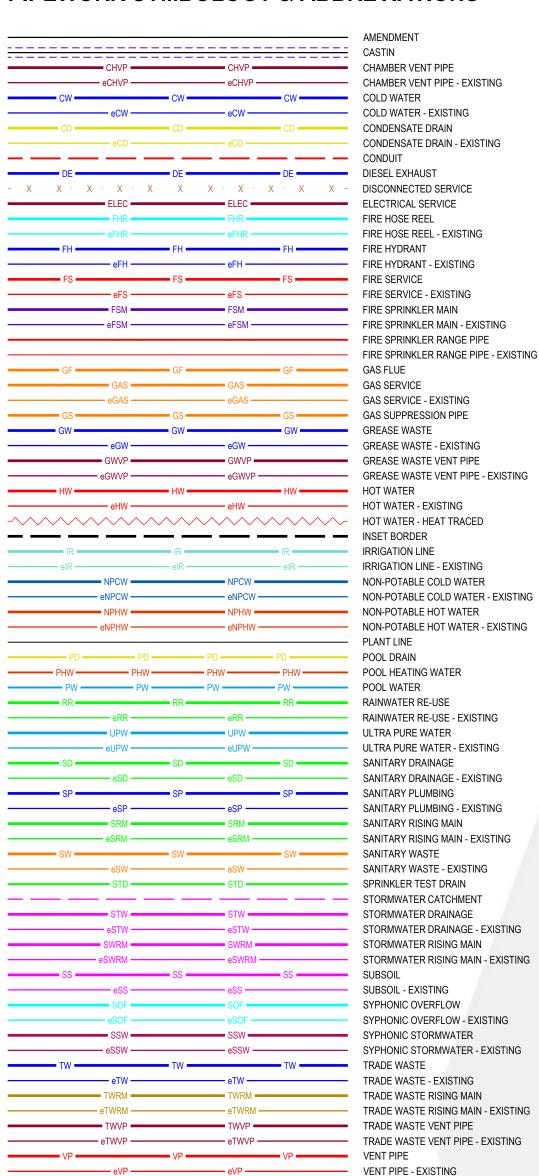
# AXIS DEVELOPMENT - STAGE 1A 6 AUSTRALIA AVE, SYDNEY OLYMPIC PARK NSW 2140 STATE SIGNIFICANT DEVELOPMENT - STAGE 1A BUILDING

# HYDRAULIC SERVICES LEGEND

### PIPEWORK SYMBOLOGY & ABBREVIATIONS



eWW — eWW — WARM WATER - EXISTING

_	
0 © C 3	RISER
<u>©</u>	DROP / RISE
C	DROPPER TEE DROPPER
<u> </u>	PIPEWORK CAP
\$	PIPEWORK CONTINUATION
,	UNDOCUMENTED CONTINUED LINE
•	PIPEWORK SECTION
<b>—</b>	DIRECTION ARROW
H	NEW CONNECTION
Vyyood	NEVT DRAWING
X-XXX	NEXT DRAWING
	DIRECTION OF FLOW
	SERVICE DESCRIPTION
-:-	SERVICE SIZE
	DIRECTION OF FLOW
$\bowtie$	STOP VALVE
$\bowtie$	CHECK VALVE
×	BALANCING VALVE
<b>Ø</b>	3 - WAY VALVE
<b>[</b>	BALL VALVE
DDD	REDUCED PRESSURE ZONE DEVICE
	PRESSURE RELIEF VALVE
<b>₽</b> <b>⊗</b>	PRESSURE LIMITING VALVE SOLENOID VALVE
KK	DOUBLE CHECK VALVE
	INFRA RED SENSOR
	MONITORED VALVE
$\bigcirc$	THERMOSTATIC MIXING VALVE
	TEMPERING VALVE
<b>₩</b>	WATER FILTER
	REFLUX VALVE
<b>₽</b>	REFLUX VALVE IN PIT
$\overline{\otimes}$	PATHBOX
Ĭ	WATER METER
<b>—</b>	GAS METER
hwl 	EXPANTION JOINT
Ž	STRAINER
<b>E</b>	PRESSURE GAUGE
F5	FLOW SWITCH PRESSURE SWITCH
F3	WATER POINT
• <sub>T</sub> •	TAP SET
	HOSE TAP
	BAYONET POINT
×	REGULATOR
	PUMP
	CONTROL PANEL
	FIRE HOSE REEL
	HOT WATER UNIT
×6	
Ø	FIRE HYDRANT
H	STREET HYDRANT
상 표 Ø	DUAL SUCTION POINT
4	
<u> </u>	QUAD SUCTION POINT
	DUAL BOOSTER POINT
Ø Ø	QUAD BOOSTER POINT
Φ	FLOORWASTE
۵	TUNDISH
	BUCKET TRAP FLOORWASTE
0	CLEAROUT TO SURFACE
	OFINED MANUSCLE
(9)	SEWER MANHOLE
ď	BOUNDARY TRAP
$ \widetilde{\boxtimes} $	SURCHARGE GULLY
$\overline{\Phi}$	INSPECTION SHAFT

INSPECTION SHAFT

INDUCT PIPE MICA FLAP

KAMLOCK CONNECTION

AIR ADMITTANCE VALVE SYPHONIC OUTLET

RAINWATER OUTLET SPREADER

BEAM PENETRATION REDUCER

STORMWATER GRATE

STORMWATER COVER

TRENCH GRATE

KERB ENTRY PIT

P.A.P.A VALVE RAINWATER HEAD

OVERLAND FLOW ARROW STORMWATER FLOW ARROW PENETRATION / CORE HOLE IN SLAB

# **ABBREVIATIONS**

A/C	Air Conditioning
AAV	Air Admittance Valve
AHD	Australian Height Datum
AS	Australian Standards
В	Basin
BBQ BBV	Barbeque  Brigado Boostor Valvo
BCA	Brigade Booster Valve Building Code Of Australia
BDO	Balcony Drain Outlet
BID	Bidet
BM	Bain Marie
ВР	Bayonet Point
BR BSK	Brass Par Sink
BT	Bar Sink Boundary trap
BTFWG	Bucket Trap Floorwaste Gully
ВТН	Bath
BV	Ball Valve
BWL	Bottom Water Level
BWU	Boiling Water Unit
CHV	Check Valve
CHWU CI	Chilled Water Unit Cast Iron
CIC	Cast In Column
CICL	Cast Iron Cement Lined
CIS	Cast In Slab
CL	Ceiling Level
COS	Clear Out To Surface
CP CSK	Chrome Plated Cleaners Sink
CST	Condensate Stack
CT	Cook Top
CU	Copper
CV	Control Valve
CWM	Cold Water Meter
D	Disabled Disabled Basin
DCV	Double Check Valve
DCV-A	Double Check Valve Assembly
DF	Drinking Fountain
DG	Disconnector Gully
DIA	Diameter  Pustile Iron Coment Lined
DICL DP	Ductile Iron Cement Lined  Downpipe
DR	Drainage Riser
DTU	Drainage Turn Up
DU	Dental Unit
DWC DWG	Disabled Water Closet Drawing
DWM	Dish Washing Machine
ECV	Expansion Control valve
EJ	Expansion Joint
ELEC	Electrical Service
EW	Eye Wash
EXT FC	Extinguisher Fume Cupboard
FCR	For Continuation Refer
FD	Floor Drain
FFL	Finished Floor Level
FH	Fire Hydrant
FHBV	Fire Hydrant Booster Valve
FHR	Fire Hose Reel
FHV	Fire Indicator Rapel
FIP FR	Fire Indicator Panel Fridge
FRC	Fibre Reinforced Concrete
FRS	Flushing Rim Sink
FSI	Finished Surface Level

Finished Surface Level

Fire Sprinkler Range

Flush Valve

FW	Floorwaste (Untrapped)
FWG	Floorwaste Gully (Trapped)
GA	Grease Arrestor
GAL	Galvanised
GD	Grated Drain
GDO	Grated Drain Outlet
GDTU	Grease Drainage Turn Up
GFP	Gas Fire Place
GIT	Grease Interceptor Trap
GL	Ground Level
GM	Gas Meter
GMS	Galvanised Mild Steel
GO	Gutter Outlet
GR	Gas Regulator
GST	Grease Stack
GT	Grease Trap
GTU	Grease Turn Up
GV	Gate Valve
GWM	Glass Washing Machine
GWST	Grease Waste Stack
H/L	High Level
HDPE	Heavy Duty
HP	High Density Polyethylene
HT	High Point
HV	Hose Tap High Voltage
HWM	Hot Water Meter
HWU	Hot Water Unit
ID	Inside Diameter
IL	Invert Level
IM	Ice Machine
10	Inspection Opening
IPMF	Induct Pipe Mica Flap
IS	Inspection Shaft
IV	Isolation Valve
JU	Jump Up
KIP	Kerb Inlet Pit
KPA	Kilopascal
KW	Kilowatt
L	Litres
L/L	Low Level
L/S	Litres Per Second
LD	Light Duty
LPG	Liquified Petroleum Gas
LT	Laundry Tub
LU	Loading Units
LV	Low Voltage
M	Metre
M.HEAD	Metres Head
M/S	Metres per Second
M3/HR	Cubic Metres per Hour
MDPE	Medium Density Polyethylene
MIN	Minimum
MJ	Megajoules
MJD	Movement Joint Drain
MM	Millimetres
MS	Mild Steel
NRV	Non-Return Valve
NTS	Not To Scale
NY O/F	Nylon
O/F	Overflow Outside Disputers
OD	Outside Diameter
OBC	Oblique Junction
ORG	Overflow Relief Gully
PAPA	Positive Air Pressure Attenuator

Planter Drain Outlet

Pressure Gauge

Cross Linked Polyethylene

Pressure Limiting Valve

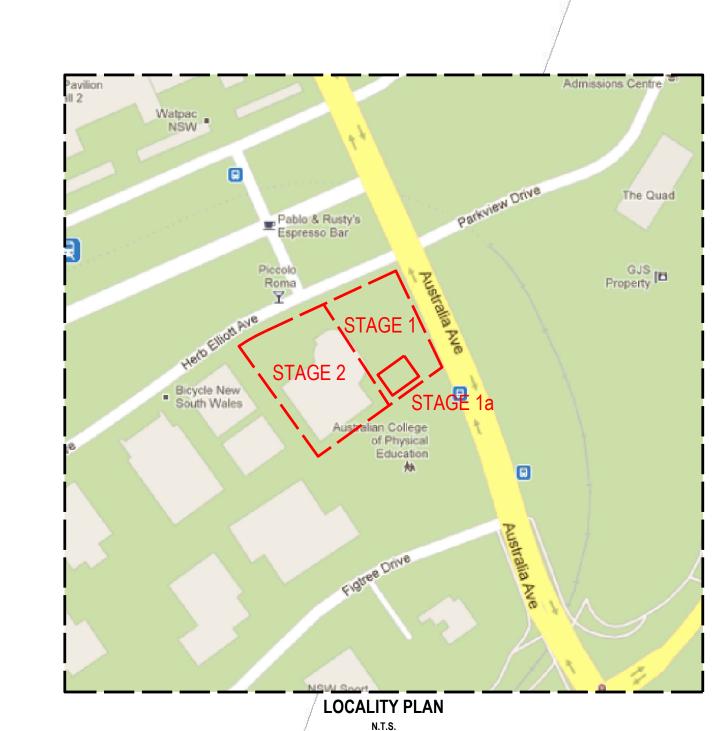
Plantroom Floorwaste Gully

PSK	Pot Sink
PVC	Polyvinyl Chloride
RCP	Reinforced Concrete Pipe
RDF	Refridgerated Drinking Fountain
REF	Refridgerator
RHS	Rectangular Hollow Section
RL	Reduced Level
RPZD	Reduced Pressure Zone Device
RV	Reflux Valve
RVP	Relief Vent Pipe
RWH	Rain Water Head
RWO	Rainwater Outlet
S/S	Stainless Steel
S/TR	Safe Tray
SB	Surgeons Basin
SDO	Spoon Drain Outlet
SH	Slop Hopper
SHR	Shower
SIP SK	Sewer Inspection Pit Sink
SL	Surface Level
SMH	Sewer Manhole
SO	Syphonic Outlet
SOF	Syphonic Outlet  Syphonic Overflow
SPD	Spreader
SPR	Sprinkler
SQ	Square
SSHR	Safety Shower
SSL	Structural Slab Level
SST	Soil Stack
ST	Stack
STD	Sprinkler Test Drain
STER	Steriliser
SV	Stop Valve
SWIP	Stormwater Inspection Pit
SWMH	Stormwater Manhole
SWP	Stormwater Pit
SWS	Stormwater Sump
SYP	Syphonic
ТВ	Thrust Block
TBR	To Be Removed
TD	Tundish
TEL	Telecommunication Service
TG	Trench Grate
TLV	Temperature Limiting Valve
TMV	Thermostatic Mixing Valve
TPRV TTD	Temperature & Pressure Relief Valve
TWIP	Trapped Tundish Trade waste Inspection Pit
TWL	Top Water Level
TWST	Trade waste Stack
TWTU	Tradewaste Turn Up
TYP	Typical
U/S	Underside
UNO	Unless Noted Otherwise
UPVC	Unplasticised Polyvinal Chloride
UR	Urinal
UV	Ultra Violet
UW	Utensil Washer
VB	Vacuum Breaker
VCP	Vitrified Clay Pipe
wc	Water Closet
WL	Water Level
WM	Washing Machine (Clothes)
WST	Waste Stack
	Wash Trough

Wash Trough

### DRAWING SCHEDULE

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DRAWING NUMBER	DRAWING SCALE	DRAWING TITLE	~~~
SW-000	NTS	HYDRAULIC SERVICES COVER SHEET AND LEGEND	
SW-001	1:200	HYDRAULIC SERVICES SITE PLAN STAGE 1a	
SW-100	1:100	HYDRAULIC SERVICES GROUND LEVEL PLAN STAGE 1a	
SW-101	1:100	HYDRAULIC SERVICES LEVEL 01 PLAN STAGE 1a	
SW-102	1:100	HYDRAULIC SERVICES LEVEL PLAN 02 STAGE 1a	
SW-103	1:100	HYDRAULIC SERVICES LEVEL PLAN 03-06 STAGE 1a	
SW-104	1:100	HYDRAULIC SERVICES LEVEL PLAN 07 STAGE 1a	
SW-105	1:100	HYDRAULIC SERVICES ROOF PLAN STAGE 1a	
			_



6 Australia Avenue Sydney Olympic Park NSW 2140 HYDRAULIC SERVICES COVER SHEET AND LEGEND

14-05-13 STATE SIGNIFICANT DEVELOPMENT - STAGE 1A BUILDING BL BL

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NOTE: SYMBOLS ARE DRAWN IN THE CORRECT POSITION

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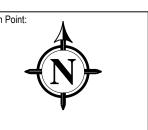
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SW-000

COORDINATED REFERENCE DRAWINGS

AXIS DEVELOPMENT

STRUCT

Job No: 20120081 | Scale: (B1) N.T.S.

ORIGINAL SIZE: B1

FOR APPROVAL

THIS IS A STANDARD LEGEND. ALL SYMBOLS MAY NOT NECESSARILY BE USED IN THESE DRAWINGS.