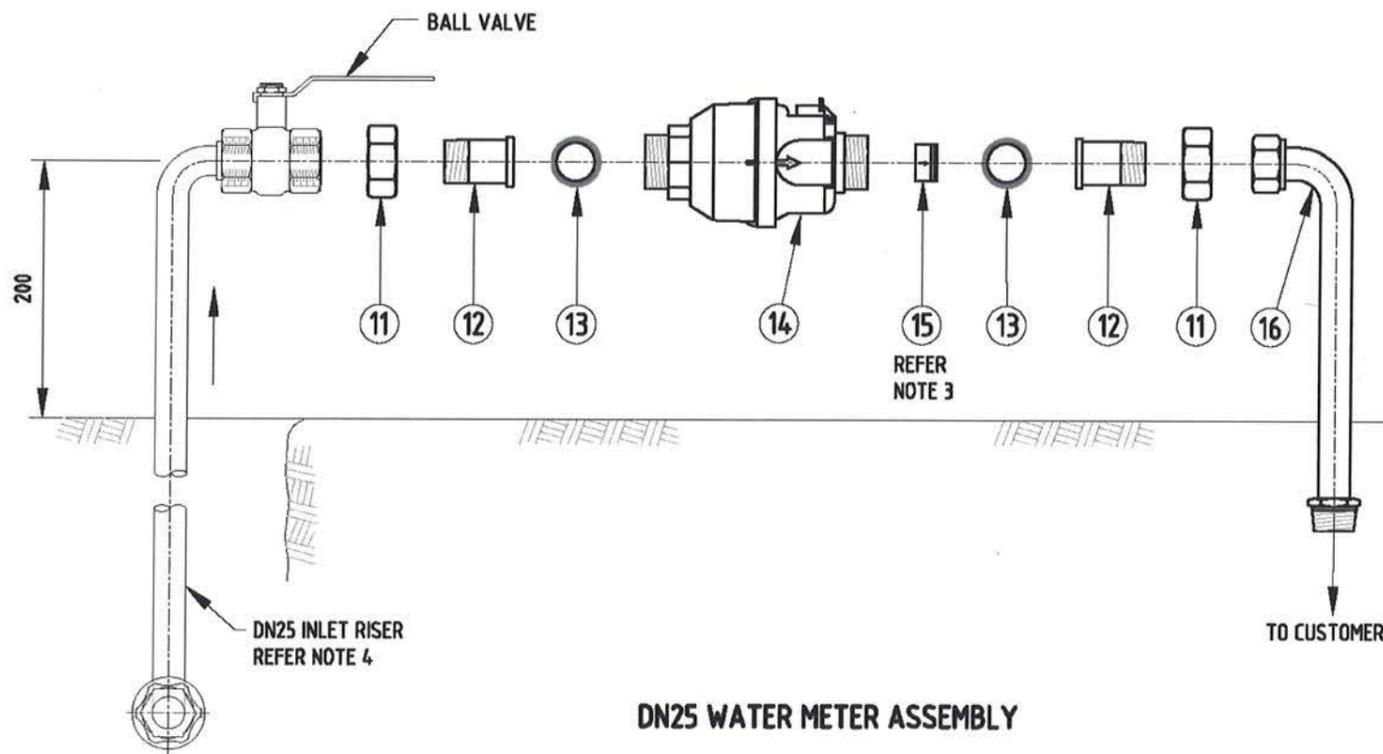


DN20 WATER METER ASSEMBLY

MATERIALS LIST				
ITEM	DESCRIPTION	STOCK. No.	REQ.	COMMENTS
1	DN20 MARIC FLOW CONTROL VALVE		1	REFER NOTE 3.
2	19 mm NUT UNION DR BRASS	4730-1771	1	TO SUIT 20 mm DUAL CHECK TYPE WATER METER.
3	19 mm TAILPIECE UNION DR BRASS	4730-1736	1	TO SUIT 20 mm DUAL CHECK TYPE WATER METER.
4	29.5 mm OD X 3 mm T. RUBBER WASHER.	5330-0246	2	
5	DN20 WATER METER		1	DUAL CHECK TYPE
6	DN20 x 300 mm OUTLET RISER	4730-5133	1	



DN25 WATER METER ASSEMBLY

MATERIALS LIST				
ITEM	DESCRIPTION	STOCK. No.	REQ.	COMMENTS
11	DN32 NUT UNION	4730-1781	2	TO SUIT DN25 WATER METER.
12	DN25 TAILPIECE UNION INLET	4730-1768	2	
13	DN25 WASHER INSERTION RUBBER	5330-0248	2	
14	DN25 WATER METER		1	
15	DN25 MARIC CONTROL VALVE		1	REFER NOTE 3.
16	DN25 x 300 mm OUTLET RISER	4730-1383	1	

**NOTES:**

- SAFETY NOTE:  
**SAFETY - ELECTRICAL EARTH: CONNECT JUMPER LEADS UPSTREAM & DOWNSTREAM OF METER FITTING BEFORE REMOVING METER.**
- REFER 4005-30002-01 & 4005-30002-02 FOR GENERAL NOTES.
- ITEMS 1 & 15 SHALL ONLY BE INSTALLED IF SPECIFIED AND APPROVED BY SA WATER. ALTERNATIVE FLOW RATES ARE AVAILABLE.
- REFER 4005-30006-01 & 4005-30006-02 FOR CONNECTION PIPE & INLET RISER DETAILS.
- STOCK No. REFERS TO SA WATER STOCK NUMBER FOR THAT FITTING.
- ALL DIMENSIONS IN MILLIMETRES.

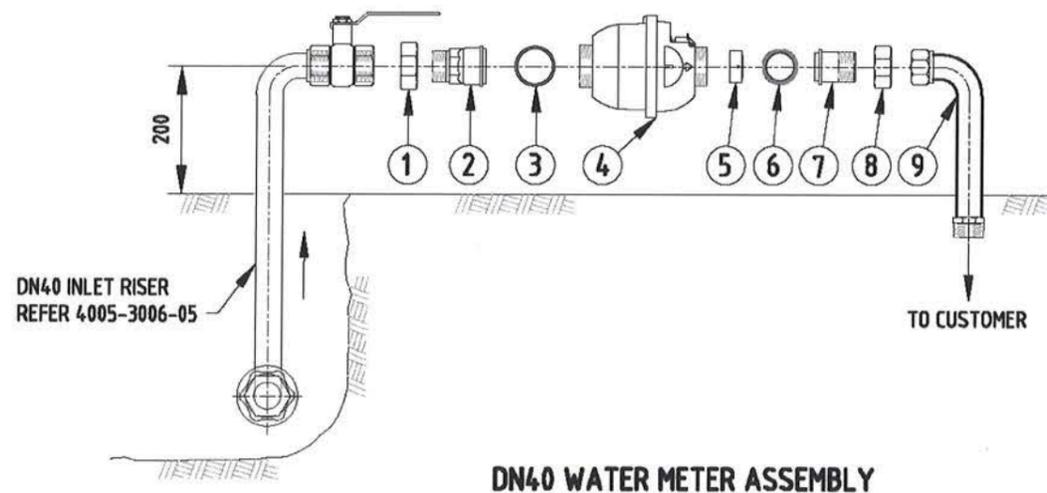
REVISION PANEL				
REV	DATE	DRN	DETAILS	APR
1	31/03/16	MS	2016 STANDARDS REVIEW	TG

DESIGN PANEL	
DESIGNED: 28/09/15 RJP	AUTHORISED: 31/03/16 T.GALEK
DRAWN: 16/11/15 MS	SIGNATURE: <i>T. Galek</i>
REVIEWED: 21/03/16 TG	

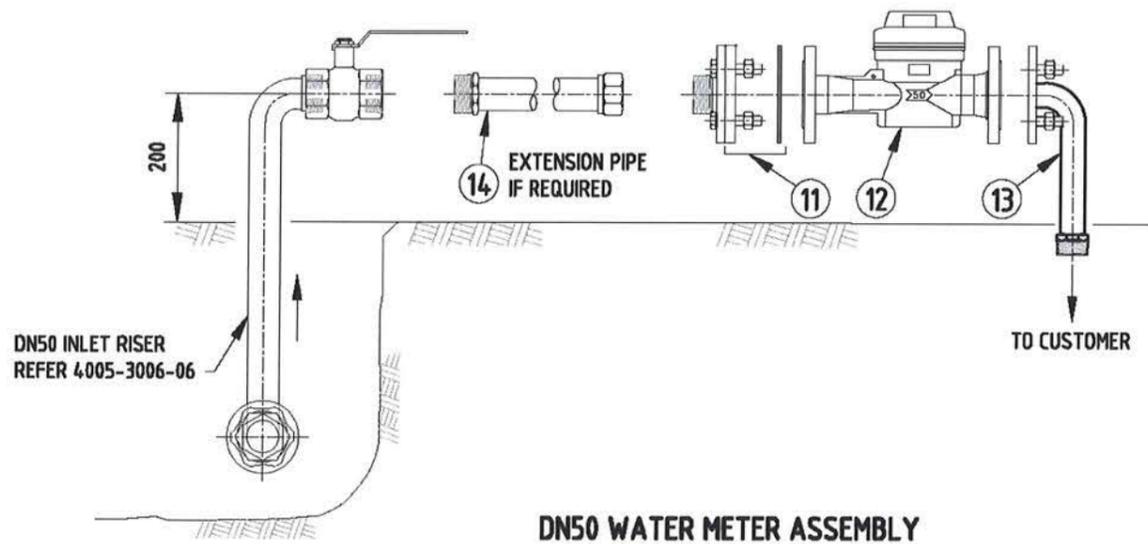
This drawing is the property of the SOUTH AUSTRALIAN WATER CORPORATION and shall not be copied or modified in part or in whole without authorization.

SA WATER STANDARD DRAWINGS  
WATER SUPPLY CONSTRUCTION MANUAL  
DN20 & DN25 WATER METERS  
ABOVE GROUND METER ASSEMBLY  
STANDARD INSTALLATION

A3 SHT SIZE	1 REVISION
TOTAL SHEETS:	
SUPERSEDES: E12, E13, E14	
DRAWING NUMBER 4005-30008-01	
PREFIX	NUMBER SHEET



MATERIALS LIST				
ITEM	DESCRIPTION	STOCK. No.	REQ.	COMMENTS
1	DN57 NUT UNION	4730-1784	1	TO SUIT DN40 WATER METER.
2	TAILPIECE UNION INLET	4730-1814	1	TO SUIT DN40 WATER METER.
3	WASHER, INSERTION RUBBER INLET	5330-0252	1	TO SUIT DN40 WATER METER.
4	DN40 WATER METER		1	
5	DN40 FLOW CONTROL VALVE		1	REFER NOTE 3.
6	WASHER, INSERTION RUBBER OUTLET	5330-0251	1	TO SUIT DN40 WATER METER.
7	DN40 TAILPIECE UNION OUTLET	4730-1815	1	
8	DN40 NUT UNION	4730-1783	1	
9	DN50 OUTLET RISER	4730-1426	1	

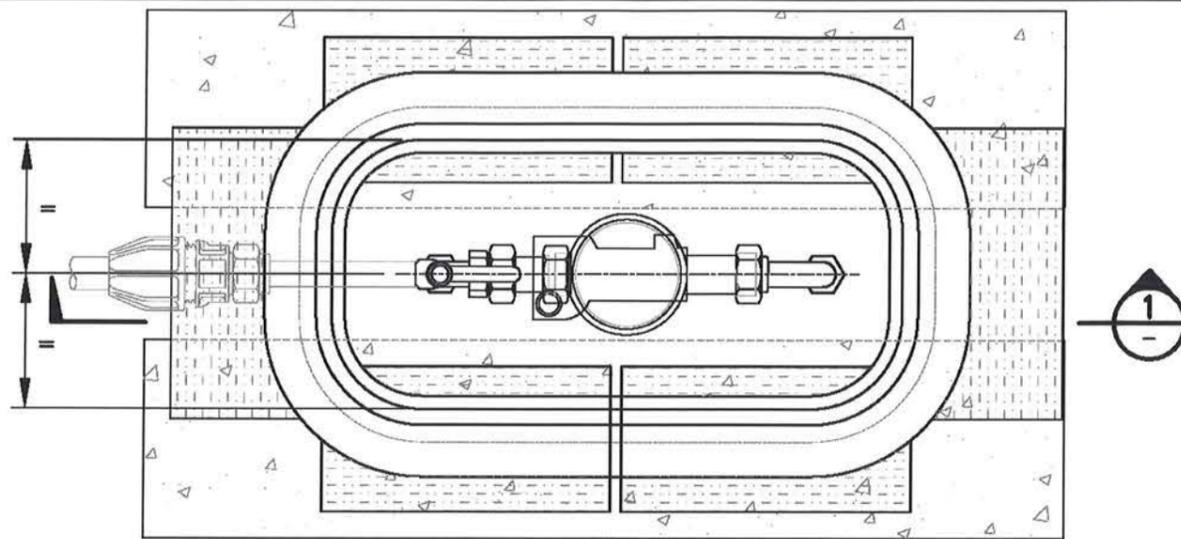


MATERIALS LIST				
ITEM	DESCRIPTION	STOCK. No.	REQ.	COMMENTS
11	DN50 LOOSE RING JOINT FBE COATED FOR DN50 WATER METER	6680-0683	1	
12	DN50 WATER METER		1	
13	DN50 OUTLET RISER (FLANGED)		1	
14	DN50 x 500 LONG EXTENSION PIPE 50 BSP SPIG x 50 BSP SOC	4730-1369	1	FOR ABOVE GROUND INSTALLATION ONLY.

**NOTES:**

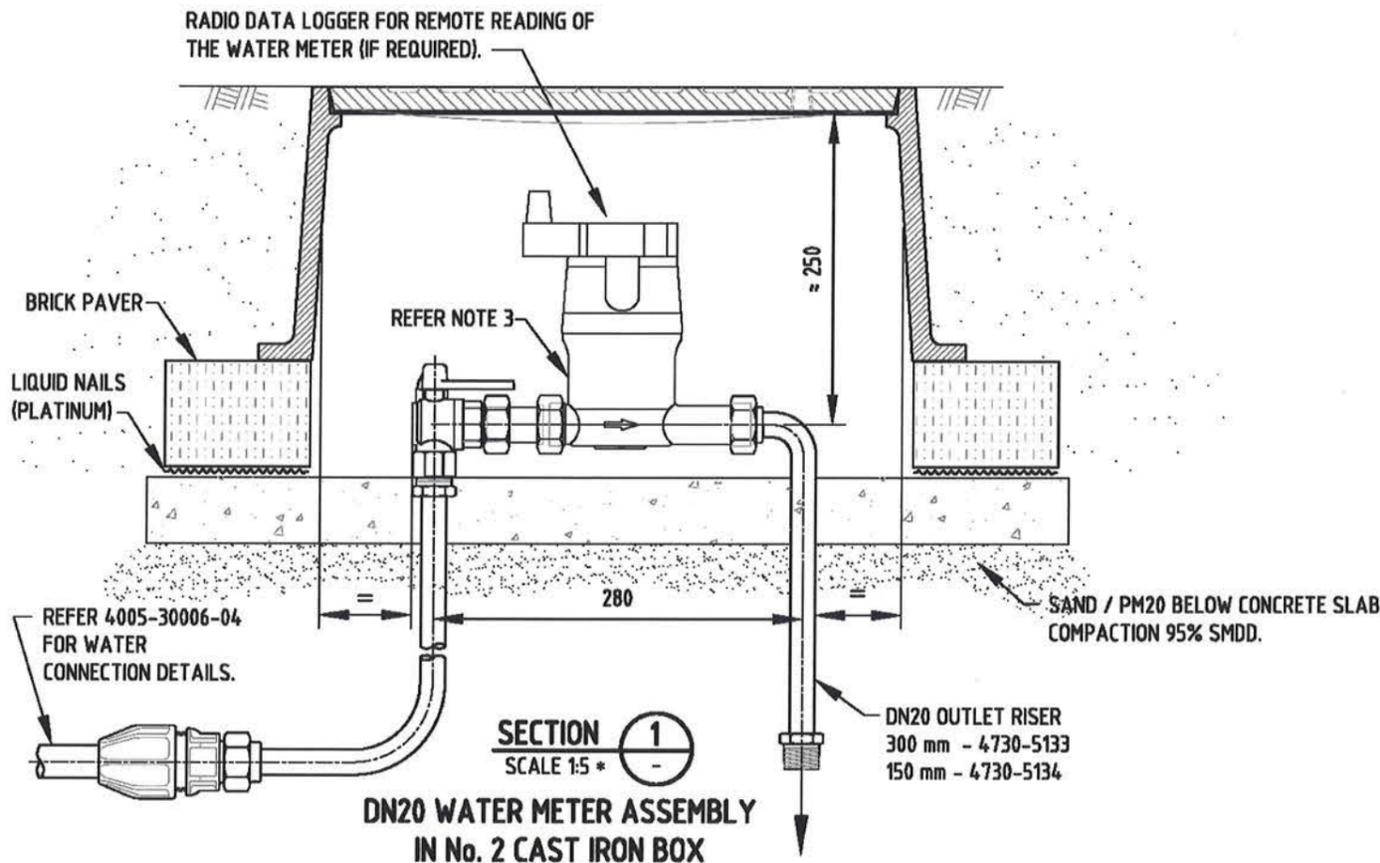
- SAFETY NOTE:  
**SAFETY - ELECTRICAL EARTH: CONNECT JUMPER LEADS UPSTREAM & DOWNSTREAM OF METER FITTING BEFORE REMOVING METER.**
- REFER 4005-30002-01 & 4005-30002-02 FOR GENERAL NOTES.
- ITEM 5 SHALL ONLY BE INSTALLED IF SPECIFIED AND APPROVED BY SA WATER. ALTERNATIVE FLOW RATES ARE AVAILABLE.
- STOCK No. REFERS TO SA WATER STOCK NUMBER FOR THAT FITTING.
- ALL DIMENSIONS IN MILLIMETRES.

REVISION PANEL					DESIGN PANEL		SA Water	SA WATER STANDARD DRAWINGS		A3 SHT SIZE	1 REVISION
REV	DATE	DRN	DETAILS	APR	CURRENT REV AUTHORIZED:	DESIGNED: 28/09/15		AUTHORIZED: 31/03/16	WATER SUPPLY CONSTRUCTION MANUAL		
					SIGNATURE:	RJP	T.GALEK	DN40 & DN50 WATER METERS		SUPERSEDES: E16, E17	
						DRAWN: 16/11/15	SIGNATURE:	ABOVE GROUND METER ASSEMBLY		DRAWING NUMBER	
						REVIEWED: 21/03/16	T. Galek	STANDARD INSTALLATION		4005-30008-02	
1	31/03/16	MS	2016 STANDARDS REVIEW	TG		TG				PREFIX	SHEET



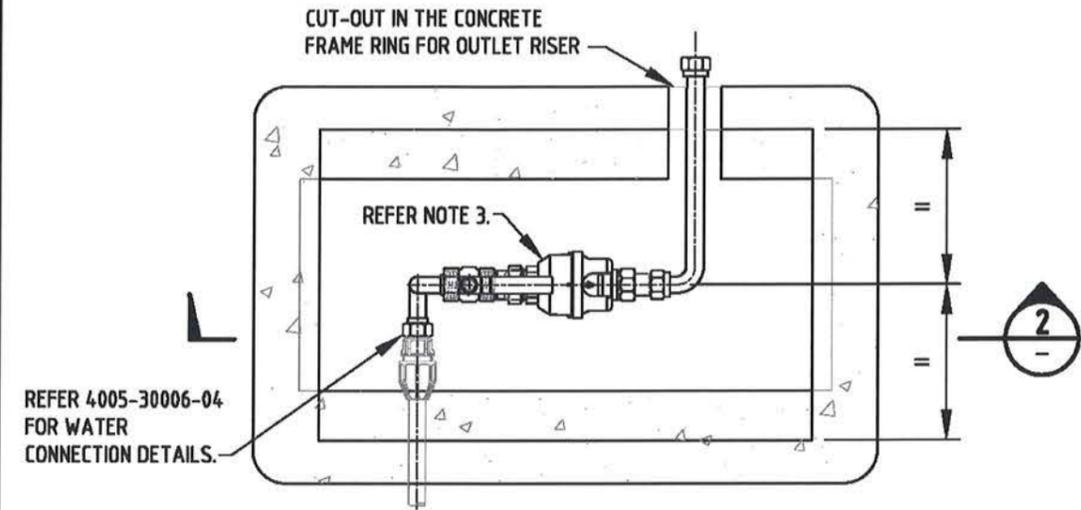
**PLAN**  
LID NOT SHOWN  
SCALE 1:5 \*

CONCRETE SUPPORT STRIPS  
EITHER SIDE OF PIPE WORK

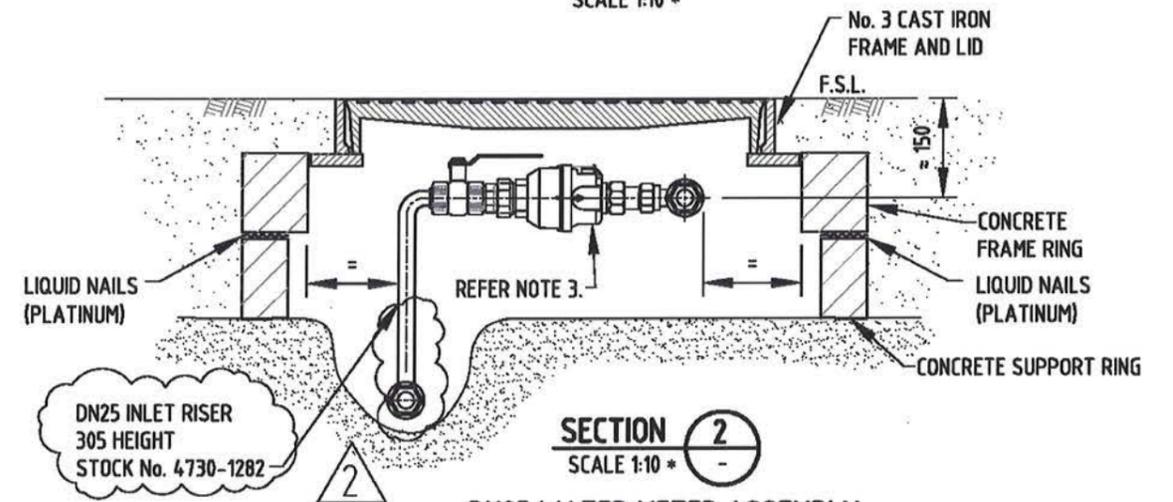


**SECTION 1**  
SCALE 1:5 \*

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



**PLAN**  
LID NOT SHOWN  
SCALE 1:10 \*



**SECTION 2**  
SCALE 1:10 \*

**DN25 WATER METER ASSEMBLY  
IN No. 3 CAST IRON BOX**

**NOTES:**

1. SAFETY NOTE:  
**SAFETY - ELECTRICAL EARTH: CONNECT JUMPER LEADS UPSTREAM & DOWNSTREAM OF METER FITTING BEFORE REMOVING METER.**
2. REFER 4005-30002-01 & 4005-30002-02 FOR GENERAL NOTES.
3. REFER 4005-30008-01 FOR METER & COMPONENT DETAILS.
4. REFER 4005-30004-03 FOR ALLOCATION OF SPACE IN LAND DIVISIONS.
5. STOCK No. REFERS TO THE SA WATER STOCK NUMBER FOR THAT ITEM.
6. ALL DIMENSIONS IN MILLIMETRES.

\* DO NOT SCALE OF PAPER DRAWING

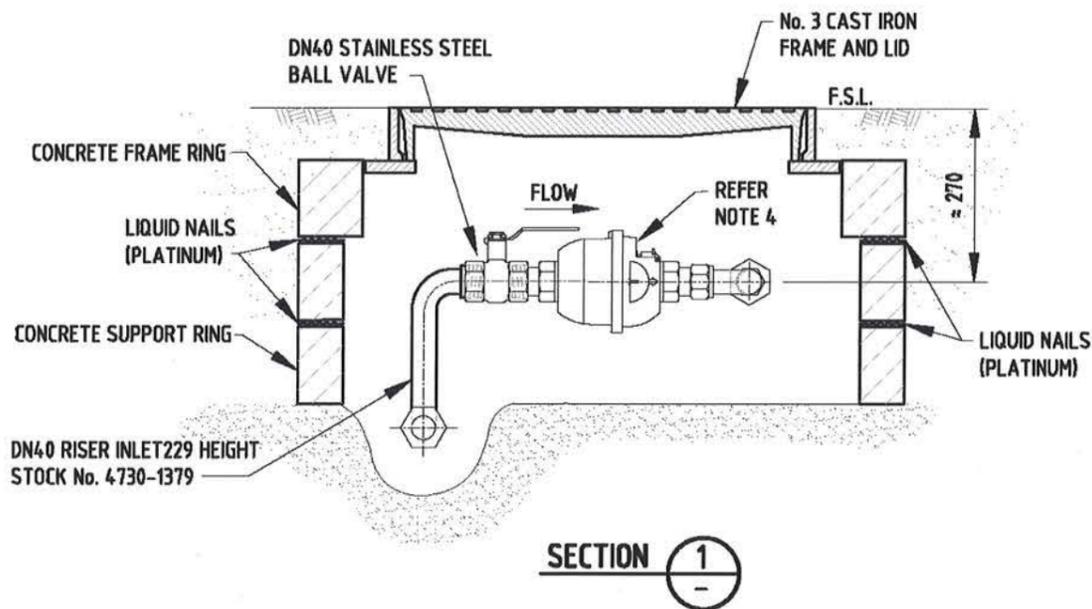
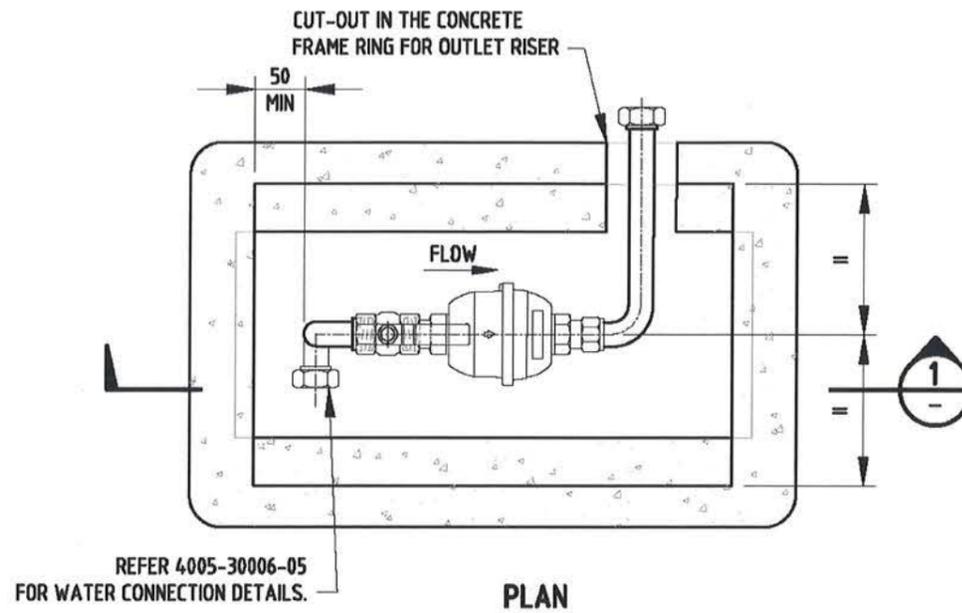
REVISION PANEL				
REV	DATE	DRN	DETAILS	APR
2	21/10/16	RJP	DN25 INET RISER DESCRIPTION ALTERED	T. GALEK
1	31/03/16	MS	2016 STANDARDS REVIEW	TG

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

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**SA WATER STANDARD DRAWINGS**  
**WATER SUPPLY CONSTRUCTION MANUAL**  
**DN20 & DN25 WATER METERS**  
**METER IN BELOW GROUND CHAMBER**  
**STANDARD INSTALLATION**

A3	2
SHT SIZE	REVISION
TOTAL SHEETS:	
SUPERSEDES: 96-0083-01 (L16)	
DRAWING NUMBER	
<b>4005-30008-03</b>	
PREFIX	NUMBER SHEET

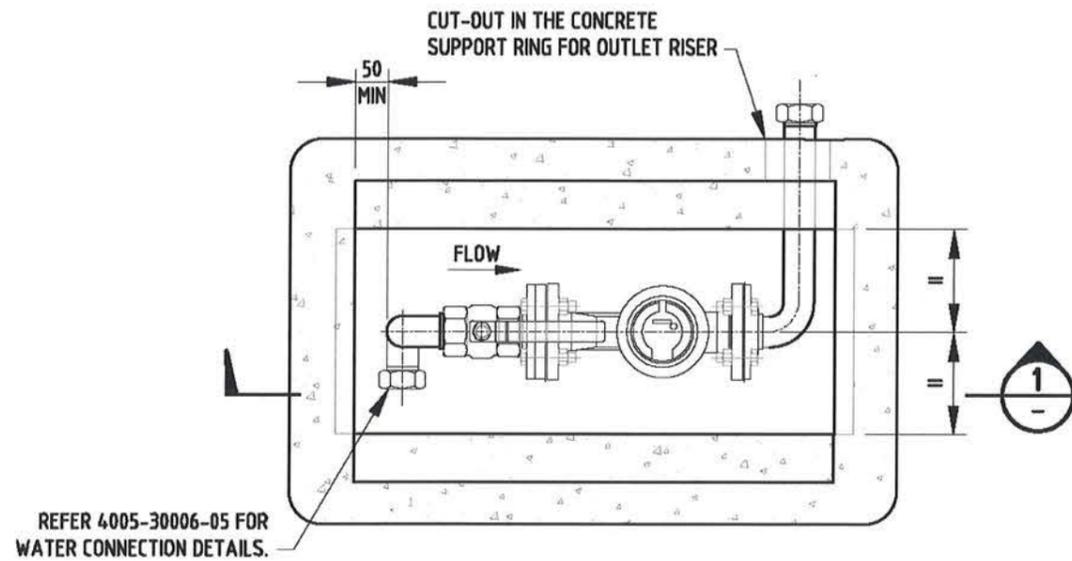


**DN40 WATER METER ASSEMBLY  
IN No3 CAST IRON BOX**

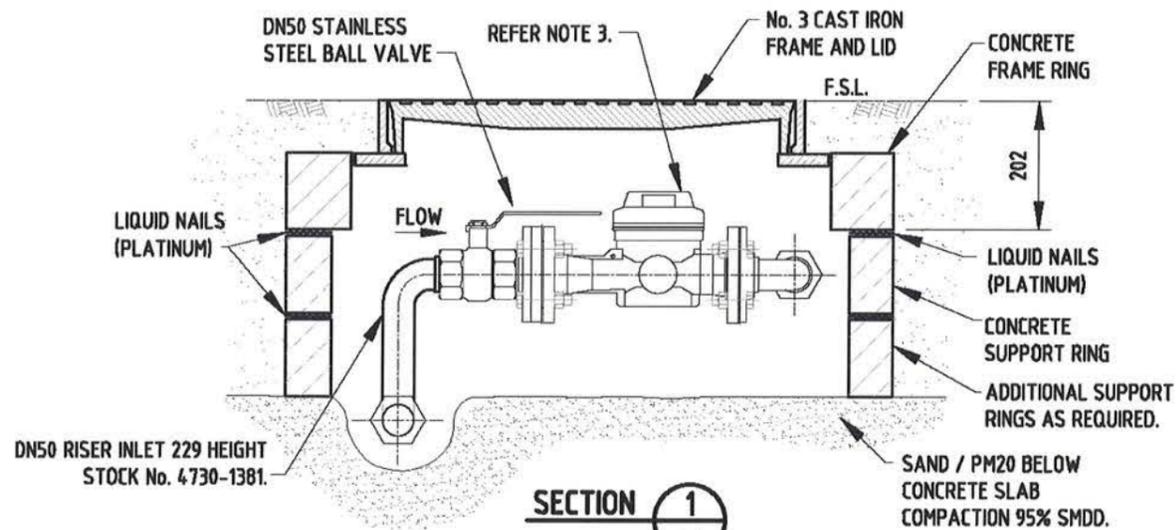
**NOTES:**

1. SAFETY NOTE:  
**SAFETY - ELECTRICAL EARTH: CONNECT JUMPER LEADS UPSTREAM & DOWNSTREAM OF METER FITTING BEFORE REMOVING METER.**
2. REFER 4005-30002-01 & 4005-30002-02 FOR GENERAL NOTES.
3. REFER 4005-30008-02 FOR WATER METER & COMPONENT DETAILS.
4. REFER 4005-30004-03 FOR ALLOCATION OF SPACE IN LAND DIVISIONS.
5. STOCK NO. REFERS TO THE SA WATER STOCK No. FOR THAT ITEM.
6. ALL DIMENSIONS IN MILLIMETRES.

REVISION PANEL					DESIGN PANEL			SA WATER STANDARD DRAWINGS		A3	1		
REV	DATE	DRN	DETAILS	APR	CURRENT REV AUTHORIZED:	DESIGNED: 28/09/15		AUTHORISED: 31/03/16	WATER SUPPLY CONSTRUCTION MANUAL		SHT SIZE	REVISION	
						DESIGNED: RJP	AUTHORISED: T.GALEK	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.		TOTAL SHEETS:			
						DRAWN: MS	SIGNATURE: <i>T. Galek</i>			SUPERSEDES: 96-0084-02 (L17)		DRAWING NUMBER	
						REVIEWED: TG				4005-30008-04		PREFIX	NUMBER
1	31/03/16	MS	2016 STANDARDS REVIEW	TG				<b>METER IN BELOW GROUND CHAMBER STANDARD INSTALLATION</b>					



PLAN



SECTION 1  
DN50 WATER METER ASSEMBLY  
IN No3 CAST IRON BOX

**NOTES:**

1. SAFETY NOTE:  
**SAFETY - ELECTRICAL EARTH: CONNECT JUMPER LEADS UPSTREAM & DOWNSTREAM OF METER FITTING BEFORE REMOVING METER.**
2. REFER 4005-30002-01 & 4005-30002-02 FOR GENERAL NOTES.
3. REFER 4005-30008-02 FOR WATER METER & COMPONENT DETAILS.
4. REFER 4005-30004-03 FOR ALLOCATION OF SPACE IN LAND DIVISIONS.
5. STOCK NO. REFERS TO THE SA WATER STOCK NO. FOR THAT ITEM.
6. ALL DIMENSIONS IN MILLIMETRES.

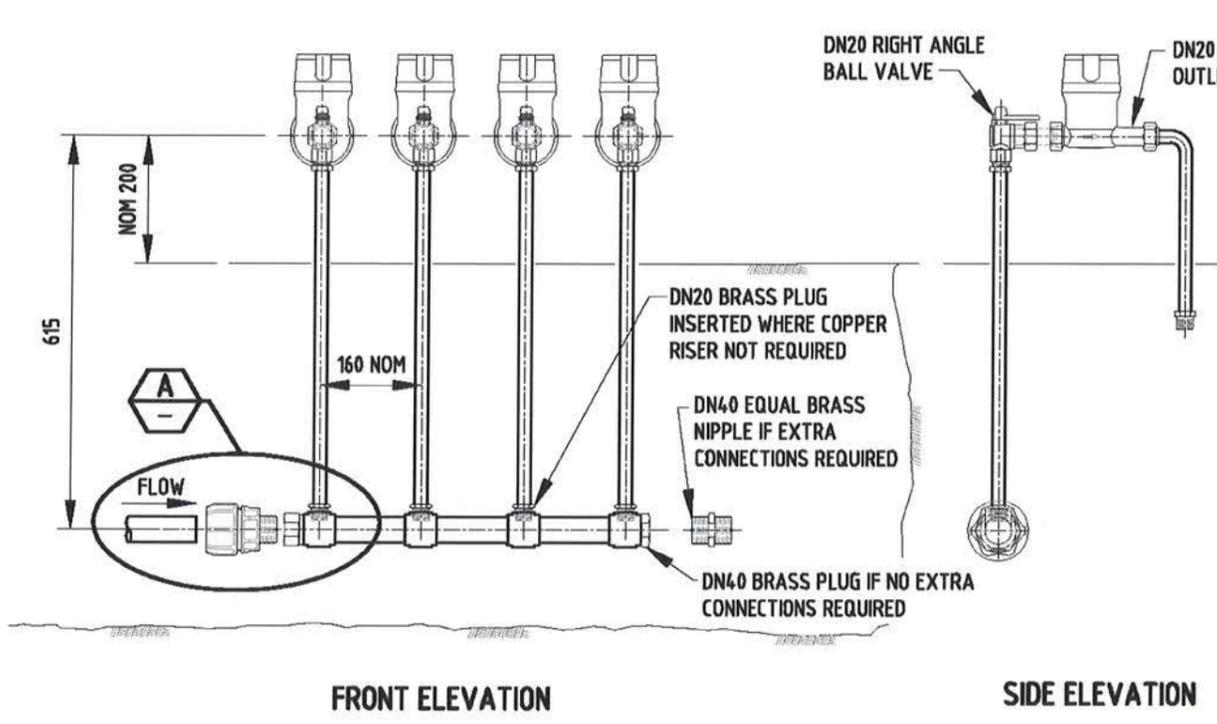
REVISION PANEL					
REV	DATE	DRN	DETAILS	APR	CURRENT REV AUTHORISED:
1	31/03/16	MS	2016 STANDARDS REVIEW	TG	

DESIGN PANEL	
DESIGNED: 28/09/15 RJP	AUTHORISED: 31/03/16 T.GALEK
DRAWN: 16/11/15 MS	SIGNATURE: <i>T. Galek</i>
REVIEWED: 21/03/16 TG	

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**SA WATER STANDARD DRAWINGS**  
**WATER SUPPLY CONSTRUCTION MANUAL**  
**DN50 WATER METERS**  
**METER IN BELOW GROUND CHAMBER**  
**STANDARD INSTALLATION**

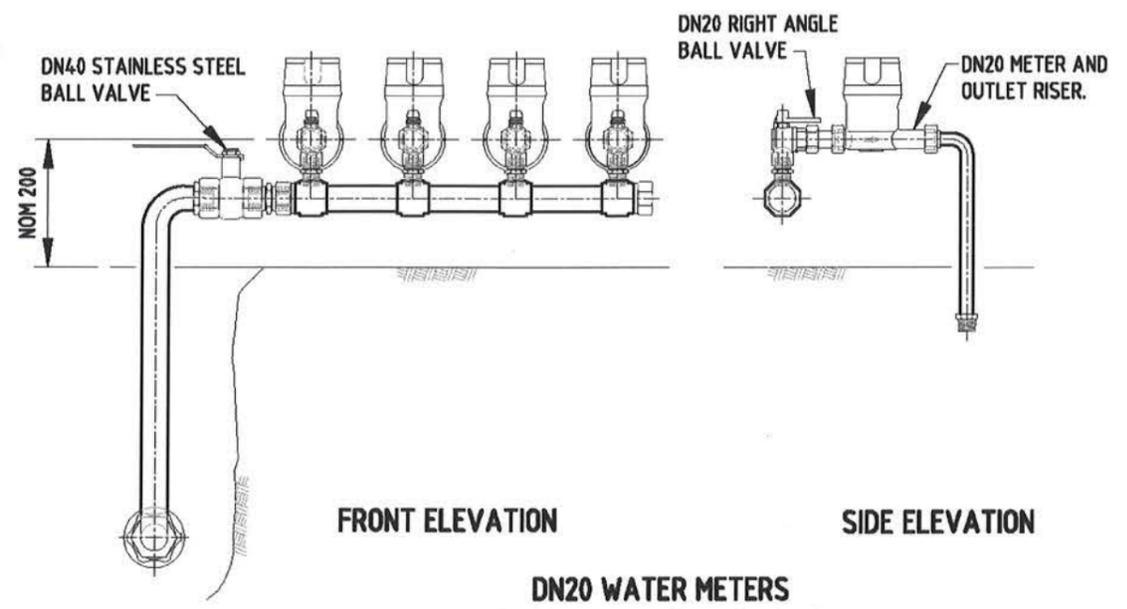
A3	1
SHT SIZE	REVISION
TOTAL SHEETS:	
SUPERSEDES: 96-0084-02 (L18)	
DRAWING NUMBER	
<b>4005-30008-05</b>	
PREFIX	NUMBER SHEET



FRONT ELEVATION

SIDE ELEVATION

**DN20 WATER METERS  
DN40 MANIFOLD - OPTION 1**  
(REFER TABLE 1 FOR OTHER SIZES)



FRONT ELEVATION

SIDE ELEVATION

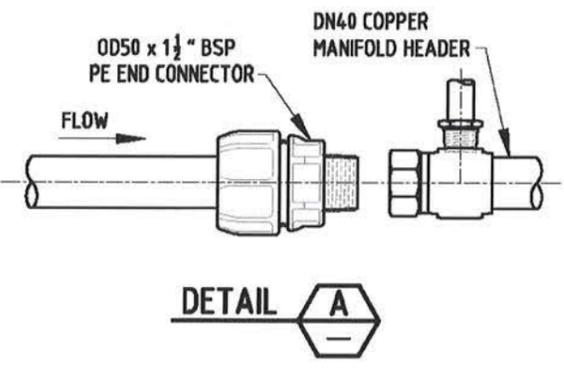
**DN20 WATER METERS  
DN40 MANIFOLD - OPTION 2**  
(REFER TABLE 1 FOR OTHER SIZES)

TABLE 1

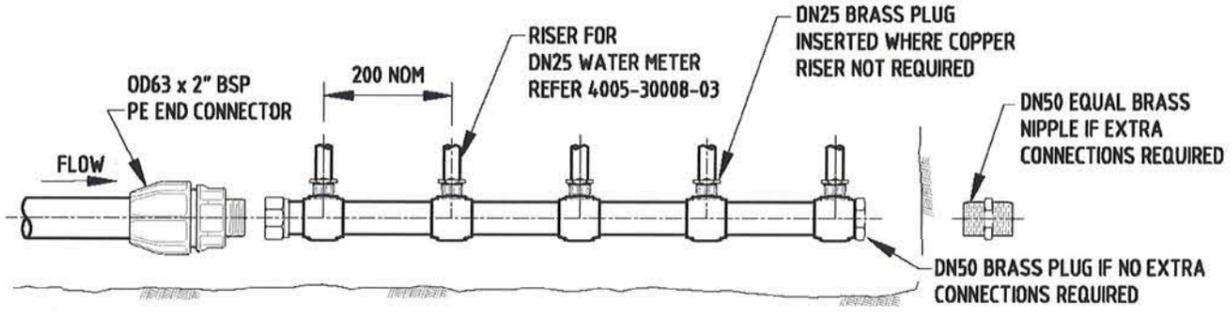
MANIFOLD SIZING & AVAILABILITY OPTIONS			
MANIFOLD	RISERS	STOCK NO.	COMMENT
25	2	20 4730-0089	
25	3	20 4730-0092	
25	4	20	REFER MANUFACTURER
40	3	20 4730-0090	
40	4	20 4730-0091	
40	5	20 4730-0093	
40	6	20 4730-0094	
50	5	25	REFER MANUFACTURER

**NOTES:**

- DN20 WATER METER MANIFOLD INSTALLATION:  
OPTION 1: IS THE PREFERRED OPTION.  
OPTION 2: REQUIRES APPROVAL OF THE SA WATER REPRESENTATIVE.
- SAFETY NOTE:  
**SAFETY - ELECTRICAL EARTH: CONNECT JUMPER LEADS UPSTREAM & DOWNSTREAM OF METER FITTING BEFORE REMOVING METER.**
- REFER 4005-30002-01 & 4005-30002-02 FOR GENERAL NOTES.
- REFER 4005-30008-02 FOR WATER METER ASSEMBLY.
- PROTECT ALL BELOW GROUND BRASS FITTINGS WITH PETROLATUM ANTI-CORROSION SYSTEM IN ACCORDANCE WITH TS 18.
- PE JOINERS AND CLOSURES PROVIDED WITH MANIFOLD.
- STOCK NO. REFERS TO THE SA WATER STOCK NO. FOR THAT ITEM.
- ALL DIMENSIONS IN MILLIMETRES.



DETAIL A



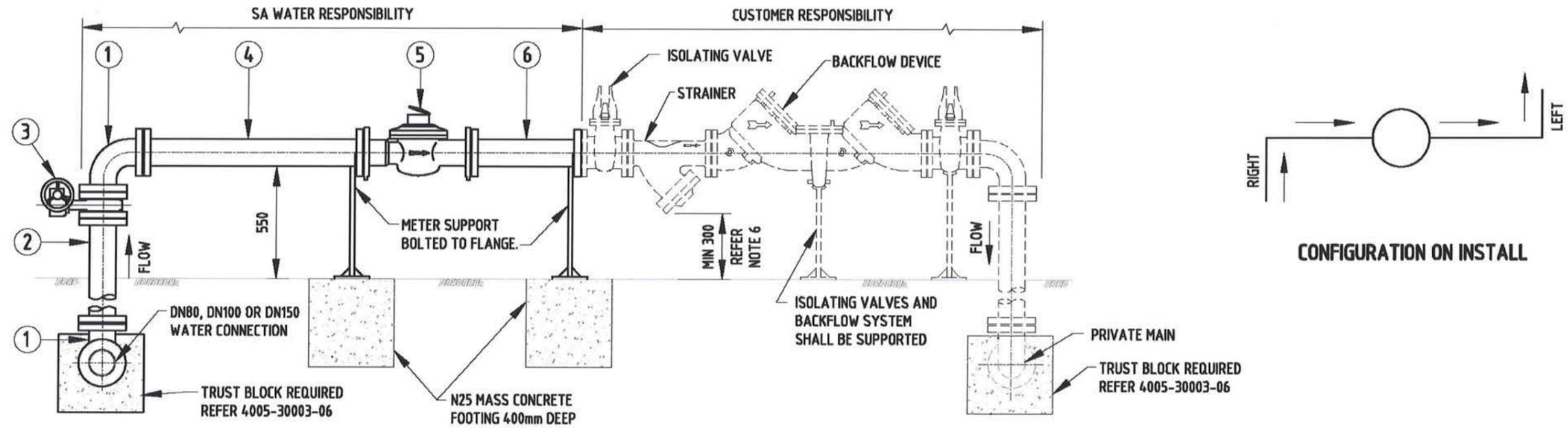
**DN25 WATER METERS  
DN50 MANIFOLD**  
(REFER TABLE 1 FOR OTHER SIZES)

**MANIFOLD SIZING:**

- MANIFOLDS ARE AVAILABLE WITH OPTIONS FOR DIFFERING NUMBERS OF INLET RISERS.
- MANIFOLDS ARE ABLE TO BE JOINED TO ACHIEVE, UP TO A MAXIMUM NUMBER OF 12 DN20 RISERS.
- MANIFOLD SIZING & AVAILABILITY IS LISTED IN TABLE 1.

REVISION PANEL				DESIGN PANEL		<p>SA WATER</p>	<p>SA WATER STANDARD DRAWINGS WATER SUPPLY CONSTRUCTION MANUAL DN20 &amp; DN25 WATER METERS MANIFOLD ASSEMBLY STANDARD INSTALLATION</p>	<p>A3 SHT SIZE</p>	<p>1 REVISION</p>
REV	DATE	DRN	DETAILS	APR	CURRENT REV AUTHORIZED:				
					SIGNATURE:	RJP	T.GALEK	SUPERSEDES: E20, E22	
						DRAWN: 16/11/15	SIGNATURE:	DRAWING NUMBER	
						REVIEWED: 21/03/16	T. Galek	4005-30008-06	
1	31/03/16	MS	2016 STANDARDS REVIEW	TG		TG		PREFIX NUMBER SHEET	

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SA WATER PIPEWORK - FITTINGS SCHEDULE WITH SA WATER STOCK NUMBERS

ITEM	DESCRIPTION	DN80	STOCK No.	DN100	STOCK No.	DN150	STOCK No.
1	90° BEND FLANGE/FLANGE	φ80	4730-0962	φ100	4730-0963	φ150	4730-0964
2	EXTENSION PIPE FLANGE/FLANGE #	# x φ80	-	# x φ100	-	# x φ150	-
3	WAFFER TYPE BUTTERFLY VALVE - GEAR ACTUATOR OPERATED	φ80	-	φ100	-	φ150	-
4	EXTENSION PIPE FLANGE/ FLANGE	800 x φ80	-	1000 x φ100	-	1500 x φ150	-
5	TURBINE FLOW WATER METER	φ80	-	φ100	-	φ150	-
6	EXTENSION PIPE FLANGE/ FLANGE	400 x φ80	-	500 x φ100	-	750 x φ150	-
-	GASKET - 3mm INSERTION RUBBER GASKET	φ80	5330-0212	φ100	5330-0213	φ150	5330-0214

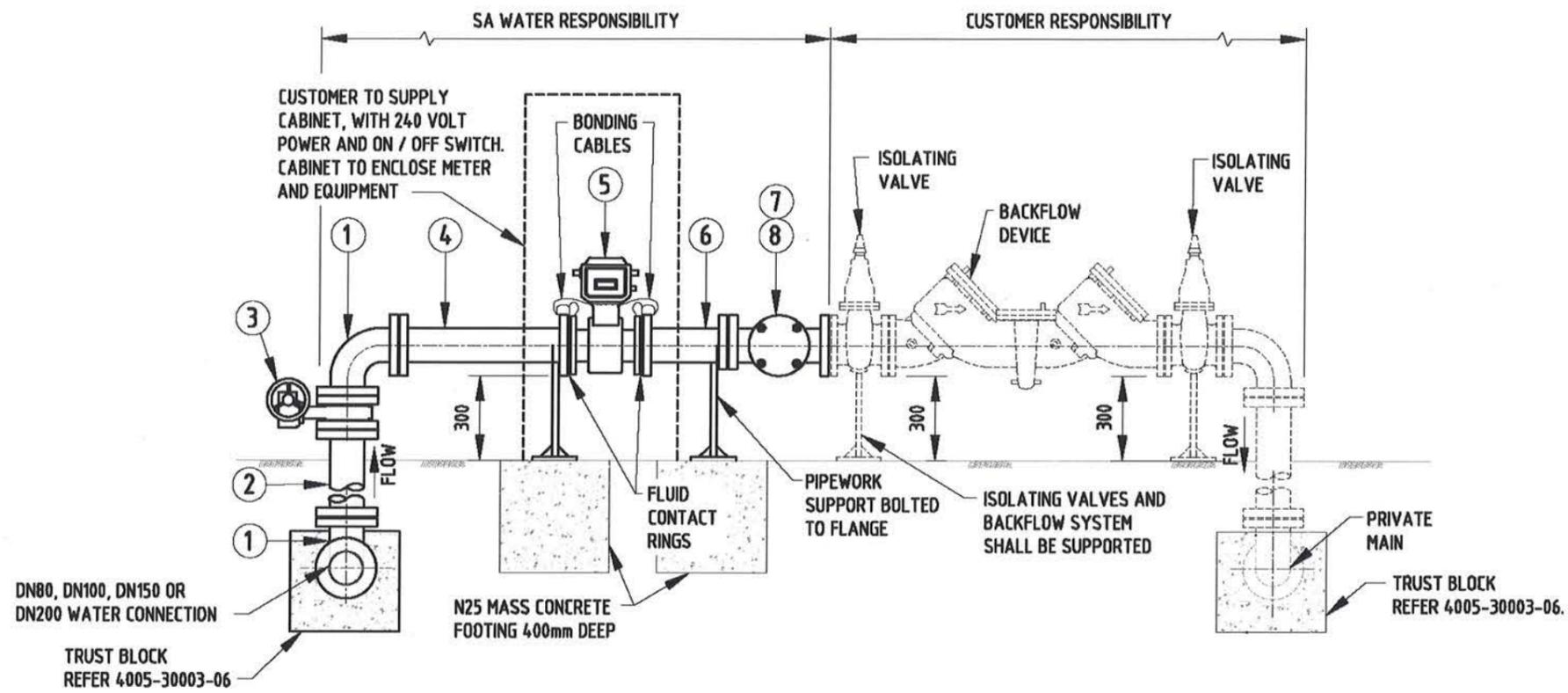
# LENGTH TO BE DETERMINED ON SITE.

**NOTES:**

- REFER 4005-30002-01 & 4005-30002-02 FOR GENERAL NOTES.
- FLANGED PIPEWORK SHALL BE USED.
- INSTALLATIONS IN TRAFFICABLE AREAS SHALL HAVE PROTECTION POSTS INSTALLED.
- THRUST BLOCKS SHALL BE INSTALLED ON INLET AND OUTLET BENDS. REFER SECTION 6.
- TURBINE FLOW WATER METERS SHALL BE INSTALLED IN COMPLIANCE WITH MANUFACTURER'S INSTRUCTIONS.
- MIN 300 FROM GROUND TO THE UNDERSIDE OF STRAINER OR BACK-FLOW DEVICE WHICH EVER IS CLOSEST.
- ALL DIMENSIONS IN MILLIMETRES.

REVISION PANEL				DESIGN PANEL				<p>SA WATER STANDARD DRAWINGS WATER SUPPLY CONSTRUCTION MANUAL DN80, DN100 &amp; DN150 WATER CONNECTIONS ABOVE GROUND TURBINE METER</p>	A3 SHT SIZE	1 REVISION
REV	DATE	DRN	DETAILS	APR	CURRENT REV AUTHORIZED:	DESIGNED: 28/09/15	AUTHORIZED: 31/03/16		TOTAL SHEETS:	
					SIGNATURE:	RJP	T.GALEK	SUPERSEDES: 91-0085-01 (E18)		
						MS		DRAWING NUMBER		
						TG		<b>4005-30008-07</b>		
1	31/03/16	MS	2016 STANDARDS REVIEW	TG				PREFIX	NUMBER	SHEET

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**DN80, DN100, DN150 AND DN200 METER ASSEMBLY**

**SA WATER PIPEWORK - FITTINGS SCHEDULE WITH SA WATER STOCK NUMBERS**

ITEM	DESCRIPTION	DN80	STOCK No.	DN100	STOCK No.	DN150	STOCK No.	DN200	STOCK No.
1	90° BEND FLANGE /FLANGE	ø80	4730-0962	ø100	4730-0963	ø150	4730-0964	ø200	4730-0965
2	EXTENSION PIPE FLANGE /FLANGE #	# x ø80	-	# x ø100	-	# x ø150	-	# x ø200	-
3	WAFER TYPE BUTTERFLY VALVE - GEAR ACTUATOR OPERATED	ø80	-	ø100	-	ø150	-	ø200	-
4	EXTENSION PIPE FLANGE /FLANGE	450 x ø80	4730-1136	600 x ø100	4730-1142	760 x ø150	4730-1150	1065 x ø200	4730-1160
5	MAG FLOW WATER METER	ø80	-	ø100	-	ø150	-	ø200	-
6	EXTENSION PIPE FLANGED	225 x ø80	4730-1133	300 x ø100	4730-1140	455 x ø150	4730-1148	610 x ø200	4730-1157
7	TEE FLANGE/ FLANGE/ BRANCH FLANGE - ø80 BR	ø80 OFF ø80	4730-1042	ø80 OFF ø100	4730-1043	ø80 OFF ø150	4730-1045	ø80 OFF ø200	4730-5050
8	BLIND FLANGE - ø80	ø80	4730-1318	ø80	4730-1318	ø80	4730-1318	ø80	4730-1318
-	GASKET - 3mm INSERTION RUBBER GASKET	ø80	5330-0212	ø100	5330-0213	ø150	5330-0214	ø200	5330-0215

# LENGTH TO BE DETERMINED ON SITE.

**NOTES:**

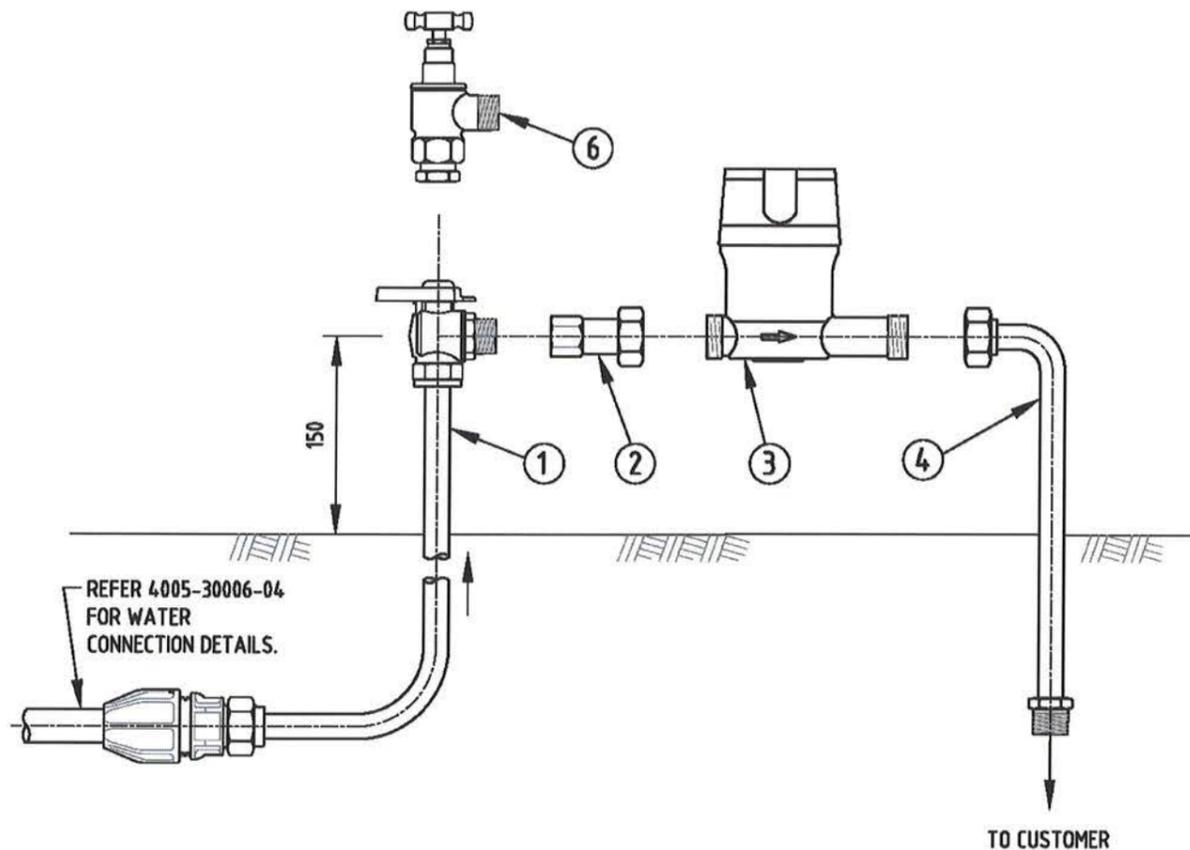
- REFER 4005-30002-01 & 4005-30002-02 FOR GENERAL NOTES.
- FLANGED PIPEWORK SHALL BE USED.
- INSTALLATIONS IN TRAFFICABLE AREAS SHALL HAVE PROTECTION POSTS INSTALLED.
- THRUST BLOCKS SHALL BE INSTALLED ON INLET AND OUTLET BENDS. REFER SECTION 6.
- TURBINE FLOW WATER METERS SHALL BE INSTALLED IN COMPLIANCE WITH MANUFACTURER'S INSTRUCTIONS.
- MIN 300 FROM GROUND TO THE UNDERSIDE OF STRAINER OR BACK-FLOW DEVICE WHICH EVER IS CLOSEST.
- ALL DIMENSIONS IN MILLIMETRES.

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

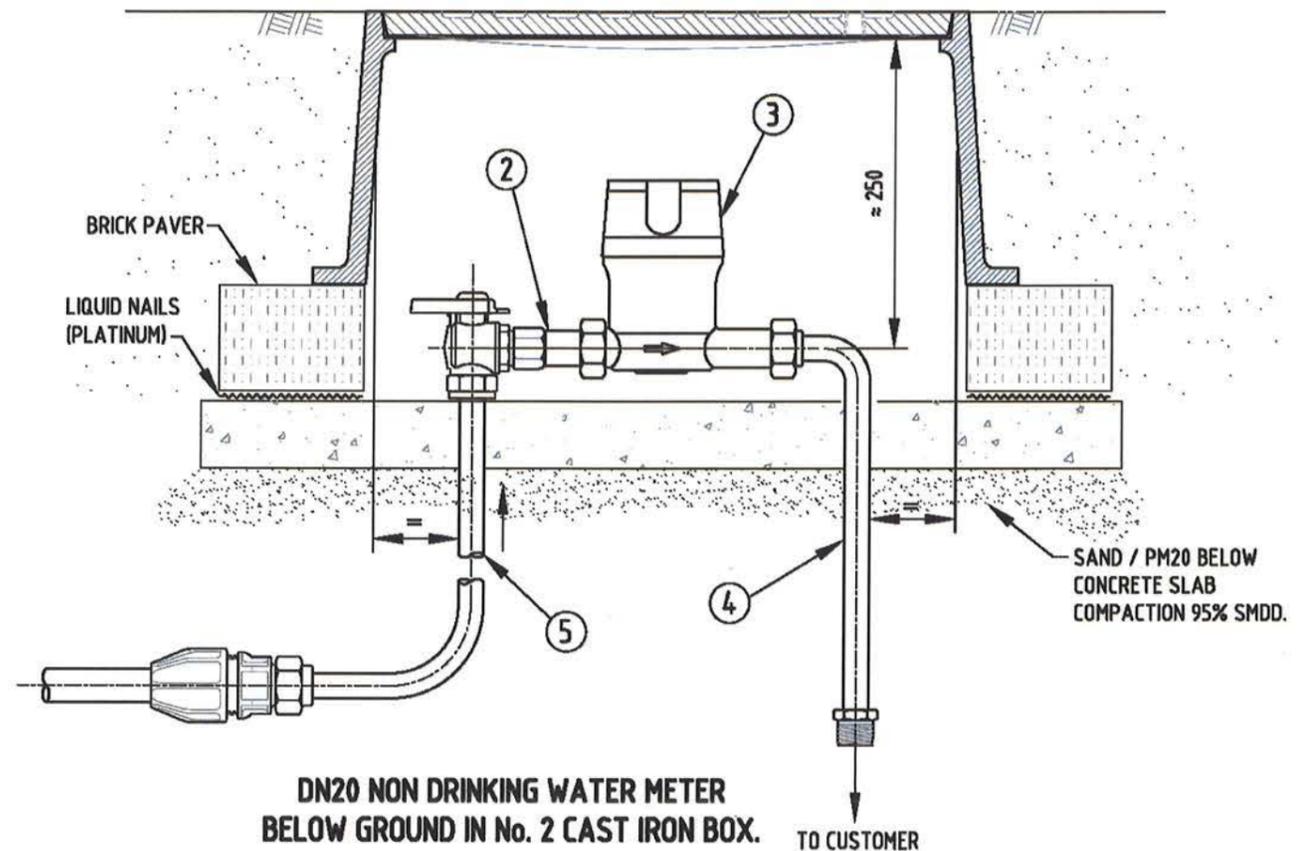
DESIGN PANEL	
DESIGNED: 28/09/15 RJP	AUTHORISED: 31/03/16 T.GALEK
DRAWN: 16/11/15 MS	SIGNATURE: <i>T. Galek</i>
REVIEWED: 21/03/16 TG	

**SA WATER STANDARD DRAWINGS**  
**WATER SUPPLY CONSTRUCTION MANUAL**  
**DN80, DN100, DN150 AND DN200**  
**WATER CONNECTIONS**  
**ABOVE GROUND MAG FLOW METER**

A3 SHT SIZE	1 REVISION
TOTAL SHEETS:	
SUPERSEDES: 2005-01172A (E19)	
DRAWING NUMBER	
<b>4005-30008-08</b>	
PREFIX	NUMBER SHEET



**DN20 NON DRINKING WATER METER  
ABOVE GROUND**



**DN20 NON DRINKING WATER METER  
BELOW GROUND IN No. 2 CAST IRON BOX.**

**NOTES:**

1. ONLY ITEMS SPECIFIED IN THE MATERIALS LIST SHALL BE INSTALLED.
2. REFER 4005-30002-01 & 4005-30002-02 FOR GENERAL NOTES.
3. NON DRINKING WATER CONNECTIONS SHALL BE LAID IN ACCORDANCE WITH DRINKING WATER CONNECTIONS. REFER SECTION 6 DRAWINGS.
4. ALL NON DRINKING PIPE FITTINGS, INLET/ OUTLET RISERS AND WATER METER SHALL BE PAINTED LILAC (P23, AS 2700).
5. WHERE THE PAINTED COMPONENTS HAVE BEEN DIMINISHED OR SCRATCHED DURING INSTALLATION, THE CONTRACTOR SHALL USE SPRAY PAINT TO TOUCH UP COMPONENTS TO THE SATISFACTION OF THE SA WATER REPRESENTATIVE. REFER TS 0503, CLAUSE 15.1 FOR THE APPROVED PAINT.
6. SAFETY NOTE:  
**SAFETY - ELECTRICAL EARTH: CONNECT JUMPER LEADS UPSTREAM & DOWNSTREAM OF METER FITTING BEFORE REMOVING METER.**
7. STOCK No. REFERS TO SA WATER STOCK NUMBER FOR THAT FITTING.
8. ALL DIMENSIONS IN MILLIMETRES.

MATERIALS LIST				
ITEM	DESCRIPTION	STOCK. No.	REQ.	COMMENTS
1	DN20 x 530 mm INLET RISER & VALVE	4730-5012	1	ZETCO BALL VALVE (SERIES 1250) LILAC HANDLE
2	TAIL PIECE UNION	4730-9000	1	
3	DN20 WATER METER		1	LILAC
4	DN20 x 300 mm OUTLET RISER	4730-1501	1	PAINTED LILAC
5	DN20 x 300 mm INLET RISER	4730-8000	1	PAINTED LILAC
6	"LOOSE JUMPER" VALVE	4820-0118	1	MAINTENANCE ONLY USE - PAINTED LILAC

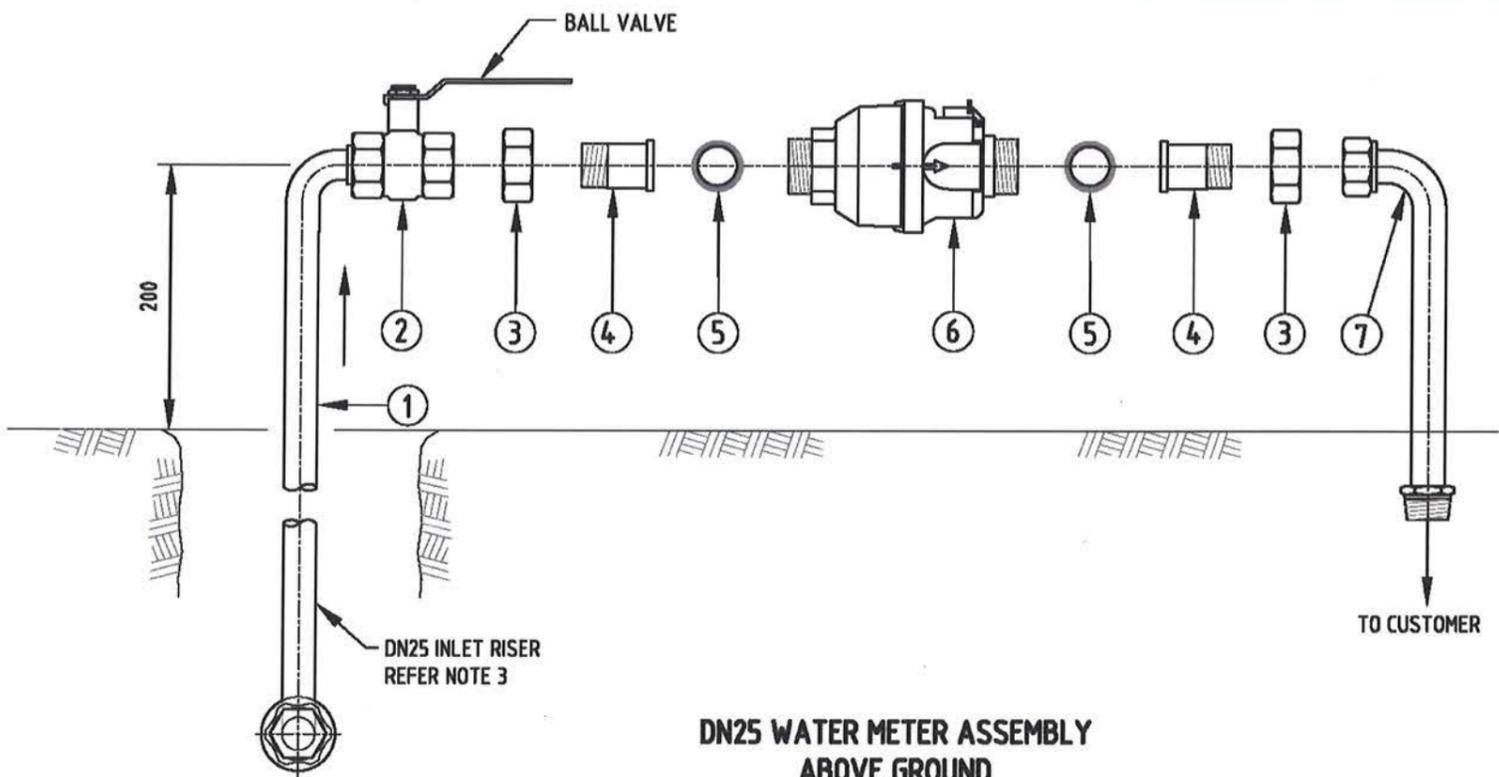
REVISION PANEL				
REV	DATE	DRN	DETAILS	APR
3	22/03/17	RP	STOCK NOS REVISED	
2	28/11/16	LS	ZETCO VALVE REPLACING LOOSE JUMPER VALVE	TG
1	31/03/16	MS	2016 STANDARDS REVIEW	TG

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

  
 This drawing is the property of the  
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 WATER CORPORATION  
 and shall not be copied or modified  
 in part or in whole without authorization.

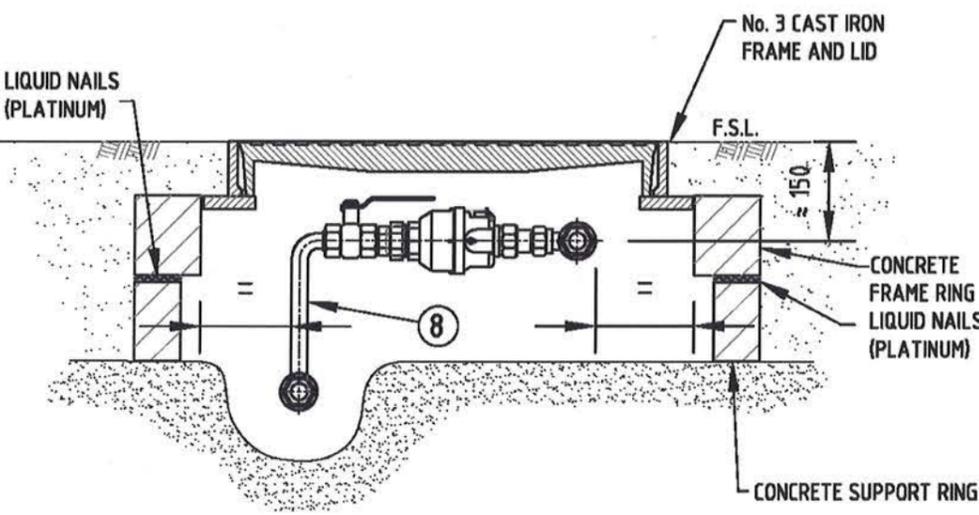
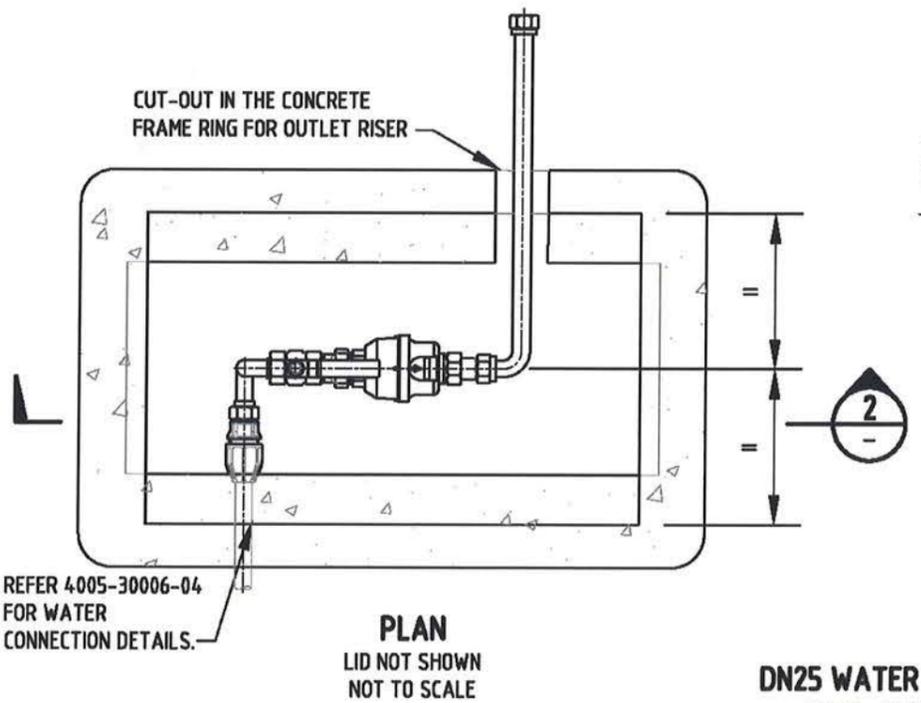
**SA WATER STANDARD DRAWINGS**  
**WATER SUPPLY CONSTRUCTION MANUAL**  
**DN20 NON DRINKING WATER METER**  
**METER ASSEMBLIES**  
**ABOVE & BELOW GROUND**

A3	3
SHT SIZE	REVISION
TOTAL SHEETS:	
SUPERSEDES: 02-0072-01 (K2)	
DRAWING NUMBER	
<b>4005-30008-09</b>	
PREFIX	NUMBER SHEET



MATERIALS LIST				
ITEM	DESCRIPTION	STOCK No.	REQ.	COMMENTS
1	DN25 x 533 INLET RISER	4820-8001	1	PAINTED LILAC
2	DN25 BALL VALVE	4820-7001	1	ZETCO SERIES 1298 LILAC HANDLE
3	DN32 NUT UNION	4730-9002	2	WHITWORTH THREAD REQUIRED
4	DN25 TAILPIECE UNION INLET	4730-9001	2	
5	DN25 WASHER INSERTION RUBBER	5330-0248	2	
6	DN25 WATER METER		1	WHITWORTH THREAD REQUIRED
7	DN25 x 267 mm OUTLET RISER	4730-1384	1	PAINTED LILAC
8	DN25 x 300 INLET RISER	4730-8002	1	PAINTED LILAC

**DN25 WATER METER ASSEMBLY ABOVE GROUND**



**DN25 WATER METER ASSEMBLY IN No. 3 CAST IRON BOX**

**NOTES:**

- ONLY ITEMS SPECIFIED IN THE MATERIALS LIST SHALL BE INSTALLED.
- REFER 4005-30002-01 & 4005-30002-02 FOR GENERAL NOTES.
- NON DRINKING WATER CONNECTIONS SHALL BE LAID IN ACCORDANCE WITH DRINKING WATER CONNECTIONS. REFER SECTION 6 DRAWINGS.
- ALL NON DRINKING PIPE FITTINGS, INLET/ OUTLET RISERS AND WATER METER SHALL BE PAINTED LILAC.
- WHERE THE PAINTED COMPONENTS HAVE BEEN DIMINISHED OR SCRATCHED DURING INSTALLATION, THE CONTRACTOR SHALL USED SPRAY PAINT TO TOUCH UP COMPONENTS TO THE SATISFACTION OF THE SA WATER REPRESENTATIVE.  
REFER TS 0503, CLAUSE 15.1 FOR THE APPROVED PAINT.
- SAFETY NOTE:  
**SAFETY - ELECTRICAL EARTH: CONNECT JUMPER LEADS UPSTREAM & DOWNSTREAM OF METER FITTING BEFORE REMOVING METER.**
- STOCK No. REFERS TO SA WATER STOCK NUMBER FOR THAT FITTING.
- ALL DIMENSIONS IN MILLIMETRES.

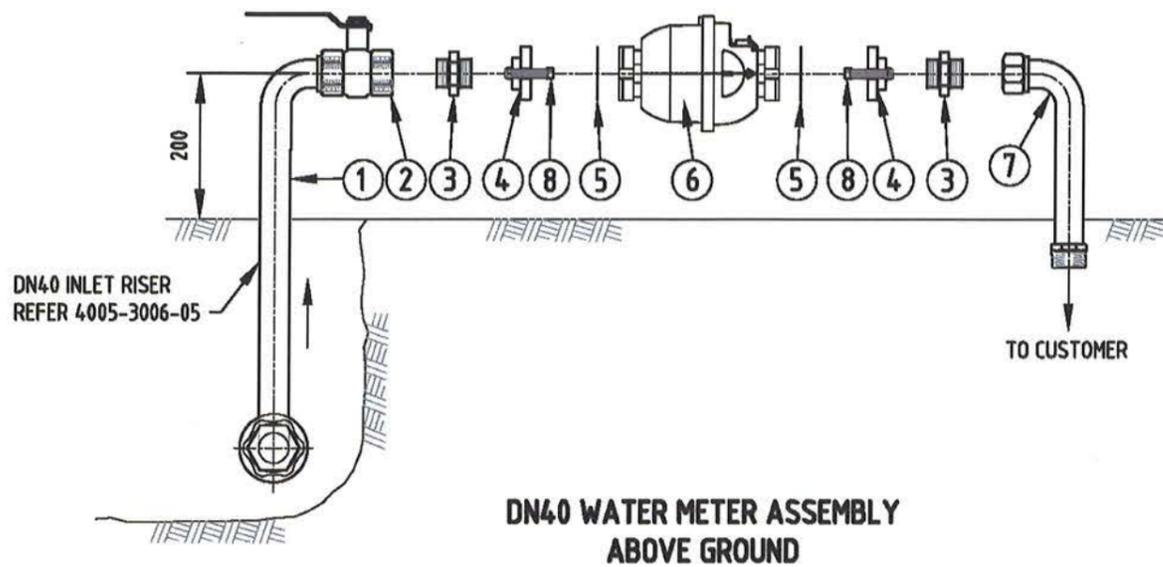
REVISION PANEL				
REV	DATE	DRN	DETAILS	APR
2	22/03/17	RP	STOCK NOS REVISED	
1	01/08/16	LJS	2016 STANDARDS REVIEW	TG

DESIGN PANEL	
DESIGNED: 01/08/16 RJP	AUTHORISED: T.GALEK
DRAWN: 01/08/16 LJS	SIGNATURE:
REVIEWED: TG	ORIGINAL SIGNED

SA Water  
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.

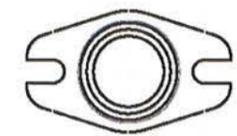
SA WATER STANDARD DRAWINGS  
WATER SUPPLY CONSTRUCTION MANUAL  
DN25 NON DRINKING WATER METER  
METER ASSEMBLIES  
STANDARD INSTALLATION

A3	2
SHT SIZE	REVISION
TOTAL SHEETS: 1	
SUPERSEDES:	
DRAWING NUMBER	
4005-30008-10	
PREFIX	NUMBER SHEET

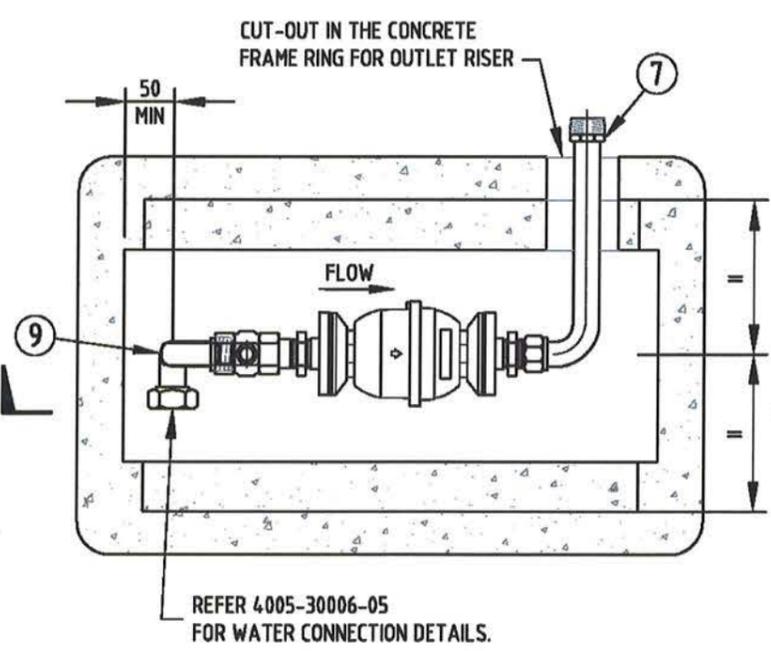


DN40 WATER METER ASSEMBLY ABOVE GROUND

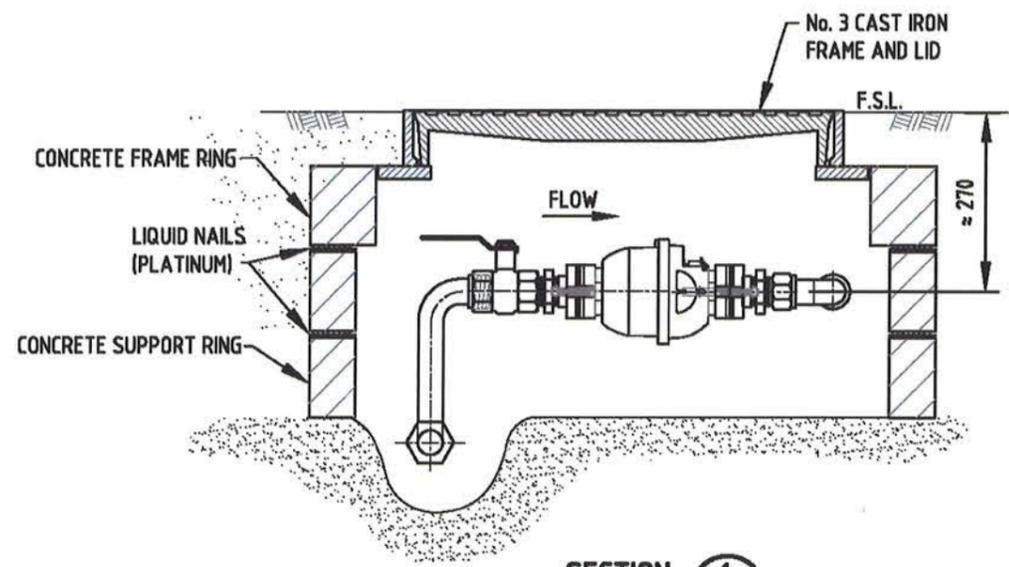
MATERIALS LIST					
ITEM	DESCRIPTION	STOCK No.	REQ.	COMMENTS	
1	INLET RISER	4730-8003	1	LENGTH 533mm PAINTED LILAC	
2	DN40 BALL VALVE	4820-7002	1	LILAC HANDLE	
3	40mm NIPPLE	4730-1394	2		
4	BRASS FLANGE		2	SUPPLIED WITH METER	
5	WASHER INSERTION		2	SUPPLIED WITH METER	
6	40mm WATER METER		1	LILAC	
7	DN40 OUTLET RISER	4730-1429	1	LENGTH 267mm PAINTED LILAC	
8	BOLTS		4		
9	INLET RISER	4730-8004	1	LENGTH 229mm PAINTED LILAC	



ITEM 4 - BRASS FLANGE



PLAN  
LID NOT SHOWN  
NOT TO SCALE



SECTION 1  
DN40 WATER METER ASSEMBLY IN No. 3 CAST IRON BOX

NOTES:

- ONLY ITEMS SPECIFIED IN THE MATERIALS LIST SHALL BE INSTALLED.
- REFER 4005-30002-01 & 4005-30002-02 FOR GENERAL NOTES.
- NON DRINKING WATER CONNECTIONS SHALL BE LAID IN ACCORDANCE WITH DRINKING WATER CONNECTIONS. REFER SECTION 6 DRAWINGS.
- ALL NON DRINKING PIPE FITTINGS, INLET/ OUTLET RISERS AND WATER METER SHALL BE PAINTED LILAC.
- WHERE THE PAINTED COMPONENTS HAVE BEEN DIMINISHED OR SCRATCHED DURING INSTALLATION, THE CONTRACTOR SHALL USED SPRAY PAINT TO TOUCH UP COMPONENTS TO THE SATISFACTION OF THE SA WATER REPRESENTATIVE.  
REFER TS 0503, CLAUSE 15.1 FOR THE APPROVED PAINT.
- SAFETY NOTE:  
**SAFETY - ELECTRICAL EARTH: CONNECT JUMPER LEADS UPSTREAM & DOWNSTREAM OF METER FITTING BEFORE REMOVING METER.**
- STOCK No. REFERS TO SA WATER STOCK NUMBER FOR THAT FITTING.
- ALL DIMENSIONS IN MILLIMETRES.

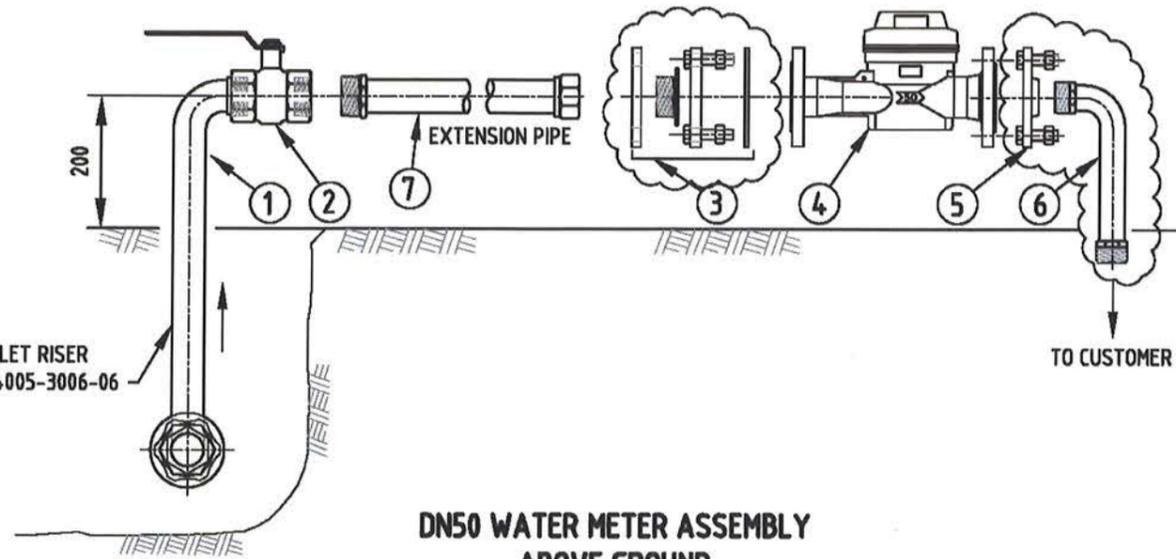
REVISION PANEL				
REV	DATE	DRN	DETAILS	APR
2	22/03/17	RP	STOCK NOS REVISED	
1	01/08/16	LJS	2016 STANDARDS REVIEW	TG

DESIGN PANEL	
DESIGNED: 01/08/16 RJP	AUTHORISED: T.GALEK
DRAWN: 01/08/16 LJS	SIGNATURE:
REVIEWED: TG	ORIGINAL SIGNED

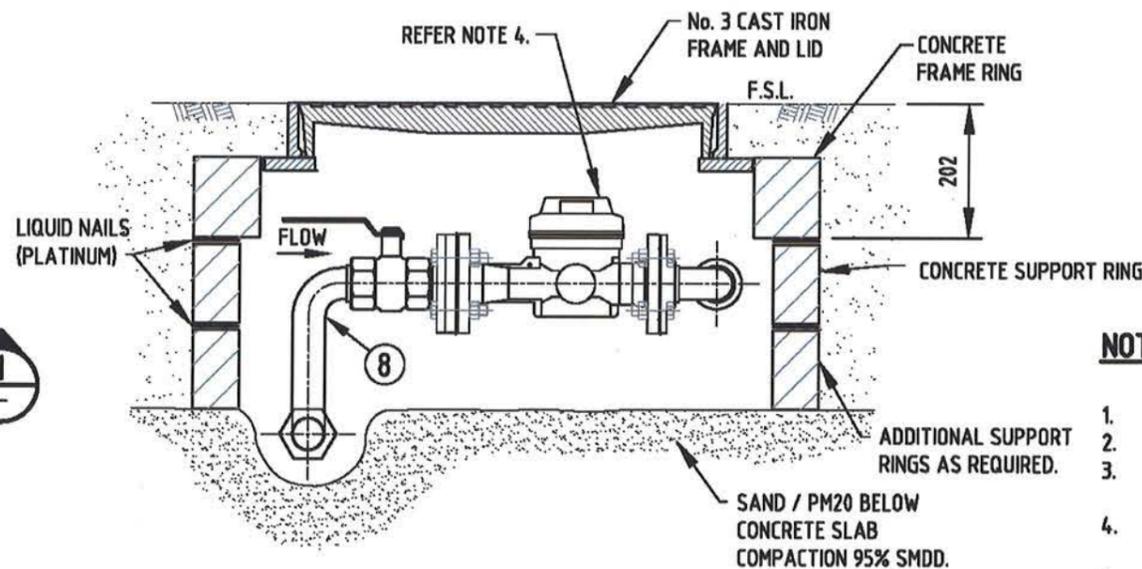
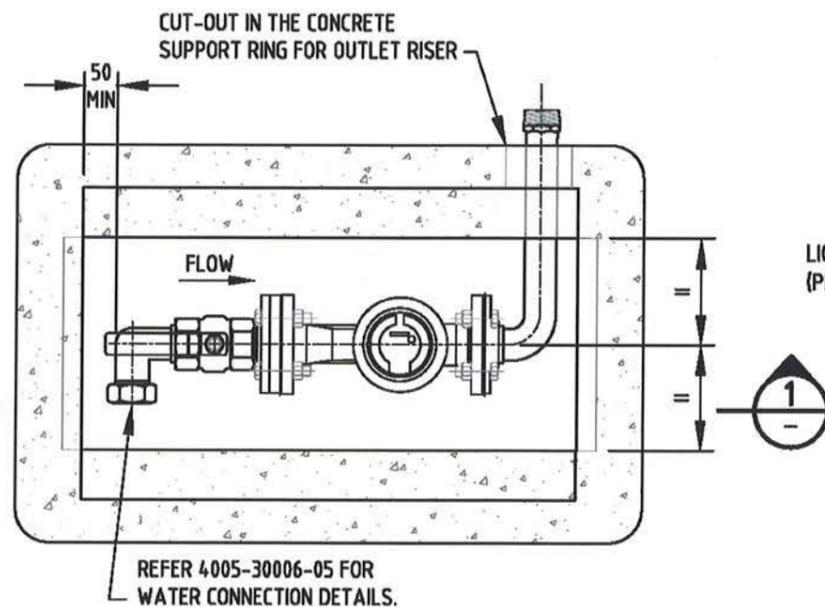
SA Water  
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SA WATER STANDARD DRAWINGS  
WATER SUPPLY CONSTRUCTION MANUAL  
DN40 NON DRINKING WATER METER  
METER ASSEMBLIES  
STANDARD INSTALLATION

A3	2
SHT SIZE	REVISION
TOTAL SHEETS: 1	
SUPERSEDES:	
DRAWING NUMBER	
4005-30008-11	
PREFIX	NUMBER SHEET



MATERIALS LIST							
ITEM	DESCRIPTION	STOCK No.	REQ.	COMMENTS			
1	DN50 INLET RISER	4730-8005	1	LENGTH 533 PAINTED LILAC			
2	DN50 BALL VALVE	4820-7003	1	LILAC HANDLE			
3	DN50 LOOSE RING JOINT FBE COATED FOR DN50 WATER METER	6680-0683	1	PAINTED LILAC			
4	DN50 WATER METER WITH FLANGED ENDS		1	PAINTED LILAC			
5	SCREWED FLANGE FBE COATED 50 x 2" BSP	4730-1224	1				
6	DN50 OUTLET RISER	4730-1432	1	LENGTH 267 PAINTED LILAC			
7	DN50 x 500 LONG EXTENSION PIPE 50 BSP SPIG x 50 BSP SOC		1	FOR ABOVE GROUND INSTALLATION ONLY			
8	DN50 INLET RISER	4730-8006	1	LENGTH 229 PAINTED LILAC			



**NOTES:**

- ONLY ITEMS SPECIFIED IN THE MATERIALS LIST SHALL BE INSTALLED.
- REFER 4005-30002-01 & 4005-30002-02 FOR GENERAL NOTES.
- NON DRINKING WATER CONNECTIONS SHALL BE LAID IN ACCORDANCE WITH DRINKING WATER CONNECTIONS. REFER SECTION 6 DRAWINGS.
- ALL NON DRINKING PIPE FITTINGS, INLET/ OUTLET RISERS AND WATER METER SHALL BE PAINTED LILAC.
- WHERE THE PAINTED COMPONENTS HAVE BEEN DIMINISHED OR SCRATCHED DURING INSTALLATION, THE CONTRACTOR SHALL USED SPRAY PAINT TO TOUCH UP COMPONENTS TO THE SATISFACTION OF THE SA WATER REPRESENTATIVE.  
REFER TS 0503, CLAUSE 15.1 FOR THE APPROVED PAINT.
- SAFETY NOTE:  
**SAFETY - ELECTRICAL EARTH: CONNECT JUMPER LEADS UPSTREAM & DOWNSTREAM OF METER FITTING BEFORE REMOVING METER.**
- STOCK No. REFERS TO SA WATER STOCK NUMBER FOR THAT FITTING.
- ALL DIMENSIONS IN MILLIMETRES.

REVISION PANEL				
REV	DATE	DRN	DETAILS	APR
2	22/03/17	RP	METER FLANGE CONNECTIONS & STOCK NOS CHANGED	
1	29/07/16	LJS	2016 STANDARDS REVIEW	TG

DESIGN PANEL	
DESIGNED: 29/07/16 RJP	AUTHORISED: T.GALEK
DRAWN: 29/07/16 LJS	SIGNATURE:
REVIEWED: TG	ORIGINAL SIGNED

  
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**SA WATER STANDARD DRAWINGS**  
**WATER SUPPLY CONSTRUCTION MANUAL**  
**DN50 NON DRINKING WATER METER**  
**METER ASSEMBLIES**  
**STANDARD INSTALLATION**

A3	2
SHT SIZE	REVISION
TOTAL SHEETS: 1	
SUPERSEDES:	
DRAWING NUMBER	
4005-30008-12	
PREFIX	NUMBER SHEET