

2-6 COWPER STREET & 1-9 EAST STREET GRANVILLE NSW 2142 SITE STORMWATER DRAINAGE & COUNCIL INFRASTRUCTURE CIVIL WORKS



LOCATION OF SITE

LOCALITY PLAN
NOT TO SCALE

DEVELOPMENT APPLICATION

LEGEND

HYDRAULIC SERVICES SYMBOLS

	RAW RAINWATER
	STORMWATER DRAINAGE PIPE
	STORMWATER DRAINAGE PIPE
	STORMWATER DRAINAGE CHANNEL
	SUB SOIL DRAINAGE WITH CLEAN OUT
	OVERFLOW PIPE
	CONDUIT & DRAW WIRE
	ELECTRICAL CONDUIT
	EXISTING SERVICE
	EXISTING SERVICE TO BE REMOVED

SERVICES & UTILITIES SYMBOLS

	DRAINS
	ELECTRICAL
	NATURAL GAS
	SEWER
	WATER

NOTE:

'e' ON SERVICE LINE REPRESENTS EXISTING SERVICE OR THE USE OF LOWER CASE LETTER.

'X' ON SERVICE LINE REPRESENTS SERVICE TO BE ABANDONED.

EROSION & SEDIMENTATION SYMBOLS

	FENCES
	BARRIER FENCE
	SEDIMENT FENCE
	SILT FENCE ON LEVEL
	SILT FENCE ON GRADE
	BANKS
	DIVERSION CHANNEL/BANK
	EARTH BANK
	TRAPS
	GEOTEXTILE SEDIMENT TRAP
	CHECK DAMS (STRAW BALE OR ROCK)
	CONCRETE ENERGY DISSIPATOR
	STABILISED CONSTRUCTION SITE VEHICLE ENTRY/EXIT GRID

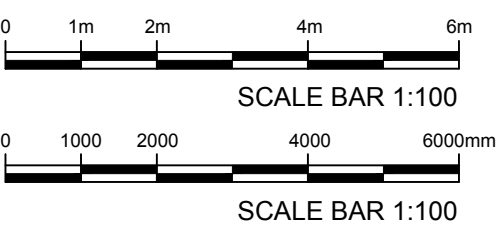
WATER & SEWER AUTHORITY MAINS SYMBOLS

	EXISTING SYDNEY WATER SEWER
	EXISTING SYDNEY WATER SEWER TO BE DISUSED.

DRAFTING SYMBOLS

	AMENDMENT NO.
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SCALE BARS



SECTION SYMBOL

	SECTION NO.
	REFERENCE DRAWING

HYDRAULIC SERVICES SYMBOLS

	VERTICAL RISER IN DRAINAGE
	CLEAROUT
	FLOW DIRECTIONAL ARROWS ON ALL PIPING SERVICES
	PENETRATION CORE THROUGH STRUCTURAL ELEMENT
	DOWNPIPE (150mm DIAMETER)
	SWALE or SPEED HUMP
	OVERLAND FLOW DIRECTIONAL ARROW
	KEP - KERB ENTRY PIT
	CONTINUATION SYMBOL (CONTINUATION OF SERVICE NOT SHOWN)
	CAPPED OFF SERVICE
	DROPPER
	RISER
	FLANGE CONNECTION
	ISOLATION VALVE
	PUMP
	METER
	BACKFLOW PREVENTION DEVICE
	REFLUX VALVE
	ELECTRICAL CONTROL PANEL
	OVERFLOW RELIEF GULLY/YARD GULLY
	UTILITY REGULATOR
	SOLENOID VALVE

	FALL
	DIRECTION OF FLOW
	SERVICE
	SIZE
	CONTINUED ON DWG HX
	FLOOR WASTE/RAINWATER OUTLET
	STORMWATER PIT (ACCESS ONLY)
	STORMWATER PIT (INLET)
	SQUARE RAINWATER OUTLET
	SEWER MANHOLE (CAC)
	KERB INLET PIT (SINGLE GRATE)
	KERB INLET PIT (DOUBLE GRATE)
	FIRE HYDRANT
	STORMWATER HEADWALL
	SPREADER
	GRATED DRAIN
	REFLUX VALVE
	CONCRETE ENCASEMENT
	DUCK BILL VALVE
	WATER LEVEL INDICATOR

ABBREVIATIONS, SYMBOLS AND LINETYPES IN THE LEGEND MAY NOT APPEAR ELSEWHERE ON THE DRAWINGS. THIS LEGEND SHOULD BE USED AS A GUIDE ONLY

GENERAL ABBREVIATIONS

BG	BOX GUTTER
BGO	BOX GUTTER OUTLET
BT	BOUNDARY TRAP
CTS	CENTRES
CL	CENTRE LINE
CI	CAST IRON
CIC	CAST IN COLUMN
CIS	CAST IN SLAB
CO	CLEAR OUT
Cu	COPPER
DI	DUCTILE IRON
DIA	DIAMETER
DP	DOWN PIPE
DTU	DRAINAGE TURN-UP
DWG	DRAWING
ED	ELEVATED DRAINAGE
EGL	EXISTING GROUND LEVEL
EGO	EAVES GUTTER OUTLET
EJ	EXPANSION JOINT
EX	EXISTING
FFL	FINISHED FLOOR LEVEL
FSC	FIRE STOP COLLAR
FW	FLOOR WASTE
GALV	GALVANISED
GDO	GRATED DRAIN OUTLET
GMS	GALVANISED MILD STEEL
HD	HEAVY DUTY
HDC	HEAVY DUTY COVER
HDG	HEAVY DUTY GRATE
HDPE	HIGH DENSITY POLYETHYLENE
H/L	HIGH LEVEL
HP	HIGH POINT
ID	INTERNAL DIAMTER
IL	INVERT LEVEL
IO	INSPECTION OPENING
KIP	KERB INLET PIT
KO	KEY OPERATED
LDC	LIGHT DUTY COVER
LDG	LIGHT DUTY GRATE
LL	LOW LEVEL
L.O.C.	LIMIT OF CONTRACT
MAX.	MAXIMUM
MIN.	MINIMUM
NB	NOMINAL BORE
N.I.C	NOT IN CONTRACT
NOM	NOMINAL
NO	NUMBER
No.	NOT TO SCALE
NTS	NOT TO SCALE
OD	OUTSIDE DIAMETER
O/F	OVERFLOW
P	PENETRATION
REV	REVISION
RL	REDUCED LEVEL
RO	RAINWATER OUTLET
RPZD	REDUCED PRESSURE ZONE DEVICE
RV	REFLUX VALVE
RWH	RAINWATER HEAD
RWO	RAINWATER OUTLET
SMH	SEWER MANHOLE
SQ	SQUARE
ST	STANDARD
STD	STORMWATER
STW	STOP VALVE (ISOLATION VALVE)
SWP	STORMWATER PIT
TBC	TO BE CONFIRMED
TG	TRENCH GRATE
TOK	TOP OF KERB
TWL	TOP WATER LEVEL
U.N.O.	UNLESS NOTED OTHERWISE
uPVC	UNPLASTICISED POLYVINYL CHLORIDE
VERT	VERTICAL

CIVIL ABBREVIATIONS

	DRAINAGE LEVELS
BWL	BOTTOM WATER LEVEL
IL	INVERT LEVEL
OL	OBVERT LEVEL
RL	REDUCED LEVEL
SL	SURFACE LEVEL
TWL	TOP WATER LEVEL
	GRATES & COVERS
LD	LIGHT DUTY CLASS 'B'
MD	MEDIUM DUTY CLASS 'C'
HD	HEAVY DUTY CLASS 'D'
EHD	EXTRA HEAVY DUTY CLASS 'E'
MP	MULTI PART COVER OR GRATE
	PITS
JP	JUNCTION PIT
KEP	KERB ENTRY PIT
SWP	STORMWATER PIT
	DRAINAGE LINES
SS	SUBSOIL DRAINAGE
STW	STORMWATER DRAIN
	FEATURES
CO	CLEAROUT
DP	DOWN PIPE
FP	FLUSHING POINT
IO	INSPECTION OPENING
OF	GUTTER OVERFLOW PIPE
RWO	RAINWATER OUTLET
DTU	DRAINAGE TURNUP

CATCHMENT ABBREVIATIONS

L/s	LITRES PER SECOND
m/s	METRES PER SECOND
CUMecs	CUBIC METRES PER SECOND
Q	QUANTITY OF FLOW

DRAWING NOTES

