S-4 (upper left)

Silt Fence Fabric With Wire Mesh Backing
2"x2" Wood Stake Or Steel T-post
Fabric Anchored In 6"x6" Trench Back- Filled With Compacted Earth
2"x2" Wood Stake Or Steel T-post
12" Min.

Perspective View

I. Standard Installation

Stake
Fabric
A-1
1' Min.
2"x4" Wood Frame
1.5' Max.
3' Min.

Elevation Of Stake And Fabric Orientation

Detail A

Perspective View

Drop Inlet With Grate
Frame
Gather Excess At Corners

Perspective View

II. Alternate Installation

Specific application:
This method of inlet protection is applicable where the inlet drains a relatively flat area (slope no greater than 5%) where the inlet sheet or over-land flows (not to exceed 1 c.F.S.) are typical. The method shall not apply to inlets receiving concentrated flows such as in streets or highway medians.

S-4 (upper middle)

3/4" Filter Stone
Ponding Height
Overflow
Wire Screen (1/2"x 1/2") Placed Over Vertical Face
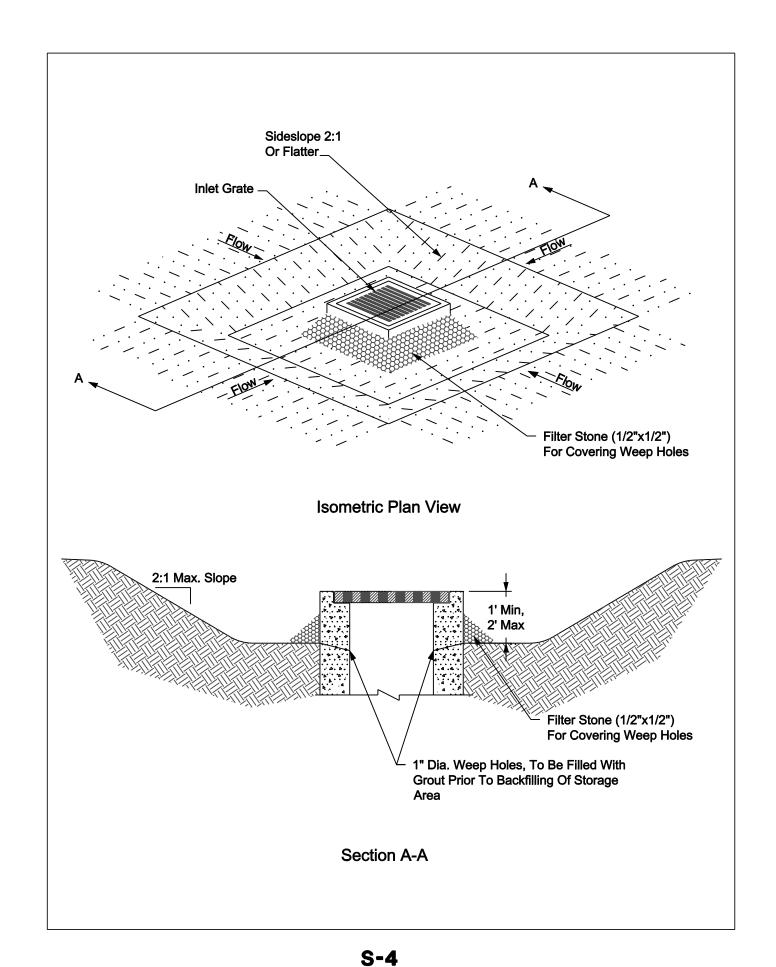2" x 4" Wood Stud
Curb Inlet
Catch Basin

Cross Section

Back Of Sidewalk
Catch Basin
Back Of Curb
Curb Inlet
2" x 4" Wood Stud
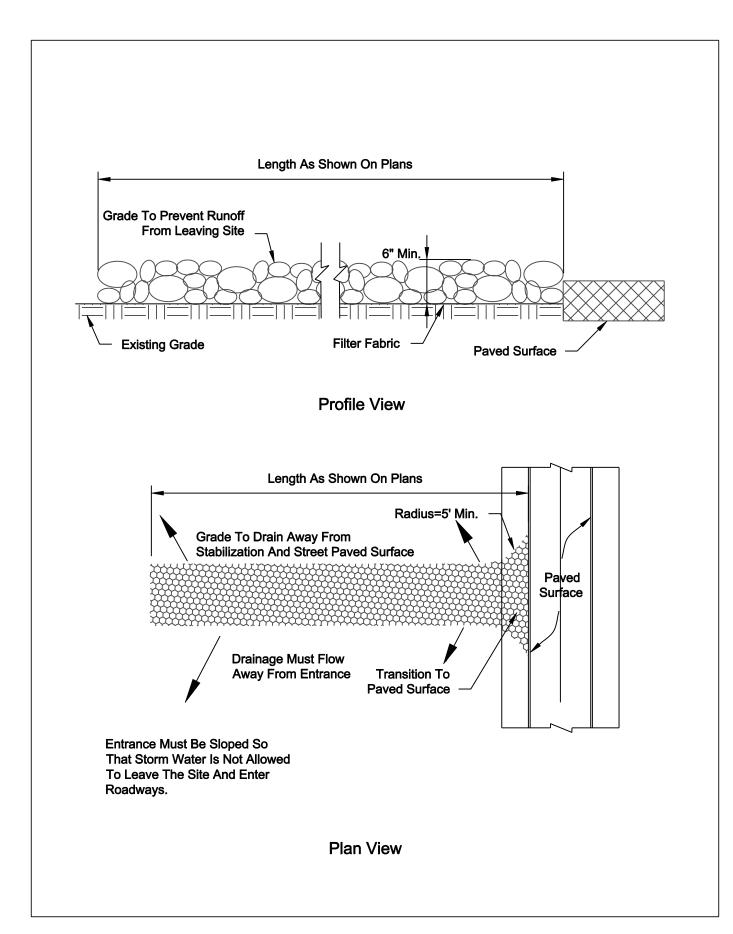Concrete Block
Wire Screen (1/2"x1/2")
3/4" Filter Stone
Concrete Block

Plan View

S-1

Silt Fence (min. Height 24" Above Exist. Ground)
4' Length (min.) Fence Post Max. 6' Spacing, Min. Embedment = 1'
Compacted Earth Or Rock Backfill
Wire Mesh Backing
6"Min.
Flow
Trench
6"Min.
Fabric Toe-in
6"Min.

Silt Fence

6' Min. Each Side
8' Max.
H
1/2 H
Silt Fence
1-1/2" Filter Stone
Flow
6" Min. Top Of Stone, Each Side Of Silt Fence

Stone Overflow Structure

S-9

Length As Shown On Plans
Grade To Prevent Runoff From Leaving Site
6" Min.
Existing Grade
Filter Fabric
Paved Surface

Profile View

Length As Shown On Plans
Radius=5' Min.
Grade To Drain Away From Stabilization And Street Paved Surface
Paved Surface
Drainage Must Flow Away From Entrance
Transition To Paved Surface
Entrance Must Be Sloped So That Storm Water Is Not Allowed To Leave The Site And Enter Roadways.

Plan View

S-4 (lower left)

Sideslope 2:1 Or Flatter
Inlet Grate
Flow
A
A
Flow
Flow
Filter Stone (1/2"x1/2") For Covering Weep Holes

Isometric Plan View

2:1 Max. Slope
1' Min, 2' Max
Filter Stone (1/2"x1/2") For Covering Weep Holes
1" Dia. Weep Holes, To Be Filled With Grout Prior To Backfilling Of Storage Area

Section A-A

S-4 (lower middle)

3/4" Filter Stone
Over Flow Water
Water
Concrete Block
Wire Screen (1/2"x1/2")
Ponding Height
Drop Inlet

Cross Section

Drain Grate
Concrete Block
3/4" Filter Stone

Plan View

THE FOLLOWING NON-STORM WATER DISCHARGES FROM SITES AUTHORIZED UNDER THE GENERAL PERMIT ARE ALSO ELIGIBLE FOR AUTHORIZATION UNDER THE GENERAL PERMIT:

. DISCHARGES FROM FIRE FIGHTING ACTIVITIES (FIRE FIGHTING ACTIVITIES DO NOT INCLUDE WASHING OF TRUCKS, RUN-OFF WATER FROM TRAINING ACTIVITIES, TEST WATER FROM FIRE SUPPRESSION SYSTEMS, AND SIMILAR ACTIVITIES);

. * UNCONTAMINATED FIRE HYDRANT FLUSHINGS (EXCLUDING DISCHARGES OF HYPERCHLORINATED WATER, UNLESS THE WATER IS FIRST DECHLORINATED AND DISCHARGES ARE NOT EXPECTED TO ADVERSELY AFFECT AQUATIC LIFE), WHICH INCLUDE FLUSHINGS FROM SYSTEMS THAT UTILIZE POTABLE WATER, SURFACE WATER, OR GROUNDWATER THAT DOES NOT CONTAIN ADDITIONAL POLLUTANTS (UNCONTAMINATED FIRE HYDRANT FLUSHINGS DO NOT INCLUDE SYSTEMS UTILIZING RECLAIMED WASTEWATER AS A SOURCE WATER);

. WATER FROM THE ROUTINE EXTERNAL WASHING OF VEHICLES, THE EXTERNAL PORTION OF BUILDINGS OR STRUCTURES, AND PAVEMENT, WHERE DETERGENTS AND SOAPS ARE NOT USED AND WHERE SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE NOT OCCURRED (UNLESS SPILLED MATERIALS HAVE BEEN REMOVED); AND IF LOCAL STATE, OR FEDERAL REGULATIONS ARE APPLICABLE, THE MATERIALS ARE REMOVED ACCORDING TO THOSE REGULATIONS), AND WHERE THE PURPOSE IS TO REMOVE MUD, DIRT, OR DUST;

. UNCONTAMINATED WATER USED TO CONTROL DUST;

. * POTABLE WATER SOURCES INCLUDING WATERLINE FLUSHINGS (EXCLUDING DISCHARGES OF HYPERCHLORINATED WATER, UNLESS THE WATER IS FIRST DECHLORINATED AND DISCHARGES ARE NOT EXPECTED TO ADVERSELY AFFECT AQUATIC LIFE);

. UNCONTAMINATED AIR CONDITIONING CONDENSATE;

. UNCONTAMINATED GROUND WATER OR SPRING WATER, INCLUDING FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH INDUSTRIAL MATERIALS SUCH AS SOLVENTS; AND

. LAWN WATERING AND SIMILAR IRRIGATION DRAINAGE.

*HYPERCHLORINATED WATER (3.5 MG/L OR GREATER OF FREE CHLORINE) RESULTING FROM WATERLINE STERILIZATION SHALL BE DECHLORINATED AND NOT EXPECTED TO ADVERSELY AFFECT AQUATIC LIFE.

NOTE:
1. DISTURBED AREAS, INCLUDING HOUSE LOTS ON WHICH CONSTRUCTION ACTIVITY HAS CEASED(TEMPORARILY OR PERMANENTLY), SHALL BE STABILIZED WITHIN 14 DAYS UNLESS ACTIVITIES ARE SCHEDULED TO RESUME WITHIN 21 DAYS.
2. MAINTENANCE AND INSPECTION PROCEDURES: CONTROL MEASURES WILL BE INSPECTED AT LEAST ONCE A WEEK OR WITHIN 24 HOURS OF ANY STORM EVENT OR 0.5 INCHES OR GREATER. GREATER. IF A REPAIR IS NECCESSARY IT WILL BE DONE AT THE EARLIEST PRACTICABLE DATE BUT WITHIN 48 HOURS.

PROJECT NAME & LOCATION:
OPERATOR NAME & ADDRESS:
DETAILED PROJECT DESCRIPTION:

TOTAL PROJECT AREA: _____ SQ FT
TOTAL AREA TO BE DISTURBED: _____ SQ FT
ESTIMATED PROJECT START DATE:
ESTIMATED PROJECT END DATE:
EROSION & SEDIMENT BMPS:

HOUSEKEEPING BMPS:

STABILIZATION PRACTICES:
NOTE: BMPs to be used shall be those from the City of Garland "Standard Erosion Control" sheets, or from the most recent version of the "NCTCOG ISWM Design Manual For Construction".

SIGNATORY REQUIREMENT
I CERTIFY THAT THE INFORMATION PROVIDED IN THIS DOCUMENT REPRESENTS EROSION CONTROL MEASURES PLANNED FOR THE SUBJECT PROJECT AND IS TRUE, ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF. I FURTHER CERTIFY THAT I UNDERSTAND MY RESPONSIBILITIES UNDER THE CONDITIONS OF THIS EROSION CONTROL PLAN.

PROJECT OPERATOR:
PRINTED NAME:
TITLE:
SIGNATURE:
PREPARED BY:

STANDARD EROSION CONTROL

Sheet 2 of 3 (Narrative)

ENGINEERING DEPARTMENT
CITY OF GARLAND, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	SHEET NO.
BY: COG	BY: COG	6/08			DTLEC2.DWG	of
CHKD:	CHKD:					