

Territory and Municipal Services Reference Document 8



REQUIREMENTS FOR WORKS AS EXECUTED QUALITY RECORDS

Issue 2 Revision 3

APPROVED FOR ISSUE

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Land Management and Planning
Date: **August 2010**

TERRITORY AND MUNICIPAL SERVICES
REQUIREMENTS FOR WORKS AS EXECUTED QUALITY
RECORDS

AA

Document No. AA-REF-08

1 PURPOSE

This document establishes the Territory and Municipal Services (TAMS) mandatory requirements for Works as Executed Quality Records (Requirements) to be included in any Submission requesting Operational Acceptance (Submission) lodged upon completion of the Works.

2 SCOPE

These Requirements apply to any formal Submission for all Works.

3 OBJECTIVES

These Requirements are issued to:

- inform the Consultant of the type and nature of ‘as constructed’ records that are required to be handed over to the ACT Government upon completion of the Works, and
- encourage high quality Submissions with complete supporting documentation that complies with these Requirements.

4 DEFINITIONS, TERMS AND ABBREVIATIONS

Developer

In the private sector, the organisation nominated in the Deed of Agreement as the ‘Developer’ including its employees, contractors, successors and agents.

In the public sector, the Land Development Agency (LDA) or any other ACT Government agency responsible for development of public infrastructure works in the ACT including its employees, contractors, successors and agents.

Coordinator

The Developer, the Head Consultant or the agent nominated by the Developer as being responsible for the coordination of all disciplines of design and documentation prepared and certified by the relevant Consultant/s and for the superintendence of the construction of the Works. The Coordinator shall be responsible for the lodgement of the Submission with TAMS and shall be the sole point of contact between Asset Acceptance, through the Project Lead, and the Developer throughout the life of the development. Asset Acceptance is not required to meet or communicate directly with any other entity or individual other than the nominated Coordinator on issues relating to the Submission.

Head Consultant

The organisation responsible on behalf of the Developer for the overall design and/or site superintendence of the whole of the Works and certification that the design and/or construction of the Works comply with these Requirements and Standards.

Consultant

The organisation responsible for the design and/or site superintendence of part or whole of the Works and certification that the design and/or construction of that part of the Works for which it is responsible complies with these Requirements and the Standards.

Asset Acceptance (AA)

Asset Acceptance is the section of TAMS responsible for coordinating the Asset and nominated capital works design and construction acceptance process on behalf of TAMS.

Asset Acceptance Lead

The Manager who will act as a single point of contact for the life of a project.

Standards

All Australian Standards, applicable ACT Government requirements, codes and guidelines and all statutory and regulatory requirements governing the design of the Works.

Works

The public infrastructure works for which TAMS will become the ultimate owner and operator on behalf of the ACT Government.

Asset

The completed Works.

Base Plan

A plan defining the site and location of the Works.

Canberra Map Grid (CMG)

The ACT grid is a Transverse Mercator map projection that uses the longitude of Mt Stromlo Trig Station as its central meridian. It is based on the Australian Geodetic Datum 66 (AGD66), which is modified to take advantage of the ACT's limited east-west dimension and account for scale differences caused by the ACT's height above sea level. The resulting ACT grid effectively can be treated as a plane (rather than geodetic) system of coordinates using the formulation of plane trigonometry, without the need to apply scale factors, grid convergence, arc-to-chord, or sea level corrections. As a result, for all but the most accurate work in the ACT, terrestrial, grid and plane measurements can be taken as being identical.

Further information on this coordinate system can be found on the ACT Planning and Land Authority (ACTPLA) website.

Base maps in CMG for most areas of the ACT can be obtained from TAMS upon request.

Decommissioned

Whenever an Asset is either demolished, deactivated, eradicated etc. and is no longer considered an Asset.

DWG

Electronic drawing files in AutoCAD drawing format.

EXAMINER

Software that reads SEWRAT data in Stormwater Asset Management information System (SWAMIS).

PDF

Electronic drawing files in Adobe Portable Document format.

SEWRAT

Software that converts information produced by Closed Circuit Television (CCTV) to a report in digital format.

Traffic Control Devices (TCD)

Line marking, street signs, guide signs, traffic lights, pavement marking, kerbs crossings and barriers.

Work Lot

A subdivision of the Works defined as such for verification purposes by the nature of the work and its location (or equivalent).

5 CONTENTS

1	PURPOSE.....	2
2	SCOPE	2
3	OBJECTIVES	2
4	DEFINITIONS, TERMS AND ABBREVIATIONS.....	2
5	CONTENTS.....	5
6	GENERAL REQUIREMENTS.....	7
6.1	INTRODUCTION.....	7
6.2	ASSET REPORT COMPONENTS	7
6.2.1	<i>Index</i>	7
6.2.2	<i>Project description.....</i>	7
6.2.3	<i>Parties to project</i>	7
6.2.4	<i>List of Asset Titles.....</i>	7
6.2.5	<i>Asset Description/Data</i>	7
6.2.6	<i>WAE Quality Records</i>	8
6.2.7	<i>Certificates of Compliance</i>	8
6.2.8	<i>Warranty Documents</i>	9
6.2.9	<i>Summary of Construction Quality Records</i>	9
6.2.10	<i>Operations and Maintenance Manuals.....</i>	10
6.2.11	<i>Keys and Locks.....</i>	10
7	WAE QUALITY RECORDS FOR ASSET TYPES.....	10
7.1	ROADS.....	10
7.1.1	<i>Pavements.....</i>	10
7.1.2	<i>Sub-soil drains.....</i>	10
7.1.3	<i>Underground services.....</i>	10
7.1.4	<i>Asset Description/Data.....</i>	11
7.1.5	<i>WAE Drawings</i>	11
7.2	PATHS.....	11
7.2.1	<i>Asset Description/Data.....</i>	11
7.2.2	<i>WAE Drawings</i>	11
7.3	CARPARKS.....	11
7.3.1	<i>Asset Description/Data.....</i>	11
7.3.2	<i>WAE Drawings</i>	11
7.4	STREET LIGHTING/PARK LIGHTING.....	12
7.4.1	<i>Construction Quality Records.....</i>	12
7.4.2	<i>Asset Description/Data</i>	12
7.4.3	<i>WAE Drawings</i>	12
7.4.4	<i>Operations and Maintenance Manuals.....</i>	12
7.5	BRIDGES AND ASSOCIATED STRUCTURES	13
7.5.1	<i>Construction Quality Records.....</i>	13
7.5.2	<i>Asset Description/Data</i>	13
7.5.3	<i>WAE Drawings</i>	13
7.5.4	<i>Operation and Maintenance Manuals</i>	13
7.6	STORMWATER	13
7.6.1	<i>Construction Quality Records.....</i>	13
7.6.2	<i>Asset Description/Data</i>	14
7.6.3	<i>WAE Drawings</i>	14
7.7	TRAFFIC CONTROL DEVICES AND TRAFFIC SIGNALS.....	15
7.7.1	<i>Asset Description/Data</i>	15
7.7.2	<i>WAE Drawings</i>	15
7.8	ROAD SAFETY BARRIERS.....	15
7.8.1	<i>Asset Description/Data</i>	15
7.8.2	<i>WAE Drawings</i>	15
7.8.3	<i>Operations and maintenance manuals.....</i>	15

7.9	BUS STOPS AND SHELTERS	15
7.9.1	Asset Description/Data	15
7.9.2	WAE Drawings	15
7.9.3	Operations and maintenance manuals.....	15
7.10	LANDSCAPE AND STREET FURNITURE	15
7.10.1	Asset Description/Data	15
7.10.2	Construction Quality Records.....	16
7.10.3	WAE Drawings.....	17
7.11	SPORTSGROUNDS.....	20
7.11.1	Asset Description/Data	20
7.11.2	WAE Drawings.....	20
7.11.3	Operations and maintenance manuals.....	20
7.12	WASTE	20
7.12.1	WAE Drawings.....	20
8	ANNEXURE	21
	COVER SHEET FOR ASSET DESCRIPTION FORM SUBMISSION FORM No PC1.....	23
	ROAD ASSETS FORM No RD1	24
	PATH AND PAVING ASSETS FORM No RD2.....	25
	CARPARK ASSETS FORM No RD3.....	26
	STREET LIGHTING ASSETS FORM No RD4	27
	BRIDGES, STRUCTURES AND ROAD SAFETY BARRIERS FORM No RD5	28
	STORMWATER ASSETS FORM No RD6.....	29
	TRAFFIC ASSETS FORM No RD7	30
	BUS ASSETS FORM No RD8	31
	SOFT LANDSCAPE ASSETS FORM No LS1	32
	FENCES & LANDSCAPE BARRIERS FORM No LS2	34
	LANDSCAPE STRUCTURES FORM No LS3	35
	LANDSCAPE STREET & PARK FURNITURE FORM No LS4	36
	LANDSCAPE SIGNAGE FORM No LS5.....	37
	IRRIGATION ASSETS FORM No LS6.....	38
	WATER FEATURE ASSETS FORM No LS7	38
	PLAYGROUND ASSETS FORM No PG1	39
	SPORTSGROUND ASSETS FORM No SG1	40

6 General Requirements

6.1 Introduction

The Submission shall be in the form of an **Asset Report** providing all the required information and quality records described in this document. The Asset Report shall be submitted by the Coordinator under cover sheet AA-SCS-08 Works as Executed Quality Records Submission Cover Sheet (Refer Attachment A). The Report shall include the following elements:

1. **Index**
2. **Project description**
3. **Parties to the Project**
4. **List of Asset titles**
5. **Asset description/data/cost**
6. **Works as Executed (WAE) Quality Records**
7. **Summary of construction quality records**
8. **Operations and maintenance manuals**
9. **Keys and Locks**

6.2 Asset Report Components

6.2.1 Index

Index all sections of the report so that records can be easily traced and located.

6.2.2 Project description

The Asset Report shall elaborate on the details of the Asset including:

- **Project Title.**
- **The Scope of the Project** (i.e. description of works e.g. Forde Stage 2 connection etc).
- **A Site Plan.**
- **Any other references.**

6.2.3 Parties to project

List all key parties involved in the Project, including, where appropriate:

- Client.
- Developer.
- Coordinator.
- Consultant/s identifying the specific areas of responsibility (e.g. civil, structural, town planner, landscape consultant, surveyor, etc).
- Nominated Subcontractors and Suppliers.

6.2.4 List of Asset Titles

The Asset Title.

6.2.5 Asset Description/Data

Asset data shall be submitted by the Coordinator in the formats shown in the Annexure with additional requirements for particular asset types under section 7 of this document.

The Asset Description Forms/data shall be submitted electronically as a PDF.

The forms shall be an accurate summary of the assets as shown in the WAE drawings supplied at Operational/Final Acceptance.

They shall only show the assets being handed over to TAMS as part of the particular handover requiring Operational/Final Acceptance.

The financial cost of the asset shall be included where required in the Asset Description Forms.

6.2.6 WAE Quality Records

WAE Quality Records shall be clearly identifiable and separate from design information.

A summary drawing shall be supplied that shows only the assets constructed, reconstructed and demolished. These assets shall be clearly labelled as constructed, reconstructed and demolished. It will be used as the source of data for loading into the TAMS asset management system. All contextual data shall be excluded. The layering conventions shall be as defined in Reference Document 11 (TAMS Drafting Standards).

WAE Drawings shall show:

- Assets which have been Decommissioned, constructed or reconstructed as part of the Works. (It may be necessary to remove any notes which cast doubt upon the existence of the Asset, e.g. notes which say 'To be installed' indicate that the asset has not yet been constructed).
- Actual dimensions which have been recorded on site, (e.g. the design drawings may give a dimension as "Maximum 2 metres"; the WAE drawings shall give the actual measured dimension of 1.9 metres).
- The insertion point for a block representing an Asset located on the drawing at the actual location of the Asset.
- All amendments made to the approved design during the construction phase.

The detail required for each asset class is detailed in Section 7 of this document. The AutoCAD layering conventions shall be as defined in Reference Document 11 (TAMS Drafting Standards).

Each drawing shall be certified by the responsible Consultant that it accurately records the completed works. Dimensions shall be in accordance with the specified construction tolerance or of a similar accuracy to those of the design drawings. Terminology shall be consistent with current Australian Standards.

Drawings depicting temporary works needed during the construction phase such as temporary traffic management or construction erosion control plans, shall not be included in WAE records. Complete sets of detailed drawings including a Base Plan showing their location and interrelationship shall be supplied in ACT Grid coordinates.

6.2.7 Certificates of Compliance

The Coordinator shall provide evidence of all required asset certification. The documents shall be supplied as one hard copy and one PDF electronic copy.

Drawings and digital data shall be submitted in all of the following formats:

- One full set of AutoCAD drawings compliant with the latest version of 'Ref-11 TAMS Drafting Standard'.
- One full set of drawings in Adobe® PDF format created at a minimum size of A3 with a resolution of 600 DPI or higher. These drawings shall be oriented correctly with respect to the original and of equal clarity to the hard copies created from AutoCAD using the same plot styles.
- One full set of A3 hardcopy drawings.
- Other digital format deliverables specified in the latest version of 'Ref-11 TAMS Drafting Standard'.

6.2.8 Warranty Documents

Any documentation relating to the warranty of assets being constructed shall be supplied as one hard-copy original and one PDF electronic copy.

6.2.9 Summary of Construction Quality Records

Summary Requirements

The Submission shall comprise a **Summary Sheet** for each of the key works activities only: (**detail sheets are not required and shall not be included in the Submission**). In addition to the Summary Sheets, the Coordinator shall include a **Conformance Record** which shall:

- be completed by the responsible Consultant and endorsed by the Coordinator;
- include an assessment by the Coordinator of the adequacy of the contractor's quality management system for the project to provide an appropriate level of assurance of compliance of the Works, and
- include certification by the responsible Consultant, endorsed by the Coordinator, that all hold and other such verification points necessary to demonstrate compliance of the Works, including inspection and testing for each Work Lot, has been planned, undertaken and completed.

The Conformance Record shall be structured around a sufficient number of meaningful Work Lots to unambiguously demonstrate compliance of the Works: where work within a Work Lot is further subdivided for verification purposes, the verification of the subdivided items of work shall be individually recorded.

6.2.10 Records to be maintained by the Coordinator

The Coordinator shall maintain complete and detailed records which shall be readily available for inspection upon request. The records shall show for each hold and verification point for each Work Lot or Work Lot subdivision, the time, date and person verifying its satisfactory completion. The sign-off for compliance at a hold or verification point shall include confirmation that the relevant records are available, that a competent and suitably qualified person performed the activity and that the activity was undertaken in accordance with acceptable procedures. *(Computerised systems have been developed to provide a mechanism to facilitate meeting the above conformance monitoring and reporting requirements. For example one such system acceptable to TAMS is the Compliance Data Management Service (CDMS) available from ABE Services Pty Ltd (www.abeservices.com.au) with MBA (ACT) model templates for Inspection and Test Plans).*

Test results shall identify each test, its type, its location and the result and shall include a statement detailing the level control procedures adopted for the project.

6.2.11 Operations and Maintenance Manuals

All manuals detailing operating instructions or maintenance requirements for the Works or for any Work Lot shall be supplied by the Coordinator as one hard-copy and one PDF electronic copy. (Note that other formats for the electronic copy may be acceptable if previously approved by TAMS.)

6.2.12 Keys and Locks.

Two sets of keys to all locks shall be supplied by the Coordinator.

7 WAE Quality Records for Asset Types

7.1 Roads

7.1.1 Pavements

A Statement shall be provided detailing the procedure adopted for the in-field confirmation of soil type boundaries, sub-grade strength, select-fill, and pavement design. The statement shall be accompanied by soil classification, grading, plastic property and CBR test records.

The Statement shall include an as-constructed (A3 size) pavement plan detailing the various pavement configuration finally adopted and their respective boundaries. This plan shall be suitably annotated with street names and numbers, chainages, block boundaries, concrete structures, and other road furniture, etc.

Pavement test results shall be summarised and grouped by road and pavement strata and shall include, but not be limited to:

- compaction for sub-grade, select fill sub-base and base;
- grading, plastic properties, CBR for select fill, sub-base and base;
- compaction, mix and temperature tests of asphalt, and
- bitumen spray rates and quality.

Non-complying and retest results shall also be recorded and maintained. The Coordinator shall maintain and make available for inspection by the ACT Government agencies, all quality records for a minimum period of seven (7) years after final handover and acceptance.

For unsealed roads on PCL land, a statement of compliance with PCL Roding Manual and the design drawings shall be provided.

7.1.2 Sub-soil drains

As-constructed sub-soil drain level control shall be in tabular format and show gradients between level points. For drains longer than 20m the normal upstream and downstream levels shall be supplemented with intermediate levels at no more than 20m spacing.

Sub-soil drain records shall include a plan showing all drain locations enabling a quality record to be assigned to each particular drain. Drain lines shall be identified by adjacent upstream and downstream outlet sump numbers.

7.1.3 Underground services

Assurance on underground services (such as water reticulation, sewerage, telecommunications, gas, and electricity) may be limited to data on trench back filling (e.g. materials used, compaction results, etc).

7.1.4 Asset Description/Data

Complete data shall be provided in detail as in Form RD1.

7.1.5 WAE Drawings

When certifying the drawings, Consultant shall pay particular attention to ensuring that the pavement has been constructed to the design thickness and within the specified tolerances.

Detailed information shall be provided on:

- road centrelines;
- road kerb-lines;
- individual pavement layers, and
- design levels.

Verge profiles shall be provided at regular chainages (no more than 20 metres apart) along each road; these need not be located at the same positions as design cross sections.

7.2 Paths

7.2.1 Asset Description/Data

Complete data shall be provided in detail as in Form RD2.

7.2.2 WAE Drawings

When certifying the drawings, Consultant shall pay particular attention to ensuring that the path has been constructed to the design thickness and within the specified tolerances.

Detailed information shall be provided on:

- path centrelines;
- path perimeters;
- path intersections and crossings;
- shopping centre pavements;
- alignment of kerb ramps, and
- design levels.

The drawings shall clearly identify the construction material of the path.

7.3 Carparks

7.3.1 Asset Description/Data

Complete data shall be provided in detail as in Form RD3.

Any grassing, shrub beds and tree plantings associated with the car park shall be recorded according to the requirements under 7.10 of this document.

7.3.2 WAE Drawings

When certifying the drawings, Consultant shall pay particular attention to ensuring that the pavement has been constructed to the design thickness and within the specified tolerances.

Detailed information shall be provided on:

- roadway centrelines;
- kerb lines;
- individual pavement layers, and
- design levels.

Alternatively, if the contractors Quality Assurance system and records prove that the work has been constructed within approved design tolerances, certification may be provided and, in some of the elements above, the detailed design levels provided may be accepted.

The drawings shall clearly identify the construction material of the car park.

7.4 Street Lighting/Park Lighting

7.4.1 Construction Quality Records

Records of fault loop impedance, insulation protection and circuit protection tests shall be supplied.

7.4.2 Asset Description/Data

Complete data shall be provided in detail as in Form RD4.

7.4.3 WAE Drawings

Drawings shall identify the:

- position (in ACT Grid coordinates), and asset number of each new and existing streetlight column, streetlight control box and PE cell. *(The insertion point for the block representing an asset shall be located on the drawing at the actual location of the asset).*
- off-sets from the kerb-line of cables or conduits for all new and existing conduit and/or cable routes;
- depth of cables or conduits below ground for all new and existing conduit and/or cable routes;
- number of streetlight circuits controlled by the controller;
- list of streetlights (asset numbers) in each circuit;
- type and size of existing and new conduits;
- break-in points of conduits;
- variations to the references used for measurements from kerbs and buildings;
- columns and their street lighting asset numbers which have been removed;
- cables which have been removed or abandoned;
- the connection point for new lights into an existing streetlight circuit;
- the connection point for new streetlight circuits to ActewAGL's network;
- type and size of cables (e.g. single phase or three phase cable, PVC, XLPE, etc);
- column types, heights and make with the type of base;
- luminaire, type and make, and
- globes type, make and wattage.

Drawings shall include a wiring schematic clearly identifying any changes from the design schematic.

7.4.4 Operations and Maintenance Manuals

Manufacturer's documents/ drawings shall be provided for:

- columns, including mounting base details;
- outreach arms, and
- luminaire detail drawing, factory specification, replacement parts, manufacturer's contacts, control diagrams and spacing table or isolux diagram as applicable.

7.5 Bridges And Associated Structures

Bridges or culverts with a clear span less than 1.8m or waterway area less than 3m² are considered to be stormwater assets, refer to Section 7.6 for details.

7.5.1 Construction Quality Records

Concrete strength test results shall be recorded in a summary form grouped by structure: design calculations for bridges and structures shall be included.

7.5.2 Asset Description/Data

7.5.2.1 Structures

Complete data shall be provided in detail as in Form RD5.

7.5.2.2 Bridges

Complete data shall be provided in detail as in Form RD5.

7.5.3 WAE Drawings

7.5.3.1 Structures

A separate set of drawings shall be provided for each complete structure as follows:

- detail design elements as constructed, and
- locality site plan.

7.5.3.2 Bridges

A separate set of drawings shall be provided for each complete bridge as follows:

- detail design elements as constructed;
- design load;
- maximum Ultimate Design Moments for every particular span;
- maximum Ultimate Shear Force, for every particular span;
- maximum Design Deflection;
- location of risers for subsoil drains;
- a detailed level survey of the bridge deck surface and underside. (The survey shall comprise levels taken at the intersecting point of a grid over the complete deck surface and underside. The grid comprises 5m lengths in the bridge longitudinal direction and 2.5m lengths in the transverse direction), and
- locality site plan.

All bridge drawings shall include the bridge number in the title block, (bridge numbers may be obtained from TAMS).

7.5.4 Operation and Maintenance Manuals

Operations manuals and warranty information for any installed equipment shall be provided.

7.6 Stormwater

7.6.1 Construction Quality Records

Consultant shall include ActewAGL site inspection records, stormwater tie records and Closed Circuit Television (CCTV) reports. The CCTV requirements are as follows:

- DVD video of all pipe work constructed including slim drains and/or similar (to be retained by TAMS);
- SEWRAT data supplied as EXAMINER report on CD, plus one hard copy, and
- one photo of each significant defect.

7.6.2 Asset Description/Data

Complete data shall be provided in detail as in Form RD6.

7.6.3 WAE Drawings

Drawings shall be provided showing the site and locality of the stormwater services including floodways, lined channels, culverts, ties, basins, end points, walls, GPTs, cut off drains etc.

Locations and levels shall be provided as follows:

- **Sumps and other covered inlet and outlet structures:**

Inverts of inlet and outlet pipes and surface level on sump cover.

Levels on road sumps shall be on the kerb opposite the centre of the sump cover: levels on plantation sumps shall be in the centre of sump cover.

- **Manholes:**

Inverts of inlet and outlet pipes and surface level shall be on the centre of the manhole cover.

- **Headwalls:**

Inverts of inlet and outlet pipes or box culverts and level shall be on top of the headwall; details of material, height, drop height, skew angle, apron type, surface level, invert level and depth shall be provided.

- **Gross pollutant traps:**

Invert of inlet pipe, outlet invert, shall be on top of the GPT; details of material, drying area, basin width, basin length, basin depth, number of screen panels, panel width, panel height, bar dimensions and bar openings shall be provided.

- **Lined channels:**

Details of channel material, channel shape, base width, top width, depth, length (field measured), grade and invert levels shall be provided.

- **Floodways:**

Diameter of low-flow pipe, length (field measured), grade and invert levels.

- **Cut-Off Drains:**

Length (field measured) and invert levels.

- **Culvert with a clear span less than 1.8m or waterway area less than 3m².**

Width, height, length (field measured), grade, and invert levels.

- **Tie:**

Material, diameter, length and distance from boundary (field measured) and invert levels.

- **End point:**

Surface and invert.

7.7 Traffic Control Devices And Traffic Signals

7.7.1 Asset Description/Data

Complete data shall be provided in detail as in Form RD7.

7.7.2 WAE Drawings

Drawings shall be provided depicting the traffic control devices and traffic signals which have been Decommissioned, constructed or reconstructed as part of the project.

Separate sets of the drawings are required for Traffic Control Devices and Traffic Signals.

One copy of the approved guide-sign inventory forms and guide-sign design drawings shall be provided. Guide-sign inventory forms shall include the approved TC Number associated with the TCD drawings and a photo of the completed guide sign.

7.8 Road Safety Barriers

7.8.1 Asset Description/Data

Complete data shall be provided in detail as in Form RD5.

7.8.2 WAE Drawings

Drawings shall be provided depicting the permanent constructed Road Safety Barriers.

7.8.3 Operations and maintenance manuals

Manufacturers' documents/drawings shall be provided for:

- proprietary barriers and end treatments.

7.9 Bus Stops and Shelters

7.9.1 Asset Description/Data

Complete data shall be provided in detail in Form RD8.

7.9.2 WAE Drawings

Drawings shall identify the:

- positions (ACT Grid coordinates) of each new, modified and demolished asset;
- plans of all bus shelters, and
- details of any connections to services.

7.9.3 Operations and maintenance manuals

Manufacturers' documents/drawings shall be provided for:

- proprietary shelters.

7.10 Landscape and Street Furniture

7.10.1 Asset Description/Data

Complete data to be provided in detail in Forms LS1 – LS7.

The forms shall be an accurate summary of the assets as shown in the WAE drawings supplied at handover; they shall only show the assets being handed over to TAMS as part of the particular handover requiring Operational/Final Acceptance.

A schedule shall be provided listing the costs for construction of the assets being handed over. Individual values shall be provided for each playground, toilet, barbeque, and artwork

installation or building structure. Other assets shall have a total listed for all assets of their type at handover.

A schedule showing the estimated useful life and recommended maintenance program for each asset/asset type shall be provided.

All playgrounds require a 20 year manufacturers' recommended Maintenance and Capital Upgrade Plan detailing the annual maintenance and associated maintenance costs required for the playground. The Plan shall also include details of when and how refurbishment of the playground should be undertaken with estimated refurbishment costing. This information is required to provide expected and programmed maintenance costs over the design life of the playground equipment. It is expected that this information will be sourced from the playground equipment suppliers.

All grass plantings shall include a statement that includes the following information:

- type of grass planted/grass mix used;
- source of grass, and
- name and contact details of planting contractor.

All tree and/or shrub bed plantings shall include a statement detailing the following information:

- date of planting;
- source of stock (nursery);
- name and contact details of planting contractor;
- maintenance schedule to the date of handover (i.e. dates of watering);
- summary of species/varieties planted, and
- summary of height/container size of plants.

For each playground being constructed, a photo of each softfall area taken from the north, south, east and west of shall be provided. The name of each image shall clearly identify the play area in the image and the aspect from which it is being viewed.

For any public artworks, a photo of the work taken from the north, south, east and west shall be provided identifying the name and contact details of the constructing artist/s.

For all memorials, a photo of the memorial taken from the north, south, east and west of the work shall be provided identifying the name and contact details of the constructing artist/s.

For all other structures (e.g. shelters, decks, pergolas, jetties and boat ramps), at least one photo shall be provided identifying the structure and its location.

All photographs shall be provided as a jpeg image (or similar) and shall be less than 1 Mb in size.

7.10.2 Construction Quality Records

Required certification includes (but is not limited to):

- artificial softfall test compliance results or specific certification of the mulch or softfall in playgrounds;
- certification of playground compliance with Australian Playground Standards;
- certification of electrical safety and compliance with Australian Wiring Standards for any wiring for BBQ, power outlets/bollards and lighting;

- statement of compliance with design drawings;
- construction quality records for BBQ installation/ construction including the requirement for a licensed electrician or gasfitter to connect power/gas;
- certification for irrigation system installations by a qualified plumber, and
- where any maintenance has been carried out on the irrigation pumps prior to handover, the full maintenance history shall be provided.

7.10.3 WAE Drawings

The summary drawings relating to PCL Assets shall show which Assets were constructed, demolished, relocated or reconstructed as part of the project. All contextual information shall be excluded from the summary drawings but may be included in the detailed drawings.

Draft summary WAEs shall be provided at the commencement of consolidation for soft landscape assets (grassing, shrub beds and trees)

7.10.3.1 Maintenance and Operational Manuals

Maintenance and operational manuals shall be provided for all playgrounds, barbeques, irrigation systems and any other assets that have such manuals.

7.10.3.2 Grassed Areas

- Extents of all new or reinstated dryland-grassed areas shall be shown on the detailed drawings and also represented as a closed polyline. The areas shall be clearly labelled to distinguish between the new and reinstated grass.
- The areas defined shall exclude areas of path, shrub beds or any other feature that is within the grassed area.

7.10.3.3 Shrub Beds

- Extents of all shrub beds shall be shown on the detailed drawings and represented as a closed polyline.
- Individual polygons shall be drawn for different species planting.
- Irrigated shrub beds shall be clearly identified.
- This category shall also include plantings of wetland species adjacent to stormwater ponds and wetlands.

7.10.3.4 Open Space and Verge Trees

- All existing and newly planted trees shall be shown on the detailed drawings and represented as a point, with all attributed points attached.
- Drawings shall clearly show the location of all removed trees.

7.10.3.5 Granite Areas

- Extents of all granite areas shall be shown on the detailed drawings and represented as a closed polyline.
- The areas defined shall exclude areas of path, shrub beds or any other feature that is within the gravel area.

7.10.3.6 Playgrounds

- Complete set of detailed drawings of the playground structures and components shall be supplied including a Base Plan showing their location.

- Extents of all softfall areas shall be shown on the detailed drawings and represented as a closed polyline with attribution showing type of softfall and edging material.
- Detailed construction drawings of skate parks shall be provided.

7.10.3.7 Water Features

- Complete set of detailed drawings shall be supplied including a Base Plan in CMG coordinates showing all ponds, wetlands, fountains, drinking fountains and water meters.
- Extents of all ponds shall be shown on the detailed drawings and represented as a closed polyline.
- Fountains, drinking fountains and water meters shall be represented on the base drawings as a point feature.

7.10.3.7 Lake Structures

- Detailed construction drawings shall be provided for jetties and boat ramps
- All other lake assets shall be shown on the detailed drawings and represented as a point (lake ladders or buoy) or a line (boom line).

7.10.3.8 Urban Open Space Signage

- Complete set of detailed drawings shall be supplied including a Base Plan in ACT Grid coordinates showing all urban open space signage.
- The signs shall be clearly labelled to reflect the type of sign they are according to the PCL signage policy.

7.10.3.9 Street Furniture

- Complete set of detailed drawings shall be supplied including a Base Plan in ACT Grid coordinates showing the locations of all street furniture.
- Picnic Settings (table with adjacent seats not necessarily attached) shall be listed in the Asset description forms as a single table.

7.10.3.10 Public Toilets

- Drawings shall include a complete set of detailed drawings plus a Base Plan in ACT Grid coordinates showing their location.

7.10.3.11 Irrigation Systems

- Full irrigation plans shall be supplied including the location of associated pumps where applicable.
- Plans shall clearly show all infrastructure associated with the irrigation system including pipes, valves, control box/es, sprinkler/dripper heads, taps, meters and pumps. The plan shall clearly show irrigation zones and stations.
- The drawings shall be of survey quality and show x, y and z dimensions.
- For systems using non-potable water, a plan shall be provided showing the installation and placement of the pump and associated infrastructure.

7.10.3.12 Artworks

- Drawings shall include a complete set of detailed drawings plus a Base Plan in ACT Grid coordinates showing their location.
- All artworks shall be shown on the summary drawing represented as a point.

7.10.3.13 Power Outlets/Bollards

- Drawings shall include a complete set of detailed drawings plus a Base Plan in ACT Grid coordinates showing their location including the location of the associated electricity meter.
- All power outlets/bollards shall be shown on the summary drawing represented as a point.

7.10.3.14 Memorials

- Drawings shall include a complete set of detailed drawings.
- All memorials shall be shown on the summary drawing represented as a point.

7.10.3.15 Park Shelters

- Drawings shall include a complete set of detailed drawings.
- All shelters shall be shown on the summary drawing represented as a point.

7.10.3.16 Fences, Gates and Bollards

- Drawings shall include a complete set of detailed drawings plus a Base Plan in ACT Grid coordinates showing their location.
- In the summary drawings fences and lines of bollards shall be represented as linear features. Each gate shall be considered a single feature and shall be represented as a point.

7.10.3.17 Open Space Garbage Bins

- Drawings shall include a complete set of detailed drawings where the installation includes a bin stand or shroud that attaches to or covers the bin.
- In the summary drawing bins shall be shown as a point.

7.10.3.18 Fitness Circuits

- Complete set of detailed drawings of each fitness station structure shall be supplied including a Base Plan showing their individual locations.
- In the summary drawing each fitness station shall be shown as a point.

7.10.3.19 Community Noticeboards

- Complete set of detailed drawings of each noticeboard structure shall be supplied including a Base Plan showing their individual locations.
- In the summary drawing each noticeboard shall be shown as a point.

7.10.3.20 Poster Silos

- Complete set of detailed drawings of each silo shall be supplied including a Base Plan showing their individual locations.
- In the summary drawing each silo shall be shown as a point.

7.10.3.21 Barbecues

- Complete set of detailed drawings of each barbecue shall be supplied including a Base Plan showing their individual locations.
- In the summary drawing each barbecue shall be shown as a point.

7.10.3.22 Decks, Viewing Platforms and Stages

- Complete set of detailed drawings of each deck/viewing platform shall be supplied including a Base Plan showing their individual locations.

- In the summary drawing each deck/viewing platform shall be shown as a point.

7.10.3.23 Operations and maintenance manuals

Manufacturers' documents/drawings for any installed equipment shall be provided.

7.11 Sportsgrounds

7.11.1 Asset Description/Data

Complete data shall be provided in detail in Form SG1

7.11.2 WAE Drawings

Drawings shall identify:

- positions in Base Plan (ACT Grid coordinates) and asset number of each new and existing asset, including buildings, floodlight columns, back-nets and goalposts;
- plans of all buildings, including floor plans, hydraulics and electrical layouts;
- full irrigation plans;
- landscape plans;
- position in Base Plan (ACT Grid coordinates) and asset numbers of new and existing irrigation and floodlight controllers, and
- details of floodlight columns, including column type, luminaire type and number.

7.11.3 Operations and maintenance manuals

Manufacturers' documents/drawings shall be provided for the:

- irrigation system;
- lighting systems, and
- other plant e.g. water or sewer pumps.

7.12 Waste

7.12.1 WAE Drawings

Drawings shall be provided showing all common collection points and waste enclosures on the territory land.

8 Annexure

Cover Sheet for Asset Description Form Submission Form No PC1

Road Assets Form No RD1

Path and Paving Assets Form NoRD2

Car park Assets Form No RD3

Street Lighting Assets Form No RD4

Bridges, Structures and Road Safety Barriers Form No RD5

Stormwater Assets Form No RD6

Traffic Assets Form No RD7

Bus Assets Form No RD8

Soft Landscape Assets Form No LS1

Fences and Landscape Barriers Form No LS2

Landscape Structures Form No LS3

Landscape Street and Park Furniture Form No LS4

Landscape Signage Form No LS5

Irrigation Assets Form No LS6

Water Feature Assets Form No LS7

Playground Assets Form No PG1

Sports ground Assets Form No SG1

ATTACHMENTS

Attachment A: Document No. AA-SCS-08 Works as Executed Quality Records Submission Cover Sheet

Form No. PC1 Cover Sheet for Asset Description Form Submission

ATTACHMENT A : Works as Executed Quality Records Submission Cover Sheet

To Senior Manager, Asset Acceptance, Territory and Municipal Services

Macarthur House, 12 Wattle Street, Lyneham ACT 2602

Project Title:

Project Description:

Submission Status: Original Submission Resubmission

Design Consultant:

Address:

Contact Name: Telephone:

Applicant's Reference: email:

SUBMISSION CONTENTS

Covering Letter:

- Asset Report:
- Works as Executed Quality Records:
- Summary of Construction Quality Records
- Conformance Record:
- Operations and Maintenance Manuals:

Number of sets of documents:

Date of Submission:

SUBMISSION IMPACT

Ref. Clause	Element	Original Submission		Resubmission		
		Circle as applicable		Circle as applicable		
7.1	Roads	Yes	No		Yes	No
7.2	Paths and Paving	Yes	No		Yes	No
7.3	Carparks	Yes	No		Yes	No
7.4	Street Lighting	Yes	No		Yes	No
7.5	Bridges and associated structures	Yes	No		Yes	No
7.6	Stormwater	Yes	No		Yes	No
7.7	TCDs and Traffic Signals	Yes	No		Yes	No
7.8	Road Safety Barriers	Yes	No		Yes	No
7.9	Bus Stops and Shelters	Yes	No		Yes	No
7.10	Landscape and Street Furniture	Yes	No		Yes	No
7.10	Landscape Structures	Yes	No		Yes	No
7.11	Sportsgrounds	Yes	No		Yes	No
7.12	Waste	Yes	No		Yes	No
	Other	Yes	No		Yes	No

1. These Documents are submitted for review, comments and approval.
2. All Documents are in accordance with the design brief and have been prepared in accordance with the Requirements detailed in Reference Document AA-REF-08 Requirements for Works as Executed Quality Records.

Certified by:

Print name: Signature: Date:

ATTACHMENT B: Cover Sheet for Asset Description Form Submission**Form No PC1**

Suburb: Block/Section

Location:..... (Street Number/Name).

Drawing Numbers:

Consultant: Contractor:

Consultant's Signature Completion Date:

List of Attached Asset Description Forms

(✓)	Form No.	Description	No. of
<input type="checkbox"/>	Form No RD1	Road Assets	
<input type="checkbox"/>	Form No RD2	Path and Paving Assets	
<input type="checkbox"/>	Form No RD3	Car park Assets	
<input type="checkbox"/>	Form No RD4	Street Lighting Assets	
<input type="checkbox"/>	Form No RD5	Bridges and other Structural Assets	
<input type="checkbox"/>	Form No RD6	Stormwater Assets	
<input type="checkbox"/>	Form No RD7	Traffic Assets	
<input type="checkbox"/>	Form No RD8	Bus Assets	
<input type="checkbox"/>	Form No LS1	Soft Landscape Assets	
<input type="checkbox"/>	Form No LS2	Fences & Landscape Barriers	
<input type="checkbox"/>	Form No LS3	Landscape Structures	
<input type="checkbox"/>	Form No LS4	Street & Park Furniture	
<input type="checkbox"/>	Form No LS5	Landscape Signage	
<input type="checkbox"/>	Form No LS6	Irrigation Assets	
<input type="checkbox"/>	Form No LS7	Water Feature Assets	
<input type="checkbox"/>	Form No SG1	Sportsground Assets	

Other Attached Documentation

(✓)	Documentation	No. of
<input type="checkbox"/>	CCTV Report	
<input type="checkbox"/>	CCTV Videos or DVD	
<input type="checkbox"/>	Tie Books	
<input type="checkbox"/>	WAE Drawings in Hardcopy Format	
<input type="checkbox"/>	WAE Drawings in PDF Format	
<input type="checkbox"/>	WAE Drawings in AutoCAD Format	
<input type="checkbox"/>	Guide Sign Inventory Forms. Completed with Photos, Drawings & Installation Details	
<input type="checkbox"/>	Operation & Maintenance Manual	
<input type="checkbox"/>	Locks & Keys	
<input type="checkbox"/>	Construction Quality Summary Records	
<input type="checkbox"/>	Warranty Documents	
<input type="checkbox"/>	Compliance Documents	
<input type="checkbox"/>	Asset Photographs (JPG)	

Carpark Assets

Total Costs \$

Form No RD3

	Ground	Level 1	Level 2	Level 3	Level 4
Area (m ²)					

Access Type

**Sub-total
Cost \$**

Unrestricted					
Boom Gate					
Locked Gate					
Hours of Operation					

No of Parking Spaces Provided

**Sub-total
Cost \$**

Car					
Motorcycle					
Disabled					
Taxi					
Loading Zone					
Bus					
Government Vehicles					
Diplomat					
Doctor					
Private					

Pay Parking

**Sub-total
Cost \$**

No. of Meters					
No. of Voucher Machines					
No. of Attendant Booths					
No. of Auto Pay Machines					
None					

Lighting (✓)

**Sub-total
Cost \$**

Area Lighting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
---------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------

Car park Surface (✓)

**Sub-total
Cost \$**

Concrete	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bitumen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gravel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pavers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Grass	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dirt	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Street Lighting Assets

Total Costs \$

Form No RD4

No. of Street lights	Column / Outreach arm (type, height, make)	Luminaire (type, make)	Globe (type, make, wattage)	Main Purpose for Lighting*
-----------------------------	--	----------------------------------	---------------------------------------	-----------------------------------

New

Sub-total Cost \$

--	--	--	--	--

Asset Numbers				
---------------	--	--	--	--

--	--	--	--	--

Asset Numbers				
---------------	--	--	--	--

--	--	--	--	--

Asset Numbers				
---------------	--	--	--	--

Modified

Sub-total Cost \$

--	--	--	--	--

Asset Numbers				
---------------	--	--	--	--

--	--	--	--	--

Asset Numbers				
---------------	--	--	--	--

--	--	--	--	--

Asset Numbers				
---------------	--	--	--	--

Removed

Sub-total Cost \$

Asset Numbers				
---------------	--	--	--	--

* Main Purpose for Lighting (circle one)

Street, Car park, Path, Crossing, Shopping Centre, Other (please specify)

Bridges, Structures and Road Safety Barriers

Total Costs \$

Bridges and other Structural Assets

Asset type	New	Removed	Replaced	Modified
------------	-----	---------	----------	----------

Bridges **Sub-total Costs \$**

No. of Bridges (see definitions below)				
--	--	--	--	--

Structures **Sub-total Costs \$**

Retaining Wall (m)				
--------------------	--	--	--	--

Culverts **Sub-total Costs \$**

No. of Culverts (see definitions below)				
---	--	--	--	--

Stock Crossings **DELETED**

No. of Stock Crossings				
------------------------	--	--	--	--

Bridge & Culvert Definitions:
 Only include bridges or culverts on this form with a clear span equal or greater than 1.8m or a waterway area greater than 3m².
 All others not meeting this definition shall be included on Form No. RD6 - Storm water Assets Form.

Road Safety Barrier Assets

Asset type	New	Removed	Replaced	Modified
------------	-----	---------	----------	----------

Barrier End Terminals **Sub-total Costs \$**

Type (include Brand and Model for Proprietary Systems)				

Barriers **Sub-total Costs \$**

Box Beam - Bridge Hand Rail (m)				
Wire Rope Fence (m)				
Pipe Over Concrete (m)				
Pipe Crash Barrier (m)				
Reinforced Concrete (m)				
Steel W Section (m)				
Box Steel Barrier (m)				
Timber Barrier (m)				

Stormwater Assets

Total Costs \$

Form No RD6

Asset type	New	Removed	Replaced	Modified
------------	-----	---------	----------	----------

No. of Manholes	Sub-total Costs \$			
1050				
1050 >3m depth				
1200				
1200 >3m depth				
Special				

No. of Sumps	Sub-total Costs \$			
R				
QS				
Plantation				
Special				
Other * (Grated)				

Length of SW Pipes (m)	Sub-total Costs \$			
Stormwater Pipes				

Type & length of Box Culverts (m)	Sub-total Costs \$			
RCBC				

Length of Ties (m)	Sub-total Costs \$			
100mm Ties				
150mm Ties				
Other Size Ties				

No. of End Walls	Sub-total Costs \$			
End Walls				

No. of Intake Structures	Sub-total Costs \$			
Intake Structure				

Length of Cut-off Drains (m)	Sub-total Costs \$			
Open Concrete Invert				
Concrete Lined				
Stone Pitched				
Grout Mat				
Grassed				

No. of Gross Pollutant Traps	Sub-total Costs \$			
Major GPT				
Minor GPT				

Other S\W assets Specify	Sub-total Costs \$			
Dam, Weir, Pond				
Embankment Details				

* (Grated sump = size of grate and supplier/manufacturer)

Traffic Assets

Total Costs \$

Form No RD7

Approved TCD No. TC /

Asset type	New (No.)	Removed (No.)	Replaced (No.)	Modified (No.)
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Regulatory signs **Sub-total
Costs \$**

Stop (R1-1)				
Give Way (R1-2)				
Roundabout (R1-3)				
Keep Left (Right) (R2-3)				
Parking				
Speed Limit (R4-1)				
No Entry				
No Exit				
One Way				
Other				

Warning Signs **Sub-total
Costs \$**

Warning Signs				
---------------	--	--	--	--

Guide Signs **Sub-total
Costs \$**

Guide Sign Asset Numbers				
Street Name Signs				
Others				

Signalised Intersections **Sub-total
Costs \$**

No. of Signalised Intersections				
No. of Roundabout Metering Signals				

Pedestrian Crossings **Sub-total
Costs \$**

Zebra Crossing				
Zebra Crossing With Flashing Amber Lights				
Pedestrian Actuated Traffic Lights - (mid-block)				
Raised Platform				
School Crossing				

Line marking **Sub-total
Costs \$**

Length of Line marking				
------------------------	--	--	--	--

Bus Assets

Total Costs \$

Form No RD8

Bus Stops

Sub-total Costs \$

Asset type	New	Removed	Modified
No. of Bus Stops with Shelters			
No. of Bus Stops without Shelters			

Soft Landscape Assets

Total Costs \$

Form No LS1

OFFICE USE ONLY

File Number

Trees (& Related Infrastructure)	Sub-total Costs \$	Planted/Installed	Removed
No. of Exotic / Native Trees			
No. of Deep Watering Coils			
No. of Tree Grate/Guard			
No. of Permeable Paving Tree Surrounds			

Shrub Beds

Sub-total Costs \$

	Planted/Installed	Removed
No. of Plants		
Mulched Areas (m ²)		
Water Meter Asset No.		
Length of Timber Edging (m)		
Length of Concrete Edging (m)		
Length of Plastic Edging (m)		
Length of Other Edging (m)		

Garden Beds

Sub-total Costs \$

	Planted/Installed	Removed
Area of Garden Beds (m ²)		
Mulched Areas (m ²)		
Length of Timber Edging (m)		
Length of Concrete Edging (m)		
Length of Plastic Edging (m)		
Length of Other Edging (m)		

Raised Planters

Sub-total Costs \$

	Planted/Installed	Removed
Area of Raised Planters (m ²)		
Mulched Areas (m ²)		
Length of Timber Edging (m)		
Length of Concrete Edging (m)		
Length of Plastic Edging (m)		
Length of Other Edging (m)		

Grassing

Sub-total Costs \$

	Planted	Removed
Area of Irrigated Grassing (m ²)		
Water Meter Asset No.		
Area of Dryland Grassing (m ²)		
Area of Native Grassland (m ²)		

Granite Areas**Sub-total Costs \$**

	Installed	Removed
Area of Decomposed Granite Gravel Areas (m ²)		
Length of Timber Edging (m)		
Length of Concrete Edging (m)		
Length of Plastic Edging (m)		
Length of Other Edging (m)		

Fences & Landscape Barriers

Total Costs \$

Form No LS2

OFFICE USE ONLY

File Number

Asset type	New (m)	Removed (m)	Replaced (m)	Modified (m)
------------	------------	----------------	-----------------	-----------------

Fences

Sub-total Costs \$

Mesh				
Pool				
Pipe Railing				
Stock Proof Fence				
Timber				
Steel Balustrade				
Colorbond				
Other				

Gates

Sub-total Costs \$

Agricultural				
Ranger Gate				
Heavy Duty Vehicle Access				
Log				
Cavalletti				
Automatic				
Boom Gate				
Other				

Barriers

Sub-total Costs \$

Log Barriers				
Bollards				
Other				

Walls Within Parks (Structural)

Sub-total Costs \$

Length and face area of Concrete Walls				
Length and face area of Brick Walls				
Length and face area of Timber Walls				
Length and face area of Other Walls				

Walls Within Parks (Non-structural)

Sub-total Costs \$

Length and face area of Concrete Walls				
Length and face area of Brick Walls				
Length and face area of Timber Walls				
Length and face area of Other Walls				

Screens

Sub-total Costs \$

No. of Screens (specify material)				
-----------------------------------	--	--	--	--

Landscape Structures

Total Costs \$

Form No LS3

OFFICE USE ONLY

File Number

Automatic Toilets – Unisex Facility

Model Name	Price per Unit \$
No. of Units	
Water Meter Asset No. for Toilets	

Toilet Block – Standard Public Facility

Sub-total Costs \$

No. of Female Cubicles	
No. of Male Cubicles	
No. of Urinals	
No. of Disabled Cubicles	
Water Meter Asset No. for Toilets	

Asset type	New	Removed	Replaced	Modified
------------	-----	---------	----------	----------

Park Shelters

Sub-total Costs \$

No. of Concrete Shelters				
No. of Brick Shelters				
No. of Timber Shelters				
No. of Metal Shelters				
Value \$	\$	*****	\$	\$

Pergolas

Sub-total Costs \$

No. of Timber Pergolas				
No. of Metal Pergolas				

Sails

Sub-total Costs \$

No. of Sails (specify material)				
---------------------------------	--	--	--	--

Waste Enclosures

Sub-total Costs \$

No. of Concrete Waste Enclosures				
No. of Brick Waste Enclosures				
No. of Timber Waste Enclosures				
No. of Metal Waste Enclosures				

Artworks

Sub-total Costs \$

No. of Sculptures				
No. Of Murals				
Value	\$	*****	\$	\$

Playgrounds

Sub-total Costs \$

Model				
Manufacturer				
Value	\$	*****	\$	\$

Other (includes lake structures, boardwalks, stages and decks)

Sub-total Costs \$

Description				
Value				

Landscape Street & Park Furniture Total Costs \$ Form No LS4

OFFICE USE ONLY	
File Number	

Asset type	New	Removed	Replaced	Modified
------------	-----	---------	----------	----------

Gas Barbecues				Sub-total Costs \$
No. of Single Hotplates				
No. of Double Hotplates				
Meter No.				

Electric Barbecues				Sub-total Costs \$
No. of Single Hotplates				
No. of Double Hotplates				
Meter No.				

Seats				Sub-total Costs \$
No. of Metal Seats				
No. of Timber Seats				
No. of Plastic Seats				

Benches				Sub-total Costs \$
No. of Metal Benches				
No. of Timber Benches				
No. of Plastic Benches				

Tables				Sub-total Costs \$
No. of Metal Tables				
No. of Timber Tables				
No. of Plastic Tables				

Waste Receptacles				Sub-total Costs \$
No. of 120L Wheelie Bins				
No. of 240L Wheelie Bins				
No. of Bin Stands				
No. of Hand-bins				
No. of bin shrouds				

Rails				Sub-total Costs \$
No. of Metal Handrails				
No. of Timber Handrails				
No. of Plastic Seats				

Park Lighting				Sub-total Costs \$
Type & No. of Lights				

OFFICE USE ONLY	
File Number	

Asset type	New	Removed	Replaced	Modified
------------	-----	---------	----------	----------

No. of Town Park Signs				Sub-total Costs \$
Entrance Identification Signs				
Map / Interpretive / Information Signs				
Directional (Fingerboard) Signs				

No. of District Park Signs				Sub-total Costs \$
Major Entrance Identification Signs				
Minor Entrance Identification Signs				
Direction / Map / Interpretive / Information Signs				
300mm High Panel				
600mm High Panel				
900mm High Panel				

No. of Neighbourhood Park Signs				Sub-total Costs \$
Direction / Interpretive / Information Signs				
2100mm High Signs				
1200mm High Signs				

No. of Other Urban Open Space Signs				Sub-total Costs \$
Direction / Map / Interpretive / Information Signs				
300mm High Panel				
600mm High Panel				
900mm High Panel				

No. of Commercial Signs				Sub-total Costs \$
Timber Signs				
Metal Signs				
Other Signs				

No. of Poster Silos				Sub-total Costs \$
Timber Poster Silos				
Concrete Poster Silos				
No. of Community Noticeboards				

Irrigation Assets**Total Costs \$****Form No LS6**

OFFICE USE ONLY	
File Number	

Controllers**Sub-total Cost \$**

Controller Model	
Irrigation Controller Software	

Sprinkler Heads**Sub-total Cost \$**

Manufacturer	
Total No. of Sprinkler Heads	

Zones**Sub-total Cost \$**

No. of Zones	
--------------	--

Water Feature Assets**Total Costs \$****Form No LS7**

OFFICE USE ONLY	
File Number	

Ponds**Sub-total Costs \$**

Perimeter (m)	
Area (m ²)	
Pump Model (if applicable)	

Wetlands**Sub-total Costs \$**

Perimeter (m)	
Area (m ²)	
Pump Model (if applicable)	

Fountains**Sub-total Costs \$**

Name of Fountain	
Pump Model (if applicable)	

Water Feature**Sub-total Costs \$**

No. of Water Features	
Pump Model (if applicable)	

Drinking Fountain**Sub-total Costs \$**

No. of Drinking Fountains	
---------------------------	--

Water Meter**DELETED**

Water Meter Asset No.	
-----------------------	--

Other**Sub-total Costs \$**

--	--

OFFICE USE ONLY	
File Number	

Playground Make:		Installation Date:	
Playground Model:		Installer Name:	
Installation/Asset cost:			
Play Equipment	Description	Number	Years
Access climber			
Accessories			
Basketball			
Bridge/ramp			
Bridge			
Boat bow			
Circular climber			
Climber net			
Climbing structure			
Cricket pitch			
Guard rail panels			
Hoop climber			
Metal structure			
Non conforming items			
Other			
Overhead apparatus			
Platforms			
Play structure			
Pole slides/bars			
Porthole			
Roof			
Sculpture			
Skate ramp			
Skate coaster			
Slide			
Spinning/rotating items			
Spring equipment			
Steps/ladder			
Stepper			
Swings			
Timber structure			
Tunnel			
Other (e.g. shopfronts; cut-outs; tic tac toe playground surrounds; etc)			

Sportsground Assets

Total Costs \$

Form No SG1

OFFICE USE ONLY

File Number

Fields

Sub-total Costs \$

No. of Fields

Grandstands

Sub-total Costs \$

No. of Grandstands

Pavilions / Toilets

Sub-total Costs \$

\$

\$

	Pavilion 1	Pavilion 2	Pavilion 3
No. of Toilets – M / F / Disabled			
No. of Change Rooms – Team / Umpire			
Canteens			
Store			

Lighting

Sub-total Costs \$

Type of Power Boxes – Mounting / Location

No. of Power Boxes

Type of Lights

No. of Columns /Lights

Sport Facilities

Sub-total Costs \$

No. of Goalposts by Code

No. of Softball / Baseball Nets

No. of Cricket Nets

No. of Concrete Pitches

No. of Synthetic Pitches

No. of Turf Pitches

No. of Discus Pads

No. of Shot-put Pads

No. of Long Jump Pits

Water Meter

DELETED

Water Meter Asset No.

Other

Sub-total Costs \$