

ITEM LIST		
ITEM	SIZE	DESCRIPTION
1	"DN P"	PE100 PN16 REMS FEEDER MAIN
2	"DN P" x "DN S"	PE100 PN16 TEE OR APPROVED WELDED SADDLE
3	"DN S"	PE100 PN16 BW PIPE (L.T.S.) WITH BW FLANGE STUB
4	"DN S"	FL-FL RESILIENTLY SEATED D.I. GATE VALVE (CLOCKWISE CLOSE)
5	"DN S"	FL-FL DICL PIPE (L.T.S.)
6	"DN S"	FL-FL DICL 90° BEND
7	"DN S"	FL-FL DICL PIPE (L.T.S.(METER MANUFACTURERS SPECIFICATIONS))
8	"DN S"	FL-FL FLOW METER (SPECIFIED)
9	"DN S"	FL-FL DICL PIPE (L.T.S.(METER MANUFACTURERS SPECIFICATIONS))
10	"DN S"	PE100 PN16 (L.T.S.) FL-FL WITH SS BACKING & BLANK FLANGE


TABLE 1 – SERVICE LINE EQUIVALENCES				
METER SIZE DN	COPPER DN	DUCTILE DN	PVC DN	PE100 DN
80	80	80		90
100		100	100	125
150		150	150	180
200		200	200	250

- ABBREVIATIONS:
- L.O.C. = LIMIT OF CONTRACT
 - L.T.S. = LENGTH TO SUIT
 - DN = NOMINAL DIAMETER
 - DN P = NOMINAL DIAMETER OF THE REMS FEEDER MAIN
 - DN S = NOMINAL DIAMETER OF THE SERVICE LINE AND METER
 - FL = FLANGED FITTING
 - BW = BUTT WELD
 - FSL = FINISHED SURFACE LEVEL
 - TYP = TYPICAL
 - MIN = MINIMUM

- VALVE SURFACE BOX NOTES:
- V1 TOP OF VALVE SURFACE BOX IS TO BE :
 - FLUSH WHERE LOCATED IN PAVED AREAS.
 - 50mm MIN ABOVE FSL WITHIN ROAD RESERVES IN RESIDENTIAL AREAS
 - 200mm MIN ABOVE FSL IN RURAL LOCATIONS
 - V2 VALVE SURFACE BOX, COVER, SHROUD AND FOOTING TO BE INSTALLED BETWEEN 100 AND 200mm ABOVE THE SPINDLE AND PVC PIPE SHROUD SO THAT NO LOADING IS TRANSMITTED TO THE MAIN.
 - V3 PVC PIPE SHROUD (LENGTH AND DIAMETER TO SUIT) TO EXTEND TO WITHIN VALVE SURFACE BOX, BUT NOT LESS THAN 50mm FROM THE UNDER SIDE OF THE LID
 - V4 VALVE SURFACE BOX TO HAVE :
 - HINGED COVER TO CLOSE IN THE DIRECTION OF FALL OF LAND OR DIRECTION OF ADJACENT ROAD LANE TRAFFIC
 - A TYPICAL RECYCLED PLASTIC SURROUND OR EQUIVALENT CONCRETE SURROUND (435mm DIAMETER MIN)
 - V5 FOOTINGS OR SLAB REQUIRED IN :
 - TRAFFICABLE AREA - CONCRETE SUPPORT SLABS TO SPAN THE TRENCH TO EXTEND 300 MIN ONTO SUPPORTIVE EARTH. (WSAA 2002 WAT-1304)
 - NON-TRAFFICABLE AREA- CONCRETE FOOTINGS REQUIRED TO BED THE VALVE BOX AND SHROUD. (WSAA 2002 WAT-1303)
 - V6 RECYCLED PLASTIC, CONCRETE OR HARDWOOD SPACERS MAY BE USED TO RAISE FRAME SURFACE LEVEL

- GENERAL NOTES:
- G1 EXTENSION SPINDLE TO BE FITTED TO GATE VALVE WHERE DEPTH FROM F.S.L. TO TOP OF GATE VALVE EXCEEDS 350mm
 - G2 316 SS BACKING PLATES TO BE USED ON ALL POLY FLANGES
 - G3 ALL ABOVE GROUND METERS, SURFACE BOXES, VALVES, FITTINGS, ETC ARE TO BE THE STANDARD CYCLAMEN COLOUR (P 22 TO AS 2700)
 - G4 ALL PE100 PIPE TO BE CYCLAMEN STRIPED.
 - G5 ALL PIPE AND FITTINGS TO BE PN16 (SDR11) MINIMUM
 - G6 BOLLARD PROTECTION IS TO BE INSTALLED, REFER TO TYPICAL BOLLARD PROTECTION ARRANGEMENT (DRG 24066-004)

CONSTRUCTION ISSUE

H					CONSULTANT DETAILS:		 A Group of Shoalhaven City Council	DESIGNED:	DATE:	COMPANY:	TITLE: RECLAIMED WATER MANAGEMENT SCHEME REMS 1B SERVICES 80mm AND GREATER TYPICAL LONG AND SHORT SERVICE WITH TYPICAL METER ARRANGEMENT												
								R.D.	1-6-15	S.W.													
								DRAWN:	DATE:	COMPANY:							R.D.	1-6-15	S.W.				
								CHECKED:	DATE:	COMPANY:							N.P.	20-06-16	S.W.				
	1	ISSUED FOR CONSTRUCTION			R.D.	13-10-16		CONSULTANT REFERENCE No.		APPROVED:	DATE:	COMPANY:	SIZE:	SCALE:	INDEX No.	DRAWING No.	SHEET	REV No.					
	0	ISSUED FOR TENDER			R.D.	24-06-16				R.H.	24-06-16	S.W.	A1	N.T.S.		24066	011	1					
	No.	REVISION DETAILS			DWN	DATE																	
1		2		3		4		5		6		7		8		9		10		11		12	