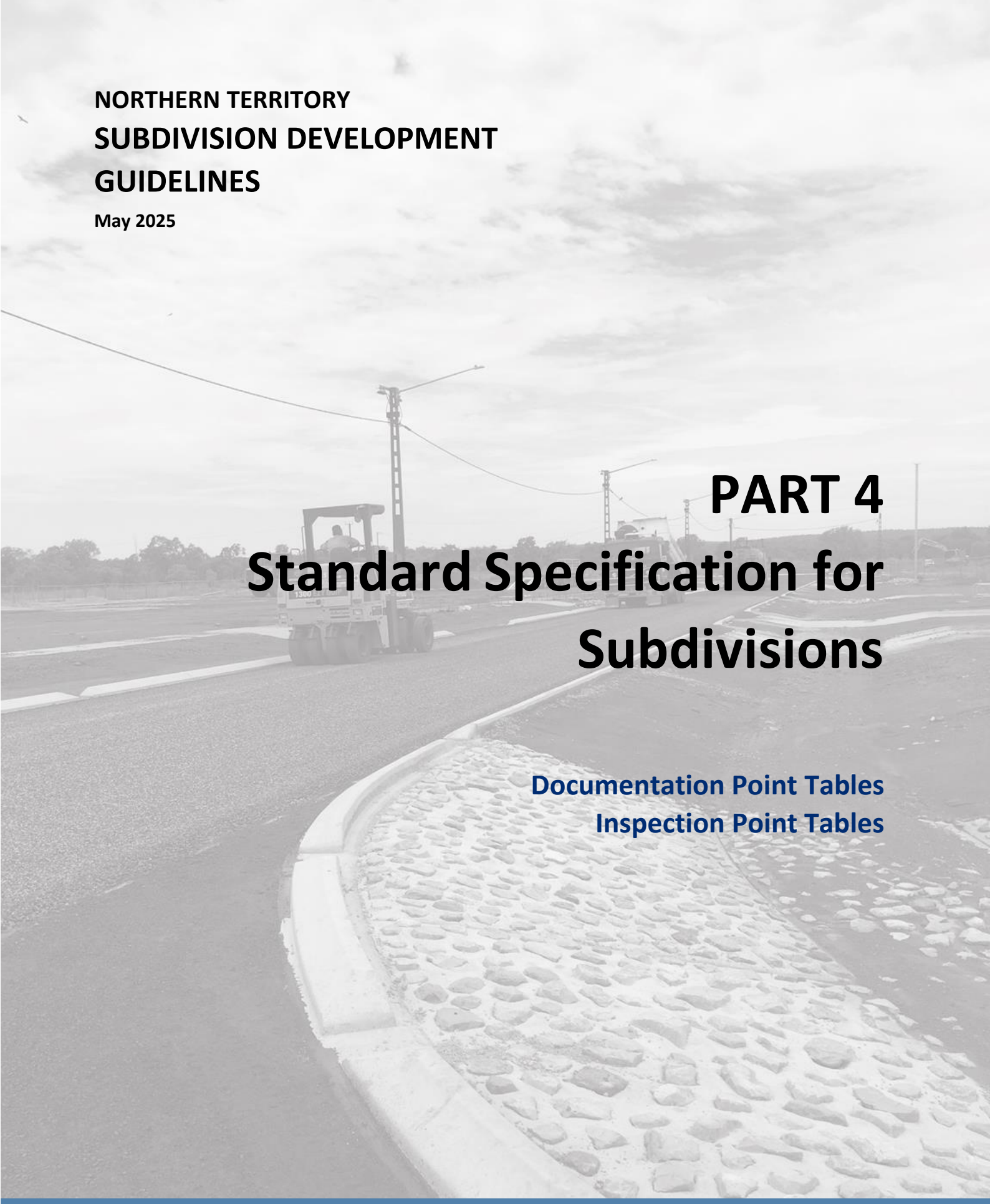
NORTHERN TERRITORY

SUBDIVISION DEVELOPMENT GUIDELINES

May 2025



PART 4
Standard Specification for Subdivisions

Documentation Point Tables
Inspection Point Tables

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Introduction

The Standard Specification for Subdivisions provides best practice construction standards for important Public Infrastructure and sets out the minimum standards required by Relevant Authorities to facilitate clearance of Development Permit conditions. This includes stipulating requirements for documentation to be submitted (Documentation Points) as well as inspections to be undertaken (Inspection Points), which are summarised in the attached tables.

Use of this Document

Prior to commencing the Development Works on the Development Site, the Developer and Relevant Authority must use the attached tables to agree on whether each Documentation Point and Inspection Point is to be considered a Hold Point or Witness Point for both the Relevant Authority and the Certifying Engineer. Once confirmed, this will inform the development of Inspection Test Plans (ITPs) for the Development Works.

The nomination of formal Documentation Points and Inspection Points does not absolve the Developer of their responsibility to implement their own Project Controls and Quality Assurance plans to ensure the Development Works is conforming to all necessary requirements. It is expected that the Developer will employ Quality Management personnel and undertake their own internal Witness Points and Hold Points, beyond that required by these tables. It is also expected that the Developer will undertake their own internal inspections to confirm conformance prior to requesting attendance at Inspection Points from the Relevant Authority and/or Certifying Engineer.

The nominated Documentation Points and Inspection Points do not address all requirements for Conformance Testing, where specified in the Standard Specification. The Developer must ensure that all necessary Conformance Testing is identified in the ITPs and delivered to the Certifying Engineer for Certification of the Development Works.

Definitions

Documentation Point	means any stage of the Development Works identified in Table A as a point at which certain documentation is required to be submitted. Each Documentation Point will also be either a Hold Point or a Witness Point as indicated in Table A.
Hold Point (HP)	means any Documentation Point where documentation must be submitted and the relevant Development Works must not proceed until written approval is provided. means any Inspection Point where a physical inspection must be undertaken and the relevant Development Works must not proceed until written approval is provided.
Inspection Point	means any stage of the Development Works identified in Table B as a point at which a physical inspection of the relevant Development Works may be required. Each Inspection Point will also be either a Hold Point or a Witness Point, as indicated in Table B.
Witness Point (WP)	means any Documentation Point where documentation must be submitted and the relevant Development Works may proceed subject to any notice to the contrary. means any Inspection Point where an opportunity to inspect the Development Works must be given.

Hold Points

(a) For each Documentation Point that is also a Hold Point:
  (i) the Developer must:
    a. provide the relevant documentation to the Relevant Authority and/or Certifying Engineer (as applicable) for approval;
    b. not proceed with any Development Works relevant to the documentation until the Relevant Authority and/or Certifying Engineer (as applicable) provides written approval to proceed.
  (ii) the Relevant Authority and/or Certifying Engineer (as applicable) must review the relevant documentation and, at the earliest practicable opportunity, provide a written approval to proceed with the Development Works or a written response setting out any variations or modifications to the documentation required before approval to proceed will be given (in which case clauses (a)(i) and (a)(ii) will apply again).

(b) For each Inspection Point that is also a Hold Point:
  (i) the Developer must;
    a. provide not less than 2 Business Days prior written notice to the Relevant Authority and/or Certifying Engineer (as applicable); and
    b. not proceed with any subsequent works that would conceal or otherwise render those works incapable of inspection, amendment or correction until the Relevant Authority and/or Certifying Engineer (as applicable) provides written approval to proceed.
  (ii) After receiving notice from the Developer, the Relevant Authority and/or Certifying Engineer (as applicable) must:
    a. undertake an inspection of the relevant Development Works at the earliest practicable opportunity;
    b. provide a written approval to proceed with the Development Works or a written response setting out any variations, modifications or further works required before approval to proceed will be given (in which case clauses (b)(i) and (b)(ii) will apply again).
  (iii) The Developer and the Relevant Authority and/or Certifying Engineer must all make best endeavours to facilitate, and must not unreasonably delay, the inspection.

Witness Points

(a) For each Documentation Point that is also a Witness Point, the Developer:
  (i) must provide the relevant documentation to the Relevant Authority and/or Certifying Engineer (as applicable);
  (ii) may proceed with the Development Works relevant to the documentation subject to any notice issued by the Relevant Authority and/or Certifying Engineer to the contrary.

(b) For each Inspection Point that is also a Witness Point:
  (i) the Developer:
    a. must provide not less than 2 Business Days prior written notice to the Relevant Authority and/or Certifying Engineer (as applicable); and
    b. if the Relevant Authority and/or Certifying Engineer (as applicable) provides notice that it intends to undertake an inspection, must not proceed with any subsequent works that would conceal or otherwise render those works incapable of inspection, amendment or correction until the Relevant Authority and/or Certifying Engineer (as applicable) provides written approval to proceed; or
    c. if the Relevant Authority and/or Certifying Engineer (as applicable) provides notice that it does not intend to undertake an inspection, must provide the Relevant Authority and/or Certifying Engineer (as applicable) with detailed photographic evidence of the relevant Development Works and may thereafter proceed with subsequent works.

(iii) After receiving notice from the Developer, the Relevant Authority and/or Certifying Engineer (as applicable) must give notice to the Developer that it;

a. intends to undertake a physical inspection of the relevant Development Works; or
b. does not intend to undertake a physical inspection of the relevant Development Works.

(iv) Where the Relevant Authority and/or the Certifying Engineer elects to undertake an inspection of the relevant Development Works, the Developer and the Relevant Authority and/or Certifying Engineer (as applicable) must all make best endeavours to facilitate, and must not unreasonably delay, the inspection.

Precedence

In the event of an inconsistency, conflict, discrepancy, error, or omission between or among the provisions of these Documentation and Inspection Point Tables and the Standard Specification for Subdivisions or Project Specific Requirements, the Developer must immediately notify the Relevant Authority for direction on how to remedy such inconsistency, conflict, discrepancy, error, or omission.

TABLE A - DOCUMENTATION POINTS

DOCUMENTATION POINTS				HOLD POINT / WITNESS POINT REQUIREMENTS		
ID	**Clause No.**	**Clause Heading**	**Description**	**Relevant Authority**	**Certifying Engineer**	**Comments**
Documentation Point 1	1.2.1	Miscellaneous Provisions - Environmental Management - Construction Environmental Management Plan	The Developer must submit a Construction Environmental Management Plan for approval by the Relevant Authority, prior to establishment and commencement of work on site.			
Documentation Point 2	1.3	Miscellaneous Provisions - Inspection Test Plans	Submit Inspection Test Plans (ITPs), detailing all procedures and test plans to be undertaken to complete the Development Works, before commencing the Development Works.			
Documentation Point 3	1.4	Miscellaneous Provisions - Dilapidation Survey	Submit a copy of the Dilapidation Report prior to commencing the Development Works.			
Documentation Point 4	1.5.1	Miscellaneous Provisions - Permits - Permit to Work in a Road Reserve	Obtain all necessary permits to work in Road Reserves prior to commencement of relevant Development Works.			
Documentation Point 5	1.5.2	Miscellaneous Provisions - Permits - Permit to Interfere with a Waterway	Obtain all necessary Permits to Interfere with a Waterway prior to commencement of relevant Development Works.			
Documentation Point 6	1.5.3	Miscellaneous Provisions - Permits - Permit to Access Land for the Development works	Submit documentary evidence of having been granted the required permission to access the land to the Relevant Authority.			
Documentation Point 7	1.9	Miscellaneous Provisions - Borrow Pits	Obtain approval for use of Borrow Pits on land not owned by the Developer.			
Documentation Point 8	1.10	Miscellaneous Provisions - Explosives	Where explosives are proposed to be used on the Development Site, including for External Works, notify all owners of Adjacent Land a minimum of 10 Business Days prior to commencing blasting operations. Inspect and record the condition of all structures and services subject to possible effect by use of explosives before and after blasting operations.			
Documentation Point 9	1.10	Miscellaneous Provisions - Explosives	Obtain approval for the use of explosives for External Works prior to commencing blasting operations.			
Documentation Point 10	1.16	Miscellaneous Provisions - Work on Railway Sites	Obtain approval of the proposed work plan from the owner and operator of the rail system prior to commencing the relevant Development Works.			
Documentation Point 11	1.17	Miscellaneous Provisions - Work Near Traffic Counting Stations or Near Culweigh Stations	Obtain the location of traffic counting station cables prior to commencing any excavation, boring of holes, blasting, rock breaking, soil compaction or similar activity in the vicinity of traffic counter station detector loops or culweigh stations.			
Documentation Point 12	1.23	Miscellaneous Provisions - As-Constructed Drawings	Submit a procedure for approval for recording and submitting As-Constructed Drawings and associated information, prior to commencing the Development Works.			
Documentation Point 13	1.23	Miscellaneous Provisions - As-Constructed Drawings	Submit As Constructed Drawings and associated documentation in accordance with the Approved procedure.			

TABLE A - DOCUMENTATION POINTS

DOCUMENTATION POINTS				HOLD POINT / WITNESS POINT REQUIREMENTS		
ID	**Clause No.**	**Clause Heading**	**Description**	**Relevant Authority**	**Certifying Engineer**	**Comments**
Documentation Point 14	2.7.1	Provision for Traffic - Traffic Management Plans - Traffic Management Plan Design	Submit Traffic Management Plans (TMPs), including associated Traffic Guidance Schemes (TGS), prior to commencing the relevant Development Works.			
Documentation Point 15	2.7.4	Provision for Traffic - Traffic Management Plans - Traffic Control Amendments	Submit all amendments to the TMPs and TGS prior to implementation of any changes, unless there is an urgent need for amendments to mitigate hazards.			
Documentation Point 16	4.4.7	Earthworks – Earthworks in Fill - Placement of Fill other than Detention Basin Embankments	Submit Level 1 Inspection and Testing certification by a suitably qualified geotechnical engineer, in accordance with AS 3798, for all Allotment Fill to the Certifying Engineer.			
Documentation Point 17	4.4.8	Earthworks – Earthworks in Fill - Placement of Fill for Detention Basin Embankments	Submit Level 1 Inspection and Testing certification by a suitably qualified geotechnical engineer, in accordance with AS 3798, for all detention basin embankments to the Certifying Engineer. The certification must confirm that detention basin embankments are Fit For Purpose.			
Documentation Point 18	4.11.2	Earthworks - Conformance - Proof Rolling	Submit a proof rolling procedure prior to commencing relevant Development Works, including the proposed method of preparing the areas, the extent of proof rolling, and details of the plant and/or equipment proposed to be used.			
Documentation Point 19	4.11.3	Earthworks - Conformance - Conformance Testing	Submit evidence of Subgrade conformance prior to placing further materials.			
Documentation Point 20	5.6	Conformance Testing - Notice of Testing	Provide notification of failed Test Lots prior to any rework being undertaken.			
Documentation Point 21	6.3.3	Pavements and Shoulders - Construction of Pavement Layers - On-Formation Mixing and Placing	Where non-potable water supplies are used for pavements, submit evidence of required water quality of the proposed source.			
Documentation Point 22	6.5.1	Pavements and Shoulders - Pavement Acceptance - Pavement Acceptance Requirements	Obtain approval for Pavement and Shoulders acceptance prior to any surfacing work, including satisfying all requirements for: – Proof rolling – Conformance testing – Dry back – Final Pavement layer integrity – Surface roughness – Other tolerances For unsealed Pavements, obtain approval for Pavement conformance at conclusion of Pavement works			
Documentation Point 23	7.2.3	Stabilisation and Modification - Materials - Additives	Obtain approval for stabilisation and modification additive use.			

TABLE A - DOCUMENTATION POINTS

DOCUMENTATION POINTS				HOLD POINT / WITNESS POINT REQUIREMENTS		
ID	**Clause No.**	**Clause Heading**	**Description**	**Relevant Authority**	**Certifying Engineer**	**Comments**
Documentation Point 24	7.2.4	Stabilisation and Modification - Materials - Water	Where non-potable water supplies are used for stabilised and/or modified pavements, submit evidence of required water quality of the proposed source.			
Documentation Point 25	7.3.5	Stabilisation and Modification - In Situ Stabilisation - Binder Spreading	Obtain approval for binder field application rates in stabilised and/or modified pavements for each source material, prior to commencing stabilisation and/or modification works.			
Documentation Point 26	7.3.5	Stabilisation and Modification - In Situ Stabilisation - Binder Spreading	Obtain approval for bag spotting and spreading, prior to use in the relevant Development Works.			
Documentation Point 27	7.3.6	Stabilisation and Modification - In Situ Stabilisation - Binder Mixing	Obtain approval for the use of rotary hoes or graders to mix binders in small scopes of stabilisation and/or modification works.			
Documentation Point 28	7.3.7	Stabilisation and Modification - In Situ Stabilisation - Granular Modification	Obtain approval for the blending ratios of granular modified materials, based on laboratory testing.			
Documentation Point 29	8.3.1	Spray Sealing - Material Requirements - Aggregates	Submit current NATA endorsed test certificates providing evidence that the nominated Spray Seal aggregate supply conforms to specified properties.			
Documentation Point 30	8.8.2	Spray Sealing - Sampling of Binder - Binder Testing	Undertake Conformance Testing of all binders in accordance with Table 5-5 – Test Frequencies for Bitumen Spray Sealing. Provide notification of non-conforming samples.			
Documentation Point 31	8.12.3	Spray Sealing - Spraying - Application Spray Rates	Submit spray rates, prior to commencing Spray Seal application.			
Documentation Point 32	8.12.4	Spray Sealing - Spraying - Preparation for Sprayer Run	Submit copies of records of sprayer tank dips and temperatures of tank contents within one Business Day of the completion of a day’s work.			
Documentation Point 33	8.13	Spray Sealing - Application of Geofabric	Submit details of proposed machinery and method of application to the Certifying Engineer and Relevant Authority.			
Documentation Point 34	8.14.3	Spray Sealing - Application of Aggregate - Self-Propelled Multi Rubber Tyred Vibrating Rollers	Obtain approval for the use of self-propelled multi rubber tyred vibrating rollers in Spray Seal works prior to using them.			
Documentation Point 35	8.15	Spray Sealing - Waste Material	Obtain approval for use of rotary type brooms to windrow loose aggregate. Suction type brooms are still to be used to remove the waste aggregate.			

TABLE A - DOCUMENTATION POINTS

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ID	**Clause No.**	**Clause Heading**	**Description**	**Relevant Authority**	**Certifying Engineer**	**Comments**
Documentation Point 36	8.16.1	Spray Sealing - Reporting - Spray Sheets	Submit signed spray sheets that record the following information for all Spray Seal runs conducted. – Contractors Name – Project Details – Contract Number – Specification schedule number – Street Name – Product Type Sprayed – Precoat type used, Precoat litres / m3 – Aggregate supplier, Aggregate Type, Aggregate size – Run number, Start Time of spray run – Pavement Temperature, Ambient Temperature – Start Chainage of spray run – actual km of Street – End chainage of spray run – actual km of Street – Total Length, Width of spray run – Total area of spray run – Temperature of product at spraying – Start Dip, End Dip – Total sprayed hot, Correction factor, Total sprayed cold – Application rate cold – Ordered application rate – Percent of application rate ordered – Number of rollers used – Bitumen sample number – Signature of Contractor representative – Signature section for Developer representative			
Documentation Point 37	9.4.2	Dense Graded Asphalt - Asphalt Mix Design - Design Mix Requirements	Obtain approval for asphalt materials and mix designs prior to use in the Development Works.			
Documentation Point 38	9.4.2	Dense Graded Asphalt - Asphalt Mix Design - Design Mix Requirements	Obtain approval for amendments to the approved asphalt materials and mix designs prior to use in the Development Works.			
Documentation Point 39	9.9.4	Dense Graded Asphalt - Spreading - Laying Pattern	Submit a construction program and paving plan minimum 7 Calendar Days prior to commencement of asphalt works. Paving plans must be confirmed prior to the commencement of each work shift.			
Documentation Point 40	9.9.7	Dense Graded Asphalt - Spreading - Longitudinal Joints	Provide a plan showing all proposed longitudinal joints in asphalt works. The plan must be approved prior to the relevant works commencing.			
Documentation Point 41	10.7.2	Non-Structural Concrete Works - Joints - Contraction Joints	Obtain approval for use of saw cut joints, prior to use in the Development Works.			

TABLE A - DOCUMENTATION POINTS

DOCUMENTATION POINTS				HOLD POINT / WITNESS POINT REQUIREMENTS		
ID	**Clause No.**	**Clause Heading**	**Description**	**Relevant Authority**	**Certifying Engineer**	**Comments**
Documentation Point 42	11.3.2	Structural Concrete Works - Concrete Quality Control - Concrete Quality Plans	Submit a Concrete Quality Plan for approval prior to commencing any concreting operations.			
Documentation Point 43	11.3.4	Structural Concrete Works - Concrete Quality Control - Sampling and Testing	Obtain approval for the method of concrete strength assessment, prior to ordering concrete.			
Documentation Point 44	11.6.4	Structural Concrete Works - Reinforcement - Cutting and Bending	Reinforcing bars must be bent cold in a manner that will not damage them, unless a written Approval for hot bending is obtained.			
Documentation Point 45	11.6.4	Structural Concrete Works - Reinforcement - Cutting and Bending	Any reinforcing bar that has already been bent must not be re-bent at the site of the original bend without Approval.			
Documentation Point 46	11.6.4	Structural Concrete Works - Reinforcement - Cutting and Bending	Flame cutting of reinforcing steel is not allowed without prior Approval.			
Documentation Point 47	11.8.3	Structural Concrete Works - Joints - Joint Materials	Submit copies of supplier/manufacturer product data sheets and specifications for all jointing materials.			
Documentation Point 48	11.9.2	Structural Concrete Works - Concrete Supply and Placement - Chemical Admixtures	Obtain approval for the use of concrete admixtures, prior to incorporating them into a concrete mix.			
Documentation Point 49	11.9.5	Structural Concrete Works - Concrete Supply and Placement - Hot Weather Placing	Submit proposed method(s) of maintaining the specified temperatures of placed concrete.			
Documentation Point 50	11.9.8	Structural Concrete Works - Concrete Supply and Placement - Prevention of Moisture Loss from Hardened Concrete	Obtain approval for the use of curing compounds on concrete, in lieu of moist curing, prior to placing the relevant concrete works.			
Documentation Point 51	11.10	Structural Concrete Works - Precast Concrete	Obtain approval for all precast concrete works prior to manufacturing.			

TABLE A - DOCUMENTATION POINTS

DOCUMENTATION POINTS				HOLD POINT / WITNESS POINT REQUIREMENTS		
ID	**Clause No.**	**Clause Heading**	**Description**	**Relevant Authority**	**Certifying Engineer**	**Comments**
Documentation Point 52	11.10.1	Structural Concrete Works - Precast Concrete - Manufacture	Submit the following items 5 Business Days prior to fabrication of the precast concrete item commencing: – Shop drawings, including installation and construction requirements; – Product data sheets and installation instructions for anchors, lifting inserts and other devices; – Concrete production and placing method statements; – Copies of material certifications and/or laboratory test reports for all materials used in construction, finishing and curing of the precast concrete; and – Recent in-plant QA/QC inspection reports.			
Documentation Point 53	11.10.2	Structural Concrete Works - Precast Concrete - Handling, Storage and Delivery	Submit evidence that all precast concrete units have been inspected and signed-off by the manufacturer's inspector, in a format to be approved, prior to delivery of the unit to the Development Site.			
Documentation Point 54	11.11.3	Structural Concrete Works - Surface Finishes - Finishing Methods	Prior to undertaking concreting works involving exposed aggregate finish, conduct a trial and obtain approval for product selection, application rates, construction methodologies, timeframes for removal of paste, and agreed surface finish quality.			
Documentation Point 55	12.3.1	Minor Steel Works - Developer's Submissions - Shop Drawings	Submit shop drawings for minor streel works prior to fabrication.			
Documentation Point 56	12.3.2	Minor Steel Works - Developer's Submissions - Compliance	Submit evidence that steel used complies with the required material standards, prior to use in the Development Works.			
Documentation Point 57	12.6.2	Minor Steel Works - Bolted Connections - Enlargement of Bolt Holes	Obtain approval for enlargement of bolt holes, via flame cutting or otherwise, prior to undertaking.			
Documentation Point 58	12.7.1	Minor Steel Works - Welding - General	Submit a Weld Procedure Specification, prior to commencement of any welding.			
Documentation Point 59	12.7.6	Minor Steel Works - Welding - Preparation	Submit Certification of all weld preparation.			
Documentation Point 60	12.7.7	Minor Steel Works - Welding - Non-Destructive Weld Examination (NDE)	Submit Certification of all radiographic and ultrasonic weld inspections, where required.			
Documentation Point 61	13.4.2	Drainage Works - Materials - Precast Reinforced Concrete Box Culverts (RCBC)	Submit shop drawings for precast reinforced box culverts, prior to fabricating any units.			
Documentation Point 62	13.5.11	Drainage Works - Construction of Pipes and Box Culverts - Backfill	Obtain approval for use of Flowable Fill as an alternative backfill material in Culvert works.			
Documentation Point 63	13.10	Inlet and Outlet Channels	Advise Relevant Authority within 2 Calendar Days when cleaning out is completed.			

TABLE A - DOCUMENTATION POINTS

DOCUMENTATION POINTS				HOLD POINT / WITNESS POINT REQUIREMENTS		
ID	**Clause No.**	**Clause Heading**	**Description**	**Relevant Authority**	**Certifying Engineer**	**Comments**
Documentation Point 64	13.14	Drainage Works - CCTV Inspections	Submit a copy of the CCTV Inspection Report, including video footage and still images, supported by a statement that all the works are conforming (or otherwise).			
Documentation Point 65	14.9.2	Protection Works - Gabions - Steel Wire Mesh	Where proposed, obtain approval for omission of the PVC coating on gabion steel wire mesh, prior to fabrication of gabion baskets.			
Documentation Point 66	14.10.2	Protection Works - Reno Mattresses - Steel Wire Mesh	Where proposed, obtain approval for omission of the PVC coating on reno mattress steel wire mesh, prior to fabrication of reno mattress baskets.			
Documentation Point 67	15.2	Furniture and Traffic Control Devices - Tactile Ground Surface Indicators	Submit proposed Tactile Ground Surface Indicator details prior to installation.			
Documentation Point 68	15.5.2	Furniture and Traffic Control Devices - Flexible Guide Posts - Certification of Guide Posts	Provide certification that guide posts conform to specified requirements.			
Documentation Point 69	15.6.2	Furniture and Traffic Control Devices - Signs - Materials	Submit details of proposed Anti-Graffiti film or coating products, prior to use in the relevant Development Works.			
Documentation Point 70	16.5	Pavement Marking - Pavement Marking Paint	Submit Certificates of Compliance, issued by an accredited testing authority, stating that the pavement marking paints proposed to be used conform to, or comply with the relevant Australian Standards and/or APAS specifications.			
Documentation Point 71	16.6	Pavement Marking - Glass Beads	Submit a Certificate of Compliance in respect to the glass beads complying with the relevant Australian Standard and APAS specification.			
Documentation Point 72	16.7	Pavement Marking - Thermoplastic Materials	Obtain approval for use of thermoplastic materials.			
Documentation Point 73	16.8	Pavement Marking - Cold Applied Plastic Materials	Obtain approval for use of cold applied plastic materials.			
Documentation Point 74	16.8	Pavement Marking - Cold Applied Plastic Materials	Provide evidence that all proprietary cold applied plastic material products, such as epoxy or plastic products, have demonstrated satisfactory field performance for a period of at least three years.			
Documentation Point 75	16.10	Pavement Marking - Pavement Marking Application	Submit details of type of equipment to be used for applying Pavement marking materials.			
Documentation Point 76	16.10	Pavement Marking - Pavement Marking Application	Submit documented evidence to show that the pavement marking spraying equipment has been calibrated in accordance with NTTM 405.1 and with PCCP requirements and is certified by PCCP as being suitable for the Development Works to be carried out.			
Documentation Point 77	16.11	Pavement Marking - Conformance and Tolerances	Provide evidence that the complete Pavement marking complies with the requirements of this specification.			

TABLE A - DOCUMENTATION POINTS

DOCUMENTATION POINTS				HOLD POINT / WITNESS POINT REQUIREMENTS		
ID	**Clause No.**	**Clause Heading**	**Description**	**Relevant Authority**	**Certifying Engineer**	**Comments**
Documentation Point 78	16.13	Pavement Marking - Raised Retroreflective Pavement Markers (RRPMs)	Submit details in relation to the manufacturer's warranties, performance, durability and maintenance of the raised retroreflective pavement markers.			
Documentation Point 79	16.14	Pavement Marking - Removal of Pavement Markings	Obtain approval of the method used for line marking removal before commencing removal operations.			
Documentation Point 80	16.15	Pavement Marking - Reporting	Submit pavement marking reports.			
Documentation Point 81	17.2.3	Landscape - Materials - Grass	Submit grass seed certificates prior to application of grassing.			
Documentation Point 82	17.2.6	Landscape - Materials - Imported Topsoil	Submit Certified test reports and associated delivery dockets confirming imported topsoil complies with AS 4419.			
Documentation Point 83	17.2.8	Landscape - Materials - Mulch	Submit Certified test reports ad associated delivery dockets confirming imported mulch complies with AS 4454.			
Documentation Point 84	17.8.4	Landscape - Planting - Supply of Plants	Obtain approval for use of alternative plant species, prior to ordering plants.			
Documentation Point 85	17.9.2	Landscape - Hydroseeding - Developer Submissions	Submit manufacturer's product data and installation instructions. Include required substrate preparation, list of materials and application rates.			
Documentation Point 86	17.9.5	Landscape - Hydroseeding - Composition	Obtain approval for use of chemical additives to hydroseeding mixes other than fertilizer, soil neutralizers and biostimulant materials.			
Documentation Point 87	17.10.2	Landscape - Irrigation - Irrigation Systems	Submit irrigation designs prior to installation of irrigation systems.			
Documentation Point 88	17.10.3	Landscape - Irrigation - Water Source	Liaise with the Service Authority and obtain approval for connections in relation to water supply requirements.			
Documentation Point 89	17.11.2	Landscape - Shade Structures - Permits and Certification	Submit a copy of all Building Permit(s) and Certificate(s) of Occupancy.			
Documentation Point 90	19.10.2	Street Lighting - Existing Street Lighting - Temporary Lighting	Submit plans of the proposed temporary street lighting for approval prior to removal of existing street lights.			
Documentation Point 91	20.4	Directional Boring - Proposed Method	Submit details of the proposed method of thrust boring not less than 10 Business Days prior to commencement of construction using that method.			
Documentation Point 92	20.4.1	Directional Boring - Proposed Method - Directional Boring with Pipe Casing	Submit Certification that the pipe jacking equipment is fit for use, 10 Business Days prior to commencement of construction using that method.			

TABLE A - DOCUMENTATION POINTS

DOCUMENTATION POINTS				HOLD POINT / WITNESS POINT REQUIREMENTS		
ID	**Clause No.**	**Clause Heading**	**Description**	**Relevant Authority**	**Certifying Engineer**	**Comments**
Documentation Point 93	20.4.2	Directional Boring - Proposed Method - Directional Boring without Pipe Casing	Obtain approval to use directional boring without pipe casing.			

TABLE B - INSPECTION POINTS

INSPECTION POINTS				HOLD POINT / WITNESS POINT REQUIREMENTS		
ID	**Clause No.**	**Clause Heading**	**Description**	**Relevant Authority**	**Certifying Engineer**	**Comments**
Inspection Point 1	3.8	Clearing, Grubbing and Rehabilitation - Grubbing	Obtain approval for cleared and grubbed surface prior to commencing earthworks operations.			
Inspection Point 2	4.2.3	Earthworks - Earthworks in Cut other than Rock - Excavation and Subgrade Preparation	For earthworks in cut, proof roll the compacted Subgrade in accordance with *Clause 4.11.2 – Proof Rolling* to identify any areas of Unsuitable Material.			
Inspection Point 3	4.2.4	Earthworks - Earthworks in Cut other than Rock - Unsuitable Material below Subgrade Surface other than Rock	If Unsuitable Materials are encountered below Subgrade Surface other than rock, obtain direction before remedial works commence.			
Inspection Point 4	4.3.2	Earthworks - Earthworks in Cut - Rock - Excavation and Subgrade Preparation	If rock is encountered below the Subgrade Surface, obtain direction before remedial works commence.			
Inspection Point 5	4.3.3	Earthworks - Earthworks in Cut - Rock - Dissolution Cavities in Rock	If Dissolution Cavities are encountered below the Subgrade Surface, provide notification for direction before remedial works commence.			
Inspection Point 6	4.4.2	Earthworks - Earthworks in Fill - Preparation of Foundation Prior to Filling other than Detention Basin Embankments	Once moisture conditioned and compacted, subject each Test Lot to a proof roll of the foundation prior to filling in accordance with *Clause 4.11.2 – Proof Rolling* to identify any areas of Unsuitable Material.			
Inspection Point 7	4.4.3	Earthworks - Earthworks in Fill - Preparation of Detention Basin Embankments Prior to Filling	After stripping of topsoil, obtain approval for subgrade prior to scarifying.			
Inspection Point 8	4.4.3	Earthworks - Earthworks in Fill - Preparation of Detention Basin Embankments Prior to Filling	Prior to filling, the prepared foundation must be inspected and approved by the suitably qualified geotechnical engineer who will be undertaking Level 1 Inspection and Testing for the embankment in accordance with *Clause 4.4.7 - Placement of Fill*.			
Inspection Point 9	4.4.4	Earthworks - Earthworks in Fill - Unsuitable Material Beneath Fill	If Unsuitable Materials are encountered in foundations beneath fill, obtain direction before remedial works commence.			
Inspection Point 10	4.4.5	Earthworks - Earthworks in Fill - Dissolution Cavities Beneath Fill	If Dissolution Cavities are encountered in foundations beneath fill, obtain direction before remedial works commence.			
Inspection Point 11	4.4.7	Earthworks - Earthworks in Fill - Placement of Fill other than Detention Basin Embankments	For earthworks in fill other than detention basin embankments, proof roll the Subgrade Surface in accordance with *Clause 4.11.2 - Proof Rolling*.			

TABLE B - INSPECTION POINTS

INSPECTION POINTS				HOLD POINT / WITNESS POINT REQUIREMENTS		
ID	**Clause No.**	**Clause Heading**	**Description**	**Relevant Authority**	**Certifying Engineer**	**Comments**
Inspection Point 12	4.4.7	Earthworks - Earthworks in Fill - Placement of Fill other than Detention Basin Embankments	All Allotment Fill is to be carried out under Level 1 Inspection and Testing in accordance with AS 3798 and comply with *Section 5 - Conformance Testing*.			
Inspection Point 13	4.4.8	Earthworks - Earthworks in Fill - Placement of Fill for Detention Basin Embankments	For earthworks in fill for detention basin embankments, proof roll the Subgrade Surface in accordance with *Clause 4.11.2 - Proof Rolling*.			
Inspection Point 14	4.4.8	Earthworks - Earthworks in Fill - Placement of Fill for Detention Basin Embankments	Placement of fill for detention basin embankments is to be carried out under Level 1 Inspection and Testing in accordance with AS 3798 and comply with *Section 5 - Conformance Testing*.			
Inspection Point 15	6.5.2	Pavements and Shoulders - Pavement Acceptance - Proof Rolling	Proof roll and obtain approval for all areas of final Pavement surface prior to commencing surfacing works.			
Inspection Point 16	7.5.2	Stabilisation and Modification - Conformance - Conformance Testing	Obtain approval for conformance of stabilised or modified layer prior to commencing surfacing works.			
Inspection Point 17	8.12	Spray Sealing - Spraying	Provide notice prior to spraying bitumen.			
Inspection Point 18	9.6.1	Dense Graded Asphalt - Surface Preparation - New Construction	Provide notice of the scheduled commencement time of surface preparation works for each asphalt work program.			
Inspection Point 19	9.9.1	Dense Graded Asphalt - Spreading - General	Provide notice before commencement of asphalt material spreading.			
Inspection Point 20	11.6.12	Structural Concrete Works - Reinforcement - Reinforcement Inspection	Do not place concrete until the reinforcement has been inspected and approved.			
Inspection Point 21	11.7.4	Structural Concrete Works - Formwork - Formwork Inspection	Do not place concrete until the formwork has been inspected and approved.			
Inspection Point 22	11.9.4	Structural Concrete Works - Concrete Supply and Placement - Concrete Placing	Provide notice so that inspection may be made before and during pouring concrete.			
Inspection Point 23	12.2	Minor Steel Works - General	Provide notice for commencement of shop fabrication.			

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Inspection Point 24	12.8.1	Minor Steel Works - Protective Coatings - Surface Preparation	Do not apply protective coatings to steel works until the surface preparation has been inspected and approved.			
Inspection Point 25	13.4.2	Drainage Works - Materials - Precast Reinforced Concrete Box Culverts (RCBC)	Provide notice prior to casting precast reinforced concrete box culverts.			
Inspection Point 26	13.5.3	Drainage Works - Construction of Pipes and Box Culverts - Excavation	If Unsuitable Materials or Dissolution Cavities are encountered in the foundations or trench walls for pipe and box culverts, obtain direction before remedial works commence.			
Inspection Point 27	13.5.10	Drainage Works - Construction of Pipes and Box Culverts - Connection to Existing Systems	Obtain approval for cleaning out of existing drainage systems once completed.			
Inspection Point 28	13.5.11	Drainage Works - Construction of Pipes and Box Culverts - Backfill	Obtain approval for pipe and/or box culvert installations prior to backfilling.			
Inspection Point 29	13.6.4	Drainage Works - Construction of Concrete Drainage Structures - Excavation	If Unsuitable Materials or Dissolution Cavities are encountered in the foundations or trench walls for pipe and box culverts, obtain direction before remedial works commence.			
Inspection Point 30	13.11.2	Drainage Works - Subsoil Drains - Excavation	Where subsoil drain trenches are excavated in rock and subsoil drain pipes are fitted with filter socks, geotextile fabric may be omitted where approved.			
Inspection Point 31	13.11.3	Drainage Works - Subsoil Drains - Bedding and Pipe Laying	Obtain approval of the subsoil pipe installation before backfilling.			
Inspection Point 32	13.13	Drainage Works - Cleanout of Drainage Works	Obtain approval for cleanliness of all new and existing affected drainage works.			
Inspection Point 33	14.5.2	Protection Works - Stone Pitching - Grouted Stone Pitching	Obtain approval of stone pitching before grouting.			
Inspection Point 34	17.2.5	Landscape - Materials - Site Topsoil	Obtain approval for re-use of site topsoil on the Development Site prior to application.			
Inspection Point 35	17.8.2	Landscape - Planting - Setting out of Holes	Obtain approval of the planting set out before commencing any planting.			
Inspection Point 36	17.8.3	Landscape - Planting - Preparation and Treatment of Holes	Provide notification of completing preparation and treatment requirements for plant holes.			

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ID	**Clause No.**	**Clause Heading**	**Description**	**Relevant Authority**	**Certifying Engineer**	**Comments**
Inspection Point 37	19.6.2	Street Lighting - Excavation - Column Footings	If rock is encountered which prevents excavation to the required dimensions, obtain direction prior to proceeding.			
Inspection Point 38	19.8	Street Lighting - Cable Installation	Obtain approval for street lighting trench excavation and cable installation prior to commencing backfilling.			
Inspection Point 39	19.11.2	Street Lighting - Testing and Commissioning - Commissioning	Arrange for commissioning work to live up the newly installed street lighting distribution system.			