

St'd. UD-2 underdrains are to be located under raised grass medians at locations discussed at field inspection and recommended by the Materials Division.

St'd. UD-2 underdrains are to be depicted on the plans as described for St'd. UD-1 underdrains. Care must be taken to insure proper treatment of drainage at the outlet end of the system.

St'd. UD-3 Sidewalk Underdrains are to be provided as determined at the project Field Inspection.

St'd. UD-4 or UD-5 pavement edgedrains will be provided, where recommended, to provide drainage for pavement subbase, in addition to St'd. UD-1's as recommended at F.I.

St'd. CD-1 underdrains are to be located where the proposed grade passes from a cut to a fill condition. They are to be placed only in cuts of appreciable length and in downgrade situations as shown in VDOT's [Road and Bridge Standards](#). They are to be depicted as described for St'd. UD-1 underdrains.

St'd. CD-2 underdrains are to be placed in sag fill situations and at bridge approach slabs as indicated in VDOT's [Road and Bridge Standards](#). They are to be depicted as described for Standard UD-1 underdrains.

Underdrains are to be provided in ramp gore areas to collect subsurface water on down grade situations as described in the VDOT [Drainage Manual](#), Chapter 15 (DDM5)

St'd. EW-12 is to be used at the outlet ends of all St'd. CD's and UD's which do not tie to other drainage structures.

DEMOLITION OF EXISTING PAVEMENT AND OBSCURING ROADWAY

“Demolition of Pavement” is defined as removal of existing pavement structures.

The designer will gather the existing pavement data needed for demolition of pavement. This information will be shown on the summaries or typical sections and denoted on each existing roadway using the symbol for demolition of pavement (hatching). The existing pavement data will consist of the following information:

- Type of existing pavement structures for all areas to be demolished (i.e cement stabilized, hydraulic cement concrete, asphalt concrete pavement and shoulder structure courses or combinations thereof).
- Limits, width, including 1 foot extension of pavement structures, if applicable, and depth (depth of pavement structures to include cement stabilized subgrade if present).*

* Rev. 7/14