ABERDEEN VALLEY FAIR ABERDEEN NSW 2336 HYDRAULIC SERVICES - D.A. DESIGN



LEGEND								
ABBREVIATIONS	PIPELINES	SYMBOLS	SYI	MBOLS				
CO CLEAROUT		C PIPEWORK DROPPER)Ø IS	INSPECTION SHAFT				
DPH DOUBLE PILLAR HYDRANT	C C COLD WATER - NEW	EXISTING LINE CAP	EX/AC	EXISTING ACCESS CHAMBER				
EX/AC EXISTING ACCESS CHAMBER	ES S SANITARY DRAINAGE - EXISTING S S SANITARY DRAINAGE - NEW	RISER	B	THRUST BLOCK				
FW FLOOR WASTE IS INSPECTION SHAFT	F F F F FIRE HYDRANT SUPPLY - NEW	PIPE SIZE DROPPER	Ø DPH	DOUBLE PILLAR HYDRANT				
		SLUICE VALVE	H	STREET HYDRANT				
		SUB WATER METER	COCO	GREASE ARRESTOR				
	ELECTRICAL WINING	MAIN METER ASSEMBLY		SANITARY RISER				
			O CO	CLEAROUT				

NOTES: SANITARY DRAINAGE

1) DRAINS BELOW GROUND UNDER BUILDINGS MAY BE LAID WITH LESS THAN THE MINIMUM COVER OF 450mm PROVIDED THAT 25mm OF OVERLAY SEPARATES THE DRAIN FROM THE REINFORCED CONCRETE SLAB.

2) DRAINS PASSING THROUGH WALLS AND FOOTINGS SHALL BE INSTALLED WITH AN ANNULAR SPACE OF NOT LESS THAN 25mm. 3) COORDINATE THE INSTALLATION OF SANITARY SERVICES WITH OTHER SERVICES.

4) LOCATE, EXCAVATE AND VERIFY THE SUITABILITY OF THE LEVEL OF THE EXISTING DRAINAGE PIPELINE FOR CONNECTION PRIOR TO THE COMMENCEMENT OF ANY DRAINAGE INSTALLATION WORKS. 5) CONTRACTORS ARE TO ALLOW FOR ALL BENDS. OFFSETS. RISERS AND DROPPERS TO ALL OF THE PIPEWORK NECESSARY TO ACHIEVE A FULLY FUNCTIONING, COORDINATED COMPLIANT

6) ALL INGROUND PIPEWORK IS TO BE ENCASED IN 7-10mm GRAVEL WITH DETECTABLE MARKER TAPE AND SAND LAID OVER. PLATED TRAP INSTALLED WHERE AIR ADMITTANCE VENTS ARE NECESSARY.

7) THE MAIN SEWER CONNECTION POINT AND SHAFT IS TO BE

8) ALL SANITARY DRAINAGE IS TO BE CONSTRUCTED IN THE MATERIAL NOMINATED ON THE DRAWINGS AND TO THE REQUIREMENTS OF THE RELEVANT CODES AND AUTHORITIES. MINIMUM GRADE SHALL BE OF 1 IN 60 (1.65%) OR AS OTHERWISE SPECIFIED.

9) WHERE DRAINAGE LEVELS PERMIT, ALL BRANCH LINES SHALL BE GRADED AND/OR LOWERED TO AVOID PENETRATING FOOTING BEAMS UNLESS SHOWN OTHERWISE. THE CONTRACTOR SHALL ALLOW FOR ADDITIONAL PIPE LENGTHS AND WORK DURING CONSTRUCTION INCLUDING ADDITIONAL INSPECTION OPENINGS IN THE SYSTEM AS REQUIRED.

10) PROVIDE INSPECTION OPENINGS IN THE SYSTEM AS REQUIRED BY A.S3500.2.2 SEC 4.7 OR AS REQUIRED BY THE RELEVANT AUTHORITY.

11) ALL VENTS ARE TO TERMINATE WITH A VENT COWL AND OVER FLASHING ABOVE THE ROOF LEVEL. ROOF TO BE LEFT

12) ALL PIPEWORK TO BE TESTED TO AS 3500 REQUIREMENTS. 13) ALL EXISTING SEWER CONNECTIONS TO BE DISUSED SHALL BE SEALED AT THE CLOSEST POINT TO THE MAIN LINE AND TO THE RELEVANT CODES AND AUTHORITIES REQUIREMENTS. 14) IN WATER CHARGED GROUND THE WATER LEVEL SHALL BE LOWERED BELOW THE PROPOSED TRENCH AND MAINTAINED AT THAT LEVEL DURING CONSTRUCTION AND BACKFILLING.

NOTES: COLD WATER 1) COORDINATE THE INSTALLATION OF COLD

WATER SUPPLY WITH OTHER SERVICES. 2) PIPEWORK PASSING THROUGH CONCRETE SLABS OR PATHS SHALL BE INSTALLED WITH AN ANNULAR SPACE OF 6mm FOR THE FULL DEPTH OF SLAB PENETRATION. 3) INGROUND PIPEWORK IS TO BE ENCASED IN CLEAN FILL SAND WITH DETECTABLE MARKER TAPE LAID OVER. 4) CONTRACTORS ARE TO ALLOW FOR ALL BENDS, OFFSETS, RISERS AND DROPPERS TO ALL OF THE

PIPEWORK NECESSARY TO ACHIEVE A FULLY FUNCTIONING. COORDINATED COMPLIANT INSTALLATION. 5) ALL PIPEWORK TO BE TYPE B COPPER TO AS1432.

6) PIPEWORK PASSING THROUGH FIRE RATED WALLS, FLOORS, CEILING VOIDS AND WHERE REQUIRED TO BE FIRE RATED TO AS4072 OR AS SPECIFIED. 7) CONCEAL ALL PIPEWORK IN WALLS. DUCTS AND CEILING VOIDS WHERE

PRACTICABLE.

REQUIREMENTS.

8) ALL PIPELINES TO

BE TESTED TO AS 3500

NOTES: TRADEWASTE DRAINAGE

1) DRAINS BELOW GROUND UNDER BUILDINGS MAY BE LAID WITH LESS THAN THE MINIMUM COVER OF 450mm PROVIDED THAT 25mm OF OVERLAY SEPARATES THE DRAIN FROM THE MARKER TAPE OVER. REINFORCED CONCRETE SLAB.

FOOTINGS SHALL BE INSTALLED WITH AN ANNULAR SPACE OF NOT LESS THAN 25mm. 3) COORDINATE THE INSTALLATION OF SANITARY SERVICES WITH OTHER SERVICES. 4) LOCATE, EXCAVATE AND VERIFY THE INSTALLATION. SUITABILITY OF THE LEVEL OF THE DRAINAGE CONNECTION PRIOR TO THE COMMENCEMENT SERVICES. OF ANY DRAINAGE INSTALLATION WORKS.

5) CONTRACTORS ARE TO ALLOW FOR ALL BENDS, OFFSETS, RISERS AND DROPPERS TO ALL OF THE PIPEWORK NECESSARY TO ACHIEVE A FULLY FUNCTIONING, COORDINATED COMPLIANT INSTALLATION. 6) ALL INGROUND PIPEWORK IS TO BE

ENCASED IN 7-10mm GRAVEL WITH MARKER

2) DRAINS PASSING THROUGH WALLS AND

TAPE AND SAND LAID OVER. 7) ALL SANITARY DRAINAGE IS TO BE CONSTRUCTED IN THE MATERIAL NOMINATED ON THE DRAWINGS AND TO THE REQUIREMENTS OF THE RELEVANT CODES AND AUTHORITIES HAVING MINIMUM GRADES OF 1 IN 60 OR AS OTHERWISE SPECIFIED.

8) WHERE DRAINAGE LEVELS PERMIT, ALL BRANCH LINES SHALL BE GRADED AND/OR LOWERED TO AVOID PENETRATING FOOTING BEAMS UNLESS SHOWN OTHERWISE. THE CONTRACTOR SHALL ALLOW FOR ADDITIONAL PIPE LENGTHS AND WORK DURING CONSTRUCTION FOR ADDITIONAL OPENINGS IN THE SYSTEM AS REQUIRED.

9) PROVIDE INSPECTION OPENINGS IN THE SYSTEM AS REQUIRED BY A.S3500.2.2 SEC 4.7 OR AS REQUIRED BY THE RELEVANT AUTHORITY.

10) ALL VENTS ARE TO TERMINATE WITH A VENT COWL AND OVER FLASHING ABOVE THE ROOF LEVEL. ROOF TO BE LEFT WATERTIGHT. 11) ALL PIPEWORK TO BE TESTED TO AS 3500 REQUIREMENTS.

NOTES: FIRE SERVICES

1) USE 450 BENDS IN LIEU OF 900 BENDS IN MAIN PIPELINES. 2) THRUST BLOCKS ARE TO BE INSTALLED BEHIND ALL BENDS AND TEES. 3) PIPEWORK INSTALLED INGROUND IS TO BE ENCASED IN CLEAN FILL SAND. LAY DETECTABLE

4) ALL FLANGES NUTS AND BOLTS INSTALLED INGROUND ARE TO BE WRAPPED WITH DENSO TAPE, PLASTIC WRAPPING AND SEALED WATERTIGHT. 5) ALL HYDRANTS ARE TO BE LOCATED A MINIMUM DISTANCE OF 10 METRES FROM THE BUILDING

IT IS COVERING UNLESS PROTECTED BY SUITABLE FIRE RATED STRUCTURE 6) CONTRACTORS ARE TO ALLOW FOR ALL BENDS, OFFSETS, RISERS AND DROPPERS TO ALL OF THE PIPEWORK NECESSARY TO ACHIEVE A FULLY FUNCTIONING, COORDINATED COMPLIANT

7) COORDINATE THE INSTALLATION OF FIRE HYDRANT AND FIRE HOSE REEL SERVICES WITH OTHER 8) ALL INTERNAL FIRE HOSE REELS ARE TO BE LOCATED A MAXIMUM DISTANCE OF 4 METRES

FROM FIRE EXITS. 9) INCLUDE ALL PIPING, FITTINGS, VALVES, PUMPS, CONTROL EQUIPMENT AND OTHER ANCILLARY ITEMS OF EQUIPMENT NECESSARY FOR A FULLY FUNCTIONING. COORDINATED COMPLIANT

INSTALLATION. 10) FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH AS2419 AND BE STAMPED 'APPROVED' BY THE RELEVANT AUTHORITY. HYDRANTS AND LANDING VALVES SHALL BE COMPATIBLE WITH THE NSW FIRE BRIGADE STORZ PATTERN.

11) FABRICATE THE BOOSTER VALVE ASSEMBLY IN ACCORDANCE WITH AS2419 REQUIREMENTS. 12) WHERE LOCATED IN AN ABOVE GROUND SITUATION, THE SERVICE SHALL BE CONSTRUCTED OF GALVANISED MILD STEEL PIPING. TYPE B COPPER OR BLUE BRUTE PN20 TO AS1432 SHALL BE USED INGROUND OR AS SPECIFIED.

13) FIRE HOSE REELS SHALL BE INSTALLED IN ACCORDANCE WITH AS2441 AND COMPLY WITH

14) DO NOT INSTALL ISOLATING VALVES ON THE FIRE HOSE REEL SERVICE BETWEEN THE METER AND FIRE HOSE REELS TO ENSURE UNINTERRUPTED FLOW. 15) THE MOST HYDRAULICALLY DISADVANTAGED DOUBLE PILLAR HYDRANT MUST INCORPORATE A SYSTEM PRESSURE GAUGE WITH A 65mm GLASS FACE INDICATING 0-2500KPA TO COMPLY WITH

SECTION 9.3 OF AS2419.1 AND AS1349. 16) PIPEWORK PASSING THROUGH CONCRETE SLABS OR PATHS SHALL BE INSTALLED WITH AN ANNULAR SPACE OF 6mm FOR THE FULL DEPTH OF SLAB PENETRATION. 17) PIPEWORK PASSING THROUGH FIRE RATED WALLS, FLOORS, CEILING VOIDS AND WHERE

REQUIRED IS TO BE FIRE RATED TO AS4072 OR AS SPECIFIED. 18) CONCEAL ALL PIPEWORK IN WALLS, DUCTS AND CEILING VOIDS WHERE PRACTICABLE UNLESS OTHERWISE DIRECTED BY SUPERINTENDENT.

19) ALL PIPELINES TO BE TESTED TO AUSTRALIAN STANDARDS REQUIREMENTS. 20) THE PLUMBING CONTRACTOR IS TO DESIGN, FABRICATE AND INSTALL A NEW ENGRAVED WEATHERPROOF BLOCK PLAN ADJACENT THE SITE'S HYDRANT BOOSTER ASSEMBLY COMPLETE WITH 'NOTICE' OF TEST/ WORKING PRESSURES. THE BLOCK PLAN SHALL BE MINIMUM A3 SIZE AND INCORPORATE ALL NEW AND EXISTING FIRE HYDRANTS, PIPELINES/MAINS ETC. ALL IN ACCORDANCE WITH AS2419.1.

THE DRAWING ISSUED IS DIAGRAMMATIC. DO NOT SCALE. USE FIGURED DIMENSIONS ONLY. REFER TO ARCHITECTURAL DRAWINGS WHERE APPROPRIATE FOR EXACT LOCATION OF FIXTURES, DUCTS AND THE LIKE. THE DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DOCUMENTS FORMING THE PROJECT DOCUMENTATION PACKAGE. 2. CONFIRM ALL LEVELS AND DIMENSIONS AS ACCURATE ON SITE PRIOR TO INSTALLATION. REPORT ALL DISCREPANCIES TO THE SUPERINTENDENT 3. THIS DRAWING HAS BEEN ISSUED IN CONFIDENCE AND REMAINS THE

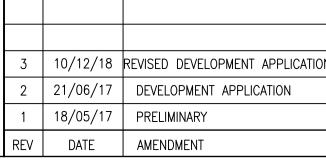
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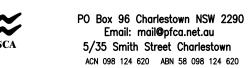
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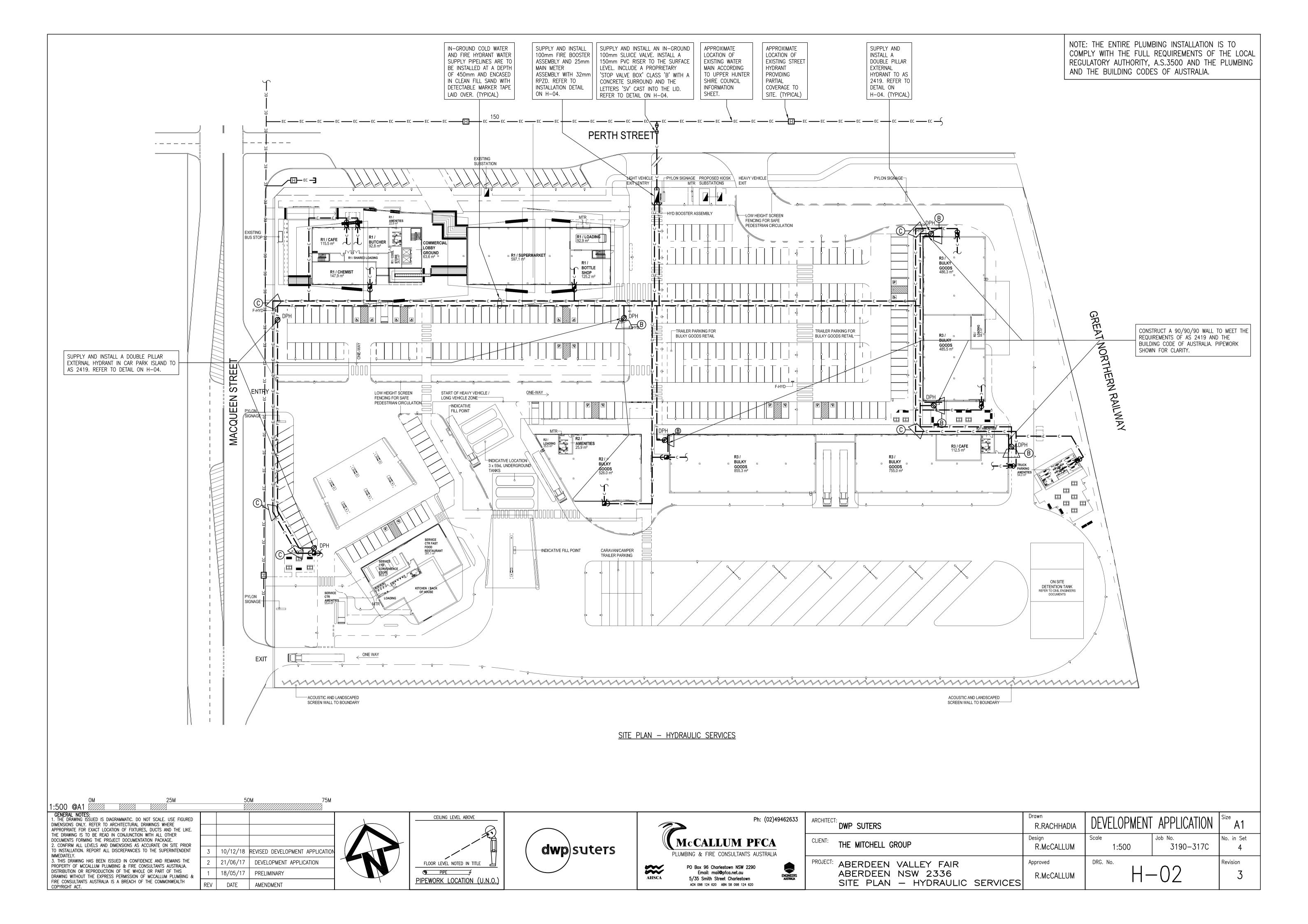
ARCHITECT: DWP SUTERS	R.RACHHADIA	DEVELOPMENT	APPLICATION	Size A1
CLIENT: THE MITCHELL GROUP	Design R.McCALLUM	Scale N.T.S	Job No. 3190-317C	No. in Set 4
PROJECT: ABERDEEN VALLEY FAIR ABERDEEN NSW 2336 TITLE, LEGEND AND NOTES SHEET	Approved R.McCALLUM	DRG. No.	-01	Revision 3

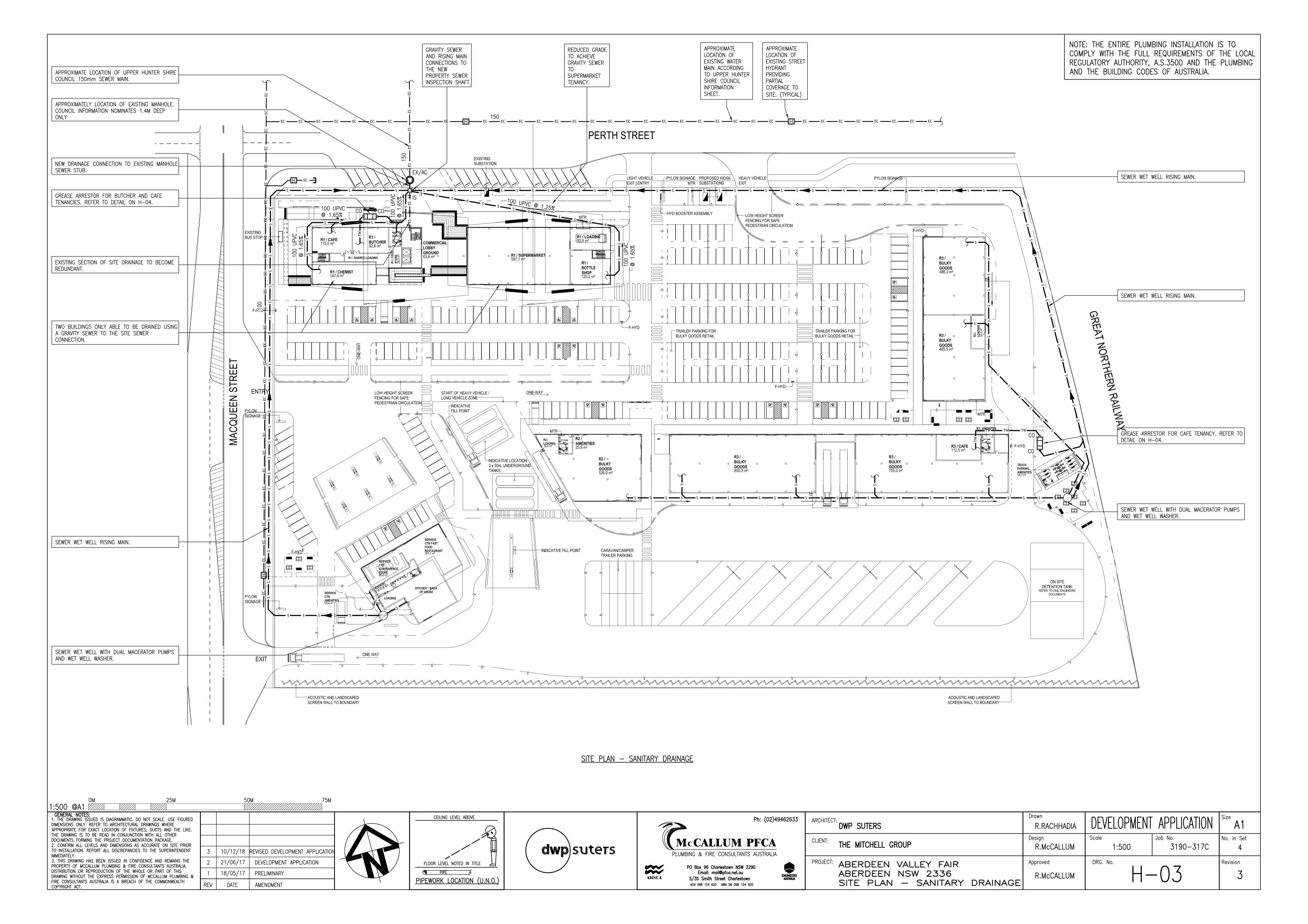
NOTE: THE ENTIRE PLUMBING INSTALLATION IS TO COMPLY WITH THE FULL REQUIREMENTS OF THE LOCAL AND THE BUILDING CODES OF AUSTRALIA

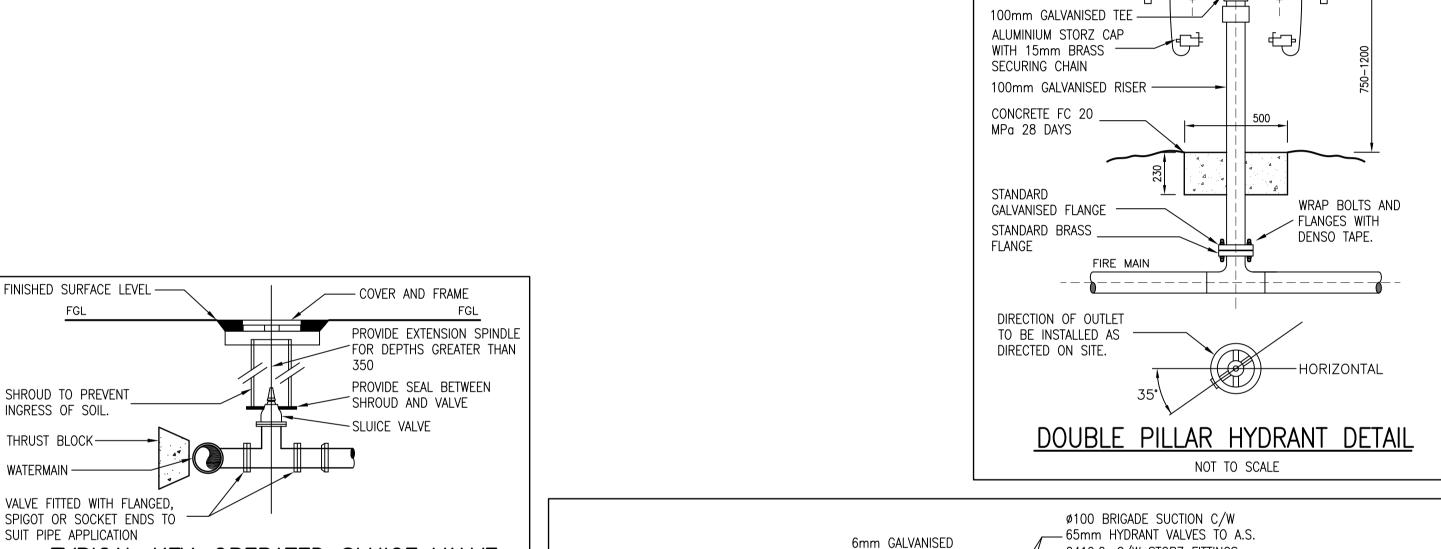
FAMILIARISE THEMSELVES WITH EXISTING SITE CONDITIONS AND MAKE THE NECESSARY ALLOWANCE FOR SUCH IN THE TENDER.

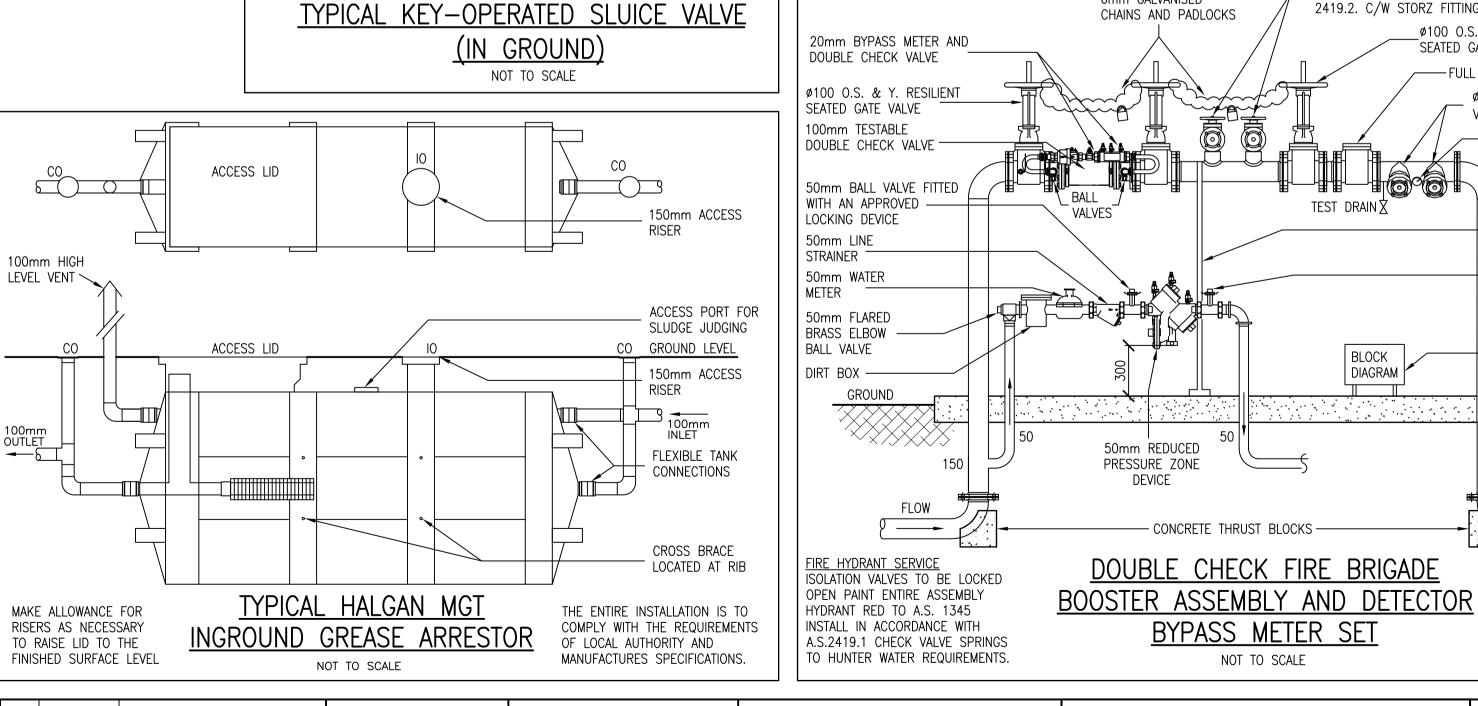
NOTE: THE TENDERER MUST READ THIS DRAWING IN THE ARCHITECT.

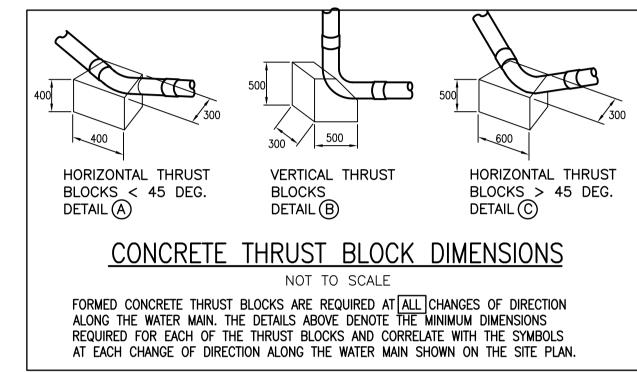
EQUIVALENT INTERNAL PIPELINE BORE IS INSTALLED IN ACCORDANCE WITH APPENDIX J OF AS 3500.1

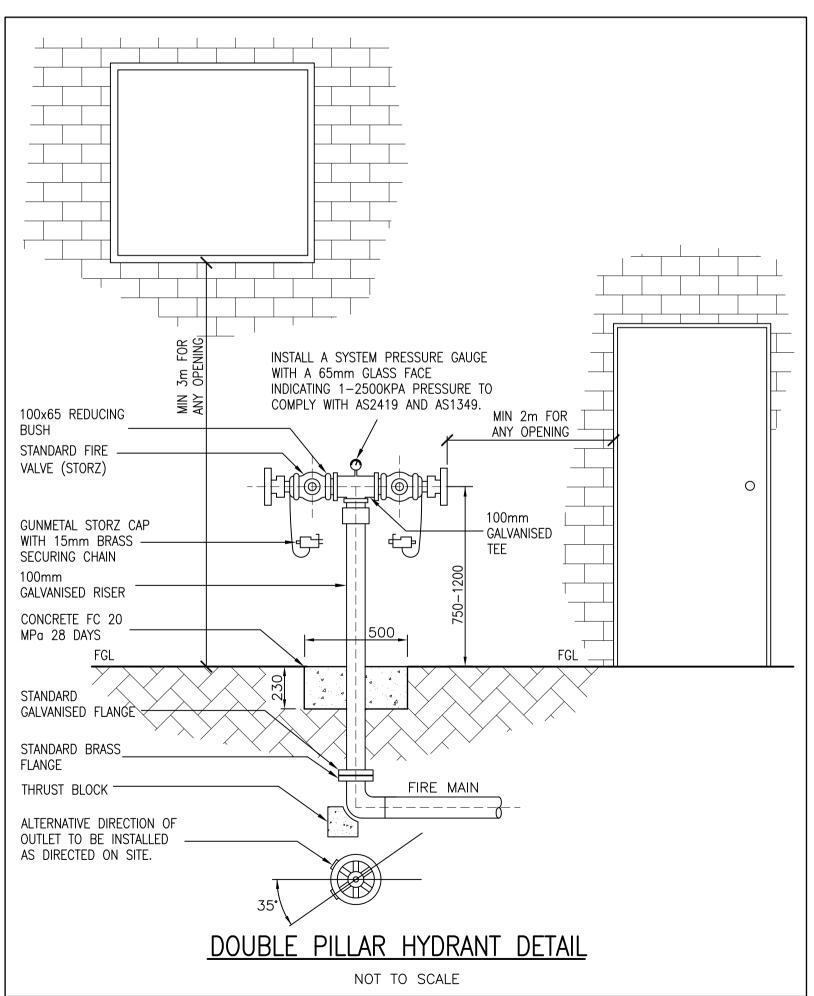


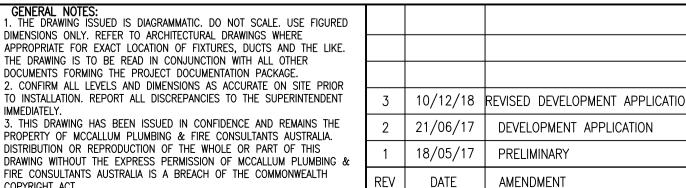












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NOT TO SCALE

100x65 REDUCING BUSH —

STANDARD FIRE VALVE (STORZ)

PO Box 96 Charlestown NSW 2290 Email: mail@pfca.net.au 5/35 Smith Street Charlestown ACN 098 124 620 ABN 58 098 124 620	

2419.2. C/W STORZ FITTINGS

TEST DRAIN 文

BLOCK

DIAGRAM

ø100 O.S. & Y. RESILIENT

- FULL FLOW SINGLE CHECK VALVE

Ø100 MAINS MODEL BOOSTER

PRESSURE GAUGE (0 TO 2000 KPA)

- SUPPORT BRACKET

WITH AN APPROVED

SYSTEM BLOCK PLAN

LOCKING DEVICE

— 100mm THICK

CONCRETE SLAB

DOMESTIC / FIRE HOSE REEL SERVICE

NOTE: SYSTEM VALVES TO BE LOCKED

WITH AN ENGRAVED NON-FERROUS

METAL TAG WITH 8mm UPPER CASE

ONLY TO SERVICE FIRE EQUIPMENT".

WORDING "FIRE SERVICE VALVE, CLOSE

OPEN WITH '003' LOCKS AND LABELLED

GROUND

50mm BALL VALVE FITTED

-(MINIMUM A3 SIZE) TO THE

REQUIREMENTS OF AS2419.1

VALVE C/W STORZ FITTINGS

SEATED GATE VALVE

33	ARCHITECT: DWP SUTERS	Drawn R.RACHHADIA	DEVELOPMENT	APPLICATION	Size A1
	CLIENT: THE MITCHELL GROUP	Design R.McCALLUM	Scale N.T.S	Job No. 3190-317C	No. in Set 4
ERS	PROJECT: ABERDEEN VALLEY FAIR ABERDEEN NSW 2336 DETAIL SHEET	Approved R.McCALLUM	DRG. No.	-04	Revision 3