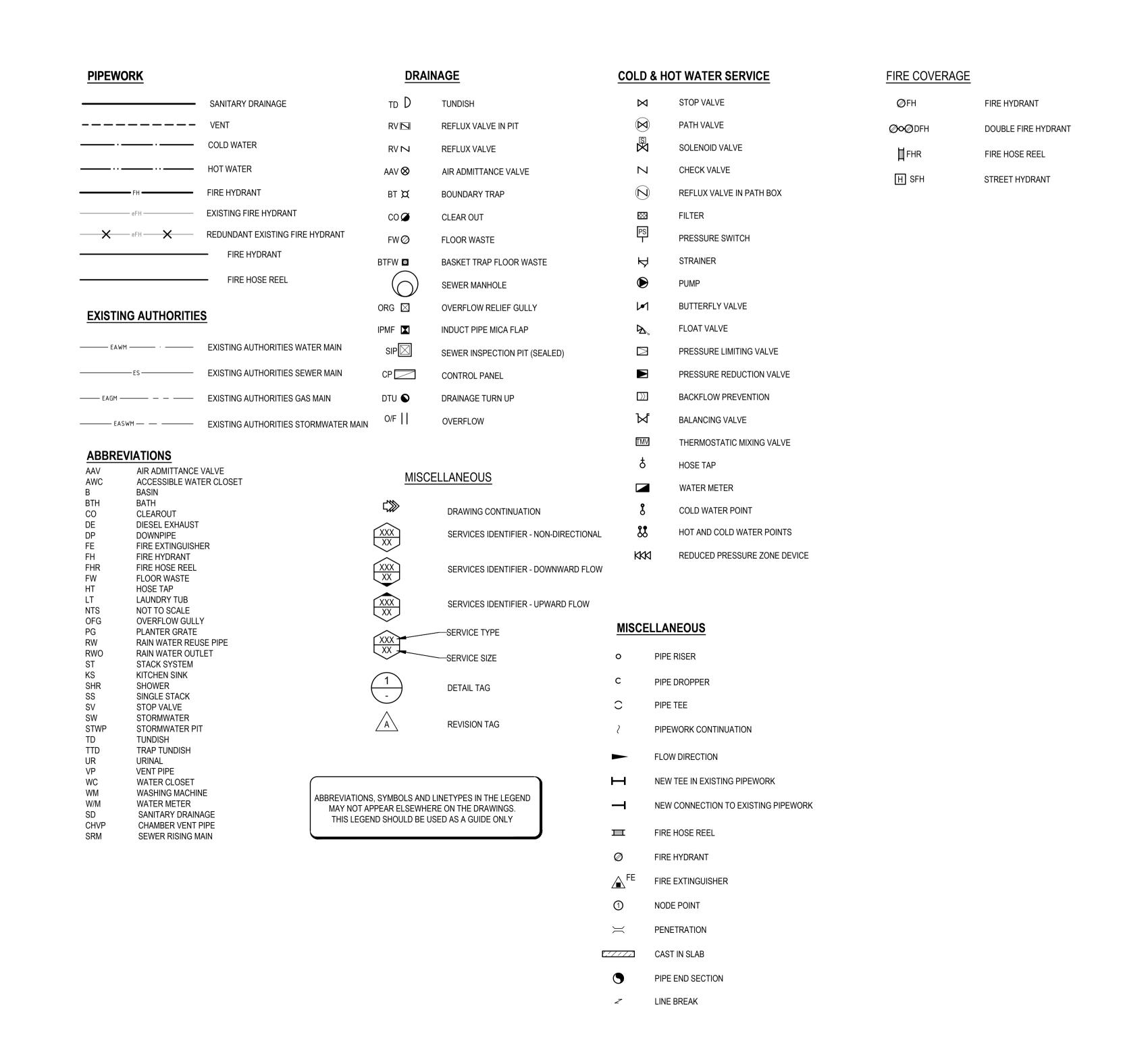
NEW WAREHOUSE

36 PLATINUM COURT THRUGOONA NSW 2640

HYDRAULIC SERVICES

DRAWING SCHEDULE:								
NUMBER	TITLE							
H000	COVERSHEET, LEGENDS, NOTES AND DRAWING LIST							
H001	HYDRAULIC SPECIFICATIONS							
H002	SITE SERVICES							
H100	GROUND FLOOR PLAN SANITARY DRAINAGE LAYOUT							
H101	MEZZANINE FLOOR PLAN SANITARY DRAINAGE LAYOUT							
H102	ROOF PLAN SANITARY DRAINAGE LAYOUT							
H200	GROUND FLOOR PLAN WATER AND GAS LAYOUT							
H300	DETAILS							





GENERAL NOTES:

- 1. THESE DRAWINGS ARE A GUIDE ONLY FOR THE LOCATION AND LAYOUT OF THE SERVICE PIPES. CONTRACTOR TO EXAMINE SITE CONDITIONS AND ROUTE PIPEWORK TO MOST APPROPRIATE
- 2. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS, SPECIFICATIONS AND DRAWINGS. FOR THE FINAL LOCATION OF FIXTURES AND FITTINGS REFER TO ARCHITECTURAL SCHEDULE AND DRAWING PACKAGE.
- 3. THE HYDRAULIC SERVICES WORK SHALL BE CARRIED OUT UNDER THE DIRECT SUPERVISION OF A LICENSED PLUMBER, DRAINER AND GAS FITTER IN STRICT ACCORDANCE WITH THE NSW CODES OF PRACTICE PLUMBING AND DRAINAGE, NATIONAL CONSTRUCTION CODE, RELEVANT AUSTRALIAN STANDARDS, COUNCIL REGULATIONS, FIRE ENGINEERING REPORT WHERE APPLICABLE AND TO THE SATISFACTION OF THE CONTROLLING AUTHORITIES.
- 4. THIS SET OF DRAWINGS IS DIAGRAMMATIC ONLY. THE CONTRACTOR SHALL CO-ORDINATE WITH OTHER TRADES AND SET OUT ALL WORKS TO SUIT ACTUAL ON-SITE CONDITIONS.
- 5. THIS SET OF DRAWINGS IS ISSUED FOR TENDER STATUS FOR THE WORKS WHICH DOES NOT CONSTITUTE AS THE INSTALLATION DRAWINGS. THE CONTRACTOR SHALL DEVELOP THE INFORMATION CONTAINED ON THIS SET OF DRAWINGS INTO A COMPLETE SET OF FULLY DETAILED INSTALLATION DRAWINGS FOR CONSTRUCTION.
- 6. CONFIRM LOCATION, SIZES AND DEPTHS OF STRUCTURAL BEAMS, ALL OTHER SERVICES, CEILING VOID AND CEILING HEIGHT PRIOR TO INSTALLATION. DETERMINE EXACT SIZES AND LOCATIONS OF STRUCTURAL PENETRATIONS ON SITE IN ACCORDANCE WITH THE STRUCTURAL REQUIREMENTS. OBTAIN APPROVAL FROM STRUCTURAL ENGINEER PRIOR TO DRILLING ANY CORE HOLES AND PENETRATING STRUCTURE.
- 7. DISTURBED AREAS ARE TO BE REINSTATED TO THE ORIGINAL CONDITION. TRENCHES THROUGH EXISTING ROAD AND CONCRETE SHALL BE FILLED AND COMPACTED AS PER STRUCTURAL
- 8. OBTAIN APPROVALS, PERMITS AND FINAL CERTIFICATES FROM CONTROLLING AUTHORITIES PRIOR TO THE COMPLETION OF WORKS.
- 9. PAY ALL APPLICABLE FEES AND CHARGES INCLUDING AREA CONTRIBUTION IN ACCORDANCE WITH CONTROLLING AUTHORITIES CURRENT FEE SCALES. SUBMIT DETAILED HYDRAULIC CALCULATIONS WITH ISOMETRIC DIAGRAMS FOR THE HYDRAULIC SERVICES SYSTEMS FOR REVIEW PRIOR TO INSTALLATION.
- 10. TECHNICAL SUBMISSION INCLUDING SHOP DRAWINGS, MATERIAL / EQUIPMENT SCHEDULES WITH TECHNICAL INFORMATION, HYDRAULIC CALCULATIONS, BMS SCHEDULES AND SAMPLES SHALL BE SUBMITTED TO CENTRIC FOR REVIEW PRIOR TO INSTALLATION.
- 11. ALL HYDRAULIC SERVICES PIPEWORK SHALL BE LOCATED IN CEILINGS, WALLS, DUCTS OR UNDER BENCHES. PIPEWORK INSTALLED OTHER THAN NOTED SHALL BE APPROVED BY THE SUPERINTENDENT BEFORE WORK IS INSTALLED.

- 1. VERIFY THAT ALL INVERT LEVELS, SURFACE LEVELS AND CLEARANCES ARE CORRECT AND OBTAINABLE PRIOR TO COMMENCING WORKS.
- 2. ALL LEVELS ARE SHOWN IN METRES AHD. UNLESS NOTED OTHERWISE.

REGULATIONS:

- 1. ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH NSW CODES OF PRACTICE, NATIONAL CONSTRUCTION CODE. RELEVANT AUSTRALIAN STANDARDS, COUNCIL REGULATIONS, AND WHERE APPLICABLE AND TO THE SATISFACTION OF THE CONTROLLING AUTHORITIES.
- 2. WORKS SHALL BE CONSTRUCTED & INSTALLED BY SUITABLY QUALIFIED, LICENSED, AND COMPETENT TRADES PERSONNEL.
- 3. ALL WORKS RELATING TO NSW EDUCATION SHALL BE IN ACCORDANCE WITH THE EFSG

TESTING AND INSPECTION

- 1. THE CONTRACTOR SHALL PAY ALL COSTS FOR TESTING OF HYDRAULIC SERVICES. ALL TESTING PROCEDURES TO BE UNDERTAKEN AS PER THE RELEVANT AUSTRALIAN STANDARD AND OR
- 2. THE CONTRACTOR SHALL ARRANGE INSPECTIONS WITH THE APPROPRIATE AUTHORITIES PRIOR TO SEALING OF SERVICES AT EACH STAGE WHERE REQUIRED.

EXISTING SERVICES

1. ALL EXISTING SERVICES MADE REDUNDANT FROM THESE WORKS AND EXISTING REDUNDANT SERVICES SHALL BE REMOVED OR SEALED OFF IN ACCORDANCE WITH THESE DRAWINGS. CONTRACT DOCUMENTS AND TO THE SATISFACTION OF THE LOCAL AUTHORITY.

PIPE DIAMETERS

- 1. ALL PIPE DIAMETERS DETAILED ON THESE DRAWINGS ARE SHOWN AS NOMINAL DIAMETERS(DN).
- 2. WHERE PE, PEX, PPR, PB AND COMPOSITE PLASTIC PIPEWORK MATERIALS ARE NOMINATED, THE NOMINAL DIAMETER SHALL BE TAKEN AS THE INTERNAL DIAMETER OF THE PIPEWORK AND NOT THE OUTSIDE DIAMETER. FOR NOMINAL DIAMETERS UP TO DN50, REFER TO AS/NZS3500.1.

FIRE RATED PENETRATIONS

- 1. PROVIDE FIRE RATED PENETRATIONS FOR SERVICES PASSING THROUGH EACH FIRE RATED ELEMENT. FIRE RATED PENETRATIONS SHALL ACHIEVE THE SAME RATING AS THE BUILDING ELEMENT PENETRATED. SEAL PENETRATIONS WITH A SYSTEM CONFORMING TO AS4072.1. PASSIVE FIRE ENGINEER AND NCC.
- 2. WHEREVER OR WHENEVER THE PROPOSED WORKS REQUIRE THE PENETRATION OF AN ELEMENT HAVING A FIRE RESISTANCE RATING. THE CONTRACTOR SHALL ENSURE THAT ANY PERSON RESPONSIBLE FOR THE INSTALLATION OF ANY SYSTEM USED TO PROTECT/REINSTATE THE FRL OF THE PENETRATION;
- HOLDS AN APPROPRIATE LICENSE

'SUBSTANTIAL COMPLETION'.

- PROVIDES AN INSTALLATION STATEMENT IN THE FORMAT PRESCRIBED BY AS4072.1 TO
- DESCRIBE THE PENETRATION, ITS LOCATION AND METHOD OF TREATMENT; THE CONTRACTOR SHALL FURNISH A COPY OF THE INSTALLATION STATEMENT AS PROVIDED IN ABOVE TO THE INSPECTING OFFICER PRIOR TO REQUESTING AN INSPECTION FOR
- 3. PROVIDE ACCESS TO PASSIVE FIRE PROTECTION DEVICES FOR INSPECTION IN ACCORDANCE
- 4. CONTRACTOR TO ENSURE THAT A QUALIFIED PASSIVE FIRE PROTECTION COMPANY IS ENGAGED TO CERTIFY THE FINAL INSTALLATION OF ANY INSTALLED PASSIVE FIRE PROTECTION MEASURES THAT ARE PART OF THIS SCOPE OF WORKS.

THERMAL INSULATION OF PIPEWORK

- 1. THERMAL INSULATION SHALL COMPLY IN ALL RESPECTS WITH AS/NZS3500.4.
- 2. FOR INSULATED PIPING, COMPLETELY COVER THE PIPE WITH INSULATION FITTED TIGHTLY TO THE PIPE SURFACE AND SECURED AS PER MANUFACTURES REQUIREMENTS. INSTALL INSULATION SO THAT IT IS READILY REMOVABLE AT UNIONS AND COUPLERS.
- 3. PROVIDE METAL SHEATHING TO INSULATION WHERE PIPEWORK IS IN PLANT ROOMS AND, EXTERNAL LOCATIONS. METAL SHEATHING INSTALLED TO MANUFACTURES REQUIREMENTS.
- 4. PROVIDE THERMAL INSULATION TO ALL DOMESTIC WATER PIPEWORK, INCLUDING COLD WATER. ENSURE COLD WATER PIPEWORK IS CONTINUOUSLY VAPOUR PROOFED INSULATED.

ACOUSTIC TREATMENT OF PIPEWORK

1. ACOUSTIC REDUCTION TREATMENT SHALL BE PROVIDED IN AREAS REQUIRED BY THE NCC. ALL HYDRAULIC PIPES SHALL BE ACOUSTICALLY TREATED WHERE REQUIRED.

O AND M MANUALS/COMMISSIONING

- 1. PRIOR TO PRACTICAL COMPLETION PROVIDE FULLY COMPREHENSIVE SET OF OPERATING AND MAINTENANCE MANUALS. THE CONTENT OF THE MANUALS SHALL MINIMALLY COMPRISE THE
- LOCAL AUTHORITIES CERTIFICATE OF FINAL INSPECTION & APPROVAL. OPERATING INSTRUCTIONS FOR SPECIFIC PLANT THAT REQUIRES DAY TO DAY OPERATIONS
- MAINTENANCE INSTRUCTION AS RECOMMENDED BY THE EQUIPMENT SUPPLIER FOR
- EQUIPMENT AND PLANT THAT IS LIABLE TO FAILURE WITHOUT SUCH MAINTENANCE. MANUFACTURES BROCHURES, PROVIDING VISUAL RECOGNITION OF EACH COMPONENT OF ASSEMBLY AS WELL AS NAME OF MANUFACTURER AND ADDRESS FOR PROCUREMENT. MANUALS ARE TO BE FULLY BOUND IN BOOK FORM COMPRISING OF A4 SHEETS OR A3 SHEETS SUITABLY FOLDED. LARGER SHEETS OR DRAWINGS ARE TO BE ENCLOSED IN CLEAR VINYL SLEEVES. SHEETS AND SLEEVES ARE TO BE PUNCHED AND CONTAINED IN QUALITY VINYL FOLDERS LABELLED ON THE OUTSIDE FRONT COVER AND ON THE SPINE TO INDICATE
- THE NAME OF THE PROJECT, CLIENT AND THE SERVICES DESCRIBED THEREIN. COPIES OF WARRANTY REGISTRATION CERTIFICATES FOR EACH ITEM OF EQUIPMENT. LOG SHEET FOR RECORDING; THE TESTING OF BACK FLOW PREVENTION DEVICES, TEMPERING VALVES AND THERMOSTATIC MIXING VALVES, THE LOG SHEET DETAIL AND THE TEST PROCEDURES AND MAINTENANCE OF ALL VALES, THE LOG SHEET DETAIL, AND THE TEST PROCEDURES AND MAINTENANCE OF ALL VALVES, ALONG WITH LIST OF FUTURE TEST
- ORIENTATE AND ADJUST HYDRAULIC SERVICES TO SUIT FINAL LAYOUTS OF THE AMENITIES, TENANCY PLANS AND PLANTS.
- 2. ALL EQUIPMENT AND APPLIANCES SHALL BE INSTALLED TO THE MANUFACTURERS REQUIREMENTS

OCCUPATIONAL HEALTH AND SAFETY:

- 1. FOR RESIDUAL RISKS IDENTIFIED FROM THE DESIGN PROCESS, REFER TO THE PROJECT RISK
- 2. CHANGES TO HYDRAULIC SERVICES DESIGN SHALL BE REVIEWED AGAINST THE PROJECT RISK REGISTER AND MAY REQUIRE FURTHER RISK ASSESSMENT.

PLUMBING AND DRAINAGE:

1. SUPPLY, INSTALL, TEST AND COMMISSION ALL SEWER DRAINAGE FROM SOIL AND WASTES AND FIXTURES TO THE SEWER CONNECTION. PROVIDE ALL NECESSARY PIPES, JUNCTIONS, BENDS, PITS, FLOOR WASTES, EXCAVATION, SUPPORTS, BACKFILLING, TESTING, AND SUNDRY EQUIPMENT REQUIRED FOR THE INSTALLATION. PIPELINE POSITIONS SHALL BE DETERMINED ON SITE IN CONJUNCTION WITH ALL OTHER DISCIPLINES TO ENSURE ADEQUATE COORDINATION OF ALL SERVICES AND ELEMENTS. COORDINATION SHALL BE CARRIED OUT PRIOR TO ANY SETTING OUT, EXCAVATION AND PIPE INSTALLATION TAKING PLACE.

- 2. PROVIDE IDENTIFICATION TO ALL SERVICE PIPES AND CONDUITS EXPOSED TO VIEW OR IN ACCESSIBLE LOCATIONS SUCH AS DUCTS AND CEILING SPACES AND ALL EQUIPMENT.
- 3. ALL PIPES SHALL BE ADEQUATELY SUPPORTED AND SECURELY FIXED IN ACCORDANCE WITH THE DRAWINGS AND TO THE SATISFACTION OF THE SI. SUCH SUPPORTING AND FIXING TO BE CARRIED OUT WITHOUT CAUSING ANY DISTORTION, DAMAGE OR STRESS ON THE PIPES OR PIPE JOINTS. PIPES SHALL BE SUPPORTED SPECIFIED IN "PRELIMINARIES" SECTION.
- SINKS 50mm TWO-PART UNIVERSAL PATTERN.
- BASIN 40mm CP COPPER TWO-PART S OR P TRAP WITH 40mmCP EXTENSION RISER.
- 5. TERMINATE ALL VENTS THROUGH ROOF WITH A VENT COWL. FINISH VENTS 300mm ABOVE NON-TRAFFICABLE ROOFS AND 3m ABOVE TRAFFICABLE ROOFS, 6 METRES CLEAR OF OPENINGS AND FRESH AIR INTAKES AS REQUIRED BY THE LOCAL AUTHORITY AND AS INDICATED ON THE
- 6. INSTALL INSPECTION OPENINGS IN ACCESSIBLE LOCATIONS SO THAT EACH SECTION OF PIPEWORK CAN BE CLEANED. INSPECTION OPENING SIZES SHALL BE IN ACCORDANCE WITH AUTHORITIES' REQUIREMENTS. INSTALL INSPECTION OPENINGS AS PER AS3500.2.
- 7. SUPPLY AND INSTALL UPVC TUNDISHES IN AREAS REQUIRED FOR MECHANICAL DRAINAGE. TUNDISHES TO BE CHROME PLATED WHERE EXPOSED AND TO COMPLY TO "MATERIALS" SECTION.
- 8. SUPPORTING AND FIXING TO BE CARRIED OUT WITHOUT CAUSING ANY DISTORTION, DAMAGE OR STRESS ON THE PIPES OR PIPE JOINTS.

COLD WATER SERVICE:

- 1. SUPPLY, INSTALL, TEST AND COMMISSION ALL DOMESTIC COLD WATER PIPES FROM THE AUTHORITY'S MAIN TO ALL FIXTURES, FITTINGS AND FAUCETS REQUIRING DOMESTIC COLD WATER. INCLUDE FOR ALL PIPEWORK, BENDS, OFFSETS, BRACKETS, PUMPS, TAPS AND FAUCETS AND SUNDRY EQUIPMENT REQUIRED FOR THE INSTALLATION. REFER TO 'MATERIALS' SECTION FOR PIPING SCHEDULE.
- 2. APPLY TO WATER AUTHORITY FOR THE SUPPLY OF ALL METERS, TAKE DELIVERY FROM AUTHORITY'S STORE AND INSTALL ON SITE, COMPLETE WITH ALL VALVES AND FITTINGS
- 3. EXCAVATE, LOCATE, AND CONNECT TO THE EXISTING AUTHORITIES WATER MAINS FOR THE SERVICES AS REQUIRED AND EXTEND TO THE RETICULATION. CONTRACTOR TO APPLY, MAKE ALL RELEVANT APPLICATIONS AND PAY ALL ASSOCIATED FEES.
- ANY EQUIPMENT CONNECT TO THE SERVICE NOT RATED TO THE TEST PRESSURE BEFORE TESTING COMMENCES. 5. HYDRAULICS SHALL FLUSH OUT, REMOVE ALL FOREIGN MATTER, AND CLEAN ALL THE SYSTEMS.
- WATER SYSTEMS SHALL BE FLUSHED OUT WITH CLEAN WATER.
- 6. PROVIDE AND INSTALL HOSE TAPS WITH ANTI-VANDAL HEADS. (WHERE REQUIRED)
- 7. ALL PIPES SHALL BE ADEQUATELY SUPPORTED AND SECURELY FIXED IN ACCORDANCE WITH

HEATED WATER SERVICE:

- 1. SUPPLY, INSTALL, TEST AND COMMISSION THE DOMESTIC HOT WATER SERVICE AND WARM WATER SERVICE FROM THE HOT WATER HEATERS TO THE FIXTURES AND APPLIANCES. INCLUDE FOR ALL PIPING, FITTINGS, SUPPORTS, INSULATION, HOT WATER HEATERS, VALVES, CIRCULATING PUMPS AND OTHER SUNDRY ITEMS OF EQUIPMENT REQUIRED FOR THE INSTALLATION.
- 2. PROVIDE A WATER PRESSURE TEST OF 1500 KPA FOR A PERIOD OF TWO HOURS. DISCONNECT ANY EQUIPMENT CONNECTED TO THE SERVICE NOT RATED TO THE TEST PRESSURE BEFORE TESTING COMMENCES.
- 3. MAKE ADEQUATE PROVISION FOR EXPANSION AND CONTRACTION BY THE PROVISION OF CLIPS/BRACKETS WITH WOODEN EXPANSION BLOCKS SO THAT UNDER ALL WORKING CONDITIONS NO STRAIN IS IMPOSED ON PIPEWORK OR FITTINGS.
- 4. PROVIDE AIR RELIEF VALVES WITH TO PIPELINES AT THE TOP OF CIRCULATION LOOPS (FLOW AND RETURN) THAT DO NOT HAVE AN OUTLET AT THE HIGHEST POINT IN THE LOOP. EXTEND A 15MM DRAIN PIPELINE FROM THE VALVE TO A DRAINAGE POINT OR TUNDISH.
- 5. SUPPLY AND INSTALL AN ADJUSTABLE TEMPERING VALVE SET AT 50*C TO ALL BASINS AND SHOWERS OR AREAS OF ABOLITION.
- 6. SUPPLY AND INSTALL THERMOSTATIC MIXING VALVES TO ALL ACCESSIBLE TOILETS AND ALL SANITARY FIXTURES, AS INDICATED ON THE DRAWINGS SET AT 45OC.
- 7. SUPPLY, INSTALL AND FIX HOT WATER HEATERS IN THE LOCATIONS INDICATED ON THE DRAWINGS. INSTALLATION OF HOT WATER HEATERS AS PER AS3500.4. TEMPERATURE PRESSURE RELIEF VALVE TO BE DIRECTED TO TUNDISH.
- 8. SUPPLY AND INSTALL BOILING WATER UNITS AS PER ARCHITECTURAL DOCUMENTATION.

- 1. SUPPLY, INSTALL, TEST AND COMMISSION THE HOSE REEL SERVICE FROM THE POINT OF CONNECTION TO ALL FIRE HOSE REELS ALL IN ACCORDANCE WITH THE NCC AND AS 2441.
- 2. SUPPLYING ALL FITTINGS, VALVES, BRACKETS, PUMPS AND SUNDRY ITEMS TO COMPLETE THE INSTALLATION INCLUDING THE HOSE REELS TO THE APPROVAL OF THE NSW FIRE BRIGADE, THE LOCAL COUNCIL AND THE SI. FIRE HOSE REELS TO BE INSTALLED WITHIN 4M OF EGRESS.
- 3. ON COMPLETION OF THE FIRE HOSE REEL INSTALLATION, PROVIDE 'TAGS' FOR ALL FIRE HOSE REELS AND ENGAGE A FIRE PROTECTION CONTRACTOR TO INSPECT THE HOSE REELS FOR COMPLIANCE. FLUSH SYSTEM TO REMOVE DEBRIS.

FIRE HYDRANT SERVICE:

- 1. SUPPLY, INSTALL, TEST AND COMMISSION THE FIRE HYDRANT SERVICE FROM THE INCOMING WATER MAIN TO ALL FIRE HYDRANTS REQUIRED. INCLUDE FOR ALL PIPING, FITTINGS, VALVES, HYDRANT VALVES, PUMPS, CONTROL EQUIPMENT ELECTRICAL WIRING AND OTHER SUNDRY ITEMS OF EQUIPMENT AS REQUIRED FOR THE INSTALLATION IN ACCORDANCE WITH THE NCC AND AS 2419. PROVIDE A FLOW TEST TO COMPLY TO AS2419.1
- 2. PROVIDE DOUBLE CHECK DETECTOR VALVE ASSEMBLIES WITH DOUBLE CHECK DETECTOR VALVES AND BY-PASS METERS. DOUBLE CHECK DETECTOR ASSEMBLIES TO BE ZURN - 350DA OR APPROVED EQUAL AND INSTALLED UPSTREAM OF FIRE HYDRANT VALVE ASSEMBLIES.
- 3. SUPPLY AND INSTALL AN APPROVED FIRE HYDRANT BOOSTER VALVE IN ACCORDANCE WITH AS2419.1 & FPAA101H SPRINKLER SYSTEM.
- 4. SUPPLY AND INSTALL INTERNAL LANDING VALVE HYDRANTS IN APPROVED LOCATIONS WITH THE CENTRE OF THE VALVE 750MM ABOVE FLOOR AND HAVING AT LEAST 300MM CLEARANCE AND ANGLED 350 DOWN FROM THE HORIZONTAL PLANE. INSTALL HYDRANTS CLEAR OF FIRE EGRESS
- 5. INSTALL FIRE HYDRANTS WHERE NOMINATED ON DRAWINGS.
- 6. TEST ALL PIPEWORK 1700 KPA FOR A PERIOD OF TWO HOURS.
- 7. ALL PIPES SHALL BE ADEQUATELY SUPPORTED AND SECURELY FIXED IN ACCORDANCE WITH THE DRAWINGS AND TO THE SATISFACTION OF THE SI. SUCH SUPPORTING AND FIXING TO BE CARRIED OUT WITHOUT CAUSING ANY DISTORTION, DAMAGE OR STRESS ON THE PIPES OR PIPE JOINTS. THE SUBCONTRACTOR SHALL PAY PARTICULAR ATTENTION TO ANY INTERNAL FIRE HYDRANT SUPPLY PIPING THAT IS TO BE INSTALLED WITHIN A NON-FIRE SPRINKLER PROTECTED SPACE / BUILDING. FIXINGS AND SUPPORTS ARE REQUIRED TO BE 60/-/- RATED IN ACCORDANCE WITH AS2419. EVIDENCE THAT THIS FIXING AND SUPPORT COMPLIANCE IS REQUIRED TO BE PROVIDED PRIOR TO INSTALLATION.
- 8. PROVIDE A BLOCK PLAN IN ACCORDANCE WITH AS 2419.1. IT SHALL BE FIXED WITHIN OR ADJACENT TO THE BOOSTER CABINET, ENCLOSURE, OR RECESS WHERE IT CAN BE READILY SEEN BY FIRE FIGHTERS AND OTHERS RESPONDING TO AN ALARM OR AT OTHER POSITIONS AS



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P1 30.05.2025 100% FINAL COORDINATION

100%

HYDRAULIC SERVICES

Project North



VINCENT JARVIS Architect: Project Number: 24071 Drawing Number: Hoo1 Revision: Drawn by: Designed by: Approved by:

Scale:

NEW WAREHOUSE, 36 PLATINUM COURT, THRUGOONA, NSW,2640

NTS

HYDRAULIC SPECIFICATIONS



Sydney: (02) 9052 6460 Newcastle: (02) 9052 6461

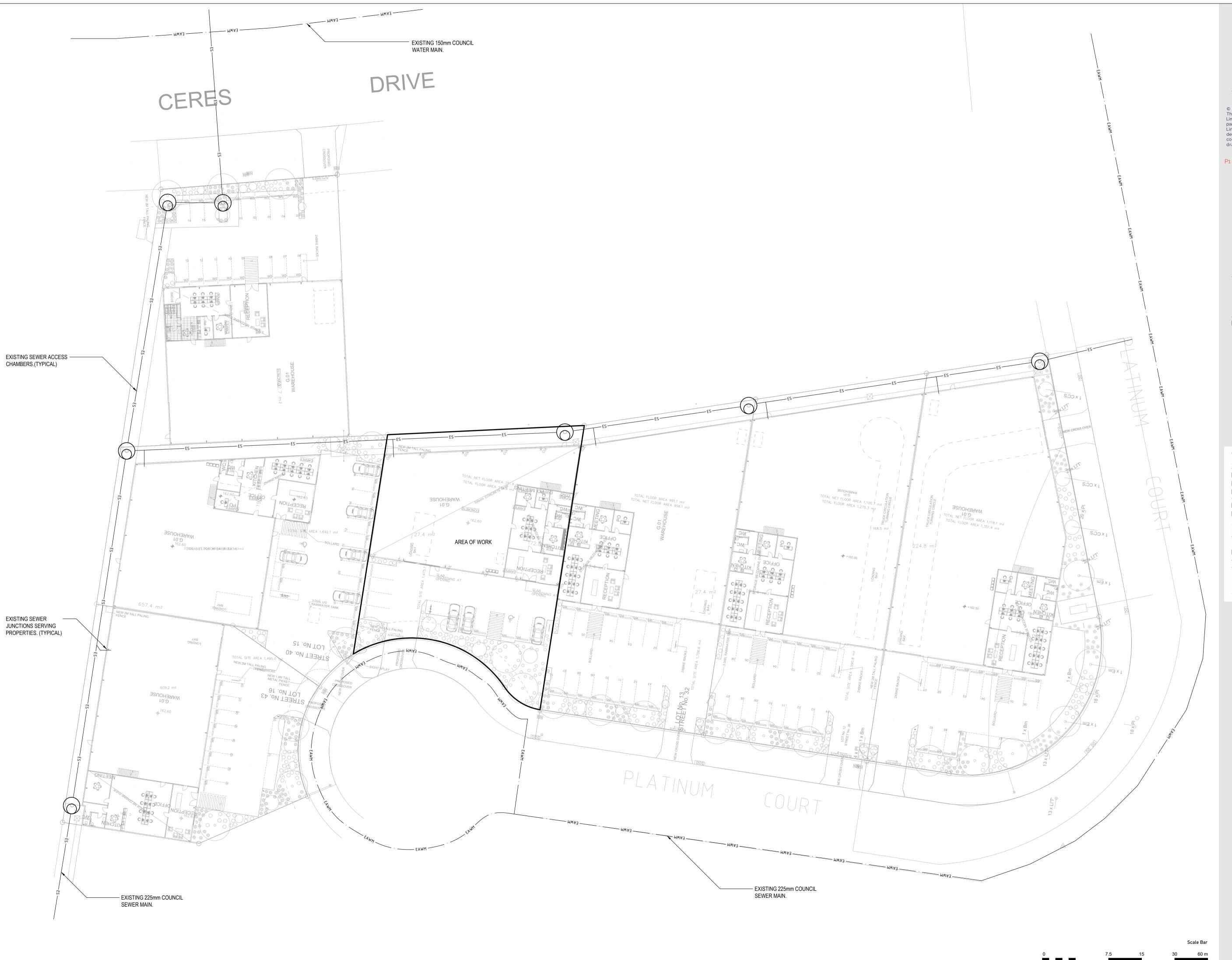


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100% **ISSUE**

HYDRAULIC SERVICES

Project North

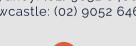


Client: VINCENT JARVIS Architect: Project Number: 24071 Drawing Number: Hoo2 Revision: Drawn by: Designed by: Approved by: 1:300 @ A1 Scale:

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SITE SERVICES





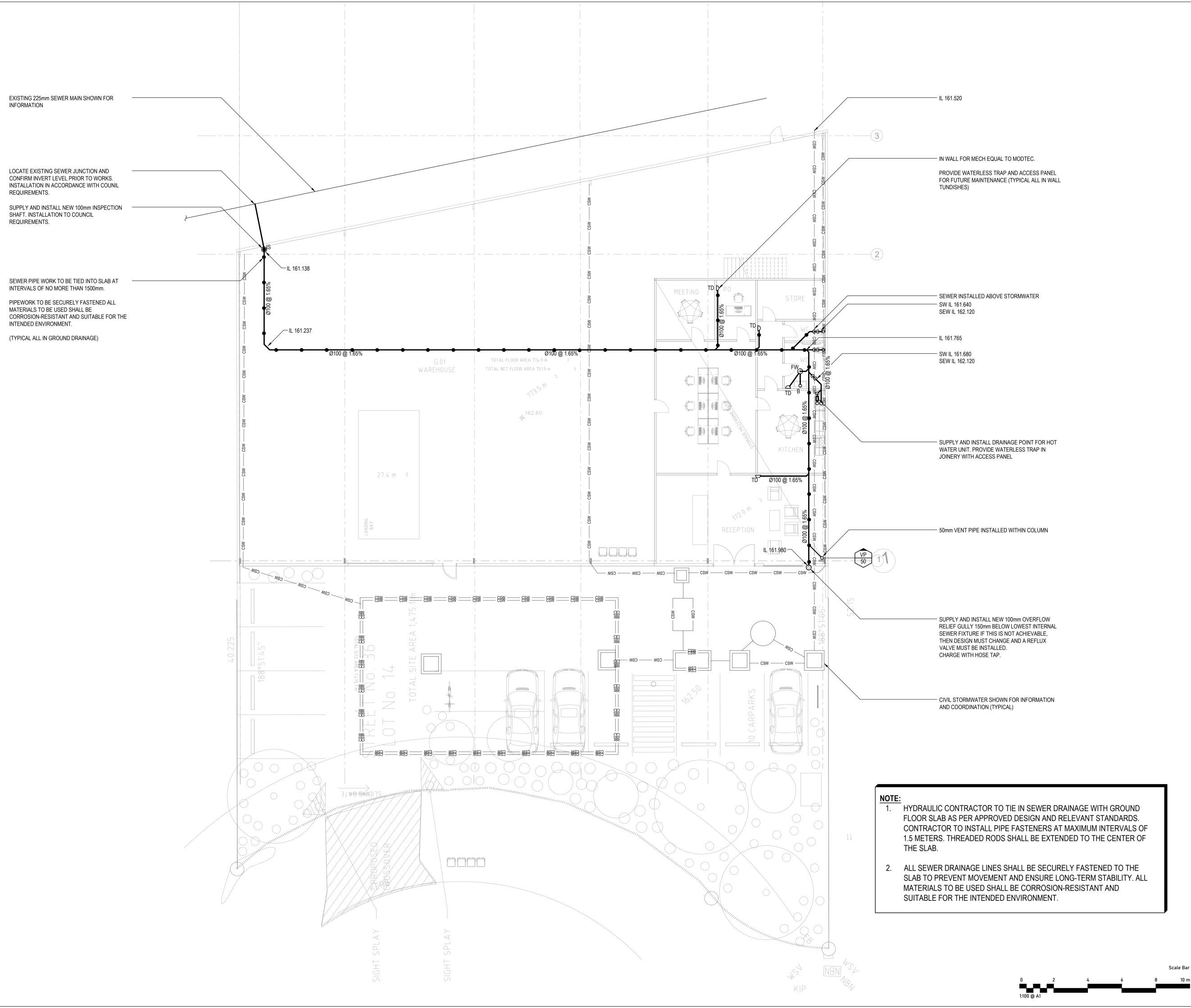
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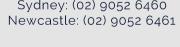
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1:100 @ A1

GROUND FLOOR PLAN SANITARY DRAINAGE LAYOUT

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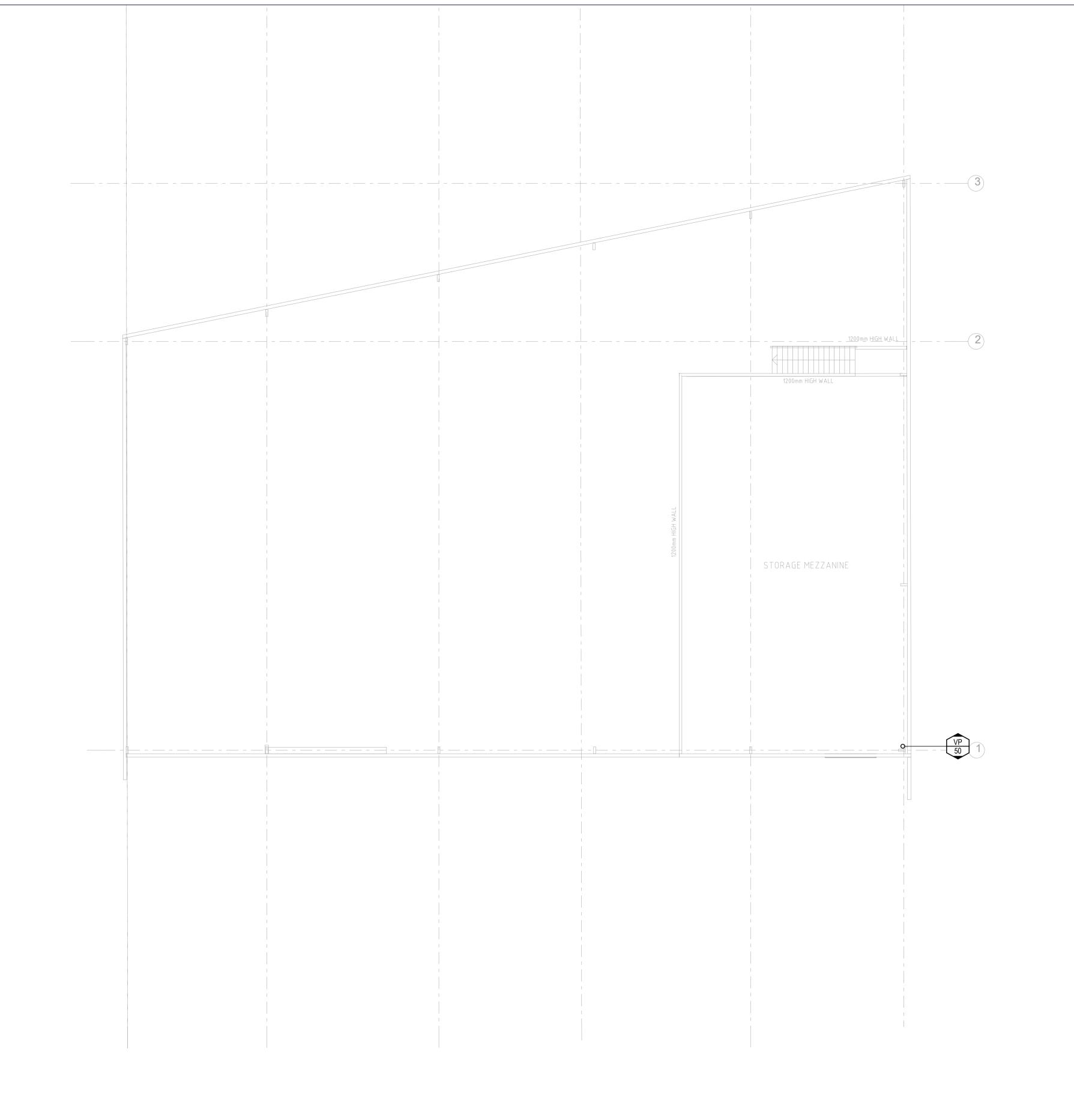
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HYDRAULIC SERVICES

Project North



Client: VINCENT JARVIS Architect: Project Number: 24071 Drawing Number: H101 Revision: Drawn by: IB
Designed by: IB Approved by: Scale: 1:100 @ A1

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LEVEL M FLOOR PLAN SANITARY DRAINAGE LAYOUT



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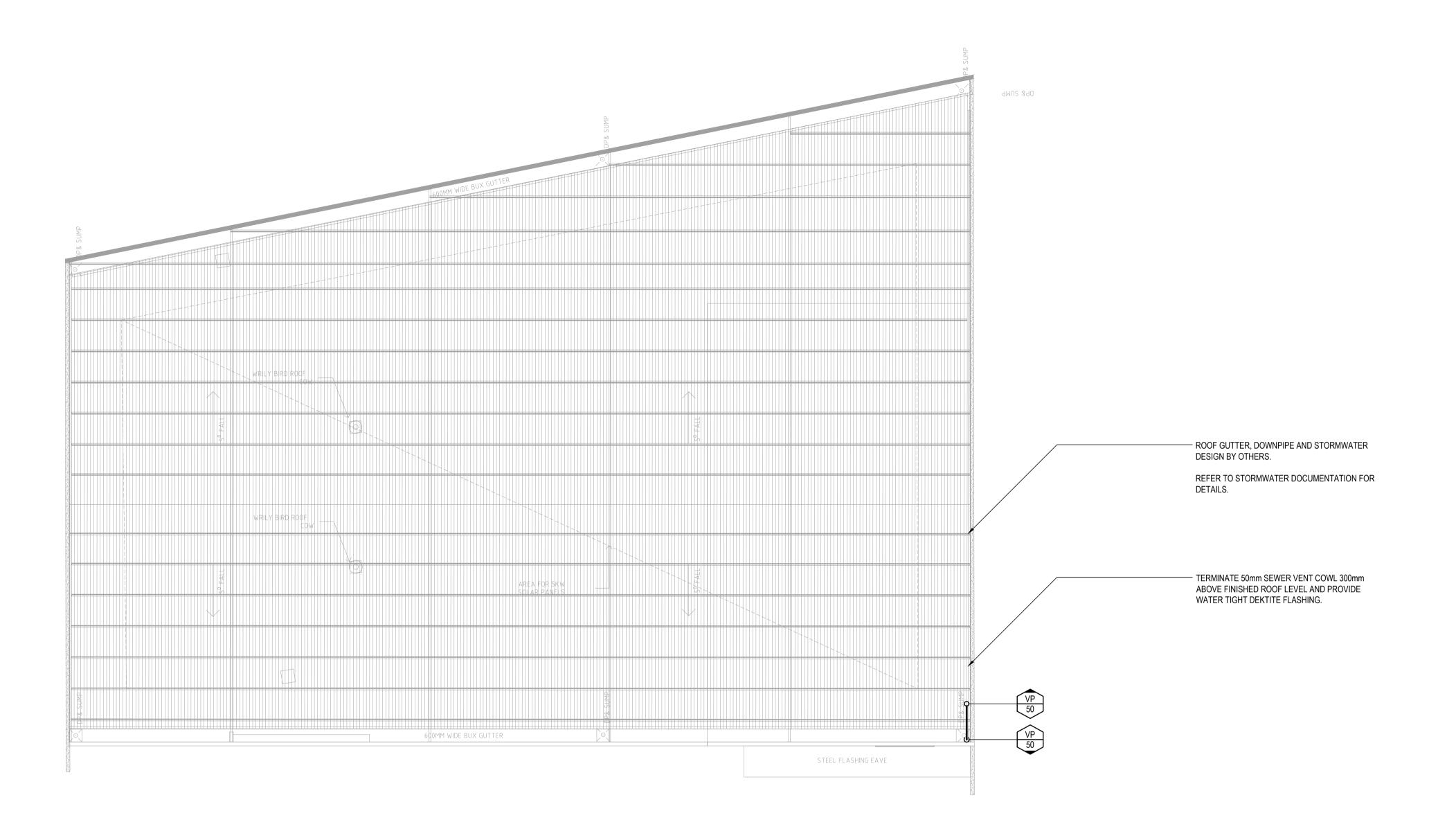


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HYDRAULIC SERVICES

Project North



Client:
Architect: VINCENT JARVIS

Project Number: 24071
Drawing Number: H102
Revision: P1

Drawn by: IB
Designed by: IB

Approved by:

Scale:

JA

1:100 @ A1

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ROOF PLAN SANITARY DRAINAGE LAYOUT



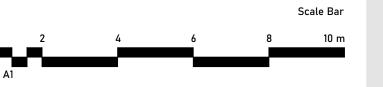
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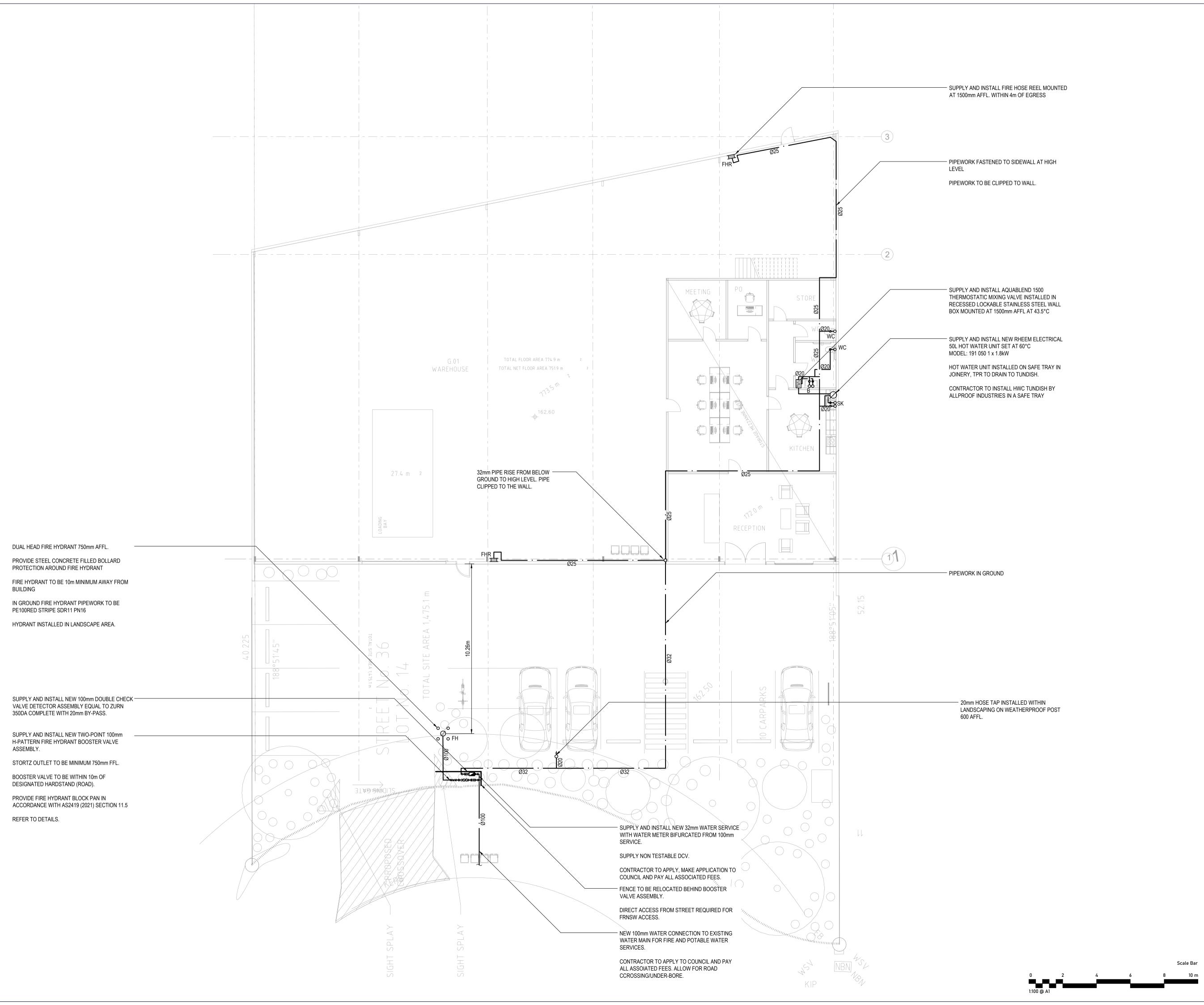


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HYDRAULIC SERVICES

Project North



Client: **VINCENT JARVIS** Architect: Project Number: 24071 Drawing Number: H200 Revision: Drawn by: Designed by: IB Approved by:

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GROUND FLOOR PLAN WATER AND GAS

Scale:



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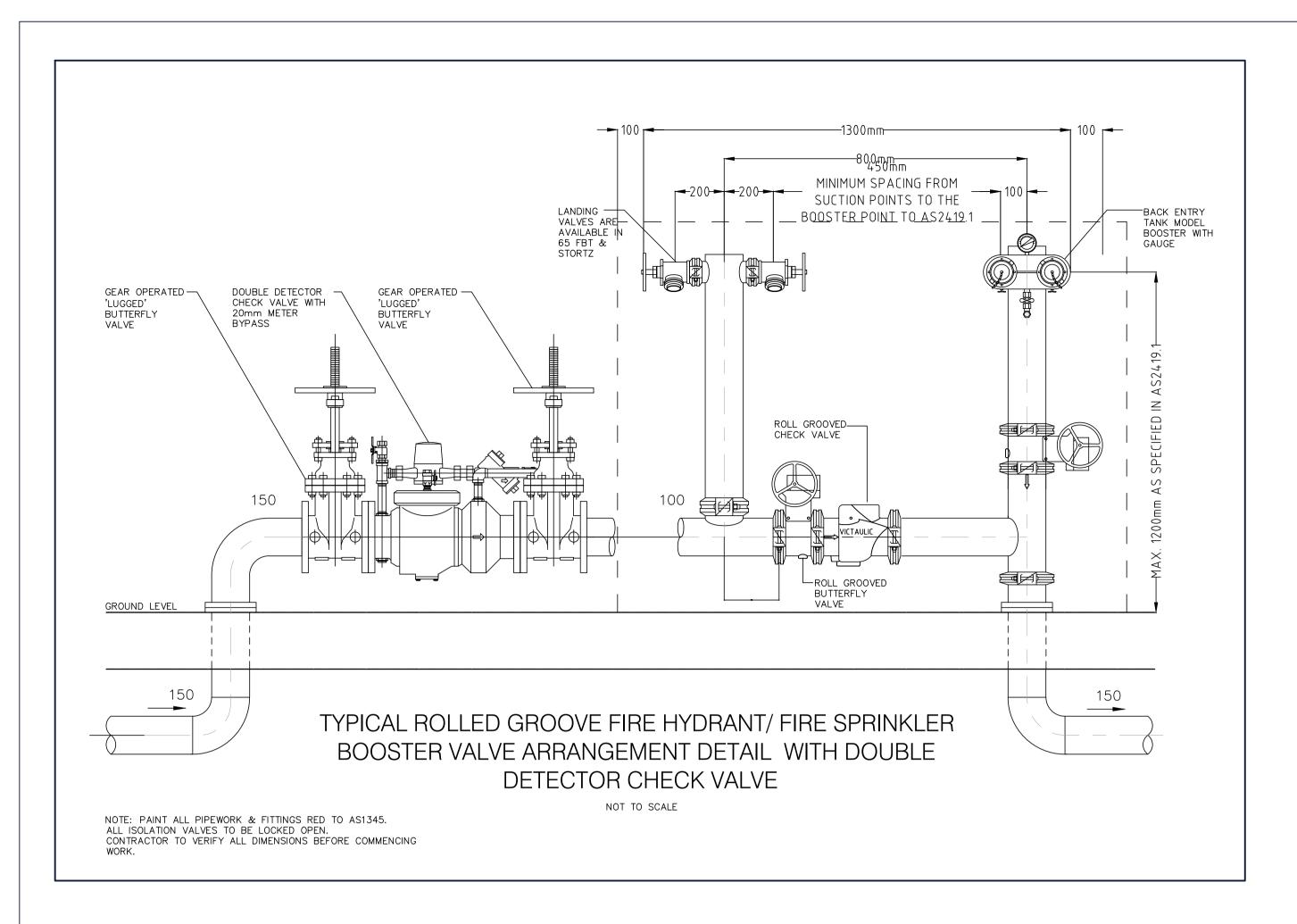


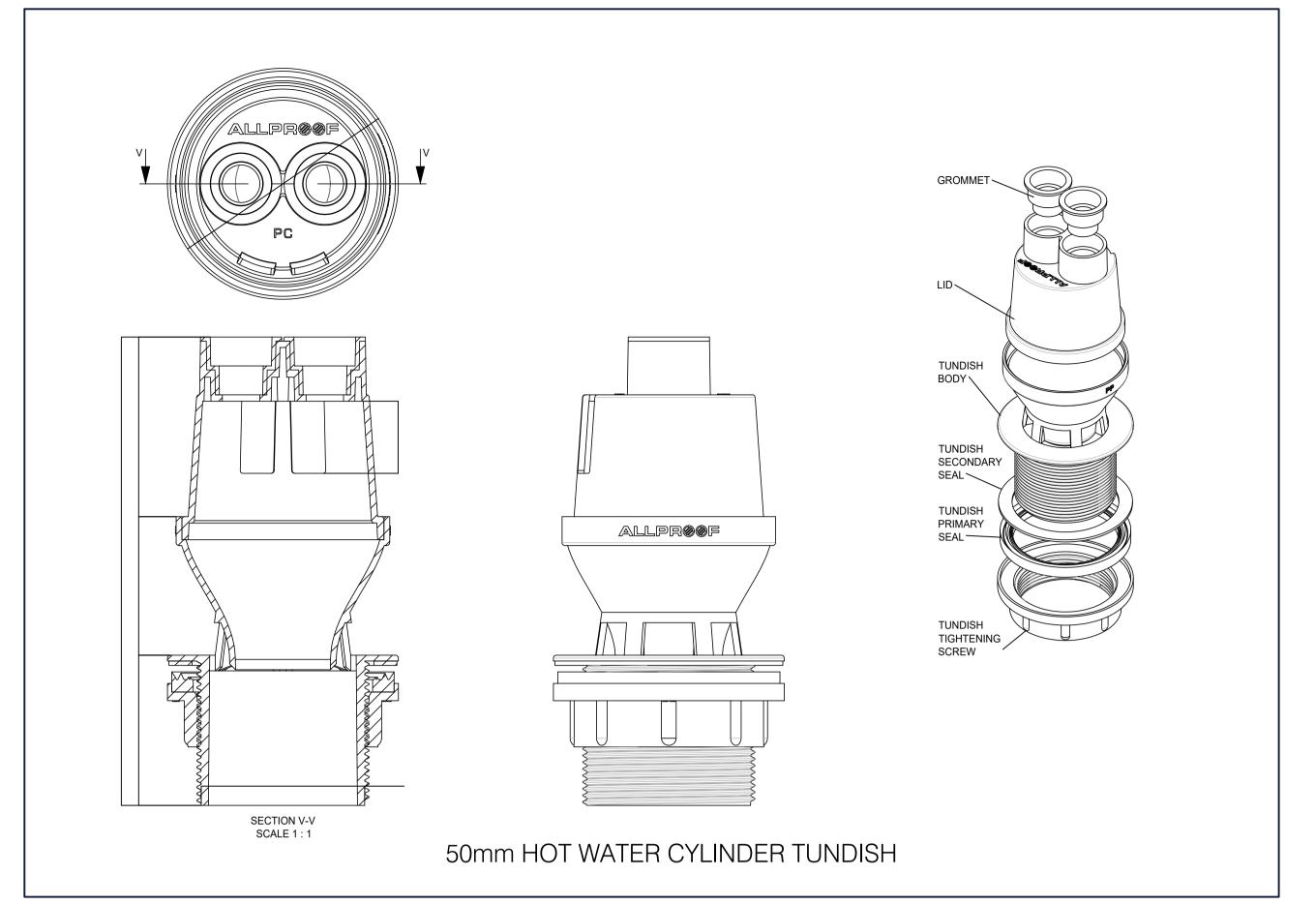
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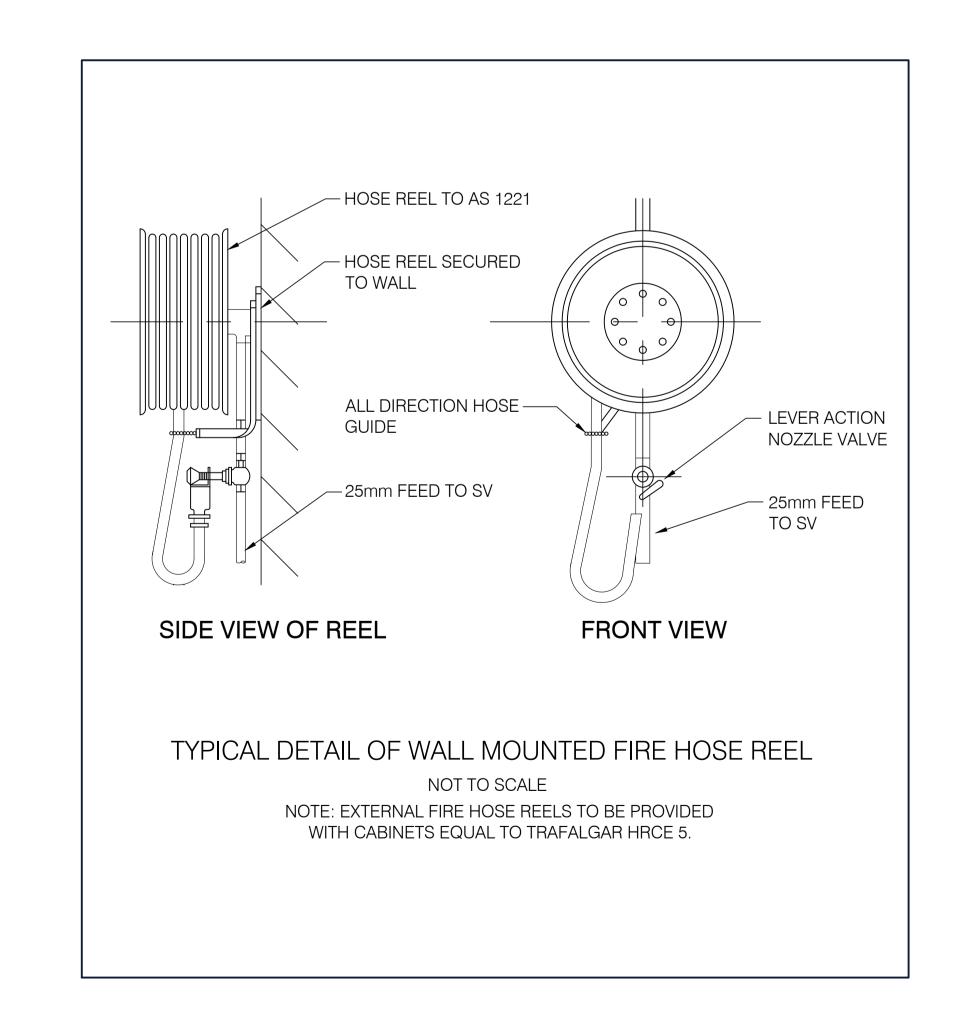














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P1 30.05.2025 100% FINAL COORDINATION

100% **ISSUE**

HYDRAULIC SERVICES

Project North

Client: **VINCENT JARVIS** Architect: Project Number: 24071 Drawing Number: H300 Revision: Drawn by: Designed by: Approved by: JA NTS Scale: NEW WAREHOUSE, 36 PLATINUM

COURT, THRUGOONA, NSW,2640

DETAILS



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Job Title: NEW WAREHOUSE

Address: 36 PLATINUM COURT THRUGOONA NSW 2640

Job No: 24071 Discipline: Hydraulic

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