



**US Army Corps  
of Engineers®**

# ENGINEERING AND CONSTRUCTION BULLETIN

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**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](http://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](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.
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