

TYPICAL WATER CONNECTION

MINIMUM PIPE COVER

OD PIPE ϕ	PIPE COVER	
	MINIMUM	MAXIMUM
25 - 63	450	750

TRENCH WIDTH

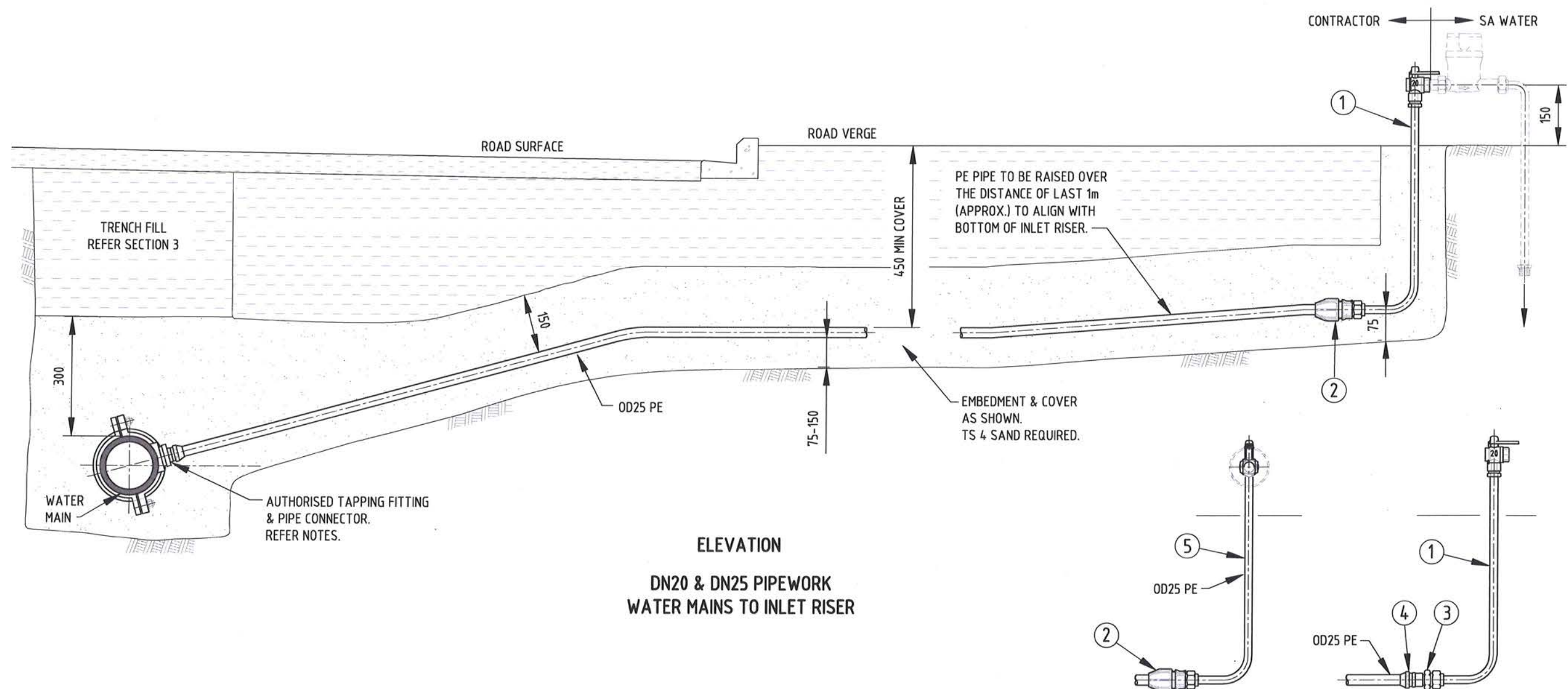
OD PIPE ϕ	TRENCH WIDTH	
	MINIMUM	MAXIMUM
25 - 63	300	600

WATER CONNECTION NOTES:

- DIRECT TAPPING IS NOT PERMITTED INTO ANY PIPE TYPE.
- REFER 4005-30002-01 & 4005-30002-02 FOR GENERAL NOTES.
- REFER 4005-30006-03 & 4005-30006-04 FOR APPROVED TAPPING FITTINGS & METHODOLOGIES FOR NEW OR EXISTING WATER MAINS.
- NO FIELD BUTT WELDING OF PE TUBING ALLOWED.
- REFER SECTION 3 FOR TRENCH & EMBEDMENT REQUIREMENTS.
- REFER THE DESIGN DRAWINGS & SECTION 4 FOR POSITIONING OF THE CONNECTION.
- PRETAPPED CONNECTORS SHALL BE USED ON **NEW** DN100 & DN150 MAINS. MINIMUM DISTANCE BETWEEN PRETAPPED CONNECTORS SHALL BE 600.
- TAPPING SADDLES, TAPPING BANDS AND TAPPED COLLARS SHALL BE USED ON
 - EXISTING** DN100 & DN150 MAINS.
 - ALL** DN200 TO DN375 MAINS.
- THE MINIMUM DISTANCE BETWEEN TAPPING SADDLES, TAPPING BANDS AND TAPPED COLLARS SHALL BE 1200.
- THE MAXIMUM SIZE HOLE PERMITTED TO BE DRILLED IN ANY PIPE IS **32 mm**. DRILL HOLE SIZE:
 - 18 FOR DN20 & DN25 PIPE.
 - 32 FOR DN40 & DN50 PIPE.

- ADJACENT HOLES SHALL BE DRILLED AT SLIGHTLY DIFFERENT ANGLES TO THE HORIZONTAL.
- THE PE CONNECTION PIPE SHALL BE SNAKED IN THE TRENCH HORIZONTALLY.
- CONNECTIONS SHALL BE PERPENDICULAR TO THE WATER MAIN. WHERE THIS CANNOT BE ACHIEVED THE SA WATER REPRESENTATIVE'S APPROVAL SHALL BE SOUGHT FOR AN ALTERNATIVE.
- IF WATER CONNECTION IS NOT LAID PERPENDICULAR TO THE MAIN, GREEN DETECTABLE MARKER TAPE SHALL BE BURIED APPROX 150 DIRECTLY ABOVE PE. TAPE MARKED ("CAUTION - WATER MAIN BURIED BELOW").
- FOR OD50 AND OD63 PE WATER CONNECTIONS THE GREEN DETECTABLE MARKER TAPE IS MANDATORY.
- WHERE MAINCOCK INSTALLED ON TAPPING FITTING, THE PLUG OF THE MAINCOCK SHALL BE TURNED TO ON PRIOR TO BACKFILLING OF TRENCH.
- PE PIPEWORK CONNECTOR TO THE METER INLET RISER SHALL BE SUCH THAT RISER CAN BE REMOVED WITHOUT CUTTING THE PE TUBING.
- PRELaid WATER CONNECTION INLET RISERS SHALL BE INSTALLED IN THE VERTICAL POSITION. THE SA WATER REPRESENTATIVE MAY DIRECT FOR THEM TO BE BURIED SO THEY WILL BE LAID HORIZONTALLY TO THE LEFT AS VIEWED FROM THE MAIN.
- ALL DIMENSIONS IN MILLIMETRES.

REVISION PANEL					DESIGN PANEL		 SA WATER STANDARD DRAWINGS WATER SUPPLY CONSTRUCTION MANUAL WATER CONNECTIONS TYPICAL LAYOUT & NOTES	A3 SHT SIZE TOTAL SHEETS:	1 REVISION
REV	DATE	DRN	DETAILS	APR	CURRENT REV AUTHORISED:	DESIGNED: 28/09/15 RJP DRAWN: 16/11/15 MS REVIEWED: 21/03/16 TG			
					SIGNATURE:	AUTHORISED: 31/03/16 T.GALEK SIGNATURE: <i>T. Galek</i>	This drawing is the property of the SOUTH AUSTRALIAN WATER CORPORATION and shall not be copied or modified in part or in whole without authorization.	SUPERSEDES: 96-0080-01 (E1) DRAWING NUMBER 4005-30006-01 PREFIX NUMBER SHEET	
1	31/03/16	MS	2016 STANDARDS REVIEW	TG					



ELEVATION
DN20 & DN25 PIPEWORK
WATER MAINS TO INLET RISER

DN25 INLET RISER

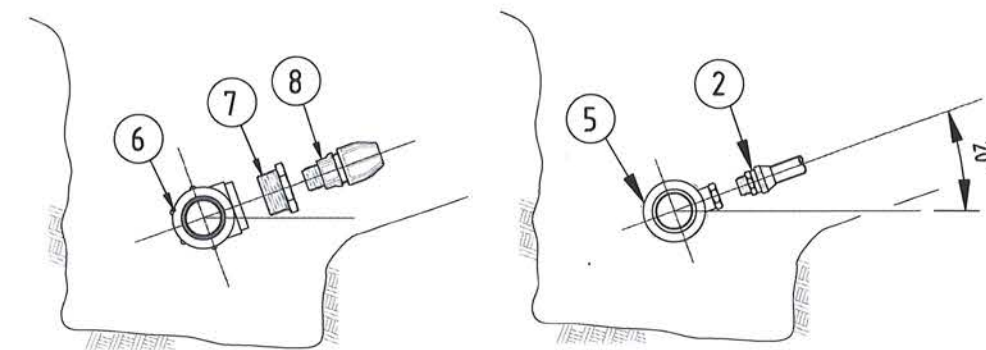
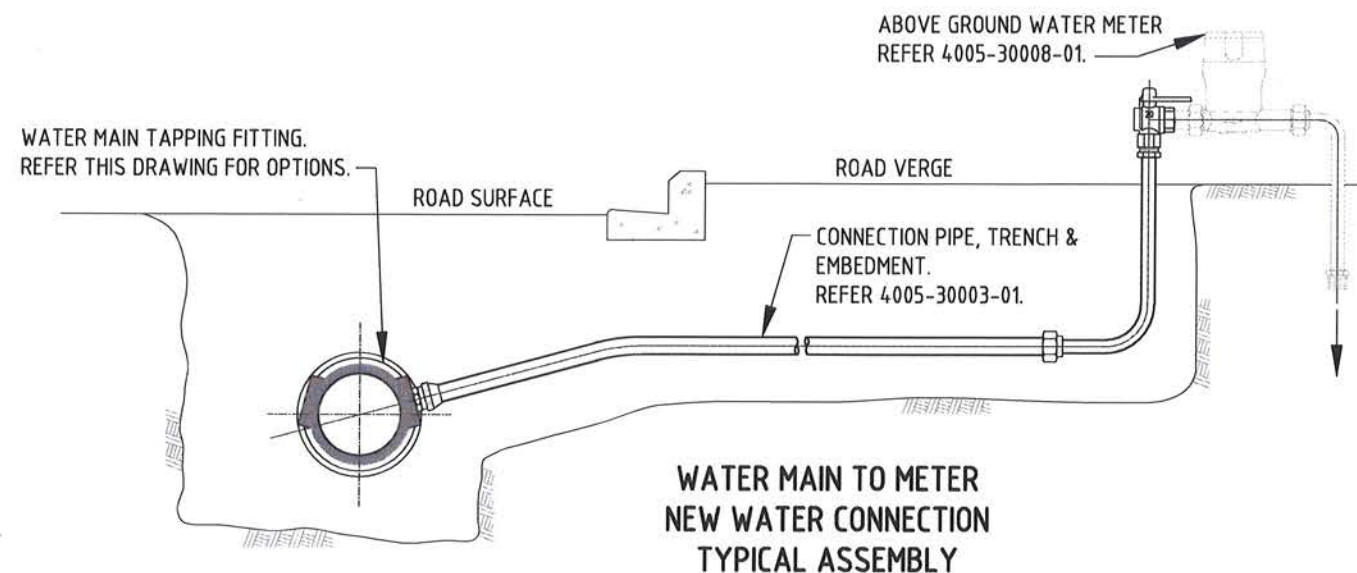
DN20 INLET RISER
WITH TITA CONNECTOR

NOTES:

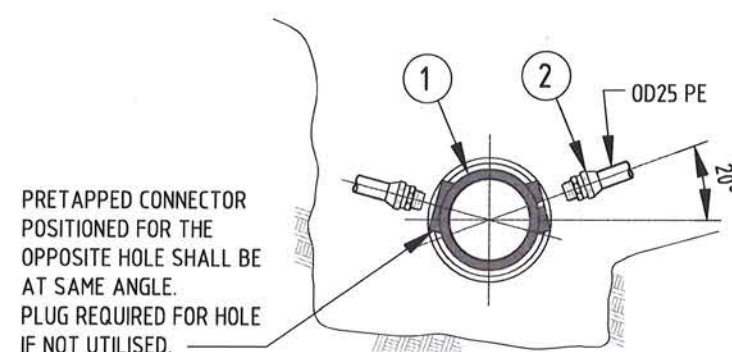
1. DIRECT TAPPING IS NOT PERMITTED INTO ANY PIPE.
2. THIS DRAWING SHALL BE CONSIDERED FOR NEW WATER CONNECTIONS OFF **NEW OR EXISTING** WATER MAINS.
3. REFER 4005-30002-01 & 4005-30002-02 FOR GENERAL NOTES.
4. REFER 4005-30006-01 FOR WATER CONNECTION NOTES & REQUIREMENTS.
5. REFER THE DESIGN DRAWINGS & SECTION 4 FOR POSITIONING OF THE CONNECTION.
6. REFER SECTION 3 FOR TRENCH & EMBEDMENT REQUIREMENTS.
7. REFER 4005-30006-03 & 4005-30006-04 FOR APPROVED TAPPING FITTINGS & METHODOLOGIES FOR NEW OR EXISTING WATER MAINS.
8. IF MAINCOCK SPECIFIED IT SHALL BE LOCATED ADJACENT THE WATER MAIN TAPPING FITTING.
9. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.

ITEM	DESCRIPTION	REMARKS
1	INLET RISER (DN 20)	(LENGTH 530)
2	END CONNECTOR MALE	PE 25 x 1" BSP
3	REDUCER NIPPLE	DR BRASS (25-20 NOM)
4	END CONNECTOR FEMALE	TITA GM22
5	INLET RISER (DN 25)	(LENGTH 530)

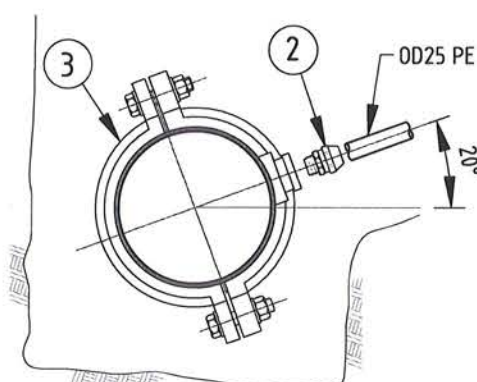
REVISION PANEL					DESIGN PANEL		<div></div>		SA WATER STANDARD DRAWINGS		A3	1	
REV	DATE	DRN	DETAILS	APR	CURRENT REV AUTHORISED:	DESIGNED: 28/09/15 RJP	AUTHORISED: 31/03/16 T.GALEK	<div>This drawing is the property of the SOUTH AUSTRALIAN WATER CORPORATION and shall not be copied or modified in part or in whole without authorization.</div>	WATER SUPPLY CONSTRUCTION MANUAL		SHT SIZE	REVISION	
									DN20 & DN25 CONNECTIONS		TOTAL SHEETS:		
					SIGNATURE:	DRAWN: 16/11/15 MS			WATER MAIN TO INLET RISER		SUPERSEDES: E2, E3		
						REVIEWED: 21/03/16 TG					DRAWING NUMBER		
1	31/03/16	MS	2016 STANDARDS REVIEW	TG							4005-30006-02		
											PREFIX	NUMBER	SHEET



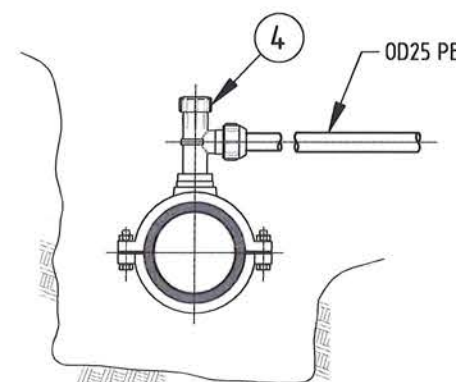
**NEW PE MAIN
OD63
MECHANICAL TEE**



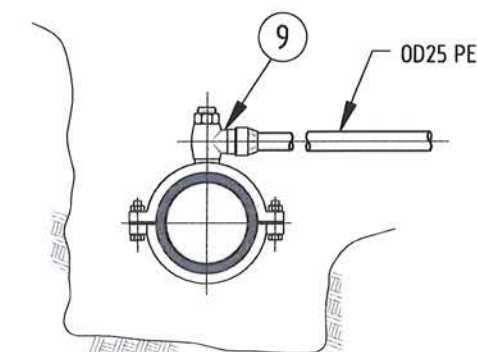
**NEW PVC & DCL MAINS
DN100/ DN150
PRETAPPED CONNECTOR**



**NEW PVC & DCL MAINS
DN200 - DN375
TAPPING SADDLE**



**NEW PE MAINS
OD63 - OD250
PE TAPPING SADDLE**


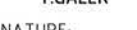


**NEW PE MAINS
OD63 - OD250
SELF TAPPING FERRULE SADDLE**

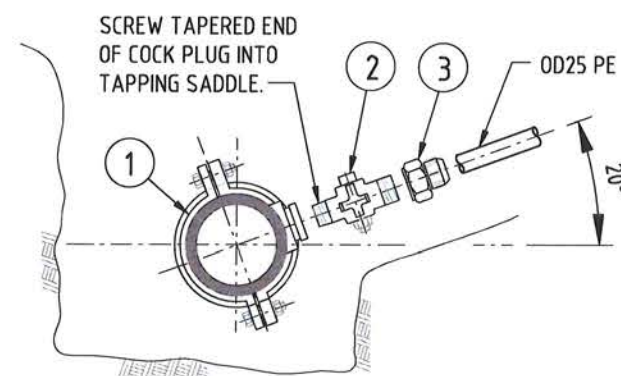
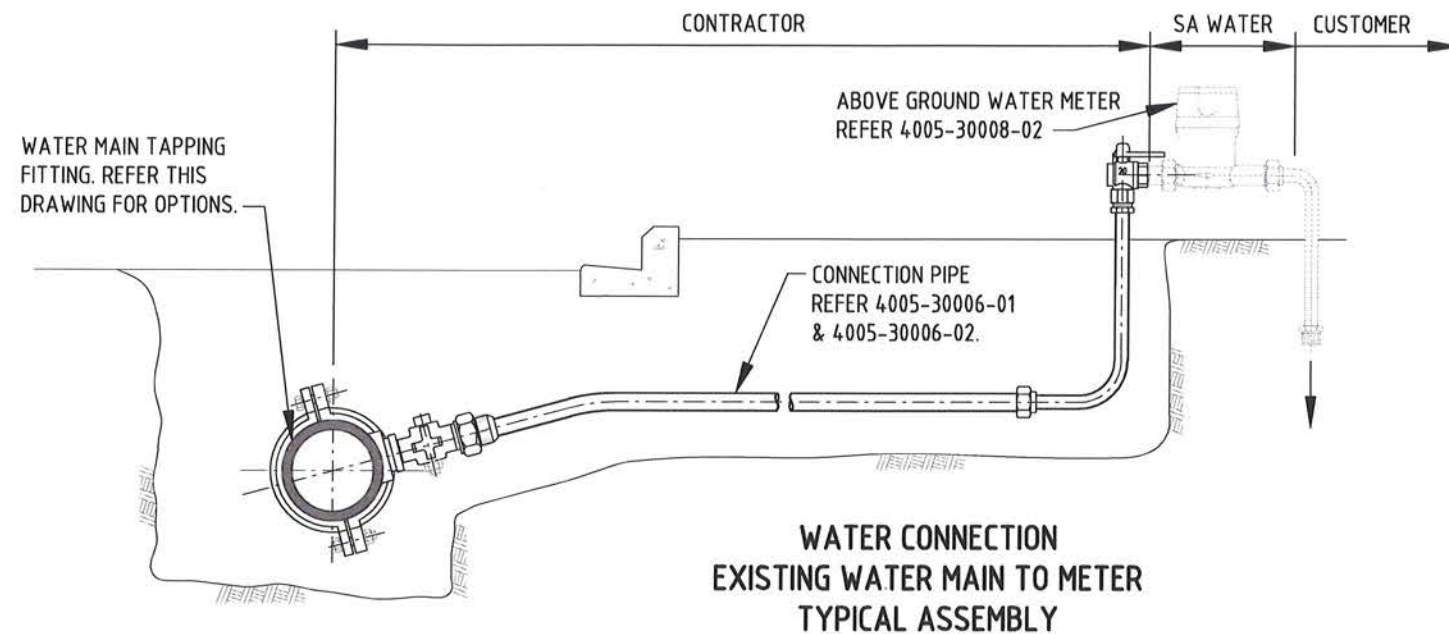
ITEM	DESCRIPTION	REMARKS
1	PRETAPPED CONNECTOR	SINGLE OR DOUBLE OPTIONS
2	BRASS END CONNECTOR	TITA GM22
3	TAPPING SADDLE	FITTING DEPENDENT UPON PIPE MATERIAL & DIAMETER
4	ELECTROFUSION PLASTIC TAPPING SADDLE (WITH SS CUTTER)	SADDLES AVAILABLE WITH 20 mm OR 25 mm OFFTAKES
5	PE REDUCING TEE	TEES AVAILABLE WITH 20 mm OR 25 mm BRANCHES
6	PE TEE (FEMALE)	63 mm x 2" BSP
7	BUSH	2" BSP x 1" BSP
8	PE END CONNECTOR	25 mm x 1" BSP
9	SELF TAPPING FERRULE SADDLE	25 mm x 1" BSP

NOTES:

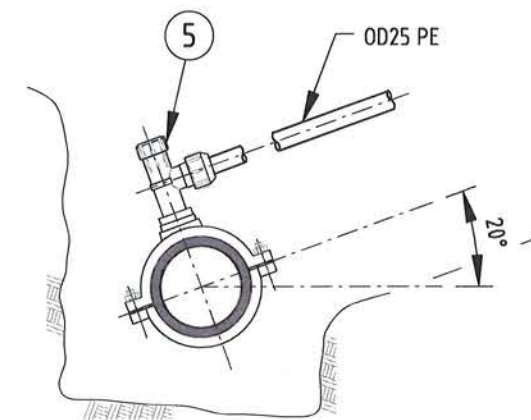
- DIRECT TAPPING IS NOT PERMITTED INTO ANY PIPE.
- REFER 4005-30002-01 & 4005-30002-02 FOR GENERAL NOTES.
- REFER SECTION 3 FOR TRENCH & EMBEDMENT REQUIREMENTS.
- REFER DESIGN DRAWINGS & 4005-30006-01, 4005-30006-02 FOR POSITIONING OF THE CONNECTION.
- WHERE PREFERRED ANGLE OF FITTING CANNOT BE ACHIEVED THE SA WATER REPRESENTATIVE'S APPROVAL SHALL BE SOUGHT FOR AN ALTERNATIVE.
- WRAPPING OF ALL FITTINGS SHALL BE IN ACCORDANCE WITH TS 18. STAINLESS STEEL COMPONENTS & GUNMETAL SADDLES ON PVC & AC MAINS DO NOT REQUIRE WRAPPING.

REVISION PANEL					DESIGN PANEL				SA WATER STANDARD DRAWINGS		A3	1
REV	DATE	DRN	DETAILS	APR	CURRENT REV	DESIGNED: 28/09/15	AUTHORISED: 31/03/16	WATER SUPPLY CONSTRUCTION MANUAL		SHT SIZE		REVISION
					AUTHORISED:	RJP	T.GALEK	WATER CONNECTIONS FROM NEW MAIN		TOTAL SHEETS:		
					SIGNATURE:	DRAWN: 16/11/15	SIGNATURE:	APPROVED TAPPING METHODS		SUPERSEDES: E8, E9		
						MS		DN20 & DN25 CONNECTIONS		DRAWING NUMBER		
1	31/03/16	MS	2016 STANDARDS REVIEW	TG		REVIEWED: 21/03/16	TG			4005-30006-03		
										PREFIX		
										NUMBER		
										SHEET		

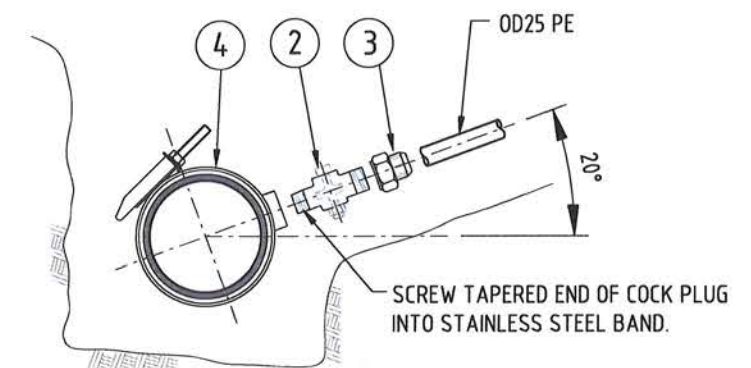
This drawing is the property of the
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**EXISTING PVC, DCL, CCL & AC MAINS
DN100 - DN375
TAPPING SADDLE**



**EXISTING PE MAINS
OD63 - OD250
PE TAPPING SADDLE**



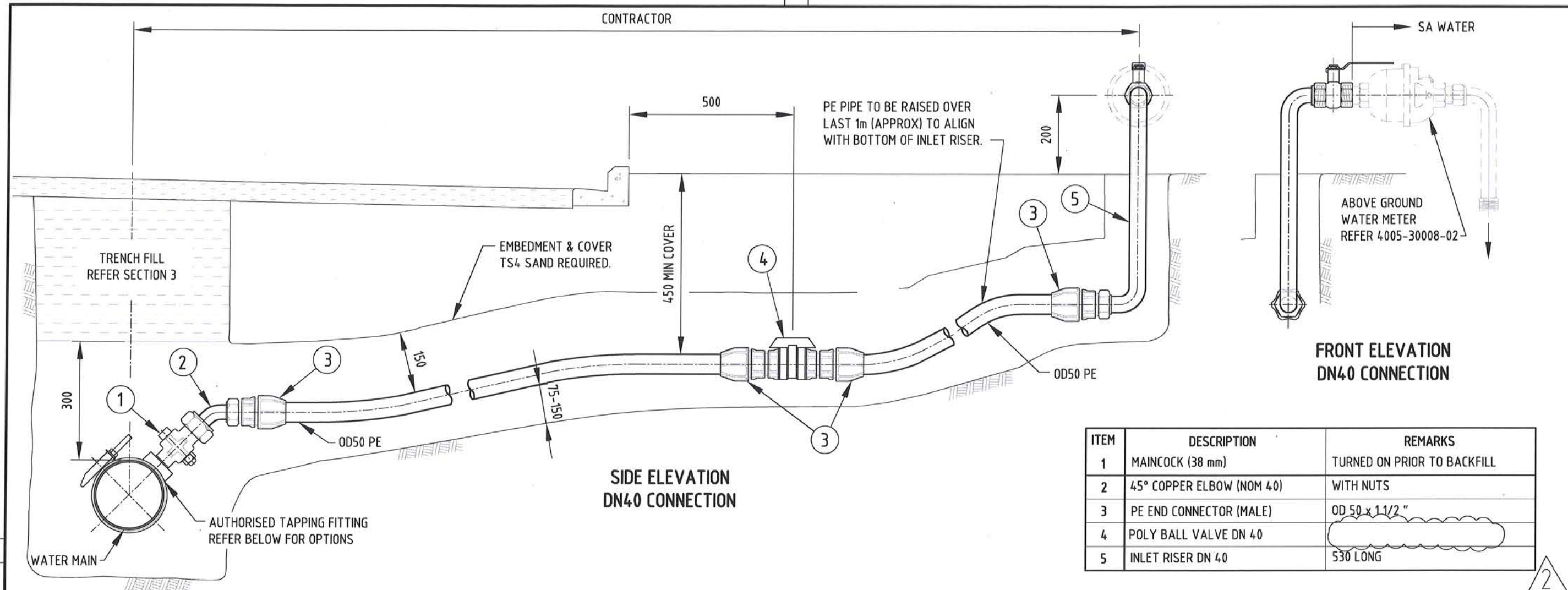
**EXISTING PVC, DCL, CCL & AC MAINS
DN100 - DN375
S/S TAPPING BAND**

NOTES:

1. DIRECT TAPPING IS NOT PERMITTED INTO ANY PIPE.
2. REFER 4005-30002-01 & 4005-30002-02 FOR GENERAL NOTES.
3. REFER SECTION 3 FOR TRENCH & EMBEDMENT REQUIREMENTS.
4. REFER DESIGN DRAWINGS & 4005-30006-01, 4005-30006-02 FOR POSITIONING OF THE CONNECTION.
5. WHERE PREFERRED ANGLE OF FITTING CANNOT BE ACHIEVED THE SA WATER REPRESENTATIVE'S APPROVAL SHALL BE SOUGHT FOR AN ALTERNATIVE.
6. WRAPPING OF ALL FITTINGS SHALL BE IN ACCORDANCE WITH TS 18. STAINLESS STEEL COMPONENTS & GUNMETAL SADDLES ON PVC & AC MAINS DO NOT REQUIRE WRAPPING.
7. WHERE EXISTING MAIN IS MSCL REFER 4005-30006-07 FOR TAPPING OPTIONS.
8. ALL DIMENSIONS IN MILLIMETRES.

ITEM	DESCRIPTION	REMARKS
1	TAPPING SADDLE	FITTING DEPENDENT UPON PIPE MATERIAL & DIAMETER
2	COCK PLUG (20mm)	TURNED ON FOLLOWING INSTALLATION
3	BRASS-PE INSULATED END CONNECTOR	ENSURE BLUE INSERT USED
4	STAINLESS STEEL TAPPING BAND	
5	PLASTIC TAPPING SADDLE (WITH STAINLESS STEEL CUTTER)	SADDLES AVAILABLE WITH 20 mm OR 25 mm OFFTAKES

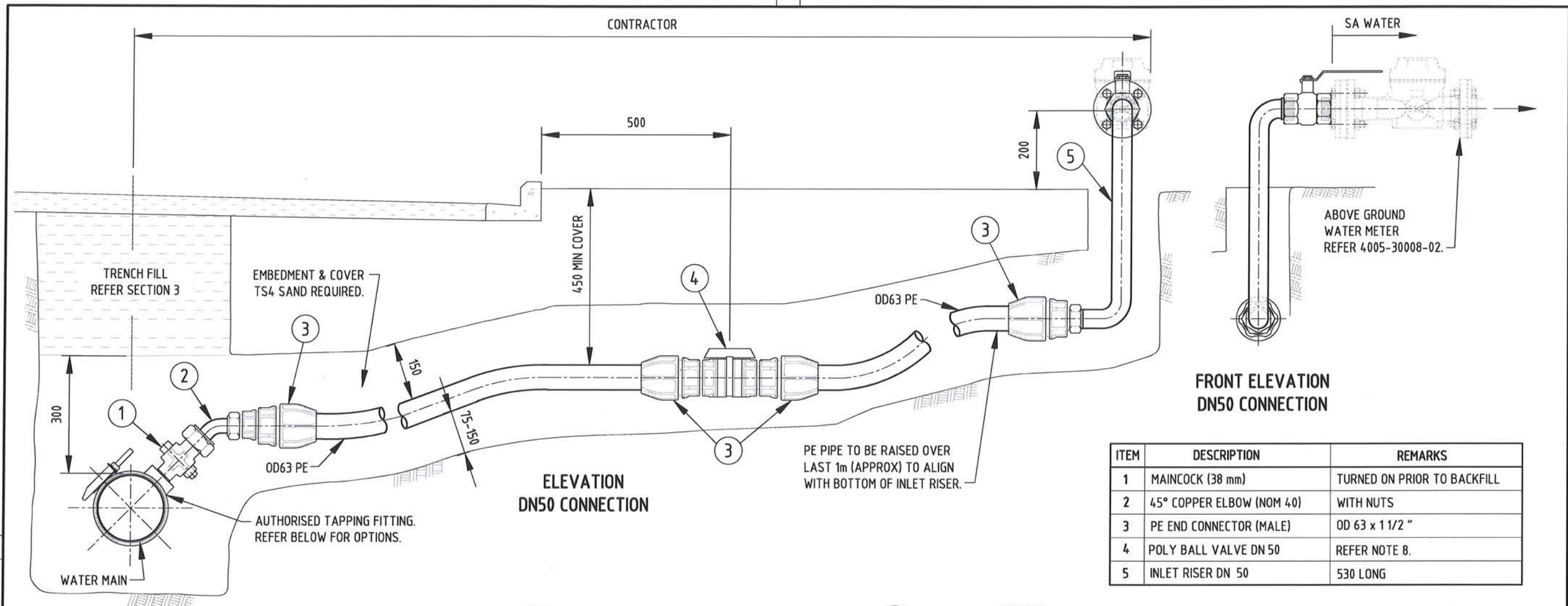
REVISION PANEL						DESIGN PANEL			<div></div> <div>This drawing is the property of the SOUTH AUSTRALIAN WATER CORPORATION and shall not be copied or modified in part or in whole without authorization.</div>		SA WATER STANDARD DRAWINGS WATER SUPPLY CONSTRUCTION MANUAL WATER CONNECTIONS FROM EXISTING MAIN APPROVED TAPPING METHODS DN20 & DN25 CONNECTIONS				<div>A3<div>1</div></div> <div>SHT SIZE<div>REVISION</div></div>	
REV	DATE	DRN	DETAILS	APR	CURRENT REV AUTHORISED:	DESIGNED: 28/09/15 RJP	AUTHORISED: 31/03/16 T.GALEK	TOTAL SHEETS:				SUPERSEDES: E8, E9				
					SIGNATURE:	DRAWN: 16/11/15 MS	SIGNATURE: 	DRAWING NUMBER				4005-30006-04				
1	31/03/16	MS	2016 STANDARDS REVIEW	TG		REVIEWED: 21/03/16 TG		PREFIX				NUMBER SHEET				



NOTES:

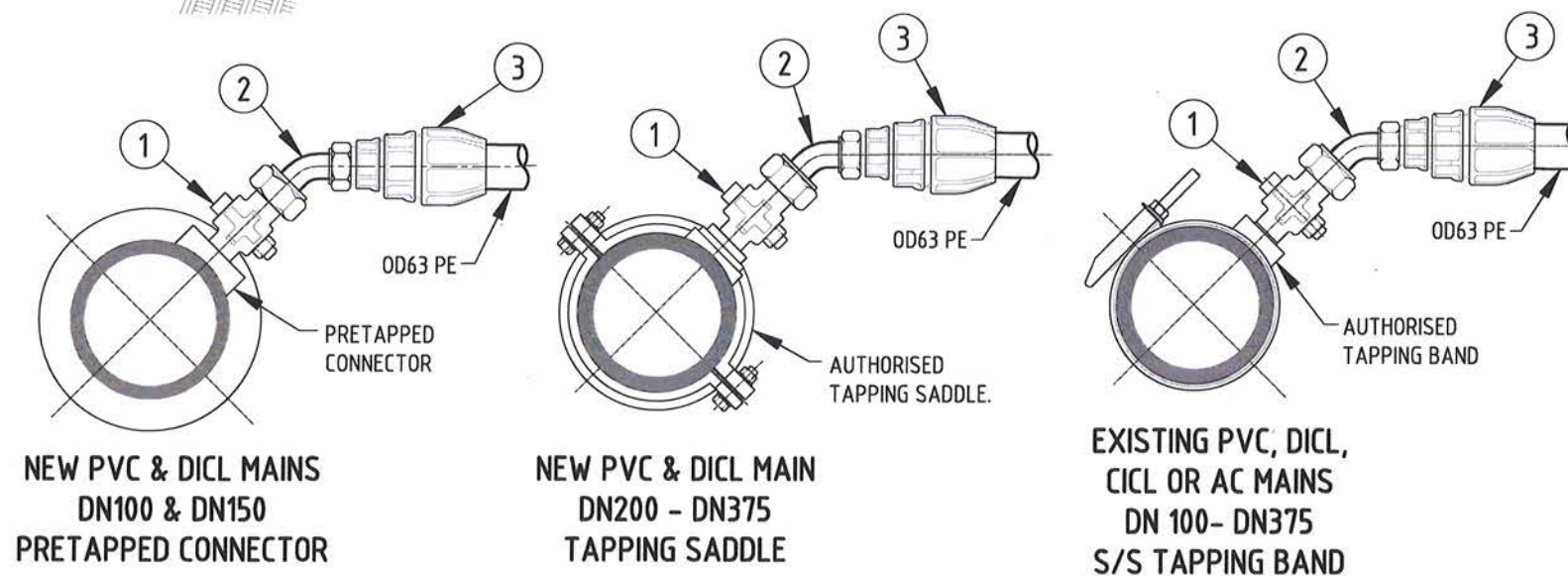
- DIRECT TAPPING IS NOT PERMITTED INTO ANY PIPE.
- REFER 4005-30002-01 & 4005-30002-02 FOR GENERAL NOTES.
- THIS DRAWING SHALL BE CONSIDERED FOR NEW WATER CONNECTIONS OFF **NEW OR EXISTING** WATER MAINS.
- REFER 4005-30006-01 FOR GENERAL NOTES & REQUIREMENTS FOR WATER CONNECTIONS.
- REFER THE DESIGN DRAWINGS & SECTION 4 FOR POSITIONING OF THE CONNECTION.
- WHERE A STAINLESS STEEL TAPPING BAND IS USED FOR DICL OR CICL MAINS, AN AUTHORISED PLASTIC NIPPLE (BSP 1 1/2") SHALL BE SCREWED INTO PIPE & TRIMMED TO PIPE OUTER SURFACE.
- MAINCOCK REQUIRED FOR ALL DN 40 CONNECTIONS.
- MAINCOCK SHALL BE LOCATED ADJACENT THE WATER MAIN TAPPING FITTING.
- WHERE EXISTING MAIN IS MSCL REFER 4005-30006-07 FOR TAPPING OPTIONS.
- DIRECT TAPPING IS NOT PERMITTED INTO ANY PIPE.
- AUTHORISED GREEN DETECTABLE MARKER TAPE SHALL BE LAID APPROX. 150 ABOVE PIPE.
- WRAPPING OF ALL FITTINGS SHALL BE IN ACCORDANCE WITH TS 18. STAINLESS STEEL COMPONENTS & GUNMETAL SADDLES ON PVC & AC MAINS DO NOT REQUIRE WRAPPING.
- REFER SECTION 3 FOR TRENCH & EMBEDMENT REQUIREMENTS.
- ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.

REVISION PANEL					DESIGN PANEL			SA WATER STANDARD DRAWINGS		A3		2
REV	DATE	DRN	DETAILS	APR	CURRENT REV 16/12/16	DESIGNED: 28/09/15	AUTHORISED 31/03/16	WATER SUPPLY CONSTRUCTION MANUAL		SHT SIZE		REVISION
						RJP	T. GALEK			TOTAL SHEETS:		
						MS	SIGNATURE:			SUPERSEDES: 91-0065-02 (E6)		
2	19/07/16	PC	ITEM 4 INCORRECT REFERENCE REMOVED			REVIEWED: 21/03/16	ORIGINAL SIGNED			DRAWING NUMBER		
1	31/03/16	MS	2016 STANDARDS REVIEW	TG						4005-30006-05		
										PREFIX		SHEET

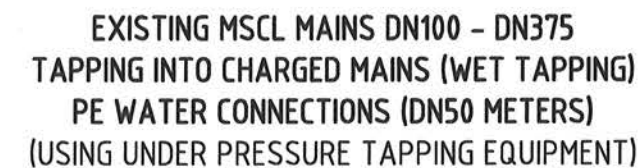
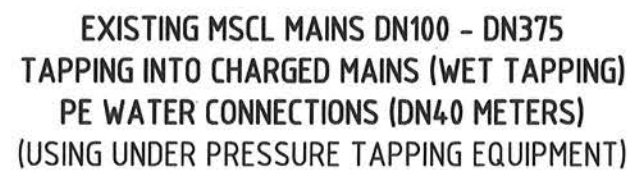
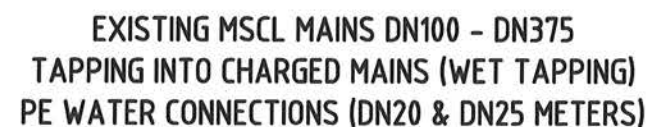


NOTES:

- DIRECT TAPPING IS NOT PERMITTED INTO ANY PIPE.
- REFER 4005-30002-01 & 4005-30002-02 FOR GENERAL NOTES.
- THIS DRAWING SHALL BE CONSIDERED FOR NEW WATER CONNECTIONS OFF **NEW OR EXISTING** WATER MAINS.
- REFER 4005-30006-01 FOR GENERAL NOTES & REQUIREMENTS FOR WATER CONNECTIONS.
- REFER THE DESIGN DRAWINGS & SECTION 4 FOR POSITIONING OF THE CONNECTION.
- WHERE A STAINLESS STEEL TAPPING BAND IS USED FOR DIOL OR CIOL MAINS, AN AUTHORISED PLASTIC NIPPLE (BSP 1 1/2 ") SHALL BE SCREWED INTO PIPE & TRIMMED TO PIPE OUTER SURFACE.
- MAINCOCK REQUIRED FOR ALL DN 50 CONNECTIONS.
- MAINCOCK SHALL BE LOCATED ADJACENT THE WATER MAIN TAPPING FITTING.
- WHERE EXISTING MAIN IS MSCL REFER 4005-30006-07 FOR TAPPING OPTIONS.
- DIRECT TAPPING IS NOT PERMITTED INTO ANY PIPE.
- AUTHORISED GREEN DETECTABLE MARKER TAPE SHALL BE LAID APPROX. 150 ABOVE PIPE.
- WRAPPING OF ALL FITTINGS SHALL BE IN ACCORDANCE WITH TS 18. STAINLESS STEEL COMPONENTS & GUNMETAL SADDLES ON PVC & AC MAINS DO NOT REQUIRE WRAPPING.
- REFER SECTION 3 FOR TRENCH & EMBEDMENT REQUIREMENTS.
- ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.



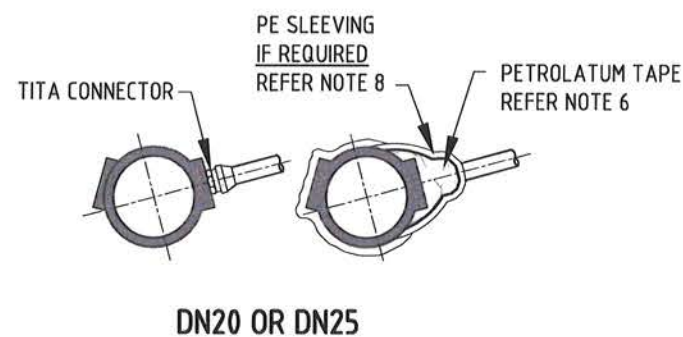
REVISION PANEL					DESIGN PANEL		SA WATER STANDARD DRAWINGS		A3	1
REV	DATE	DRN	DETAILS	APR	CURRENT REV	AUTHORISED:	WATER SUPPLY CONSTRUCTION MANUAL		SHT SIZE	REVISION
							DN50 CONNECTION		TOTAL SHEETS:	
							WATER MAIN TO		SUPERSEDES: 91-0066-02 (E7)	
							INLET RISER		DRAWING NUMBER	
1	31/03/16	MS	2016 STANDARDS REVIEW	TG					4005-30006-06	
									PREFIX	SHEET



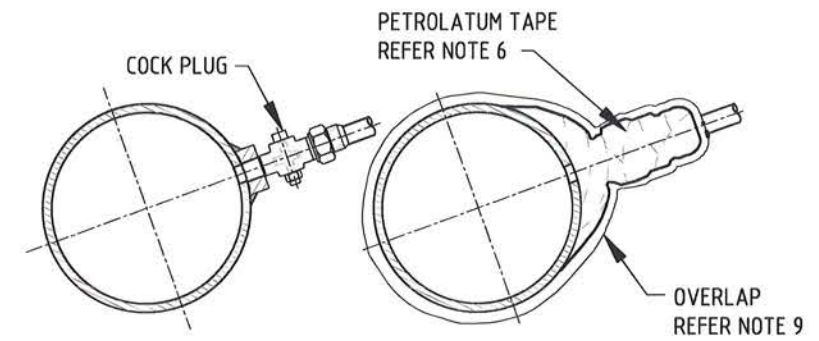
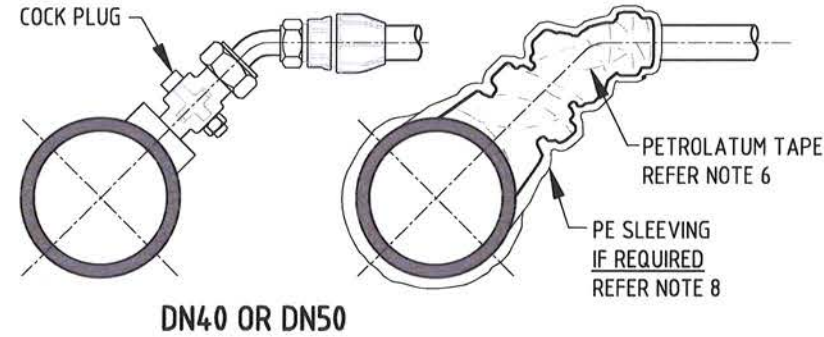
NOTES:

1. REFER 4005-30002-01 & 4005-30002-02 FOR GENERAL NOTES.
2. THIS DRAWING SHALL BE CONSIDERED FOR NEW WATER CONNECTIONS OFF NEW OR EXISTING WATER MAINS.
3. WELDING SHALL BE IN ACCORDANCE WITH AS4041, CLASS 2P.
4. FOLLOWING WELDING & FITTING OF THE MAINCOCK, THE CONTRACTOR SHALL DRILL & TAP THE MAIN WITH SERIES 'G' INTERNAL FASTENING THREAD IN ACCORDANCE WITH AS1722, PART 2.
5. FOR GENERAL NOTES & REQUIREMENTS FOR WATER CONNECTIONS REFER 4005-30006-01.
6. REFER THE DESIGN DRAWINGS & SECTION 4 FOR POSITIONING OF THE CONNECTION.
7. MAINCOCK REQUIRED FOR ALL CONNECTIONS.
8. AUTHORISED GREEN DETECTABLE MARKER TAPE SHALL BE LAID APPROX. 150 ABOVE PIPE.
9. REFER SECTION 3 FOR TRENCH & EMBEDMENT REQUIREMENTS.
10. ALL DIMENSIONS IN MILLIMETRES.

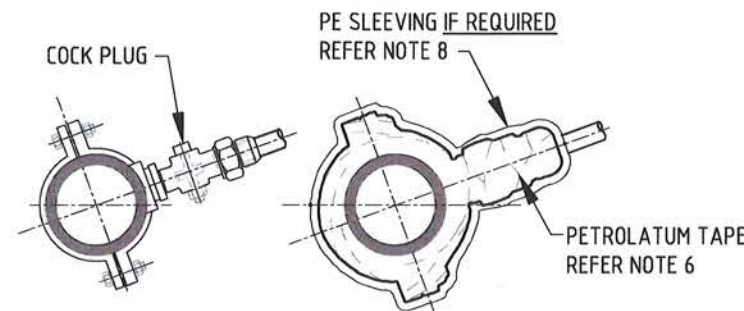
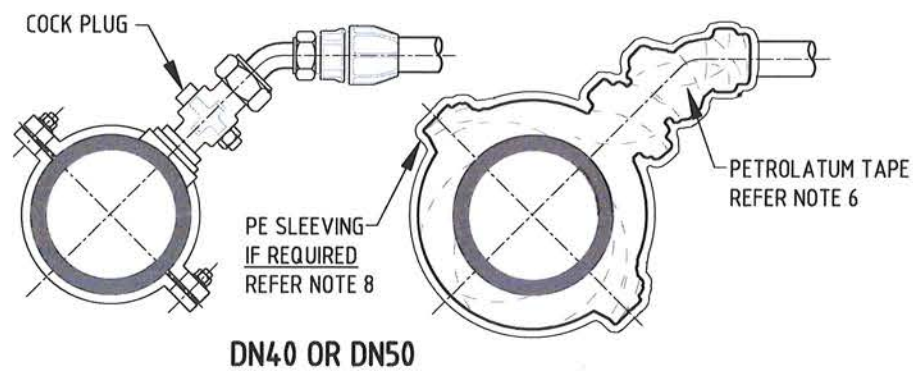
REVISION PANEL					DESIGN PANEL		<div></div>		SA WATER STANDARD DRAWINGS		A3		1	
REV	DATE	DRN	DETAILS	APR	CURRENT REV AUTHORISED:	DESIGNED: 28/09/15 RJP	AUTHORISED: 31/03/16 T.GALEK	<div> This drawing is the property of the SOUTH AUSTRALIAN WATER CORPORATION and shall not be copied or modified in part or in whole without authorization.</div>	WATER SUPPLY CONSTRUCTION MANUAL		SHT SIZE		REVISION	
									WATER CONNECTIONS		TOTAL SHEETS:		SUPERSEDES: E8, E10, E11	
					SIGNATURE:	DRAWN: 16/11/15 MS	SIGNATURE: 		CONNECTION OFF MSCL MAIN		DRAWING NUMBER		4005-30006-07	
						REVIEWED: 21/03/16 TG					PREFIX		NUMBER	
1	31/03/16	MS	2016 STANDARDS REVIEW	TG							SHEET			



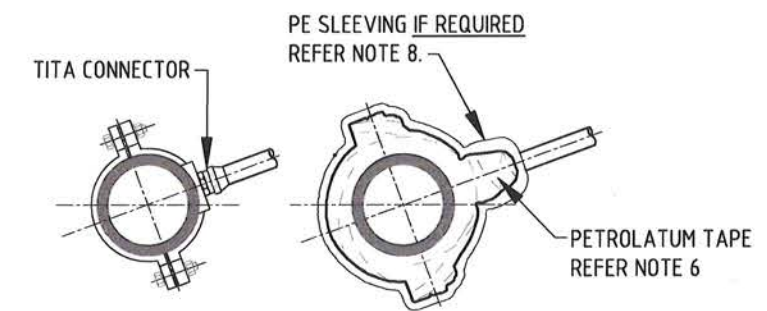
PRETAPPED CONNECTORS



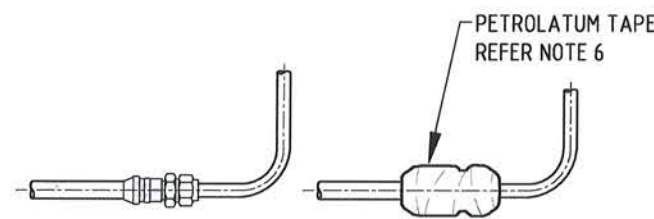
MSCL WELDED BOSS WITH COCK PLUG



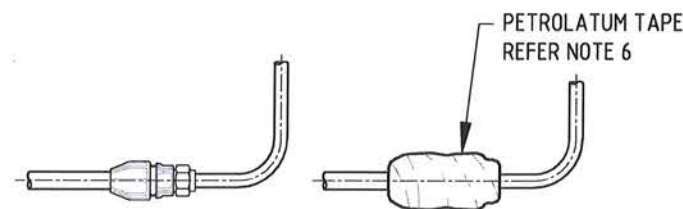
COCK PLUG INSTALLATION
TAPPING SADDLES



TITA CONNECTOR INSTALLATION



INLET RISER WITH
TITA FITTING



INLET RISER WITH
PE CONNECTOR

NOTES:

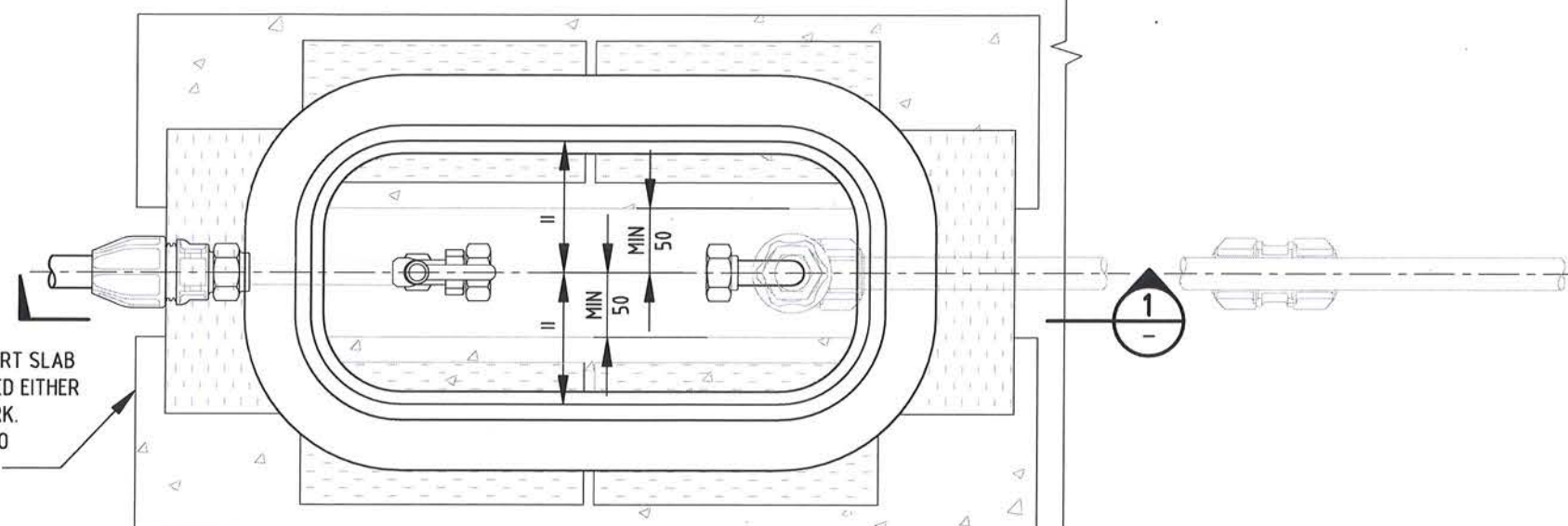
- REFER 4005-30002-01 & 4005-30002-02 FOR GENERAL NOTES.
- ALL BRASS & GUNMETAL FITTINGS SHALL BE PROTECTED IN ACCORDANCE WITH TS 18.
- FBE & STAINLESS STEEL FITTINGS DO NOT REQUIRE PROTECTIVE WRAPPING UNLESS DAMAGED. REFER NOTE 5 FOR CLARIFICATION OF DAMAGE.
- THE CONTRACTOR SHALL INSPECT ALL FBE & STAINLESS STEEL FITTINGS PRIOR THE INSTALLATION.
- IF DAMAGE IS DETECTED PROCEED USING THESE GUIDELINES:
 - EXTERNAL DAMAGE <25 x 25 mm - WRAP THE ITEM IN ACCORDANCE WITH TS 18 AND THIS DRAWING.
 - INTERNAL OR EXTERNAL DAMAGE >25 x 25 mm - REPLACE THE ITEM.
- THE PROCEDURE FOR WRAPPING ALL METALLIC TAPPING SADDLES AND ALL BRASS FITTINGS SHALL BE:
 - COAT WITH PETROLATUM PRIMER,
 - WRAP WITH 50 mm WIDE PETROLATUM TAPE,
 - IN ACCORDANCE WITH TS 18.
- POLYETHYLENE SLEEVING AROUND THE PETROLATUM TAPE IS NOT REQUIRED IF PIPE IS PVC, AC OR CICL.
- WHERE THE PIPE IS DICL, THE CONTINUITY OF THE POLYETHYLENE SLEEVING SHALL BE MAINTAINED BY:
 - CUTTING A PIECE OF POLYETHYLENE SLEEVING SUFFICIENTLY LONG AND WIDE TO PROVIDE MIN 150 OVERLAP (AT EACH END) TO THE SLEEVE PROTECTING THE PIPE.
 - APPLYING THE PETROLATUM TAPE SYSTEM AROUND THE SADDLE OR PRETAPPED CONNECTOR TAPPING AND FITTING.
 - FIT THE PREPARED PIECE OF SLEEVE AROUND THE PIPE AND FITTING AND SECURE BOTH ENDS TO THE PIPE SLEEVE WITH ADHESIVE TAPE.
- WHERE THE PIPE IS MSCL:
 - PRIOR TO WELDING, REMOVE THE PIPE COATING AROUND THE AREA WHERE BOSS IS TO BE LOCATED,
 - CLEAN THE PIPE COATING FOR THE FULL CIRCUMFERENCE 100 mm WIDE EACH SIDE OF THE BOSS,
 - FOLLOWING WELDING, COAT PIPE, BOSS AND BRASS FITTINGS WITH PETROLATUM PRIMER AND FILL GAPS WITH MASTIC,
 - WRAP PIPE, BOSS, COCK PLUG AND BRASS FITTINGS WITH 50 mm WIDE PETROLATUM TAPE,
 - APPLY OVERWRAP TAPE OVER THE PIPE AND FITTINGS.
- PETROLATUM PRODUCTS AND METHODS FOR APPLICATION OF THE TAPE SYSTEM SHALL BE IN ACCORDANCE WITH TS 18.

REVISION PANEL					DESIGN PANEL		<div><p>SA Water</p><p>Government of South Australia</p><p>This drawing is the property of the SOUTH AUSTRALIAN WATER CORPORATION and shall not be copied or modified in part or in whole without authorization.</p></div>	SA WATER STANDARD DRAWINGS		A3	1	
REV	DATE	DRN	DETAILS	APR	CURRENT REV	DESIGNED: 28/09/15		AUTHORISED: 31/03/16	WATER SUPPLY CONSTRUCTION MANUAL		SHT SIZE	REVISION
					AUTHORISED:	RJP		T.GALEK	WATER CONNECTIONS		TOTAL SHEETS:	
					SIGNATURE:	DRAWN: 16/11/15		SIGNATURE:	CORROSION PROTECTION FOR		SUPERSEDES: H4, H5	
						MS			PE CONNECTIONS		DRAWING NUMBER	
						REVIEWED: 21/03/16		TG			4005-30006-08	
1	31/03/16	MS	2016 STANDARDS REVIEW	TG							PREFIX	SHEET

SA Water
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4005-30006-08
PREFIX NUMBER SHEET

CONCRETE SUPPORT SLAB
SAWCUT & PLACED EITHER
SIDE OF PIPE WORK.
PAVERS GLUED TO
SUPPORT SLAB.



PLAN
LID NOT SHOWN

MAX 1000
REFER NOTE 2

APPROX 500

F.S.L.

F.S.L.

LIQUID NAILS
(PLATINUM)

COMPACTED MATERIAL
(TO 95% MMDD)
PM10, CTR OR SAND.

FLOW

REFER 4005-30006-04
FOR WATER
CONNECTION DETAILS.

DN20 OUTLET RISER
150 mm - 4730-5134

SECTION 1

**DN20 WATER METER ASSEMBLY
IN No 2 CAST IRON BOX.**

ELBOW - EITHER
1. 25 x 3/4" BSP, OR
2. UTC 15-21 x 25

PAVER 80T

FUTURE CONNECTION OF
CUSTOMER PIPE.

NOTES:

1. THE METER BOX SHALL ONLY BE LOCATED WITHIN A DESIGNATED FOOTPATH OR VERGE AREA. IT SHALL NOT BE LOCATED WITHIN A TRAFFICABLE LANEWAY.
2. THE LOCATION OF THE METER BOX SHALL BE ADJACENT THE FRONT/ REAR BOUNDARY. NO PART OF THE METER BOX SHALL EXTEND BEYOND 1000 FROM THE BOUNDARY.
3. THERE SHALL BE NO EXCEPTION TO THE REQUIREMENT OF NOTES 1 AND 2. THE DESIGNER MAY NEED TO RECONSIDER THE POSITION OF THE COMMON SERVICE TRENCH OR OTHER SERVICES.
4. REFER 4005-30004-03 FOR ALLOCATION OF SPACE IN LAND DIVISIONS.
6. REFER 4005-30008-01 FOR STANDARD ABOVE GROUND WATER METER ASSEMBLY.
7. REFER 4005-30002-01 & 4005-30002-02 FOR GENERAL NOTES.
8. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.

REVISION PANEL

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

DESIGN PANEL

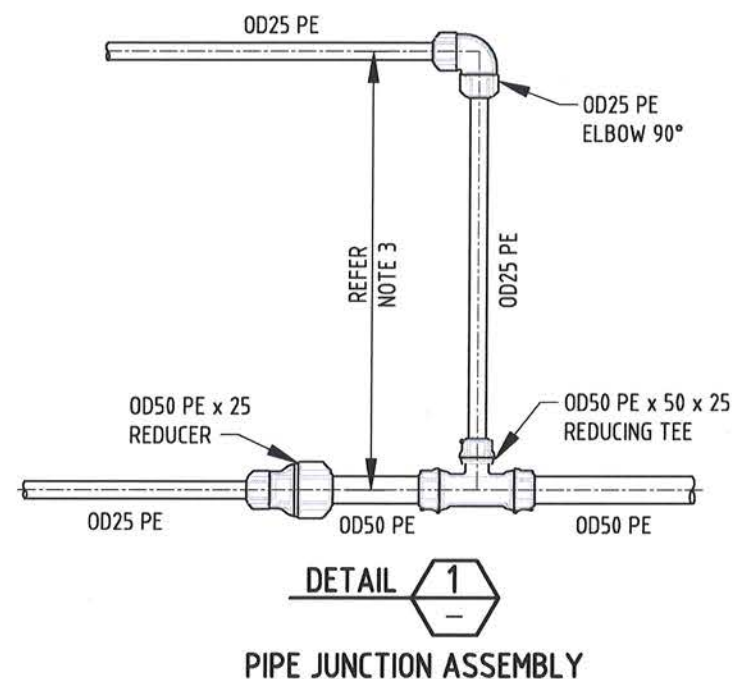
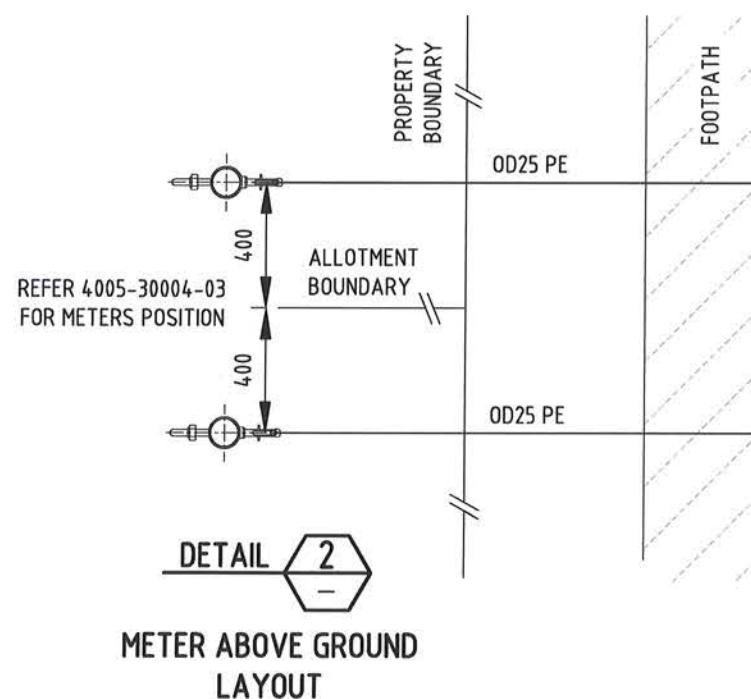
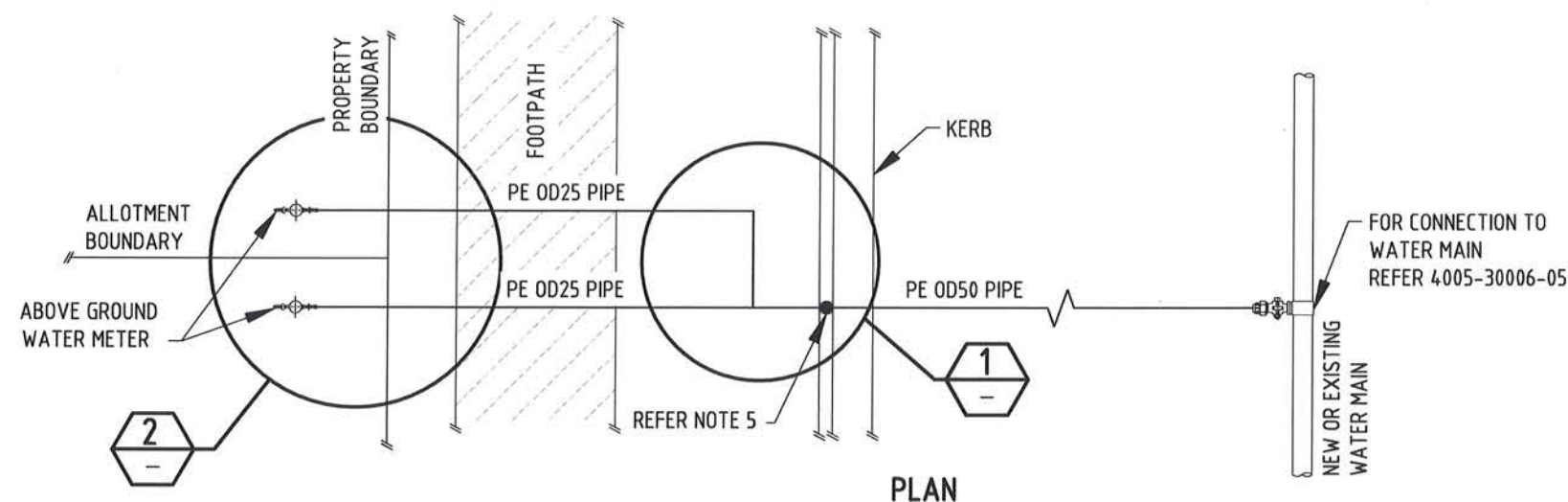
DESIGNED:	28/09/15	AUTHORISED:	31/03/16
RJP		T.GALEK	
DRAWN:	16/11/15	SIGNATURE:	
MS			
REVIEWED:	21/03/16		
TG			



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SA WATER STANDARD DRAWINGS
WATER SUPPLY CONSTRUCTION MANUAL
BELOW GROUND CHAMBER
WITH DN20 INLET RISER
FOR NEW WATER METER

A3	1
SHT SIZE	REVISION
TOTAL SHEETS:	
SUPERSEDES: 96-0083-01 (L16)	
DRAWING NUMBER	
4005-30006-09	
PREFIX	NUMBER SHEET



NOTES:

1. REFER 4005-30002-01 & 4005-30002-02 FOR GENERAL NOTES.
2. **LOCATION OF CONNECTIONS:**
DRINKING WATER CONNECTIONS:
 - REFER 4005-30004-01, 4005-30004-02 & 4005-30004-03 FOR STANDARD 'DEFAULT' POSITIONS.
 - ALTERNATIVE POSITIONS MAY BE SPECIFIED ON THE DESIGN DRAWING. **APPROVAL OF THE SA WATER REPRESENTATIVE IS REQUIRED FOR THIS OPTION.**
3. FOR USE OF THIS OPTION THE **MAXIMUM PERMISSIBLE DISTANCE BETWEEN WATER METERS OR CONNECTION PIPE WORK SHALL BE 1200.**
4. LOCATION OF TEE AND OFFTAKE SHALL BE BETWEEN KERB AND BOUNDARY (DEPENDENT ON CST LOCATION).
5. S/S DISC TO BE PLACED ON KERB IN LINE WITH WATER CONNECTION ALIGNMENT.
6. THIS OPTION IS **NOT APPROVED FOR DUAL RETICULATION SYSTEMS** (DRINKING WATER & NON DRINKING WATER).

REVISION PANEL					DESIGN PANEL		SA WATER STANDARD DRAWINGS		A3	1
REV	DATE	DRN	DETAILS	APR	CURRENT REV	AUTHORISED:	WATER SUPPLY CONSTRUCTION MANUAL		SHT SIZE	REVISION
							SINGLE WATER CONNECTION			
							SUPPLYING TWO PROPERTIES			
1	31/03/16	MS	2016 STANDARDS REVIEW	TG						


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TOTAL SHEETS:
 SUPERSEDES:
 DRAWING NUMBER
4005-30006-10
 PREFIX NUMBER SHEET