



# 8900 Saw Cutting Existing Surface

REVISION 16/02/2024

## 8900.1 Introduction

This Supplementary Specification refers to the cutting of existing edges of a pavement with a saw to the dimensions shown on the Drawing to provide a smooth, vertical, uniform edge to enable the new work to be joined smoothly.

### 8900.1.1 Definition of terms

The terms used in this Technical Specification shall be as defined in Clause 2 of MRTS01 *Introduction to Technical Specifications*.

Additional terms used in this Technical Specification are defined in the Table below.

Term	Definition as Applies to this Specification
Cutting Saw	Fit for purpose mechanical circular saw used to cut through asphalt, bitumen, and gravel base courses, also known as concrete saw, cut-off saw, road cutting saw and can be hand held and operated or a wheeled walk behind machine

## 8900.2 Referenced Documents

This supplementary specification shall be read in conjunction with the following:

- MRS01 and MRTS01 *“Introduction to Technical Specifications”*;
- Cutting saw manufacturer/supplier user’s manual
- The Project Drawings.

## 8900.3 Description of Work Items

Work items incorporated by this supplementary specification are identified in Section 8900.6 and 8900.7 with individual activities/tasks for measurement and payment sourced from the Bill of Quantities and listed in MRC Supplementary Specification Annexure 8900\_1 Saw Cutting Existing Surface Section 1

## 8900.4 Quality Systems Requirements

### 8900.4.1 Std Test Methods (Testing Regime)

The following minimum testing regime applies to this specification:

Visual survey prior to and after saw cutting of the marked out and cut extents (including depth) as required by the design drawings unless otherwise approved by the Superintendent.

### 8900.4.2 Hold Points, Witness Points and Milestones

The following table represents the minimum inspection requirements for this specification;

Activity	Inspection Type	When
Construction procedure and other required submissions as per Clause 8900.5	Milestone	4 Weeks prior to works commencing



Traffic management in place and all approvals granted as per approved traffic management plan	Hold Point	Prior to any site works commencing
Location survey to locate hidden objects and utilities, as well as DBYD and potholing	Witness Point	Prior to commencing saw cutting works
Final location of proposed area to be cut marked out	Hold Point	During site survey layout.
Procedure and measures in place to protect public	Witness Point	During saw cutting works operations
Final inspection of cut surfacing	Hold Point	Prior to saw cutting equipment leaving the site.

### 8900.4.3 Construction Tolerances

Requirements unique to the project are listed in MRC Supplementary Specification Annexure 8900\_1 Saw Cutting Existing Surface 2.3 or otherwise approved by the Superintendent

### 8900.5 Preliminary

The Contractor is to submit the following documentation 4 weeks prior to commencing work or a prestart is conducted. (MILESTONE):

- Works Procedure
- Environmental Plan
- Traffic Management Plan and TGS's
- Workplace Health and Safety Plan including specific to the saw cutting activity and public safety at the individual site/s with particular reference Exposing workers and others to dust containing Respirable Crystalline Silicates
- Quality management Plan outlining requirements of 8901.4 as a minimum

Other requirements unique to the project will be listed in the MRC Supplementary Specification Annexure 8900\_1 Saw Cutting Existing Surface (MILESTONE)

No site works are to commence without all approvals and traffic management controls being in place. (HOLD POINT).

#### 8900.5.1 Plant and Equipment

The saw cutting machine must be well maintained and kept clean for the intended work and it's required precision. The plant shall be fit for use for the proposed saw cutting surface/materials and depth requirement and it's use must comply with the manufacturers/suppliers operational guidelines submitted as part of the works procedure for approval by the Superintendent including workplace health and safety requirements.

Saw Cutting equipment must be able to adjust the blade to the design plan depth requirement of the cut in millimetres prior to commencing the first cut.

#### 8905.5.2 Saw Cutting Operators

Saw cutting operators must have adequate training and experience in the operation of the saw cutting machine. Each machine must be operated by only trained and experienced operators with appropriate PPE equipment relevant to the task

The Contractor shall include the experience, qualification, skills and training of the personnel as part of the works procedure submission. (MILESTONE)

### 8900.6 Construction



This section lays out the works operations with more detail based on specific requirements of this supplementary specification. Some activities may appear to include items which are stated within other specifications, the purpose is to reinforce that requirement specific to this supplementary specification.

Specific construction requirements associated with these works is detailed in MRC Supplementary Specification Annexure 8900\_1 Saw Cutting Existing Surface Section 5

The Superintendent may direct the depth, width, length, alignment of cut/s to be saw cut at any time.

The Superintendent may order work to cease temporarily on account of which they consider may adversely affect the work or public safety.

At all times during saw cutting activities if infrastructure is damaged or the cutting saw is damaged the Contractor shall halt works and inform the Superintendent of the damage and submit the cause and the proposed course of action (HOLD POINT)

### **8900.6.1 Work Operations**

The minimum depth of saw cut shall be as noted on the design drawings, in the case of a lack of detail the minimum depth shall correlate to the depth of the layer to be cut i.e concrete pathway 125mm, asphalt 35/50mm, or as directed by the Superintendent.

Work operations included in these items include:

**a) Work Operations included in Clause 2.1.5 of MRS “Introduction to Specifications”;**

**b) Supply of all machinery and equipment to undertake works safely;**

All materials, plant, and labour required to carry out the works under this Specification is to be supplied by the Contractor.

All items of machinery and equipment delivered to site shall be inspected upon delivery to site prior to use. The prestart inspection of the plant and equipment shall be in accordance with the Contractors SOP and JSA, and the Manufacturers/Suppliers operational manual.

Any items which are damaged or not supplied with all safety operational requirements are not to be used and are to be returned to the supplier. (HOLD POINT)

**c) Spotting of sawcut line to ensure straight runs;**

The final location of the saw cut/s shall be marked out on site and shall be inspected and approved by an MRC representative prior to saw cutting commencing, this includes marking all hidden objects and infrastructure and their depths. (HOLD POINT)

**d) Saw cutting of surface/pavement**

Prior to commencing saw cutting operations the surface to be cut shall be cleaned of all loose material including broken edges.

The contractor is to ensure public safety during the saw cutting activity with measures in place which reflect the approved Work Place Health and Safety Plan. (WITNESS POINT)

All cuts are to be in accordance with the design drawings or as directed by the Superintendent.

Care should be taken to ensure no damage to other infrastructure such as kerbing. If damage to other infrastructure occurs the contractor is to inform the Superintendent immediately in order to ascertain the extent of damage and any required repair/s. Scope and cost of repairs will be at the discretion of the Superintendent and at no cost to the Principal.

**e) Clean and remove all residue or slurry created from this work operation**

At the completion of saw cutting the site is to be cleaned and all residue or slurry removed, the contractor shall ensure the cut area is in accordance with the design drawings or Superintendents instructions.



## 8900.7 Post Construction

### a) Final Inspection prior to Cutting Equipment Leaving Site

The Contractor shall ensure a final inspection of the saw cut's is carried out with the Superintendent prior to the cutting equipment being removed from the site (HOLD POINT)

## 8900.8 Measurement and Payment

Saw cutting shall be measured in linear metres, as calculated from the details shown on the Drawings, or as directed otherwise by the Superintendent.

Provision for these works shall be included in the scheduled unit rate for the items show in Clause 8900.3 of this Supplementary Specification and annexure. Work operations listed above for Saw Cutting Existing Surfaces shall be claimed per linear metre under the items stated in Clause 8900.3.

Payment for additional saw cutting, as ordered by the Superintendent, shall be by survey, or other agreed method

No separate payment will be made for the works operations specified within this Supplementary specification or it's annexure.

Version Control:

Version	Description	Reviewed / Endorsed	Date
1.0	Original issue	MRC	20.01.2022
2.0	Review of specification	C. Sultana	16.02.2024