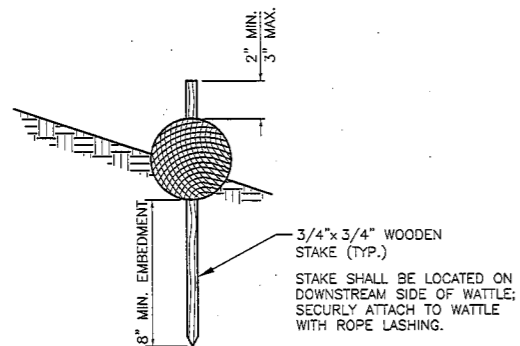


**GENERAL SOIL EROSION AND SEDIMENTATION CONTROL NOTES:**

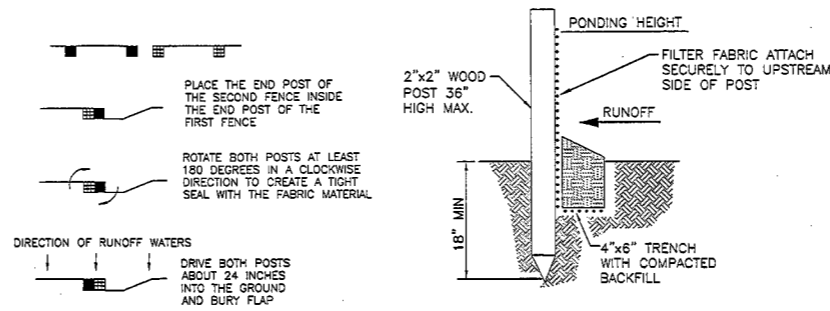
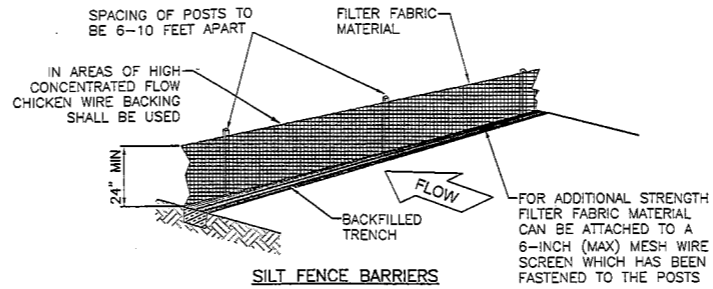
1. THE INTENT OF ALL EROSION CONTROL DEVICES IS TO PREVENT ERODED SOIL FROM ENTERING DITCHES, STORM SEWERS, LAKES, STREETS OR ANY OTHER DRAINAGE FEATURES.
2. THEY ARE INTENDED TO PROVIDE GUIDELINES AS TO WHAT TYPE OF EROSION CONTROL DEVICES WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS.
3. EROSION CONTROL DEVICES SHALL BE MAINTAINED DURING THE CONSTRUCTION PROCESS TO REMAIN EFFECTIVE. MAINTENANCE SHALL BE AS REQUIRED TO MAINTAIN THE CONTROLS.
4. ANY DEVELOPMENT THAT DISTURBS 1 ACRE OR MORE WILL REQUIRE A FEDERAL/STATE NPDES STORMWATER PERMIT. THE PREPARATION OF A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IS REQUIRED. EROSION CONTROL DEVICES ARE REQUIRED. THE DETAILS SHOWN ON THIS SHEET ARE THE MINIMUM STANDARDS TO BE SHOWN ON THE SWPPP.
5. FOR DEVELOPMENTS SMALLER THAN 1 ACRE, SOIL EROSION DEVICES ARE REQUIRED. ALSO, DEVELOPERS AND CONTRACTORS ARE ENCOURAGED TO DEVELOP POLLUTION PREVENTION PLANS FOR EACH PROJECT PRIOR TO CONSTRUCTION.
6. CONCRETE WASH OR RINSE WATER FROM CONCRETE MIXING EQUIPMENT, TOOLS AND/OR READY-MIX TRUCKS, TOOLS, ETC. MAY NOT BE DISCHARGED INTO OR BE ALLOWED TO RUN DIRECTLY INTO ANY EXISTING WATER BODY OR STORM INLET. ONE OR MORE LOCATIONS FOR CONCRETE WASH OUT WILL BE DESIGNATED ON SITE, SUCH THAT DISCHARGES DURING CONCRETE WASHOUT WILL BE CONTAINED IN A SMALL AREA WHERE WASTE CONCRETE CAN SOLIDIFY IN PLACE.
7. THE CONTRACTOR SHALL PREVENT THE POLLUTION OF STREAMS, LAKES, WETLANDS, DRAINAGE WAYS OR STORM SEWERS FROM FUEL, OILS, HAZARDOUS CHEMICALS, SEDIMENT, TRASH, DEBRIS, OR OTHER SUBSTANCES RESULTING FROM CONSTRUCTION ACTIVITIES. ALL SPILLS IN EXCESS OF REPORTABLE QUANTITIES SHALL BE REPORTED TO ALL OF THE FOLLOWING WITHIN 24 HOURS OF THEIR OCCURRENCE: KOCHE 24-HOUR SPILL RESPONSE CENTER (785) 296-1679; KOCHE NORTH CENTRAL DISTRICT, SALINA, (785) 827-9639; AND THE NATIONAL SPILL RESPONSE CENTER 1-800-424-8802. SPILLS THAT POSE IMMEDIATE THREAT TO PUBLIC SAFETY OR CONTAMINATION OF A WATER BODY SHALL BE REPORTED IMMEDIATELY TO THE JUNCTION CITY FIRE DEPARTMENT AT 911. SUCH SPILLS SHALL ALSO BE REPORTED TO THE KANSAS DIVISION OF EMERGENCY MANAGEMENT, (800) 275-0297 OR (785) 296-8013.



**WATTLE NOTES:**

1. FIBER LOGS MAY BE USED IN LIEU OF WATTLES.
2. THE DIAMETER OF WATTLE OR FIBER LOG SHALL BE AT LEAST 12-INCHES.
3. WATTLES OR FIBER LOGS MUST BE WRAPPED WITH NON-PLASTIC WRAPPING. COCONUT OR ASPEN FIBER SHALL BE USED FOR FIBER LOGS AND WATTLES.
4. THE WATTLES OR FIBER LOGS SHALL BE INSPECTED AFTER EVERY RAINFALL TO DETERMINE IF ANY PART OF THE BARRIER NEEDS TO BE REPAIRED OR REPLACED. IF IT IS DETERMINED THAT THE BARRIER NEEDS ANY REPAIR OR REPLACEMENT THIS SHALL BE DONE IMMEDIATELY.
5. SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH RAINFALL OR BEFORE THEY ACCUMULATE TO 1/2 OF THE WATTLE OR FIBER LOG HEIGHT.
6. INSTALL WATTLES OR FIBER LOGS SNUGLY INTO THE TRENCH. ADJACENT WATTLES OR FIBER LOGS TIGHTLY, END TO END, WITHOUT OVERLAPPING THE ENDS.
7. STAKES SHALL BE INSTALLED AT EACH END OF WATTLE OR FIBER LOG, AND AT 4' O.C. ALONG ENTIRE LENGTH.
8. PROVIDE MULTIPLE WATTLES UPHILL FOR WATTLE DITCH CHECK CONFIGURATION OR AS NEEDED.
9. WATER FROM TRENCH DEWATERING TO BE PUMPED BEHIND COMPOST BERM OR WATTLE TO BE FILTERED.

**WATTLE INSTALLATION**  
N.T.S.



**ATTACHING TWO SILT FENCES**

**ANCHOR DETAIL**

**MATERIAL SPECIFICATION:**

SILT FENCE FABRIC SHOULD CONFORM TO THE AASHTO M288 96 SILT FENCE SPECIFICATION. THE POSTS USED TO SUPPORT THE SILT FENCE FABRIC SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG. SILT FENCE FABRIC SHOULD BE ATTACHED TO THE WOODEN POSTS WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

**PLACEMENT:**

A SLOPE BARRIER SHOULD BE USED AT THE TOE OF A SLOPE WHEN A DITCH DOES NOT EXIST. THE SLOPE BARRIER SHOULD BE PLACED ON NEARLY LEVEL GROUND 5' TO 10' AWAY FROM THE TOE OF A SLOPE. THE BARRIER IS PLACED AWAY FROM THE TOE OF THE SLOPE TO PROVIDE ADEQUATE STORAGE FOR SETTLING OUT SEDIMENT. WHEN PRACTICABLE, SILT FENCE SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. SILT FENCE SLOPE BARRIERS CAN ALSO BE PLACED ALONG RIGHT-OF-WAY FENCE LINES TO KEEP SEDIMENT FROM CROSSING ONTO ADJACENT PROPERTY. WHEN PLACED IN THIS MANNER, THE SLOPE BARRIER WILL NOT LIKELY FOLLOW CONTOURS.

**PROPER INSTALLATION METHOD:**

EXCAVATE A TRENCH THE LENGTH OF THE PLANNED SLOPE BARRIER THAT IS 6" DEEP BY 4" WIDE. MAKE SURE THAT THE TRENCH IS EXCAVATED ALONG A SINGLE CONTOUR. WHEN PRACTICABLE, SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. PLACE THE SOIL ON THE UPSLOPE SIDE OF THE TRENCH FOR LATER USE. ROLL OUT A CONTINUOUS LENGTH OF SILT FENCE FABRIC ON THE DOWNSLOPE SIDE OF THE TRENCH. PLACE THE EDGE OF THE FABRIC IN THE TRENCH STARTING AT THE TOP UPSLOPE EDGE. LINE ALL THREE SIDES OF THE TRENCH WITH THE FABRIC. BACKFILL OVER THE FABRIC IN THE TRENCH WITH THE EXCAVATED SOIL AND COMPACT. AFTER FILLING THE TRENCH, APPROXIMATELY 24" TO 36" OF SILT-FENCE FABRIC SHOULD REMAIN EXPOSED. LAY THE EXPOSED SILT FENCE UPSLOPE OF THE TRENCH TO CLEAR AN AREA FOR DRIVING IN THE POSTS. JUST DOWNSLOPE OF THE TRENCH, DRIVE POSTS INTO THE GROUND TO A DEPTH OF AT LEAST 18". PLACE POSTS NO MORE THAN 4' APART. ATTACH THE SILT FENCE TO THE ANCHORED POST WITH STAPLES, WIRE, ZIP TIES, OR NAILS. SEE DETAIL FOR ATTACHING TWO SILT FENCES. IN AREAS OF HIGH CONCENTRATED FLOW, CHICKEN WIRE SHALL BE USED. OPTIONAL: SLICING WHEEL SILT FENCE MAY BE USED AS AN ALTERNATIVE IN PLACE OF BACKFILLED TRENCH. SLICING WHEEL SILT FENCE SHALL BE PLACED AS PER MANUFACTURER'S DIRECTION.

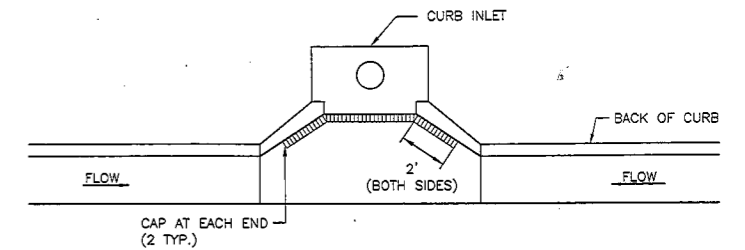
**LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:**

WHEN PRACTICABLE, DO NOT PLACE SILT FENCE SLOPE BARRIERS ACROSS CONTOURS. SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. WHEN THE FLOW CONCENTRATES, IT OVERTOPS THE BARRIER AND THE SILT FENCE SLOPE BARRIER QUICKLY DETERIORATES. DO NOT PLACE SILT-FENCE POSTS ON THE UPSLOPE SIDE OF THE SILT FENCE FABRIC. IN THIS CONFIGURATION, THE FORCE OF THE WATER IS NOT RESTRICTED BY THE POSTS, BUT ONLY BY THE STAPLES (WIRE, ZIP TIES, NAILS, ETC.). THE SILT FENCE WILL RIP AND FAIL. DO NOT PLACE SILT FENCE SLOPE BARRIERS IN AREAS WITH SHALLOW SOILS UNDERLAIN BY ROCK. IF THE BARRIER IS NOT SUFFICIENTLY ANCHORED, IT WILL WASH OUT. SILT FENCE SLOPE BARRIERS MUST BE DUG INTO THE GROUND-SILT FENCE AT GROUND LEVEL DOES NOT WORK BECAUSE WATER WILL FLOW UNDERNEATH.

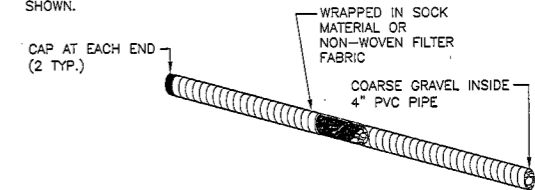
**INSPECTION AND MAINTENANCE:**

SILT FENCE SLOPE BARRIERS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:  
ARE THERE ANY POINTS ALONG THE SLOPE BARRIER WHERE WATER IS CONCENTRATING?  
DOES WATER FLOW UNDER THE SLOPE BARRIER?  
DO THE SILT FENCES SAG EXCESSIVELY?  
HAS THE SILT FENCE TORN OR BECOME DETACHED FROM THE POSTS?  
DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE SLOPE BARRIER?

**SEDIMENT FENCE INSTALLATION**  
N.T.S.



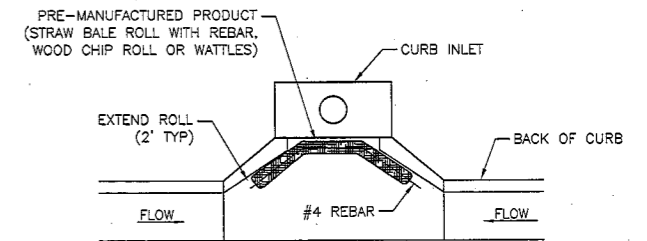
**NOTE:**  
PLACE 4" PERFORATED PVC PIPE, FILLED WITH 1/2"-1" DIA. GRAVEL, IN FRONT OF CURB INLET AS SHOWN.



**NOTES:**

1. SUBMIT FILTER PLAN AND TYPE FOR APPROVAL
2. UPON CONSTRUCTION OF INLET, FILTER PROTECTION WILL BE PROVIDED. HAY BALES NO LONGER APPROVED.
3. INLET FILTER PROTECTION TO BE LEFT IN PLACE AFTER CONSTRUCTION OF THIS PROJECT. DEVELOPER/OWNER TO DIRECT LOT BUILDER TO MAINTAIN EROSION CONTROL WHILE CONSTRUCTING HOMES OR MAINTAIN THEMSELVES.
4. INLET FILTER TO REMAIN IN PLACE UNTIL 90% OF DRAINAGE AREA IS SODDED OR SEEDDED.

**CURB INLET PROTECTION I**  
**4" PERFORATED PIPE W/GRAVEL**  
N.T.S.



**NOTES:**

1. CURBS ON STEEP SLOPES MAY REQUIRE GRAVEL BAG "CHECKS" OR EQUIVALENT PLACED IN "L" CONFIGURATION TO CAPTURE SEDIMENT.
2. EQUIVALENT INLET PROTECTION MAY BE USED.

**CURB INLET PROTECTION III**  
**PRE-MANUFACTURED STRAW BALE ROLL**  
N.T.S.



CITY OF JUNCTION CITY, KANSAS			
<b>SOIL EROSION AND SEDIMENTATION CONTROL DETAILS</b>			
MUNICIPAL SERVICES DIRECTOR GREGORY S. McCAFFERY, P.E.		DATE: 10/08/2013	
ENGINEERING DEPARTMENT 700 N JEFFERSON JUNCTION CITY, KS 66441 (785) 238-3103		DESIGN: -	DRAWN: -
			SHEET 1 OF 2