

Water Measuring (Full Pipe) & Recording Device Installation Form

Email: water.metering@ecan.govt.nz

Ph: 03 353 9007

Important: Please fill out an Open Channel and Partially Filled Pipe Installation and Commissioning Form if not a Full Pipe system

Consent Holder: _____

Consent number: **CRC** _____ Well/SWAP number: _____

Portable pump: Yes No Additional Well/SWAPs: _____

New meter Replacement meter

Replacement reason: _____

Full Pipe Measuring Device (Flow Meter) Details

Make: _____ Model: _____

Meter type: Mechanical Helical Vane Mechanical Single/ Multi Jet Mechanical Positive Displacement/ Volumetric Mechanical Insertion Paddle Wheel Electro Magnetic MagFlow Electro Magnetic Insertion Ultrasonic Reflection Ultrasonic Transmission

Serial number: _____ Meter size (diameter): _____ mm

Topo50 NZTM: _____ (Including GPS stamped photo)

Installation Details

Pipe Diameter (external): _____ mm Pipe Wall Thickness: _____ mm

Pipe Material: Ductile Iron Galvanised Steel Mild Steel PVC Polyethylene Aluminum Other: _____

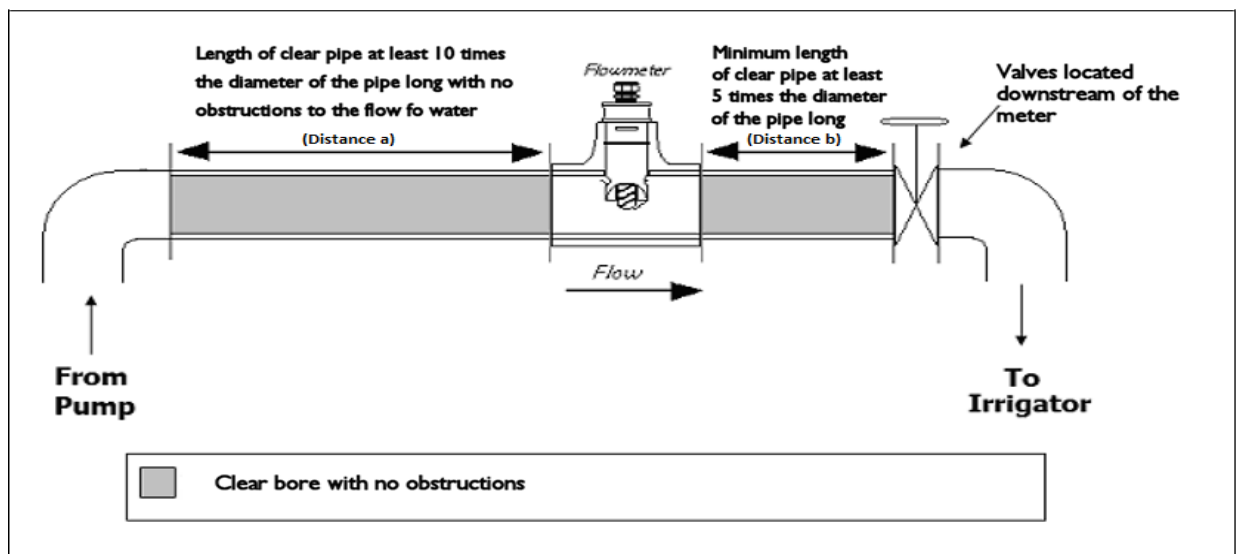
Distance of straight, unobstructed pipe **upstream** of flowmeter (distance (a) in Figure 1): _____ mm

Distance of straight, unobstructed pipe **downstream** of flowmeter (distance (b) in Figure 1): _____ mm

Manufacturer's specified **minimum** distance of pipe upstream of flowmeter: _____ mm

Manufacturer's specified **minimum** distance of pipe downstream of flowmeter: _____ mm

Figure 1: An example of an ideal installation of a flowmeter.



IMPORTANT: A non-standard installation approval will be required if standard upstream (10x pipe diameter) and downstream (5x pipe diameter) lengths are not achieved.

RESOURCE CONSENT

Is there a straight unobstructed accessible pipe in the system of at least 15 diameters length to verify the flow with a clamp-on flow meter? Yes No Location in system: Headworks Mainline

Distance from bore: _____m

Insertion meters only:

Insertion depth: _____

K-factor: _____

Ultrasonic meters only

Transducer size: _____

Transducer spacing: _____

Transducer mounting: V or Z (V = Reflect, Z = Direct)

Certification

I/we certify that:

- A water meter verification form is attached.
- A WET calibration certificate from the manufacturer is attached
- A GPS-stamped photo of the installed flow meter is attached
- A photo of the pipe system is attached (showing the distance of straight, unobstructed pipe upstream and downstream)
- The above water measuring device has been installed as per manufacturing specifications
- The above water measuring device has been installed in accordance with Environment Canterbury's requirements ((if not, non-standard install approval required)

Installation date: _____

Installed by: _____

Signed (by installer): _____

Company: _____

Recording Device (Data Logger) Details

Make: _____ Model: _____

Serial number: _____

Telemetry installed: Yes No

Data hosted by: _____

Certification

I/we certify that:

- The above recording device has been installed as per manufacturing specifications
- The above recording device has been installed in accordance with Environment Canterbury's requirements

Installation date: _____

Installed by: _____

Signature: _____

Company: _____

Please Note:

Incomplete certificates may result in your certificate not being processed.