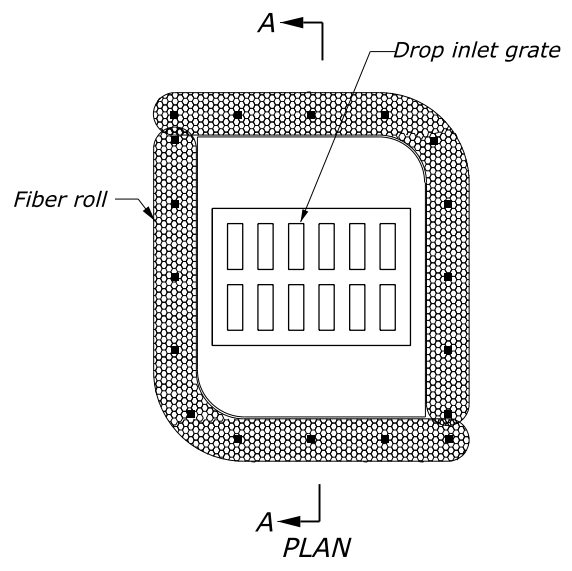
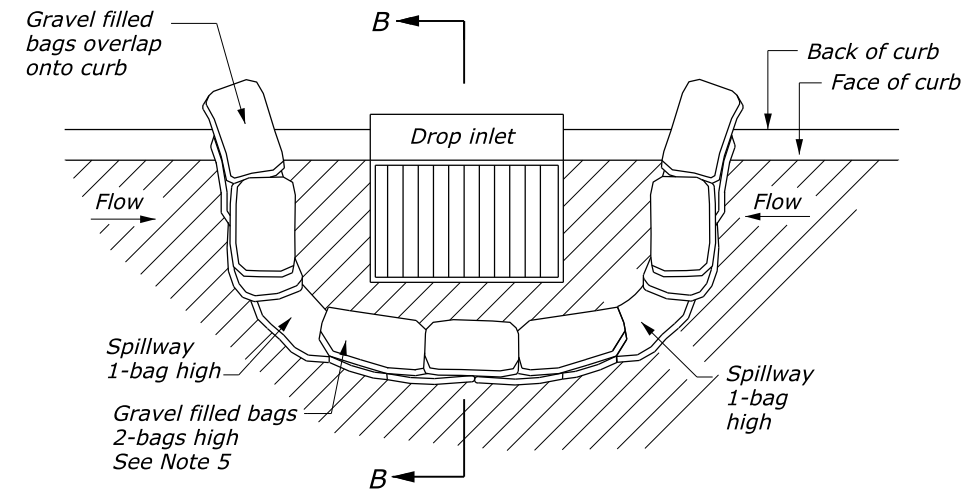
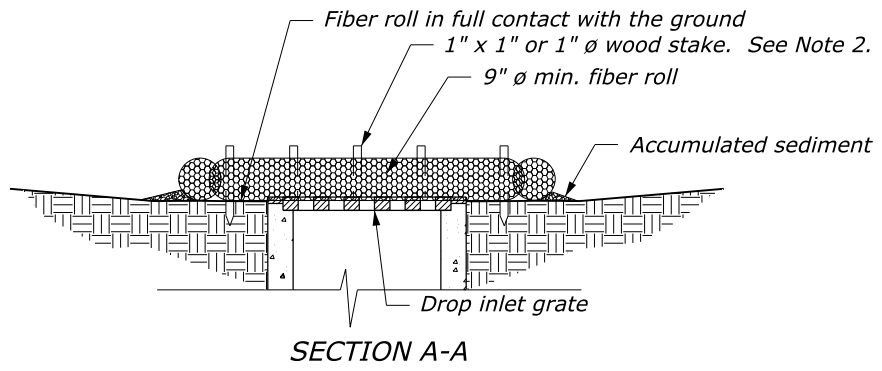


NOTE:

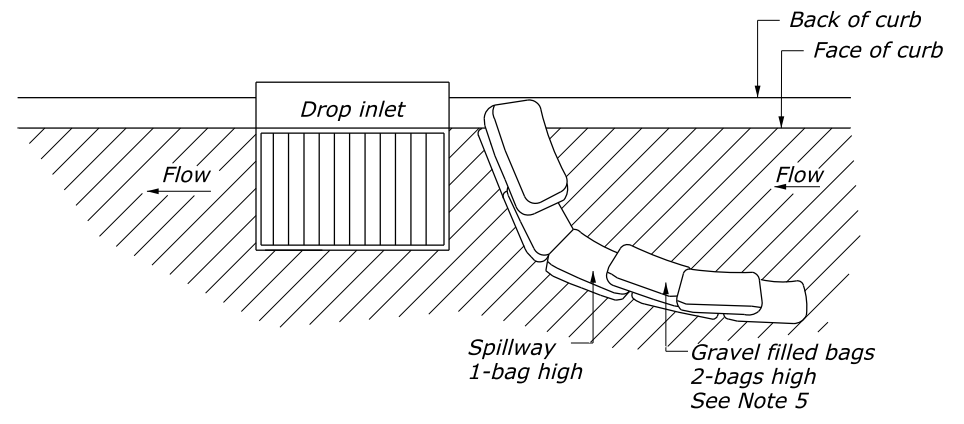
1. Select the inlet protection device to fit field conditions as approved by the CO.
2. Install fiber roll with stakes spaced no more than 24" on center. Drive stakes 12" (min.) into undisturbed soil.
3. Approximate finished dimension of gravel bags is 12" x 18".
4. Maximum top of gravel bag spillway elevation = Top of curb minus 1".
5. Pack gravel filled bags tightly together end to end to ensure no sediment flows between or underneath the bags. Where tight fit is unachievable, install geotextile filter, class 2, type C along the upstream face of the bags. Place fabric over the top of the bags to the spillway elevation. Anchor the fabric by placing the next layer of bags on top of it. Extend the geotextile fabric a minimum of 18" upstream of the bags. Cover geotextile fabric to the top of the fabric with clean, silt-free coarse aggregate between 2" and 3" in diameter.



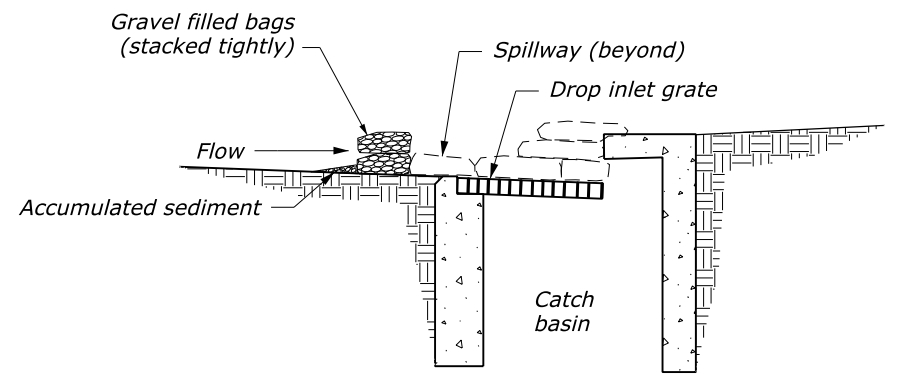
**FIBER ROLL
DROP INLET PROTECTION (TYPE A)**



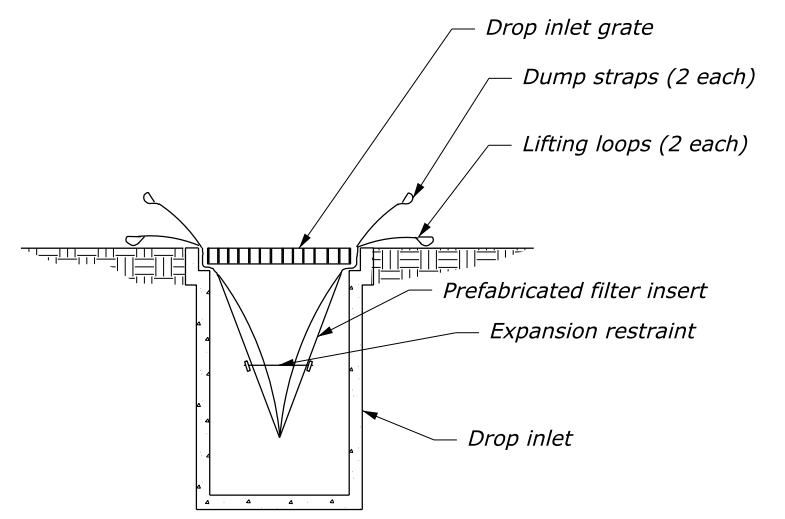
PLAN VIEW - INLET AT SAG



PLAN VIEW - INLET ON GRADE



**SECTION B-B
GRAVEL BAG BERM
DROP INLET PROTECTION (TYPE B)**



**PREFABRICATED FILTER INSERT
DROP INLET PROTECTION (TYPE C)**

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION CENTRAL FEDERAL LANDS HIGHWAY DIVISION	
U.S. CUSTOMARY DETAIL	
TEMPORARY INLET PROTECTION	
Sheet 1 of 2	
DETAIL APPROVED FOR USE	DETAIL
REVISED: 08/2014	C157-51

NO SCALE

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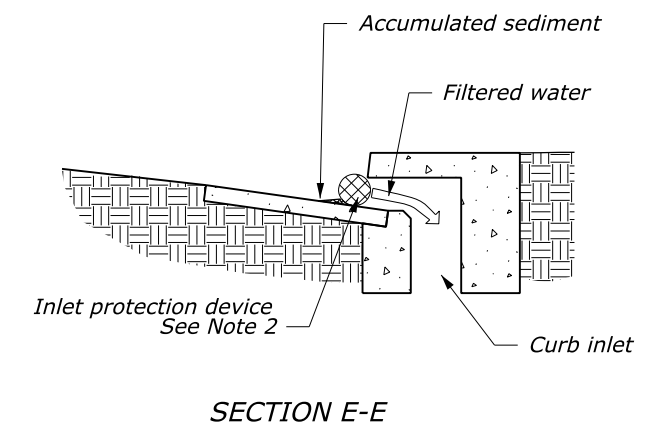
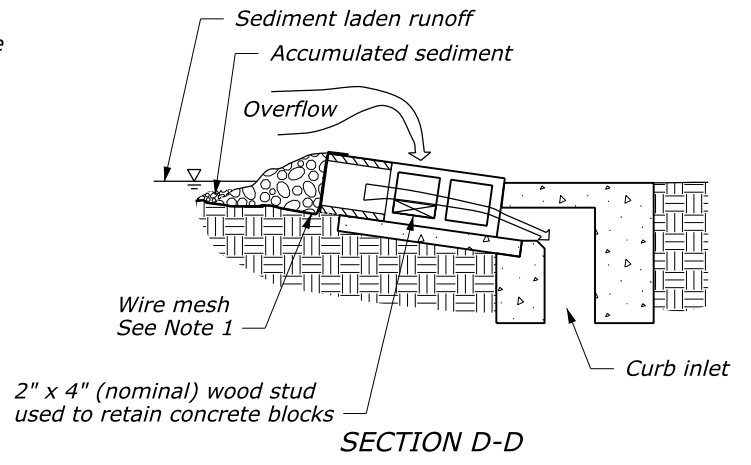
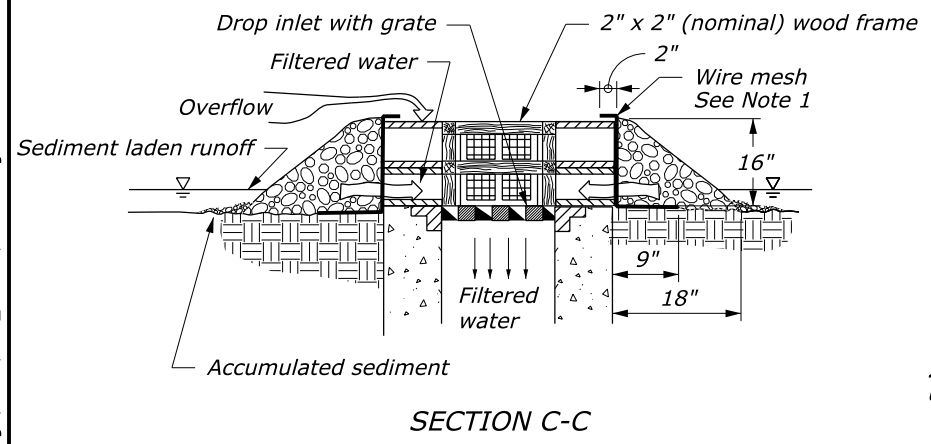
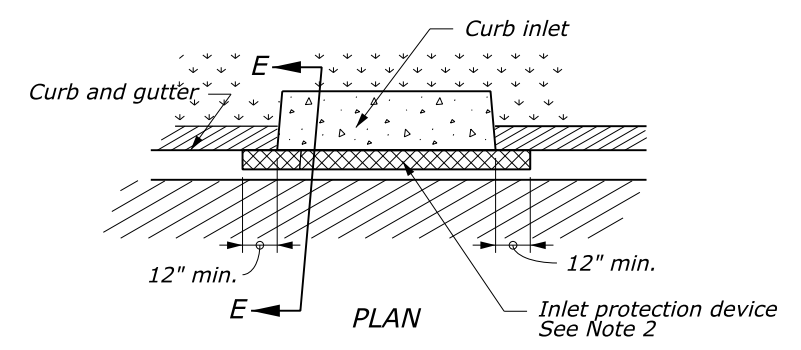
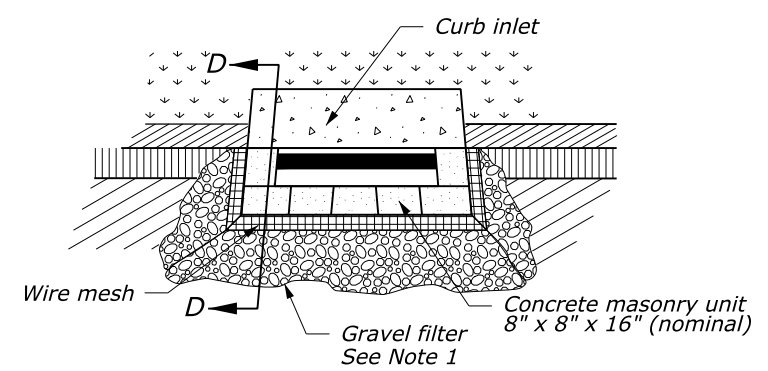
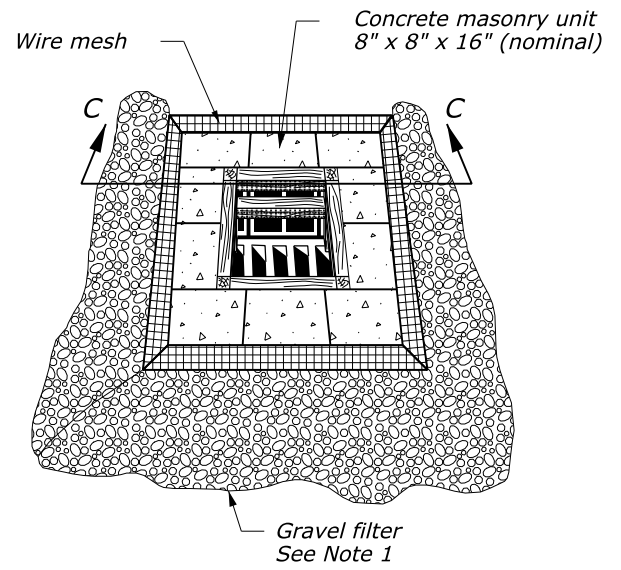
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NOTE:

1. For Type D1 and D2 gravel filter, use clean, silt-free coarse aggregate between 2" and 3" in diameter. Use wire mesh with 1/2" x 1/2" openings.
2. Inlet protection device (Type E) may consist of continuous filter tubing filled with gravel or other prefabricated filter material. Install device according to manufacturer's recommendations.
3. Dimensions may vary to fit field conditions.



**BLOCK AND GRAVEL
DROP INLET PROTECTION (TYPE D1)**

**BLOCK AND GRAVEL
CURB INLET PROTECTION (TYPE D2)**

**INLET PROTECTION DEVICE
CURB INLET PROTECTION (TYPE E)**

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION CENTRAL FEDERAL LANDS HIGHWAY DIVISION	
U.S. CUSTOMARY DETAIL	
TEMPORARY INLET PROTECTION Sheet 2 of 2	
DETAIL APPROVED FOR USE	DETAIL
REVISED: 08/2014	C157-51

NOTES TO THE DESIGNER

Last Updated: August 2014

General Information

1. **Appropriate Applications.** Storm drain inlet protection is used to detain and/or filter sediment-laden runoff. Appropriate applications include:
 - Where sediment-laden runoff may enter an inlet;
 - Where ponding will not encroach into travel way; and
 - Where the drainage area is 1 acre or less.

INLET PROTECTION*						
Site Conditions Where Types are Appropriate	Type					
	A	B	C	D1	D2	E
Area Drain, Soil	Y	N	Y	Y	N	N
Area Drain, Pavement	N	N	Y	Y	N	N
Grate inlet along curb, Soil	Y	Y	Y	N	N	N
Grate inlet along curb, Pavement	N	Y	Y	N	N	N
Curb opening inlet, Soil	N	Y	N	N	Y	Y
Curb opening inlet, Pavement	N	Y	N	N	Y	Y

*Note: Table shown for information only. Designer will not specify a type of drop inlet protection to use – will leave it up to the Contractor.

2. **Limitations.**
 - Sediment removal may be difficult in high-flow conditions or if runoff is heavily sediment laden. May need to use other on-site sediment trapping techniques (e.g. check dams, wattles at back of curb, etc) in conjunction with inlet protection.
 - Could be an obstacle to traffic (could be within clear zone)

Applicable SCRs

None

Typical Pay Item Used

- We will leave it up to the Contractor to select the specific type of drop inlet protection to use on the project. Include both plan sheets and a generic pay item in the PS&E.
- 15706-1000 Soil erosion control, inlet protection [EA]

Updates

January 2011

- Updated FLH Standard drawing with various new inlet protection devices

August 2014

- Updated for FP-14, updated border