

SECTION 624 – UNDERGROUND UTILITY SYSTEMS

SECTION 624 – UNDERGROUND UTILITY SYSTEMS, is hereby made a new section of the specifications, superceding all previous editions and their modifications.

624.01, DESCRIPTION This work shall consist of the construction of cable telephone underground conduit systems, an underground television conduit system and a VTans underground conduit system. This work shall also include conduit termination in this specification.

All work described above shall be in accordance with these specifications and in conformity with the lines, grades, dimensions, locations and details shown on the plans or established by the Engineer. The terms "Duct" and "Conduit" are used interchangeably in this specification.

Verizon shall provide a full time inspector when necessary during excavation, installation and backfill operation. Prior to backfilling trenches the Contractor shall notify the Engineer and Verizon (tel. 802-263-0702). Inspections will be scheduled for the construction of the new conduit system location and depth. All work must be accepted by Verizon and the engineer. Non-complying construction will be brought into compliance as directed at the expense of the Contractor. It is the responsibility of the installer to notify the Engineer and Verizon prior to backfilling. If notice is not given, Verizon (though approval of the Engineer) shall have the right to require any or all work to be exposed for visual inspection at the expense of the Contract.

624.02, MATERIALS:

CATV Conduit: (size noted on the plans)
PVC Schedule 40 Heavy Wall Rigid Conduit, conforming to subsection 710.06 of Division 700 - Materials, and to NEMA Standard TC-2.

Verizon Conduit: (size noted on the plans)
PVC Schedule 40 Heavy Wall Rigid Conduit, conforming to subsection 710.06 of Division 700 - Materials, and to NEMA Standard TC-2.

Vermont Agency of Transportation Conduit: (size noted on the plans)
PVC Schedule 40 Heavy Wall Rigid Conduit, conforming to subsection 710.06 of Division 700 - Materials ,and to NEMA Standard TC-2.

Conduit Spacers: Interlocking high-density polyethylene module spacers for direct burial including base pad, base spacer, intermediate modules and module cap as required. Spacer systems to be used as noted on the plans. Other systems may be used subject to approval by the Engineer.

Controlled Density Fill - Excavatable: The Contractor shall be responsible for producing a mix design meeting the requirements of this section. Controlled density fill is to be batched at a ready mix plant and is to be used at a slump of approximately 10 to 12 inches. It shall be flowable, require no vibration and after it has been placed can be excavated by hand tools and/or small machines. Compressive strength at 28 days shall be a minimum of 30 psi and a maximum of 80 psi; compressive strength at 90 days shall be less than 200 psi. Materials shall meet the requirements of the following Sections of Division 700 - Materials.

Portland Cement	701.02
Portland-Pozzolan Cement	701.05
Fine Aggregate for Concrete	704.01
Air-Entraining Admixtures	725.02(b)
Water	745.01

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