

FIRE GENERAL NOTES

FIRE SERVICE NOTES

GENERAL

- THESE NOTES SHALL BE READ IN CONJUNCTION WITH ANY OTHER NOTES WITH THIS DRAWING SET AND SPECIFICATION.
- ALL WORKS TO BE IN ACCORDANCE WITH
 - BUILDING CODE OF AUSTRALIA
 - LOCAL BUILDING AUTHORITY REQUIREMENTS
 - NATIONAL PLUMBING CODE
 - LOCAL WATER AUTHORITY REQUIREMENTS
 - RELEVANT AUSTRALIAN STANDARDS INCLUDING BUT NOT LIMITED TO AS2118.1, AS2419.1, AS2444, AS2441.
 - LOCAL FIRE BRIGADE AUTHORITY REQUIREMENTS
 - FIRE SAFETY ENGINEERING REQUIREMENT OUTLINED IN THE FER
 - REGULATION R129 OUTCOMES
- ALL WORKS ARE TO BE UNDERTAKEN BY A SUITABILITY LICENSED AND QUALIFIED CONTRACTOR WITH EXPERIENCE IN THE TYPE OF WORK.
- ALL DIMENSIONS AND PIPE SIZES ARE IN MILLIMETRE UNLESS OTHERWISE NOTED.
- AUTHORITY APPLICATIONS, CONFIRMATION OF WATER SUPPLY, PERMITS, APPROVALS AND CERTIFICATES TO BE OBTAINED FROM THE RELEVANT AUTHORITIES.
- FEES AND CONTRIBUTIONS TO BE PAID TO RELEVANT AUTHORITIES.
- ALL FITTINGS, PIPEWORK, AND OTHER FIRE EQUIPMENT TO BE NEW AND FINISH TO BE APPROVED BY THE ARCHITECT.
- CONTRACTOR TO VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCEMENT OF ANY WORKS.

FIRE PROTECTION TESTING AND COMMISSIONING

- HYDROSTATIC AND FLOW TEST TO BE PERFORMED ON EXISTING SYSTEMS BEFORE COMMENCEMENT OF WORKS.
- HYDROSTATIC AND FLOW TEST TO BE ALSO PERFORMED PRIOR TO PRACTICAL COMPLETION WITH RESULTS PROVIDED FOR REVIEW.
- TEST ALL INSTALLED FIRE SYSTEM WITH ADEQUATE TIME TO PERFORM RECTIFICATION WORKS BEFORE PRACTICAL COMPLETION.
- ALL FIRE SERVICE EQUIPMENT TO BE COORDINATED WITH OTHER SERVICES PRIOR TO INSTALLATION.
- PLUMBING CERTIFICATE, INSTALLERS STATEMENT AND THRID PARTY CERTIFICATION TO BE ISSUED BEFORE DATE OF PRACTICAL COMPLETION.
- FIRE CONTRACTOR TO PROVIDE HYDRAULICS CALCULATIONS TO CONFIRM SHOP DRAWING FIRE SYSTEM CONFIGURATION MEET THE AUSTRALIAN STANDARD AND BUILDING CODE OF AUSTRALIA REQUIREMENTS.
- OPERATIONS AND MAINTENANCE MANUALS TO BE PROVIDED AND TO INCLUDE ALL THE RELEVANT INFORMATION.
- FULLY COORDINATED SHOP DRAWINGS TO BE PROVIDED BASED ON THE LATEST ARCHITECTURAL, STRUCTURAL AND OTHER EXISTING AND NEW BUILDING SERVICES.
- PROVISION TO BE MADE FOR CHANGE IN WATER SUPPLY AVAILABILITY IN THE TOWNS MAIN THAT MAY OCCUR ACROSS PROJECT INCEPTION TO COMPLETION.
- INCLUDE ALL NECESSARY FINAL COMMISSIONING PROVING TESTS OF ALL NEW AND EXISTING FIRE SYSTEMS.
- PROVIDE WARRANTY AND WARRANTY INFORMATION FOR ALL NEW WORKS, EQUIPMENT, AND INSTALLATION.

FIRE SPRINKLERS

- FIRE PROTECTION CONTRACTOR TO SUPPLY AND INSTALL AN AUTOMATIC FIRE SPRINKLER SYSTEM IN ACCORDANCE WITH THESE DESIGN DRAWINGS. WHERE ANY DISCREPANCY OCCURS BETWEEN THE DRAWINGS AND SPECIFICATION. THE SPECIFICATION SHALL TAKE PRIORITY.
- SPRINKLER SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH AS2118.1
- SPRINKLER PIPEWORK AND SPRINKLER HEADS TO BE COORDINATED WITH ARCHITECTURE, STRUCTURE, AND OTHER BUILDING SERVICES.
- SPRINKLER TO BE FAST RESPONSE WITH A RTI OF 50.
- CEILING SPACE SPRINKLERS TO BE PROVIDED THROUGHOUT ALL SPACES AS REQUIRED BY AS2118.1
- ALL NEW FIRE SERVICE EQUIPMENT TO BE EQUAL OR COMPATIBLE TO ANY EXISTING FIRE SERVICE EQUIPMENT.
- REMOTE TEST VALVE TO BE PROVIDED FOR TESTING PURPOSES.
- TEST DRAIN TO BE PROVIDED CAPABLE OF ACCOMMODATING FOR FULL TEST FLOWS.
- ALL EXPOSED SPRINKLER PIPEWORK SHALL BE PAINTED. ALL PIPEWORK TO BE TOUCHED UP SHOULD ANY DAMAGE OCCUR DURING INSTALLATION. APPEARANCE OF THE PIPEWORK TO BE OF THE SATISFACTION OF THE PROJECT MANAGER OR THEIR AUTHORISED REPRESENTATIVE
- FIRE SPRINKLER LAYOUT SHOWN INDICATIVELY ONLY FINAL COORDINATION OF THE SPRINKLER LAYOUT IS THE RESPONSIBILITY OF THE FIRE CONTRACTOR. THE FIRE CONTRACTOR TO DEVELOP THE DESIGN DETAILS AND DOCUMENTATION.

LEGEND OF SYMBOLS

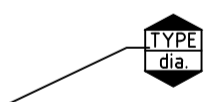
PIPEWORK

- | | |
|--|--|
| | NEW FIRE SERVICE PIPEWORK. |
| | NEW SPRINKLER SERVICE PIPEWORK |
| | EXISTING FIRE SERVICE |
| | NEW WATER AUTHORITY WATER MAIN |
| | AUTHORITY WATER MAIN |
| | FIRE HYDRANT AND SPRINKLER BOOSTER ASSEMBLY. REFER DETAIL |
| | SPRINKLER CONTROL VALVE ASSEMBLY |
| | IN GROUND SLUICE VALVE. PROVIDE TRAFFICABLE COVER |
| | FIRE SERVICE PUMP (DIAGRAMATIC) |
| | FIRE TANK
-A: DESIGNATION
-XXX: EFFECTIVE CAPACITY IN L |
| | SLUICE VALVE FOR FIRE HOSE REELS - VALVE SHOULD BE SECURED IN THE OPEN POSITION BY A PADLOCKED CHAIN AND LABELED AS "FIRE SERVICE VALVE. CLOSE ONLY TO SERVICE FIRE HOSE REELS". PROVIDE TRAFFICABLE COVER |
| | SLUICE VALVE FOR DRENCHERS - VALVE SHOULD BE SECURED IN THE OPEN POSITION BY A PADLOCKED CHAIN AND LABELED AS "FIRE SERVICE VALVE. CLOSE ONLY TO ISOLATE DRENCHERS". PROVIDE TRAFFICABLE COVER |
| | FIRE PUMP ASSEMBLY |
| | FIRE HYDRANT BOOSTER ASSEMBLY |
| | FIRE HOSE REEL. REFER TO DETAIL |
| | DUAL HEAD FIRE HYDRANT |
| | SINGLE HEAD FIRE HYDRANT |
| | SEMI RECESSED FIRE SPRINKLER HEAD |
| | CONCEALED FIRE SPRINKLER HEAD |
| | FIRE SPRINKLER HEAD INSTALLED ON EXPOSED PIPEWORK |
| | FLUSH PLATE SPRINKLER HEAD |
| | FLUSH SIDE THROW SPRINKLER HEAD |
| | SIDE THROW FIRE SPRINKLER HEAD |
| | SIDE THROW FIRE SPRINKLER HEAD C/W WIRE GUARD |
| | PENDANT FIRE SPRINKLER HEAD C/W PROTECTIVE COVER (WIRE GUARD) |
| | FIRE SERVICE MONITORING VALVE |
| | REMOTE TEST VALVE |
| | FIRE SYSTEM FLOW SWITCH |
| | PRESSURE REDUCING VALVE |
| | PORTABLE FIRE EXTINGUISHER. REFER TO NATIONAL CONSTRUCTION CODE FOR TYPE & SIZE |
| | FIRE BLANKET |
| | BACKFLOW PREVENTOR |
| | FIRE SERVICE RISER |



- TYPE:
- FSR: FIRE SERVICES RISER
 - SPK: SPRINKLER RISER
 - D: FIRE DRAIN RISER

dia: PIPE DIAMETER (IN MILLIMETERS)



Rev.	Remark/Comment	Date:	Appr.
3	CONSTRUCTION ISSUE	23.02.22	
2	CONSTRUCTION ISSUE	05.03.21	
1	CONSTRUCTION ISSUE	03.02.21	
B	PRELIMINARY ISSUE	24.11.20	
A	PRELIMINARY ISSUE	16.10.20	

Client:
BORAT NO.3 PTY LTD

Architect:
TOM ROBERTSON ARCHITECTS



Project:
**1 STEWART STREET BRUNSWICK
1 STEWART STREET
BRUNSWICK VIC 3056**

Drawing:
**FIRE SERVICES
LEGEND**

THIS DRAWING HAS BEEN DOCUMENTED IN COLOR AND MUST BE PRINTED IN COLOR, OTHERWISE INFORMATION WILL BE LOST

CONSTRUCTION

Date:	06.10.2020	Engineer:	J.B	Drawn:	I.C
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