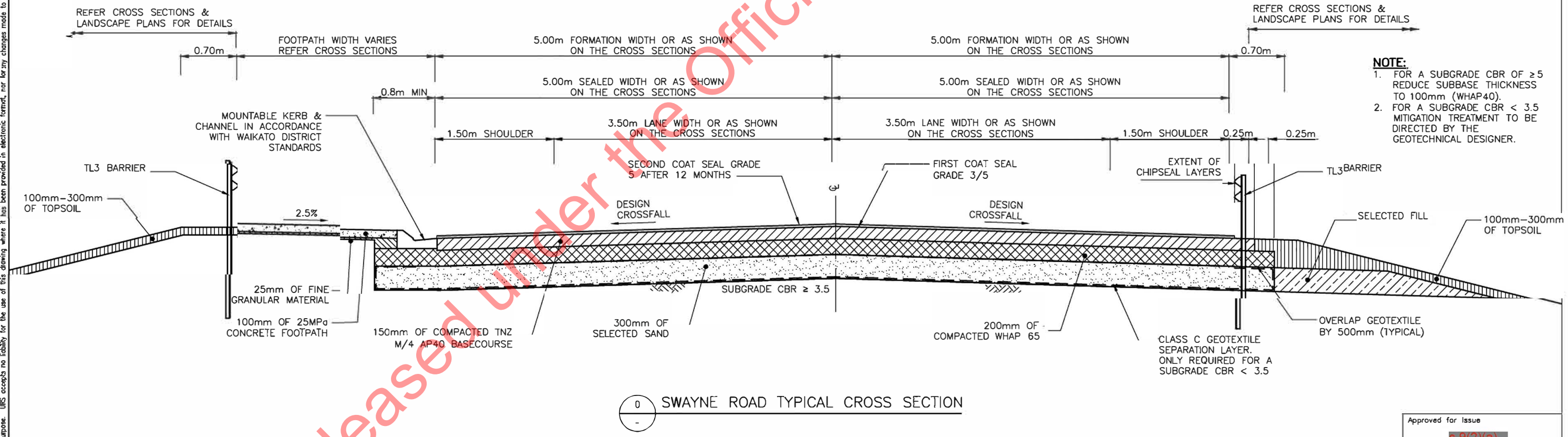
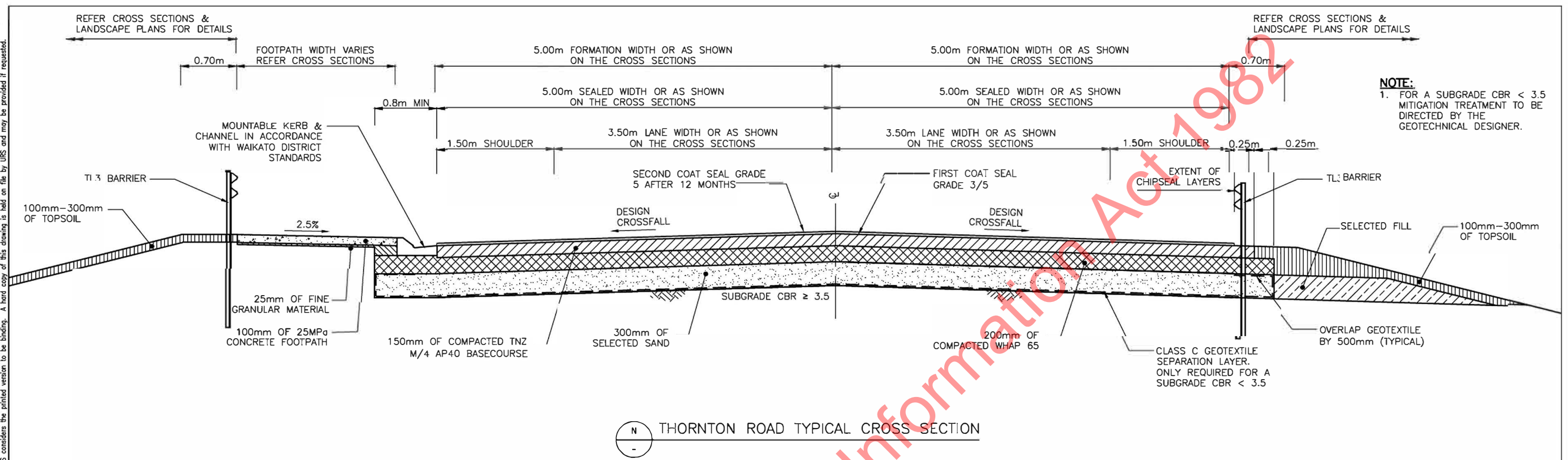


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Approved for Issue		s 9(2)(a)	
WAIKATO EXPRESSWAY: TAMAHERE TO CAMBRIDGE SECTION			
LOCAL ROADS WAIPA DC		Status: AS-BUILT	
TYPICAL CROSS SECTIONS		Drawing Number: C-115-028	
SHEET 1 OF 5		Revision: AB	

HEB Construction

URS

TDG

Jasmax

GAIA

NZ TRANSPORT AGENCY

15.06.17

1:25 A1

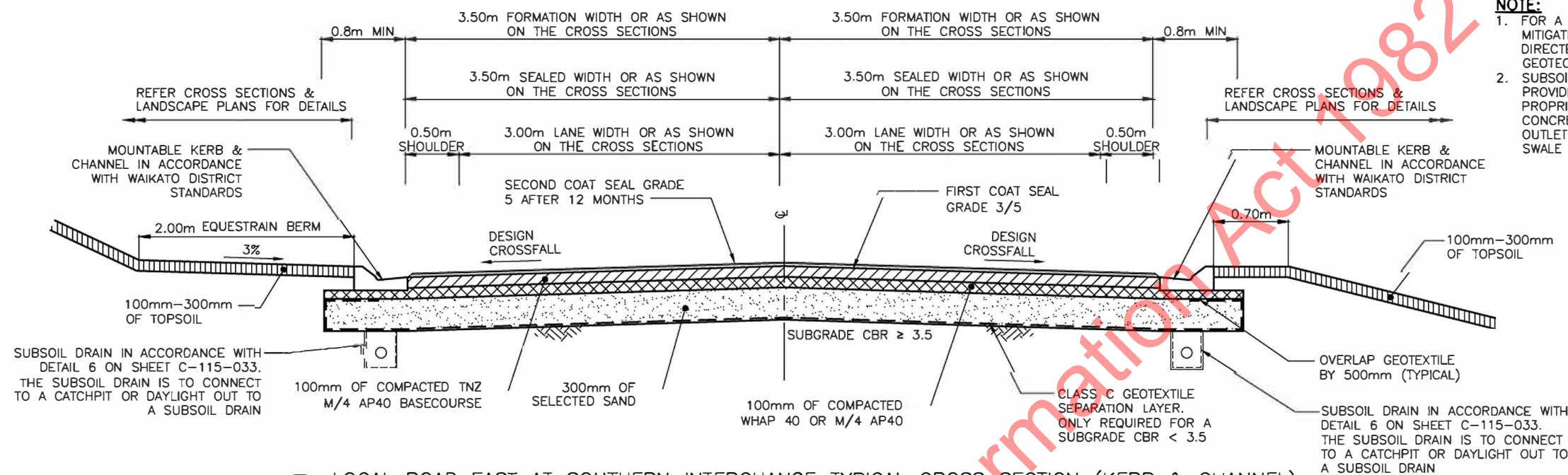
1:50 A3

Original Size: A1

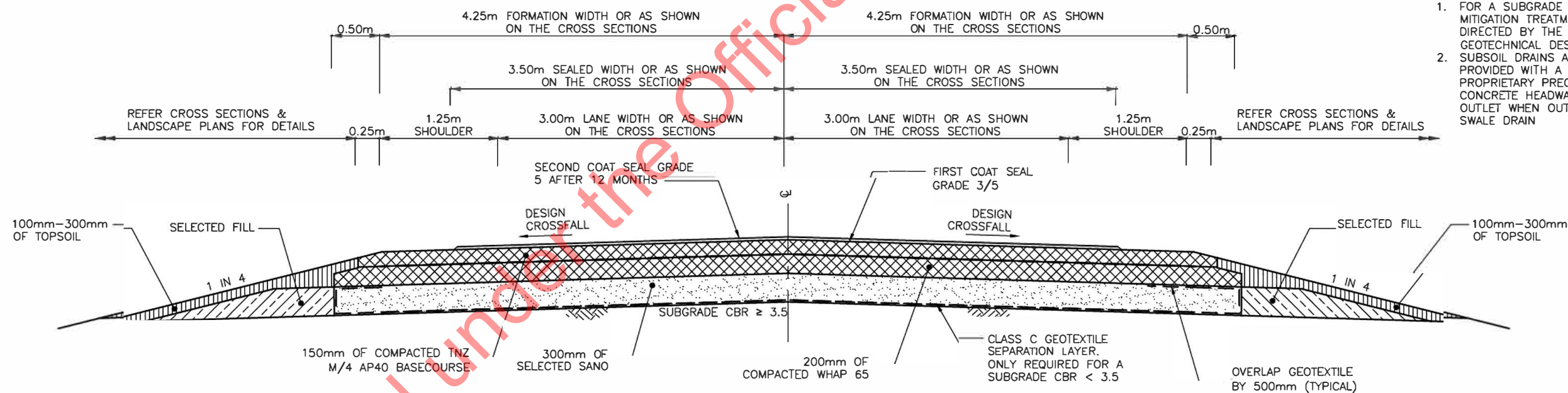
1-Oct-17 11:13 a.m.

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P LOCAL ROAD EAST AT SOUTHERN INTERCHANGE TYPICAL CROSS SECTION (KERB & CHANNEL)



Q APPLEBY ROAD TYPICAL CROSS SECTION

AB	AS-BUILT	15.06.17	1:25 A1	1:50 A3	Original Size	A1
Rev	Revision Description	Drawn	Checked	Designed	Design Checked	Approved
1	AS-BUILT	s 9(2)(a)	s 9(2)(a)	s 9(2)(a)	s 9(2)(a)	s 9(2)(a)



WAIKATO EXPRESSWAY: TAMAHERE TO CAMBRIDGE SECTION

LOCAL ROADS WAIPA DC
TYPICAL CROSS SECTIONS
SHEET 2 OF 5

Approved for Issue

s 9(2)(a)

Status AS-BUILT

Drawing Number C-115-029

Revision AB

100mm-300mm OF TOPSOIL

SELECTED FILL

1 IN 4

1 IN 5

150mm OF COMPACTED TNZ M/4 AP40 BASECOURSE

300mm OF SELECTED SAND

200mm OF COMPACTED WHAP 65

CLASS C GEOTEXTILE SEPARATION LAYER. ONLY REQUIRED FOR A SUBGRADE CBR < 3.5

OVERLAP GEOTEXTILE BY 500mm (TYPICAL)

1 IN 4

1 IN 5

100mm-300mm OF TOPSOIL

SELECTED FILL

0.75m FEATHER EDGE

1.50m SHOULDER

3.50m LANE WIDTH OR AS SHOWN ON THE CROSS SECTIONS

5.00m SEALED WIDTH OR AS SHOWN ON THE CROSS SECTIONS

5.00m FORMATION WIDTH OR AS SHOWN ON THE CROSS SECTIONS

0.50m

0.25m

REFER CROSS SECTIONS & LANDSCAPE PLANS FOR DETAILS

DESIGN CROSSFALL

FIRST COAT SEAL GRADE 3/5

SECOND COAT SEAL GRADE 5 AFTER 12 MONTHS

NOTE:

1. FOR A SUBGRADE CBR MITIGATION TREATMENT DIRECTED BY THE GEOTECHNICAL DESIGN

MITIGATION TREATMENT
DIRECTED BY THE
GEOTECHNICAL DESIGNER

0.50m 4.25m FORMATION WIDTH OR AS SHOWN ON THE CROSS SECTIONS 4.25m FORMATION WIDTH OR AS SHOWN ON THE CROSS SECTIONS 2.50m EQUESTRIAN BERM

3.50m SEALED WIDTH OR AS SHOWN ON THE CROSS SECTIONS 3.50m SEALED WIDTH OR AS SHOWN ON THE CROSS SECTIONS

REFER CROSS SECTIONS & LANDSCAPE PLANS FOR DETAILS 0.25m 1.25m SHOULDER 3.00m LANE WIDTH OR AS SHOWN ON THE CROSS SECTIONS 3.00m LANE WIDTH OR AS SHOWN ON THE CROSS SECTIONS 1.25m SHOULDER

100mm-300mm OF TOPSOIL SELECTED FILL 1 IN 4

DESIGN CROSSFALL

SECOND COAT SEAL GRADE 5 AFTER 12 MONTHS

FIRST COAT SEAL GRADE 3/5

OVERLAP GEOTEXTILE BY 500mm (TYPICAL)

4%

1 IN 4

SEE LANDSCAPING PLAN FOR TREATMENT OF EQUESTRIAN BERM

100mm OF COMPACTED TNZ M/4 AP40 BASECOURSE

300mm OF SELECTED SAND

SUBGRADE CBR > 3.5

100mm OF COMPACTED WHAP 40 OR M/4 AP40

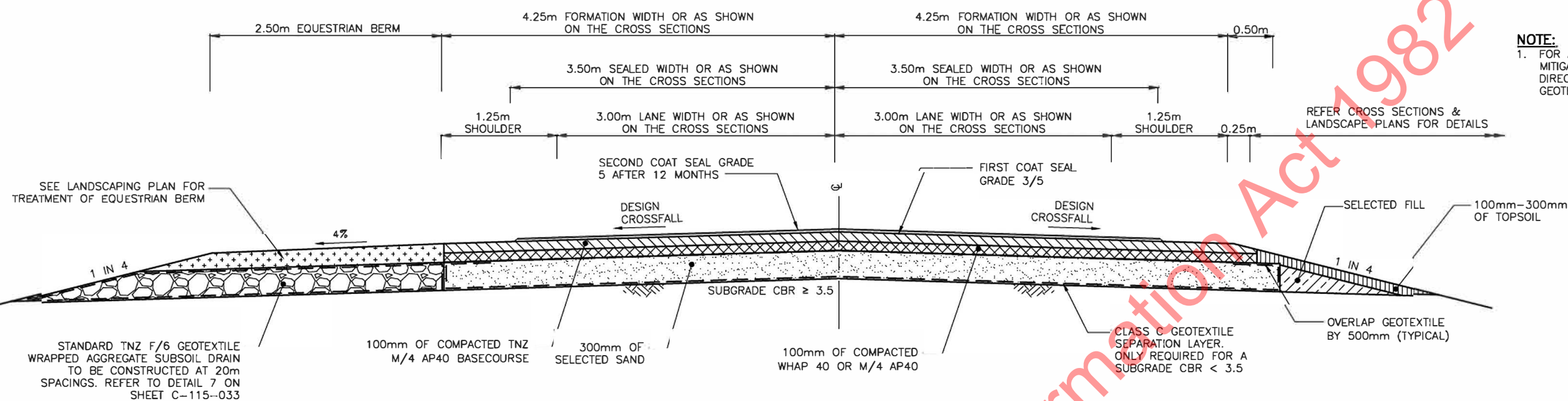
CLASS C GEOTEXTILE SEPARATION LAYER. ONLY REQUIRED FOR A SUBGRADE CBR < 3.5

STANDARD TNZ F/6 GEOTEXTILE WRAPPED AGGREGATE SUBSOIL DRAIN TO BE CONSTRUCTED AT 20m SPACINGS. REFER TO DETAIL 7 ON SHEET C-115-033

LOCKLEY ROAD TYPICAL CROSS SECTION

										Approved for Issue	
										§ 9(2)(a)	
								Top 030		HEB Construction URS	
								Scales			
								1:25 A1 1:50 A3		TDG Jasmax GAIA ENGINEER	
								Original Size A1			
AB AS-BUILT								§ 9(2)(a) § 9(2)(a) 15.06.17		WAIKATO EXPRESSWAY: TAMAHERE TO CAMBRIDGE SECTION	
Rev Revision Description								Drawn Drawing Checked Design Checked Approved Date		LOCAL ROADS WAIPA DC TYPICAL CROSS SECTIONS SHEET 3 OF 5	
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								1-Oct-17 11:13 a.m.		Drawing Number C-115-030	
										Revision AB	

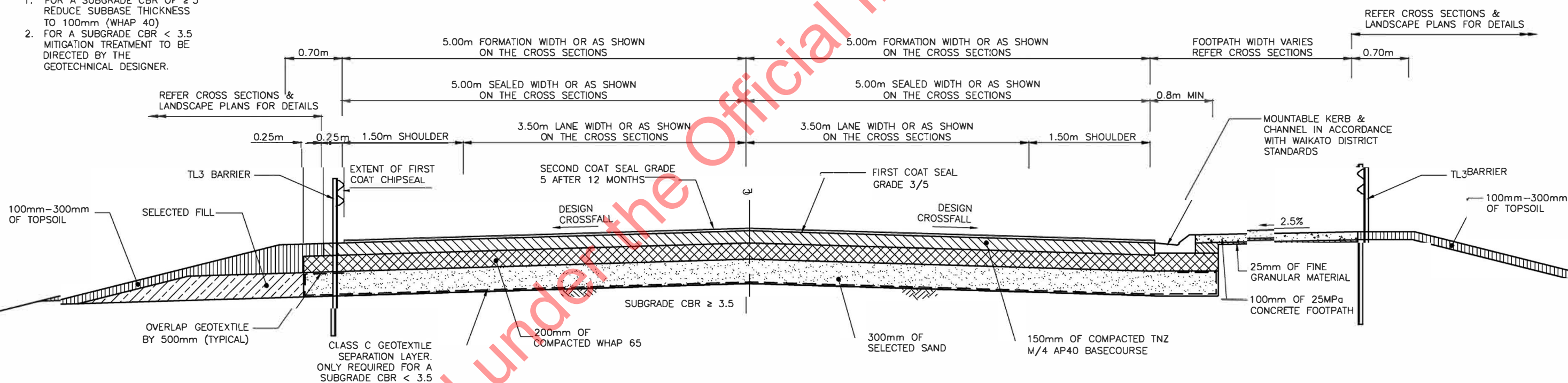
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NEWCOMBE ROAD TYPICAL CROSS SECTION

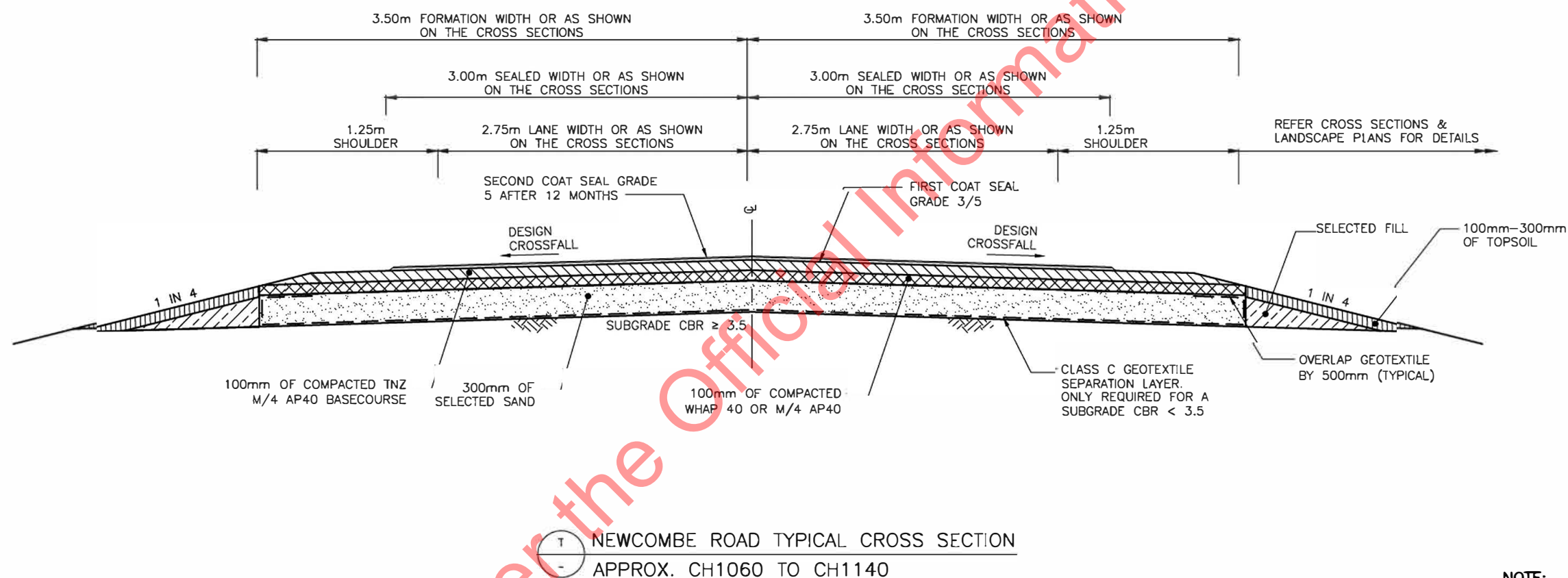
NOTE:

- NOTE:**
1. FOR A SUBGRADE CBR OF ≥ 5
REDUCE SUBBASE THICKNESS
TO 100mm (WHAP 40)
 2. FOR A SUBGRADE CBR < 3.5
MITIGATION TREATMENT TO BE
DIRECTED BY THE
GEOTECHNICAL DESIGNER.



PEAKE ROAD TYPICAL CROSS SECTION

										Tob		
										031		
										Scales		
										1:25 A1		
										1:50 A3		
AB	AS-BUILT											
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										15.06.17		
										Original Size		
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										Approved		
										Date		
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										11-Oct-		



NOTE:

- NOTE:**
1. FOR A SUBGRADE CBR < 3.5 MITIGATION TREATMENT TO BE DIRECTED BY THE GEOTECHNICAL DESIGNER.
 2. SEE C-117-249 REV2 FOR THIS CROSS SECTION.

										Approved for Issue	
										§ 9(2)(a)	
										Tob 031-A	
										Scales	
										1:25 A1 1:50 A3	
										Original Size A1	
     										WAIKATO EXPRESSWAY: TAMAHERE TO CAMBRIDGE SECTION LOCAL ROADS WAIAPA DC TYPICAL CROSS SECTIONS SHEET 5 OF 5	
AB AS-BUILT Rev Revision Description C:\Users\§ 9(2)(a)\Documents\CAD-STUFF\Accom\CAMBRIDGE\ASBUI										Status AS-BUILT Drawing Number C-115-031-A Revisi AB	
Drawn § 9(2)(a) Design Checked § 9(2)(a) Approved § 9(2)(a) Date 15.06.17 LT LATEST\Draws\C-115-028-031-A.dwg PRINTED BY: § 9(2)(a) 11-Oct-17 11:13 a.m.										© Document copyright of HEB Construction Limited and its project consultants 2013 and may only be used for its intended purposes	