



PIPELINE & DRAINAGE SYSTEMS PLC
DEVELOPING PIPELINE & DRAINAGE SOLUTIONS

A631 BAWTRY ROAD, ROTHERHAM.
Hydraulic table for “Envirokerb Combined Kerb Drainage”.

RUN NUMBER	RUN LENGTH	AREA DRAINED M²	GRADIENT Longitudinal	HYDRAULIC REQUIREMENT Litres per second	HYDRAULIC CAPACITY OF UNIT PROPOSED Litres per second	ENVIROKERB PRODUCT to be used- Size
1	120mts	1500m ²	4.6%	20.83 lits/sec	37.4 Lit/sec	120mts 305mm
2	102mts	1020m ²	3.8%	14.17 lits/sec	33.81 Lit/sec	102mts 305mm
3	179mts	2900m ²	2.5% average	40 lits/sec	45 Lit/sec	179mts 385mm
4	154mts	2900m ²	2.5% average- Actual gradient is 3%	40 lits/sec	45 Lit/sec	154mts 385mm

In conclusion-

The road area can be drained with the 305 and 385 units Envirokerb in all areas. This takes into consideration the new Areas to be drained as discussed with Rotherham.

The runs 3 and 4 can now be drained with the 385 deep unit. We could drain the initial part of run with 305s as suggested by Rotherham, which would make installation easier on site.