



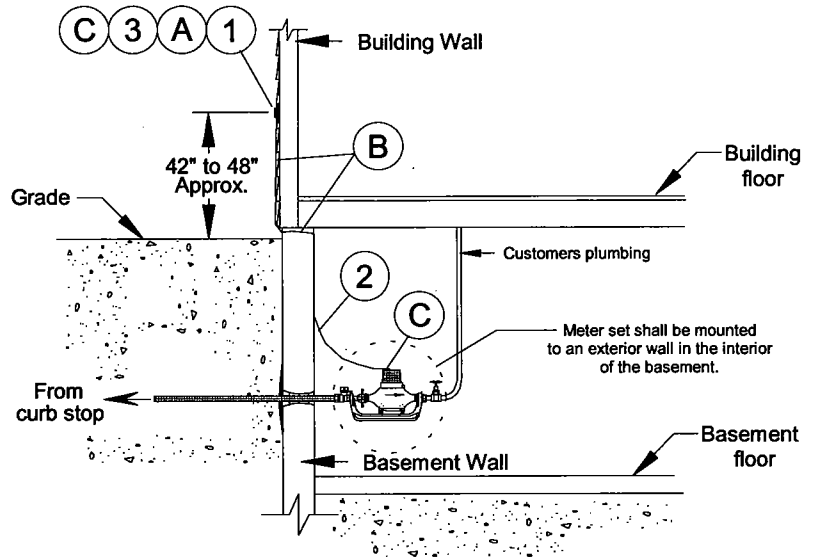
# Water T&D Construction Standard

## SENSING WIRE & REMOTE TOUCH PAD INSTALLATION

**APPLICATION:** Installation of remote read sensing wire and touch pad, required for all water meter installations unless otherwise specified by C.A.R.'s.

**INSTALLATION NOTES:**

- On all water service replacements and new service line installations performed by LBWL crews, cable/wire for an outside remote reader shall be installed by the service installation crew. This includes both inside and outside meter settings. When the remote touch pad cannot be installed, the remote wire shall be tagged for identification.
- The use of 3-wire cable for the remotes makes it imperative that everyone uses the same 2 colors for wiring the generator remote. Specifically, we shall use the BLACK and RED wires. The green wire shall be folded back out of the way at the remote touch pad reader. It will be needed in the future for a new style remote.
- Where meter pits (meter tiles) are installed the remote touch pad will be installed in the cover of the pittance. Therefore, this Standard would not be applicable. Refer to Outdoor Meter Pit Installations.



- (A) Install the remote reader touch pad by the electric meter if possible. NEVER install the remote touch pad in the rear of the house. For uniformity we should make every effort to install the service into the front of the house as close as possible to the side by the driveway. The remote touch pad must have silicone sealant applied to the back before it is physically mounted to the siding.
- (B) The wire for the remote shall be run up the inside wall through the plate to the outside and up to eye level heights (42" to 48"). The reader shall be fastened directly to the side of the house and clips shall be used every 12" to secure the wire both inside and outside. The hole through the plate shall be caulked with putty or silicone sealant.
- (C) The last step of the installation will be to attach the wires to the outside reader and then connect the wires in the basement to the meter register and make certain the reader operates. All three wires must be connected at the meter.

MATERIALS			
REF	ITEM	QTY	DESCRIPTION
①	30-11034	1	Meter, Touch pad
②	30-10107	As Req.	Cable, 3 Conductor, 22 AWG solid
③	49-15588	1	Sealant, Silicone, clear
④	17-31394	As Req.	Conduit, PVC 3/4" x 10 ft

Manager, System Integrity & Customer Projects D. Wood Date: 12/17/03  
 Manager, Water T&D Resource Center B. McLeod Date: 12/19/03