

VALVES	
	SLUICE / GATE VALVE
	NORMALLY SHUT VALVE
	BUTTERFLY VALVE
	FERRULE (FEMALE OUTLET THREAD)
	FERRULE (MALE OUTLET THREAD)
	BALL VALVE
	PRESSURE CONTROL VALVE
	NON RETURN VALVE
PIPE JOINTS	
	SOCKET
	DOUBLE SOCKET CONNECTOR
	FLANGE
	FLANGE WITH BACKING RING
	FLANGE SOCKET THRUST CONNECTOR
	WELDED COLLAR (MSCL). ELECTROFUSION WELD (PE)
	SLIP IN TYPE WELD (MSCL). BUTT WELD (PE)
	PE COMPRESSION / PUSH FIT COUPLING END
	FEMALE THREAD
	MALE THREAD
COUPLINGS	
	UNRESTRAINED MECHANICAL COUPLING (GIBALTY)
	RESTRAINED MECHANICAL COUPLING
	UNRESTRAINED MECHANICAL STEP COUPLING
	PE ELECTROFUSION STEP COUPLING
	PE COMPRESSION / PUSH FIT STEP COUPLING
TAPPINGS	
	TAPPING BAND / SADDLE / CLAMP
	DOUBLE PRE-TAPPED CONNECTOR

HYDRANTS AND AIR VALVES	
	KINETIC / AUTOMATIC (SINGLE ACTION) AIR VALVE
	COMBINATION AIR VALVE
	TEE, RISER & WATER AUTHORITY HYDRANT (BELOW GROUND)
	TEE, RISER & COUNCIL HYDRANT (BELOW GROUND)
	TEE, RISER & WATER AUTHORITY HYDRANT (ABOVE GROUND)
	TEE, RISER & COUNCIL HYDRANT (ABOVE GROUND)
	TEE, RISER & COMBINED VALVE CONTROLLED HYDRANT
	DUCKFOOT BEND, HYDRANT RISER & HYDRANT ABOVE
	WASHOUT BEND, RISER & HYDRANT ABOVE
BENDS, TAPER & CROSS	
	SWEEPING BEND (LONG / SHORT)
	BEND
	FERRULE BEND
	TAPER
	SOCKET 4 WAY CROSS
RESTRAINTS	
	PUDDLE FLANGE WITH INLINE THRUST RESTRAINT
	RESTRAINED SOCKET & SPIGOT COUPLING
	PLAIN THRUST BLOCK
	IN LINE THRUST BLOCK
DRAWING DESCRIPTORS	
	SWAB DIRECTION
	SWAB INSERTION, NUMBER REPRESENTING SWAB ORDER
	SWAB REMOVAL, NUMBER REPRESENTING SWAB ORDER
	ABANDONED
	REMOVE FITTING
	NOT CONNECTED
	BREAK

MISCELLANEOUS	
	CHLORINATION POINT
	ELECTROLYSIS
	ENDCAP
	MALE CAM LOCK END
EXAMPLE SYMBOLS	
	FL - FL TEE, RISER & HYDRANT
	WELDED TEE, RISER & HYDRANT
	FL - FL VALVE
	SOC - SOC VALVE
	FL - FL TAPER
	SOC - SOC TAPER
	COUPLED MALE & FEMALE THREADS
	FERRULE & FERRULE BEND (FEMALE OUTLET THREAD)
	FERRULE & FERRULE BEND (MALE OUTLET THREAD)
	BALL VALVE WITH FEMALE & MALE THREADS
	FLANGE SOCKET CONNECTOR
	FLANGED PE COMPRESSION ADAPTOR

NOTES:

1. ALL FITTING SIZES TO BE LABELED
2. ALL SYMBOLS REPRESENT PLAN VIEW SYMBOLS IN DWG FORMAT WHICH ARE AVAILABLE FROM THE WATER AGENCY
3. ALL SCHEMATICS & DETAILS IN DESIGNS ARE TO USE THESE SYMBOLS

DESIGNED:	R. JAGGER	DATE:	20/01/2011
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CHECKED:	NAME DATE	APPROVED:	NAME DATE
<input checked="" type="checkbox"/> CWW	C. RIVETTE 21/03/12	<input checked="" type="checkbox"/> CWW	R.CARRUTHERS 21/03/12
<input checked="" type="checkbox"/> SEWL	C.PAXMAN 21/03/12	<input checked="" type="checkbox"/> SEWL	G.REYNOLDS 21/03/12
<input checked="" type="checkbox"/> YVW	K.DAWSON 21/03/12	<input checked="" type="checkbox"/> YVW	A.COSHAM 21/03/12
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MELBOURNE RETAIL WATER AGENCIES

MRWA WATER SUPPLY STANDARD DRAWINGS

WATER SUPPLY SYMBOL LIBRARY

NOT TO SCALE

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