

ATTACHMENT F4 – SURFACE WATER MONITORING AND SAMPLING

Details of the surface water monitoring and sampling to be undertaken at the proposed waste recovery facility are provided in Section 2.6.10 of the Environmental Impact Statement.

Sampling and testing of surface water at the existing watercourse upstream and downstream of the application site will continue for as long as quarry backfilling activities are underway and for a short time thereafter.

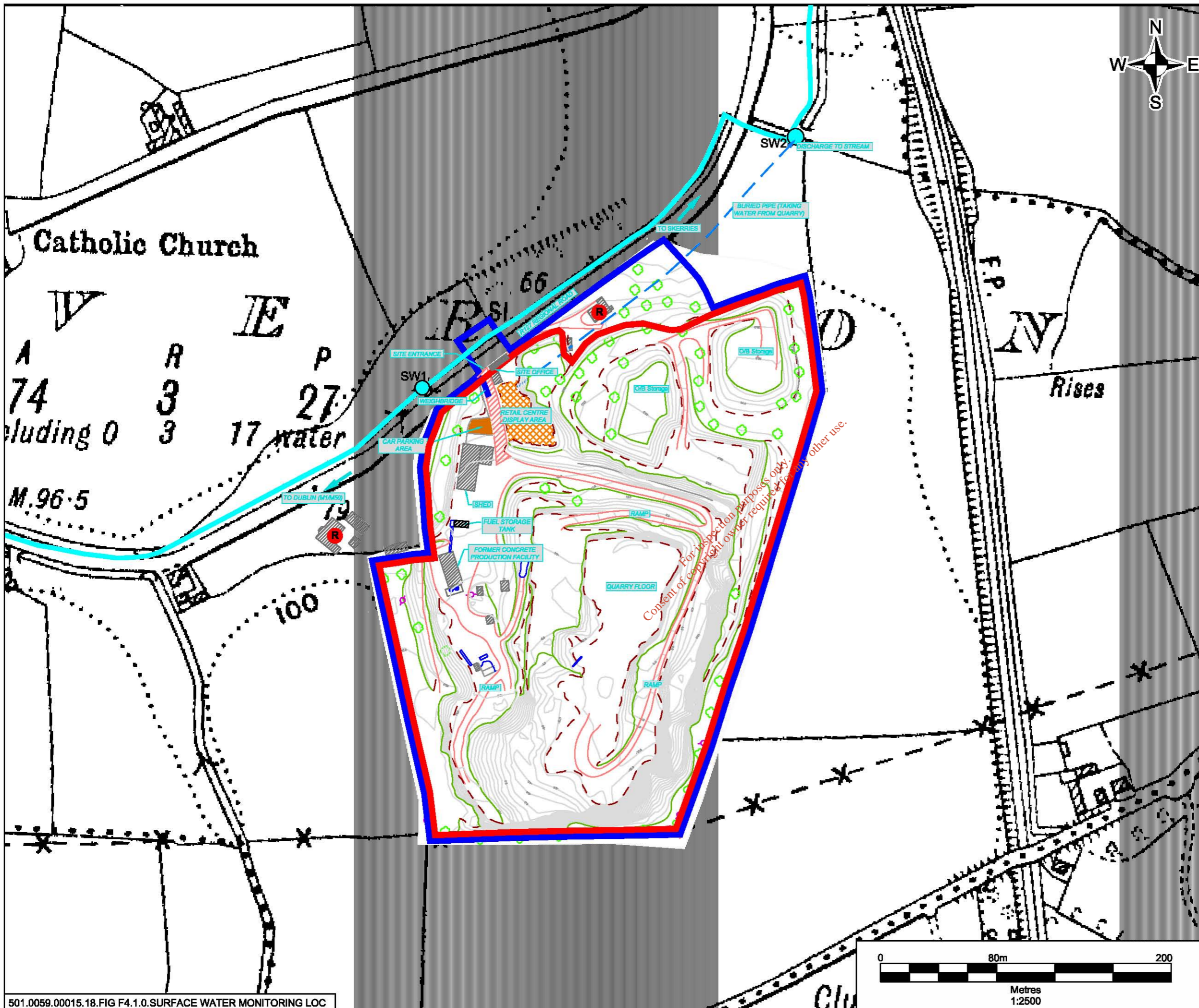
Existing monitoring locations are shown in Figure F4.1 and Figure 2.11 of the Environmental Impact Statement. It should be noted that technically all existing surface water bodies within the application site are deemed to be groundwater features.

Monitoring Reference No.	Parameter	Monitoring Frequency	Location (Grid Co-ordinates)	Accessibility of Sampling Points
SW1	Note 1	Bi-annually	323582E 259158N	Easy : at boundary of open field
SW2	Note 1	Bi-annually	323839E 259330N	Easy : across open field

Note 1 : Surface water test parameters to include Temperature, pH, Dissolved Oxygen, Conductivity, Sodium, Potassium, Chloride, Ammoniacal Nitrogen, Sulphate, Dissolved Metals (Ca, Cu, Fe, Pb, Mg, Mn, Ni and Zn) and Total Alkalinity

Table F4.1 Surface Water Monitoring Points

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NOTES

1. Based on OSI 25inch Dublin Sheet No. 5 & 5a
2. Ordnance Survey of Ireland Licence No. SU 0000709 (c) Ordnance Survey of Ireland & Government of Ireland

LEGEND

	Applicant's Land Interest (c. 8.6ha)
	Waste Licence Application Area (c. 7.9ha)
	Surface Water Monitoring Location
	Buried Pipe
	Top of Bank
	Bottom of Bank
	Road
	Contour Line
	Building
	Internal Unpaved Road
	Internal Paved Road

roadstone

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**SURFACE WATER
MONITORING LOCATIONS**

FIGURE F4.1

Scale 1:2,500 @ A3 Date AUGUST 2009