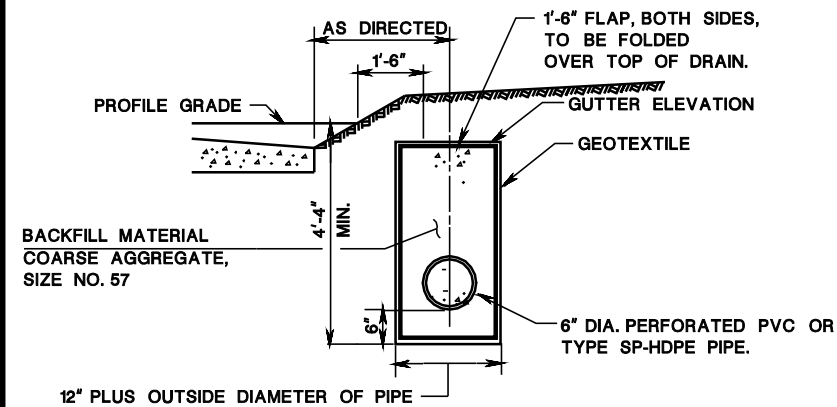


UNDERDRAIN IS SHOWN PARALLEL TO THE EDGE OF PAVEMENT, BUT MAY BE USED IN OTHER LOCATIONS IF SO DIRECTED BY THE R.E..



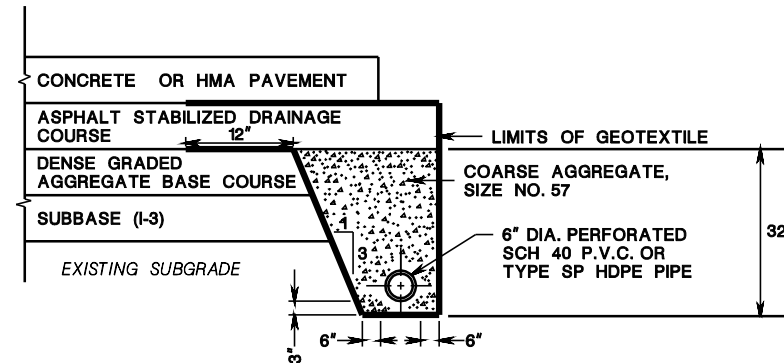
UNDERDRAIN TYPE F

CD-601-1.1

NOTES:

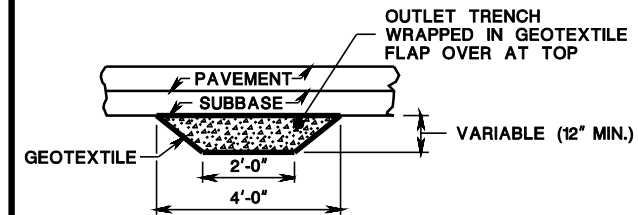
AFTER PLACING ASPHALT STABILIZED DRAINAGE COURSE, OVERLAP WITH GEOTEXTILE TO PROTECT THE EXPOSED SURFACE.

THE 6" DIA. PERFORATED PIPE SHOULD BE AT LEAST 12" BELOW THE LOWEST COURSE EITHER DENSE GRADED AGGREGATE BASE COURSE OR SUBBASE, DESIGNATION I-3.



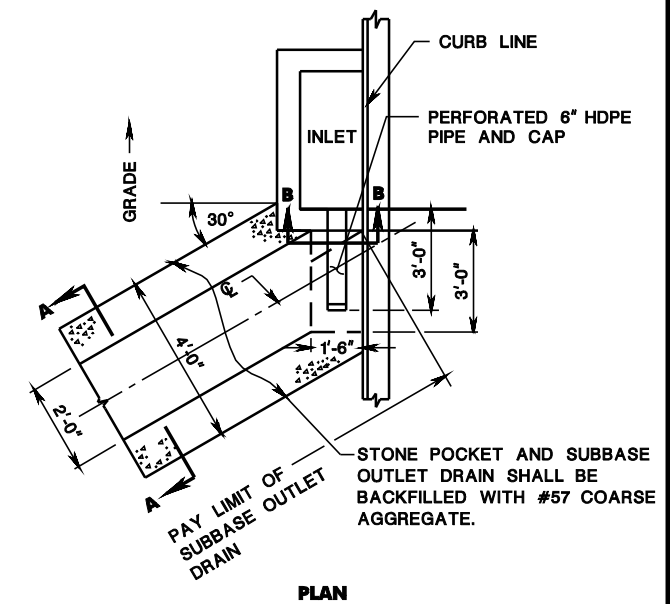
UNDERDRAIN TYPE X

CD-601-1.2



SUBBASE OUTLET DRAIN

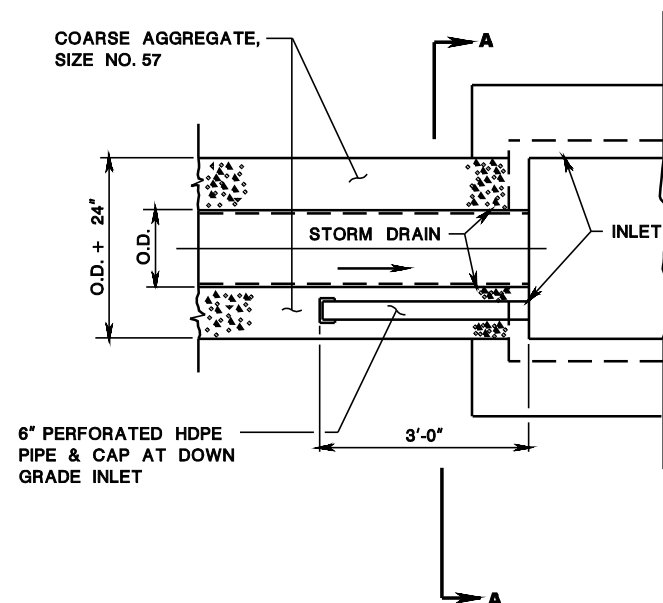
CD-601-1.3



PLAN

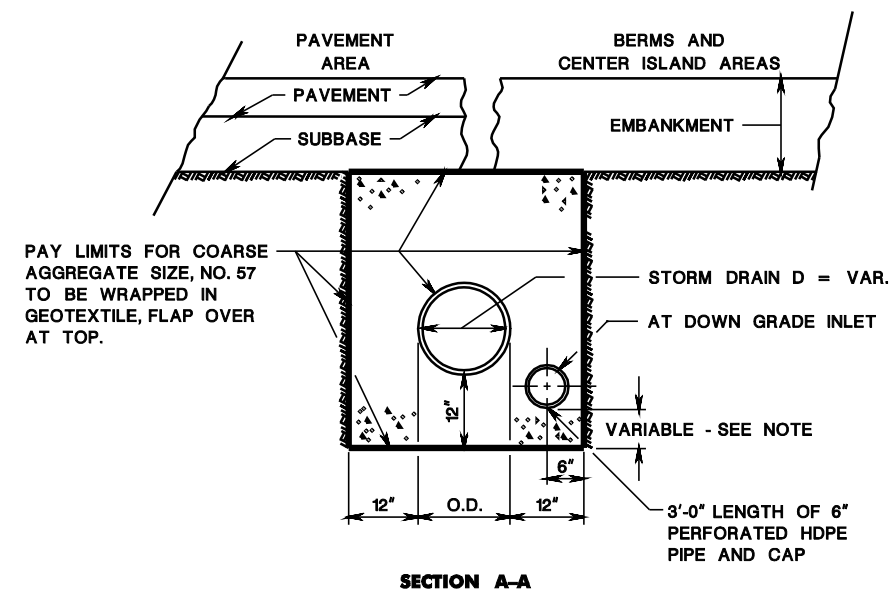
NOTES:

- 1.) DISCHARGED WATER SHALL IN NO CASE VIOLATE DRAINAGE RIGHTS.
- 2.) SEE NOTE 2, CD-601-1.4



COMBINED STORM DRAIN AND OUTLET TRENCH IN ROCK AREAS

CD-601-1.4



SECTION A-A

NOTES:

- 1.) INVERT OF 6" PERFORATED HDPE PIPE TO BE 6" ABOVE BOTTOM OF INLET OR 6" ABOVE BOTTOM OF TRENCH WHICHEVER IS HIGHER.
- 2.) THE SIZE OF PERFORATIONS SHOULD BE SMALLER THAN SIZE OF STONE SPECIFIED OTHERWISE WRAP FILTER FABRIC AROUND PIPE.
- 3.) PAY ITEMS ARE:
 - a. 6" PERFORATED HDPE PIPE
 - b. COURSE AGGREGATE, SIZE NO. 57
 - c. GEOTEXTILE FABRIC
 - d. STORM DRAIN USED WHICH INCLUDES EXCAVATION.
 - e. REMOVAL OF PAVEMENT IF PAVEMENT AREA EXISTS.

UNDERDRAINS

N.T.S.

CD-601-1

NEW JERSEY DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS