

CONTRACTOR CONNECTION

Keeping
Clark Public Utilities'
approved contractors
plugged in

August 2023
TECHNICAL UPDATES



Clark Public Utilities Construction Services
Construction@ClarkPUD.com
360-992-8558

CALIBRATE WIRE MAKE UP TOOLS

- ▶ Reminder to check tool calibration. Especially the semi-con removal tools, banana peeler and mousetrap. Stripping tools require readjustment when changing from working with 175 and 220 mil primary and when working with the same sized wire but from a different manufacturer.

WIRE THEFT REMINDER

Wire theft continues to be a challenge on new construction job sites. Please note the following requirements and ideas that may help with this issue:

- ▶ Clark Public Utilities requires contractors to engage the five-sided penta bolt lock to close the newly installed equipment (transformers, j-boxes and upright/flush mount pedestals). This proves the equipment closes and seals properly and helps to prevent wire theft.
- ▶ Cover/conceal wire tails left at riser poles.

OPTIONS TO CONSIDER:

- Box in conductor with plywood.
- Cover or wrap in silt fence.
- Conceal with black plastic sheeting or bags.

NO MORE PARTIAL TEST AND ENERGIZE (T&E)

Clark Public Utilities will no longer allow residential subdivision and single-phase multi-family apartment projects to be partially worked/T&E'd. The contractor will be required to complete the scope of work on the design and calls in for the complete cable/makeup inspection.

- ▶ Clark Public Utilities Crew T&E's the entire design at one time.
- ▶ Cable/make-up inspections - "cannot" be called in for partial inspections.
- ▶ Trench/conduit inspections - "can" be called in as partial inspections to accommodate open trenches.
- ▶ Separate designs will be required to reflect construction to be completed and energized in phases.

STANDBYS-PRIMARY TRENCH DEPTH REMINDER

- ▶ Per OSHA and WAC 296-155-655 a trench depth 4 feet or greater requires proper shoring. A primary standby will not be performed until all safety requirements appropriate for the trench depth are met.

STANDARDS UPDATE

- ▶ Belleville washers (Standard BEC 100)

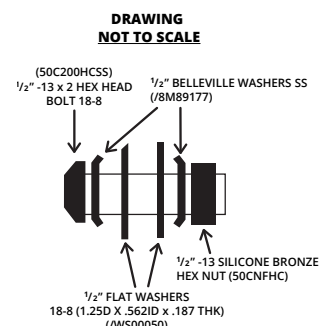
Be sure bolt kits have all the washers pictured. Install washers in the order shown in picture.



In this picture the blade cut deep into the insulation, which then required the contractor to re-terminate. An improperly adjusted tool can cause a lot of wire damage, which could require contractor to re-pull wire.



Recent example: contractor installed a plywood box over 1/0 ug primary to avoid theft/ damage in a high traffic area.



RESIDENTIAL SERVICE LINE INSPECTIONS (SECONDARY)

PLEASE NOTE: The following information is regarding service inspections. Many primary installation contractors also install electric services and will find this information helpful.

- ▶ For new residential service, the trench, conduit and service wire are now inspected by the utility. The meter base, downpipe (service entrance), panel and branch circuits are inspected by LNI or the City of Vancouver.
- ▶ Requests for service trench/conduit and service wire can be emailed to Construction@ClarkPUD.com.
- ▶ Service Line Inspections will typically be performed within two to three business days.
- ▶ Before a service line inspection can be sent out, Construction Services must first have an active request for service (job) in place.
 1. Please verify with the builder that an electric service job has been requested before requesting service line inspections.
 2. Builders can email a new service request form to Construction@ClarkPUD.com to initiate the request for service(s).
- ▶ If a re-inspection is needed due to a correction, please confirm all corrections have been made prior to submitting a request for a re-inspection.
- ▶ When service line inspections pass, an approval sticker will be left on site.
 - If failed, correction notices will be left on site if the design inspector is unable to reach the contact person noted on the inspection request directly.
- ▶ Be sure conduit is installed prior to requesting trench/conduit inspection.
 - Ahead-of-time scheduling is **not** available. Service line inspection requests are processed as soon as received, and can take place that day (or within 3 business days) of the request.



Service line inspection approval sticker.

METERED TEMPORARY ELECTRIC SERVICES

- ▶ When installing a metered temporary, keep in mind future trenching for the permanent services and other utilities.
- ▶ Call for locates 2 business days prior to any digging or driving a ground rod for the temporary service.
- ▶ Metered temps that are undermined or knocked over will be disconnected and require re-setting and re-inspection by LNI or COV before they can be reconnected.
- ▶ An electrical or general contractor can construct and install the metered temporary electric service per the NEC and WAC 296-46B-901.
- ▶ The meter base/panel, post and support stakes, wire, trench and dig out to the source are per the NEC.
- ▶ Dig trench out completely to the source facility.
- ▶ Metered Temps installed as part of a backbone project must be made up and terminated in the source facility before the cable make up inspection is requested.
- ▶ Once the installation has been inspected by the authority having jurisdiction, Clark Public Utilities will connect the temporary service and set the meter.
- ▶ The customer is responsible and required to backfill the trench after the metered temp is connected.

REMOVE METER RINGS

- ▶ Remove the factory provided meter rings from inside new meter bases and discard them. Clark Public Utilities does not use these rings, we supply our own meter lock ring at the time the meter is set. A factory provided meter ring may be used to secure the cardboard cover over the circular hole where the meter will eventually be installed.
- ▶ These rings are either left inside the meter base to keep them from getting lost or they come from the manufacture like this. If overlooked, this can create a hazard. Remove and discard these rings.



Factory provided meter ring left inside meterbase

APPROVED MATERIALS LIST DATED June 23

- ▶ Current Approved Materials List can be found on our website:
<https://www.clarkpublicutilities.com/wp-content/uploads/2023/06/APPROVED-MATERIAL-LIST-CONTRACTORS-6-23-23.pdf>

SUPERINTENDENT/INSPECTOR PERSONNEL UPDATES

- ▶ Construction and Maintenance Superintendents

Central	Jaylon Muonio	(360-992-8826)
North	Lars Kysar	(360-992-8836)
East	Jackie Carter	(360-992-8849)
West	TBD	(360-992-8828)

- ▶ Engineer/Planner Areas

Commercial:

North	Ryan Engelbart (360-992-8860)
Southeast	Aleksey Shkuratkov (360-992-8593)
Southwest	Charlie Beatty (360-992-8721)

Residential:

Northwest	Larry Ash (360-992- 8519)
Northeast	Jordan Hull (360-992-8769)
Central	Alicia Jameson (360-992-8771)
South-central	Grant Miller (360-992-8827)
Southeast	Liam Davis (360-992-8570)
Southwest	Julie Jolma (360-992-8081)

