



**NOTE:**

THIS SECTION MAY ONLY BE USED WHEN ALL OF THE FOLLOWING CONDITIONS ARE MET:

1. STREET IS EITHER A CUL-DE-SAC OR RESIDENTIAL LOOP WITH LOW AVERAGE DAILY TRAFFIC.
2. STREET IS DESIGNATED TO BE WITH BINDER CURB AS SHOWN DURING APPROVAL PROCESS.
3. STREET VERTICAL GRADE SHALL NOT EXCEED 5% AT ANY POINT.
4. SWALE SYSTEM DESIGNED TO CARRY AT LEAST THE 10 YEAR STORM.
5. VELOCITY WITHIN THE SWALE SHALL BE NON-EROSIVE.
6. DETAILED DRAINAGE CALCULATIONS REQUIRED.

REVISIONS	
DATE	DESCRIPTION

TOWN OF KNIGHTDALE  
STANDARD DETAILS

STANDARD SHOULDER SECTION  
WITHOUT CURB & GUTTER

STD. NO.

3.10