



# REINSTATEMENT SPECIFICATION



# Document Control

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1.0	AUGUST 2012		FINAL
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## 1. SCOPE

This manual provides guidance on the reinstatement of Council controlled roads when excavating, along or across any Council controlled lands for service installations, relocation of existing services, drainage or other reasons. All work shall conform to this manual unless otherwise approved by the City of Playford.

Government Authority (Federal or State) controlled roads must be reinstated in accordance with the standards set by that authority. Notwithstanding, any variation to certain requirements which any Government Authority (Federal or State) may consider it can exercise by virtue of its own or any other enabling legislation with respect to any underground installations, *the technical and quality standards of roadwork and materials specified herein are the minimum acceptable* within the meaning of words “make good” or “reinstate” used in most such legislation.

## 2. DEFINITIONS

- ‘Manual’ means this document.
- ‘Council’ means City of Playford.
- ‘Service Authority’ means any Statutory Authority, Government Department, Corporate body or any other organisation (private developer, State or Federal) responsible for the excavation and reinstatement referred to in this manual.
- ‘Works’ means the planned excavation and reinstatement.

Whilst all reasonable care has been taken in its preparation, The City of Playford does not guarantee, and accepts no legal liability arising from or connected to, the accuracy, reliability, currency, suitability, or completeness of the material.

## 3. ROAD SURFACING TYPES

The road pavement types this manual applies to are

- Spray seal
- Flexible asphalt
- Deep lift asphalt
- Concrete
- Block paver
- Unsealed

## 4. PROCESS OF THE WORKS

### General

The Service Authority shall notify Council where and when it carries out excavation on, along or across any Council controlled land. Notification needs to be made 4 weeks in advance (see notification of proposed works process below).

Where either the road pavement or shoulder is damaged, or excavation of same is necessary in emergency situations, then the Service Authority shall provide verbal notification to the Council, as soon as practicable after the emergency becomes known, in order that regular inspections and arrangements for final reinstatement and maintenance period commencement can be made.

Attachment of Services to Bridge and Culvert Structures Drawings, including fixture details, are to be submitted to the Council at least six weeks for review prior to commencement of works.

Identification of Completed Work within the Maintenance Period After completion of the work, and at any time upon request within the maintenance period the Service Authority shall supply the Council with details, including drawings, size, location and date constructed, of their reinstatement.

The Service Authority shall be responsible for the safety of vehicle, bicycle and pedestrian traffic for the duration of the work and all measures shall be taken and adequate warning given to traffic to ensure safety around the worksite in accordance with the AS1742.3 “Manual of Uniform Traffic Control Devices”, (2019)

The Service Authority shall supply to Council a copy of their Work Health and

Safety policies or if none available, agree to the specific conditions as per the Work Health and Safety policies of the City of Playford.

The Service Authority is to show to Council proof of Public Liability insurance to the value of 20 million dollars.

### Notification of Proposed Works

Notification should be formally given to Council 4 weeks prior to the Programmed Works in writing requesting approval under Section 221 of the Local Government Act. Application can be made from the Council web site [HERE](#)

### Approval Granted

Council will notify the Service Authority of their approval to the said works and to include any alterations, specifications, timeframes and any concerns e.g. Native vegetation, future works and planning requirements.

### Undertaking of Works

Council is to be notified 48 hours prior to the commencement of works to enable the relevant inspections to occur, to confirm location, compliance to specifications and reinstatement.

### Completion of Works

To enable a site inspection by Council, the Service Authority, within 7 days of completion of the works shall notify Council of the completed works and supply Council with a Plan of the finished product showing:

- the location
- the depths of the service
- any reference to on site features such as boundaries, posts, and buildings
- measurements of location and size of services
- any other services depicted
- references to any known easements

## 5. EXCAVATION

### Working Hours

Trenching which is likely to reduce traffic volumes should be avoided before 9.00 a.m. and after 4.00 p.m. on peak flow traffic lanes, unless unavoidable due to emergency circumstances, or otherwise approved by the Council. When trenching close to the vicinity of a school trenching cannot occur before 9:30am

Works shall be organised to cause minimal disruption to traffic, pedestrians and access to properties at all times. Approximately one half of the carriageway shall remain open to traffic at all times, unless otherwise approved by the Council.

### Detector Loops

All the necessary care and precaution shall be taken to prevent damage occurring to the detector loops where excavation is to be undertaken in the vicinity of traffic signals or pedestrian crossings. Where damage occurs, the Service Authority shall lodge an order with the Department for Planning Transport & Infrastructure to cover the cost of repairing detector loops.

### Saw Cut

The trench shall be saw cut to the full depth of the existing asphalt surface. Where cement stabilised pavement exists, the pavement shall be saw cut to the full depth (unless restricted by cutting equipment) to minimise damage to the surrounding pavement.

### Excavated Material

Excavated material shall not be reused in the reinstatement of trenches and shall be removed from the site and appropriately disposed.

### Trench Width

Minimum trench width shall be 300 mm. All cut bitumen edges to be overlapped between new and existing asphalt and crack sealed. Any damage to side of trenches is the responsibility of the contractor to repair.

## 6. BACKFILL

Prior to backfill operations, all loose rubbish and foreign material shall be removed from the excavation.

Excavation shall be backfilled with Sand Type Sa-C and shall be uniformly compacted in horizontal layers nominally not exceeding 200mm thickness to the dry density determined using AS1289, test method 5.2.1 (modified compaction). Refer to DIT Pavement Reinstatement Manual: Section 3 – Figures 3-1 to 3-6 for details of build-up.

## 7. PAVEMENT REINSTATEMENT

### Spray Seal Pavement

Reinstatement shall be generally in accordance with DIT Pavement Reinstatement Manual: Part 3 – Figures 3-1

- Minimum 300mm subbase consisting of Type PM2/20QG to 98% MMDD and compacted in two equal layers to AS1289
- Minimum 150mm base course consisting of Type PM1/20QG to 98% MMDD to AS1289
- Spray seal to be applied in two coats to match existing

### Flexible Pavement

Reinstatement shall be generally in accordance with DIT Pavement Reinstatement Manual: Part 3 – Figures 3-3

- Minimum 250mm subbase consisting of Type PM2/20QG to 98% MMDD and compacted in two equal layers with 60% OMC to AS1289
- Minimum 150mm base course consisting of Type PM1/20QG to 98% MMDD with 60% OMC to AS1289
- Base Course to be primed and allowed to cure in accordance with manufacturers directions.
- Asphalt to be minimum 40mm thick AC10M C320

### Deep Lift Pavement

Reinstatement shall be generally in accordance with DIT Pavement Reinstatement Manual: Part 3 – Figures 3-4

- Minimum 250mm subbase consisting of Type PM2/20QG to 98% MMDD and compacted in two equal layers with 60% OMC.
- Minimum 225mm asphalt base course consisting of three equal layers of AC14M C320 with 60% OMC and placed on emulsion prime.
- Asphalt to be minimum 50mm thick AC10M A15E. At intersection and roundabouts use AC10 unless otherwise directed by Council.

### Concrete Pavement

- Subbase to be minimum 125mm thick lean mix concrete (5MPa),
- 0.2mm Polyethylene sheet vapour barrier
- 220mm thick concrete  $F'c = 40\text{MPa}$ . with SL92 Fabric located in top half of slab with Minimum 40mm cover. Concrete colour and finish to match existing.

### Block Pavers

- Minimum 300mm subbase consisting of Type PM2/20QR to 95% MMDD and compacted in two equal layer to AS1289
- Minimum 150mm base course consisting of Type PM1/20QG to 98% MMDD to AS1289
- 25mm bedding sand.
- Pavers should be removed and retained whilst trenching works are undertaken and reinstated upon completion. If blocks are mislaid or broken new blocks are to match existing.

### Unsealed Roads/ Shoulders

Reinstatement shall be generally in accordance with DIT Pavement Reinstatement Manual: Part 3 – Figures 3-6

- Minimum 100mm subbase consisting of Type PM2/20QR to 95% MMDD
- Minimum 100mm base course consisting of Type PM1/20QG to 98% MMDD

### Temporary Pavement Surface

On completion of backfill and pavement reinstatement, it shall be the responsibility of the Service Authority, to maintain the open surface of the reinstated excavation until final asphalt or other bituminous surfacing is completed.

The Service Authority shall ensure the surface is in a safe and trafficable condition for all traffic including bicycles, at all times pending final surfacing. The maximum time temporary pavement is allowed before final asphalt is seven (7) days.

For new subdivisions the pavement is to be reconstructed to the same specification used in its construction. Details of the specification should be sought from Council

### Jointing

The extent of surface reinstatement shall be in accordance DIT Pavement Reinstatement Manual (2023) Section 2 parts 2.6 to 2.15. Materials used are as described above or to match existing as directed by Council. Reinstatement jointing configurations should be in accordance with DIT Standard Pavement Joint Details

- Asphalt basecourse layers (deep lift): Detail 65272 sheet 1.
- Asphalt basecourse layers (deep lift) to granular (flexible): Detail 65272 sheet 2
- Granular base course layers (flexible): Detail 65272 Sheet 3

### Pavement Markings

The Service Authority is responsible for the reinstatement of any painted pavement markings, raised pavement markers or safety bars, which are removed or damaged during trenching works.

Pavement markings are to be in accordance with AS1742 Manual of traffic control devices as modified by the DIT 'Code of technical requirements for the legal use of traffic control devices' (July 2025) and the DIT 'Pavement marking manual' (January 2021).

### Road Furniture

The Service Authority shall replace all road signs, guideposts, guard fence or other road furniture which are temporarily removed or damaged during trenching work, ensuring that all road furniture is made good (including sign mounting heights) and cleaned. This work is to be completed prior to traffic use and road being re-opened to motorists.

### Concrete Kerbing

The Service Authority shall reinstate (in concrete) any concrete kerb and gutter or median type kerb which is removed or damaged during trenching work, ensuring that the kerb profile, conforms with existing. Kerb reinstatement shall be completed by the Service Authority within three days of leaving the worksite and be in accordance with the City of Playford's standard drawings SD100, SD105, SD110,

### Road Drainage Systems

The Service Authority shall report all instances of damage caused to the road drainage systems i.e. culverts, sumps, subsoil drainage, roadside drainage systems etc. incurred during trenching works, to the Council for inspection. All costs for the repairs shall be borne by the Service Authority. Once the damage has been assessed by a Council representative and proposed rectification works agreed to, the Service Authority is to undertake these rectification works at their own cost. Remediation works are to be in accordance with the City of Playford's standard drawings. Once these works are complete, they are to be inspected and signed off by a Council representative.

### Medians/Traffic Islands/Verges

The Service Authority shall reinstate medians, traffic islands, verges and irrigation conduits to conform to the existing surface treatment. The Service Authority is responsible for the replacement of any vegetation (e.g. shrubs, median grasses, etc.) which are removed or damaged during trenching works. Remediation works are to be in accordance with the City of Playford's standard drawings SD100 and SD105

### Native Vegetation

The Service Authority shall take into account all relevant information under the Native Vegetation Act and Local Roadside Vegetation Management Plans using Proper Land Management. The terms 'capability' and 'degradation' are often used with regard to proper land management, and the Soil Conservation and Land Care Act 1989 has defined these terms as follows:

- Capability: in relation to land, means the ability of the land to sustain a particular use without suffering permanent damage or a reduction in future productivity.
- Degradation: of land means a decline in the quality of the soil, vegetation, water and other natural resources of the land, resulting from overgrazing, excessive tillage, over clearing, mineral extraction, development of towns, disposal of wastes, road construction, failure to control plant and animal pests or any other human activity on the land.

### Footpaths/Driveways

The Service Authority will reinstate in concrete, any path/driveway of the same which is removed or damaged during the works in accordance with City of Playford's standard drawings

- Footpaths SD205, SD210, SD215, SD220
- Pram ramps SD125, SD130,
- Driveways SD225, SD235 and SD240

Joints between new and existing kerbing are to be doweled using 1 N12 dowl bar, 450mm long.

### Other Services

It is the responsibility of the Service Authority to arrange for the location of other services, such as Telstra, SAPN, Gas etc.

### Sedimentation Control

The Service Authority is to ensure there is minimal dust from works as a result of trenching. If there is extensive trenching the Contractor is to provide a sediment control plan to ensure there is no sediment transport to nearby drainage structures.

## 8. CONFORMITY TESTING

The Service Authority shall submit to Council, copies of laboratory test results to confirm compliance with materials and compaction requirements as specified for any reinstatement works carried out, within 14 days of testing. The Service Authority will be responsible for any works required during a defects period of 12 months.

Testing shall be undertaken by a laboratory registered by the National Association of Testing Authorities (NATA). The arrangement and cost of such testing shall be borne by the Service Authority. It shall be the responsibility of the Service Authority to remove and replace any material used by the Service Authority which does not comply with this Manual.

### Compaction

The following minimum frequencies of testing shall apply:

- 0 – 50 m<sup>2</sup>, minimum 1 test
- 50 – 200 m<sup>2</sup> – minimum 2 tests
- over 200 m<sup>2</sup> – 2 tests and an additional test for every 200 m<sup>2</sup>
- Backfill – No testing required unless otherwise directed by the Council

## 9. MAINTENANCE PERIOD

The Contractor will be responsible for the cost of making good any settlement or other deterioration in the reinstated excavation or other works for a maintenance period of 12 months from the date of completed reinstatement.

The Service Authority shall indemnify and keep indemnified Council against all claims which may arise due to excavations or settlement of excavations until the maintenance responsibility has transferred to Council.

All costs and charges incurred by the Council for any works necessitated by the Council due to non-compliance with the requirements of this Specification for all installations by the Service Authority are to be borne by the Service Authority until the end of the defects period.

Should Council be required within the 12-month maintenance period to undertake remedial work as a result performed by the Service Authority, Council will give notice in accordance with the requirements of Section 339 of the Local Government Act, to the Service Authority of its intentions so that the deficient work may be inspected before rectification.

## CONTACT

Contact Name

Contact Phone Number

## CALL

(08) 8256 0333

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