

RWO Associates		Page 1
19-20 Brenkley Way Newcastle upon Tyne NE13 6DS	Y21220 - Southern Road Cowlersley	
Date 10/05/2023 14:46 File Y21220-Diverted Ditch.MDX	Designed by RikB Checked by	
Innovyze	Network 2020.1.3	

STORM SEWER DESIGN by the Modified Rational Method

Network Design Table for Storm

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
1.000	36.650	1.350	27.1	0.001	5.00	1.0	15.000	\/	-2	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
1.000	44.66	5.14	126.850	0.001	1.0	0.0	0.0	4.25	6967.0	1.1

Conduit Sections for Storm

NOTE: Diameters less than 66 refer to section numbers of hydraulic conduits. These conduits are marked by the symbols:- [] box culvert, \/ open channel, oo dual pipe, ooo triple pipe, O egg.

Section numbers < 0 are taken from user conduit table

Section Number	Conduit Type	Major Dimn. (mm)	Minor Dimn. (mm)	Side Slope (Deg)	Corner Splay (mm)	4*Hyd Radius (m)	Xsect Area (m <sup>2</sup> )
-2	\/	550	500	72.0		1.067	1.639