

DRAWING CHECKLIST FOR DESC PERMITS

I. EROSION AND SEDIMENT CONTROL DRAWINGS

The Erosion and Sediment Control Drawing shall provide erosion and sediment controls for the life of the project. The Erosion and Sediment Control Drawing for lot sizes of 1.0 acre or less shall be either 8.5" x 11" or 8.5" x 14" with a scale of 1 inch equals 20 feet. The Erosion and Sediment Control Drawing size for lots greater than 1.0 acre shall be either 11" x 17" or 24" x 36" and shall be at a scale of 1 inch equals 20 feet. If the lot does not fit on the specified plan size, then the areas of disturbance can be shown at a scale of 1 inch equals 20 feet with the remainder of the lot being shown at a scale that allows the lot to fit on the page. At a minimum the Erosion and Sediment Control Drawing shall include:

Design Engineer			County Engineer			
Yes	No	N/A	Yes	No	N/A	
						1. Basic property information including; street address, subdivision, filing, lot and block (Section, Township and Range, if unplatted).
						2. Limits of Construction.
						3. North Arrow.
						4. All property lines, easements and setbacks.
						5. Location, map symbol, and letter callouts for all erosion and sediment control BMPs. Each BMP shall be labeled Initial, Interim or Final in accordance with the timing of installation.
						6. All planned improvements and permanent structures such as sidewalks, patios, swimming pools, driveways, porches, retaining walls, lined swales, etc.
						7. All drainage information including swales and flow arrows as shown on Phase III Drainage Plans.
						8. Design Firm's Name and Address.
						9. DESC Drawing Designer's signature block with name, date, and registration number.

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

10. Signature block shall include the following note:
 THE DRAINAGE, EROSION AND SEDIMENT CONTROL DRAWING 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.
11. Douglas County DESC Acceptance Block.

II. DRAINAGE PLAN

The Drainage Plan shall be lot specific, and shall provide the detailed final grading for the lot, and or disturbed area(s). The Drainage Plan for lot sizes of 1.0 acre or less shall either be 8.5" x 11" or 8.5" x 14" and shall be a scale of 1 inch equals 20 feet. The Drainage Plan size for lots greater than 1.0 acre shall either be 11" x 17" or 24" x 36" and shall be at a scale of 1 inch equals 20 feet. If the lot does not fit on the specified plan size, then the areas of disturbance can be shown at a scale of 1 inch equals 20 feet with the remainder of the lot being shown at a scale that allows the lot to fit on the page.

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

1. Basic property information including: street address; subdivision; filing; lot and block (Section, Township and Range, if unplatted).
2. North Arrow
3. All property lines, easements and setbacks.
4. FEMA Floodplain limits shall be shown if there is floodplain on the lot.
5. Spot elevations and drainage flow arrows to accurately illustrate the site drainage patterns. At a minimum the plan shall contain:
 - A. Drainage swales labeled with spot elevations to the nearest 1/10 of a foot, and drainage flow arrows, illustrated to the nearest 1%, starting at the high points and along the swale at 25 foot intervals
 - B. Spot elevations, to the nearest 1/10 of a foot at each foundation corner, each point of elevation change, top of driveway at the garage entrance and point of driveway discharge.
 - C. Slopes illustrated with an arrow showing the direction of flow to the nearest 1%, for a distance of 10 feet from the top of backfill at

Project Name: _____
 DV#: _____
 Date Submitted: _____

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

- foundation for each foundation corner along the foundation at 20 foot intervals and each point of foundation elevation change.
- 6. Label locations where existing stormwater runoff enters the lots and discharges from the lot to adjacent rights-of-way, properties and easements.
- 7. Design Firms Name and Address
- 8. DESC Drawings Designer's Signature Block with name date and registration number.
- 9. Signature block shall include the following note:
THE DRAINAGE, EROSION AND SEDIMENT CONTROL DRAWING 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.
- 10. Douglas County DESC Acceptance Block.
- 11. Per the *Drainage Manual*, as amended; the drainage plan for residential lots 2.5 acres and larger, shall include the percent imperviousness based on the existing and planned improvements.

III. DESC PLAN FOR NON-HABITABLE/ACCESSORY STRUCTURES

The requirements for a Designer to develop a DESC Plan shall be waived for non-habitable/accessory structures if **all** of the following conditions are met:

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

- 1. The footprint of the structure does not exceed 2,000 square feet.
- 2. The structure is placed more than 25 feet from a habitable structure.
- 3. The structure is more that 50 feet from property lines.
- 4. The structure is more than 100 feet from a drainageway.
- 5. The structure is more that 100 feet from a FEMA mapped 100 year floodplain.

The Non-Habitable/Accessory Structures that meet the conditions of Section 8.4.20 may be required to submit a hand-drawn Erosion and Sediment Control Plan (see Section 8.4.17) along with drainage flow arrows on an aerial photograph. Additional information may be required by the County depending on site specific conditions.

