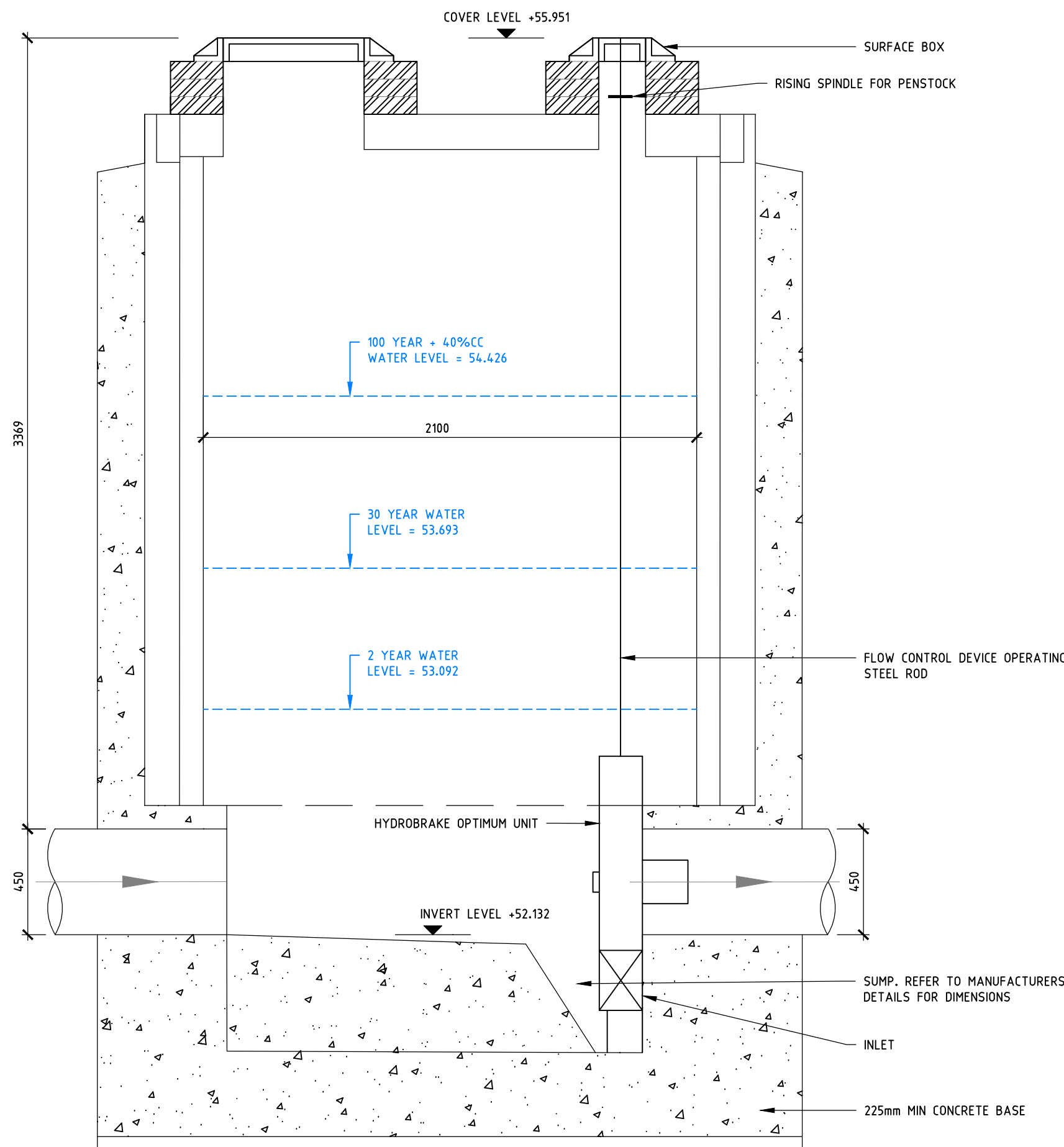
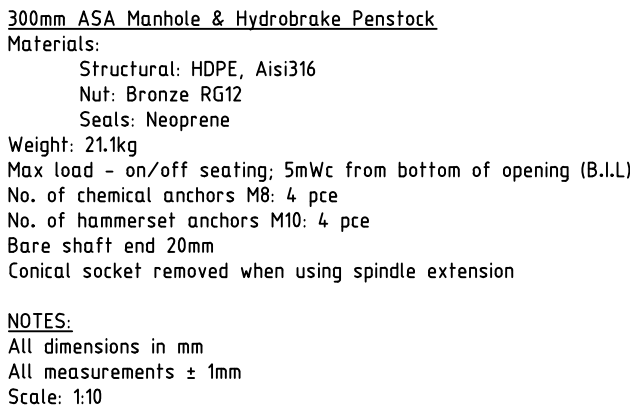


1. ALL SEWERS ARE DESIGNED IN ACCORDANCE WITH SEWER SECTOR GUIDANCE V.0.2 AND UNITED UTILITIES GUIDELINES AND STANDARD DETAILS.
2. ALL COORDINATES AND LEVELS SHOWN ARE RELATIVE TO THE TOPGRAPHIC SURVEY.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THE LINE AND LOCATION OF ANY EXISTING SEWERS, AS WELL AS ANY EXISTING MANHOLE INVERTS, ARE CORRECT ON THE DRAWING AND ARE CORRECT PRIOR TO THE COMMENCEMENT OF ANY WORKS. ANY DISCREPANCIES MUST BE REPORTED IMMEDIATELY.
4. PRIOR TO THE COMMENCEMENT OF ANY ON SITE WORKS THE CONTRACTOR MUST CONTACT THE SEWER DEPARTMENT AND BE IN POSSESSION OF THE LATEST DRAWINGS SHOWING THEIR APPARATUS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ALLOW FOR THE SUPERVISION OF THE CONSTRUCTION WORKS BY UNITED UTILITIES AND/OR SEWER DEPARTMENT'S AUTHORITY REPRESENTATIVE. THE SUPERVISING OFFICER GIVING NOTICE WHICH WILL BE IN ACCORDANCE WITH THE AUTHORITIES REQUIREMENTS.
5. THE PROPOSED SEWER WILL BE CLASS 5, SLOW RIGID PIPE EMBEDMENT EXTRA STANDARD TO BS 591:1991 PART 1.
6. ANY PRE CAST CONCRETE PIPE WORK WILL BE IN ACCORDANCE WITH BS EN 206:2002.
7. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THE CORRECT BEDDING, SURROUND AND BACKFILLING PROCEDURES ARE FOLLOWED FOR PVC PIPES. FOR DETAILS OF EMBEDMENT AND SURROUND FOR FLEXIBLE PIPES REFER TO UNITED UTILITIES STANDARD DETAIL STD/05/001.
8. ALL MANHOLES AND CHAMBERS SHALL BE IN ACCORDANCE WITH BS EN 1997:2007.
9. SEWERS WITH COVER TO SOFFIT GREATER THAN 1.2m IN ROADS AND 0.6m IN FIELDS SHALL HAVE BED AND SURROUND AS FOLLOWS: RIGID PIPE EMBEDMENT SHALL BE CLASS 5, SLOW RIGID PIPE EMBEDMENT SHALL BE CLASS 5 ALL IN ACCORDANCE WITH UNITED UTILITIES STANDARD DETAIL STD/05/001.
10. ANY SEWER FOR ADIPTION WITH A COVER OF LESS THAN 1.2m TO PIPE TOP IN ROADS SHALL BE CLASS 5, SLOW RIGID PIPE. IT WILL HAVE A MINIMUM 150mm GEN 3 CONCRETE BED AND SURROUND WITH FLEXIBILITY MAINTAINED WITH FLEXCELL EXPANSION JOINT FILLER OR SIMILAR APPROVED AT EACH PIPE JOINT.
11. PRIOR TO COMMENCEMENT OF ANY WORKS THE SEWER WILL BE NOTED BY MANHOLE AND LAID TO THE SPECIFIED INVERT.
12. THE INVERT LEVELS SPECIFIED AT THE DRAG OUT CHAMBER ARE INCLUDING LEVELS.
13. WHEREVER POSSIBLE PRIVATE DRAINAGE RUNS WILL REMAIN WITHIN THE CURTLAGGE OF THE DWELLING FOR WHICH THEY SERVE.
14. THE CONNECTION TO THE ADAPTABLE SEWER SHALL BE MANUFACTURED JUNCTION PIPES. A SADDLE CONNECTION IS NOT PERMITTED UNLESS IT IS CLEARLY SPECIFIED.
15. CONNECTIONS TO THE EXISTING SEWER WILL BE IN ACCORDANCE WITH SECTION 10.4 APPROVAL GRANTED BY UNITED UTILITIES.
16. FROM THE CONNECTION TO THE SEWER THE COURSE WILL BE IN LINE WITH APPROVAL GRANTED BY THE EA.



MANHOLE SW22 HYDROBRAKE
SECTION A

NOTE:
PRECAST CHAMBER RINGS SHOULD NOT BE CUT



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DO NOT SCALE DRAWINGS. IF IN DOUBT, ASK!

Project Name
COLLYHURST VILLAGE

Client _____

DEX CONSTRUCTION

A.R. _____ A.R. _____ M.A. _____
 Drawing Title
SW22 HYDROBRAKE DETAILS

Project No. _____

221625

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Revision

P02