



**US Army Corps  
of Engineers®**

# ENGINEERING AND CONSTRUCTION BULLETIN

**No.** 2016-10

**Issuing Office:** CECW-CE

**Issued:** 05 Apr 16

**Expires:** 05 Apr 18

**SUBJECT:** TechNotes: Purple Pipe, Rainwater Harvesting, Phase Change Materials, Green Roof, and Permeable Pavement.

**CATEGORY:** For Information.

## 1. **References:**

a. Unified Facilities Criteria (UFC) 1-200-02, High Performance and Sustainable Building Requirements, 7 November 2014.

b. Memorandum, ASA (IE&E), Sustainable Design and Development (SDD) Policy Update, 16 December 2013.

2. **Purpose.** This Engineering and Construction Bulletin (ECB) announces the publication of five new TechNotes on sustainable technologies: Purple Pipe, Rainwater Harvesting, Phase Change Materials, Green Roof, and Permeable Pavement.

3. **Background.** TechNote documents are developed as a U.S. Army Corps of Engineers (USACE) initiative to capture and disseminate information on design and construction of sustainable technologies to meet requirements of UFC 1-200-02 (Reference a) and SDD Policy Update (Reference b). TechNotes exist as short guides with pertinent information about technologies including content such as project application, design strategies, product information, specifications, supporting compliance with Guiding Principles and Federal Mandates, relative costs, case study examples, etc.

4. **Access.** These documents are stored on Whole Building Design Guide within the Army/COE Criteria section of the Documents Library at [http://www.wbdg.org/ccb/browse\\_cat.php?c=266](http://www.wbdg.org/ccb/browse_cat.php?c=266). The USACE Centers of Expertise in Sustainability (CXS) maintain and update TechNotes for changes in the market and technologies. CXS for specific technologies may be contacted for reimbursable support on projects to implement sustainable technologies and processes. See the USACE sustainability webpage for more information and contact e-mail addresses for each CXS <http://www.usace.army.mil/Missions/Sustainability.aspx>.

5. **Point of Contact.** HQUSACE point of contact for this ECB is Kelli Polzin, CECW-CE, (202) 761-8900

Encls

//S//

JAMES C. DALTON, P.E.  
Chief, Engineering and Construction  
U.S. Army Corps of Engineers