1.WIRELESS SUB METERING AND MONITORING SYSTEM BASIS OF DESIGN:THE DOMESTIC WATER SUB-METERING SYSTEM SHALL BE PROVIDED BY H2O DEGREE. THE METER SHALL BE 3/4" AND COMPLY WITH ALL H2O DEGREE REQUIREMENTS, INCLUDING, BUT NOT LIMITED TO:

a.HOURLY OR DAILY WATER METER READINGS SHOULD BE SENT FROM THE WATER METERS IN INDIVIDUAL APARTMENTS WITH THE USE OF THE WIRELESS SUB-METERING SYSTEM

b.WIRELESS COMMUNICATION SHALL OCCUR BETWEEN A RADIO AND MESH TRANSCEIVER, CONNECTED TO A WATER METER AND THE WSMMS H2O DEGREE GATEWAY. THE GATEWAY AND A COORDINATOR SHALL BE PLUG AND PLAY WITH NO ONSITE CONFIGURATION REQUIRED.

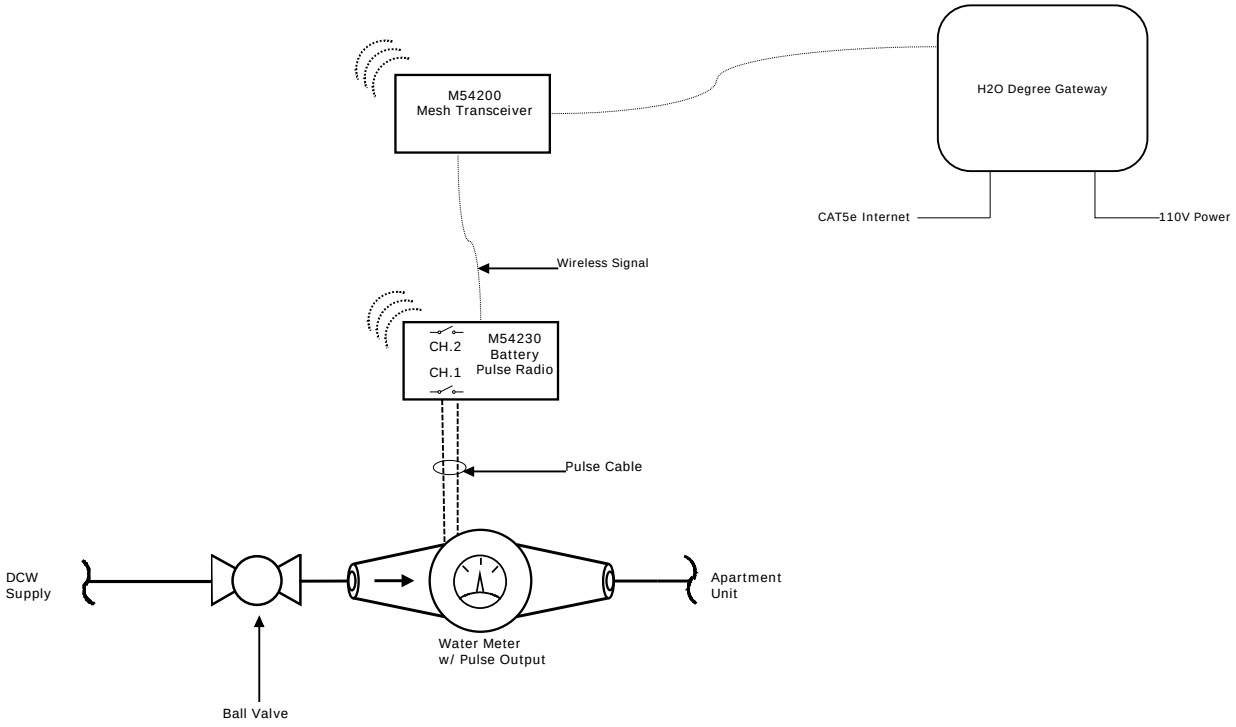
c.THE COORDINATOR SHOULD INTERFACE WITH THE WSMMS H2O DEGREE GATEWAY USING A USB 2.0 CABLE

d.THE DATA FROM THE GATEWAY SHOULD BE RETRIEVABLE AUTOMATICALLY VIA AN INTERNET CONNECTION.

e.THE SYSTEM MUST UTILIZE BI-DIRECTIONAL WIRELESS COMMUNICATION TECHNOLOGY (I.E. RADIO FREQUENCY BASED) AND SHOULD USE DIRECT SEQUENCE SPREAD SPECTRUM (DSSS) IN CONJUNCTION WITH THE CARRIER SENSE MULTIPLE ACCESS WITH COLLISION AVOIDANCE (CSMA/CA) TECHNIQUE.

f. THE WIRELESS SMART-METERING EQUIPMENT SHOULD SUPPORT MULTIPLE BILLING COMPANIES (OFTEN CALLED READ, BILL AND COLLECT - RBC)

g.DAILY LEAK REPORTS SENT TO OWNER



Name: Mesh Pulse Output Meter Detail	Drawing:	Project:	Drawn: JA	H2O Degree 3580 Progress Dr. Suite L Bensalem, PA
Cat:	Scale: X:X	Date: 8/5/18	Rev: 1	