

compressive strength of 5000psi has been attained. Units damaged by improper storing or handling shall be replaced by the Contractor at his/her expense.

Vaults shall be placed on approved level foundations as detailed on the plans or these specifications. The Contractor shall install the frame and cover. The conduit shall be brought into the vault as shown on the plans and as directed by the Engineer with concurrence of the utility company inspector.

Excavation for vaults shall be to the required depth and shall include 6" beneath the floor, and twelve (12) inches beyond the perimeter of the floor, for a level, compacted base of material specified on the plans.

All excavation shall be confined to as little surface area as possible, keeping within all applicable safety requirements.

All frame and covers shall be constructed to final grade unless otherwise directed by the Engineer.

At manhole and handhole locations, conduits shall maintain a minimum separation of at least 3 inches of clearance from the outside surfaces of the vault walls, floor or roof and power or other foreign conduits. A minimum of 12 inches of clearance shall separate gas, water, oil mains, etc. from the outside surfaces of vault walls, floor or roof.

541.09. METHODS OF MEASUREMENT. The quantity to be measured for payment will be the number of the type and size of precast concrete utility vaults specified, complete and accepted in place.

541.10. BASIS OF PAYMENT. Precast concrete utility vaults will be paid for at the contract unit price each for the type specified, which price shall be full compensation for detailing, fabricating, quality control testing, furnishing, transporting, handling and installing the material specified, including the concrete, reinforcement, manhole necks, manhole frames and covers, and any other material contained within, or attached to the unit(s), and the furnishing of all labor, tools, equipment, and incidentals necessary to complete the installation of the work specified including but not limited to, excavation and backfill.

Payment will be made under:

<u>Pay Item</u>		<u>Pay Unit</u>
541.21	Concrete Vault (Mod. - Telephone)	Each
541.21	Concrete Vault (Mod. - CATV)	Each