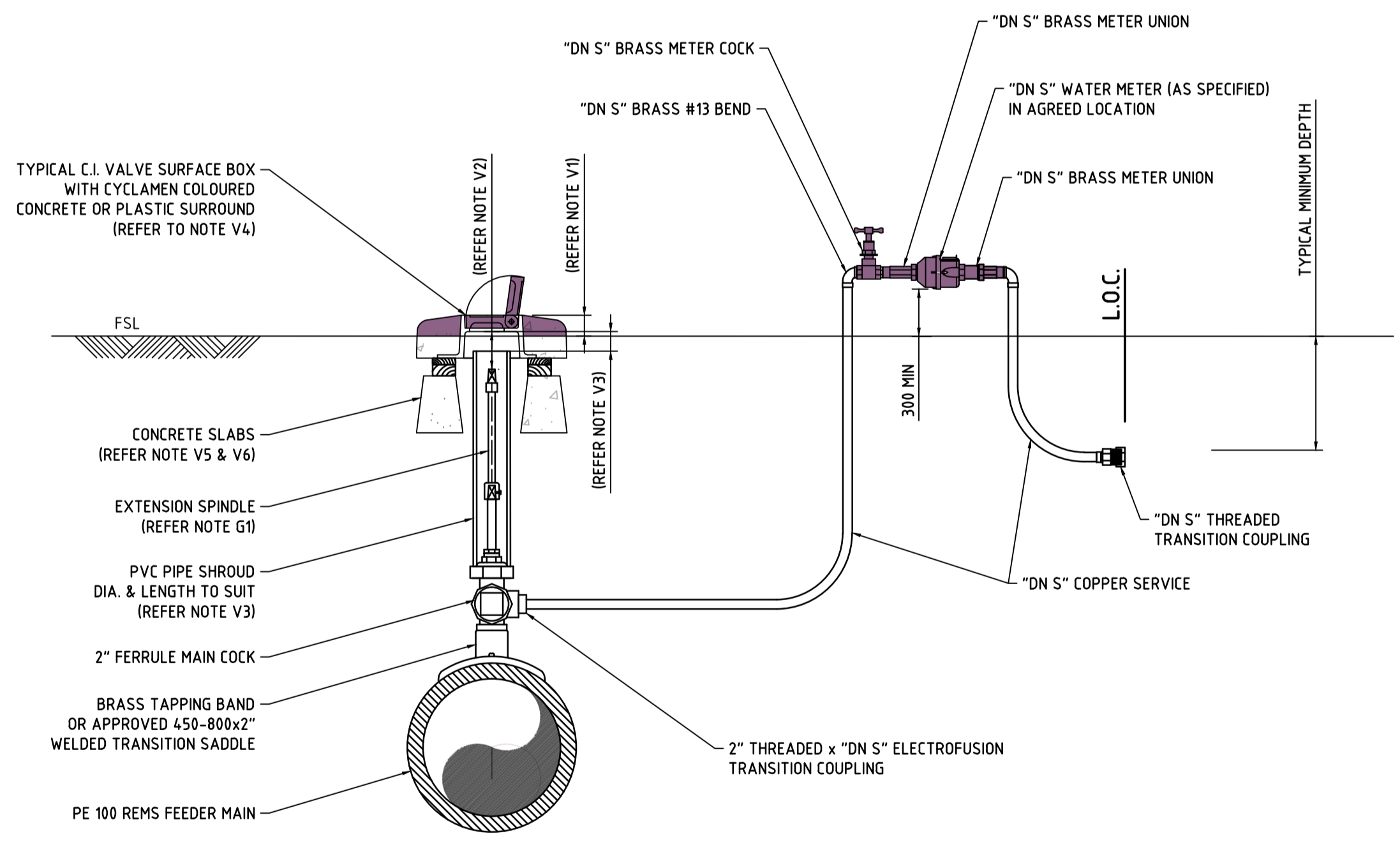


TYPICAL LONG SERVICE SECTION



TYPICAL SHORT SERVICE SECTION

ABREVIATIONS:

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

TABLE 1 - SERVICE LINE EQUIVALENCES

"DN S"	COPPER & METER (DN)	PE100 (mm)
20	20	25
25	25	32
32	32	40
50	50	63

GENERAL NOTES:

- G1 EXTENSION SPINDLE TO BE USED WHERE DEPTH FROM F.S.L. TO TOP OF MAIN COCK 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 NOMINAL DIAMETER (DN) OF PIPE IS BASED ON THE:
 - THE PIPES INTERNAL DIAMETER (ID) FOR ALL PIPE (OTHER THAN PE PIPE)
 - THE PIPES OUTSIDE DIAMETER (OD) FOR PE PIPE.
- 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)
- G7 ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED

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, CAMLOCK 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

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 DI. GATE VALVE (CLOCKWISE CLOSE)

CONSTRUCTION ISSUE

REVISION DETAILS				CONSULTANT DETAILS:		DESIGNED:			DATE:			COMPANY:			TITLE:					
No.	1	2	3	DWN	DATE	R.D.			1-6-15			S.W.			RECLAIMED WATER MANAGEMENT SCHEME					
						R.D.			1-6-15			S.W.			REMS 1B					
						R.D.			24-06-16			S.W.			SERVICE LESS THAN 80mm					
						R.H.			24-06-16			S.W.			TYPICAL LONG AND SHORT SERVICE WITH TYPICAL METER ARRANGEMENT					
				CONSULTANT REFERENCE No.		APPROVED:			DATE:			COMPANY:			SIZE:	SCALE:	INDEX No.	DRAWING No.	SHEET	REV No.
						R.H.			24-06-16			S.W.			A1	N.T.S.		24066	014	2