

ABODE HOTEL BLACKTOWN STORMWATER DRAINAGE

LEGEND

ABBREVIATIONS

BG	BOX GUTTER
CI	CAST IRON
CIC	CAST IN COLUMN
CIS	CAST IN SLAB
CO	CLEAR OUT
Cu	COPPER
DI	DUCTILE IRON
DP	DOWN PIPE
DTU	DRAINAGE TURN-UP
DWG	DRAWING
EJ	EXPANSION JOINT
Ex	EXISTING
FFL	FINISHED FLOOR LEVEL
GMS	GALVANISED MILD STEEL
HDC	HEAVY DUTY COVER
HDG	HEAVY DUTY GRATE
HL	HIGH LEVEL
IL	INVERT LEVEL
KIP	KERB INLET PIT
LDC	LIGHT DUTY COVER
LDG	LIGHT DUTY GRATE
LL	LOW LEVEL
LTG	LONGITUDINAL TRENCH GRATE
NTS	NOT TO SCALE
OF	OVERFLOW
P	PENETRATION
PLRO	PLANTER RAINWATER OUTLET
PRO	PARAPET RAINWATER OUTLET
RL	REDUCED LEVEL
RO	RAINWATER OUTLET
SRO	SQUARE RAINWATER OUTLET
STW	STORMWATER
SWP	STORMWATER PIT
SWRM	STORMWATER RISING MAIN
TG	TRENCH GRATE
TOK	TOP OF KERB
TRO	TERRACE RAINWATER OUTLET
U.N.O.	UNLESS NOTED OTHERWISE
uPVC	UNPLASTICISED POLYVINYL CHLORIDE

SYMBOLS

	RAINWATER OUTLET
	STORMWATER PIT (ACCESS ONLY)
	STORMWATER PIT (INLET)
	SQUARE RAINWATER OUTLET
	KERB INLET PIT
	STORMWATER HEADWALL
	SPREADER
	CONTINUATION SYMBOL (CONTINUATION OF SERVICE NOT SHOWN)
	CAPPED OFF SERVICE
	DROPPER
	RISER
	PUMP
	REFLUX VALVE (DRAINAGE)
	ELECTRICAL CONTROL PANEL
	DIRECTIONAL ARROW
	OVERLAND FLOW PATH
	PENETRATION
	DIRECTION OF FLOW SERVICE SIZE
	CONTINUED ON DWG HX

LINETYPES

	STORMWATER DRAINAGE
	SUBSOIL DRAINAGE
	STORMWATER RISING MAIN
	EXISTING SERVICE
	EXISTING SERVICE TO BE REDUNDANT
	ELECTRICAL CONDUIT

SPECIFICATION NOTES

GENERAL REQUIREMENTS

DIMENSIONS

THE DRAWINGS ARE INDICATIVE ONLY. ALL DIMENSIONS MUST BE CONFIRMED ON SITE BEFORE ANY SITEWORK OR OFF-SITE FABRICATION TAKES PLACE.

MATERIALS

ALL MATERIALS USED IN THE WORK SHALL BE NEW AND OF THE BEST QUALITY AND TYPE AVAILABLE TO CONFORM WITH THE RELEVANT AUSTRALIAN STANDARDS AND BEAR THE REQUIRED STANDARDS MARK AND WATERMARK.

FEES AND PERMITS

MAKE ALL APPLICATIONS TO THE WATER AUTHORITY AND LOCAL COUNCIL. PAY ALL FEES AND OBTAIN ALL NECESSARY PERMITS AND APPROVALS AS REQUIRED BY THE AUTHORITIES.

COORDINATION

COORDINATE SERVICES WITH ALL OTHER TRADES AND WORKS ON THE SITE. REVIEW ALL AVAILABLE EXISTING SERVICES DOCUMENTATION.

EXISTING SERVICES

EXISTING SERVICES SHOWN ON THE DRAWINGS ARE INDICATIVE ONLY AND MAY NOT BE COMPLETE. LOCATE AND CONFIRM ALL EXISTING SERVICES RELEVANT TO THE WORKS, PRIOR TO CARRYING OUT ANY WORK.

STORMWATER DRAINAGE

STANDARDS

THE INSTALLATION IS TO BE IN ACCORDANCE WITH AS3500.3, NSW CODE OF PRACTICE FOR PLUMBING AND DRAINAGE AND LOCAL AUTHORITY REQUIREMENTS.

PIPEWORK MATERIAL

PIPEWORK UP TO 225mm DIAMETER SHALL BE UPVC DRAINAGE WASTE AND VENT (DWV) GRADE WITH SOLVENT WELDED JOINTS. PIPEWORK 300mm AND LARGER SHALL BE FIBRE REINFORCED CONCRETE (FRC) WITH 'SUPERTITE' JOINTS.

PIPE GRADES

PIPEWORK SHALL BE LAID AT 1:100 MINIMUM GRADE UNLESS NOTED OTHERWISE. PIPEWORK MAY BE LAID AT STEEPER GRADES AS REQUIRED TO MEET COVER REQUIREMENTS OR AS NOMINATED BY PIPEWORK INVERT LEVELS.

STORMWATER PITS (SWP)

STORMWATER PITS 600 x 600 OR LARGER SHALL BE PRECAST CONCRETE PITS WITH EXTENSION RISERS AS NECESSARY TO MATCH REQUIRED DEPTHS. PROVIDE CONCRETE INFILL COVERS WITH LIFTING LUGS OR GALVANISED MILD STEEL GRATINGS WITH THE DUTY APPROPRIATE TO THE LOCATION OF THE GRATE OR COVER AND AS NOMINATED ON THE DRAWINGS. PROVIDE STEP IRONS TO THE REQUIREMENTS OF AS 3500.3.2.

STORMWATER PITS 300 x 300 AND 450 x 450 TO BE 'ACO' POLYCRETE PITS WITH GALVANISED MILD STEEL GRATINGS.

ACOUSTIC TREATMENT

WRAP ALL PIPEWORK ABOVE HABITABLE AREAS WITH 'SOUNDGUARD 4525C' ACOUSTIC INSULATION MANUFACTURED BY PYROTEK. INSULATION IS TO BE INSTALLED TO MANUFACTURER'S RECOMMENDATIONS.

CLEAR OUTS (CO)

CLEAR OUTS SHALL BE A LINE SIZE JUNCTION ON THE PIPE WORK BELOW GROUND AND EXTENDED TO FINISHED SURFACE LEVEL WITH A PIPE AND CAP. THE CAP SHALL BE BRASS FOR INTERNAL AREAS AND WHERE LOCATED IN HARD SURFACE OUTDOOR AREAS BUT MAY BE UPVC WHERE LOCATED SOFT LANDSCAPED AREAS.

DRAINAGE TURN UPS (DTU)

SHALL BE UPVC RISERS WITH UPVC GRATINGS.

LONGITUDINAL TRENCH GRATINGS (LTG)

SHALL BE 'ACO POLYCRETE' TO SUIT APPLICATION.

SUBSOIL DRAINAGE

SHALL BE 90mm SLOTTED UPVC PIPE WRAPPED IN CLOTH SOCK AND SURROUNDED WITH 150mm THICKNESS OF 20mm DIAMETER BLUE METAL AND SURROUNDED IN GEOTEXTILE FABRIC.

KERB INLET PITS (KIP)

PROVIDE KERB INLET PITS TO COUNCIL REQUIREMENTS. OBTAIN STANDARD PIT DETAILS FROM THE COUNCIL. WHERE COUNCIL DOES NOT HAVE STANDARD PIT DETAILS OR WHERE THE ROAD IS A PRIVATE ROAD, KIP'S SHALL BE ICON INDUSTRIES ONE PIECE KERB ENTRY AND ROADWAY PIT SYSTEM MODEL KE1 WITH 1200 CLEAR OPENING IN LINTEL. GRATINGS SHALL BE GALVANISED MILD STEEL AND STORMWATER PITS SHALL BE 900mmx900mm AND IN ACCORDANCE WITH THE SPECIFICATION.

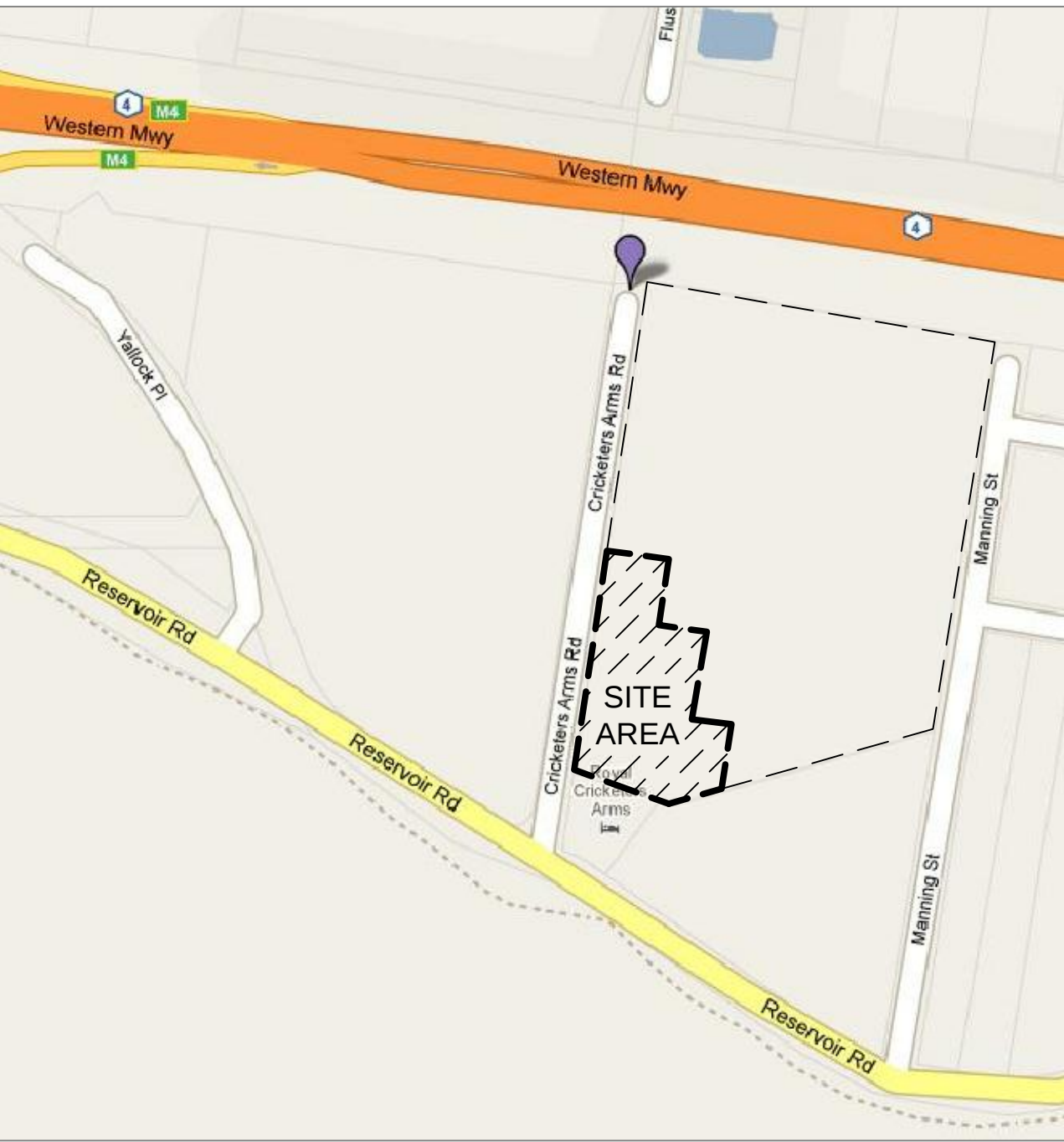
IN PRIVATE ROADS WHERE ROLLED KERBS ARE PROVIDED, PROVIDE WELDLOK ROLLED FORMED KERB GULLY GRATINGS WITH GALVANISED MILD STEEL GRATINGS AND 900mmx600mm PITS.

NOTES

- DRAWINGS ARE DIAGRAMMATIC ONLY. FOR DIMENSIONAL AND CONSTRUCTIONAL DETAILS OF BUILDING REFER ARCHITECTURAL DRAWINGS AND SITE.
- PIPEWORK SIZES ARE NOMINAL BORE FOR COPPER AND CAST IRON AND INTERNAL BORE FOR POLYMER BASED PIPEWORK. REFER SPECIFICATION FOR MATERIAL TYPE.
- ALL PIPEWORK ON DRAWINGS IS SHOWN BELOW SLAB (OR GROUND) UNLESS NOTED OTHERWISE.

DRAWING SCHEDULE

DWG No	DESCRIPTION
SW1	PROJECT INFORMATION
SW2	SITE PLAN



LOCATION PLAN
NOT TO SCALE

2	29.9.10	AUTHORITY SUBMISSION
1	15.9.10	COORDINATION ISSUE
No	DATE	AMENDMENT
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PROJECT ABODE HOTEL BLACKTOWN		
DRAWING TITLE STORMWATER DRAINAGE PROJECT INFORMATION		
CAD REFERENCE 7220_SW01		PROJECT NUMBER 7220
SCALE @ A1 N.T.S.		DRAWING NUMBER SW1
DATE SEPTEMBER 2010	NO IN SET 2	REVISION 2
DRAWN TJ	DESIGNED AC	
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