ITEM NO. 862
ABANDONMENT OF SANITARY SEWER MAIN AND MANHOLES

862.1 DESCRIPTION: This item shall govern the abandonment of sanitary sewer mains and manholes specified in the contract documents. Generally, sanitary sewer mains 15 inches or larger in diameter and all abandoned sanitary sewer manholes are to be filled with a cementious low strength material. The sanitary sewer facility shall be abandoned in accordance with the specifications outlined herein and in conformity with the limits shown in the contract documents.

Abandoning of sanitary sewer lines and manholes shall not occur until all existing sanitary sewer services have been transferred to another line and directed by the Inspector.

862.2 SUBMITTALS: Contractor shall submit manufacturer’s product data, instructions, and recommendations.

862.3 MATERIALS: Materials for abandonment of sanitary sewer pipe and manholes.

1. Sanitary Sewer Pipe: A cement-based grout shall be used to fill the void of the existing sanitary sewer main. The grouting material must have strength of at least 100 psi, and shall have flow characteristics appropriate for filling a sanitary sewer main. The grout mix designed and method of installation shall be approved by the Engineer prior to beginning operation.

2. Material for Abandoning Manholes: The sanitary sewer manhole shall be filled to the top of the remaining concrete structure with the same material used to abandon the sanitary sewer main.

862.4 CONSTRUCTION: Abandonment of sanitary sewer lines shall be accomplished by installing the grout material with sufficient pressure and in numerous locations. The method of installation shall be able to meet the requirement of completely filling the existing sanitary sewer main and any voids adjacent to it. The method shall adequately provide for the removal and legal disposal of existing sewer materials in the system. The method shall provide for the release of air. When intermediate points are required to be constructed for the abandonment of the system, they shall be a part of the abandonment project process.

Sanitary sewer main that are smaller than 15 inches in diameter are generally not required to be grouted unless it is specified in the contract documents. Mains to be abandoned shall be grouted only if required by the contract documents and
payment as per these specifications is provided.

The concrete structure of the manhole shall be removed to a depth of 2 feet under proposed subgrade or finished ground elevation. Manhole rings and covers shall be removed and delivered to a facility within the limits of San Antonio designated by the Inspector.

862.5 **MEASUREMENT:** Grouting of abandoned sewer lines shall be measured by linear foot. Grouting of abandoned manholes shall be measured on the basis of each one complete in place.

862.6 **PAYMENT:** Payment for abandoning sewer lines shall be made on the contract unit price per linear foot complete in place. Said price shall be full compensation for furnishing all materials, labor, equipment, tools and incidentals necessary to complete the work. Unless otherwise shown in the contract documents, abandonment/grouting of manholes will not be a separate pay item.

- End of Specification -