

Chapter 11

Special Profiles

The following are changes, additions or deletions to the January 2014, Topic #625-000-008, Plans Preparation Manual (PPM), for use on Turnpike projects only.

Add the following section

11.8 Treatment/Attenuation Swales

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 1 foot below 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.