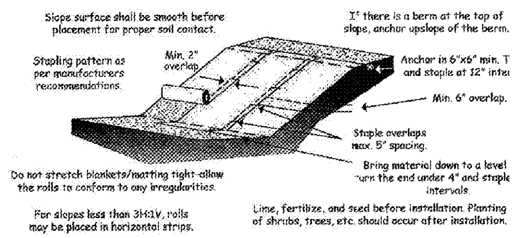
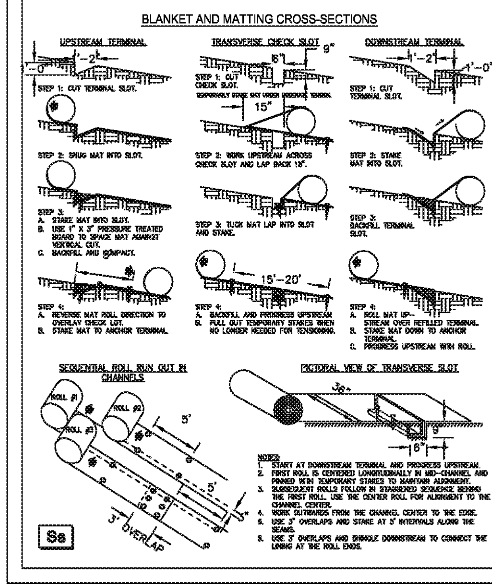
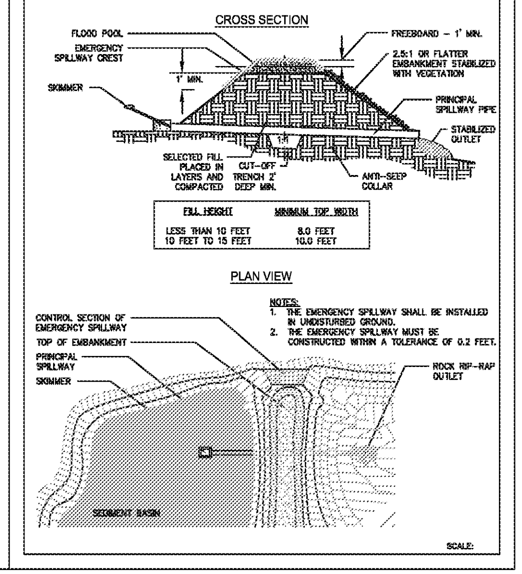


TYPICAL INSTALLATION GUIDELINES FOR ROLLED EROSION CONTROL PRODUCTS (RECP)



BASIC COMPONENTS OF TEMPORARY SEDIMENT BASIN (Sd3)



Temporary Sediment Basin Design Sheet

Computed by SCR Date [illegible]
Checked by Date

Project Name: Covington, GA Burger King
Basin No.: 1
Total area draining to basin = 2.13 acres
Disturbed area draining to basin = 1.7 acres

VOLUME
1. Compute minimum required storage volume (Vs). [illegible]
2. Compute volume of basin at clean-out (Vc). [illegible]
3. Determine elevation corresponding to minimum required storage volume, Vs. [illegible]
4. Determine elevation corresponding to clean-out volume, Vc. [illegible]
5. Compute length of riser. [illegible]

STORMWATER RUNOFF
6. [illegible]
7. [illegible]

SURFACE AREA/CONFIGURATION DESIGN
8.–10. [illegible]

PRINCIPAL SPILLWAY (ps)
11. Determine maximum principal spillway capacity. [illegible]
12. Compute the vertical distance between the centerline of the outlet pipe and the emergency spillway crest (H). [illegible]

Temporary Sediment Basin Design Sheet
Project Name: Covington, GA Burger King
Page 2

13.–18. [illegible]

CONCRETE RISER BASE DESIGN
19.–23. [illegible]

ANTI-SEEP COLLAR DESIGN
24. Determine if anti-seep collar is required. If yes, to any of the following conditions, a collar is required. [illegible]

Temporary Sediment Basin Design Sheet
Project Name: Covington, GA Burger King
Page 3

25. Determine size of anti-seep collar required. [illegible]

EMERGENCY SPILLWAY (es)
26.–29. [illegible]

DESIGN ELEVATIONS
30.–33. [illegible]

PLEASE NOTE THAT DESIGN VALUES DETERMINED BY THIS SHEET REPRESENT THE MINIMUM REQUIREMENTS FOR A TEMPORARY SEDIMENT BASIN.

Project Name: Covington, GA Burger King
Basin No.: 1
Total area draining to basin = 2.13 acres
Disturbed area draining to basin = 1.7 acres

Storm (year)	24 Hr Rainfall	Peak Discharge (cfs)
2	[illegible]	[illegible]
25	[illegible]	[illegible]

[illegible]

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH AS SHOWN IN DETAIL 2. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS PER MANUFACTURES RECOMMENDATION.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH MINIMUM 6" OVERLAP. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.
6. PLACE STAPLES/STAKES PER MANUFACTURER'S RECOMMENDATION FOR THE APPROPRIATE SLOPE BEING APPLIED.

NOTES:
1. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.
2. FOLLOW EROSION CONTROL TECHNOLOGY COUNCIL SPECIFICATION FOR PRODUCT SELECTION.

EROSION CONTROL BLANKET (CHANNEL INSTALLATION)

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USER sheneil.robinson – Jul 03, 2018 – 2:05pm
Z:\All Project Data\Projects\2017\17-CE-015 Covington GA Premier Kings\CE\Production\Production Drawings\17-CE-015 Details.dwg

EROSION SEDIMENTATION, AND POLLUTION CONTROL DETAILS

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GSWCC# 22364

Project Title
PROPOSED BURGER KING
COVINGTON, GA
BY: PREMIER HOLDINGS OF GEORGIA, LLC
MONTGOMERY, AL

REVISIONS	BY

DRAWN BY: SCR
CHECKED BY: THH
DATE: 06/27/2018
SCALE: NO SCALE
JOB No. 17-CE-015
SHEET NUMBER
D-4C

17-CE-015 DETAILS.DWG