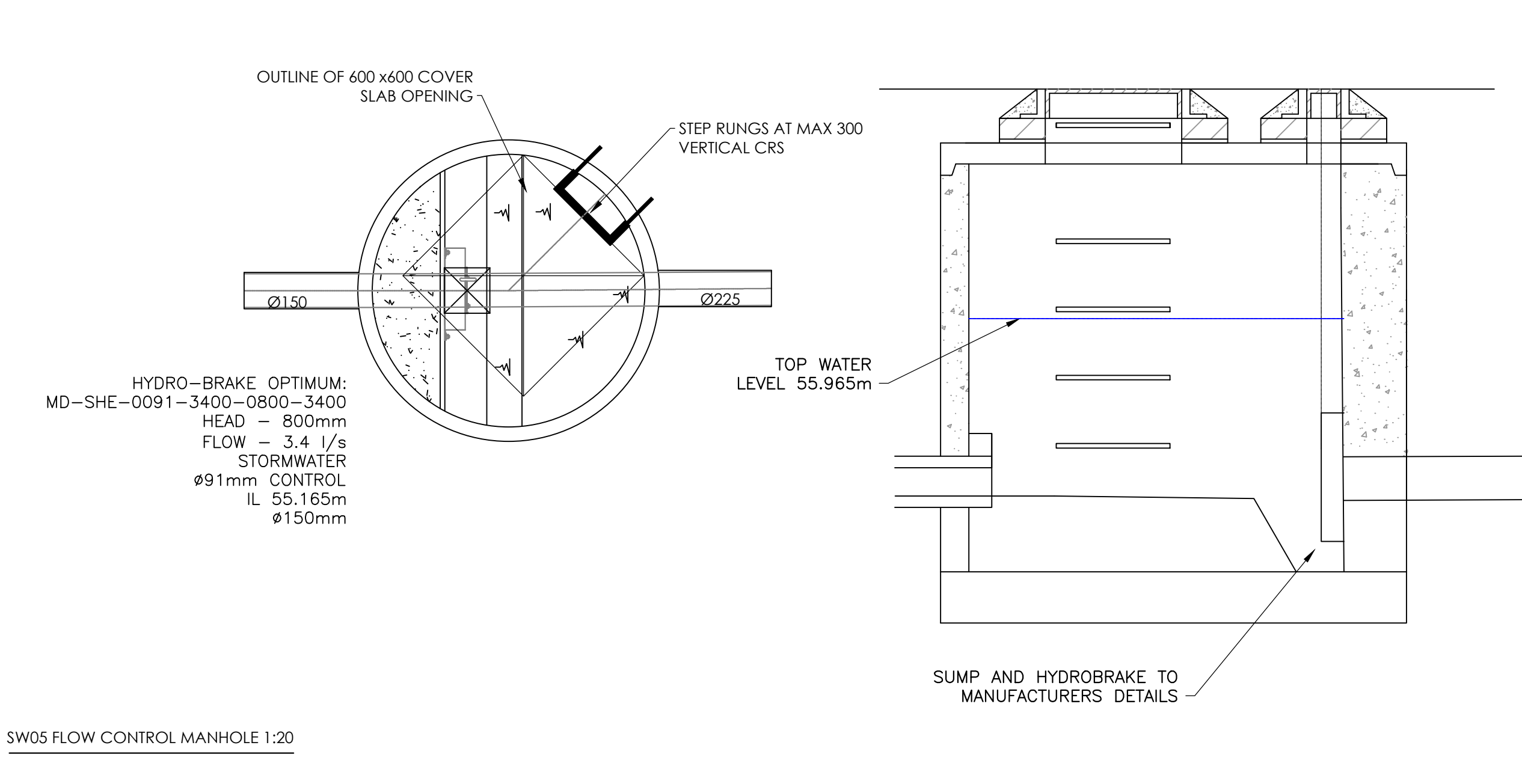
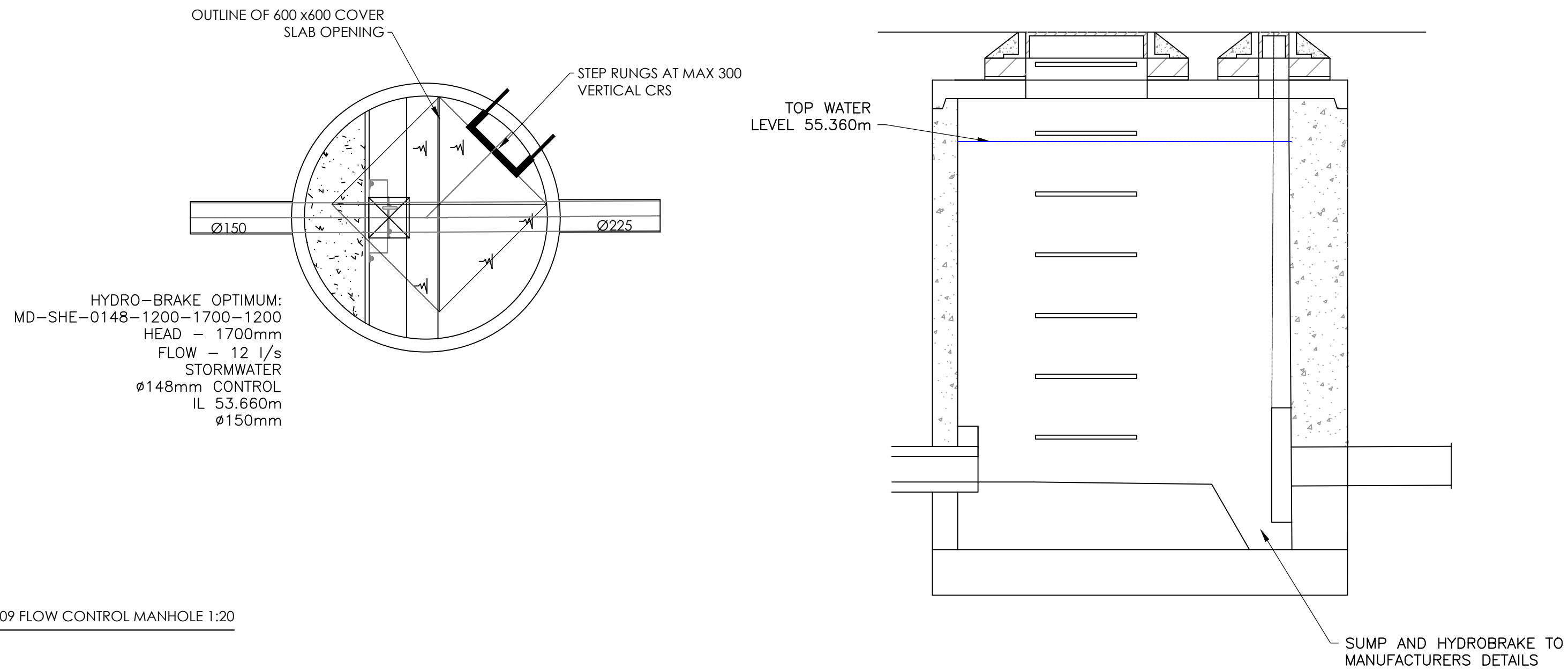


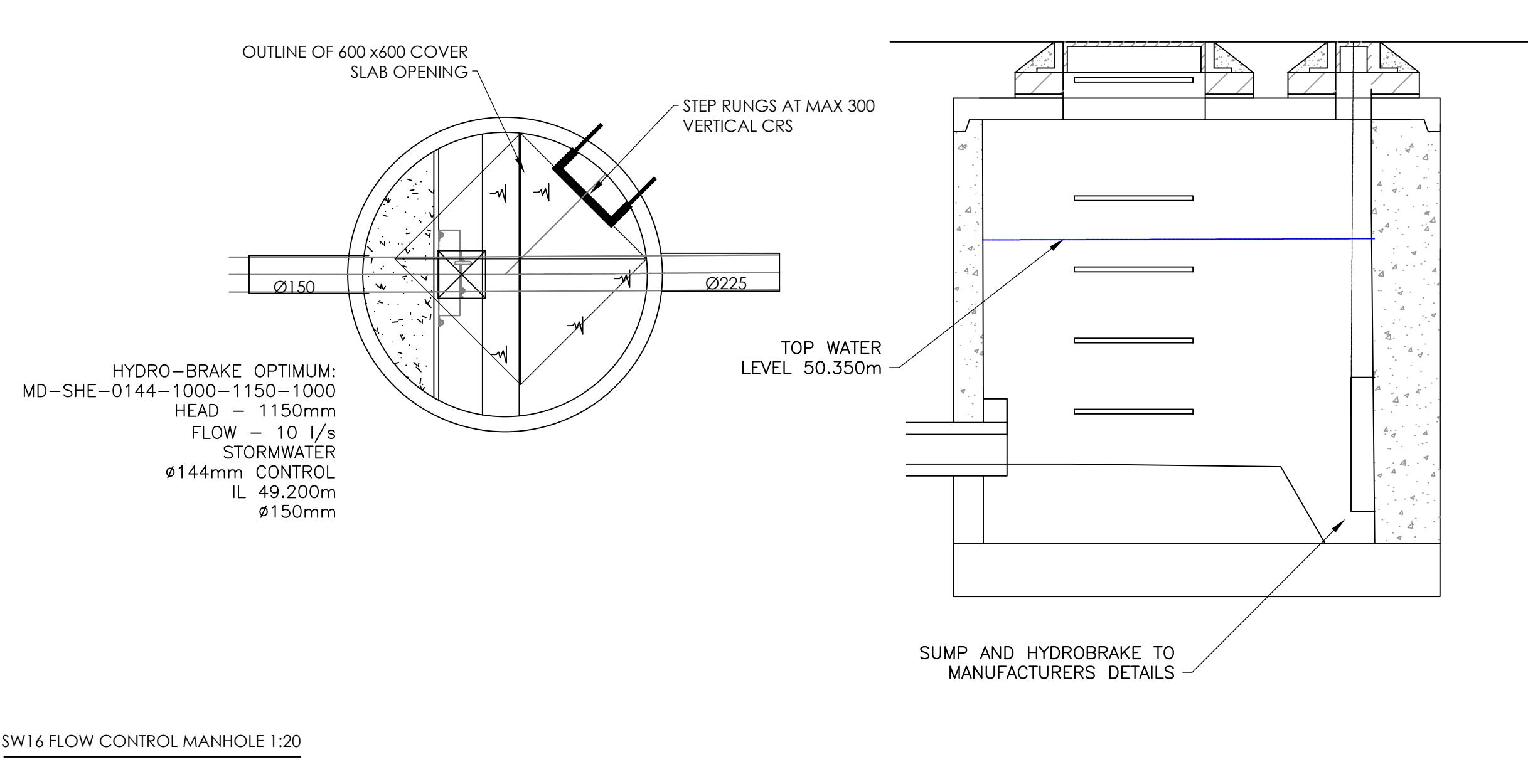
SW19 FLOW CONTROL MANHOLE 1:20



SW05 FLOW CONTROL MANHOLE 1:20



SW09 FLOW CONTROL MANHOLE 1:20



SW16 FLOW CONTROL MANHOLE 1:20

DRAINAGE

1. THE LOCATION AND LEVEL OF EXISTING DRAINAGE CONNECTIONS AND EXISTING SERVICES IS TO BE CHECKED PRIOR TO COMMENCEMENT OF DRAINAGE WORKS. ANY VARIANCE TO THE DETAILS ON THE DRAINAGE DRAWING AND THE SCHEDULE IS TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
2. THIS DESIGN IS BASED ON INFORMATION SUPPLIED BY THIRD PARTIES, AND MAYBE SUBJECT TO CHANGE.
3. THE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE NBS SPECIFICATIONS, ASSOCIATED MANHOLE SCHEDULE AND STANDARD DRAINAGE DETAIL DRAWINGS WHERE APPLICABLE.
4. MANHOLES, SEWERS, LATERAL CONNECTIONS ETC AND ANY OTHER PART OF THE DRAINAGE WORKS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE SEWERAGE SECTOR GUIDANCE, CURRENT BUILDING REGULATIONS, BS EN752 AND BS EN 12056.
5. DRAINS ARE TO BE CONSTRUCTED USING FLEXIBLY JOINTED VITRIFIED CLAY PIPES TO BS EN 295-1 SUPER STRENGTH SPECIFICATION (EG HEPWORTH SUPERSLEVE OR SIMILAR APPROVED) OR UPVC BUILDING DRAINAGE SYSTEM PIPEWORK TO BS 4660 AND BS EN1401-1, BEDDED AND BACKFILLED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS AND THE SPECIFICATIONS UNLESS OTHERWISE SPECIFIED.
6. ALL FW CONNECTIONS TO BE GENERALLY 100mm DIA LAID AT A MINIMUM GRADIENT OF 1:60 UNLESS NOTED OTHERWISE AND BE RODDABLE FROM ABOVE GROUND LEVEL.
7. ALL SW CONNECTIONS TO BE GENERALLY 100mm DIAMETER AND BE LAID AT A MINIMUM GRADIENT OF 1:150 UNLESS NOTED OTHERWISE AND BE RODDABLE FROM ABOVE GROUND LEVEL.
8. CHANNEL DRAINS TO BE GENERALLY ACO M100D 0.0 WITH SUMP UNIT OR SIMILAR APPROVED UNLESS STATED OTHERWISE. GRATING TO BE IN ACCORDANCE WITH ARCHITECT OR LANDSCAPE ARCHITECT SPECIFICATION.
9. BACKFILLING OF DRAIN TRENCHES ADJACENT TO BUILDINGS OR OTHER STRUCTURES IS TO BE IN ACCORDANCE WITH DIAGRAM 8 OF THE BUILDING REGULATIONS.
10. DRAINS WITHIN AREAS OF MADE GROUND TO BE CONSTRUCTED BY FIRST MAKING UP THE AREA TO APPROX. FINISHED LEVEL AND THEN EXCAVATING THROUGH THE FILL MATERIAL INTO UNDISTURBED GROUND. THE DRAIN TRENCH IS THEN TO BE BACKFILLED TO FORMATION LEVEL USING SUITABLE GRANULAR FILL MATERIAL WELL COMPACTED IN LAYERS NOT EXCEEDING 150mm.
11. ALL GULLIES ARE TO BE INSTALLED IN ACCORDANCE WITH CUMBRIA COUNTY COUNCIL DETAILS AND ALL ASSOCIATED PIPES ARE TO BE ENCASED IN CONCRETE WHERE COVER TO GROUND LEVEL IS LESS THAN 1200mm
12. ALL MANHOLE/INSPECTION CHAMBER COVERS WITHIN THE HIGHWAY OR WITHIN AN AREA OF HARDSTANDING ARE TO BE CLASS D DOUBLE TRIANGLE TYPE TO BS EN 124.
13. MANHOLE/INSPECTION CHAMBER COVERS ELSEWHERE SHALL BE CLASS B125 DOUBLE TRIANGLE TYPE TO BS EN 124.
14. ALL LATERAL CONNECTIONS ARE TO BE MADE AT SOFFIT LEVEL TO THE MAIN CHANNEL.
15. ALLOWANCE SHALL BE MADE TO PROTECT ALL ELEMENTS OF DRAINAGE THROUGHOUT THE CONSTRUCTION PHASE OF WORK IN ACCORDANCE WITH THE CONTRACTORS STANDARD WORKING PRACTICES.

REV	DATE	AUTHOR	NOTES
DRAWING STATUS		PRELIMINARY	
<div>AD</div> <div>A L DAINES &amp; PARTNERS</div> <div>CONSULTING CIVIL &amp; STRUCTURAL ENGINEERS</div> <div>28 Castle Street, Carlisle, Cumbria CA3 8TP</div> <div>TEL 01228 527428</div> <div>EMAIL mail@aldaines.co.uk</div> <div>WEB www.alldaines.co.uk</div>		CLIENT THOMAS GRAHAM LTD	
		TITLE THOMAS GRAHAM, EGREMONT DRAINAGE DETAILS 2 OF 2	
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DRAWING NO.		2I-C-16080-010	
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