



**NOTE:**

The underdrain shall be installed in accordance with Special Provision for PIPE UNDERDRAINS.

The trench shall be cut to the dimensions shown unless otherwise directed by the Engineer.

Bedding material shall be placed in the bottom of trench to allow for leveling of the pipe and then placed to springline of pipe.

The trench shall be lined with geotechnical fabric in accordance with Articles 601.06 and 1080.05 of the IDOT Specifications. Both sides of the fabric shall overlap at the top full width of the trench.

The pipe sections shall be joined securely with the appropriate coupling fittings or bands. The perforated PVC pipe shall be placed with perforations down. The pipe shall be encased in a geotechnical fabric sock.

The trench shall be backfilled with washed CA-16.

The Engineer is to determine the location of all underdrain outfalls. When required a tee connection shall be used as shown on the detail.

In areas where the road profile is relatively flat and no definite low point in the profile occurs, outlets shall be provided to every drainage structure along its length for edge drains and to the nearest catchbasin for transverse underdrains as shown in the above details.

The invert of the pipe underdrain shall be higher than the connection to the outfall drainage structure to provide positive drainage flow through the pipe.

The bedding material, porous granular backfill, filter fabric, and tee connections will not be paid for separately but shall be considered incidental to the unit price per linear FOOT for PIPE UNDERDRAINS, PERFORATED POLYVINYL CHLORIDE (PVC) PIPE, 6 INCHES.

NOT TO SCALE

REVISION		STANDARD D-70	
DATE	COMMENT	COUNTY OF COOK DEPARTMENT OF HIGHWAYS	
04-06-12 - MK	Backfill CA-16 Bedding FA-1 or FA-2	PERFORATED (PVC) PIPE 6 INCH UNDERDRAIN	
08-13-12 - MK	Refer to SP Pipe Underdrains	COMPLETED	MAL
		DRAWN	MAL
		CHECKED	SDR
		APPROVED	February 25, 2010
		ROBERT F. MACK, P.E., CFM MANAGER AND V.P. TRAFFIC DESIGN	