

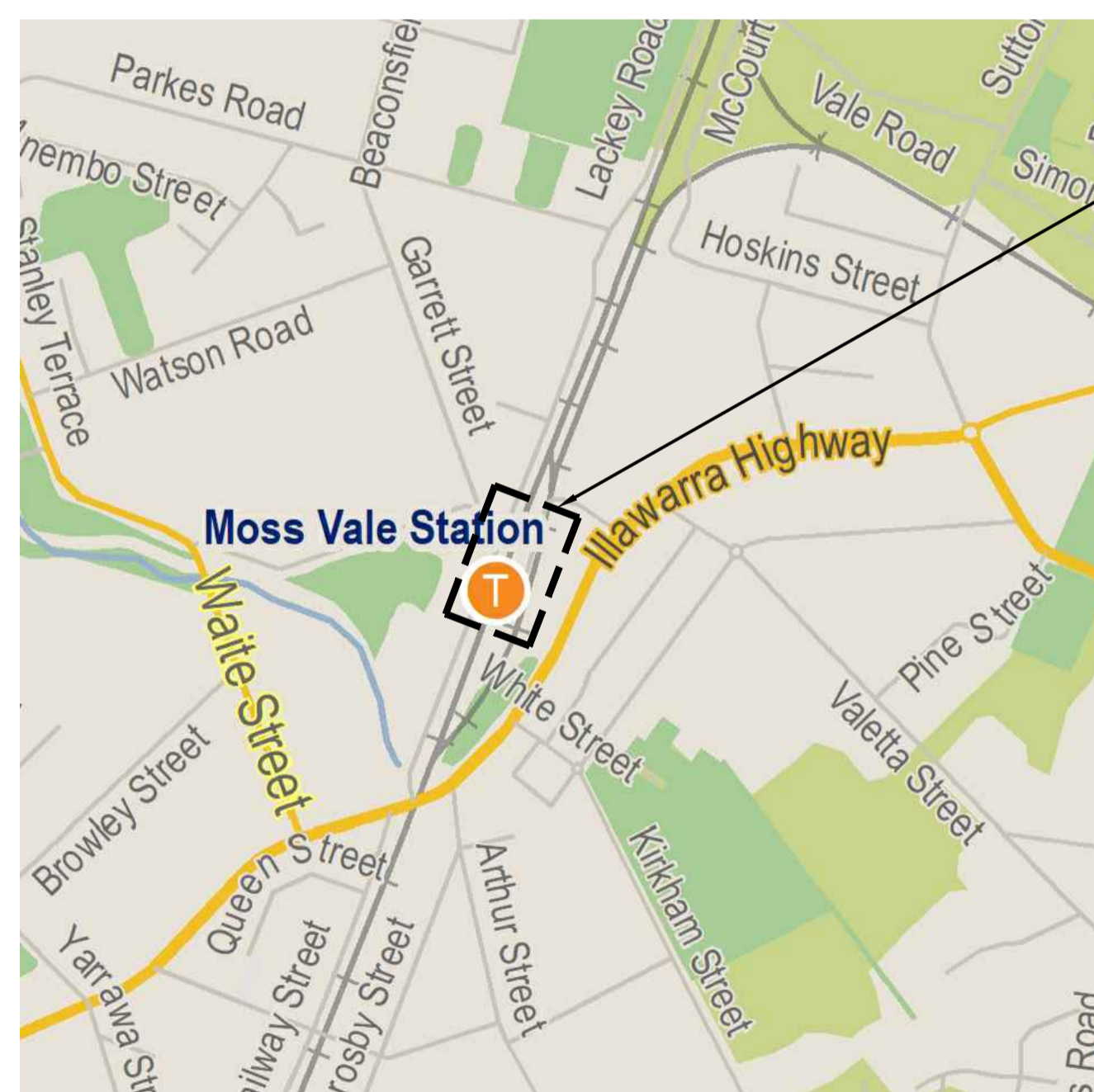


# TRANSPORT ACCESS PROGRAM 3

## MOSS VALE STATION

### MAIN SOUTH LINE 145.180 km TO 145.860km

### COVERSHEET AND DRAWING INDEX



SITE LOCATION

LOCALITY PLAN  
NTS

EDMS No.	DRAWING No.	TITLE
	TAP3150505-SMEC-MVL-HY-DRG-001300	SP1 - COVER SHEET AND DRWG INDEX
	TAP3150505-SMEC-MVL-HY-DRG-001301	SP1 - GENERAL NOTES
	TAP3150505-SMEC-MVL-HY-DRG-001320	SP1 - NORTHBOUND PLATFORM BUILDING SVCS
	TAP3150505-SMEC-MVL-HY-DRG-001321	SP1 - FAMILY ACCESSIBLE SERVICES
	TAP3150505-SMEC-MVL-HY-DRG-001322	SP1 - HYDRAULIC SERVICES PLAN - BRIDGE LEVEL
	TAP3150505-SMEC-MVL-HY-DRG-001323	SP1 - HYDRAULIC SERVICES PLAN - ROOF LEVEL
	TAP3150505-SMEC-MVL-HY-DRG-001324	SP1 - DETAIL SHEET

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

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REFERENCES:	THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED.	SCALE: NTS	CLIENT: 	<small>This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW. Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.</small>	MOSS VALE STATION MOSS VALE UPGRADE MAIN SOUTH LINE 145.600km TO 145.860km SP1-HYDRAULICS COVER SHEET AND DRAWING INDEX																				
				DRAWN _____ JOVER MOISES _____ 25.01.2024 DESIGNED _____ SHANE MUTCH _____ 25.01.2024 DRG CHECK _____ PAUL ROOS _____ 25.01.2024 DESIGN CHECK _____ JOHN BENESE _____ 25.01.2024 PROJ/DES MNGR _____ WENDY WU _____ 25.01.2024 APPROVED _____ BEN MORRIS _____ 25.01.2024	DRAWING SET No: _____ PART: _____ SHEET: 1 OF 1 A1 STATUS: RE-ISSUED FOR S60 SUBMISSION BRIDGE No: _____ DRG No: TAP3150505-SMEC-MVL-HY-DRG-001300 REV C VER 0 EDMS No. _____ AMD No. _____																				
	<table border="1"> <thead> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>DESIGNER INITIAL/DATE</th> <th>VERIFIED INITIAL/DATE</th> <th>APPROVED INITIAL/DATE</th> </tr> </thead> <tbody> <tr> <td>C</td> <td>RE-ISSUED FOR S60 SUBMISSION</td> <td>S.M/25.01.24</td> <td>S.A/25.01.24</td> <td>B.M/25.01.24</td> </tr> <tr> <td>B</td> <td>ISSUED FOR PRELIMINARY DESIGN REVIEW</td> <td>S.M/22.09.23</td> <td>S.A/22.09.23</td> <td>B.M/22.09.23</td> </tr> <tr> <td>A</td> <td>ISSUED FOR SYSTEM DEFINITION REVIEW</td> <td>S.M/04.08.23</td> <td>S.A/04.08.23</td> <td>B.M/04.08.23</td> </tr> </tbody> </table>	REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE	C	RE-ISSUED FOR S60 SUBMISSION	S.M/25.01.24	S.A/25.01.24	B.M/25.01.24	B	ISSUED FOR PRELIMINARY DESIGN REVIEW	S.M/22.09.23	S.A/22.09.23	B.M/22.09.23	A	ISSUED FOR SYSTEM DEFINITION REVIEW	S.M/04.08.23	S.A/04.08.23	B.M/04.08.23	COORDINATE SYSTEM: MGA 2020	HEIGHT DATUM: AHD	DESIGN LOT CODE:	
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FILE NAME: TAP3150505-SMEC-MVL-HY-DRG-001300.dwg

PLOT DATE & TIME: 25/01/2024 7:11:11 PM

Plotted by: CE17280







GENERAL NOTES

1. ALL DIMENSIONS ARE SHOWN IN METRES UNLESS SPECIFIED OTHERWISE.
2. DIMENSIONS SHALL NOT BE OBTAINED BY SCALING DRAWINGS.
3. LEVELS ARE IN METRES, REFERENCED TO AUSTRALIAN HEIGHT DATUM (A.H.D.).
4. CO-ORDINATES AND CHAINAGES ARE EXPRESSED IN METRES UNLESS NOTED OTHERWISE.
5. A COPY OF THE DIGITAL DESIGN MODEL CAN BE MADE AVAILABLE FOR INFORMATION, ONLY.
6. ALL DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE DESIGN REPORT
7. THESE GENERAL NOTES ARE TO BE READ IN CONJUNCTION WITH NOTES IN OTHER RELATED DESIGN PACKAGES.
8. DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED BY THE DESIGNER DURING THE COURSE OF CONSTRUCTION. WHERE THERE IS A DISCREPANCY, THIS SHALL BE RESOLVED BY THE DESIGNER. NOTES ON SPECIFIC DOCUMENTS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES.
9. ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS TOGETHER WITH THE REQUIREMENTS OF ALL RELEVANT CODES OF PRACTICE REFERRED TO THEREIN AND THE REQUIREMENTS OF ALL STATUTORY AUTHORITIES WHERE APPLICABLE.
10. WITHIN THE RAIL CORRIDOR, ALL WORK TO BE CARRIED OUT IN LINE WITH TfNSW GUIDELINES FOLLOWED BY AUSTRALIAN STANDARDS. OUTSIDE OF THE RAIL CORRIDOR, ALL WORK TO BE CARRIED OUT IN LINE WITH LOCAL COUNCIL ENGINEERING GUIDELINES FOLLOWED BY TfNSW GUIDELINES AND AUSTRALIAN STANDARDS.
11. ALL DIMENSIONS AND MATERIAL PROPERTIES SHALL BE VERIFIED ON SITE BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
12. ALL EXISTING INFRASTRUCTURE, INCLUDING UNDERGROUND SERVICES, ARE TO BE INVESTIGATED, POT-HOLED, INSPECTED AND THEIR CURRENT CONDITION SURVEYED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF ANY PROJECT WORKS. ALL EXISTING INFRASTRUCTURE NOT IMPACTED BY THE CONSTRUCTION WORKS SHALL BE MONITORED AND ANY ALTERATIONS DOCUMENTED BY THE CONTRACTOR.
13. ALL EXISTING PERMANENT SURVEY MARKS (PSM) ARE TO BE MAINTAINED IN THEIR TRUE AND CORRECT POSITION AT ALL TIMES. ALL EXISTING TEMPORARY SURVEY MARKS ARE TO BE MAINTAINED DURING THE CONSTRUCTION PERIOD. IF THE CONTRACTOR REQUIRES ANY TEMPORARY SURVEY MARK TO BE RELOCATED, THEN THE CONTRACTOR SHALL CARRY OUT ALL RELEVANT WORKS TO MODIFY THE SURVEY MARK AS NECESSARY DURING THE INTERIM PERIOD AND RE-INSTATE THE TEMPORARY SURVEY MARK BACK TO ITS ORIGINAL POSITION.
14. THE CONTRACTOR SHALL ESTABLISH CONSTRUCTION SURVEY MARKS WITHIN THE PROJECT BOUNDARY AS NECESSARY. IF THE CONTRACTOR RE-LOCATES ANY CONSTRUCTION SURVEY MARKS, THE CONTRACTOR MUST NOTIFY THE PRINCIPAL'S REPRESENTATIVE PRIOR TO UNDERTAKING ANY RE-LOCATION AND SUBSEQUENTLY CONFIRM THAT ALL PARTIES INVOLVED WITH THE CONSTRUCTION WORKS HAVE BEEN PROVIDED WITH THE CONSTRUCTION SURVEY MARK DETAILS.
15. IF THE CONTRACTOR DISCOVERS AN ERROR IN THE POSITION, LEVEL, DIMENSIONS AND/OR ALIGNMENT OF ANY PART OF THE PROJECT WORKS, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE PRINCIPAL'S REPRESENTATIVE AND, UNLESS THE PRINCIPAL'S REPRESENTATIVE DIRECTS OTHERWISE, THE CONTRACTOR MUST RECTIFY THE ERROR AT THEIR COST.
16. THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION TRAFFIC MANAGEMENT PLAN (CTMP) IDENTIFYING ALL CONTROL MANAGEMENT ASSOCIATED FOR EACH CONSTRUCTION TASK AND SUBMIT THE CTMP TO THE PRINCIPAL'S REPRESENTATIVE FOR ACCEPTANCE. NO CIVIL WORKS AND/OR ASSOCIATED CONSTRUCTION TASKS SHALL COMMENCE UNTIL THE CTMP HAS BEEN APPROVED BY THE DESIGNATED APPROVAL AUTHORITY.
17. ALL SERVICE PITS WITH A SURFACE OR OPENING THAT IS FLUSH WITH THE FINISHED SURFACE LEVEL IN THE PUBLIC DOMAIN HARDSTAND AREAS SHALL HAVE THE SURFACE AND/OR OPENING ALIGNED IN ACCORDANCE WITH THE FINISHED SURFACE PAVING JOINT ARRANGEMENT.
18. FOR THE LOCATION AND DETAILS OF STREET FURNITURE, TREE PLANTING AND ASSOCIATED WORKS, REFER TO ARCHITECT AND LANDSCAPE PACKAGES.
19. THIS PLAN MUST NOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY PURPOSE OTHER THAN ORIGINALLY INTENDED WITHOUT APPROVAL FROM JHA CONSULTING ENGINEERS.
20. THIS PLAN SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL, OTHER CONSULTANTS DRAWINGS, SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE. REFER TO THE ARCHITECT FOR DECISIONS BEFORE PROCEEDING WITH ANY WORK.
21. ALL WORKS TO BE IN ACCORDANCE WITH THE HYDRAULIC SERVICES SPECIFICATION, AUTHORITIES REQUIREMENTS, PLUMBING CODE OF AUSTRALIA, AS3500, AS1530, CURRENT NCC & NSW HEALTH DEPT.
22. CONFIRM LOCATION, SIZE AND LEVELS OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORK.
23. DISCONNECT AND REMOVE ALL EXISTING REDUNDANT SERVICES TO AUTHORITIES APPROVAL.
24. LOCATIONS & FIXING OF PIPEWORK SHALL BE SUBJECT TO CO-ORDINATION WITH OTHER DESIGN DISCIPLINES, ie STRUCTURAL, MECHANICAL, ELECTRICAL AND OTHER SERVICES ENGINEERS.
25. ALL LOCATIONS OF EXISTING SERVICES MAINS TO BE CONFIRMED BY MEANS OF DIAL BEFORE YOU DIG, PIPE LOCATOR AND TRACING PRIOR TO COMMENCEMENT OF WORKS.
26. ALL WORKS TO INCLUDE TESTING & INSPECTIONS. OBTAIN REQUIRED CERTIFICATES ON COMPLETION & PAYMENT OF RELEVANT FEES.
27. THE HYDRAULIC CONTRACTOR SHALL ALLOW IN THE TENDER TO SUBMIT PHOTO BASED INSPECTION AND TEST PLANS ESPECIALLY FOR SERVICE PENETRATIONS THROUGH FIRE AND SMOKE WALLS. REFER TO ARCHITECTURAL DRAWINGS FOR DEMOLITION PLAN AND SCOPE OF WORKS.
28. ALLOW TO CLEAN / FLUSH OUT ALL EXISTING STORMWATER DRAINAGE.
29. ALLOW TO SAWCUT/REMOVE HARD SURFACES AREAS AS REQUIRED TO COMPLETE THE INSTALLATION. ALLOW TO MAKE GOOD SURFACES UPON COMPLETION.
30. CHECK EXISTING ELECTRICAL EARTHING TO METALLIC PLUMBING SERVICES. PROVIDE TEMPORARY EARTHING CABLES BETWEEN SERVICES WHICH ARE TO BE CUT, TERMINATED OR EXTENDED. CONFIRM WITH SITE ELECTRICIAN FOR SAFE PROCEDURES.
31. CONTRACTOR IS TO SET OUT & DIMENSION ALL PENETRATIONS & GAIN APPROVAL FROM STRUCTURAL ENGINEER BEFORE WORK COMMENCES. PROVIDE SEPARATE PENETRATION FOR EACH SERVICE SO AS TO ENSURE ADEQUATE FIRE STOPPING. ALL PIPE PENETRATIONS SHALL BE FITTED WITH APPROVED FIRE STOP COLLARS/ DEVICES TO CONFORM TO AS1530.
32. WATER, WASTE & GAS PIPES LOCATED WITHIN JOINERY CABINETS, SINK CUPBOARD etc. SHALL BE ARRANGED IN A MANNER SO AS NOT TO OBSTRUCT THE FREE SPACE AS FAR AS PRACTICAL INSTALLATION PERMITS.
33. PROVIDE FLOW CONTROL TO ALL FIXTURES. REFER FIXTURE/FAUCET SCHEDULE.
34. ALL WORK IS TO COMPLY WITH ALL AUTHORITY REQUIREMENTS, RELEVANT AUSTRALIAN STANDARDS AND THE NATIONAL CONSTRUCTION CODE.
35. IT IS THE SUB CONTRACTORS RESPONSIBILITY TO DEVELOP DETAILED DRAWINGS, FULLY CO-ORDINATED WITH ALL SERVICE DISCIPLINES, NEW AND EXISTING STRUCTURE AND ARCHITECTURAL DOCUMENTATION.
36. THE SUB-CONTRACTOR IS RESPONSIBLE FOR THE COMPLETE DETAILED DESIGN, CALCULATIONS AND SUBMISSIONS, SUPPLY AND INSTALLATION OF ALL SERVICES, CERTIFICATION AND APPROVALS, COMMISSIONING, TESTING & HANDOVER.
37. THE SUB-CONTRACTOR IS TO ALLOW FOR THE PAYMENT OF ALL FEES AND CHARGES LEVIED BY THE VARIOUS AUTHORITIES AND PREPARE ALL SUBMISSIONS AS REQUIRED TO FACILITATE THE CONSTRUCTION OF ALL SERVICES.
38. CONTRACTOR TO CONFIRM IF A CURRENT PRESSURE & FLOW APPLICATION IS IN PLACE PRIOR TO CONNECTING TO THE AUTHORITY WATER MAIN & MAKE NEW APPLICATION PRIOR TO STARTING WORKS ON-SITE.
39. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN.
40. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
41. ALL DIMENSIONS SHALL BE VERIFIED ON SITE BEFORE PROCEEDING WITH THE WORK. THE CLIENT SHALL BE NOTIFIED IN WRITING OF ANY DISCREPANCIES.
42. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT CONTRACTS, SPECIFICATIONS, REPORTS AND DRAWINGS.
43. CONTRACTOR SHALL PROVIDE A DETAILED CONSTRUCTION PROGRAM TO TfNSW AND SYDNEY TRAINS FOR APPROVAL PRIOR TO CONSTRUCTION WORKS.
44. CONTRACTOR SHALL 'DIAL BEFORE YOU DIG' PRIOR TO COMMENCEMENT OF SITE EXCAVATION. IT REMAINS THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT APPROPRIATE DBYD ACTIVITIES FOR ALL UTILITIES & SERVICES PRIOR TO EXCAVATION WORKS BEING EXECUTED ON-SITE.
45. CONTRACTOR SHALL PROVIDE WORKSHOP DRAWINGS AND INSTALLATION DETAILS FOR APPROVAL PRIOR TO THE COMMENCEMENT OF INSTALLATION WORKS.

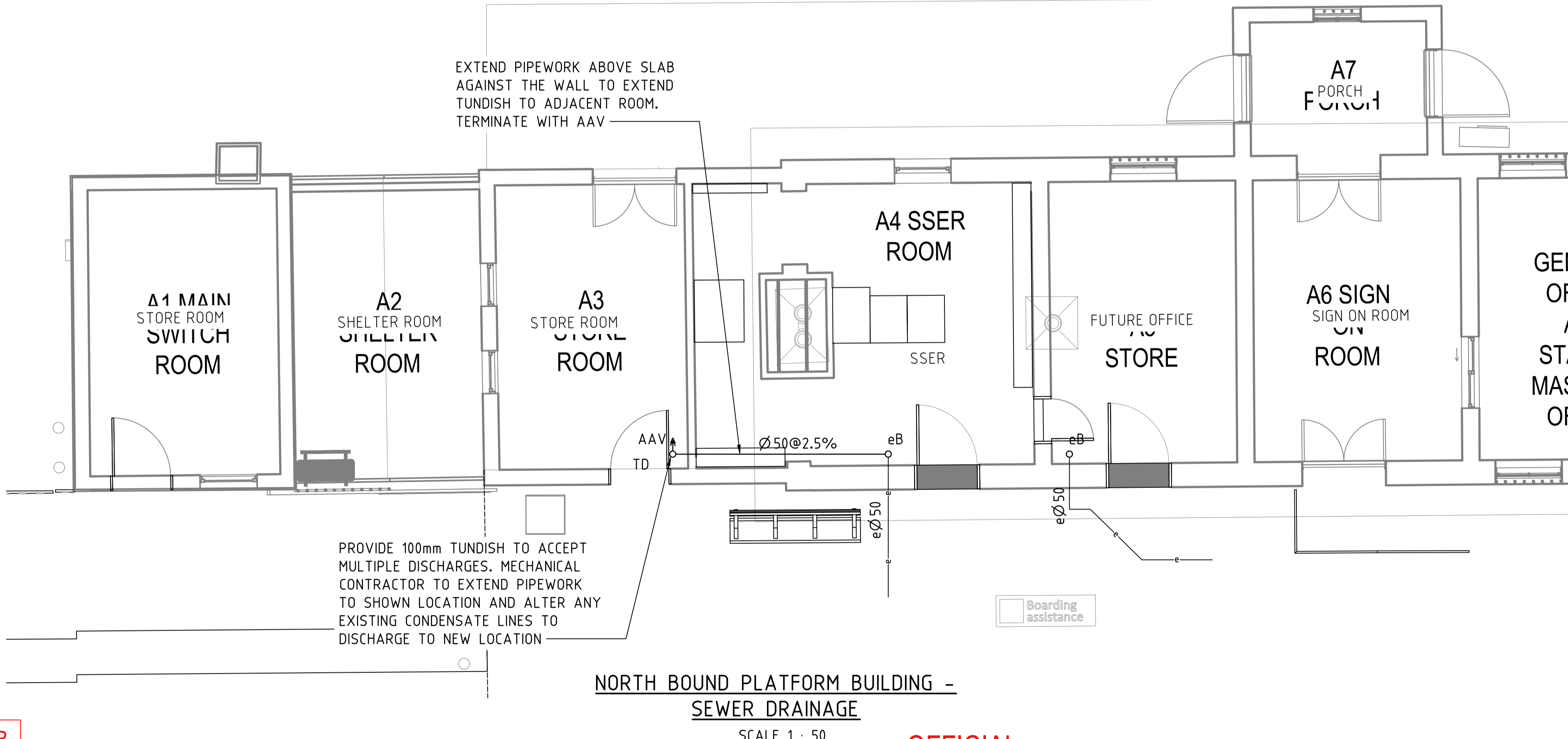
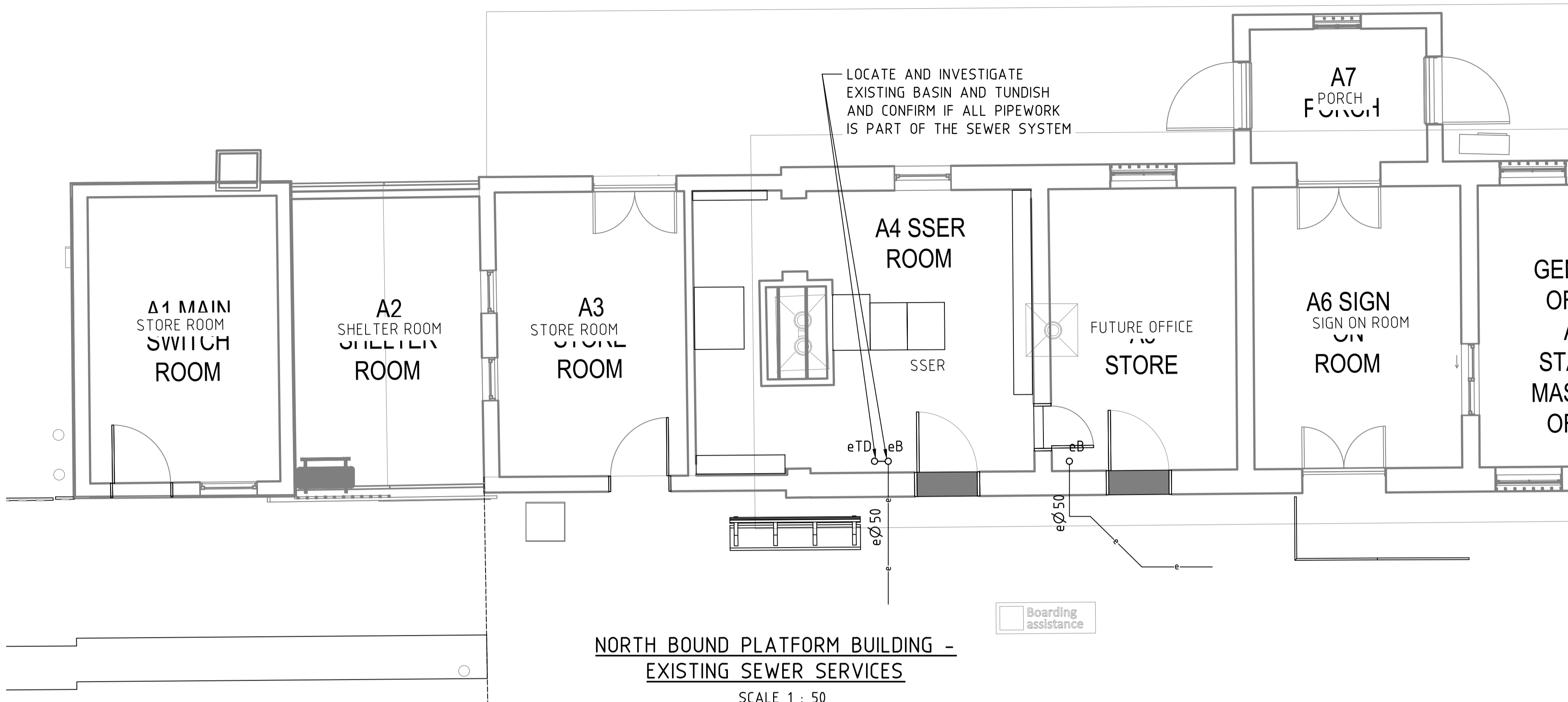
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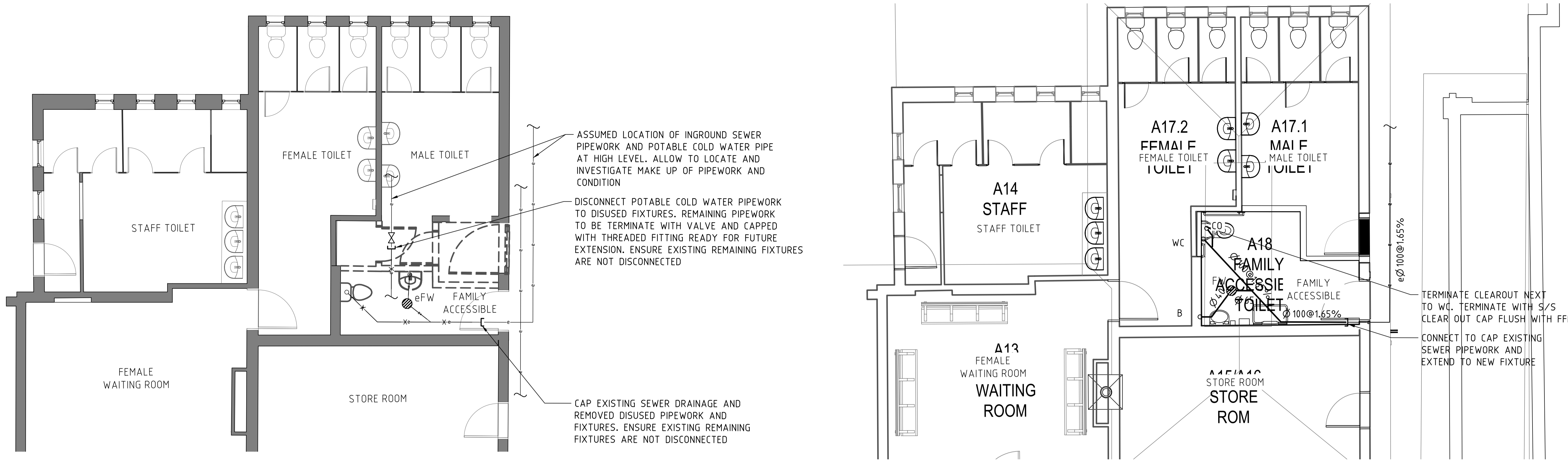




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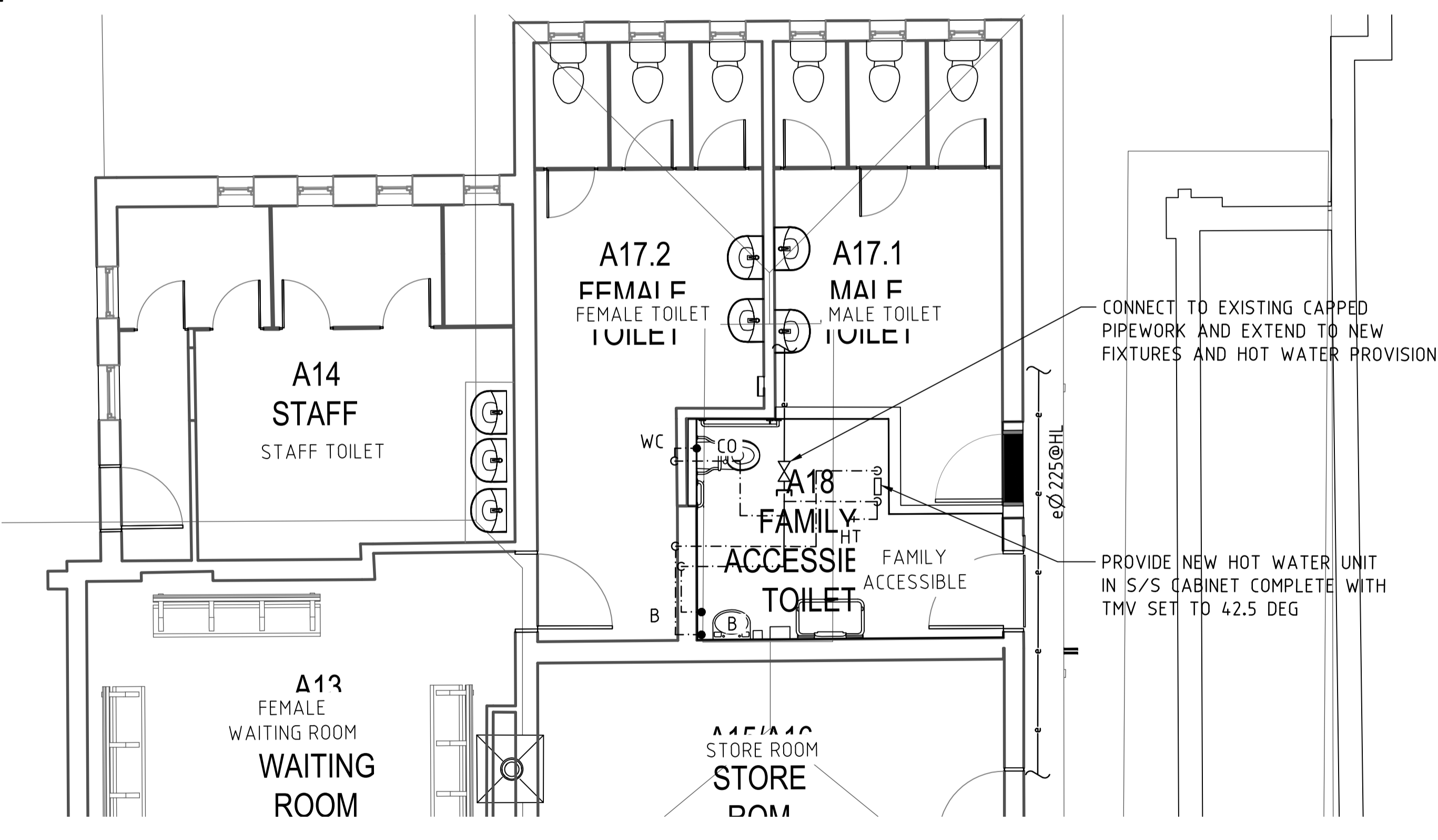
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**FAMILY ACCESSIBLE - EXISTING AND DEMOLISHED SERVICES**  
SCALE 1 : 50

**FAMILY ACCESSIBLE - SEWER DRAINAGE**  
SCALE 1 : 50



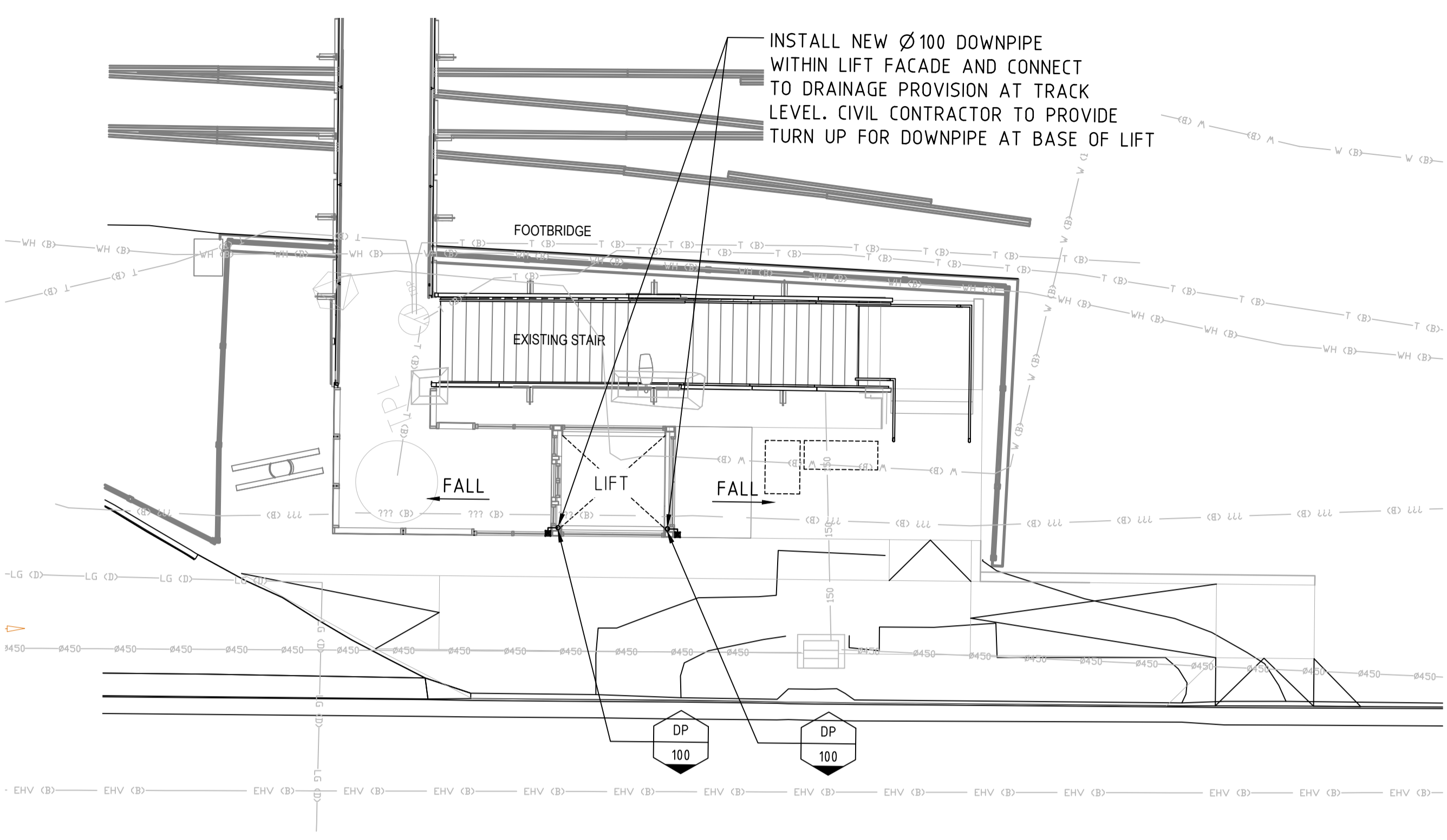
**FAMILY ACCESSIBLE - POTABLE COLD AND HOT WATER SUPPLY**  
SCALE 1 : 50

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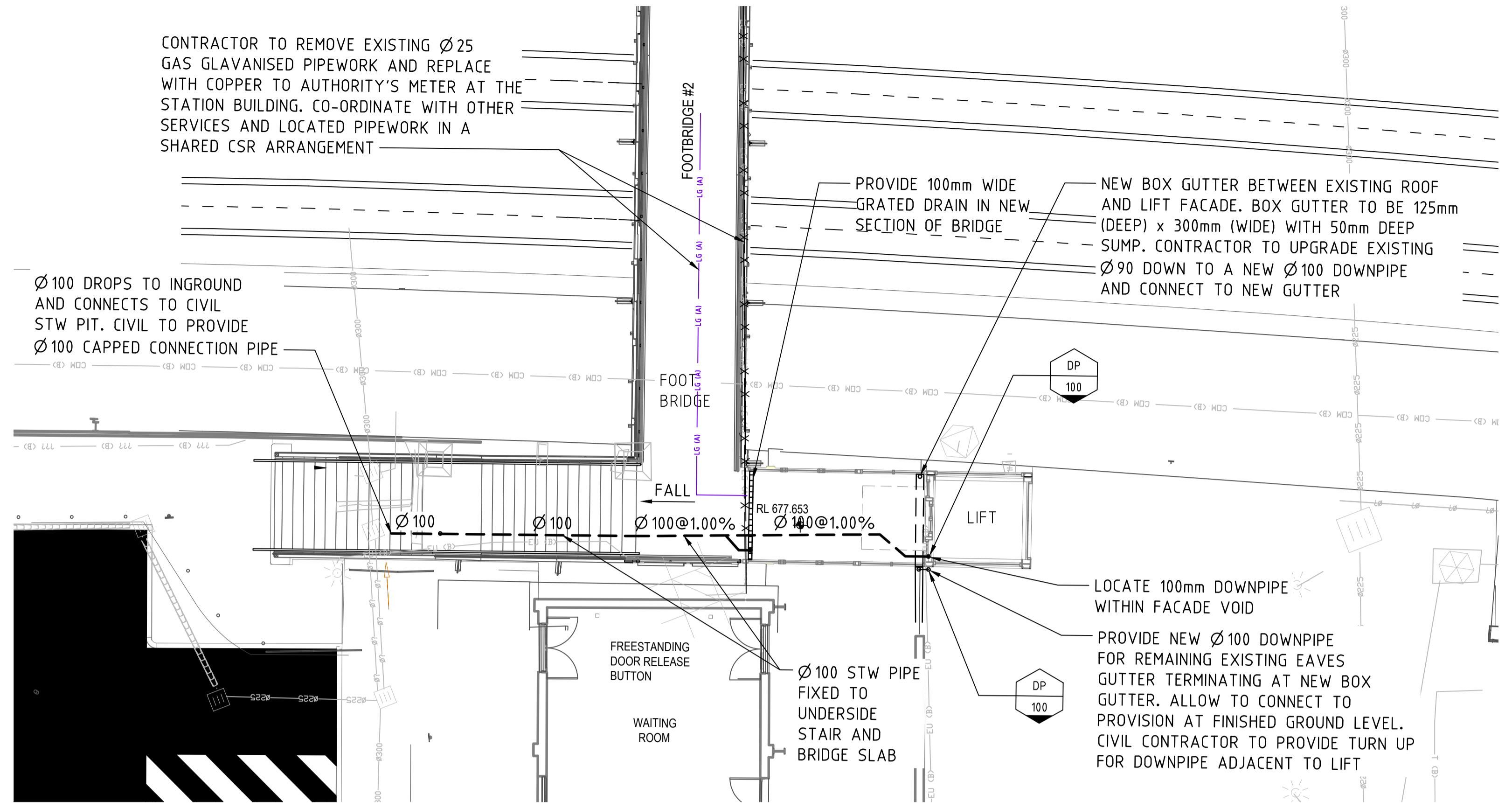
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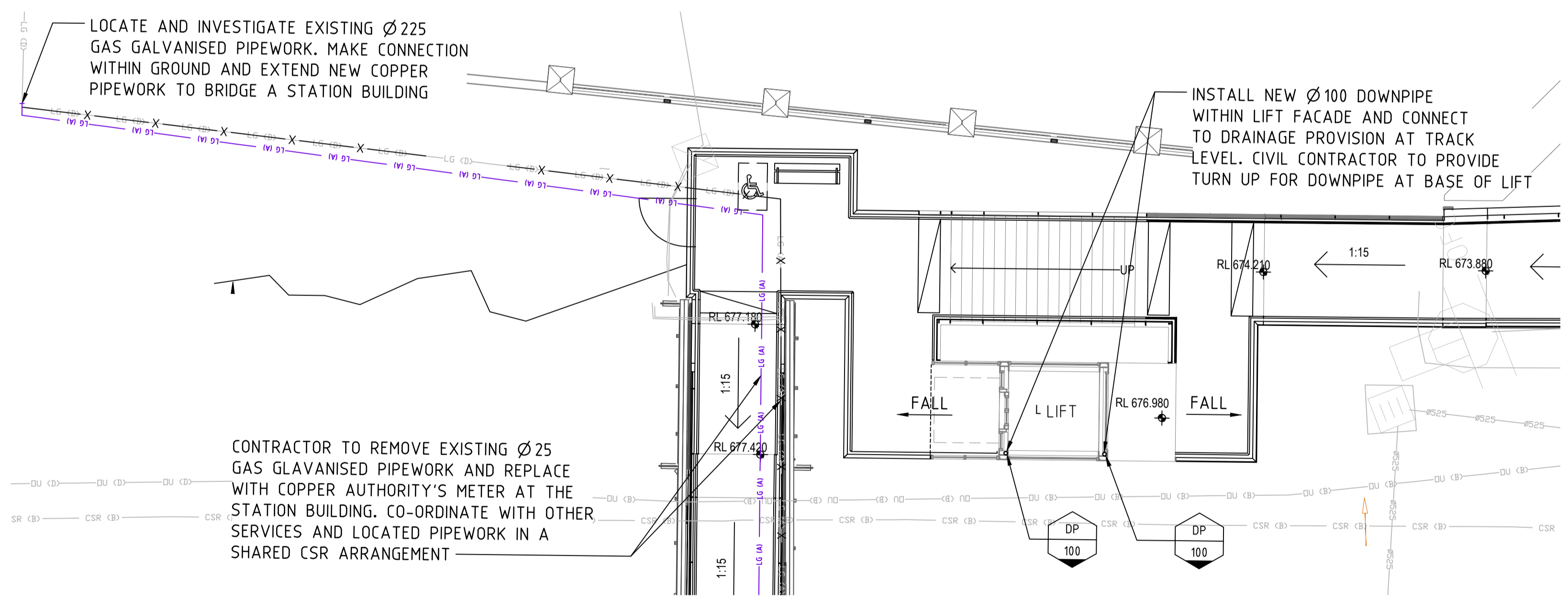




**LACKEY STREET LIFT - BRIDGE LEVEL**  
SCALE 1 : 100



**COURTYARD LIFT - BRIDGE LEVEL**  
SCALE 1 : 100



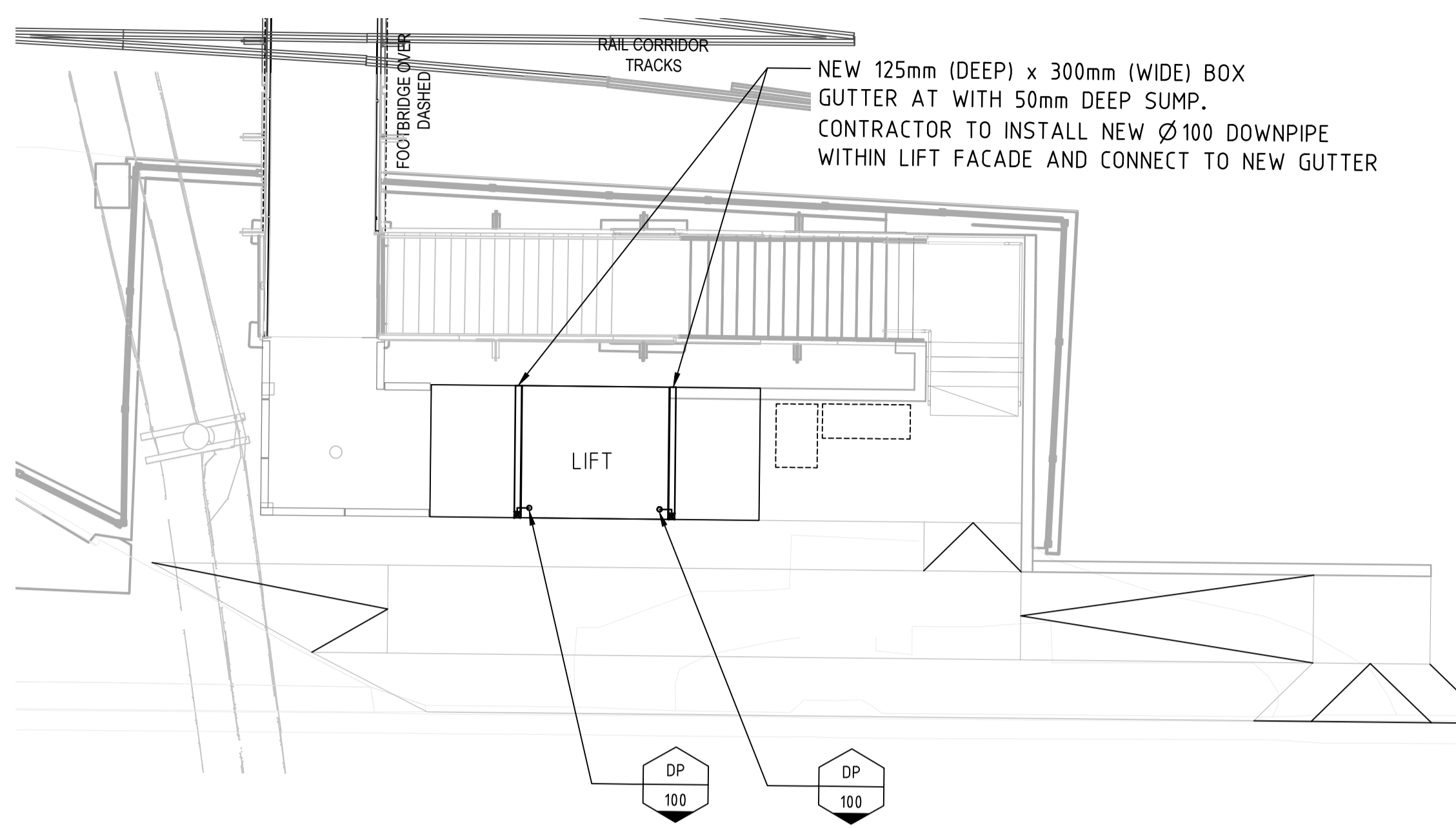
**ARGYLE STREET LIFT - BRIDGE LEVEL**  
SCALE 1 : 100

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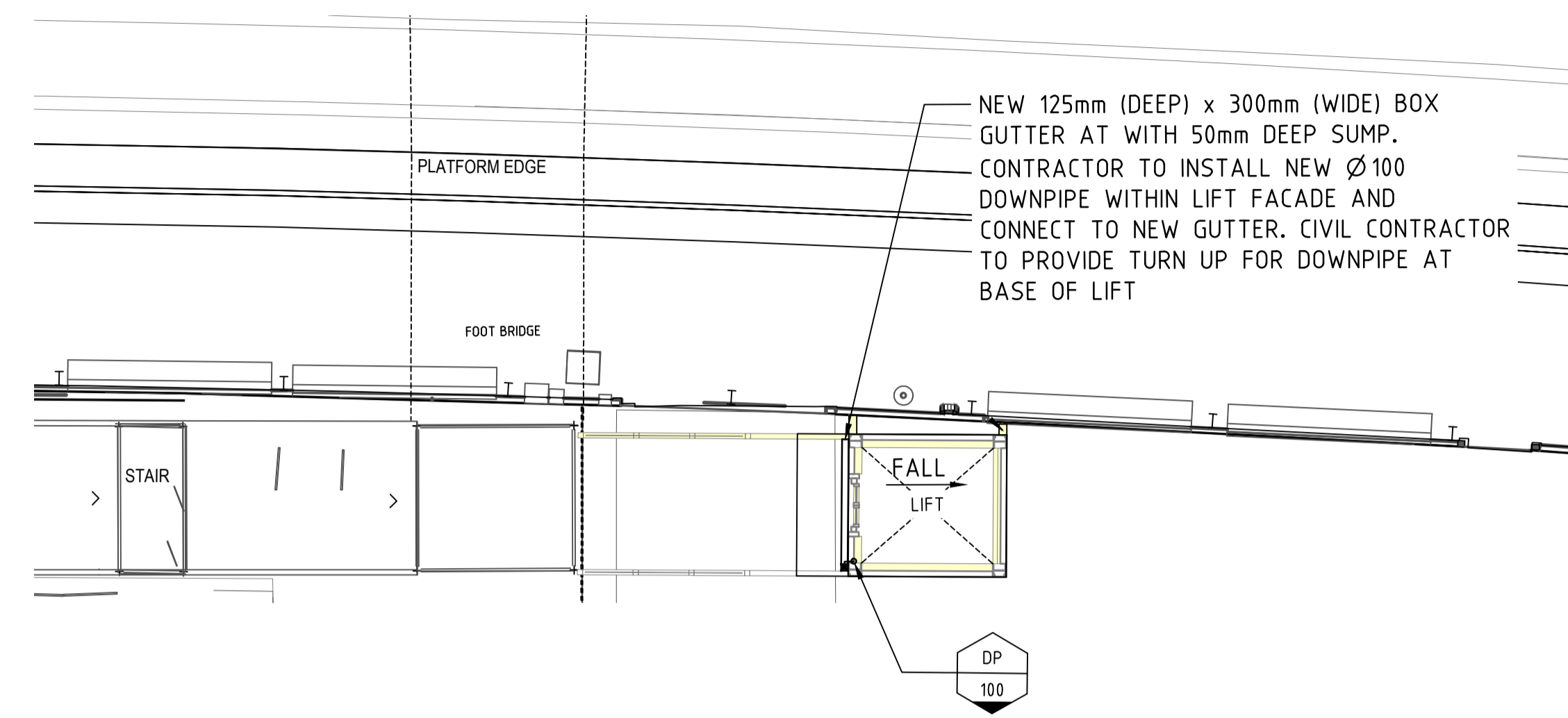
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REFERENCES:	THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED.			SCALE: 1:100	CLIENT:	<small>This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW. Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.</small>	MOSS VALE STATION MOSS VALE UPGRADE MAIN SOUTH LINE 145.600km TO 145.860km SP1-HYDRAULICS HYDRAULIC SERVICES PLAN - BRIDGE LEVEL																			
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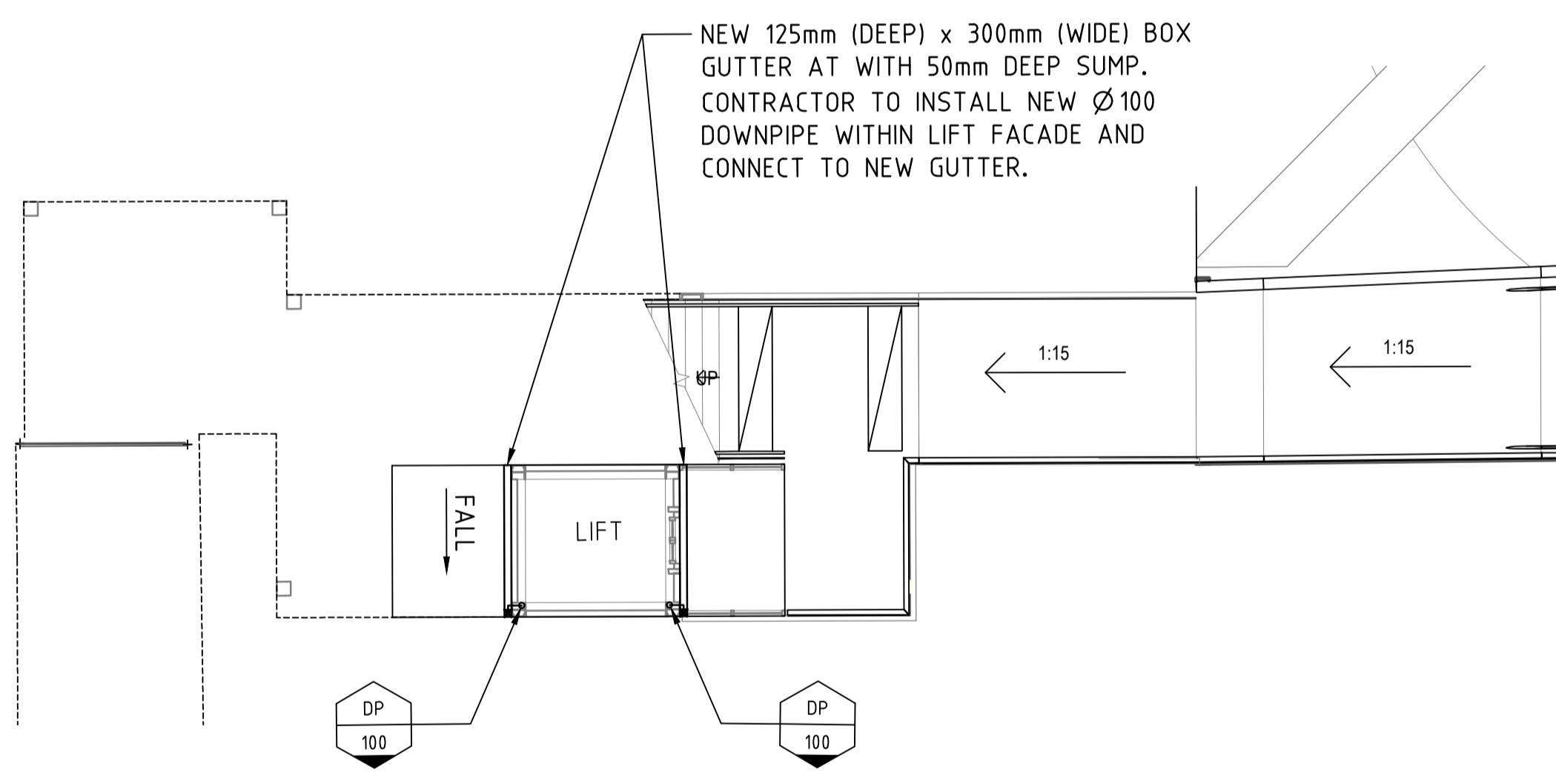




**LACKEY STREET LIFT - ROOF LEVEL**  
SCALE 1 : 100



**COURTYARD LIFT - ROOF LEVEL**  
SCALE 1 : 100



**ARGYLE STREET LIFT - ROOF LEVEL**  
SCALE 1 : 100

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