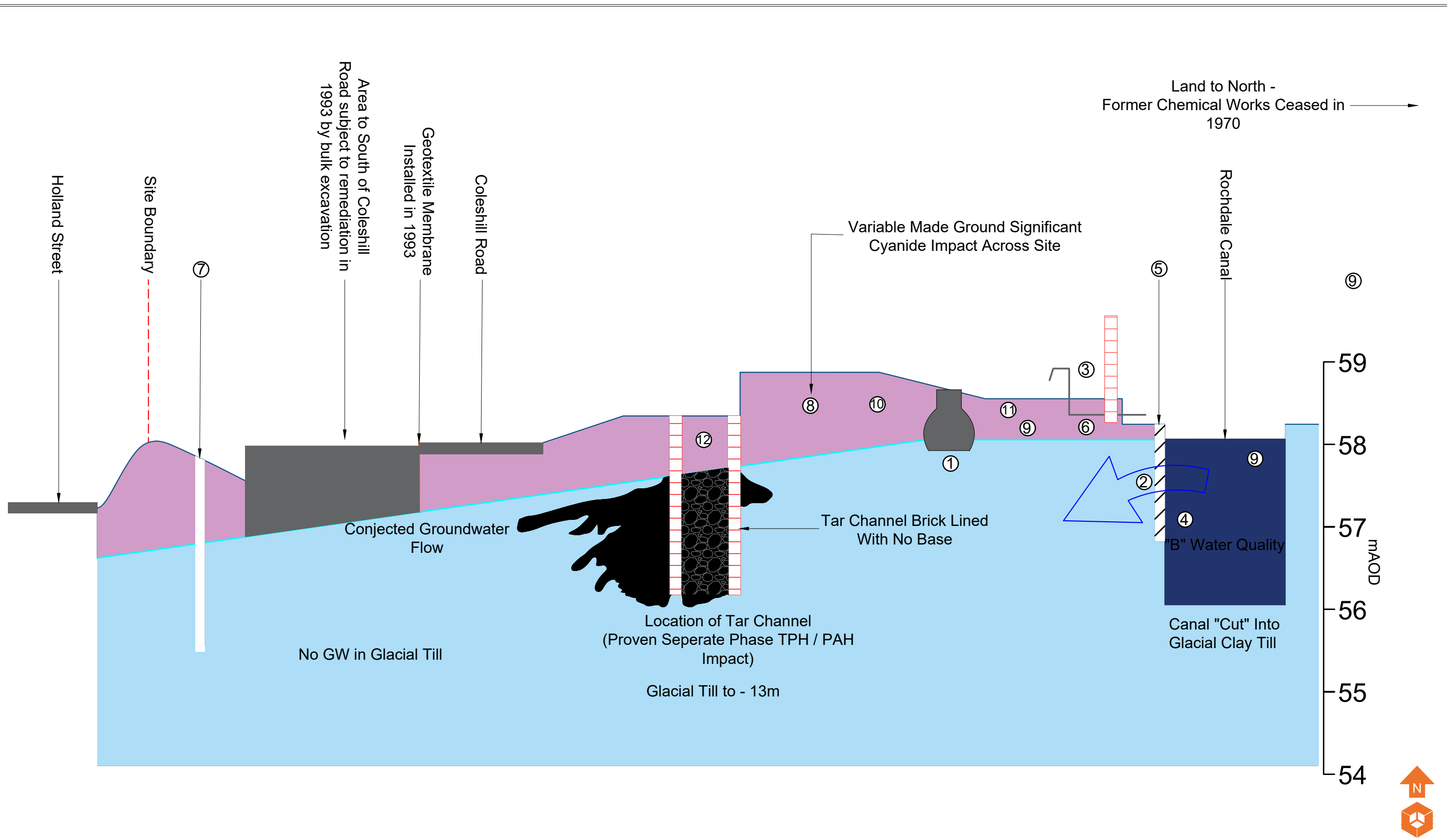




Location Symbols

① Localised separate phase TPH (With PAH) impact of near surface representation of surface spillage. (Not delineated) Limited migration to south down hydraulic gradient. Vertical migration confined by clay walls

② Canal "Up" hydraulic graient likely scenerario is canal is contributing to hydrology & shallow perched water confined above law permeability clay

③ Former / Remenant drainage infrastrucutre represents a preferntial pathway to canal. All infrastructure to be removed & pathway negated

④ Canal wall lining limit hydraulic impact

⑤ ERM Investigation confirmed visual leakage of contaminants through boundary wall to canal considered to be leaching not GW hydraulic conductivity.

⑥ Perched water confirmed by walls at higher elevation to canal and is seeping through and impacting. remediation to solidify and stabilise cyanide impact will remove this pathway

⑦ Monitoring wells down hydraulic gradient do not show significant cyanide impact

⑧ Made ground in Manox sector impacted by semi volatile and volatile organic compounds. No tox data readily available to inform robust SSR's mitigate pathway by vapor membrane.

⑨ Carbon disulphide (CS2) off site primary source CS2 impact known in canal and sediment. Low level CS2 impact onsite no primary CS2 source identified on Manox.

⑩ Significant aromatic semi volatile PAH/SVOC impact on site in MG across Manox.

⑪ Significant arsenic and lead impact in MG multiple instances of discoloration (Blue and Green) suggesting primary source.

⑫ Salt glazed feeder pipe to tar channel

Conjected Groundwater Flow

Rochdale Canal

Tar Channel

Glacial Clay Till

Notes:

P1	R1	03.08.2020	REVISION	HM	MD
P1	-	31.07.2020	DRAFT	HM	MD
Phase	Revision	Date	Issue	Drawn	Checked

Client:

Engie

Manox

Job No:

13-887

Drawing No:

028

Date:

03.08.2020

Scale:

NTS

Drawing Title:

Canal Impact Section Plan

Environmental Engineering Partnerships Ltd
City Heliport & Business Centre
Eccles, Manchester, M30 7RU
Tel: 0161 707 9612
E-mail: info@e3p.co.uk
Website: www.e3p.co.uk

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