# MOOROOPNA COLLEGE - STAGE 1 & 2
# 4-6 MCLENNAN STREET, MOOROOPNA VIC 3629
## HYDRAULIC SERVICES

| SCHEDULE OF DRAWINGS | |
|---|---|
| DRAWING No. | DRAWING TITLE |
| HY-0000 | COVER SHEET, LEGEND, SYMBOLS AND SCHEDULE OF DRAWINGS |
| HY-0010 | SITE PLAN |
| HY-1000 | BLOCK C - GROUND FLOOR - DRAINAGE LAYOUT |
| HY-1010 | BLOCK C - ROOF - DRAINAGE LAYOUT |
| HY-1011 | BLOCK C - HIGH LEVEL PLAN - DRAINAGE LAYOUT |
| HY-1100 | BLOCK D - DRAINAGE LAYOUT |
| HY-2000 | BLOCK C - GROUND FLOOR - PRESSURE SERVICES LAYOUT |
| HY-9000 | TYPICAL DETAILS |

| TYPICAL WASTE OUTLET SIZE SCHEDULE | | |
|---|---|---|
| FIXTURE TYPE | ABBREV. | WASTE CONNECTION |
| BASIN | B | 40 WASTE TO SERVE BASIN |
| CLEANER'S SINK | CS | 50 WASTE TO SERVE CLEANER'S SINK |
| FLOOR WASTE | FWG | 100 TRAPPED WASTE TO SERVE FLOOR WASTE GULLY COMPLETE WITH STAINLESS STEEL GRATE |
| SINK | SK | 50 WASTE TO SERVE SINK |
| TUNDISH | TD | 65Ø x40 TUNDISH TRAPPED (U.N.O) |
| TUNDISH (IN WALL) | ITD | 32 WASTE TO SERVE TUNDISH (IN WALL) TO DISCHARGE VIA SINK TRAP |
| WATER CLOSET | WC | 100 WASTE TO SERVE WATER CLOSET |
| HOT WATER UNIT | HWU | 50 WASTE (HDPE) TO SERVE HOT WATER UNIT SAFETRAY WASTE |
| TUNDISH | TD* | 100x40 TUNDISH TO SERVE MECH/HWU RELIEF VALVE. NOTE: FWG TRAP TO BE PRIMED VIA TD* |
| TROUGH | TR | 50 WASTE TO SERVE TROUGH |

## PIPE SERVICES

- COLD WATER
- EXISTING COLD WATER
- HOT WATER
- HOT WATER RETURN
- WW — WARM WATER
- SD — SANITARY DRAINAGE
- eSD — EXISTING SANITARY PLUMBING
- SW — STORMWATER
- CD — CONDENSATE DRAIN
- OP — OVERFLOW PIPE
- VENT PIPE
- W — AUTHORITY WATER MAIN

## SYMBOLS

- ST 100 — FLOW TO ABOVE, SERVICE TYPE, SERVICE SIZE, FLOW TO BELOW
- ST 100 — SERVICE TYPE, SERVICE SIZE
- ST 100 — SERVICE TYPE (BY OTHERS), SERVICE SIZE (BY OTHERS)
- A — REVISION CLOUD, AMENDMENT TRIANGLE
- LEADER: HORIZONTAL
- LEADER: ARC
- LINE BREAK
- PIPE BREAK
- A H01 — SECTION NUMBER, DRAWING NUMBER FOR LOCATION OF SECTION
- D1 H01 DETAIL NOT TO SCALE — DETAIL NUMBER, DRAWING NUMBER FOR LOCATION OF DETAIL
- PENETRATING PIPE
- PIPE NOT PENETRATING SLAB
- OFFSET PENETRATING SLAB
- OFFSET NOT PENETRATING SLAB
- TEE DROPPER PENETRATING SLAB
- TEE DROPPER NOT PENETRATING SLAB
- OFFSET IN WALL
- PIPE BREAK
- PIPEWORK TERMINATION
- CAPPED OFF SERVICE
- UNION
- STRAINER
- CONNECT TO EXISTING PIPE
- SERVICE CONNECTION
- REDUCER
- FLOW DIRECTION
- FLOW DIRECTION
- FLOW DIRECTION
- PIPEWORK CONTINUES TO FIXTURES
- CONTINUATION
- PIPE THROUGH BEAM
- A P — CEILING ACCESS PANEL
- CAST IN SLAB
- STOP VALVE
- VALVE IN PATHBOX
- REFLUX VALVE
- NON RETURN (CHECK VALVE)
- DOUBLE CHECK VALVE
- GATE VALVE
- FLAP VALVE
- TMV — THERMOSTATIC MIXING VALVE
- PRESSURE RELIEF VALVE
- RPZD — REDUCED PRESSURE ZONE DEVICE
- TAP SET
- HT — HOSE TAP
- WATER METER
- WATER FILTER
- BWU — BOILING WATER UNIT
- TD — TUNDISH NOT PENETRATING SLAB
- TD — TUNDISH PENETRATING SLAB
- FW — FLOOR WASTE
- BOUNDARY TRAP
- IPMF — INDUCT PIPE MICA FLAP
- OVERFLOW GULLY
- CO — CLEAR OUT
- IO — INSPECTION OPENING
- RWH — RAINWATER HEAD
- SPREADER
- OF — OVERFLOW
- AIR ADMITTANCE VALVE
- HWU — HOT WATER UNIT

## ABBREVIATIONS

| | |
|---|---|
| AAV | AIR ADMITTANCE VALVE |
| AC | ASBESTOS CEMENT |
| AP | ACCESS PANEL |
| B | BASIN / VANITY BASIN / HANDBASIN |
| BL | BUILDING LINE |
| BT | BOUNDARY TRAP |
| BWU | BOILING WATER UNIT |
| CD | CONDENSATE DRAIN |
| CI | CAST IRON |
| CIB | CAST IRON BOX |
| CO | CLEAROUT |
| CS | CLEANERS SINK |
| Cu | COPPER |
| CV | CHECK VALVE |
| CW | COLD WATER |
| DCV | DOUBLE CHECK VALVE |
| DICL | DUCTILE IRON CEMENT LINED |
| Ø | DIAMETER |
| DIM | DIMENSION |
| DN | NOMINAL DIAMETER |
| DP | DOWNPIPE |
| DWG NO. | DRAWING NUMBER |
| EX or e | EXISTING |
| FD | FLOOR DRAIN |
| FFL | FINISHED FLOOR LEVEL |
| FL | FLOOR LEVEL |
| FU | FIXTURE UNIT |
| FV | FLAP VALVE |
| FWG | FLOOR WASTE GULLY |
| GL | GROUND LEVEL |
| GV | GATE VALVE |
| HL | HIGH LEVEL |
| HT | HOSE TAP |
| HW | HOT WATER |
| HWR | HOT WATER RETURN |
| HWU | HOT WATER UNIT |
| IO | INSPECTION OPENING |
| IOS | INSPECTION OPENING TO SURFACE |
| IV | ISOLATING VALVE |
| kPa | KILOPASCALS |
| kW | KILOWATTS |
| L | LITRES |
| LL | LOW LEVEL |
| L/s | LITRES PER SECOND |
| m | METRES |
| m/h | METRES HEAD |
| m/s | METRES PER SECOND |
| mm | MILLIMETRES |
| OF | OVERFLOW |
| ORG | OVERFLOW RELIEF GULLY |
| Pa | PASCAL |
| PB | POLYBUTYLENE |
| PE | POLYETHYLENE |
| PPR | POLYPROPYLENE |
| PV | PATH VALVE |
| PVC | UNPLASTICIZED POLYVINYL CHLORIDE |
| RFV | REFLUX VALVE |
| RH | RAINHEAD |
| S | SEWER |
| SD | SEWER DRAINAGE |
| SFL | STRUCTURAL FLOOR LEVEL |
| SK | SINK |
| SL | SURFACE LEVEL |
| SMH | SEWER MANHOLE |
| S/S | STAINLESS STEEL |
| SV | STOP VALVE |
| SW | STORMWATER |
| TD | TUNDISH |
| TTD | TRAPPED TUNDISH |
| TMV | THERMOSTATIC MIXING VALVE |
| TR | TROUGH |
| TV | TEMPERING VALVE |
| U/S | UNDERSIDE |
| VAB | VACUUM AIR BREAKER |
| VCP | VITRIFIED CLAY PIPE |
| VP | VENT PIPE |
| WC | WATER CLOSET |
| WL | WATER LEVEL |
| WM | WATER METER |
| WT | WATERLESS TRAP |
| WW | WARM WATER |



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|---|---|---|---|
| 0 | 06.05.25 | TENDER ISSUE | JH |

XREF LINKS

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PROJECT
**MOOROOPNA COLLEGE STAGE 1 & 2 4-6 MCLENNAN STREET, MOOROOPNA VIC 3629**

DRAWING TITLE
**HYDRAULIC SERVICES**
**COVER SHEET, LEGEND, SYMBOLS AND SCHEDULE OF DRAWINGS**

NORTH POINT

REVISION **0**

DRAWN | **JH**
DESIGNED | **EC**
CHECKED | **SL**

SCALE at A1
**NTS**

PROJECT No.
**SYD25087**

DRAWING No.
**HY-0000**