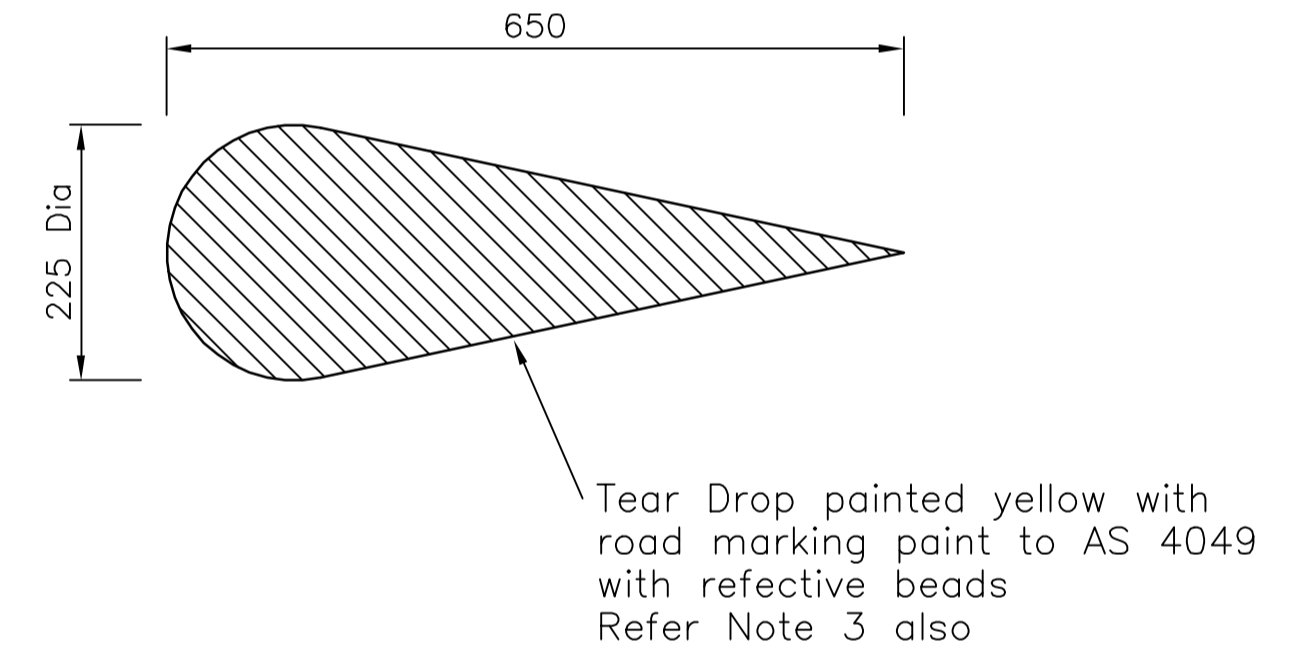


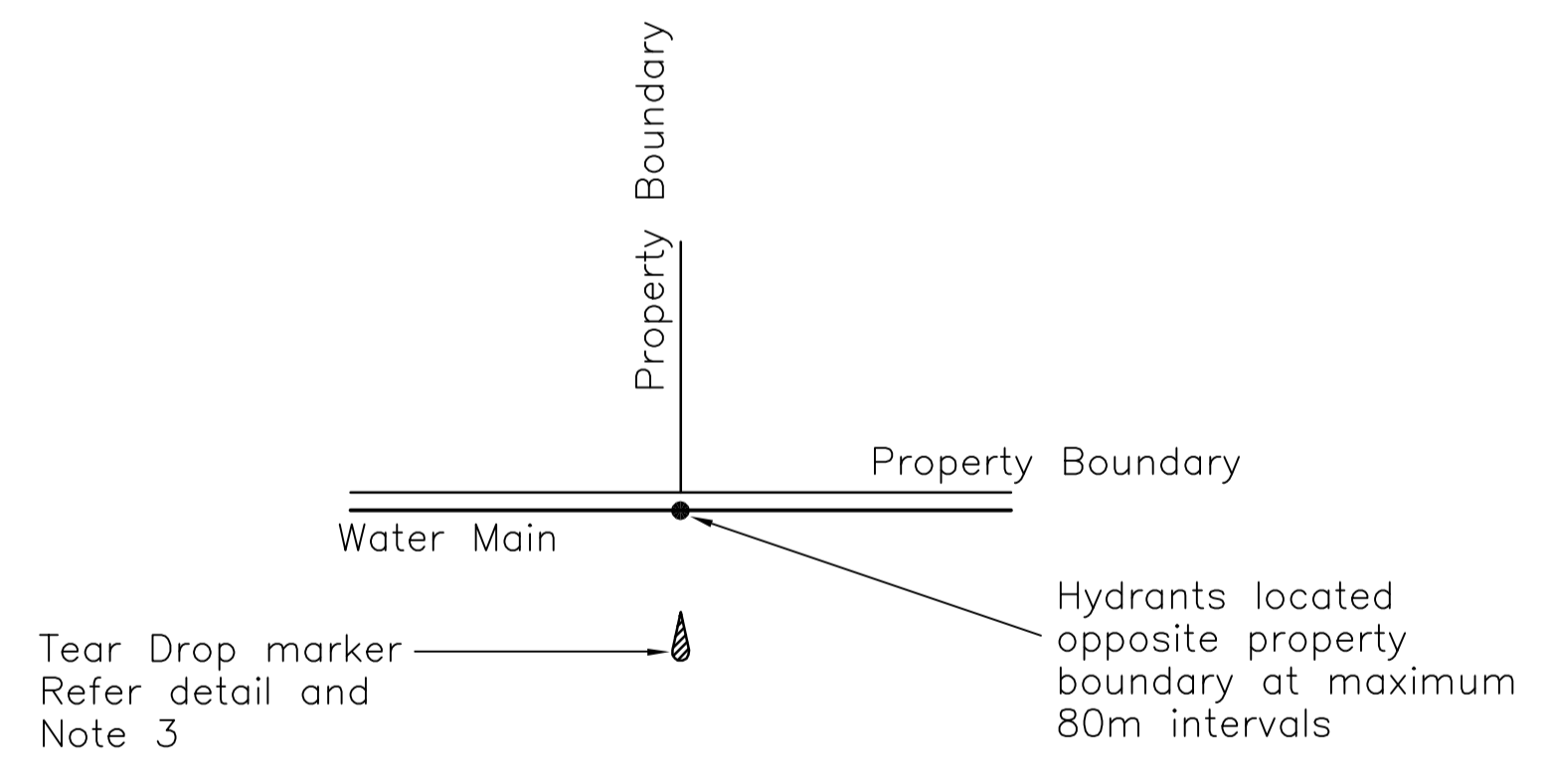
**DETAIL A**

Fitting No.	Description
1	100ø uPVC Water pipe Class 16, 500mm long
2	100ø DI CL hydrant tee, hydrant, cover box etc
3	100x100ø DI tee (SO-SO-FL)
4	100ø DI blank flange, tapped 50 BSP
5	50ø brass hex nipple
6	50ø bronze gate valve (F and F)
7	50 MI - 63 OD end connector
8	63 OD MDPE PN 12.5 pipe
9	100ø Sluice valve (SO-SO) Valve cover box etc
10	100ø DI end cap, tapped 50 BSP
11	50øx90° Copper bend (M and F)

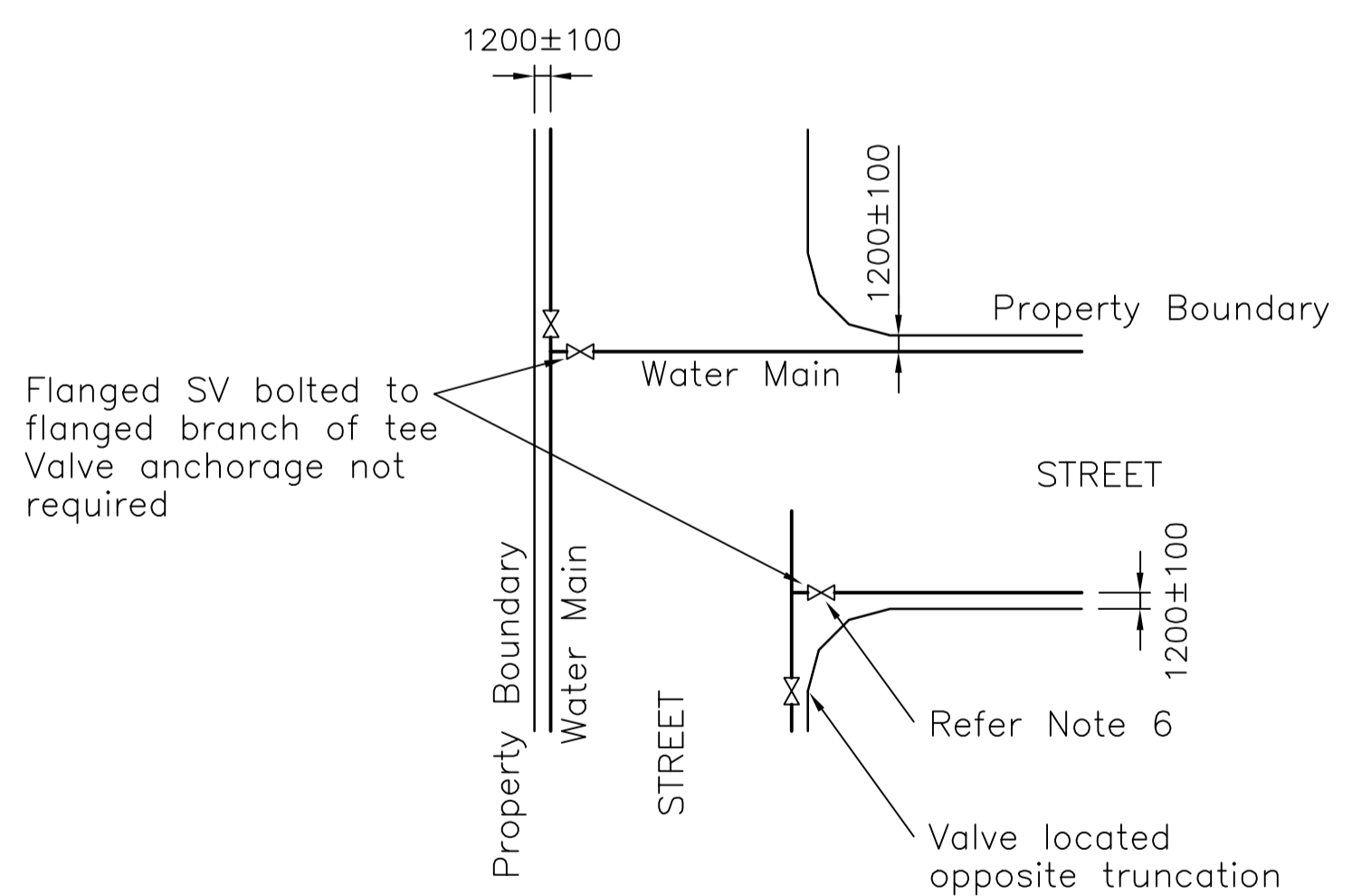
**TYPICAL CUL-DE-SAC**  
(MAXIMUM 8 ALLOTMENTS SERVED BY LOOP MAIN)



**PLAN**  
**TEAR DROP HYDRANT MARKER**



**HYDRANT LOCATION**



**VALVE LOCATIONS**  
(ALTERNATIVE MAIN LAYOUTS)

**NOTES**

1. Water mains to be located 1200mm ± 100mm off property boundary.
2. Pipes for water mains to be uPVC Class 16, OD compatible complying with AS 1477 Series 2 or ductile iron cement lined, bitumen coated Class K9 complying with AS 2280 with polyethylene sleeve. Pipe fittings to be ductile iron complying with AS 2280, either cement lined internally and coated with approved fusion bonded epoxy or coated internally and externally with approved fusion bonded nylon. MDPE pipe to be PN 12.5 complying with AS 4130.
3. Hydrant to be indicated by Tear Drop marker on road centreline or on boundary of traffic/parking lanes, perpendicular to actual hydrant location with tail of drop pointing towards hydrant.
4. For roadways with kerb and channel, face and top of kerb to be painted for 300mm yellow in line with each hydrant and white in line with each valve.
5. For roadways without kerb and channel. Refer Drawing 10320.
6. If valve encroaches on kerb and channel or roadway locate valve opposite truncation.
7. Last hydrant in cul-de-sac to be not more than 40m from furthest allotment.
8. For valve and hydrant installations. Refer Drawing 10315.

NOTES : Not to Scale



**CITY OF THURINGOWA**  
86 Thuringowa Drive, Thuringowa Central, QLD. 4817  
Phone: 07 4773 8411 Fax: 07 4773 8600

**WATER MAIN LOCATION DETAILS**

**STANDARD DRAWING WATER**

**10300**

No.	DATE	DESCRIPTION	AP'D
A	1/7/99	ORIGINAL ISSUE	
REVISIONS			

DRAWN: NRN	Engineer Approved: Original Signed by C.Phillips Date: 13/12/1999
CHECKED: WJP	D.E.S. Approved: Original Signed by K.Shephard Date: 13/12/1999

A