


300mm diam. penstock by
Express Valve Services
Unit 18 / 19
The Willows Industrial Estate
Dudley Road
Brierley Hill DY5 1HR
Penstock to be Cast Iron



- ## Dry basin Design Aspects

1. The overall adoption/management must be that the surface water sewer system serving the site is adopted by Severn Trent Water with open storage and outfall structure managed by approved management company
2. The sewer inlet and outlet arrangement needs to be in accordance with UU adoption standards
3. The open storage needs to incorporate safe design principles in accordance with RoSPA H&S Guidelines for Operational Water Bodies.
4. The open storage needs to be sized to accommodate the critical 1 in 100 yr + climate change event volume.
5. The dry basin maximum nominal side slope is 1 in 3.5.
6. The max flood depth is 0.89m in the critical 1 in 30 yr + climate change event.
7. The max flood depth is 1.00m in the critical 1 in 100 yr + climate change event.
8. Basin and adjacent orverts to be planted with locally sourced marginal plant seed free from invasive species. Brown meadow seed mix

E. Full redesign following layout changes and implementation of surface water storage basin 14-8-21



R.A.B.

ENGINEERING DESIGN LTD

12 BERRY HOLME CLOSE

SHEFFIELD S36 1AB

High Grange Developments Ltd

Mill Hill, Cleator Moor

Whitehaven

S16 & S30 details

DRAWN BY

rab

SCALE

1:25

DATE

Aug 21

DRAWING No.

1083-12-6

REV

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PRELIMINARY ONLY