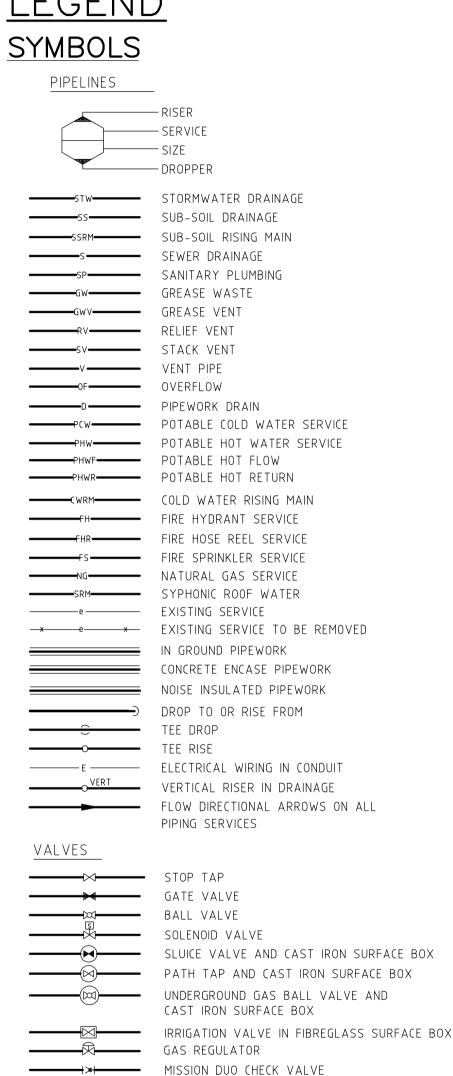
JUSTINIAN HOUSE REDEVELOPMENT 18 - 22 Sinclair Street - Wollstonecraft NSW 2065 STORMWATER SERVICES CONCEPT PLAN





SWING CHECK VALVE IN WATER PIPELINES

REFLUX VALVE IN DRAINAGE PIPELINES

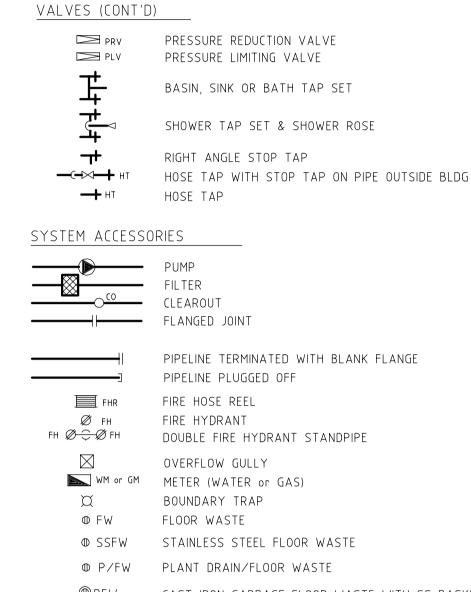
STAD VALVE

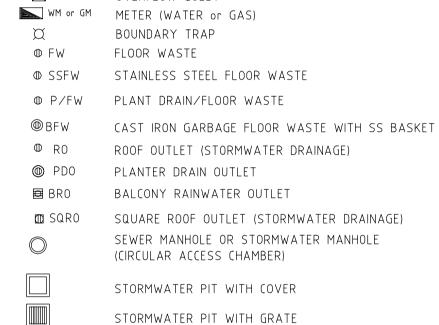
STAF VALVE

REDUCED PRESSURE ZONE DEVICE

SWING CHECK VALVE WITH 3mm ^HOLE IN FLAP

SYMBOLS





PUMP ELECTRICAL CONTROL PANEL

ABBREVIATIONS

SANITA	ARY PLUMBING AND DRAINAGE
ВТ	BOUNDARY TRAP
BV	BRANCH VENT PIPE
CO	CLEAROUT
BR0	BALCONY RAINWATER OUTLET
DP	DOWNPIPE
DST	DRAINAGE STACK
DTU	DRAINAGE TURN UP
GTL GO	GAS TIGHT LID GUTTER OUTLET
HWH	HOT WATER HEATER
HD	HEAVY DUTY COVER OR GRATE WITH FRAME CLASS D (GAS TIGHT FOR SEWERAGE SYSTEMS) CONFORMING TO AS 3996-1992.
10	INSPECTION OPENING
IPMF	INDUCT PIPE MICA FLAP.
LTG	LONGITUDINAL TRENCH GRATE
MD	MEDIUM DUTY COVER OR GRATE WITH FRAME CLASS C (GAS TIGHT FOR SEWERAGE SYSTEMS) CONFORMING TO AS 3996-1992.
OG	OVERFLOW GULLY
OF	OVERFLOW
PST	PROVISIONAL STACK
RO	RAINWATER OUTLET
RV	RELIEF VENT
SRM	SEWER RISING MAIN
SSRM	SUB-SOIL RISING MAIN
STWRM	STORMWATER RISING MAIN
SST	SOIL STACK

STACK VENT

WASTE PIPE

SYPHONIC

WASTE STACK

SEWER MANHOLE

SYPHONIC OUTLET

SPOON DRAIN OUTLET

SYPHONIC ROOF WATER

VP VENT PIPE

SRW

SYPH

STORMWATER PIT

VALVES BALL VALVE (GAS) CHECK VALVE DUAL CHECK VALVE FIRE HYDRANT VALVE GAS BAYONET VALVE (WALL OR FLOOR MOUNTED) GAS COOK TOP VALVE GATE VALVE PRESSURE LIMITING VALVE PRESSURE REDUCTION VALVE REDUCED PRESSURE ZONE DEVICE REFLUX VALVE TEMPERING VALVE THERMOSTATIC MIXING VALVE TEMPERATURE & PRESSURE RELIEF VALVE RIGHT ANGLE STOP TAP

BREECHED HOSE TAP

PLANTER HOSE TAP RECESSED STOP TAP

HOSE TAP

STOP TAP

ABBREVIATIONS

WAILK FIF	ING SYSTEMS
PCW	COLD WATER (POTABLE)
D	DRAIN
HW	HOT WATER
HWF	HOT WATER FLOW
HWR	HOT WATER RETURN
R	RELIEF
PHWF	PRIMARY HOT WATER FLOW
PHWR	PRIMARY HOT WATER RETURN
RWR	RAINWATER RE-USE
THW	TEMPERED HOT WATER
FIXTURES 8	3 FITTINGS
В	BASIN
BFW	BASKET FLOOR WASTE
Bth	ВАТН
BWU	BOILING WATER UNIT
DWM	DISHWASHING MACHINE
DB	DISABLED BASIN

3FW	BASKET FLOOR WASTE
3th	BATH
BWU	BOILING WATER UNIT
NWM	DISHWASHING MACHINE
DΒ	DISABLED BASIN
) W C	DISABLED WATER CLOSET
SHR	DISABLED SHOWER
HR	FIRE HOSE REEL
W	FLOOR WASTE
icv	GAS COOK TOP VALVE
īFW	GARBAGE FLOOR WASTE
HWU	HOT WATER UNIT
<s< td=""><td>KITCHEN SINK</td></s<>	KITCHEN SINK
PL/FW	PLANT DRAIN/FLOOR WASTE
	SINK
SBth	SPA BATH
Shr	SHOWER
Γ	TUB
ΓD	TUNDISH
TD-A/C	TUNDISH FOR AIR CONDITIONING UNIT
TTD	TRAPPED TUNDISH
ΓΜV	THERMOSTATIC MIXING VALVE
√B	VANITY BASIN

WATER CLOSET

WASHING MACHINE

FIRE PROTECTION PIPING SYSTEMS FIRE HYDRANT FIRE HOSE REEL FIRE SPRINKLER DIESEL EXHAUST

ABBREVIATIONS

MATERIAL	<u>_S</u>
Br	BRASS
Cl	CAST IRON
CICL	CAST IRON CEMENT LINED
CONC	CONCRETE
CP	CHROMIUM PLATED
Cu	COPPER
DICL	DUCTILE IRON CEMENT LINED
FRC	FIBRE REINFORCED CEMENT
GMS	GALVANISED MILD STEEL
PE	POLYETHYLENE
RC	REINFORCED CONCRETE
RCP	REINFORCED CONCRETE PIPE
RHS	RECTANGULAR HOLLOW SECTION
SS	STAINLESS STEEL

SS	STAINLESS STEEL	
LEVELS	_	
CL	CEILING LEVEL	
FFL	FINISHED FLOOR LEVEL	
GL	GROUND LEVEL	
HL	HIGH LEVEL	
IL	INVERT LEVEL	
LL	LOW LEVEL	
ML	MID LEVEL	
RL	REDUCED LEVEL	
US	UNDERSIDE	
USFL	UNDERSIDE FLOOR	
TK	TOP OF KERB	
U/S	UNDERSIDE	
MISCELLANEOUS		

ABOVE

A/B

AIR CONDITIONING BELOW PLANTER CENTRE LINE CAST IN COLUMN CAST IN SLAB DIAMETER DIA DRG DRAWING EXISTING EΧ FALL PIPELINE FALL GRD MULTI PART COVER MPG MULTI PART GRATE NTS NOT TO SCALE SQ SQUARE UNLESS NOTED OTHERWISE VERT PUMP ELECTRICAL CONTROL PANEL PIPE SIZE VARIES (REFER TO DIAGRAMMATICS) HIGH LEVEL

AIR HANDLING UNIT

DRAWING LIST

3136-HDA-01	TITLE SHEET, DRAWING LIST & LEGEND
3136-HDA-02	SITE PLAN STORMWATER CONCEPT PLAN
3136-HDA-03	LEVEL B2 (IN-GROUND) STORMWATER CONCEPT PLAN
3136-HDA-04	LEVEL B1 STORMWATER CONCEPT PLAN
3136-HDA-05	LEVEL 1 STORMWATER CONCEPT PLAN
3136-HDA-06	LEVEL 2 STORMWATER CONCEPT PLAN
3136-HDA-07	LEVEL 3 STORMWATER CONCEPT PLAN
3136-HDA-08	LEVEL 4 STORMWATER CONCEPT PLAN
3136-HDA-09	ROOF PLAN STORMWATER CONCEPT PLAN



Architects

Daryl Jackson Robin Dyke Pty Ltd

64 Rose Street Chippendale NSW 2008

Warren Smith & Partners Pty Ltd T 02 9299 1312 F 02 9290 1295 E wsp@warrensmith.com.au

Consulting Engineers

SERVING THE CONSTRUCTION INDUSTRY SINCE 1981



MAJOR PROJECT APPLICATION TITLE SHEET, LEGEND AND **DRAWINGS LIST** OCTOBER 2007 HDA-01 07-3136

Plot Date: 08 November, 2007 10:40:53 AM

Hydraulic Services | Civil Engineering | Fire Protection | Sydney Water Accredited • Water Servicing Co-ordinator • Design and Project Management