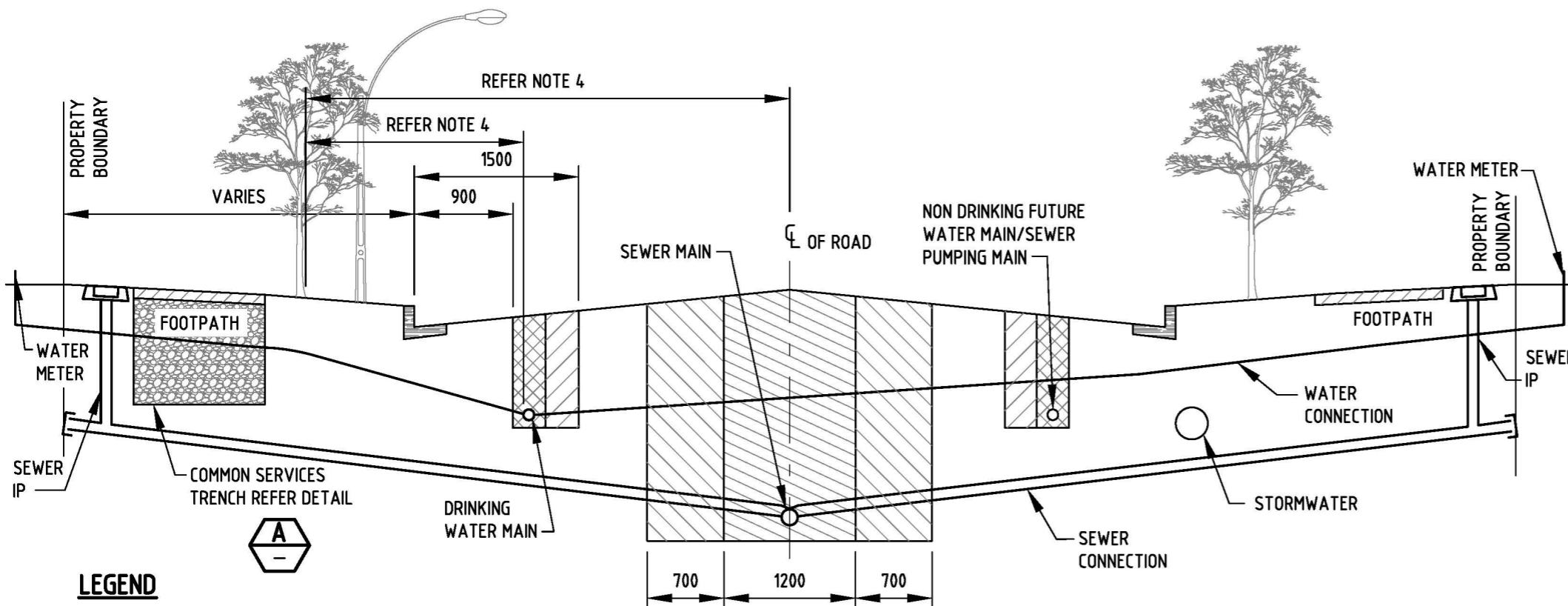


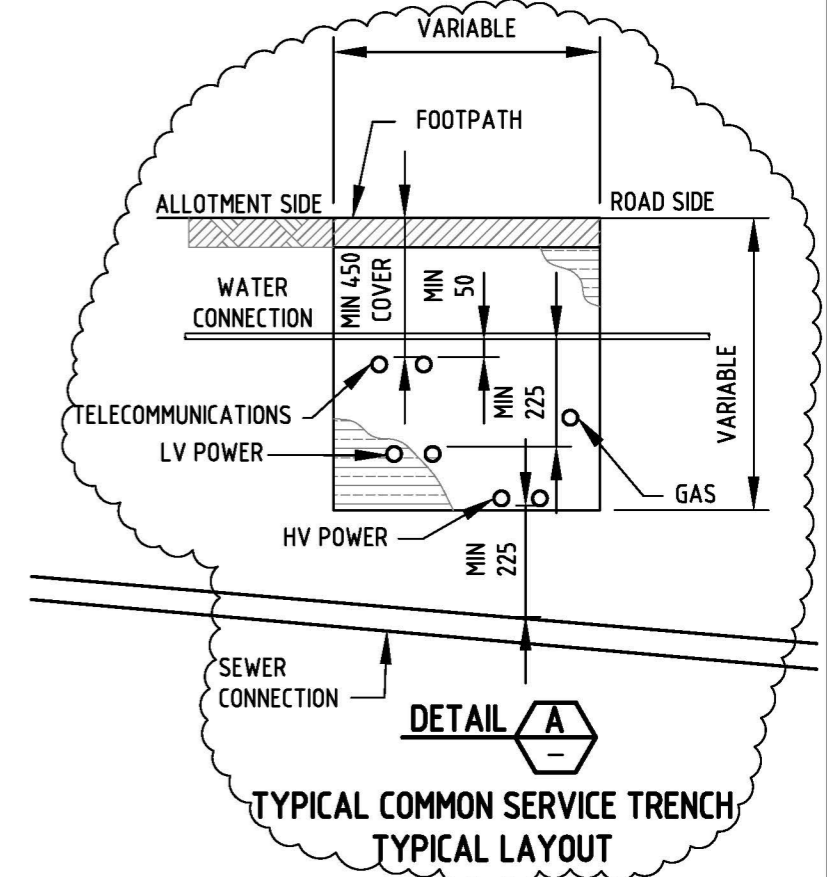
NARROW ROAD WITH SINGLE FOOTPATH



CONVENTIONAL ROAD WITH DOUBLE 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)



TYPICAL COMMON SERVICE TRENCH TYPICAL LAYOUT

REFER CONSULTANT DESIGN DRAWINGS FOR ARRANGEMENT FOR EACH DEVELOPMENT

NOTES:

1. REFER 4005-30002-01 TO 4005-30002-04 FOR GENERAL NOTES AND DESIGN GUIDELINES.
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. COMMON SERVICES TRENCH ARRANGEMENT VARIABLE. REFER CONSULTANT DESIGN DRAWINGS FOR DETAIL.
5. THE DESIGNER SHOULD ENSURE THAT THE MINIMUM VERTICAL CLEARANCE BETWEEN ELECTRICAL CABLES IN THE CST AND THE SEWER CONNECTION IS ACHIEVED. THE LEVEL OF THE ELECTRICAL CABLES MAY IMPACT THE CONNECTION DEPTH AND SEWER MAIN INVERT LEVEL.
6. REFER WSA 03 - 2011, TABLE 5.5 FOR MINIMUM HORIZONTAL AND VERTICAL CLEARANCE REQUIREMENTS FROM WATER INFRASTRUCTURE.
7. FOR THE SEPARATION DISTANCE BETWEEN TREES AND CONNECTIONS REFER 4005-30004-04.
8. ALL DIMENSIONS IN MILLIMETRES.

REVISION PANEL				
REV	DATE	DRN	DETAILS	APR
2	22/09/17	RP	DETAIL A AND NOTES REVISED. DETAIL B REMOVED.	TG
1	31/03/16	MS	2016 STANDARDS REVIEW	TG

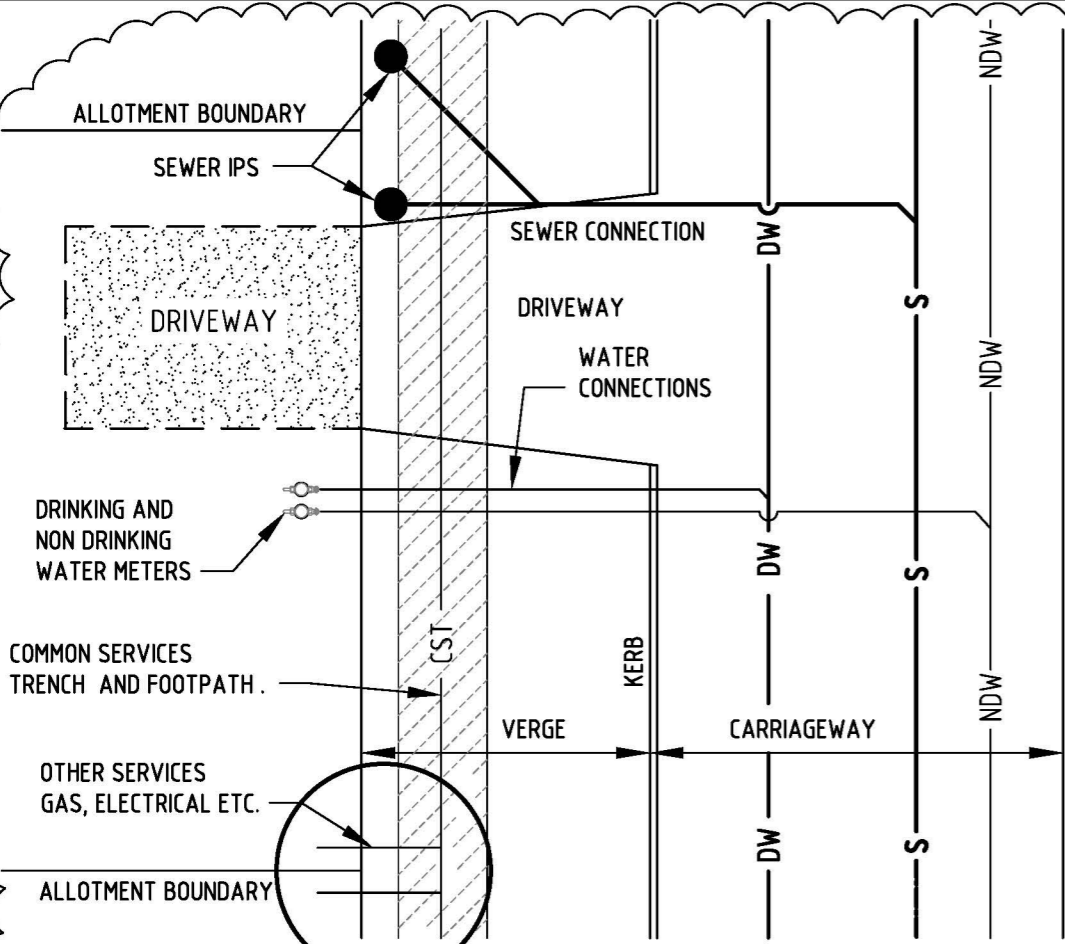
DESIGN PANEL			
DESIGNED:	03/08/15	AUTHORISED:	31/03/16
RJP		T.GALEK	
DRAWN:	25/09/2015	SIGNATURE:	
MS			
REVIEWED:	21/03/2016	ORIGINAL SIGNED	
TG			

SA Water

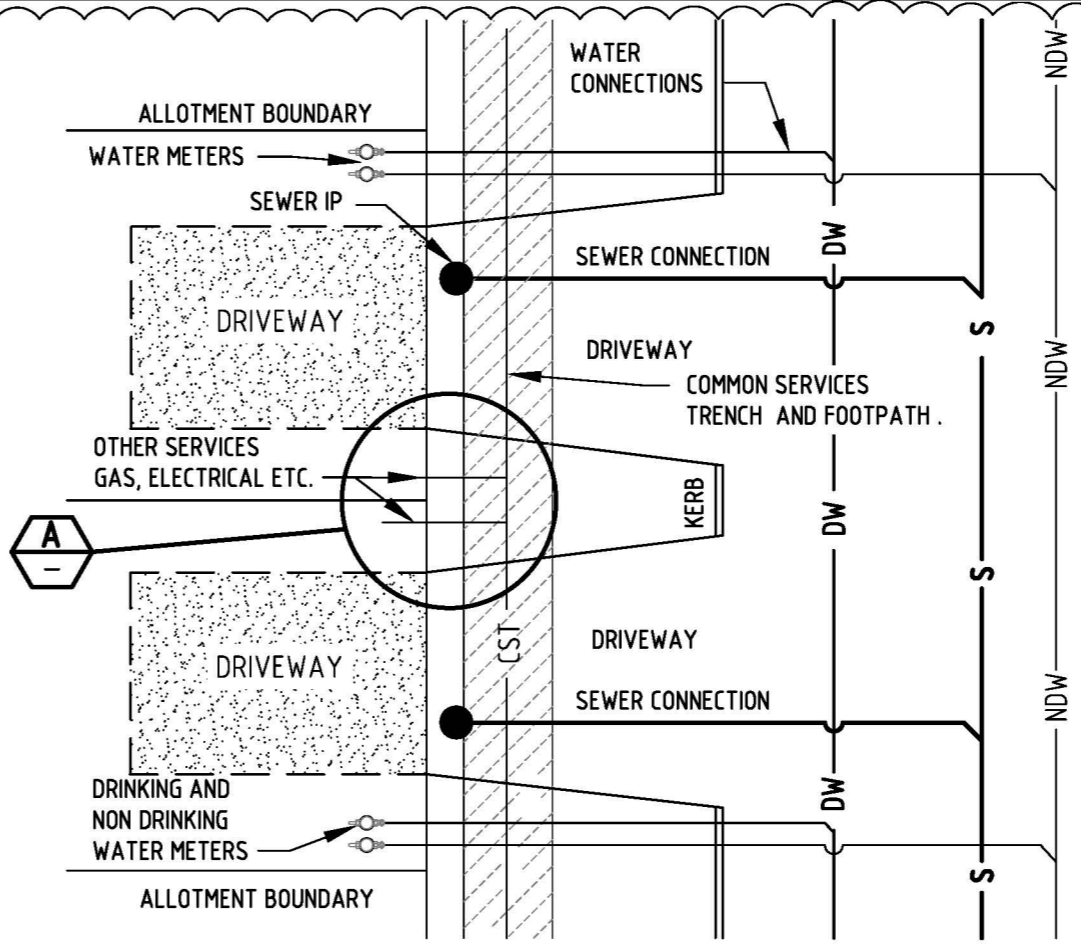
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SA WATER STANDARD DRAWINGS
SEWER CONSTRUCTION MANUAL
ALLOCATION OF SPACE FOR SERVICES IN
NEW LAND DIVISIONS
TYPICAL STREET LAYOUT

A3	2
SHT SIZE	REVISION
TOTAL SHEETS:	
SUPERSEDES: 91-0084-01 (D1)	
DRAWING NUMBER	
4005-20004-01	
PREFIX	NUMBER SHEET

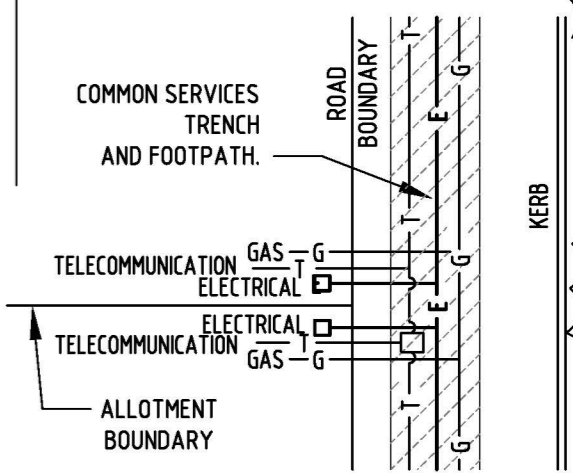


ALLOTMENT WIDTH > 8 METRES



ALLOTMENT WIDTH < 8 METRES

TYPICAL CONNECTION LAYOUTS
NTS



DETAIL A

CST CONNECTIONS
TYPICAL LAYOUT

CONNECTIONS POSITIONS SUMMARY		
LOT WIDTH	DRINKING AND NON DRINKING WATER	SEWER
GENERAL	STANDARD CONNECTION POSITIONS AS SHOWN. THE STANDARD WATER METER ASSEMBLY IS ABOVE GROUND. SA WATER APPROVAL IS REQUIRED FOR: • AN ALTERNATIVE LOCATION • USE OF THE NO. 2 METER BOX IN LIEU OF THE ABOVE GROUND LOCATION. FOR LOCATION OF NON DRINKING WATER CONNECTION REFER 4005-30004-03, NOTE 6.	STANDARD POSITIONS REFER 4005-30004-03 AND SCM, SECTION 6. • BOTH THE 'Y' & SINGLE CONNECTIONS ARE STANDARD. • SINGLE CONNECTIONS SHALL BE ON LOW SIDE OF ALLOTMENT UNLESS IT IS IMPRACTICAL. • OBSTRUCTIONS OR EXISTING DRAINS MAY REQUIRE AN ALTERNATIVE LOCATION TO THE STANDARD. • FOR NON STANDARD POSITION, DETAILS SHALL BE PROVIDED TO SA WATER REPRESENTATIVE FOR APPROVAL.
> 8 METRES	CENTRAL, (APPROXIMATE MIDDLE OF THE ALLOTMENT).	ADJACENT SIDE BOUNDARY 'GENERALLY Y' CONNECTION
< 8 METRES	ADJACENT SIDE BOUNDARY (OPPOSITE BOUNDARY TO GAS, ELECTRICAL ETC). EXTERNAL TO DRIVEWAY LIMITS.	'Y' CONNECTION GENERALLY USED WHERE SINGLE WATER CONNECTION. SINGLE SEWER CONNECTION USED WHERE DUAL WATER CONNECTIONS. CAN BE WITHIN DRIVEWAY.
< 5 METRES	ADJACENT SIDE BOUNDARY (OPPOSITE BOUNDARY TO GAS, ELECTRICAL ETC). EXTERNAL TO DRIVEWAY LIMITS. WHERE SPACE IS LIMITED AND COMPLIANCE WITH THIS REQUIREMENT IS DIFFICULT THE CONSULTANT SHALL ENGAGE WITH SA WATER TO AGREE ON A PERMISSIBLE LOCATION. 400 DIMENSION FROM SIDE BOUNDARY MAY BE REDUCED TO 200 WHERE JUSTIFIED.	LOCATION CAN BE VARIABLE ALONG FRONT BOUNDARY. CAN BE WITHIN DRIVEWAY.

NOTES:

- REFER 4005-30002-01 TO 4005-30002-04 FOR GENERAL NOTES.
- REFER 4005-30004-01 TO 4005-30004-04 FOR DETAILS OF THE STANDARD 'DEFAULT' SA WATER MAIN AND CONNECTION POSITIONS INCLUDING DIMENSIONS FROM BOUNDARIES.
- REFER WSCM SECTION 6 AND SCM SECTION 6 FOR GENERAL CONNECTIONS REQUIREMENTS.
- REFER THE DESIGN DRAWINGS FOR DESIGNED LOCATIONS OF THE CONNECTIONS.

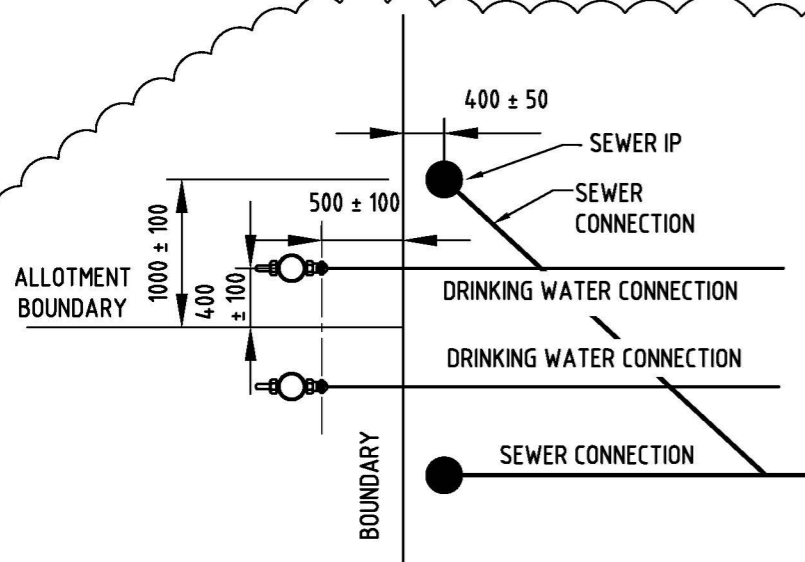
REVISION PANEL				
REV	DATE	DRN	DETAILS	APR
2	22/09/17	RP	NEW INFORMATION PROVIDED	TG
1	31/03/16	MS	2016 STANDARDS REVIEW	TG

DESIGN PANEL			
DESIGNED:	03/08/15	AUTHORISED:	31/03/16
RJP		T. GALEK	
DRAWN:	25/09/15	SIGNATURE:	
MS			
REVIEWED:	21/03/16	ORIGINAL SIGNED	
TG			

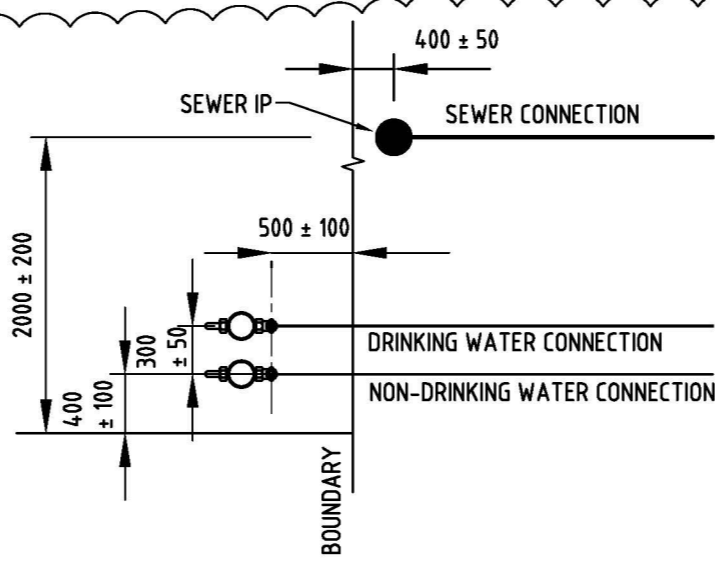
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SA WATER STANDARD DRAWINGS
SEWER CONSTRUCTION MANUAL
ALLOCATION OF SPACE FOR SERVICES
IN NEW LAND DIVISIONS
STANDARD CONNECTION LAYOUT SHEET 1

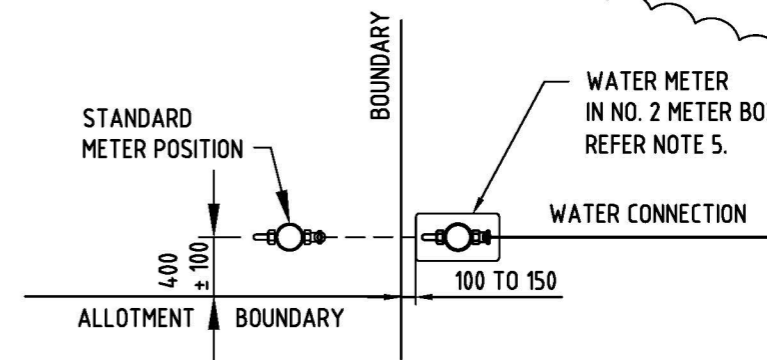
A3	2
SHT SIZE	REVISION
TOTAL SHEETS:	
SUPERSEDES: D4, D5	
DRAWING NUMBER	
4005-20004-02	
PREFIX	NUMBER SHEET



SINGLE WATER CONNECTION



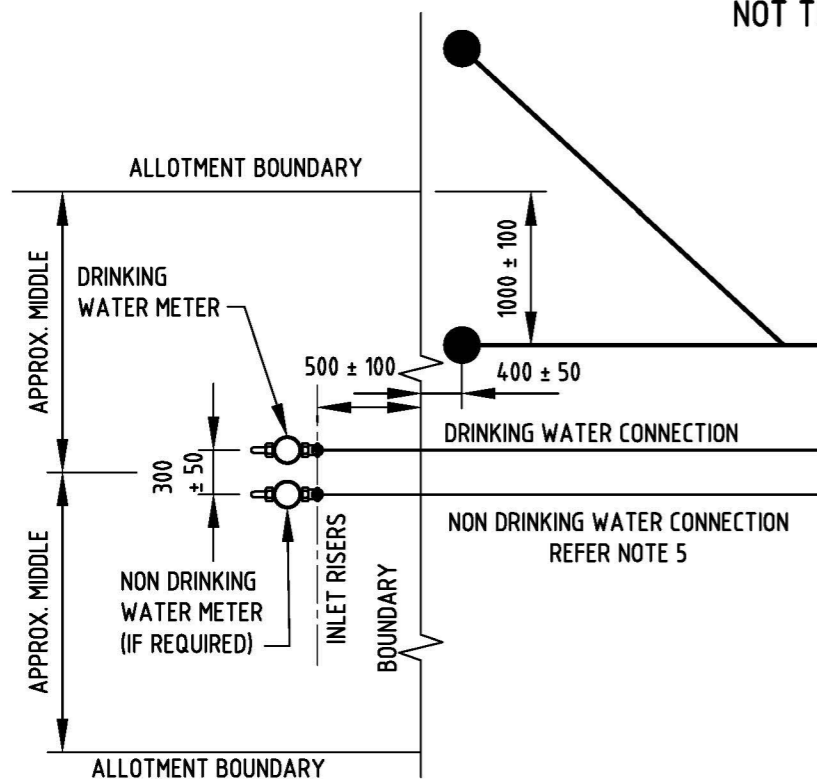
DUAL WATER CONNECTIONS



**POSITION OF NO. 2 METER BOX
(WHEN APPROVED)
NOT TO SCALE**

STANDARD CONNECTIONS LAYOUT FOR ALLOTMENTS < 8 m WIDE

NOT TO SCALE



STANDARD CONNECTIONS LAYOUT FOR ALLOTMENTS > 8m WIDE

NOT TO SCALE

NOTE: A SINGLE WATER CONNECTION SHALL BE IN THE APPROXIMATE MIDDLE POSITION

NOTES:

1. REFER 4005-30002-01 TO 4005-30002-04 FOR GENERAL NOTES AND DESIGN CONSIDERATIONS.
2. REFER 4005-30004-01 TO 4005-30004-04 FOR DETAILS OF THE STANDARD 'DEFAULT' SA WATER MAIN AND CONNECTION POSITIONS INCLUDING DIMENSIONS FROM BOUNDARIES.
3. REFER WSCM SECTION 6 AND SCM SECTION 6 FOR GENERAL CONNECTIONS REQUIREMENTS.
4. REFER THE DESIGN DRAWINGS FOR DESIGNED LOCATIONS OF THE CONNECTIONS.
5. WHERE THE NO. 2 METER BOX IS PROPOSED AS AN ALTERNATIVE TO THE ABOVE GROUND METER POSITION, SPECIFIC APPROVAL IS REQUIRED. THE CONSULTANT IS REQUIRED TO PROVIDE APPROPRIATE DETAIL ON THE DESIGN DRAWINGS TO ENABLE SA WATER TO ASSESS THE JUSTIFICATION OF THIS OPTION.
6. NON DRINKING WATER CONNECTION & METER SHALL BE POSITIONED TO THE LEFT OF DRINKING WATER CONNECTION WHEN VIEWED FROM ROADWAY.
7. 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.
8. ALL DIMENSIONS IN MILLIMETRES.

REVISION PANEL				
REV	DATE	DRN	DETAILS	APR
2	22/09/17	RP	LAYOUTS COMBINED TO SAME DRAWING	TG
1	31/03/16	MS	2016 STANDARDS REVIEW	TG

DESIGN PANEL			
DESIGNED:	03/08/15	AUTHORISED:	31/03/16
RJP		T.GALEK	
DRAWN:	25/09/15	SIGNATURE:	
MS			
REVIEWED:	21/03/16	ORIGINAL SIGNED	
TG			

**SA WATER STANDARD DRAWINGS
SEWER CONSTRUCTION MANUAL
ALLOCATION OF SPACE FOR
SERVICES IN LAND DIVISIONS
STANDARD CONNECTION LAYOUT SHEET 2**

A3	2
SHT SIZE	REVISION
TOTAL SHEETS:	
SUPERSEDES:	
DRAWING NUMBER	
4005-20004-03	
PREFIX	NUMBER SHEET