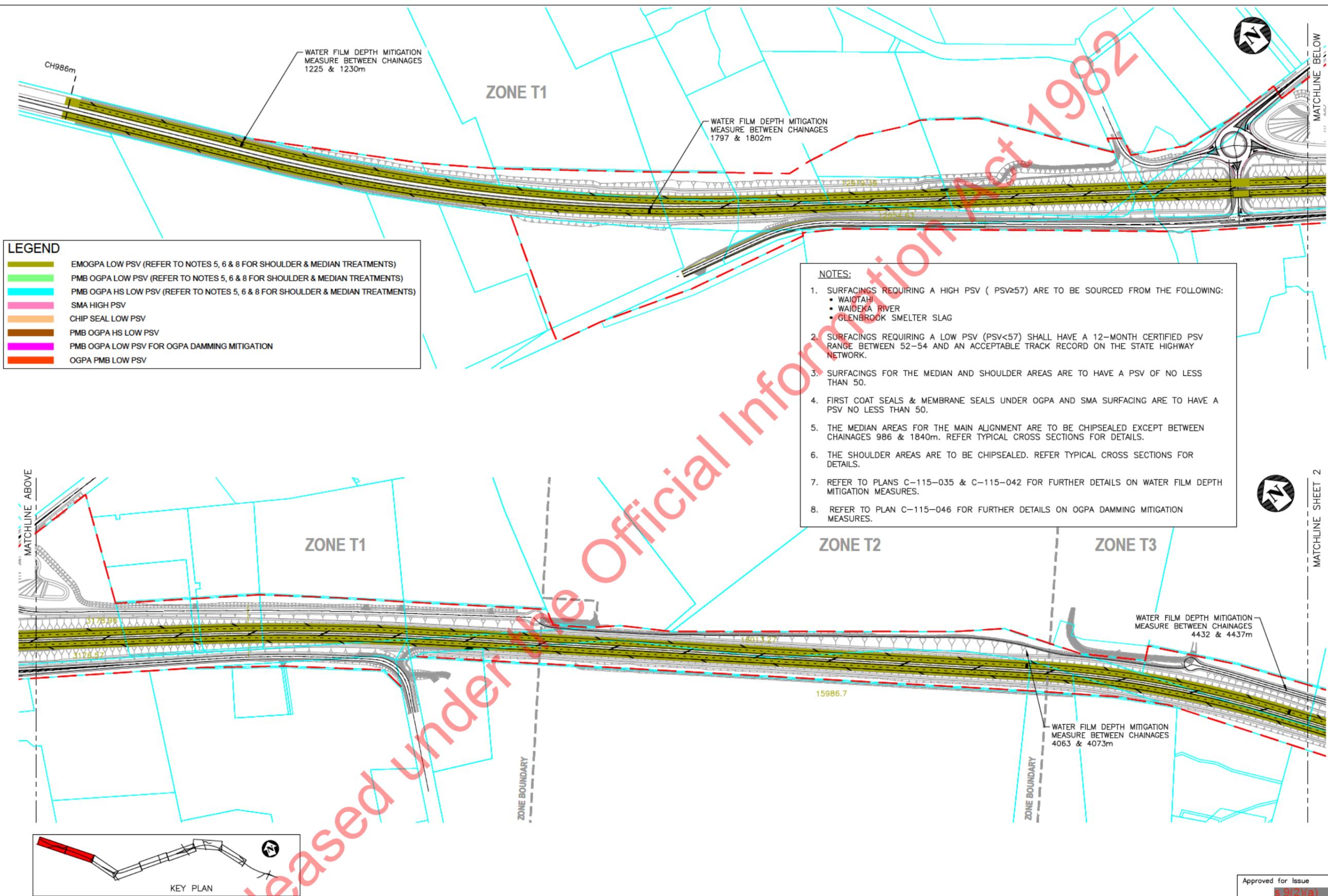


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**LEGEND**

	EMOGPA LOW PSV (REFER TO NOTES 5, 6 & 8 FOR SHOULDER & MEDIAN TREATMENTS)
	PMB OGPA LOW PSV (REFER TO NOTES 5, 6 & 8 FOR SHOULDER & MEDIAN TREATMENTS)
	PMB OGPA HS LOW PSV (REFER TO NOTES 5, 6 & 8 FOR SHOULDER & MEDIAN TREATMENTS)
	SMA HIGH PSV
	CHIP SEAL LOW PSV
	PMB OGPA HS LOW PSV
	PMB OGPA LOW PSV FOR OGPA DAMMING MITIGATION
	OGPA PMB LOW PSV

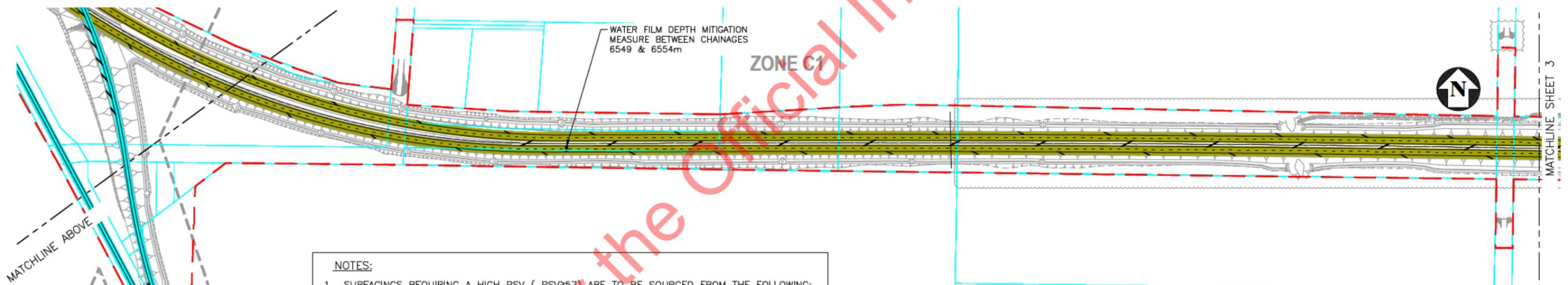
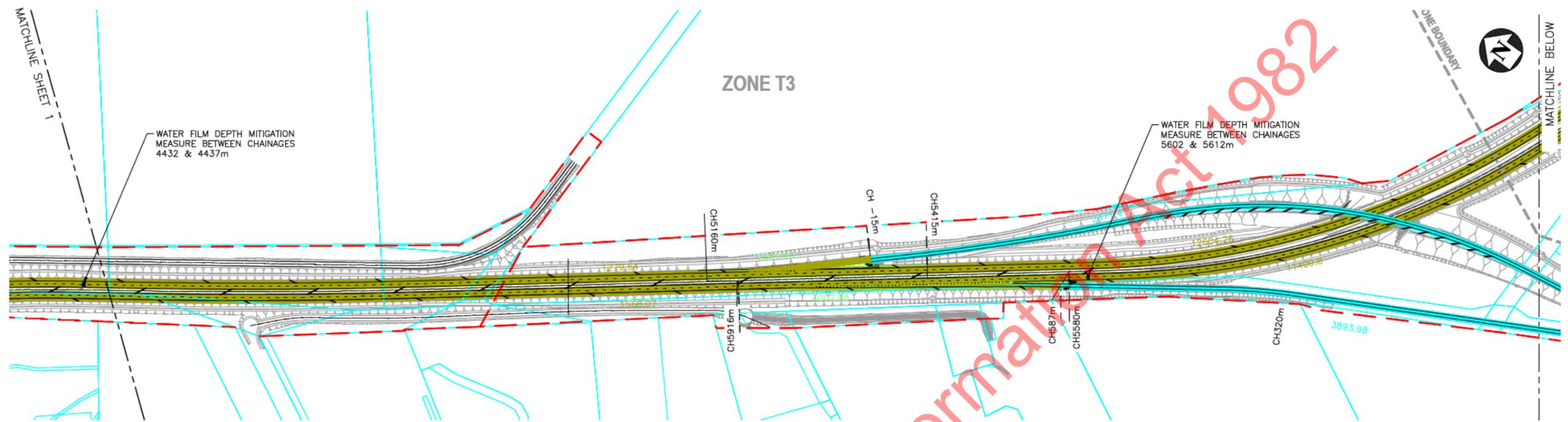
- NOTES:**
- SURFACINGS REQUIRING A HIGH PSV ( PSV>57) ARE TO BE SOURCED FROM THE FOLLOWING:
    - WAIOTAHU
    - WAIDEKA RIVER
    - GLENBROOK SMELTER SLAG
  - SURFACINGS REQUIRING A LOW PSV (PSV<57) SHALL HAVE A 12-MONTH CERTIFIED PSV RANGE BETWEEN 52-54 AND AN ACCEPTABLE TRACK RECORD ON THE STATE HIGHWAY NETWORK.
  - SURFACINGS FOR THE MEDIAN AND SHOULDER AREAS ARE TO HAVE A PSV OF NO LESS THAN 50.
  - FIRST COAT SEALS & MEMBRANE SEALS UNDER OGPA AND SMA SURFACING ARE TO HAVE A PSV NO LESS THAN 50.
  - THE MEDIAN AREAS FOR THE MAIN ALIGNMENT ARE TO BE CHIPSEALED EXCEPT BETWEEN CHAINAGES 986 & 1840m. REFER TYPICAL CROSS SECTIONS FOR DETAILS.
  - THE SHOULDER AREAS ARE TO BE CHIPSEALED. REFER TYPICAL CROSS SECTIONS FOR DETAILS.
  - REFER TO PLANS C-115-035 & C-115-042 FOR FURTHER DETAILS ON WATER FILM DEPTH MITIGATION MEASURES.
  - REFER TO PLAN C-115-046 FOR FURTHER DETAILS ON OGPA DAMMING MITIGATION MEASURES.

Rev	Revision Description	Drawn	Designed	Checked	Approved	Date
02	AS-BUILT AMENDED					15.06.17
01	AS-BUILT AMENDED					13.06.17
AB	AS-BUILT					02.06.16

    	Title Block Title: WAIKATO EXPRESSWAY: TAMAHERE TO CAMBRIDGE SECTION Drawing Number: C-115-111 Sheet: SHEET 1 OF 5 Status: AS-BUILT Revision: 02
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Approved for Issue	S 9(2)(a)
WAIKATO EXPRESSWAY: TAMAHERE TO CAMBRIDGE SECTION	
SURFACING PLAN EXPRESSWAY AND RAMPS SHEET 1 OF 5	
Status	AS-BUILT
Drawing Number	C-115-111
Revision	02

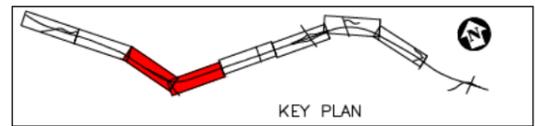
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- NOTES:**
- SURFACINGS REQUIRING A HIGH PSV (PSV>57) ARE TO BE SOURCED FROM THE FOLLOWING:
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    - WAIOEKA RIVER
    - GLENBROOK SMELTER SLAG
  - SURFACINGS REQUIRING A LOW PSV (PSV<57) SHALL HAVE A 12-MONTH CERTIFIED PSV RANGE BETWEEN 52-54 AND AN ACCEPTABLE TRACK RECORD ON THE STATE HIGHWAY NETWORK.
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  - THE MEDIAN AREAS FOR THE MAIN ALIGNMENT ARE TO BE CHIPSEALED EXCEPT BETWEEN CHAINAGES 986 & 1840m. REFER TYPICAL CROSS SECTIONS FOR DETAILS.
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  - REFER TO PLANS C-115-035 & C-115-042 FOR FURTHER DETAILS ON WATER FILM DEPTH MITIGATION MEASURES.
  - REFER TO PLAN C-115-046 FOR FURTHER DETAILS ON OGPA DAMMING MITIGATION MEASURES.

**LEGEND**

- EMOGPA LOW PSV (REFER TO NOTES 5, 6 & 8 FOR SHOULDER & MEDIAN TREATMENTS)
- PMB OGPA LOW PSV (REFER TO NOTES 5, 6 & 8 FOR SHOULDER & MEDIAN TREATMENTS)
- PMB OGPA HS LOW PSV (REFER TO NOTES 5, 6 & 8 FOR SHOULDER & MEDIAN TREATMENTS)
- SMA HIGH PSV
- CHIP SEAL LOW PSV
- PMB OGPA HS LOW PSV
- PMB OGPA LOW PSV FOR OGPA DAMMING MITIGATION
- OGPA PMB LOW PSV



Approved for Issue  
§ 9(2)(a)

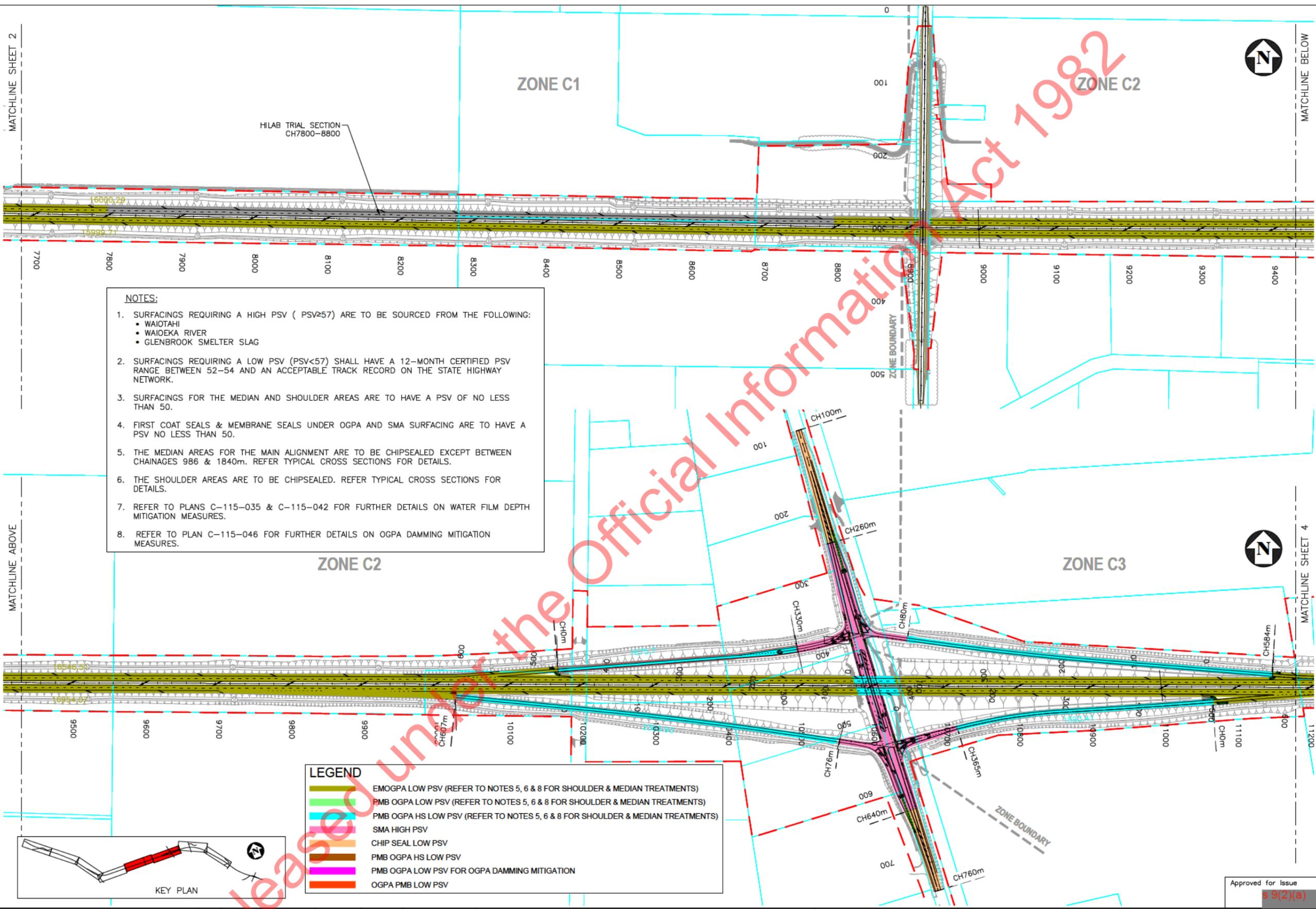
02	AS-BUILT AMENDED	§ 9(2)(a)	§ 9(2)(a)	15.06.17	1:2500 A1			
01	AS-BUILT AMENDED			13.06.17	1:5000 A3			
AB	AS-BUILT			02.06.16	Original Size			
Rev	Revision Description	Drawn	Checked	Designed	Design Checked	Approved	Date	Original Size

**WAIKATO EXPRESSWAY: TAMAHERE TO CAMBRIDGE SECTION**

**SURFACING PLAN  
EXPRESSWAY AND RAMPS  
SHEET 2 OF 5**

Status	<b>AS-BUILT</b>
Drawing Number	<b>C-115-112</b>
Revision	<b>02</b>

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- NOTES:**
- SURFACINGS REQUIRING A HIGH PSV (PSV≥57) ARE TO BE SOURCED FROM THE FOLLOWING:
    - WAIOTAHĪ
    - WAIOEKA RIVER
    - GLENBROOK SMELTER SLAG
  - SURFACINGS REQUIRING A LOW PSV (PSV<57) SHALL HAVE A 12-MONTH CERTIFIED PSV RANGE BETWEEN 52-54 AND AN ACCEPTABLE TRACK RECORD ON THE STATE HIGHWAY NETWORK.
  - SURFACINGS FOR THE MEDIAN AND SHOULDER AREAS ARE TO HAVE A PSV OF NO LESS THAN 50.
  - FIRST COAT SEALS & MEMBRANE SEALS UNDER OGPA AND SMA SURFACING ARE TO HAVE A PSV NO LESS THAN 50.
  - THE MEDIAN AREAS FOR THE MAIN ALIGNMENT ARE TO BE CHIPSEALED EXCEPT BETWEEN CHAINAGES 986 & 1840m. REFER TYPICAL CROSS SECTIONS FOR DETAILS.
  - THE SHOULDER AREAS ARE TO BE CHIPSEALED. REFER TYPICAL CROSS SECTIONS FOR DETAILS.
  - REFER TO PLANS C-115-035 & C-115-042 FOR FURTHER DETAILS ON WATER FILM DEPTH MITIGATION MEASURES.
  - REFER TO PLAN C-115-046 FOR FURTHER DETAILS ON OGPA DAMMING MITIGATION MEASURES.

**LEGEND**

	EMOGPA LOW PSV (REFER TO NOTES 5, 6 & 8 FOR SHOULDER & MEDIAN TREATMENTS)
	PMB OGPA LOW PSV (REFER TO NOTES 5, 6 & 8 FOR SHOULDER & MEDIAN TREATMENTS)
	PMB OGPA HS LOW PSV (REFER TO NOTES 5, 6 & 8 FOR SHOULDER & MEDIAN TREATMENTS)
	SMA HIGH PSV
	CHIP SEAL LOW PSV
	PMB OGPA HS LOW PSV
	PMB OGPA LOW PSV FOR OGPA DAMMING MITIGATION
	OGPA PMB LOW PSV

02	AS-BUILT AMENDED	15.06.17	1:2500 A1
01	AS-BUILT AMENDED	13.06.17	1:5000 A3
AB	AS-BUILT	02.06.16	Original Size

Rev: Revision Description  
 Drawn: [Signature] Drawing Checked: [Signature] Designed: [Signature] Design Checked: [Signature] Approved: [Signature] Date: [Signature]

Tob 113

Scales: 1:2500 A1, 1:5000 A3

Original Size A1

**WAIKATO EXPRESSWAY: TAMAHERE TO CAMBRIDGE SECTION**

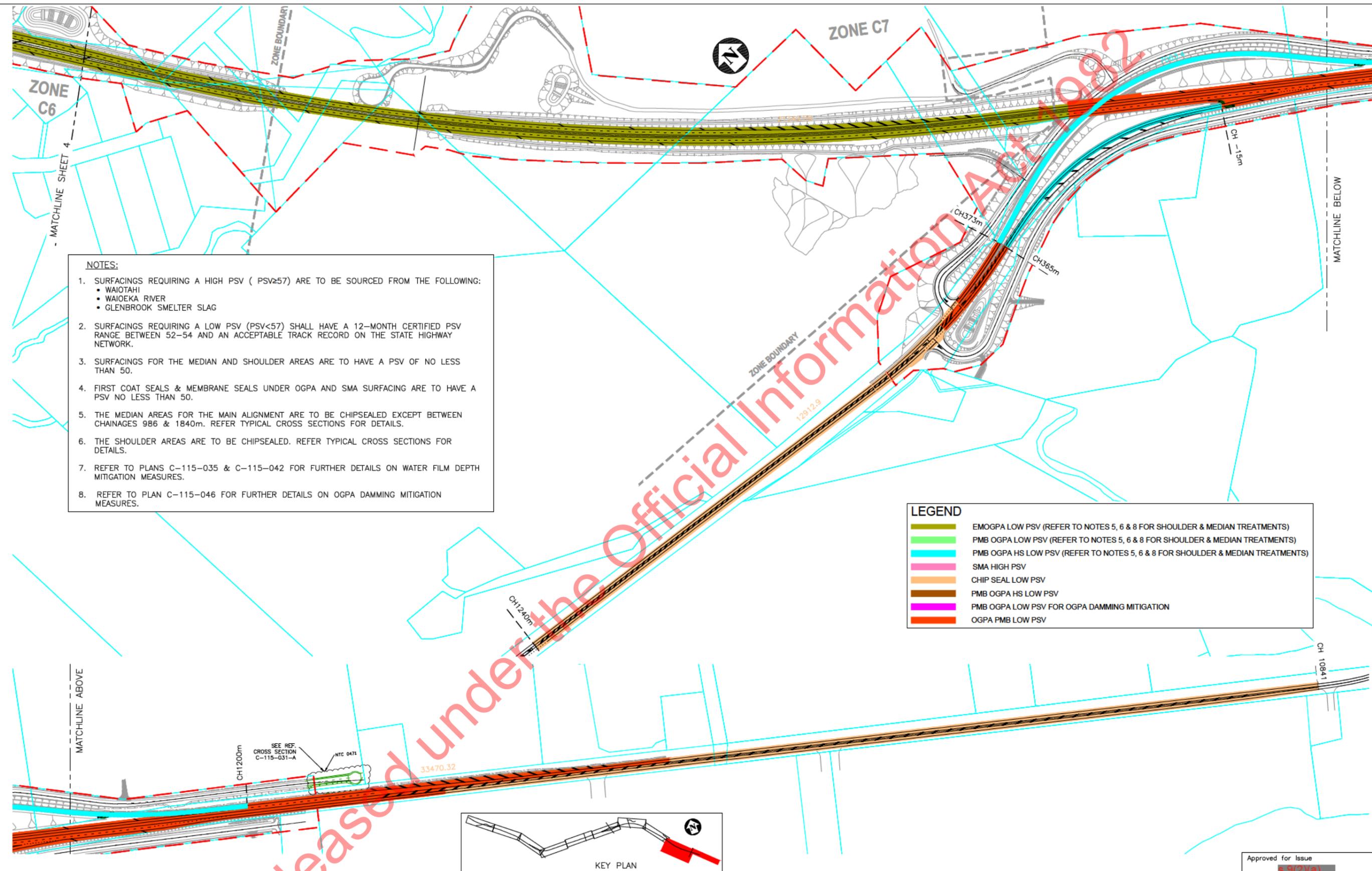
**SURFACING PLAN**  
**EXPRESSWAY AND RAMPS**  
**SHEET 3 OF 5**

Status: **AS-BUILT**

Drawing Number: **C-115-113** Revision: **02**



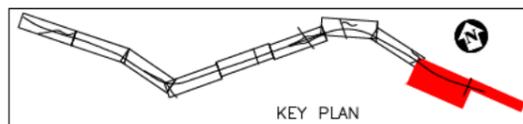
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- NOTES:**
- SURFACINGS REQUIRING A HIGH PSV (PSV $\geq$ 57) ARE TO BE SOURCED FROM THE FOLLOWING:
    - WAIOTAHĪ
    - WAIOEKA RIVER
    - GLENBROOK SMELTER SLAG
  - SURFACINGS REQUIRING A LOW PSV (PSV $<$ 57) SHALL HAVE A 12-MONTH CERTIFIED PSV RANGE BETWEEN 52-54 AND AN ACCEPTABLE TRACK RECORD ON THE STATE HIGHWAY NETWORK.
  - SURFACINGS FOR THE MEDIAN AND SHOULDER AREAS ARE TO HAVE A PSV OF NO LESS THAN 50.
  - FIRST COAT SEALS & MEMBRANE SEALS UNDER OGPA AND SMA SURFACING ARE TO HAVE A PSV NO LESS THAN 50.
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  - THE SHOULDER AREAS ARE TO BE CHIPSEALED. REFER TYPICAL CROSS SECTIONS FOR DETAILS.
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  - REFER TO PLAN C-115-046 FOR FURTHER DETAILS ON OGPA DAMMING MITIGATION MEASURES.

**LEGEND**

	EMOGPA LOW PSV (REFER TO NOTES 5, 6 & 8 FOR SHOULDER & MEDIAN TREATMENTS)
	PMB OGPA LOW PSV (REFER TO NOTES 5, 6 & 8 FOR SHOULDER & MEDIAN TREATMENTS)
	PMB OGPA HS LOW PSV (REFER TO NOTES 5, 6 & 8 FOR SHOULDER & MEDIAN TREATMENTS)
	SMA HIGH PSV
	CHIP SEAL LOW PSV
	PMB OGPA HS LOW PSV
	PMB OGPA LOW PSV FOR OGPA DAMMING MITIGATION
	OGPA PMB LOW PSV



Approved for Issue  
s 9(2)(a)

Rev	Revision Description	Drawn	Checked	Designed	Design Checked	Approved	Date
02	AS-BUILT AMENDED						15.06.17
01	AS-BUILT AMENDED						13.06.17
AB	AS-BUILT						02.06.16

Tab 115  
Scales  
1:2500 A1  
1:5000 A3  
Original Size A1

<b>WAIKATO EXPRESSWAY: TAMAHERE TO CAMBRIDGE SECTION</b>	
<b>SURFACING PLAN EXPRESSWAY AND RAMPS SHEET 5 OF 5</b>	
Status	<b>AS-BUILT</b>
Drawing Number	<b>C-115-115</b>
Revision	<b>02</b>