

# Technical design note

Project name	Aldi Egremont		
Design note title	Clarification/Description of works associated with new pedestrian access ramp from the footpath of East Road Roundabout into the proposed Aldi site in conjunction with the highway retaining wall.		
Document reference	29348-HYD-XX-XX-RP-S-0100		
Author	Dean Gray		
Revision	P02		
Date	2 October 2024	Approved	✓

## Site Location

Image from Google maps.



## Background

To facilitate DDA compliant pedestrian access to the proposed Aldi site it is necessary to construct a new pedestrian ramp providing a link from the footpath local to East Road Roundabout onto the Aldi site.

The purpose of this Technical Note is to describe the works and clarify that there is no structural impact on the National Highways retaining wall which bounds the site at this point.

This Technical Note is to be read in conjunction with Hydrock drawing DA-0541-HYD-ZZ-XX-DR-C-Ro-50-20-11-7000-S2-P01 - Ramp Sections,

## Description / Main points

There is no alteration proposed the concrete capping to the retaining wall. The footpath levels will be raised slightly so that no reduction in the top of the capping beam is required.

The existing land drain at the base of the existing retaining wall is to remain untouched and any material above the land drain will remain permeable (as existing is). The new tarmac pedestrian ramp inside the Aldi site itself will fall to a drain at the base of the ramp within the Aldi site which will be connected into a positive drainage system.

As can be seen from Hydrock drawing DA-0541-HYD-ZZ-XX-DR-C-Ro-50-20-11-7000-S2-P02 - Ramp Sections, there will be no increase to the retained height of the existing Highway retaining wall, and therefore not additional load is to be imposed on the existing wall.

Any excavation inside the site to construct the new low level ramp wall will be outside of any influence zone of the highway retaining wall and will not impact the wall.

The existing city guard railing is to be modified in conjunction with manufacturers details or a section removed and replaced with a shorter/narrower panel to facilitate the new pedestrian access opening in the city guard railing.

All new fixing anchors of the guard rail into the existing concrete wall will be designed and installed in accordance with DMBR Standard CD 372. Prior to installation the location of fixings must be determined by use of a cover meter to ensure the existing reinforcement bars within the wall are avoided with the new fixings.

Also, the proposal is to adjust the levels at the top of the existing NH stairs to provide a flat 2x2m landing and then grade back to the new pedestrian link, as indicated on AMA drawing Proposed Pedestrian Link 'AMA-48019-SK010-P01'.

## Conclusion

We do not consider there to be any structural or civil engineering impact on the existing highway retaining wall from the construction of the new pedestrian access ramp within the Aldi site. No increased load will be imposed on the existing retaining wall and the concrete capping will not be altered. The retained height of the wall will actually be slightly reduced in places.