A1

RESIDENTIAL DEVELOPMENT PLOT

Surface water and foul drainage from residential development plot to drain to existing 225Ø combined Yorkshire Water sewer that intersects the site.

Surface water attenuation
Approximate attenuation volume required = 26m³
Volume includes a climate change factor of 20%

Flow Control Device.
Max flow restricted to 1.25 l/s

Class 1 NSB 03 Bypass separator.

Class 1 NSB 06 Bypass separator.

RESIDENTIAL DEVELOPMENT PLOT

Surface water and foul drainage from residential development plot to drain to existing 225Ø combined Yorkshire Water sewer that intersects the site.

Surface water attenuation
Approximate attenuation volume required = 65m³
Volume includes a climate change factor of 20%

Flow Control Device.
Max flow restricted to 3.05 l/s

Surface water outfall rate restricted to 10 l/s/ha
Max out fall rate from access road and P&R = 4.3 l/s

Exposed section of existing land drainage culvert owned by Barnsley MBC. Flow passes under railway lines through culvert.

KING STREET
HILL STREET
MILLHOUSE STREET
ELSECAR AND HOYLAND STATION
Prospect House
Cinema
Manse
Homeways
Allotment Gardens

N

Notes

1. All Dimensions in millimetres
2. The design is based on separate drainage systems for the access road and the SYPTE P&R / Pedestrian access route,
3. Design assumes a single outfall to the Barnsley MBC owned land drain in the western corner of the site.
4. The surface water drainage design of the P&R and access road is based on a restricted outfall rate of 10 l/s/ha.

Key

- SW — Surface Water Sewer - Proposed
- pSW — Existing land drainage
- CS — Yorkshire Water Combined Sewer
- FW — Yorkshire Water Foul Sewer
- SW — Yorkshire Water Surface Water Sewer
- Petrol Interceptor
- Flow Control
- Attenuation

P1	02/ 07 / 10	MFS	CW	PI
Planning Submission				
P0	30/ 06 / 10	MFS	CW	PI
Draft Planning Submission				
Issue	Date	By	Chkd	Appd

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Client
Barnsley MBC

Job Title
Elsecar Rail Station

Drawing Title
Surface Water Drainage

Scale at A1
1:500

Drawing Status
ISSUED FOR PLANNING

Job No	Drawing No	Issue
213305	**EL-PL-002**	**P1**

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