Subject: Design of Surface Drainage Facilities

Applicability: Directive

1. This ECB replaces previous criteria for design of surface drainage facilities on Army installations with Federal Aviation Administration (FAA) Advisory Circular (AC) 150-5320-5C, Surface Drainage Design, 29 September 2006, which supersedes the following:

   a. TM 5-852-7, Surface Drainage Design for Airfields and Heliports in Arctic and Subarctic Regions, Change 1, 1 Apr 1988

   b. UFC 3-230-15FA, Surface Drainage Facilities for Airfields and Heliports, 16 Jan 2004

   c. UFC 3-230-16FA, Drainage and Erosion Control Structures for Airfields and Heliports, 16 Jan 2004

   d. UFC 3-230-17FA, Drainage in Areas Other Than Airfields, 16 Jan 2004

2. Criteria stated in AC 150-5320-5C is mandatory for all Army airfield projects.

3. Advisory Circular 150-5320-5C, Surface Drainage Design, is available at www.faa.gov. This circular also provides information and procedures for determining data used in conjunction with UFC 3-230-06A, Subsurface Drainage, for developing subsurface drainage requirements. AC 150-5320-5C and UFC 3-230-06A will be used for Army and Air Force projects per this ECB and Air Force ETL 08-6 (http://www.wbdg.org/ccb/AF/AFETL/etl_08_6.pdf).

4. In the near future, updated criteria for subsurface drainage design will be incorporated in the next revisions of UFC 3-250-01FA, Pavement Design for Roads, Streets, Walks, and Open Storage Areas, and UFC 3-260-02, Pavement Design for Airfields, to eliminate UFC 3-260-06A.

5. Point of contact for this ECB is Paul Dicker, CECW-CE-D, 202-761-0995. Technical proponent is Dan J. Boyer, USACE Transportation Systems Center, 402-995-2401, dan.j.boyer@usace.army.mil.

///S///
JAMES C. DALTON, P.E.
Chief, Engineering and Construction
Directorate of Civil works