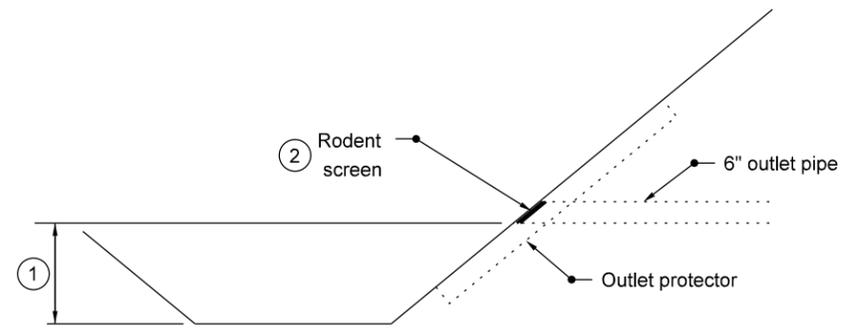
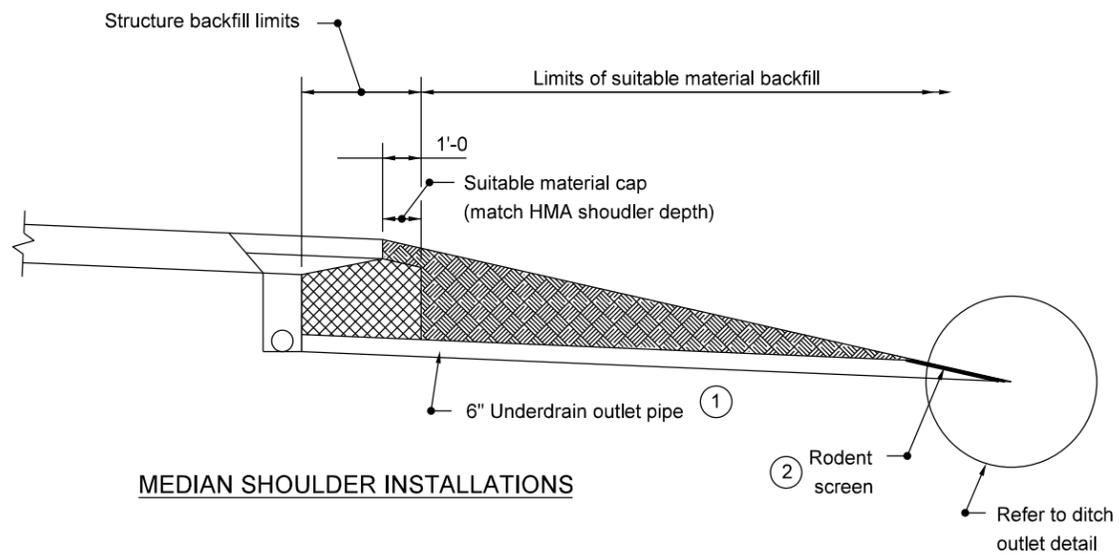


OUTSIDE SHOULDER INSTALLATIONS

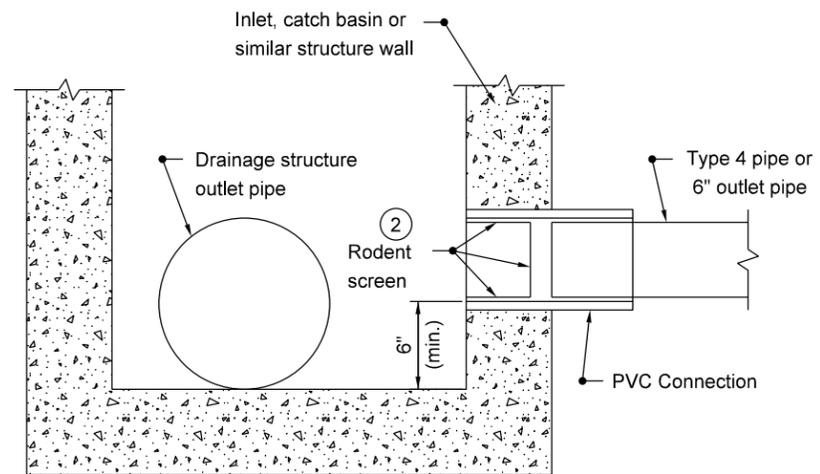


DITCH OUTLET DETAIL

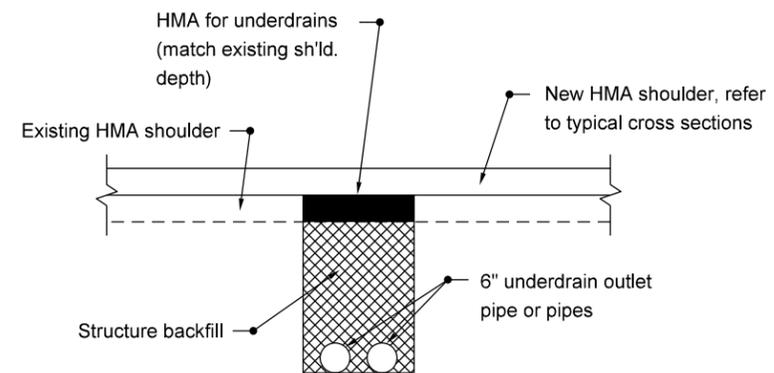
NOTE:
1. See Standard Drawing E 718-UNDR-07 for General Notes.



MEDIAN SHOULDER INSTALLATIONS



DRAINAGE STRUCTURE OUTLET DETAIL



RETROFIT UNDERDRAIN OUTLET DETAIL (UNDER PAVED SHOULDER)

INDIANA DEPARTMENT OF TRANSPORTATION

UNDERDRAIN DETAILS

SEPTEMBER 2009

STANDARD DRAWING NO. E 718-UNDR-02



DESIGN STANDARDS ENGINEER

/s/ Richard L. VanCleave 09/01/09
DESIGN STANDARDS ENGINEER DATE

/s/ Mark A. Miller 09/01/09
CHIEF HIGHWAY ENGINEER DATE