

TEMPORARY STREAM CROSSINGS SHALL NOT BE USED ON STREAMS WITH DRAINAGE AREAS GREATER THAN ONE SQUARE MILE. STRUCTURES MAY INCLUDE BRIDGES, ROUND PIPES OR PIPE ARCHES. TEMPORARY STREAM CROSSINGS SHOULD BE IN PLACE FOR LESS THAN ONE YEAR AND SHOULD NOT BE USED BY THE GENERAL PUBLIC.

SIZE

THE STRUCTURE SHALL BE LARGE ENOUGH TO CONVEY THE FULL BANK FLOW OF THE STREAM, TYPICALLY FLOWS PRODUCED BY A 2-YEAR, 24-HOUR FREQUENCY STORM, WITHOUT APPRECIABLY ALTERING THE STREAM FLOW CHARACTERISTIC.

LOCATION

THE TEMPORARY STREAM CROSSING SHALL BE PERPENDICULAR TO THE STREAM. WHERE APPROACH CONDITIONS DICTATE, THE CROSSING MAY VARY 15% FROM THE PERPENDICULAR.

TEMPORARY BRIDGE CROSSING Sr-B

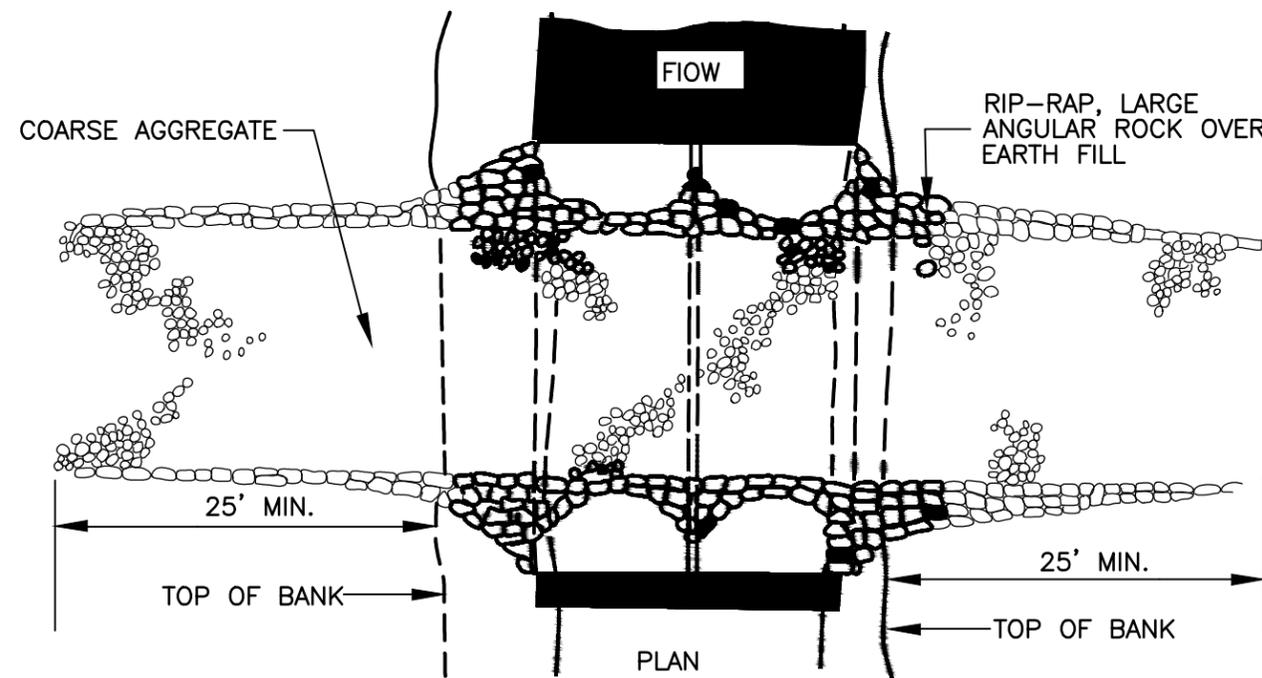
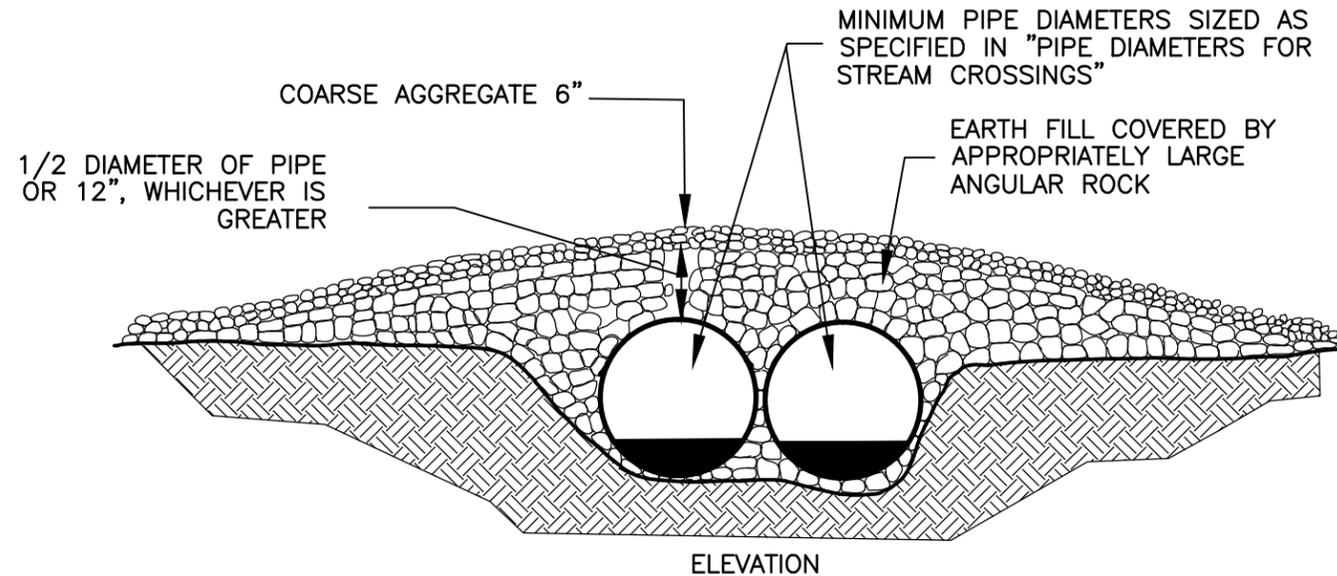
1. THE TEMPORARY BRIDGE SHALL BE CONSTRUCTED AT OR ABOVE BANK ELEVATION TO PREVENT THE ENTRAPMENT OF FLOATING MATERIALS AND DEBRIS.
2. ABUTMENTS SHALL BE PLACED PARALLEL TO AND ON STABLE BANKS.
3. BRIDGES SHALL BE CONSTRUCTED TO SPAN THE ENTIRE CHANNEL. IF THE CHANNEL WIDTH EXCEEDS EIGHT FEET (AS MEASURED FROM THE TOPS OF THE BANKS), A FOOTING, PIER OR BRIDGE SUPPORT MAY BE CONSTRUCTED WITHIN THE WATERWAY.
4. BRIDGES SHALL BE SECURELY ANCHORED AT ONLY ONE END USING STEEL CABLE OR CHAIN. THIS WILL PREVENT CHANNEL OBSTRUCTION IN THE EVENT THAT FLOODWATERS FLOAT THE BRIDGE. LARGE TREES, LARGE BOULDERS, OR DRIVEN STEEL ANCHORS CAN SERVE AS ANCHORS.

TEMPORARY CULVERT CROSSING Sr-C

1. THE INVERT ELEVATION OF THE CULVERT SHALL BE INSTALLED ON THE NATURAL STREAMBED GRADE.
2. THE CULVERT(S) SHALL EXTEND A MINIMUM OF ONE FOOT BEYOND THE UPSTREAM AND DOWNSTREAM TOE OF THE AGGREGATE PLACED AROUND THE CULVERT. IN NO CASE SHALL THE CULVERT EXCEED 40 FEET IN LENGTH.
3. THE CULVERT(S) SHALL BE COVERED WITH A MINIMUM OF ONE FOOT OF AGGREGATE. IF MULTIPLE CULVERTS ARE USED, THEY SHALL BE SEPARATED BY A MINIMUM OF 12 INCHES OF COMPACTED AGGREGATE FILL.

MAINTENANCE

THE STRUCTURE SHALL BE INSPECTED AFTER EVERY RAINFALL AND AT LEAST ONCE A WEEK, WHETHER IT HAS RAINED OR NOT, AND ALL DAMAGES REPAIRED IMMEDIATELY. THE STRUCTURE SHALL BE REMOVED IMMEDIATELY AFTER CONSTRUCTION IS FINISHED, AND THE STREAMBED AND BANKS MUST BE STABILIZED.



Sr TEMPORARY STREAM CROSSING

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

TO BE SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN

1. DRAINAGE AREA (ACRES), AVERAGE SLOPE OF WATERSHED (%), AND STREAM FLOW RATE AT BANKFUL FLOW (CFS)
2. DETAILED DIMENSIONS OF COMPONENTS FOR THE TYPE OF CROSSING TO BE USED

City of Atlanta



STANDARD DETAILS

TEMPORARY STREAM CROSSING

REV.
DATE: SEPT 2011
ORIG. DATE: NOV 2004
SCALE: N.T.S.

DETAIL NO. ER-G_SR001