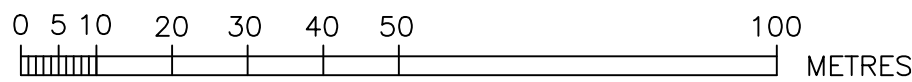
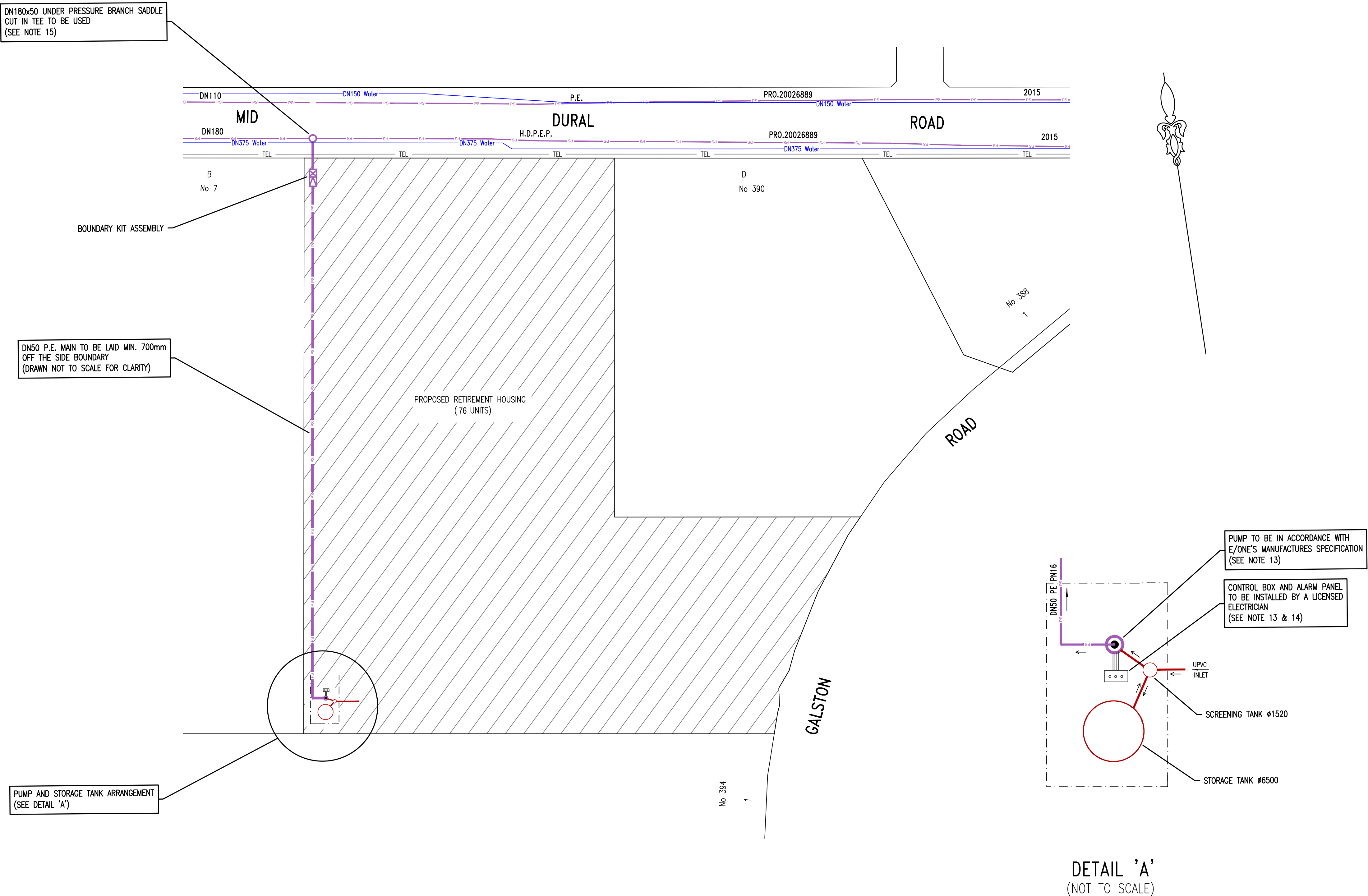
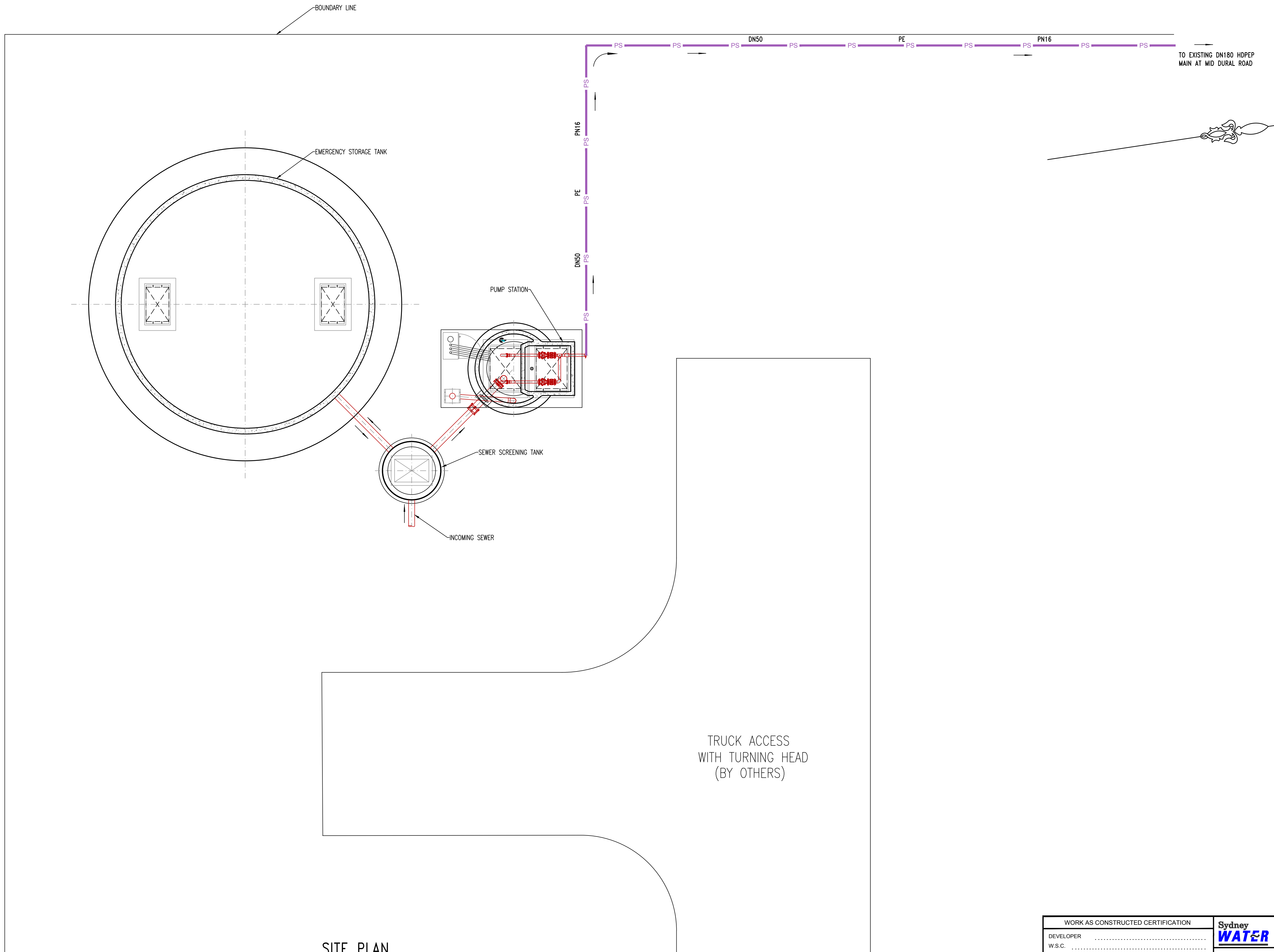


WSC, SURVEY, DESIGN & FINAL PLANS PREPARED BY
METROWATER MANAGEMENT
P.O. BOX 3220, RHODES NSW 2138
PH. 9876-8395

FOR,
VIGOR MASTER PTY LTD C/O: VICTOR CAO
SUITE 201A, 24 THOMAS STREET CHATSWOOD NSW 2067
PH: (02) 9411 3998 MOB: 0420 522 668

2. THE PROPOSED WORKS DETAILED HERE ON TO BE CONSTRUCTED IN ACCORDANCE WITH THE PRESSURE SEWAGE CODE OF AUSTRALIA (WSA 07-2007-1.1) INCLUDING THE SYDNEY WATER SUPPLEMENTS AND APPENDICES. THE CONTRACTOR MUST HAVE A COPY OF THIS DOCUMENT ON SITE AT ALL TIMES.
3. ALL PIPE AND FITTINGS TO BE PN PN16 TYPE. ALL PIPES AND FITTINGS TO USE ELECTROFUSION COUPLINGS OR BUTT WELDING FOR JOINTING, UNLESS SPECIFIED OTHERWISE. ALL PE MAINS AND FITTINGS TO BE CONSTRUCTED AS PER THE PE PIPELINE CODE WSA-01 - 2004 THIRD EDITION (VER. 3.1). THE CONTRACTOR MUST HAVE A COPY OF THIS CODE ON SITE AT ALL TIMES.
4. MAIN TO BE LAID WITH MINIMUM 600mm COVER UNLESS STATED OTHERWISE.
5. ALL STRUCTURES TO BE CONSTRUCTED TO PROPOSED FINAL SURFACE LEVELS.
6. SERVICES SHOWN ARE INDICATIVE ONLY. A CURRENT SERVICES SEARCH AND SITE CHECK OF ALL EXISTING SERVICES WILL BE NECESSARY PRIOR TO COMMENCEMENT OF THE WORK AND APPROPRIATE PROCEDURES, PRECAUTIONS AND CARE NEED TO BE TAKEN WHEN WORKING WITHIN CLOSE PROXIMITY OF ANY SERVICES. ANY DAMAGE TO EXISTING SERVICES TO BE RECTIFIED AT THE CONTRACTOR'S EXPENSE.
7. ALL EXCAVATION, SHORING EXCAVATION AND STABILITY OF ADJACENT STRUCTURES/SERVICES/DWELLINGS IS THE RESPONSIBILITY OF THE CONTRACTOR. USE OF SHORING BOXES IS NOT A FORM OF STABILITY CONTROL, NEITHER IS SAND CEMENT BACKFILL OR CONCRETE ENCASEMENT.
8. CONTRACTOR TO SUPPLY ALL BOUNDARY KIT TIES, TEE LOCATIONS, EXISTING SERVICES CLEARANCES, TIES TO NEAREST BOUNDARIES. IF TIES ARE NOT ABLE TO BE PROVIDED, THE CONTRACTOR IS TO LEAVE A CLEAR MARKER OF SOME DESCRIPTION THAT SURVEYORS CAN LOCATED AT A LATER TIME AFTER CONSTRUCTION.
9. EXISTING LOW PRESSURE SEWER INFORMATION TAKEN FROM SYDNEY WATER'S HYDRA SYSTEM. CONTRACTOR TO CONFIRM SEWER LOCATION AND DEPTH PRIOR TO CONSTRUCTION.
10. ALL BENDS AND FITTINGS TO BE MINIMUM CLASS 16 ELECTRO-FUSION TYPE AND ARE TO BE INSTALLED AS PER MANUFACTURES SPECIFICATIONS.
11. ALL WELDS TO BE DONE IN ACCORDANCE WITH PRESSURE SEWERAGE CODE CLAUSE 18.3.
12. ALL TESTING TO BE DONE IN ACCORDANCE WITH PRESSURE SEWERAGE CODE CLAUSE 21.4 & 21.5
13. PUMP SYSTEM TO BE USED MUST BE E/ONE EXTREME W300P49AAT AND SENTRY PRESTATI PROTECT PLUS CONTROLLER WITH MAX. DISCHARGE OF 1.0 l/s.
14. CONNECTION OF THE PROPOSED ELECTRICAL/ALARM PANEL TO THE PROPOSED ELECTRICAL METER BOX MUST BE CARRIED OUT BY AN ACCREDITED AND EXPERIENCED ELECTRICIAN. LOCATION OF THE CABLE MUST BE RECORDED AND PROVIDED AT W.A.C. STAGE.
15. DN180x50 UNDER PRESSURE BRANCH SADDLE CUP IN TEE TO BE USED. CONTRACTOR TO SPECIFY UNDER PRESSURE CUP IN METHOD TO BE USED PRIOR TO CONSTRUCTION.

[illegible]



PLAN DRAWN DATE: 05.08.2020 VERSION: 01 SHEET 2 OF 6 SHEETS

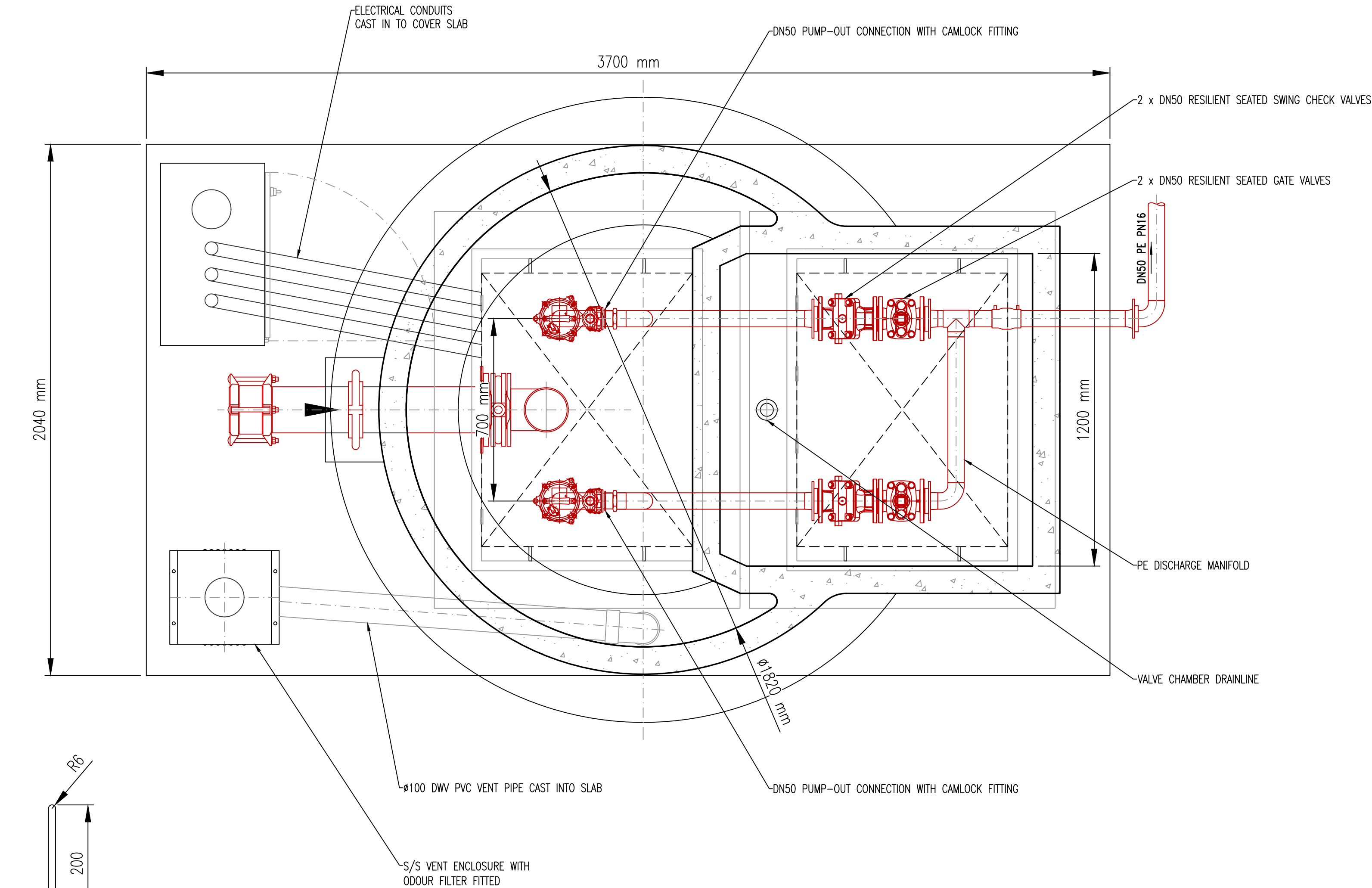
SITE PLAN
(NOT TO SCALE)

TRUCK ACCESS
WITH TURNING HEAD
(BY OTHERS)

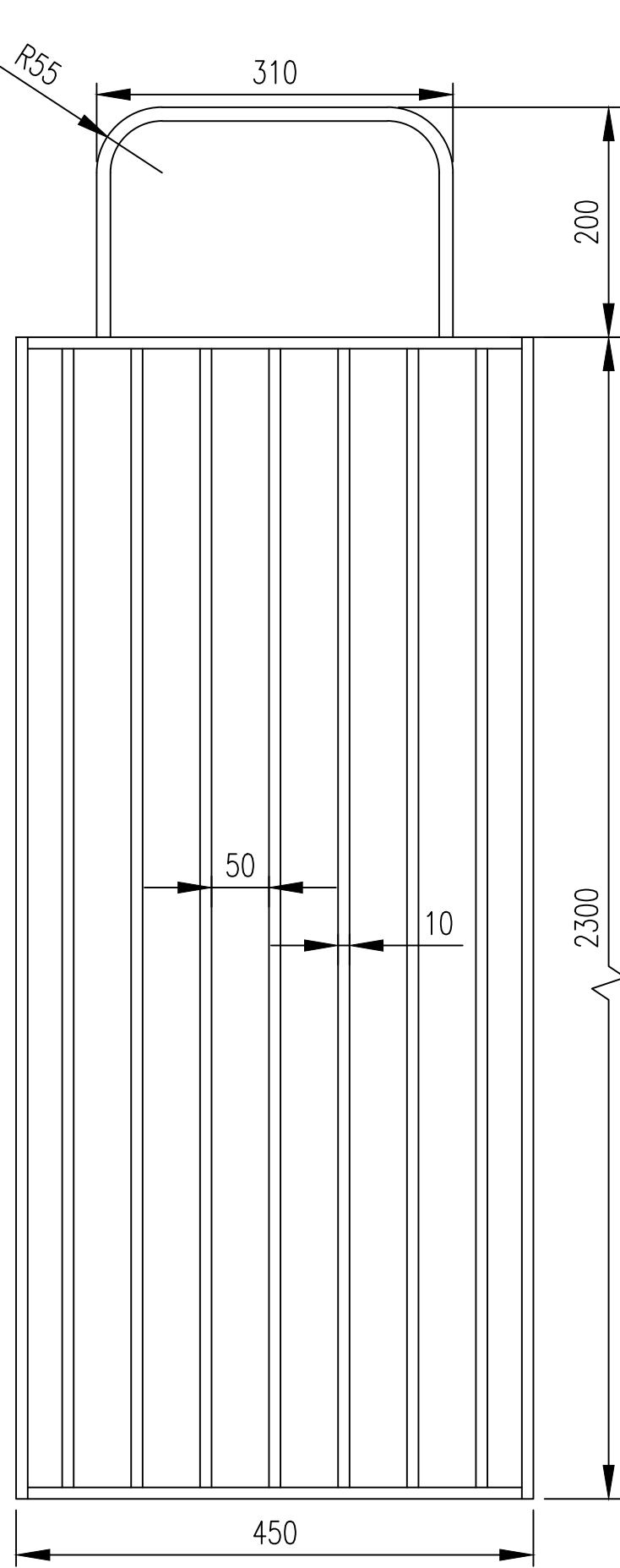
WORK AS CONSTRUCTED CERTIFICATION		MW REF: 266-20	
DEVELOPER	SYDNEY WATER CORPORATION	<div> <div>Sydney</div> <div>WATER</div> </div>	
W.S.C.			
CONSTRUCTOR	Case No. 186459WW	SHT 2 OF 6 SHTS.	
COMPLETED			
W.A.C. PREPARED			
DESIGNER	SYDNEY WATER CORPORATION FOR DETAILS OF SERVICES SEE SHEET 1		
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS			

SPECIFICATIONS:

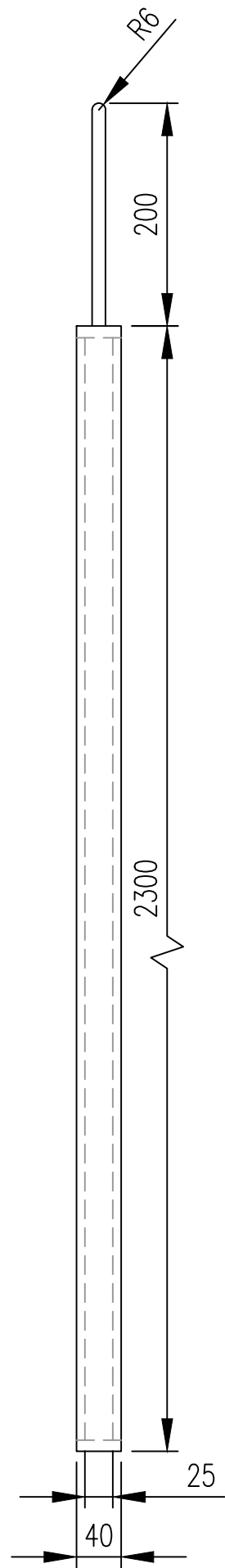
- INTERNAL DIAMETER - 1800mm nominal.
- METHOD OF MANUFACTURE - steel mould formed with intense mechanical vibration.
- CONCRETE TYPE - sulfate resistant using calcareous aggregate.
- STRENGTH - 50 MPa at 28 days. Internal finish to meet AS3610 Class 2.
- WALL THICKNESS - 100mm with 50mm internal cover over reinforcement. Design conforms to AS 3735.
- REINFORCEMENT - complies with AS3600 and AS4671.
- VALVE CHAMBER - full size 1200mm X 1200mm - formed as one section.
- VALVES - 2 x DN50 resilient seated gate valves.
- 2 x DN50 resilient seated check valves.
- 1 x DN150 S/S Knifegate valve.
- PIPEWORK - DN50 PN16 (SDR11) HDPE pipework.
- PUMPS - 2 x E-one extreme W300P49AAT submersible pumps.
- ACCESS COVERS - lockable hinged aluminium access covers with hinged safety grate over wet well.
- LEVEL CONTROLS - to specification.
- PUMP CONTROLLER - to specification.
- LIFTING DETAILS - 4 x 5.0t 'Swift-Lifts' in base, 4 x 5.0t in valve chamber and coverslab, 3 x 5.0t on increments.



PUMP STATION PLAN VIEW
(NOT TO SCALE)

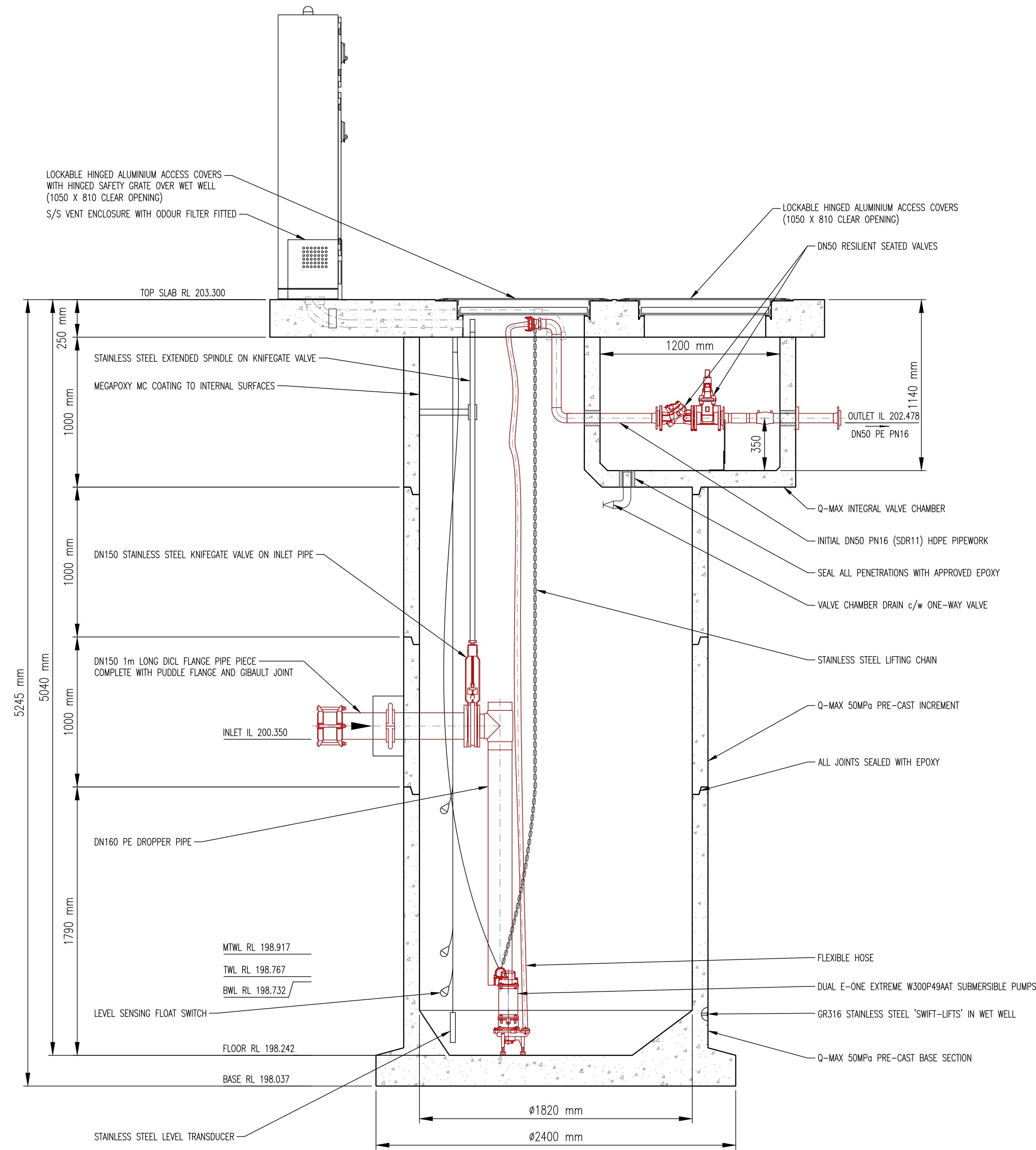


SEWER SCREEN DETAIL
(NOT TO SCALE)



SEWER SCREENING TANK
PLAN VIEW
(NOT TO SCALE)

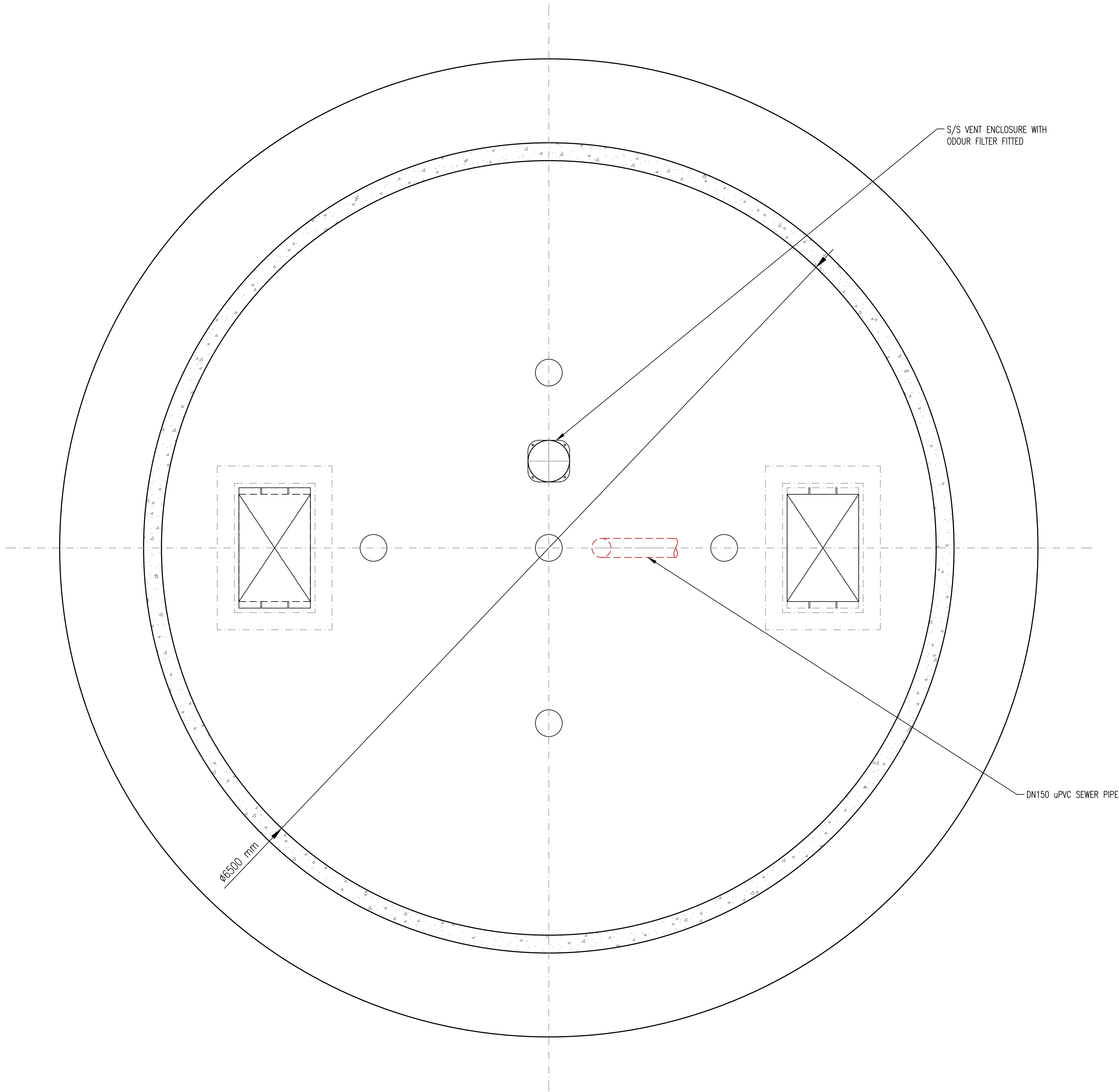
WORK AS CONSTRUCTED CERTIFICATION		Sydney WATER		SYDNEY WATER CORPORATION	
DEVELOPER		Case No. 186459WW		SHT 3 OF 6 SHTS.	
W.S.C.					
CONSTRUCTOR		SYDNEY WATER CORPORATION FOR DETAILS OF SERVICES SEE SHEET 1			
COMPLETED					
W.A.C. PREPARED					
DESIGNER					
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS					



SECTIONAL ELEVATION
(NOT TO SCALE)

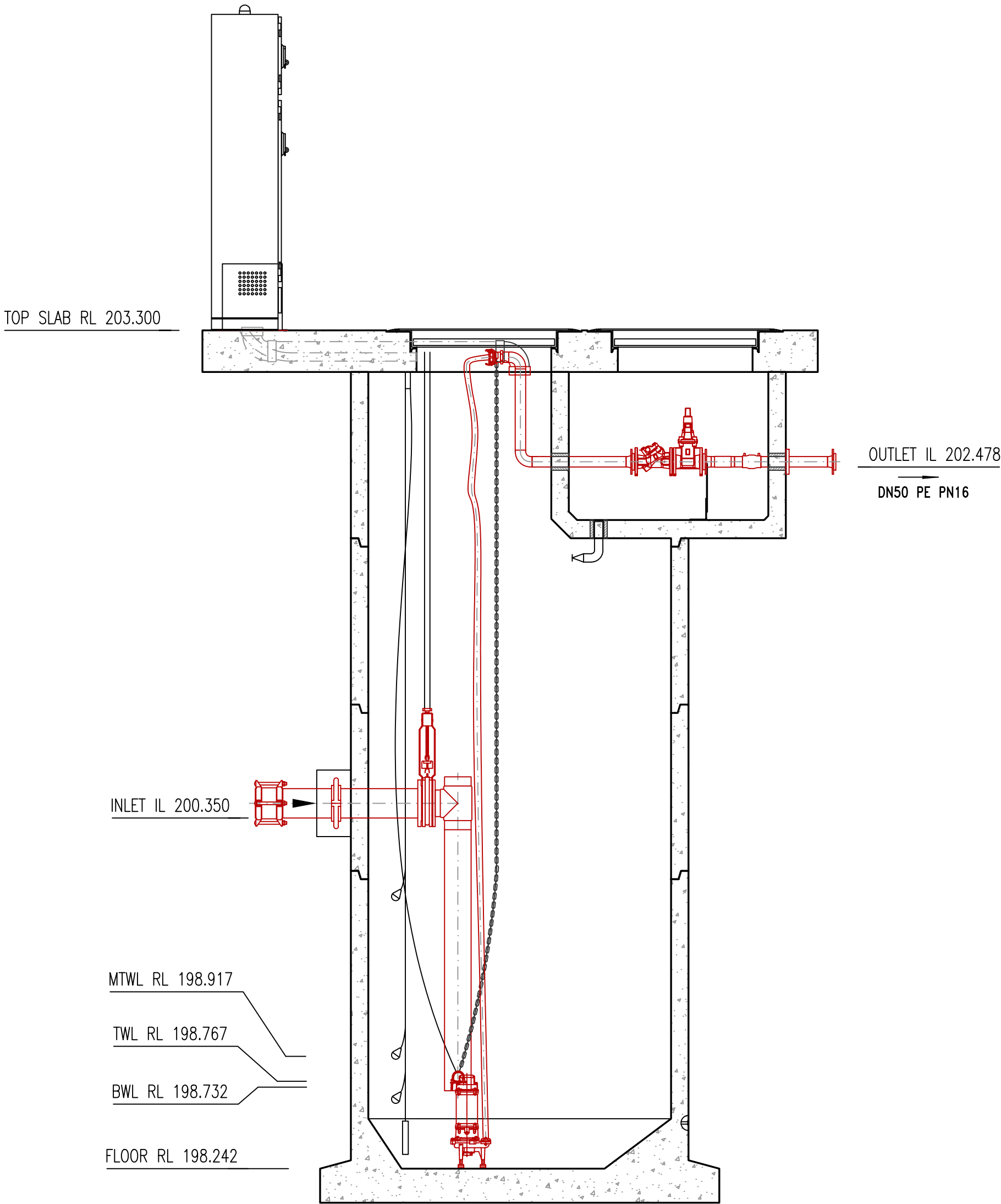
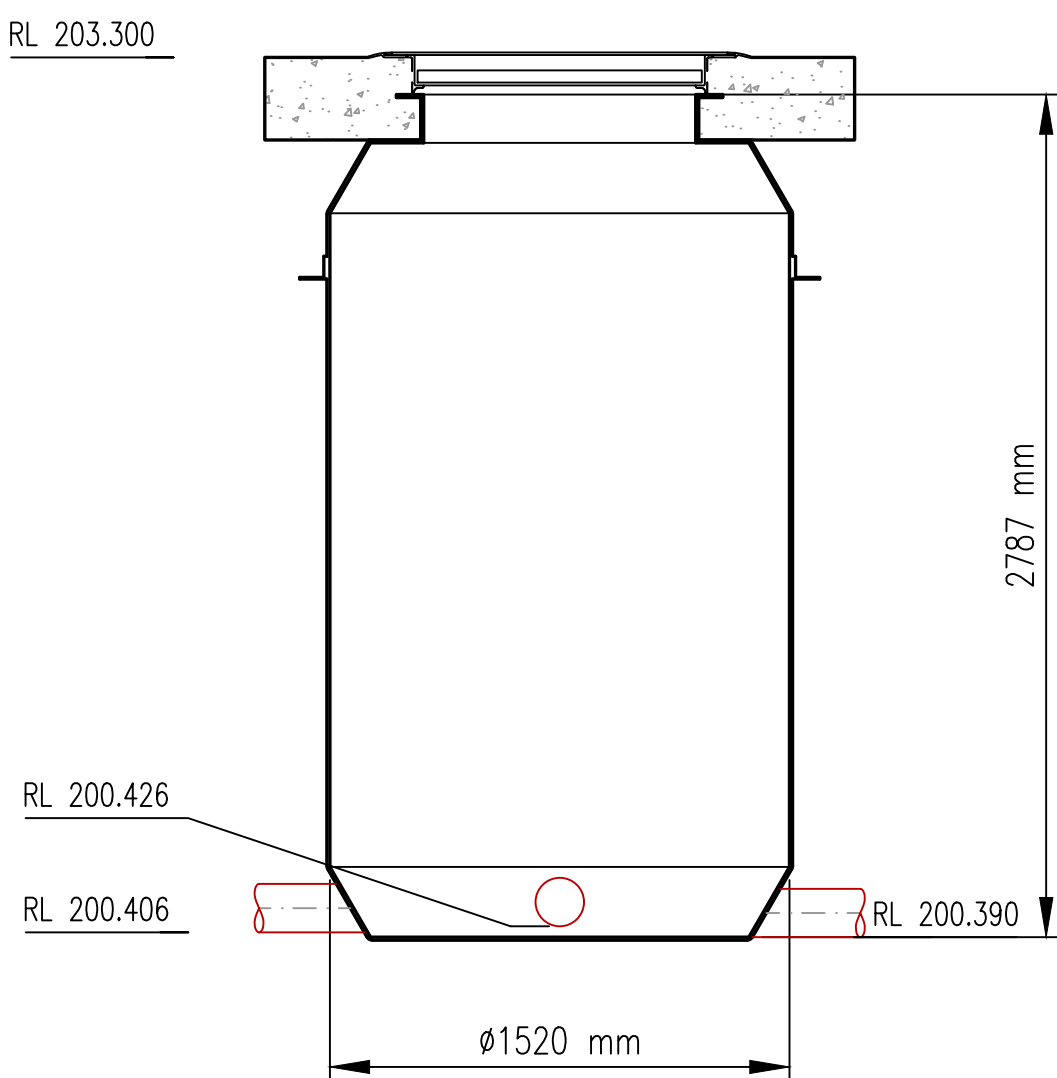
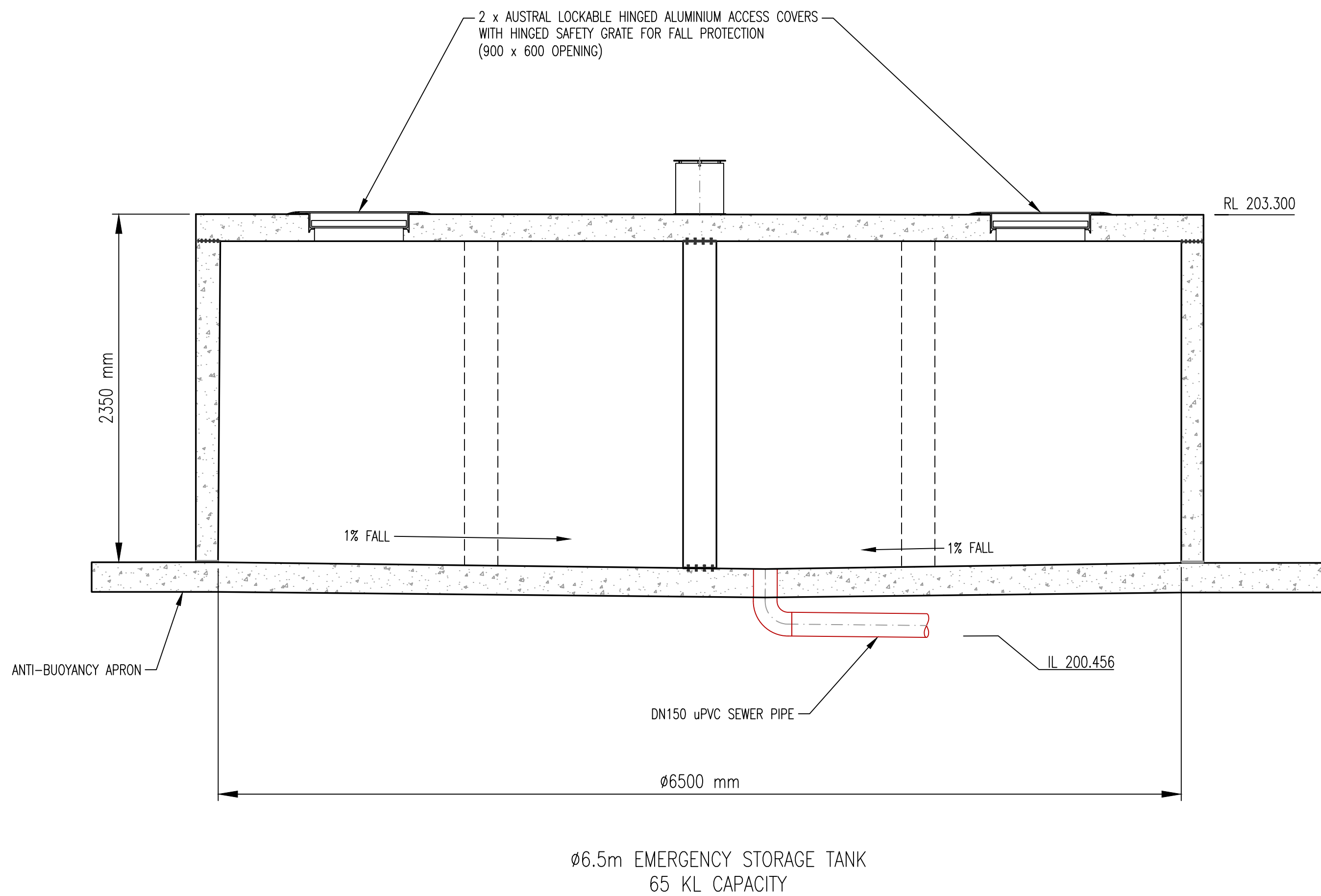
PLAN DRAWN DATE: 05/08/2020 VERSION: 01 SHEET 4 OF 6 SHEETS

WORK AS CONSTRUCTED CERTIFICATION		MW REF: 266-20	
DEVELOPER	Sydney WATER	
W.S.C.	SYDNEY WATER CORPORATION	
CONSTRUCTOR	Case No. 186459WW	
COMPLETED	SHT 4 OF 6 SHTS.	
W.A.C. PREPARED		
DESIGNER	SYDNEY WATER CORPORATION	
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS		FOR DETAILS OF SERVICES SEE SHEET 1	



SECTIONAL PLAN VIEW
(NOT TO SCALE)

WORK AS CONSTRUCTED CERTIFICATION		MW REF: 266-20	
DEVELOPER	W.S.C.	Sydney WATER	SYDNEY WATER CORPORATION
CONSTRUCTOR	COMPLETED		
W.A.C. PREPARED		Case No. 186459WW	SHT 5 OF 6 SHTS.
DESIGNER		SYDNEY WATER CORPORATION	
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS		FOR DETAILS OF SERVICES SEE SHEET 1	



HYDRAULIC PROFILE
(NOT TO SCALE)

WORK AS CONSTRUCTED CERTIFICATION		MW REF: 266-20	
DEVELOPER		SYDNEY WATER CORPORATION	
W.S.C.		<div>Sydney WATER</div>	
CONSTRUCTOR			
COMPLETED		Case No. 186459WW	SHT 6 OF 6 SHTS.
W.A.C. PREPARED		<div>SYDNEY WATER CORPORATION</div> <div>FOR DETAILS OF SERVICES SEE SHEET 1</div>	
DESIGNER			
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS			