

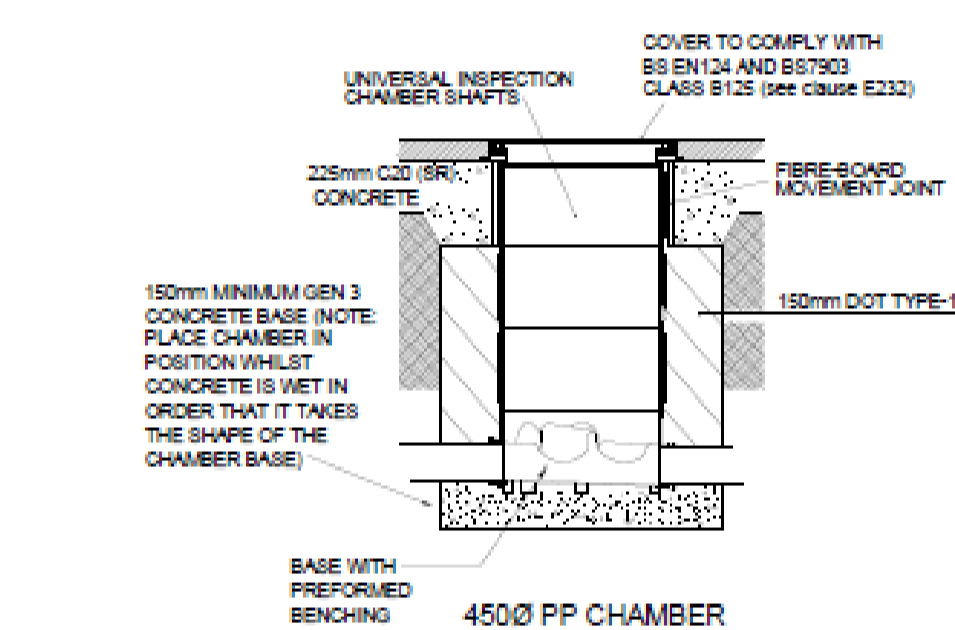
TYPICAL SECTIONS THROUGH HYDRO-CHAMBER ATTENUATION SYSTEM

DIMENSIONS TABLE

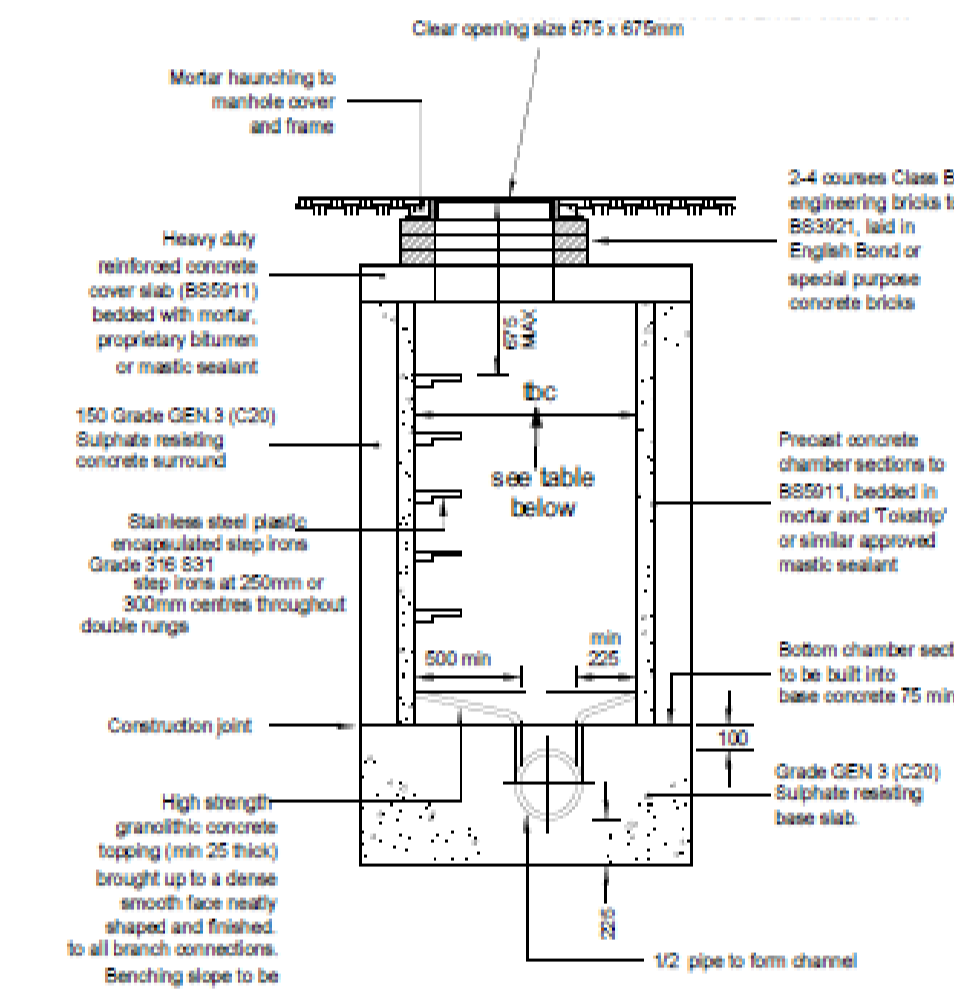
Type	Size of Largest Pipe (DN)	Circular Diameter	Min clear opening Rectangular	Circular Diameter
<1.5m to soffit	150	1050	750 x 675	600
	225	1200		
	300	1200		
>1.5m to soffit	375-450	Larger of 1800 or (DN+450)	600 x 600	600
	>450	Larger of 1800 or (DN+775)		

ROCKER PIPE LENGTHS	
NOMINAL DIAMETER (mm)	EFFECTIVE LENGTH (m)
150-600	0.6
675-750	1.0
over 750	1.25

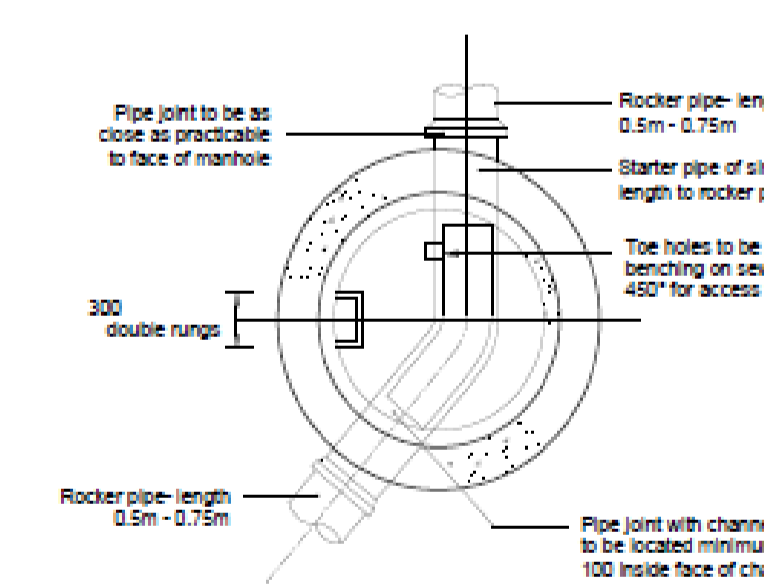
- Notes:
- Larger sizes may be required for manholes on bends or where there are junctions.
 - May be reduced to 600 by 600 where required by highway loadings considerations, subject to a safe system of work being specified.
 - Not applicable due to working space needed.
 - The minimum size of any manhole serving a sewer (ie any drain serving more than one property) should be 1200mm x 675mm rectangular or 1200mm diameter.



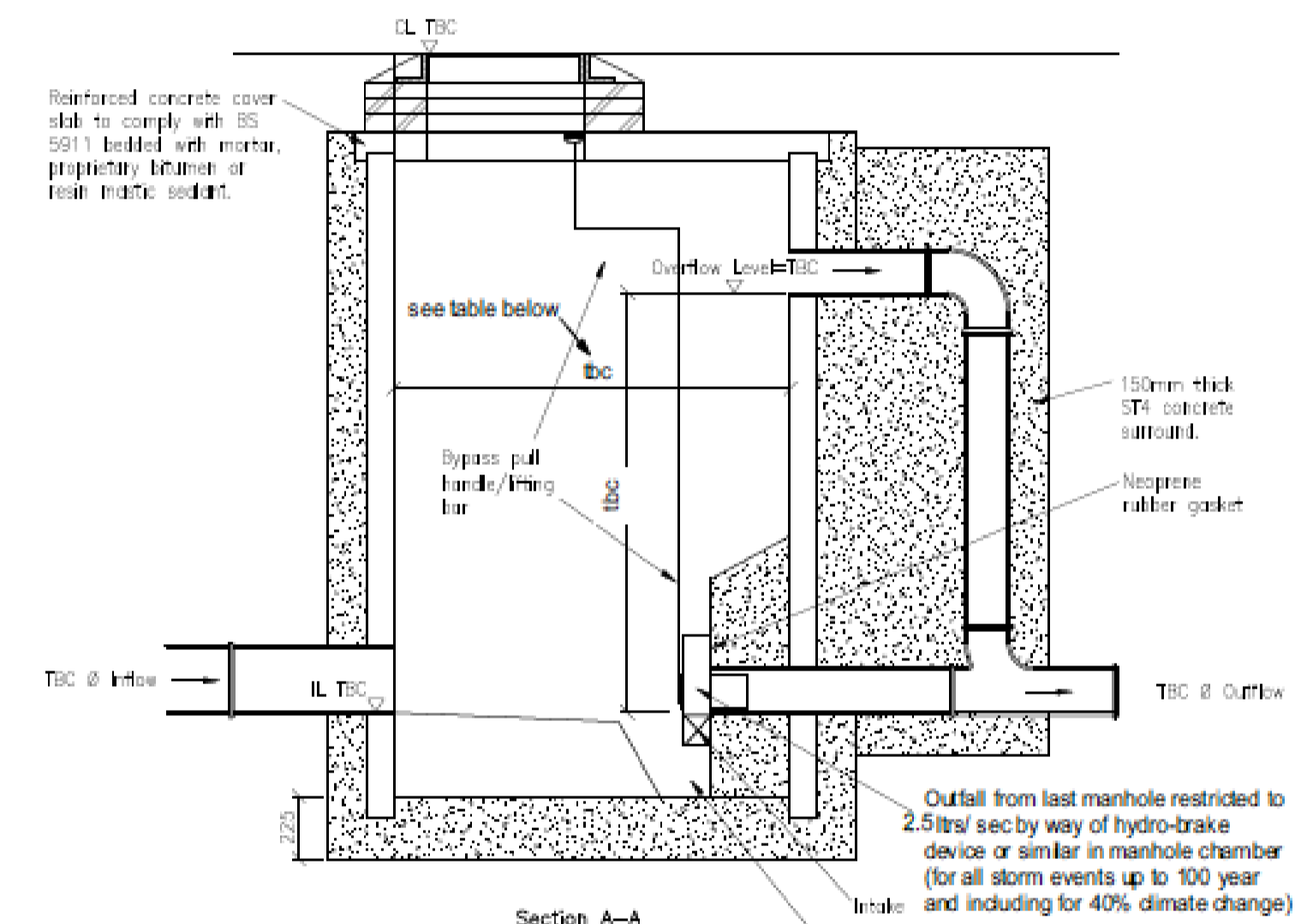
TYPICAL MANHOLE DETAIL - TYPE 1
Depth from cover level to soffit of pipe 1.0m to 1.5m



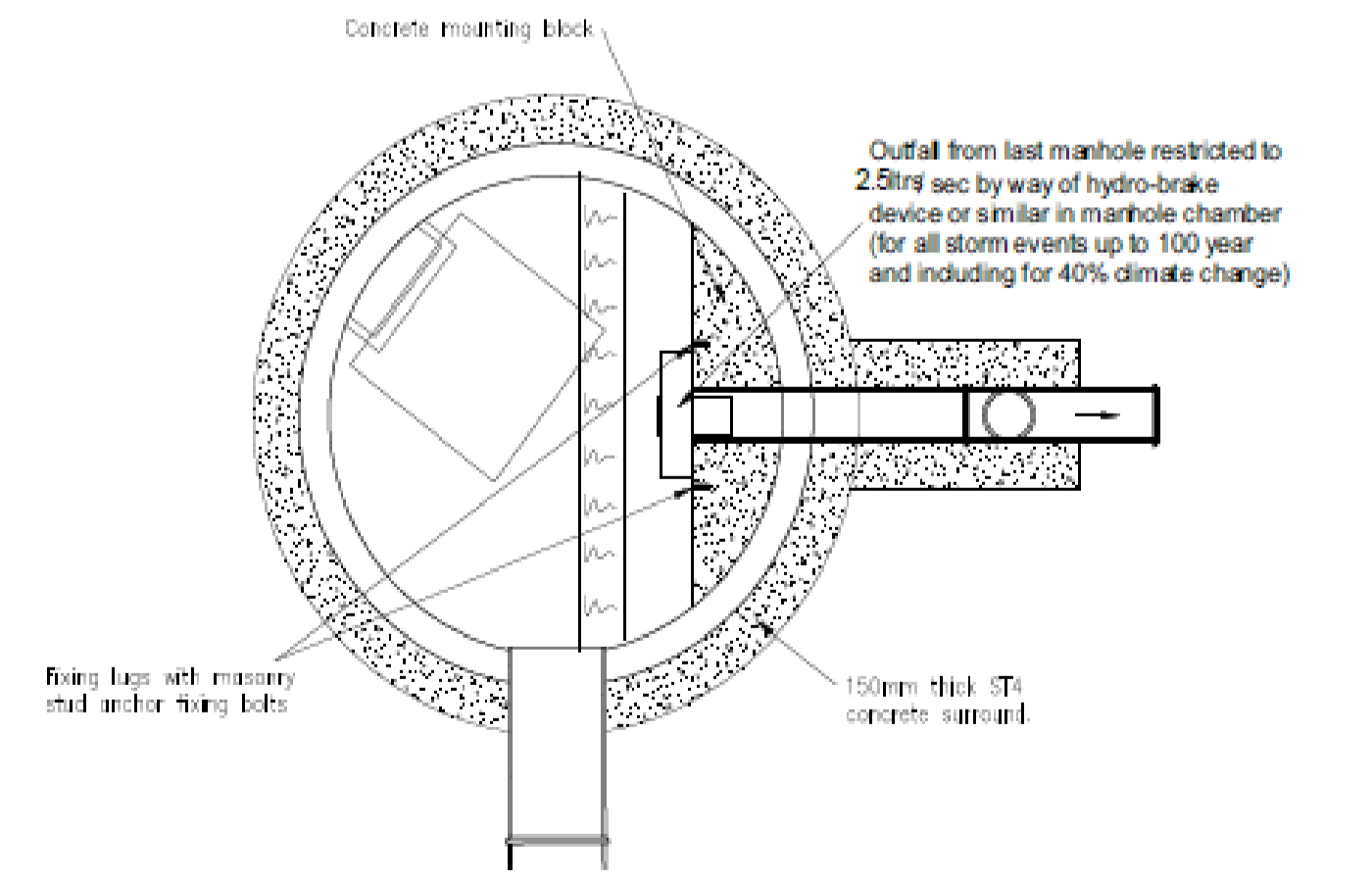
TYPICAL MANHOLE DETAIL - TYPE 2
(DEPTH TO SOFFIT 1.45 TO 3m)
MAXIMUM SEWER DIAMETER 375
INCREASE TO 1350 FOR 450 DIA SEWER



TYPICAL MANHOLE DETAIL - TYPE 2
PLAN



TYPICAL HYDRO-BRAKE MANHOLE SECTION DETAIL



TYPICAL HYDRO-BRAKE MANHOLE PLAN DETAIL

Client:- 22-182 - Polaris Property Developments LTD	Drawing No:- 22-182-E-D-501	Date:- 29 July 2022	Drawings are for DESIGN PURPOSES ONLY.
Project Title:- Proposed Development at Pinner Road, Northwood, London, HA6 1DD	Drawing Title:- Typical Details & Specifications	Drawing Scale:- As Shown @ A1	

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