

5.10 CURB INLET PROTECTION

1. DESCRIPTION - A temporary sediment control barrier made of filter stone and standard concrete block, welded wire fabric, hardware fabric or 2x4 studs surrounding a storm drain curb inlet.

2. PURPOSE - To remove sediment from storm runoff before it enters into the storm drain system.

3. APPLICATIONS - Where storm drain curb inlets are to be used prior to final stabilization of the area draining to the structure. This method is used where the inlet will collect relatively heavy flows and overflow capability is needed. This method is also to be used to protect existing curb inlets located in paved areas.

4. LIMITATIONS - Ponding will occur around the inlet with possible localized flooding as the result. When used at locations that are open to vehicle traffic, this device will encroach into the traveled way. If the curb inlet is not a recessed type inlet a traffic barricade shall be placed at each end of the inlet protection device.

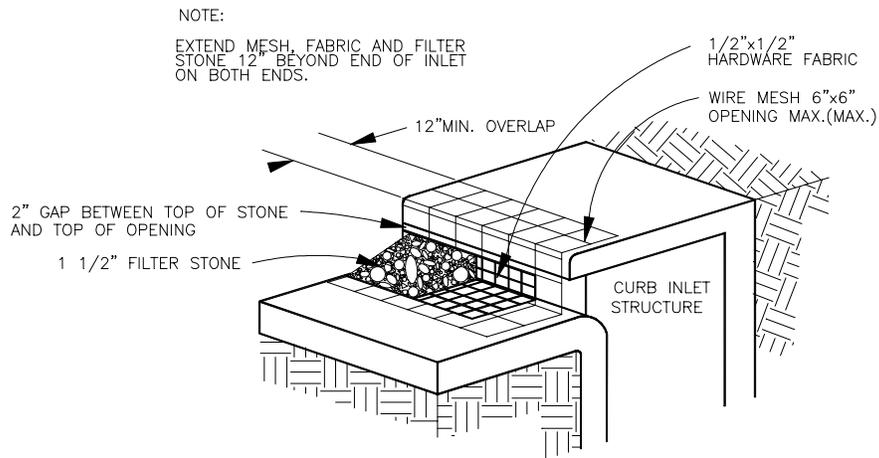
5. DESIGN CRITERIA -

- A.** Drainage Area - 2.0 acres or less.
- B.** Height - 6" (Maximum).

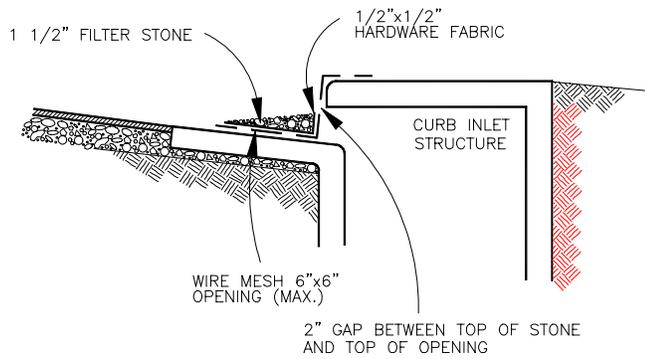
6. MATERIAL SPECIFICATIONS -

- A.** Concrete Block - ASTM C 139, Concrete Masonry Unit for Construction.
- B.** Wire Fabric - Standard galvanized hardware fabric with ½" by ½" openings.
- C.** Filter Stone - NCTCOG Specification 2.1.8.(e).
- D.** Wire Mesh - Welded wire fabric conforming to NCTCOG Specification 2.2.7 maximum opening 6"x6".

7. MAINTENANCE REQUIREMENTS - Curb inlet protection should be inspected weekly and after major rain events to ensure that the device is functioning properly. Remove sediment from the storage area when the depth of sediment has built up to one-half of the storage depth. If de-watering of the storage volume is not occurring, clean or replace the filter stone. Clean the filter stone surface the first few times by raking. Repeated sediment build-up will require filter stone replacement.

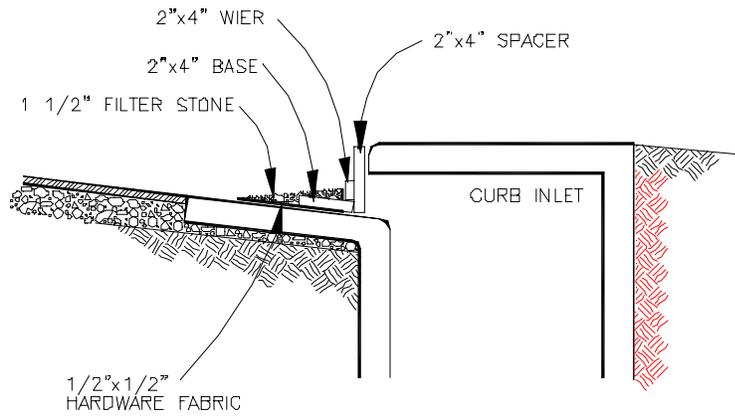
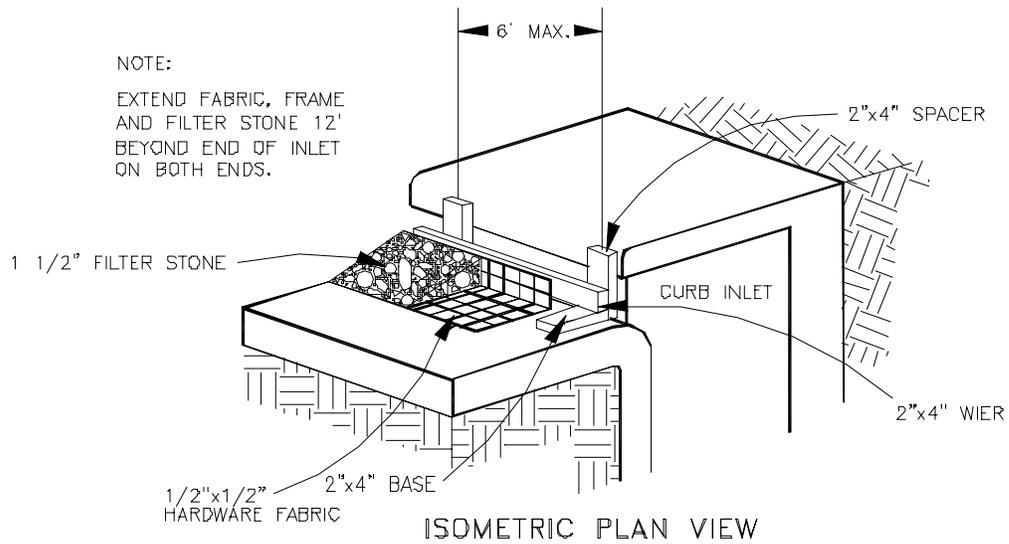


ISOMETRIC PLAN VIEW



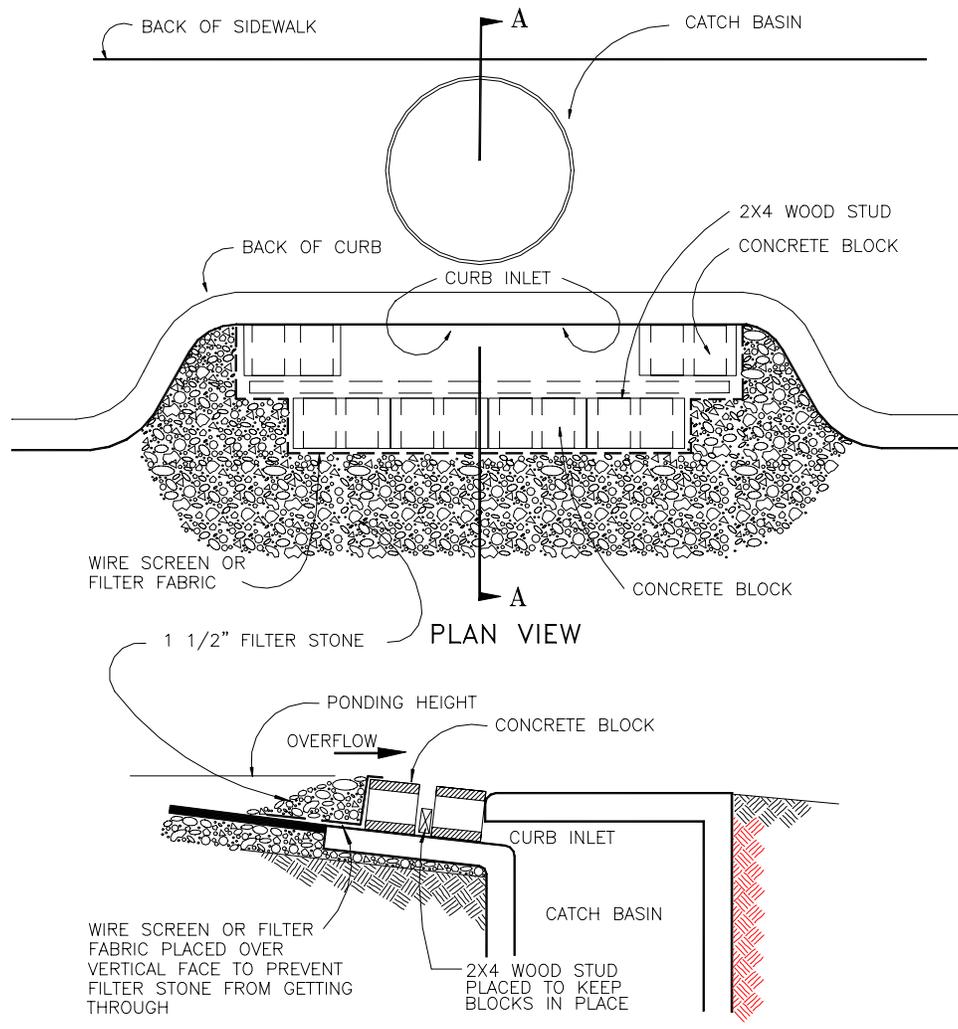
INLET SECTION

TYPE A CURB
 INLET PROTECTION
 N.T.S.



TYPE B CURB INLET PROTECTION

N.T.S.



SECTION A - A

BLOCK AND GRAVEL RECESSED CURB INLET PROTECTION

N.T.S.

[NEXT PAGE](#) ➤