**Figure 4020.211**

**CASE A**
- **TYPE 1**
- 6" Pipe
- 1'-0" Backfill Material
- 12" min.
- Engineering Fabric (when specified)
- Porous Backfill Material

**CASE B**
- **TYPE 1**
- 6" Pipe
- 12" min.
- 2'-0" min.
- Backfill Material
- Subbase Material
- Engineering Fabric (when specified)
- Porous Backfill Material

**CASE C**
- **TYPE 1**
- 6" Pipe
- 12" min.
- 2'-0" min.
- Backfill Material
- Subbase Material
- Engineering Fabric (when specified)
- Porous Backfill Material

**CASE D**
- **TYPE 2**
- Pipe Diameter as Specified
- Depth (varies)
- 6" min.
- 6" min.
- 1'-0" Backfill Material
- Engineering Fabric (when specified)
- Porous Backfill Material

**CASE E**
- **TYPE 2**
- Pipe Diameter as Specified
- Depth (varies)
- 4" min.
- 6" min.
- 2'-0" min.
- Backfill Material
- Subbase Material
- Engineering Fabric (when specified)
- Porous Backfill Material

**Subdrains**

Type 1 installation is for longitudinal subdrain only. Type 2 installation is for combination subdrain/footing drain collectors.

1. Place perforations down for all installations.
2. When concrete pipe is specified, wrap pipe joints with engineering fabric. Do not apply joint sealant. Comply with Figure 4020.211