



COMMUNICATION REQUIREMENTS FOR COMMERCIAL SERVICE  
DEVELOPER/OWNER RESPONSIBILITIES

CONDUIT REQUIREMENTS

- MINIMUM ONE 4 INCH CONDUIT (OR SPECIFIED SIZE) PVC SCHEDULE 40.
- CONDUIT WILL BE PLACED FROM UTILITY BOX OR FROM UTILITY POLE. UTILITY POLE ATTACHMENT LOCATION TO BE MARKED BY A FRONTIER COMMUNICATIONS REPRESENTATIVE.
- CONDUIT TO BE CONTINUOUS WITH NO MORE THAN TWO 90 DEGREE SWEEPS. WHERE THE RUN EXCEEDS 300 FEET, PULLBOXES SHALL BE INSTALLED. CONDUIT BENDS IN A TRENCH LINE NOT HAVE LESS THAN 12" 6" RADIUS (UNLESS OTHERWISE SPECIFIED). CONDUIT WHICH ENTERS A BUILDING WILL NOT HAVE A RADIUS OF LESS THAN 36".
- CONDUIT TERMINATION AT POLE MUST HAVE 36 INCH SCHEDULE 40 RISER BEND ENDING 12 INCHES ABOVE FINISHED GRADE.
- CONDUIT WILL BE BURIED A MINIMUM OF 30 INCHES MEASURED FROM FINAL GRADE. BEFORE DIGGING, PLEASE SCHEDULE FOR UTILITY LOCATES.
- A MINIMUM OF 12 INCHES OF WELL PACKED EARTH OR THREE INCHES OF CONCRETE IS REQUIRED BETWEEN PRIMARY POWER CIRCUITS AND TELEPHONE CONDUIT.
- ALL CONDUITS TO HAVE A MINIMUM 3/8 INCH NYLON PULL ROPE. ALL CONDUITS SHALL BE LEFT CLEAN, DRY AND FREE OF DEBRIS OR OTHER OBSTRUCTIONS. ALL VACANT OR STUBBED OUT DUCTS MUST BE SEALED WITH PLASTIC CAPS OR PLASTIC PLUGS.
- WALL TO WALL MEASUREMENTS WILL BE FURNISHED TO FRONTIER COMMUNICATIONS PRIOR TO ORDERING CABLE.
- CONDUIT TERMINATING IN A MANHOLE MUST BE ENCASED IN 2B CONCRETE FOR AT LEAST 15" OUTSIDE OF THE MANHOLE WALL TO MINIMIZE SHEARING ACTION FROM BACKFILL SETTLEMENT.

TELEPHONE SERVICE BOX REQUIREMENTS

- PROVIDE A WEATHER RESISTANT FLUSH MOUNTED TELEPHONE SERVICE BOX WITH A HINGED DOOR AND 3/4 INCH PLYWOOD BACKBOARD (FOR OUTDOOR APPLICATIONS).
- A MINIMUM 24" W X 36" L X 24" D PULL BOX IS REQUIRED FOR ALL CABLE PLACEMENT.
- PULL BOXES MUST HAVE 5/8" X 8" DRIVEN GROUND ROD LOCATED IN 1 CORNER 3" ABOVE THE GRAVEL BASE.
- BOX SHALL BE PLACED ON A 3" BASE OF GRAVEL FOR DRAINAGE PURPOSES.
- THE DEVELOPER/OWNER WILL FURNISH AND INSTALL A 4' X 8' X 1/2" PLYWOOD BACKBOARD. THE BACKBOARD MUST BE CLEAR OF ALL OBSTRUCTIONS, WITH A CLEAR PATH TO THE TELEPHONE CONDUITS. ANY UTILITY ROOM/CLOSET MUST HAVE 24/7 ACCESS.
- ALL INTERIOR WIRING WILL TERMINATE INSIDE THE TELEPHONE SERVICE BOX OR BACKBOARD.
- INSTALLATION OF PROTECTION/NID SHALL BE NO CLOSER THAN 12" FROM ELECTRICAL EQUIPMENT.

GROUND REQUIREMENTS

#6 AWG SOLID COPPER GROUND WIRE. THE GROUND WIRE IS TOP BE PLACED FROM A TELEPHONE SERVICE BOX TO THE ELECTRICAL GROUND SOURCE OR UFER GROUND, PROVIDING A COMMON BOND WITH A SEPARATE CLAMP. GROUND CONDUCTOR LENGTH NOT TO EXCEED 20' FROM AC POWER SVC.

CHARGES

- ANY RELOCATION OF EXISTING TELEPHONE FACILITIES WITHIN A PROJECT WILL BE AT THE EXPENSE OF THE DEVELOPER.
- SERVICE TO CONSTRUCTION TRAILERS OR MAKESHIFT OFFICES WILL BE CONSIDERED TEMPORARY ACCORDING TO CALIFORNIA PUC TARIFF RULE #34. ALL TEMPORARY SERVICES WILL BE PLACED AND REMOVED AT THE EXPENSE OF THE CUSTOMER.
- WHERE MORE THAN ONE DEMARCATION POINT IS REQUESTED BY A CUSTOMER, SECONDARY MPOE CHARGES MAY APPLY.