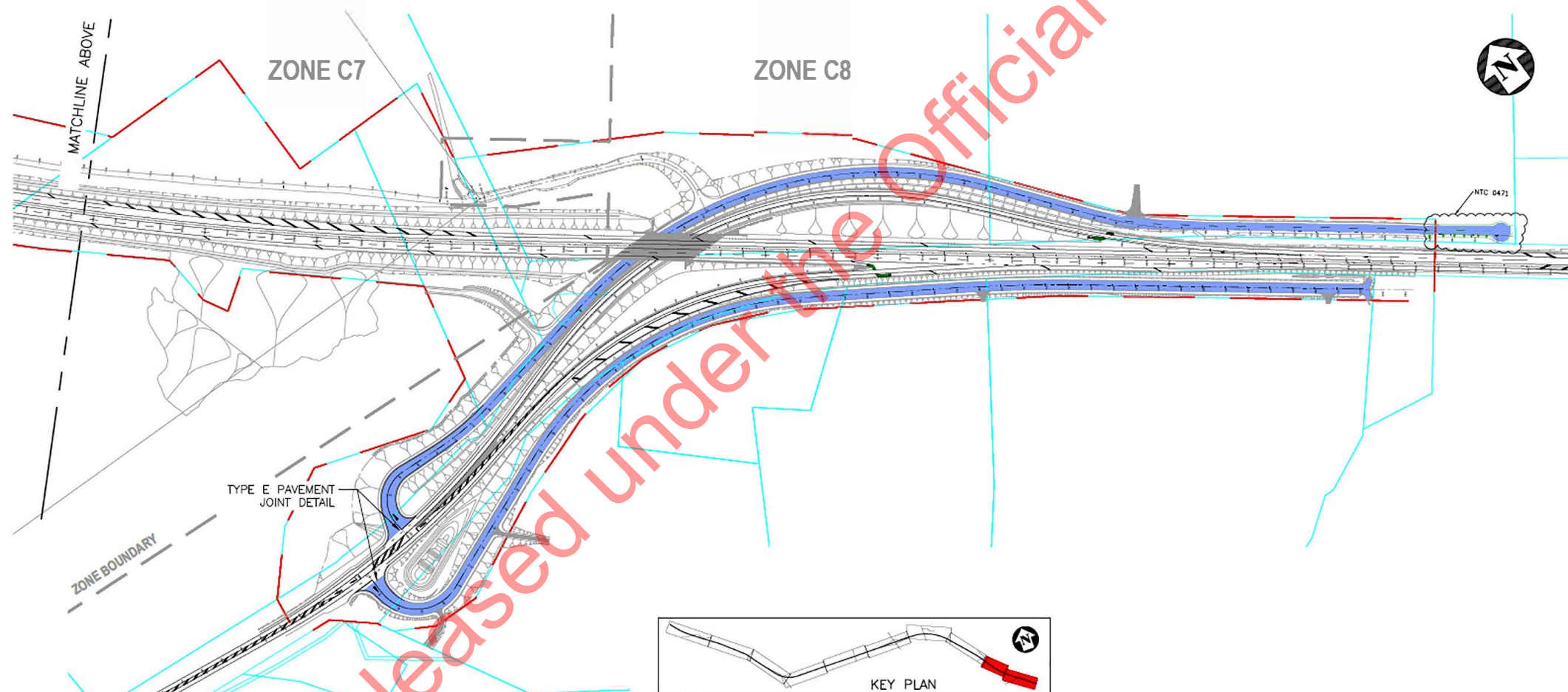
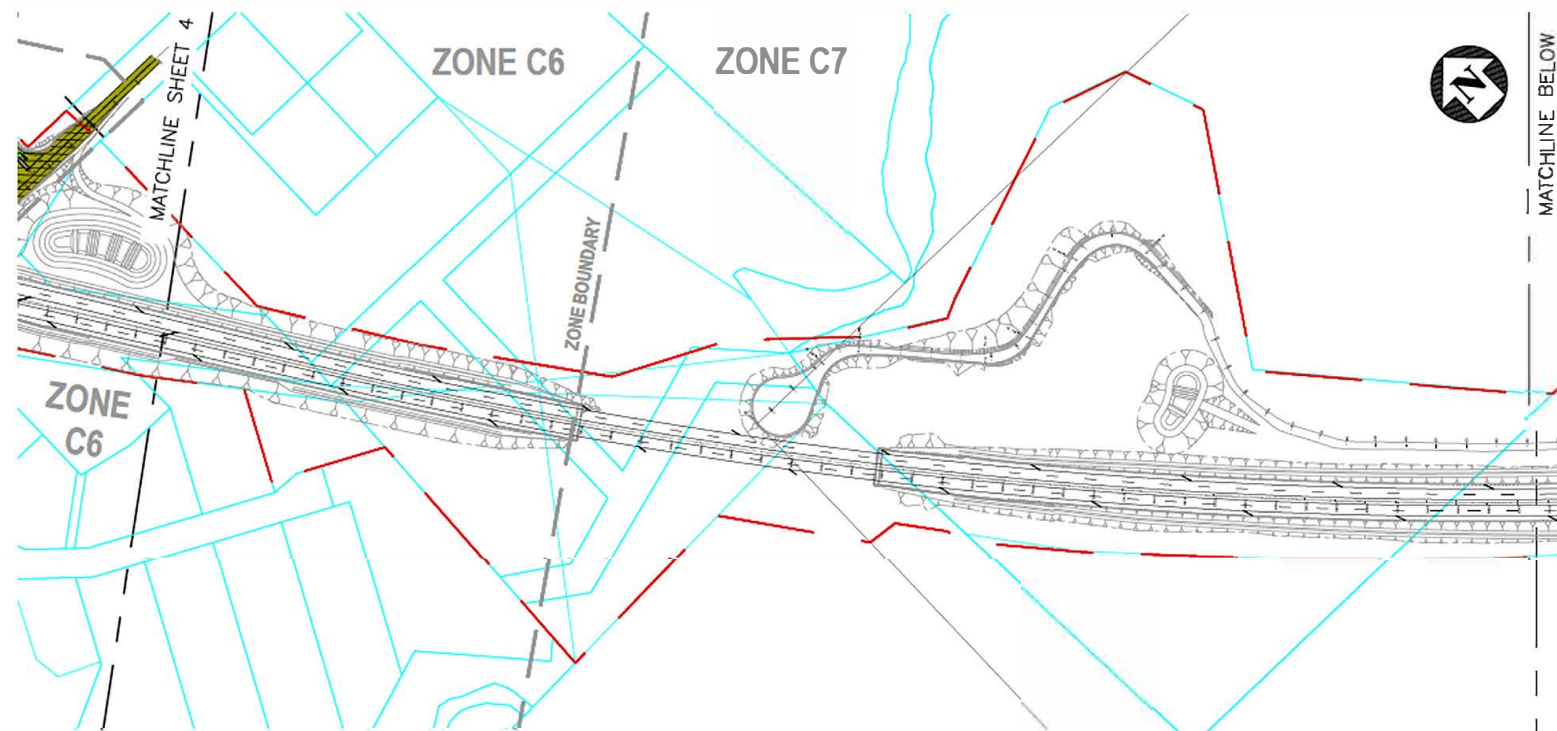
Rev	Revision Description	Drawn	Checked	Designed	Design Checked	Approved	Date
01	AS-BUILT REVISION						10.05.16
AB	AS-BUILT						11.12.15

Tab	004
Scales	1:2500 A1 1:5000 A3
Original Size	A1

WAIKATO EXPRESSWAY: TAMAHERE TO CAMBRIDGE SECTION		
PAVEMENT TYPES LOCAL ROADS SHEET 4 OF 5		Status AS-BUILT
Drawing Number C-115-004		Revision 01



This design is based on generally accepted practices and standards at the time it was prepared. No other warranty, expressed or implied, is made. It is prepared in accordance with the scope of work and for the purpose outlined in the contract dated 27 Sept 2012. No responsibility is accepted for use of any part of this design in any other context or for any other purpose. URS accepts no liability for the use of this drawing where it has been provided in electronic format, nor for any changes made to it following its issue. URS considers the printed version to be binding. A hard copy of this drawing is to be held on the by URS and may be provided if requested.



LEGEND	
	B3
	A3
	B2
	B1
	LR SAC
	LOCAL ROAD BRIDGE

Rev	Revision Description	Drawn	Checked	Designed	Design Checked	Approved	Date
02	AS-BUILT-REVISION						23.05.17
01	AS-BUILT REVISION						10.05.16
AB	AS-BUILT						11.12.15

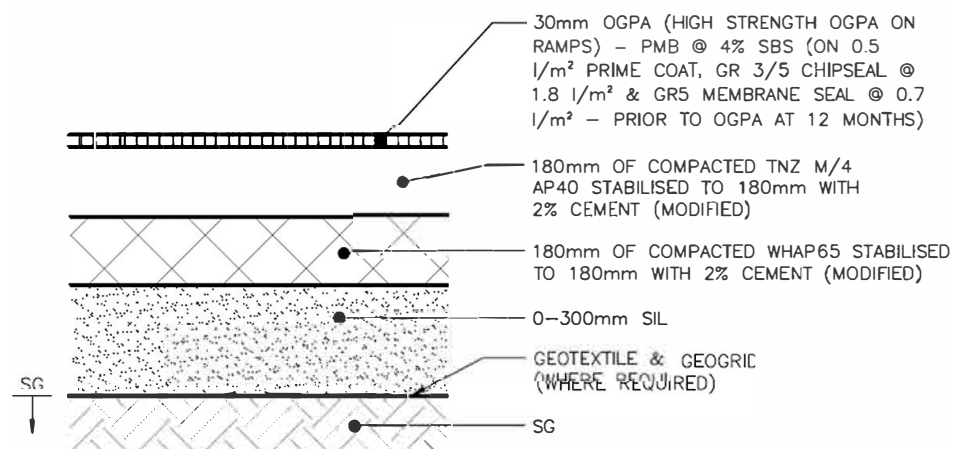
Tab	005
Scales	1:2500 A1 1:5000 A3
Original Size	A1

NZ TRANSPORT AGENCY  
WAKA KOTAHU

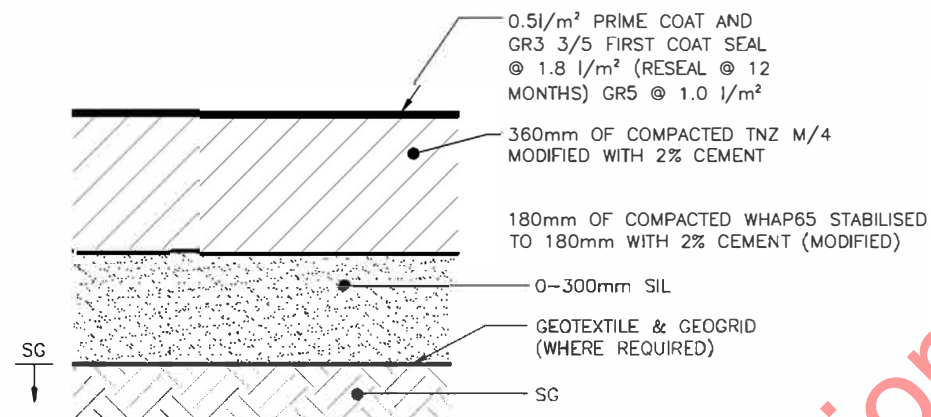
WAIKATO EXPRESSWAY: TAMAHERE TO CAMBRIDGE SECTION		
PAVEMENT TYPES LOCAL ROADS SHEET 5 OF 5		Status AS-BUILT
Drawing Number C-115-005	Revision 02	



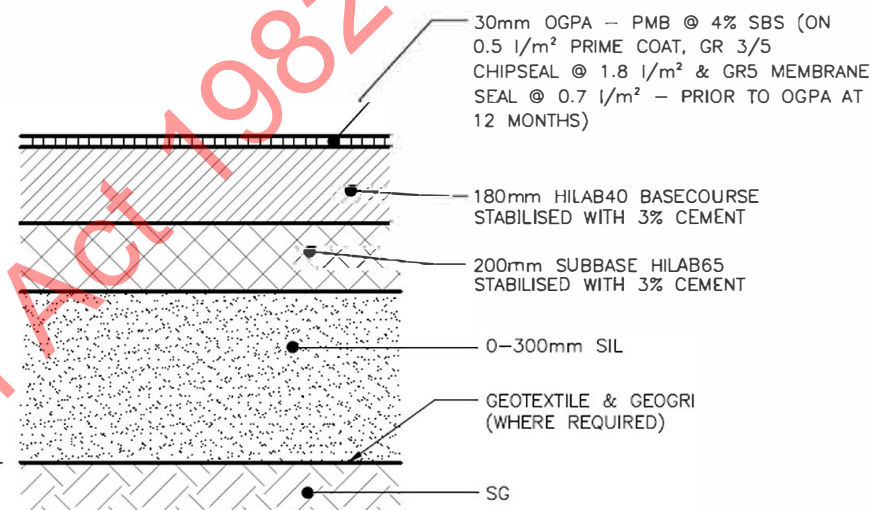
This design is based on generally accepted practices and standards at the time it was prepared. No other warranty, expressed or implied, is made. It is prepared in accordance with the scope of work and for the purpose outlined in the contract dated 27 Sept 2012. No responsibility is accepted for use of any part of this design in any other context or for any other purpose. URS accepts no liability for the use of this drawing where it has been provided in electronic format, nor for any changes made to it following its issue. URS certifies the printed version to be binding. A hard copy of this drawing is to be held on file by URS and may be provided if requested.



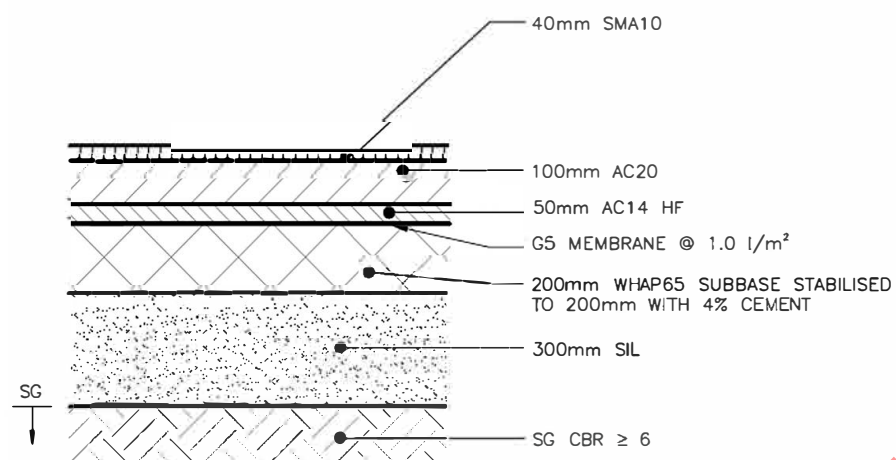
MAIN ALIGNMENT & RAMPS - OGPA



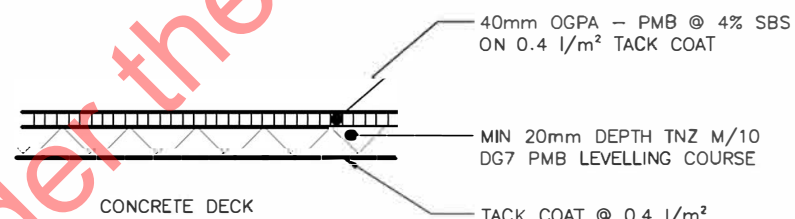
MAIN ALIGNMENT - CHIPSEAL & VICTORIA RD 2



MAIN ALIGNMENT - HILAB TRIAL SECTION  
NZTA DESIGN



VICTORIA RD INTERCHANGE



MAIN ALIGNMENT BRIDGE DECKS

- NOTE:**
1. THE HILAB PAVEMENT TRIAL IS TO BE CONSTRUCTED ALONG THE SOUTHBOUND LANES BETWEEN CHAINAGES 7800m AND 8800m. THE HILAB PAVEMENT TRIAL DETAILS ARE TO BE CONFIRMED BY NZTA PRIOR TO CONSTRUCTION
  2. THE SIL IS TO CONSIST OF A WELL GRADED SAND OR A WELL GRADED BLUE/BROWN ROCK.
  3. THE 180mm STABILISED WHAP65 SUBBASE IS TO CONSIST OF 230mm OF WHAP65 STABILISED TO 180mm IF BLUE/BROWN ROCK SIL IS USED. ALTERNATIVELY THE 230mm OF WHAP 65 CAN BE MADE UP OF 180mm OF WHAP 65 & 50mm SAND.
  4. THE 200mm STABILISED WHAP65 SUBBASE IS TO CONSIST OF 250mm OF WHAP65 STABILISED TO 200mm IF BLUE/BROWN ROCK SIL IS USED. ALTERNATIVELY THE 250mm OF WHAP 65 CAN BE MADE UP OF 200mm OF WHAP 65 & 50mm SAND.
  5. A CEMENTED SUBBASE MAY BE ADOPTED AS A CONTINGENCY WHERE GROUND CONDITIONS DICTATE.
  6. CEMENTED SUBBASE'S ARE TO BE PRECRACKED USING A 12 TONNE ROLLER IN STATIC MODE AND FROM THE CONSTRUCTION OF THE BASE LAYERS ABOVE.
  7. A TACK COAT IS TO BE APPLIED BETWEEN THE AC14HF & AC20 AT AN APPLICATION RATE OF 0.3 l/m².
  8. A TACK COAT IS TO BE APPLIED BETWEEN THE AC20 & SMA10 AT AN APPLICATION RATE OF 0.3 l/m².
  9. FOR A SUBGRADE CBR < 3.5 MITIGATION TREATMENT TO BE DIRECTED BY THE GEOTECHNICAL DESIGNER.

Approved for Issue

S 9(2)(a)

01	AS-BUILT REVISION	S 9(2)(a)	S 9(2)(a)	10.05.16
AB	AS-BUILT			11.12.15
Rev	Revision Description	Drawn	Checked	Date

Tab	006
Scales	1:2500 A1 1:5000 A3
Original Size	A1



WAIKATO EXPRESSWAY: TAMAHERE TO CAMBRIDGE SECTION

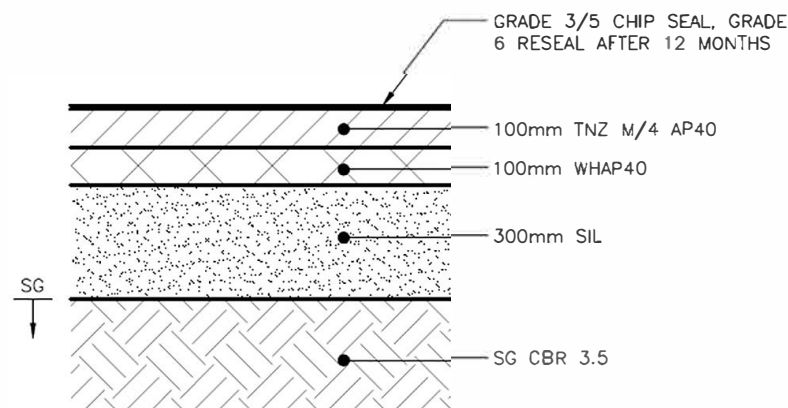
PAVEMENT DETAILS  
EXPRESSWAY AND RAMPS  
SHEET 1 OF 1

Status AS-BUILT

Drawing Number C-115-006

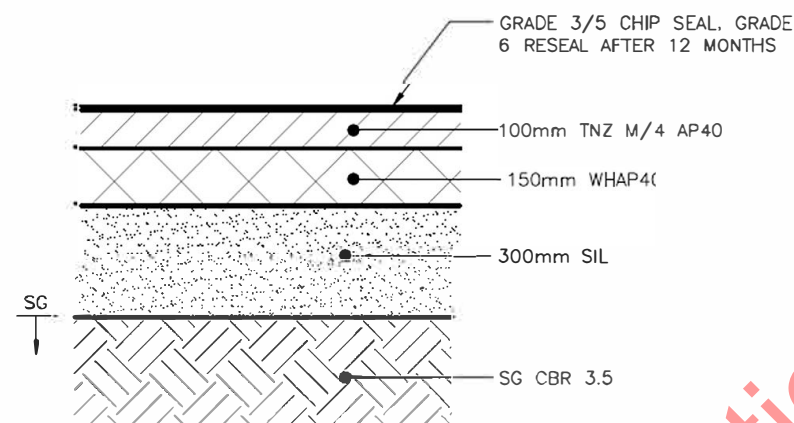
Revision 01

This design is based on generally accepted practices and standards at the time it was prepared. No other warranty, expressed or implied, is made. It is prepared in accordance with the scope of work and for the purposes outlined in the contract dated 27 Sept 2012. No responsibility is accepted for use of any part of this design in any other context or for any other purpose. URS accepts no liability for the use of this drawing where it has been provided in electronic format, nor for any changes made to it following its issue. URS considers the printed version to be binding. A hard copy of this drawing is to be provided if requested.



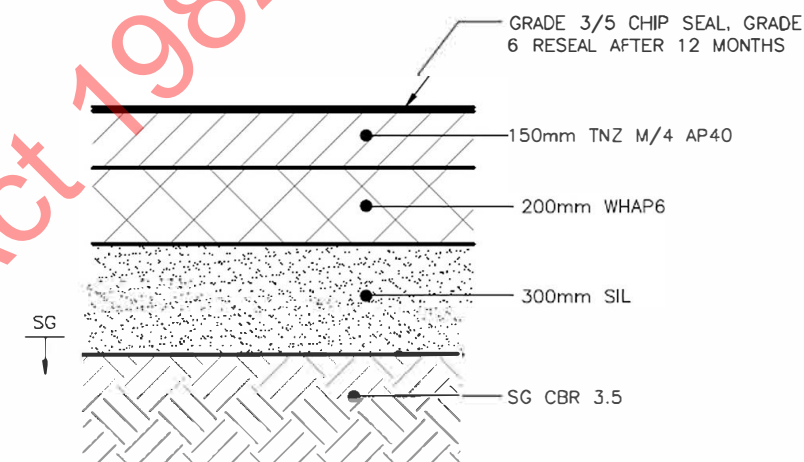
B1

NOTES: FOR A SUBGRADE CBR < 3.5 MITIGATION TREATMENT TO BE DIRECTED BY THE GEOTECHNICAL DESIGNER.



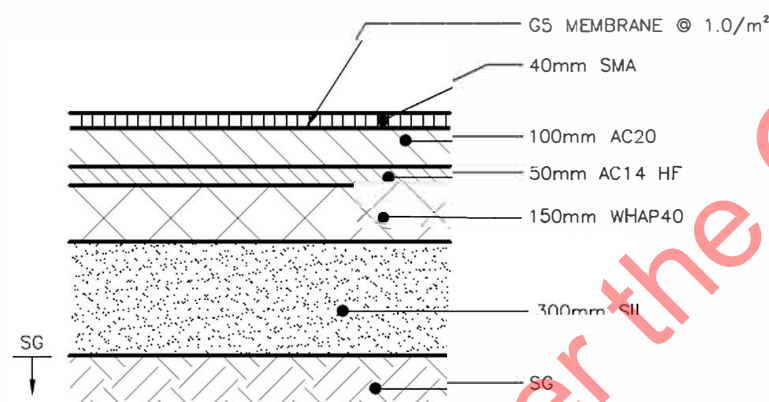
B2

NOTES: FOR A SUBGRADE CBR < 3.5 MITIGATION TREATMENT TO BE DIRECTED BY THE GEOTECHNICAL DESIGNER.



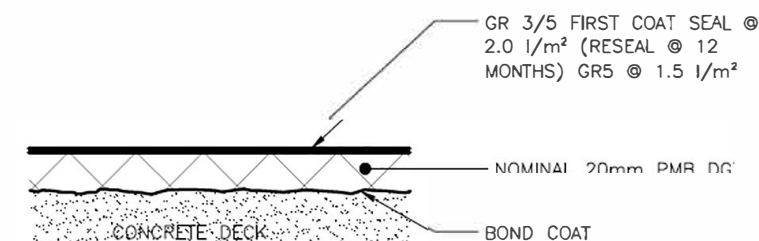
B3 & A3

NOTES: 1. FOR A SUBGRADE CBR < 3.5 MITIGATION TREATMENT TO BE DIRECTED BY THE GEOTECHNICAL DESIGNER.  
2. IF SUBGRADE CBR  $\geq 5$  REPLACE 200mm WHAP65 WITH 100mm WHAP40.  
3. FOR A3 PAVEMENT  
• PLACE 25mm OF DG7 ASPHALT ON THE GRADE 3/5 CHIP SEAL.  
• EXTENTS OF DG7 AREAS TO BE KEYED-IN BY MILLING & HEAVY TACK & BLIND.



SAC-P

NOTES: 1. A TACK COAT IS TO BE APPLIED BETWEEN THE AC14HF & AC20 AT AN APPLICATION RATE OF  $0.3 \text{ l/m}^2$ .  
2. A TACK COAT IS TO BE APPLIED BETWEEN THE AC20 & SMA10 AT AN APPLICATION RATE OF  $0.3 \text{ l/m}^2$ .  
3. AC14 HF NOT TO BE TRAFFICKED EXCEPT FOR CONSTRUCTION OF AC20 LAYER.



LOCAL ROADS BRIDGE SURFACING DETAIL

Rev	Revision Description	Drawn	Checked	Design	Approved	Date
01	AS-BUILT REVISION					10.05.16
02	AS-BUILT					11.12.15

Tab	007
Scales	1 : 300 A.1 1 : 500 A.3
Original Size	A1

WAIKATO EXPRESSWAY: TAMAHERE TO CAMBRIDGE SECTION	
PAVEMENT TYPES LOCAL ROADS SHEET 1 OF 1	Status <b>AS-BUILT</b>
Drawing Number <b>C-115-007</b>	Revision <b>10</b>