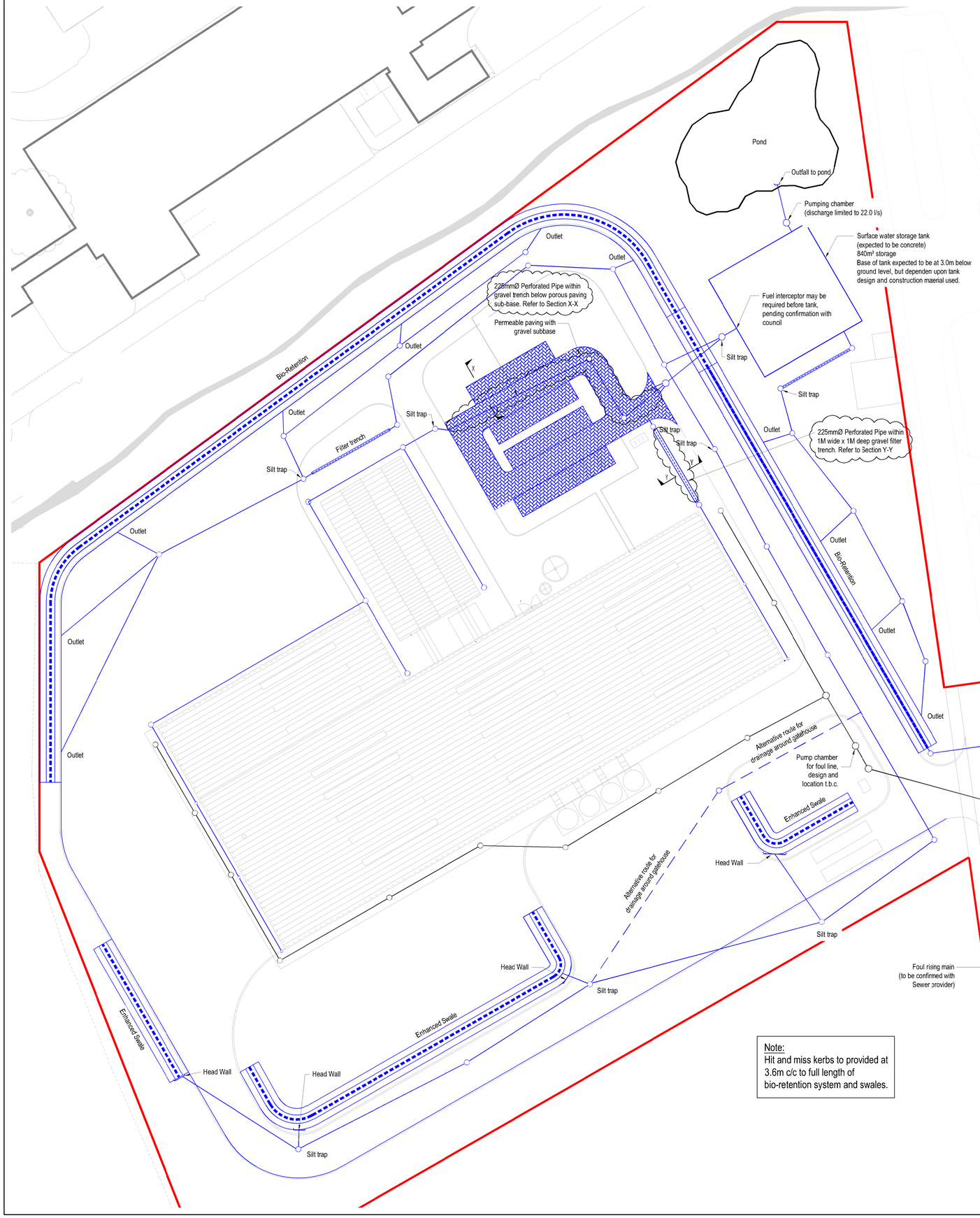
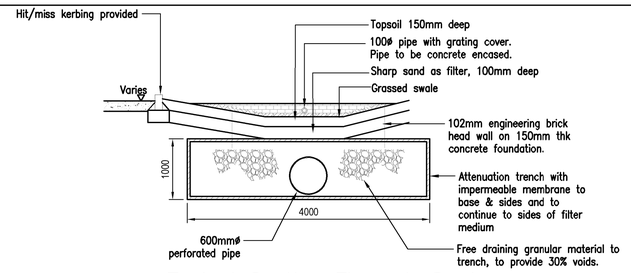
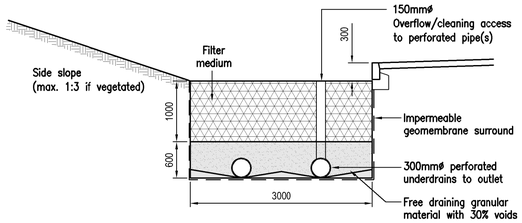


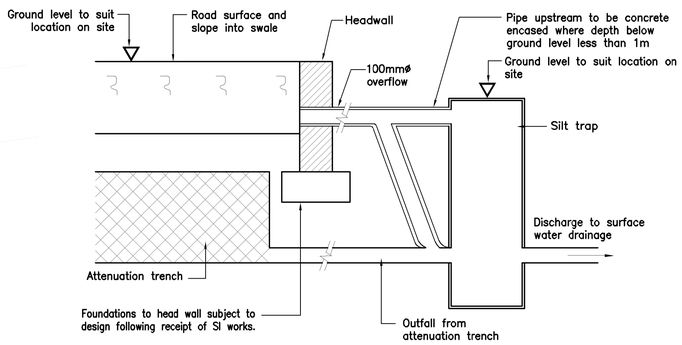
Note:
Hit and miss kerbs to provided at 3.6m c/c to full length of bio-retention system and swales.



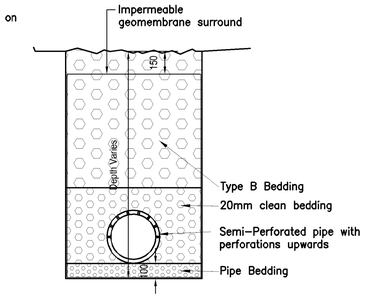
Typical Section Through Swale



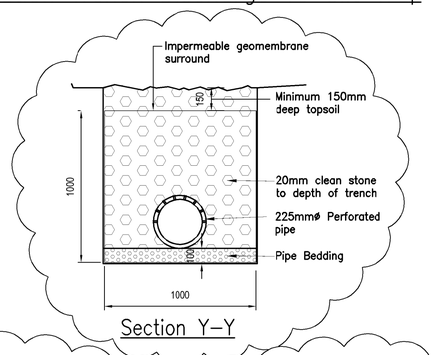
Typical Section Through Bio-Rention System



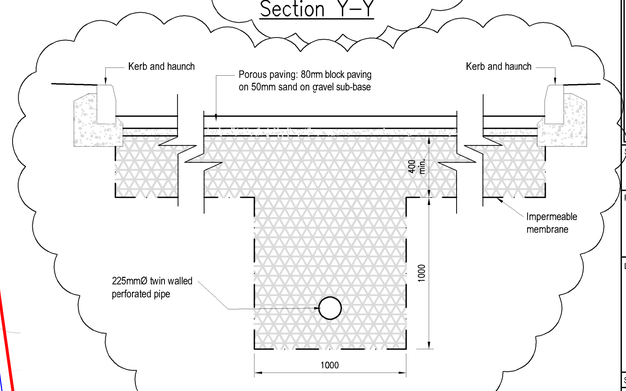
Detail At Attenuation Trench Discharge To Silt Trap



Typical Filter Trench Detail



Section Y–Y



Section X–X

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
4. FOR GENERAL NOTES REFER TO DRAWING.

Note:

Scheme based upon current information and background layout 0098-PL-02. Surface and foul water discharge rates to be agreed with local authority and sewerage provider.

The surface water runoff from all roofed areas and from the car parking spaces will be paised through porous paving to parking bays. This will provide treatment to the runoff as well as storage and slowing of the flow to downstream system. Further treatment will be provided by passing through a below ground stone filter trench prior to being stored within a below ground attenuation tank.

The surface water runoff from the perimeter access road, loading bays and new site access road will be passed through either an enhanced swale or through bio-retenion trenches. These also will provide treatment to the runoff and attenuate and slow the flow to the downstream system. The discharge from the bio-retention and swales will be direct to the below ground attenuation tank.

Discharge from the attenuation tank will be controlled by means of a pump which will lift the water from the attenuation tank into a balancing pond. Runoff will receive a further level of treatment within the balancing pond, prior to eventual discharge into the existing adjacent watercourse.

Rev:	Description:	Date:	By:	Chkd:
P06	PERFORATED PIPE ADDED BELOW POROUS PAVING AREA, GRAVEL TRENCH & PERFORATED PIPE ADDED, ASSOCIATED SECTIONS ADDED.	12/07/18	SS	JAM
P05	UPDATED TO SUIT REVISED SITE LAYOUT	15/06/18	CHG	JAM
P04	UPDATE TO REFLECT REVISED BUILDING LAYOUT	28/02/18	JAM	DP
P03	UPDATED DRAINAGE STRATEGY	05/02/17	CHG	JAM
P02	UPDATED DRAINAGE LAYOUT	25/08/17	JEM	JAM
P01	FIRST ISSUE	31/03/17	SJC	DP

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Status: PRELIMINARY

Project: 064071 Kingmoor Energy Facility

Drg Title: DRAINAGE STRATEGY

Size:	Date:	Drawn By:	Designed By:	Checked By:
A1	19/12/17	DP	DP	JAM

Scale: 1:500

Project No:	Originator:	Zone:	Level:	Type:	Discipline:	Category / Number:	Rev:
064071	CUR	00	XX	DR	C	72100	P06