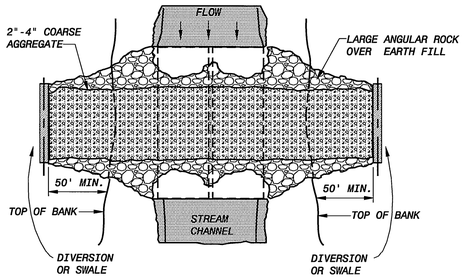
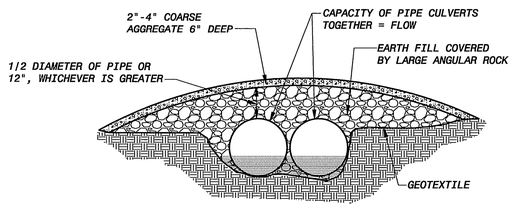


PLAN VIEW
NO SCALE



ELEVATION
NO SCALE

TEMPORARY CULVERT CROSSING NOTE:

A) GENERAL NOTES:

1. CLEARING AND EXCAVATION OF THE STREAM BED AND BANKS SHALL BE KEPT TO A MINIMUM.

2. THE INVERT ELEVATION OF THE CULVERT SHALL BE INSTALLED ON THE NATURAL STREAMBED GRADE TO MINIMIZE INTERFERENCE WITH FISH MIGRATION.

3. GEOTEXTILE SHALL BE PLACED ON THE STREAMBED AND STREAMBANKS PRIOR TO PLACEMENT OF THE PIPE CULVERT AND AGGREGATE. THE GEOTEXTILE SHALL COVER THE STREAMBED AND EXTEND A MINIMUM OF 6 INCHES AND A MAXIMUM OF 1 FOOT BEYOND THE END OF THE CULVERT AND BEDDING MATERIAL. FILTER CLOTH REDUCES SETTLEMENT AND IMPROVES CROSSING STABILITY.

4. THE CULVERT SHALL EXTEND A MINIMUM OF 1 FOOT BEYOND THE UPSTREAM AND DOWNSTREAM TOE OF THE AGGREGATE PLACED AROUND THE CULVERT. IN NO CASE SHALL THE CULVERT EXCEED 40 FEET IN LENGTH.

5. THE CULVERT SHALL BE COVERED WITH A MINIMUM OF 1 FOOT OF AGGREGATE. IF MULTIPLE CULVERTS ARE USED, THEY SHALL BE SEPARATED BY AT LEAST 12 INCHES OF COMPACTED AGGREGATE FILL.

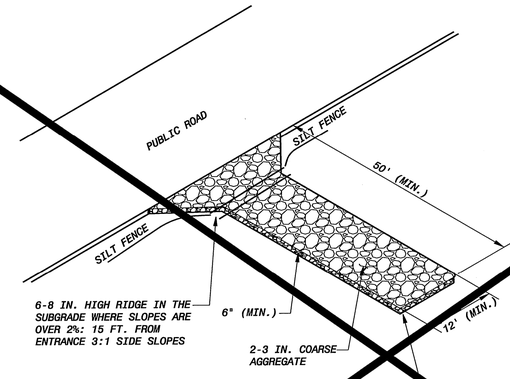
6. WHEN THE CROSSING HAS SERVED ITS PURPOSE, ALL STRUCTURES INCLUDING CULVERTS, BEDDING, AND GEOTEXTILE MATERIALS SHALL BE REMOVED. REMOVAL OF THE STRUCTURE AND CLEAN-UP OF THE AREA SHALL BE ACCOMPLISHED WITHOUT CONSTRUCTION EQUIPMENT WORKING IN THE CHANNEL.

7. UPON REMOVAL OF THE STRUCTURE, THE STREAM SHALL IMMEDIATELY BE SHAPED TO ITS ORIGINAL CROSS-SECTION AND PROPERLY STABILIZED.

B) INSPECTION AND MAINTENANCE

CARE MUST BE TAKEN TO INSPECT ANY STREAM CROSSING AREA AT THE END OF EACH DAY TO MAKE SURE THAT THE CONSTRUCTION MATERIALS ARE POSITIONED SECURELY. THIS WILL ENSURE THAT THE WORK AREA STAYS DRY AND THAT NO CONSTRUCTION MATERIALS FLOAT DOWNSTREAM.

TEMPORARY CULVERT CROSSING
NO SCALE

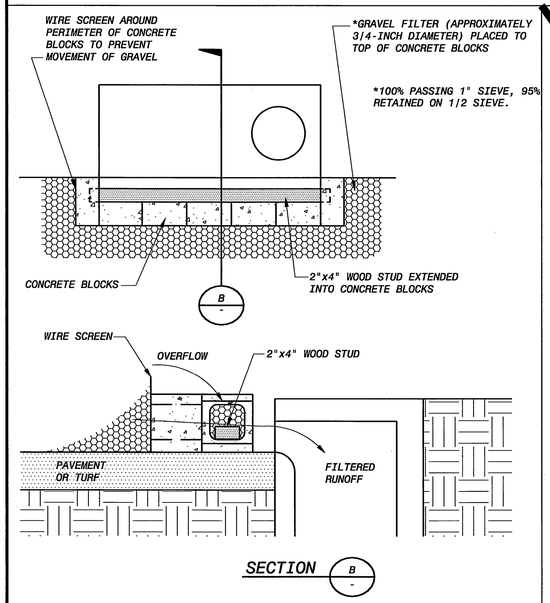


USE CITY OF WICHITA STANDARD STABILIZED CONSTRUCTION ENTRANCE DETAIL SEE DWG 013

NOTE:

1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS. IF POSSIBLE, LOCATE WHERE PERMANENT ROADS WILL EVENTUALLY BE CONSTRUCTED.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE SUBGRADE AREA, GRADE AND CROWN FOR POSITIVE DRAINAGE.
3. IF SLOPE TOWARDS THE ROAD EXCEEDS 2%, CONSTRUCT A 6-8 INCH HIGH RIDGE WITH 3:1 SIDE SLOPES ACROSS THE APPROACH APPROXIMATELY 15 FEET FROM THE ENTRANCE TO DIVERT RUNOFF AWAY FROM PUBLIC ROAD.
4. AGGREGATE SIZE SHALL BE 2- 3-INCH WASH STONE
5. PAD DESIGN THICKNESS 6 INCHES MINIMUM. WIDTH - 12 FEET MINIMUM OR FULL WIDTH ROADWAY, WHICHEVER IS GREATER. LENGTH - 50 FEET MINIMUM.
6. WASHING FACILITY (OPTIONAL): GRAVEL AREA WITH MINIMUM OF 3 INCHES OF WASHED STONE.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
NO SCALE

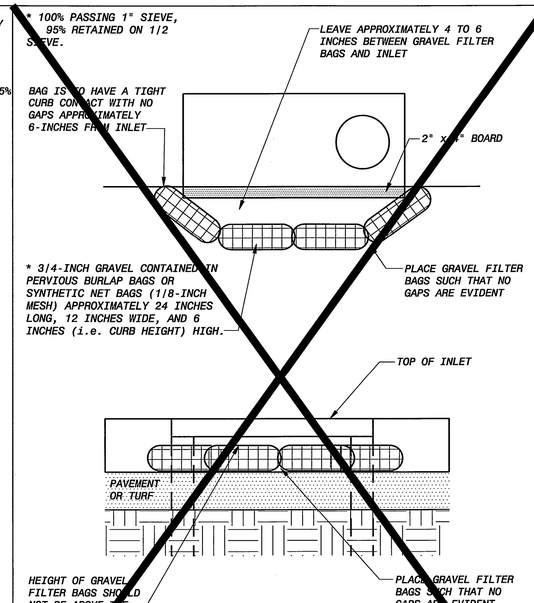


CONCRETE BLOCK FILTER

NOTE:

1. GRAVEL FILTERS CAN BE USED ON PAVEMENT OR BARE GROUND.

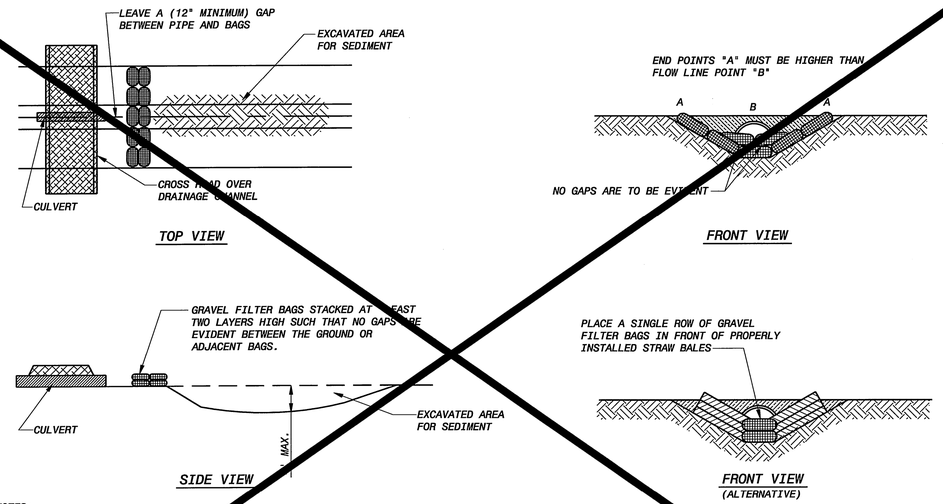
2. WHEN SEDIMENT FILLS THE AREAS BEHIND THE SILT FENCE TO 1/2 THE HEIGHT OF THE SILT FENCE, THE CONTRACTOR SHALL REMOVE THE SEDIMENT.



FRONT VIEW

GRAVEL FILTER BAGS

CURB/YARD INLET GRAVEL FILTER
NO SCALE



NOTES:
1. EACH BAG IS TO CONSIST OF 3/4-INCH DIAMETER GRAVEL CONTAINED IN PERVIOUS BURLAP BAGS OR SYNTHETIC NET BAGS (1/8-INCH MESH) AND BE APPROXIMATELY 24 INCHES LONG, 12 INCHES WIDE, AND 6 INCHES HIGH.

2. 3/4" GRAVEL SHALL HAVE THE FOLLOWING GRADATION:
100% PASSING THE 1" SEIVE
95% RETAINED ON THE 1/2" SEIVE

3. WHEN SEDIMENT FILLS THE AREA BEHIND THE SOLT FENCE TO 1/2 THE HEIGHT OF THE SILT FENCE, THE CONTRACTOR SHALL REMOVE THE SEDIMENT.

4. SIZE OF THE BASIN SHALL CONFORM TO DESIGN.

SEDIMENT TRAP
NO SCALE

03/13/09	FINAL - CONSTRUCTION SET		4	DEC	
8/31/07	70% SUBMITTAL - FOR REVIEW ONLY		1	DEC	
DATE	REVISIONS AND RECORD OF ISSUE		NO.	BY	CK APP

CTONET ID: 143234-320-WR-C-TOOOONGRG XREF1:AndrewSmith Small Plan Sheet.dwg
WR-007.dwg XREF2:
SAVED: CO0037033, 3/13/2009 8:54:17 AM XREF3:
PLOTTED: CO0037033, 3/16/2009 8:27:31 AM XREF4:
USER: CO0037033 DWG VER: 1.24 XREF5:

ANDREW K. SMITH REGISTERED PROFESSIONAL ENGINEER 17870 K.A.N.S.A.S. 03-13-09

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DRY CREEK CHANNEL IMPROVEMENTS
WICHITA, KANSAS

LINCOLN TO ORME
EROSION CONTROL
EROSION & SEDIMENT CONTROL DETAILS

DESIGNED:
DETAILED: DEC
CHECKED: AKS
APPROVED:
DATE: 13 MAR 2009

0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE

PROJECT NO.
143234

007
SHEET
7 OF 42

FD6000
DWR