



M A T E R I A L S		
ITEM	QUANT.	DESCRIPTION
1	1	METER - SIEMENS SITRANS MAGFLO WITH SECURITY COVER, EARTHING STRAPS AND EARTHING RINGS IS SHOWN
2	2	FLOW STRAIGHTENER - CLEAR INTERNAL BORE PIPE, FLANGE TO UNIFLANGE/COP-A-MATE
3	3	RESILIENT SEATED GATE VALVE OR GEAR OPERATED BUTTERFLY VALVE (HANDWHEEL CLOSEST TO BOUNDARY TO BE CHAINED AND PADLOCKED.)
4	1	REDUCED PRESSURE ZONE DEVICE (TESTABLE DEVICE)
5	4	90° ELBOW, FLANGE TO FLANGE
6	2	CONNECTOR FLANGE TO FLANGE
7	1	100mm CONCRETE SLAB (50mm ABOVE GROUND SURFACE)
8	3	ADJUSTABLE PIPE SUPPORT
9	1	"Y" TYPE STRAINER

TABLE A			
MAGFLO DIAMETER (mm)	MAGFLO LENGTH (mm)	MINIMUM DISTANCE (mm)	
		Distance 'A'	Distance 'B'
50	200	250	150
80	200	400	240
100	250	500	300
150	300	750	450

#### NOTES

- DUCTILE IRON FLOW STRAIGHTENER** - INSTALL UNI-FLANGE EITHER SIDE OF MAGFLO WITH GASKETS.  
**COPPER FLOW STRAIGHTENER** - INSTALL COP-A-MATE FLANGE EITHER SIDE OF MAGFLO WITH GASKETS.
- ASSEMBLY SHALL BE LEVEL (MAGFLO ELECTROMAGNETIC SENSORS MUST ALWAYS BE IMMERSSED TO MEASURE ACCURATELY).
- METER SIZE AND TYPE:
  - 32mm AND 40mm SHALL BE MECHANICAL (Supplied by Wannon Water at owners cost).
  - 50mm AND ABOVE SHALL BE SIEMENS SITRANS MAGFLO (Supplied by Wannon Water at owners cost).
- MAGFLO FLANGES CONFORM TO AS4087 PN16.
- DI, DICL, DIEL, COPPER OR ROLL GROOVE PIPE MAY BE USED.
- BACKFLOW DEVICES MUST BE INSTALLED TO MEET AS/NZS 3500.1.2
- CONCRETE SLAB SHALL BE 100mm THICK (50mm ABOVE FINISHED SURFACE)
- APPLY DENSO TAPE TO BELOW GROUND FASTENERS & AT HIGHLY CORROSIVE LOCATIONS.
- RPZ ASSEMBLY MUST BE ABOVE GROUND (NOT ALLOWED IN PIT).

Designed by K.WATSON	Checked by I.BAUM	Approved by - date 25/06/12	Date 24/04/12	Scale N.T.S.
GENERAL/FIRE SERVICE / BULK METER AND PIPEWORK SHALL BE LOCATED IN THE COMMON PROPERTY OF OWNERS CORPORATION		<b>TYPICAL HIGH RISK FIRE SERVICE/GENERAL SERVICE WATER SUPPLY CONNECTION ASSEMBLY</b>		
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