

Abnormal or unusual residual risks associated with the design outcomes shown on this drawing are:-

1. ALL ADAPTABLE SEWER WORKS AND MATERIAL TO BE IN ACCORDANCE WITH "SEWERS FOR ADOPTION" 6TH EDITION, SEVERN TRENT WATER AND KITEMARKED
2. MANHOLE COVERS SHALL MUST HAVE A CLEAR OPENING OF 675mm AND SHALL BE CLASS D40 TO BS EN 124 WITH 150mm DEEP FRAMES IN HIGHWAYS OR CLASS B 125 IN FOOTPATHS, PEDESTRIAN AREAS AND COMPARABLE LOCATIONS.
3. FILLED GROUND MUST BE FILLED AND CONSOLIDATED UNDER THE SUPERVISION AND TO THE SATISFACTION OF SEVERN TRENT WATER BEFORE ANY SEWER WORKS ARE CARRIED OUT.
4. SEVERN TRENT WATER IS NOT OBLIGED TO ACCEPT FILTER DRAIN/LAND DRAINAGE RUNOFF INTO THE SEWER NETWORK OR ADAPTABLE DRAINAGE SYSTEM (DIRECTLY OR INDIRECTLY). AN ALTERNATIVE METHOD OF DISPOSAL OF THE LAND DRAINAGE RUNOFF WILL THEREFORE BE REQUIRED AND YOU WILL HAVE TO LIAISE WITH THE LOCAL AUTHORITY, LAND DRAINAGE SECTION WITH REGARD TO THE DISPOSAL OF THE FILTER DRAIN/LAND DRAINAGE RUNOFF.
5. COVER SLABS MUST CARRY THE BS KITEMARK OR WILL BE REJECTED BY SEVERN TRENT WATER. THE TYPE OF THE TWO-PIECE OR ADAPTABLE DRAINAGE SYSTEM (DIRECTLY OR INDIRECTLY) TO THE COVER AND FRAME, A LANDING BEARING SLAB SHOULD BE FITTED ABOVE THE COVER SLAB TO BRING THE SIZE DOWN TO 675x675mm FOR THE SEVERN TRENT WATER SPECIFIED COVER SLAB. THE SEVERN TRENT WATER SPECIFICATION SYSTEM FOR MANHOLES, "TECHNICAL BULLETIN" ISSUED AUTUMN 2004 FOR KITEMARKED COVER SLAB OPENING SIZES.
6. THE ADAPTABLE SEWERS SHOULD BE A MINIMUM OF 1m AND MANHOLES 0.5m FROM KERB FACE AND SERVICE MARGINS.
7. SEWERS MUST HAVE 5m CLEARANCE FROM TREES AND HEDGES.
8. SEWERS TO BE LAID IN CLASSES "3" BEDDINGS (150mm GRANULAR BED AND SURROUND), WHERE DEPTH OF COVER TO TOP OF THE SEWER IS LESS THAN 1.2m IN HIGHWAYS AND VERGES (OR LESS THAN 900mm IN NONE VEHICLE ACCESS AREAS) THEN A 175mm CONCRETE SLAB OVER SEWER SHALL BE USED.
9. ALL PIPEWORK 375mm DIA. OR GREATER TO BE CONCRETE CLASS 120, 544kN/m MINIMUM CRUSHING STRENGTH.
10. THE CHAMBER SIZE OF MANHOLES WITH MORE THAN ONE CONNECTION IN THEM MAY NEED TO BE INCREASED AN INCREMENT TO ACCOMMODATE THE CONNECTIONS AND BENDS.
11. SEVERN TRENT WATER POLICY IS NOT TO ACCEPT TYPE "C" BRICK MANHOLES AND 1050mm DIA. MANHOLES WITH 1200mm ID. IF YOU USE A TYPE "C" MANHOLE WITH 1200mm ID. IN A 1050mm DIA. OR 1500mm DIA. RINGS, WITH THE OPENING SIZED FOR THE CHANNEL, WHERE DEPTH OF COVER TO PIPE SUFFICE IS 1-1.5m.
12. ALL HIGHWAY WORKS MUST MATERIAL TO CONFORM WITH NOTTS CC SPECIFICATION.
13. SULPHATE RESISTANT CEMENT (C20-C25) AND PRECAST CONCRETE PRODUCTS MUST BE USED OR A LABORATORY REPORT PROVING PROVING THAT SUCH PRECAUTIONS ARE NOT NECESSARY.

P8	16.06.21	Updated in accordance with pond amendment	LGS	MAR	
P7	03.02.21	Updated in accordance with pond amendment	LGS	MAR	
P6	01.12.20	Updated to suit highways comments	LGS	GPY	
P5	10.08.20	Access relocated away from weir wall	GPY	GPY	
P4	25.02.20	Pond Bypass pipe added	GPY	GPY	
P3	12.06.19	Hydrobrake updated to suit STW comments dated 29.05.19	EP	GPY	
Rev:	Date	Amendment	Drawn	Chkd.	Appr.

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PERSIMMON

Ayr Road
Cheadle

Detailed Design

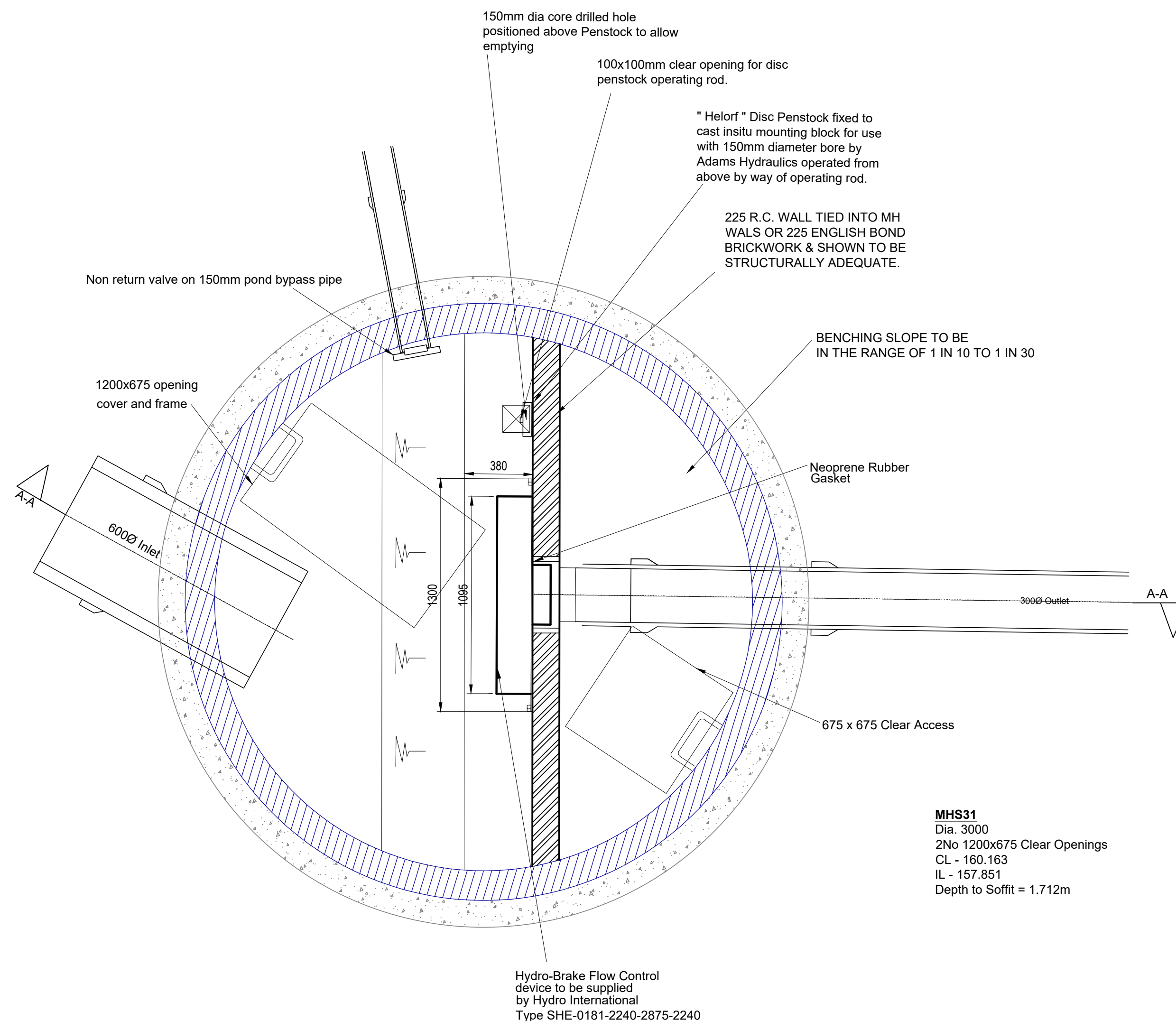
Hydrobrake Detail

Project No. 881287	Drawing File
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Scale 1:20



0 200 400 600 800 1000mm



- Warning signs are to be 40mm High red lettering on a white plastic base. The plastic base dimension are to be approx. 300mm x 300mm x6mm.
- The base is to be resistant to attack by sewage environment.
- The warning sign is to be mounted on a removable safety grid available from cover manufacturer.
- The sign in this manhole is to read 'CAUTION - HYDROBRAKE LOCATED HERE'
- A sign must be fitted in the upstream MH to read 'CAUTION - HYDROBRAKE DOWN STREAM'