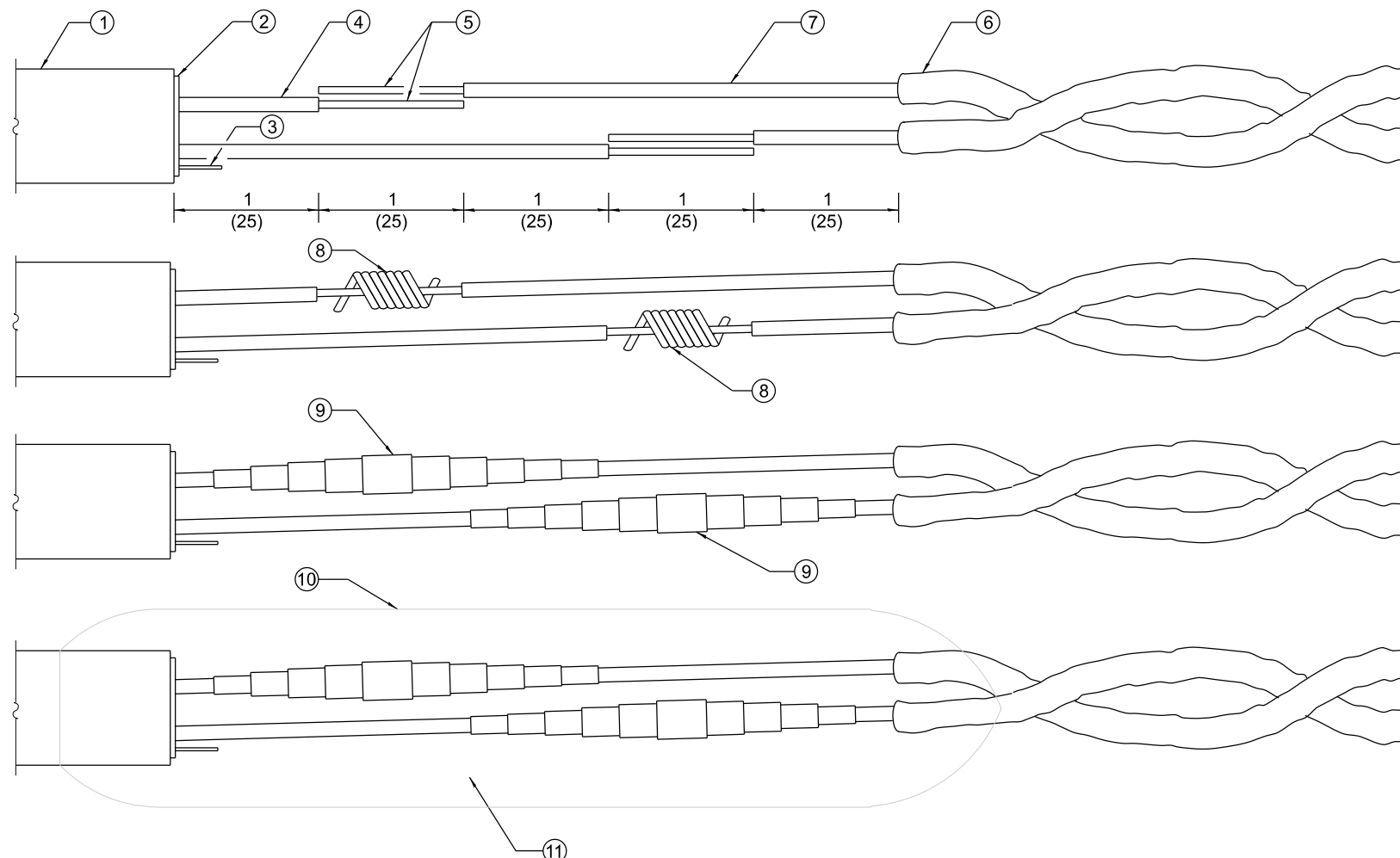
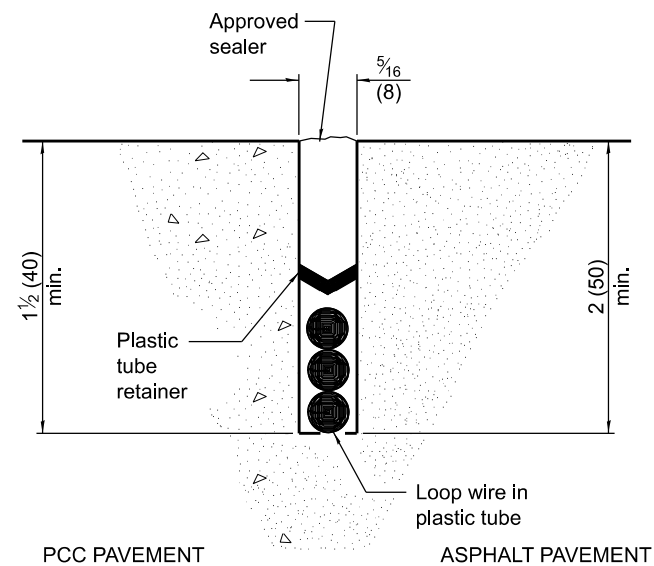


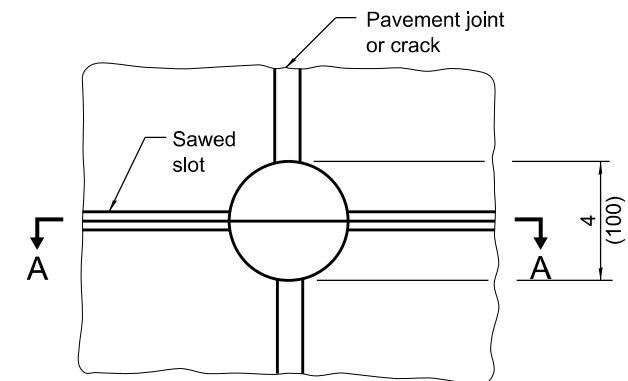
**DETECTOR LOOP LEAD-IN**



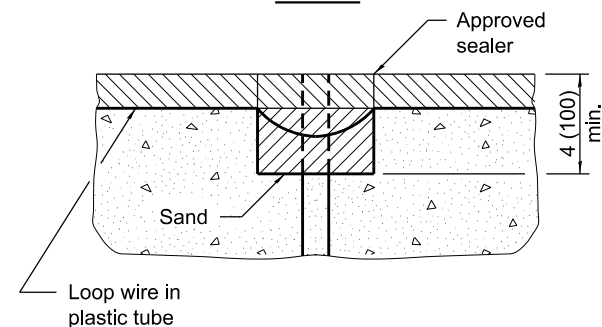
**LOOP WIRE AND LEAD-IN CABLE SPLICE**



**DETECTOR LOOP INSTALLATION**



**PLAN**



**SECTION A-A**

NOTE  
Loop wire shall follow saw cut to bottom, forming slack section at joint.

**DETECTOR LOOP AT PAVEMENT JOINT OR PAVEMENT CRACK**

- ① = Lead-in cable (single pair or multipair)
- ② = Lead-in cable shield
- ③ = Lead-in cable shield drain-wire
- ④ = Lead-in cable insulated conductor
- ⑤ = Bare conductor
- ⑥ = Loop wire in tube
- ⑦ = Loop wire insulated conductor
- ⑧ = Twisted and resin soldered conductor
- ⑨ = Electrical tape insulated splice
- ⑩ = Rigid mold
- ⑪ = Waterproof and dielectric resin

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

APPROVED January 1, 2009  
ENGINEER OF OPERATIONS

APPROVED January 1, 2009  
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-02

DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-02	Renum. Standard 846001.

## DETECTOR LOOP INSTALLATIONS

**STANDARD 886001-01**