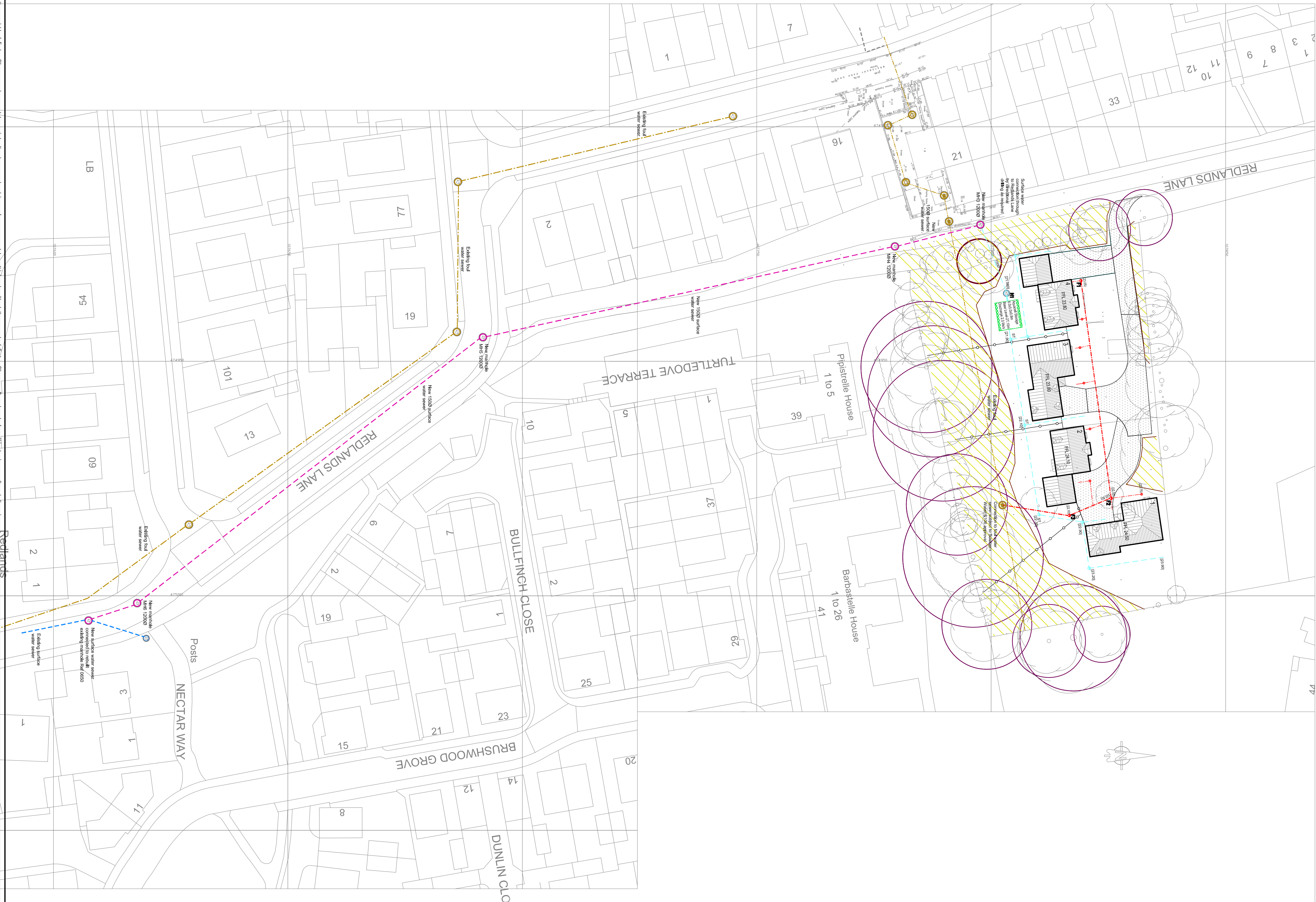




- LEGEND:**
- Existing foul water sewer
 - Existing surface water sewer
 - Proposed surface water sewer constructed by Southern Water under Section 98 regulation
 - Manhole with Hydrobrake flow control limiting outflow to 2.0 lit/sec
 - Domestic surface water drainage
 - Silt trap - 450mmØ
 - Type 3 manhole - 450mmØ
 - Type 4 manhole - 250mm Ø
 - Aquacell cellular attenuation storage tank 6.0 X 5.0 X 0.8m providing 18.4cum storage
 - Permeable surfacing driveway construction
 - Construction exclusion zone (CEZ) to be protected by fencing and/or ground protection
 - Road protection area for A and B category roads

SURFACE WATER DRAINAGE:

On site infiltration tests at various locations to establish suitability of soakaways as a means of surface water disposal have been undertaken. Results have shown that soakaways as a means of surface water drainage are not suitable.

It is therefore proposed to discharge into the public surface water sewer. Southern Water have confirmed that a discharge of 2.0lit/sec is acceptable. The result of a section 98 approved R500 soakaway installed in Redlands Lane 200 metres south of the development site.

The discharge from the site will be limited to a flow of 2.0lit/sec by means of a vortex flow device Attenuation storage for a storm duration of 1 in 100years plus 40%, in line with current Environment Agency criteria to cater for climate change will be provided on site.

Foul Water Drainage:

Southern Water have agreed and confirmed that the existing public foul sewer has capacity to cater for the new development. Connection to the public sewer will be subject to a Section 106 Agreement with Southern Water.

SAFETY, HEALTH & ENVIRONMENTAL INFORMATION
CDM Regulations 2015

In addition to the hazards/risks normally associated with the type of work detailed on this drawing note should be made of the following:

- Working in vicinity of live highway
- Services to be located prior to any work
- Work to be undertaken in close proximity to foul sewers
- Deep excavations

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement. Contractor is not relieved of any of his obligations under all applicable health and safety regulations.

Rev.	Date	Details	Notes
A	08/03/17	First Issue	KN

PRELIMINARY FOR INFORMATION

Project
REDLANDS LANE
WESTBOURNE

Client

IAN WOOD DESIGN CONSULTANT
◆◆◆



ESCHER SILVERMAN
Civil & Structural Consulting Engineers
The Station, Leam Bars Station, Sandridge Lane, Barnsley, West Yorkshire, S20 1DB.
Tel: 01794 521215 Fax: 01794 522195 Email: ian@escher-silverman.co.uk
www.escher-silverman.co.uk

Drawing Title			
Engineering Details			
Drainage Strategy Layout			
Drawn	Checked	Scales	Page Size
KN		1:500	A1
Job No.	Drawing No.	Revision	
ES1660	502-02P	A	

