

DRAWING CHECKLIST FOR OIL AND GAS WELL FACILITIES

I. THE INITIAL PLAN

The Initial Plan shall show the area disturbed necessary to create the initial pad site, associated access roads, and all other areas of disturbance necessary to bring the well into production. The initial plan shall show, at a minimum, the following information and BMPs:

Design Engineer			County Engineer			
Yes	No	AS-BUILT	Yes	No	AS-BUILT	
						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 area of disturbance.
						4. Location of any existing structures or hydrologic features within the mapping limits.
						5. Survey point used for project.
						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. General location of wells.
						8. Sediment Basin at the low point on the site.
						9. Diversion Ditch to route all stormwater runoff to the Sediment Basin.
						10. Vehicle Tracking Control pad at each entrance and exit.
						11. Location of borrow or disposal areas.
						12. Limits of any defined floodplain within 100 feet of any proposed disturbance associated with the oil and gas facility.
						13. Location of temporary roads.
						14. Location, map symbol, and letter callouts of all initial erosion and sediment control BMPs.
						15. Information to be specified for each BMP, such as type and dimensions, as called for in the GESC Standard Notes and Details.
						16. the following note: SEE COVER SHEET OF DOUGLAS COUNTY GESC STANDARD NOTES AND

Project Name: _____

DV#: _____

Date Submitted: _____

Design Engineer			County Engineer		
Yes	No	AS-BUILT	Yes	No	AS-BUILT

DETAILS (SHEET 1) FOR LEGEND OF BMP NAMES AND SYMBOLS.

17. Douglas County acceptance block.
18. Other information as may be reasonably required by Douglas County.

II. THE FINAL PLAN

The Final GESD Drawing shall include site clean up, permanent improvements, regrading and revegetation of any disturbed areas and any additional temporary erosion and/or sediment controls necessary until the well site meets final stabilization. Final stabilization shall mean installation of all permanent improvements, stabilization of all driving/parking/storage areas with gravel or other acceptable surface material and vegetation of all disturbed areas that meets the requirements of Section 6.4.2. of the *GESD Manual*.

The Final Plan shall show, at a minimum, the following information and BMPs:

Design Engineer			County Engineer		
Yes	No	AS-BUILT	Yes	No	AS-BUILT

1. Existing topography in areas of proposed contours need not be shown.
2. Existing Initial BMPs shall be shown, (screened). Dimension information shall not be shown.
3. Location of permanent oil and gas facilities such as well heads, tanks, etc.
4. Location of all gravel driving/parking/production areas.
5. Seed and Mulch of all disturbed areas outside of the gravel driving/parking/production areas.
6. Erosion Control Blanket on slopes steeper than 4:1.
7. Location of permanent drainage features including water quality facilities per the *Drainage Manual*, as amended.
8. Limits of any designated floodplain within 100 feet of any proposed disturbance associated with the oil and gas location.
9. Additional BMPs as required by Section 3 of the *GESD Manual*.
10. Directional flow arrows on all drainage features.
11. Any initial BMPs that are to be removed and any resulting disturbed area to be stabilized.
12. Location of all final erosion and sediment control BMPs (including seeding and

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Date Submitted: _____

Design Engineer			County Engineer		
Yes	No	AS-BUILT	Yes	No	AS-BUILT

mulching), permanent landscaping, and measures necessary to minimize the movement of sediment off site until permanent vegetation can be established.

13. Show other BMPs considered by the designer to be appropriate.
14. 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 PLAN AND, UNLESS OTHERWISE INDICATED, SHALL BE LEFT IN PLACE AND MAINTAINED 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 INLET AND OUTLET PROTECTION.
15. Douglas County acceptance block.
16. Other information as may be reasonably required by Douglas County.