



Approximate extent of waste mass



Schematic Cross Section Transects

Contract Number	C4559
Contract	Illegal Landfill Site, St. Mary's Park, Limerick
Client	Limerick City Council
Scale NTS	
Drawn by AJS	Approved PM
Figure Number	C4559/05



CROSS SECTION LOCATION PLAN

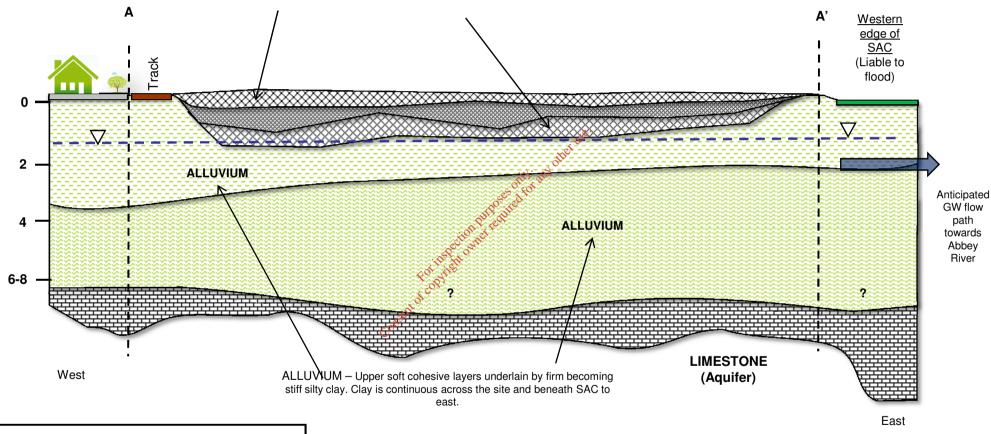
## MADE GROUND

Stratified Waste Mass typically comprising:

0.5-0.6m: large volume of mixed waste on ground surface including manure, plastic, wood, demolition and some asbestos containing materials;

0.75-1.2m: brown sandy silt with aggregate fill, cobbles and some wastes. Slight organic odour;

1.5-1.6m: dark brown organic silt with mild odour and discolouration (possible natural strata).



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Drawing Number	C4559/06



SCHEMATIC CROSS SECTION A - A'

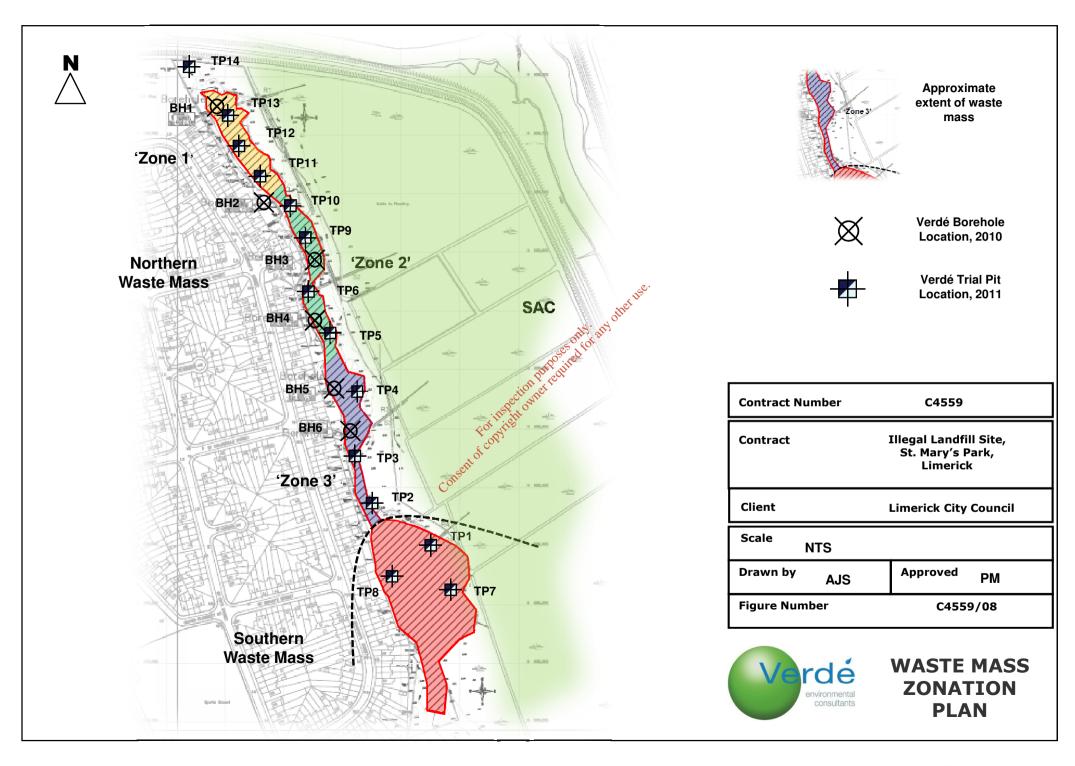
## MADE GROUND (Raised) Stratified Waste Mass typically comprising: 0.0-0.55m: localised brown sandy silt; 1.2-1.95m: large volume of buried mixed waste including demolition soils, plastic, wood, carpet, rubber wheels and household wastes. Organic odour and discolouration; В 1.6-2.6m: dark brown organic silt with organic odour and discolouration. B' Western edge of SAC (Liable to flood) 2 **ALLUVIUM** Anticipated GW flow 4 **ALLUVIUM** path towards Abbey River LIMESTONE West ALLUVIUM - Upper soft cohesive layers underlain by firm becoming (Aquifer) stiff silty clay. Clay is continuous across the site and beneath SAC to east but typically thinner than beneath the northern part of the landfill. East **Contract Number** C4559 Scale Contract NTS Illegal Landfill Site, St. Mary's Park, Limerick **SCHEMATIC** Drawn by **Approved** PM **AJS CROSS SECTION Drawing Number** C4559/07

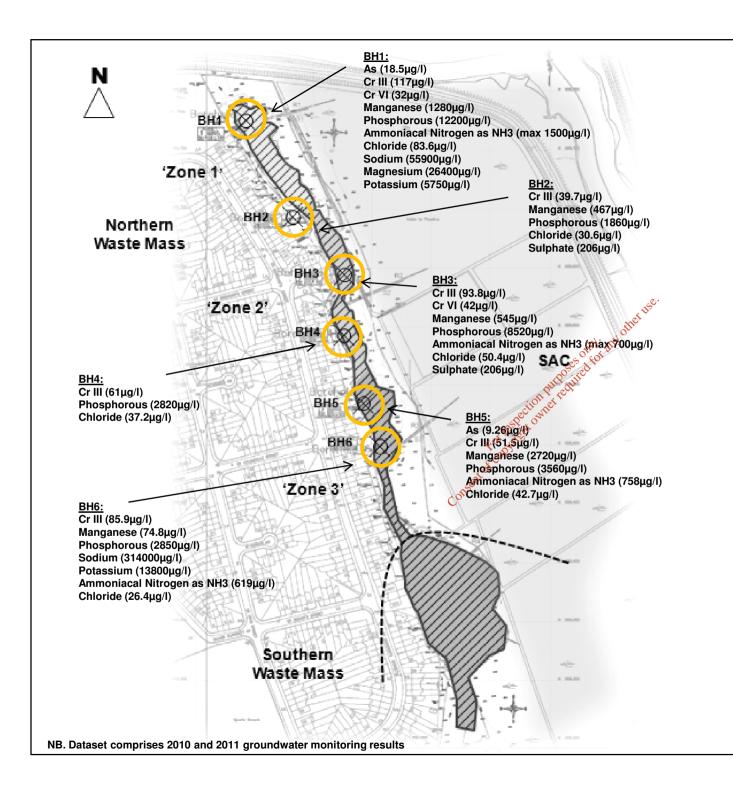
**Limerick City Council** 

Client

B - B'

consultants







Approximate extent of waste mass



Verdé Borehole Location, 2010

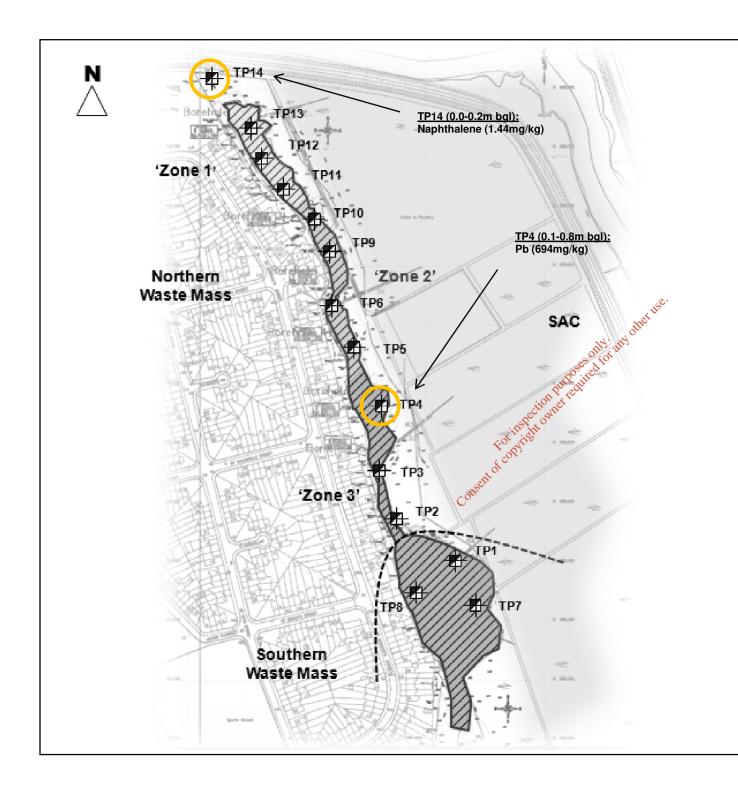


Elevated Contaminant Concentrations Measured in groundwater samples

**Contract Number** C4559 Contract Illegal Landfill Site, St. Mary's Park, Limerick Client **Limerick City Council** Scale **NTS** Drawn by **Approved AJS** PM **Figure Number** C4559/09



GROUNDWATER HAZARD PLAN





Approximate extent of waste mass



Verdé Trial Pit Location, 2011



Elevated Contaminant Concentrations Measured in soil samples

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Scale NTS	
Drawn by AJS	Approved PM
Figure Number	C4559/10



SOIL HAZARD PLAN

