EROSION CONTROL PAD
---2' -----1

PLAN

GALVANIZED 12 GAGE MINIMUM, WIRE MESH, 1/2 x 1/2 OPENINGS OVER PIPE END

9" GROUTED RIPRAP, DR 6" CONCRETE PRECAST, DR CLASS B CONCRETE CAST-IN-PLACE, DR ANY OTHER APPROVED TREATMENTS

PROFILE

OUTLET PIPE END TREATMENT

5" GRANULAR FILM OR RUBBLE IN PLACE OR 6" CONCRETE CAST-IN-PLACE OR ANY OTHER APPROVED TREATMENTS

FRENCH DRAIN

SHOULDER PAVEMENT (HMA DR PCCP)
AGGREGATE BASE
OR SUBGRADE

30" GROUND LINE SLOPES DOWN MIN. COMPACTED EMBANKMENT MATERIAL

MATERIAL FILTER MATERIAL - CLASS A
(REDGEEMETILE (DRAINAGE) (CLASS 3)

4' MIN. (TYP.)

18" MIN. FRENCH DRAIN

GEOCOMPOSITE (DRAINAGE) (CLASS 3)
OVERLAPPED ON TOP

4" PERFORATED PIPE

12" MIN. 4" MAX.

SHOULDER PAVEMENT (HMA DR PCCP)
AGGREGATE BASE
OR SUBGRADE

GROUND LINE FILTER MATERIAL - CLASS A

PERFORATED UNDERDRAIN PIPE WRAPPED WITH GEOTEXTILE (DRAINAGE) (CLASS 3)

GEOCOMPOSITE EDGE DRAIN

GEOTEXTILE (DRAINAGE) (CLASS 2)

UNDERDRAIN PIPE

THE SLOPE OF PERFORATED UNDERDRAIN PIPE AND NON-PERFORATED UNDERDRAIN PIPE SHALL BE CONTROLLED.

GENERAL NOTES

1. THE LOCATION AND SIZE OF SUBSURFACE DRAINS AND OUTLET PIPES WILL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
2. OUTLETS FOR THE EDGE DRAINS ARE TO BE SPACE OR MAXIMUM 600 FT. INTERVALS OR AS SHOWN ON THE PLANS. GEOTEXTILE OUTLET CONNECTIONS SHALL CONFORM TO MANUFACTURER'S RECOMMENDATIONS.
3. WHERE THE UNDERDRAIN PIPE OUTLETS INTO A SLOPE OR DITCH, THE OUTLET PIPE END SHALL BE MARKED WITH A RETAINING POST AND HAVE AN ANIMAL GUARD AND AN EROSION CONTROL PAD.
4. THE GEOTEXTILE SHALL BE SECURED TO THE WALL OR TO THE FRENCH CURVE TO PREVENT ADVENTION DURING BACKFILLING.
5. DRAIN HOLES IN RETAINING WALL SHALL BE SPACED AT 10 FT. INTERVALS AS SHOWN ON THE PLANS.
6. GEOTEXTILE EXCAVATION AND BACKFILL LIMITS FOR RETAINING WALLS SHOWN ON STANDARD PLAN MD-08-2019. ALL EXTRA EXCAVATION AND BACKFILL WORK NECESSARY TO COMPLETE RETAINING WALLS ARE INCLUDED IN THE DRAIN WORK.
7. FILTER MATERIAL SHALL BE TAMPED WITH A LIGHT VIBRATORY TAMPER PRIOR TO OVERLAPPING THE GEOTEXTILE FABRIC.
8. THE EDGE DRAIN THICKNESS SHALL BE CONSTRUCTED AFTER PLACEMENT OF THE AGGREGATE BASE AND SUBGRADE.