ASTM C857 PRACTICE FOR MINIMUM STRUCTURAL DESIGN LOADING FOR UNDERGROUND PRECAST UTILITY STRUCTURES

> This reference provides the designer with loads and how to apply them. Much of the information is identical to AASHTO highway specifications. It was written for structures that are frequented by humans, i.e., telephone or electric handholes.

ASTM C858 SPECIFICATION FOR UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURES

> This reference used by both specifier and designer outlines minimum requirements for the underground structures used by the utility industry.

ASTM C890 PRACTICE FOR MINIMUM STRUCTURAL DESIGN LOADING FOR MONOLITHIC OR SECTIONAL PRECAST CONCRETER WATER AND WASTEWATER STRUCTURES

> This reference is almost identical to C857 but was written for structures that store liquids.

ASTM C891 PRACTICE FOR INSTALLATION OF UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURES

> This reference provides guidelines to successfully installing utility structures. It can apply to other underground structures as well.

ASTM C913 SPECIFICATION FOR PRECAST CONCRETE WATER AND WASTEWATER STRUCTURES

> This reference provides the designer with guidelines for structures containing liquids. Tables in the appendix provide an easy design for rectangular structures.

ASTM C915 SPECIFICATION FOR PRECAST REINFORCED CONCRETE CRIB WALL MEMBERS

> This reference provides dimensional requirements and installation data for earth retaining structures.

ASTM C923 SPECIFICATION FPR RESILIENT CONNECTORS BETWEEN REINFORCED CONCRETE MANHOLE STRUCTURES, PIPES AND LATERALS

> This reference covers the minimum requirements for resilient connectors and test methods to prove that they work. Written mainly for the sewer manhole, this specification can also be used for other types of structures.

ASTM C1037 PRACTICE FOR INSPECTION OF UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURES

> This reference provides guidelines to anyone responsible for final inspection or acceptance of underground structures.