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**National Asset Delivery
Technical Surveys and Testing**

**Works Information for
605746-002 A1 SB Sibson-J17 resurf**

Core and DCP Survey

CONTENTS AMENDMENT SHEET

| Amend. No. | Revision No. | Amendments | Initials | Date |
|-------------------|---------------------|-------------------------------------|-----------------|-------------|
| 0 | 0 | Original version issued with tender | SH | 17/08/20 |
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LIST OF ANNEXES

Appendix 1 Supplementary Constraints

1 DESCRIPTION OF THE WORKS

1.1 Project objectives

1.1.1 The principle objective of this project is to carry out pavement investigations at A1 SB Sibson-J17 Resurfacing.

1.1.2 The specification that applies to the *works* is included in Section 6

1.2 Scope of works

1.2.1 The *works* to be provided under this contract are:

All site works to be undertaken in accordance with the requirements set out in DMRB CS 229 (previously HD 29/08). Carry out coring in lane 1 and 2 (up to 12 cores/DCP per night), as per locations shown on the investigation plans supplied by Highways England. Cores to be 150mm diameter to full depth of bound layer with site photos taken of the extracted core and core hole. Carry out DCP testing in core holes as indicated on the investigation plans supplied by Highways England, where safe to do so.

1.3 Deliverables

1.3.1 The *Contractor* is required to produce the following deliverables:

- (1) All reporting to be in accordance with the requirements set out in DMRB CS 229
- (2) Produce a core log for each core.
- (3) Produce a DCP plot and layer table for each DCP test.
- (4) Provide a brief report on the results, with interpretation.
- (5) All results to be supplied in electronic format and in accordance with DMRB CS 229

2 EXISTING INFORMATION [delete reference to drawings if none exist]

2.1.1 Schedule of cores required, which require DCP and additional information including plans detailing locations of cores, DCP test.

2.1.2 The Drawings listed below apply to this contract and are supplied in the appendices to this Works Information. Refer to the site information for details of existing site conditions including ground conditions, limitation on access, position of existing structures etc.

3 CONSTRAINTS ON HOW THE CONTRACTOR PROVIDES THE WORKS

3.1 General

- 3.1.1 The *Contractor* Provides the Works in such manner as to minimise the risk of damage or disturbance to or destruction of third party property.
- 3.1.2 The *Contractor* complies with the constraints and meets with the requirements outlined in Appendix 1.
- 3.1.3 The *Contractor* submits information detailing how the *Contractor* will provide the Works to the *Employer* prior to the *works* commencing. This information will include any lifting plans, risk assessments, method statements, the *Contractor's* staff training information and any other relevant Health and Safety requirements.

3.2 Working hours & site-specific constraints

- 3.2.1 The *Contractor's* working hours for site works shall be 8 pm to 6 am Monday to Friday. Anticipated dates on site are from 02/11/20 to 06/11/20 (dates to be confirmed upon award, please use this dates within your tender submission).
- 3.2.2 All work on main carriageway
- 3.2.3 TM to be provided by CWF

3.3 Health, Safety and Environment & Risk Management

Health and Safety requirements

- 3.3.1 In Providing the Works the *Contractor* meets the requirements of Annex 2 of the supplementary constraints in relation to health and safety duties.
- 3.3.2 When implemented, the *Contractor* shall comply with the requirements of Highways England's safety passport scheme and ensure that all his employees, and any of his subcontractor's, are registered in accordance with the implementation of the scheme.
- 3.3.3 For details of the CDM duty holders, refer to the pre-construction information, which is attached, CPP & other PCI to be provided upon successful tender.
- 3.3.4 Before commencing the construction phase of the *works*, the *Contractor* confirms to the *Employer* that adequate welfare facilities are in place. Where the facilities detailed in section 5 are not deemed adequate, the *Contractor*

provides all necessary facilities to Provide the Works and to comply with the minimum requirements set out in HSE guidance document L153.

Environmental requirements

- 3.3.5 In Providing the Works the *Contractor* meets the requirements of Annex 2 of the supplementary constraints in relation to environmental duties.

Risk Management

- 3.3.6 The *Contractor* identifies, manages and mitigates risks in accordance with the principles of ISO31000.
- 3.3.7 The *Contractor* submits a risk register, which captures all risks associated with the delivery of the *works* including those identified by the *Employer*, with his tender and maintains it for the contract period.

4 REQUIREMENTS FOR THE PROGRAMME

- 4.1.1 The *Contractor* submits programme to the *Employer* with his tender.
- 4.1.2 The *Contractor* Provides the Works taking into account the following programme constraints:
- (i) the *starting date* and *completion date* and any post site works, reporting and review period
 - (ii) The services and other things provided by *Employer* (see Section 5)
 - (iii) Results to be issued within 2 weeks of completing site work or as soon as reasonably practicable.
- 4.1.3 The programme should be in the form of an activity and time related bar chart, produced as a result of a critical path analysis.
- 4.1.4 The programme should preferably be provided in either a PDF or MS Excel format and cover the full contract period including post site activities. Activities should be clearly defined and named and the programme should detail the following:
- (i) dates and times associated with the project, including the *starting date*, *completion date* & *Contractor's* planned completion, and any other dates or times that will specifically impact the delivery of the project
 - (ii) activities associated with delivering the project
 - (iii) To provide updates and feedback on TM requirements if different to set up identified at tender.

- 4.1.5 The *Contractor* updates the programme every 3 days. The *Contractor* submits an updated programme to the *Employer* upon request.

5 SERVICES AND OTHER THINGS PROVIDED BY THE *EMPLOYER*

- 5.1.1 The following temporary traffic management will be provided by the *employer* to allow the *Contractor* to Provide the Works:

- (1) CWF to provide TM
- (2) Duration: 12 shifts (expectation of up to 8 cores per shift)
 - Shift 1-3: total closure of A1 Southbound
 - Shift 4-8: Lane 1 closure
 - Shift 9-12 Lane 2 closure

- 5.1.2 The other things that will be provided by the *Employer* are as follows:

- (1) Welfare facilities will be provided by the Principal Contractor (TM Provider)

6 SPECIFICATION FOR THE WORKS

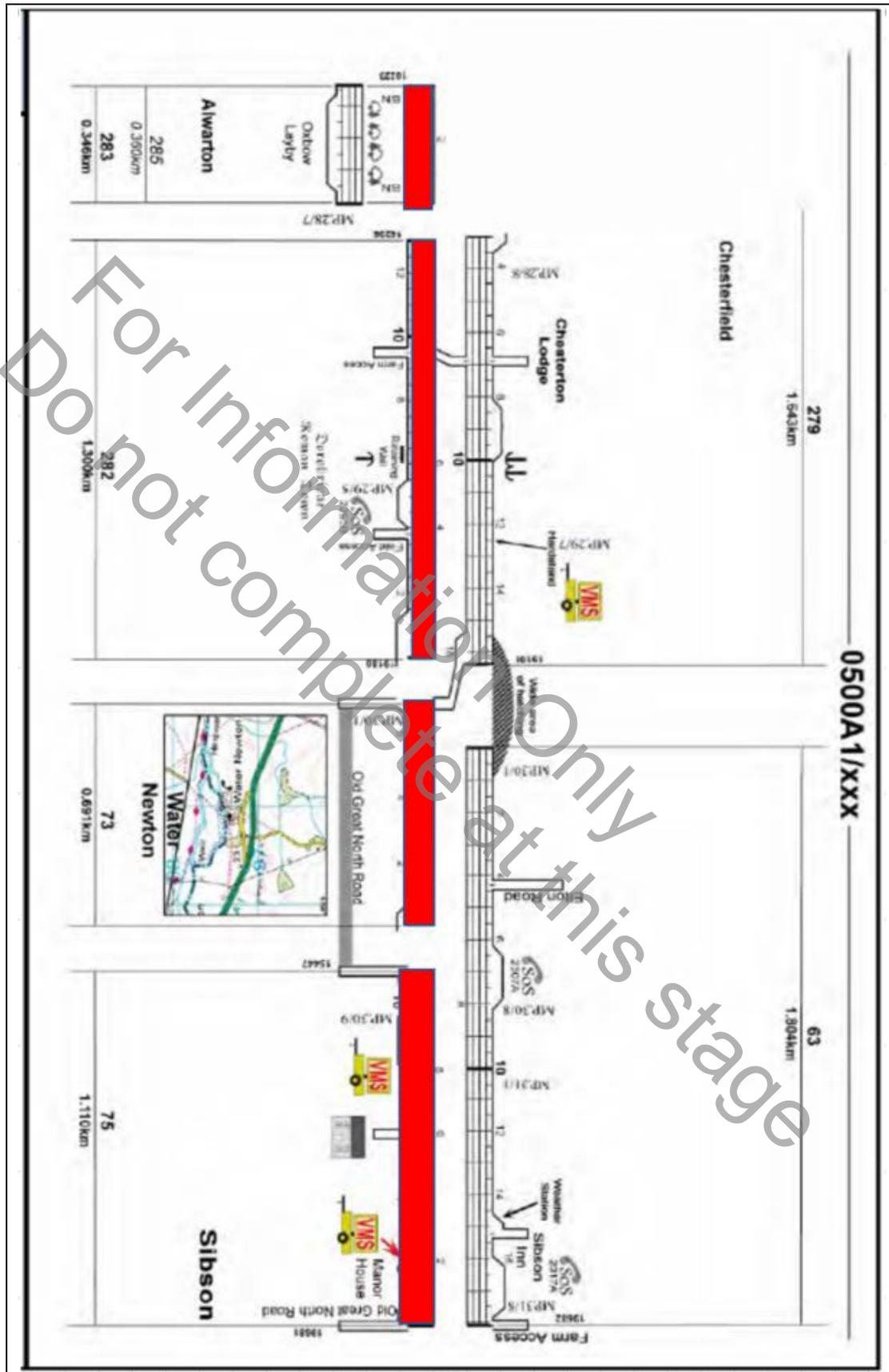
6.1.1 The *Contractor* shall undertake the works in accordance with:

6.1.2 DMRB CS 229

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Appendix 1 – Supplementary constraints

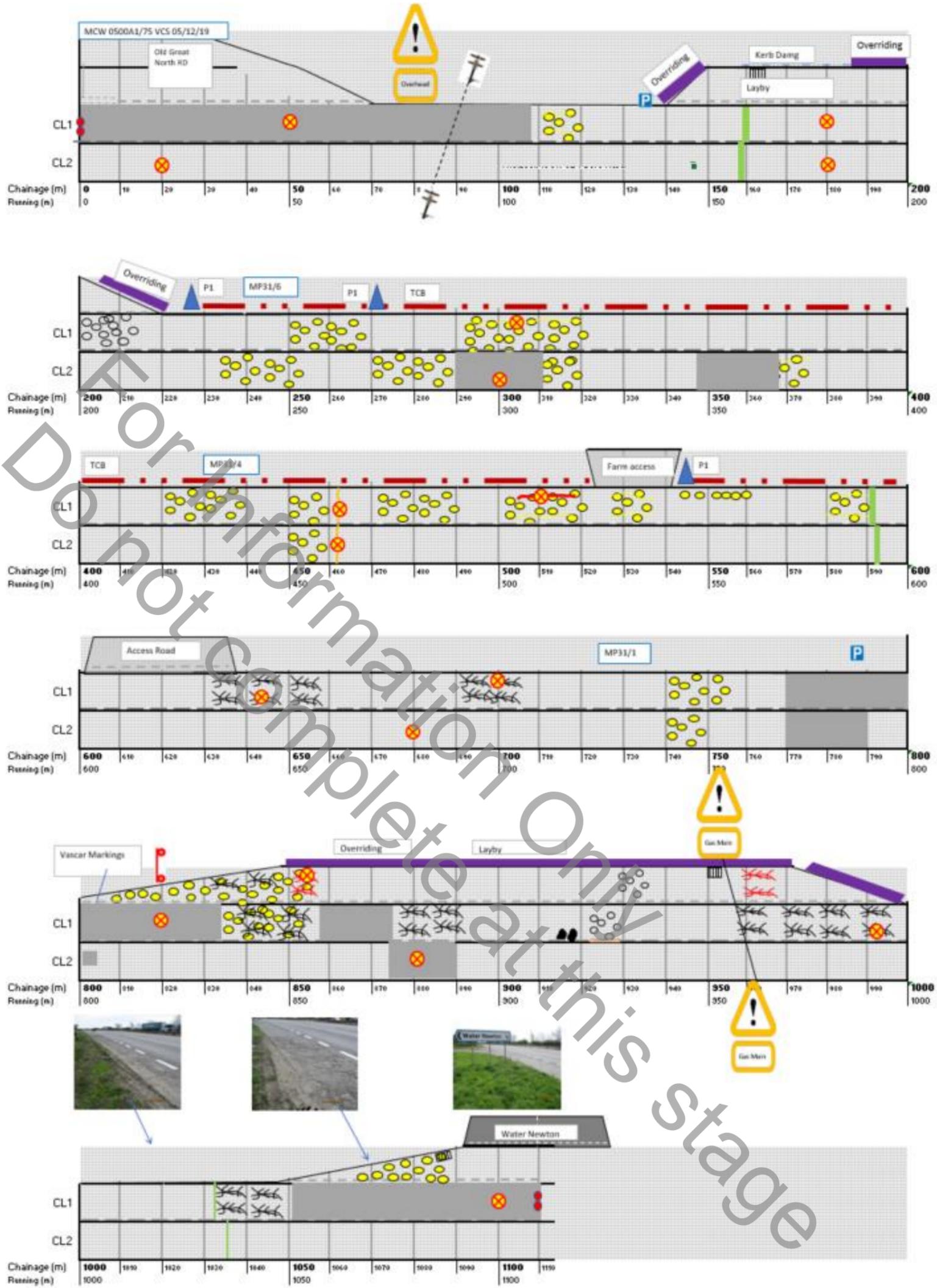
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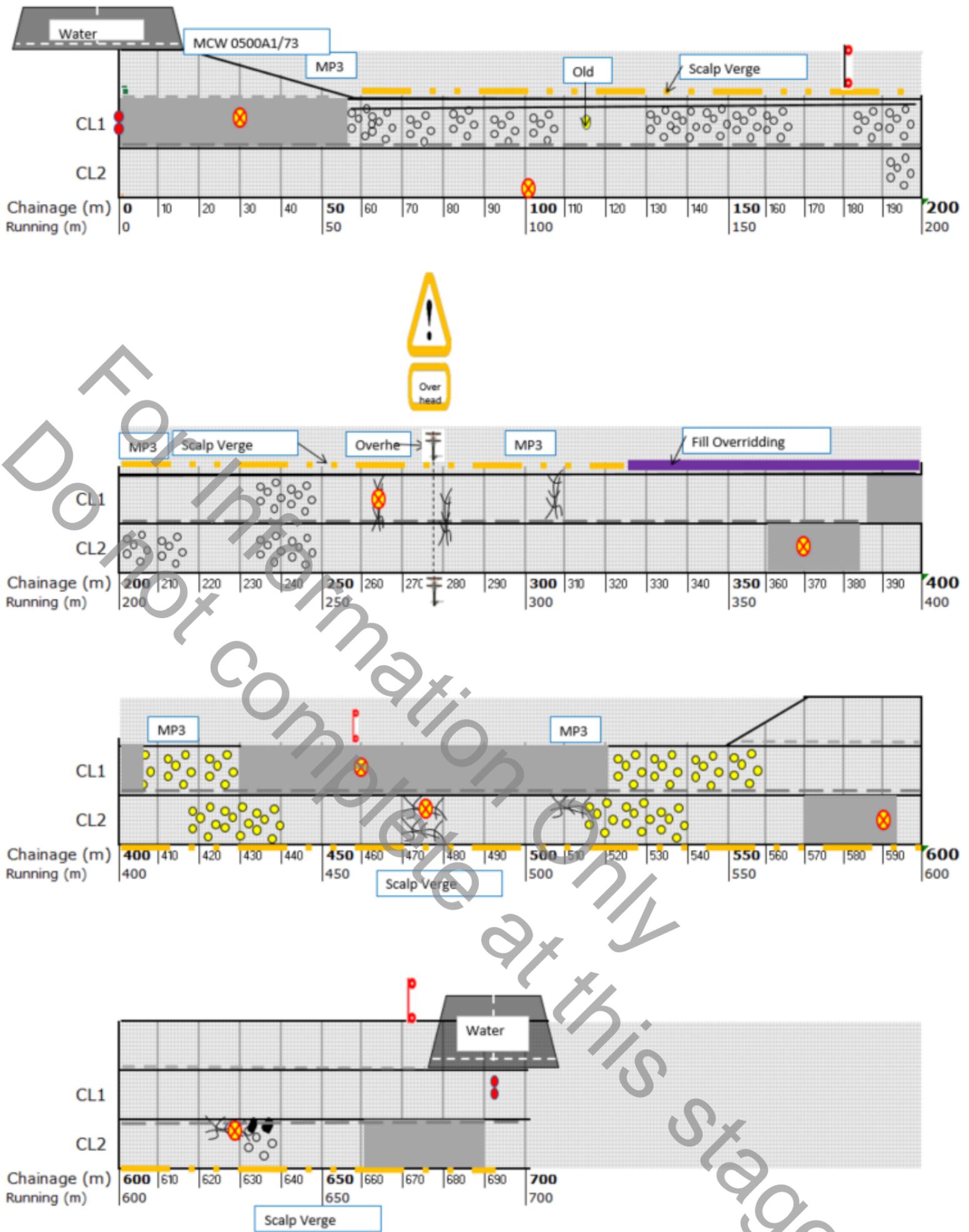


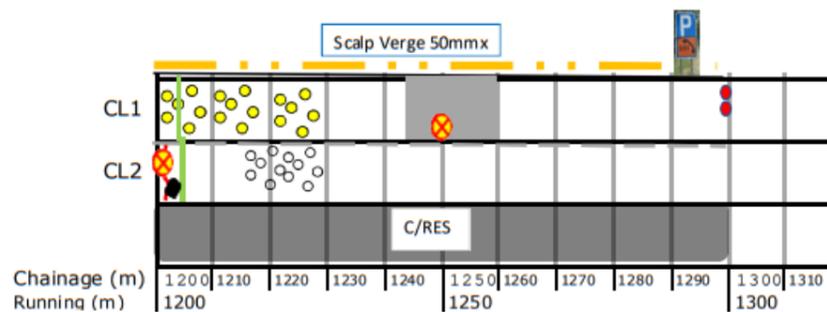
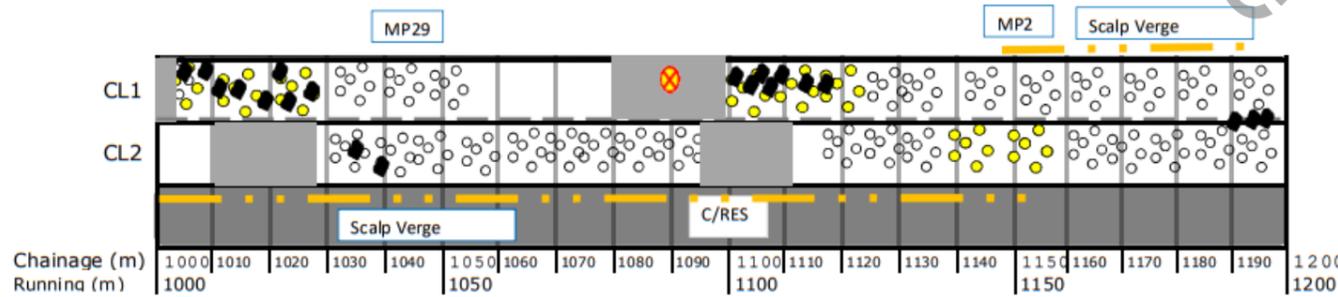
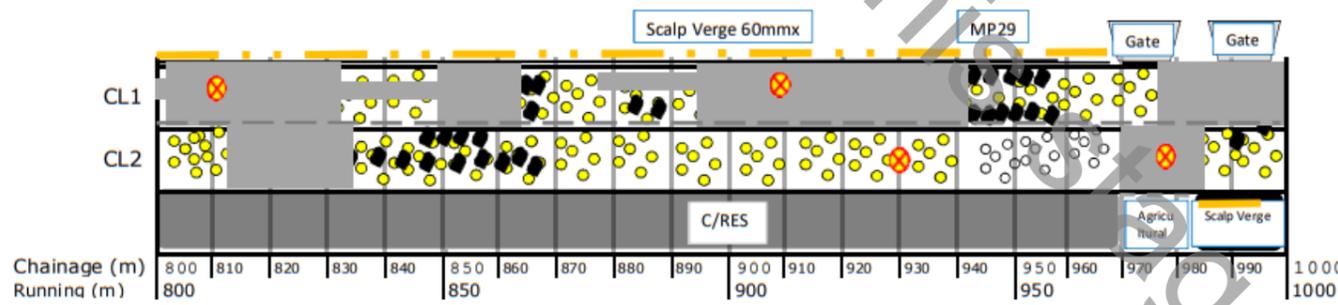
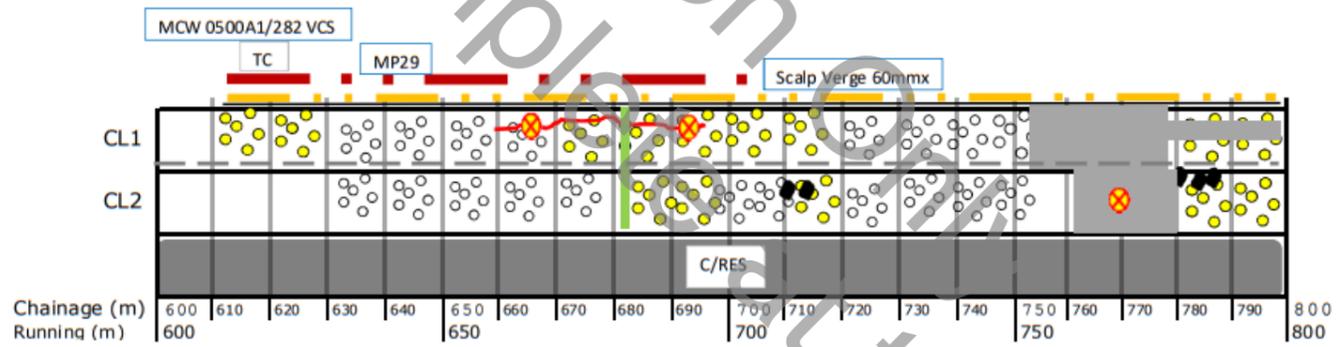
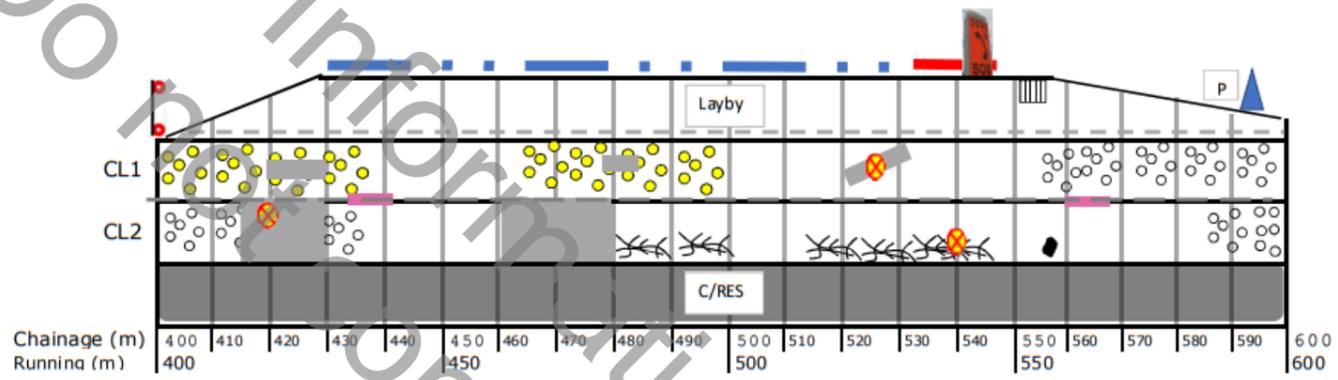
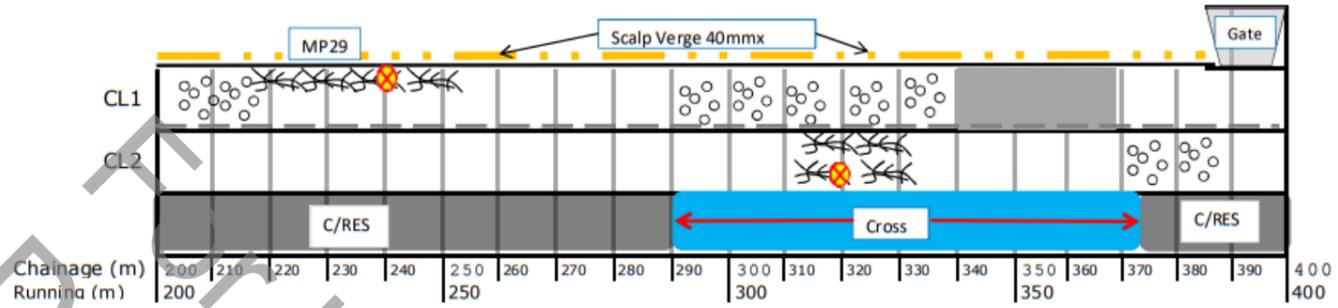
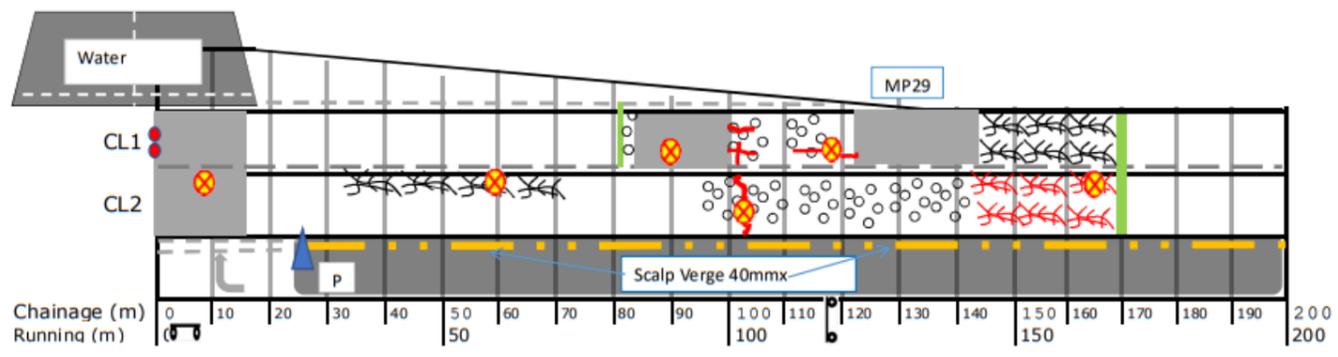
Appendix 3 – Testing Plan

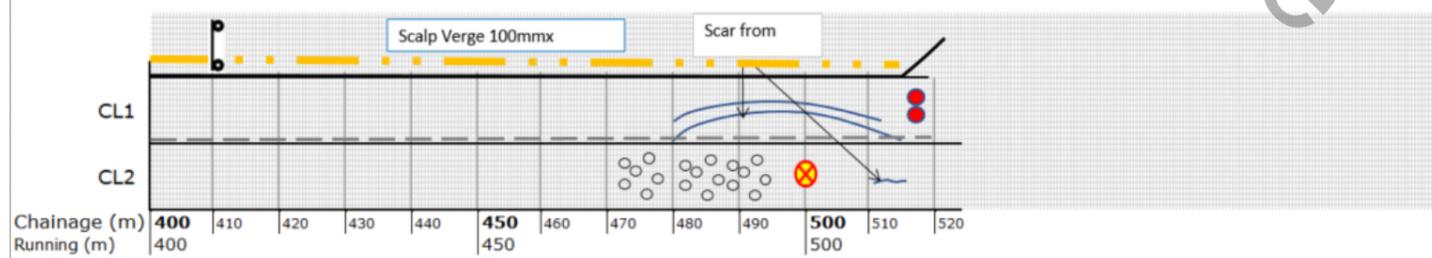
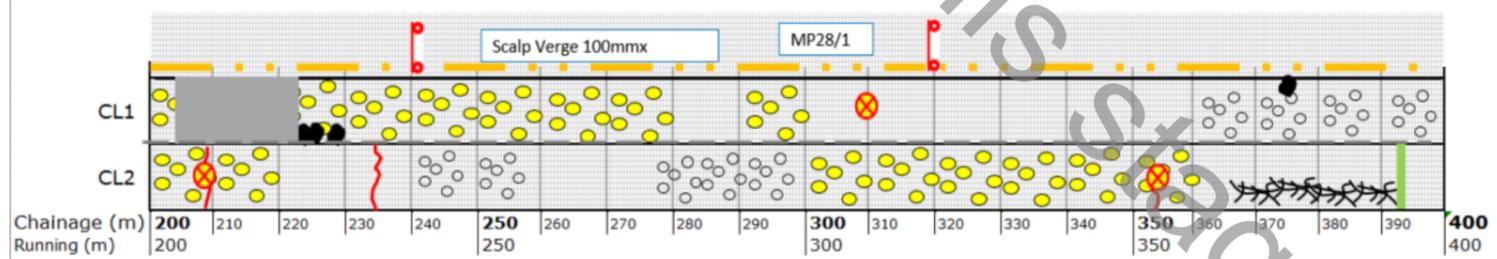
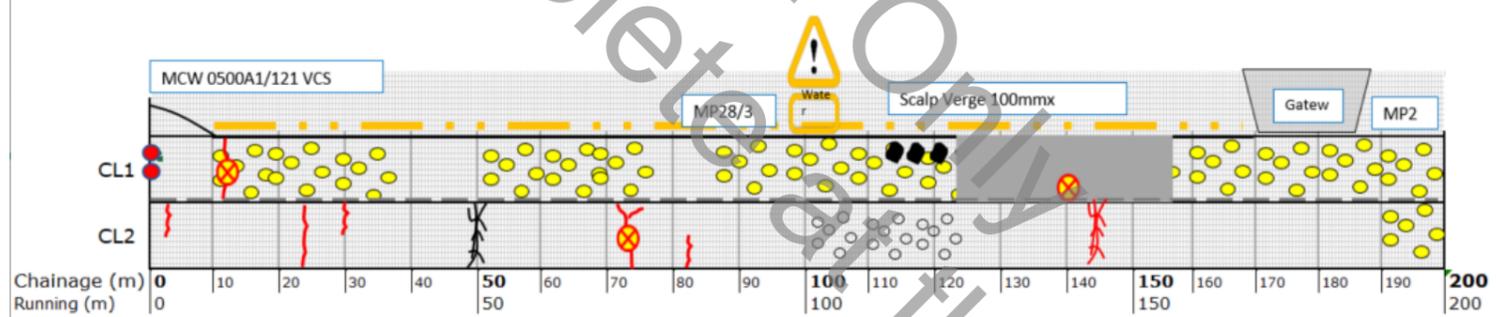
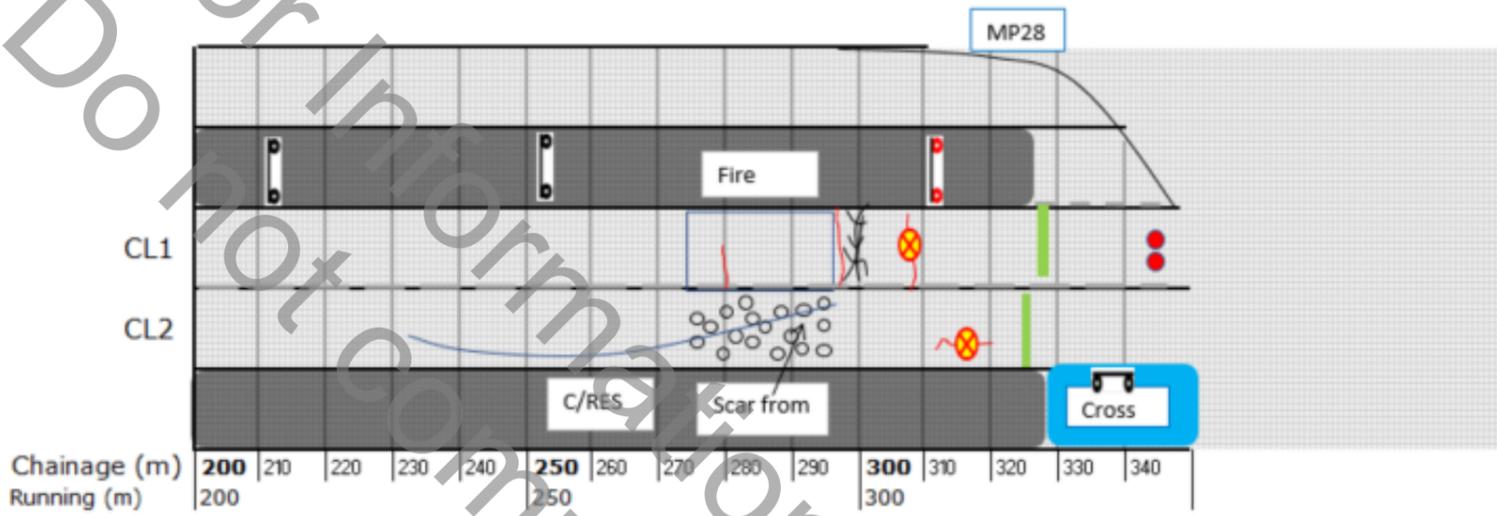
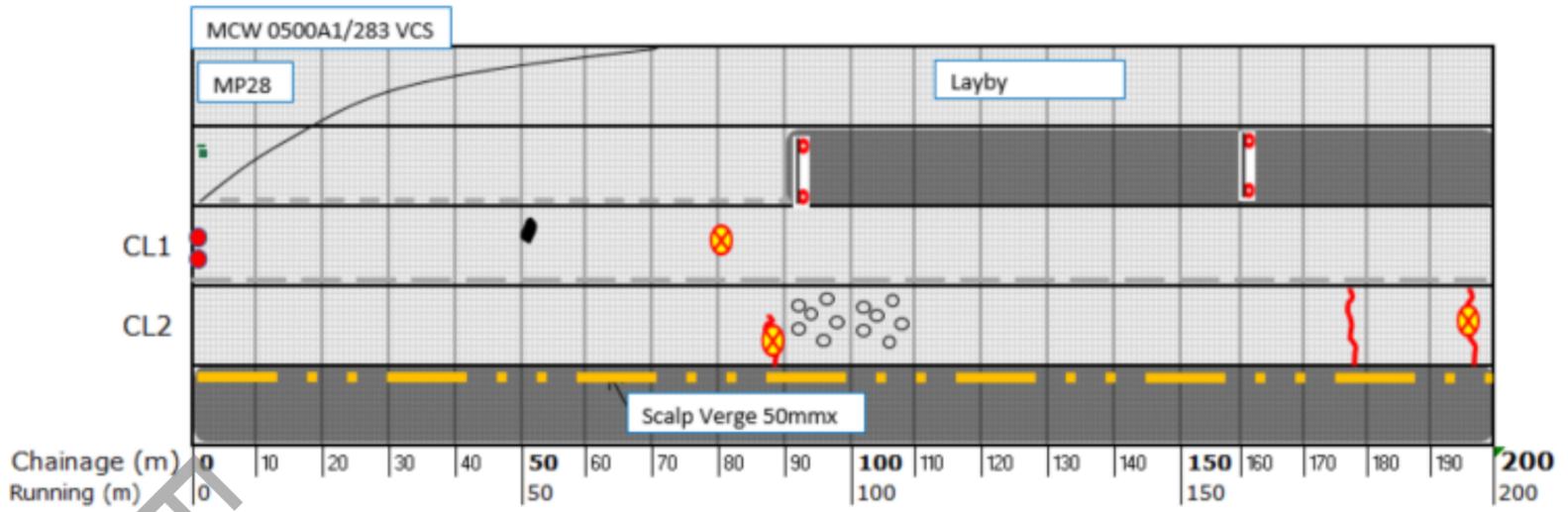
 Core Location

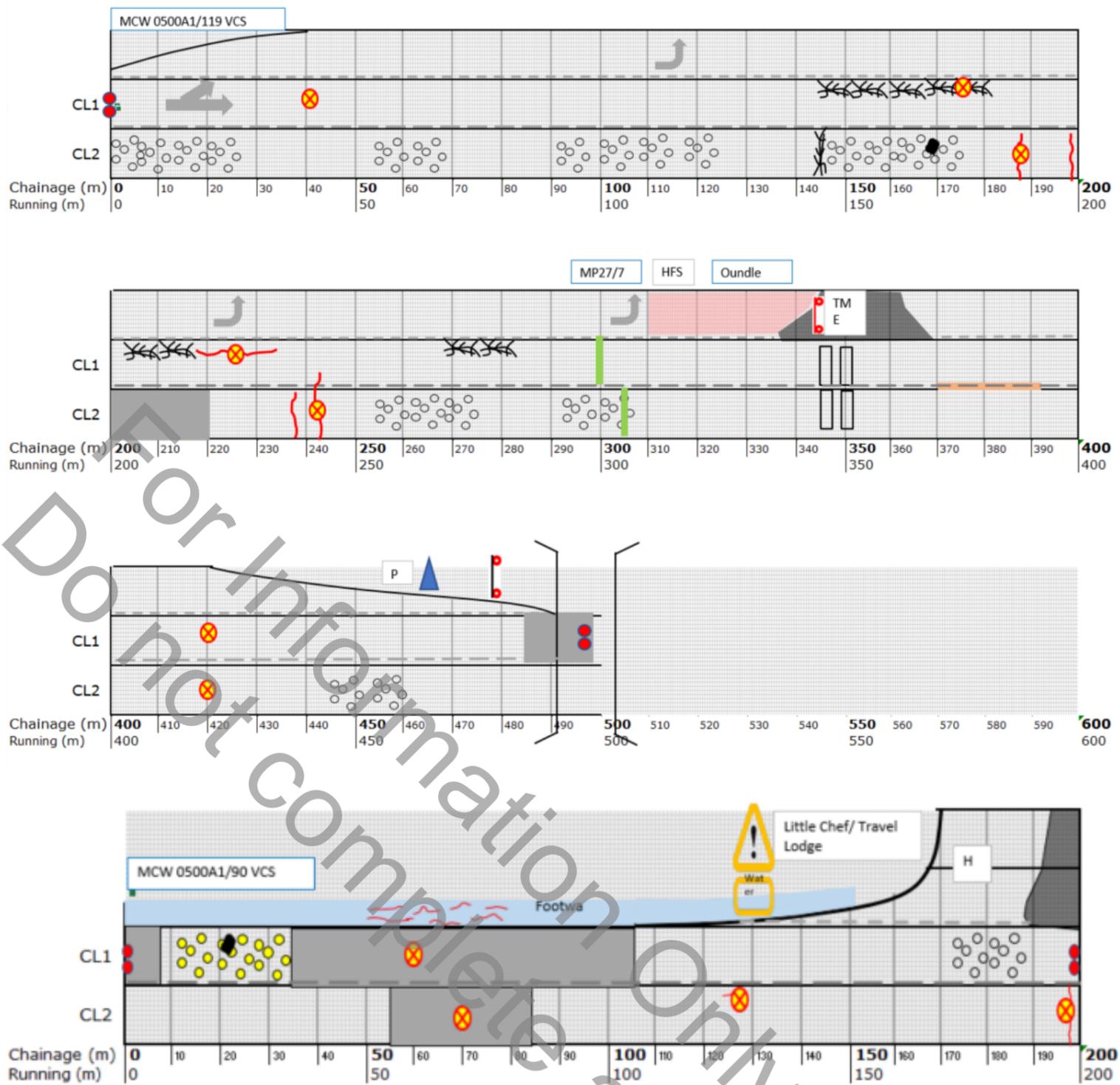
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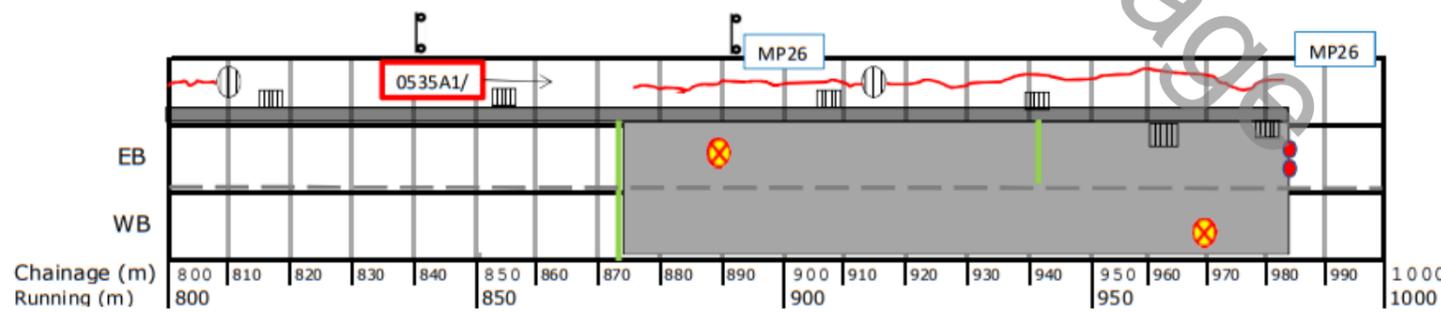
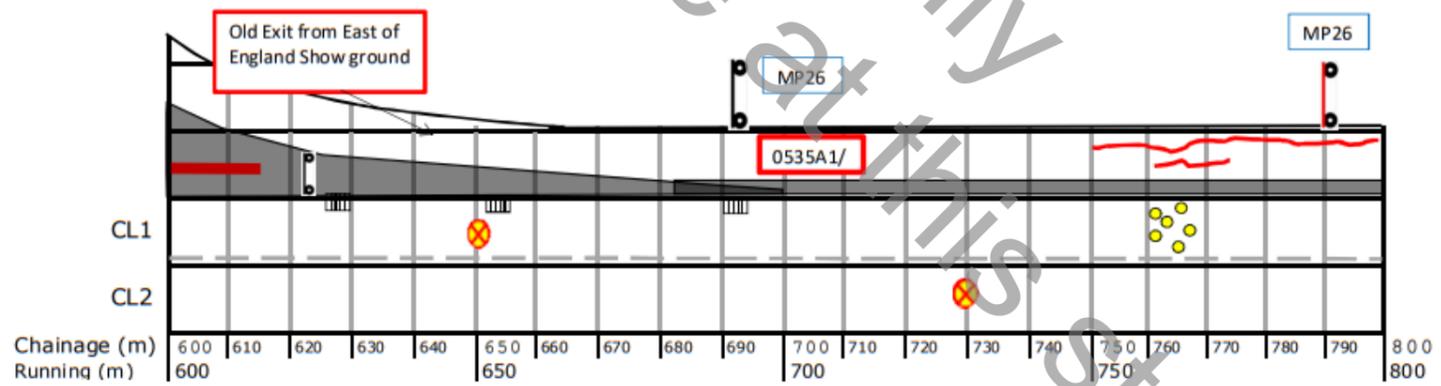
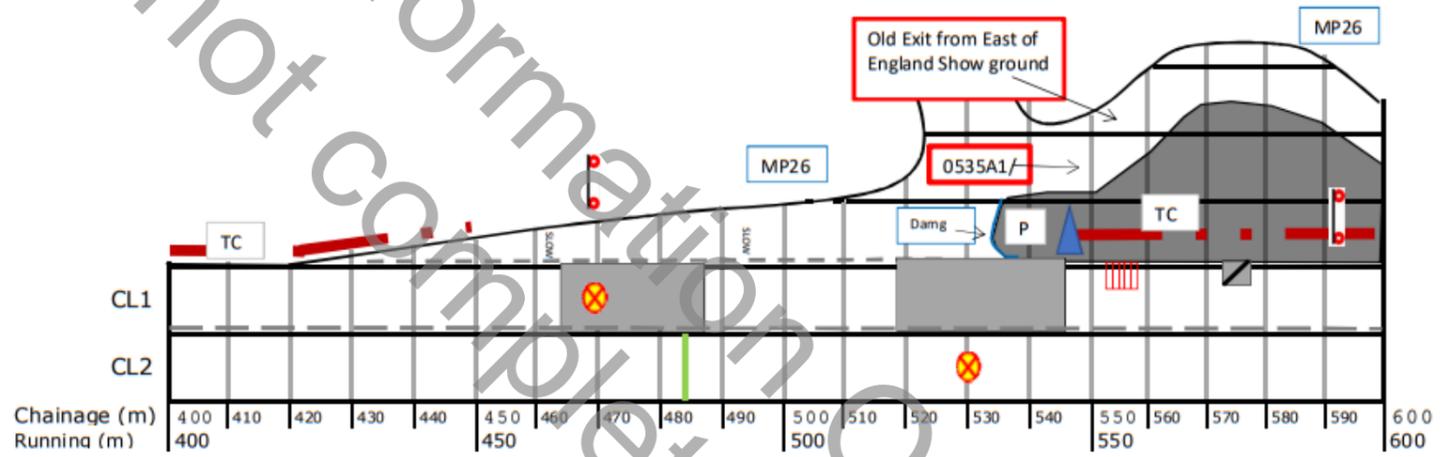
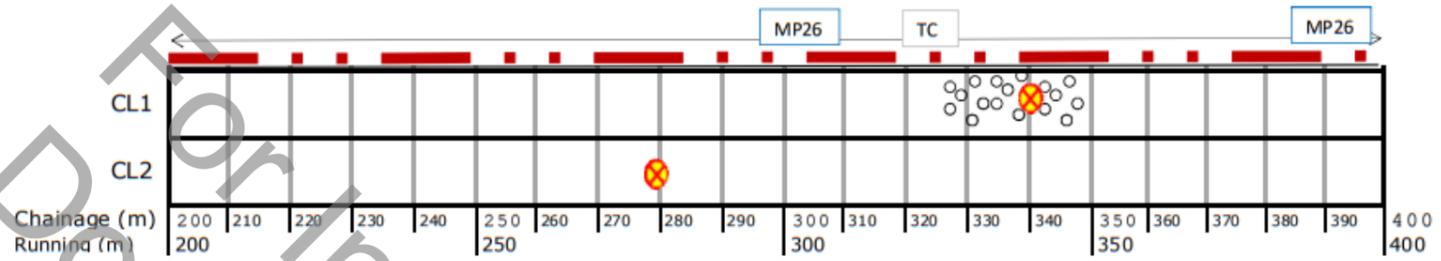
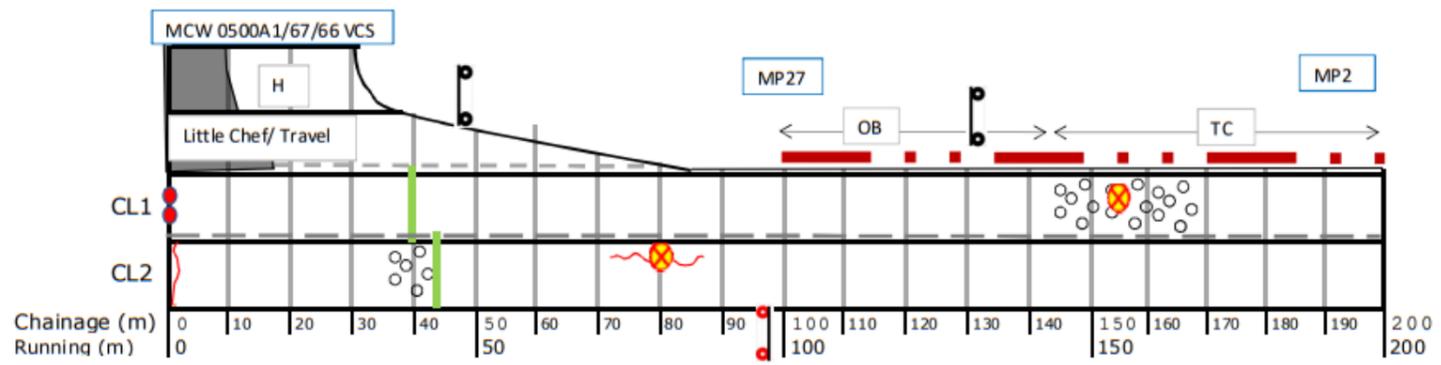


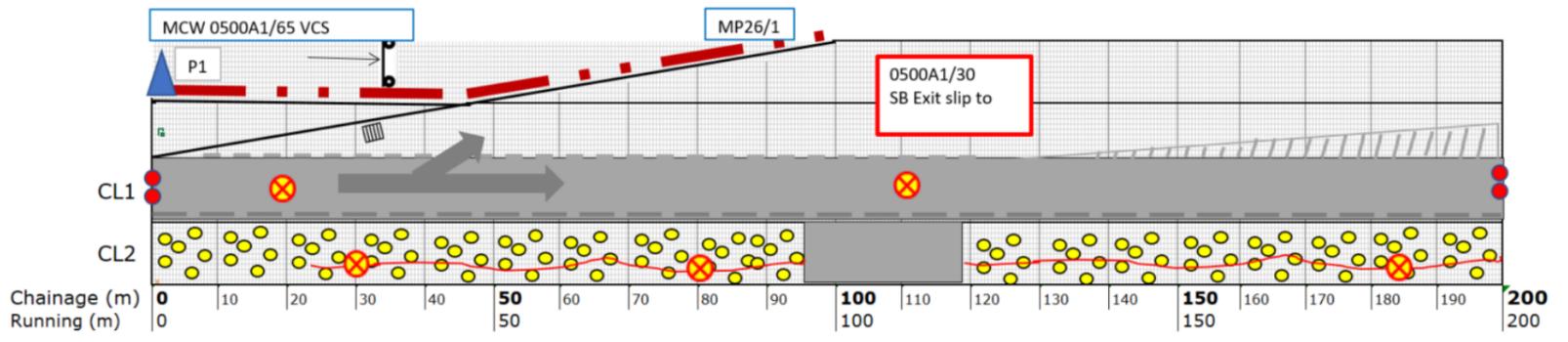












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Survey Schedule

| Survey Schedule | | | | | | | | | | |
|--|-------------------|-------------|-----------|-----------------|--------------|------|--------|-----|--------------------|-----------------------------|
| Scheme Name : A15Ibson to J17 SB Pboro Resur PIN : RRP0718 Scheme Length (m) : 5839 Scheme Year : RIS 2 Y1 HAPMS Section Ref : 0500A1/75/73/282/283/121/119/90/67/66/65/285/106/104/30 | | | | | | | | | | |
| Pavement Investigations | | | | | | | | | | |
| Survey Type | Chart Section Ref | Start Ch | End Ch | CROSS SECTION | OSWT | NSWT | Centre | DCP | Other | Comments |
| Cores/DCP | 0500A1/75 | 20 | 20 | CL2 | | | ✓ | | | Construction core |
| | 0500A1/75 | 50 | 50 | CL1 | | | ✓ | ✓ | | On patch |
| | 0500A1/75 | 180 | 180 | CL1 | | | ✓ | | | Construction core |
| | 0500A1/75 | 180 | 180 | CL2 | | | ✓ | ✓ | | Construction core |
| | 0500A1/75 | 300 | 300 | CL2 | ✓ | | | | | On patch |
| | 0500A1/75 | 304 | 304 | CL2 | | ✓ | | | | Longitudinal Crack |
| | 0500A1/75 | 462 | 462 | CL1 | | | ✓ | ✓ | | Transverse crack |
| | 0500A1/75 | 462 | 462 | CL2 | | | ✓ | | | Transverse crack |
| | 0500A1/75 | 510 | 510 | CL1 | | ✓ | | ✓ | | Longitudinal Crack |
| | 0500A1/75 | 642 | 642 | CL1 | ✓ | | | | | Localised cracking |
| | 0500A1/75 | 680 | 680 | CL2 | | | ✓ | | | On patch |
| | 0500A1/75 | 700 | 700 | CL1 | | | ✓ | ✓ | | Localised cracking |
| | 0500A1/75 | 820 | 820 | CL1 | | | ✓ | | | On patch |
| | 0500A1/75 | 855 | 855 | -CL1 | | ✓ | | | | Localised cracking in layby |
| | 0500A1/75 | 880 | 880 | CL1 | | | ✓ | ✓ | | Patch |
| | 0500A1/75 | 992 | 992 | CL1 | ✓ | | ✓ | | | Localised cracking |
| | 0500A1/75 | 1100 | 1100 | CL1 | | | ✓ | | | On patch |
| | 0500A1/73 | 30 | 30 | CL1 | | | ✓ | ✓ | | On patch |
| | 0500A1/73 | 100 | 100 | CL2 | ✓ | | | ✓ | | Construction core |
| | 0500A1/73 | 264 | 264 | CL1 | | | ✓ | ✓ | | Transverse crack |
| | 0500A1/73 | 370 | 370 | CL2 | | | ✓ | ✓ | | On patch |
| | 0500A1/73 | 460 | 460 | CL1 | | | ✓ | | | On patch |
| | 0500A1/73 | 475 | 475 | CL2 | | | ✓ | | | Localised cracking |
| | 0500A1/73 | 590 | 590 | CL2 | | | ✓ | ✓ | | On patch |
| | 0500A1/73 | 629 | 629 | CL2 | | ✓ | | ✓ | | Localised cracking |
| | 0500A1/282 | 10 | 10 | CL2 | | ✓ | | | | On patch |
| | 0500A1/282 | 60 | 60 | CL2 | | ✓ | | ✓ | | Localised cracking |
| | 0500A1/282 | 90 | 90 | CL1 | ✓ | | | | | On patch |
| | 0500A1/282 | 104 | 104 | CL2 | ✓ | | | ✓ | | Transverse crack |
| | 0500A1/282 | 119 | 119 | CL1 | ✓ | | | ✓ | | Longitudinal Crack |
| | 0500A1/282 | 165 | 165 | CL2 | | ✓ | | | | Localised cracking |
| | 0500A1/282 | 240 | 240 | CL1 | | ✓ | | ✓ | | Localised cracking |
| | 0500A1/282 | 320 | 320 | CL1 | ✓ | | | ✓ | | Localised cracking |
| | 0500A1/282 | 420 | 420 | CL2 | | ✓ | | | | On patch |
| | 0500A1/283 | 525 | 525 | CL1 | | | ✓ | | | On patch |
| | 0500A1/282 | 540 | 540 | CL2 | ✓ | | | ✓ | | Localised cracking |
| | 0500A1/282 | 667 | 667 | CL1 | | ✓ | | ✓ | | Longitudinal Crack |
| | 0500A1/282 | 692 | 692 | CL1 | | ✓ | | ✓ | | Longitudinal Crack |
| | 0500A1/282 | 770 | 770 | CL2 | | | ✓ | ✓ | | On patch |
| | 0500A1/282 | 811 | 811 | CL2 | | | ✓ | | | On patch |
| | 0500A1/282 | 910 | 910 | CL1 | | ✓ | | ✓ | | On patch |
| | 0500A1/282 | 930 | 930 | CL2 | | | ✓ | ✓ | | Fretting |
| | 0500A1/282 | 980 | 980 | CL2 | | | ✓ | ✓ | | On patch |
| | 0500A1/282 | 1090 | 1090 | CL1 | | | ✓ | ✓ | | On patch |
| | 0500A1/282 | 1200 | 1200 | CL2 | | | ✓ | ✓ | | Transverse crack |
| | 0500A1/282 | 1250 | 1250 | CL1 | | | ✓ | ✓ | | On patch |
| | 0500A1/283 | 80 | 80 | CL1 | | | ✓ | ✓ | | Construction core |
| | 0500A1/283 | 88 | 88 | CL2 | ✓ | | | ✓ | | Transverse crack |
| | 0500A1/283 | 197 | 197 | CL2 | | | ✓ | ✓ | | Transverse crack |
| | 0500A1/283 | 308 | 308 | CL1 | | | ✓ | ✓ | | Transverse crack |
| | 0500A1/283 | 316 | 316 | CL2 | ✓ | | | ✓ | | Longitudinal Crack |
| | 0500A1/121 | 12 | 12 | CL2 | | | ✓ | ✓ | | Transverse crack |
| | 0500A1/121 | 74 | 74 | CL2 | | | ✓ | ✓ | | Transverse crack |
| | 0500A1/121 | 140 | 140 | CL2 | ✓ | | | ✓ | | On patch |
| | 0500A1/121 | 219 | 219 | CL1 | | | ✓ | ✓ | | Transverse crack |
| | 0500A1/121 | 310 | 310 | CL1 | | | ✓ | ✓ | | Construction core |
| | 0500A1/121 | 354 | 354 | CL2 | | | ✓ | ✓ | | Transverse crack |
| | 0500A1/121 | 500 | 500 | CL2 | | | ✓ | ✓ | | Construction core |
| | 0500A1/119 | 40 | 40 | CL1 | | | ✓ | ✓ | | Construction core |
| | 0500A1/119 | 175 | 175 | CL1 | | | ✓ | ✓ | | Construction core |
| | 0500A1/119 | 188 | 188 | CL2 | | | ✓ | ✓ | | Localised cracking |
| | 0500A1/119 | 225 | 225 | CL1 | | | ✓ | ✓ | | Transverse crack |
| | 0500A1/119 | 242 | 242 | CL2 | | | ✓ | ✓ | | Longitudinal Crack |
| | 0500A1/119 | 420 | 420 | CL1 | | | ✓ | ✓ | | Transverse crack |
| | 0500A1/119 | 430 | 430 | CL2 | | | ✓ | ✓ | | Construction core |
| | 0500A1/90 | 60 | 60 | CL1 | | | ✓ | ✓ | | On patch |
| | 0500A1/90 | 70 | 70 | CL2 | | | ✓ | ✓ | | On patch |
| | 0500A1/90 | 128 | 128 | CL2 | | | ✓ | ✓ | | Longitudinal Crack |
| | 0500A1/90 | 198 | 198 | CL2 | | | ✓ | ✓ | | Transverse crack |
| 0500A1/67 | 80 | 80 | CL2 | | | ✓ | ✓ | | Longitudinal Crack | |
| 0500A1/67 | 155 | 155 | CL1 | | | ✓ | ✓ | | Construction core | |
| 0500A1/67 | 280 | 280 | CL2 | ✓ | | | | | Fretting | |
| 0500A1/67 | 341 | 341 | CL1 | | | ✓ | ✓ | | Construction core | |
| 0500A1/67 | 470 | 470 | CL1 | | | ✓ | ✓ | | On patch | |
| 0500A1/67 | 530 | 530 | CL2 | | | ✓ | ✓ | | Fretting | |
| 0500A1/67 | 650 | 650 | CL1 | | | ✓ | ✓ | | Construction core | |
| 0500A1/67 | 730 | 730 | CL2 | | | ✓ | ✓ | | Construction core | |
| 0500A1/67 | 890 | 890 | CL1 | | | ✓ | ✓ | | Construction core | |
| 0500A1/67 | 970 | 970 | CL2 | ✓ | | | ✓ | | Construction core | |
| 0500A1/65 | 20 | 20 | CL1 | | ✓ | | ✓ | | On patch | |
| 0500A1/65 | 30 | 30 | CL2 | ✓ | | | ✓ | | Longitudinal Crack | |
| 0500A1/65 | 80 | 80 | CL2 | ✓ | | | ✓ | | Longitudinal Crack | |
| 0500A1/65 | 110 | 110 | CL1 | | | ✓ | ✓ | | On patch | |
| 0500A1/65 | 185 | 185 | CL2 | ✓ | | | ✓ | | Longitudinal Crack | |
| DFG Survey | Section | Lane Length | DCW L1/L2 | Slip Road Lanes | LM | | | | | |
| | 0500A1/75 | 1110 | L1 and L2 | N/A | 2220 | | | | | |
| | 0500A1/73 | 691 | L1 and L2 | N/A | 1382 | | | | | |
| | 0500A1/282 | 1300 | L1 and L2 | N/A | 2600 | | | | | |
| | 0500A1/283 | 346 | L1 and L2 | N/A | 692 | | | | | |
| | 0500A1/121 | 518 | L1 and L2 | N/A | 1036 | | | | | |
| | 0500A1/119 | 493 | L1 and L2 | N/A | 986 | | | | | |
| | 0500A1/90 | 198 | L1 and L2 | N/A | 396 | | | | | |
| | 0500A1/67 | 983 | L1 and L2 | N/A | 1966 | | | | | |
| | 0500A1/65 | 200 | L1 and L2 | N/A | 400 | | | | | |
| | | | | Total | 11678 | | | | | |
| FWD Survey | N/A | | | | | | | | | |
| GPR Survey | N/A | | | | | | | | | |
| Any other surveys | N/A | | | | | | | | | |
| Any additional comments: | | | | | | | | | | |
| Chart sections 0500A11/66 does not require DFG or coring. | | | | | | | | | | |