

**From:** Official Information  
**Sent:** Friday, 23 September 2022 9:51 am  
**To:** 7(2)(a)  
**Cc:** Official Information  
**Subject:** Final Response - LGOIMA 279792 - 7(2)(a) - the roundabout on the corner of Thomas Road, Horsham Downs Road and Hukanui Roads  
**Attachments:** Appendix 1-Instruction for service PSP000010662021 - HCC 202122 Pedestrian Facilities Upgrade.PDF; Appendix 2- 202122 Thomas Road RAB - Horsham Downs Thomas Road Upgrade.PDF  
**Importance:** High

Kia Ora,

I refer to your **information request below**, Hamilton City Council is able to provide the following response.

**Your Request:**

I would like to obtain copies of the Engineering Design Brief, the signed plans of the solution, as well as the budgetary costing and actual costing for the safety enhancement made in 2022 to the roundabout on the corner of Thomas Road, Horsham Downs Road and Hukanui Roads.

**Our Response:**

- a) Engineering design brief – please see Appendix one – Instruction for Service
- b) Signed design and construction drawing – please see Appendix two – Hamilton City Council Road Crossing Safety Upgrade.
- c) The budget for the Horsham Downs/ Thomas Road roundabout safety upgrade was \$1,400,000.
- d) Funding of the project is shared between Hamilton City Council (49%) and Waka Kotahi NZ Transport Ltd (51%). The actual cost to 31 July 2022 for the Horsham Downs/ Thomas Road roundabout safety upgrade is \$1,367,571. The project is expected to be delivered within budget and final costs will be determined by the end of the calendar year as the project is still in progress, however is anticipated to be within budget.

We have had to withhold some information from the attachment Appendix 1 which we are releasing in response to your request. We have withheld information on the basis that:

- it is necessary to protect the Privacy of natural persons per [s 7\(2\)\(a\) LGOIMA](#)
- some information was outside of the scope of your LGOIMA request and withheld per [s 16 of LGOIMA](#).

You have the right to seek an investigation and review by the Ombudsman of this decision. Information about how to make a complaint is available at [www.ombudsman.parliament.nz](http://www.ombudsman.parliament.nz) or freephone 0800 802 602.

Kind Regards,

**Laura** | Official Information Coordinator  
Governance & Assurance Team | People and Organisational Performance  
Email: [officialinformation@hcc.govt.nz](mailto:officialinformation@hcc.govt.nz)



**Hamilton  
City Council**  
Te kaunihera o Kirikiriroa

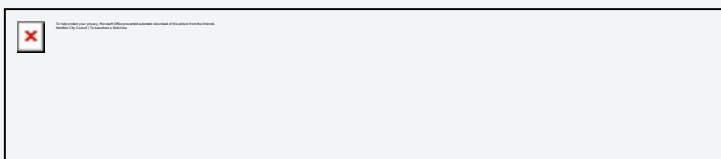
Hamilton City Council | Private Bag 3010 | Hamilton 3240 | [Hamilton City Council](https://www.hamiltoncity.govt.nz)

**From:** [noreply@hamilton.govt.nz](mailto:noreply@hamilton.govt.nz) <[noreply@hamilton.govt.nz](mailto:noreply@hamilton.govt.nz)>

**Sent:** Monday, 29 August 2022 10:16 am

**To:** official information <[officialinformation@hcc.govt.nz](mailto:officialinformation@hcc.govt.nz)>

**Subject:** [Mass email/Possible SPAM] OIA Request - HCC-OIA-220829-VGN10



## We've received a request for you.

This request was received on 29 August 2022 @ 10:16AM.

Here's your reference number and the request details:

### UUID

HCC-OIA-220829-VGN10

### Name

7(2)(a)

### Email

7(2)(a)

### Phone number

7(2)(a)

### Detailed description of request

I would like to obtain copies of the Engineering Design Brief, the signed of plans of the solution, as well as the budgetary costing and actual costing for the safety enhancement made in 2022 to the roundabout on the corner of Thomas Road, Horsham Downs Road and Hukanui Roads

### Organisation

### Attachments

### Created

29 August 2022 @ 10:16AM

If you have any questions in the meantime, feel free to call us on [\(07\) 838 6699](tel:078386699) or [email our customer service team](#).

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Hamilton City Council  
260 Anglesea Street  
Hamilton 3204

## FORM OF INSTRUCTION FOR SERVICE

**Instruction for Service: Reference / Purchase Order Number: PSP00001066/2021**

This document should only be considered an Instruction for Service (IFS) once it has been signed and accepted by both the Client and Consultant's duly authorised signatory and sent back to the consulting company in PDF format.

The agreement is entered into under the Framework Agreement (the "Agreement") dated 1 August 2019 between **Waikato Local Authority Shared Services** and *Tonkin & Taylor Ltd* and incorporates the terms and conditions set out in Schedule 2 of the Agreement.

IFS Description/Name: HCC 2021/22 Pedestrian Facilities Upgrade:	
Group: Infrastructure Operations	Unit: City Transportation
Site Location : 1) Thomas Road / Hukanui Road Roundabout <div style="background-color: black; width: 150px; height: 15px; margin: 5px 0;"></div> <div style="background-color: black; width: 150px; height: 15px; margin: 5px 0;"></div> <div style="background-color: black; width: 150px; height: 15px; margin: 5px 0;"></div>	
Client Rep: <div style="background-color: black; width: 100px; height: 15px;"></div> (Programme Delivery Engineer)	Consultant Rep: <div style="background-color: black; width: 100px; height: 15px;"></div> (Principal Transport Planner)
WLASS PSP Discipline: Roading and Transportation	WLASS PSP Skill: Roading design

### A. Project Outcomes

The improvement of existing pedestrian crossing facilities with safe system at the forefront.

### B. Services to be provided

Services to be provided as per deliverables.

In order to prepare these deliverables, up to 2x site visits will be undertaken (general inspection, check measurements, evening visit for Lux check).

T+T will also perform background data checks for the sites (CAS history, services, etc.) and report findings to HCC through progress meetings.

### C. Commencement and Completion Dates

Commencement 16/08/2021

Completion 17/12/2021

### D. Deliverables

For *each* of the three crossing sites:

Drawings for each of the three stages:

- Preliminary
- Detailed Design
- For Construction

Drawings to include:

- Cover
- Service Plan
- General arrangement (covering most of the design elements where possible)
- Signs and markings (if otherwise obscured on the GA)

- Drainage (If required)
- Consultation plan

Schedule of Quantities as per HCC template and method of measurement (to be provided by HCC).

A design memo may be provided to back up the design decisions, however any intended significant departure from the HCC proposed design will be discussed with HCC prior to carrying out the departure.

Response to 2x Road Safety Audits.

Lux check on the existing street lighting (Notify HCC, if required design will be done by others).

Limited survey work to confirm road widths and drainage levels etc.

Two-weekly progress meetings.

[REDACTED]

#### E. Key Performance Indicators (update and include others as required)

Include relevant performance indicators for the Instruction for Service:

- Performance with respect to time – Services completed within timeframes agreed upon by Council and Consultant unless changes are agreed by both parties. See Annex 1 for initial programme
- Performance with respect to cost – Service delivered within agreed budget, refer to Section F, unless agreed by both parties
- Performance with respect to quality – Services undertaken to a high standard and to meet all the project outcomes as outlined in Section A
- Performance with respect to health and safety – Complies with all statutory Health and Safety requirements and instructions provided by Council
- Performance with respect to satisfaction – Deliverables meet expectations of key Council staff

#### F. Fee

Should disbursements be applicable, Consultant should separately detail each one.

Invoices related to this IFS must note the contract identifier and Purchase Order.

The following table contains the proposed fee for each site.

We propose these to be Lump Sum:

	Project portion	Proposed fee (\$)
1)	Thomas Road / Hukanui Road intersection RAB	[REDACTED]
■	[REDACTED]	[REDACTED]
■	[REDACTED]	[REDACTED]

We propose these to be Time and Expense (at WLASS rates):

	Project portion	Provisional Sum (\$)
■	[REDACTED]	[REDACTED]

The persons working on this project, and expected hours per person, are as follows:

Name	Position	Approximate hours
[REDACTED]	Project Director	16
[REDACTED]	Support	18

██████████	Project Manager / Senior Engineer	25
██████████████████	Design Engineer	53
██████████	Graduate Engineer	106
██████████████	CAD Draughtsperson	62

The value of this IFS is capped to ██████████. (Including a provisional sum of ██████████) Any increase to this fee value must be agreed by both parties in writing prior to any services related to the fee increase being undertaken.

**G. Work Package Insurance Levels**

Standard Framework Agreement levels shall apply.

**H. Additional Contract Documents**

Not Applicable.

**I. Other Consultants**

Not Applicable.

**J. Client Provided Information**

Any relevant templates HCC wishes us to use (e.g: SoQ template).

Any previous design or as-built drawings relevant to the site.

Access to orthorectified high resolution aerial photography and stormwater drainage data.

Topographical survey and lighting design to be provided by others through HCC where appropriate.

**ACCEPTED and SIGNED** on behalf of *Tonkin & Taylor Ltd* by:

██

Signature

Date: 27/08/21

**ACCEPTED and SIGNED** on behalf Hamilton City Council by:

████████████████

Signature

Date: 31/08/2021

Print Full Name & Title: ██████████ (Project Director)

Print Full Name & Title: ██████████ (Operations Team Leader)

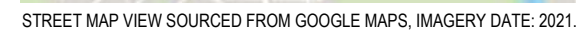
[REDACTED]

[REDACTED]

# Construction Issue

Rev Title

● 1018311.1001-002	A	SITE LOCATION AND DRAWING LIST
● 1018311.1001-120	A	THOMAS ROAD AND HORSHAM DOWNS ROAD ROUNDABOUT
● 1018311.1001-121	A	THOMAS ROAD AND HORSHAM DOWNS ROAD PLAN - SHEET 1
● 1018311.1001-122	A	THOMAS ROAD AND HORSHAM DOWN ROAD PLAN - SHEET 2
● 1018311.1001-123	A	THOMAS ROAD AND HORSHAM DOWN ROAD PLAN - SHEET 3
● 1018311.1001-124	A	THOMAS ROAD AND HORSHAM DOWNS ROAD PLAN - SHEET 4
● 1018311.1001-125	A	LINE MARKING AND SIGN PLAN
● 1018311.1001-126	A	TACTILE LAYOUT
● 1018311.1001-126.1	A	DRIVEWAY CROSS SECTIONS



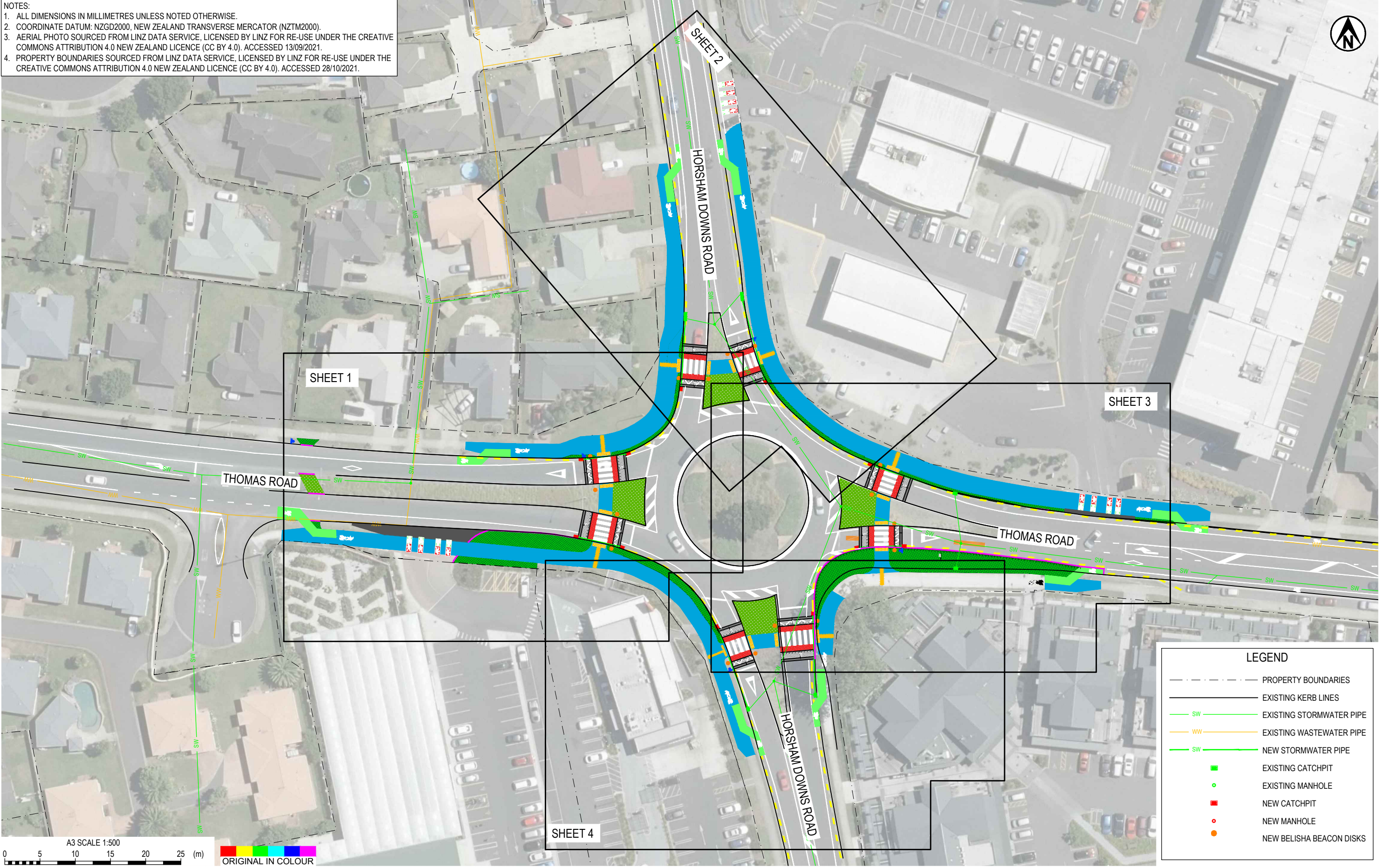
- SITE LOCATION  
SCALE 1:25000




A	CONSTRUCTION ISSUE	JOLO	MROH	02.05.22	DESIGNED	DIFO	Nov.21	DRAWING STATUS CONSTRUCTION ISSUE	CLIENT	HAMILTON CITY COUNCIL				
					DRAWN	JOLO	Nov.21		PROJECT	ROAD CROSSING SAFETY UPGRADE				
					DESIGN CHECKED	TIBR	29.04.22		TITLE	GENERAL INFORMATION				
					DRAWING CHECKED	MROH	02.05.22		SITE LOCATION AND DRAWING LIST					
					G. NICHOLSON			29.04.22	THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS SIGNED AS APPROVED					
REV	DESCRIPTION	CAD	CHK	DATE	APPROVED			DATE	SCALE (A3)	AS SHOWN	DWG No.	1018311.1001-002	REV	A



- NOTES:
1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
  2. COORDINATE DATUM: NZGD2000, NEW ZEALAND TRANSVERSE MERCATOR (NZTM2000).
  3. AERIAL PHOTO SOURCED FROM LINZ DATA SERVICE, LICENSED BY LINZ FOR RE-USE UNDER THE CREATIVE COMMONS ATTRIBUTION 4.0 NEW ZEALAND LICENCE (CC BY 4.0). ACCESSED 13/09/2021.
  4. PROPERTY BOUNDARIES SOURCED FROM LINZ DATA SERVICE, LICENSED BY LINZ FOR RE-USE UNDER THE CREATIVE COMMONS ATTRIBUTION 4.0 NEW ZEALAND LICENCE (CC BY 4.0). ACCESSED 28/10/2021.

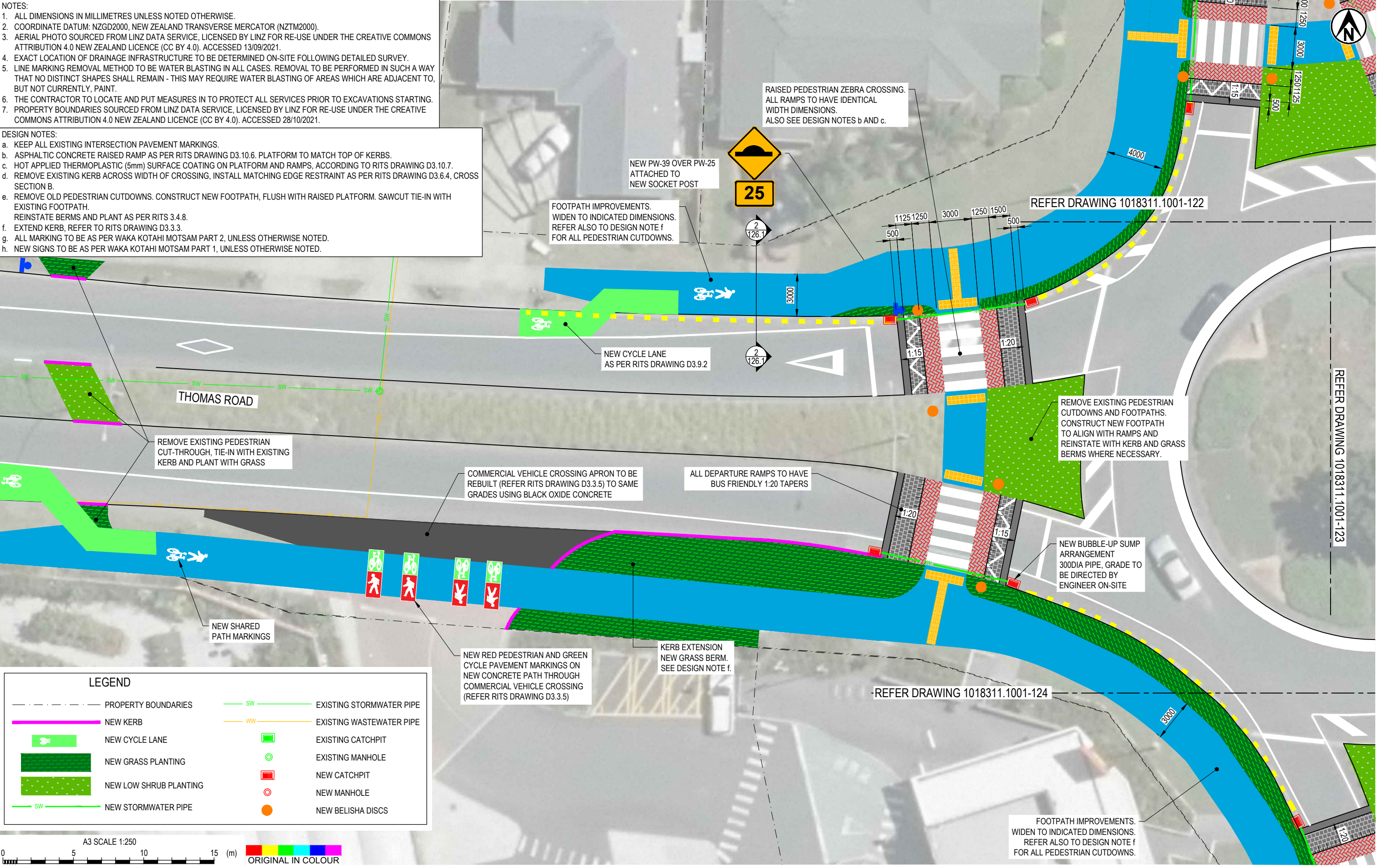


 <b>Tonkin+Taylor</b> <i>Exceptional thinking together</i> www.tonkintaylor.co.nz		A	CONSTRUCTION ISSUE	JOLO	MROH	02.05.22	DESIGNED	DIFO	Nov.21	DRAWING STATUS CONSTRUCTION ISSUE	CLIENT	HAMILTON CITY COUNCIL				
							DRAWN	JOLO	Nov.21		PROJECT	ROAD CROSSING SAFETY UPGRADE				
							DESIGN CHECKED	TIBR	29.04.22		TITLE	ROAD CROSSING DESIGN				
							DRAWING CHECKED	MROH	02.05.22		THOMAS ROAD AND HORSHAM DOWNS ROAD ROUNDABOUT					
								G. NICHOLSON			29.04.22	THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS SIGNED AS APPROVED				
REV	DESCRIPTION			CAD	CHK	DATE	APPROVED		DATE		SCALE (A3)	1:500	DWG No.	1018311.1001-120	REV	A



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1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
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  4. EXACT LOCATION OF DRAINAGE INFRASTRUCTURE TO BE DETERMINED ON-SITE FOLLOWING DETAILED SURVEY.
  5. LINE MARKING REMOVAL METHOD TO BE WATER BLASTING IN ALL CASES. REMOVAL TO BE PERFORMED IN SUCH A WAY THAT NO DISTINCT SHAPES SHALL REMAIN - THIS MAY REQUIRE WATER BLASTING OF AREAS WHICH ARE ADJACENT TO, BUT NOT CURRENTLY, PAINT.
  6. THE CONTRACTOR TO LOCATE AND PUT MEASURES IN TO PROTECT ALL SERVICES PRIOR TO EXCAVATIONS STARTING.
  7. PROPERTY BOUNDARIES SOURCED FROM LINZ DATA SERVICE, LICENSED BY LINZ FOR RE-USE UNDER THE CREATIVE COMMONS ATTRIBUTION 4.0 NEW ZEALAND LICENCE (CC BY 4.0). ACCESSED 28/10/2021.

- DESIGN NOTES:
- a. KEEP ALL EXISTING INTERSECTION PAVEMENT MARKINGS.
  - b. ASPHALTIC CONCRETE RAISED RAMP AS PER RITS DRAWING D3.10.6. PLATFORM TO MATCH TOP OF KERBS.
  - c. HOT APPLIED THERMOPLASTIC (5mm) SURFACE COATING ON PLATFORM AND RAMPS, ACCORDING TO RITS DRAWING D3.10.7.
  - d. REMOVE EXISTING KERB ACROSS WIDTH OF CROSSING, INSTALL MATCHING EDGE RESTRAINT AS PER RITS DRAWING D3.6.4, CROSS SECTION B.
  - e. REMOVE OLD PEDESTRIAN CUTDOWNS. CONSTRUCT NEW FOOTPATH, FLUSH WITH RAISED PLATFORM. SAWCUT TIE-IN WITH EXISTING FOOTPATH. REINSTATE BERMS AND PLANT AS PER RITS 3.4.8.
  - f. EXTEND KERB, REFER TO RITS DRAWING D3.3.3.
  - g. ALL MARKING TO BE AS PER WAKA KOTAHİ MOTSAM PART 2, UNLESS OTHERWISE NOTED.
  - h. NEW SIGNS TO BE AS PER WAKA KOTAHİ MOTSAM PART 1, UNLESS OTHERWISE NOTED.



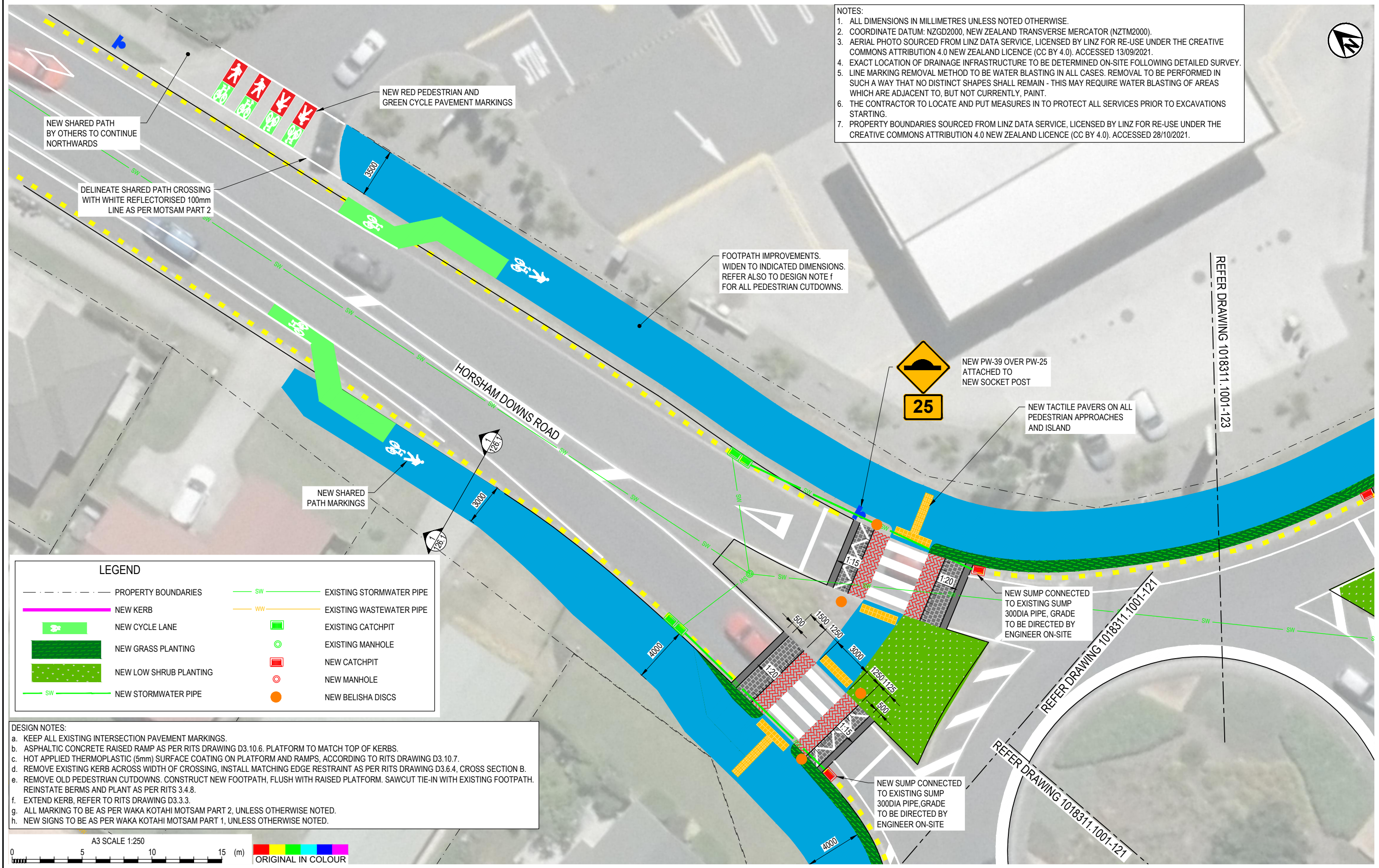
**LEGEND**

---	PROPERTY BOUNDARIES	SW	EXISTING STORMWATER PIPE
---	NEW KERB	WW	EXISTING WASTEWATER PIPE
---	NEW CYCLE LANE	---	EXISTING CATCHPIT
---	NEW GRASS PLANTING	---	EXISTING MANHOLE
---	NEW LOW SHRUB PLANTING	---	NEW CATCHPIT
---	NEW STORMWATER PIPE	---	NEW MANHOLE
---		---	NEW BELISHA DISCS



A	CONSTRUCTION ISSUE	JOLO	MROH	02.05.22	DESIGNED DRAWN DESIGN CHECKED DRAWING CHECKED	DIFO JOLO TIBR MROH	Nov.21 Nov.21 29.04.22 02.05.22	DRAWING STATUS CONSTRUCTION ISSUE	CLIENT PROJECT	HAMILTON CITY COUNCIL ROAD CROSSING SAFETY UPGRADE				
									TITLE	ROAD CROSSING DESIGN THOMAS ROAD AND HORSHAM DOWNS ROAD PLAN - SHEET 1				
									SCALE (A3)	1:250	DWG No.	1018311.1001-121	REV	A






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LEGEND			
	PROPERTY BOUNDARIES		EXISTING STORMWATER PIPE
	NEW KERB		EXISTING WASTEWATER PIPE
	NEW CYCLE LANE		EXISTING CATCHPIT
	NEW GRASS PLANTING		EXISTING MANHOLE
	NEW LOW SHRUB PLANTING		NEW CATCHPIT
	NEW STORMWATER PIPE		NEW MANHOLE
			NEW BELISHA DISCS

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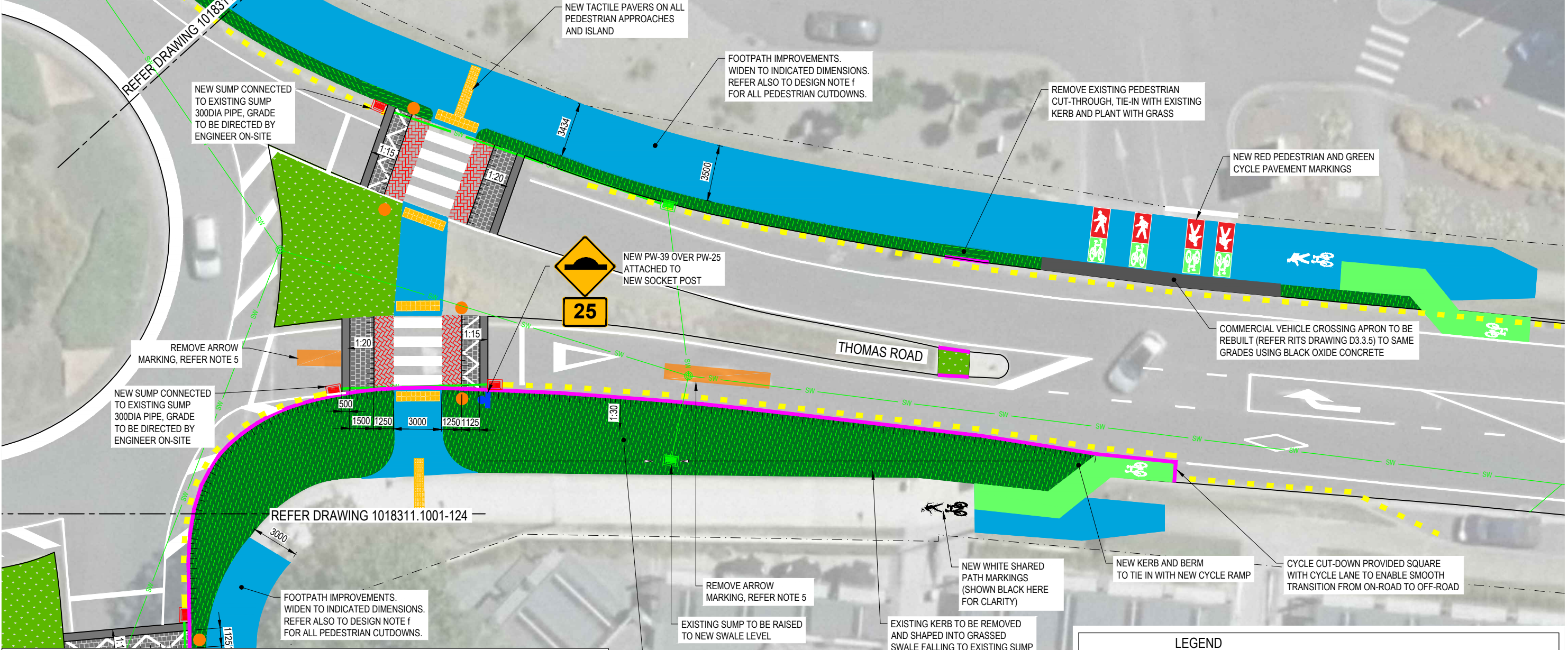


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- NOTES:
1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
  2. COORDINATE DATUM: NZGD2000, NEW ZEALAND TRANSVERSE MERCATOR (NZTM2000).
  3. AERIAL PHOTO SOURCED FROM LINZ DATA SERVICE, LICENSED BY LINZ FOR RE-USE UNDER THE CREATIVE COMMONS ATTRIBUTION 4.0 NEW ZEALAND LICENCE (CC BY 4.0). ACCESSED 13/09/2021.
  4. EXACT LOCATION OF DRAINAGE INFRASTRUCTURE TO BE DETERMINED ON-SITE FOLLOWING DETAILED SURVEY.
  5. LINE MARKING REMOVAL METHOD TO BE WATER BLASTING IN ALL CASES. REMOVAL TO BE PERFORMED IN SUCH A WAY THAT NO DISTINCT SHAPES SHALL REMAIN - THIS MAY REQUIRE WATER BLASTING OF AREAS WHICH ARE ADJACENT TO, BUT NOT CURRENTLY, PAINT.
  6. THE CONTRACTOR TO LOCATE AND PUT MEASURES IN TO PROTECT ALL SERVICES PRIOR TO EXCAVATIONS STARTING.
  7. PROPERTY BOUNDARIES SOURCED FROM LINZ DATA SERVICE, LICENSED BY LINZ FOR RE-USE UNDER THE CREATIVE COMMONS ATTRIBUTION 4.0 NEW ZEALAND LICENCE (CC BY 4.0). ACCESSED 28/10/2021.

REFER DRAWING  
1018311.1001-121



- DESIGN NOTES:
- a. KEEP ALL EXISTING INTERSECTION PAVEMENT MARKINGS.
  - b. ASPHALTIC CONCRETE RAISED RAMP AS PER RITS DRAWING D3.10.6. PLATFORM TO MATCH TOP OF KERBS.
  - c. HOT APPLIED THERMOPLASTIC (5mm) SURFACE COATING ON PLATFORM AND RAMPS, ACCORDING TO RITS DRAWING D3.10.7.
  - d. REMOVE EXISTING KERB ACROSS WIDTH OF CROSSING, INSTALL MATCHING EDGE RESTRAINT AS PER RITS DRAWING D3.6.4, CROSS SECTION B.
  - e. REMOVE OLD PEDESTRIAN CUTDOWNS. CONSTRUCT NEW FOOTPATH, FLUSH WITH RAISED PLATFORM. SAWCUT TIE-IN WITH EXISTING FOOTPATH. REINSTATE BERMS AND PLANT AS PER RITS 3.4.8.
  - f. EXTEND KERB, REFER TO RITS DRAWING D3.3.3.
  - g. ALL MARKING TO BE AS PER WAKA KOTAHİ MOTSAM PART 2, UNLESS OTHERWISE NOTED.
  - h. NEW SIGNS TO BE AS PER WAKA KOTAHİ MOTSAM PART 1, UNLESS OTHERWISE NOTED.



LEGEND			
---	PROPERTY BOUNDARIES	SW	EXISTING STORMWATER PIPE
---	NEW KERB	WW	EXISTING WASTEWATER PIPE
---	NEW CYCLE LANE	---	EXISTING CATCHPIT
---	NEW GRASS PLANTING	---	EXISTING MANHOLE
---	NEW LOW SHRUB PLANTING	---	NEW CATCHPIT
---	NEW STORMWATER PIPE	---	NEW MANHOLE
---		---	NEW BELISHA DISCS

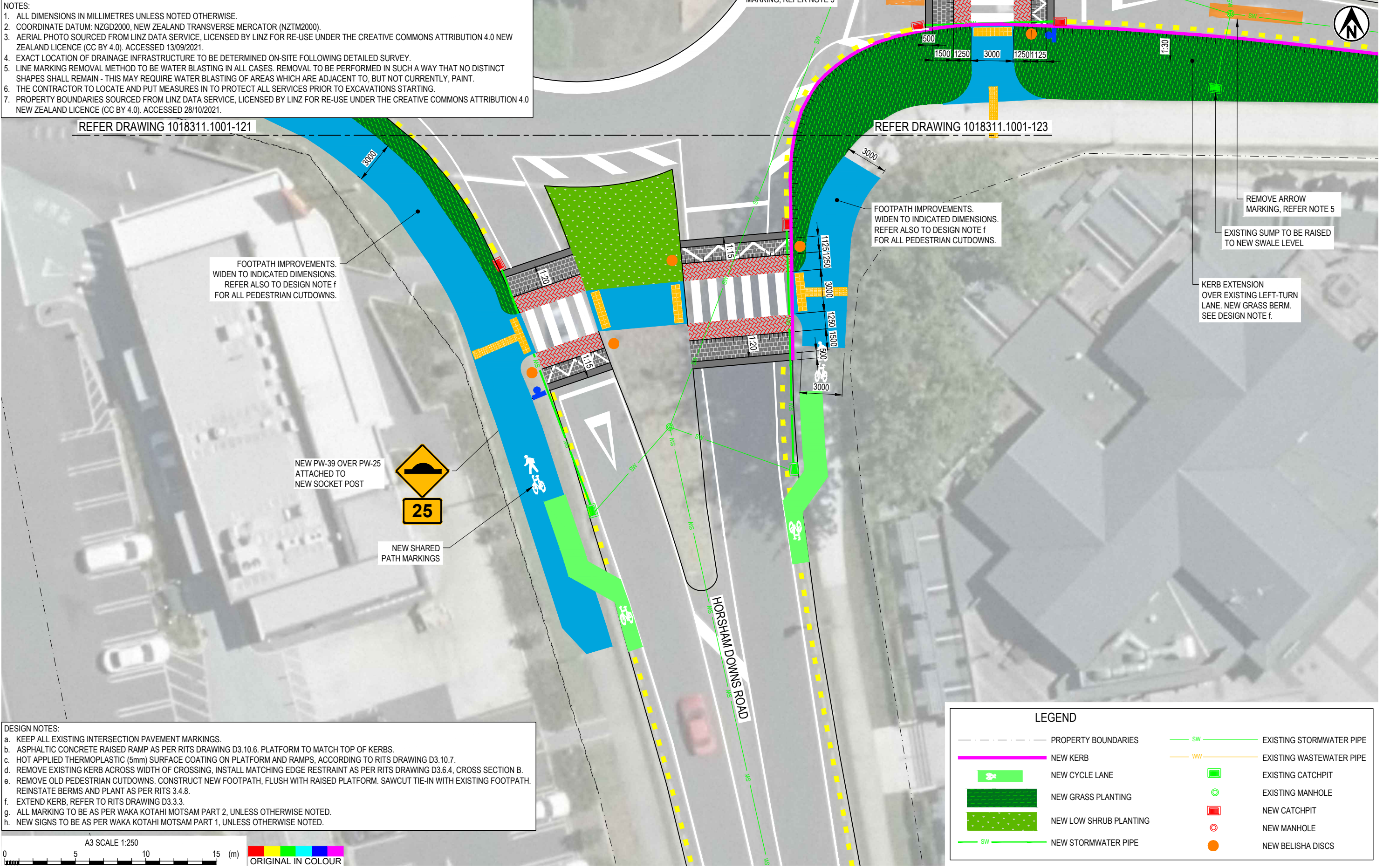


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A	CONSTRUCTION ISSUE	JOLO	MROH	02.05.22	DESIGNED DRAWN DESIGN CHECKED DRAWING CHECKED	DIFO JOLO TIBR MROH	Nov.21 Nov.21 29.04.22 02.05.22	DRAWING STATUS CONSTRUCTION ISSUE	CLIENT PROJECT TITLE THOMAS ROAD AND HORSHAM DOWN ROAD PLAN - SHEET 3	SCALE (A3) 1:250	DWG No. 1018311.1001-123	REV A
					G. NICHOLSON	29.04.22	THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS SIGNED AS APPROVED					




- NOTES:
1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
  2. COORDINATE DATUM: NZGD2000, NEW ZEALAND TRANSVERSE MERCATOR (NZTM2000).
  3. AERIAL PHOTO SOURCED FROM LINZ DATA SERVICE, LICENSED BY LINZ FOR RE-USE UNDER THE CREATIVE COMMONS ATTRIBUTION 4.0 NEW ZEALAND LICENCE (CC BY 4.0). ACCESSED 13/09/2021.
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- DESIGN NOTES:
- a. KEEP ALL EXISTING INTERSECTION PAVEMENT MARKINGS.
  - b. ASPHALTIC CONCRETE RAISED RAMP AS PER RITS DRAWING D3.10.6. PLATFORM TO MATCH TOP OF KERBS.
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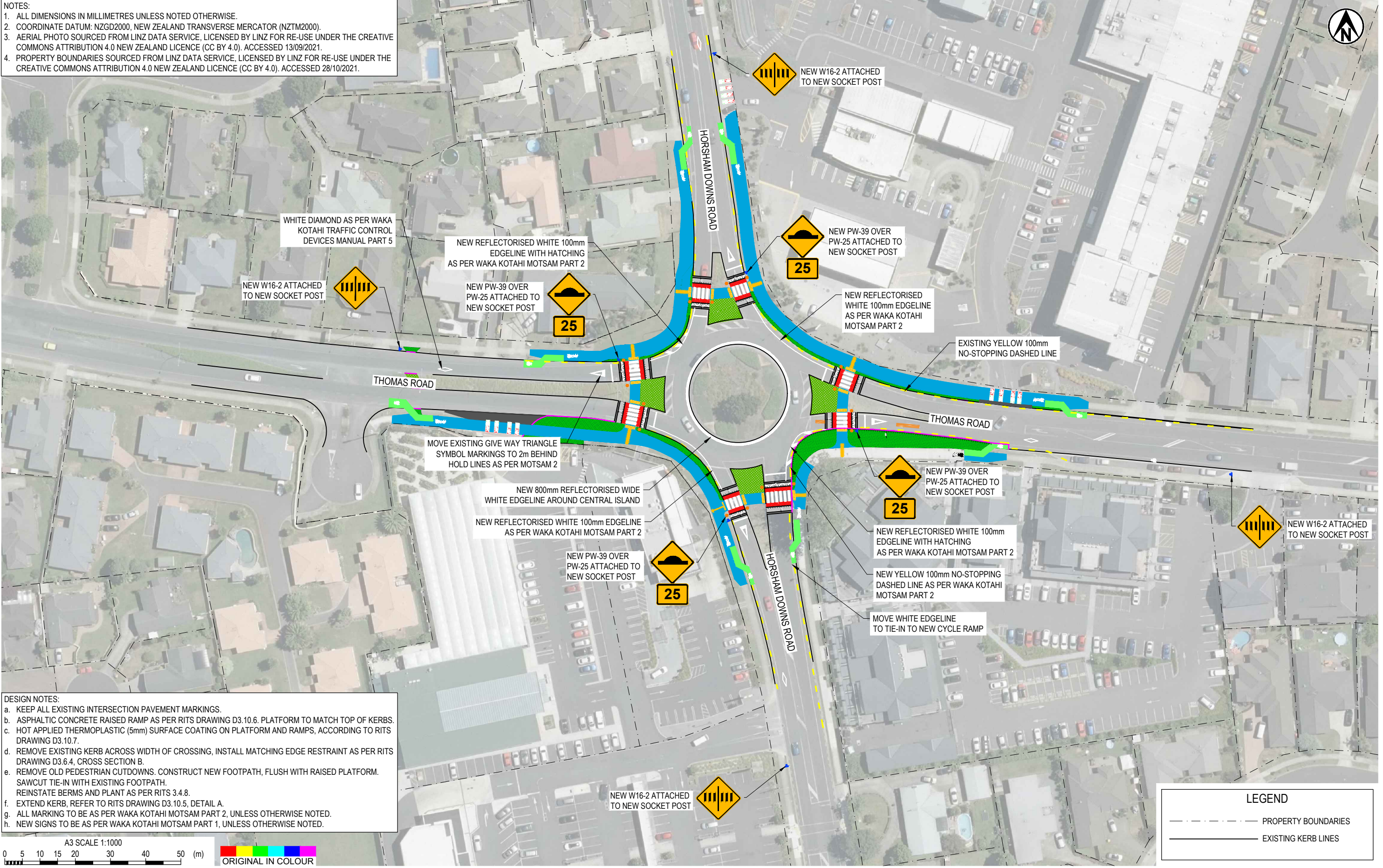


LEGEND			
	PROPERTY BOUNDARIES		EXISTING STORMWATER PIPE
	NEW KERB		EXISTING WASTEWATER PIPE
	NEW CYCLE LANE		EXISTING CATCHPIT
	NEW GRASS PLANTING		EXISTING MANHOLE
	NEW LOW SHRUB PLANTING		NEW CATCHPIT
	NEW STORMWATER PIPE		NEW MANHOLE
			NEW BELISHA DISCS

<div> <b>Tonkin+Taylor</b></div> <div>Exceptional thinking together www.tonkintaylor.co.nz</div>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												</
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- NOTES:
1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
  2. COORDINATE DATUM: NZGD2000, NEW ZEALAND TRANSVERSE MERCATOR (NZTM2000).
  3. AERIAL PHOTO SOURCED FROM LINZ DATA SERVICE, LICENSED BY LINZ FOR RE-USE UNDER THE CREATIVE COMMONS ATTRIBUTION 4.0 NEW ZEALAND LICENCE (CC BY 4.0). ACCESSED 13/09/2021.
  4. PROPERTY BOUNDARIES SOURCED FROM LINZ DATA SERVICE, LICENSED BY LINZ FOR RE-USE UNDER THE CREATIVE COMMONS ATTRIBUTION 4.0 NEW ZEALAND LICENCE (CC BY 4.0). ACCESSED 28/10/2021.



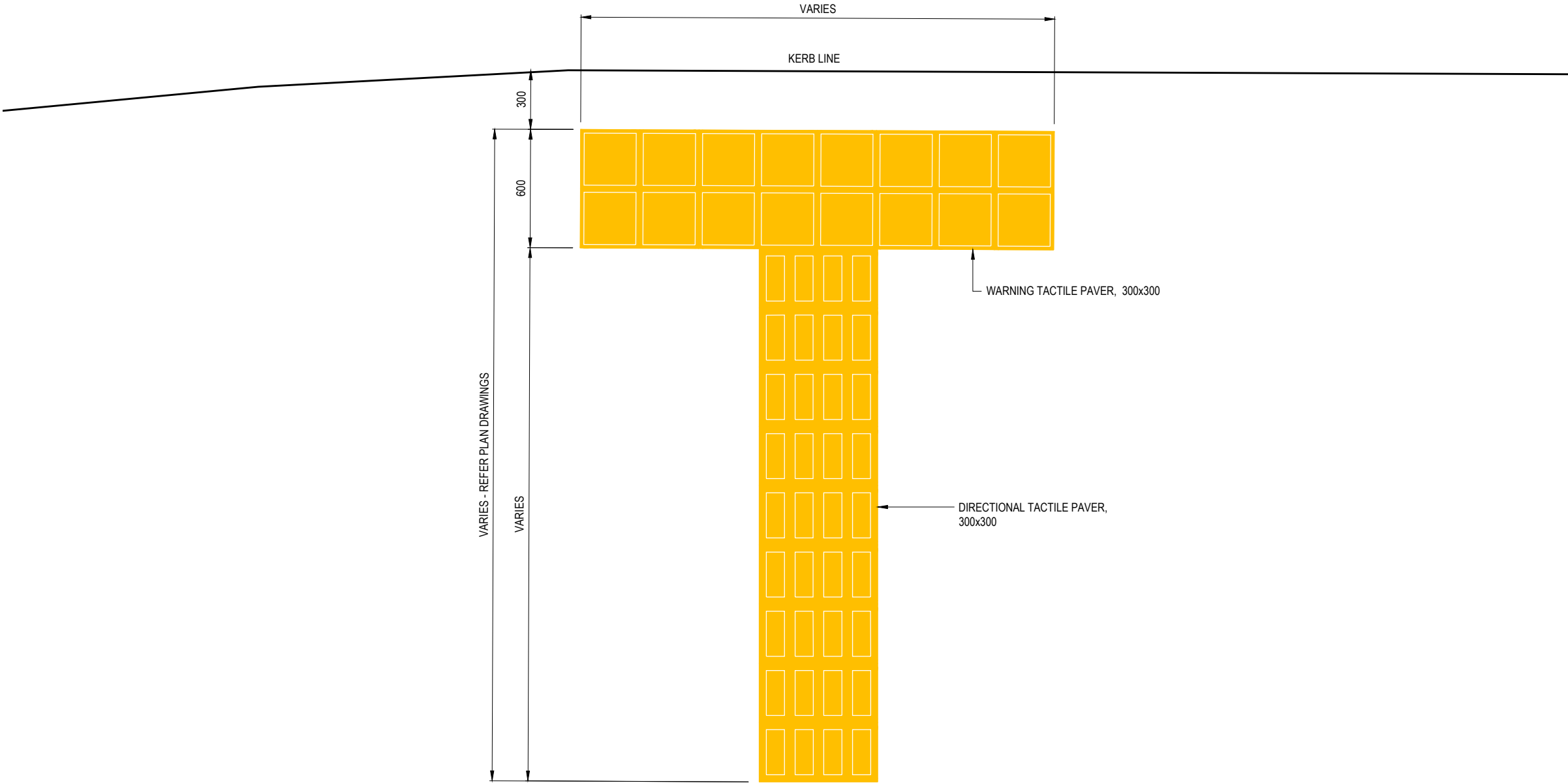
- DESIGN NOTES:
- a. KEEP ALL EXISTING INTERSECTION PAVEMENT MARKINGS.
  - b. ASPHALTIC CONCRETE RAISED RAMP AS PER RITS DRAWING D3.10.6, PLATFORM TO MATCH TOP OF KERBS.
  - c. HOT APPLIED THERMOPLASTIC (5mm) SURFACE COATING ON PLATFORM AND RAMPS, ACCORDING TO RITS DRAWING D3.10.7.
  - d. REMOVE EXISTING KERB ACROSS WIDTH OF CROSSING, INSTALL MATCHING EDGE RESTRAINT AS PER RITS DRAWING D3.6.4, CROSS SECTION B.
  - e. REMOVE OLD PEDESTRIAN CUTDOWNS. CONSTRUCT NEW FOOTPATH, FLUSH WITH RAISED PLATFORM. SAWCUT TIE-IN WITH EXISTING FOOTPATH. REINSTATE BERMS AND PLANT AS PER RITS 3.4.8.
  - f. EXTEND KERB, REFER TO RITS DRAWING D3.10.5, DETAIL A.
  - g. ALL MARKING TO BE AS PER WAKA KOTAHI MOTSAM PART 2, UNLESS OTHERWISE NOTED.
  - h. NEW SIGNS TO BE AS PER WAKA KOTAHI MOTSAM PART 1, UNLESS OTHERWISE NOTED.



A	CONSTRUCTION ISSUE	JOLO	MROH	02.05.22	DESIGNED	DIFO	Dec.21	DRAWING STATUS	CONSTRUCTION ISSUE	CLIENT	HAMILTON CITY COUNCIL					
					DRAWN	JOLO	Dec.21			PROJECT	ROAD CROSSING SAFETY UPGRADE					
REV	DESCRIPTION	CAD	CHK	DATE	DESIGN CHECKED	TIBR	29.04.22	DRAWING CHECKED	MROH	02.05.22	TITLE	THOMAS ROAD AND HORSHAM DOWNS ROAD LINE MARKING AND SIGN PLAN				
					G. NICHOLSON				29.04.22	THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS SIGNED AS APPROVED						
					APPROVED			DATE			SCALE (A3)	1:1000	DWG No.	1018311.1001-125	REV	A



DRAWING NOTES:  
1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.

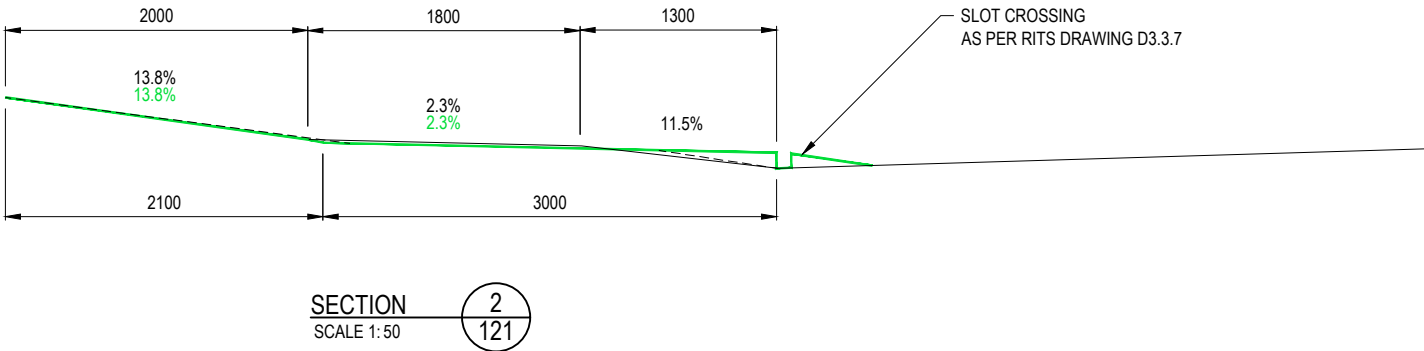
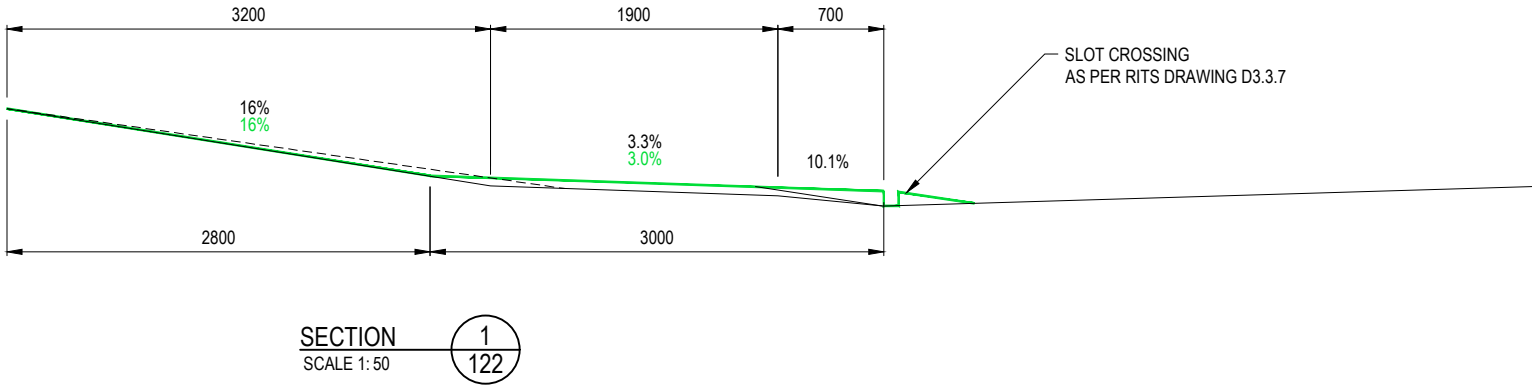


PLAN - TACTILE LAYOUT  
SCALE 1:25



A	CONSTRUCTION ISSUE	JOLO	MROH	02.05.22	DESIGNED	DIFO	Nov.21	DRAWING STATUS CONSTRUCTION ISSUE	CLIENT	HAMILTON CITY COUNCIL			
					DRAWN	JOLO	Nov.21		PROJECT	ROAD CROSSING SAFETY UPGRADE			
					DESIGN CHECKED	TIBR	29.04.22		TITLE	THOMAS ROAD AND HORSHAM DOWNS ROAD			
					DRAWING CHECKED	MROH	02.05.22	TACTILE LAYOUT					
					G. NICHOLSON		29.04.22	THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS SIGNED AS APPROVED					
REV	DESCRIPTION	CAD	CHK	DATE	APPROVED		DATE	SCALE (A3)	1:25	DWG No.	1018311.1001-126	REV	A

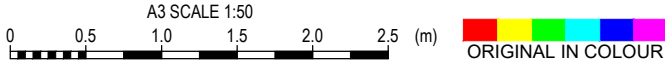
DRAWING NOTES:  
1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.



LEGEND

EXISTING VEHICLE CROSSING

NEW VEHICLE CROSSING



A	CONSTRUCTION ISSUE	JOLO	MROH	02.05.22	DESIGNED	TIBR	Apr.22	DRAWING STATUS CONSTRUCTION ISSUE	CLIENT	HAMILTON CITY COUNCIL				
					DRAWN	JOLO	Apr.22		PROJECT	ROAD CROSSING SAFETY UPGRADE				
					DESIGN CHECKED	TIBR	29.04.22		TITLE	THOMAS ROAD AND HORSHAM DOWNS ROAD				
					DRAWING CHECKED	MROH	02.05.22		DRIVEWAY CROSS SECTIONS					
					G. NICHOLSON		29.04.22	THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS SIGNED AS APPROVED						
REV	DESCRIPTION	CAD	CHK	DATE	APPROVED		DATE		SCALE (A3)	1:50	DWG No.	1018311.1001-126.1	REV	A