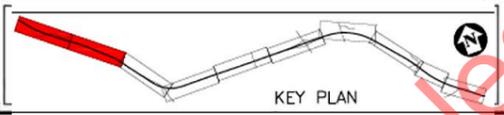
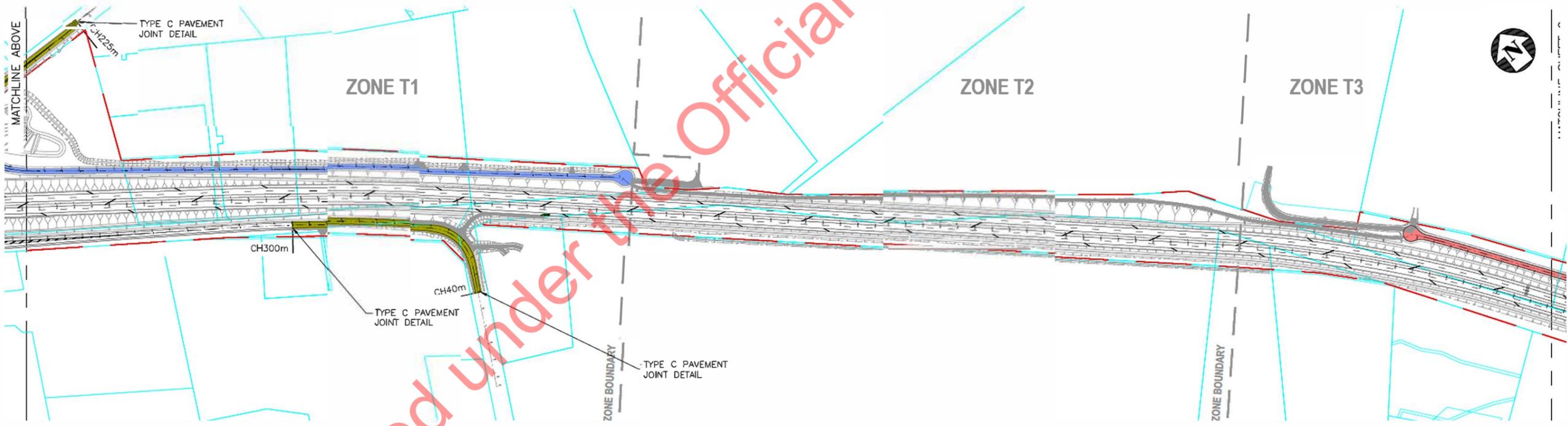
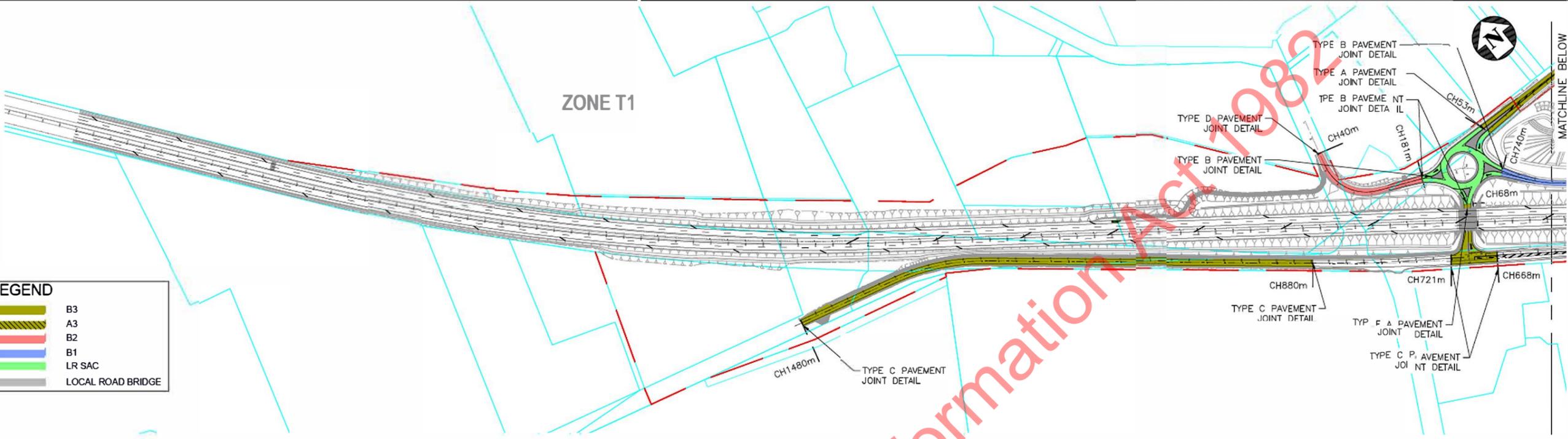


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LEGEND	
	B3
	A3
	B2
	B1
	LR SAC
	LOCAL ROAD BRIDGE

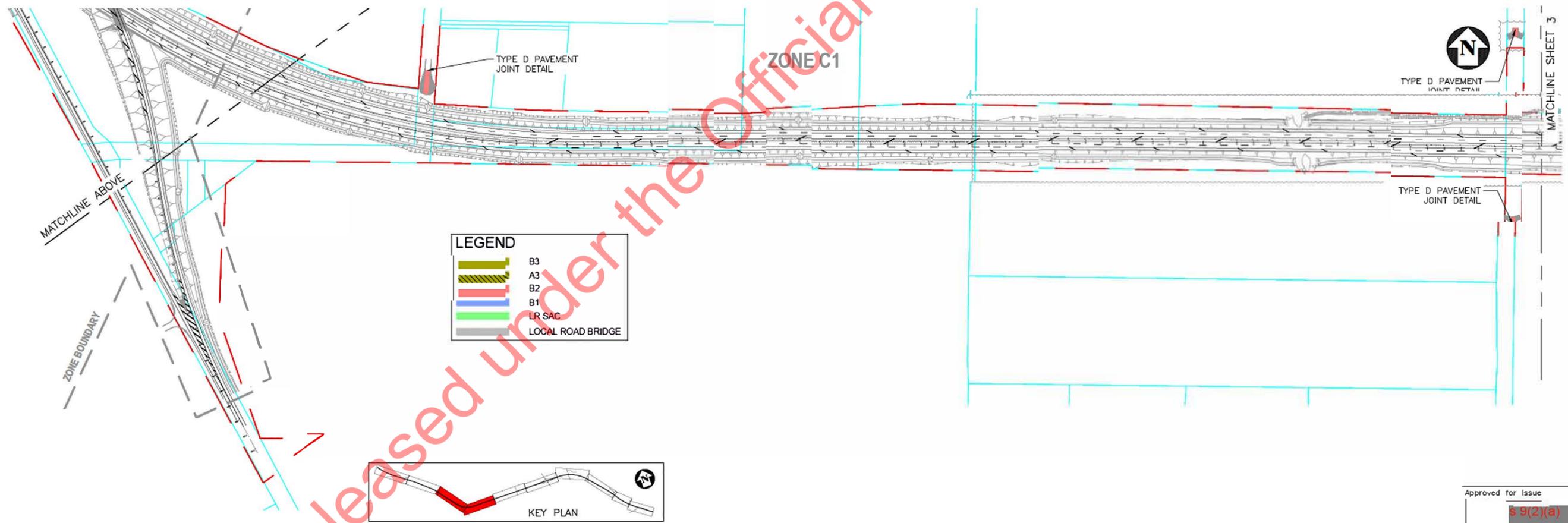
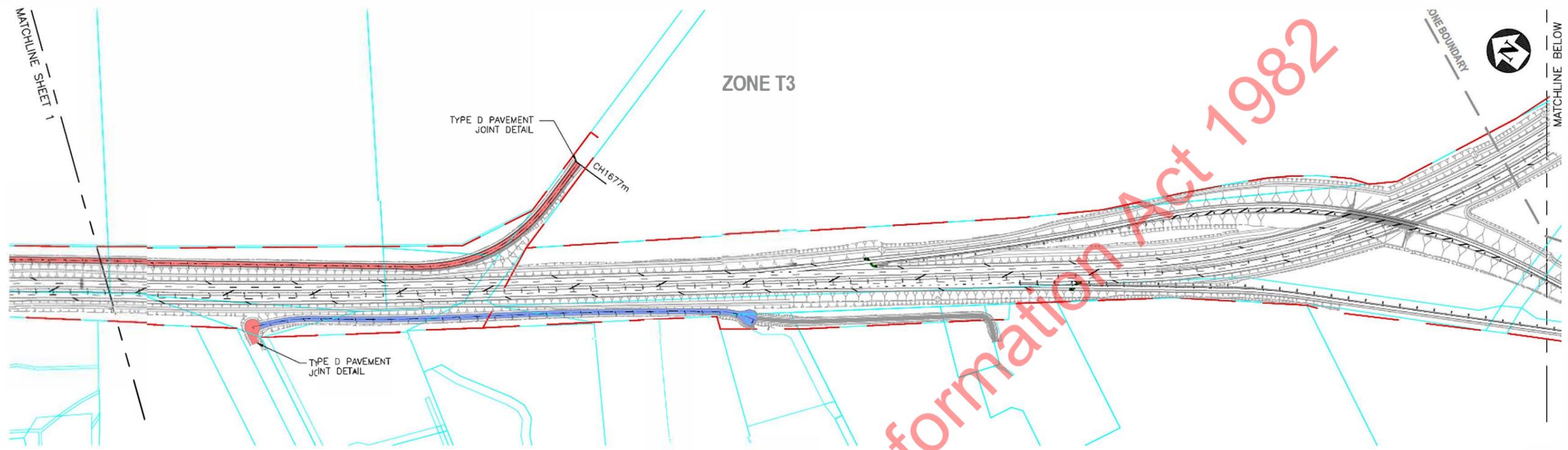


Approved for Issue
s 9(2)(a)

01	AS-BUILT REVISION	10.05.16	1:2500 A1 1:5000 A3
AB	AS-BUILT	11.12.15	Original Size
Rev	Revision Description	Date	Original Size

WAIKATO EXPRESSWAY: TAMAHERE TO CAMBRIDGE SECTION		
PAVEMENT TYPES		Status AS-BUILT
LOCAL ROADS		Drawing Number C-115-001
SHEET 1 OF 5		Revision 01

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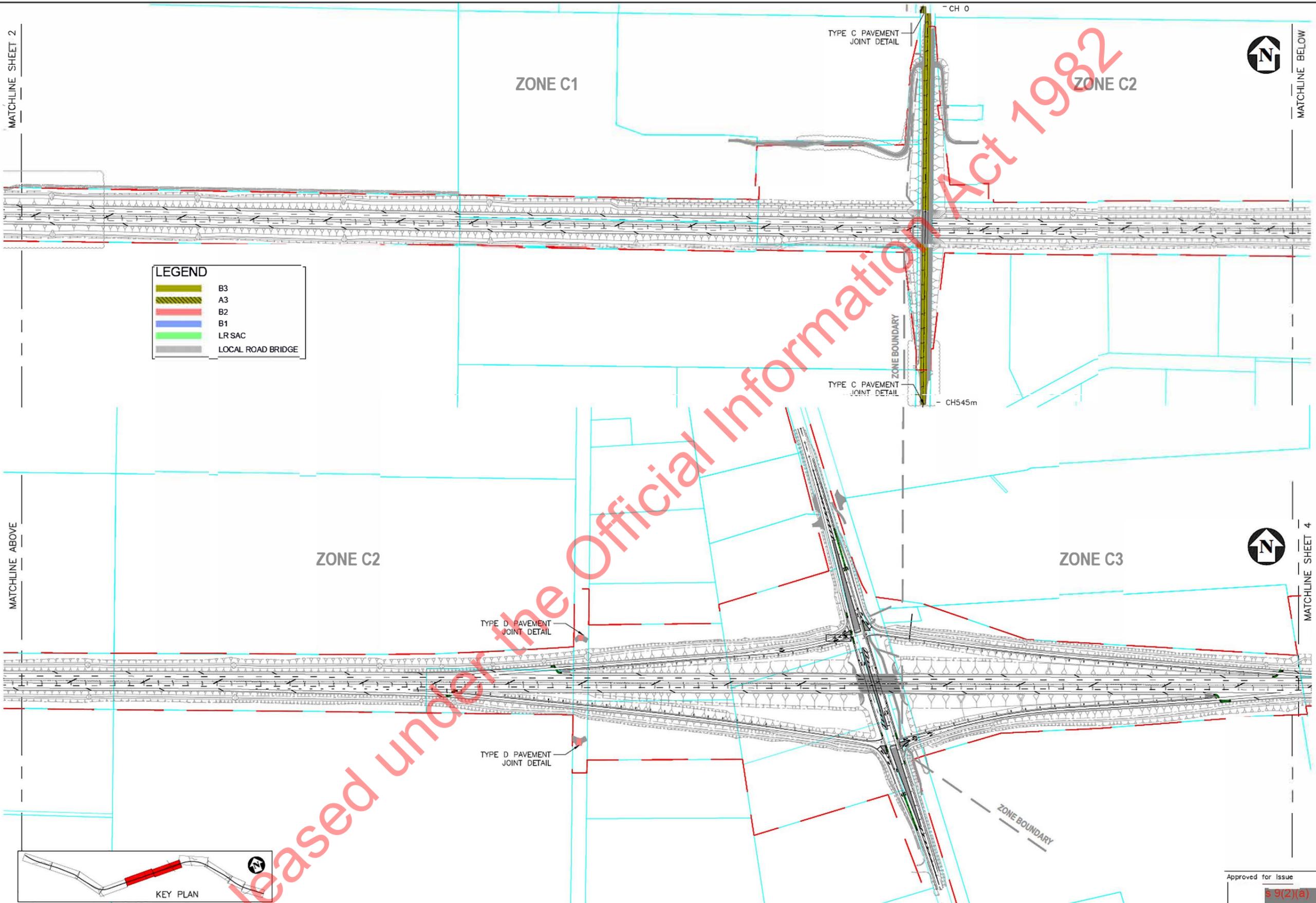
LEGEND	
	B3
	A3
	B2
	B1
	LR SAC
	LOCAL ROAD BRIDGE

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

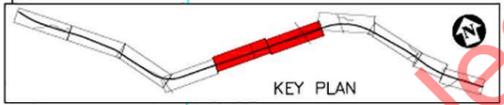
Tab	002
Scales	1:2500 A1 1:5000 A3
Original Size	A1

WAIKATO EXPRESSWAY: TAMAHERE TO CAMBRIDGE SECTION		
PAVEMENT TYPES LOCAL ROADS SHEET 2 OF 5		Status AS-BUILT
Drawing Number C-115-002		Revision 01

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	B3
	A3
	B2
	B1
	LR SAC
	LOCAL ROAD BRIDGE



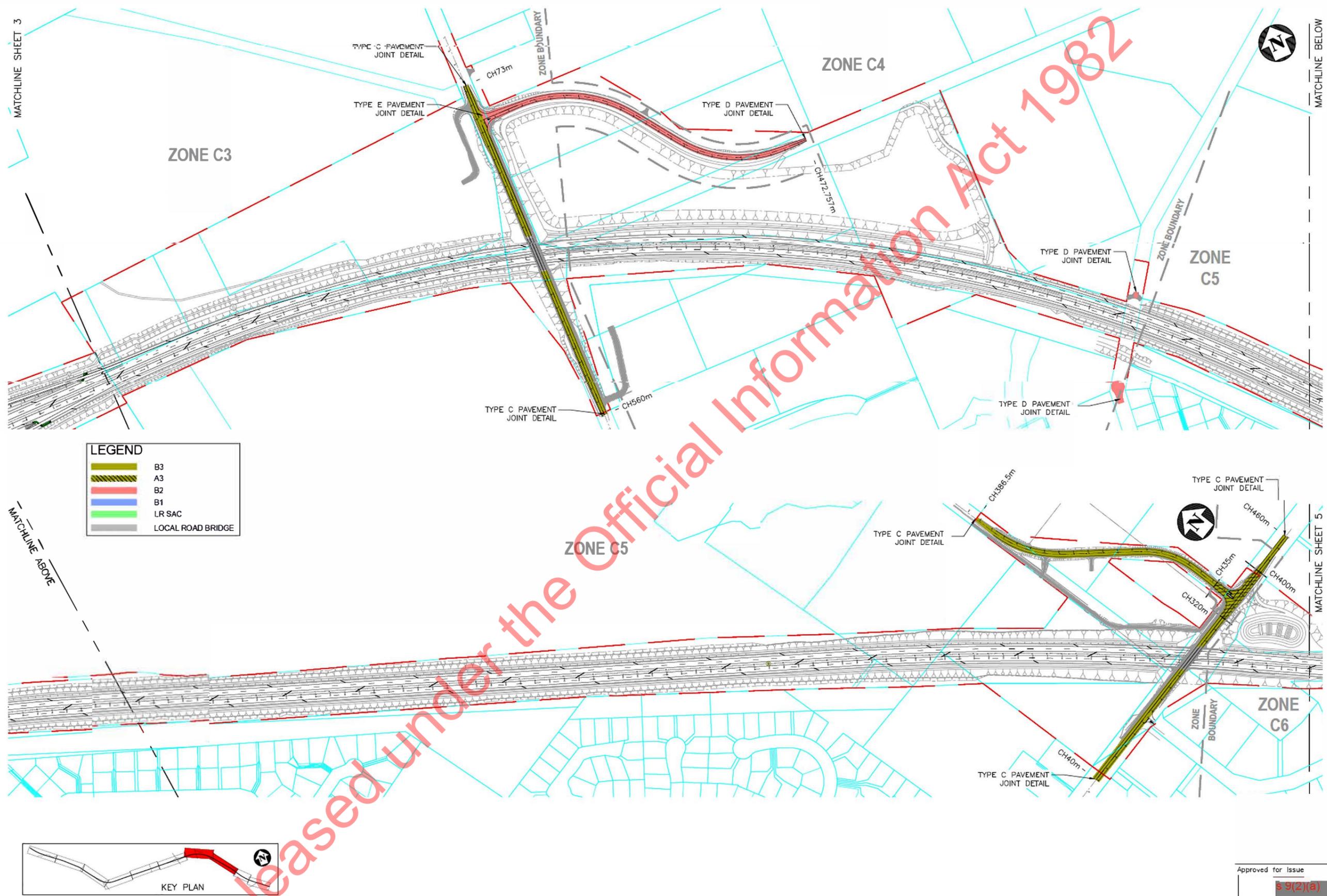
Approved for Issue
§ 9(2)(a)

01 AS-BUILT REVISION		§ 9(2)(a)	§ 9(2)(a)	10.05.16	Date
AB AS-BUILT				11.12.15	Date
Rev	Revision Description	Drawn	Drawing Checked	Designed	Design Checked

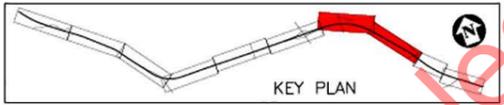
Tob	003
Scales	1:2500 A1 1:5000 A3
Original Size	A1

WAIKATO EXPRESSWAY: TAMAHERE TO CAMBRIDGE SECTION		
PAVEMENT TYPES LOCAL ROADS SHEET 3 OF 5		Status AS-BUILT Drawing Number C-115-003 Revision 01

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LEGEND	
	B3
	A3
	B2
	B1
	LR SAC
	LOCAL ROAD BRIDGE



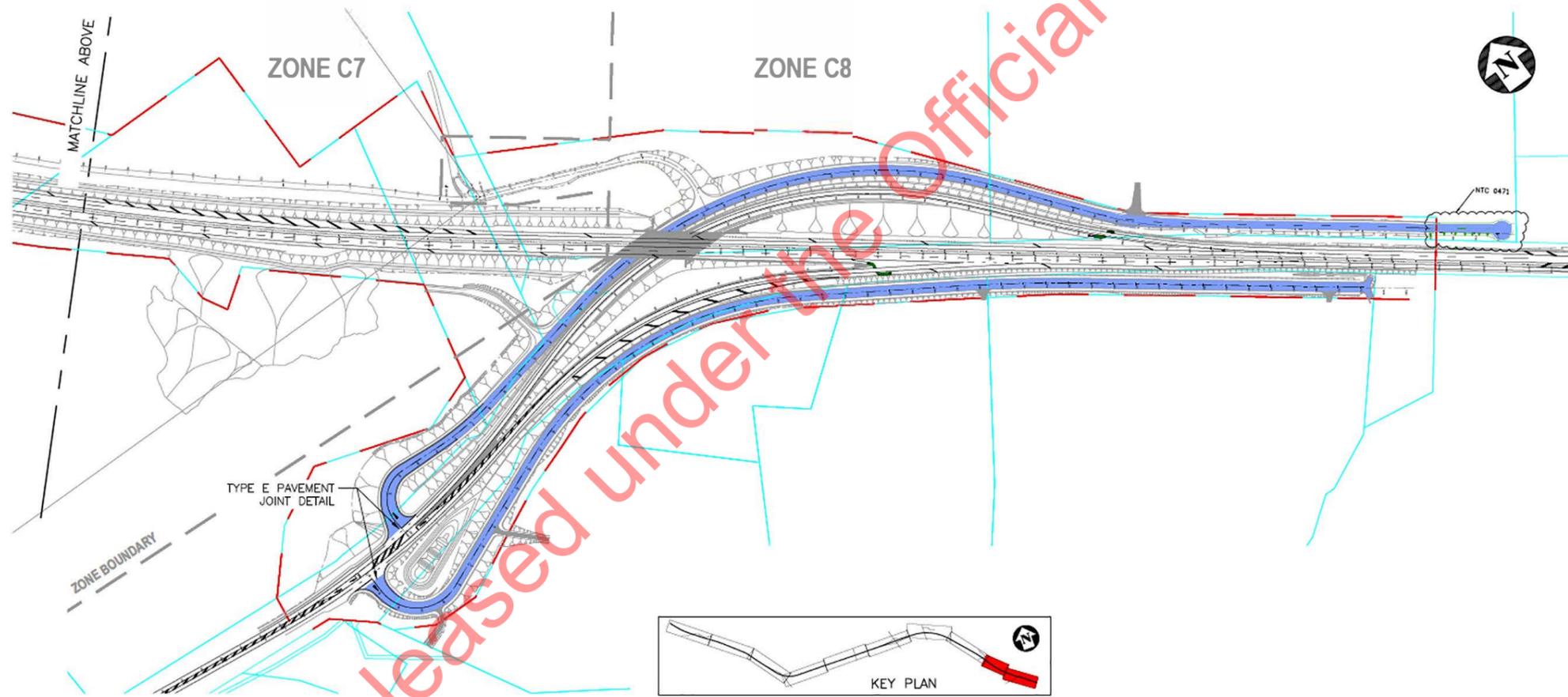
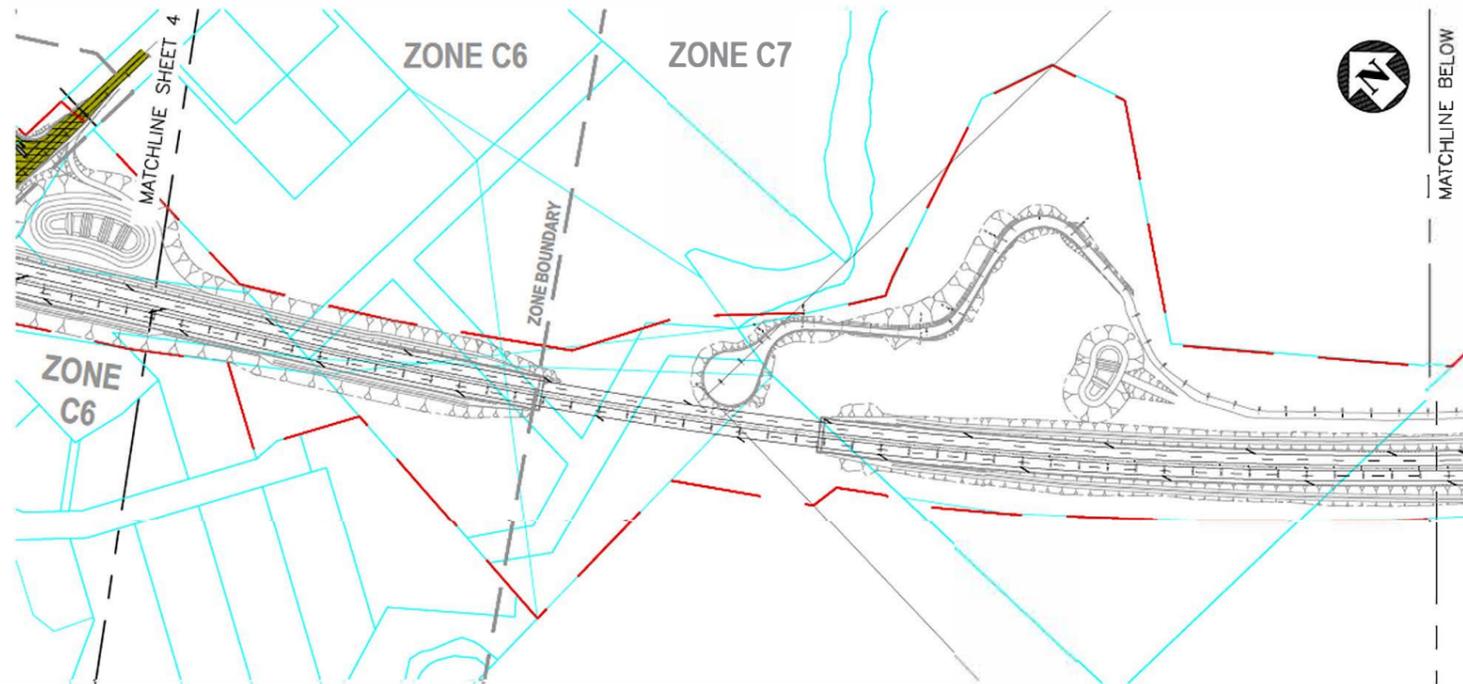
01	AS-BUILT REVISION	§ 9(2)(a)	§ 9(2)(a)	10.05.16	1:2500 A1			
AB	AS-BUILT			11.12.15	1:5000 A3			
Rev	Revision Description	Drawn	Drawing Checked	Designed	Design Checked	Approved	Date	Original Size

HEB Construction
 URS
 TDG
 WARTLEY CONSULTANTS
 Jasmox
 GAIA ENGINEERS

NZ TRANSPORT AGENCY
 WAKA ŌTAHI

WAIKATO EXPRESSWAY: TAMAHERE TO CAMBRIDGE SECTION		Approved for Issue § 9(2)(a)
PAVEMENT TYPES LOCAL ROADS SHEET 4 OF 5	Status AS-BUILT	Drawing Number C-115-004
		Revision 01

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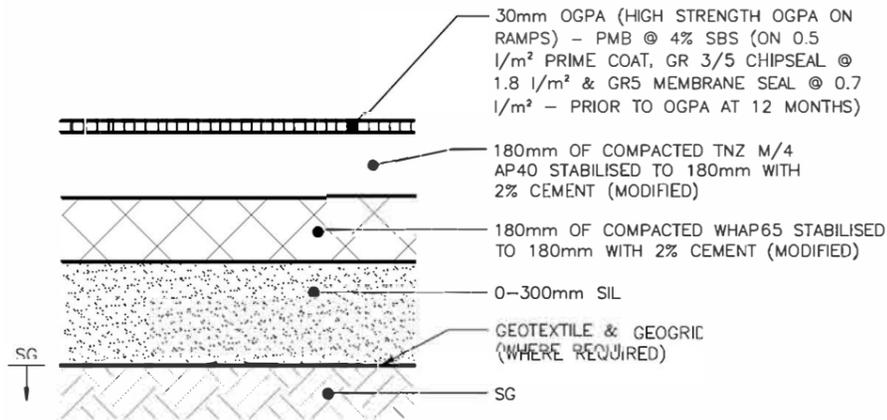
LEGEND	
	B3
	A3
	B2
	B1
	LR SAC
	LOCAL ROAD BRIDGE

Rev	Revision Description	Drawn	Drawing 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

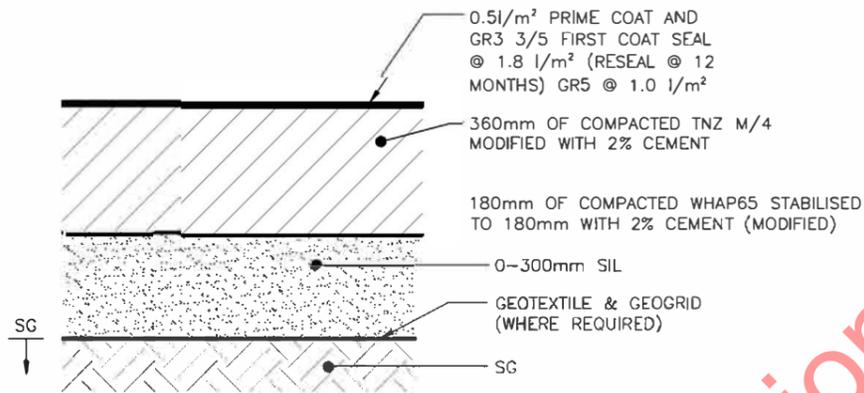
Tob	005
Scales	1:2500 A1 1:5000 A3
Original Size	A1

WAIKATO EXPRESSWAY: TAMAHERE TO CAMBRIDGE SECTION		Approved for Issue s 9(2)(a)
PAVEMENT TYPES	Status	AS-BUILT
LOCAL ROADS	Drawing Number	Revision
SHEET 5 OF 5	C-115-005	02

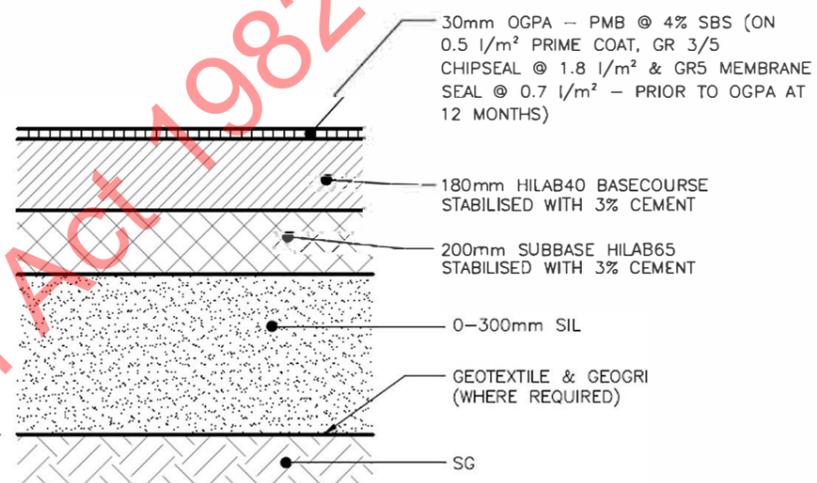
This design is based on generally accepted practices and standards at the time it was prepared. No other warranty, expressed or implied, is made. It is prepared in accordance with the scope of work and for the purpose outlined in the contract dated 27 Sept 2012. No responsibility is accepted for uses 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 held on file by URS and may be provided if requested.



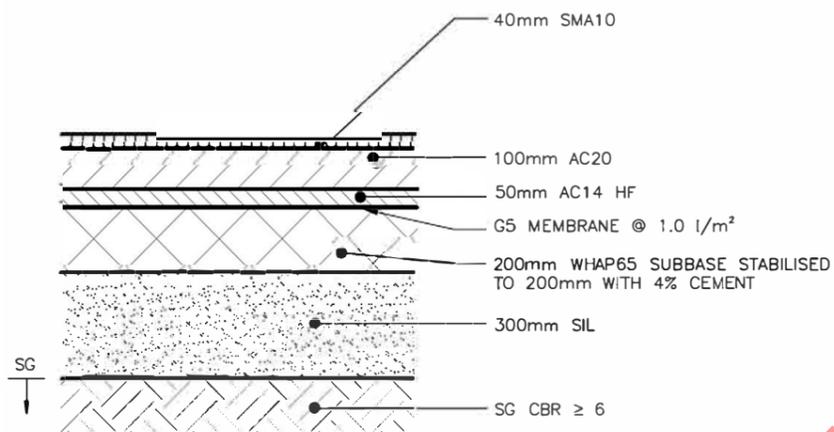
MAIN ALIGNMENT & RAMPS - OGPA



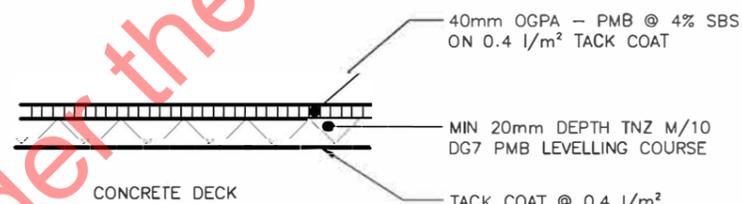
MAIN ALIGNMENT - CHIPSEAL & VICTORIA RD 2



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

§ 9(2)(a)

01	AS-BUILT REVISION	§ 9(2)(a)	§ 9(2)(a)	10.05.16	1:2500 A1 1:5000 A3		
AB	AS-BUILT			11.12.15	Original Size A1		
Rev	Revision Description	Drawn	Checked	Designed	Design Checked	Approved	Date

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

WAIKATO EXPRESSWAY: TAMAHERE TO CAMBRIDGE SECTION

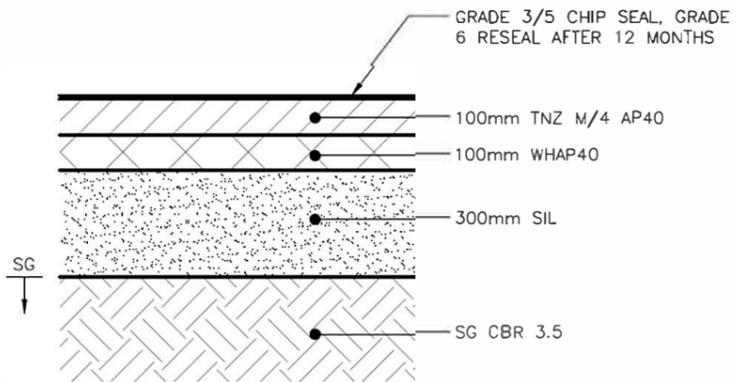
PAVEMENT DETAILS
EXPRESSWAY AND RAMPS
SHEET 1 OF 1

Status AS-BUILT

Drawing Number C-115-006

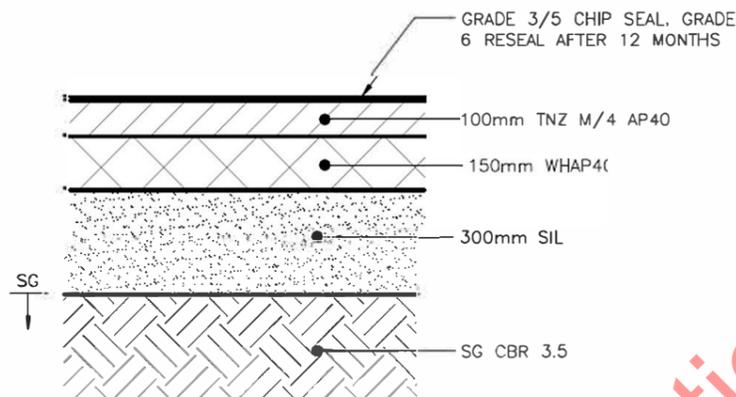
Revision 01

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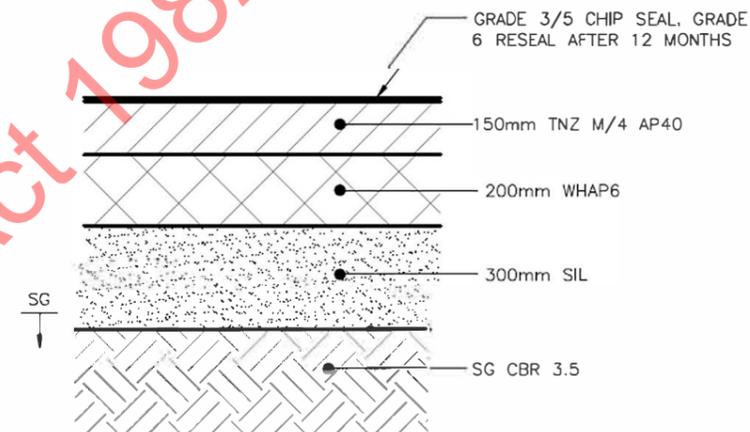
B1

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



B2

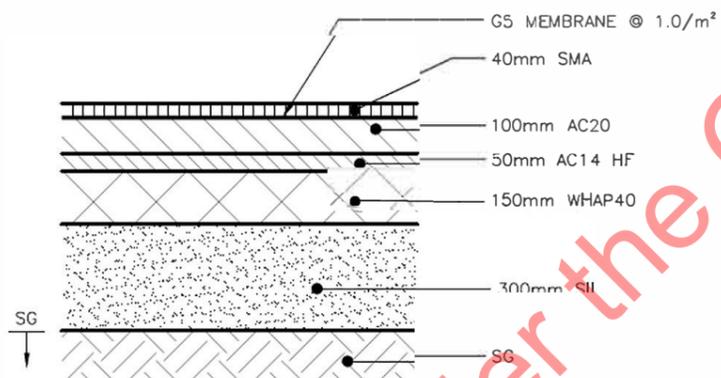
NOTES: FOR A SUBGRADE CBR < 3.5 MITIGATION TREATMENT TO BE DIRECTED BY THE GEOTECHNICAL DESIGNER.



B3 & A3

NOTES:

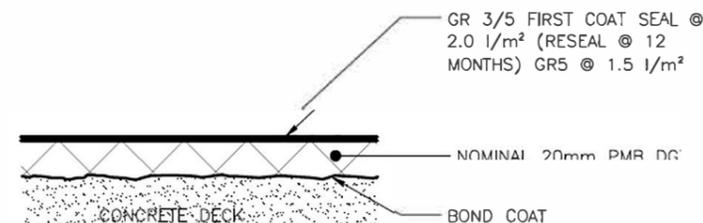
- FOR A SUBGRADE CBR < 3.5 MITIGATION TREATMENT TO BE DIRECTED BY THE GEOTECHNICAL DESIGNER
- IF SUBGRADE CBR ≥ 5 REPLACE 200mm WHAP65 WITH 100mm WHAP40.
- FOR A3 PAVEMENT
 - PLACE 25mm OF DG7 ASPHALT ON THE GRADE 3/5 CHIP SEAL.
 - EXTENTS OF DG7 AREAS TO BE KEYED-IN BY MILLING & HEAVY TACK & BLIND.



SAC-P

NOTES:

- A TACK COAT IS TO BE APPLIED BETWEEN THE AC14HF & AC20 AT AN APPLICATION RATE OF 0.3 l/m².
- A TACK COAT IS TO BE APPLIED BETWEEN THE AC20 & SMA10 AT AN APPLICATION RATE OF 0.3 l/m².
- AC14 HF NOT TO BE TRAFFICKED EXCEPT FOR CONSTRUCTION OF AC20 LAYER.



LOCAL ROADS BRIDGE SURFACING DETAIL

Approved for Issue

9/7/15

Rev	Revision Description	Drawn	Checked	Designed	Design Checked	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	AS-BUILT
Drawing Number	C-115-007
Revision	10