

Chapter 11

Special Profiles

The following are changes, additions or deletions to the January 2012, Topic #625-000-008, Plans Preparation Manual (PPM) - English, for use on Turnpike projects only:

11.8 Treatment/Attenuation Swales

Add the following section

The following labels shall be used to locate and identify treatment swales in the profile view of the plans:

Begin Treatment/Attenuation Swale Sta. 99+99 Left (or Right)

End Treatment/Attenuation Swale Sta. 108+46 Left (or Right)

Construct Ditch Block; Sta. 99+99 Left (or Right); Top Elevation 10.30

Begin Treatment/Attenuation Berm Sta. 99+99 Left (or Right); Top Elevation 10.50

End Treatment/Attenuation Berm Sta. 108+46 Left (or Right); Top Elevation 10.50

For plan sets that do not have a profile view, the stations and elevations above shall be summarized in a table that uses the same naming convention. Suggested formats are shown below.

Summary of Treatment/Attenuation Swale Locations				
Begin Station	Begin DPI	End Station	End DPI	Side
99+99	10.30	108+46	10.30	Left
103+02	10.70	106+53	10.20	Right
107+98	9.45	110+78	9.00	Right

Summary of Ditch Blocks		
Station	Side	Top Elev.
99+99	Left	10.30
100+02	Right	11.25
123+56	Left	9.70

Summary of Treatment/Attenuation Berm Locations				
Begin Station	Begin Top Elev.	End Station	End Top Elev.	Side
99+99	12.30	108+46	12.30	Left
103+02	13.00	106+53	12.50	Right

Note that Treatment/Attenuation Berm Locations need only be specified when a special longitudinal berm is to be constructed above natural ground in order to increase storage in the swale. Where the outside boundary of the treatment/attenuation swale is the intersection between the backslope and natural ground, the drainage engineer will ensure that the design high water does not exceed the elevation of the intersection point and no special berm information is necessary in the plans. See Exhibit 10-1 for a list of General Notes required.