

DETAIL H-2 SUBSURFACE DRAIN

STANDARD SYMBOL



CONSTRUCTION SPECIFICATIONS

1. DO NOT USE DEFORMED, WARPED, OR OTHERWISE DAMAGED PIPE OR TUBING.
2. LAY ALL SUBSURFACE DRAINS TO A UNIFORM LINE AND COVER WITH ENVELOPE MATERIAL. LAY THE PIPE TUBING WITH PERFORATIONS DOWN AND ORIENTED SYMMETRICALLY ABOUT THE VERTICAL CENTER LINE. MAKE CONNECTIONS WITH MANUFACTURED COUPLING DEVICES COMPARABLE IN STRENGTH WITH SPECIFIED PIPE OR TUBING UNLESS OTHERWISE SPECIFIED. USE METHOD OF PLACEMENT AND BEDDING AS SPECIFIED ON THE DRAWING.
3. PROVIDE ENVELOPE MATERIAL CONSISTING OF WOVEN MONOFILAMENT GEOTEXTILE OR A SAND/GRAVEL MIXTURE WITH 100 PERCENT PASSING THE 1½ INCH SIEVE, 90 TO 100 PERCENT PASSING THE ¾ INCH SIEVE, AND NOT MORE THAN 10 PERCENT PASSING THE NUMBER 60 SIEVE.
4. USE WOVEN MONOFILAMENT GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS.
5. CAP THE UPPER END OF EACH SUBSURFACE DRAINLINE WITH A TIGHT FITTING CAP OF THE SAME MATERIAL AS THE CONDUIT OR OTHER DURABLE MATERIAL UNLESS CONNECTED TO A STRUCTURE.
6. USE A CONTINUOUS 10 FOOT SECTION OF CORRUGATED METAL, CAST IRON, OR STEEL PIPE WITHOUT PERFORATIONS AT THE OUTLET END OF THE LINE WITH NO ENVELOPE MATERIAL AROUND THE 10 FOOT SECTION PIPE. INSTALL AN ANIMAL GUARD ON THE OUTLET END OF THE PIPE.
7. PLACE EARTH BACKFILL MATERIAL IN THE TRENCH IN SUCH A MANNER THAT DISPLACEMENT OF THE DRAIN WILL NOT OCCUR.
8. WHERE SURFACE WATER IS ENTERING THE SYSTEM, PROVIDE A SWING TYPE TRASH AND ANIMAL GUARD AT THE PIPE OUTLET SECTION OF THE SYSTEM.
9. KEEP POINT OF DISCHARGE FREE OF EROSION. MAINTAIN ANIMAL GUARD AT OUTLET.

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MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

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MARYLAND DEPARTMENT OF ENVIRONMENT
WATER MANAGEMENT ADMINISTRATION