GENERAL HYDRAULIC NOTES

- 1. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS, SERVICES AND STRUCTURES ON SITE PRIOR TO COMMENCEMENT OF
- 2. CONTRACTOR SHALL ARRANGE FOR ALL SURVEY SETOUT TO BE CARRIED OUT BY A REGISTERED SURVEYOR.
- 3. ON COMPLETION OF PROPOSED WORKS ALL DISTURBED AREAS MUST BE RESTORED TO ORIGINAL, INCLUDING KREBS, FOOTPATHS, CONCRETE AREAS, GRAVEL AND GRASSED AREAS AND ROAD PAVEMENTS UNLESS
- 4. MAKE SMOOTH TRANSITION TO EXISTING SERVICES AND MAKE GOOD WHERE REQUIRED.
- 5. WHERE NEW WORKS ABUT EXISTING THE SUB CONTRACTOR SHALL ENSURE THAT A SMOOTH EVEN PROFILE, FREE FROM ABRUPT CHANGES IS OBTAINED.
- 6. CARE IS TO BE TAKEN WHEN EXCAVATING NEAR EXISTING SERVICES. NO MECHANICAL EXCAVATIONS ARE TO BE UNDERTAKEN OVER OR IN CLOSE PROXIMITY TO THESE SERVICES. HAND EXCAVATE IN THESE AREAS.
- 7. THESE PLANS SHALL BE READ IN CONJUNCTION WITH APPROVED ARCHITECTURAL, CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL AND COMMUNICATION/SECURITY DRAWINGS AND SPECIFICATIONS.
- 8. CONTRACTOR TO SUPPLY AND INSTALL ALL FITTINGS AND SPECIALS INCLUDING VARIOUS PIPE ADAPTORS TO ENSURE PROPER NON CORROSIVE CONNECTION BETWEEN DISSIMILAR PIPEWORK.
- 9. ALL ELEVATED SERVICES PIPEWORK SHALL BE CLEARLY LABELED IN ACCORDANCE WITH REQUIREMENTS OF AS3500 AND AS1345.
- 10. ALL ELEVATED SERVICES SHALL BE CHARGED AND TESTED PRIOR TO CONCEALMENT.
- 11. ALL SERVICE CONDUITS SHOWN ARE INDICATIVE ONLY AND FINAL PIPE AND CONDUIT DETAILS AND LOCATIONS ARE TO BE OBTAINED BY THE SUB CONTRACTOR COORDINATING WITH AND GAINING CONFIRMATION FROM THE RELEVANT SERVICES.
- 12. ELECTRICAL CONDUITS FOR HYDRAULIC SERVICES PLANT AND EQUIPMENT SHALL BE ORANGE HEAVY DUTY RIGID TYPE IN ACCORDANCE WITH CATEGORY 'A' OF AS3000 AND AS DESCRIBED IN THE ELECTRICAL SPECIFICATION AND DOCUMENTATION.
- 13. ON COMPLETION, ALL PIPEWORK SHALL BE SUBJECT TO A PRESSURE TEST REQUIRED BY THE HYDRAULIC SERVICES CONSULTANT. ANY DEFECTS FOUND IN THE SYSTEM SHALL BE REMEDIED AND THE TEST RE-APPLIED.
- 14. TRENCHES THROUGH EXISTING ROAD AND CONCRETE AREAS SHALL BE SAWCUT TO FULL DEPTH OF CONCRETE AND A MINIMUM OF 50mm IN BITUMINOUS PAVING. REINSTATE WITH ADDITIONAL REINFORCEMENT AND DOWELING AS REQUIRED BY STRUCTURAL ENGINEERS.
- AS NECESSARY TO CONSTRUCT PIPEWORK INCLUDING THE REMOVAL OF SAME UPON COMPLETION OF PIPEWORK.

15. CONTRACTOR SHALL PROVIDE ALL TIMBERING, SHORING AND SHUTTERING

- 16. CONTRACTOR SHALL OBTAIN ALL AUTHORITY APPROVALS AND PAY ALL
- 17. ALL WORK TO BE IN ACCORDANCE WITH THE RELEVANT WATER AUTHORITY, FIRE AND RESCUE NSW, AS3500, AS2444, AS2419 AND RELATED STANDARDS AS APPROPRIATE.
- 18. CONTRACTOR TO PROVIDE 'AS BUILT' DOCUMENTATION UPON PRACTICAL COMPLETION OF THE PROJECT AND SHALL BE IN CAD FORMAT (AUTOCAD) AND REVIT 3D MODELING.
- 19. ORIGIN OF LEVELS: AUSTRALIAN HEIGHT DATUM.
- 20. ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
- 21. ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED WITH SAND OR AN APPROVED GRANULAR MATERIAL AND COMPACTED TO 98% STANDARD MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS1289 E1.1.
- 22. ALL SERVICES THAT CROSS FOOTINGS ETC. SHALL BE BACKFILLED WITH GRANULAR MATERIAL TO SUBGRADE LEVEL AND COMPACTED TO 95%
- 23. FOR INTERNAL LAYOUTS OF THE BUILDING FOR THE CORE AMENITIES -REFER TO THE PATTERN BOOK SUITE OF DOCUMENTATION (SOURCED VIA SINSW).

FIRE HYDRANT NOTES

- 1. EXTERNAL HYDRANTS SHALL BE POSITIONED NOT LESS THAN 10m FROM THE BUILDING IT IS PROTECTING, UNLESS PROTECTED BY A CONSTRUCTION HAVING A FIRE RESISTANCE LEVEL OF NOT LESS THAN 90/90/90 EXTENDING AT LEAST 2m EITHER SIDE OF THE HYDRANT OUTLET AND 3m FROM THE GROUND LEVEL ADJACENT TO THE HYDRANT, OR THE HEIGHT OF THE BUILDING, WHICHEVER IS THE LESSER.
- 2. ALL HYDRANTS SHALL BE INSTALLED SO THAT THE VALVE OUTLET IS AT RIGHT ANGLES TO THE FACE OF THE WALL BEHIND (IF ANY) AND THE VALVE OUTLET IS HORIZONTAL OR SLOPING NOT MORE THAN 35 DEGREES BELOW THE HORIZONTAL.
- 3. ALL HYDRANTS SHALL BE INSTALLED TO PROVIDE A MINIMUM OF 100mm CLEARANCE AROUND THE HANDWHEEL IN ALL DIRECTIONS.
- 4. ALL HYDRANT PIPEWORK SHALL BE SUPPORTED IN ACCORDANCE WITH AS2419.
- 5. ALL HYDRANT PIPEWORK SHALL BE IDENTIFIED IN ACCORDANCE WITH AS1345.

SANITARY DRAINAGE AND STORMWATER NOTES

- 1. CONTRACTOR TO PROVIDE ANY ADDITIONAL EXCAVATION (INCLUDING IN ROCK), BACKFILL OF PIPES, FITTINGS AND ALL JUMP-UPS TO LOCAL AUTHORITY REQUIREMENTS INCLUDING THOSE TO BRANCH DRAINS.
- 2. ALL MANHOLES GREATER THAN 1.2m DEEP SHALL BE CONSTRUCTED WITH STEP IRONS TO LOCAL WATER AUTHORITY REQUIREMENTS.
- 3. DRAINS TO BE SUPPORTED ON OR FROM SOLID GROUND. LOCATION AND DEPTH/INVERT LEVEL OF BRANCH SHALL BE VERIFIED ON SITE PRIOR TO COMMENCEMENT OF WORK
- 4. DRAINS UNDER BUILDINGS SHALL BE RETESTED WHERE DIRECTED BY MANAGING
- 5. PROVIDE 80mm COMPRESSIBLE EXPANDED FOAM MATERIAL OVER PIPEWORK WHERE CLEARANCE TO UNDERSIDE OF FOOTING IS LESS THAN 150mm, UNLESS
- 6. SANITARY DRAINAGE LINES SHALL BE CONSTRUCTED OUTSIDE ZONE OF INFLUENCE OF STRUCTURAL BEAMS AND PIPES.
- 7. ALL BUILDING SANITARY DRAINAGE PIPEWORK SHALL BE UPVC-DWV UNLESS NOTED OTHERWISE.
- 8. ALL PIPE JUNCTIONS, BENDS AND TAPERS SHALL BE VIA PURPOSE MADE FITTINGS. MITRE FITTINGS WILL NOT BE ACCEPTED IN ANY CIRCUMSTANCE.
- 9. ALL CONNECTIONS TO DRAINAGE PITS AND MANHOLES SHALL BE MADE IN A TRADESMAN-LIKE MANNER AND THE INTERNAL WALL OF THE PIT AT THE POINT OF ENTRY SHALL BE CEMENT RENDERED TO ENSURE A SMOOTH FINISH AND MADE
- 10. PIPE BEDDING AND BACKFILL SHALL BE IN ACCORDANCE WITH AS3500 AND ALSO IN ACCORDANCE WITH THE HYDRAULIC SERVICES SPECIFICATION.
- 11. WHERE STORMWATER LINES PASS UNDER FLOOR SLABS SEWER GRADE RUBBER RING JOINTS ARE TO BE USED.

SANITARY PLUMBING NOTES

- 1. ALL BRANCH LINES SHALL BE GRADED AND/OR LOWERED TO AVOID PENETRATING STEEL BEAMS. THE SUB CONTRACTOR SHALL PROVIDE ANY ADDITIONAL PIPE LENGTHS AND WORK, INCLUDING CONSTRUCTION OF ADDITIONAL INSPECTION OPENINGS, AS REQUIRED BY THE LOCAL AUTHORITY.
- 2. COORDINATE WITH STRUCTURAL DRAWINGS. NO STEEL REINFORCING BARS TO BE CUT WITHOUT PRIOR WRITTEN APPROVAL FROM STRUCTURAL ENGINEER.
- 3. ALL ROOF PENETRATIONS TO DETAIL AND PAINTED (COLOUR TO BE ADVISED). ALL VENTS SHALL BE OFFSET IN ROOF SPACE MINIMUM 600mm FROM EAVES AND AS SHOWN ON ARCHITECTURAL DRAWINGS AND COMPLY WITH THE BUSH FIRE CODE REQUIREMENTS.
- 4. EXPOSED PIPEWORK WITHIN WET AREAS SHALL BE CHROME PLATED COPPER
- 5. ALL SANITARY PLUMBING PIPEWORK SHALL BE UPVC-DWV UNLESS NOTIFIED
- 6. ALL PIPE PENETRATIONS AT WALLS SHALL BE FITTED WITH A PUDDLE FLANGE AND MADE GOOD AND WATERTIGHT.
- 7. ALL SUSPENDED SLAB PENETRATIONS SHALL BE FORMED BY PATENT "SLABSEAL" OR OTHER APPROVED FIRE-ISOLATING, CAST-IN PENETRATION AND APPROVED (IN WRITING) BY THE MANAGING CONTRACTOR. THIS SHALL NOT RELIEVE THE SUB CONTRACTOR OF THE RESPONSIBILITY FOR THEIR LOCATION AND SIZE.
- 8. ALL SUSPENDED SLAB PENETRATIONS SHALL BE FORMED CLEAR OF ALL EXISTING STEEL SLAB SUPPORT BEAMS, BEFORE CORING THROUGH SUSPENDED SLAB. JACK HAMMERS SHALL NOT BE USED TO MAKE SUSPENDED SLAB PENETRATIONS.
- 9. PRIOR TO COMMENCEMENT OF CORING, ALL CORE HOLE LOCATIONS SHALL BE APPROVED BY THE MANAGING CONTRACTOR.

WATER SERVICES NOTES

- 1. DOMESTIC WATER PIPEWORK SHALL BE TYPE 'B' COPPER TUBE FOR ALL MAINS RUNS INCLUDING SUPPLY TO FIRE HOSE REELS. SEE ALSO HYDRAULIC SERVICES' SPECIFICATION.
- 2. SUPPLY AND INSTALL HOT AND COLD WATER RETICULATION TO ALL NEW FIXTURES AND FITTINGS. ALL PIPEWORK TO BE CONCEALED IN WALL CAVITIES AND CEILING SPACES. NO PIPEWORK TO BE SURFACE-MOUNTED OF MADE VISIBLE. PIPEWORK TO FIXTURES WHERE VISIBLE IN CUPBOARD SPACES SHALL BE CHROMIUM PLATED.
- 3. ALL HOT WATER PIPEWORK TO BE FULLY INSULATED TO AS3500. ALL COLD WATER PIPING WITHIN WALL CHASES TO BE INSULATED WITH KEMLAG OR EQUAL.
- 4. ALL HOT WATER PIPEWORK SHALL BE INSULATED WITH THERMOTECH4-ZERO OR APPROVED EQUAL.
- 5. ALL COLD WATER PIPEWORK SHALL BE Ø20mm MINIMUM, EXCEPT THE LAST 3000mm OF RUN OUT TO ANY SINGLE FIXTURE, WHICH MAY BE Ø15mm, UNLESS NOTED OR SHOWN OTHERWISE.
- 6. ALL INTERNAL HOSE TAPS SHALL BE 15mm, UNLESS NOTED OR SHOWN OTHERWISE. ALL EXTERNAL OR PLANT ROOM HOSE TAPS SHALL BE Ø20mm, UNLESS NOTED OTHERWISE.
- 7. UNLESS NOTED OTHERWISE, ALL BRANCHES FROM MAIN LINES SHALL BE FITTED WITH APPROVED BACKFLOW PREVENTION VACUUM BREAKERS AND INDIVIDUAL STOP TAPS.

PIPEWORK LEGEND

FIRE

FIRE HYDRANT

WATER

AUTHORITY WATER MAIN COLD WATER

DRAINAGE

AUTHORITY SEWER MAIN _____ FIRE (EXISTING)

WATER (EXISTING)

EXISTING AUTHORITY WATER MAIN

— — — — EXISTING FIRE HYDRANT

DRAINAGE (EXISTING)

EXISTING AUTHORITY SEWER MAIN eS EXISTING SEWER

SYMBOLS

GENERAL

───── FLANGED JOINT CAPPED PIPE CONTINUATION OF PIPE CONNECT TO EXISTING DRAWING CONTINUATION ARROW

DRAINAGE

CLEAROUT

WATER

DUAL CHECK VALVE TESTABLE DOUBLE CHECK VALVE

WATER METER

ISOLATION VALVE IN PATH BOX

FIRE BRIGADE BOOSTER ASSEMBLY

ISOLATION VALVE

FIRE HYDRANTS

BOOSTER

EXTERNAL DUAL PILLAR FIRE HYDRANT

FIRE HYDRANT Ø

 \equiv FIRE HOSE REEL (PLAN)

ABBREVIATIONS

BASIN CO CLEAROUT CW COLD WATER

CS **CLEANER SINK** TESTABLE DOUBLE CHECK VALVE (MEDIUM HAZARD)

DFH DUAL FIRE HYDRANT DOWNPIPE DRG DRAWING

DUCV DUAL CHECK VALVE (LOW HAZARD) DRINKING TROUGH

e/EXIST. EXISTING

FINISHED FLOOR LEVEL FHBV FIRE HYDRANT BOOSTER VALVE

FIRE HYDRANT FΗ FHR FIRE HOSE REEL

FW FLOOR WASTE **GUTTER**

GAS METER GM

HIGH LEVEL HOSE TAP

HOT WATER HOT WATER UNIT

INSPECTION OPENING IN GROUND

ON-SITE DETENTION PE POLYETHYLENE

REDUCED LEVEL

RWT RAINWATER TANK SEWER

SHOWER SHR SINK SEWER INVERT LEVEL

SCHOOL INFRASTRUCTURE NSW SINSW SMH SEWER MANHOLE S/S STAINLESS STEEL

TROUGH

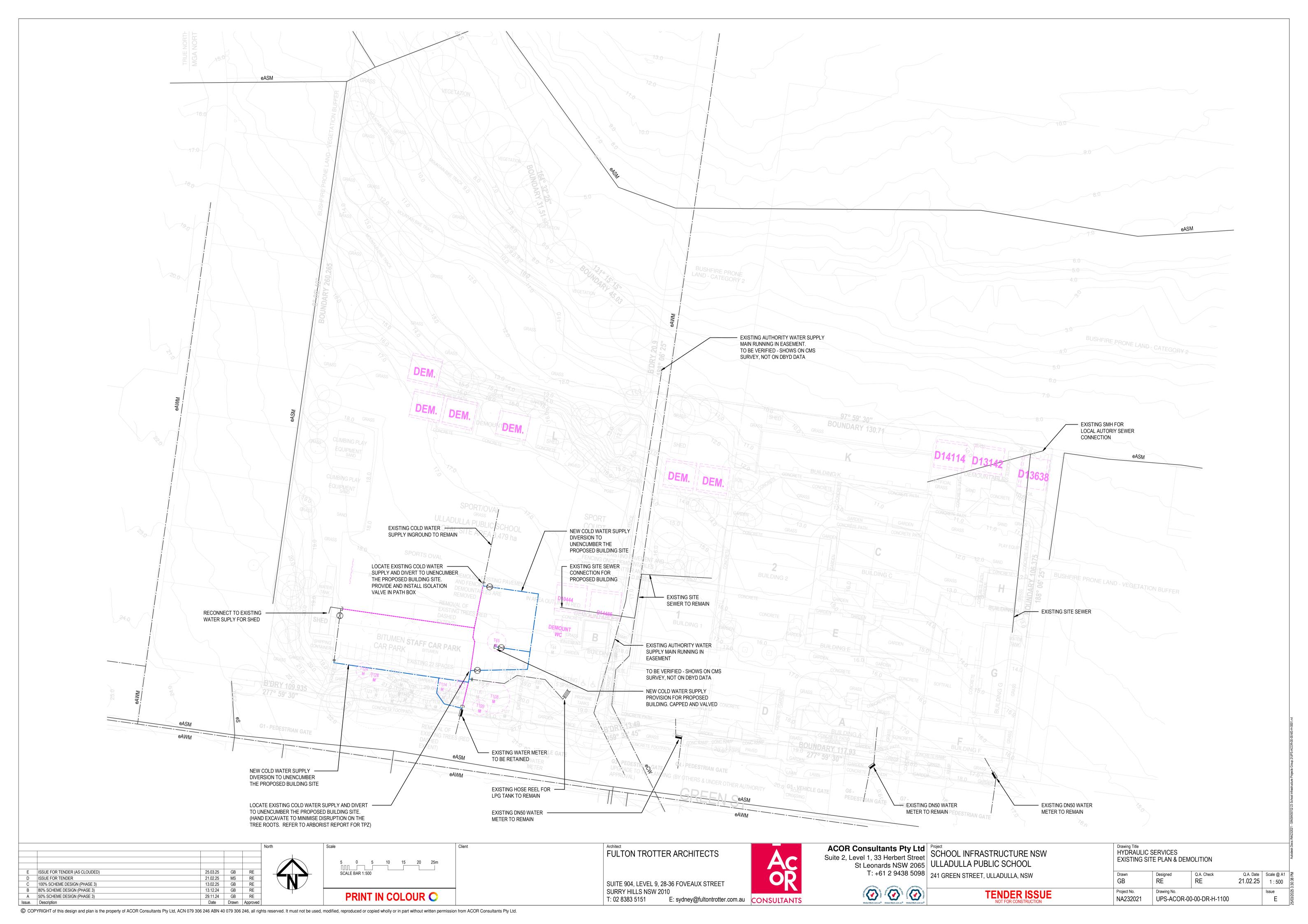
TD/MECH TUNDISH/MECHANICAL

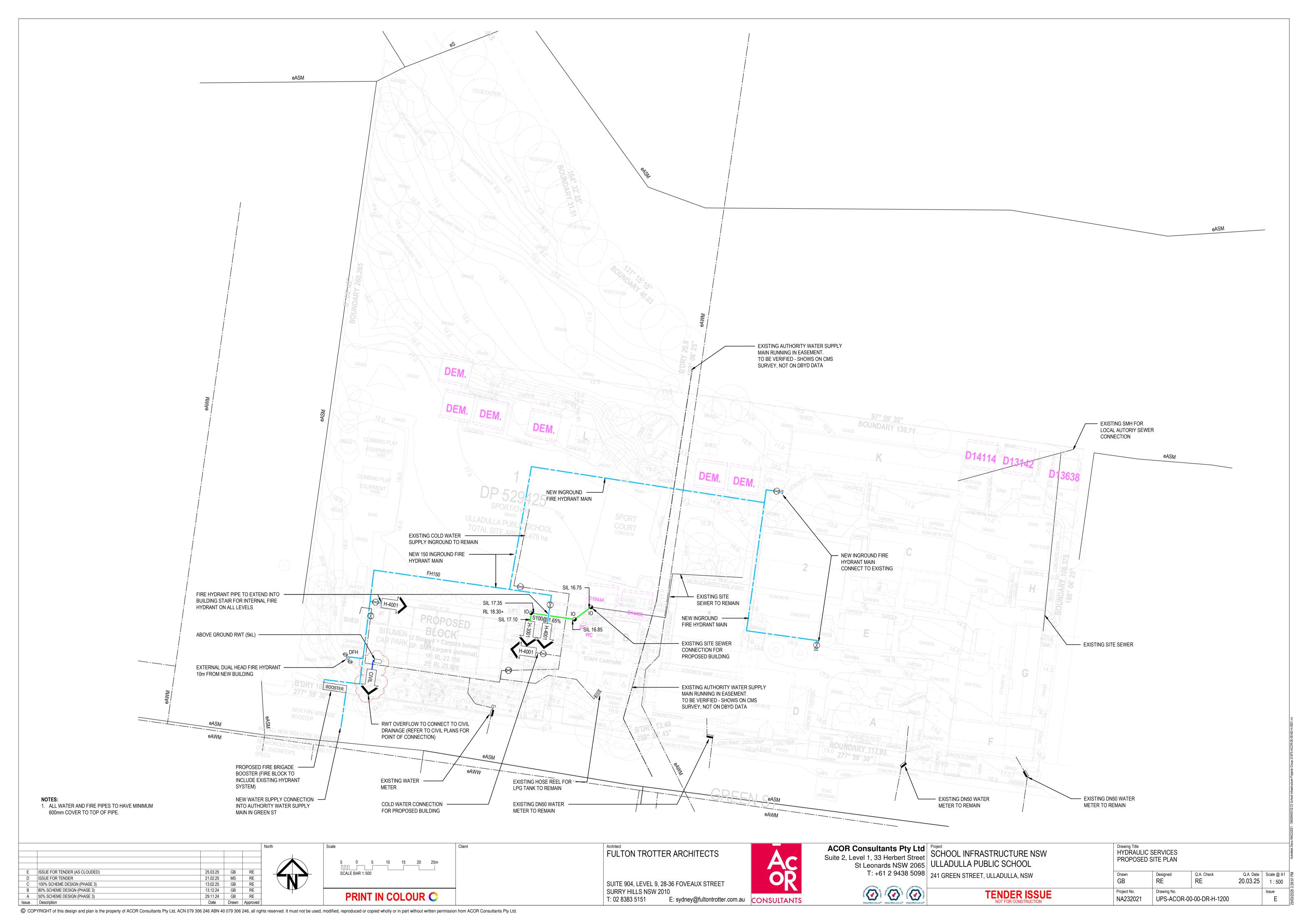
TR

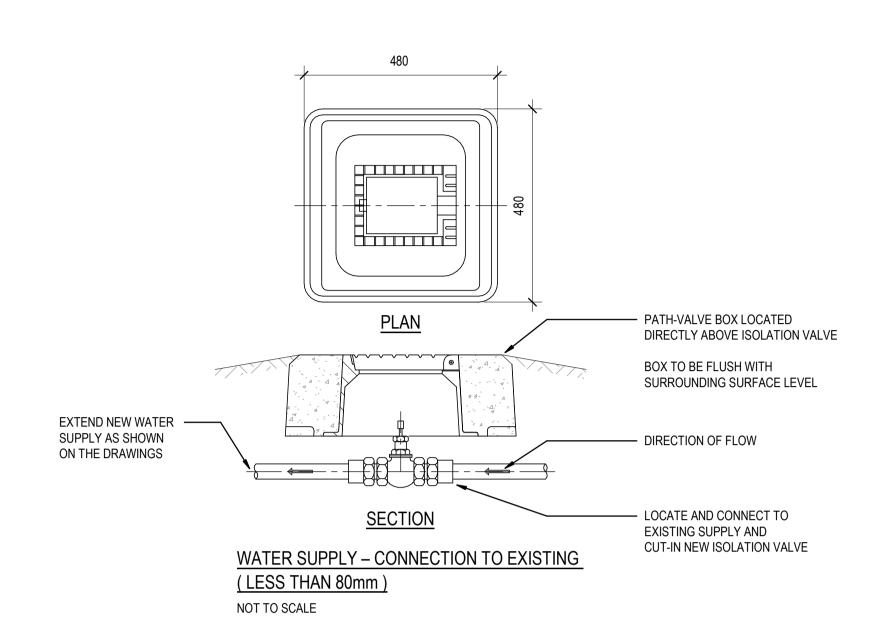
VENT WC WATER CLOSET

WATER METER

ACOR Consultants Pty Ltd
Suite 2, Level 1, 33 Herbert Street
SCHOOL INFRASTRUCTURE NSW **FULTON TROTTER ARCHITECTS** HYDRAULIC SERVICES LEGEND & GENERAL NOTES St Leonards NSW 2065 ULLADULLA PUBLIC SCHOOL T: +61 2 9438 5098 241 GREEN STREET, ULLADULLA, NSW E ISSUE FOR TENDER (AS CLOUDED) 25.03.25 GB Q.A. Check Q.A. Date | Scale @ A1 Designed D ISSUE FOR TENDER 21.02.25 MS GB RE 20.03.25 N.T.S SUITE 904. LEVEL 9. 28-36 FOVEAUX STREET 100% SCHEME DESIGN (PHASE 3) 13.02.25 GB B 80% SCHEME DESIGN (PHASE 3) 13.12.24 GB SURRY HILLS NSW 2010 **TENDER ISSUE** PRINT IN COLOUR C A 50% SCHEME DESIGN (PHASE 3) 29.11.24 GB NA232021 UPS-ACOR-00-00-DR-H-0001 T: 02 8383 5151 E: sydney@fultontrotter.com.au | CONSULTANTS Issue. Description

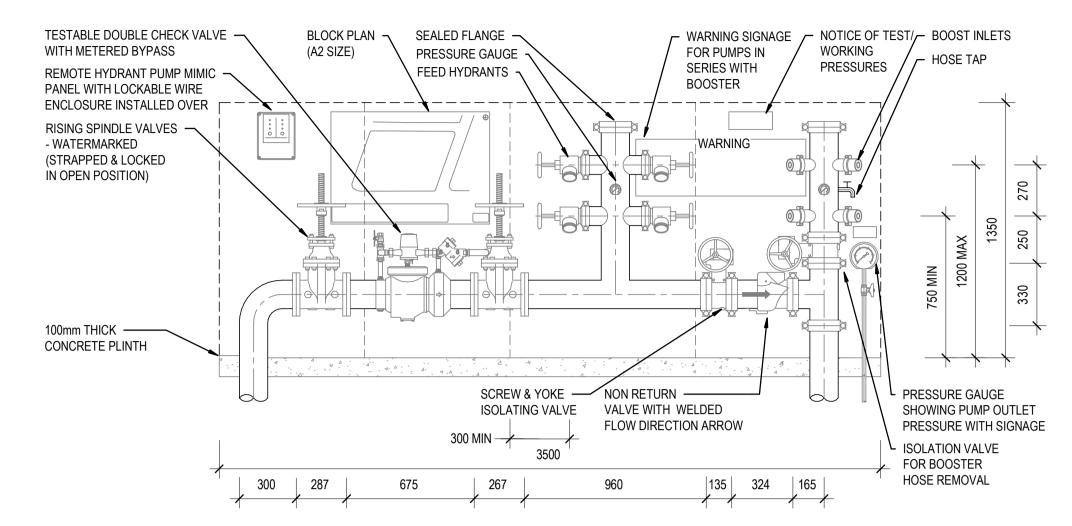




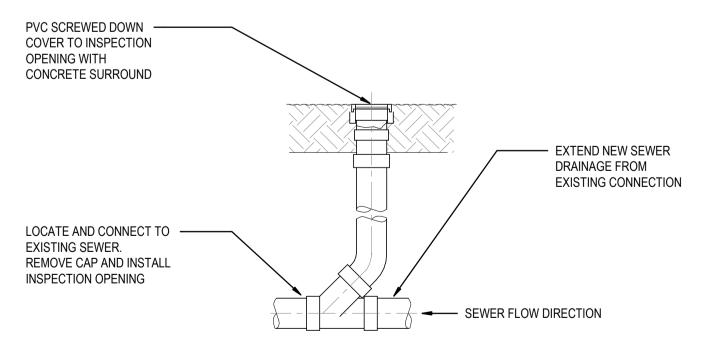


NOTES:

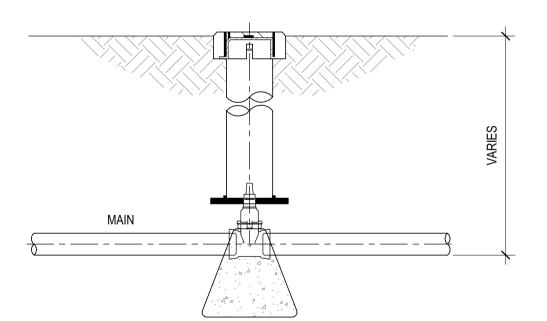
- 1. ENCLOSURE DIMENSIONS:
- 1350mm HIGH x 3500mm WIDE x 450mm DEEP
- 2. ENTIRE BOOSTER VALVE ARRANGEMENT IS TO BE INSTALLED IN ACCORDANCE WITH AS2419.1, AS2419.2 & AS2419.3
- 3. PROVIDE INSTALLATION DETAILS INCLUDING DIMENSIONS FOR APPROVAL PRIOR TO CONSTRUCTION
- 4. SUPPORTS NOT SHOWN
- 5 ALL FIRE HYDRANTS INSTALLED WITH STORTZ FITTING.



150mm FIRE HYDRANT BOOSTER VALVE WITH HORIZONTAL TESTABLE DOUBLE CHECK VALVE NOT TO SCALE

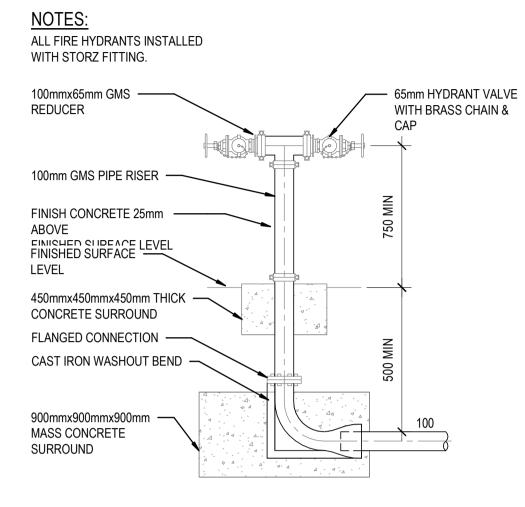


SEWER – CONNECTION TO EXISTING/INSPECTION OPENING



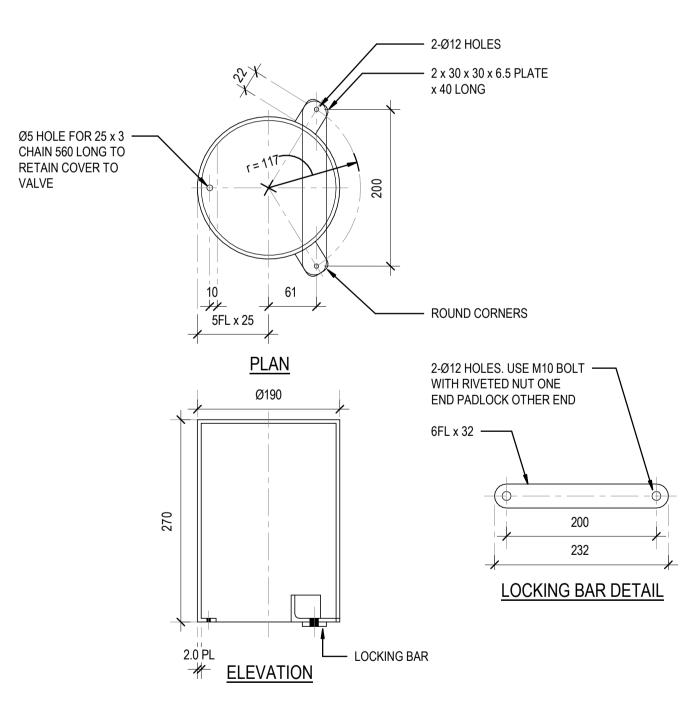
FIRE HYDRANT SUPPLY – CONNECTION TO EXISTING

N.T.S.



EXTERNAL DOUBLE HEADED FIRE HYDRANT

NOT TO SCALE



FIRE HYDRANT SECURITY COVER

					North	Scale	С
	ISSUE FOR TENDER	21.02.25	MS	RE			
С	100% SCHEME DESIGN (PHASE 3)	13.02.25	GB	RE			
В	80% SCHEME DESIGN (PHASE 3)	13.12.24	GB	RE			
Α	50% SCHEME DESIGN (PHASE 3)	29.11.24	GB	RE		PRINT IN COLOUR 🔘	
Issue.	Description	Date	Drawn	Approved			

FULTON TROTTER ARCHITECTS

SUITE 904, LEVEL 9, 28-36 FOVEAUX STREET SURRY HILLS NSW 2010 T: 02 8383 5151



Showing Shring to the state of the state of

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Suite 2, Level 1, 33 Herbert Street
St Leonards NSW 2065
T: +61 2 9438 5098

Project
SCHOOL INFRASTRUCTURE NSW
ULLADULLA PUBLIC SCHOOL
241 GREEN STREET, ULLADULLA, NSW

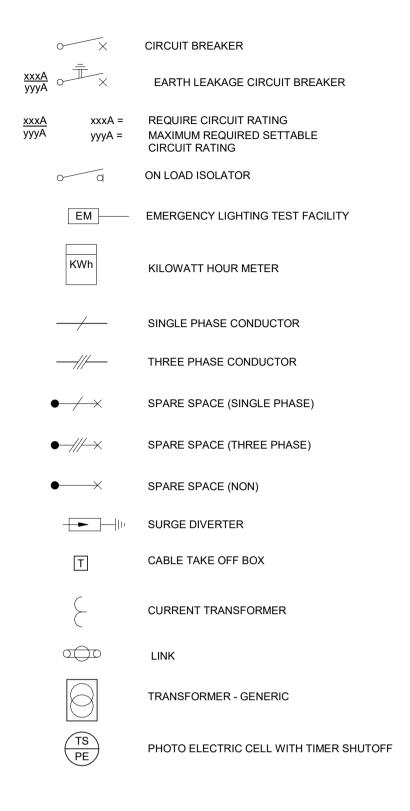
TENDER ISSUE
NOT FOR CONSTRUCTION

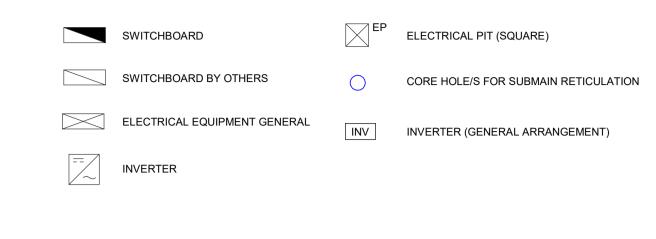
Drawing Title
HYDRAULIC SERVICES
DETAILS

Designed RE Q.A. Check Q.A. Date Scale @ A1 Drawn MS RE 21.02.25 N.T.S UPS-ACOR-00-00-DR-H-9000 NA232021

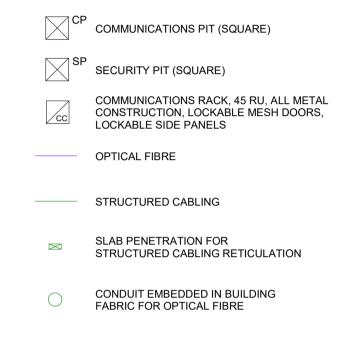
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ELECTRICAL SYMBOLS

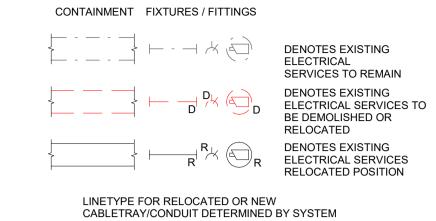




COMMUNICATIONS SYMBOLS



PHASING



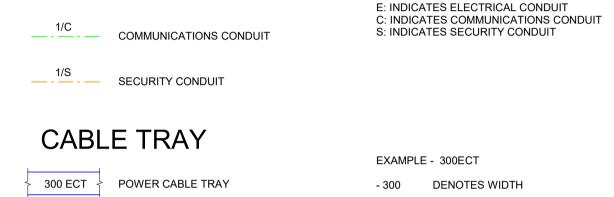
CONDUIT

____ 1/E ___ LOW VOLTAGE ELECTRICAL CONDUIT

300 CCT COMMUNICATIONS CABLE TRAY

POWER VERTICAL CABLE TRAY

COMMUNICATIONS VERTICAL CABLE TRAY



CONDUIT, SIZE AS INDICATE

1: INDICATES NUMBER OF CONDUITS

DENOTES SERVICE

CT = CABLE TRAY

CL = CABLE LADDERS

CB = CABLE BASKET

S = SECURITY

B = BMS

E = POWER C = COMMUNICATIONS

DENOTES CABLE CONTAINMENT TYPE

GENERAL NOTES

- ALL DIMENSIONS ARE IN MILLIMETERS.
- ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SERVICES SPECIFICATIONS.
- DO NOT SCALE FOR SIZING. REFER TO ARCHITECTURAL, MANUFACTURERS DOCUMENTATION AND SPECIFICATION FOR EXACT MEASUREMENTS.
- CONTRACTOR TO CONDUCT FULL SITE SURVEY TO CONFIRM EXACT LOCATIONS OF ALL EXISTING ELECTRICAL
- ALL WORKS ARE NEW UNLESS NOTED OTHERWISE.
- EACH CAPTIVE SCREW OUT SHALL BE ON A DEDICATED CIRCUIT. EACH PAIR OF OUTLETS PROVIDED TO A RACK SHALL BE ON THE SAME PHASE.
- THE CONTRACTOR IS TO REFER TO THE SSU BRIEF FOR THE SECURITY SCOPE AND TECHNICAL REQUIREMENTS.
- ALL NEW DATA CABLING IS TO MEET THE DOE STRUCTURED CABLING SYSTEM SPECIFICATION v1.4.
- THE CONTRACTOR IS TO REFER TO THE NSW PUBLIC SCHOOLS AUDIO-VISUAL STANDARDS FOR SCHOOL LEARNING DISPLAYS FOR AV SCOPE AND TECHNICAL REQUIREMENTS.

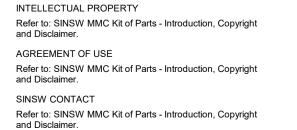
ABBREVIATIONS

DBPO DOUBLE GENERAL POWER OUTLET DOUBLE TELECOMMUNICATIONS OUTLET GENERAL POWER OUTLET (SINGLE) LED LIGHT EMITTING DIODE RU **RACK UNIT** STO SINGLE TELECOMMUNICATIONS OUTLET TELECOMMUNICATIONS OUTLET

WEATHER PROOF



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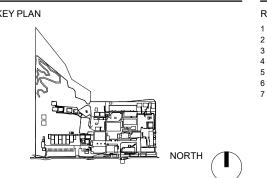
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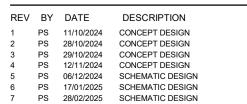
OF PARTS, NOTE THE FOLLOWING:











SINSW - ULLADULLA PUBLIC SCHOOL UPGRADE 758-0120.0041157.0001 241 GREEN ST, ULLADULLA NSW 2539

DRAWING TITLE

ELECTRICAL SERVICES

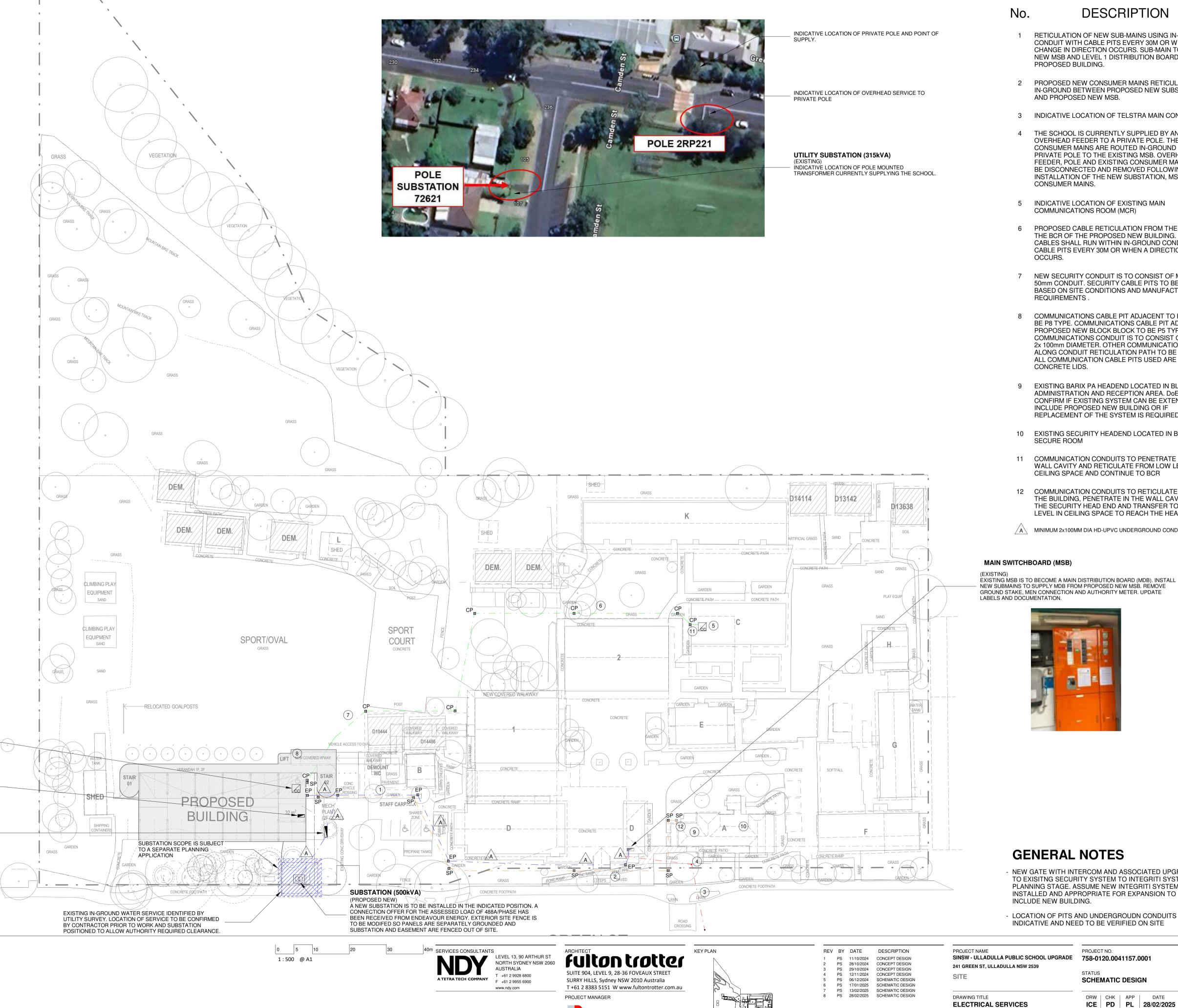
LEGEND & GENERAL NOTES

SCHEMATIC DESIGN

DRW | CHK | APP | DATE ICE | PD | PL | 28/02/2025 | 1:100 @A1

DRAWING NO. UPS-NDY-XX-XX-DR-E-000001





Education

R4000 TYP -

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School Infrastruture

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INTELLECTUAL PROPERTY

PADMOUNT FOOTING

OF ADJACENT FOOTING/S WHERE REQUIRED

PADMOUNT FOOTING

BOUNDARY

COMMERCIAL, HIGH DENSITY & INDUSTRIAL DEVELOPMENT ARRENGEMENT CAN BE FOR

OF PADMOUNT.

BUILDING COMMUNICATIONS ROOM (BCR)

ARRANGEMENT FOR DETAILS.

(PROPOSED NEW)

DISTRIBUTION BOARDS (DB)

SEE BLOCK M POWER AND COMMUNICATIONS

MAIN SWITCHBOARD (MSB)
A NEW EXTERNAL MSB IS TO BE INSTALLED IN THE

SUBSTATION. A CLEAR SPACE NO LESS THAN 1400

IS TO BE PROVIDED IN FRONT OF THE NEW MSB.

INDICATED LOCATION WITH NEW CONSUMER MAINS CONNECTING TO PROPOSED NEW

SEE BLOCK M LEVEL 2 POWER AND COMMUNICATIONS

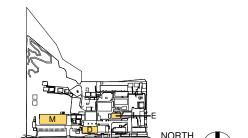
ARRANGEMENT FOR DETAILS. REFER TO BLOCK M GROUD FLOOR POWER AND COMMUNICATIONS PLAN FOR SUBMAINS

ENDEAVOUR ENERGY PADMOUNT SUBSTATION REQUIREMENTS

FOOTPATH ON EITHER LV OR HV SIDE

SINSW CONTACT Refer to: SINSW MMC Kit of Parts - Introduction, Copyright and Disclaimer.





SINSW - ULLADULLA PUBLIC SCHOOL UPGRADE 758-0120.0041157.0001 241 GREEN ST, ULLADULLA NSW 2539

SITE PLAN

NEW GATE WITH INTERCOM AND ASSOCIATED UPGRADE TO EXISITNG SECURITY SYSTEM TO INTEGRITI SYSTEM IN PLANNING STAGE. ASSUME NEW INTEGRITI SYSTEM

INSTALLED AND APPROPRIATE FOR EXPANSION TO

- LOCATION OF PITS AND UNDERGROUDN CONDUITS IS

PROJECT NO.

INDICATIVE AND NEED TO BE VERIFIED ON SITE

GENERAL NOTES

INCLUDE NEW BUILDING.

SCHEMATIC DESIGN

DESCRIPTION

1 RETICULATION OF NEW SUB-MAINS USING IN-GROUND CONDUIT WITH CABLE PITS EVERY 30M OR WHEN A CHANGE IN DIRECTION OCCURS. SUB-MAIN TO CONNECT NEW MSB AND LEVEL 1 DISTRIBUTION BOARD OF NEW

2 PROPOSED NEW CONSUMER MAINS RETICULATED

4 THE SCHOOL IS CURRENTLY SUPPLIED BY AN OVERHEAD FEEDER TO A PRIVATE POLE. THE

5 INDICATIVE LOCATION OF EXISTING MAIN COMMUNICATIONS ROOM (MCR)

IN-GROUND BETWEEN PROPOSED NEW SUBSTATION

CONSUMER MAINS ARE ROUTED IN-GROUND FROM THE

FEEDER, POLE AND EXISTING CONSUMER MAINS ARE TO

PRIVATE POLE TO THE EXISTING MSB. OVERHEAD

BE DISCONNECTED AND REMOVED FOLLOWING THE

INSTALLATION OF THE NEW SUBSTATION, MSB AND

6 PROPOSED CABLE RETICULATION FROM THE MCR TO THE BCR OF THE PROPOSED NEW BUILDING, NEW CABLES SHALL RUN WITHIN IN-GROUND CONDUIT WITH CABLE PITS EVERY 30M OR WHEN A DIRECTION CHANGE

NEW SECURITY CONDUIT IS TO CONSIST OF MINIMUM 2x 50mm CONDUIT. SECURITY CABLE PITS TO BE SIZED BASED ON SITE CONDITIONS AND MANUFACTURER

COMMUNICATIONS CABLE PIT ADJACENT TO BLOCK C TO BE P8 TYPE. COMMUNICATIONS CABLE PIT ADJACENT TO

COMMUNICATIONS CONDUIT IS TO CONSIST OF MINIMUM 2x 100mm DIAMETER. OTHER COMMUNICATIONS PITS ALONG CONDUIT RETICULATION PATH TO BE P6 TYPE. ALL COMMUNICATION CABLE PITS USED ARE TO HAVE

PROPOSED NEW BLOCK BLOCK TO BE P5 TYPE.

EXISTING BARIX PA HEADEND LOCATED IN BLOCK A ADMINISTRATION AND RECEPTION AREA. DoE TO CONFIRM IF EXISTING SYSTEM CAN BE EXTENDED TO

INCLUDE PROPOSED NEW BUILDING OR IF REPLACEMENT OF THE SYSTEM IS REQUIRED.

10 EXISTING SECURITY HEADEND LOCATED IN BLOCK A

11 COMMUNICATION CONDUITS TO PENETRATE IN THE

12 COMMUNICATION CONDUITS TO RETICULATE UNDER

A MINIMUM 2x100MM DIA HD-UPVC UNDERGROUND CONDUITS

CEILING SPACE AND CONTINUE TO BCR

WALL CAVITY AND RETICULATE FROM LOW LEVEL TO

THE BUILDING, PENETRATE IN THE WALL CAVITY NEAR

THE SECURITY HEAD END AND TRANSFER TO HIGH LEVEL IN CEILING SPACE TO REACH THE HEAD END

3 INDICATIVE LOCATION OF TELSTRA MAIN CONNECTION

PROPOSED BUILDING.

CONSUMER MAINS.

OCCURS.

REQUIREMENTS.

CONCRETE LIDS.

SECURE ROOM

AND PROPOSED NEW MSB.

DRW | CHK | APP | DATE ICE | PD | PL | 28/02/2025 | 1:500@A1

DRAWING NO. UPS-NDY-00-00-DR-E-001011