

Water quality management during construction

Careys operate an integrated management system which is accredited to ISO14001 standard. Our environmental management system supports our ability to successfully identify significant environmental aspects and impacts as well as implementing measures to mitigate against them. The details identified below will form part of the project specific Environmental Management Plan for the Graven Hill A41 Pioneer roundabout.

General

The current stretch of A41 road consists of an existing network of ditches and culverts which service the road. There is an established discharge route which Careys will look to utilise subject to meeting both water quality and any perimetry or discharge requirements.

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The following good practice measures in line with the [Environment Agency's Guidance on temporary dewatering from excavations to surface water](#) will form part of the project Environmental Management Plan mitigation measures. The guidance indicates the nature of the water discharge (i.e. clean water, discharges not lasting more than 3 consecutive months) will not be subject to a permit application, however we will ensure we consult with the necessary statutory body to confirm these details.

Good practice measures to be adopted on site include:

- Where possible, water will be prevented from entering excavations by covering or using cut off ditches.
- Any water that does accumulate within any excavations will be pumped into a system for treatment such as a settlement tank prior to onward discharge.
- Where treatment systems are used regular inspection will be undertaken to check water quality, with samples being taken as required along with regular maintenance of the settlement tank (e.g., silt emptying).
- Potentially polluting activities such as refuelling and concrete wash out will be carried out in designated areas which are designed to capture and contain any spills, leaks, drips and contain run-off so they can be properly disposed of.
- Any exposed stockpiles will be stored away from ditches and suitably covered and protected to prevent materials being washed away as part of surface run-off.
- As part of the sites pollution prevention procedure there will be provisions such as spill kits and means of containment in the event of a spill. There will also be regular drills and training in the use of equipment for project staff.
- In addition, a site drainage plan shall be established to identify all surface water channels, spill kits, designated storage /fuel/concrete wash out areas.
- Regular staff training will be undertaken via toolbox talk and daily activity briefings to ensure all site staff are aware of the risk and associated mitigation measures.