

PIPE DIAMETER	MINIMUM TRENCH WIDTH (W) (3)	MINIMUM TRENCH HEIGHT (H) (1,2)
8"	3'-0"	5'-0"
8"	2'-6"	3'-0"
8"	2'-6"	3'-0"
8"	3'-0"	5'-0"
8"	2'-6"	3'-0"
8"	2'-6"	3'-0"

- DEPENDING ON THE EXCAVATION METHOD, THE RESULTING CUTOFF DRAIN TRENCHES MAY BE WIDER THAN SPECIFIED. IN THIS CASE, THE ENTIRE TRENCH WIDTH SHALL BE FILLED WITH CLEAN CRUSHED STONE THAT IS WRAPPED IN GEOTEXTILE FILTER FABRIC. THE COST FOR THE ADDITIONAL CRUSHED STONE AND
- 9. IF REQUIRED, UP TO SIX (6) INCHES OF CRUSHED STONE MAY BE INSTALLED BELOW THE GEOTEXTILE FILTER FABRIC (AND BELOW THE PIPE INVERT ELEVATION) FOR
- 10. IN THE EVENT THAT THE TEMPORARY CONSTRUCTION EXCAVATIONS ARE EXCAVATED BELOW THE FINISHED SLOPE ELEVATION IN ORDER TO INSTALL THE SLOPE CUTOFF DRAINS, THE FINAL SLOPE SHALL BE BACKFILLED AS FOLLOWS:
 - a. THE SLOPE BACKFILL SHALL CONSIST OF EITHER ENGINEER-APPROVED ON-SITE SOIL OR IMPORTED SAND AND GRAVEL FILL. IMPORTED FILL SHALL CONTAIN
 - b. THE FILL SHALL BE PLACED FROM THE BOTTOM UP IN LAYERS NOT EXCEEDING 12 INCHES IN THICKNESS. EACH LAYER MUST BE BENCHED INTO THE EXISTING
- c. EACH LAYER SHALL BE COMPACTED TO AT LEAST 95% OF ITS MAXIMUM MODIFIED DRY DENSITY (ASTM D1557). FILL LAYERS SHALL BE COMPACTED, TESTED, AND APPROVED BEFORE PLACING SUBSEQUENT LAYERS.
- EROSION CONTROL BLANKETS OR PERMANENT TURF REINFORCEMENT MATS (TRM) ARE REQUIRED FOR ALL SLOPES STEEPER THAN 3H:1V TO PROTECT THE SLOPE FROM SURFACE EROSION. FOR ALL SLOPES, VEGETATION SHOULD BE ESTABLISHED AS SOON AS POSSIBLE AFTER CONSTRUCTION TO HELP STABILIZE THE SLOPE AND TO MINIMIZE SURFACE EROSION. REFER TO THE CIVIL PLANS AND LANDSCAPE
- 1. THE SLOPE CUTOFF DRAINS SHALL CONSIST OF EIGHT (8) INCH DIAMETER RIGID WALL PERFORATED PVC PIPES WITH HOLES FACING DOWN AND SHALL BE INSTALLED AT THE LOCATIONS AND ELEVATIONS INDICATED ON THIS PLAN WITH A PIPE SLOPE OF APPROXIMATELY 0.5% (MINIMUM) UNLESS OTHERWISE NOTED.
- THE CUTOFF DRAIN PIPE SHALL BE SURROUNDED BY 3/4-INCH CLEAN CRUSHED STONE THAT IS WRAPPED IN A GEOTEXTILE FILTER FABRIC (MIRAFI 140N OR EQUIVALENT). ADJACENT FILTER FABRIC PANELS SHALL OVERLAP BY A MINIMUM OF 12 INCHES. REFER TO THE TYPICAL CUTOFF DRAIN DETAIL FOR MORE INFORMATION.
- THE CRUSHED STONE SHALL EXTEND VERTICALLY AND HORIZONTALLY AS INDICATED IN THE CROSS-SECTIONS AND CUTOFF DRAIN SCHEDULE OR TO APPROXIMATELY 18 INCHES BELOW THE FINISHED GROUND SURFACE ELEVATION, WHICHEVER IS LOWER. THE GEOTEXTILE FILTER FABRIC SHALL BE WRAPPED OVER THE STONE AND THE OVERLYING MATERIAL SHALL CONSIST OF ENGINEER APPROVED ON-SITE SOIL, IMPORTED SAND AND GRAVEL FILL, TOPSOIL, AND/OR
- THE PERFORATED PVC DRAINPIPES SHALL CONNECT TO AN EIGHT (8) INCH DIAMETER RIGID WALL SOLID PVC PIPE THAT DISCHARGES TO MULTIPLE STORMWATER STRUCTURES AS INDICATED ON THE SLOPE DRAINAGE PLAN. BACKWATER CHECK VALVES ARE REQUIRED FOR EACH DISCHARGE LOCATION. THE BACKWATER CHECK VALVE TYPE IS TO BE SELECTED BY THE CONTRACTOR AND SUBMITTED FOR APPROVAL BY THE MEP ENGINEER AND GEOTECHNICAL ENGINEER.
- THE OWNER SHALL RETAIN, AT THEIR COST, CARLIN-SIMPSON & ASSOCIATES LLC TO PERFORM QUALITY ASSURANCE INSPECTION AND MONITORING SERVICES RELATED TO THE INSTALLATION OF SLOPE DRAINAGE SYSTEM AND THE CONSTRUCTION OF
- CONTRACTOR SHALL ARRANGE FOR AND SCHEDULE ALL REQUIRED INSPECTIONS.
- THE ABOVE FIELD INSPECTION AND MONITORING WILL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO MEET THE MORE STRINGENT OF THE CONSTRUCTION DRAWINGS, MANUFACTURER'S REQUIREMENTS, AND THE PROJECT
- CONTRACTOR SHALL TAKE PROMPT ACTION TO PREVENT OR CORRECT ANY CONDITIONS WHICH HAVE RESULTED OR COULD RESULT IN THE SUBMITTAL TO ENGINEER OF ITEMS OR SERVICES WHICH DO NOT CONFORM TO THE QUALITY PERFORMANCE OF THE CONTRACT, THE TESTS SPECIFIED IN THE CONTRACT AND OTHER TESTS AS MAY BE REQUIRED TO SUBSTANTIATE CONFORMANCE.

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