Design and Access Statement

Site address: Raunds STW, Stanwick Rd, Raunds. NN9 6TQ.

Date: 26th February 2008

Contact details

Applicants name
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Agents name
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Description of development

Erection of one GRP dosing kiosks at Raunds Sewage Treatment Works

1. Use and context

The Development is on an existing Sewage Treatment Works within the operational boundary of the site and consists of a kiosk designed to protect new dosing equipment from the elements.

Raunds Sewage Treatment Works (STW) is operated by Anglian Water Services. AWS is required to ensure that final effluent from the STW complies with its regulatory discharge consent. Under the Urban Waste Water Treatment Directive 91/271/EEC, the removal of phosphate from the final effluent is required to levels contained in the discharge consent. To meet these requirements, additional treatment processes are required on the site involving the installation a kiosk to house the equipment needed.

(The Urban Waste Water Treatment Directive aims to protect surface inland waters and coastal water by regulating collection and treatment of urban waste water and of certain biodegradable industrial waste waters. Depending on the sensitivity of receiving waters, the directive requires secondary biological treatment prior to discharge. The Directive also sets treatment levels on the basis of sizes of sewage discharges).

2. Amount

The proposed development consists of one GRP dosing kiosk with a floor area of 32.63 m². This has been designed as a functional cover to protect the equipment from the elements whilst designed to a minimum to accommodate the equipment. The kiosk will be placed on existing hard standing.

3. Layout

The site has been designed based on the flow hydraulics needed to ensure efficient operation of the site.

4. Scale
The development consists of one kiosk constructed to house dosing equipment to ensure compliance with the phosphate discharge level for this site under the UWWTD

1. Kiosk 9.5m x 3.4m x 3.9m high

5. Landscaping

The works is an existing STW and the kiosk is located within the existing site. The site is surrounded by agricultural land. The A45 lies to the east of the site and there is a housing estate to the south. There is some existing screening around the site. The site is not overlooked therefore, there will be no additional landscaping at this site.

6. Appearance

The kiosks will be constructed in glass reinforced plastic and coloured green BS14C39 as this is the dominant colour of existing buildings/plant on site.

7. Access

The site will be access by an existing access road off Stanwick Road. There will be no alteration to this access road.

Normal access to the site by operators will be by company vehicle, which will use existing access road for access and parking. There will be no increase in traffic to the site.

Entry to the kiosks will be by a personnel door to give access for both maintenance and repair. By the nature of our operation and health and safety issues, we would not expect to employ disabled persons in this environment.