TABLE 1 – CLEARANCES BETWEEN SEWERS AND OTHER UNDERGROUND SERVICES			
UTILITY (EXISTING SERVICE)	MINIMUM HORIZONTAL CLEARANCE (mm)		MINIMUM VERTICAL CLEARANCE[1] (mm)
	NEW SEWER SIZE		
	≤ DN 300	>DN 300	
SEWERS ≤ DN 300	300	600	150[2]/300
SEWERS >DN 300	600	600	300
GAS MAINS	300[3]	600	150[2]/300
TELECOMMUNICATIONS CONDUITS AND CABLES	300[3]	600	225[2]/300
ELECTRICITY CONDUITS AND CABLES	500	1000	225/300
STORMWATER DRAINS[4]	300[3]	600	150[2 AND 5]/300
WATER MAINS	1000[6]/600	1000[6]/600	500[5]
KERBS	150[7]	600[7]	N/A

TABLE NOTES:

1. VERTICAL CLEARANCES APPLY WHEN SEWERS CROSS ONE ANOTHER, EXCEPT IN THE CASE OF WATER MAINS WHEN A VERTICAL SEPARATION SHALL ALWAYS BE MAINTAINED, EVEN WHEN THE SEWER MAIN ARE PARALLEL.
2. A MINIMUM VERTICAL CLEARANCE OF 300mm APPLIES IF THE SIZE OF EITHER THE EXISTING SERVICE OR PROPOSED SEWER IS >DN 300.
3. CLEARANCES CAN BE FURTHER REDUCED TO 150mm FOR DISTANCES UP TO 2m WHEN PASSING INSTALLATIONS SUCH AS POLES, PITS AND SMALL STRUCTURES, PROVIDING THE STRUCTURE IS NOT DESTABILIZED IN THE PROCESS.
4. SEWERS SHOULD ALWAYS CROSS UNDER WATER MAINS AND STORMWATER DRAINS. IF THIS REQUIREMENT CANNOT BE MET, CONSULT COUNCIL IN RESPECT OF ALTERNATIVES SUCH AS ADJUSTING THE WATER MAIN OR STORMWATER DRAIN WHERE THE SEWER CROSSES A WATER MAIN AT OR CLOSE TO 90°, THE VERTICAL CLEARANCE MAY BE REDUCED TO NOT LESS THAN 200mm PROVIDED THAT THE SEWER IS CONCRETE ENCASED AND A 50mm COMPRESSIBLE MATERIAL IS PLACED OVER THE ENCASEMENT. THE ENCASEMENT SHALL NOT HAVE ANY JOINTS WITHIN 1000mm EITHER SIDE OF THE WATER MAIN AND SHALL CONFORM TO DRAWING WSC-SEW-XXX.
5. WHEN THE SEWER IS AT THE MINIMUM VERTICAL CLEARANCE BELOW THE WATER MAIN (500mm) MAINTAIN A MINIMUM HORIZONTAL CLEARANCE OF 1000mm. THIS MINIMUM HORIZONTAL CLEARANCE CAN BE REDUCED TO 600mm A THE VERTICAL CLEARANCE INCREASES TO 750mm.
6. CLEARANCE FROM KERBS SHALL BE MEASURED FROM THE NEAREST POINT OF THE KERB.
7. A SEWER TO BE CONSTRUCTED UNDER AN EXISTING OR PROPOSED STORMWATER PIPE OR CHANNEL ≤ DN 375 SHALL BE CONCRETE ENCEASED. THE CONCRETE ENCASEMENT SHALL EXTEND AT LEAST ONE METRE EACH SIDE OF THE STORMWATER PIPE OR CHANNEL. CLEARANCES BETWEEN THE SEWER AND OTHER SERVICES SHALL BE MEASURED FROM THE OUTER SURFACE OF THE CONCRETE ENCASEMENT.

ISSUE	AMENDMENTS	DRAWN	DATE

WINGECARRIBEE SHIRE COUNCIL

DRAWN M. MOLINA

SCALE N.T.S.

SHEET SIZE: A3

WINGECARRIBEE SHIRE COUNCIL

GENERAL NOTES AND CONNECTION DETAILS – SHEET 2

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