

ACV Assure™

Location: _____ Date: _____

Managed Water Asset Description: _____

Water Authority Name and Address: _____

Watts Certified Service Provider: _____

Before Completing the Site Survey:

The ACV Assure Qualification Checklist must be Completed and Submitted before completing this Site Survey form. The Water Authority understands the water asset issue and the ACV Assure Deliverable.

- A. Site Survey Conducted by Whom and Date: _____
- B. Pictures taken by Whom and Date: _____
- C. Where is the ACV or Water Asset Located? _____
- D. Describe the ACV or Water Asset Condition: _____

1. Cellular Service at Cellular Gateway Installation Location?

Yes How Many Bars? _____ No If No Cellular Service, Discuss with the Water Authority

2. Electric Power at the Location (Water Authority Responsibility)?

Power to ACV Alert Kit

120VAC / grounded receptacle required within 5 ft of equipment:

Existing To be installed UPS back-up Not applicable

Optional Battery Power

Optional Cost Adder: 24VDC = (2) 12VDC Rechargeable Batteries wired in Series with (2) 12VDC Solar Trickle Chargers in a 12L"x 12W"x 36"H above ground lockable enclosure.

Required Enclosure for Protection, Explain: _____

Existing To be installed Not applicable

3. Existing Site Construction, Excavation and Fabrication?

Yes No

Describe Site Preparation: _____

Excavation Required? Yes No

What are the Accessible Installation Site Dimensions? _____

Discussed the mounting plan with a Water Official? Yes No



Can build off existing structures? Yes No Explain: _____

- If a new structure is required, a fabrication plan is needed.
- All Make, and Buy Parts need to be procured before installation.

Is there area protection around the installation site? Yes No Explain: _____

- If No, discuss the area protection with a Water Official.
- If Yes, check installation site dimensions against area protection.

4. Cellular Gateway Installation:

Do Not Mount inside a Metal Enclosure, an Electrical Panel or Vault

- The Smartphone Phone was placed in the mounting location with Cell Service
- Unobstructed Mounting Location for Installation 4 feet above normal grade
- The Enclosure is Mounted Rigidly and all (4) Cover Screws must be tight.
- The Cellular Gateway is near a heat source? Yes No If Yes, change location for protection.

5. ACV Control Box Installation:

Do Not Mount in a Metal Enclosure, Electrical Enclosure or Vault

- The Control Box is Mounted Vertical with the seal tight and cable fittings accessible from all sides.
- Unobstructed Mounting Location for installation 2 feet above normal grade
- The Enclosure is Mounted Rigidly, and the locking screw must be installed
- The hinged cover enclosure door will swing fully open. Yes No If No, change location

6. Outdoor Field Wiring:

120VAC input from a Disconnect Box or Breaker uses (2) Wire 18AWG Stranded. Use 1/2" Flexible Seal Tight Conduit connected from the ACV Relay Box and Electrical Panel.

- Minimize the length of Wire in the conduit from the ACV Relay Enclosure to the Electrical Panel

For the optional 24VDC input will use a (2) 18AWG Control Cable

The 4-20mA Signal Wire extension for the Sensor is (2) Wire 18AWG Stranded control cable.

- Measure the Length of Control Cable from ACV Relay Enclosure to Pressure Sensor or Flow Switch: _____

The Cellular Gateway Connection is (6) Wire 22AWG Stranded Control Cable to the ACV Relay Box.

7. Additional Installation Requirements for a Free-Standing Mount:

Uni-Strut Hardware or Equivalent - Describe: _____

Existing To be installed Not applicable

8. Describe Site Access for Installation:

Electric: _____

ACV/Distribution Pipe: _____

9. Describe Cellular Gateway and ACV Relay Box Mounting Surface:

Wood Concrete Steel

10. Describe Ground Installation Location:

Concrete Sand Dirt Stone



11. SITE NOT READY FOR INSTALLATION:

- Explained that if site is not ready at the time you arrive for installation, there will be an additional charge invoiced to the Customer at prevailing rates for "Time & Material" covering additional travel.

12. DELAYS ON SITE:

- Explained that if you are delayed on site, there will be an additional charge invoiced to the customer at prevailing rates for "Time & Material" covering additional labor required.

13. In-Service and Product Training:

Will be conducted directly after installation on the same day.

- Customer must have personnel available for system training (20-60 minutes)
- Explain that if no one is available there will be an additional charge invoiced to the customer at prevailing rates for "Time & Material" covering the additional travel required.

14. Watts ACV Assure Alert Kit

- Explain that the ACV Assure Alert Kit requires a Sensor/Switch setup to monitor water asset issue.
(separate PO) \$ Pressure (2 Setpoints) \$\$ Flow Velocity ft/s (1 Setpoint) \$\$\$ Water Leakage
- Explained that ACV Assure Monitoring Service is required for a contract period.

15. Watts Monitoring and Service Provider Preventative Maintenance Contract:

- Watts 60 Month ACV Assure Monitoring Service: Send Notifications by Voice, Text and Email, View Notifications to the customer's smartphone. The Syncta customer portal with Geo Location of Installations, PM Schedule, alert history and dashboard alerts (separate PO)
- Separate PM contract discussed – DOES NOT include emergency visits (separate PO)

Water Authority Representative:

Signature: _____

Date: _____

Service Provider Representative:

Signature: _____

Date: _____

