## NPDES REQUIREMENTS - GENERAL NOTES

1. THE CITY WILL PREPARE AN NPDES NOI (NOTICE OF INTENT TO BE COVERED UNDER THE STATE'S GENERAL PERMIT) TO BE FILED WITH KDHE.

2. CONTRACTOR SHALL PREPARE A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH EPA NPDES PHASE I STORMWATER REGULATIONS AND SUBMIT IT TO THE CITY FOR CONCURRENCE AND TRANSMITTAL TO KDHE. THE PLAN SHALL DESCRIBE:

TIMING AND SEQUENCE OF MAJOR WORK COMPONENTS AND LOCATION OF TEMPORARY BEST MANAGEMENT PRACTICES (BMPs) ASSOCIATED WITH SPECIFIC CONSTRUCTION ACTIVITIES. THIS SHALL INCLUDE LOW FLOW DIVERSION WORKS CONSTRUCTION AND REMOVAL.

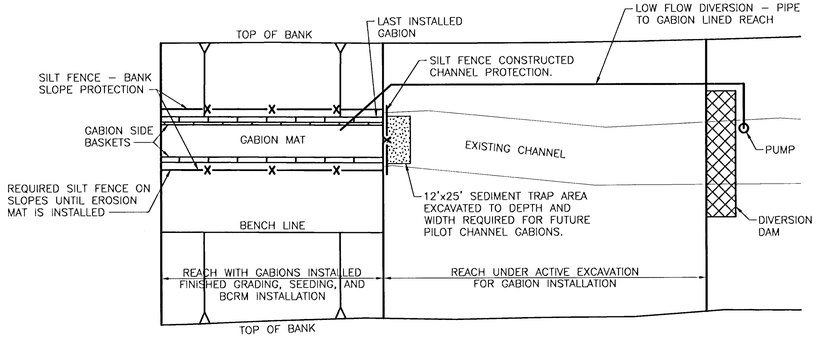
DETAILS OF STRUCTURAL BMPs INCLUDING LOW FLOW DIVERSION WORKS. THESE SHALL ALSO INCLUDE BUT ARE NOT LIMITED TO THE BMPs SHOWN BELOW. ALTERNATIVE BMPs MAY BE PROPOSED TO THE STORMWATER ENGINEER.

HOUSEKEEPING; SPILL PREVENTION AND RESPONSE; PERSONNEL TRAINING; AND SITE INSPECTION/DOCUMENTATION PROCEDURES AND RESPONSIBILITIES FOR CONTRACTOR AND SUBCONTRACTOR PERSONNEL.

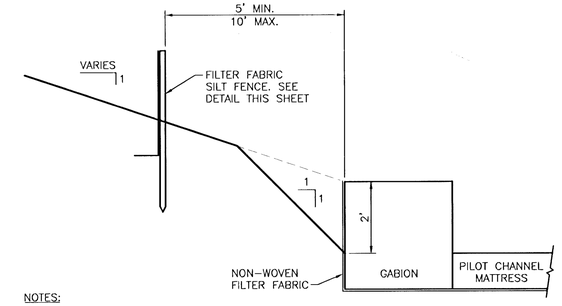
3. CONTRACTOR SHALL IMPLEMENT THE FINAL SWPPP AND MODIFY IT AS NECESSARY TO CONTROL POLLUTANT DISCHARGE FROM THE CONSTRUCTION SITE. THE BEST MANAGEMENT PRACTICES SHOWN HERE ARE MINIMUM REQUIREMENTS, BUT NO GUARANTEE IS IMPLIED AS TO THEIR EFFECTIVENESS. THE CONTRACTOR IS RESPONSIBLE FOR THE RESULTS OF THE SWPPP, AND SHALL SUPPLEMENT OR MODIFY THE DETAIL AND SEQUENCES OF THE PLAN AS NEEDED TO EFFECTIVELY PREVENT DISCHARGE OF POLLUTION FROM THE SITE.

4. TEMPORARY STABILIZATION – TOPSOIL STOCK PILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR AT LEAST 28 DAYS WILL BE STABILIZED WITH TEMPORARY SEED AND MULCH NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY IN THAT AREA. THE TEMPORARY SEED SHALL BE RYE (GRAIN) APPLIED AT THE RATE OF 160 POUNDS PER ACRE. AFTER SEEDING, EACH AREA SHALL BE MULCHED STRAW. THE STRAW MULCH IS TO BE TACKED INTO PLACE BY A DISK WITH BLADES SET NEARLY STRAIGHT.

5. PERMANENT STABILIZATION – DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASES SHALL BE STABILIZED AS SOON AS PRACTICABLE, BUT NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY.




## LOW FLOW DIVERSION WORKS




NOTES:

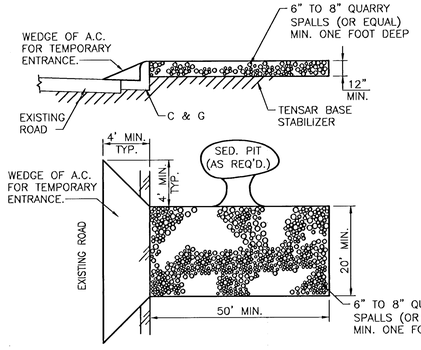
1. BANK SLOPE SILT FENCE SHALL BE CONSTRUCTED AT THE SAME TIME AS THE GABION PILOT CHANNEL.

2. SILT FENCE SHALL BE INSPECTED WEEKLY AND FOLLOWING EACH RAINFALL. DURING EXTENDED RAINS, SILT FENCE SHALL BE INSPECTED DAILY. ANY REPAIRS INDICATED SHALL BE IMPLEMENTED IMMEDIATELY.

3. FILTER FABRIC FENCES SHALL NOT BE REMOVED UNTIL UPSLOPE AREAS HAVE BEEN GRADED AND EROSION MATERIAL INSTALLATION IS READY TO BEGIN

4. WHEN DAILY INSPECTION SHOWS 1 FT OR MORE OF MATERIAL ACCUMULATED ON THE UPSLOPE SIDE, ACCUMULATED SEDIMENT SHALL BE REMOVED.

## SILT FENCE-BANK SLOPE PROTECTION (DURING FINISH SLOPE GRADING, SEEDING)




## TEMPORARY CONSTRUCTION ENTRANCE/WASH DOWN PAD

NOTES:

### TEMPORARY CONSTRUCTION ENTRANCE/WASHDOWN PAD

1. CONSTRUCTION AND PERSONAL VEHICLES SHALL ENTER THE CONSTRUCTION SITE ONLY AT ESTABLISHED TEMPORARY CONSTRUCTION ENTRANCES WITH WASH DOWN PADS. CONTRACTOR WILL BE SUBJECT TO CITATION IF THERE IS EVIDENCE THAT VEHICLES HAVE BEEN DRIVEN OVER UNPROTECTED CURB. ANY DAMAGED C & G, SIDEWALKS, OR STREETS SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

2. WHEN ROCK PAD DOES NOT ADEQUATELY REMOVE SOIL FROM VEHICLE WHEELS, WHEELS SHALL BE HOSED OFF BEFORE VEHICLE ENTERS A PAVED STREET.

3. SEDIMENT DETENTION PITS SHALL BE CONSTRUCTED IF REQUIRED TO CONTAIN SEDIMENT WASHED FROM VEHICLES. DETENTION PITS SHALL BE SIZED TO CONTAIN ALL SEDIMENT AND WASH WATER.

4. ANY MUD OR DEBRIS THAT FALLS ONTO STREETS FROM THIS PROJECT SHALL BE REMOVED BY THE CONTRACTOR IMMEDIATELY.

### CONCRETE WASH–OUT PITS:

1. CONCRETE TRUCK WASHOUT PITS SHALL BE CONSTRUCTED IN AREAS PROTECTED FROM PRECIPITATION. WASHOUT PITS SHALL BE SIZED TO CONTAIN ALL WASTE CONCRETE MATERIAL AS WELL AS WASH WATER.

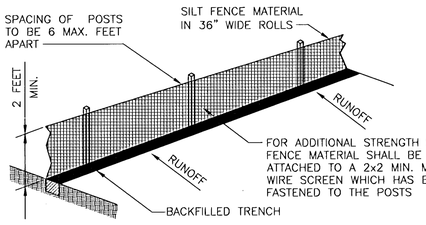
2. CONCRETE WASHOUT PITS SHALL BE ALLOWED TO DRY. CONTRACTOR SHALL DISPOSE OF DRIED MATERIAL BY EITHER 1) REMOVING IT FROM THE SITE OR 2) WASTING IT ON SITE BY COVERING WITH COMPACTED SOIL TO A MINIMUM DEPTH OF 2 FT IN A LOCATION APPROVED BY THE ENGINEER.

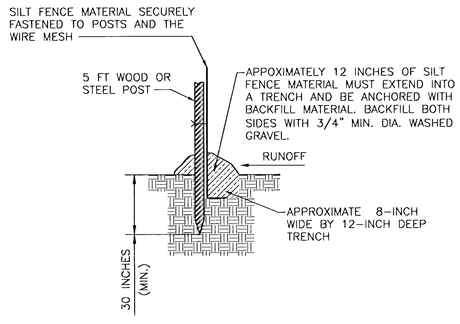
SILT FENCE MATERIAL SPECIFICATIONS

| | |
|---|---|
| GRAB TENSILE STRENGTH | 100 LBS. MIN. (ASTM D4632) |
| MULLEN BURST STRENGTH | 300 PSI MIN (ASTM D3786) |
| TRAPEZOID TEAR STRENGTH | 60 LBS. MIN. (ASTM D4533) |
| EQUIVALENT OPENING SIZE | 0.0059 IN (0.15MM) OR $D_{85}$ FROM SOIL ANALYSIS |
| UV STABILITY | 70% MIN. (ASTM D4355) |

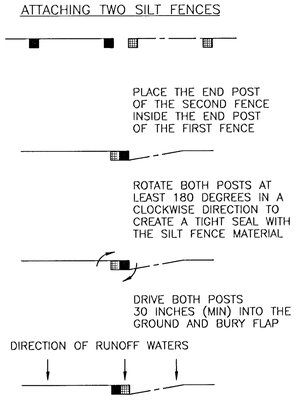
SILT FENCE INSTALLATION

ATTACHING TWO FILTER FENCES TOGETHER SHOULD BE COMPLETED IN A MANNER ILLUSTRATED BELOW. BY WRAPPING THE MATERIAL AS ILLUSTRATED, A TIGHT FIT OF MATERIAL IS CREATED AND THE STRUCTURAL STABILITY OF THE FENCE MAINTAINED.

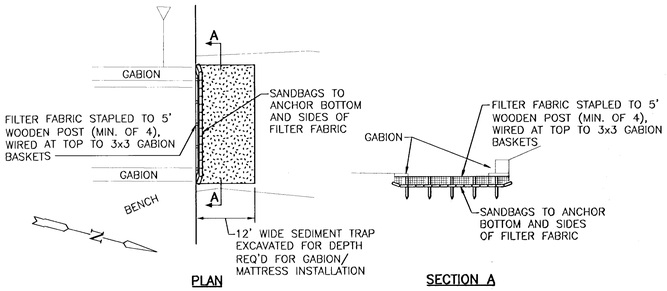



ATTACHING TWO SILT FENCES




## SILT FENCE DETAIL




1. CONSTRUCTED CHANNEL SILT FENCE SHALL BE IN PLACE DURING ALL RAIN EVENTS.

2. SILT FENCE SHALL BE INSTALLED AT THE UPSTREAM FACE OF THE MOST RECENTLY INSTALLED GABIONS. SUPPORT FOR SILT FENCE SHALL BE PROVIDED IN THE CENTER OF THE CHANNEL BY WOOD POSTS AS SHOWN. FOR THE BANK SLOPE PROTECTION FENCE. SILT FENCE SHALL BE ATTACHED TO 3x3 GABIONS, AND ANCHORED BY SAND BAGS AT THE FLOOR OF THE CHANNEL AND THE ENDS OF INSTALLED GABIONS.

3. WHEN INSPECTION AFTER EACH RAIN EVENT SHOWS 1 FT OR MORE OF MATERIAL ACCUMULATED IN THE 12' SEDIMENT TRAP AREA ALL ACCUMULATED SEDIMENT SHALL BE REMOVED.

## SILT FENCE-CONSTRUCTED CHANNEL PROTECTION (DURING GABION PILOT CHANNEL CONSTRUCTION)

MKEC
ENGINEERING CONSULTANTS
411 N. WEBB ROAD
WICHITA, KS. 67206
316-684-9600

AREA "K" PART 2 - PHASE 2
WICHITA DRAINAGE CANAL
PROJECT NAME

SWPPP REQUIREMENTS
SHEET TITLE

| JNJ | RDH | TKM |
|---|---|---|
| DESIGN BY: | DRAWN BY: | CHECKED BY: |
| JAN. 2001 | 94011 | 20 / 47 |
| DATE | JOB NO. | SHEET/OF |

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