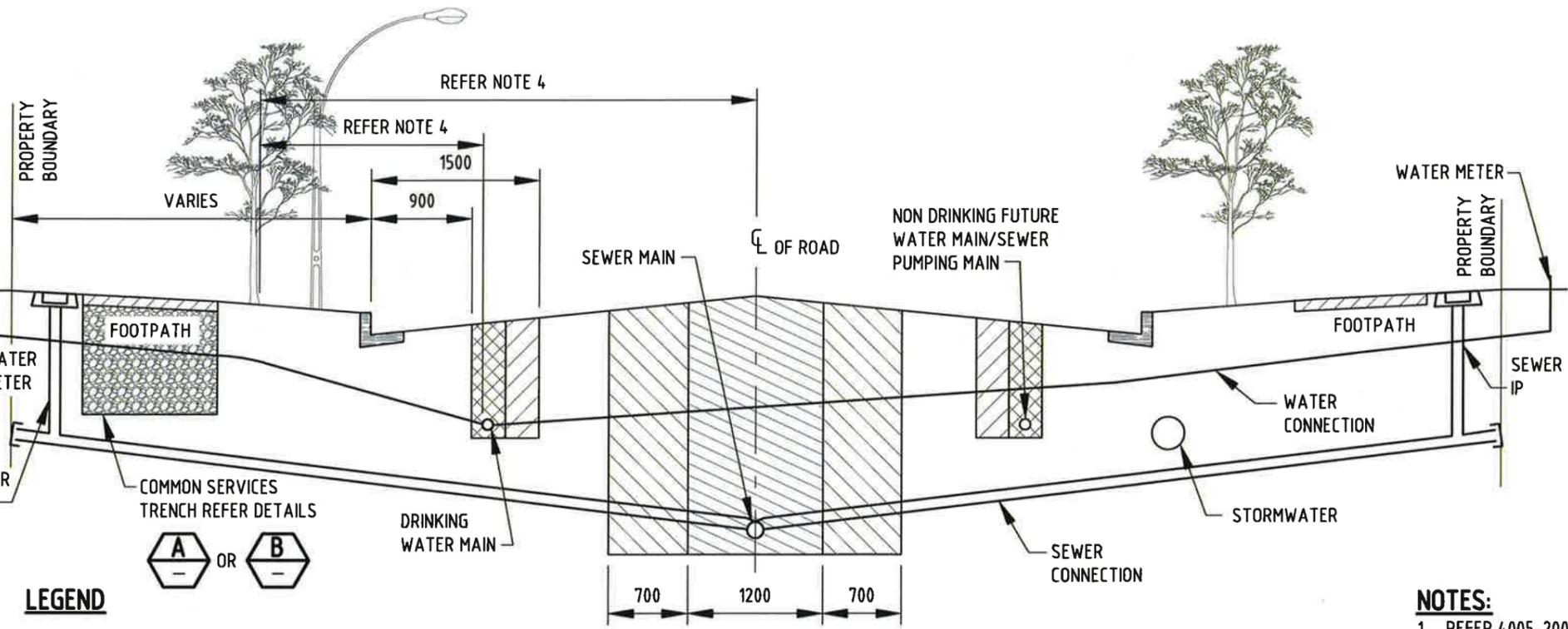
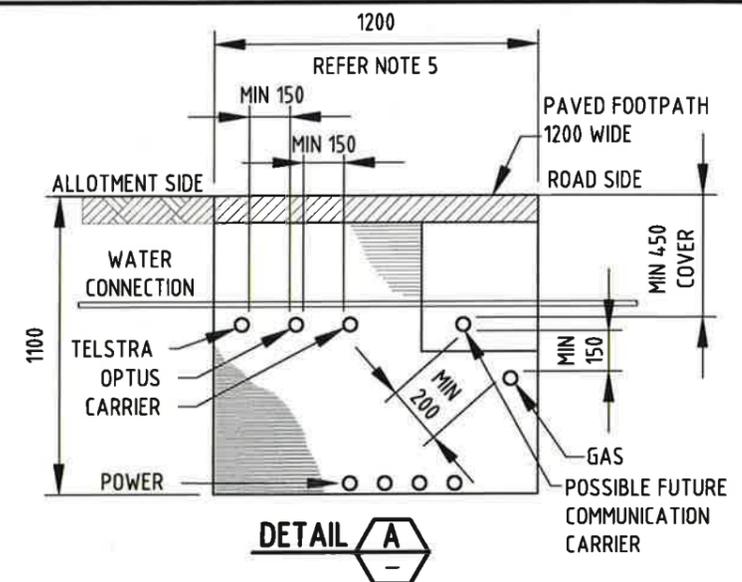


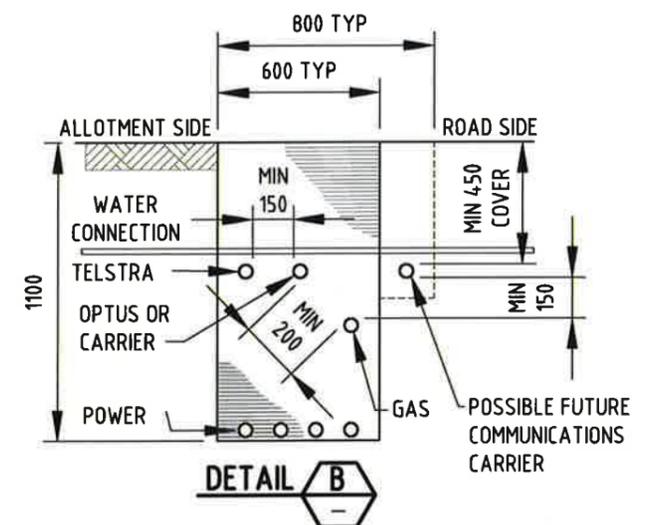
NARROW ROAD WITH SINGLE FOOTPATH



CONVENTIONAL ROAD WITH DOUBLE FOOTPATH



TYPICAL COMMON SERVICE TRENCH BENEATH FOOTPATH



ALTERNATIVE COMMON SERVICE TRENCH TRENCH BESIDE FOOTPATH

LEGEND

- WATER
- BAND WIDTH FOR WATER MAINS
- ADDITIONAL BAND WIDTH FOR WATER MAINS IN WIDER CARRIAGEWAYS (7.0M AND GREATER) TO INCREASE CLEARANCE FROM KERB FACE
- SEWER
- BAND WIDTH FOR SEWER MAINS
- ADDITIONAL BAND WIDTH FOR SEWER MAINS IN WIDER CARRIAGEWAYS (ACCESS CHAMBERS MAY EXTEND INTO THIS BAND)

NOTES:

1. REFER 4005-20002-01 & 4005-20002-02 FOR GENERAL NOTES.
2. THIS DRAWING SHOULD BE CONSIDERED TOGETHER WITH THE 'SERVICES IN STREET CODE'.
3. THE OPTION OF LOCATING THE NON DRINKING WATER PIPE ON THE SAME SIDE OF THE ROAD AS THE DRINKING WATER PIPE IS ONLY PERMITTED WHERE THE NON DRINKING WATER PIPE IS AN SA WATER ASSET.
4. OPTIMUM TREE SEPARATION:
SEWER - 3500 (FOR SCHEDULE 2 TREES)
WATER - 1000
5. COMMON SERVICES TRENCH WIDTH VARIABLE. REFER DESIGN DRAWINGS FOR DETAIL.
6. ALL DIMENSIONS IN MILLIMETRES.

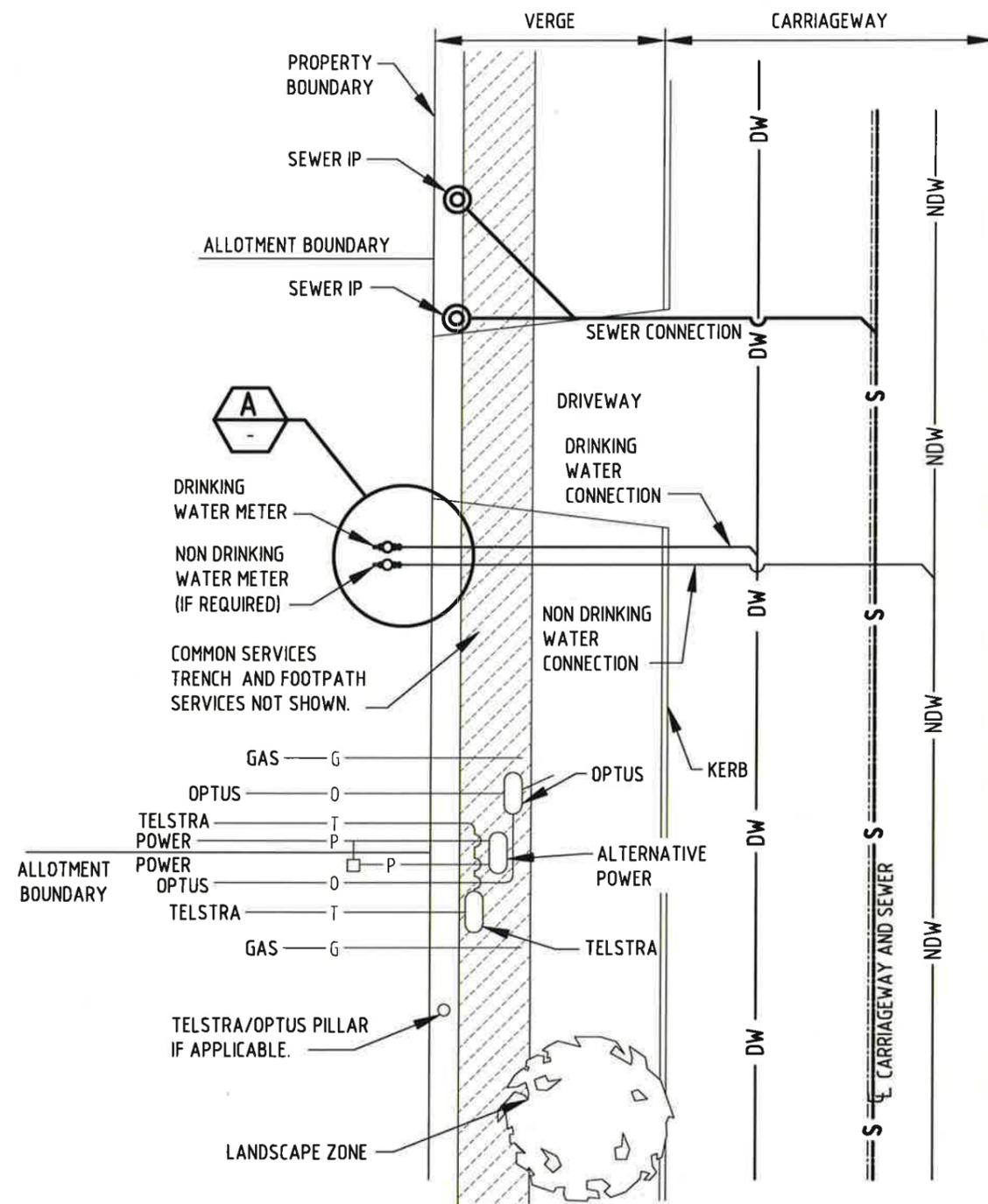
REVISION PANEL				
REV	DATE	DRN	DETAILS	APR
1	31/03/16	MS	2016 STANDARDS REVIEW	TG

DESIGN PANEL	
DESIGNED: 03/08/15 RJP	AUTHORISED: 31/03/16 T.GALEK
DRAWN: 25/09/15 MS	SIGNATURE: <i>T. Galek</i>
REVIEWED: 21/03/16 TG	

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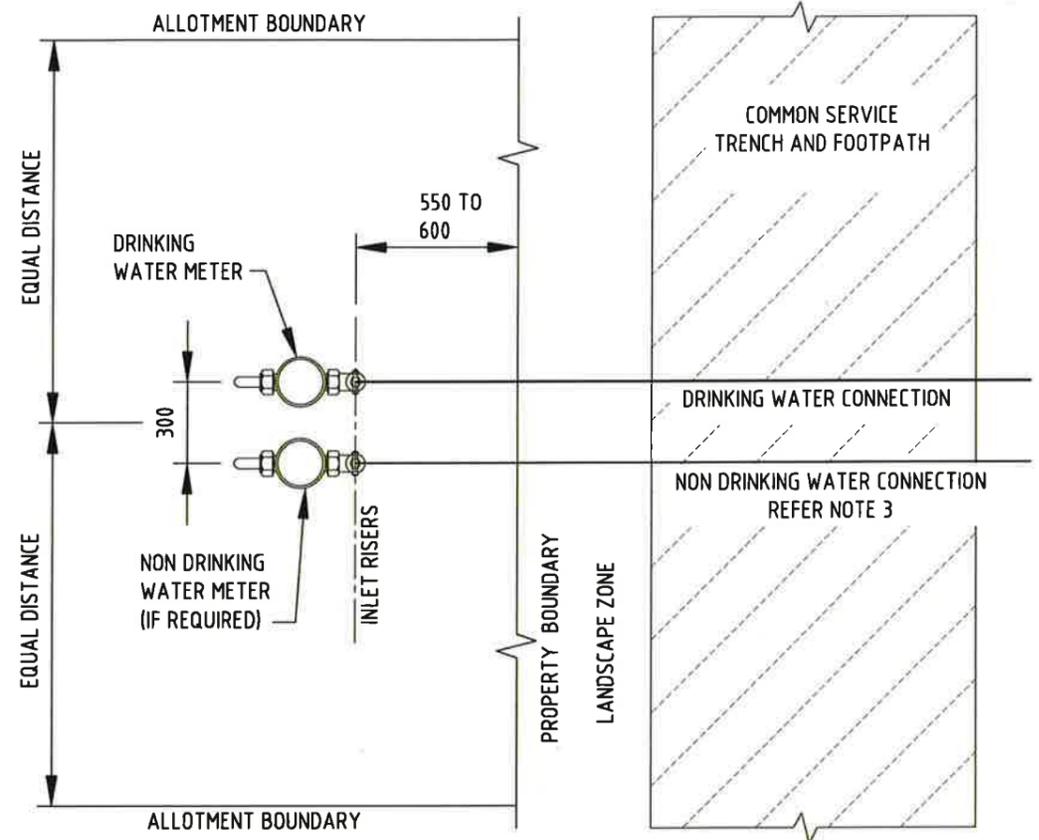
SA WATER STANDARD DRAWINGS
SEWER CONSTRUCTION MANUAL
ALLOCATION OF SPACE FOR SERVICES IN
NEW LAND DIVISIONS
TYPICAL LAYOUT

A3 SHT SIZE	1 REVISION
TOTAL SHEETS:	
SUPERSEDES: 91-0084-01 (D1)	
DRAWING NUMBER	
4005-20004-01	
PREFIX	NUMBER SHEET



CONNECTION LAYOUT FOR ALLOTMENTS > 8m WIDE

NOT TO SCALE



DETAIL A WATER CONNECTIONS

NOTES:

- REFER 4005-20002-01 & 4005-20002-02 FOR GENERAL NOTES.
- LOCATION OF CONNECTIONS:
WATER CONNECTIONS - DRINKING WATER AND NON DRINKING WATER:
 - STANDARD 'DEFAULT' POSITIONS ARE AS SHOWN.
 - ALTERNATIVE POSITIONS MAY BE SPECIFIED ON THE DESIGN DRAWING. APPROVAL OF THE SA WATER REPRESENTATIVE IS REQUIRED FOR THIS OPTION.
- NON DRINKING WATER PIPE & METER CONNECTION SHALL BE POSITIONED TO THE LEFT OF DRINKING WATER CONNECTION WHEN VIEWED FROM ROADWAY.
- FOR DUAL RETICULATION SYSTEMS (DRINKING WATER & NON DRINKING WATER) THE LOCATIONS AND CLEARANCES SHOWN ON THIS DRAWING SHALL BE ADHERED TO REGARDLESS OF WHETHER THE NON DRINKING WATER SYSTEM SCHEME IS SA WATER OR PRIVATELY OPERATED.
- SEWER CONNECTIONS:
 - FOR STANDARD POSITIONS REFER SEWER CONSTRUCTION MANUAL, SECTION 6.
 - OBSTRUCTIONS OR EXISTING DRAINS MAY REQUIRE AN ALTERNATIVE LOCATION.
 - SINGLE CONNECTIONS SHALL BE USED. SHOULD THE DESIGNER CONSIDER THE USE OF A 'Y' CONNECTION TO SERVE ADJOINING ALLOTMENTS, DETAILS FOR THIS OPTION SHALL BE PROVIDED TO SA WATER REPRESENTATIVE FOR APPROVAL.
 - SINGLE CONNECTIONS SHALL BE ON LOW SIDE OF ALLOTMENT UNLESS IT IS IMPRACTICAL.
- ALL DIMENSIONS IN MILLIMETRES.

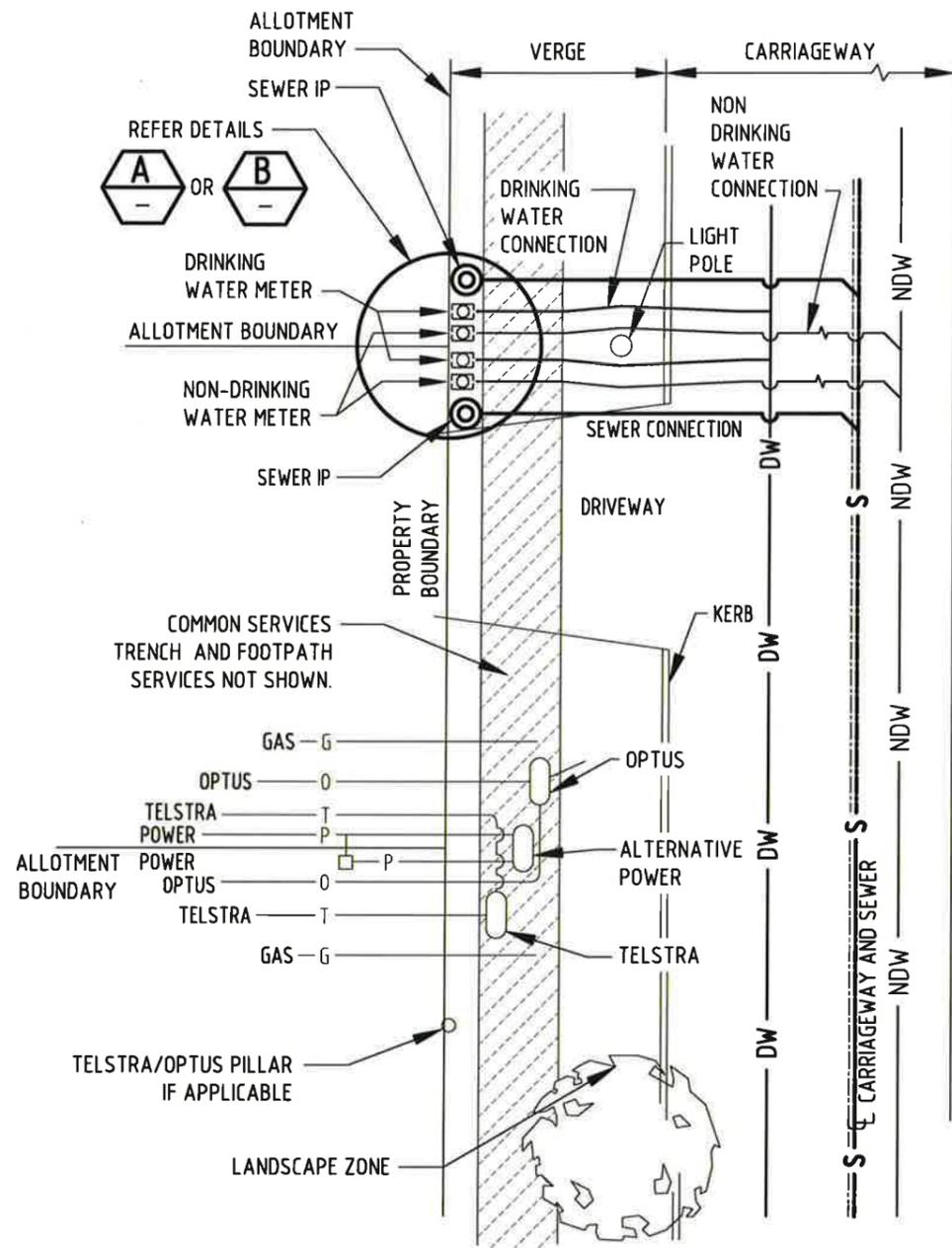
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REV	DATE	DRN	DETAILS	APR
1	31/03/16	MS	2016 STANDARDS REVIEW	TG

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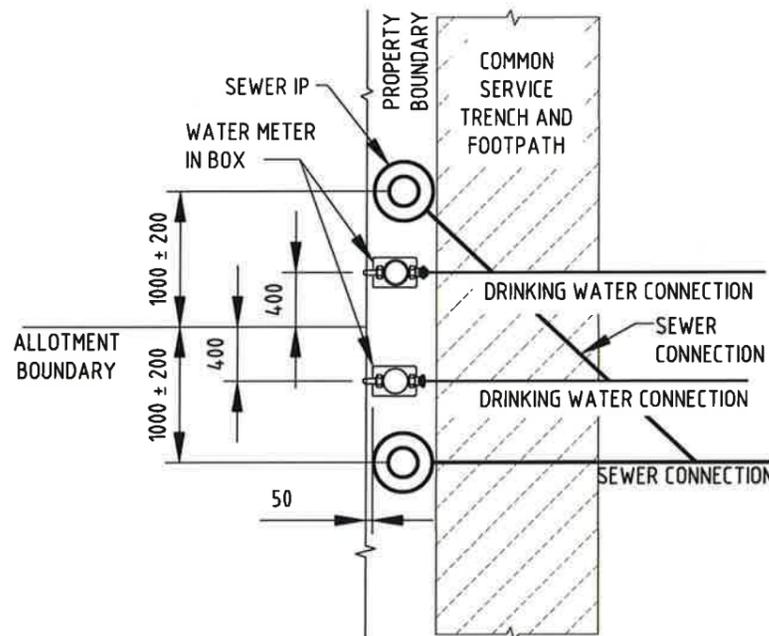
SA WATER STANDARD DRAWINGS
SEWER CONSTRUCTION MANUAL
ALLOCATION OF SPACE FOR
SERVICES IN LAND DIVISIONS
ALLOTMENT FRONTAGE GREATER THAN 8 m

A3 SHT SIZE	1 REVISION
TOTAL SHEETS:	
SUPERSEDES: D2, D3	
DRAWING NUMBER	
4005-20004-02	
PREFIX	NUMBER SHEET



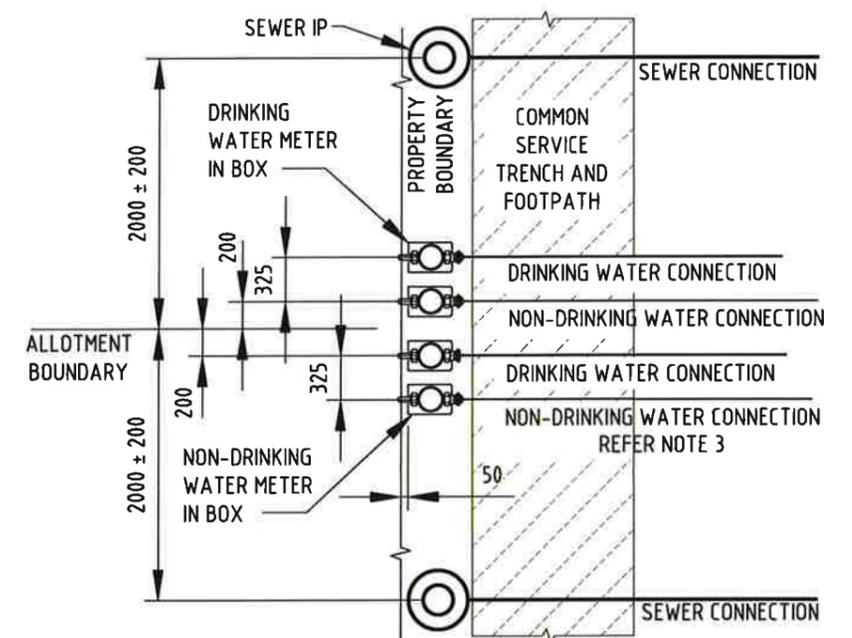
CONNECTION LAYOUT FOR ALLOTMENTS < 8m WIDE

NOT TO SCALE



DETAIL A

SINGLE WATER CONNECTION LAYOUT FOR ALLOTMENTS < 8m WIDE



DETAIL B ALTERNATIVE

DUAL WATER CONNECTION LAYOUT FOR ALLOTMENTS < 8m WIDE

NOTES:

- REFER 4005-20002-01 & 4005-20002-02 FOR GENERAL NOTES.
- LOCATION OF CONNECTIONS:
WATER CONNECTIONS - DRINKING WATER AND NON DRINKING WATER:
 - STANDARD 'DEFAULT' POSITIONS ARE AS SHOWN.
 - ALTERNATIVE POSITIONS MAY BE SPECIFIED ON THE DESIGN DRAWING. APPROVAL OF THE SA WATER REPRESENTATIVE IS REQUIRED FOR THIS OPTION.
- NON DRINKING WATER PIPE & METER CONNECTION SHALL BE POSITIONED TO THE LEFT OF DRINKING WATER CONNECTION WHEN VIEWED FROM ROADWAY.
- FOR DUAL RETICULATION SYSTEMS (DRINKING WATER & NON DRINKING WATER) THE LOCATIONS AND CLEARANCES SHOWN ON THIS DRAWING SHALL BE ADHERED TO REGARDLESS OF WHETHER THE NON DRINKING WATER SYSTEM SCHEME IS SA WATER OR PRIVATELY OPERATED.
- WATER METERS ARE SHOWN IN A SA WATER APPROVED METER BOX.
HOWEVER, THE ABOVE GROUND METER LOCATION IS THE PREFERRED ALTERNATIVE. REFER 4005-30004-02 FOR DETAILS.
- SEWER CONNECTIONS:
 - FOR STANDARD POSITIONS REFER SEWER CONSTRUCTION MANUAL, SECTION 6.
 - OBSTRUCTIONS OR EXISTING DRAINS MAY REQUIRE AN ALTERNATIVE LOCATION.
 - SINGLE CONNECTIONS SHALL BE USED. SHOULD THE DESIGNER CONSIDER THE USE OF A 'Y' CONNECTION TO SERVE ADJOINING ALLOTMENTS, DETAILS FOR THIS OPTION SHALL BE PROVIDED TO SA WATER REPRESENTATIVE FOR APPROVAL.
 - SINGLE CONNECTIONS SHALL BE ON LOW SIDE OF ALLOTMENT UNLESS IT IS IMPRACTICAL.
- ALL DIMENSIONS IN MILLIMETRES.

REVISION PANEL				
REV	DATE	DRN	DETAILS	APR
1	31/03/16	MS	2016 STANDARDS REVIEW	TG

DESIGN PANEL	
DESIGNED: 03/08/15 RJP	AUTHORISED: 31/03/16 T.GALEK
DRAWN: 25/09/15 MS	SIGNATURE: <i>T. Galek</i>
REVIEWED: 21/03/16 TG	

SA WATER STANDARD DRAWINGS
 SEWER CONSTRUCTION MANUAL
 ALLOCATION OF SPACE
 FOR SERVICES IN LAND DIVISIONS
 ALLOTMENT FRONTAGE LESS THAN 8m

A3 SHT SIZE	1 REVISION
TOTAL SHEETS:	
SUPERSEDES: D4, D5	
DRAWING NUMBER 4005-20004-03	
PREFIX	NUMBER SHEET