DESIGN AND ACCESS STATEMENT

KEYHAVEN ROAD WPS, MILFORD ON SEA.

DANES STREAM FLOOD ALLEVIATION WORKS

1 FOR THE AVOIDANCE OF DOUBT.

Southern Water's position is that the proposed works are engineering operations works which do not require a Design and Access Statement under the provisions of the GPDO. This Design and Access Statement is therefore submitted on a without prejudice basis and in the interests of expediency to allow the proposed development to be considered.

2 SCHEME DESCRIPTION

The development required as part of the Danes Stream Flood Alleviation Works. The overall scheme comprises construction of two new Wastewater Pumping Stations (WPS), installation of underground storm water storage capacity and work to associated underground sewers. This scheme will alleviate flooding at two domestic properties; it will also reduce the risk of sewer overflow into the ecologically sensitive Danes Stream Marsh in Milford-on-Sea, as well as surface flooding in parts of Keyhaven which lie at low points in the existing sewer system.

Elements of the development requiring Planning Permission are required at the following locations:

- Keyhaven Road – agricultural land - installation of sewerage pumping station including fenced area containing a Control Kiosk, Emergency Generator and Vent Pipe. Contractors temporary compound including formation of a temporary access off Keyhaven Road. A vent pipe associated with new sewer.
- Swallow Drive – greenspace - installation of sewerage pumping station including fenced area containing a Control Kiosk, Emergency Generator and Vent Pipe. This development is the subject of a separate planning application.

3 KEYHAVEN ROAD WASTEATER PUMPING STATION

3.1 Infrastructure Design

The proposed WPS is part of a scheme to alleviate flooding at two domestic properties; it will also reduce the risk of sewer overflow into the ecologically sensitive Danes Stream Marsh in Milford-on-Sea, as well as surface flooding in parts of Keyhaven.

A MCC Kiosk is required to provide a weatherproof cover to house the control panel for the telemetry equipment for the storm overflow tank. It is modest in scale and proportionate to the equipment located in the Kiosk. The Kiosks will be constructed in Glass Reinforced Plastic (GRP) and have a dark green coloured external finish to BS 4800 ref. 14-C-39.

The vent pipes are required to equalise the pressure between the sewer system and the atmosphere. The pipes will be 4.0m tall with a diameter of 0.15m. The flow of air through the pipe is generally into the pump station and therefore there is not expected to be any release of odours from the pipes. However the pipes have been designed with a height sufficient to aid dispersion of any odours that may be released from the sewer system. Overall there are not expected to be any noticeable objectionable odours as a result of the vent pipe installations.

3.2 Keyhaven Road WPS

3.2.1 Site Layout

The WPS is situated adjacent to an existing access into farmland between Milton On Sea and Keyhaven The location has been finalised in consultation with the landowners but is largely dictated by the existing

sewer system and the requirement for new underground temporary storage volume. The fencing around the WPS will be finished in black and it is proposed to provide screening planting to assist in blending the into the surrounding landscape.

One Vent Pipe will be within the compound, the other is to be located immediately adjacent to a field boundary to minimise influence on use of the land.

The WPS and Vent Pipes will not have a dominating presence, and will not have a significant visual impact on the surrounding area once screening planting becomes established.

3.2.2 Access

The WPS will allow access to the control equipment from the highway network without compromising highway safety either from pedestrian or vehicular movements. Access to the WSP will be from Keyhaven Road via the existing farm access.

Maintenance and operation staff in cars / light vans will be required to visit the site approximately monthly for inspection and maintenance requirements. Public transport arrangements will not alter but are largely irrelevant as staff need to carry equipment with them and visit multiple remote sites, so tend to be forced by practicality to travel in light vans.

3.3 Contractors Temporary Compound

3.3. 1 Site Layout

A temporary construction compound is required to provided temporary lay down area, office and welfare facilities to support the Dale Stream Flood Alleviation Scheme at Keyhaven Road and Swallow Drive WPSs.

The proposed location for the compound is on arable agricultural land adjoining Keyhaven Road and the Keyhaven Road WPS. The area of land affected is approximately 2000m^2.

Facilities to be included at the site are:

- Diesel generator (if required).
- Secure store.
- Toilet block.
- Office & meeting room.
- Drying room & canteen.
- Civil store.
- Storage for temporary works shoring,
- Temporary storage of subsoil (60m3) prior to removal to a licensed waste facility.
- Temporary storage of topsoil prior to reinstatement.
- Refuelling area/bunded bowser.
- Materials laydown area for pipes etc.
- Skips recycling area 3 number 6yd.
- Overnight parking of mobile plant.

The compound location and proposed access are shown in Drawings Nos AB.5500153.0Z702, AB.5500153.0Z703, and AB.5500153.0Z707.

3.3.2 Access

Access to the site will be via the temporary compound access off Keyhaven Road. Traffic movements will be managed in accordance with best practice and incorporated within the Site HASEMP. The conclusions of the discussions with Highway Authority which are already taking place, will be incorporated in a Traffic Management Plan. The access and compound will be reinstated to their current condition as soon as practicable as the development is completed. Therefore, there is no ongoing access requirement at this location.

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