**SHOULDER**

- Surface Base
- Selected topping (where required)
- See View "A"

**CURB AND GUTTER**

- Surface Base
- Selected topping (where required)
- Utility Area
- See View "A"

*Adjust depth to meet field conditions

**FLAT BOTTOM DITCH**

- See View "B"

**VEE DITCH**

- See View "B"

**NOTES:**

1. Location of pipe underdrains may be adjusted by the CD.
2. Minimum underdrain grade is 0.5 percent.

**VIEW A**

- 12" lap
- 5' min.
- Impervious material
- Granular backfill material for underdrains encapsulated with Geosynthetic, Class 2, Type C
- Underdrain dia (D)

**VIEW B**

- Diameter (D) | Minimum Width (W)
- 4" | 12"
- 6" | 15"