

COVER UNDER FOOTPATHS
SECTION A
Refer Standard Drawing RS-100

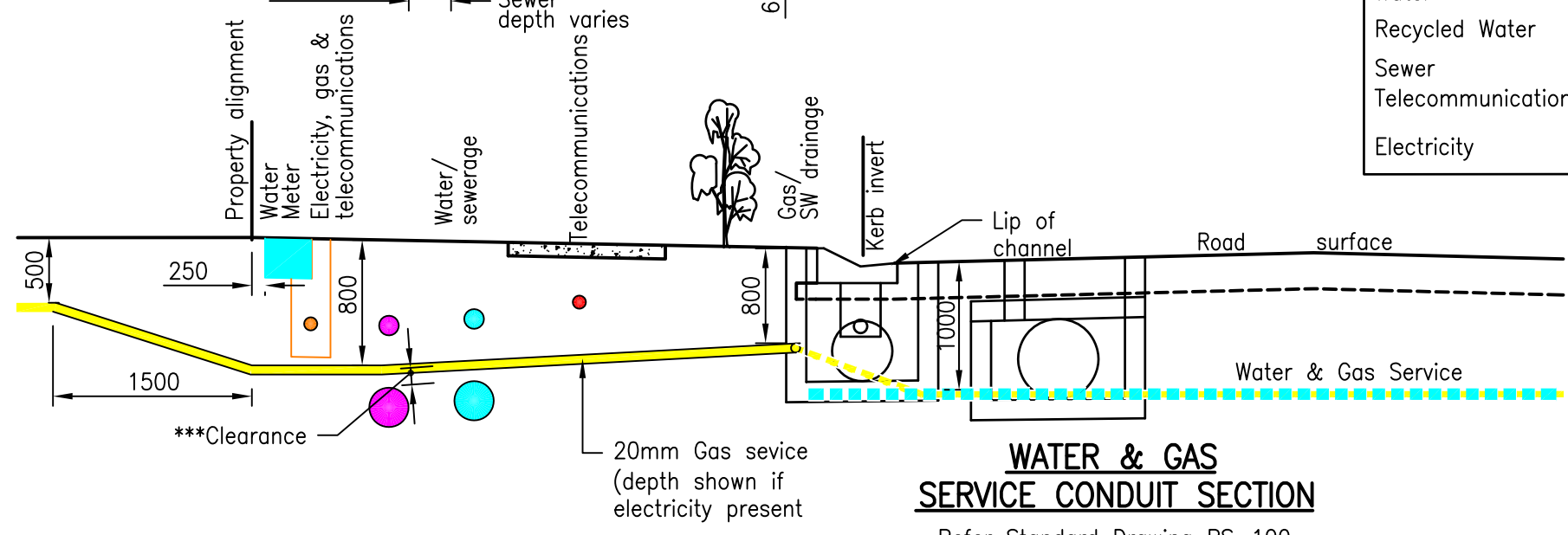
LEGEND

Road Crossing Conduits Shown by Dashed Lines

Gas	G	Yellow
Water	W	Blue(light)
Recycled Water	REW	Lilac
Sewer	S	Green
Telecommunications	T	Red
Electricity	E	Orange

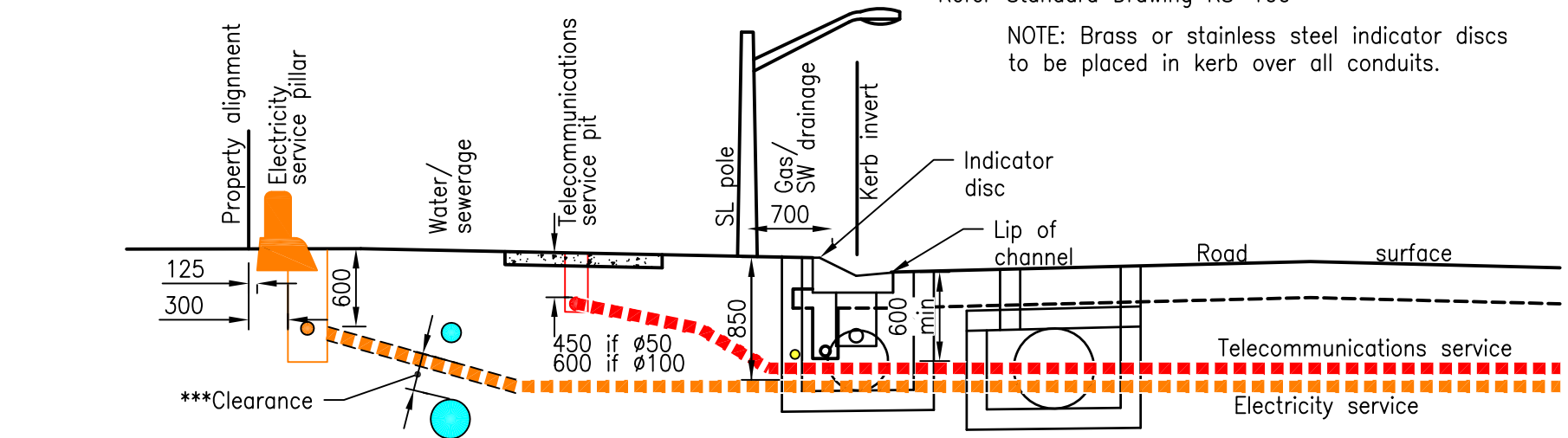
**Service conduit crossing for residential street.

COVER UNDER ROADS
SECTION A
Refer Standard Drawing RS-100



WATER & GAS
SERVICE CONDUIT SECTION
Refer Standard Drawing RS-100

NOTE: Brass or stainless steel indicator discs to be placed in kerb over all conduits.



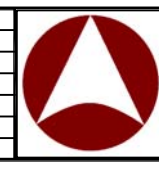
ELECTRICITY & TELECOMMUNICATIONS
SERVICE CONDUIT SECTION
Refer Standard Drawing RS-100

NOTES:

1. Allowable service area for Water mains depends on Water main diameter and acceptable trench widths.
2. Alternate telecommunications corridor if shared trenching is unacceptable. The Telecommunications corridor is to be shared by all Telecommunications Carriers.
3. Refer to RS-065 for Footpath details.
4. Water conduit to be encased in lean mix concrete if less than 150mm cover below the bottom of box.
5. Brass or stainless steel indicator discs to be placed in kerb over all conduits.
6. The alignment and depth of existing services shall be confirmed on site in consultation with relevant service authorities prior to any excavation and shall not be inferred from the service allocation drawings.
7. Developers shall negotiate with all relevant communications companies for the provision of conduits at the design phase of development. Various joint use arrangements exist amongst electricity and communications providers.
8. Various configurations of trench width and conduit numbers/diameters exist for common trench arrangements between service providers of electricity, communications and gas. Refer Electricity and Telecommunications authorities Standard Drawings.
9. Tunnel boring techniques are to be utilised for road crossing services conduits in existing roadway.
10. For landscaping considerations the intent is to generally provide a main services corridor on one side of the street only. The utilisation of verges is dependent on service authority infrastructure demands, which may require that both verges for services should be avoided where possible.
11. Landscaping designs shall give due consideration to the provision of driveway accesses and clearances to service pits, pillars and poles for maintenance access.
12. Plants species shall be selected which minimise the potential for root damage to underground services, pathways and kerb and channel.
13. The mature height and spread of plants shall be considered when assessing visibility sight lines for safe vehicular and pedestrian functions and street lighting requirements applicable to the road classification.
14. Planting of approved shrubs may be permitted over water mains (including recycled water mains) greater than 300mm in diameter and over gas mains.
15. All dimensions are in millimetres unless shown otherwise.

These drawings have been developed in consultation between the participating Councils. BEFORE USE, the user shall confirm that the drawing has been adopted by the appropriate Council.

Rv.	DATE	REVISIONS
D	06/14	Review
C	03/14	Amended Drawing Number
B	06/09	Review
A	3/08	ORIGINAL ISSUE



INSTITUTE OF PUBLIC WORKS ENGINEERING AUSTRALASIA
STANDARD DRAWINGS

PUBLIC UTILITIES
TYPICAL SERVICE CONDUIT SECTIONS

RS-101

Rv.
D
C
B
A