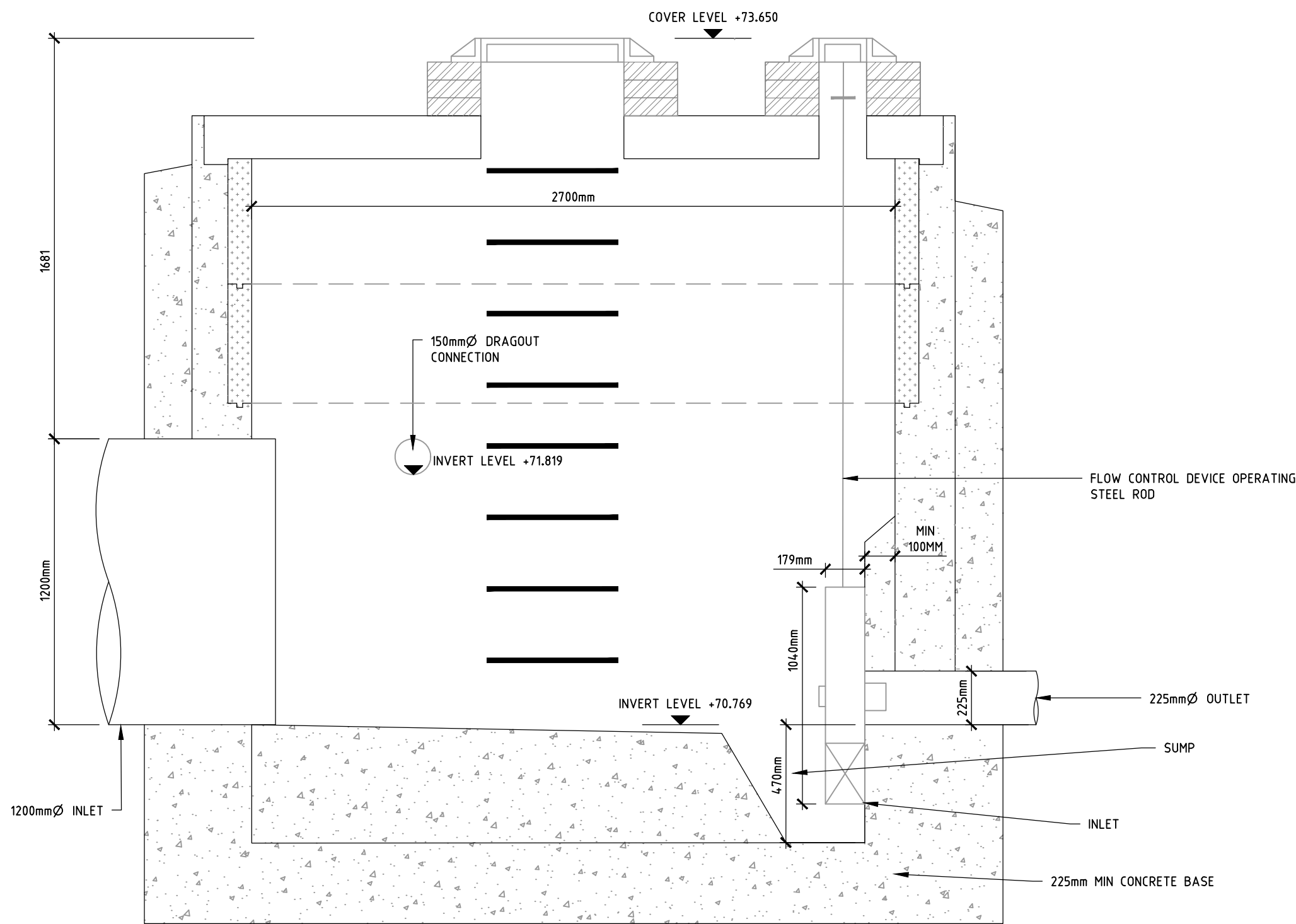
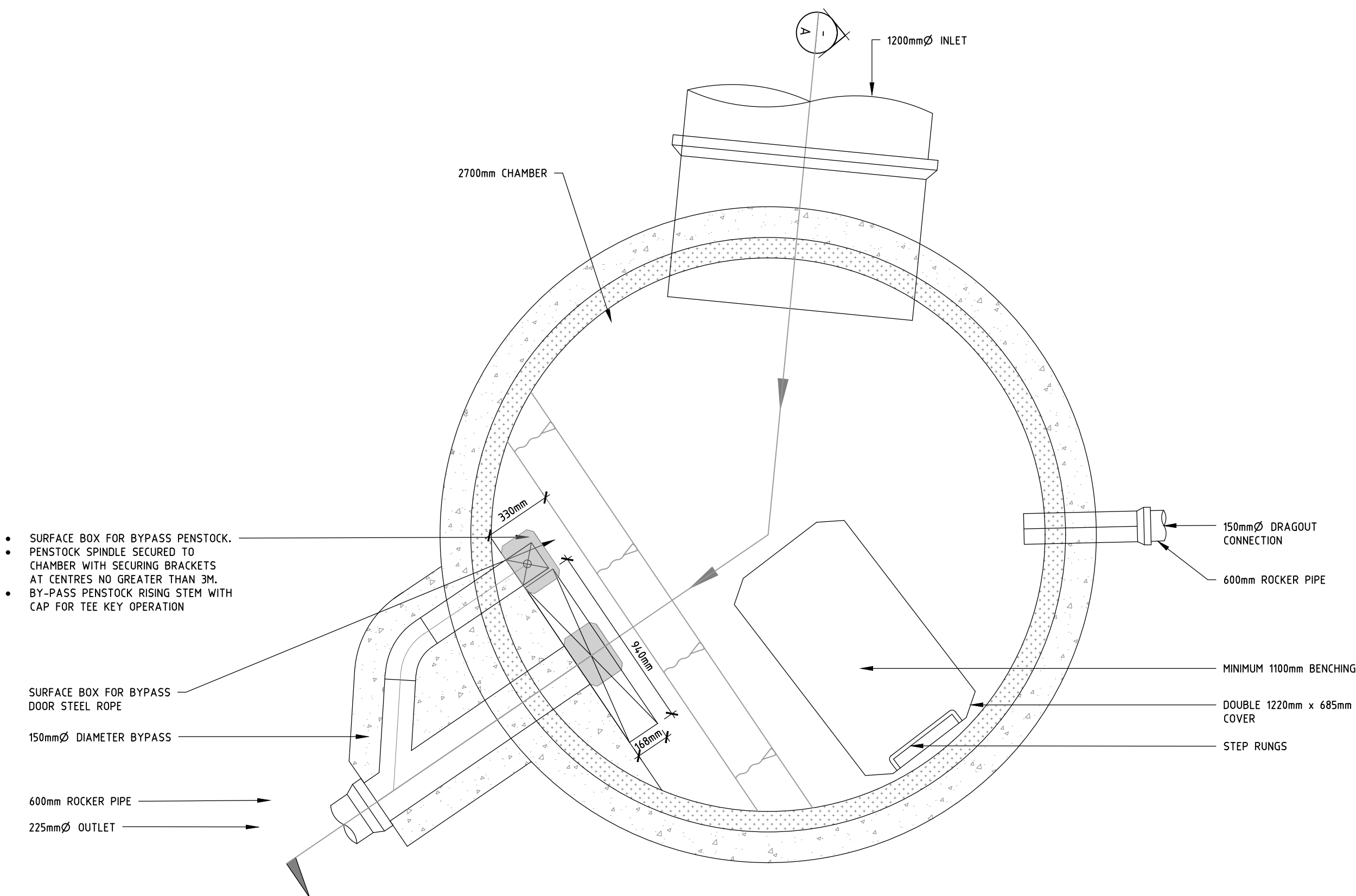


NOTES:

1. ALL SEWERS ARE DESIGNED IN ACCORDANCE WITH DESIGN AND CONSTRUCTION GUIDANCE FOR FOUL AND SURFACE WATER SEWERS OFFERED FOR ADPTION TO 2.1 VERSION AND ICSOA GUIDELINES AND STANDARD DETAILS.
2. DRAWING IS SUBJECT TO APPROVAL BY ICSOA UNDER A SECTION 10 AGREEMENT AND CONSTRUCTION WORKS UNDERTAKEN PRIOR TO TECHNICAL APPROVAL ARE AT THE DEVELOPERS RISK.
3. ALL CO-ORDINATES AND LEVELS SHOWN ARE RELATIVE TO THE TOPGRAPHIC SURVEY DRAWING 125251/TDPO BY GEOMATIC SURVEYS LTD.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INVESTIGATING AND VERIFYING ALL THE EXISTING DRAINAGE CRITICAL TO THE PROPOSED SCHEME PRIOR TO COMMENCING ANY WORK AS FOLLOWS:
 - MANHOLE OUTLIFT LOCATIONS
 - OUTLIFT INVERT LEVELS
 - OUTLIFT PIPE DIAMETERS
 - INTER-CONNECTION OF SEWERS
5. ANY INACCURACIES OR INCONSISTENCIES ON THE DRAWING RESULTING FROM THE FINDINGS SHALL BE REPORTED TO THE ENGINEER.
6. PRIOR TO THE COMMENCEMENT OF ANY ON SITE WORKS THE CONTRACTOR MUST CONTACT THE STATUTORY UNDERTAKER AND BE IN POSSESSION OF THE LATEST DRAWINGS SHOWING THEIR APPARATUS.
7. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ALLOW FOR THE SUPERVISION OF THE CONSTRUCTION WORKS BY ICSOA. THE CONTRACTOR WILL NOTIFY THE SUPERVISING OFFICER GIVING NOTICE WHICH WILL BE IN ACCORDANCE WITH THE AUTHORITIES REQUIREMENTS.
8. THE PROPOSED SEWERS WILL BE CLAY PIPE WORK AND SHALL BE EXTRA STRENGTH TO BS EN 295-1991 PART 1.
9. ANY PCC PIPE WORK WILL BE IN ACCORDANCE WITH BS EN 797-2002.
10. THE CONTRACTOR MAY EJECT TO USE REINFORCED PVC PIPES COVERED BY BS EN 13476-2, B.S. 4680-202 & B.S EN 1405-1, STRUCTURED WALL UPVC PIPES TO COMPLY WITH W44S 4-31-UP TO 300mm AND 300mm TO 1200mm AND SHALL BE 3.0m.
11. ALL MANHOLES AND CHAMBERS SHALL BE IN ACCORDANCE WITH BS EN 1977-2002.
12. ADAPTABLE SEWERS WITH COVER TO SOFITIT GRASSER THAN 1.2m IN DIAMETER 0.9m IN FIELDS SHALL HAVE CLASS 5 GRANULAR BED AND SURROUNDING.
13. ANY SEWER FOR ADAPTION WITH A COVER OF LESS THAN 1.2M TO PIPE SOFITIT IN ROADS OR 0.9m TO PIPE SOFITIT IN FIELDS WILL HAVE A REINFORCED CONCRETE SLAB PROTECTION AS PER DGG FIG B27.
14. ALL PIPES BURIED INTO THE MANHOLE INVERTS SHALL BE INSTALLED WITH SOFITITS LEVEL, UNLESS SHOWN OTHERWISE.
15. THE CONNECTION TO THE ADAPTABLE SEWER SHALL BE MANUFACTURED JUNCTION. THIS CONNECTION IS NOT PERMITTED UNLESS IT IS CLEARLY SPECIFIED.
16. CONNECTIONS TO THE EXISTING PUBLIC SEWER WILL BE IN ACCORDANCE WITH APPROVAL GRANTED BY THE STATUTORY UNDERTAKER.
17. PRIVATE DRAINAGE CONNECTIONS TO THE SEWER WILL BE 150MM DIAMETER AND LAID TO THE SPECIFIED INVERT.
18. THE INVERT LEVELS SPECIFIED AT THE DRAG OUT CHAMBER ARE IN ACCORDANCE WITH THE FOLLOWING:
 - A. PROTECTIVE GEOTEXTILE/PLASTIC MEMBRANE IS TO BE APPLIED TO ALL FOUL SEWERS LAID ABOVE STORM SEWERS WITH LESS THAN 500mm OF COVER
 - B. CHAMBERS MAY NOT BE AT THE SAME LOCATION AS PIPE INTERSECTION OR AS SHOWN IN THE LAYOUT, THE MANHOLE RINGS SHALL BE ADJUSTED OVER THE MANHOLE BASE TO SATISFY THE FOLLOWING REQUIREMENTS:
 - CLEARANCE FROM THE ADJACENT PIPE WORK
 - CLEARANCE FROM THE KERB LINE (THE BISCUIT OF THE MANHOLE SHALL NOT PROJECT UNDER THE ROAD CHANNEL LINE).
 - C. PROVIDE THE MINIMUM STANDING SPACE ON THE BENCHING AND THEREBY LOOKE THE MANHOLE COVER AND ENTRY ACCESS.
 - TO PROVIDE THE MINIMUM 250MM OF BEARING FOR THE MANHOLE RING OVER THE CAST IN STUB PIPES.
19. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO LIAISE WITH THE HIGHWAY AND SEWERAGE AUTHORITIES FOR APPROVALS, INTERIM INSPECTION, SNAGGING AND FINAL INSPECTIONS OF THEIR WORKS AND ADAPTABLE SEWERS.
20. AT THE CONCLUSION OF THE WORKS THE CONTRACTOR SHALL PROVIDE A MARKED UP DRAWING TO RECORD ANY AS BUILT VARIATIONS NOT SHOWN ON THE DRAWINGS.
21. ALL WORK BEFORE TECHNICAL APPROVAL IS AT DEVELOPERS RISK. INSPECTIONS CAN BE REQUESTED AS SOON AS THE CONTRACT WITH ICSOA/LAST MILE IS SIGNED.



MANHOLE SW8 STORMBRAKE
SECTION A



NOTE:
PRECAST CHAMBER RINGS
SHOULD NOT BE CUT

MANHOLE SW8 STORMBRAKE

COVER LEVEL:	73.650
INVERT LEVEL:	70.769
DEPTH TO SOFFIT:	1.681
MAHOLE TYPE:	UU DETAIL 5
COVER TYPE:	DOUBLE
1220mmx685mm	
STORMBRAKE SPECIFICATION:	
FPM-SB1-02200-01808-0100-PR	
ORIFICE SIZE:	168mm
DESIGN HEAD:	2.200m
DESIGN FLOW:	18.08 l/s

P05	27.10.25	Updated to as-built information	M.A.	R.A.
P04	30.09.25	Drainage re-design	M.A.	R.A.
P03	04.09.25	Amended outlet.	H.S.	R.A.
P02	20.03.25	Amended SW8 flow control details.	H.S.	R.A.
P01	13.12.24	PRELIMINARY - Issued for information	F.S.	R.A.
Rev	Date	Description	By	Chk

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Project Name			
NORTH MANCHESTER GOLF CLUB			
Client			
DUCHY HOMES			
Designed	Drawn	Checked	Scale @: A1
H.S	H.S	R.A	1:20
Drawing Title			
STORMBRAKE DETAIL			
Project No.			
210701			
Drawing No.		Revision	
210701-EDGE-J1-XX-DR-C-2006		P05	