CHAPTER 21-3  CIVIL/STRUCTURAL GUIDELINES

21-3.1 INTRODUCTION

A. Purpose

The purpose of this chapter is to convey to the architect/engineer (A/E), Indian Health Service (IHS) staff, and tribal staff, both general and specific guidelines regarding civil/structural design features required for IHS health care facilities and quarters projects including tribal health care facilities.

B. Scope

The scope of this chapter includes all special-purpose type construction required by IHS components, including health care facilities and quarters.

C. Codes and Standards

Design shall comply with:


(3) Executive Order 12941 dated December 1, 1994, Seismic Safety of Existing Federally Owned or Leased Buildings.

(4) State, local and tribal codes and ordinances. (If this represent a major cost impact, advise the IHS contracting officer and/or tribal contracting officer).

(5) Rules and regulations of the local utility companies.

(6) The applicable standards of the following organizations:

AASHTO  American Association of State Highway and Transportation Officials
ACI      American Concrete Institute
AISC     American Institute of Steel Construction
AITC     American Institute of Timber Construction
ANSI     American National Standards Institute
ASSE     American Society of Sanitary Engineers
This chapter contains major civil/structural design guidelines. However, problems arising from specific project conditions not covered herein shall be resolved through the exercise of sound design practice and reference to recognized standards compatible with those delineated in this chapter.

21-3.2 FLOODPLAIN CRITERIA

A. Purpose

This section provides guidelines in ensuring that Indian Health Service (IHS) health care facilities and quarters comply with the National policy on floodplain management to minimize the adverse effects to the public caused by flooding.

B. Reference Standards


21-3.3 STORM WATER DISCHARGES FROM CONSTRUCTION SITES

A. Purpose

This section provides guidelines in developing pollution prevention plans to comply with the National Pollutant Discharge Elimination System (NPDES) for storm water discharges from construction sites.

B. Reference Standards

The Environmental Protection Agency’s (EPA) Storm Water Management For Construction Activities, Developing Pollution Plans and Best Management Practices, Summary Guidance, EPA 833-R-92-001 October 1992, will apply to all Indian Health Service health care facilities and quarters construction.