

NOTE:  
 FABRIC COST IS CONSIDERED TO BE INCLUDED WITH THE SQ. YD. UNIT COST OF RIP RAP BEING INSTALLED

\* DIMENSIONS SHALL BE ADJUSTED ACCORDINGLY TO UPSTREAM OFFSITE CONDITIONS PER THE DESIGN ENGINEER'S DRAINAGE CALCULATIONS.

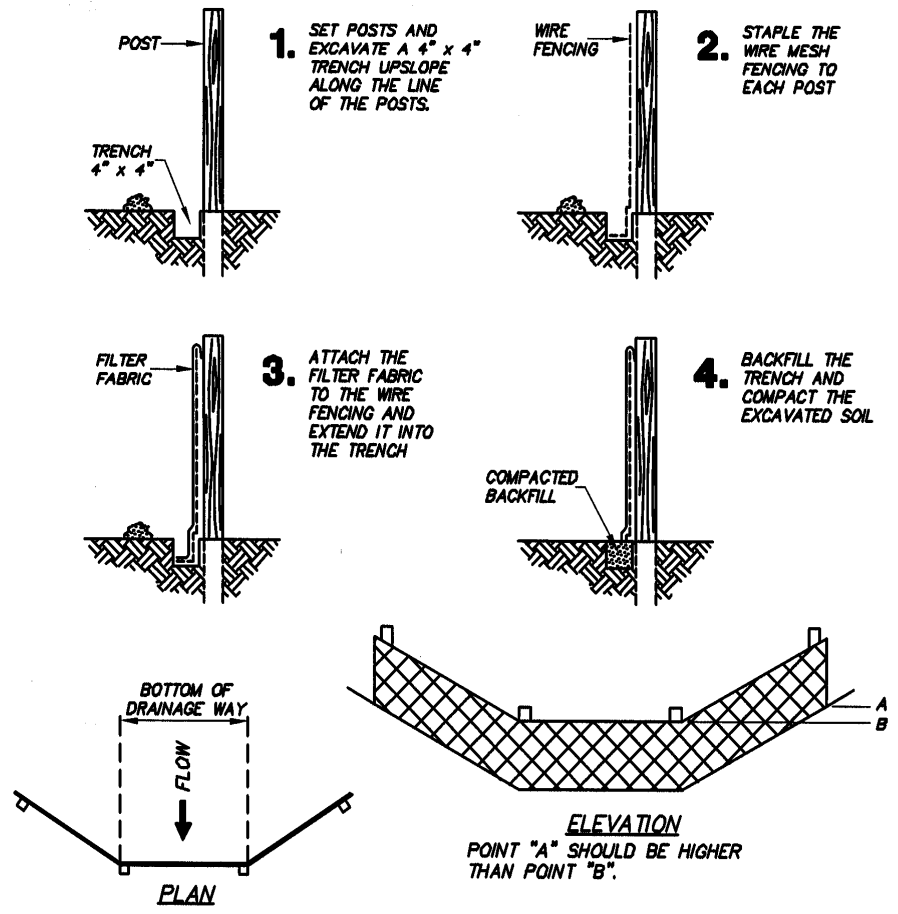
\*\* IF ADDITIONAL OFFSITE DRAINAGE AREA FLOWS THROUGH THE SITE, SURFACE CONDITION MAY BE 6" TO 8" SIZE RIP RAP. IF ONLY SITE FLOWS THROUGH THE DETENTION AREA THEN SODDING MAY BE SUFFICIENT. THE DESIGN ENGINEER SHALL PROVIDE ADEQUATE EROSION PROTECTION TO KEEP SWALE FROM WASHING OUT.

| VILLAGE OF LAKE IN THE HILLS<br>PUBLIC WORKS DEPARTMENT<br>DATE APPROVED: 12-09-04 | REVISIONS |    |      |
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STORM WATER DETENTION POND  
 OVERFLOW SWALE DETAIL

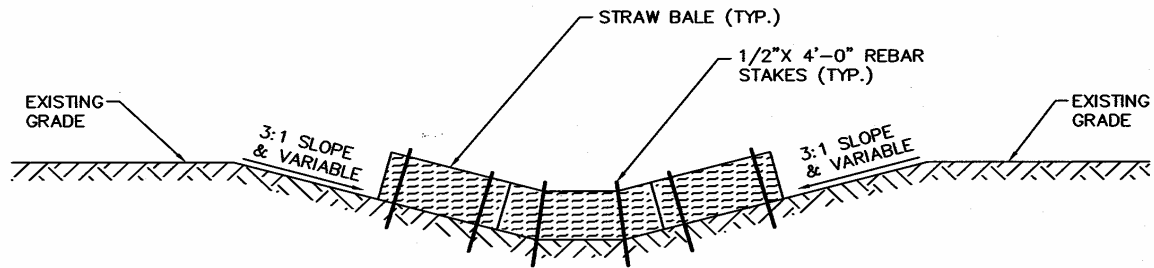
**MAINTENANCE**

1. Filter barriers shall be inspected immediately after each rainfall and at least daily during prolonged rainfall. Any required repairs shall be made immediately.
2. Should the fabric decompose or become ineffective prior to the end of the expected usable life and the barrier still be necessary, the fabric shall be replaced promptly.
3. Sediment deposits should be removed after each storm event. They must be removed when deposits reach approximately half the height of the barrier.
4. Any sediment deposits remaining in place after the silt fence or filter barrier is no longer required shall be dressed to conform with the existing grade, prepared and seeded.



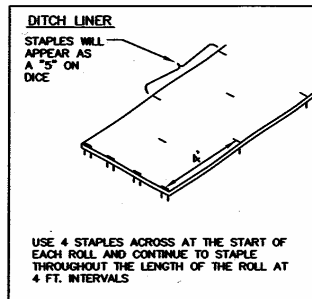
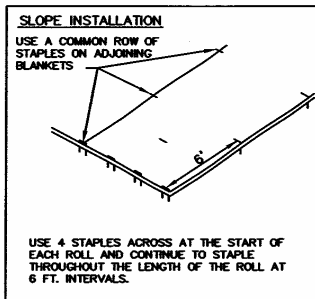
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TEMPORARY SILTATION  
FENCE DETAIL



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| VILLAGE OF LAKE IN THE HILLS | REVISIONS |    |      |
|                              | NO.       | BY | DATE |
| PUBLIC WORKS DEPARTMENT      | 1.        |    |      |
| DATE APPROVED: 12-09-04      | 2.        |    |      |
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TEMPORARY STRAW BALE  
DITCH CHECK DETAIL



**STAPLING INSTRUCTIONS FOR AMXCO CURLEX BLANKETS:**

USE WIRE STAPLES .091" IN DIAMETER OR GREATER, "U" SHAPED WITH LEGS 6" IN LENGTH AND A 1" CROWN. SIZE AND GAUGE OF STAPLES USED WILL VARY WITH SOIL CONDITIONS. DRIVE STAPLES VERTICALLY INTO THE GROUND. USE FOUR STAPLES ACROSS AT THE START OF EACH ROLL. FOR SLOPE INSTALLATION, CONTINUE TO STAPLE ALONG THE LENGTH OF THE ROLL AT 6 FT. INTERVALS. FOR DITCH LINER, STAPLE ALONG THE LENGTH OF THE ROLL AT 4 FT. INTERVALS. ANOTHER ROW OF STAPLES IN THE CENTER OF EACH BLANKET SHOULD BE ALTERNATELY SPACED BETWEEN EACH SIDE FOR EITHER SLOPE OR DITCH. USE A COMMON ROW OF STAPLES ON ADJOINING BLANKETS.

**INSTALLATION INSTRUCTIONS:**

PROPERLY PREPARE, FERTILIZE AND SEED AREA TO BE COVERED BEFORE BLANKET IS APPLIED. WHEN THE BLANKET IS UNROLLED, NETTING SHOULD BE ON TOP AND FIBERS IN CONTACT WITH THE SOIL OVER THE ENTIRE AREA. IN DITCHES, APPLY BLANKETS IN THE DIRECTION THE WATER FLOWS, BUTTING THEM AT THE ENDS AND SIDES AND THEN STAPLING. ON SLOPES, APPLY BLANKETS EITHER HORIZONTALLY OR VERTICALLY TO SLOPE, BUTT ENDS AND SIDES AND THEN STAPLE. IT IS NOT NECESSARY TO DIG CHECK SLOTS, ANCHOR DITCHES OR BURY ENDS OF BLANKETS UNLESS CALLED FOR IN DESIGN SPECIFICATIONS.

**ROLL SIZE**

WIDTH . . . . . 48 IN. (+/- 1 IN.)  
 LENGTH . . . . . 180 FT. AVERAGE  
 WEIGHT PER ROLL . . . . . 78 lbs. (+/- 10%)  
 SQUARE YARDS PER ROLL . . . . . 80 AVERAGE

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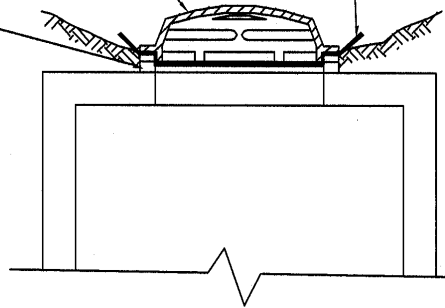
EXCELSIOR BLANKET INSTALLATION DETAIL

NOTE: ENGINEERING FABRIC SHALL BE PLACED AS SHOWN, ON ALL INLETS TO THE STORM SEWER.

ENGINEERING FABRIC (TO BE REMOVED AT THE DIRECTION OF THE ENGINEER AFTER CONSTRUCTION IS COMPLETE AND SEEDING HAS TAKEN HOLD; ALSO TO BE REMOVED AND REPLACED AFTER EACH STORM OR MONITORED ON A WEEKLY BASIS.

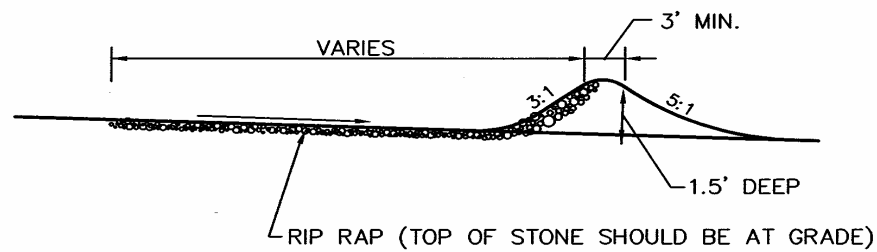
EJW 6517 GRATE  
TYPE 1 FRAME - OPEN LIDS

MANHOLE  
ADJUSTING  
RINGS



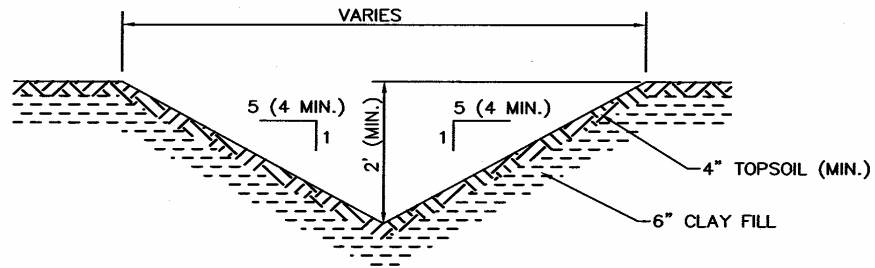
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TEMPORARY SILTATION FABRIC  
INSTALLATION BETWEEN INLET  
FRAME AND GRATE



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PERMANENT DITCH CHECK DETAIL



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DRAINAGE SWALE DETAIL