

# ALDINGA GREEN LAND DIVISION ALDINGA HOW ROAD UPGRADE

ALDINGA  
**GREEN**



## Table of Contents

Introduction.....	1
Methodology .....	2
Design Elements.....	3

DRAFT

## Introduction

BMD will be engaged by the Developer of the Aldinga Green residential development to undertake the re-construction works for the upgrading of How Road between Starfish Drive and Aldinga Beach Road. There are a number of stakeholders directly involved in this project including the City of Onkaparinga, the local residents residing on How Road, the developer and the projects Civil Engineering designers – Wallbridge Gilbert Aztec (WGA).

As a condition of the Development Approval for the Aldinga Green development, Council required the developer to upgrade the road to a “Rural Collector” road. This upgrade will ensure future traffic flows are managed and existing residents will have improved access including the items listed below:

- Removal of the existing pavement material and new materials provided to ensure that the longevity of the road meets council requirements.
- Upright kerb along the western edge and filling of the existing Council stormwater swale, raising of communication pits and the installation of a number of side entry pits to capture stormwater from this side of the road and pipe it to the existing eastern swale. A concrete flush edging will be installed along the eastern side of the road.
- A new 1500mm wide washed aggregate footpath will be installed along the full length of the western side of the road to provide an increased and safer access for pedestrian and resident access.
- New brushed concrete driveway crossovers will be installed for all existing driveways. The crossovers will extend from the back of the kerb layback to the front boundary of the allotment(s).
- The inclusion of designed slow points, similar to that installed in the new Starfish Drive within stage 2 of the Aldinga Green development (refer image below) will reduce speed through this area will provide a safer resident experience.



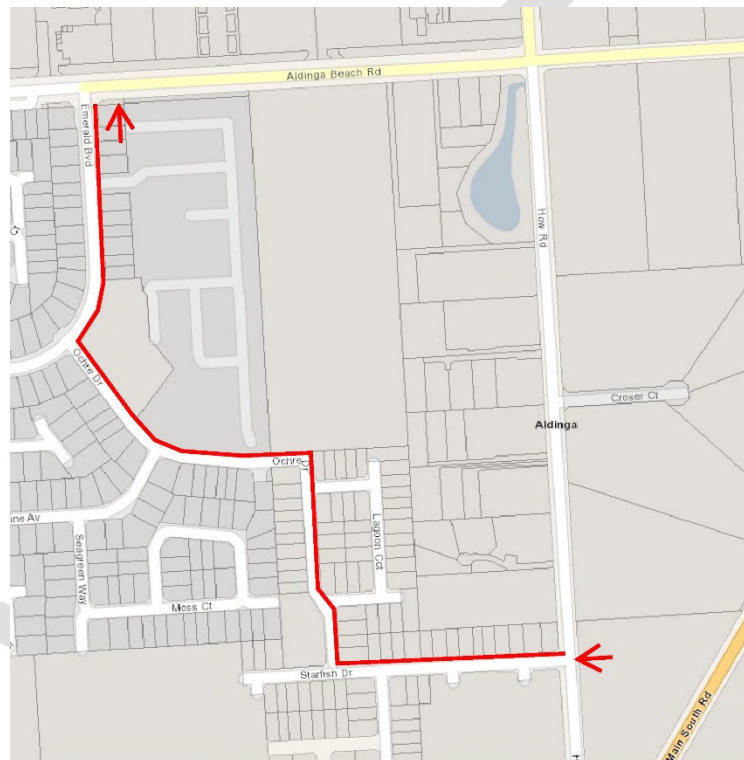
Please note that design is still under consideration and may not be the final outcome and is subject to change by Council and / or the developer.

## Methodology

To be able to undertake construction of such a project, there will be a requirement to have coordination and assistance from all relevant stakeholders, as well as patience from the affected residents on How Road as the constructions works progress.

The current proposal, subject to change of design, to complete these works has been described below:

- BMD propose to close one side of How Road at a time to complete the road upgrade. One way traffic management will be implemented allowing only southbound traffic movement from Aldinga Beach Road to Starfish Drive, utilising a detour through Stages 1-2 of the new Aldinga Green development back out to Aldinga Beach Road.



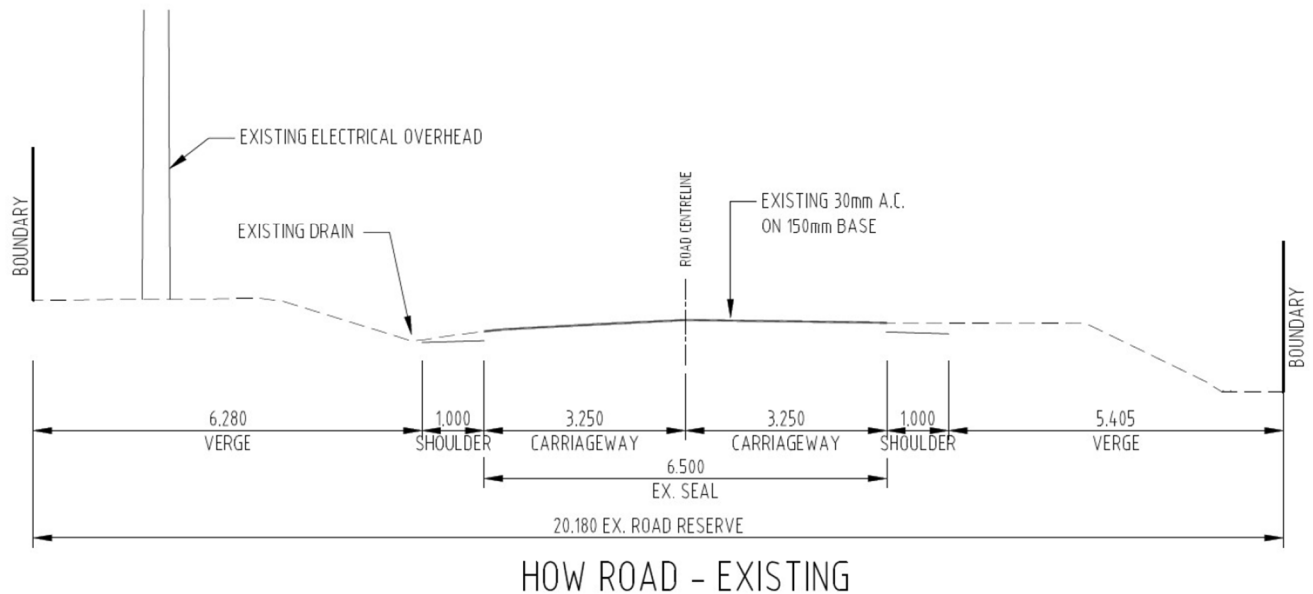
- The existing pavements will then be removed by a profiling machine down to the required levels.
- Existing residents' access will be maintained with temporary rubble access points after the profiling works have been completed. However, during the new pavement construction, access will need to be restricted on days that driveway elements to each property are constructed (these will not be undertaken all at once to reduce the disruption).
- BMD is proposing to complete the eastern lane first as it will be the quickest side to construct as it flush kerb and road pavement only. This approach will better assist us in getting the residents accommodated with the temporary traffic measures before moving to the western lane to complete the remainder of the works.
- This methodology would be applied to the entire length of How Road at once to ensure the works are completed efficiently.

Works of this nature are likely to require a period of approx. 4 months to complete, and possibly starting in early 2024 with completion anticipated in mid 2024.

## Design Elements

Please see below a typical cross section for the existing road and the current upgrade design.

The City of Onkaparinga will provide plans for your review during the consultation process and once this has been finalised and Council approval granted for construction, BMD will undertake a final review and adjustment of any construction methodology that may be required.



VIEW LOOKING NORTH  
(20.2m ROAD RESERVE, 6.5m ROAD)

