

Schedule 10: Completion Requirements

General

1. Independent Reviewer Actions

The following are descriptions of the Independent Reviewer Actions utilised in the following tables to describe the extent of the actions the Independent Reviewer is required to take in relation to the testing of each element.

1.1 Independent Reviewer Action 1

Independent Reviewer receives (whether electronically or physically, at the option of the Contractor) all Contractor records (e.g., drawings (Final Design Documentation, plans, quality assurance (QA) records, test results, Producer Statements, other certifications received by the Contractor from 3rd parties), then reviews a representative sample to confirm they are complete, appropriate and are in accordance with applicable Project Agreement requirements. The Independent Reviewer does not verify design.

That is, through representative sampling, audits and physical inspection (as required by the relevant Works Completion Test or Close-out Test), the Independent Reviewer is required to confirm the as-built works:

- are of appropriate quality, by reference to the Project Agreement requirements;
- are in accordance with the Final Design Documentation, or any changes to the Final Design Documentation are appropriately addressed (e.g., design changes due to encountered site conditions);
- (once the as-built documentation is received) are in accordance with the as-built documentation; and
- tests have been satisfactorily completed in line with the Finalised Inspection and Test Plans, such that any anomalies in test results or approach are satisfactorily addressed and closed-out, including via re-test or alternative testing, as appropriate and as in line with Action 3 below.

In undertaking the above, the Independent Reviewer is not required to confirm that the Final Design Documentation complies with the Works Requirements.

Notwithstanding the above, for this Review Action 1 the Independent Reviewer must also receive evidence of the Auckland Council's confirmation that the completed P2Wk Project works are in full compliance with the RMA Conditions.

1.2 Independent Reviewer Action 2

Independent Reviewer receives evidence of transmittal of Contractor documentation to the Transport Agency.

1.3 Independent Reviewer Action 3

Independent Reviewer attends and witnesses a representative sample of tests undertaken by the Contractor. Testing will be in accordance with the Finalised Inspection and Test Plans. With the exception of any testing identified for completion by the Independent Reviewer within Schedule 10, the Independent Reviewer is not required to undertake its own testing, however it retains the right:

- (a) to require that the Contractor undertakes re-tests where:
 - (i) the results of the initial testing are unsatisfactory and/or fail to meet the required criteria in accordance with the Finalised Inspection and Test Plans; or
 - (ii) where the Independent Reviewer, acting reasonably, has concerns with the conduct of the testing;
- (b) to witness/observe any test or re-test undertaken by the Contractor;
- (c) to instruct an additional alternative test, where the initial testing (as per the Finalised Inspection and Test Plans) has not been satisfactorily complied with, and provided that any such test is consistent with the purpose and intent of the original test; and
- (d) to undertake its own testing (itself or through a third party) where it considers this to be required in the circumstances, with prior notification to the Contractor and the Transport Agency, and provided that any such test is consistent with the purpose and intent of the original Works Completion Test (**WCT**) or Close-out Test (**COT**) and/or test(s) contained in the Finalised Inspection and Test Plans.

1.4 Independent Reviewer Action 4

Independent Reviewer undertakes a visual inspection of completed P2Wk Project works as required in the relevant tests set out below.

Note: The Independent Reviewer will have full access to the Contractor's electronic document management system (**EDMS**) throughout the construction and close-out phases. This will hold all records discussed in Action 1 above. The Contractor's Construction Sub-contractor will also provide the Independent Reviewer with appropriate training, as required to facilitate the Independent Reviewer's use of the EDMS.

Part 1 – Works Completion

2. Works Completion Tests

The Contractor will conduct the Works Completion Tests set out in Appendix A in accordance with clause 29.3 (Works Completion) of the Base Agreement.

Part 2 – Close-out

3. Close-out Tests

The Contractor will conduct the Close-out Tests set out in Appendix B in accordance with clause 29.7 (Close-Out) of the Base Agreement.

Appendix A: Works Completion Tests

WCT	Description of Works Completion Test	Acceptance Criteria	Independent Reviewer requirements to ascertain whether Acceptance Criteria met	Independent Reviewer Action (as described in General section above)			
				1	2	3	4
1	The P2Wk Project has been constructed in accordance with the Final Design Documentation.	The Contractor has constructed the P2Wk Project in compliance with the Final Design Documentation, other than any planting (e.g. successional planting) programmed to be implemented after Works Completion by the then applicable Construction Programme, such planting being deemed to be excepted from WCT 1 in the Final Design Documentation.	<p>The Independent Reviewer has received the Final Design Documentation and has confirmed to its reasonable satisfaction that it is complete and has been Finalised in accordance with Schedule 8 (Review Procedures).</p> <p>The Independent Reviewer has received and reviewed all quality documentation (including Inspection and Test Plans, test results and any warranties, etc.) and has confirmed to its reasonable satisfaction that it is complete and accurate, as assessed by visual inspection of a representative sample of the works, and the Contractor has provided to the Independent Reviewer acceptable certification by a suitable party that the P2Wk Project is fully in accordance with the Final Design Documentation, other than any planting (e.g. successional planting) programmed to be implemented after Works Completion by the then applicable Construction Programme, such planting being deemed to be excepted from WCT 1 in the Final Design Documentation.</p>	x			
				x			x

WCT	Description of Works Completion Test	Acceptance Criteria	Independent Reviewer requirements to ascertain whether Acceptance Criteria met	Independent Reviewer Action (as described in General section above)			
				1	2	3	4
2	The elements of structures and buildings (if any) delivered as part of the P2Wk Project that are required to comply with the New Zealand Building Code are compliant.	The Contractor has constructed the relevant elements of structures and buildings (if any) forming part of the P2Wk Project in compliance with the NZBC, and procured appropriate completed "Code Compliance Certificates" (or, where these cannot be obtained in a timely manner, completed "Certificates of Public Use" as a minimum).	The Contractor has provided to the Independent Reviewer a copy of required current "Code Compliance Certificates" (or, where these cannot be obtained in a timely manner, completed "Certificates of Public Use" as a minimum) relating to the P2Wk Project and the Independent Reviewer has reviewed the documentation and is satisfied that it is accurate and complete and that it has been signed by an authorised Local Authority representative.	x			
			The Contractor has provided to the Independent Reviewer a copy of all required approved building consents including any amendments, earthworks consents and engineering approvals (including utilities connections or protection works) required outside of building consents and the Independent Reviewer has reviewed the documentation and is satisfied that it is accurate and complete and that it has been signed by an authorised Local Authority representative.	x			
3	The elements of the P2Wk Project that are required to comply with Local Authorities' requirements regarding works on local roads are compliant.	The Contractor has constructed the relevant elements of the P2Wk Project in compliance with all Local Authorities' requirements regarding works on local roads.	The Contractor has provided to the Independent Reviewer a copy of all required written Local Authority sign-offs in relation to roads that are to be handed over to the relevant Local Authority and the Independent Reviewer has received evidence of suitable confirmation at the appropriate level of delegation within that relevant Local Authority that the local roads and connections have been designed and constructed to comply with the requirements of the relevant Local Authority and hand back to the relevant Local Authority will be accepted after the legalisation of the Local Roads.	x			

WCT	Description of Works Completion Test	Acceptance Criteria	Independent Reviewer requirements to ascertain whether Acceptance Criteria met	Independent Reviewer Action (as described in General section above)			
				1	2	3	4
4	The P2Wk Project complies with all RMA Conditions.	The P2Wk Project complies with all RMA Conditions.	The Contractor has provided to the Independent Reviewer evidence from Auckland Council that confirms the P2Wk Project is in full compliance with the RMA Conditions.	x			
5	CS-VUE (or equivalent consent compliance database approved by the Transport Agency) has been updated.	The Contractor has updated CS-VUE (or equivalent consent compliance database approved by the Transport Agency).	The Contractor has confirmed to the Independent Reviewer's reasonable satisfaction that CS-VUE (or equivalent consent compliance database approved by the Transport Agency) has been updated, and that update is complete and accurate.	x			
6	All Producer Statements with respect to the P2Wk Project have been obtained.	The Contractor has obtained all required Producer Statements with respect to the P2Wk Project.	<p>The Contractor has provided to the Independent Reviewer all required Producer Statements in an appropriate format and the Independent Reviewer is satisfied that they are complete and have been signed by a suitably qualified person with an appropriate level of independence.</p> <p>Note: Producer Statements will be provided as part of the QA records to provide certification that the P2Wk Project works are constructed in accordance with the Final Design Documentation, including confirmation that confirms that the Bridge Manual has been appropriately applied to all Structures, Bridges and Culverts.</p>	x			

WCT	Description of Works Completion Test	Acceptance Criteria	Independent Reviewer requirements to ascertain whether Acceptance Criteria met	Independent Reviewer Action (as described in General section above)			
				1	2	3	4
7	<p>The Road Safety Audits:</p> <ul style="list-style-type: none"> at the design development stage (pre-construction); and post-construction, <p>have been completed and relevant concerns have been resolved.</p>	<p>The Contractor has conducted the required Road Safety Audits and has provided to the Transport Agency the Road Safety Audit report and has resolved all moderate and higher safety concerns raised during Road Safety Audits.</p>	<p>The Independent Reviewer has received, and has received evidence of transmittal to the Transport Agency of:</p> <ul style="list-style-type: none"> the Road Safety Audit Report (the “Report”); a complete set of the information provided to the Road Safety Audit Team; and the Contractor’s comments and responses to the Report, <p>and the Contractor has provided evidence to the Independent Reviewer that it has completed all actions required to resolve all moderate and higher safety concerns raised during the Road Safety Audits.</p>	x	x		
8	<p>The P2Wk Project is free from construction material and is substantially free from litter, refuse, debris and animal remains and is fenced in accordance with the Project Agreement requirements.</p>	<p>The P2Wk Project is free from construction material, and is substantially free from litter, refuse, debris and animal remains and is fenced in accordance with the Project Agreement requirements.</p>	<p>The Independent Reviewer has confirmed to its reasonable satisfaction that the P2Wk Project is free from construction related material and is substantially free from litter, refuse, debris and animal remains.</p> <p>The Independent Reviewer has confirmed to its reasonable satisfaction that the P2Wk Project is fenced in accordance with the Project Agreement requirements.</p>				<p>x</p> <p>x</p>

WCT	Description of Works Completion Test	Acceptance Criteria	Independent Reviewer requirements to ascertain whether Acceptance Criteria met	Independent Reviewer Action (as described in General section above)			
				1	2	3	4
9	All warranties, guarantees and data sheets required for successful operation and maintenance of all P2Wk Project assets have been obtained.	The Contractor has obtained all required warranties and guarantees and provided sufficient detailed information as is necessary for the successful operation and maintenance of all assets listed on the Asset Register.	The Independent Reviewer has received evidence of transmittal to the Transport Agency of all required warranties, detailed information and data sheets, and associated asset management plans, and confirmed to its reasonable satisfaction that they are complete and accurate.	x	x		
10	The construction defects report (in accordance with the methodology set out in the Works Completion Plan) has been appropriately completed and defects (excluding only Snagging Defects) have been rectified.	The Contractor has provided to the Transport Agency a completed construction defects report that, as a minimum, details all construction defects (categorised as design, materials, specification or workmanship defects), including a description of the defect, the method of identification, GPS location, the cause, a description and results of the tests carried out, details of any remedial measures taken, including the results of additional testing undertaken, and including all associated dates.	The Independent Reviewer has received evidence of transmittal to the Transport Agency of the final construction defects report and the Independent Reviewer has confirmed to its reasonable satisfaction that the final construction defects report is complete and accurate, and all non-Snagging Defects have satisfactorily been addressed in accordance with the Project Agreement requirements.	x	x		x

WCT	Description of Works Completion Test	Acceptance Criteria	Independent Reviewer requirements to ascertain whether Acceptance Criteria met	Independent Reviewer Action (as described in General section above)			
				1	2	3	4
11	All required Services Documentation has been Finalised in accordance with the Project Agreement requirements.	All required Services Documentation has been Finalised in accordance with the requirements of the Project Agreement, including Part 2 (Services Documentation) of Schedule 9 (Operative Documents).	The Independent Reviewer has received evidence and confirmed to its reasonable satisfaction that all Services Documentation required to be Finalised before the Service Commencement Date has been Finalised.		x		
12	All RAMM update tables have been completed in accordance with the Project Agreement requirements and provided to the Transport Agency.	The Contractor has provided to the Transport Agency all completed RAMM update tables in accordance with the State Highways Database Operation Manual and the Location Reference Management System Manual.	<p>The Independent Reviewer has received all completed RAMM update tables (in accordance with the State Highways Database Operation Manual and the Location Reference Management System Manual) and has confirmed to its reasonable satisfaction, including via visual inspection, that the tables are complete, accurate and in the correct format.</p> <p>The Independent Reviewer has received evidence of transmittal to the Transport Agency of all completed RAMM update tables, having satisfied this WCT 12.</p>	x			x
13	All information necessary to update the Bridge Data System in relation to all Bridges within the P2Wk Project in accordance with the Project Agreement requirements has been provided to the Transport Agency.	The Contractor has provided to the Transport Agency all required information necessary to update the Bridge Data System in relation to all Bridges within the P2Wk Project, in accordance with the Bridge Data System Structural Guide.	The Independent Reviewer has received evidence of transmittal to the Transport Agency of all required information for the Bridge Data System, and has confirmed to its reasonable satisfaction that the information is accurate, complete and in the correct format.		x		

WCT	Description of Works Completion Test	Acceptance Criteria	Independent Reviewer requirements to ascertain whether Acceptance Criteria met	Independent Reviewer Action (as described in General section above)			
				1	2	3	4
14	Operational readiness						
14.1	The Contractor is operationally ready.	The Contractor has demonstrated it is operationally ready and that it has the appropriate personnel, processes and equipment in place to deliver the AMM Services.	The Independent Reviewer has received the Contractor's Finalised plan for commissioning and operational readiness (being part of the Works Completion Plan), and the results of any actions taken to rectify any deficiencies arising from the Inspection and Test Plan or the Works Completion Plan, and the Contractor has provided evidence to the Independent Reviewer's reasonable satisfaction that the Contractor has implemented such plan accordingly.	x			
14.2	The Contractor's Inspection and Test Plan equipment has been comprehensively tested in the manufacturer's production facility in accordance with documented and certified testing procedures.	The Contractor has demonstrated that all such factory acceptance tests have been carried out and that the test reports demonstrate that the equipment is fit for the designed purpose.	The Independent Reviewer has received production test reports for each item of equipment, and has confirmed to its reasonable satisfaction that factory acceptance testing has been successfully completed in accordance with the manufacturer test procedures.	x			
14.3	The Contractor's ITS equipment, subsystem and complete system (including the requirements for ATOC) has been comprehensively tested in an on-site environment prior to any network	The Contractor has demonstrated that the Contractor's ITS equipment, subsystems and complete system (including the requirements for ATOC) meet the requirements of the Transport Agency's network operations protocols and subsystem configuration	The Independent Reviewer has received site acceptance test certificates and has confirmed to its reasonable satisfaction, including witnessing final testing, that the Contractor's ITS equipment, subsystem and complete system (including the requirements for ATOC) will operate as intended in the operational environment.	x		x	

WCT	Description of Works Completion Test	Acceptance Criteria	Independent Reviewer requirements to ascertain whether Acceptance Criteria met	Independent Reviewer Action (as described in General section above)			
				1	2	3	4
	configuration.	The Contractor's ITS equipment, subsystems and complete system (including the requirements for ATOC) have been tested to ensure the integrity of the Transport Agency's and ATOC's network communications and systems are not compromised by the introduction of the Contractor's additional and new technologies.					
14.4	The Contractor's ITS equipment, subsystem and complete system (including the requirements for ATOC) has been comprehensively tested to ensure the integrity of the Transport Agency's and ATOC's ICT System.	<p>The Contractor has commissioned the Contractor's ITS equipment, subsystem and complete system (including the requirements for ATOC), including ATOC personnel acceptance testing, and has been signed off by ATOC.</p> <p>The Contractor has supplied all documentation necessary for the operation of the Contractor's ITS equipment, subsystem and complete system, including systems operations manual, fibre optic information, power supply details, system configuration details, training manuals, firmware and software</p>	<p>The Independent Reviewer has received evidence of ATOC personnel certification that the Contractor's ITS equipment, subsystem and complete system (including the requirements for ATOC) is ready for operation.</p> <p>The Independent Reviewer has confirmed to its reasonable satisfaction that the Contractor has supplied all documentation necessary for the full operation of the Contractor's ITS equipment, subsystem, complete system (including the requirements for ATOC), and that ATOC has accepted the systems into operation.</p>	x			
					x		

WCT	Description of Works Completion Test	Acceptance Criteria	Independent Reviewer requirements to ascertain whether Acceptance Criteria met	Independent Reviewer Action (as described in General section above)			
				1	2	3	4
		details.					
14.5	Traffic monitoring has been installed, commissioned and tested and meets the Project Agreement requirements.	The Contractor has in place a measurement system, and has performed full-scale real time commissioning tests to adequately test all aspects of the system.	The Independent Reviewer has confirmed to its reasonable satisfaction, including witnessing final testing, that the measurement system has been fully tested in accordance with the Finalised Inspection and Test Plans and Finalised commissioning plan (being part of the Works Completion Plan), and meets the Project Agreement requirements.	x		x	
14.7	ATOC protocols have been established in accordance with the Project Agreement requirements.	The Contractor has established operational and communication protocols with ATOC as required under Schedule 12 (Service Requirements).	The Independent Reviewer has access to the protocols and has been provided evidence by the Contractor to the Independent Reviewer's reasonable satisfaction that the protocols are in compliance with the Project Agreement requirements.	x			
14.8	The provision of emergency services facilities is in accordance with the Project Agreement	The Contractor has consulted with the Emergency Services, and designed and constructed the emergency services facilities in accordance with the Project	The Independent Reviewer has attended and witnessed final operational testing by the Contractor, and confirmed to its reasonable satisfaction that the Contractor has operationally tested that the emergency services facilities fully meet the Project Agreement requirements.	x		x	

WCT	Description of Works Completion Test	Acceptance Criteria	Independent Reviewer requirements to ascertain whether Acceptance Criteria met	Independent Reviewer Action (as described in General section above)			
				1	2	3	4
	requirements.	Agreement requirements, and tested the operation of it with a full-scale representative test vehicle.	<p>The Independent Reviewer has received from the Contractor evidence that:</p> <ul style="list-style-type: none"> (a) the Contractor has consulted with the Emergency Services; (b) the Emergency Services have reviewed the design and have confirmed acceptance or returned no comments; and (c) the Emergency Services have confirmed acceptance of, or returned no comments on, the emergency services facilities as built. 	x			
14.9	All required pedestrian, cyclist and recreational user facilities have been constructed in accordance with the Project Agreement requirements.	The Contractor has constructed all pedestrian, cyclist and recreational user facilities as appropriate to each facility in accordance with the Project Agreement requirements.	The Independent Reviewer has received QA records and operational testing results from the Contractor and confirmed to the Independent Reviewer's reasonable satisfaction that all pedestrian and cyclist facilities and safety and warning installations are in accordance with the Final Design Documentation and the Project Agreement requirements.	x			
15	Compliance with overriding outcomes						
15.1	The Safety Report required by section 79(1) of the Government Roading Powers Act 1989 has been obtained.	The Contractor has received, from a Chartered Professional Engineer appointed by it, a report that complies with section 79(1) of the Government Roading Powers Act 1989.	<p>The Independent Reviewer has sighted the report and has confirmed to its reasonable satisfaction that the report provides that:</p> <ul style="list-style-type: none"> • the engineer has inspected the P2Wk Main Alignment; and • the engineer has confirmed that the P2Wk Main Alignment is in good and efficient repair and may safely and conveniently be used for public traffic. 	x			

WCT	Description of Works Completion Test	Acceptance Criteria	Independent Reviewer requirements to ascertain whether Acceptance Criteria met	Independent Reviewer Action (as described in General section above)			
				1	2	3	4
15.2	The P2Wk Project achieves a KiwiRAP four star rating.	The Contractor has undertaken an assessment in accordance with the KiwiRAP guidelines and has met the requirements for a KiwiRAP four star rating.	The Independent Reviewer has received evidence of the Contractor's assessment and all necessary supporting documentation, and the Independent Reviewer has confirmed to its reasonable satisfaction that the assessment is accurate and complete and demonstrates that the P2Wk Project meets the requirements of a KiwiRAP four star rating.	x			
15.3	The P2Wk Project complies with the certified Landscape and Urban Design Framework (ULDF) and the Urban and Landscape Design Sector Plans (ULDSPs) required by the RMA Conditions.	The Contractor has constructed the P2Wk Project in accordance with the Certified ULDF and ULDSPs.	The Independent Reviewer has received the certified ULDF and ULDSPs, and the Contractor has provided evidence to the Independent Reviewer's reasonable satisfaction that the P2Wk Project has been constructed in accordance with the Final Design Documentation, and complies with the Certified ULDF and ULDSPs.	x			x
16	Compliance with design working life requirements						
16.1	The P2Wk Project has been constructed to meet the design working life requirements set out in the Project Agreement.	The Contractor has constructed the P2Wk Project in a manner to achieve the required design working life of elements in accordance with the Project Agreement.	<p>The Independent Reviewer has received warranties, guarantees and QA records from the Contractor, and the Contractor has confirmed to the Independent Reviewer's reasonable satisfaction that the P2Wk Project has been constructed in a manner that has allowed the required design working life to be achieved.</p> <p>Through representative visual inspections of the P2Wk Project, the Independent Reviewer has confirmed that there is no material damage to the P2Wk Project that adversely impacts the design working life expectancies.</p>	x			x

WCT	Description of Works Completion Test	Acceptance Criteria	Independent Reviewer requirements to ascertain whether Acceptance Criteria met	Independent Reviewer Action (as described in General section above)			
				1	2	3	4
17	Compliance with lighting and electrical requirements						
17.1	The P2Wk Project includes all lighting required to meet the Project Agreement requirements and Designation Condition D75.	The Contractor has constructed the P2Wk Project so that it includes all lighting required to meet the Project Agreement requirements and is installed in accordance with manufacturer's specifications.	<p>The Independent Reviewer has received from the Contractor all quality documentation (including compliance and field testing documentation), and the Contractor has confirmed to the Independent Reviewer's reasonable satisfaction that all lighting is in accordance with the Project Agreement requirements and the manufacturer's specifications, including with respect to levels of illumination.</p> <p>The Independent Reviewer has undertaken a visual night inspection and confirmed to its reasonable satisfaction that all lights are operational and have achieved the desired level of illumination, in accordance with the Project Agreement requirements.</p>	x			x
17.2	All electrical works comply with all current legislation.	The Contractor has undertaken all electrical work in compliance with all current legislation.	The Independent Reviewer has received evidence from the Contractor that confirms to the Independent Reviewer's reasonable satisfaction that the electrical works have been certified by a suitably qualified person in accordance with the applicable statutes, Regulations and Codes of Practice, and in particular the Electricity Act and Health and Safety in Employment Act 1992 and all Regulations, Codes of Practice recognised under those statutes, including but not limited to the NZ Electricity Code of Practice, AS/NZS3000, Electrical (Safety) Regulations, and Registered Utility Operators Codes and the Code.	x			
18	Compliance with overweight and over-dimension vehicle requirements						
18.1	The P2Wk Roads and existing SH1 carriageway affected by the P2Wk Project works are suitable for use by Overweight	The Contractor has constructed the P2Wk Project so that the P2Wk Roads and existing SH1 carriageway affected by the P2Wk Project works are suitable for use by overweight and	The Independent Reviewer has access to the Final Design Documentation and QA documentation detailing the location/extent of the Over-dimension Route, and demonstrating that the required overdimension clearance envelope (excluding road safety barrier systems) has been provided, and the Contractor has confirmed to the Independent Reviewer's reasonable satisfaction, including through	x			x

WCT	Description of Works Completion Test	Acceptance Criteria	Independent Reviewer requirements to ascertain whether Acceptance Criteria met	Independent Reviewer Action (as described in General section above)			
				1	2	3	4
	Loads and Over-dimension Loads and as an Over-dimension Route in accordance with the Project Agreement requirements.	overdimension vehicles and as an Over-dimension Route in accordance with the Project Agreement requirements.	visual inspection of a representative sample by the Independent Reviewer, that the Over-dimension Route has been provided in accordance with the Final Design Documentation and that the required clearance envelope has been achieved.				
19	Compliance with HPMV requirements						
19.1	The P2Wk Roads are suitable for use by HPMVs in accordance with the Project Agreement requirements.	The Contractor has constructed the P2Wk Roads so that they are suitable for use by HPMVs in accordance with the Project Agreement requirements.	The Independent Reviewer has access to Final Design Documentation including tracking curves for critical turning movements demonstrating that the required vehicle travelling at 20kph can undertake the movement (which may track into a flush median or adjacent lane but may not enter the opposing lane and will meeting all minimum clearances to kerbs and road furniture) and the Contractor has confirmed to the Independent Reviewer's reasonable satisfaction including through visual inspection of a representative sample by the Independent Reviewer that the required vehicle can safely undertake the movement in accordance with the Project Agreement requirements.	x			x
20	Compliance with road safety barrier system requirements						
20.1	All road safety barrier systems have been constructed in accordance with Project Agreement requirements.	The Contractor has constructed all road safety barrier systems in accordance with the Project Agreement requirements.	The Independent Reviewer has received from the Contractor quality records demonstrating that the road safety barrier systems on the P2Wk Roads (including interchanges) comply with the Project Agreement requirements. The Independent Reviewer has visually inspected a representative sample of road safety barrier systems to confirm to its reasonable satisfaction that the road safety barrier systems meet the Final Design Documentation.	x			x

WCT	Description of Works Completion Test	Acceptance Criteria	Independent Reviewer requirements to ascertain whether Acceptance Criteria met	Independent Reviewer Action (as described in General section above)			
				1	2	3	4
21	Compliance with utilities requirements						
21.1	The National Code of Practice for Utility Operators' Access to Transport Corridors has been complied with.	The Contractor has complied with the National Code of Practice for Utilities Access to the Transport Corridor, and any non-conformances have been rectified appropriately.	The Independent Reviewer has reviewed evidence submitted from the Contractor to the Transport Agency and confirmed to its reasonable satisfaction that the Contractor has complied with all of its obligations under the National Code of Practice for Utilities Access to the Transport Corridor (and that any previous non-conformances have been rectified appropriately).	x			
21.3	All utilities infrastructure on the P2Wk Project Site meets the Project Agreement requirements.	The Contractor has constructed all utilities infrastructure on the P2Wk Project Site in accordance with the Project Agreement requirements.	The Independent Reviewer has received the Final Design Documentation and associated quality records, and the Contractor has confirmed to the Independent Reviewer's reasonable satisfaction that the utilities for the P2Wk Project have been constructed in accordance with the Final Design Documentation and the Project Agreement requirements.	x			
21.4	The Transport Agency utility ducts and chambers have been constructed in accordance with the Project Agreement requirements.	The Contractor has constructed the P2Wk Project so that it includes the Transport Agency ducts and chambers that are required under the Project Agreement requirements.	The Independent Reviewer has received the quality records and has undertaken a representative sample of visual inspections of the ducts and chambers, and has confirmed to its reasonable satisfaction that the Transport Agency ducts and chambers comply with the Project Agreement requirements, including that ducts are to shape, are continuous, have suitable draw wires, and that covers to chambers are appropriately fastened and secure.	x			x

WCT	Description of Works Completion Test	Acceptance Criteria	Independent Reviewer requirements to ascertain whether Acceptance Criteria met	Independent Reviewer Action (as described in General section above)			
				1	2	3	4
22	Compliance with signs, delineation and pavement marking requirements						
22.1	All signs, delineation and pavement markings have been provided in accordance with the Project Agreement requirements.	The Contractor has erected and included in the P2Wk Project all signs, delineation and pavement markings in accordance with the Project Agreement requirements.	The Independent Reviewer has received and reviewed QA records and has confirmed to its reasonable satisfaction, including a representative sample of visual inspections that the signs have been erected and markings have been undertaken in accordance with the manufacturer's specifications and Final Design Documentation.	x			x
23	Compliance with pedestrian and cyclist requirements						
23.1	The P2Wk Project includes pedestrian and cyclist facilities that comply with the Project Agreement requirements.	The Contractor has constructed pedestrian and cyclist facilities in accordance with the Project Agreement requirements.	The Independent Reviewer has received the Final Design Documentation and associated quality records, and the Contractor has confirmed to the Independent Reviewer's reasonable satisfaction and the Independent Reviewer has undertaken sufficient visual inspections and QA audits to confirm that the pedestrian and cyclist facilities have been constructed in accordance with the Final Design Documentation.	x			x
24	Compliance with location referencing requirements						
24.1	The P2Wk Project complies with the location referencing requirements set out in the Project Agreement.	The Contractor has provided location referencing for the P2Wk Project in accordance with the Project Agreement requirements.	The Independent Reviewer has received the Final Design Documentation and associated quality records, and the Contractor has confirmed to the Independent Reviewer's reasonable satisfaction that the location referencing for the P2Wk Project has been provided in accordance with the Project Agreement requirements.	x			x

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				1	2	3	4
25	Compliance with pavements and surfacing requirements						
25.1	The subgrade provides, and will continue to provide, a minimum CBR value in accordance with the Final Design Documentation.	The Contractor has provided subgrade that provides, and will continue to provide, a minimum CBR value in accordance with the Final Design Documentation.	Pursuant to the provisions relating to Contractor Hold Point tests set out in the Inspection and Test Plan, the Independent Reviewer has received the Finalised Inspection Test Plan and QA records for Pavements and Surfacing, and through representative review of the quality records, and witnessed a representative sample of tests and has confirmed to its reasonable satisfaction that the Finalised test plans have been implemented and acceptance criteria achieved and that the subgrade has been constructed in accordance with the Final Design Documentation.	x			
25.2	The P2Wk Project uses suitable pavement materials and has suitable pavement construction quality to meet the Project Agreement requirements.	The Contractor has utilised suitable pavement materials and suitable pavement construction quality to meet the Project Agreement requirements.	Pursuant to the provisions relating to Contractor Hold Point tests set out in the Inspection and Test Plan, the Contractor has provided a copy of the Finalised Inspection and Test Plan and Process Control Plan for Pavements and Surfacing with evidence to demonstrate that the plans have been implemented. The Independent Reviewer has checked all quality assurance records for all pavement material lots and confirmed compliance to its reasonable satisfaction, prior to pavement construction.	x			
			Pursuant to the provisions relating to Contractor Hold Point tests set out in the Inspection and Test Plan, the Independent Reviewer has witnessed a representative sample of construction quality tests on pavement lengths and layers, and confirmed compliance to its reasonable satisfaction.	x			

WCT	Description of Works Completion Test	Acceptance Criteria	Independent Reviewer requirements to ascertain whether Acceptance Criteria met	Independent Reviewer Action (as described in General section above)			
				1	2	3	4
25.3	The P2Wk Project pavements have achieved compaction during construction that is sufficient to ensure achievement of the properties specified for each layer in the Final Design Documentation.	The Contractor has achieved compaction during construction that is sufficient to ensure achievement of the properties specified for each layer in the Final Design Documentation.	<p>Pursuant to the provisions relating to Contractor Hold Point tests set out in the Inspection and Test Plan, the Independent Reviewer has received the Finalised Inspection and Test Plan and QA records for Pavements and Surfacing and through:</p> <p>(a) review of a representative sample of the quality assurance records relating to pavement lengths and layers; and</p> <p>(b) witnessing a representative sample of tests on pavement lengths and layers,</p> <p>has confirmed to its reasonable satisfaction that compaction requirements have been achieved in accordance with the Final Design Documentation and Project Agreement requirements prior to construction of the next layer.</p>	x			
25.4	The P2Wk Project pavements moisture content has been managed, in each layer, during Works Provisioning, meets the Project Agreement requirements, and has been checked by the Independent Reviewer prior to surfacing.	The Contractor has monitored, recorded and managed the moisture content of the pavement layers throughout Works Provisioning in accordance with the Project Agreement requirements.	The Independent Reviewer has received the Finalised Inspection Test Plan and QA records and, through review of a representative sample of the quality records, has confirmed to its reasonable satisfaction that the moisture content for any areas of unbound granular pavement prior to chip sealing is in accordance with the Final Design Documentation and Project Agreement requirements.	x			

WCT	Description of Works Completion Test	Acceptance Criteria	Independent Reviewer requirements to ascertain whether Acceptance Criteria met	Independent Reviewer Action (as described in General section above)			
				1	2	3	4
25.5	Surface shape of all traffic lanes and all shoulders meets the Project Agreement requirements.	The Contractor has provided a surface shape of all traffic lanes and all shoulders that meets the Project Agreement requirements.	<p>The Independent Reviewer has received of the Finalised Inspection Test Plan and QA records and through representative review of the quality records, and witnessed a representative sample of tests and has confirmed to its reasonable satisfaction that the pavement surface and rut depth have been achieved in accordance with the Project Agreement requirements.</p> <p>The Independent Reviewer will undertake visual inspections of surface shape for representative samples of the road surface prior to Works Completion to confirm to its reasonable satisfaction that the Project Agreement requirements for surface shape and rut depth have been met. In particular the surface shape must be such that:</p> <ul style="list-style-type: none"> a) There must be no obvious defects related to poorly constructed longitudinal or transverse joints. b) No area of the completed surface has any depressions that will allow water to pond. c) No visible cracking. 	x			x
25.6	Roughness of the carriageways complies with the Project Agreement requirements.	The Contractor has provided confirmation that the roughness of the carriageways complies with the Project Agreement requirements.	The Independent Reviewer has reviewed the Finalised Inspection and Test Plan and test data and witnessed a sample of NAASRA tests recorded after completion of the wearing course prior to Works Completion, and confirmed to its reasonable satisfaction that the roughness of the carriageways is in accordance with the Project Agreement requirements.	x		x	

WCT	Description of Works Completion Test	Acceptance Criteria	Independent Reviewer requirements to ascertain whether Acceptance Criteria met	Independent Reviewer Action (as described in General section above)			
				1	2	3	4
25.7	There are no potholes in the pavement surfacing or formed shoulders, and no edge break or seal loss encroaching into the surfacing.	The Contractor has provided pavement surfacing throughout the P2Wk Project that has no potholes in the pavement surfacing or formed shoulders, and no edge break or seal loss encroaching into the surfacing.	The Independent Reviewer has undertaken a representative sample of visual inspections of the road surface prior to Works Completion to confirm to its reasonable satisfaction that this WCT has been met.				x
26	Compliance with Bridges and Major Culverts requirements						
26.1	The Bridges and Major Culverts for the P2Wk Project have been constructed in accordance with the Project Agreement requirements and RMA Conditions.	The Contractor has constructed the Bridges and Major Culverts for the P2Wk Project in accordance with the Project Agreement requirements, RMA Conditions and the Final Design Documentation.	The Independent Reviewer has received Final Design Documentation, including Overweight Vehicle conditions of Operation, associated quality records (including materials storage, handling and maintaining), and the Contractor has confirmed to the Independent Reviewer's reasonable satisfaction that the P2Wk Project has been constructed in accordance with the Final Design Documentation, including design provisions for the construction loadings.	x			
			The Independent Reviewer has observed a representative sample of construction traffic traversing Bridges and has received evidence from the Contractor that estimated resultant loadings reconcile with design provisions made for construction traffic.				x
			The Independent Reviewer has undertaken a visual inspection of all completed Bridges to check for any signs of early fatigue or defective workmanship, and that any corrective actions have been satisfactorily completed.				x
			The Independent Reviewer has access to all surface preparation, proposed protective coatings, application, transportation and testing records in accordance with AS/NZS 2312 and confirmed by	x			

WCT	Description of Works Completion Test	Acceptance Criteria	Independent Reviewer requirements to ascertain whether Acceptance Criteria met	Independent Reviewer Action (as described in General section above)			
				1	2	3	4
			representative sampling that to its reasonable satisfaction the records are complete and accurate.				
26.2	Piles have been constructed in accordance with the Project Agreement	The Contractor has constructed all piles in accordance with the Final Design Documentation.	The Independent Reviewer has access to completed construction records for each pile installed, and confirmed by representative sampling to its reasonable satisfaction that the records are complete and accurate.	x			
	requirements.	The Contractor has a complete and accurate construction record for every pile installed, including details of materials, practices and testing that comply with the requirements of current AS/NZS standards for pile installation, including test piles.	The Independent Reviewer has access to all pile compliance requirements, including test piles, and confirmed by representative sampling that to its reasonable satisfaction the records are complete and accurate. The Independent Reviewer has witnessed at least one pile being installed for each Bridge, and can reconcile the pile records provided with that of the pile observed.	x		x	
27	Compliance with Environmental Management Works Requirements						
27.1	The P2Wk Project works have been constructed in accordance with the Outline Plan.	The Contractor has constructed the P2Wk Project works in accordance with the Outline Plan.	The Independent Reviewer has received evidence provided by the Contractor to the Transport Agency that Auckland Council has confirmed that construction has been completed in accordance with the Outline Plan.		x		

WCT	Description of Works Completion Test	Acceptance Criteria	Independent Reviewer requirements to ascertain whether Acceptance Criteria met	Independent Reviewer Action (as described in General section above)			
				1	2	3	4
28	Compliance with Greenroads™ requirements						
28.1	P2Wk Project will achieve a Silver certification in terms of Greenroads™ assessment by the Greenroads Foundation.	The Contractor has designed and constructed the P2Wk Project so that it will obtain a Silver certification from the Greenroads™ Foundation.	The Contractor has provided evidence to the Independent Reviewer from the Greenroads™ Foundation that the P2Wk Project will achieve Silver certification.	x			
29	Compliance with drainage requirements						
29.1	The drainage for the P2Wk Project has been constructed in accordance with the Project Agreement requirements and the RMA Conditions.	The Contractor has constructed the drainage for the P2Wk Project in accordance with the Project Agreement requirements, RMA Conditions and the Final Design Documentation.	<p>The Independent Reviewer has received Final Design Documentation and associated quality records, and the Contractor has confirmed to the Independent Reviewer's reasonable satisfaction that the drainage for the P2Wk Project has been constructed in accordance with the Final Design Documentation and the RMA Conditions.</p> <p>The Independent Reviewer has undertaken a visual inspection of a representative sample of the drainage system and confirmed to its reasonable satisfaction that storm water runoff is collected from the road surface and surrounding topography and transferred to transverse drainage systems without impacting adjacent slopes.</p> <p>The Independent Reviewer has undertaken a visual inspection of a representative sample of the key drainage elements, in particular those on cut slopes, and confirmed to its reasonable satisfaction that they are free of debris is operating as intended without affecting adjacent slopes and that observed if there are any signs of slope erosion or slips that could impinge on the intended operation of the Drainage System and where any are observed, that appropriate mitigation measures are in place in each case and that there are no defects, anomalies or early</p>	x		x	x

WCT	Description of Works Completion Test	Acceptance Criteria	Independent Reviewer requirements to ascertain whether Acceptance Criteria met	Independent Reviewer Action (as described in General section above)			
				1	2	3	4
			signs of fatigue.				
29.2	The stream diversion(s) have been executed in accordance with the Project Agreement requirements and RMA Condition RC52.	The Contractor has constructed a stream diversion solution that will achieve the design working life in accordance with the Project Agreement requirements and the RMA Conditions.	The Independent Reviewer has received the Final Design Documentation, and has confirmed by way of visual inspection of a representative sample to the Independent Reviewer's reasonable satisfaction that the stream diversions are in compliance with the Final Design Documentation and the RMA Conditions.	x			x
29.3	All Culverts and drainage structures comply with the Project Agreement requirements and the RMA Conditions.	The Contractor has constructed all Culverts and drainage structures in compliance with the Project Agreement requirements.	The Independent Reviewer has access to all material inspection and drainage installation data which confirms that all materials/pre cast structures conform to the relevant NZ standard in relation to bedding, backfill, pipes, joint and leakage, manholes, headwalls, sumps and all other drainage materials/structures.	x			
29.4	All proprietary drainage products have been installed in accordance with the manufacturer's specifications.	The Contractor has installed all proprietary products in accordance with the manufacturer's specifications.	The Independent Reviewer has access to data and has confirmed to its reasonable satisfaction by visual inspection that all proprietary products have been installed in accordance with the manufacturer's specifications.	x			
29.5	All rock rip-rap and scour protection measures are in accordance with the Project Agreement requirements.	The Contractor has provided all rock rip-rap, and other scour protection works, meeting the required quality and durability and performance requirements in accordance with the Project Agreement requirements.	The Independent Reviewer has access to all QA documentation, and the Contractor has confirmed to the Independent Reviewer's reasonable satisfaction (including by the Independent Reviewer undertaking visual inspection) that all works are complete and are in accordance with the Final Design Documentation and the Project Agreement requirements.	x			x

WCT	Description of Works Completion Test	Acceptance Criteria	Independent Reviewer requirements to ascertain whether Acceptance Criteria met	Independent Reviewer Action (as described in General section above)			
				1	2	3	4
30	Compliance with Third Party Property Agreements						
30.1	All works required under the Third Party Property Agreements are complete.	The Contractor has completed all works required under the Third Party Property Agreements.	The Independent Reviewer has received the Third Party Property Agreement Register and confirmation from the Contractor to the Independent Reviewer's reasonable satisfaction that all works within each of the Third Party Property Agreements have been completed.	x			
		The Contractor has prepared a Third Party Property Agreement Register that provides details of all works required under each Third Party Property Agreement, together with details and records demonstrating that the works have been completed to the required standard and to the reasonable satisfaction of the relevant third party property owner.	The Independent Reviewer has inspected a representative sample of works under the Third Party Property Agreements and the Contractor has confirmed to the Independent Reviewer's reasonable satisfaction that these works have been completed in accordance with the Third Party Property Agreements or the Works Requirements, as applicable.				x
31	Compliance with Construction requirements						
31.1	The SafeStat website has been updated in accordance with the Project Agreement requirements.	The Contractor has updated the SafeStat website with health and safety data from Contractor's operations from construction start until Service Commencement.	The Contractor confirms to the Independent Reviewer's reasonable satisfaction that the SafeStat website has health and safety data from Contractor's operations from construction start until Service Commencement.	x			

WCT	Description of Works Completion Test	Acceptance Criteria	Independent Reviewer requirements to ascertain whether Acceptance Criteria met	Independent Reviewer Action (as described in General section above)			
				1	2	3	4
32	Continued compliance						
32.1	Where staged Works Completion has been achieved with respect to any element or section prior to the overall Works Completion, such elements and sections continue to meet the requirements of the Works Completion Tests at the date the Works Completion Certificate is issued.	The Independent Reviewer has confirmed to its reasonable satisfaction that all such elements and sections continue to meet the requirements of the Works Completion Tests. This may include through re-test, inspection, review of maintenance documentation and any other method the Independent Reviewer considers appropriate.		x	x	x	x

Appendix B: Close-out Tests

COT	Description of Close-out Test	Acceptance Criteria	Independent Reviewer/Transport Agency requirements to ascertain whether Acceptance Criteria met	Independent Reviewer Action (as described in General section above)			
				1	2	3	4
1	All Code Compliance Certificates required with respect to the P2Wk Project are in place.	The Contractor has obtained all Code Compliance Certificates required with respect to the P2Wk Project.	The Contractor has provided to the Independent Reviewer a copy of all required and current "Code Compliance Certificates" relating to the P2Wk Project and the Independent Reviewer has reviewed the documentation and is satisfied that it is accurate and complete and that it has been signed by an authorised Local Authority representative.	x			
2	A legal survey is completed using a registered surveyor to finalise the boundaries of the P2Wk Operating Site in accordance with the Project Agreement requirements.	<p>The Contractor has undertaken the legal survey as required by Part 4 (P2Wk Operating Site and Return of Surplus Land) of Schedule 5 (Property).</p> <p>The legal survey must be completed by an appropriately qualified surveyor and cadastral plans produced in a format suitable for legalisation, including formalisation of all easements and rights of way pertaining to each individual parcel, or amalgamated parcels of land.</p>	The Independent Reviewer is presented with documentary evidence to his reasonable satisfaction that all legal surveys have been completed by the Contractor and the legal boundaries have been finalised by the Transport Agency.	x			x
3	Surplus Land has been Returned to the Transport Agency in accordance with the Project Agreement	The Contractor has ensured all land to be Returned has met the requirements set out in Part 4 (P2Wk Operating Site and Return of Surplus Land) of	The Contractor has provided evidence and the Independent Reviewer has confirmed to its reasonable satisfaction, including by way of visual inspections, that each parcel of Surplus Land has been returned in accordance with the Project Agreement requirements	x			x

COT	Description of Close-out Test	Acceptance Criteria	Independent Reviewer/Transport Agency requirements to ascertain whether Acceptance Criteria met	Independent Reviewer Action (as described in General section above)			
				1	2	3	4
	requirements.	Schedule 5 (Property).	<p>by the Planned Close-out Date and in accordance with the specific Close-out Tests, including:</p> <ul style="list-style-type: none"> (a) compliance with the RMA Conditions; (b) compliance with all Disclosed Title Matters applicable to the land; (c) the physical condition of the land; (d) remediation of any former construction yards or cut and/or fill sites; (e) removal and suitable disposal of contamination, demolition materials, temporary fences, areas of temporary or redundant seal, surplus building materials, trash, litter and rubbish; (f) fencing standard and requirements (if any); (g) removal of temporary structures; (h) removal of temporary access ways; (i) reinstatement of all access ways, tracks, farming related infrastructure (water supplies, troughs, cattle stops, etc) and drainage paths; and (j) in the case of any areas which have been used for the deposition of spoil, soil categorisation of the materials deposited and appropriate contamination 				

COT	Description of Close-out Test	Acceptance Criteria	Independent Reviewer/Transport Agency requirements to ascertain whether Acceptance Criteria met	Independent Reviewer Action (as described in General section above)			
				1	2	3	4
			tests, as built records with respect to any sub surface drainage or other permanent infrastructure and details on the required ongoing maintenance regime (if any).				
4	The P2Wk Project complies with all RMA Conditions.	The Contractor has complied with all RMA Conditions.	The Contractor has provided to the Independent Reviewer evidence that confirms compliance from Auckland Council.	x			
5	CS-VUE (or an equivalent consent compliance database approved by the Transport Agency) has been updated.	The Contractor has updated CS-VUE (or an equivalent consent compliance database approved by the Transport Agency).	The Contractor has confirmed to the Independent Reviewer's reasonable satisfaction that CS-VUE (or an equivalent consent compliance database approved by the Transport Agency) has been updated, and that update is complete and accurate.	x			
6	All as-built drawings have been provided to the Transport Agency in accordance with the Project Agreement requirements.	The Transport Agency has been provided with a complete set of as-built drawings.	The Independent Reviewer has received evidence of transmittal to the Transport Agency of a complete set of certified as-built drawings, and confirmed to its reasonable satisfaction, including via visual inspection, that they are complete, accurate and in accordance with paragraph 1 below (As Built Drawings) of this Appendix B.	x	x		x
7	All required planting has been established in accordance with the RMA Conditions and Project Agreement requirements.	The Contractor has established, maintained, monitored and replaced (as required) all required planting in accordance with the requirements of the RMA Conditions and the Close-out Plan.	The Contractor has provided evidence and confirmed to the Transport Agency's reasonable satisfaction that evidence of compliance from Auckland Council has been received.	No Independent Reviewer action			

COT	Description of Close-out Test	Acceptance Criteria	Independent Reviewer/Transport Agency requirements to ascertain whether Acceptance Criteria met	Independent Reviewer Action (as described in General section above)			
				1	2	3	4
8	All post-construction ecological monitoring for the period until the date that is 12 months after Service Commencement has been completed in accordance with the RMA Conditions and Project Agreement requirements.	The Contractor has completed post-construction ecological monitoring and any necessary actions arising out of review processes in accordance with the requirements of the RMA Conditions.	The Contractor has provided evidence and confirmed to the Independent Reviewer's reasonable satisfaction that, for the 12 month period following Service Commencement, evidence of compliance from Auckland Council has been received.	x			

1. As-built drawings

The Contractor must provide to the Transport Agency all as-built drawings and inventory information, including:

- (a) one complete set of AutoCAD (or equivalent vector drawing software as agreed by the Transport Agency) files including all associated files; and
- (b) one complete set of un-editable, interactive Adobe PDF files exported from the CAD As-Built Drawings, to serve as a read-only set for viewing, downloading and printing by users of the Transport Agency As-Built System, with the first drawing/s on the disk to be a full drawing list and denoted as such,

and all as-built drawings must:

- (c) be provided in a format compatible with the relevant Transport Agency databases;
- (d) comply with the relevant AS/NZS series 1100 standard on technical drawing;
- (e) be labelled with a unique file name, including both the Transport Agency project name and a unique drawing number or code used to reference the drawing, with all components of the filename to be upper case and separated by underscores;
- (f) show the sizes, dimensions, locations and materials of all parts of the P2Wk Project (including all utilities);
- (g) be prepared using the same co-ordinate system and datum as the consented scheme design;
- (h) include a correctly positioned and labelled grid on all plan drawings, with the units of measure clearly labelled in metres or millimetres;
- (i) where possible, be layered to allow a smooth transition from CAD to GIS;
- (j) group all similar features accordingly, for example lighting, drainage, signage, road markings, utility services, Bridge details;
- (k) show all finished ground surfaces beyond the completed permanent works for all P2Wk Project Land, including all landscape fills, waste disposal areas, borrow areas, and reinstated temporary facility areas; and
- (l) include the following document attributes in a tabular format:

Name	Description	Example
Project Name	The name of the project for which this document was generated	P2WKPPP
State highway	The State highway on which the asset is located	
Reference Station (RS)	Location Reference that is associated with the drawing	

Name	Description	Example
Route Position (RP)	Location Reference that is associated with the drawing. Distance from the preceding RS	
Asset Type	Type of Asset	
Asset ID	For bridge structures this will be the Bridge Structure Identifier, as recorded in the Transport Agency's Bridge Descriptive System	
Asset No.	For bridge structures, this will be the Bridge Structure Number, as posted on the road and recorded in the Bridge Data System	
Asset Name	The name of the asset (mandatory for structures)	
Filename	Filename of the document as on the supplied disc provided, using the same format	
Location Name	Description of the location e.g., river name	
Document Type	The nature of the As-Built document, e.g., Drawing, Technical Report	
Document Title	The name of the document	
Document Number	The number or code given to this document e.g., drawing number	
Document Date	The date on which a document was released (not necessarily the same date on which it was loaded into the repository)	
Sheet Number	Where a drawing has more than one sheet this is the sheet number	
Document Revision	For drawings this should state "AB" for As-Built	
Application Type and Version	The application and version that was used to create the document	
Consultant	The name of the consulting organisation that generated the document	
Consultant Town	The office from which the document originated	Auckland
IP Owner	The owner of the copyright for the document	Transport Agency