

Business:	MIDA Civil Engineering Ltd			ALERT																																													
Title:	300mm IC Chambers and their correct Usage		Reference No:	QA24																																													
Issued By:	Sam James		Issue Date:	2 nd July 2024																																													
Type of Alert:	Quality & Compliance																																																
Subject:	When to use a 300mm IC Chamber and what type																																																
Operatives Affected:	Groundworkers																																																
Details:	NHBC allow the use of 300mm chambers up to 1200mm deep but these need to comply with BS EN 13598-1. the common (UG437 & UG466) types are only suitable up to 600mm as has always been the case, (SFA430 & SFA530) can, however, be used in depths of up to 1200mm	320mm. 110mm Chamber Base with 2 x 45° base & 6 risers – 1010mm high).		SFA430																																													
		320mm. 110mm Chamber Base with 4 side branch inlets - 2 x 45° & 2 x 90° (inc. 3 blanking plugs base & 6 risers – 1040mm high).		SFA530																																													
Action Required:	If on design as 300mm IC chambers is specified check the depths and use UG437 & UG466 up to 600mm maximum depth as has always been the case, if you need to go above this depth up to 1200mm deep order SFA430 & SFA530 type, these are substantially more expensive so unless its an absolute necessity to have this diameter change to 450mm chambers when above 600mm																																																
Further Information:	2024 Drainage below ground Chapter 5.3																																																
	Table 3: Minimum dimensions for access fittings and inspection chambers																																																
	<table><tr><th rowspan="2">Type</th><th rowspan="2"></th><th rowspan="2">Depth to invert from cover level (m)</th><th colspan="2">Internal sizes</th><th colspan="2">Cover sizes</th></tr><tr><th>Length x width (mm x mm)</th><th>Circular (mm)</th><th>Length x width (mm x mm)</th><th>Circular (mm)</th></tr><tr><td>Rodding eye</td><td></td><td></td><td>As drain but min. 100</td><td></td><td></td><td>Same size as pipework⁽¹⁾</td></tr><tr><td>Small access fitting</td><td>150 dia. 150 x 100</td><td rowspan="2">0.6 or less, except where situated in a chamber</td><td>150 x 100</td><td>150</td><td>150 x 100⁽¹⁾</td><td>Same size as access fitting</td></tr><tr><td>Large access fitting</td><td>225 x 100</td><td>225 x 100</td><td>225</td><td>225 x 100⁽¹⁾</td><td>Same size as access fitting</td></tr><tr><td>Shallow inspection chamber</td><td></td><td>0.6 or less 1.2 or less</td><td>225 x 100 450 x 450</td><td>190⁽²⁾ 300⁽⁴⁾</td><td>– Min. 430 x 430</td><td>190⁽¹⁾ 310</td></tr><tr><td>Deep inspection chamber</td><td></td><td>Greater than 1.2</td><td>450 x 450</td><td>300⁽⁵⁾ - 450</td><td>Max. 300 x 300⁽³⁾</td><td>Access restricted to max. 350⁽¹⁾</td></tr></table>				Type		Depth to invert from cover level (m)	Internal sizes		Cover sizes		Length x width (mm x mm)	Circular (mm)	Length x width (mm x mm)	Circular (mm)	Rodding eye			As drain but min. 100			Same size as pipework ⁽¹⁾	Small access fitting	150 dia. 150 x 100	0.6 or less, except where situated in a chamber	150 x 100	150	150 x 100 ⁽¹⁾	Same size as access fitting	Large access fitting	225 x 100	225 x 100	225	225 x 100 ⁽¹⁾	Same size as access fitting	Shallow inspection chamber		0.6 or less 1.2 or less	225 x 100 450 x 450	190 ⁽²⁾ 300 ⁽⁴⁾	– Min. 430 x 430	190 ⁽¹⁾ 310	Deep inspection chamber		Greater than 1.2	450 x 450	300 ⁽⁵⁾ - 450	Max. 300 x 300 ⁽³⁾	Access restricted to max. 350 ⁽¹⁾
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	4 300mm diameter Inspection chamber complying with BS EN 13598-1.																																																
Method for Communication:	Briefing by Site Manager to groundworkers via TBT Alert																																																