PIPEWORK SERVICES

DRENCHER	D
SEWER / SANITARY	
COLD WATER	
GAS	
FIRE SERVICE	
DRAINAGE VENT	
HOT WATER FLOW	
HOT WATER RETURN	
FIRE SPRINKLER SERVICE	SP
TRADE WASTE	
STORMWATER	
WARM WATER FLOW	WWF
WARM WATER RETURN	WWR
SUB SOIL	/
FIRE HYDRANT	FH
FHR	FHR
NON POTABLE WATER	NP
PUMP DISCHARGE	PD
PUMP SUCTION	PS
COMMON COLD WATER SERVICE	CWS
SEWER RISING MAIN	SRM
SUB SOIL RISING MAIN	RM
DIESEL EXHAUST	DE
RECYCLED COLD WATER	RCW
SOLAR HOT WATER FLOW	SHWF
SOLAR HOT WATER RETURN	SHWR
WATER MAIN	W
GAS MAIN	G
SEWER MAIN	S
EXISTING COLD WATER	ecw
EXISTING HOT WATER	ehw
EXISTING FIRE HYDRANT	efh
EXISTING FHR	efhr
EXISTING WARM WATER	eww
EXISTING STORM WATER	esw
EXISTING SUBSOIL	ess
EXISTING GAS	eg
EXISTING VENT	ev
EXISTING SEWER	es
EXISTING SEWER DISUSED	X es
EXISTING SW DISUSED	X esw
EXISTING GAS DISUSED	X eg
EXISTING CW DISUSED	X ecw

MISCELLANEOUS LINE TYPES

ELECTRICAL	E
TELECOM	T
OTHER	O
WINDOW DRENCHER	D

SYMBOLS

	FLANGED JOINT
TD	TUNDISH
P	PRESSURE SWITCH
RRV	RATIO REDUCTION VALVE
PRV	PRESSURE REDUCTION VALVE
T	THERMOSTATIC MIXING VALVE
TV	TEMPERING VALVE
WM	WATER METER
CWM	COLD WATER METER
HWM	HOT WATER METER
GM	GAS METER
	LOOSE JUMPER CONTROL VALVE
	CHECK VALVE OR NON RETURN VALVE
	DOUBLE CHECK VALVE
	REDUCED PRESSURE ZONE DEVICE
AAV	AIR ADMITTANCE VALVE
	BALL VALVE
	GATE
	BALANCING VALVE
	FLOAT VALVE
	AIR RELIEF VALVE
S	SOLENOID VALVE
M	MONITORING VALVE
	OVER PRESSURE SHUT OFF VALVE
	REFLUX VALVE
	STRAINER
X	VALVE AND CAST IRON SURFACE BOX
	EXPANSION JOINT
	HYDRANT BOOSTER VALVE ASSEMBLY
FHR	FIRE HOSE REEL
	FIRE HYDRANT
	STREET FIRE HYDRANT
	DOUBLE PILLAR FIRE HYDRANT
	PORTABLE FIRE EXTINGUISHER - FOAM
	PORTABLE FIRE EXTINGUISHER CARBON DIOXIDE (CO2)
FB	FIRE BLANKET
	FLOW DIRECTION
	CAPPED END
ecw ecw	CONNECTION TO EXISTING SERVICE
	PIPE RISER
	PIPE DROPPER

SYMBOLS CONT.

	SUMP
	INSPECTION PIT
SWP RL IL	GRATED STORMWATER PIT
	STORMWATER PIT WITH SEALED LID
KIP RL IL	KERB INLET PIT
	GRATED DRAIN
SMH	SEWER MANHOLE
	DRINKING FOUNTAIN
	CONTROL PANEL
CP	CONTROL PANEL (BY OTHERS)
CPI	COALESCING PLATE INTERCEPTOR
H...	CONTINUED ON DRAWING NO.
	OVERLAND FLOW PATH
RL 31.80	RELATIVE LEVEL
+ RL 51.440	PROPOSED LEVEL
	PUMP
GB	GAS BAYONET
HT	HOSE TAP
	TAP
BO	BALCONY OUTLET
RWO	RAINWATER OUTLET
FW	FLOOR WASTE
PD	PLANTER DRAIN
CO	CLEAROUT
BT	BOUNDARY TRAP
IS	INSPECTION SHAFT
BA	BASKET ARRESTOR (BUCKET TRAP FLOOR WASTE)
OFG	OVERFLOW GULLY
OF RWH	RAIN WATER HEAD
OF	OVERFLOW
25L HWU	25L HWU
50L HWU	50L HWU
	DUAL PUMPS
	CW PUMP ARRANGEMENT
	GREASE ARRESTOR
S	ZIP FLUSH MASTER

MISCELLANEOUS SYMBOLS

-- / --	SERVICE / PIPE SIZE
RL 31.80	RELATIVE LEVEL
Q= L/s	QUANTITY IN LITRES PER SECOND
FU 588	FIXTURE UNIT / FIXTURE No
A / H**	DETAIL No or Letter / DRAWING No on which the detail is shown
	WALL PENETRATION

FIXTURES & FITTINGS ABBREVIATIONS

AT	AUTOPSY TABLE
B	BATH
BAR SK	BAR SINK
BPS	BED PAN STERILISER
BID	BIDET
BWU	BOILING WATER UNIT
CS	CLEANERS SINK
CUS	CUSPIDOR
DF	DRINKING FOUNTAIN
DTU	DRAINAGE TURN UP
DW	DISHWASHER
FC	FUME CUPBOARD
FW	FLOOR WASTE
GS	GARBAGE SUMP
HB	HAND BASIN
HT	HOSE TAP
HWU	HOT WATER UNIT
KS	KITCHEN SINK
NPHT	NON POTABLE HOSE TAP
SPA	SPA
SH	SHOWER
SK	SINK
T	TUB
TD	TUNDISH
UR	URINAL
VB	VANITY BASIN
WM	WASHING MACHINE
WC	WATER CLOSET

ABBREVIATIONS

AAV	AIR ADDMITTANCE VALVE
A/C	AIR CONDITIONING
AD	AERIAL DRAINAGE
AGL	AUSTRALIAN GAS LIGHT COMPANY
AHD	AUSTRALIAN HEIGHT DATUM
BA	BASKET ARRESTOR
BO	BALCONY OUTLET
Br	BRASS
BT	BOUNDARY TRAP
CI	CAST IRON
CD	CONDENSATE DRAIN
CP	CONTROL PANEL
CO	CLEAROUT
CPI	COALESCING PLATE INTERCEPTOR
CRV	CROSS RELIEF VENT
Cu	COPPER
CV	CONTROL VALVE
CVP	CHAMBER VENT PIPE
CW	COLD WATER
CWCV	COLD WATER CONTROL VALVE
CWM	COLD WATER METER
CWS	COLD WATER SERVICE (COMMON)
DE	DIESEL EXHAUST
DCV	DOUBLE CHECK VALVE
DDO	DISH DRAIN OUTLET
DICL	DUCTILE IRON CEMENT LINED
DP	DOWN PIPE
ecw	EXISTING COLD WATER
edp	EXISTING DOWNPIPE
efh	EXISTING FIRE HYDRANT
efhr	EXISTING FIRE HOSE REEL
egvp	EXISTING GREASE VENT PIPE
ehw	EXISTING HOT WATER
EJ	EXPANSION JOINT
es	EXISTING SEWER
esw	EXISTING STORMWATER
evp	EXISTING VENT PIPE
ew	EYE WASH
EX	EXISTING
F.A.	FROM ABOVE
F.B.	FROM BELOW
FFL	FINISHED FLOOR LEVEL
FH	FIRE HYDRANT
FHR	FIRE HOSEREEL
FRC	FIBRE REINFORCED CONCRETE
FU	FIXTURE UNITS

ABBREVIATIONS

G	GAS
GA	GREASE ARRESTOR
GF	GAS FLUE
GMS	GALVANISED MILD STEEL
GVP	GREASE VENT PIPE
GWS	GREASE WASTE STACK
HBV	HYDRANT BOOSTER VALVE
H/L	HIGH LEVEL
HW	HOT WATER
HWF	HOT WATER FLOW
HWR	HOT WATER RETURN
IL	INVERT LEVEL
IPMF	INDUCT PIPE MICA FLAP
KIP	KERB INLET PIT
L/L	LOW LEVEL
MH	MANHOLE
NRV	NON RETURN VALVE
OF	OVERFLOW
OFG	OVERFLOW GULLY
OPSO	OVER PRESSURE SHUTOFF VALVE
PE-NY	POLYETHYLENE NYLON MAIN
PO	PLANTER OUTLET
PSS	PROVISIONAL SOIL STACK
RCP	REINFORCED CONCRETE PIPE
RCV	RECESSED CONTROL VALVE
RL	REDUCED LEVEL
RO	ROOF OUTLET
RPZD	REDUCED PRESSURE ZONE DEVICE
RV	RELIEF VENT
RWO	RAINWATER OUTLET
SD	SLUDGE DRAIN
SDS	SPRINKLER DRENCHER SYSTEM
SIP	SURFACE INLET PIT
SMH	SEWER MANHOLE
SP	SOIL PIPE
SRO	SIDE ROOF OUTLET
SS	SOIL STACK
SSRM	SUB-SOIL RISING MAIN
STD	SPRINKLER TEST DRAIN
SV	STOP VALVE
SWP	STORMWATER PIT
SYW	SYDNEY WATER
T.A.	TO ABOVE
T.B.	TO BELOW
TMV	THERMOSTATIC MIXING VALVE
U/S	UNDERSIDE
UPVC	POLYVINYL CHLORIDE
VP	VENT PIPE
VCP	VITRIFIED CLAY PIPE
WP	WASTE PIPE
WS	WASTE STACK

DRAWING SCHEDULE

DWG. No	TITLE
H01	LEGEND AND DRAWING SCHEDULE
H02	SITE PLAN
H03	BASEMENT 6 PLAN
H04	BASEMENT 5 PLAN
H05	BASEMENT 1 PLAN
H06	GROUND FLOOR PLAN
H07	ROOF PLAN
H08	DETAIL SHEET 1 ON-SITE DETENTION CONTROL DETAILS
H09	DETAIL SHEET 2 RAINWATER RECLAMATION CONTROL DETAILS
H10	DETAIL SHEET 3
H11	DETAIL SHEET 4
H12	SEDIMENTATION, EROSION CONTROL & CATCHMENT PLAN

0 10 20 30 40 50 60 70 80 90 100mm

NOTES:

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SERVICE

HYDRAULIC SERVICES

DRAWING TITLE

LEGEND & DRAWING SCHEDULE

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ENGINEER: JA
CHECKED:
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DRAWING SCALE: NOT TO SCALE @ A1

PROJECT No: S09083
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