SHOULDER

SELECTED TYPING (WHERE REQUIRED)

See View A

Ditch
Shoulder
Traveled lane

Curb
Utility Area

CURB AND GUTTER

SELECTED TYPING (WHERE REQUIRED)

See View A

Ditch
Shoulder
Traveled lane

FLAT BOTTOM DITCH

See View B

Ditch
Shoulder
Traveled lane

VEE DITCH

See View B

Ditch
Shoulder
Traveled lane

NOTES:
1. Location of pipe underdrain may be adjusted as approved by the CO.
2. Ensure minimum grade of underdrain is 0.5 percent.

* Adjust depth to meet field conditions as approved by the CO.

Granular backfill material for underdrains, encapsulated with Geotextile, Class 2, Type C

Impervious material

Underdrain pipe diameter (D)

VIEW A

VIEW B

DIAMETER (D)  MINIMUM WIDTH (W)

4"  12"

6"  15"

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

EFLHD DETAIL
UNDERDRAIN, FOR PAVEMENT AND DITCHES

NO SCALE

DETAIL: E605-01
APPROVED: MAY 2011
REVISED: SEPTEMBER 2020