

DRAWINGS AND REPORT CHECKLIST FOR STANDARD GESC PERMITS

A. DRAWINGS

I. COVER SHEET

Design Engineer			County Engineer		
Yes	No	N/A	Yes	No	N/A

1. Project name.
2. Project address (If applicable).
3. Owner address.
4. Design firm's name and address.
5. Plan sheet index.
6. Designer Engineer Signature Block.
7. The following note:
THE GRADING, EROSION, AND SEDIMENT CONTROL PLAN INCLUDED HEREIN HAS BEEN PLACED IN THE DOUGLAS COUNTY FILE FOR THIS PROJECT AND APPEARS TO FULFILL APPLICABLE DOUGLAS COUNTY GRADING, EROSION AND SEDIMENT CONTROL CRITERIA, AS AMENDED. ADDITIONAL GRADING, EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED OF THE PERMITTEE(S) DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED GESC PLAN DOES NOT FUNCTION AS INTENDED. THE REQUIREMENTS OF THIS GESC PLAN SHALL RUN WITH THE LAND AND BE THE OBLIGATION OF THE PERMITTEE(S), UNTIL SUCH TIME AS THE GESC PLAN IS PROPERLY COMPLETED, MODIFIED OR VOIDED.

Design Engineer			County Engineer		
Yes	No	N/A	Yes	No	N/A

8. GESC Drawing Designer Engineer's signature block with name, date, and Professional Engineer registration number. Signature block shall include the following note:
THE GRADING, EROSION AND SEDIMENT CONTROL PLAN INCLUDED HEREIN HAS BEEN PREPARED UNDER MY DIRECT SUPERVISION IN ACCORDANCE WITH THE REQUIREMENTS OF THE GRADING, EROSION AND SEDIMENT CONTROL (GESC) CRITERIA MANUAL OF DOUGLAS COUNTY, AS AMENDED.
9. County acceptance block.
10. General location Map at a scale of 1 inch to 1,000 feet to 8,000 feet indicating:
 - General vicinity of the site location.
 - Major roadway names.
 - North arrow and scale.

II. GESC DRAWING INDEX SHEET

For projects that require multiple plan-view sheets to adequately show the project area (based on the specified scale ranges), a single plan-view sheet shall be provided at a scale appropriate to show the entire site on 1 sheet. Areas of coverage of the multiple blow-up sheets are to be indicated as rectangles on the index sheet.

III. INITIAL GESC DRAWING

This Drawing shall provide grading, erosion and sediment controls for the initial clearing, grubbing and grading of a project. At a minimum, it shall contain:

Design Engineer			County Engineer		
Yes	No	N/A	Yes	No	N/A

1. Property lines.
2. Existing and proposed easements.
3. Existing topography at 1 or 2 foot contour intervals, extending a minimum of 100 feet beyond the property line.
4. Location of any existing structures or hydrologic features within mapping limits.
5. USGS Benchmark used for project.

Design Engineer			County Engineer		
Yes	No	N/A	Yes	No	N/A

6. Limits of Construction encompassing all areas of work, access points, storage and staging areas, borrow areas, stockpiles, and utility tie-in locations in on-site and off-site locations. Stream corridors and other resource areas to be preserved and all other areas outside the Limits of Construction shall be lightly shaded to clearly show area not to be disturbed.
7. Location of stockpiles, including topsoil, imported aggregates, and excess material.
8. Location of storage and staging areas for equipment, fuel, lubricant, chemical (and other materials) and waste storage.
9. Location of borrow or disposal areas.
10. Location of temporary roads.
11. Location, map symbol, and letter callouts of all initial erosion and sediment control BMPs.
12. Information to be specified for each BMP, such as type and dimensions, as called for in the GESC Standard Notes and Details.
13. The following note:
 SEE COVER SHEET OF DOUGLAS COUNTY GESC STANDARD NOTES AND DETAILS (SHEET 1) FOR LEGEND OF BMP NAMES AND SYMBOLS.
14. Douglas County acceptance block.
15. Other information as may be reasonably required by Douglas County.
16. Design Engineer sign off block.

IV. INTERIM GESC DRAWING

The Interim GESC Drawing shall show all the information included on the Initial GESC Drawing, as noted below

Design Engineer			County Engineer		
Yes	No	N/A	Yes	No	N/A

1. Existing topography at 1 or 2 foot contour intervals extending a minimum of 100 feet beyond the property line, as shown on the Initial GESC Drawing. **These contours shall be screened.**

Design Engineer			County Engineer		
Yes	No	N/A	Yes	No	N/A

2. Location of all existing erosion and sediment control measures on site, as shown on the **Initial GESC Drawing Sheet. These control measures shall be screened. Dimension information for initial stage BMPs shall not be shown.**
3. Items 1, 2, and 4 through 10 from the Initial GESC Drawing (see Section 3.18.3). **In addition, the Interim GESC Drawing shall include the following:**
4. Proposed topography at 1 or 2 foot contour intervals, showing elevations, dimensions, locations, and slope of all proposed grading.
5. Outlines of cut and fill areas.
6. Location of all interim erosion and sediment controls, designed in conjunction with the proposed site topography, but also considering the controls designed in the initial GESC Drawing.
7. Locations of all buildings, drainage features and facilities, paved areas, retaining walls, curbing, water quality facilities, or other permanent features to be constructed in connection with, or as a part of, the proposed work, per approved plat, SIP or other improvement plan.

Design Engineer			County Engineer		
Yes	No	N/A	Yes	No	N/A

8. The following notes:
 - SEE COVER SHEET OF DOUGLAS COUNTY GESC STANDARD NOTES AND DETAILS (SHEET 1) FOR LEGEND OF BMP NAMES AND SYMBOLS.
 - SHADED BMPS WERE INSTALLED IN INITIAL STAGE AND SHALL BE LEFT IN PLACE IN INTERIM STAGE UNLESS OTHERWISE NOTED.
 - ALL INTERIM EROSION AND SEDIMENT CONTROL BMPS INCLUDING DRILL SEEDING AND CRIMP MULCHING OF DISTURBED AREAS, MUST BE INSTALLED, INSPECTED, AND APPROVED BY THE COUNTY PRIOR TO THE ISSUANCE OF A RIGHT-OF-WAY USE AND CONSTRUCTION PERMIT FOR THE PURPOSE OF PAVING OR INSTALLATION OF CURB AND GUTTER.
 - SEE CONSTRUCTION PLANS FOR DETAILS OF PERMANENT DRAINAGE FACILITIES SUCH AS DETENTION FACILITIES, WATER QUALITY FACILITIES, CULVERTS, STORM DRAINS, AND OUTLET PROTECTION.
9. Summary of cut and fill volumes showing how earthwork balances on site.
10. Douglas County Acceptance Block.
11. Design Engineer sign off block.

V. FINAL GESC DRAWING

This Drawing shows controls for final completion of the site. At a minimum, this Drawing shall contain the indicated information.

The Final GESC Drawing shall include all information shown on the Initial and Interim Drawings, as noted below:

Design Engineer			County Engineer			
Yes	No	N/A	Yes	No	N/A	
						1. Existing topography in areas of proposed contours need not be shown.
						2. Existing Initial and Interim BMPs shall be shown, (Screened). Dimension information shall not be shown. In addition, the following information shall be shown:
						3. Directional flow arrows on all drainage features.
						4. Any Initial or Interim BMPs that are to be removed and any resulting disturbed area to be stabilized.
						5. Location of all Final erosion and sediment control BMPs, permanent landscaping, and measures necessary to minimize the movement of sediment off site until permanent vegetation can be established.
						6. Show limits of buildings, pavement, sod, and permanent landscaping (define types) per accepted plat, SIP, or other improvement plan.
						7. Show Seeding and Mulching (SM) everywhere except buildings, pavement areas, and permanent landscaping areas.
						8. Show other BMPs considered by the Design Engineer to be appropriate.
						9. Show the following BMPs to be removed at the end of construction: <ul style="list-style-type: none"> • Indicate Dewatering (DW) to be removed. • Indicate Temporary Stream Crossings (TSC) to be removed. • Indicate Stabilized Staging Area (SSA) to be removed. • Indicate Vehicle Tracking Control (VTC) to be removed. • Indicate Construction Fence (CF) to be removed.

Design Engineer			County Engineer		
Yes	No	N/A	Yes	No	N/A

10. Include the following notes:
- SEE COVER SHEET OF DOUGLAS COUNTY GESC STANDARD NOTES AND DETAILS (SHEET 1) FOR LEGEND OF BMP NAMES AND SYMBOLS.
 - SHADED BMPs WERE INSTALLED IN INITIAL OR INTERIM GESC DRAWING AND, UNLESS OTHERWISE INDICATED, SHALL BE LEFT IN PLACE UNTIL REVEGETATION ESTABLISHMENT IS APPROVED BY THE COUNTY.
 - SEE CONSTRUCTION PLANS FOR DETAILS OF PERMANENT DRAINAGE FACILITIES SUCH AS DETENTION FACILITIES, CULVERTS, STORM DRAINS AND OUTLET PROTECTION.
11. Douglas County Acceptance Block.
 12. Design Engineer sign off block.

B. REPORT

VI. GESC DRAWING AND REPORT CHECKLIST

A copy of this GESC Drawing and Report Checklist must be completely filled out, signed by the Design Engineer, and submitted with the GESC Plan.

Design Engineer			County Engineer		
Yes	No	N/A	Yes	No	N/A

1. Name, address, and telephone number of the applicants – The name, address, and telephone number of the Professional Engineer preparing (or supervising the preparation of) the GESC Plan shall also be included, if different from the Applicants.
2. Project description – A brief description of the nature and purpose of the land-disturbing activity, the total area of the site, the area of disturbance involved, and project location including township, range, section, and quarter-section, or the latitude and longitude, of the approximate center of the project.

Design Engineer			County Engineer		
Yes	No	N/A	Yes	No	N/A

3. Existing site conditions – A description of existing topography, vegetation, and drainage; a description of any wetlands on the site; and any other unique features of the property.
4. Adjacent areas – A description of neighboring areas such as streams, lakes, residential areas, roads, etc., which might be affected by the land disturbance.
5. Soils – A brief description of the soils on the site including information on soil type and names, mapping unit, erodibility, permeability, hydrologic soil group, depth, texture, and soil structure (this information may be obtained from the soil report for the site, for the adjacent sites if acceptable by the County, or the applicable Soil Survey prepared by the Natural Resources Conservation Service).
6. Areas and volumes – An estimate of the quantity (in cubic yards) of excavation and fill involved (indicating a balance on site), and the surface area (in acres) of the proposed disturbance.
7. Erosion and sediment control measures – A description of the methods presented in the *GESC Manual* that will be used to control erosion and sediment on the site.
8. Timing/Phasing schedule – A schedule indicating the anticipated starting and completion time periods of the site grading and/or construction sequence, including the installation and removal of erosion and sediment control BMPs. Indicate the anticipated starting and completion time periods of individual project phases.
9. Permanent stabilization – A brief description, including applicable specifications, of how the site will be stabilized after construction is completed.
10. Stormwater management considerations – Explain how stormwater runoff from and through the site will be handled during construction.

Project Name: _____

DV#: _____

Date Submitted: _____

Design Engineer			County Engineer		
Yes	No	N/A	Yes	No	N/A

11. Maintenance – Any special maintenance requirements over and above what is identified in the GESC Standard Notes and Details.
12. Opinion of Probable Cost for installation and maintenance of controls – An Opinion of Probable Costs for erosion and sediment control, including anticipated maintenance during the construction phase, shall be submitted with the GESC Drawing. This will be reviewed by County staff and used as a basis for fiscal security. A copy of a spreadsheet to be used for preparing the Opinion of Probable Costs for erosion and sediment control is included in Appendix I of the *GESC Manual*. An electronic copy of the Spreadsheet is available from the Douglas County Engineering Division. Unit costs used to develop probable erosion and sediment control costs shall be shown in the spreadsheet.
13. Calculations – Any calculations made for the design of such items as Sediment Basins or Erosion Control Blanket selection.
14. Other information of data – As may be reasonably required by Douglas County.
15. The following note: – “THIS GRADING, EROSION AND SEDIMENT CONTROL PLAN HAS BEEN PLACED IN THE DOUGLAS COUNTY FILE FOR THIS PROJECT AND APPEARS TO FULFILL THE APPLICABLE DOUGLAS COUNTY GRADING, EROSION AND SEDIMENT CONTROL CRITERIA. ADDITIONAL GRADING, EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED OF THE OWNER OR HIS/HER AGENTS, DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT FUNCTION AS INTENDED. THE REQUIREMENTS OF THIS PLAN SHALL RUN WITH THE LAND AND BE THE OBLIGATION OF THE LAND OWNER, OR HIS/HER DESIGNATED REPRESENTATIVE(S) UNTIL SUCH TIME AS THE PLAN IS PROPERLY COMPLETED, MODIFIED OR VOIDED.”



Community Planning and Sustainable Development
Engineering Division

Project Name: _____

DV#: _____

Date Submitted: _____

Design Engineer			County Engineer		
Yes	No	N/A	Yes	No	N/A

16. Signature Page – For Permittees acknowledging the review and acceptance of responsibility, and a statement by the Professional Engineer acknowledging responsibility for the preparation of the GESC Plan.