



Notes

- Proposed Surface Water Sewer
- Proposed Permeable Surfacing
- Proposed Storage Tank

P1	09.12.22	LR	First Issue	WNL	PG
Rev.	Date	By	Description	Chk.	App.
APPROVAL					
			TIER CONSULT. Richmond House, Sandpiper Court, Chester Business Park, Chester CH4 9QZ T: 01244 684 900		
Client EQT Exeter					
Project Deacon Business Park Knowsley					
Title Proposed Drainage Layout					
Scale 1:500@A0	Drawn LR		Checked WNL		Revision P1
Date Dec 22	Drawing No. T_22_2582_DRG-55-01				

NOTE: All proposed levels and material sizes are subject to change

NOTE: Drawing not to be used for construction purposes

NOTE: Permeable paving to be used where it cannot be obstructed. Permeable paving to be connected to the storm network via geocellular storage tank located below the paving.

NOTE: Storage tank to contain:
495m² x 0.8m deep = 376m³ Volume
CL - 31.928
IL - 29.144

Flow limited to 65L/s. This flow rate is TBC by United Utilities.

Existing flow in a 1 in 2 year storm is currently producing 1000L/s.

Design head of hydrobrake is 2m.

Existing sewer connection is 300mm.

A 2m design head with 65L/s gives an orifice size of 295mm.

NOTE: Storage tank to contain:
675m² x 0.8m deep = 513m³ Volume
CL - 32.873
IL - 29.553

NOTE: Storage tank to contain:
320m² x 0.8m deep = 256m³ Volume
CL - 32.991
IL - 29.669

NOTE: Pond to contain:
1500m² x 2.5m deep = 2484m³ Volume
Exceedance Level - 32.244
IL - 29.744

Slope 1:3

FFL 33.000
Unit 1

NOTE: Foul drainage to drain into existing United Utilities sewer, located to the south west of the site.

NOTE: A mixture of drainage channels and gullies to be used to collect storm water from yards and parking areas. These are to be connected to the sewer network via petrol/oil interceptors where necessary.