erty vide barricades, hs to either vehicular or pedestrian traffic shall be enclosed by fences suitable bridges. All trenches, material piles, equipment and pipe which may serve adequately lighted, to protect persons from injury and to avoid prop-. Where traffic must cross open trenches, the Contractor shall pro-All laws of the political subdivisions concerned shall as obstruc-

maintenance of all underground and surface obstructions The Contractor shall furnish temporary support, encountered in the progress of the work. structures, drains, sewers and other adequate protection and

purpose by the Contractor. and service stops. No valve or other control on the The owner will operate all valves, hydrants, blowexisting system shall be operated for any

The Work. All pipe, fittings, valves, and fire hydrants shall be carefy ered into the trench piece by piece by means of a derrick, ropes or other able tools or equipment, in such a manner as to prevent damage to water materials and protective coatings and linings. Under no circumstances water main materials be dropped or dumped into the trench. be provided and used for the safe and convenient prosecution of a derrick, ropes or other suithydrants shall be carefully low-

be kept plugged with bulkheads during construction. directed by firm and even bearing for the full length. AII pipes and fittings shall be clean when laid and open ends of pipe shall the Engineer. Precautions shall be Bell holes shall be excavated as taken to prevent Pipe shall be laid to floating.

sive strand shall be thoroughly hammered into the joint with suitable yarning Successive strands, oe properly seated in the bell of the next adjacent pipe and adjusted to give uniform annular space. The joint shall be made with approved asbestos rope treated paper rope of the proper dimension to center the spigot in the bell. Successive strands as required about 1. overstraining calked by competent workmen until thoroughly compacted and watertight without inches for 24, In joining all bell and spigot cast iron pipe and fittings, properly seated in the bell of the next adjacent pipe and adj the and shall be dammed with joint flush with the face runner lead for all pipes having a nominal diameter of 20 inches or less, 2-1/2 for 24, 30 and 36-inch pipe and 3 inches for all pipe over 36 inches. The A space of not less lead has cooled to the one continuous shall fit snugly the bells. as required, pour filling the entire than 2-1/4 inches in depth shall be left clay to and to the top of the against the face of the bell and the outside of the temperature of the pipe, lead joints shall be shall be driven home separately. form a pouring lip to provide for filling the top of the bell. Each joint shall be joint space with solid lead. the spigot shall Each succes-

lower ring shall by wire brushing to remove rust and foreign material. on joint prior to slipping the gasket on the spigot a the inside of the bell and the outside of the spigot shall be thoroughly cleaned tipped rubber distance All mechanical joint cast at all points gaskets and cast be brought toward the pipe flange evenly, points around the socket, until the joint iron pipe and fittings shall be joined using lead iron follower rings. Just before making the join spigot and into the bell. The fol-Just before making the joint, maintaining a