



Baseline Document Change Announcement

NJDOT Design Manual – Roadway (English)

BDC09MR-05

July 26, 2011

**SUBJECT: Incorporation of the Drainage Design Manual into the Design Manual—
Roadway as Section 10, Drainage Design and Revisions**

The Department has reincorporated the Drainage Design Manual into the Design Manual--Roadway as Section 10, Drainage Design. In addition, SME revisions are included.

BDC09MR-04 and BDC06MR-02 are superseded.

The current Drainage Design Manual is superseded with the attached Section 10, Drainage Design.

A summary of major revisions is as follows.

- Corrugated Metal and Steel pipe criteria are removed. Ductile Iron Pipe (DIP) is added.
- Stream Encroachment Permit is changed to NJDEP Flood Hazard Area Permit.
- NJDEP Technical Manual for Land Use Regulation Program, Bureau of Inland and Coastal Regulations, Stream Encroachment Permits is changed to NJDEP Technical Manual, Flood Hazard Area Control Act Rules (draft version).
- **Section 10.1.3, Design Procedures**
 - Paragraph F, part1 is revised to include for Quality and Ground Water Recharge
- **Subpart 10.2.2 Storm Water Management and Non Point Source Pollution Control**
 - Is augmented to include a Drainage Permit Check List for Access (Developers)
- **Subpart 10.2.6 Regulatory Requirements**
 - Second paragraph is revised
- **Subpart 10.2.7 Stream Encroachment is renamed to Flood Hazard Area (Stream Encroachment)**
 - The fourth and fifth paragraphs are revised. A new paragraph and Table 10-2A, Maximum Allowable Disturbance to Riparian Zone Vegetation, are added at the end of this subpart
- **Subpart 10.3.2 Selection of Hydrologic Methods**
 - The note at the end of this subpart is revised
- **Subpart 10.5.6 Inlets**
 - First paragraph is revised
- **Subpart 10.5.12, Snow Melt Control**
 - Paragraph A is revised

- **Subpart 10.6.2 Criteria for Storm Drains**
Paragraphs C, F, H and M are revised
- **Subpart 10.8.8 Fish Passage**
Is changed to Aquatic Species (Including Fish) Passage and the current figure is replaced with Figures 10-J1 and 10-J2
- The Figure 6-1(old) “ALLOWABLE PIPE MATERIAL LOCATIONS” is deleted since the metal and steel pipe criteria is removed, therefore, Concrete, Aluminum Alloy and HDPE pipe may be used throughout the state.

Implementation Code R (ROUTINE)

Instructions to Designers

Changes must be implemented in all applicable Department projects scheduled for Final Design Submission at least one month after the date of the BDC announcement. This will allow designers to make necessary plan, specifications, and estimate/proposal changes without requiring the need for an addenda or postponement of advertisement or receipt of bids.

Recommended By:

Original signed by

Walter McGrosky
Director,
Capital Program Support

Approved By:

Original signed by

Richard T. Hammer
Assistant Commissioner,
Capital Program Management

Attachment: Design Manual – Roadway, Section 10 (hard copies available upon request from Engineering Documents Unit—phone number (609) 530-5587)