**Urban Edge Drain Placement**

**Geotextile Detail**

**Concrete Apron and Rodent Protector Detail**

**Sketches**

- **Section A-A**
- **Plan View**
- **Isometric View**
- **Top View**
- **Side View**
- **Front View**

**Notes**

1. Provide corrugated polyethylene drainage tubing in accordance with 706.10 or Class PS-46 polyvinyl chloride (PVC) pipe in accordance with 706.14.
2. Minimum 0.5 percent pipe grade edge drain gradients may be as flat as 0.2 percent if pipe diameters greater than 6 inches are used.
3. Place outlet pipes in 10 foot long corrugated steel pipe sleeves extending from the concrete apron. Use pipe just large enough to allow the outlet pipes to fit through concrete apron and rodent protectors. Provide removable rodent screen.
4. Use couplings to join pipes. Minimize edge drain and outlet pipe joints.
5. Provide 6 inch minimum freeboard between the edge drain and outlet pipe outlet. Where this is not practical, provide a collection and disposal system.
6. Use couplings to join pipes. Minimize edge drain and outlet pipe joints.
8. Inspect finished edge drain and outlet pipes. Replace damaged pipe.
9. Drawing not to scale.

**Edges**

- 10" MIN.
- 8" MIN.
- 4" MIN.

**Materials**

- Geotextile, Type III
- Subgrade separation
- Precast or cast-in-place concrete apron and rodent protector
- Rodent screen
- Guide detail
- Removable rodent screen detail

**Dimensions**

- 20" MIN.
- 16" MIN.
- 4" MIN.
- 8" MIN.
- 4" or 6" DIA.
- 16 GAUGE GALVANIZED STEEL