

Grading, Erosion, and Sediment Control (GESC) Plan Checklist

This checklist must be completed, signed, and submitted with the GESC Plan.

Erosion and sediment Control (ESC) Permits do not require this checklist

GESC Plan shall be a stand-alone document and not included in the Construction Drawings

Yes	No	N/A	GESC Requirement
			GESC PLAN COVER SHEET
			Name or Project/Site Name.
			Project Address.
			Owner Contact Information (Name, Company, Address, Phone).
			Engineer Contact Information (Name, Company, Address, Phone).
			Plan Sheet Index.
			Case Number(s) in lower left-hand corner.
			The following notes:
			<p>GESC Design Engineer’s signature block with name, date, and Professional Engineer registration number. Signature blocks shall include the following certification statement: “I hereby attest that this Grading, Erosion, and Sediment Control (GESC) document for <i>[insert development name]</i> has been prepared by me or under my direct supervision, and to the best of my knowledge and ability has been prepared in accordance with the latest version of the GESC Manual. The signature and stamp affixed hereon certifies that this GESC document was prepared in accordance with the required regulations and criteria; however, the stamp and signature does not certify or guarantee future performance of the execution of the plan by the operator. The operator is responsible for executing the construction work according to the information set forth in the plan and in accordance with all applicable requirements.”</p> <p>Registered Professional Engineer _____ State of Colorado No. _____ Affix with Seal with Date</p>
			<p>Owner or authorized agent acknowledgement of the GESC review and acceptance of GESC responsibility by including the following certification statement: “I hereby certify that additional control measures may be required of the permittee if the plan does not function as intended. The requirements of this GESC document shall run with the land and be the obligation of the owner until such time as the plan is completed, modified, or voided”</p> <p>Owner or authorized agent _____ Signature _____ Date _____</p>

Yes	No	N/A	GESC Requirement
			Approval Block 4.5" x 5.5".
			<p data-bbox="500 300 816 321">Arapahoe County Approval Block</p> <div data-bbox="485 348 837 779" style="border: 1px solid black; padding: 10px;"> <p data-bbox="561 684 761 701" style="text-align: center;">Engineering Services Division</p> <p data-bbox="500 705 813 764">These plans have been reviewed and approved by Arapahoe County for Grading, Erosion, and Sediment Control improvements only.</p> </div>
			<p data-bbox="456 789 1325 890">General Location Map (non-copy written images or proper attribution included) at a scale of 1-inch to 1000-feet to 8000-feet, indicating:</p> <ol data-bbox="505 911 1065 1052" style="list-style-type: none"> 1. General vicinity of the site and location. 2. Major roadway names. 3. North arrow. 4. Scale.
			GESC DRAWING INDEX SHEET
			<p data-bbox="456 1108 1429 1245">For projects that require multiple plan-view sheets to adequately show the project area (based on a scale of 1" = 100' or larger), a single plan-view sheet shall be provided at a scale appropriate to show the entire site on one sheet.</p> <p data-bbox="456 1255 1352 1318">Areas of coverage of the multiple blow-up sheets are to be indicated as rectangles on the index sheet.</p>
			<p data-bbox="769 1325 1105 1350" style="text-align: center;">INITIAL GESC DRAWING</p> <p data-bbox="488 1360 1385 1423">This plan sheet shall show Control Measures for the initial clearing, grubbing and preparation of a project. At a minimum it shall contain:</p>
			Property lines.
			Jurisdictional boundaries.
			<p data-bbox="456 1539 1127 1564">Existing topography at 1 or 2-foot contour intervals.</p> <p data-bbox="456 1572 1352 1675">Unless infeasible, contour intervals shall extend a minimum of 100-feet beyond the property line of the limits of construction if the project goes beyond property lines.</p>
			Existing and proposed easements.
			Labeled location of any existing structures or hydraulic features within the mapping boundary.
			Flow arrows that show stormwater flow directions on and off site.
			North arrow.

Yes	No	N/A	GESC Requirement
			Scale.
			Approval Block.
			Limits of construction encompassing all areas of work access points, storage and staging areas, borrow areas, stockpiles, construction trailer, utility tie-in locations, and floodplain or other environmentally sensitive areas within the limits of construction.
			Stream corridors, floodplains, and other Environmentally Sensitive Areas shall be shaded to show that those areas may not be disturbed, unless otherwise approved by the County.
			Location of active construction stockpiles, including topsoil, imported aggregates, and excess material.
			Location or storage and staging areas for equipment, equipment maintenance, fuel, lubricant, chemical (and other materials) and waste storage.
			Location of borrow or disposal areas.
			Location of temporary roads, including haul routes.
			Location, map symbol, and letter callouts of all initial control measures.
			Location, map symbols, and letter callouts of vehicle tracking controls (VTC.)
			Location, map symbols, and letter callouts of concrete washout area(s) (CWA).
			Location, map symbol, and letter callouts of dedicated asphalt and concrete batch plants.
			Location or other areas of operations where spills can occur. Refer to Section 6 of the <i>GESC Manual</i> .
			Information to be specified for each control measure, such as type and dimension called for in Section 8 of the <i>GESC Manual</i> .
			INTERIM GESC DRAWING This plan sheet shall show control measures during the grading, site construction, and revegetation process. At a minimum it shall contain:
			Existing topography and location of all existing control measures on the site, as shown on the Initial GESC Plan shall be screened/shaded back. Dimensions and quantity information for initial stage control measures should not be shown.

Yes	No	N/A	GESC Requirement
			Proposed topography at 1- or 2-foot contour intervals. Unless infeasible, contour intervals shall extend a minimum of 100-feet beyond the property line of the Limits of Construction if the project goes beyond property lines.
			Outlines of cut and fill areas and the summary of cut and fill volumes. Separate cut/fill sheets is permissible.
			Location, map symbol, and letter callouts of all interim control measures, including applicable control Measures implemented in the initial phase.
			Location, map symbols, and letter callouts of any anticipated stormwater dewatering (DW) activities. Note that dewatering is covered by a CDPS permit issued by CDPHE-WQCD. If this permit is anticipated, include the following note: "Location of CDPS Construction Dewatering activities must be updated by the permittee on the GESC plan and permitting occurs and prior to dewatering activity."
			Location of all improvements, drainage features and facilities, and other permanent features to be constructed in connection with, or as a part of, the proposed work, per the approved land use plan.
			Information to be specified for each control measure, such as type and dimension called for in Section 8 of the GESC Manual.
			FINAL GESC DRAWING This plan sheet shall show control measures at the completion of site construction through the final stabilization stage. At a minimum it shall contain:
			Only final contours shall be shown.
			Flow arrows that show stormwater flow direction on and off site, including all drainage features.
			Location of all final phase control measures, including applicable control measures implemented in the initial and/or interim phase, permanent landscaping, and any control measures necessary to minimize the movement of sediment off site until permanent vegetation can be established.
			Information to be specified for each Control Measure, such as type and dimension called for in Section 8 of the GESC Manual.
			OIL AND GAS ONLY: Location of permanent improvements such as well heads, tanks, etc.
			OIL AND GAS ONLY: Location and limit of production area.
			GESC NARRATIVE SHEET
			Completed GESC Narrative Sheets shall be included in each set of GESC plans.

			GESC STANDARD NOTES AND DETAILS
			A copy of the GESC Plan Standard Notes and Details shall be included in each set of GESC plans.

GESC Design Engineer Name:

Signature:

Date:
