

# GRAVEL ACQUISITION

## Fact Sheet

### Purpose

This fact sheet outlines some useful information about gravel acquisition for road construction and maintenance purposes within the Shire of Bridgetown-Greenbushes.

### Background

Gravel is described as a naturally occurring material which is suitable for use as a base (including shoulders) or sub-base for construction.

The taking of materials from private land is allowed under S 3.27 to 3.32 of the Local Government Act with the taking of materials to be subject to an agreement between the Shire and the landowner(s), including but not limited to addressing the royalty to be paid to the landowner(s) and rehabilitation of the pit area.

The Department of Mines and Petroleum produces geological survey mapping for Western Australia. The following tertiary deposits have been identified as most likely to host gravels suitable for road construction specifications:

- **CZL** – Ironstone gravel plains, Laterite, chiefly massive but it includes overlying pizolithic gravel.
- **Tg** – Alluvial deposits, strongly laterised in part, conglomerate sand and clay

### Gravel Acquisition

The Shire is continually on the lookout for prospective new gravel resources. Ideally the Shire would like to have suitable gravel sources throughout the Shire so that carting of materials to specific roadwork jobs can be reduced as much as possible, however that this is not always possible due to the suitability and specification of gravel.

When investigating potential gravel sources from landowners the Shire will focus on areas within the CZL and Tg tertiary deposits.

When landowners approach the Shire seeking to offer gravel sources, the Shire will assess and investigate the suitability of the gravel.

If the quality of the gravel is proven, the Shire will arrange a formal agreement to be signed by both parties.

Other factors to consider when identifying potential gravel sources and procurement are:

- Proximity to planned road works
- Road access
- Cost for extraction
- The size of the gravel source
- The cost of rehabilitation

#### Reference:

A Guide to the Selection and Use of Naturally Occurring Materials as Base and Sub-Base in Roads in Western Australia (Main Roads WA & Australian Geo Mechanics Society 2002).

Standard Specification for Granular Pavement Materials (Golder Associates on behalf of WALGA 2012).

Local Government Guidelines for Road Gravel Supplies in Western Australia (WALGA Version 4.0, July 2021)  
Operational Guideline 96 Searching for Gravel (Main Roads).

*Disclaimer: This information is provided by the Shire in good faith for public guidance. The Shire does not guarantee the accuracy of this information and reference should be made directly to relevant Shire policies, Shire local laws, or other legislation as required. Updated: May 2024*