

Section 7. Low Impact GESC Permit

Overview of Section 7

7.0

The streamlined 10-step process provided in this section applies to a Low Impact GESC Permit. For Temporary Batch Plant and Standard GESC Permits, see Sections 2 through 6 of the GESC Manual.

Step 1. Confirm that a Low Impact GESC Permit is required (see Section 7.1).

Step 2. Prepare a Low Impact Permit Application and Drawing (see Section 7.2).

Step 3. Submit the Low Impact Permit Application and Drawing to the County for review and acceptance and revise documents as necessary to address County comments (see Section 7.3).

Step 4. After County acceptance, pay fee, submit Fiscal Security if required, and pick up Low Impact Permit, Accepted Low Impact GESC Drawing, and GESC Field Manual (see Section 7.4).

Step 5. Review GESC Field Manual and ensure that Permittee(s) understand Low Impact Permit requirements (see Section 7.5).

Step 6. Install Initial BMPs on the project site (see Section 7.6).

Step 7. Start construction, implementing erosion and sediment control in accordance with the Low Impact Permit Drawing. The Low Impact GESC Permit, Drawing, and GESC Field Manual are to be kept on site at all times during construction (see Section 7.7).

Step 8. Address issues raised during any County GESC Inspections (see Section 7.8).

Step 9. Drill seed and crimp mulch all disturbed areas in accordance with the GESC Field Manual (see Section 7.9).

Step 10. Schedule Vegetation Acceptance Inspection when vegetative growth has reached the required coverage. After receiving written acceptance of vegetation establishment from the County, remove the on site BMPs, then project is complete (see Section 7.10).

Section 7. Low Impact GESC Permit

Low Impact Step 1. Confirm that a Low Impact GESC Permit is Required

This section describes the GESC Permit Process for Low Impact GESC Permits. This process, consisting of ten steps, is more streamlined than the 20-step process described in Sections 2 through 6 for Temporary Batch Plant and Standard GESC Permits.

The ten-step process for Low Impact GESC Permits is shown in the figure 7-1, on page 7-3. The following sections describe this ten-step process.

Low Impact Permit Step 1: Confirm that a Low Impact GESC Permit is required.
Section 7.1 discusses Step 1.

Projects that Require a Low Impact GESC Permit

7.1

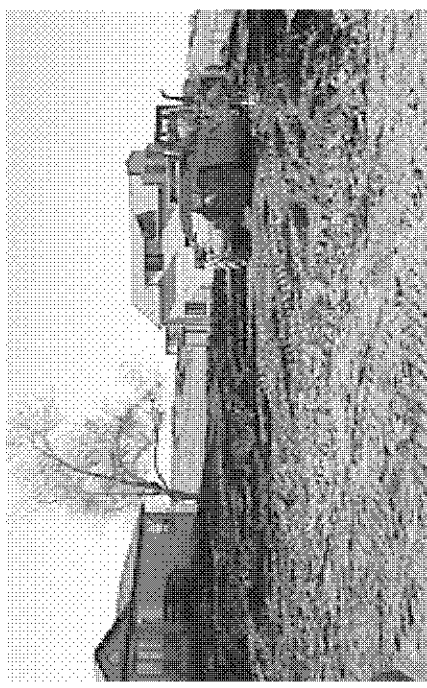
The first step in the process is to examine the information in Sections 1.4 and 1.5 to confirm that a Low Impact GESC Permit is required for the project. This Low Impact GESC Permit applies to projects with a disturbed area less than one acre where insignificant negative impact can be adequately demonstrated to County staff.

The Engineering Division can be contacted to clarify GESC Permit requirements and interpret which GESC Permit, if any, applies to a particular project. Contact information is provided in Appendix A.

1 Even though the Low Impact GESC Permit offers streamlined application and inspection procedures, the erosion and sediment control practices discussed herein shall be adhered to and penalties for non-compliance will apply.

As shown in figure 7-1 on page 7-3, a simplified permitting process is associated with a Low Impact GESC Permit. A Low Impact GESC Permit does not require a GESC Drawings to be prepared or stamped by a Professional Engineer because typically the work does not involve engineering design.

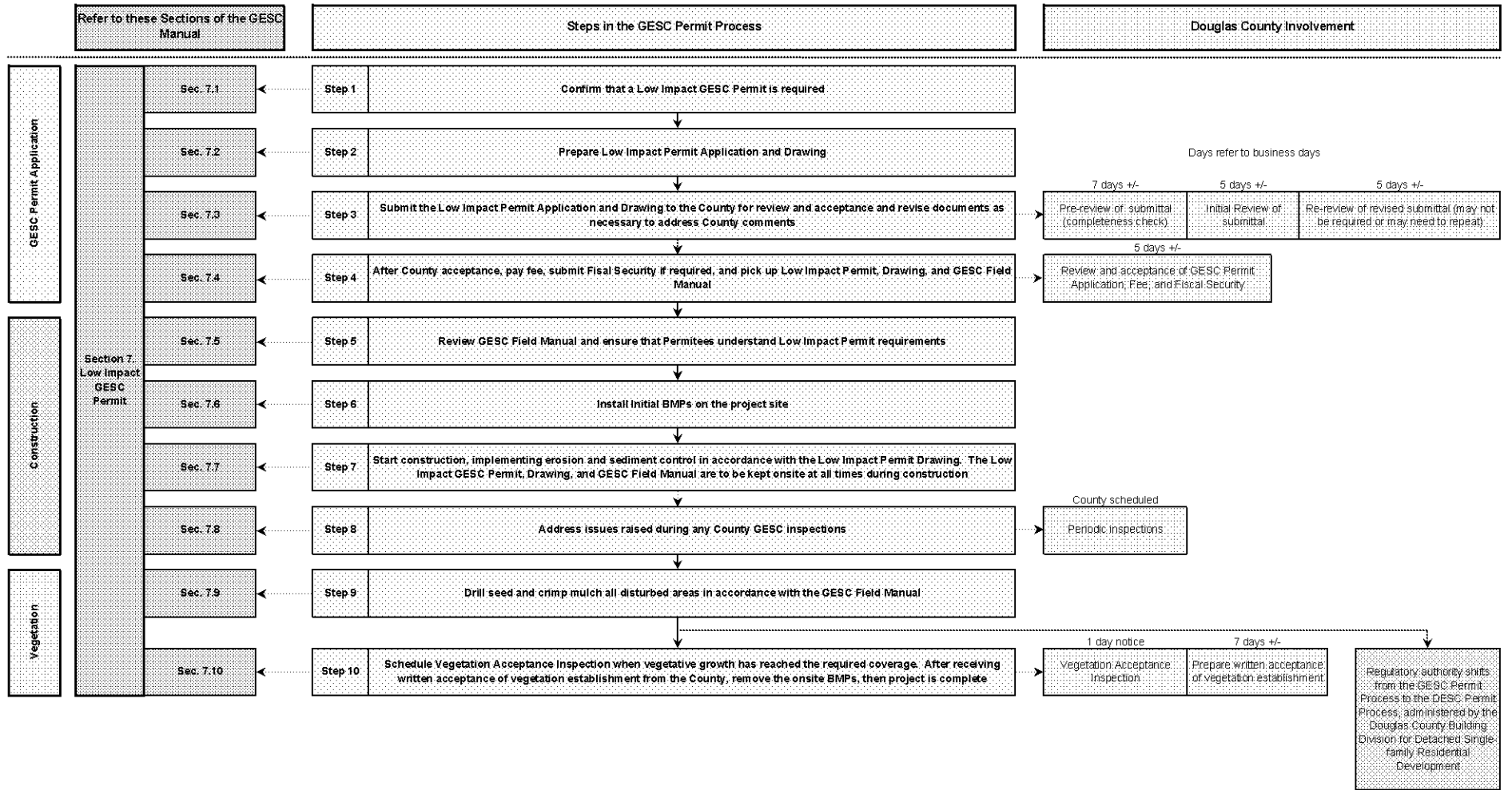
Even with streamlined application and inspection procedures, the erosion and sediment control practices discussed herein shall be followed. If the County finds a Low Impact Permittee to be non-compliant, the Permit may be revoked and a Stop Work Order issued in accordance with Section 5.10.3.



Low Impact GESC Permits have a streamlined permitting and inspection process.

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DOUGLAS COUNTY LOW IMPACT GESC PERMIT PROCESS



Low Impact Permit Step 2: Prepare Low Impact Permit Application and Drawing.
Section 7.2 discusses Step 2.

Low Impact GESC Permit Application and Drawings

7.2

7.2.1 Low Impact Permit Application Requirements. For Low Impact Permits, GESC Drawings shall be accompanied by a completed Low Impact GESC Permit Application (a copy of the application form is included in Appendix N). No GESC Report is required for the Low Impact Permit, but the application form requires descriptive information regarding the proposed project.

7.2.2 Low Impact Drawing Requirements. Although a detailed GESC Plan need not be prepared for sites where a GESC Low Impact Permit is sought, the following drawings shall be prepared and submitted to the County to provide enough information to determine if a Low Impact Permit is acceptable for the proposed work:

1. General location map – at a scale of 1-inch to 1000-feet to 1-inch to 8000-feet, indicating the general vicinity of the site location, including all roadways and north arrow.
2. Detailed plan showing:
 - North arrow.
 - Approximate scale of drawing.
 - Limits of work area.
 - Proximity of work area to property lines.
 - All surface water hydrologic features within 100-feet of proposed work area and directional flow arrows indicating stormwater runoff.
 - Erosion and sediment control BMPs in accordance with these criteria.

The principles described in Section 3 for preparing a GESC Plan also apply to a Low Impact GESC Drawing. Specifically, Section 3.1 discusses principles of erosion and sedimentation, Section 3.3 describes ten elements of an effective GESC Plan, and Section 3.17 provides design and sizing criteria for BMPs. An example GESC Drawing for a Low Impact GESC Permit is shown in Appendix C.

Section 3, especially Section 3.3, Ten Elements of an Effective GESC Plan, and Section 3.17, Design and Sizing Criteria for BMPs, provides guidance for preparing a Low Impact GESC Drawing.

An example GESC Drawing for a Low Impact GESC Permit is shown in Appendix C.

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Low Impact Permit Step 3: Submit the Low Impact Permit Application and Drawing to the County for review and acceptance and revise documents as necessary to address County comments.
Section 7.3 discusses Step 3.

Submit Low Impact Application and Drawing; Address County Comments

7.3

After the GESC Drawing has been prepared and a Low Impact Permit Application form has been filled out and signed, the items shall be submitted to the Engineering Division.

The GESC Plan will be reviewed with an eye toward the effectiveness of the overall Plan. After review, written comments will be provided to the applicant.

Low Impact Permit Step 4: After County acceptance, pay fee, submit Fiscal Security if required, and pick up Low Impact Permit, Drawing, and GESC Field Manual.
Section 7.4 discusses Step 4.

Pay Permit Fee and Submit Fiscal Security

7.4

Once the GESC Drawing and Permit have been accepted by Douglas County, the Applicant shall pick up the Drawing, Permit, and a copy of the GESC Field Manual. At the same time, the Applicant shall pay permit fees to the County, and, if the County requires, submit Fiscal Security for the work. Permit fees shall be paid in accordance with Section 4.8 and Fiscal Security shall be submitted in accordance with Section 4.9.

Low Impact Permit Step 5: Review GESC Field Manual and ensure that Permittees understand Low Impact Permit requirements.
Section 7.5 discusses Step 5.

Review GESC Field Manual

7.5

The Permittee(s) shall thoroughly review the GESC Field Manual, the GESC Drawing, and the GESC Plan Standard Notes and Details for any BMPs that will be installed to understand all of the requirements of the GESC Permit Process. Any subcontractors and field personnel also need to be made aware of the GESC requirements.

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Low Impact Permit Step 6: Install Initial BMPs on the project site. Section 7.6 discusses Step 6.

Install Initial BMPs

7.6

Once the a copy of the GESC Field Manual has been picked up and reviewed, the Initial BMPs shown on the approved GESC Low Impact Drawing shall be installed.

Section 5, in particular Section 5.7, provides guidance on the correct installation and maintenance of BMPs.

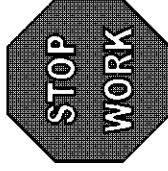
Low Impact Permit Step 7: Start construction, implementing erosion and sediment control in accordance with the Low Impact Permit Drawing. The Low Impact GESC Permit, Drawing, and GESC Field Manual are to be kept on site at all times during construction. Section 7.7 discusses Step 7.

Begin Construction

7.7

After installation of the Initial BMPs, construction may begin. The approved GESC Permit, the accepted construction drawings and the GESC Field Manual are to be kept on site in the Permittee(s)' possession at all times.

During construction, all GESC criteria, including seeding and mulching requirements, shall be adhered to. If Douglas County finds a Low Impact Permit holder to be non-compliant with the GESC Permit or any other GESC criteria, the Permit may be revoked and a Stop Work Order issued (see Section 5.10.3). The County may then require the Permittee(s) to obtain a Standard GESC Permit per Sections 2 through 6.



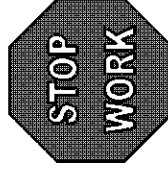
Low Impact Permit Step 8: Address issues raised during any County GESC inspections. Section 7.8 discusses Step 8.

Address any GESC or Engineering Inspection Comments

7.8

Under a Low Impact GESC Permit, only a final Vegetation Acceptance Inspection by County staff is required (and this only for certain cases); however, GESC Inspectors shall visit a Low Impact site regularly. Permittee(s) shall address any comments or corrections required by the GESC Inspector. Failure to correct issues raised by the County may result in a Stop Work Order (see Section 5.10.3).

Section 5.10 provides information on violations and enforcement, including the Stop Work Order.



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Low Impact Step 9: Drill Seed and Crimp Mulch all Disturbed Areas

Low Impact Permit Step 9: Drill seed and crimp mulch all disturbed areas in accordance with the GESC Field Manual. Section 7.9 discusses Step 9.

Drill Seed and Crimp Mulch All Disturbed Areas

7.9

All disturbed areas shall be drill seeded and crimp mulched in accordance with Section 5.7.15 and the GESC Plan Standard Notes and Details (see Appendix B). Seeding and mulching shall take place within 30 days from the initial disturbance or within 7 days of substantial completion.

Low Impact Permit Step 10: Schedule Vegetation Acceptance Inspection when vegetative growth has reached the required coverage. After receiving written acceptance of vegetation establishment from the County, remove the on site BMPs, then project is complete. Section 7.10 discusses Step 10.

Schedule Vegetation Acceptance Inspection

7.10

When required by the County (not required for detached single-family residential units that transition to the DESC Program), a vegetation acceptance Inspection shall be required. Sections 6.4 and 6.5 describe requirements for vegetative coverage and control of noxious weeds.

After receiving written acceptance of the vegetative coverage, the on-site BMPs may be removed and the project is complete.

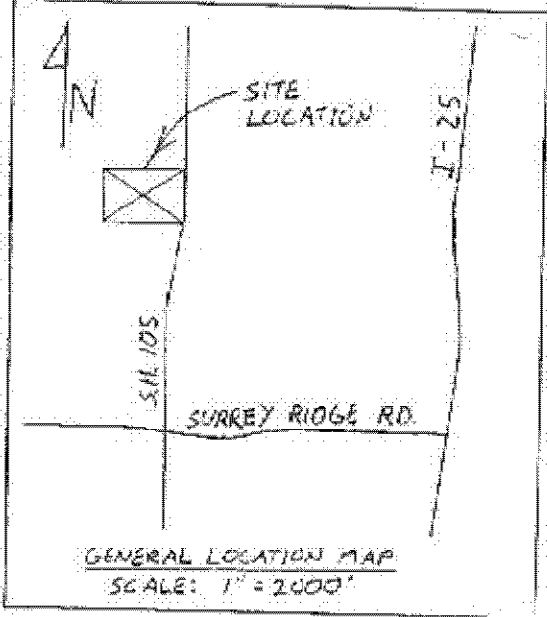
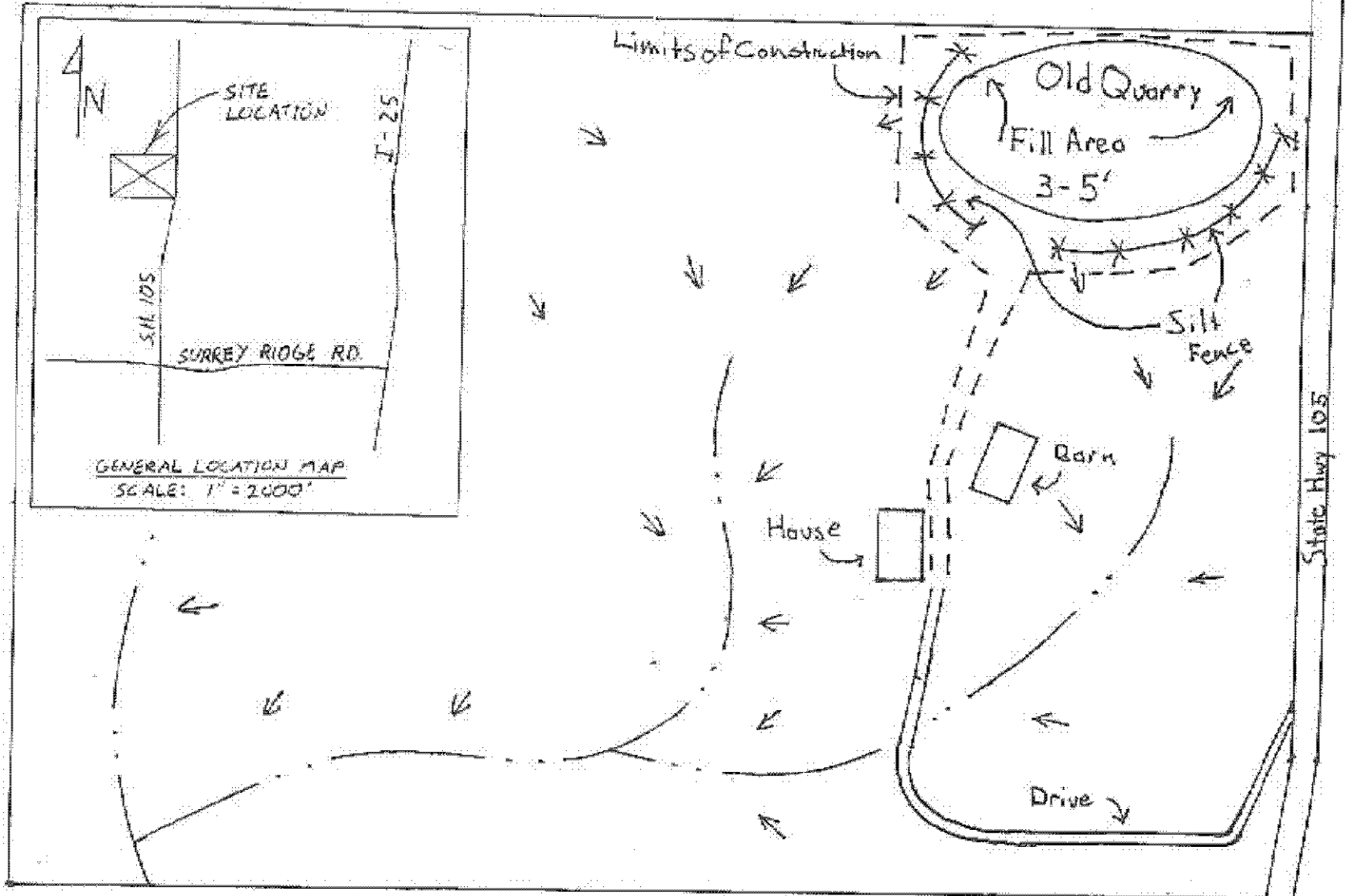
Appendix C

**Example GESC
Drawings**

Low Impact GESC Drawing



13506 State Highway 105



DETAILED PLAN

1" = 100'

State Hwy 105



Douglas County Government
Community Planning and
Sustainable Development
Department

FILE #: _____
PAID: ____/____/____
CHECK/CASH/CHARGE
CHK# _____ REC# _____
AMOUNT: \$ _____

GRADING, EROSION AND SEDIMENT CONTROL (GESC) LOW IMPACT PERMIT APPLICATION

Each question must be fully and accurately answered. No action can be taken on this application until all questions have been answered. PLEASE PRINT, except for signature.

PROPERTY OWNER	CONTRACTOR
NAME: _____	NAME: _____
ADDRESS: _____	ADDRESS: _____
CONTACT NAME: _____	CONTACT NAME: _____
PHONE: _____	PHONE: _____
DISTURBED ACRES (Including grading/excavation/fill): _____	ESTIMATED MATERIAL VOLUME: _____ cubic yards
PROJECT ADDRESS: _____	PROJECT LOCATION: _____
SUBDIVISION/PROJECT NAME: _____	
Project Description: Use Additional Sheets if Necessary: _____ _____	
Required Information: <input type="checkbox"/> 1. General location map – at a scale of 1-inch to 1000-feet to 1-inch to 8000-feet indicating the general vicinity of site location, including all roadways. <input type="checkbox"/> 2. Detailed plan showing: limits of work area, proximity of work area to property lines, all surface water hydrologic features within 100 feet of proposed work area, directional flow of surface water runoff, and proposed erosion and sediment controls.	
By signing below, both applicants hereby apply for a Douglas County GESC Low Impact Permit for the aforementioned property and certify as follows: <ol style="list-style-type: none"> 1. To the best of my/our knowledge, the information provided herein is correct; 2. A Low Impact GESC Plan for the disturbed area on this site was prepared and submitted in accordance with the GESC Manual, as amended; 3. Annual renewal of this permit is required; and 4. I certify I am legally authorized to sign on behalf of and bind the above listed entity(s). 	
The Low Impact GESC Plan Permit is granted with the explicit understanding that it is the Permittees' responsibility to: <ol style="list-style-type: none"> 1. Allow Douglas County unrestricted access to the site to conduct regular site inspections; 2. Comply with all requirements of the GESC Manual, accepted GESC plan, and GESC Permit; 3. Immediately cease land-disturbing activities upon receipt of a written Stop Work Order from an authorized representative of Douglas County. A Stop Work Order shall be issued and this Permit revoked if the Permittees are not in compliance with the GESC Permit, GESC Plan and/or GESC Manual, or the Permittees fail to take corrective action within the time specified on the written notification of such non-compliance; 4. Understand that in addition to other remedies, a violation of this GESC Permit shall constitute a violation of Section 31 of the Douglas County Zoning Resolution; and 5. Understand any approval obtained from Douglas County does not obviate your need to comply with the requirements of the State of Colorado Department of Public Health and Environment, Colorado Discharge Permit System, General Permit, and Sections 7 and 9 of the Endangered Species Act of 1973, 16 U.S.C. 1531, <u>et seq.</u>, as amended, or with any other applicable federal, state or local laws or regulations. 	
Property Owner Signature: _____	Contractor Signature: _____
Date: _____	Date: _____
Print Name: _____	Print Name: _____
Title: _____	Title: _____

PERMIT APPROVAL (for County Use Only)	
Base Fee – NO COST	
STAFF APPROVALS	
Development Review Engineer: _____	GESC Inspector: _____
Date: _____	Date: _____
Director of Engineering Services Approval: _____ Date: _____	
Frederick H. Koch, P.E. Director of Engineering Services	