NOTES:

1) THE SILT FENCE SHALL BE A WOVEN, POLYPROPYLENE, POLYESTER, OR POLYAMIDE MATERIAL, THAT SHALL BE RESISTANT TO ULTRAVIOLET DEGRADATION AND ROT. THE EDGES OF WOVEN FABRIC SHALL BE SEALED OR SELVAGED TO PREVENT RAVELING. THE FABRIC SHALL EXHIBIT THE FOLLOWING PHYSICAL PROPERTIES WHEN SAMPLED AND TESTED USING THE SPECIFIED METHODS.

PROPERTY	TEST METHODS	VALUES	PROPERTY	TEST METHODS	VALUES
Grab Tensile	ASTM D-4632	100 Lb. (Min.)	UV Resistance	ASTM D-4355	80% (Min.)
Elongation @ Yield	ASTM D-4632	10-40% (Max.)	Apparent Opening Size	ASTM D-4751	20-50 US Sieve
Trapezoid Tear	ASTM D-4533	50 Lb. (Min.)	Permittivity 1/sec	ASTM D-4491	0.1 (Min.)

PREFABRICATED FENCE SYSTEMS MAY BE USED, PROVIDED THEY MEET ALL THE MATERIAL REQUIREMENTS.

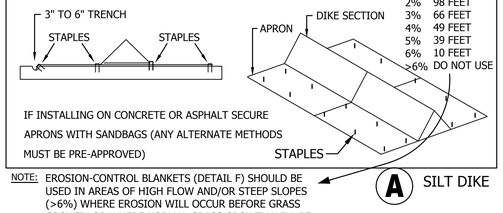
2) EROSION CONTROL MEASURES SHALL REMAIN UNTIL 70% STAND OF GRASS IS ESTABLISHED.

3) ALTERNATE EROSION CONTROL DEVICES AND MEASURES MAY BE USED AS LONG AS THEY ARE IN ACCORDANCE WITH DEVICES AND MEASURES APPROVED BY THE OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY.

TEMPORARY SILT DIKES

SHALL BE TRIANGULAR-SHAPED, HAVING A HEIGHT OF AT LEAST EIGHT TO TEN INCHES (8" - 10") IN THE CENTER WITH EQUAL SIDES AND A SIXTEEN TO TWENTY INCH (16" - 20") BASE. TRIANGULAR-SHAPED INNER MATERIAL SHALL BE URETHANE FOAM. OUTER COVER SHALL BE WOVEN GEOTEXTILE FABRIC PLACED AROUND INNER MATERIAL AND ALLOWED TO EXTEND BEYOND BOTH SIDES OF TRIANGLE TWO TO THREE (2' - 3') FEET. STANDARD LENGTH OF EACH DIKE WILL BE SEVEN FEET (7') UNLESS OTHERWISE INDICATED ON PLANS. DIKES SHALL BE ATTACHED TO GROUND WITH WIRE STAPLES. STAPLES SHALL BE NO. 11 GAUGE WIRE AND BE AT LEAST SIX TO EIGHT (6" - 8") INCHES LONG. STAPLES SHALL BE PLACED AS INDICATED ON INSTALLATION DETAIL. DIKES SHALL BE USED AS A CONTINUOUS LINE BARRIER AT THE TOE OF SLOPE OR R/W LINE TO CONTAIN SEDIMENT OR AS A DITCH BARRIER PLACED PERPENDICULAR TO THE FLOW OF WATER IN A DEFINED DRAINAGE DITCH TO MINIMIZE EROSION AND CONTAIN SEDIMENT. THESE DIKES SHALL BE INSTALLED AND LOCATED AS SOON AS CONSTRUCTION WILL ALLOW OR AS DIRECTED BY THE ENGINEER. ANY DEFICIENCIES OR DAMAGE FOUND DURING INSPECTIONS SHALL BE REPAIRED BY THE CONTRACTOR IMMEDIATELY.

SPACNG	
1%	200 FEET
2%	98 FEET
3%	66 FEET
4%	49 FEET
5%	39 FEET
6%	10 FEET
>6%	DO NOT USE



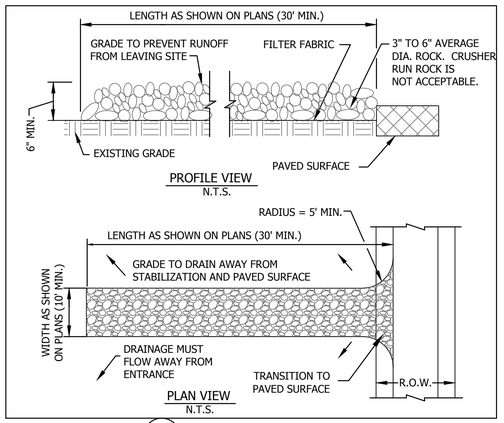
NOTE: EROSION-CONTROL BLANKETS (DETAIL F) SHOULD BE USED IN AREAS OF HIGH FLOW AND/OR STEEP SLOPES (>6%) WHERE EROSION WILL OCCUR BEFORE GRASS GROWTH OR WHERE NORMAL GRASS GROWTH WILL BE HINDERED BY POOR SOIL QUALITY.

A SILT DIKE

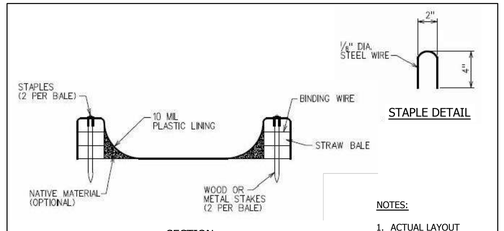
INSPECTIONS

(DOCUMENTATION OF INSPECTIONS IS REQUIRED AS WELL AS ON-SITE RETENTION OF ALL INSPECTION RECORDS)

- PERFORMED EVERY SEVEN DAYS OR AFTER ANY 1/2 INCH RAIN.
- MAJOR OBSERVATIONS TO BE MADE DURING INSPECTIONS:
  - -LOCATIONS OF DISCHARGE OF SEDIMENT OR OTHER POLLUTANTS.
  - -LOCATIONS OF BMP'S THAT ARE NEEDING MAINTENANCE.
  - -LOCATIONS OF BMP'S THAT ARE NOT PERFORMING, FAILING TO OPERATE, OR ARE INADEQUATE.
  - -LOCATIONS WHERE ADDITIONAL BMP'S ARE NEEDED.



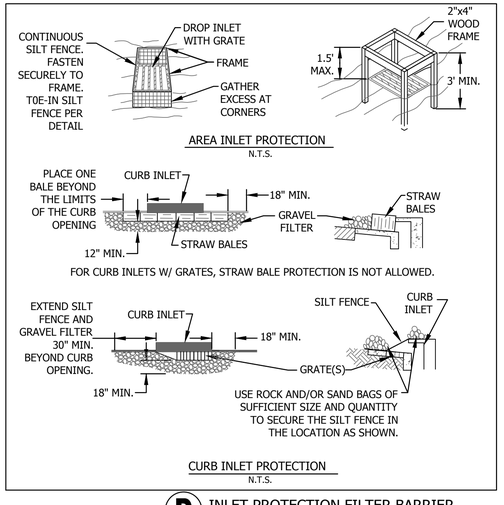
B STABILIZED CONSTRUCTION ENTRANCE



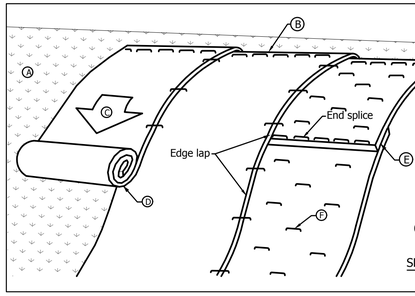
NOTES:

1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
3. WASH AREA TO BE CLEANED UP AND REMOVED AT END OF PROJECT AND AREA SOILED AND SODDED.

C CONCRETE TRUCK WASH AREA



D INLET PROTECTION FILTER BARRIER



A. Prepare seedbed and apply seed and fertilizer prior to installation, if applicable.

B. Install anchor trench at top of the slope. Place backfill and compact the trench after stapling. If surface is seeded, apply seed and fertilizer to compacted trench, fold remaining portion of the RECP over compacted soil, and staple in place.

C. Carefully unroll product down the slope or along the slope as specified.

D. Overlap adjacent rolls a minimum of 2 in. and anchor in place.

E. Lap consecutive rolls down slope a minimum of 3 in., shingle-style, and install anchors across each splice.

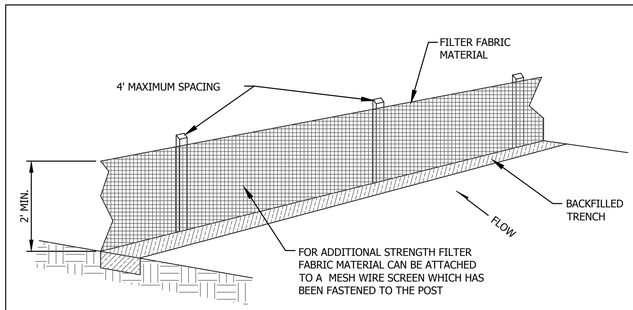
F. Anchor blanket to ground according to manufacturer's recommended anchoring pattern and minimum shown in Table.

Max. slope	Min. anchors
≤3:1	1.5/yd^2
2:1	2/yd^2
1:1	2.5/yd^2

BEST MANAGEMENT PRACTICES (BMPs)

POLLUTION THROUGH STORM RUNOFF IS INTENSIFIED AT CONSTRUCTION SITES DUE TO THE REMOVAL OF THE NATURAL GROUND COVER OF THE SITE, AS WELL AS THE INTRODUCTION OF HAZARDOUS CHEMICALS AND WASTES TO THE AREA. MEASURES ARE REQUIRED, BOTH DURING CONSTRUCTION AND AFTER THE COMPLETION OF CONSTRUCTION, TO STABILIZE THE SITE. STABILIZATION OF THE SITE DURING CONSTRUCTION ACTIVITIES CONSISTS OF THE INSTALLATION OF TEMPORARY OR PERMANENT MEASURES TO PREVENT EROSION, OR TO INTERCEPT SEDIMENT PRIOR TO IT LEAVING THE SITE. THIS CAN BE ACCOMPLISHED THROUGH THE USE OF GROUND COVER MULCHING, PAVING, SILT FENCES, AND SEDIMENT BASINS, ALONG WITH CONSTRUCTION METHODS, TO REDUCE THE DISTURBED AREAS OF CONSTRUCTION.

ALL WORK CONSISTS OF FURNISHING, INSTALLING, MAINTAINING, AND, WHEN REQUIRED, REMOVING EROSION CONTROL DEVICES.



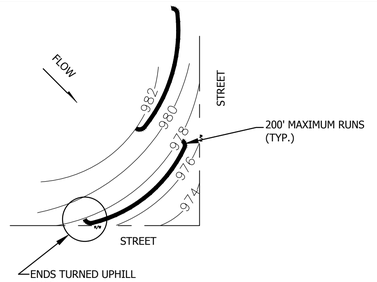
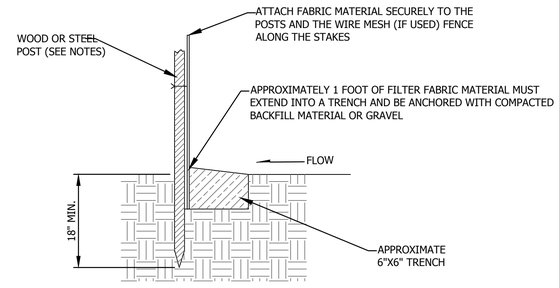


FIGURE A

PLAN



PROFILE

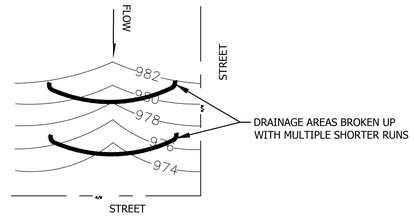


FIGURE B

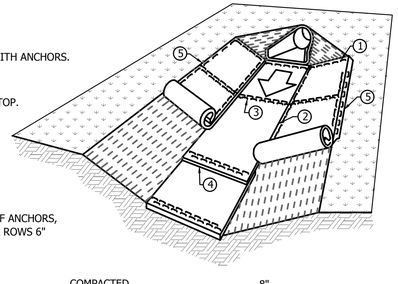
FIGURE C

NOTES:

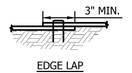
1. THE USE OF OR SILT DIKES IS THE CONTRACTOR'S OPTION.
2. THE SEDIMENT FENCES SHALL BE PLACED ALONG CONTOUR LINES, WITH A SHORT SECTION TURNED UPGRADE AT EACH END OF THE BARRIER TO HOLD WATER AND SEDIMENT (SEE FIGURE A).
3. AREAS THAT CONTAIN LARGER CONCENTRATIONS OF WATER SHALL LIMIT LENGTHS OF SILT FENCES TO NO LONGER THAN 200 FOOT LENGTHS (SEE FIGURE A).
4. AREAS SHOULD BE BROKEN UP WITH INTERIOR SEDIMENT FENCE TO MINIMIZE WATER CONCENTRATIONS AND LONG SLOPES (SEE FIGURE B).
5. SEDIMENT FENCES INSTALLED AT TOE OF SLOPES SHALL BE PLACED 5 FEET TO 10 FEET AWAY (DOWNSTREAM) TO CREATE SEDIMENT STORAGE (SEE FIGURE C).
6. DEPTH OF WATER CONCENTRATIONS SHOULD NOT EXCEED 1.5 FEET AT ANY POINT ALONG THE FENCE.

E SILT FENCE

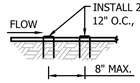
1. PLACE END OF FIRST ROLL IN THE ANCHOR SLOT AT THE CENTER OF THE UPSTREAM CHANNEL AND SECURE WITH ANCHORS.
2. POSITION ADJACENT ROLLS IN THE ANCHOR SLOT, OVERLAPPING ADJACENT ROLLS A MINIMUM OF 12 IN.
3. PLACE BACKFILL IN ANCHOR SLOT AND COMPACT. UNROLL RECP OVER COMPACTED SLOT AND SECURE WITH ANCHORS.
4. UNROLL RECP DOWNSTREAM. MAINTAIN A MINIMUM 12 IN. OVERLAP BETWEEN ADJACENT ROLLS. SECURE EDGE LAP WITH ANCHORS.
5. INSTALL INTERMITTENT STAPLE CHECK SLOTS EVERY 30 FT.
6. CONSTRUCT END LAP AT END OF ROLL AND BEGINNING OF NEW ROLL. OVERLAP ROLL ENDS WITH UPSTREAM RECP ON TOP.
7. EXCAVATE LONGITUDINAL TRENCH ALONG BOTH SIDES OF THE CHANNEL AT THE OUTSIDE EDGES OF INSTALLATION. PLACE OUTER EDGES OF RECP INTO LONGITUDINAL SLOT. INSTALL ANCHORS, PLACE BACKFILL, AND COMPACT.
8. TERMINATE INSTALLATION AT DOWNSTREAM END WITH STAPLE CHECK.
9. INSTALL ANCHORS IN A REGULAR PATTERN OVER ENTIRE AREA COVERED ACCORDING TO MANUFACTURER'S PUBLISHED RECOMMENDATIONS (MINIMUM 3 ANCHORS PER SY).



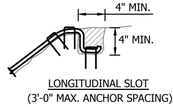
1. ANCHOR SLOT
2. EDGE LAP
3. STAPLE CHECK
4. END LAP
5. LONGITUDINAL SLOT



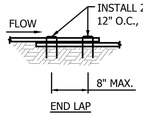
EDGE LAP
(4'-0" MAX. ANCHOR SPACING)



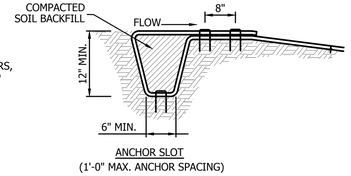
STAPLE CHECK



LONGITUDINAL SLOT
(3'-0" MAX. ANCHOR SPACING)



END LAP



ANCHOR SLOT
(1'-0" MAX. ANCHOR SPACING)

TRENCH INSTALLTION
N.T.S.

F EROSION CONTROL BLANKETS