

## Chapter 5

### Drainage Map and Bridge Hydraulic Recommendation Sheet

The following are changes, additions or deletions to the January 2003, Topic #625-000-007, Plans Preparation Manual (PPM) – English, for use on Turnpike projects only:

#### 5.1 Drainage Map

*Add the following paragraph*

Drainage Maps are required for all projects, except milling and resurfacing unless otherwise directed. Maps shall be developed using aerial base and shall appear in phased submittals through the Phase IV submittal. The Final Submittal shall include the Drainage Maps in line and symbol topography with no aerial background in accordance with this chapter.

##### 5.1.1 Plan Portion

*Add the following as item #8*

8. General location of landfills or contamination sites should be indicated on the plan view of the drainage maps. Include a drainage map note to describe known details of site and potential for restrictions to construction methods.

#### EXHIBIT 5-1 - Drainage Map Notes

*Add the following item #3*

3. Place the following information note on the drainage map when plan elevations are given in NAVD 1988 Datum. (The X.XX value below is the conversion between NGVD '29 and NAVD '88 for the project location. (It may vary for the length of long projects. Add note as appropriate.)

If the conversion is negative, suggest showing the NGVD '29 value as **0.00** and the NAVD '88 as a positive number. The YY.YY below is relative to the conversion.)

**NOTE:**

All elevations are NAVD '88 Datum  
(NAVD '88 EL 0.00 = NGVD '29 EL X.XX)

For Example: 15.98 shown in plans is equal to YY.YY  
NGVD '29