



Wedal Road, Cardiff

Drainage Report

Client: Cardiff and Vale University Health Board

Project Ref: CC2801

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CAMBRIA

Report Control Sheet

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Contents

1	Introduction.....	1
2	Site Description	2
1.1	Site Location.....	2
1.2	Topography and Existing drainage	3
3	Proposed Development.....	5
4	Drainage Implications.....	6

Figures

Figure 1 – Site Location Plan (Google Earth)	2
Figure 2 – Extract of Topographical Survey Dated 2016	3
Figure 3 – Extract of CCTV Drainage Survey Plan.....	4
Figure 4 – Proposed Site Plan (The Urbanists)	5

1 Introduction

Cambria Consulting Ltd have been appointed by Cardiff and Vale University Health Board (CVUHB) to produce a drainage report in support of a planning application for the reuse of the former Wedal Road recycling site which closed in 2018.

2 Site Description

1.1 Site Location

The site is located off Wedal Road, located south of the A48, it's bounded by Wedal Road to the north, Nant Y Wedal residential estate to the east, Cathays Cemetry to the South and Lakeside House to the West. The site location is shown in Figure 1 below.



Figure 1 – Site Location Plan (Google Earth)

1.2 Topography and Existing drainage

The majority of the site is covered in hardstanding. There is a ramped access road to the east which raises to around 19m AOD. There are retaining walls around the skip bays, the lower yard areas are around 17.9mAOD. An extract of the topographical survey for the site is included in Figure 2 below.

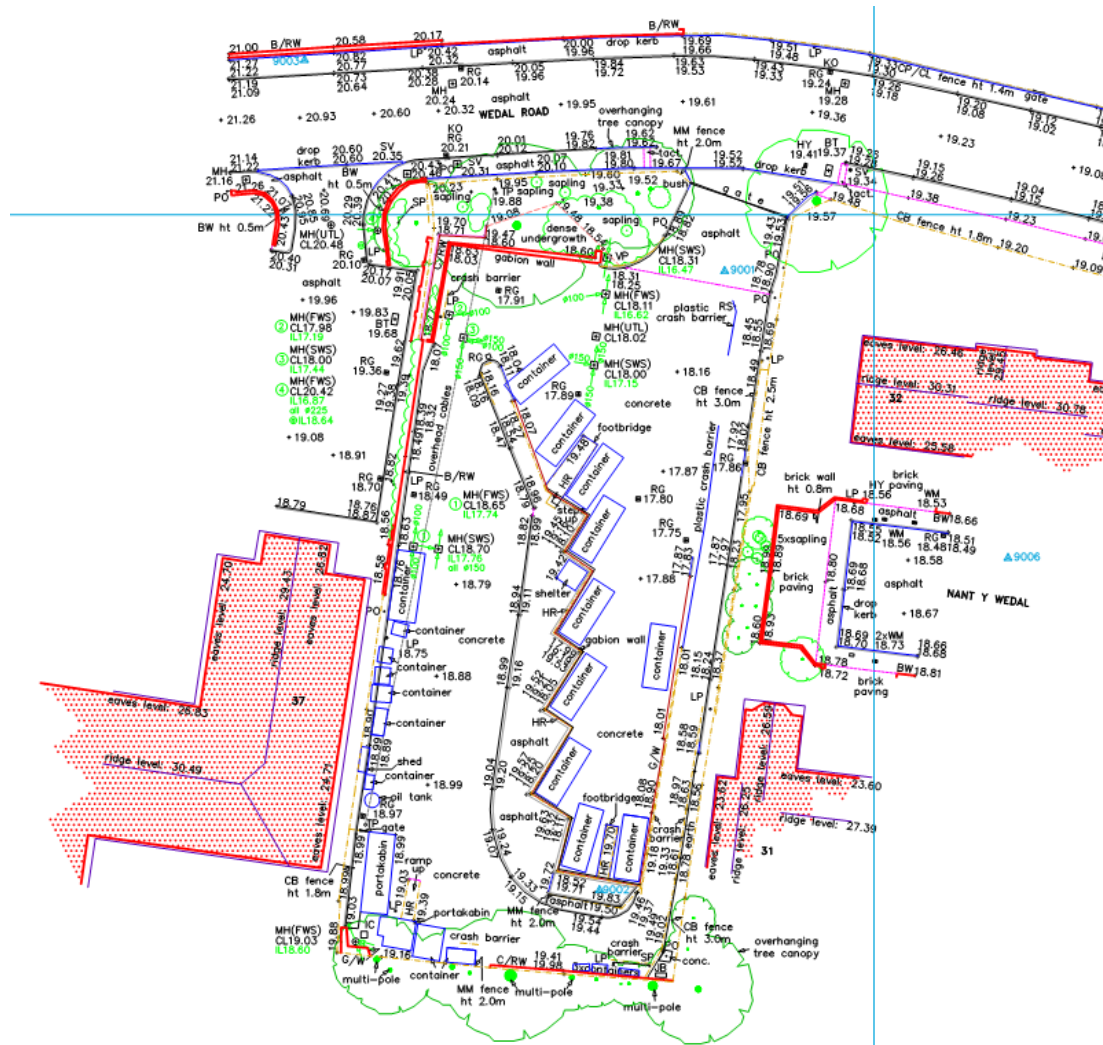


Figure 2 – Extract of Topographical Survey Dated 2016

A drainage CCTV survey has previously been undertaken on the site, a reference plan for the system is shown in Figure 3 overleaf. The survey shows a separate surface water line which serves the yard areas, this passes through an interceptor before joining a combined drainage system and then connecting with the Welsh Water Public Sewer within Wedal Road.

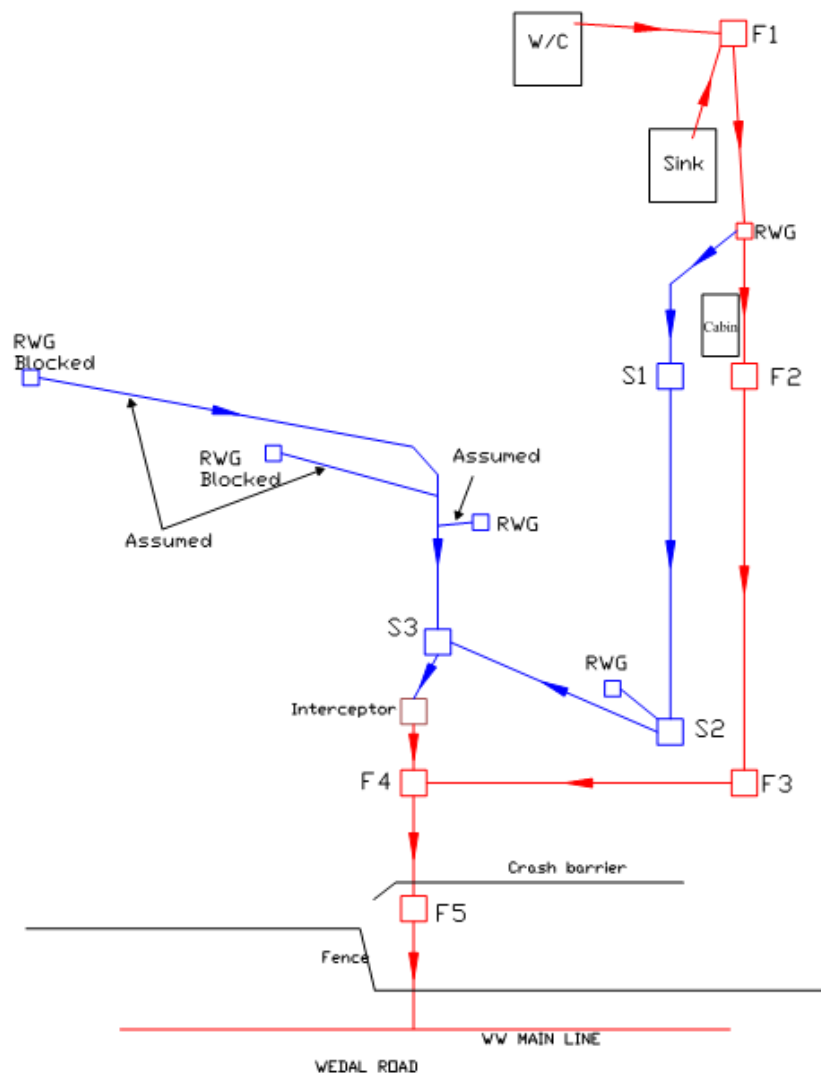


Figure 3 – Extract of CCTV Drainage Survey Plan

3 Proposed Development

The proposed development, shown in Figure 4 below, would include 3 new lockable containers into which the following non-clinical or hazardous waste would be placed;

- ▶ End of life plastics
- ▶ Persistent Organic Pollutant
- ▶ Natural Wood
- ▶ General Scrap

No works are proposed to the existing access or surfaces/hardstandings. The containers are sited within existing skip bays.



Figure 4 – Proposed Site Plan (The Urbanists)

4 Drainage Implications

The proposals do not affect any of the hardstanding surfaces on site and therefore will have no drainage implications as such. The new use of the site would not require a SAB application or any section agreements. The existing connections serving the facility to the combined sewerage network will continue to be used with no increase in flows compared to the previous use.

Recommendations

- ▶ The existing drainage network should be cleaned and maintained on a regular basis.
- ▶ The existing interceptor should be cleaned and inspected and alarm function checked.