

MARIBYRNONG RIVER CHILDREN'S CENTRE REDEVELOPMENT

6 WESTS RD, MARIBYRNONG

MARIBYRNONG CITY COUNCIL

HYDRAULIC SERVICES

DRAWING INDEX

- H1 - NOTES, SPECIFICATION & SITE PLAN
- H2 - SEWER & WATER LAYOUT PLAN

PROJECT SPECIFICATION

1. SITE VISIT

THE CONTRACTOR SHALL BE DEEMED TO HAVE THOROUGHLY INSPECTED THE SITE PRIOR TO TENDERING AND HAVE TAKEN INTO ACCOUNT ANY CONDITIONS LIKELY TO EFFECT THE EXTENT OR PERFORMANCE OF THE CONTRACT. ALL APPROPRIATE PERMITS SHALL BE OBTAINED AND FEES PAID FOR BY THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY ALL LEVELS DIMENSIONS AND SERVICES PRIOR TO COMMENCEMENT OF WORK.

2. CODES AND AUTHORITIES

THE WORKS SHALL COMPLY IN EVERY WAY WITH THE REQUIREMENTS OF THE WATER AUTHORITY HAVING JURISDICTION OVER THEM. WORK NOT COVERED BY THE REQUIREMENTS OF THE STATUTORY AUTHORITIES SHALL COMPLY WITH AS 3500 (NATIONAL PLUMBING AND DRAINAGE CODE). THIS CERTIFICATION IS IN EXCESS OF NORMAL PLUMBING INDUSTRY BOARD.

3. MANUFACTURER'S REQUIREMENTS

ALL EQUIPMENT AND SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFIC RECOMMENDATIONS OF THE MANUFACTURER, INCLUDING THE PROVISION OF ANCHORAGE OR SAFETY DEVICES DEEMED NECESSARY. FAILURE TO OBSERVE SUCH RECOMMENDATIONS MAY RESULT IN SYSTEMS BEING REJECTED BY THE SUPERINTENDENT.

4. WORKMANSHIP

ALL WORKMANSHIP SHALL BE OF A HIGH STANDARD THROUGHOUT AS ACCEPTED BY THE RESPECTIVE SPECIALIST TRADES. WHERE THE ENGINEER CONSIDERS WORKMANSHIP IS NOT CONSISTENT WITH GOOD TRADE PRACTICE OR STANDARDS OR THAT ANY PLANT IS INFERIOR IN QUALITY OR DEFICIENT IN QUALITY TO THAT SPECIFIED, NOTWITHSTANDING THAT A PROGRESS PAYMENT MAY HAVE BEEN MADE, IN RESPECT THEREOF, THE SUPERINTENDENT MAY GIVE NOTICE IN WRITING SETTING FORTH THE DEFECT OR DEFICIENCY AND SUCH CONDEMNATION OR REFUSAL SHALL BE CONCLUSIVE. REJECTED WORK OR MATERIALS SHALL BE REMOVED FROM SITE WITHIN 24 HOURS OF SUCH REJECTION. DEFECTIVE WORK SHALL BE RECONSTRUCTED TO CONFORM TO THE SPECIFIED REQUIREMENTS AT NO COST TO THE PROJECT.

5. CLEANING

THE SITE AND PRECINCTS SHALL BE KEPT CLEAN AND TIDY THROUGHOUT THE COURSE OF THE WORK AND ALL RUBBISH SHALL BE REMOVED REGULARLY. PRIOR TO PRACTICAL COMPLETION AND AT THE CONCLUSION OF THE WORK, ALL DEBRIS AND RUBBISH SHALL BE CLEARED AWAY AND REMOVED FROM SITE AND COMPLETED INSTALLATION SHALL BE LEFT THOROUGHLY CLEAN.

6. WARRANTY

THE COMPLETE WORKS SHALL BE WARRANTED AGAINST DEFECTIVE WORKMANSHIP AND MATERIALS (FAIR WEAR AND TEAR EXCEPTED) AND AGAINST NON-COMPLIANCE OF EQUIPMENT OR SYSTEMS WITH SPECIFIED PERFORMANCE OR OPERATION AS OUTLINED IN THE SPECIFICATION. DURING THE WHOLE OF THE WARRANTY PERIOD (TWELVE MONTHS AFTER PRACTICAL COMPLETION) WARRANTY AND BREAKDOWN MAINTENANCE IN CONNECTION WITH WORK IN THIS CONTRACT SHALL BE PERFORMED BY THE CONTRACTOR.

7. COMPLIANCE CERTIFICATE

ISSUE A CERTIFICATE OF COMPLIANCE BEFORE THE DATE OF PRACTICAL COMPLETION. THE CERTIFICATE SHALL STATE THAT THE COMPLETE INSTALLATION COMPLIED WITH ALL THE REQUIREMENTS OF THE SPECIFICATION AS WELL AS THE RELEVANT AUSTRALIAN STANDARDS AND REGULATIONS THAT APPLY TO THE INSTALLATION.

8. CONTRACT DESIGN DRAWINGS

THE ARRANGEMENT OF ALL SERVICES ON THE DRAWINGS ARE INDICATED IN THE REQUIRED LOCATIONS DIAGRAMMATICALLY. NOT ALL OFFSETS AND CHANGES OF DIRECTION HAVE BEEN SHOWN. THE CONTRACTOR SHALL ALLOW ALL WORK AS REQUIRED TO OBTAIN APPROVAL. ANY ALTERATIONS REQUIRED TO ARRANGEMENTS SHALL FIRST BE APPROVED PRIOR TO CONSTRUCTION AND SHALL NOT BE DEEMED A VARIATION UNLESS THE POSITIONS OF THE FIXTURES HAVE BEEN ALTERED SUBSTANTIALLY IN LOCATION OR NUMBER INVERT LEVELS SHOWN ON DESIGN DRAWINGS ARE GENERALLY INTERPOLATED OR RECORDED FROM AS BUILT OR PREVIOUS DESIGN DRAWINGS AND ARE NOT NECESSARILY ACCESSED BY SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ESTABLISH THE ACTUAL INVERT LEVEL OF THE POINT OF CONNECTION TO EXISTING PIPEWORK. DETERMINE OBSTRUCTIONS EXISTING OR PROPOSED AND ASSESS THAT THE PIPE ROUTE AS SHOWN ON THE DRAWINGS CAN BE CONSTRUCTED TO CORRECT FALLS AND LEVELS PRIOR TO ORDERING MATERIALS OR CARRYING OUT ANY CONSTRUCTION WORKS.

9. PENETRATIONS

ALL PENETRATIONS THROUGH THE FIRE RATED WALLS AND FLOORS SHALL BE FIRE RATED WITH AN APPROVED FIRE SEALANT OR FIRE STOP COLLAR.

10. ISOLATING VALVES

ALL ISOLATING VALVES AS SHOWN ON THE DRAWING SHALL BE POSITIONED IN AN ACCESSIBLE LOCATION AND CLEARLY TAGGED FOR IDENTIFICATION.

11. FEES AND CHARGES

PAY ALL APPLICABLE FEES AND CHARGES IN ACCORDANCE WITH THE CONTROLLING AUTHORITIES' CURRENT FEE SCALES. PAY ALL CHARGES FOR INSURANCE, SALES TAX AND STORAGE.

12. SANITARYWARE, EQUIPMENT AND TAPWARE

CONTRACTOR SHALL SUPPLY AND INSTALL ALL FIXTURES AND FITTINGS, FOR SANITARY WARE, EQUIPMENT AND TAPWARE SCHEDULES REFER TO THE ARCHITECTURAL DOCUMENTATION.

13. TESTING

THE CONTRACTOR SHALL ENGAGE A REGISTERED TESTING COMPANY APPROVED BY THE WATER AUTHORITY TO PROVIDE A CERTIFIED TESTING PROGRAM FOR ALL FIRE AND PLUMBING AND DRAINAGE WORKS. ABOVE GROUND, BELOW SLAB AND IN GROUND, ALL TESTED TO COMPLY WITH AS 3500 NATIONAL PLUMBING CODE AND RELEVANT FIRE CODES. CERTIFICATION OF ALL INSPECTIONS/APPROVAL AT ALL PHASES OF INSTALLATION IS REQUIRED TO BE PROVIDED TO THE SUPERVISING ARCHITECT.

14. AS BUILT DRAWINGS AND MANUALS

THE CONTRACTOR SHALL PREPARE INSTALLATION "AS BUILT" DRAWINGS CORRECTLY BROUGHT UP TO DATE TO PROVIDE A TRUE AND ACCURATE REPRESENTATION OF THE ACTUAL INSTALLATION INCLUDING DRAINAGE INVERT LEVELS, PIPE MATERIALS, VALVES, DROPPERS, RISERS, INSPECTION OPENINGS, ETC AND SHALL BE ISSUED IN THE FORM OF THREE COPIES (3) OF PRINTS AND TWO SETS OF ALL DOCUMENTS IN DWG FILES ON CD TO AUTO CAD 2004 OR LATER. CONTRACTOR SHALL ALSO PROVIDE (3) MAINTENANCE MANUALS THAT SHALL INCLUDE BROCHURES OF ALL INSTALLED TAPWARE, FIXTURES, MATERIALS, PUMPS, HW'S TMS'S AND THE LIKE RELEVANT TO THE PROJECT INCLUDING THE DESCRIPTION OF WHAT WOULD BE DEEMED AS REGULAR MAINTENANCE PERIODS TO ENSURE PROPER FUNCTION OF THE EQUIPMENT.

15. MATERIALS

SEWER AND SANITARY PLUMBING

ALL PROPOSED SEWERAGE DRAINS AND SANITARY PLUMBING SHALL BE OF REQUIRED DIAMETER & CLASS "DWY" P.V.C. PIPES & FITTINGS.

COLD WATER AND RAINWATER PUMPLINES

COLD WATER SERVICE BEYOND EXTERNAL OF BUILDING, BELOW GROUND SHALL BE FORMED OF MEDIUM DENSITY POLYETHYLENE (PE 80 TYPE B PN 16) IN ACCORDANCE WITH AS 4130 AND POLYETHYLENE COMPRESSION OR ELECTROFUSION FITTINGS IN ACCORDANCE WITH AS 1460.

ALL EXPOSED EXTERNAL PIPING SHALL BE FORMED OF COPPER TUBE AND FITTINGS, TYPE B, TO CONFORM TO AS 1432.

ALL PIPING WITHIN BUILDING SHALL BE CLASS 16 CROSS-LINKED POLYETHYLENE PIPING MANUFACTURED TO COMPLY WITH AS 2492 WITH COMPRESSION FITTINGS MANUFACTURED TO COMPLY WITH AS 2537. NOTE: PIPE DIAMETERS SHOWN INDICATE NOMINAL MINIMUM INTERNAL DIAMETER. OUTSIDE DIAMETER TO BE ADJUSTED ACCORDING TO PIPE MATERIALS.

RAIN WATER PIPEWORK TO CISTERNS SHALL BE AS PER COLD WATER. ALL PIPES, FITTINGS AND VALVES SHALL BE CLEARLY AND PERMANENTLY IDENTIFIED "RAINWATER" INTERVALS NO GREATER THAN 4000mm.

ALL XLPE (REHAU) PIPE IS TO BE INSTALLED IN STRAIGHT RUNS WITH ELBOWS, TEES AND APPROPRIATE PIPE CLIPS AT CHANGES OF DIRECTION.

EXPOSED INTERNAL PIPEWORK SHALL BE CHROMIUM PLATED COPPER PIPES AND FITTINGS.

HOT AND TEPID WATER

ALL PIPING WITHIN BUILDING SHALL BE CLASS PN16 CROSS-LINKED POLYETHYLENE PIPING MANUFACTURED TO COMPLY WITH AS 2492 WITH COMPRESSION FITTINGS MANUFACTURED TO COMPLY WITH AS 2537. NOTE: PIPE DIAMETERS SHOWN INDICATE NOMINAL MINIMUM INTERNAL DIAMETER. OUTSIDE DIAMETER TO BE ADJUSTED ACCORDING TO PIPE MATERIALS.

ALL XLPE PIPE IS TO BE INSTALLED IN STRAIGHT RUNS WITH ELBOWS, TEES AND APPROPRIATE PIPE CLIPS AT CHANGES OF DIRECTION.

EXPOSED PIPEWORK SHALL BE CHROMIUM PLATED COPPER PIPES AND FITTINGS.

ALL XLPE AND COPPER HOT WATER PIPEWORK SHALL BE INSULATED WITH 25mm ARMAFLEX INSULATION. PIPEWORK EXPOSED TO THE ELEMENTS SHALL BE PROTECTED WITH METAL CLADDING OR THE ENTIRE SYSTEM WRAPPED WITH A 20 R 'INSULOC' PVC PIPE JACKETING.

GENERAL NOTES:

IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY ALLOWANCES TO COVER THE COMPLETE SCOPE OF WORKS SET OUT IN ALL BUILDING SERVICES DRAWINGS, SCOPE OF WORKS, ARCHITECTURAL AND STRUCTURAL DOCUMENTATION INCLUDING THE VERIFICATION OF ALL LEVELS & DIMENSIONS PRIOR TO COMMENCING ANY WORK.

THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS AND OTHER BUILDING SERVICES DRAWINGS.

THESE DRAWINGS ARE SCHEMATIC ONLY, AND DO NOT NECESSARILY SHOW ALL BENDS, FITTINGS, PIPE RUNS, ETC., BUT DO INDICATE THE INTENT OF THIS PROJECT.

THIS INSTALLATION SHALL BE IN ACCORDANCE WITH ALL RELEVANT AUTHORITIES, CODES, APPROVALS, ETC. AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH ALL RELEVANT AUTHORITIES, CODES, APPROVALS, ETC.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ADEQUATELY DRAIN THE SITE AND COMPLY WITH THE ENVIRONMENT PROTECTION AUTHORITY (E.P.A.) CONSTRUCTION RUN OFF REQUIREMENTS DURING ALL STAGES OF CONSTRUCTION.

ALL WORK OUTSIDE THE TITLE BOUNDARY SHALL BE DONE IN ACCORDANCE WITH ALL RELEVANT AUTHORITIES, CODES, APPROVALS, ETC.

ALL EXISTING SERVICES SHOWN ON THESE DRAWINGS ARE INDICATIVE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL SERVICE LOCATION AND DEPTH ON SITE PRIOR TO COMMENCING ANY WORK.

THE CONTRACTOR SHALL ALLOW TO ALTER EXISTING SERVICES WHERE REQUIRED INCLUSIVE OF ALL FEES, CHARGES AND COST OF WORKS, TO AVOID CLASHES WITH PROPOSED SERVICES. REFER TO DRAWING H02 FOR PROPOSED AND APPROXIMATE SERVICE LOCATIONS (ALL CHANGES SHALL BE RECORDED ON THE "AS INSTALLED" DRAWINGS).

THE CONTRACTOR SHALL ARRANGE A SITE INSPECTION WITH THE ARCHITECT PRIOR TO COMMENCING ANY WORK TO RECORD ANY EVIDENT DAMAGE TO EXISTING FEATURES.

ALL PAVEMENTS, STRUCTURES, LANDSCAPED AND NATURAL AREAS, SERVICES, ETC. DAMAGED OR DISTURBED DURING THE COURSE OF THE WORK SHALL BE REINSTATED TO THE SATISFACTION OF THE ARCHITECT AT THE CONTRACTOR'S EXPENSE.

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ARRANGING OFF SITE DISPOSAL, INCLUDING PROMPT CLEANING UP OF ANY MATERIAL SPLIT OR TRACKED ON TO SURROUNDING STREETS BETWEEN THE SITE AND THE DISPOSAL POINT.

ALL P.V.C. PIPEWORK PENETRATING FIRE RATED WALLS, FLOORS, ETC. SHALL BE FITTED WITH FIRE COLLARS.

ALL METAL PIPEWORK PENETRATING FIRE RATED WALLS, FLOORS, ETC. SHALL BE PACKED WITH FIRE RESISTANT MATERIAL TO MAINTAIN FIRE RATING.

ALL HYDRAULIC SERVICES PIPEWORK SHALL BE ARRANGED TO SUIT BUILDING STRUCTURE. I.E., BEAMS, COLUMNS, PANELS, ETC. AND OTHER SERVICES TO AVOID ANY CLASHES.

THE SEWER & WATER SUPPLY DESIGN IN THESE DOCUMENTS HAS BEEN BASED ON AUSTRALIAN STANDARD AS3500.

ALL PLUMBING WASTE PIPES, ETC. SHALL BE INSULATED AND INSTALLED TO THE REQUIREMENTS OF THE ACOUSTIC REPORT AND THE REQUIREMENTS OF THE SPECIFICATION.

ALL METAL HOT AND COLD WATER AND GAS SUPPLY PIPEWORK SHALL BE ARRANGED AND SUPPORTED TO ALLOW FOR EXPANSION AND CONTRACTION, IN ACCORDANCE WITH AS3500, AS5601 & AS601, AND SHALL BE INSTALLED TO ELIMINATE WATER VELOCITY NOISE, GAS VELOCITY NOISE, WATER HAMMER ETC.

ALL COPPER PIPEWORK SHALL BE INSTALLED TO ELIMINATE WATER VELOCITY NOISE AND WATER HAMMER ETC. AND INSTALLED TO MANUFACTURERS REQUIREMENTS.

METAL PIPEWORK SHALL BE INSTALLED IN STRAIGHT LINES AND PARALLEL TO ADJACENT PIPEWORK WITHOUT DIPS, SAGS, WOOLFS ETC.

ALL DOMESTIC HOT AND COLD WATER PIPEWORK WITHIN CUPBOARDS AND/OR EXPOSED TO VIEW SHALL BE CHROME PLATED PIPEWORK INCLUSIVE OF ESCUTCHEON PLATE WHERE PIPEWORK LEAVES THE CONCEALED SPACE.

FOR EXACT POSITION OF ALL TAPS, WATER OUTLETS ETC. REFER TO THE ARCHITECTURAL DRAWINGS FOR LOCATION & DETAILS.

THE CONTRACTOR SHALL PROVIDE PROTECTIVE CRASH RAILS OR BOLLARDS TO SEWER, WATER, AND FIRE SERVICES PIPEWORK, ETC. TO THE REQUIREMENTS OF THE CLIENT'S REPRESENTATIVE.

ALL HOSE COCKS CONNECTIONS SHALL BE FITTED WITH APPROVED TYPE BACKFLOW PREVENTION DEVICES (HOSE CONNECTION VACUUM BREAKERS). HOSE CONNECTION VACUUM BREAKERS SHALL BE PROVIDED AND INSTALLED BY HYDRAULICS CONTRACTOR.

WHERE A FLOOR WASTE GULLY IS LOCATED IN A POSITION THAT CAN NOT RECEIVE AN APPROVED WASTE DISCHARGE FROM A SHOWER, BASIN ETC., THE WATER SEAL SHALL BE MAINTAINED BY AN APPROVED PRIMING VALVE. PRIMING VALVE SHALL BE LOCATED BELOW A BENCH OR WITHIN A WALL COMPLETE WITH ACCESS PANEL. REFER TO ARCHITECTURAL DRAWING FOR EXACT LOCATION OF FLOOR WASTE GULLIES.

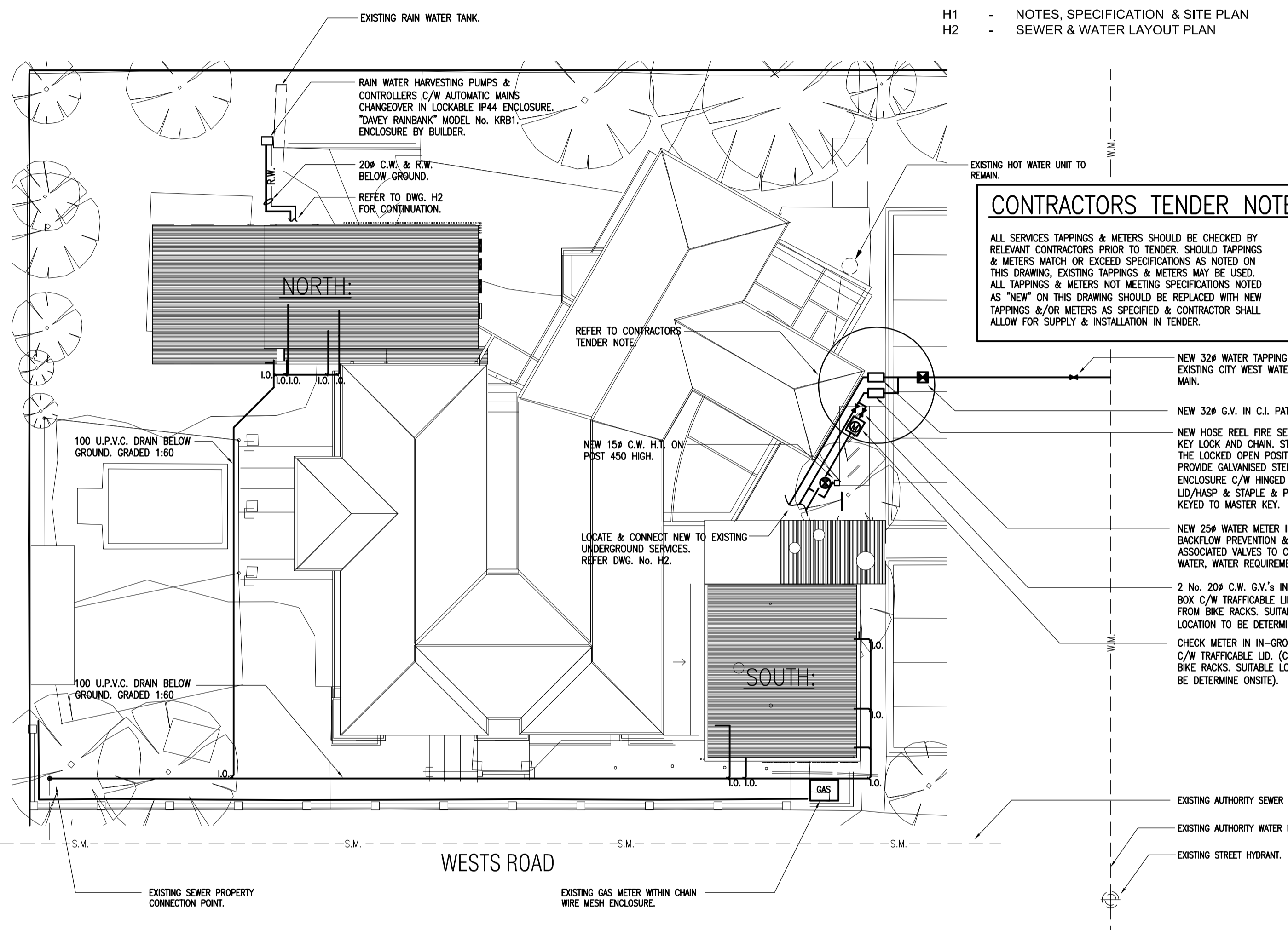
ALL SERVICE PIPEWORK CROSSING STRUCTURAL MOVEMENT JOINTS SHALL BE FITTED WITH APPROVED TYPE MOVEMENT/SLIP FITTINGS.

THE CONTRACTOR SHALL ABOLISH ANY EXISTING OR REDUNDANT SEWERAGE, STORMWATER, WATER AND GAS PIPEWORK INCLUDING TAPPING AND CONNECTIONS INTO THE SITE CONTROLLED BY THE RELEVANT AUTHORITIES AND ANY METERS FOUND ON SITE SHALL BE RETURNED TO THE RELEVANT AUTHORITY.

THE CONTRACTOR SHALL OBTAIN ALL AUTHORITY PERMITS AND PAY ALL AUTHORITY FEES IN CONNECTION WITH THE PROJECT WORK. HEADWORKS CHARGES MUST BE ADVISED TO THE ARCHITECT FOR PAYMENT BY THE PROPRIETOR.

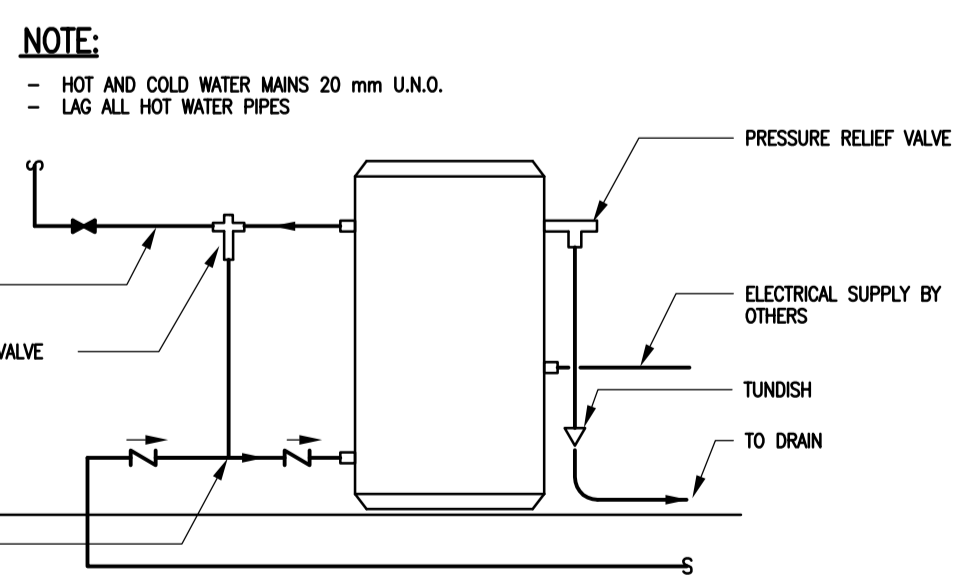
LEGEND

- S.M. — EXISTING SEWER MAIN
- W.M. — EXISTING WATER MAIN
- L.O. — SEWER DRAIN
- C.W. — COLD WATER PIPE
- H.W. — HOT WATER PIPE
- R.W. — RAIN WATER PIPE
- V. — VENT PIPE
- G. — GAS SERVICE PIPE
- F.S. — FIRE SERVICE PIPE
- ⊕ H.T. — HOSE TAP
- ⊕ H.R. — HOSE REEL
- ⊕ H. — HYDRANT
- ⊕ S.T. — STOP TAP
- ⊕ G.V. — GATE VALVE
- I.L. — INVERT LEVEL
- I.O. — INSPECTION OPENING
- U.P.V.C. — UNPLASTICIZED POLYVINYL CHLORIDE
- C.I.P. — CAST IRON PIPE
- T/B — TO BELOW
- T/A — TO ABOVE
- F/B — FROM BELOW
- F/A — FROM ABOVE
- W. — WASTE
- V. — VENT
- F.W.G. — FLOOR WASTE GULLY
- R.V. — RELIEF VENT
- B.T. — BOUNDARY TRAP
- O.G.V. — OVERFLOW GROUND VENT
- C.W. — COLD WATER
- H.W. — HOT WATER
- A.P. — ALTERING PIPE
- D.V. — DRAINAGE VENT



CONTRACTORS TENDER NOTE

ALL SERVICES TAPPINGS & METERS SHOULD BE CHECKED BY RELEVANT CONTRACTORS PRIOR TO TENDER. SHOULD TAPPINGS & METERS MATCH OR EXCEED SPECIFICATIONS AS NOTED ON THIS DRAWING, EXISTING TAPPINGS & METERS MAY BE USED. ALL TAPPINGS & METERS NOT MEETING SPECIFICATIONS NOTED AS "NEW" ON THIS DRAWING SHOULD BE REPLACED WITH NEW TAPPINGS &/OR METERS AS SPECIFIED & CONTRACTOR SHALL ALLOW FOR SUPPLY & INSTALLATION IN TENDER.



LOCATION	TYPE	RELIEF
BELOW BENCH - CHILDRENS PLAYROOM 5	50L ELECTRIC STORAGE WATER HEATER "RINNAI" TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS & RELEVANT AUTHORITY REQUIREMENTS.	TO TUNDISH
BELOW BENCH - MCH	50L ELECTRIC STORAGE WATER HEATER "RINNAI" TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS & RELEVANT AUTHORITY REQUIREMENTS.	TO TUNDISH

DOMESTIC HOT WATER UNIT INSTALLATION
DETAIL
N.T.S.

HOT & COLD WATER CONNECTION SIZES

FIXTURE TYPE	ABV	CONNECTION SIZE
WATER CLOSET	WC	DN15 RW BR WITH CISTERN STOP TAP
SINK	Sk	DN15 H & CW BRANCHES
BASIN	Bsn	DN15 TW & CW BRANCHES
LAUNDRY TROUGH	LTr	DN15 H & CW BRANCHES
CLOTHES WASHING MACHINE	CW	DN15 H & CW BRANCHES

SANITARY CONNECTION SIZES

FIXTURE TYPE	ABV	CONNECTION SIZE
WATER CLOSET	WC	100# OUTLET
FLOOR AREA	FA	100# FWG
SINK	Sk	50# WASTE
BASIN	Bsn	40# WASTE
TUNDISH	Td	65#x50mm HIGH
LAUNDRY TROUGH	LTr	50# WASTE

CONTRACTOR TO NOTE
VARIOUS ITEMS ON HYDRAULIC SERVICES

CONTRACTOR SHALL INCLUDE IN HIS TENDER PRICE HIS RATE PER HOUR FOR LABOUR THAT SHALL BE USED FOR DETERMINING THE PRICE OF VARIATIONS ONCE THE PROJECT HAS COMMENCED, IE HOURLY RATE FOR A TRADESMAN, APPRENTICE, ACOUSTIC/THERMAL LAGGING CONTRACTOR, DRAINER ETC.

CONTRACTOR TO NOTE

ALL VALVES INSTALLED IN WATER SUPPLY SHALL BE TO SAA NP 52 SPECIFICATION.

ALL PIPEWORK MATERIALS INSTALLED FOR THE WATER SUPPLY, SEWER, AND SANITARY PLUMBING SHALL BE TO SAA NP 52 SPECIFICATION.

THE CONTRACTOR SHALL OBTAIN ALL AUTHORITY PERMITS AND PAY ALL AUTHORITY FEES IN CONNECTION WITH THE PROJECT WORK. HEADWORKS CHARGES MUST BE ADVISED TO THE ARCHITECT FOR PAYMENT BY THE PROPRIETOR.

WARNING

BE AWARE OF UNDERGROUND SERVICES. THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND SERVICES PRIOR TO CONSTRUCTION WORK.

COPYRIGHT
This Drawing shall remain the property of S.D.P. Consulting (Aust) Pty. Ltd. and shall not be copied in part or whole without written permission.

No.	Revisions Date	
2	TENDER ISSUE	30-08-15



Suite 8, 1153 Burke Road, Kew VIC 3101
P (03) 9817 6333 F (03) 9817 6233
www.sdpc consulting.com.au

Title
HYDRAULIC SERVICES
SITE LAYOUT

Project
PROPOSED CHILDCARE REDEVELOPMENT
6 WESTS ROAD,
MARIBYRNONG, VIC 3032

Client
MARIBYRNONG CITY COUNCIL

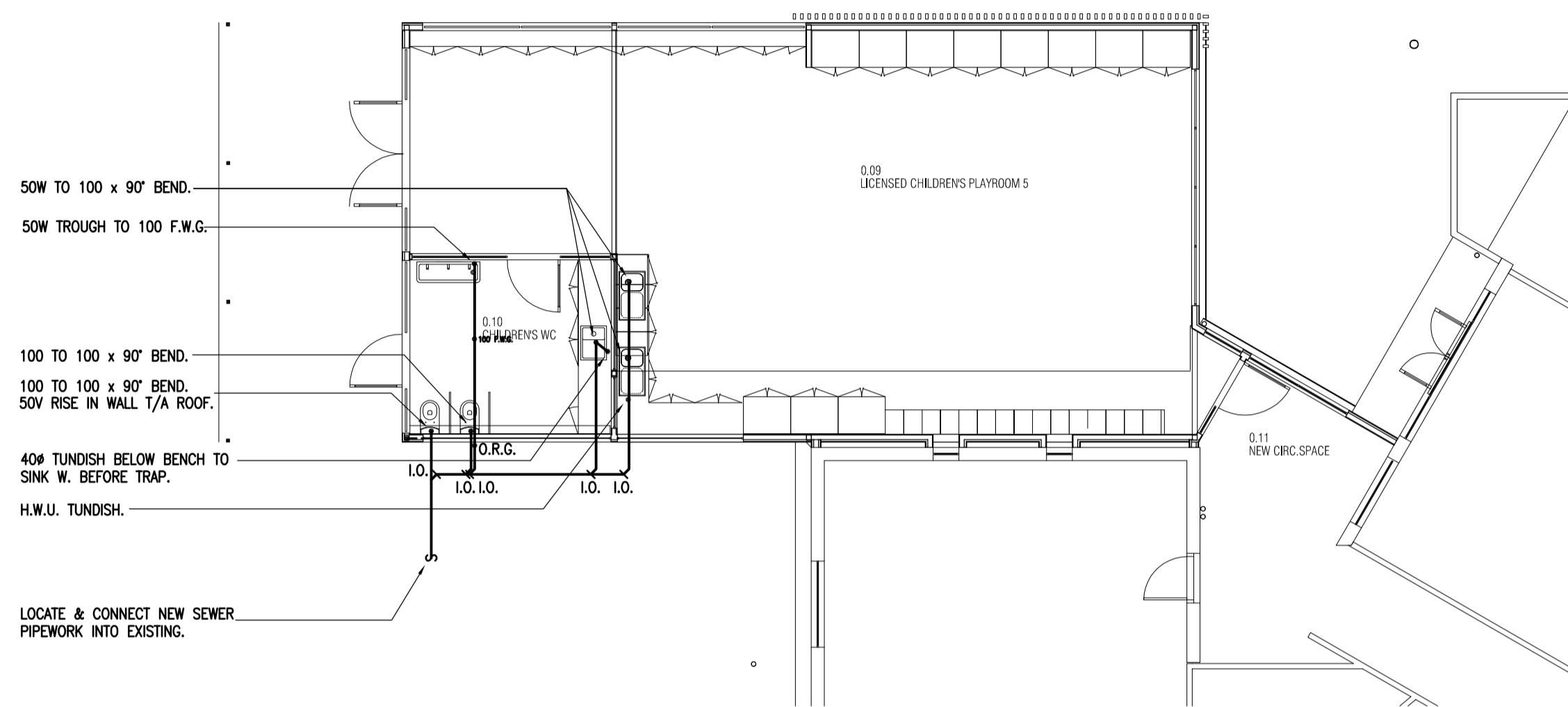
Architect
k20 ARCHITECTURE

Scale	1:200 @ A1	Project No.	15-1071
Drawn		Drawing No.	H1 OF 2
Checked		Date	MAY '15
Date	MAY '15	Revision	Issue

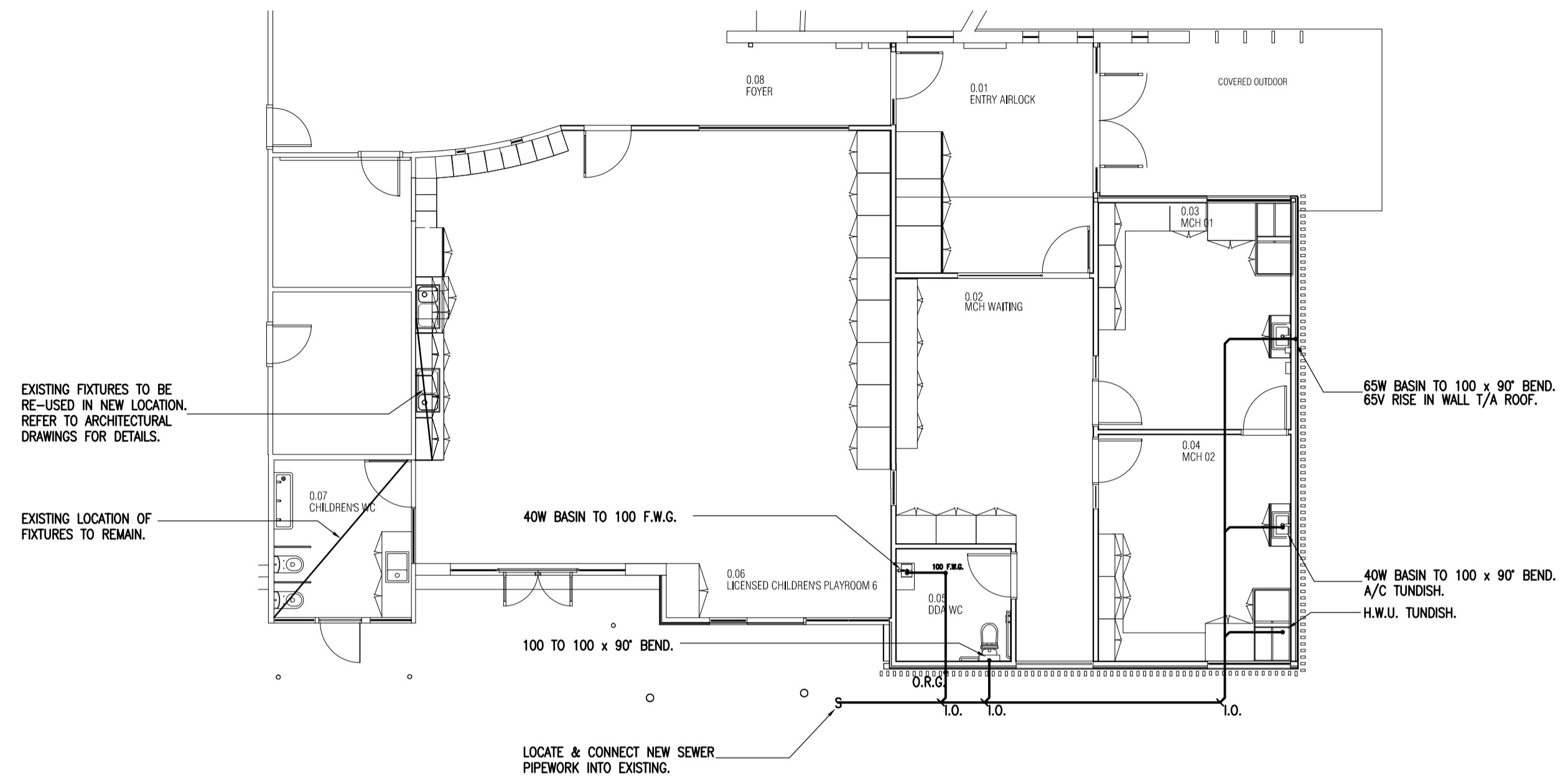
TENDER ISSUE

LEGEND

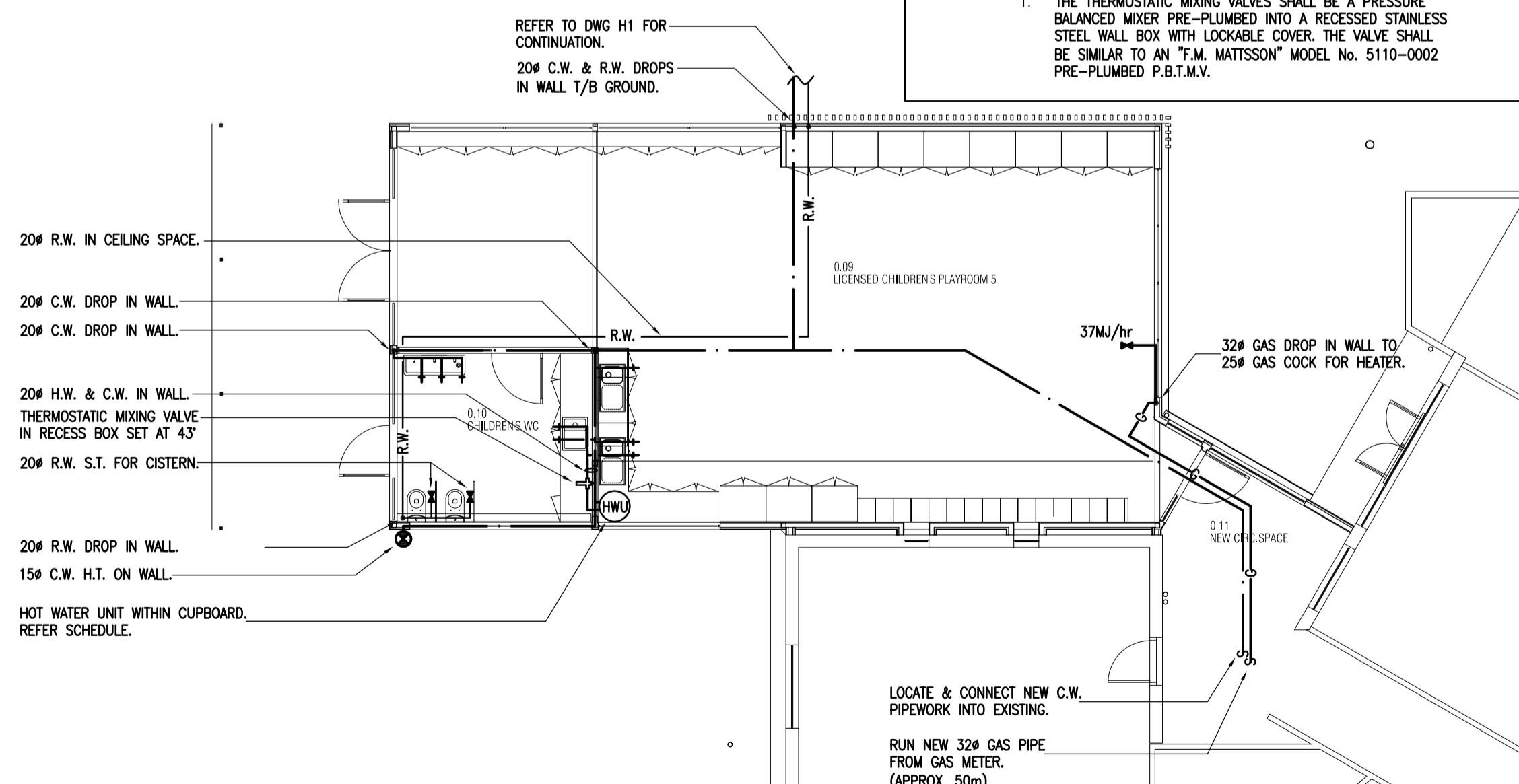
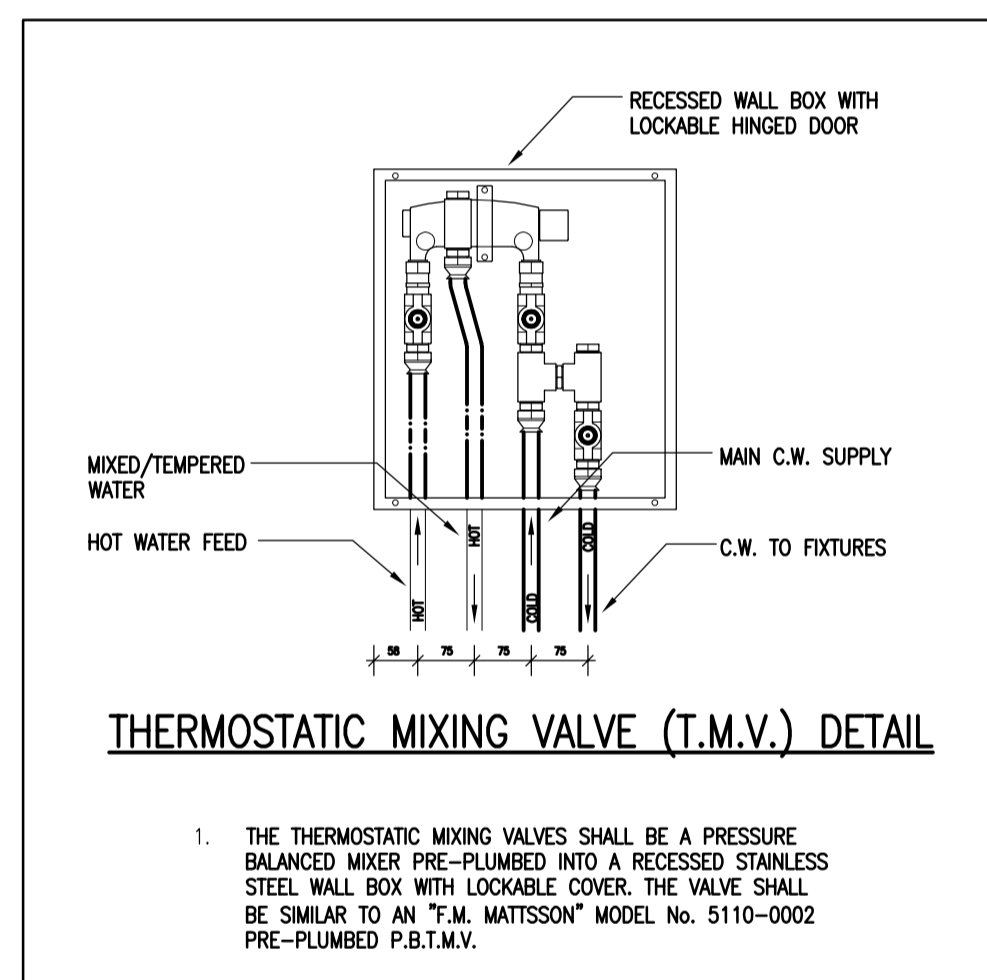
- S.M. — EXISTING SEWER MAIN
- W.M. — EXISTING WATER MAIN
- L.O. — SEWER DRAIN
- C.W. — COLD WATER PIPE
- H.W. — HOT WATER PIPE
- V. — VENT PIPE
- G — GAS SERVICE PIPE
- F.S. — FIRE SERVICE PIPE
- ⊙ H.T. HOSE TAP
- ⊙ H.R. HOSE REEL
- ⊙ H. HYDRANT
- ⊙ S.T. STOP TAP
- ⊙ G.V. GATE VALVE
- ⊙ I.L. INVERT LEVEL
- ⊙ I.O. INSPECTION OPENING
- ⊙ U.P.V.C. UNPLASTICIZED POLYVINYL CHLORIDE
- ⊙ C.I.P. CAST IRON PIPE
- T/B TO BELOW
- T/A TO ABOVE
- F/B FROM BELOW
- F/A FROM ABOVE
- W. WASTE
- V. VENT
- F.W.G. FLOOR WASTE GULLY
- R.V. RELIEF VENT
- B.T. BOUNDARY TRAP
- O.G.V. OVERFLOW GROUND VENT
- C.W. COLD WATER
- H.W. HOT WATER
- A.P. ALTERNING PIPE
- D.V. DRAINAGE VENT



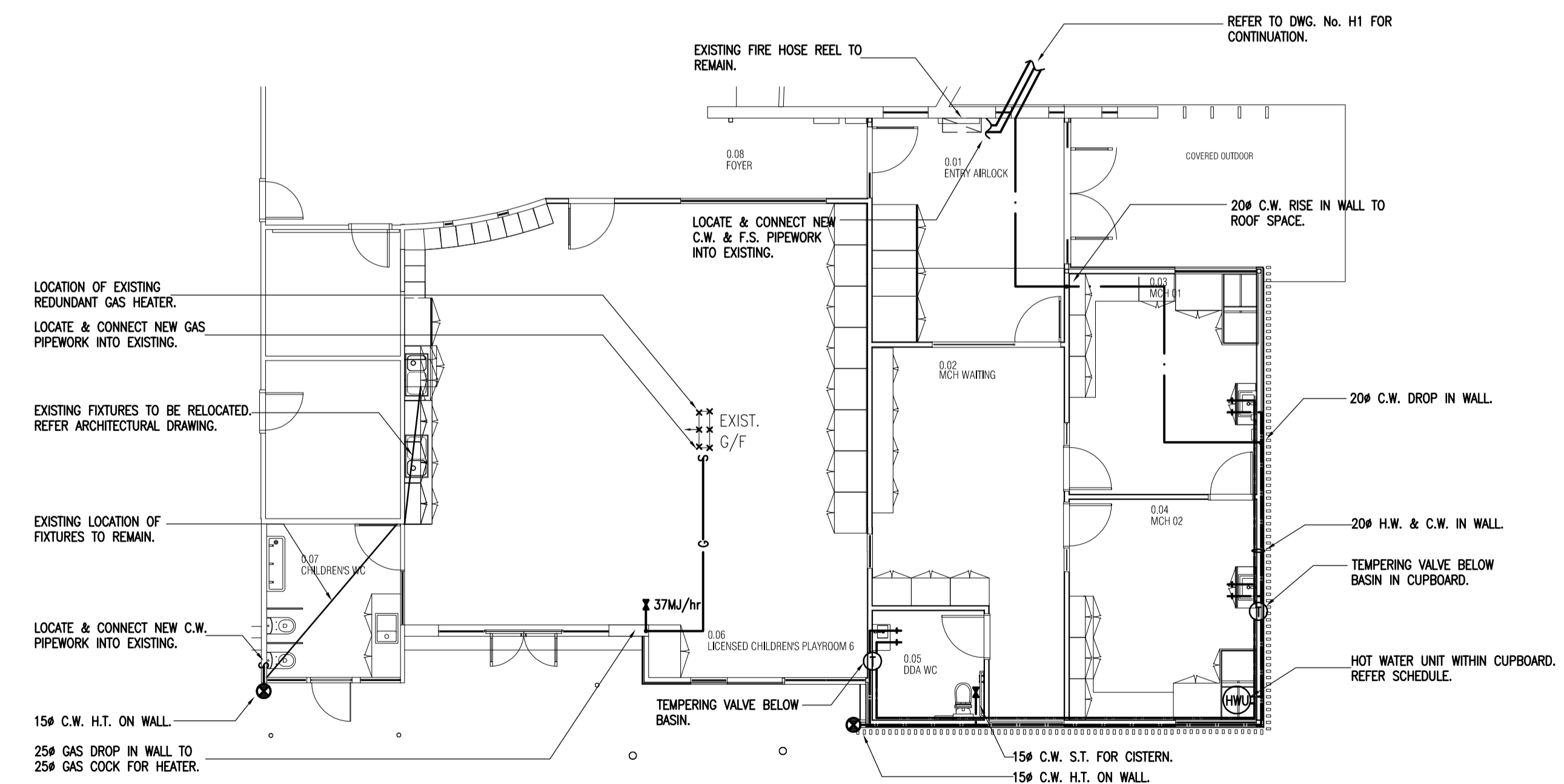
SEWER LAYOUT – NORTH:



SEWER LAYOUT – SOUTH:



WATER LAYOUT – NORTH:



WATER LAYOUT – SOUTH:

COPYRIGHT
This Drawing shall remain the property of S.D.P. Consulting (Aust) Pty. Ltd. and shall not be copied in part or whole without written permission.

No.	Revisions Date	
2	TENDER ISSUE	30-08-15

Suite 8, 1153 Burke Road, Kew VIC 3101
P (03) 9817 6333 F (03) 9817 6233
www.sdpconsulting.com.au

Title
**HYDRAULIC SERVICES
SEWER & WATER LAYOUT**

Project
**PROPOSED CHILDCARE REDEVELOPMENT
6 WESTS ROAD,
MARIBYRNONG, VIC 3032**

Client
MARIBYRNONG CITY COUNCIL

Architect
k20 ARCHITECTURE

Scale	1:100 @ A1	Project No.	15-1071
Drawn		Checked	
Date	MAY '15	Drawing No.	H2 OF 2
Revision		Issue	1

TENDER ISSUE

