

CONTRACTOR CONNECTION

Keeping
Clark Public Utilities'
approved contractors
plugged in

May 2025
TECHNICAL UPDATES



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

PERSONNEL UPDATES

- ▶ **Construction Services Supervisor:** Larissa Marini 360-992-8788
- ▶ **Residential Planners:** Chris Cody 360-992-8796, Trey Laque 360-992-8007, Chris Perkins 360-992-8785
- ▶ **Superintendent:** Greg Knutsen 360-992-8828

APPROVED MATERIAL LIST

- ▶ Current Approved Materials List (5/5/2025) can be found on our website:

<https://www.clarkpublicutilities.com/wp-content/uploads/2025/05/APPROVED-MATERIAL-LIST-CONTRACTORS-5-5-25.pdf>

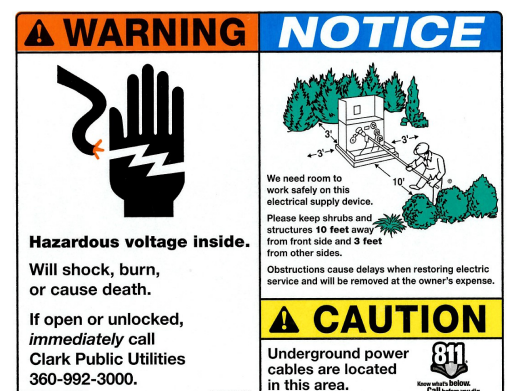
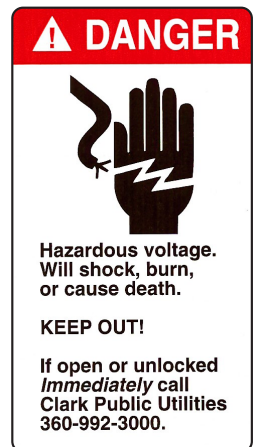
L&I/CITY OF VANCOUVER ELECTRICAL INSPECTION APPROVALS

- ▶ Notify Construction Services of approved electrical service inspections (meter base, down pipe, service entrance, panels) and include the following information:

1. Permit number
2. Site address or APN
3. Work request (if applicable)
4. Contact information

EQUIPMENT STICKER REQUESTS

- ▶ Clark Public Utilities will provide warning/danger stickers and number stickers for transformers and j-boxes as specified in work request designs.
- ▶ Contact Construction Services at least 2 business days in advance of pickup to request equipment stickers: Construction@ClarkPUD.com or 360-992-8558
- ▶ Include the following information in your request:
 1. Work request number
 2. Equipment type (transformer or j-box)
 3. What stickers (numbers, safety stickers) & quantity of each
 4. Contact name, phone number, and email
 5. Pickup date
- ▶ Clark Public Utilities will notify the pickup contact when stickers are ready to be picked up from the Operations Center warehouse.
- ▶ Operations Center warehouse access gate is on NE 87th St, on the Northwest corner of the property. If gate is closed, use gate call box code 001 to contact warehouse for entry. Follow the yellow painted line on the asphalt to RECEIVING.



MULTI-UNIT LABELING

- ▶ Meter equipment must have permanent labeling that clearly identifies the building address and specific unit, suite, or function (e.g. HOUSE, ELEVATOR, FIRE PUMP, etc).
- ▶ Label criteria:
 - Raised or engraved letters at least ½ inch tall in a contrast color
 - Durable material (metal, hard plastic, phenolic block)
 - Securely attached using screws, rivets, or permanent adhesive.
- ▶ Marker tape, printed labels, and permanent markers are **not** acceptable forms of permanent labeling.
- ▶ Meters will not be set until the labeling is correct and complete.
- ▶ Follow the guidelines laid out in the [Multiple Meter Labeling Detail](#).

See WAC 296-46B-100 for additional labeling information.



COMMERCIAL CT DELIVERY

- ▶ Electricians should contact the Meter Department to request CT delivery and installation: MeterDepartment@ClarkPUD.com, or 360-992-8001.
- ▶ Electricians will be asked details about the installed meter equipment such as equipment specifications, job site location, and access instructions.
- ▶ CT delivery should be completed prior to the service being energized.
- ▶ CT's are typically delivered and installed in 1-3 business days.

REQUIRED OVERHEAD LINE MINIMUM CLEARANCES

Line Voltage	Objects, Tools, People ¹	Cranes, Derricks, Hoists ²
12.47 kV	10'	20'
50 kV	10'	20'
69kV	10' 7.6"	20'
115kV	12' 2"	20'
≤350kV	10' + [.4" x (Rated kV - 50kV)]	20'
>350kV	10' + [.4" x (Rated kV - 50kV)]	50'

¹See WAC 296-155-428 for more details

²See WAC 296-155-53408 for more details

UTILITY WORK WITHIN A PUBLIC ROAD RIGHT-OF-WAY

- ▶ A licensed and bonded excavation contractor must perform all utility work in the public road right-of-way. This includes all trenching or installation of underground road crossings for primary and secondary voltage electric service.
- ▶ The location of the job site will dictate **who** purchases the public road right-of-way permit:
 - Within any incorporated city limits – Approved contractor hired by the customer
 - Within unincorporated Clark County* – Clark Public Utilities
 - Along or under state roads and highways* – Clark Public Utilities

*Fees for these permits will be added to the customer's Clark Public Utilities construction bill.
- ▶ Work can begin once all required permits (Public Work, Utility Accommodation, Traffic Control, etc.) have been secured and all advanced notification requirements listed on the public roadway use permit have been fulfilled.
- ▶ The approved contractor shall comply with all public roadway use permit requirements:
 1. Secure all permits required for the type of work being done (prior to the start of work)
 2. Post permits at the job site
 3. Advanced notification requirements have been met
 4. Adherence to Storm Water and Erosion Control Ordinances and County Road Standards
 5. Timely and proper restoration of the work site
- ▶ Contact:
 - Clark County (text, call or email)
Eddie Barnhart (Inspection) – 360-356-0578 or eddie.barnhart@clark.wa.gov
Thomas McCauley (Permitting) – 360-869-1127 thomas.mccauley@clark.wa.gov
 - WSDOT <https://wsdot.wa.gov/engineering-standards/design-topics>

PROJECT START NOTIFICATION

- ▶ Contact your Clark Public Utilities Residential Planner or Design Engineer **two weeks** before starting the construction of a project. This ensures:
 - Review of project for updates or changes and ensure all parties are using the current design version
 - Time for equipment staking or bracket placement
 - Scheduling of CPU preparatory work (shoe fly, line markers, etc.)
 - Securing of all required right of way work permits
 - Easements have been acquired and planned trench/equipment locations are within property lines/easements

ALWAYS CONFIRM INTENDED TRENCH LOCATION BEFORE EXCAVATING OUTSIDE OF A CUSTOMER'S PARCEL

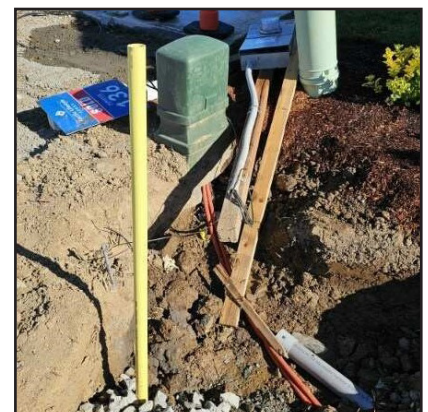
- ▶ Projects built to out-of-date designs and facilities placed outside of intended parcel or easement will be turned down and required to be re-installed to the updated design.
- ▶ All issues related to utility work completed in the public right-of-way under a permit secured by Clark Public Utilities, will be referred back to the installation contractor. Repeat offenses by a contractor may result in removal from Clark Public Utilities' approved primary electrical installation contractors list.

CONDUIT REMINDERS

- ▶ Contact the Utility Notification Center at least two full business days prior to excavating, trenching or directional drilling/boring.
- ▶ Never cut blindly in a ditch. Always know what you are cutting. Excavate enough to visually see the end of the Sawzall blade and what is being cut.
- ▶ Window cutting conduit to verify if idle/empty is **not** acceptable.
 - If a contractor cuts/windows conduit, the entire conduit run will need to be replaced.
 - Window cutting conduit will result in delisting from Clark Public Utilities' approved primary electrical installation contractors list.
 - A utility design engineer will note the job when an existing spare conduit is to be utilized for the project and that a standby is required.
 - Contact Clark Public Utilities' Operations Office at least two business days in advance to schedule a standby for conduit verification: Ops@ClarkPUD.com or 360-992-8839.
- ▶ A continuous conduit raceway is required for all primary cable and residential services that are maintained by Clark Public Utilities.
- ▶ Install only manufactured conduit elbows. Heat bending conduit is not acceptable and will not pass primary or service conduit inspection.
- ▶ All conduit couplers used with primary or residential service PVC are deep socket/long bell.
- ▶ An HDPE to PVC transition coupler is required if the conduit raceway transitions from directional bore pipe to PVC.
- ▶ A total of 270 degrees of bend is allowed in the conduit run: three 90 degree elbows which includes the elbow into the source facility.
- ▶ All exposed conduit (above grade) at utility pole bases must be schedule 80.
- ▶ Do not pull primary or service cable until trench and conduit inspection has passed and the trench is backfilled.

METERED TEMPORARY ELECTRIC SERVICES

- ▶ The installation & energization timeline for metered temporary electric services is as follows:
 - Contractor installs the temporary service, trench, and wire to the source facility & requests the electrical inspection from the authority with jurisdiction.
 - Contractor notifies Construction Services of service approval.
 - Clark Public Utilities connects the service and sets the meter within 3-5 business days.
 - Contractor backfills the trench.
- ▶ Reference the [Metered Temporary Electric Service](#) installation diagram and details for appropriate locations to set the service. These locations ensure the temporary service is clear of future electric service trenches.
- ▶ Metered temporary services installed outside the setting locations or not securely dug in and braced (if needed) will not be connected.
- ▶ If a metered temporary service is undermined or knocked over, it will be disconnected. It will need to be reset, re-inspected, and an additional \$160 connection charge will be applied.

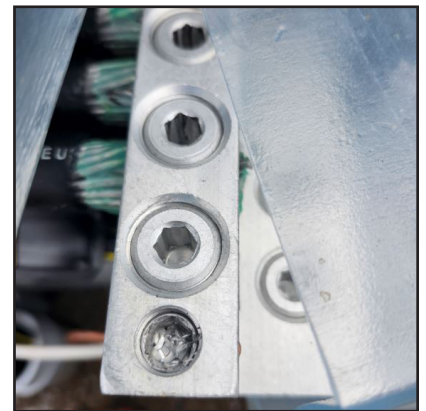


TRANSFORMER REMINDERS

- ▶ Transformers require a thoroughly compacted gravel base to prevent settling. Proper backfill and compaction underneath transformers minimizes settling after installation. Contractors will be required to relevel any pad mounted equipment that has noticeably settled.
- ▶ When locking or tightening bus bar/Z-bar connectors, avoid using impact tools. This damages the terminal, causing them to become inoperable.
- ▶ Contractors are responsible for keeping T&E makeup materials stored up high in transformers and j-boxes to prevent them from becoming contaminated (dirty or wet).
 - Elbows stored on the bushings should have a temporary seal, such as a bag or plastic covering, to keep them clean when conduits are blown out during wire pull prep.



Settling Transformer



Impact Tool Damage



Temporary Seal

