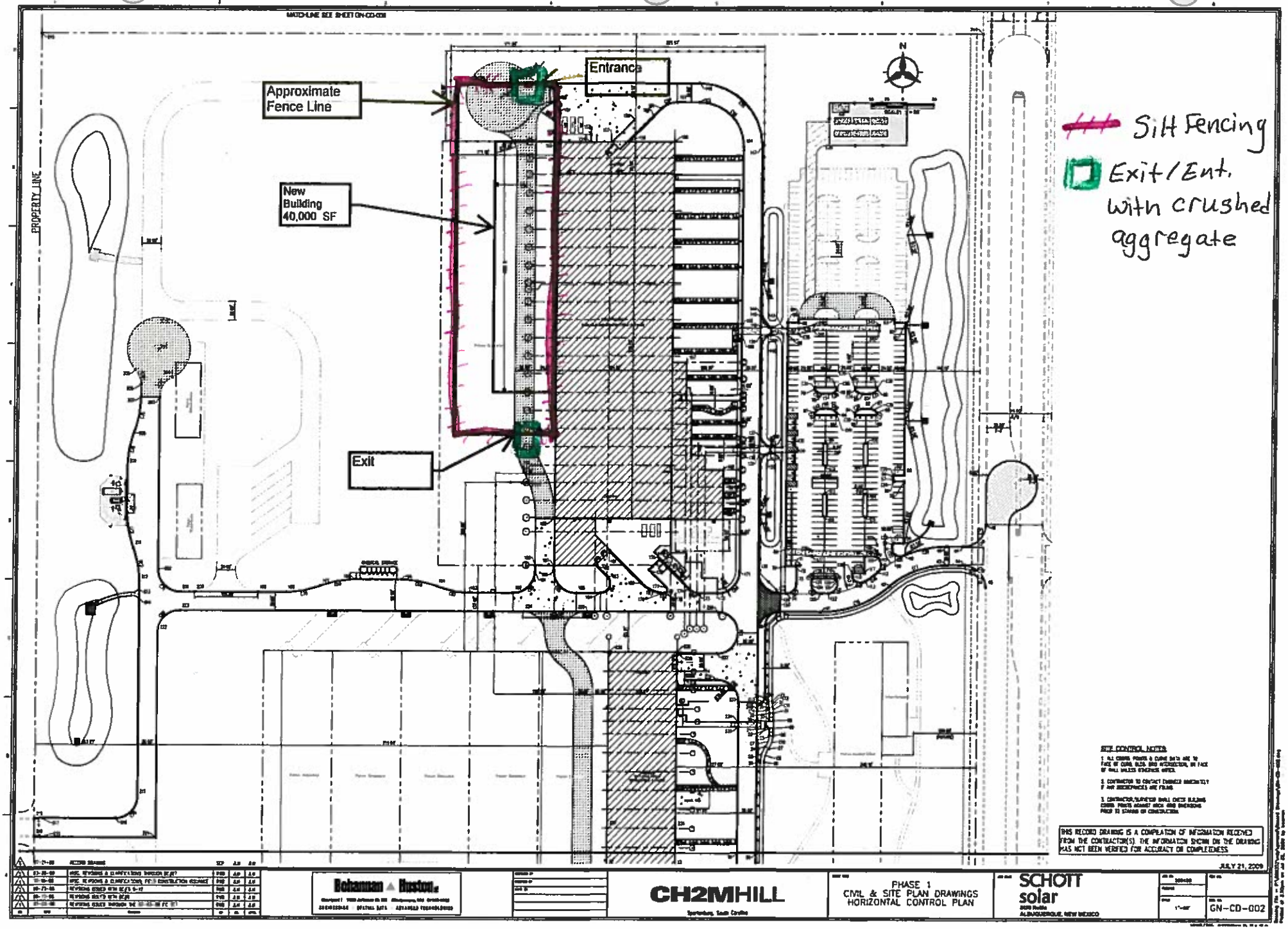
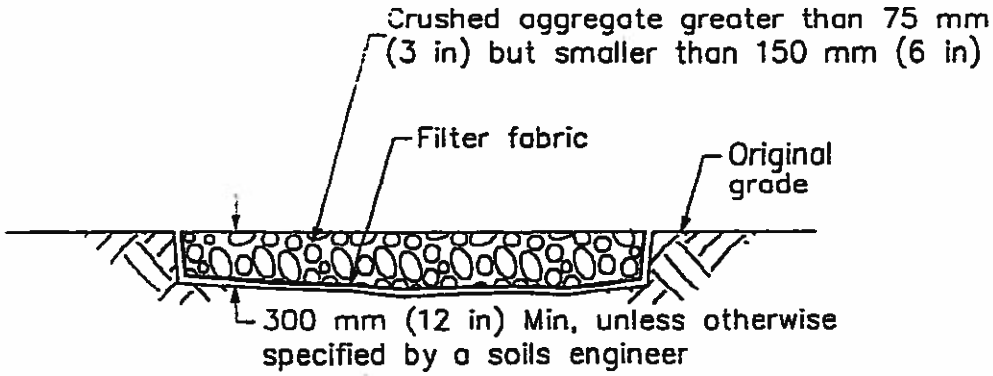
Appendix B – Site Map

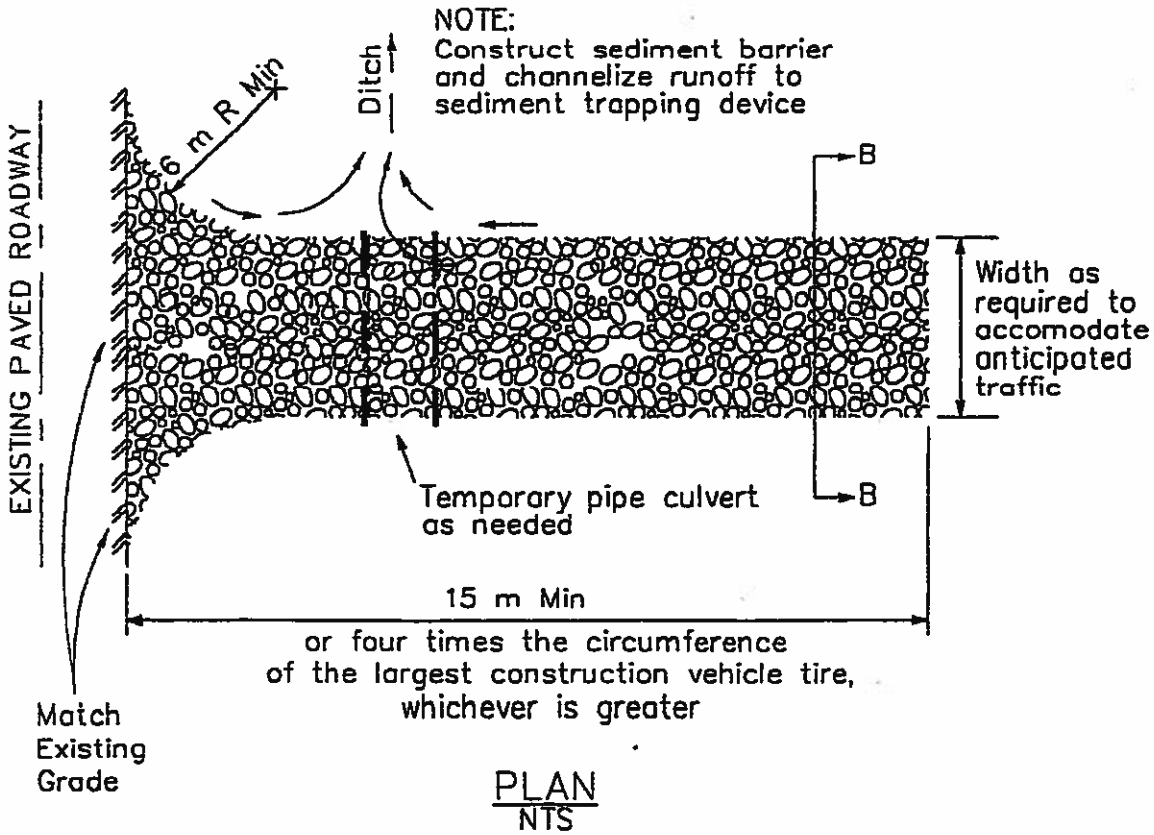

Approximate Fence Line
Entrance
New Building 40,000 SF
Exit
PROPERTY LINE
Silt Fencing
Exit/Ent. with crushed aggregate
SITE CONTROL NOTES
THIS RECORD DRAWING IS A COMPILATION OF INFORMATION RECEIVED FROM THE CONTRACTOR(S). THE INFORMATION SHOWN ON THE DRAWING HAS NOT BEEN VERIFIED FOR ACCURACY OR COMPLETENESS.
JULY 21, 2009
Bohannan Huston
CH2MHILL
PHASE 1
CIVIL & SITE PLAN DRAWINGS
HORIZONTAL CONTROL PLAN
SCHOTT solar
ALBUQUERQUE, NEW MEXICO
GN-CD-002

Stabilized Construction Entrance/Exit

TC-1

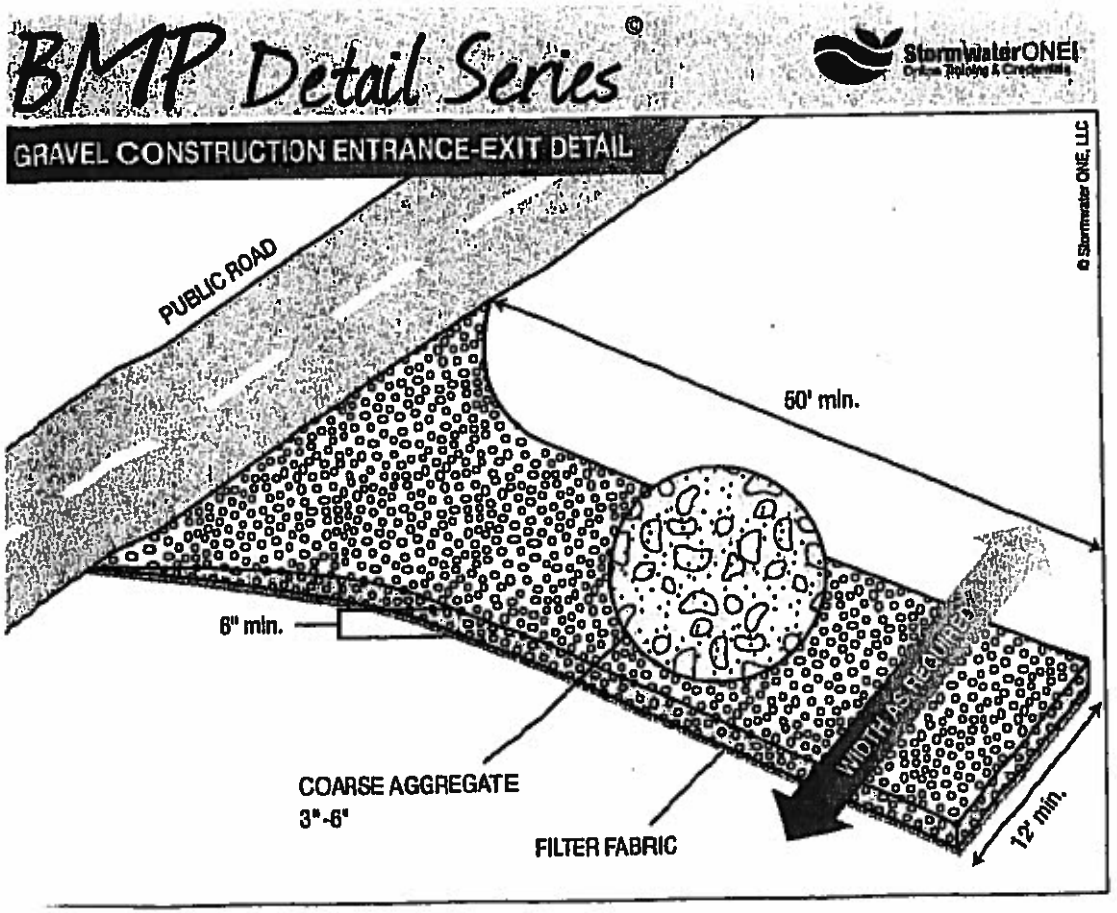


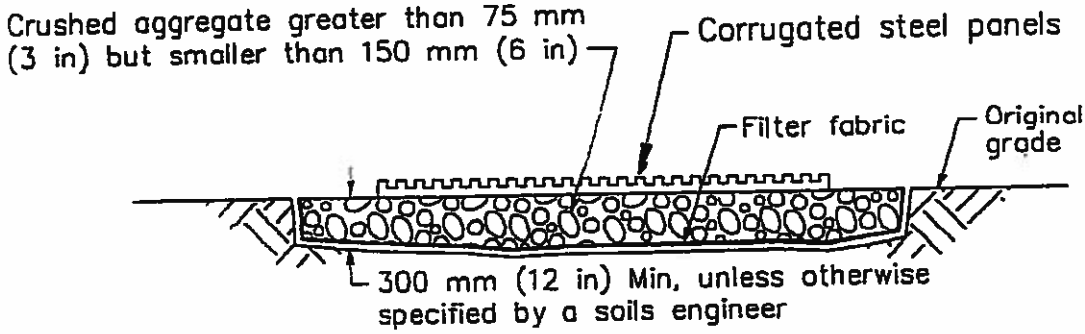
SECTION B–B
NTS



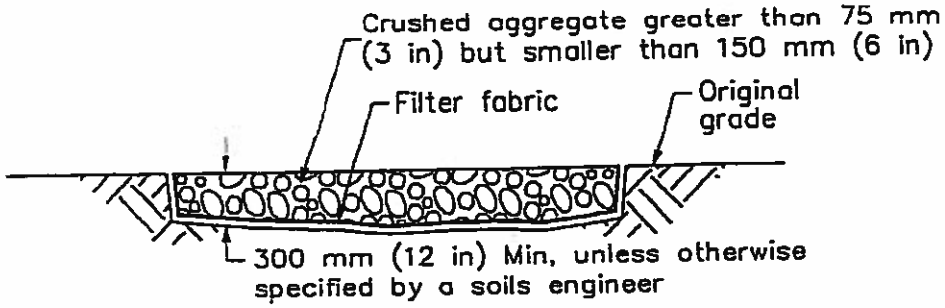
PLAN
NTS

Stabilized Contraction Entrance/Exit (Type 1)

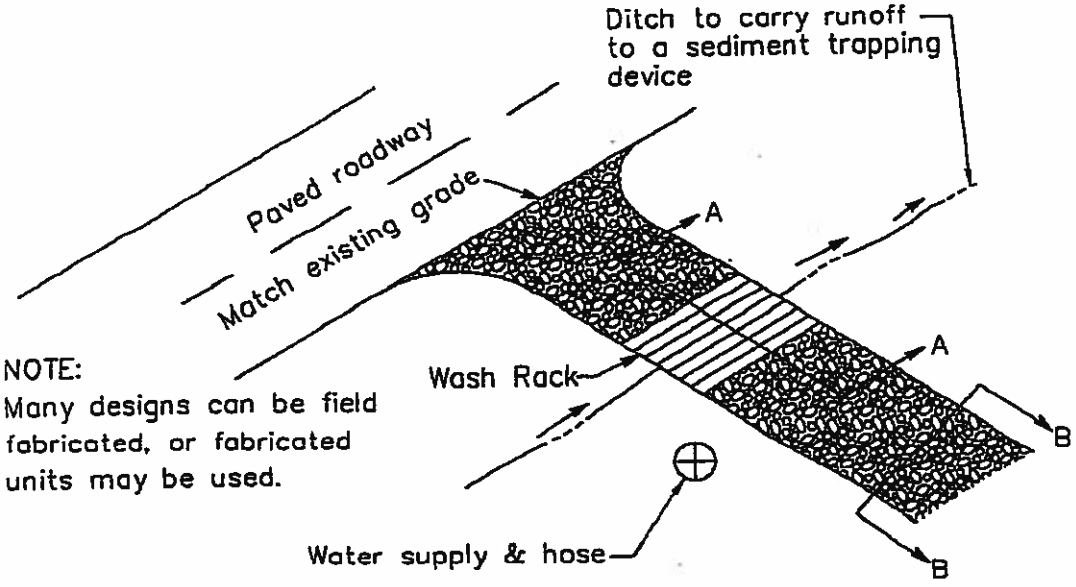

BMP Detail Series
StormwaterONE
GRAVEL CONSTRUCTION ENTRANCE-EXIT DETAIL
PUBLIC ROAD
50' min.
6" min.
COARSE AGGREGATE
3"-6"
FILTER FABRIC
WIDTH AS REQUIRED
12' min.
© Stormwater ONE, LLC



SECTION A–A
NOT TO SCALE



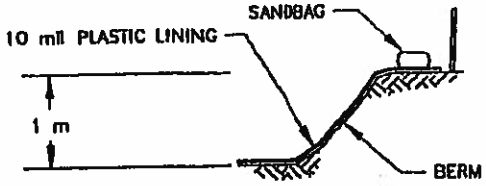
SECTION B–B
NTS



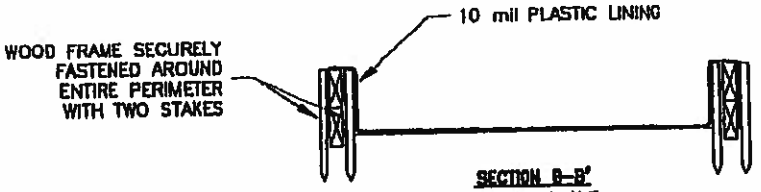
TYPICAL TIRE WASH
NOT TO SCALE

Silt Fence

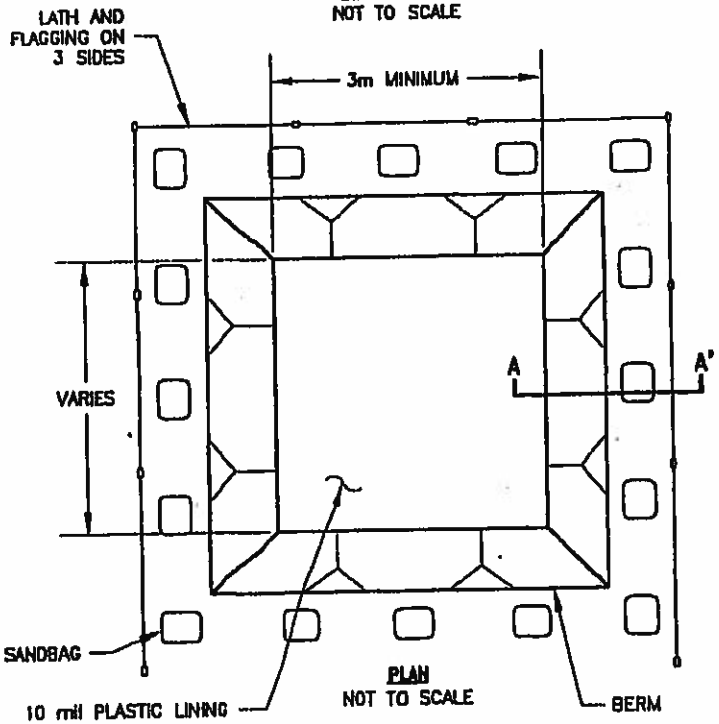
SC-1



SECTION A-A'
NOT TO SCALE

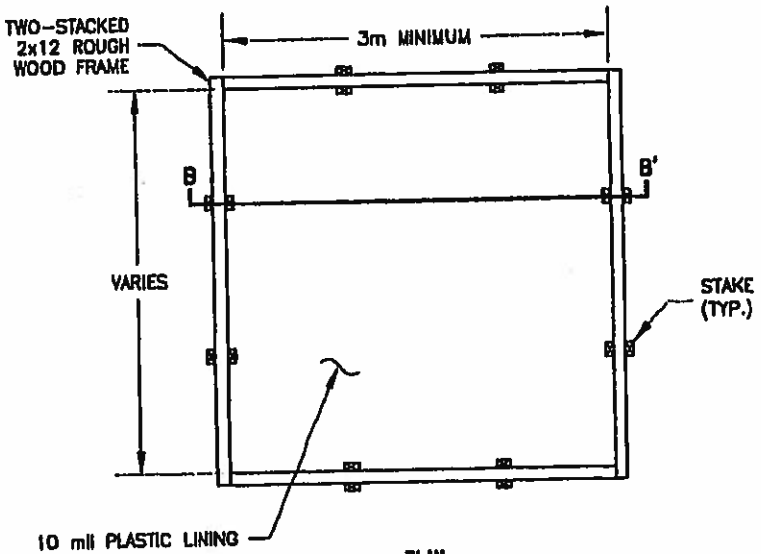


SECTION B-B'
NOT TO SCALE



PLAN
NOT TO SCALE

TYPE "BELOW GRADE"



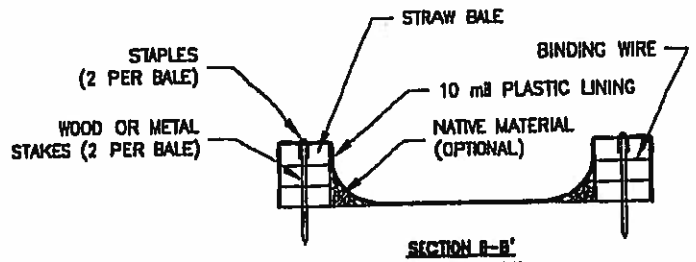
PLAN
NOT TO SCALE

TYPE "ABOVE GRADE" WITH WOOD PLANKS

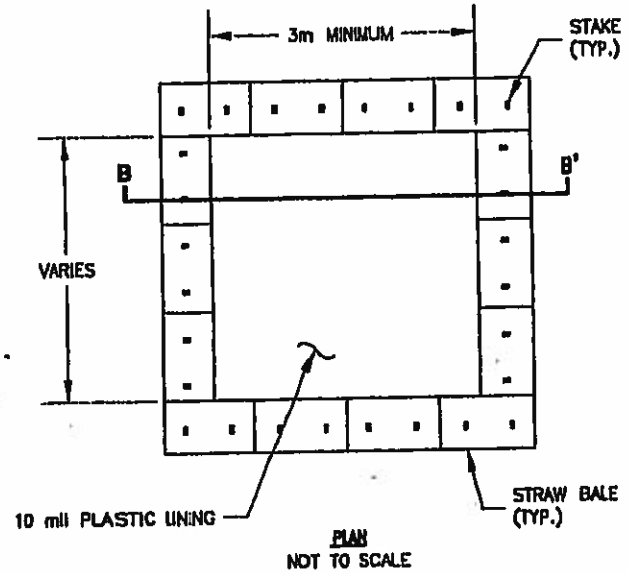
NOTES:

1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
2. THE CONCRETE WASHOUT SIGN (SEE PAGE 8) SHALL BE INSTALLED WITHIN 10 m OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

Concrete Waste Management

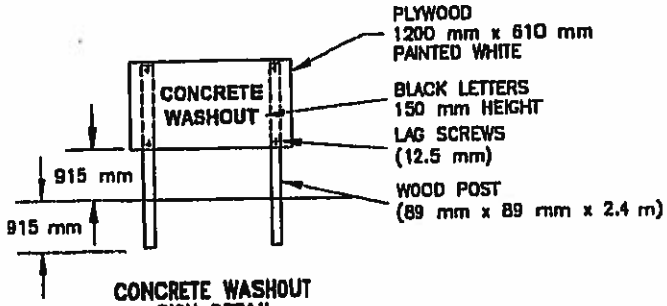


SECTION B–B'
NOT TO SCALE

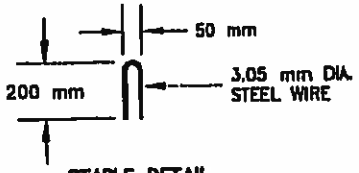


PLAN
NOT TO SCALE

TYPE "ABOVE GRADE"
WITH STRAW BALES



CONCRETE WASHOUT
SIGN DETAIL
(OR EQUIVALENT)

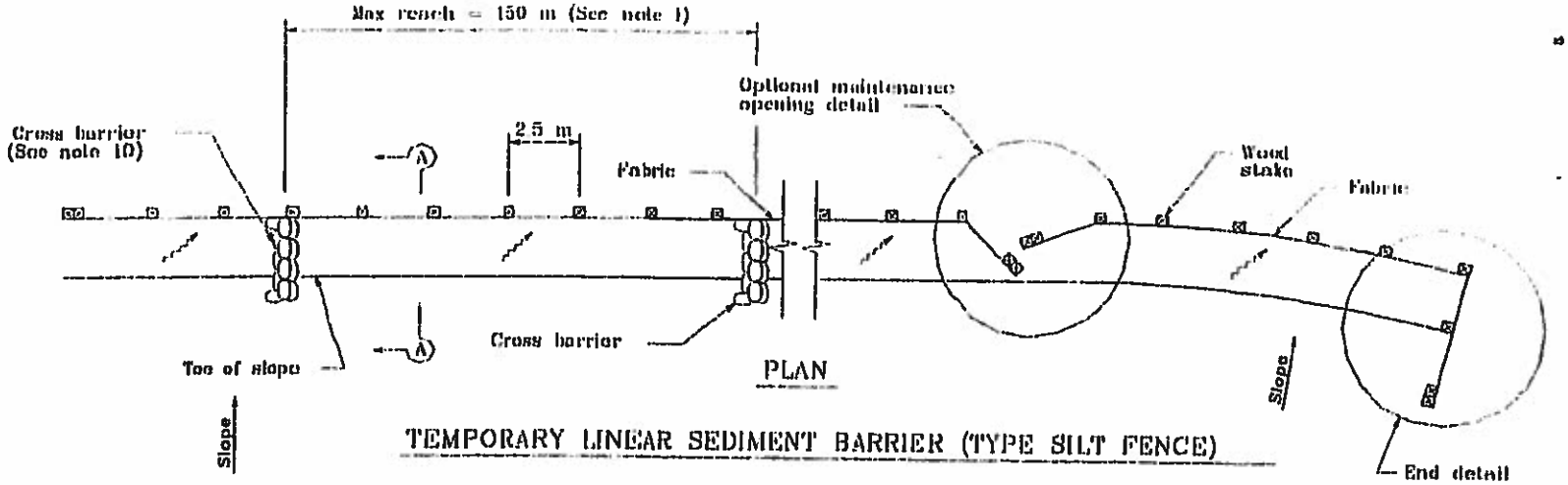


STAPLE DETAIL

NOTES:

1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
2. THE CONCRETE WASHOUT SIGN (SEE FIG. 4–15) SHALL BE INSTALLED WITHIN 10 m OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

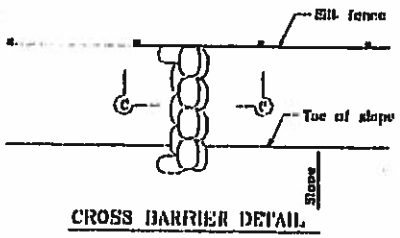
CALTRANS/FIG4-14.DWG SIC 8-14-02



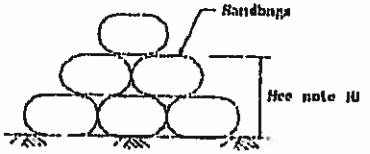
TEMPORARY LINEAR SEDIMENT BARRIER (TYPE SILT FENCE)

NOTES

1. Construct the length of each reach so that the change in base elevation along the reach does not exceed 1/3 the height of the linear barrier, in no case shall the reach length exceed 150m.
2. The last 2.5 m of fence shall be turned up slope.
3. Stake dimensions are nominal.
4. Dimension may vary to fit field condition.
5. Stakes shall be spaced at 2.5 m maximum and shall be positioned on downstream side of fence.
6. Stakes to overlap and fence fabric to fold around each stake one full turn. Secure fabric to stake with 4 staples.
7. Stakes shall be driven tightly together to prevent potential flow-through of sediment at joint. The tops of the stakes shall be secured with wire.
8. For end stake, fence fabric shall be folded around two stakes one full turn and secured with 4 staples.
9. Minimum 4 staples per stake. Dimensions shown are typical.
10. Cross barriers shall be a minimum of 1/3 and a maximum of 1/2 the height of the linear barrier.
11. Maintenance openings shall be constructed in a manner to ensure sediment remains behind silt fence.
12. Joining sections shall not be placed at sump locations
13. Sandbag rows and layers shall be offset to eliminate gaps.



CROSS BARRIER DETAIL



SECTION C-C

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY LINEAR SEDIMENT BARRIER
(TYPE SILT FENCE)

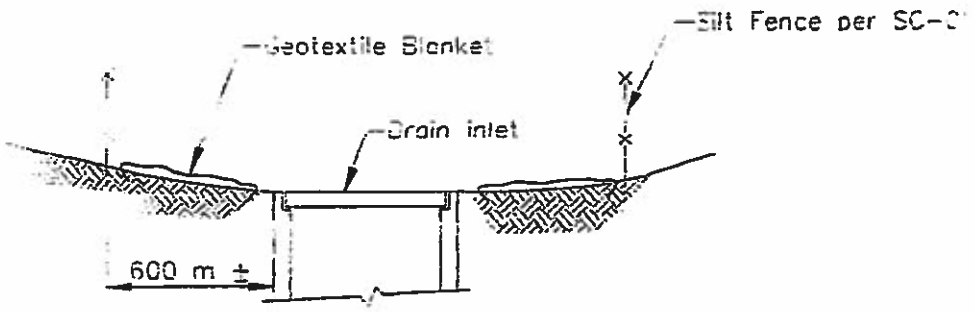
NO SCALE

ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

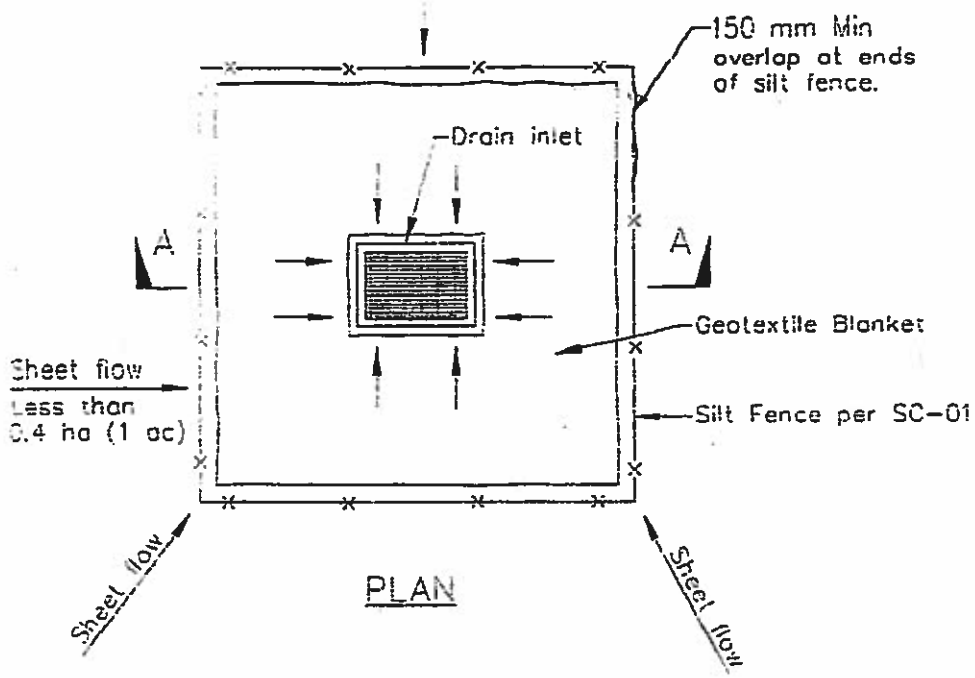
LEGEND

- Tamped backfill
- Slope direction
- Direction of flow

Storm Drain Inlet Protection



SECTION A–A



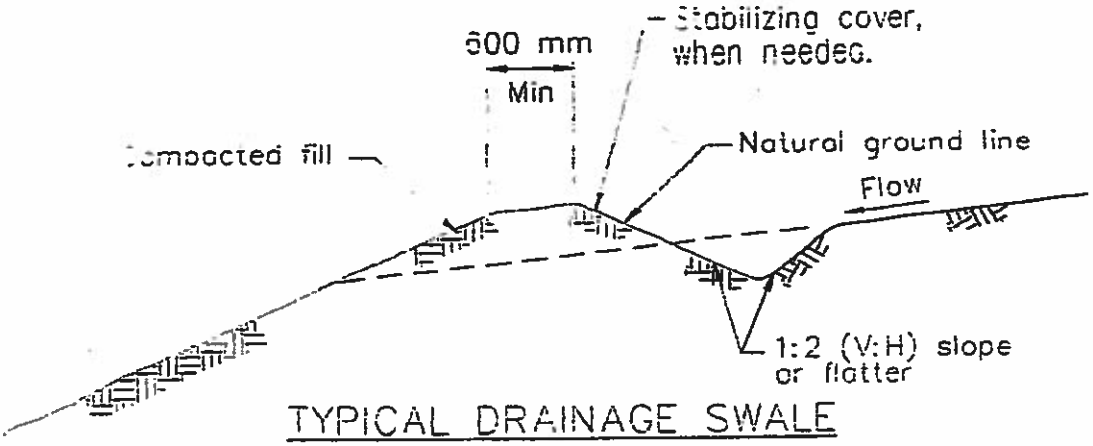
PLAN

DI PROTECTION TYPE 1
NOT TO SCALE

NOTES:

1. For use in areas where grading has been completed and final soil stabilization and seeding are pending.
2. Not applicable in paved areas.
3. Not applicable with concentrated flows.

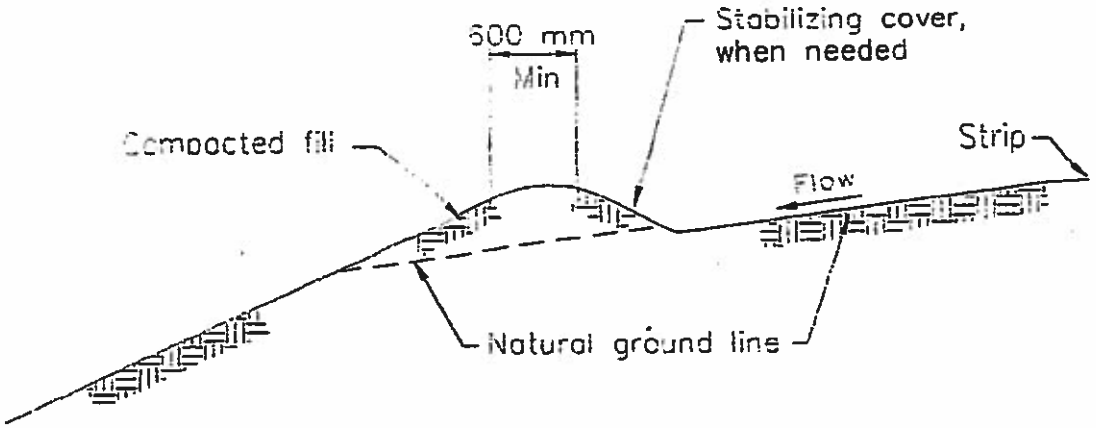
Earth Dikes/Drainage Swales and Lined Ditches



TYPICAL DRAINAGE SWALE
NOT TO SCALE

NOTES:

1. Stabilize inlet, outlets and slopes.
2. Properly compact the subgrade, in conformance with Section 19-5 of the Caltrans Standard Specifications.

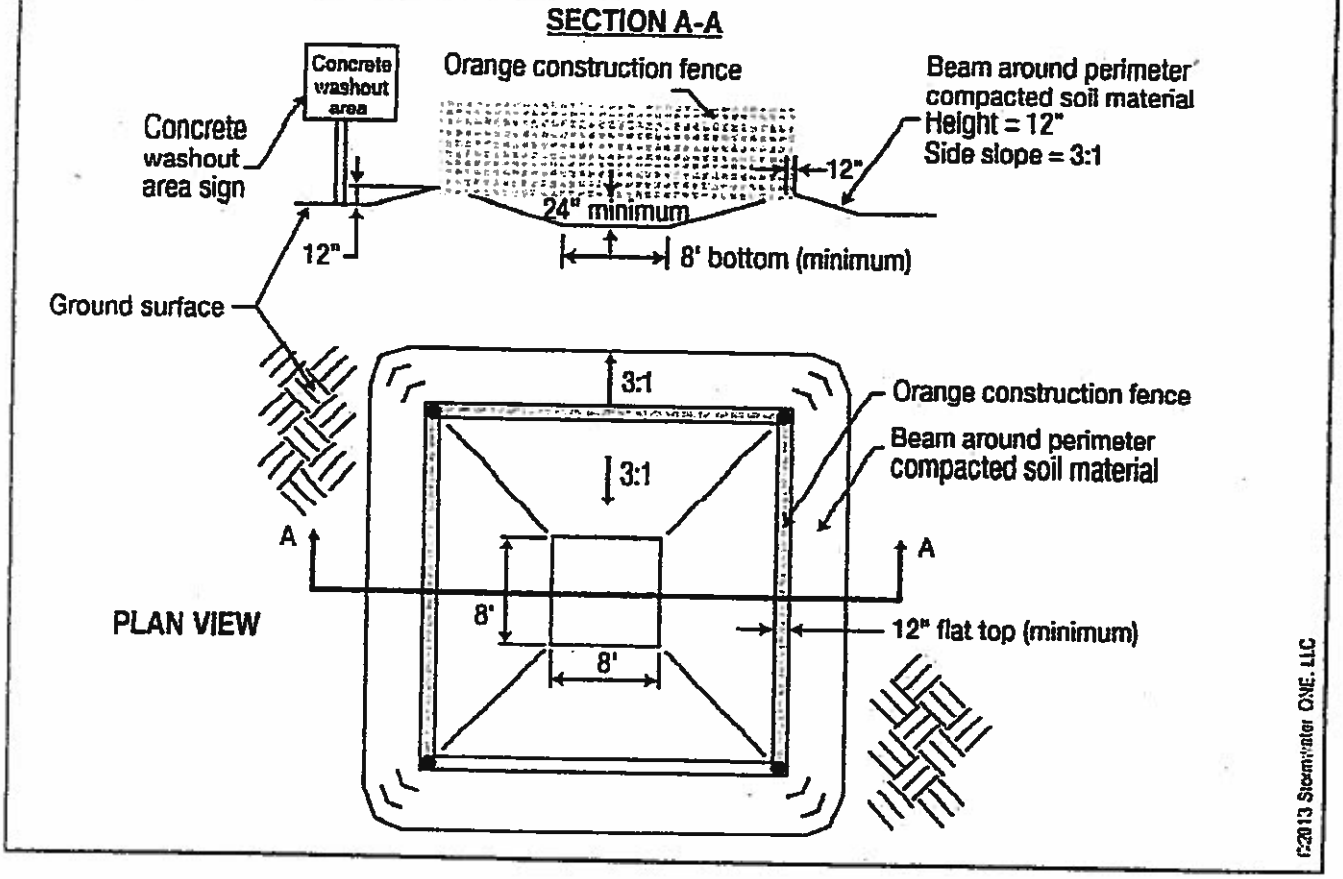


TYPICAL EARTH DIKE
NOT TO SCALE

BMP Detail Series©

StormwaterONE

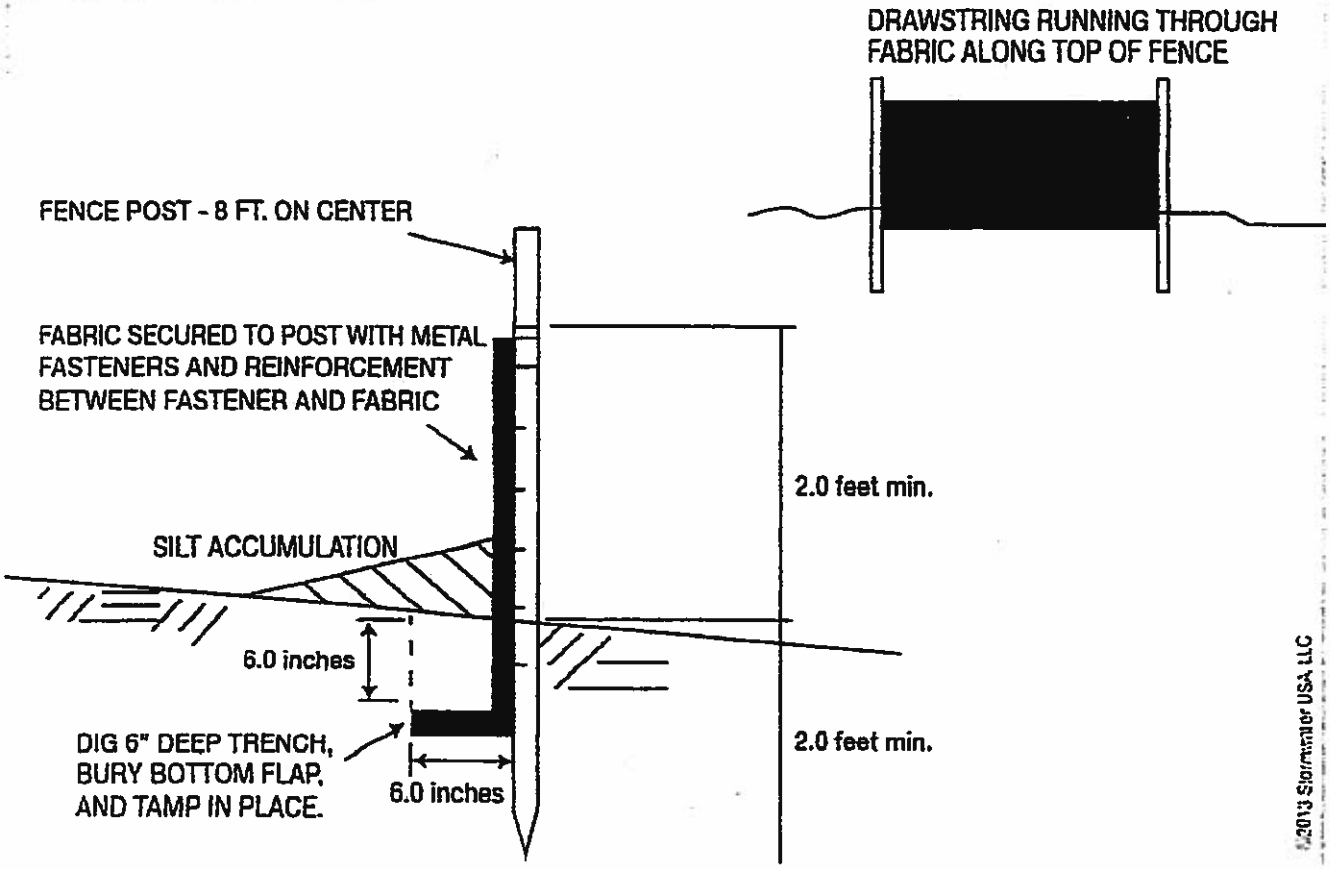
CONCRETE WASHOUT AREA DETAIL



BMP Detail Series©

StormwaterONE

SILT FENCE DETAIL

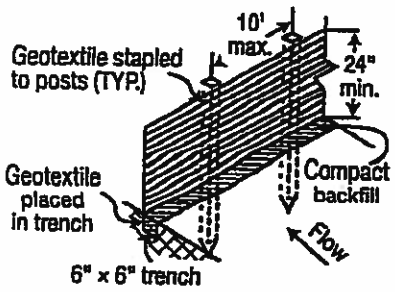


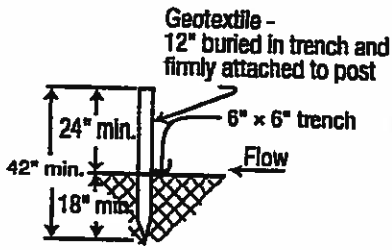
BMP Detail Series

BARRIERS AND PERIMETER CONTROL DETAIL

JTES:

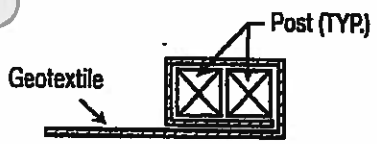
1. SILT FENCE SHALL HAVE A MAXIMUM DRAINAGE AREA OF ONE-QUARTER ACRE PER 100 FEET OF SILT FENCE LENGTH; MAXIMUM SLOPE LENGTH BEHIND BARRIER IS 100 FEET; MAXIMUM GRADIENT BEHIND THE BARRIER IS 2:1.
2. SILT FENCE USED AT TOE OF SLOPE SHALL BE PLACED 5 TO 10 FEET BEYOND TOE OF SLOPE TO PROVIDE STORAGE CAPACITY.
3. SILT FENCE SHALL BE PLACED ON THE CONTOUR, WITH ENDS FLARED UP SLOPE.





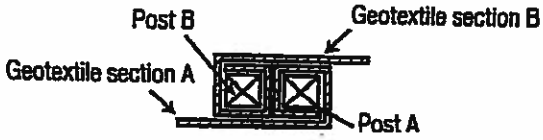
SILT FENCE

- GEOTEXTILE SHALL BE ATTACHED TO WOOD POSTS WITH THREE OR MORE STAPLES PER POST.
- STAPLES SHALL BE ½".
- WOOD POST SHALL BE 1½" x 1½" MINIMUM.



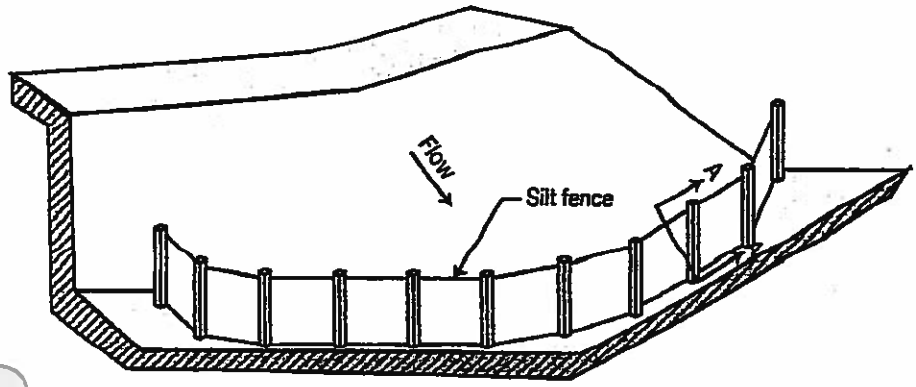
END SECTION DETAIL (PLAN VIEW)

- GEOTEXTILE SHALL BE FOLDED AROUND TWO POSTS ONE FULL TURN. SECURE GEOTEXTILE TO POST WITH THREE STAPLES MINIMUM.

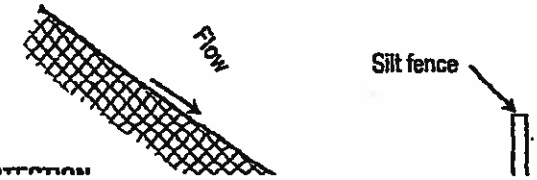


JOINING SECTION DETAIL (PLAN VIEW)

- FOLD GEOTEXTILE AROUND EACH POST ONE FULL TURN. SECURE GEOTEXTILE TO POST WITH THREE STAPLES MINIMUM.
- POSTS SHALL BE TIGHTLY ABUTTED WITH NO GAPS TO PREVENT POTENTIAL FLOW-THROUGH OF SEDIMENT AT JOINT.



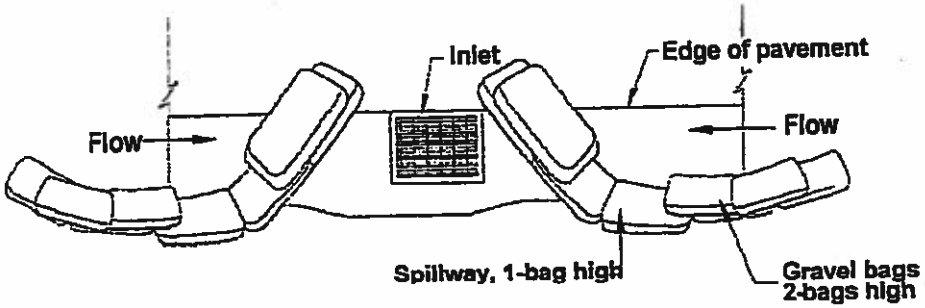
ISOMETRIC VIEW



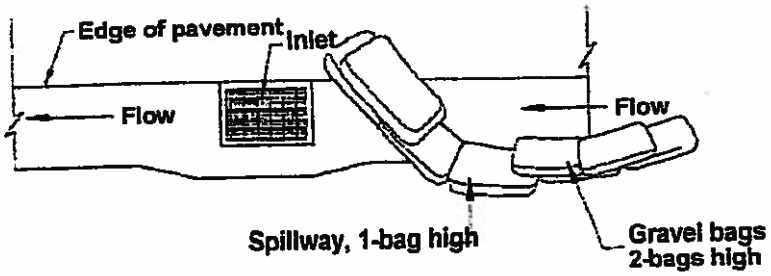
TOE OF SLOPE PROTECTION

ET PROTECTION DEVICE DETA

TYPICAL PROTECTION FOR INLET WITH OPPOSING FLOW DIRECTIONS



TYPICAL PROTECTION FOR INLET WITH SINGLE FLOW DIRECTION



Note:

1. Intended for short-term use.
2. Use to inhibit non-storm water flow.
3. Allow for proper maintenance and cleanup.
4. Bags must be removed after adjacent operation is completed.
5. Not applicable in areas with high silts and clays without filter fabric.