DWG NO.	TITLE	ISSUE
2014739.001	DRAWING SCHEDULE	A
2014739.002	STANDARD DETAIL (SHEET 1 OF 2)	A
2014739.003	STANDARD DETAIL (SHEET 2 OF 2)	A

					DESIGNED	A. JOE	05-25	
					DES. CHECKED		05-25	
					DRAWN	A. JOE	05-25	OP
					DWG. CHECKED	B. CHICK	05-25	Oi I
					PROJECT LEADER	T. MANNING	05-25	
Α	05.25	FOR CLIENT REVIEW	A.J	B.C	WSL PRINCIPAL ENG.	W. STRYDOM	05-25	L-
ISSUE	DATE	AMENDMENT	BY	APPD.		BY	DATE	P

S. DANKS

OPERATIONS: HEAD OF WATER

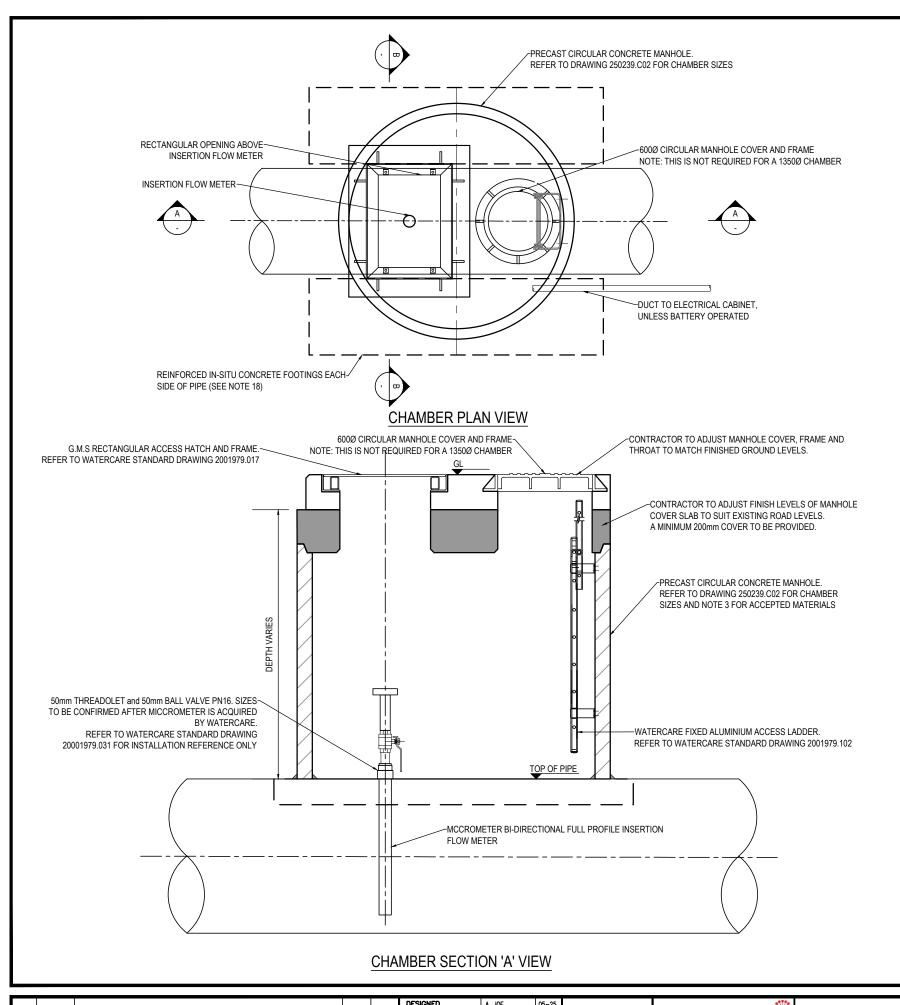
T. SCHEIRLINCK

PLANNING: HEAD OF WATER



WATER RETICULATION STANDARD INSERTION FLOW METER DRAWING SCHEDULE

CAD FILE 2014/39.001 DATE 20-			-05-2025				
ORIGINAL SCALE A1		CONTRAC	CONTRACT No.				
REF. No.	-		ISSUE —				
DWG. No.	2014739	.001	Α				



- DO NOT SCALE OFF THESE DRAWINGS
- ALL DIMENSIONS AND DISTANCES ARE IN METRES UNLESS STATED OTHERWISE.
  REFER TO WATERCARE'S MATERIAL SUPPLY STANDARD (ESF-500-STD-601) FOR
- ACCEPTABLE MATERIALS AND EQUIPMENT.
- EDGES OF ALL PENETRATION HOLE INTO WATERMAIN SHALL BE CLEAN AND SQUARE OR ROUNDED SLIGHTLY, FREE FROM BURRS, WIRE EDGES OR OTHER IRREGULARITIES TO ENSURE APPROPRIATE INSTALLATION.
- ANY COMPONENT OR LUBRICANT IN CONTACT WITH THE WATER SUPPLY SHALL BE AS/NZS 4020 CERTIFIED OR SIMILAR APPROVED BY WATERCARE MEASUREMENT INSTRUMENTATION FOR INSERTION FLOW METER TO COMPLY WITH
- MEASURING INSTRUMENTS DIRECTIVE (MID, DIRECTIVE 2014/32/EU.
- INSERTION FLOW METERS TO BE INSTALLED ON THE CENTERLINE OF THE PIPE
- SUITABLE RESTRAINING EQUIPMENT TO BE USED WHEN INSERTING OR REMOVING
- CONTRACTOR TO REFER TO MCCROMETER BI-DIRECTINAL FULL PROFILE INSERTION FLOW METER INSTALLATION, OPERATION AND MAINTENANCE MANUAL FOR UPSTREAM AND DOWNSTREAM PIPE RUN RECOMMENDATIONS FOR SPECIFIC FLOW DISTURBANCES OR GET CONFIRMATION FROM THE ENGINEER.
- 10. PIPELINE SHOP DRAWINGS TO BE CHECKED AGAINST THIS DRAWING AND VENDOR SUPPLIED EQUIPMENT BEFORE FABRICATION.
- 11. MANHOLE LID TO BE DESIGNED FOR CLASS D VEHICLE LOADING. HN-HO-72 TO BE
- 12. MANHOLE LIDS SHALL INCLUDE LIFTING EYES.
- 13. MCCROMETER BI-DIRECTIONAL FULL PROFILE INSERTION FLOW METER TO BE INSTALLED WITH A CATHODIC PROTECTION KIT.
- 14. MCCROMETER BI-DIRECTIONAL FULL PROFILE INSERTION FLOW METER TO BE POSITIONED BY CONTRACTOR SO THAT IT CAN EXIT OUT THE CHAMBER ACCESS HATCH DURING MAINTENANCE PROCEDURES.
- 15. DUCTWORK MATERIAL TO COMPLY WITH AS/NZS 2053, AS/NZS 61386.1 AND WATERCARE SPECIFICATIONS. WHERE A CHANGE IN DIRECTION IS REQUIRED USE LONG RADIUS BENDS
- 16. BURIED DUCTWORK IS TO MAINTAIN A MINIMUM COVER OF 900mm IN THE CARRIAGEWAY AND 600mm IN THE BERM.
- 17. INSERTION FLOW METER TO BE HOT TAPPED ACCORDING TO WATERCARE
- STANDARD DRAWING 2001979.031.
- REFER TO WATERCARE STANDARD DRAWINGS 2001979.137, 2001979.138 2001979.139, 2001979.143, 2001979.144 ALONGSIDE THESE DRAWINGS FOR TYPICAL **DETAILS**

ORIGINAL SCALE A1 REF. No. ISSUE 2014739 .002

S. DANKS DES. CHECKED B. CHICK 05-25 DRAWN A. JOE 05-25 OPERATIONS: HEAD OF WATER DWG. CHECKED B. CHICK 05-25 PROJECT LEADER T. MANNING 05-25 T. SCHEIRLINCK WSL PRINCIPAL ENG. W. STRYDOM 05-25 PLANNING: HEAD OF WATER DATE

BY

A 05.25 FOR CLIENT REVIEW

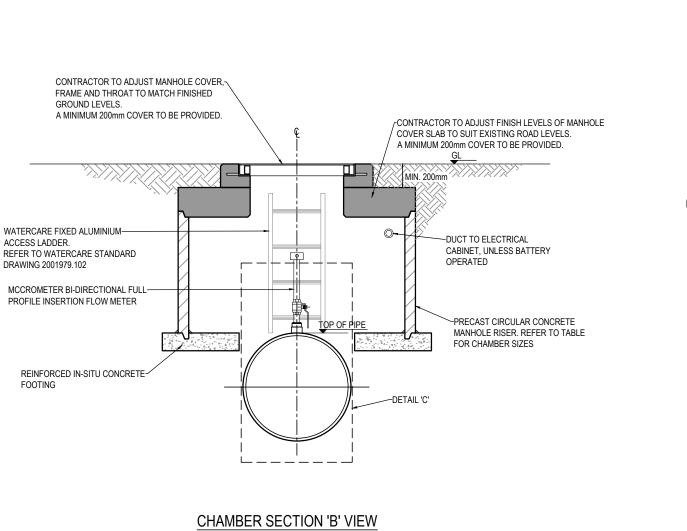
AMENDMENT

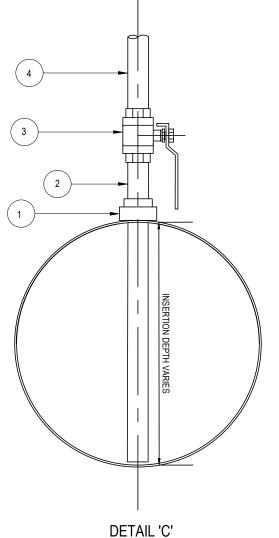
BY APPD.

ISSUE DATE

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WATER RETICULATION STANDARD INSERTION FLOW METER STANDARD DETAIL (SHEET 1 OF 2)





CHAMBER SIZES				
PIPE SIZE SIZE OF RISER				
UP TO 630mm	1350 Ø			
700mm TO 1070mm	1800 Ø			
1070mm TO 1254mm	2300 Ø			

LEGEND				
ITEM NUMBER	DESCRIPTION			
1	50mm HOT TAP			
2	50mm THREADED S/S 316L PIPE NIPPLE			
3	50mm 3-PIECE S/S BALL VALVE			
4	INSERTION FLOW METER			

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					PROJECT LEADER	T. MANNING	05-25	T. SCHEIRLINCK
					DWG. CHECKED	B. CHICK	05-25	or are more of the contract of
					DRAWN	A. JOE	05-25	OPERATIONS: HEAD OF WATER
					DES. CHECKED	B. CHICK	05-25	S. DANKS
					DESIGNED	A. JOE	05-25	
					DECIONED	4 105	05 05	



WATER RETICULATION STANDARD INSERTION FLOW METER STANDARD DETAIL (SHEET 2 OF 2)

CAD FILE	2014739.003	-05-2025	
ORIGIN	IAL SCALE A1	CONTRAC	T No.
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REF. No.			ISSUE
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