CODES & STANDARDS FOR “DRAINAGE DESIGN”

Following are key codes & standards to remember for Civil Estimators to prepare the tender/bid proposal in correct manner.

Codes & Standards are published documents that establish specifications and procedures designed to ensure the reliability of the materials, products, methods, and/or services use in construction industry.

These Codes & Standards also make it easier to understand and compare competing products.

AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE)

ASEC Manual of Practice No. 77

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL HIGHWAY ADMINISTRATION (FHWA)

FHWA-EPD-86-102 Design Charts for Open Channel Flow (Hydraulic Design Series No. 3)

FHWA-NHI-01-019 Introduction to Highway Hydraulics (Hydraulic Design Series No. 4)

FHWA-NHI-01-020 Hydraulic Design of Highway Culverts (Hydraulic Design Series No. 5)

FHWA-NHI-01-021 Urban Drainage Design Manual (Hydraulic Engineering Circular No. 22)

BRITISH STANDARDS (BS)

BS EN 752 Drain and Sewer Systems Outside Buildings

BS EN 1295-1 Structural Design of Buried Pipelines Under Various Conditions of Loading – General Requirements

BS EN 1610 Construction and Testing of Drains and Sewers

INTERNATIONAL ORGANISATION FOR STANDARDIZATION (ISO)

ISO 9001 Quality Management Systems -Requirements

ISO 9004 Quality Management Systems – Guidelines for Performance Improvements