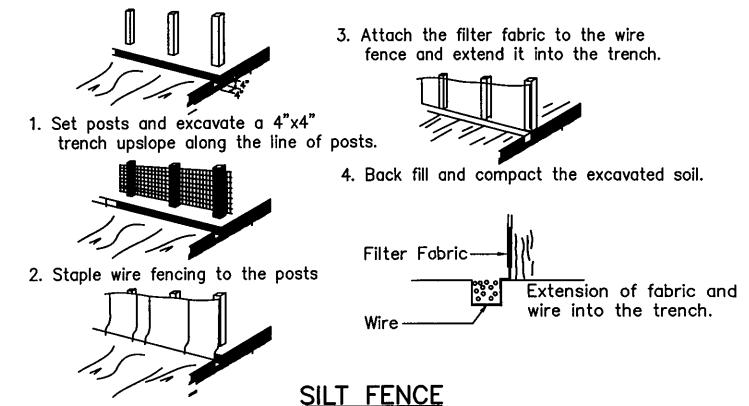
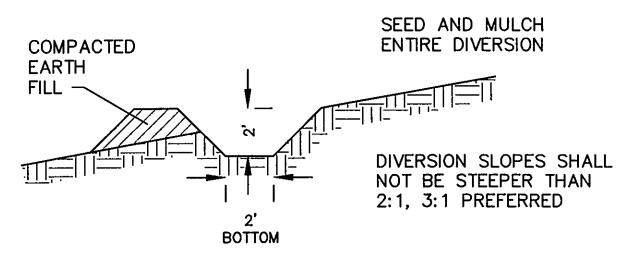
- SILT FENCE:
 THIS SEDIMENT BARRIER UTILIZES STANDARD STRENGTH OR EXTRA STRENGTH SYNTHETIC FILTER FABRICS. IT IS DESIGNED FOR SITUATIONS IN WHICH ONLY SHEET OR OVERLAND FLOWS ARE EXPECTED. SEE DIAGRAM.
- 1 THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 36 INCHES (HIGHER FENCES MAY IMPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE.)
- 2 THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINT. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND SECURELY SEALED.
- 3 POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 12 INCHES) WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET.
- 4 A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES WIDE AND 4 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPED FROM THE BARRIER.
- 5 WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRES OF HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
- 6 THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 8 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NO EXCEED MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO THE EXISTING TREES.
- 7 WHEN EXTRA STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISIONS OF ITEM NO. 6 APPLYING.
- 8 THE TRENCH SHALL BE BACK FILLED AND SOIL COMPACTED OVER THE FILTER FABRIC.
- 9 SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.

- 1 SILT FENCES AND 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 ON A SILT FENCE OF FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER IS STILL 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 ONE-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.



NOT TO SCALE

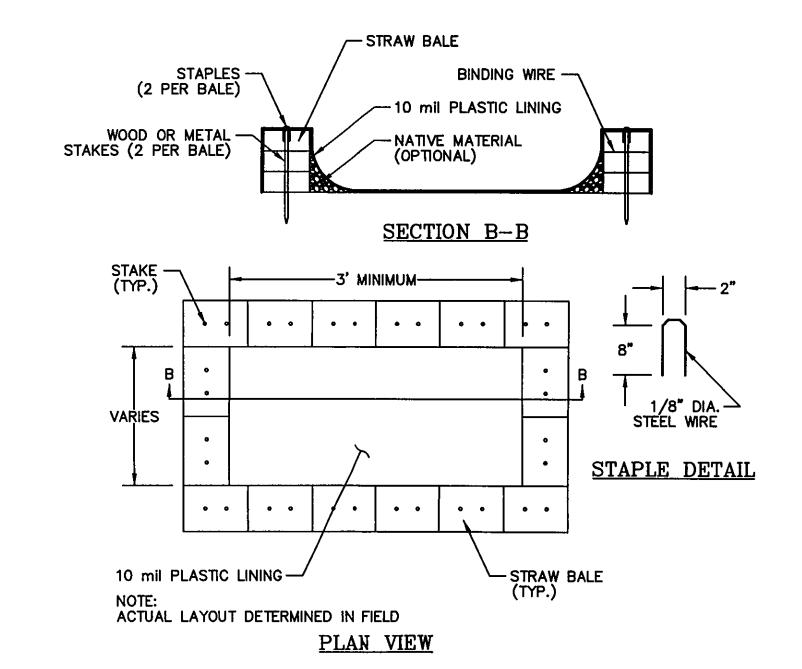


- DIVERSION SHALL BE COMPACTED BY TRAVERSING WITH TRACKED EARTH MOVING EQUIPMENT.
- DIVERSIONS SHALL NOT BE BREACHED OR LOWERED TO ALLOW CONSTRUCTION TRAFFIC TO CROSS; INSTEAD THE TOP WIDTH MAY BE MADE WIDER AND SIDE SLOPES MADE FLATTER THAN SPECIFIED ABOVE.
- 3. DIVERSIONS SHALL BE STABILIZED WITH VEGETATION AND CHECK DAMS OR THE FOLLOWING TREATMENTS:

| PERMINENT DIVERSION STABILIZATION TREATMENT | | | |
|---|-----------|--------------|---------------|
| DIVERSION SLOPE | < 2 ACRES | 2 TO 5 ACRES | 5 TO 10 ACRES |
| 0 - 3% | MATTING | MATTING | MATTING |
| 3 - 5% | MATTING | MATTING | MATTING |
| 5 - 8% | MATTING | MATTING | MATTING |
| 8 - 20% | MATTING | MATTING | ENGINEERED |
| NOTE | | | 1. |

- DIVERSIONS WITH STEEPER SLOPES OR GREATER DRAINAGE AREAS ARE BEYOND THE SCOPE OF THIS STANDARD AND MUST BE DESIGNED FOR STABILITY.
- SEED, STRAW AND MATTING USED SHALL MEET THE SPECIFICATIONS FOR TEMPORARY SEEDING, MULCHING AND MATTING.

SPECIFICATIONS FOR TEMPORARY DIVERSION DITCH NOT TO SCALE



CONCRETE WASHOUT PIT NOT TO SCALE

Seeding and mulching of all disturbed areas whether permanent or temporary must follow the following schedule as applicable:

TABLE 1: PERMANENT STARILIZATION

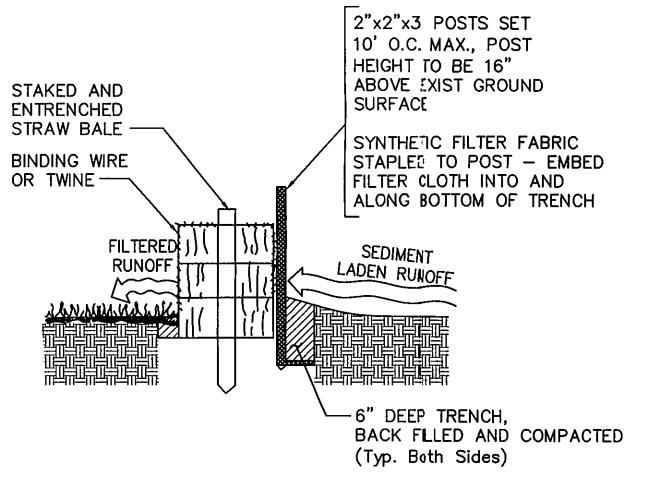
| | ENT OTABLEZATION | |
|---|---|--|
| | ં પંચાલના હાલ્યમાં આવ્યા છે. | |
| Any area that will lie dormant for one year or more. | Within 7 days of the most recent disturbance. | |
| Any area within 50 feet of a stream and at final grade. | Within 2 days of reaching final grade. | |
| Any area at final grade. | Within 7 days of reaching final grade within that area. | |

TARIE 2. TEMPODADY STABILIZATION

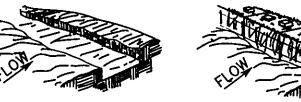
| IABLE 2: IEMPORA | ARY STABILIZATION |
|--|--|
| ្នាស់ ស្រីស្រាស្ត្របើលើ ស្រីស្រាស់ ស្រីស្រីស្រីស្រីស្រីស្រីស្រីស្រីស្រីស្រី | ाताक्षराता ४०० छत्रीय व्यासामा सामाना । |
| Any disturbed area within 50 feet of a stream and not at final grade. | Within 2 days of the most recent disturbance, if that area will remain idle for more than 21 days. |
| For all construction activities, any disturbed area, including soil stockpiles, that will be dormant for more than 21 days but less than one year, and not within 50 feet of a stream. | Within 7 days of the most recent disturbance within the area. |
| Disturbed areas that will be idle over the winter. | Prior to November 1. |
| NOTE: Minor constation at the first of the first | |

NOTE: Where vegetative stabilization techniques may cause structural instability or are otherwise unobtainable, alternative stabilization techniques must be employed. These techniques may include mulching, erosion matting, or placement of stone.

As required by the Ohio EPA NPDES General Construction Permit OHC000002



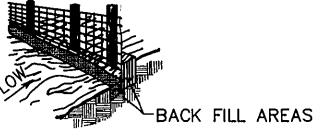
PROPERLY INSTALLED COMBINATION BARRIER (Cross Section) NOT TO SCALE



(1) EXCAVATE THE TRENCH (2) INSTALL AND STAKE STRAW BALES * Trench shall be wide enough for bale plus silt fence.

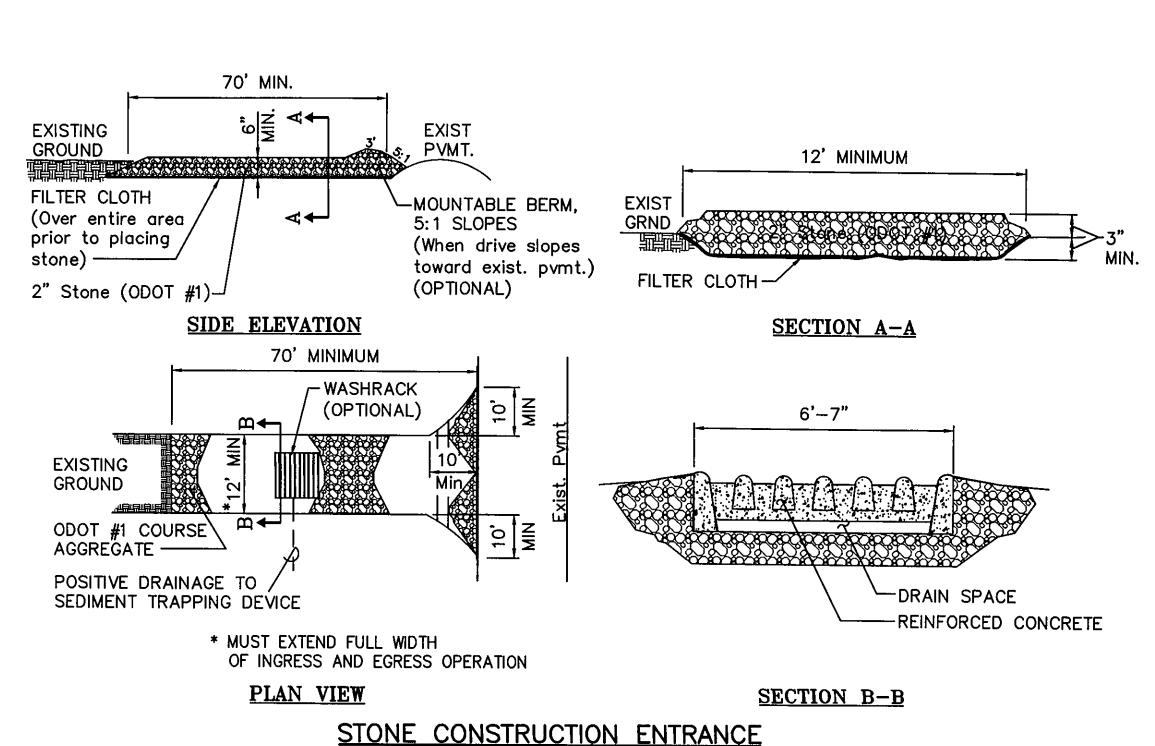


(3) STAKE SILT FENCE



(4) BACK FILL AND COMPACT THE EXCAVATED SOIL.

COMBINATION SEDIMENT BARRIER NOT TO SCALE



NOT TO SCALE

I HESS & ASSOCIATES ENGINEERING INC. 12121 KINSMAN ROAD NEWBURY, OHIO 44065

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PREPARED UNDER THE

SUPERVISION OF: **GEORGE** HESS II E-56835

REVISIONS

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SWPPP

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Prepared For: Mr. Bryan Shantery 5795 Taylor Rd. Leroy Twp., OH 44077

HESS Project # 07-016 DESIGNED BY: CRE DRAWN BY : CRE CHECKED BY : GJH SCALE

: 8/2007 : N/A H. : N/A V.