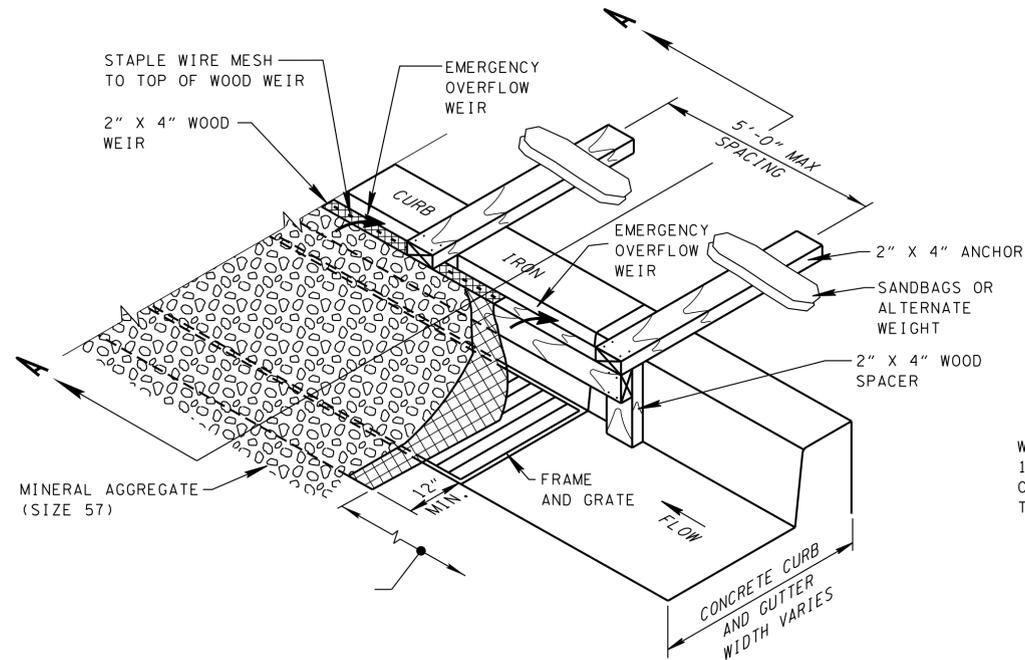
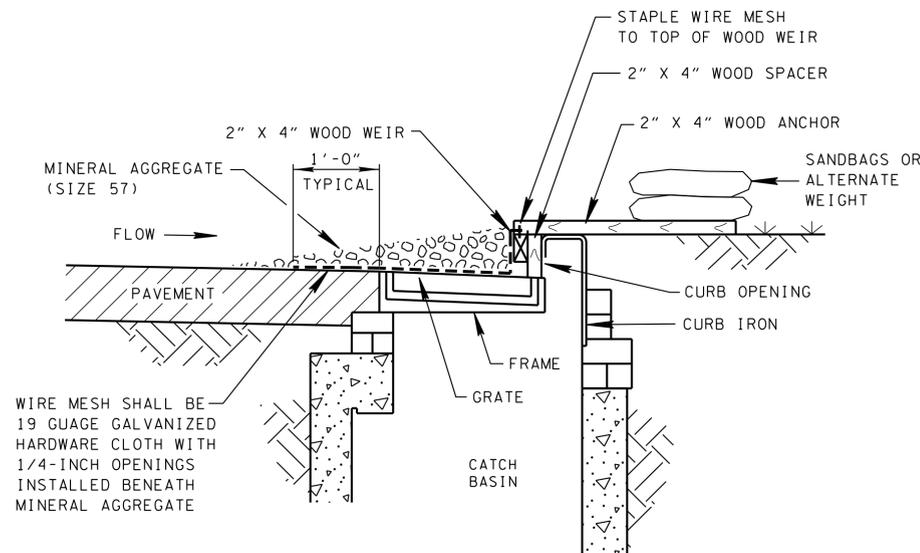


CURB INLET PROTECTION TYPE 3
LOW VOLUME, LOW SPEED TRAFFIC AREAS ONLY



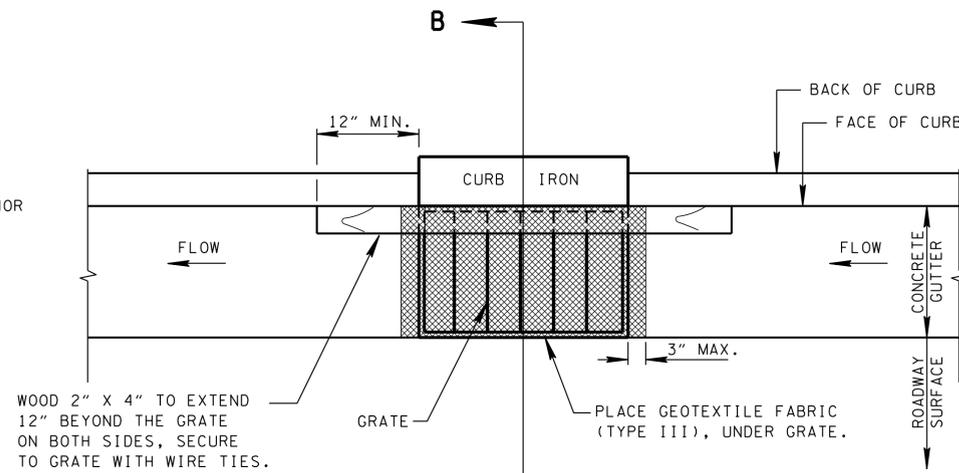
ISOMETRIC VIEW



SECTION A-A

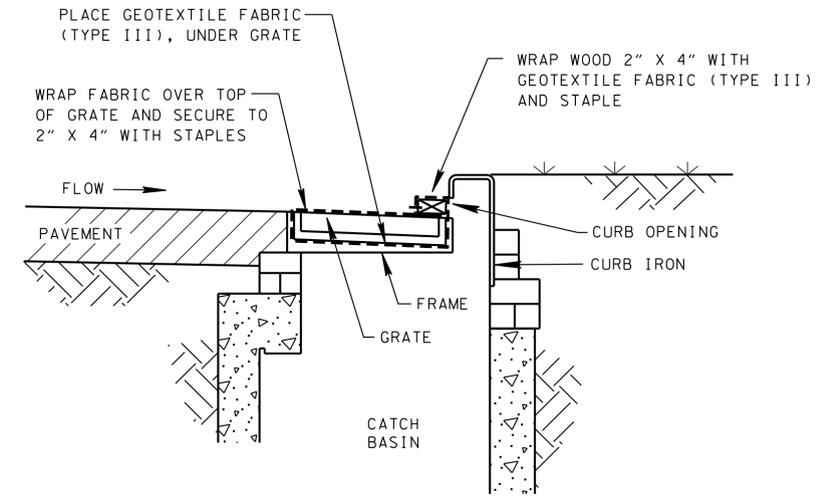
EROSION CONTROL PLAN LEGEND:  CURB INLET PROTECTION (TYPE 3)

CURB INLET PROTECTION TYPE 4



PLAN VIEW

EROSION CONTROL PLAN LEGEND:  CURB INLET PROTECTION (TYPE 4)



SECTION B-B

CURB INLET PROTECTION TYPE 3 GENERAL NOTES

- (A1) CURB INLET PROTECTION (TYPE 3) IS A SEDIMENT CONTROL DEVICE USED TO INTERCEPT SEDIMENT LADEN WATER AND PREVENT TRANSPORTED SEDIMENT FROM ENTERING AN EXISTING STORM SEWER SYSTEM. THIS SEDIMENT CONTROL DEVICE SHOULD BE CONSIDERED, AND IS INTENDED TO BE, A SECONDARY TREATMENT DEVICE.
- (A2) CURB INLET PROTECTION (TYPE 3) IS APPLICABLE TO CURB AND GUTTER INLETS WHERE A STURDY, COMPACT INSTALLATION IS DESIRED AND WHERE PONDING IS NOT A CONCERN. EMERGENCY OVERFLOW CAPABILITIES ARE MINIMAL, SO EXPECT THE POTENTIAL FOR SIGNIFICANT PONDING WITH THIS DEVICE.
- (A3) MAXIMUM DRAINAGE AREA IS 1 ACRE.
- (A4) CURB INLET PROTECTION (TYPE 3) SHALL NOT BE USED WHERE LARGE QUANTITIES OF SEDIMENT ARE EXPECTED OR WHERE THE LONGITUDINAL GRADE OF CURB AND GUTTER EXCEEDS ONE (1) PERCENT.
- (A5) WIRE MESH SHALL BE 19 GAUGE GALVANIZED HARDWARE CLOTH WITH 1/4 INCH OPENINGS. MESH SHALL BE PLACED OVER THE CURB INLET OPENING AND AGAINST THE FACE OF CURB ON BOTH SIDES OF THE INLET SO THAT AT LEAST 12 INCHES OF WIRE EXTENDS ACROSS THE PAVEMENT AND AT LEAST 12 INCHES ACROSS THE CONCRETE GUTTER BEYOND THE EDGES OF THE INLET OPENING.
- (A6) THE WIRE MESH USED FOR THIS SEDIMENT CONTROL DEVICE SHALL BE A CONTINUOUS PIECE OF MATERIAL FORMED AND SHAPED TO MATCH THE SHAPE OF THE CURB AND GUTTER AND SECURED TO THE WOOD FRAME AS NEEDED BY WIRE STAPLES.
- (A7) MINERAL AGGREGATE (SIZE 57) SHALL BE PLACED AGAINST THE WIRE MESH SO AS TO ANCHOR IT AGAINST THE CONCRETE GUTTER, PAVEMENT, AND WOOD FRAME.
- (A8) 2" X 4" WOOD ANCHORS SHALL BE NAILED TO THE TOP OF THE WEIR AND VERTICAL WOOD SPACERS AT SPACER LOCATIONS AND SHALL BE SECURED BEHIND THE CURB IRON WITH SANDBAGS OR OTHER APPROVED ANCHORING DEVICE.
- (A9) CURB INLET PROTECTION (TYPE 3) SHALL BE PAID FOR UNDER THE FOLLOWING ITEM NUMBER:
209-09.42 CURB INLET PROTECTION (TYPE 3) PER EACH
PAYMENT SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY FOR CONSTRUCTION, MAINTENANCE, AND REMOVAL OF CURB INLET PROTECTION (TYPE 3).
- (A10) ANY PRODUCT LISTED ON THE QUALIFIED PRODUCTS LIST AS AN APPROVED ALTERNATE IS ALSO ACCEPTABLE.
- (A11) MAINTENANCE SHALL BE PERFORMED AS NEEDED. FOR PROPER FUNCTION, SEDIMENT REMOVAL SHALL BE PERFORMED CONTINUOUSLY AND/OR AFTER EVERY RAIN EVENT AND PAID FOR UNDER ITEM NUMBER 209-05, SEDIMENT REMOVAL, PER CUBIC YARD.

CURB INLET PROTECTION TYPE 4 GENERAL NOTES

- (B1) CURB INLET PROTECTION (TYPE 4) IS A SEDIMENT CONTROL DEVICE USED TO PREVENT TRANSPORTED SEDIMENT FROM ENTERING AN EXISTING STORM SEWER SYSTEM. THIS SEDIMENT CONTROL DEVICE SHOULD BE CONSIDERED, AND IS INTENDED TO BE, A SECONDARY TREATMENT DEVICE.
- (B2) CURB INLET PROTECTION (TYPE 4) IS APPLICABLE TO CURB AND GUTTER INLETS WHERE A COMPACT INSTALLATION IS DESIRED AND POST PAVING CONDITIONS ARE PRESENT. THIS DEVICE WILL REQUIRE FREQUENT MAINTENANCE WHILE IN USE.
- (B3) MAXIMUM DRAINAGE AREA IS 1 ACRE.
- (B4) TYPE 4 INLET PROTECTION SHALL NOT BE USED WHERE LARGE QUANTITIES OF SEDIMENT ARE EXPECTED OR WHERE HIGH VELOCITIES OF APPROACHING WATER ARE ANTICIPATED DUE TO LONGITUDINAL GRADE OF CURB AND GUTTER.
- (B5) GEOTEXTILE FABRIC (TYPE III) SHALL BE A CONTINUOUS PIECE WRAPPED AROUND THE 2" X 4" AND SECURED WITH STAPLES. TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3 INCHES OF THE GRATE.
- (B6) ONLY GEOTEXTILE FABRIC (TYPE III) LISTED ON THE QUALIFIED PRODUCTS LIST SHALL BE USED.
- (B7) WOOD 2" X 4" SHALL BE PRESSURE TREATED YELLOW PINE. THE WOOD SHALL NOT BLOCK THE ENTIRE OPENING HEIGHT OF THE CURB IRON, AS THIS WILL OBSTRUCT THE EMERGENCY OVERFLOW CAPABILITIES OF THE DEVICE.
- (B8) THE CONTRACTOR SHALL SECURE THE DEVICE WHEN REMOVING THE GRATE TO PREVENT SEDIMENT FROM ENTERING THE STORM SEWER SYSTEM. WHEN REPLACING THE GRATE, CARE MUST BE TAKEN TO INSURE THAT THE 2" X 4" RESTS FIRMLY AGAINST THE FACE OF THE CURB AND/OR THE CONCRETE GUTTER.
- (B9) CURB INLET PROTECTION (TYPE 4) SHALL BE PAID FOR UNDER THE FOLLOWING ITEM NUMBER:
209-09.43 CURB INLET PROTECTION (TYPE 4) PER EACH
PAYMENT SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY FOR CONSTRUCTION, MAINTENANCE, AND REMOVAL OF CURB INLET PROTECTION (TYPE 4).
- (B10) ANY PRODUCT LISTED ON THE QUALIFIED PRODUCTS LIST AS AN APPROVED ALTERNATE IS ALSO ACCEPTABLE.
- (B11) MAINTENANCE SHALL BE PERFORMED AS NEEDED. FOR PROPER FUNCTION, SEDIMENT REMOVAL SHALL BE PERFORMED CONTINUOUSLY AND/OR AFTER EVERY RAIN EVENT AND PAID FOR UNDER ITEM NUMBER 209-05, SEDIMENT REMOVAL, PER CUBIC YARD.

MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

NOT TO SCALE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CURB INLET PROTECTION TYPE 3 & 4

- REV. 4-15-06: REFORMATTED SHEET, REVISED NOTES, MISC. EDITS TO DRAWING.
- REV. 4-1-08: MISC. MINOR EDITS AND GENERAL NOTE REVISIONS.
- REV. 6-24-10: MISC. MINOR EDITS.
- REV. 8-1-12: MINOR EDITS TO GENERAL NOTES.