

## 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 Chapter 2, Paragraphs 2.130 to 2.133 of the Environmental Impact Statement.

Sampling and testing of surface water in any temporary ponds at the application site and at the proposed new settlement ponds / mobile silt trap and oil interceptor (immediately upstream of the existing water holding tank) will continue for as long as quarry backfilling activities are underway and for a short time thereafter.

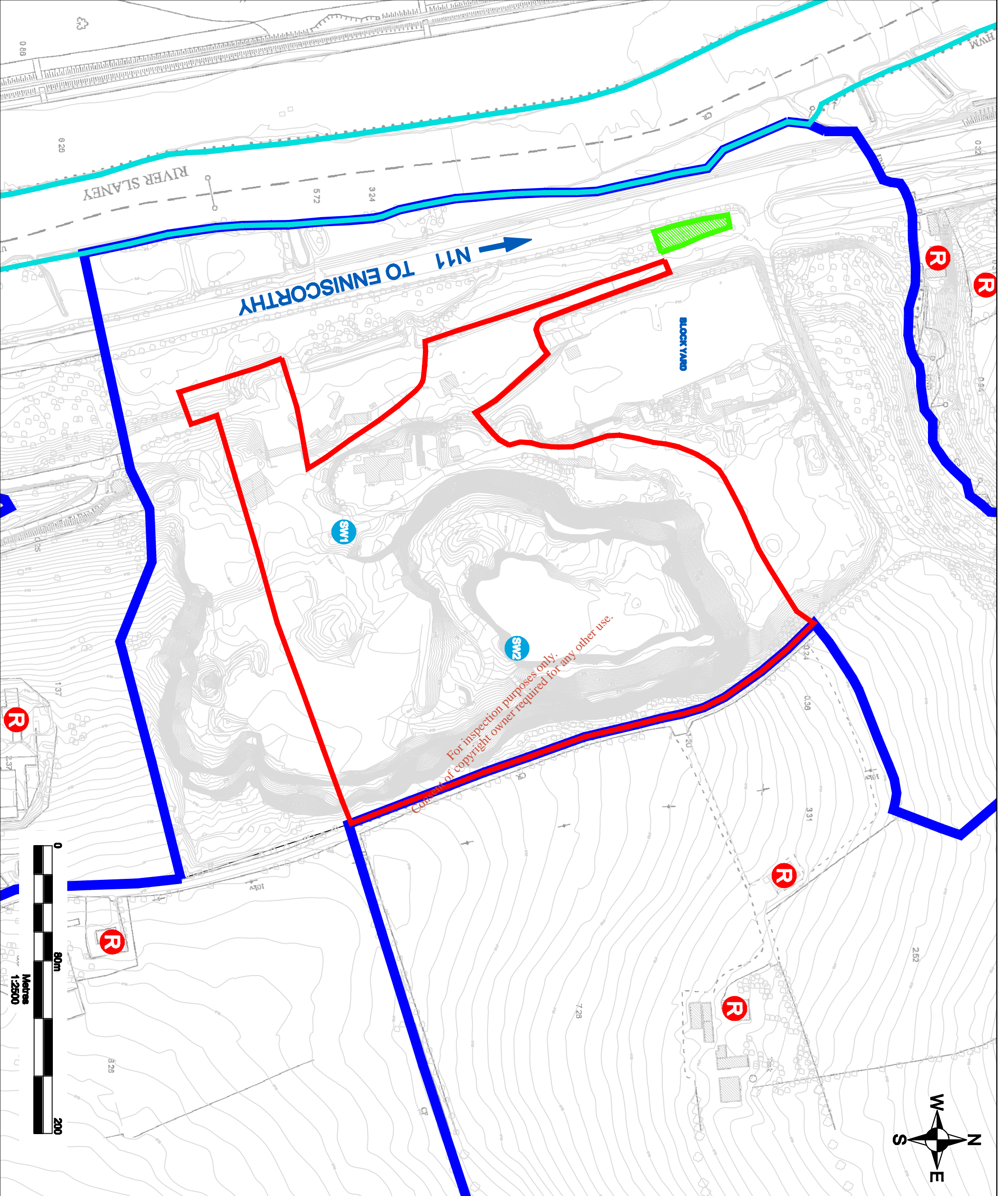
Monitoring locations are shown in Figure F4.1 and Figure 2.6 of the Environmental Impact Statement. It should be noted that technically all existing surface water bodies within the application site are likely to be fed by a combinations of rainfall / surface water run-off and groundwater.

Monitoring Reference No.	Parameter	Monitoring Frequency	Location (Grid Co-ordinates)	Accessibility of Sampling Points
SW1	Note 1	Bi-annually	297870E, 137037N	Easy – at top of quarry void
SW2	Note 1	Bi-annually	Variable	Easy – temporary sumps at quarry floor

**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 ORDNANCE SURVEY DIGITAL INCH MAP NO. WX019, WX020, WX025 & WX026
  2. ORDNANCE SURVEY IRELAND LICENCE SU 000711 (C) ORDNANCE SURVEY & GOVERNMENT OF IRELAND

**LEGEND**

	ROADSTONE WOOD LTD, LANDHOLDING (c. 88.2 ha)
	WASTE LICENCE APPLICATION AREA (c. 8.3 ha)
	AREA NOT OWNED BY ROADSTONE WOOD LTD, (c. 0.1 ha) - FOLIO WX36889F & WX20885
	SURFACE WATER MONITORING LOCATION
	LOCATION OF NEAREST RESIDENCE

**roadstone WOOD**  
The Right Choice

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SURFACE WATER MONITORING  
LOCATIONS

**FIGURE F4-1**

Scale 1:2,500 @ A3 Date JULY 2011