



Pend Oreille County Public Utility District

Administrative Office – PO Box 190, 130 N. Washington Ave., Newport, WA 99156
(509)447-3137 • (509)446-3137 • (509)242-3137 • FAX: (509)447-6370 • information@popud.org

HYDROELECTRIC RESOURCES PRODUCING CLEAN, RENEWABLE POWER

ELECTRIC LINE EXTENSION POLICY

**Pend Oreille PUD
Line Extension Policy**

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LINE EXTENSION POLICY

1.1 Within the means and ability of the District, it is the declared policy to extend electrical service to prospective, permanent residential, commercial, irrigation, and industrial loads in all areas located within Pend Oreille County that are adjacent to territories now being serviced by existing facilities owned and operated by the District. Primary metering is not a District practice for serving electrical loads from its distribution system.

1.2 The District shall make electrical extensions, upon request and payment according to applicable fee schedules, from all areas of its primary distribution system at locations where adequate capacity is available for the load contemplated.

1.3 The District shall have final determination and sole discretion in calculating the most viable electrical line extension and route, which is not necessarily the shortest distance. The electrical line extension and route will be based on operability, maintainability, overall public safety, feasibility, construction category, permanence, equipment requirements, clearing standards, consumer classification, and costs.

2. FEE SCHEDULES

2.1 Consumer Classification & Extension Fees – The District classifies accounts as Residential, Commercial, Irrigation, or Industrial. The service voltage and capacity is part of the formula utilized by the District to categorize accounts. Generally, a service in excess of 400 amps single-phase or three-phase will be classified Commercial, Irrigation, or Industrial. Residential accounts are generally classified as single-phase 120/240 volt, requiring 400 amps or less of capacity.

2.1.1 Residential Extension Fee Schedule – Table A lists the appropriate fee schedule for the service connection, 400 amps or less. The fee column reflects the minimum charge required for connection to the District's high voltage electrical facilities. Table B lists the appropriate single-phase fee schedule for the service extension, or the low voltage secondary conductor. The minimum charge for a service extension is based upon 50 feet, when not accompanied by a primary extension. Service extension requests that are in excess of 150 feet from existing, high voltage facilities require that a line extension be constructed. Table C lists the appropriate fee schedule for overhead and underground single-phase line extensions. Refer to section 2.1.4 to determine if other fees may apply. All charges are based upon measurement from the nearest wood pole, underground transformer, or underground junction box. The District does not provide service from the steel pole transmission line structures, which are generally located along the Port District's Railroad right-of-way.

TABLE A
RESIDENTIAL
Single-Phase Service Connection Fee Schedule

<u>PRI/SEC</u>	<u>PANEL SIZE</u>	<u>PHASE</u>	<u>FEE</u>
OH TO OH	≤400 AMP	1-Phase	\$700.00
OH TO UG	≤400 AMP	1-Phase	\$700.00
UG TO UG	≤400 AMP	1-Phase	\$700.00

Note: Add \$600.00 and \$700.00 for either an overhead or padmount transformer, respectively, as a transformer contribution to the connection fee for a single-phase transformer serving 400 amps or less electrical panels.

TABLE B
RESIDENTIAL
Single-Phase Service (Secondary) Extension Fee Schedule
(Minimum Charge 50 Feet - When not accompanied by a primary extension.)

<u>OVERHEAD SERVICE EXTENSION</u>		<u>UNDERGROUND SERVICE EXTENSION</u>	
<u>AMPERAGE</u>	<u>FEE/FOOT</u>	<u>AMPERAGE</u>	<u>FEE/FOOT</u>
0 – 200	\$6.50	0 – 200	\$18.50
201 – 400	\$7.50	201 – 400	\$20.00

Note: For 200 amp panel installations, it is encouraged that a 4" conduit be installed in a customer provided trench to facilitate future panel and associated service upgrades.

TABLE C
RESIDENTIAL
Line Extension Fee Schedule

<u>PRIMARY</u>	<u>PHASE</u>	<u>COSTS</u>
OVERHEAD	Single	\$14.75/foot
UNDERGROUND	Single	\$10.25/foot

Note: In rocky terrain areas, if it is still viable and prudent to install underground cable as determined by the District, the customer will perform the trenching and pay for the line extension according to the above fee schedule. Also, PVC conduit will be installed for the cable installation in rocky terrain areas as determined by the District.

2.1.2 Commercial & Irrigation Extension Fee Schedule – Table D lists the appropriate fee schedule for the single-phase low capacity service entrance connection, capacity ≤ 400 amps. Table E lists the appropriate fee schedule for the single-phase and three-phase, high-capacity service entrance connections. The District provides the meter base, current transformers, and rain-tight enclosures, the cost of which is included in the connection fee. The fee columns in Tables D & E reflect the minimum charge required for connection to the District's electrical facilities. Table F lists the appropriate fee schedule for the single-phase service voltage extension. Table G lists the appropriate fee schedule for the three-phase service voltage extension. The minimum charge for a service extension is based upon 50 feet, when not accompanied by a primary extension.

Service extension requests, which are in excess of 150 feet from existing, high voltage facilities require that a primary line extension be constructed. Table H lists the appropriate fee schedule for overhead and underground, primary single-phase and multi- or three-phase line extensions. Note that multi-phase primary line extensions include only three-phase. The District will not be constructing new "Vee" phase for three-phase primary line extensions or adding three-phase load to existing "Vee" phase primary lines. "Vee" phase consists of two primary phase conductors or cables and an associated neutral. Refer to section 2.1.4 to determine if other fees apply. All charges are based upon measurement from the nearest wood pole, underground transformer, or underground junction box. The District does not provide service from the steel pole transmission line structures, which are generally located along the Port District's railroad right-of-way.

TABLE D
COMMERCIAL & IRRIGATION
Single-Phase Low-Capacity Service Connection Fee Schedule

<u>PRI/SEC</u>	<u>PANEL SIZE</u>	<u>PHASE</u>	<u>FEE</u>
OH TO OH	≤400 AMP	1-Phase	\$675.00
OH TO UG	≤400 AMP	1-Phase	\$675.00
UG TO UG	≤400 AMP	1-Phase	\$675.00

Note: Add \$600.00 and \$700.00 for either an overhead or padmount transformer, respectively, as a transformer contribution to the connection fee for a single-phase transformer serving 400 amps or less electrical panels.

TABLE E
COMMERCIAL & IRRIGATION
Single - & Multi-Phase High-Capacity Service Connection Fee Schedule

<u>PRI/SEC</u>	<u>PANEL SIZE</u>	<u>PHASE</u>	<u>FEE</u>
OH TO OH	401 – 800 AMPS	1-Phase	\$2,450.00
OH/UG TO UG	401 – 800 AMPS	1-Phase	\$3,000.00
ALL	0 – 200 AMPS	3-Phase	\$1,425.00
OH TO OH	201 – 800 AMPS*	3-Phase	\$3,250.00
OH/UG TO UG	201 – 800 AMPS*	3-Phase	\$3,350.00
CT SERVICE POLE			\$1,450.00

* Contact the District for three-phase panel sizes greater than 800 amps for a switchboard installation.

Note: Add the complete cost of the transformer(s) and related material, including labor, to the connection fee for single-phase electrical panels above 400 amps and all three-phase electrical panels. Fees listed above include the cost of the required meter, meter base, current transformers, and rain-tight enclosure.

**TABLE F
COMMERCIAL & IRRIGATION**

Single-Phase Service Extension Fee Schedule

(Minimum Charge 50 Feet – When not accompanied by a primary extension.)

OVERHEAD SERVICE EXTENSION		UNDERGROUND SERVICE EXTENSION	
<u>AMPERAGE</u>	<u>FEE/FOOT</u>	<u>AMPERAGE</u>	<u>FEE/FOOT</u>
0 – 200	\$6.50	0 – 200	\$18.50
201 – 400	\$7.50	201 – 400	\$20.00
401 – 600	\$9.50	401 – 600	\$48.25
601 – 800	\$14.50	601 – 800	\$58.50

Note: Underground service greater than 400 amps will be installed in conduit provided by the District and is included in the service extension fee.

**TABLE G
COMMERCIAL & IRRIGATION**

Multi-Phase Service Extension Fee Schedule

(Minimum Charge 50 Feet – When not accompanied by a primary extension.)

OVERHEAD SERVICE EXTENSION		UNDERGROUND SERVICE EXTENSION	
<u>AMPERAGE</u>	<u>FEE/FOOT</u>	<u>AMPERAGE</u>	<u>FEE/FOOT</u>
0 – 200	\$7.00	0 – 200	\$28.25
201 – 400	\$8.25	201 – 400	\$38.25
401 – 600	\$11.50	401 – 600	\$80.50
601 – 800	\$15.50	601 – 800	\$80.50

NOTE: All three-phase electrical panels greater than 800 amps shall be switchboard installations, and their connection fee and associated design requirements will be determined on a case-by-case basis. All underground multi-phase services will be installed in conduit provided by the District and are included in the indicated service extension fee.

**TABLE H
Line Extension Fee Schedule**

<u>PRIMARY</u>	<u>PHASE</u>	<u>COSTS</u>
OVERHEAD	Single	\$14.75/foot
OVERHEAD	Three-Phase	\$26.25/foot
UNDERGROUND	Single	\$12.25/foot
UNDERGROUND	Three-Phase	\$27.75/foot

Note: All three-phase underground primary cable will be installed in conduit as determined by the District. Also, in rocky terrain areas, if it is still viable and prudent to install underground cable as determined by the District, the customer will perform the trenching and pay for the line extension according to the above fee schedule.

2.1.3 Large Industrial Extension Fee Schedule – Line extension fees will be determined for large industrial applicants on a case-by-case basis whose load requirements necessitate the installation of new electrical facilities to provide a minimum of 500 kVA capacity. Applicants must enter a negotiated five-year contract.

2.1.4 Additional Service Fees – Table I lists specific costs either referenced but not shown elsewhere or necessary for the District to recover when services to be provided are beyond the scope of the District's distinction of the typical line or service extension.

TABLE I
Additional Services Fee Schedule

Inline Overhead Pole Inset		
Single-Phase	\$1,925.00	
Three-Phase	\$2,350.00	
Underground J Box Inset	\$1,575.00	
Three-Phase Switch Cab.	\$2,300.00	
State Highway Crossing		
Permit	\$500.00	
Flagging (per person, per hour)	\$35.00	
Rock Hole	\$750.00	
Overhead to Underground Transition		
Single-Phase	\$1,050.00	
Three-Phase	\$2,150.00	
Underground Road Push		
Single-Phase	\$25.00/foot	
Three-Phase	\$50.00/foot	
Electric Residential Meter	\$100.00	
Electric Meter – Three Phase	\$400.00	
Secondary Riser Fees:		
0 – 200 AMP (2" Conduit)	\$575.00/riser	
201 – 400 AMP (3" Conduit)	\$625.00/riser	
Secondary Pole Set	\$1,175.00/pole	
Communication Conduit:		
2" Conduit	\$2.00/foot	
3" Conduit	\$3.75/foot	
Other Conduit Required or Requested	\$4.50 /foot ≤ 3"	NOTE: Conduit costs can increase based on ongoing, updated District material cost quotes.
(Minimum Costs)	\$9.50 /foot ≥ 3"	

2.2 Fee Schedules – The above schedules and fees strictly apply to normal line extensions that can be constructed. Abnormal conditions that can cause difficult construction shall invalidate the schedules. These include, but are not limited to, terrain, environmental concerns, excessive rock, non-standard voltages or equipment, special permits, hydrography considerations, etc. District engineers will provide an estimate based upon the projected materials and labor to complete the project under the extenuating circumstances. The District shall have sole authority and final determination of the applicability of the schedules and the cost estimates for construction when it is determined that the fee schedules do not apply.

2.3 Payment & Agreement Duration – The cost of the engineering estimate must be paid within one year of the application date. Should the estimate expire, the applicant must reapply to the District. When the applicant has made full payment, the applicant must provide a Labor & Industries (L & I) approved electrical service at the location. The service size must be of the amperage capacity mutually agreed upon and ready for connection within one year of making full payment. Failure to do so will void the Line Extension Agreement. In such cases, the Cost In Aid of Construction (CIAC) will be refunded to the customer, less all labor, transportation, and material costs incurred by the District. Applicants obtaining a L & I approved underground service between the dates of October 1 and April 1 will be required to furnish the trench.

2.4 Underground Trenching – The fee schedules include the cost of trenching. The owner will bear the responsibility of future maintenance of the trench. The District will not make corrections for settling, landscaping, etc. of the trenched area. Moreover, the District will not energize an electric service until the customer completely backfills the underground trench.

2.5 Right-of-Way – The fee schedules do not include the cost of right-of-way clearing. Overhead lines necessitate a cleared corridor of 30 feet for single-phase and 40 feet for multi-phase. Underground conductors require a cleared corridor of 15 feet with stumps removed. The customer will be responsible for the completion of the right-of-way clearing prior to the District's commencing the work. The District will endeavor to design the line with minimum clearing requirements. For subdivisions, developments, industrial parks, and exempt segregations (projects), required easements will be granted that are five (5) feet on either side of lot boundaries, ten (10) feet on the inside of lots along all platted roads, and ten (10) feet on the inside of the project boundaries. Special equipment and associated construction requirements for unique electric circuit configurations can require the width of the easements in subdivisions to be increased.

2.6 Multi-Dwelling – Grouped, multi-meter installations involving 3 or more meters to serve accounts located on contiguous structures and properties are classified as a multi-dwelling. When the meters are clustered in a common enclosure, the engineering fee will be \$250.00 per meter in the meter cluster, plus the applicable service and line extension fees.

2.7 Subdivisions, Developments, Industrial Parks, and Exempt Segregations – Developers of both small and large lots or parcels platted as subdivisions, developments, or industrial parks, and/or exempt segregations (projects) in the county of Pend Oreille, who desire to provide the lots or parcels with access to electric power, must install, at a minimum, a primary electrical backbone system in the project. A backbone system is a primary circuit arrangement that consists of either an installed underground primary cable system with associated substructures or an overhead primary conductor installation. The overhead or underground backbone system, or combination thereof, is designed to provide every lot or parcel the option to connect into the primary electrical system under the terms and conditions of the District's Line Extension Policy. The backbone system can be either single-phase or three-phase, as solely determined by the District for cable or conductor economical loading and phase balancing purposes. This is based on both the nature and size of the initial phase(s) of the project, as well as the ultimate built-out load for all phases of the project. For typical small lot or parcel underground subdivisions, the primary backbone system will be conduit installed, whether for single-phase or three-phase. All multi-phase primary underground cable installations will be conduit installed. Moreover, an overhead primary conductor installation will be installed when it is determined by the District that it is impractical to install an underground primary system due to rocky soil, other terrain and geographic concerns, etc.

The District will design a looped feed single-phase or three-phase primary distribution system so that electric service reliability can be increased to the electric customers over the life of the project area. The District will

determine the number, size, and layout of primary phase cables or conductors, and associated substructures and pole configuration, respectively.

Moreover, for underground systems, the District will determine the trench configuration or cable route to be installed for each project, as well as any necessary conduit and cable requirements for the primary and secondary, and service conductors. Furthermore, the developer will be responsible for any required distribution conduits and associated trench space needed to serve both the initial and ultimate built-out phases of the project.

The developer shall pay for the complete cost of the backbone system as designed by the District in full and in accordance with the District's standard labor and material rates. The District will provide an estimate to the developer for planning purposes. The developer must pay the estimated cost prior to the commencement of construction. In the event the estimated cost exceeds the actual cost, the District will rebate the difference to the developer. In the event the actual cost exceeds the estimated cost, the developer will be required to remit to the District the balance, as invoiced, prior to the backbone system's being energized and made available for electrical connections by lot owners.

The District will install its electrical facilities after final site and road sub-grade has been obtained, but before any road improvements have been started. This will facilitate the efficient and cost effective design and installation of District underground conduits, substructures, and other appropriate cable and equipment facilities.

The engineering fee for a subdivision will be \$50.00 per lot, plus the applicable service and line extension fees. Re-engineering of a subdivision will also be \$50.00 per lot.

2.8 Late Comer – The District will not rebate extension costs. Prospective accounts are encouraged to include all other potential consumers in sharing the cost of the primary line extension equally. All fees must be collected prior to commencing work.

2.9 Upgrades – The District, for a fee, will alter secondary services to accommodate customer service upgrade requirements according to Table A and Table B, with a minimum charge for a service extension being based upon 50 feet. No transformer contribution will be required for electrical panel increases up to 200 amps. However, for any electrical panel increase from 201 amps to 400 amps, there will be a transformer contribution of \$600.00 for an overhead pole-bolted transformer and \$700.00 for a padmount transformer. Also, for any electrical panel increase to above 400 amps, the customer will pay for the complete cost of the transformer. In the case of upgrading overhead facilities to underground facilities, the customer will pay a riser fee and secondary pole set, as appropriate, and provide the trench necessary to install the conductor as directed by the District's Field Engineer. Failure to notify the District that the service has been substantially altered, should said alteration cause damage to, or failure of, the District's equipment, may make the customer liable for the cost to repair and/or replace damaged service equipment. A change in service that warrants current transformer (CT) metering, upgrading from single- to three-phase, or an increase in capacity requirements in excess of 400 amps will be charged according to the metering and equipment cost as determined by the District Engineering. The addition of a single-phase meter within 150 feet of a transformer at an existing account will be classified as an upgrade and charged accordingly. All meters located beyond 150 feet will follow the line extension schedules. Any and all other upgrades or service revisions not detailed above may be subject to a final cost determination made by the District's Engineering Department.

2.10 Relocation – The District will alter primary facilities upon request when fees have been paid in advance to cover the costs and materials of such relocation as determined by the District. The District will not relocate

facilities when deemed that such relocation would be a deterrent to the safe and reliable operation of the facilities.

2.11 Construction Service – The District, as a courtesy, shall energize an L & I approved single-phase service rated at 200 amps or less that is specifically for the purpose of construction of a permanent account when the fees for the permanent service have been paid. The service must be located within 10 feet of the transformer or 10 feet from the location of permanent service.

2.12 Temporary Service – The District shall energize, for a fee of \$450.00, a L & I approved single-phase overhead service rated at 200 amps or less that will be used for a period of not longer than three months and is located within 150 feet of an overhead line. Temporary service required for periods longer than three months will be charged the applicable service extension fee. Temporary services beyond 150 feet must apply in accordance with the applicable service and line extension schedule.

2.13 Commercial Low-Load Accounts – The District, on occasion and at its sole discretion, may approve a Low-Load account when the equipment to be energized has known negligible load characteristics. Such an account will require a meter installation at the customer's expense. The connection fee will be \$200.00 for an overhead service when located within 100 feet of an installed overhead transformer. However, any additional primary, transformer, service, and other associated electrical facilities will be installed according to the existing parameters listed in the line extension policy, and in conjunction with the associated fees and charges.

3.0 Customer Utilization Equipment – Customer utilization equipment should be properly selected and used, as determined by the District. Specifically, all appliances, devices, or equipment connected to the customers' installation, and therefore District facilities, shall be properly constructed, controlled, or protected so that they will not adversely affect the District's electric and communication service to other customers and entities or the District.

All electric meter installations shall conform to the specific District metering requirements that are based or derived from the Electric Utility Service Equipment Requirements Committee (EUSERC).



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**HYDROELECTRIC RESOURCES
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ELECTRIC LINE EXTENSION ADMINISTRATIVE PROCEDURES

4. PROCEDURES

4.1 Each prospective account must complete and sign an application for service. The legal description from the deed to the property must be submitted at the time of application.

4.2 Each prospective new account must submit a non-refundable Engineering Fee that is good for one year from the date of application, except in the case where the applicant requests any re-engineering. The Engineering Fee is \$50.00 for all types of new installations, except for subdivisions, developments, and industrial parks, which will have a development Engineering Fee of \$50.00 per lot or meter, as solely determined by the District. Requests for upgrades and service improvements are engineered as a courtesy to an existing customer; however, fees usually are required to actually implement the proposed upgrade or revision.

4.3 The applicant, or authorized representative, must make an appointment with the District's Customer Service Engineer at (509) 447-3137 to meet at the location to determine the optimum service location.

4.4 The District will prepare and submit by first class mail a right-of-way easement, Service Extension Agreement, credit and billing applications, and procedures. All forms must be completed, notarized where applicable and returned with a check or money order for the full amount stated in the Service Extension Agreement before any work will commence.

4.5 Applicant(s) will provide right-of-way easements as required for the line extension. If the extension involves only the applicant's property, a copy of the deed must be included with the application. Each individual whose name appears as owner of the property (i.e., husband and wife, etc.) will be required to sign the right-of-way easement, and it must be notarized. Notary service is available at the District's office. If property other than the applicant's is involved, it will be the applicant's responsibility to provide the District with a copy of the deed(s) of the other involved property(ies). From the provided deed(s), the District will type the legal description(s) into the District's Easement Form, which is the right(s)-of-way easement for the other involved property owner(s) notarized signature(s). All right(s)-of-way easements must be received by the District before construction can begin.

4.6 The District, upon receipt of all required forms, easements, and payment, will issue a work order to complete the work.

4.7 The applicant will provide the meter base as follows: Height above finished grade, deck, porch, etc., 5' to 6' to center of meter. If underground service is desired, an approved underground meter base shall be used. In all cases, the meter bases will be located in compliance with the District's service policies, will be easily accessible at all times to District personnel, and will be an approved installation in accordance with state and local electrical codes. Section 6 provides illustrations and guidelines.

4.8 In most cases, the District will endeavor to energize the approved service within 10 working days AFTER notification to the District by the Washington State Department of Labor and Industry's Electrical Safety Inspector that the service is approved for connection, all necessary documents and legal descriptions have been provided, and all required fees have been paid in full. However, circumstances including, but not limited to, crossing permits, weather, natural disasters, complexity of the construction, and other factors, whether within or beyond the control of the District, may delay job completion for an indeterminate amount of time.

5. TERMINOLOGY

Clearing – the removal of trees and objects to provide the necessary corridor for electrical facilities. Line extension fees do not include these costs. Clearing is to be performed by the applicant to District standards or by the District under separate agreement.

Commercial – a class of service whereupon the purpose of a portion or all of the electrical consumption is to provide a service or services for profit. All three-phase non-irrigation services are classified Commercial.

Completion – the District completes its work per agreement, regardless of whether the service is energized or a meter installed.

Construction Service – a temporary installation specifically intended to provide electrical service to facilitate the construction of a permanent account.

District Facilities – all electrical facilities owned and operated by the District.

Easement – legal document assigning the District use of right-of-way.

Exempt Segregations are all divisions of land involving ten (10) acre parcels or larger.

Industrial – a class of service whereupon the primary purpose of electrical consumption is to provide for an industrial process that requires a minimum of 500 kVA capacity.

Irrigation – a class of service whereupon the primary purpose of electrical consumption is to provide energy to electrical pumps for the pumping of water for agricultural purposes.

Line Extension – any electrical connection to District facilities that necessitates the construction of primary voltage facilities to appropriately provide electrical service to a prospective account.

Multi-Dwelling – a structure intended to house multiple families or businesses that has multiple meter bases grouped in one location. The utility connection point for the grouped services must be singular or arranged in such a fashion that all utility connections can be made within 3 feet of one another.

Overhead Primary/Overhead Secondary (OH/OH) – all facilities located on structures above ground.

Overhead Primary/Underground Secondary (OH/UG) – primary facilities located on structures above ground, secondary facilities installed in a trench located below ground level.

Primary Facilities – electrical facilities owned by the District and operated at voltages above 600 volts.

Relocation – a request submitted by a customer that would require the District to move and/or alter existing high-voltage facilities.

Residential – a class of service whereupon the primary purpose of electrical consumption is to provide for the needs of a dwelling.

Right-of-Way – the corridor necessary for primary facilities to maintain access and keep clear of hazards. The width of the corridor shall be 20 feet extending on each side of facility centerline for overhead multi-phase structures, 15 feet extending on each side of facility centerline for overhead single-phase structures and 7.5 feet extending on each side of underground conductors.

Service – all electrical components owned and installed by a customer that are required by Labor and Industry’s Electrical Safety Division to be adequate for the utility to provide an electrical connection. The service may include, but not be limited to, meter base, conduit, main breakers, electrical wiring, subpanels, panel boards, CT enclosures, Ground Fault Circuit Interrupters, etc.

Service Facilities – electrical facilities owned by the District and operated at voltages 600 volts or below.

Service Extension – a low-voltage electrical connection to District facilities that does not exceed 150 feet from existing primary high-voltage facilities.

Service Upgrade – an alteration to an existing low-voltage service requested by the customer being serviced that causes the District to alter or reconfigure the existing facilities.

Service Classes – a classification of accounts to provide for equitable sharing of cost of services.

Standard Service Voltage –Without additional costs, class of service voltages normally supplied to accounts, although not all of them are or can be made available at each service delivery point.

<u>CLASS</u>	<u>VOLTAGE</u>	<u>TYPE</u>
Residential	120/240	single-phase
Residential	120/208	single-phase
Commercial	120/240	single-phase
Commercial	120/208	three-phase
Commercial	277/480	three-phase
Irrigation	negotiable	three-phase
Industrial	negotiable	three-phase

Subdivisions – an area caused to be platted into parcels of less than ten (10) acres for both long and short plats and officially recorded in Pend Oreille County.

Temporary Service – an installation that is deemed temporary in nature requiring service for a period of three (3) months or less.

Underground Primary/Underground Secondary (UG/UG) – all facilities located below ground level.



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ELECTRIC LINE EXTENSION

APPLICATIONS DIRECTIONS AND FORMS

- Residential Single-Phase
- Service or Line Upgrade
- Commercial Single- & Multi-Phase
- Subdivision/Mobile Home Park
- Area Light

Please remove the appropriate application form and submit it to the District.

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RESIDENTIAL ELECTRIC AND FIBER LINE EXTENSION APPLICATION

Applicant Information

Applicant: _____ Phone: _____ Email: _____

Co-Applicant: _____ Phone: _____ Email: _____

Mailing Address: _____ City: _____ State: _____ Zip: _____

Legal Owner(s): _____ Phone: _____

**Must supply copy of recorded Deed or Contract. If under Contract, please refer to application instructions.*

Have you ever received electric service from Pend Oreille County PUD before? _____ Location: _____

New Service Information

Service Address: _____ City: _____ State: _____ Zip: _____

Geo Parcel #: _____ Nearest Pole/Transformer or Mile Post #: _____

Contractor Name: _____ Phone: _____

Electric

Is this new construction? Yes No Approximate distance from nearest pole/transformer to building site? _____

Electrical work performed by: Owner State licensed electrician - Name: _____ Phone: _____

Service Size: Single-Phase 200 Amp 400 Amp Type of Service: Overhead Underground

Service Information (Check all that apply): Residential Manufactured Home RV Site/Cabin/Recreational Shop/Outbuilding
 Pump Site Other

Home Square footage: _____ Type of Heat: Electric Heat Pump – Size: _____ Ton Air Conditioner Other: _____

Additional loads: Well _____ HP Shop _____ sq. ft. Greenhouse _____ sq. ft.

Will there be any large electrical motors? Yes No If yes, size of largest: _____ HP Three-Phase Single-Phase

Will you need TEMPORARY service for construction purposes? Yes No Estimated Date needed: _____

Fiber

If the new service will be located within our Fiber service area, would you be interested in a cost estimate to have fiber installed to the home?

YES NO (A \$50 fiber engineering fee will apply)

*If you have existing electrical service do you have a GFCI outlet within 10 feet of the meter base? Yes No

*All new construction must have a GFCI outlet (outdoor rated, with cover) within 10 feet of the meter base.

Notes

Please let us know of anything about your property we need to be aware of, such as locked gates, dogs, multiple homes on the same parcel, etc. _____

Please Read Before Signing – by signing, you agree to the following terms

The electrical engineering estimate is good for 12 months from the date of the quote. Fiber engineering estimates are good for 12 months from the date of the quote. Upon expiration, the applicant must re-apply for the line extension.

To the best of Applicant’s knowledge, information and belief, the information set forth within this application packet, is true, accurate and correct. In the event any such information is later deemed to be inaccurate or incorrect, Pend Oreille County PUD reserves the right to recover the full amount of any resulting increase in costs and/or damages from the Applicant and Applicant agrees to pay the same.

The undersigned hereby applies for service at the premises described above, and agree(s) to pay the established rates and fees now in force or hereafter modified by the District. Service will continue until the District is notified to terminate or upon action as taken by the District for nonpayment of the account(s) in accordance with District policies. In the event action is taken by the District to collect any delinquency in payment, venue shall rest in Pend Oreille County, Washington, and the applicant(s) agree(s) to pay all amounts due, including but not limited to, late charges, interest, and any reasonable sum as attorney fees and costs associated with any such action as outlined in the Credit and Service Policy. **I have received a copy of the credit and service policy and agree to the terms and conditions therein.**

Applicant Signature: _____ Date: _____

Co-Applicant Signature: _____ Date: _____

All signatures are required before application can be processed.

APPLICATION GENERAL INSTRUCTIONS

\$50 engineering fee required for electric and/or \$50 engineering fee required for fiber

1. **Please complete the application in its entirety.** Incomplete forms may delay the process.
 - If other than the legal owner applies for an extension, the legal owner(s) must sign the Right-of-Way Easement.
 - Mailing, service, and billing addresses are required. Service address must be a street or route.
 - A Home or message phone is requested to ensure timely responses.
2. **Legal Description:** The recorded warranty deed of the property must accompany the application. Copies of recorded documents must also be supplied when referenced in the legal description (i.e. LESS TAX 3, applicant must obtain copy of the recorded deed describing TAX 3). Tax statements will not be accepted. Failure to furnish proper legal description document(s) will result in application being returned.
3. **Engineering Fee:** A non-refundable engineering fee of \$50 per service (electric/fiber) must accompany the application before the application is acted upon.
4. Application, Engineering Fee, and Warranty deed may be submitted by mail or in person.
5. Applicant or authorized representative will make appointment with the District to have District representative visit the property of intended service location.
6. Prior to the District’s completing its work, applicants are to provide an approved electrical service. This necessitates contacting the Department of Labor and Industries’ (L&I) Electrical Safety Division and obtaining a permit. Spokane office (509) 324-2640 or (800) 509-8847.
7. A work order shall be issued upon receipt of full payment and required forms. The payment initiates the process of completing staking sheets and obtaining other required easements and/or road permits. Securing permits may take up to sixty (60) days. Securing easements is dependent upon the willingness and accessibility of the property owner(s) providing the easement. The District will endeavor to expedite the process in all regards. You can contact the District with questions or concerns at (509) 447-3137, (509) 446-3137, or (509) 242-3137.
8. Please be advised that due to high demand of service request from May through September, the process can take over 30 days to complete. State L&I permitting and inspections can take up to 60 days. If securing easements across another’s property, the process could be extended.

***Real Estate Contracts – if you are providing a real estate contract, the contract must specifically state the purchaser has authorization to make changes and add utilities to the property. If the contract does not state this authorization, you must obtain a signed, notarized document from the seller, granting such authorization.**



Pend Oreille County Public Utility District

Administrative Office – PO Box 190, 130 N. Washington Ave., Newport, WA 99156
(509)447-3137 • (509)446-3137 • (509)242-3137 • FAX: (509)447-6370 • information@popud.org

UPGRADE OR RELOCATION APPLICATION

Applicant Information

Applicant: _____ Phone: _____ Email: _____

Co-Applicant: _____ Phone: _____ Email: _____

Mailing Address: _____ City: _____ State: _____ Zip: _____

Legal Owner(s): _____ Phone: _____

**Must supply copy of recorded Deed or Contract. If under Contract, please refer to application instructions.*

Existing Service Information

Service Address: _____ City: _____ State: _____ Zip: _____

Customer Account #: _____ or Meter #: _____

Pole / Transformer #: _____ or Mile Post #: _____

Describe Changes: _____

Service Size: 60 Amp 100 Amp 200 Amp Other _____

Service Voltage: 120/240 Other _____

Service Wire: Overhead Underground

Primary Wire: Overhead Underground

Proposed Service Information

Service Size: 200 Amp 400 Amp 600 Amp Other _____

Service Voltage: 120/240 Other _____

Service Wire: Overhead Underground

Primary Wire: Overhead Underground

Please Read Before Signing – by signing, you agree to the following terms

The undersigned hereby applies for service at the premises described above, and agree(s) to pay the established rates and fees now in force or hereafter modified by the District. Service will continue until the District is notified to terminate or upon action as taken by the District for nonpayment of the account(s) in accordance with District policies. In the event action is taken by the District to collect any delinquency in payment, venue shall rest in Pend Oreille County, Washington, and the applicant(s) agree(s) to pay all amounts due, including but not limited to, late charges, interest, and any reasonable sum as attorney fees and costs associated with any such action as outlined in the Credit and Service Policy. **I have received a copy of the credit and service policy and agree to the terms and conditions therein.**

Applicant Signature: _____ Date: _____

Co-Applicant Signature: _____ Date: _____

All signatures are required before application can be processed.

**LINE UPGRADE APPLICATION GENERAL INSTRUCTIONS
ENGINEERING FEE NOT REQUIRED**

1. Service upgrades only apply when district facilities are located on or adjacent to customer property, the intended meter site is within 150 feet of District electric facilities, and the applicant is a customer served by those existing facilities.
2. Please complete the form in its entirety. Incomplete forms will not be processed.
 - The applicant must provide customer number as shown on billing statement.
 - Mailing, service, and billing addresses are required. Service address must be a street or route.
 - The nearest pole number to the intended service location should be obtained, if possible, to facilitate the District's locating the service.
 - A home or message phone is requested to ensure timely responses.
 - Please indicate the service upgrade desired. The District, will alter secondary services to accommodate customer service upgrade with a minimum charge for a service extension being based upon 50 feet. No transformer contribution will be required for electrical panel increases up to 200 amps. However for any electrical panel increase from 201 amps to 400 amps, there will be a transformer contribution of \$600.00 for an overhead pole-bolted transformer and \$700.00 for a pad mount transformer. Also, for any electrical panel increase to above 400 amps, the customer will pay for the complete cost of the transformer. In the case of upgrading overhead facilities to underground facilities, the customer will pay a riser fee and secondary pole set, as appropriate, and provide the trench necessary to install the conductor as directed by the District's Field Engineer.
 - Sign and date the application.
3. Submit by mail or in person the completed application form.
4. After submitting the required documents and fees, applicant, or authorized representative, must make an appointment to meet at the intended service location with the District's Customer Service Engineer. The appointment is necessary to determine service location, property boundaries and other pertinent factors in determining the needs of the Applicant.
5. Prior to the District's completing its work, applicants are to provide an approved electrical service. This necessitates contacting the Department of Labor and Industries' (L&I) Electrical Safety Division and obtaining a permit.
6. A work order shall be issued upon receipt of full payment and required forms. The payment initiates the process of completing staking sheets and obtaining other required easements and/or road permits. Securing permits may take up to sixty (60) days. Securing easements is dependent upon the willingness and accessibility of the property owner(s) providing the easement. The District will endeavor to expedite the process in all regards. You can contact the District with questions or concerns at (509) 447-3137, (509) 446-3137, or (509) 242-3137.

***Real Estate Contracts – if you are providing a real estate contract, the contract must specifically state the purchaser has authorization to make changes and add utilities to the property. If the contract does not state this authorization, you must obtain a signed, notarized document from the seller, granting such authorization.**



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AREA LIGHT APPLICATION

Applicant Information

Applicant: _____ Phone: _____ Email: _____

Co-Applicant: _____ Phone: _____ Email: _____

Mailing Address: _____ City: _____ State: _____ Zip: _____

Legal Owner(s): _____ Phone: _____

PUD account #: _____

Service Information:

Service Address: _____ City: _____ State: _____ Zip: _____

Nearest Pole Number: _____

Install Light Remove Light Upgrade Fixture Relocation Request

NOTE: If electrical facilities are not within 200 feet of intended light installation, a line extension will be required.

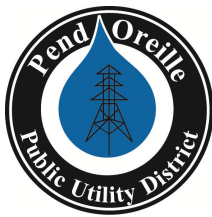
Applicant Signature: _____ Date: _____

Co-Applicant Signature: _____ Date: _____

AREA LIGHT APPLICATION GENERAL INSTRUCTIONS

1. Area lighting can only be installed when District facilities are located within 200 feet of the proposed location.
2. Please complete the form in its entirety. Incomplete forms will not be processed.
 - If other than legal owner applies for the light, the legal owner(s) must sign the application.
 - Mailing and service addresses are required. Service address must be a street or route.
 - The nearest pole number to the intended light location should be obtained, if possible, to facilitate the District's locating the service.
 - A home or message phone is requested.
 - Sign and date the application.
3. Engineering Fee: A non-refundable engineering fee of \$50.00 must accompany the application before the application is acted upon.
4. Submit the completed application form by mail or in person.
5. After submitting the required documents, applicant, or authorized representative, must make an appointment to meet at the intended service location and proper orientation, property boundaries, and other pertinent factors in determining the needs of the applicant.
6. Cost of light installation is calculated based on the Installation Fee Schedule in the Electric Service Rates Policy.
7. A work order shall be issued upon receipt of full payment. The District will endeavor to expedite the process in all regards. You can contact the District with questions or concerns at (509) 447-3137, (509) 446-3137, or (509) 242-3137.

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COMMERCIAL LINE EXTENSION APPLICATION

Applicant Information

Applicant: _____ Phone: _____ Email: _____
 Co-Applicant: _____ Phone: _____ Email: _____
 Mailing Address: _____ City: _____ State: _____ Zip: _____
 Legal Owner(s): _____ Phone: _____

New Service Information

Service Address: _____ City: _____ State: _____ Zip: _____
 Geo Parcel #: _____ Nearest Pole/Transformer or Mile Post #: _____
 Contractor Name: _____ Phone: _____
 Service Type: Single-Phase, 120/240 Voltage Three-Phase, 120/208 Voltage Three-Phase, 277/480 Voltage Other _____
 Service Size: Main Breaker: _____ Amps Connected KW: _____
 Single-Phase Horsepower (if applies) _____ HP Three-Phase Horsepower (if applies) _____ HP
 Primary Service: Overhead Underground Secondary Service: Overhead Underground

Include an Electrical Load Worksheet, see example below:

ELECTRICAL LOAD WORKSHEET

<i>EQUIPMENT</i>	<i>LOAD</i>	<i>EQUIPMENT</i>	<i>LOAD</i>
HVAC Type	Electric or Gas		
Electric Furnace	_____ KW	Snow Melting	_____ KW
Heat Pump(s) #: _____	_____ Total Tons	Pump(s)	_____ HP
Air Conditioner	_____ Total Tons	Machinery #: _____	_____ HP
Boiler	_____ KW	Small Motors #: _____	_____ HP
Water Heater:	Electric or Gas	Exhaust Fans #: _____	_____ HP
Refrigeration Equipment	_____ KW	Compressors #: _____	_____ HP
Washer/Dryer	_____ KW	Signs	_____ KW
Office Equipment	_____ KW	Kitchen Equipment	_____ KW
Computers	_____ KW	Elevators	_____ KW
Outlets	_____ KW	Other: _____	_____ KW
Lighting	_____ KW	Totals: _____	HP _____ KW

Fiber

If the new service will be located within our Fiber service area, would you be interested in a cost estimate to have fiber installed to the business?

YES NO (A \$50 fiber engineering fee will apply)

*If you have existing electrical service do you have a GFCI outlet within 10 feet of the meter base? Yes No

*All new construction must have a GFCI outlet (outdoor rated, with cover) within 10 feet of the meter base.

The electrical engineering estimate is good for 12 months from the date of the quote. Upon expiration, the applicant must re-apply for the line extension.

To the best of the Applicant's knowledge, information and belief, the information set forth within this application packet, is true, accurate and correct. In the even any such information is later deemed to be inaccurate or incorrect, Pend Oreille County PUD reserves the right to recover the full amount of any resulting increase in costs and/or damages from the Applicant and Applicant agrees to pay the same.

The undersigned hereby applies for service at the premises described above, and agree(s) to pay the established rates and fees now in force or hereafter modified by the District. Service will continue until the District is notified to terminate or upon action as taken by the District for nonpayment of the account(s) in accordance with District policies. In the event action is taken by the District to collect any delinquency in payment, venue shall rest in Pend Oreille County, Washington, and the applicant(s) agree(s) to pay all amounts due, including but not limited to, late charges, interest, and any reasonable sum as attorney fees and costs associated with any such action as outlined in the Credit and Service Policy. **I have received a copy of the credit and service policy and agree to the terms and conditions therein.**

Applicant Signature: _____ Date: _____

Co-Applicant Signature: _____ Date: _____

APPLICATION GENERAL INSTRUCTIONS

\$50 engineering fee required for electric and/or \$50 engineering fee required for fiber

1. **Please complete the application in its entirety.** Incomplete forms may delay the process.
 - If other than the legal owner applies for an extension, the legal owner(s) must sign the Right-of-Way Easement.
 - Mailing, service, and billing addresses are required. Service address must be a street or route.
 - A Home, business, or message phone is requested to ensure timely responses.
2. **Legal Description:** The recorded warranty deed of the property must accompany the application. Copies of recorded documents must also be supplied when referenced in the legal description (i.e. LESS TAX 3, applicant must obtain copy of the recorded deed describing TAX 3). Tax statements will not be accepted. Failure to furnish proper legal description document(s) will result in application being returned.
3. **Engineering Fee:** A non-refundable engineering fee of \$50 per service (electric/fiber) must accompany the application before the application is acted upon.
4. Application, Engineering Fee, and Warranty deed may be submitted by mail or in person.
5. Applicant or authorized representative will make appointment with the District to have District representative visit the property of intended service location.
6. Prior to the District's completing its work, applicants are to provide an approved electrical service. This necessitates contacting the Department of Labor and Industries' (L&I) Electrical Safety Division and obtaining a permit. Spokane office (509) 324-2640 or (800) 509-8847.
7. A work order shall be issued upon receipt of full payment and required forms. The payment initiates the process of completing staking sheets and obtaining other required easements and/or road permits. Securing permits may take up to sixty (60) days. Securing easements is dependent upon the willingness and accessibility of the property owner(s) providing the easement. The District will endeavor to expedite the process in all regards. You can contact the District with questions or concerns at (509) 447-3137, (509) 446-3137, or (509) 242-3137.
8. Please be advised that due to high demand of service request from May through September, the process can take over 30 days to complete. State L&I permitting and inspections can take up to 60 days. If securing easements across another's property, the process could be extended.



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SUBDIVISION LINE EXTENSION APPLICATION Subdivision Development / Industrial Park / Exempt Segregation

Please complete this application and submit the completed form and attachments to the PUD office. Attach additional pages if necessary.

PROJECT TYPE

Build-out (Production) Subdivision Apartments Zero Lot Line Condominiums Lot Sale _____ Number of lots/units

PROJECT INFORMATION

Project Name _____ Tract Number _____

Project Address/Location _____ City _____ Zip _____

Nearest Cross Street _____

Applicant/Company Name _____ Phone _____ Cell _____

Applicant Mailing Address _____ City _____ Zip _____

Name of person authorized to sign contracts _____ Title _____
(First Name, Middle Initial, Last Name)

Mailing address for contact _____ City _____ Zip _____

Trench start date _____ Date you will begin construction (grading) _____ Trench completion date _____

Representative Information (party who will relay project information and updates to the POPUD)

Name of Representative _____ Phone _____

Cell # _____ Fax # _____ Email _____

Mailing Address _____ City _____ Zip _____

Contractor's Name _____ Contractor's Phone _____

Credit Information

Party responsible for energy use after the meter is installed: _____

Day Phone _____ Evening Phone _____

Mailing Address _____ City _____ Zip _____

Social Security No. or Tax ID _____ (Requested for credit verification and to potentially avoid a deposit)

Construction Information

Joint trench drawing to be prepared by: Applicant POPUD Other Utility Not Required

Who will trench and backfill for the distribution facilities? Applicant POPUD Other Utility **Date Joint trench required _____

Proposed distribution trench occupants or joint pole occupants: (check all that apply) Electric Phone CATV Other

Who will install distribution conduit? Applicant POPUD

Who will trench and backfill for the service facilities? Applicant POPUD Not Required **Date Joint trench required _____

Proposed service trench occupants or joint pole occupants: (check all that apply) Applicant CATV Other

Who will install service conduit? Applicant POPUD Not Required **Date Joint Trench required _____

Transformer type requested? Pad mount Overhead

General construction Information

Will temporary electric service be required? No Yes Date needed _____

Will existing POPUD overhead facilities require undergrounding? No Yes Not Sure Date needed _____

Will any existing POPUD or electric facilities require relocation or removal? No Yes Not Sure Date needed _____

Load Information (typical of each house, unit or building)

Average square footage _____ Largest square footage _____

IN THE EVENT THAT APPLICANT SHALL MAKE ANY MATERIAL CHANGE EITHER IN THE AMOUNT OR CHARACTER OF THE APPLIANCES OR APPARATUS INSTALLED UPON THE PREMISES TO BE SUPPLIED BY POPUD, INCLUDING PANEL SIZE, APPLICANT SHALL IMMEDIATELY GIVE POPUD WRITTEN NOTICE OF THIS FACT.

ELECTRIC LOAD INFORMATION

Main Switch Size (Service Termination Enclosure) _____ amps

Voltage: (select one) 120/240 Volt, 3-wire, 10 120/208 Volt, 3-wire, 10 240/120 Volt, 4-wire, 30
 208/120 Volt, 4-wire, 30 480/277 Volt, 4-wire, 30

Check all that apply:

- Standard residential loads (Lighting, Electric Oven, Electric Range, Refrigerator, Freezer, Dish Washer, Laundry Dryer, Electric Water Heater)
- Air Conditioner (_____ tons/kW) Domestic Water Pump (_____ hp) Heat Pump (_____ tons/kW)
- Other electric heat (_____ kW) Electric Vehicle Compressor (_____ kW) Pool/Spa (_____ kW)
- Other electric load (specify) _____ Number of meters needed: _____

COMMON USAGE AREA ELECTRIC LOAD INFORMATION

- Lift Station Club House Park Site Sprinkler/Irrigation Controls (must be metered) Street Lighting
- Area Lighting Other (Specify) _____

STREET LIGHT LOAD INFORMATION

Number of customer installed and owned street lights to be added in development: _____ Watts per lamp _____

Who is responsible for the street light billing? _____

Billing address for streetlights: _____ City _____ Zip _____

Important Note: For a city or county owned street lighting system, a letter will be required from the city/county accepting ownership of the lighting which includes the date of acceptance and states they will be responsible for the billing. Until the letter is received and dated with the city/county acceptance, the billing will be placed in the applicant's name and billed according to the rate schedule when the lights have been energized. POPUD will not own street lighting systems in that they will be customer metered.

SELF-GENERATION AND NET METERING OPTIONS

Type: Photovoltaic (Solar) Fuel Cell Wind Other Capacity (_____ kW)

ATTACHMENTS: TWO (2) COPIES REQUIRED

- A. Complete set of subdivision improvement plans, including grading plans. Plans should include location of water, sewer, and storm drains. (Include 3 ½" high-density disk with Auto CAD 2000i or Micro Station .dwg file of the site plan.)
- B. Tract map showing all easements, right-of-way, property lines, etc.

For ease of right-of-way acquisition, the plat map(s), in paper and electronic formats, for subdivisions, developments, industrial parks, and exempt segregations need to have the following language included.

For electric and communication utilities, [Property Owner(s)/Developer(s)] hereby grants easements that are five (5) feet on either side of a lot boundaries, ten(10) feet on the inside of lots along all platted roads, and ten(10) feet on the inside of the shown [Project Names] boundaries.

Special equipment and associated construction requirements for unique electric circuit configurations can require the width of the easements to be increased.

Note:

Sometimes the District will need a separate easement document prior to the District installing its electrical facilities within a project.

- C. Detailed site plan showing roads, sidewalks, driveways, location of fire hydrants and other structures, and proposed future improvements.
- D. Landscaping plans including sprinkler controller meter locations.
- E. Streetlight and traffic signal plans.
- F. Building Permit.

Applicant Signature: _____ Date _____

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ELECTRIC LINE EXTENSION

SERVICE INSTALLATION GUIDELINES

- Overhead Service Guidelines
- Underground Service Guidelines



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METER BASE BRAND AND MODEL EXCEPTIONS

The following underground meter base brands and models are not approved for purchase for District installations because the termination compartments are too small or tight for wire termination by District utility workers, and have to be taken apart and reassembled to install manufacturer's recommended maximum wire size.

***Siemens 200A**

***Midwest 200A**

***Midwest 200A**

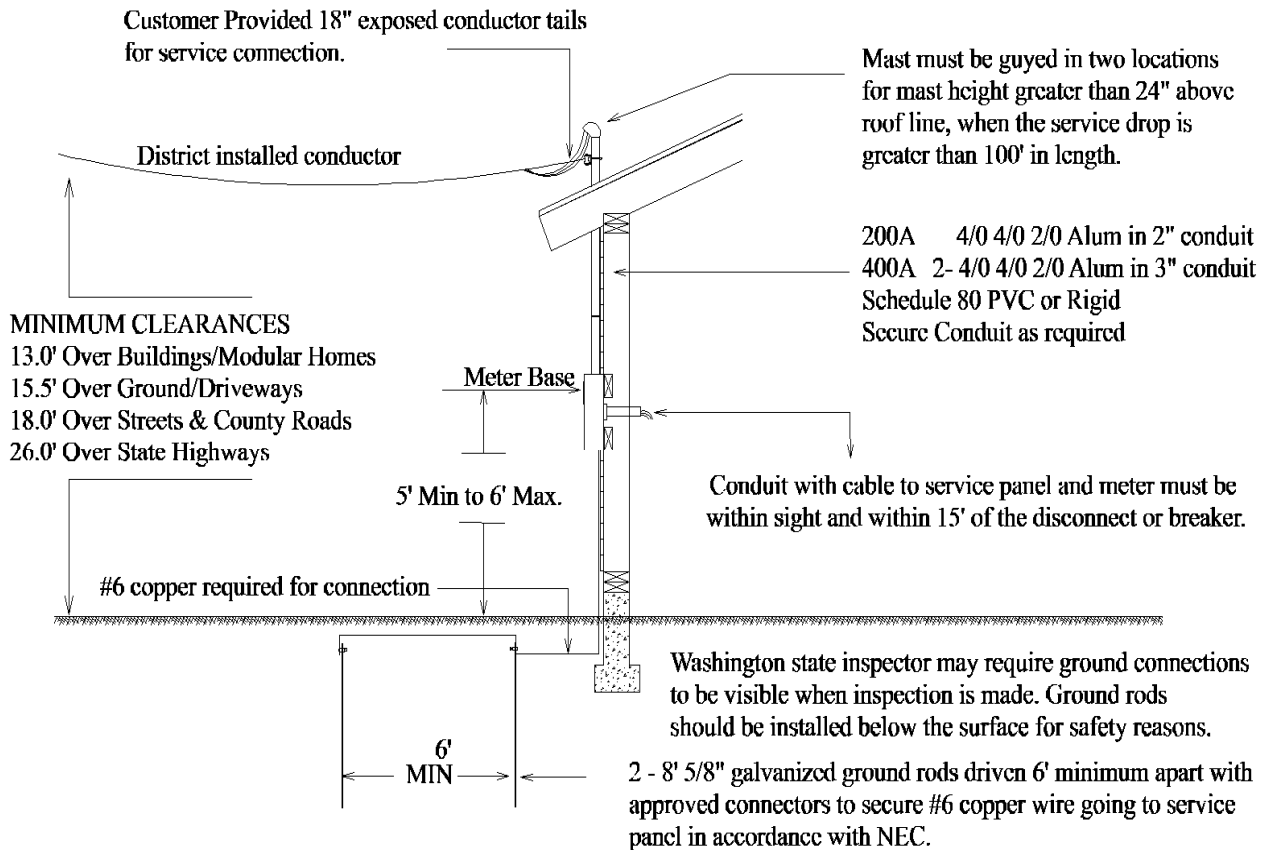
CAT #P37RTP

MW200

Model #M281CB1

Type 3R Series

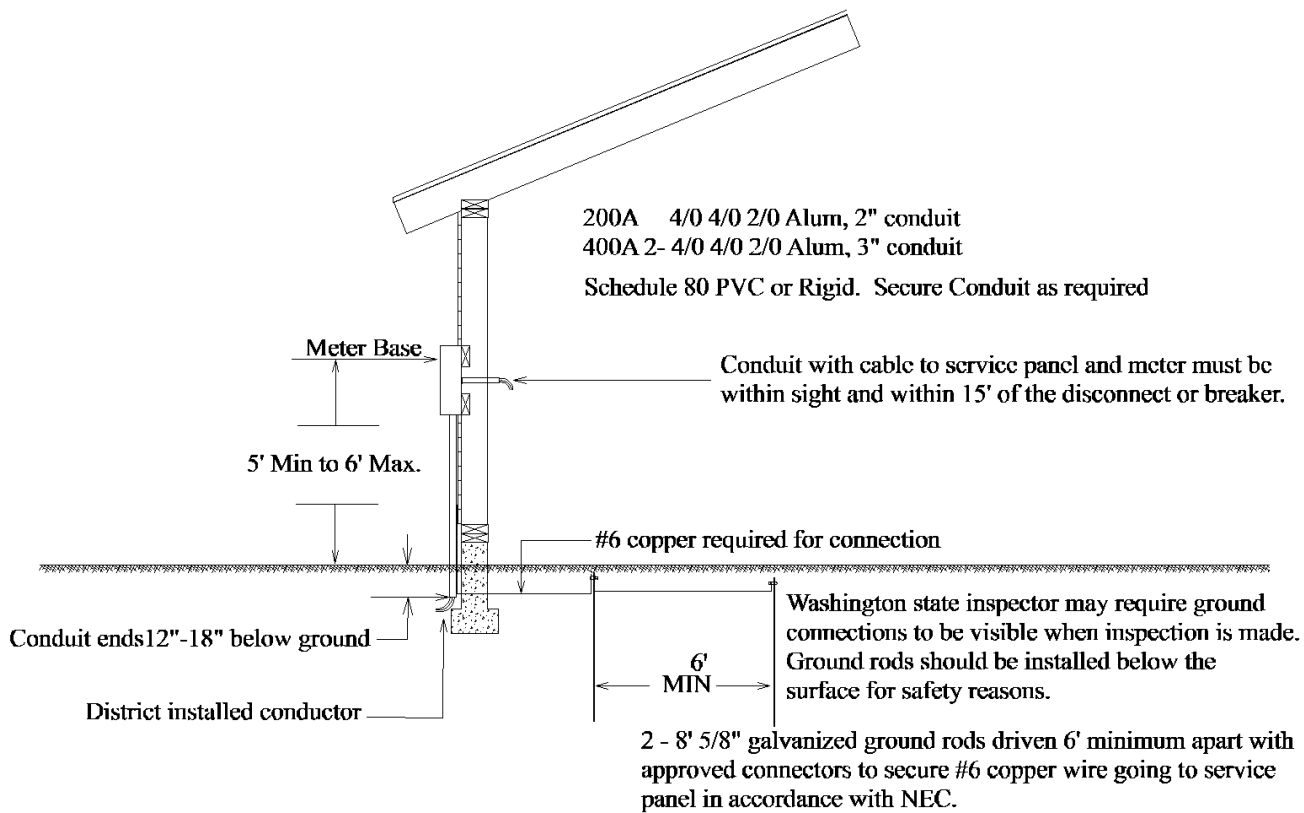
OVERHEAD SERVICE GUIDELINES
SINGLE - DWELLING RESIDENTIAL
PREMISE MOUNTED SERVICE POINT
CUSTOMER OWNED METER BASE
 (200A & 400A)



Notes:

1. Information solely intended as a guide for customer convenience. Normally, consult your electrician, Department of Labor and Industries (L&I), or the current edition of the National Electric Code (NEC) for all codes applicable to your application. You may also be required to consult with other code enforcing agencies.
2. The customer-owned meter base is the demarcation between the District and the customer. Failure of any electrical component beyond the demarcation point, including the meter base and service conductor, is the customer's responsibility for repair as required.
3. The service panel must be located within 15' of the meter point unless a disconnect is provided.
4. The advantage of this type of service point is that the District will install and maintain all equipment up to the meter base. The disadvantage is that typically, when the structure is under construction, a temporary service point must be established.
5. Be sure and note the requirement of 3" conduit for 400 amp meter base.
6. The meter base must be located within 150' of District transformer or high voltage facilities, unless other restrictions apply that reduce this distance.

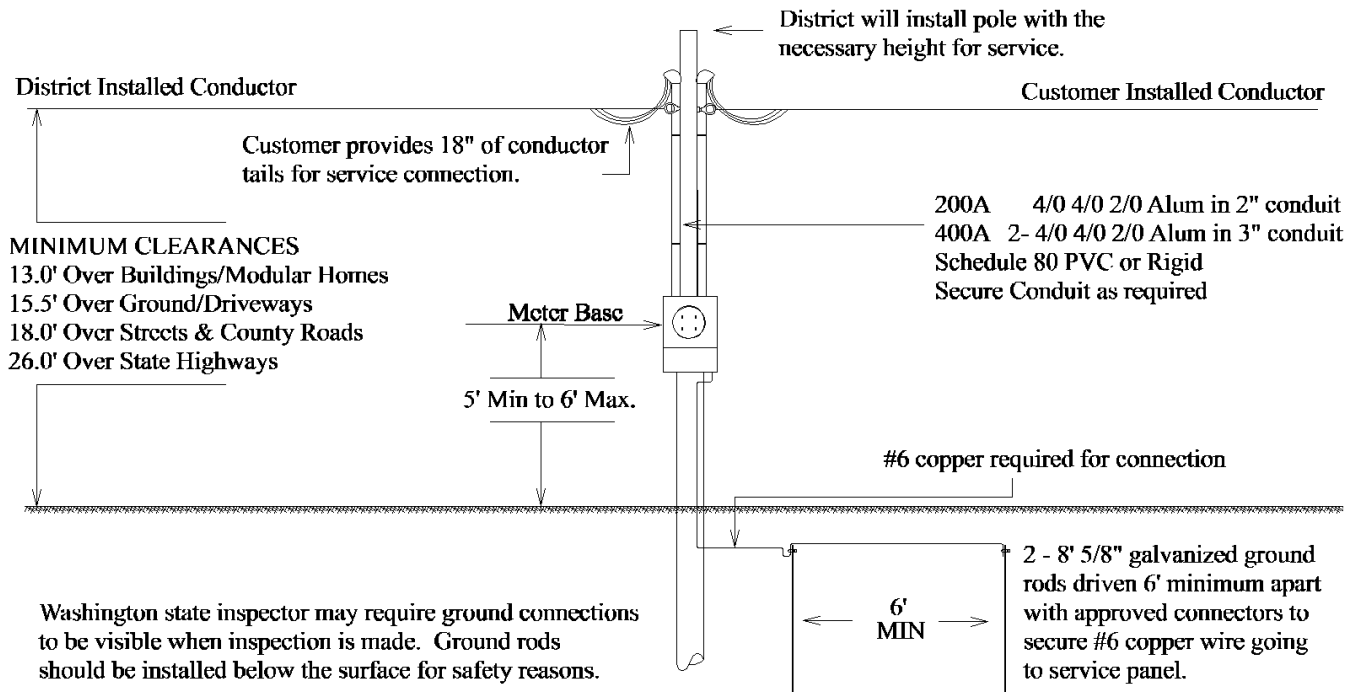
UNDERGROUND SERVICE GUIDELINES
SINGLE - DWELLING RESIDENTIAL
PREMISE MOUNTED SERVICE POINT
CUSTOMER OWNED METER BASE
 (200A & 400A)



Notes:

1. Information solely intended as a guide for customer convenience. Normally, consult your electrician, Department of Labor and Industries (L&I), or the current edition of the National Electric Code (NEC) for all codes applicable to your installation. You may also be required to consult with other code enforcing agencies.
2. The customer-owned meter base is the demarcation between the District and the customer. Failure of any electrical component beyond the demarcation point, including the meter base and service conductor, is the customer's responsibility for repair as required.
3. The service panel must be located within 15' of the meter point unless a disconnect is provided.
4. The advantage of this type of service point is that the District will install and maintain all equipment up to the meter base. The disadvantage is that typically, when the structure is under construction, a temporary service point must be established.
5. Be sure and note the requirement of 3" conduit for 400 amp meter base.
6. The meter base must be located within 150' of District transformer or high voltage facilities, unless other restrictions apply to reduce this distance.

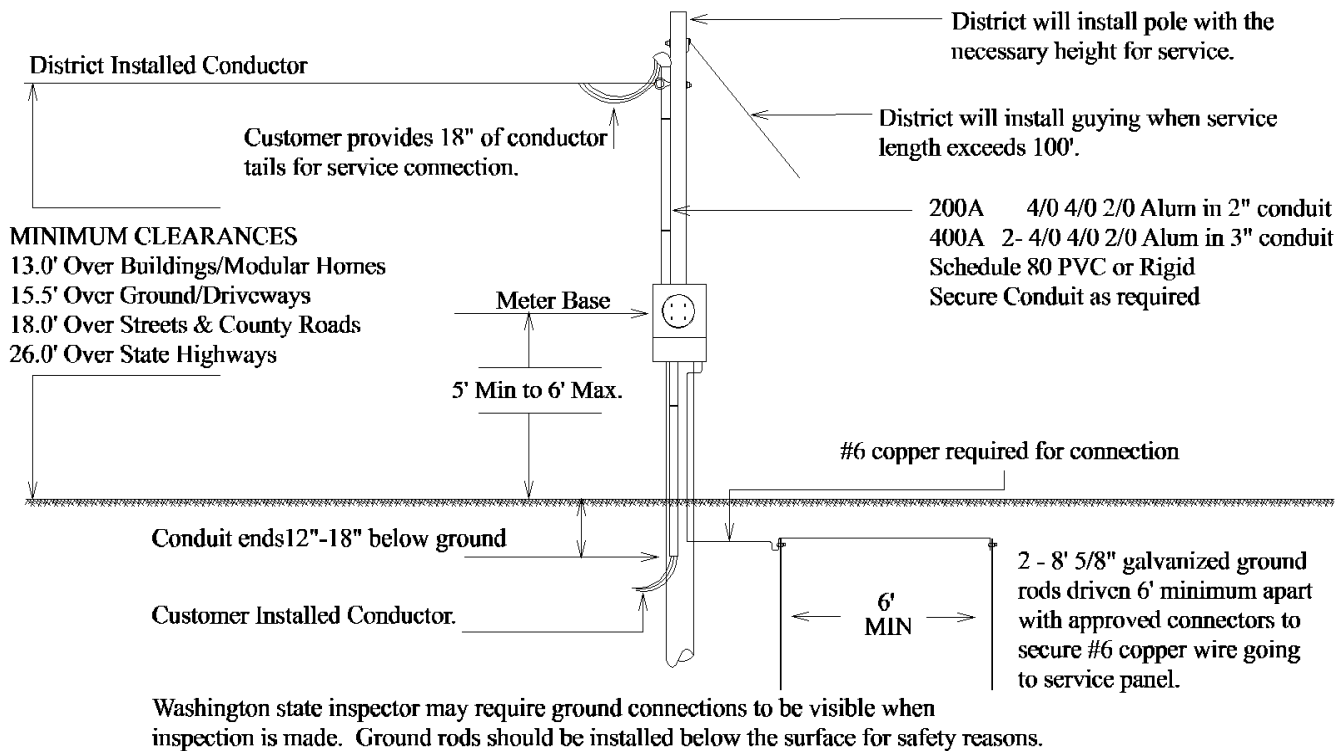
OVERHEAD SERVICE GUIDELINES
SINGLE - DWELLING RESIDENTIAL
MODULAR HOME OR OFF-PREMISE SERVICE POINT
District Installed Pole -- CUSTOMER OWNED OVERHEAD SERVICE
(200A & 400A)



Notes:

1. Information solely intended as a guide for customer convenience. Normally, consult your electrician, Department of Labor and Industries (L&I), or the current edition of the National Electric Code (NEC) for all codes applicable to your installation. You may also be required to consult with other code enforcing agencies.
2. The customer-owned meter base is the demarcation between the District and the customer. Failure of any electrical component beyond the demarcation point, including the meter base and service conductor, is the customer's responsibility for repair as required.
3. When used as a modular/mobile home service, the meter with a disconnect (main breaker) must be located within 30' of home.
4. When used as an off-premise service point, a disconnect is not required but may be useful to install for service to well and outbuildings. The grounding shown is contingent upon the disconnect being located at the meter base. Grounding at the meter base is not required if there is not a disconnect; however, proper grounding methods are applicable at the first disconnect beyond the meter.
5. The primary advantages to an off-premise service point is that it can serve as both a temporary and permanent service and provide power to a well, etc. independently. The disadvantage is that customer must own and maintain the conductor between meter point and premises.
6. The customer can extend up to a maximum of 50' from the District's service pole.
7. Be sure and note the requirement of 3" conduit for 400 amp meter base.
8. The meter base must be located within 150' of District transformer or high voltage facilities, unless other restrictions apply that reduce this distance.

OVERHEAD SERVICE GUIDELINES
SINGLE - DWELLING RESIDENTIAL
MODULAR HOME OR OFF-PREMISE SERVICE POINT
District Installed Pole -- CUSTOMER OWNED UNDERGROUND SERVICE
(200A & 400A)



Notes:

1. Information solely intended as a guide for customer convenience. Normally, consult your electrician, Department of Labor and Industries (L&I), or the current edition of the National Electric Code (NEC) for all codes applicable to your installation. You may also be required to consult with other code enforcing agencies.
2. The customer-owned meter base is the demarcation between the District and the customer. Failure of any electrical component beyond the demarcation point, including the meter base and service conductor, is the customer's responsibility for repair as required.
3. When used as a modular/mobile home service, the meter with a disconnect (main breaker) must be located within 30' of home and an additional insulated ground conductor (#6 copper or #4 aluminum), taped green at both ends, must be placed in the same trench.
4. When used as an off-premise service point, a disconnect is not required but may be useful to install for service to well and outbuildings. The grounding shown is contingent upon the disconnect being located at the meter base. Grounding at the meter base is not required if there is not a disconnect; however, proper grounding methods are applicable at the first disconnect beyond the meter.
5. The primary advantages to an off-premise service point is that it can serve as both a temporary and permanent service and provide power to a well, etc., independently. The disadvantage is that customer must own and maintain the conductor between meter point and premises.
6. The meter base must be located within 150' of District transformer or high voltage facilities, unless other restrictions apply that reduce this distance.

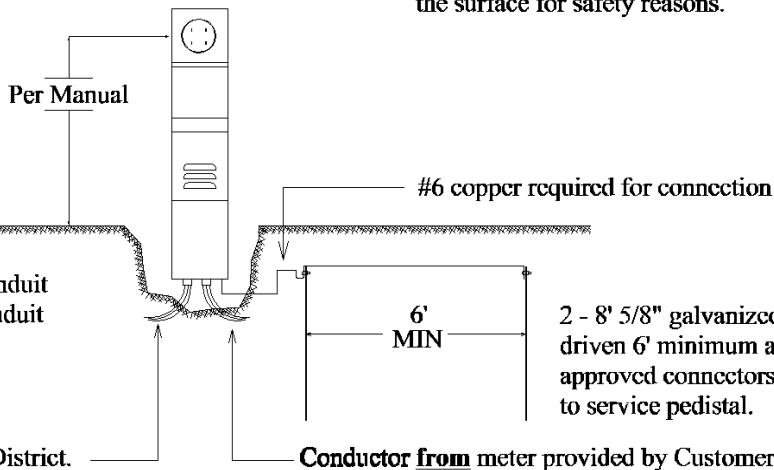
UNDERGROUND SERVICE GUIDELINES
SINGLE - DWELLING RESIDENTIAL
MODULAR HOME OR OFF-PREMISE SERVICE POINT
CUSTOMER OWNED PEDESTAL STYLE METER BASE
 (200A & 400A)

Customer provides meter pedestal with open area as shown below. After installing its conductor into pedestal the District will back fill to secure pedestal.

Washington state inspector may require ground connections to be visible when inspection is made. Ground rods should be installed below the surface for safety reasons.

Service entrance location can vary based on pedestal type.

200A 4/0 4/0 2/0 Alum in 2" conduit
 400A 2- 4/0 4/0 2/0 Alum in 4" conduit
 Schedule 80 PVC or Rigid



2 - 8' 5/8" galvanized ground rods driven 6' minimum apart with approved connectors to wire going to service pedestal.

Conductor **into** meter provided by District.

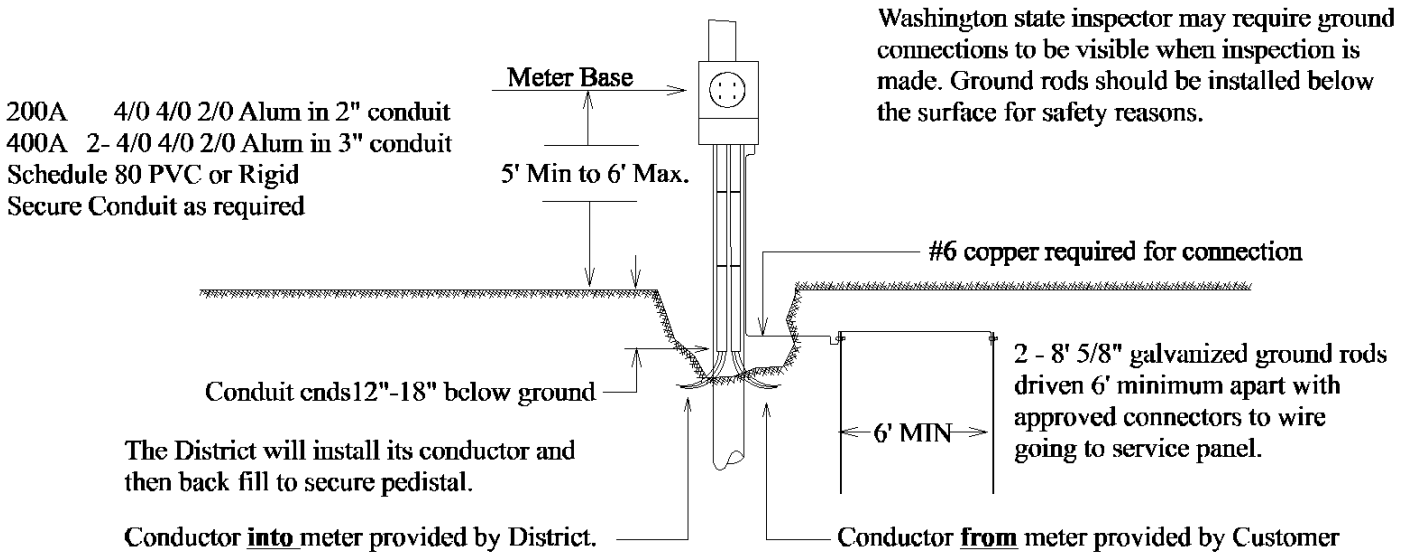
Conductor **from** meter provided by Customer

Notes:

1. Information solely intended as a guide for customer convenience. Normally, consult your electrician, Department of Labor and Industries (L&I), or the current edition of the National Electric Code (NEC) for all codes applicable to your installation. You may also be required to consult with other code enforcing agencies.
2. The customer-owned meter base is the demarcation between the District and the customer. Failure of any electrical component beyond the demarcation point, including the meter base and service conductor, is the customer's responsibility for repair as required.
3. When used as a modular/mobile home service, the meter with a disconnect (main breaker) must be located within 30' of home and an additional insulated ground conductor (#6 copper or #4 aluminum), taped green at both ends, must be placed in the same trench.
4. When used as an off-premise service point, a disconnect is not required but may be useful to install for service to well and outbuildings. The grounding shown is contingent upon the disconnect being located at the meter base. Grounding at the meter base is not required if there is not a disconnect; however, proper grounding methods are applicable at the first disconnect beyond the meter.
5. The primary advantages to an off-premise service point is that it can serve as both a temporary and permanent service and provide power to a well, etc., independently. The disadvantage is that customer must own and maintain the conductor between meter point and premises.
6. Be sure and note the requirement of 3" conduit for 400 amp meter base.
7. The meter base must be located within 150' of District transformer or high voltage facilities, unless other restrictions apply that reduce this distance.

UNDERGROUND SERVICE GUIDELINES
SINGLE - DWELLING RESIDENTIAL
MODULAR HOME OR OFF-PREMISE SERVICE POINT
CUSTOMER OWNED POST-MOUNTED METER BASE
 (200A & 400A)

Customer provides meter base, conduit, adapter bushing, conductor, and treated mounting post.



Notes:

1. Information solely intended as a guide for customer convenience. Normally, consult your electrician, Department of Labor and Industries, or the current edition of the National Electric Code (NEC) for all codes applicable to your installation. You may also be required to consult with other code enforcing agencies.
2. The customer-owned meter base is the demarcation between the District and the customer. Failure of any electrical component beyond the demarcation point, including the meter base and service conductor, is the customer's responsibility for repair as required.
3. When used as a modular/mobile home service, the meter with a disconnect (main breaker) must be located within 30' of home and an additional insulated ground conductor (#6 copper or #4 aluminum), taped green at both ends, must be placed in the same trench.
4. When used as an off-premise service point, a disconnect is not required but may be useful to install for service to well and outbuildings. Normally pedestal rating is 200 amp but can go up to 400A. Larger ampacities can be built with a post-mounted service. Many pedestal manufactures manufacturers provide for additional breakers for outlets, well pumps, or outbuildings.
5. The primary advantages to an off-premise service point is that it can serve as both a temporary and permanent service and provide power to a well, etc., independently. The disadvantage is that customer must maintain conductor between meter point and premises.
6. Be sure and note the requirement of 3" conduit for 400 amp meter base.
7. The meter base must be located within 150' of District transformer or high voltage facilities, unless other restrictions apply that reduce this distance.