



Drainage Key

Existing Highways Drainage
Existing Combined Water Public Sewer
Combined Sewer Diversion S185
Combined Sewer Closure S116
Proposed Foul Water Private Drainage
Proposed Surface Water Private Drainage
Proposed Channel Drains

Tank No.	Plots	Drained Area (m2)	Length (m)	Width (m)	Depth (m)	Plan Area (m2)	Storage Volume required (m3)	Discharge Rate (l/s)	Orifice Size (mm)
1	1 to 6	773	30	3.5	0.8	105	80	0.5	16
2	7 & 8	491	10	6	0.8	60	46	0.4	14
3	9 to 13	758	23	5	0.8	115	87	0.4	14
4	14 to 24	1730	30	8	0.8	240	182	1.1	24
5	25 to 28	557	20	4.5	0.8	90	68	0.3	12
6	29 to 33	630	25	4	0.8	100	76	0.3	12
7	34 to 42	1479	24	9.5	0.8	228	173	0.7	19
8	43 to 47	698	23	4	0.8	92	70	0.5	16
Total		7116					783	4.2	

Note:
All attenuation tanks to include silt traps at all upstream connection locations with discharge controlled via a downstream orifice flow control chamber with built in removable overflow weir wall.
Assume 1m cover over tanks to facilitate service crossings.
Allow for ventilation and provision for maintenance access on all tanks (to suit preferred manufacturers specification).
Tank sizes shown are based on standard Polystorm geocellular crate dimensions.

Note:
Drawing is provided to indicate the extent of drainage attenuation requirements and associated discharge rates to match the cumulative equivalent Greenfield QBar rate (4.2 l/s) and is subject to change pending any future alterations to the layout and/or levels.

Note:
Drainage runs are shown indicatively.
Refer to Architects drawings for plot specific drainage items.
Assume 1000/1500 pipework for all plot drainage and allow for threshold drains at each doorway.
Assume linear channel drains on all private driveways and gullies for shared road/court areas.

A	Updated for revised site layout	21/05/26	TM	TM	TM
Rev	Description	Date	Revised by	Checked by	Approved

Issue Purpose: **PLANNING**

Do not scale from this drawing

R G PARKINS
Kendal | 01539 729393 | Lancaster | 01524 32548

Client: **Thomas Armstrong**
Project: **Queens Park, Millom**
Drawing Title: **Outline Drainage Layout**

Scale @ A1: 1:250
First Issue: 14/04/26
Office of Origin: Kendal
Drawing No: **K41327**
Checked by: **TM**
Approved: **TM**
Drawing No: **41**
Rev: **A**