2. Construction and Interior Wiring
2.1 Construction

Rates and charges for services explained herein are contained in Part F, Section 1.2.

2.1.1	General
A.	Verizon places either aerial or underground construction and determines in each case the normal type of construction to be used to furnish service. If another type of construction is required, such as submarine cable or radio, or if service is desired at remote locations, the provisions in Section 2.1.5 governing special conditions or the regulations in this Product Guide pertaining to hazardous or inaccessible locations apply.
1.	Aerial or underground telephone construction located on private property within the exchange area and serving only one customer is considered private property construction.
a.	That portion of construction on private property used in common for more than one customer, except underground construction at airports, is furnished under the regulations for highway construction.
B.	The regulations specified in Sections 2.1.2, 2.1.3, and Section 2.1.5A apply for main telephone exchange and Private Branch Exchange (PBX) trunk line services, and for private line service between points not on the same continuous property. When these services are extended to another building on the same continuous property of a customer, or when a private line service is furnished exclusively between points on the same premises, the construction is furnished in accordance with regulations specified in Part B.

2.1.2	Highway Construction
A.	Within the normal exchange area, Verizon furnishes all required highway construction of normal type without a special construction charge.
B.	When a customer is so located that it is necessary to use a private right-of-way to furnish service and Verizon must incur cost to obtain the required right-of-way, the customer is required to pay the entire cost involved in securing the right-of-way.

2.1.3	Private Property Construction
A.	**Principal Location** for business service customers it is considered to be the main office on the premises of the customer, except that where PBX service is furnished, the principal location is the building in which the PBX switching equipment is located.

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2.1.3	Private Property Construction
B.	**Pole Construction—** The minimum service period is one year for service involving pole line construction on private property.
1.	When a pole line suitable either for telephone occupancy or joint occupancy with another wire using company is built by Verizon, Verizon furnishes the first two poles without charge, and the customer assumes the cost of any additional poles and guys. The construction is the property of Verizon and will be maintained and replaced by Verizon at its expense. Verizon at its expense will furnish, own, and maintain the associated circuit construction.
2.	If a pole line of another wire using company is involved, the customer assumes, beyond the first two poles, the entire pole line costs incurred by Verizon in furnishing telephone service through joint ownership. If attachment charges are incurred in lieu of joint ownership, the customer assumes all charges beyond the first two poles. Verizon at its expense furnishes, owns, and maintains the associated circuit construction.
3.	When a pole line suitable for telephone occupancy is built by the customer, he assumes the entire cost of construction. The pole line must be constructed in a manner acceptable to Verizon, remains the property of the customer, and must be maintained and replaced by the customer or at his expense. Verizon at its expense furnishes, owns, and maintains the associated circuit construction.
4.	The customer assumes the expense of maintenance and replacements made necessary by any act of the customer or his representatives or by circumstances over which the customer has control.
C.	**Underground Construction** on private property is provided to serve the customer's principal location subject to the regulations of this section.
1.	When Verizon determines that the normal type of construction is underground and the wire or cable construction is of a type not requiring conduit, Verizon will furnish without charge, all trench work for a maximum route distance of 500 feet on private property. Trench work in excess of the maximum allowance is furnished at the expense of the customer. Excess construction may be built either by Verizon or the customer under Verizon supervision and in conformity with Verizon engineering specifications. The customer assumes the cost of providing a suitable entrance into the building.
2.	When Verizon determines that the normal type of construction is underground and the wire or cable construction is of a type requiring conduit, Verizon furnishes trench work in accordance with the preceding paragraph. The customer assumes the cost of conduit material to be placed by Verizon at its expense. The customer assumes the cost of providing a suitable entrance into the building.

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2.1 Construction

2.1.3	Private Property Construction
C.	(Continued)
3.	**Underground Construction Not Requiring Conduit—** The following construction work may be built either by Verizon or by the customer under Verizon supervision and in conformity with Verizon engineering specifications. Verizon does not make any credit allowances where construction is built by the customer. When Verizon determines that the normal type of construction is aerial but underground construction is built at the request of the customer, and the wire or cable construction is of a type not requiring conduit then the following cost is assumed by the customer.
a.	The customer assumes full cost of trench work for the first 200 feet route measurement. For the next 300 feet, the customer assumes full cost of trench work, less a credit for each 150 feet or fraction thereof, of pole line construction that would have been placed if aerial construction had been used.
b.	The customer assumes full cost of all trench work beyond 500 feet route measurement.
c.	The customer assumes the cost of providing a suitable entrance into the building.
4.	**Underground Construction Requiring Conduit—** The following construction work may be built either by Verizon or by the customer under Verizon supervision and in conformity with Verizon engineering specifications. Verizon does not make any credit allowances where construction is built by the customer. When Verizon determines that the normal type of construction is aerial but underground construction is built at the request of the customer, and the wire or cable construction is of a type requiring conduit, the following cost is assumed by the customer.
a.	The customer assumes full cost of trench work and conduit material for the first 200 feet route measurement. For the next 300 feet route measurement, the customer assumes full cost of trench work and conduit material less a credit for each 150 feet or fraction thereof, of pole line construction that would have been placed if aerial construction had been used.
b.	The customer assumes full cost of all trench work and conduit material beyond 500 feet route measurement.
c.	The customer assumes the cost of providing a suitable entrance into the building.
5.	The minimum service period is one year for service provided in accordance with the preceding regulations where the circuit distance is in excess of 200 feet route measurement and Verizon has assumed all or part of, or has given the customer credits against, the cost of underground construction in excess of 200 feet.

2. Construction and Interior Wiring
2.1 Construction

2.1.3	Private Property Construction
C.	(Continued)
6.	Circuit construction furnished herein is furnished, owned, and maintained by Verizon.
a.	Any necessary trench or conduit work in connection with maintenance and replacement is done at Verizon expense. If the customer renders access to the conduits, provided hereunder, unusually expensive, the customer is required to bear the unusual expense incurred in opening and closing the trench in connection with maintenance and replacement or to provide service over a new route. The customer assumes the expense of maintenance and replacement of circuit construction, provided hereunder, made necessary by some act of the customer or his representative, or by circumstances over which the customer has control.

2.1.4	Airport Underground Construction
A.	For underground wire or cable construction of a type not requiring conduit, the customer assumes the entire cost of the trench work including the cost of providing a suitable entrance into the building.
B.	If underground conduit construction is built for telephone service, the customer assumes the entire cost of construction, including the cost of providing a suitable entrance into the building.
C.	The construction may be built either by Verizon or by the customer under Verizon supervision and in conformity with Verizon engineering specifications.
D.	Circuit construction furnished herein is furnished, owned, and maintained by Verizon.
1.	The cost of the conduit replacement or of opening and closing the trench in connection with maintenance and replacement of the circuit is assumed by the customer. The customer assumes the expense of maintenance and replacement of circuit construction, provided hereunder, made necessary by some act of the customer or his representative, or by circumstances over which the customer has control.

2.1.5	Special Conditions
A.	If a customer within the exchange area desires or requires a form of highway or private property construction that is of higher cost than that which normally would be placed, or if because of the obviously temporary nature of the service the construction cost is disproportionately large in comparison with the estimated revenue, special construction charges apply to cover the excess costs.

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2.1 Construction

2.1.5	Special Conditions
B.	If the furnishing of facilities and service involves a special assembly, a special installation, or a disproportionately large construction, maintenance or replacement costs, or expenses on the part of Verizon, charges for the construction are determined in accordance with the provisions contained herein.
1.	A one-time Engineering Design Charge (EDC) applies to each request for a special construction quote. The charge will apply whether or not the customer elects to proceed with the installation. If the customer elects to proceed with the installation, charges applicable to the Special Construction will be offset by the Engineering Design Charge.
2.	If a special installation involving special construction is made on behalf of the customer, or if the cost involved is disproportionately large in comparison with the estimated revenue, charges based on cost apply, in addition to service charges. If there is considerable cost involved for design and installation, service is furnished subject to a minimum revenue guarantee for at least 12 months service. If a special installation request is cancelled, a processing fee may apply for the expense incurred in engineering the service arrangement.
C.	For a change in construction not provided for in this schedule, charges based on cost apply.
D.	If conditions change so that the whole or a part of a special construction charge previously paid by a customer, as provided in Section 2.1.5B and Section 2.1.5C, is assumed either by a new customer or by Verizon, an equitable refund will be made.

2.1.6	Subdivision Construction
A.	A **Subdivision** is considered to be a tract of land divided into two or more lots for the construction of two or more new buildings or the land on which one or more new multiple occupancy buildings are to be constructed.
B.	Notwithstanding the provisions of sections 2.1 through 2.1.5, where in the opinion of Verizon, the investment necessary to extend its network to a subdivision is not justified by the revenue Verizon expects to receive from customers in the subdivision, the following terms apply.
1.	Prior to installation of Verizon's facilities, the developer of the subdivision or other builder, person, partnership, association, corporation or governmental agency seeking such extension (all of which are referred to herein as "Applicant") shall pay Verizon its estimated costs of construction of the extension. If the actual costs of construction exceed the advance payment, the developer shall pay the excess. In the event that actual costs of construction are less than the advance payment, Verizon will refund the difference to the developer, without interest, upon completion of the extension.
2.	If no Applicant seeks extension of Verizon's network to the subdivision or pays the costs as provided in 2.1.6.B.1, any customer who later seeks service from Verizon in the subdivision shall pay Verizon its estimated costs of extending its network to provide service to that customer, subject to the same true-up provided in part 1 following completion of construction.
3.	All construction pursuant to this section 2.1.6 shall be the property of Verizon and will be maintained and replaced by Verizon at its expense.

2. Construction and Interior Wiring
2.2 Interior Wiring

2.2.1	General
A.	It is the responsibility of the owner, customer, or builder to provide a means of entrance into the building that is satisfactory to Verizon, to provide space for mounting the necessary terminal and station protection equipment and, where intrabuilding network cable and network terminating wire is required, a reusable means to reach each floor and each suite or office on each floor where telephone service is desired.
B.	**Concealed Wiring**
1.	Verizon installs concealed premises wiring in commercial (non residential) buildings where the type of construction permits concealed premises wiring to be installed, or where the customer provides a means of concealment satisfactory to Verizon.
C.	Any conduit or similar type construction required in furnishing concealed wiring must be installed and maintained at the expense of the customer, owner, or builder. Such construction must be installed in a manner satisfactory to Verizon.
D.	Premises work charges apply when Verizon installs wiring described in Section 2.2.1B and Section 2.2.1.C.

2.2.2	Customer Premises Inside Wire
A.	A customer or premises owner may install simple wiring on the customer side of the demarcation point by direct attachment to carrier installed wiring including but not limited to splicing, bridging, twisting and soldering. For complex wiring installations, connections through a carrier installed jack is required.