



| SYM | W_O (ft) | Q (ft ³ /s) | V_{AVE} (ft/s) | TW (ft) |
|-----|---------------|---------------------------|---------------------|------------|
| □ | 1.44 | 23 | 15.09 | 1.61 |
| □ | 1.44 | 14 | 10.30 | 1.61 |
| ○ | 3.08 | 65 | 9.29 | 3.08 |
| ● | 3.08 | 84 | 11.91 | 3.08 |
| ▽ | 1.44 | 21 | 14.01 | 1.25 |
| ▽ | 1.44 | 14 | 9.29 | 1.25 |

Note: To be used for predicting channel velocities downstream from culvert outlets where high tailwater prevails. Velocities obtained from use of this figure can be used with Figure 2 of HEC 11 for sizing rip rap. (Do not use Fig of HEC 11: use Mean Velocity Values.)

DISTRIBUTION OF CENTERLINE VELOCITY FLOW FROM SUBMERGED OUTLETS

Figure 34-8D