



EROSION AND SEDIMENT CONTROL PLAN APPLICATION

Water Quality Services – Monitoring & Compliance
ISC: Unrestricted

1.0 Project Information

1.1 Project Name

1.2 Estimated Project Start-Up Date

1.3 Legal Land Location

1.4 Address

1.5 Community Name

1.6 Overall Site Size (ha)

1.7 Stormwater Movement Storm Pond

 Receiving
 Water Body

 Outfall

1.8 Consultant ID#(optional)

2.0 Application Type: check and fill out one option

☐ 2.1 Stripping and Grading
Development Permit#

Development Agreement #

☐ 2.2 Industrial, Commercial, Institutional, Multifamily
Development Permit #

Parent Stripping and Grading #
DP or DA#

☐ 2.3 Subdivision Development including Offsites and Bareland Condos
Construction Drawing #

Development Agreement #

Parent Stripping and Grading #
DP or DA#

☐ 2.4 City of Calgary Projects
Development Permit

Or Liaison #
Construction Drawing #

3.0 Contact Information

	Company Name	Contact Name	Office Phone#	Cell Phone#	Email
3.1 Person Responsible					
3.2 Parcel Owner					
3.3 ESC Consultant					
3.4 ESC Inspector					

4.0 Project Details

4.1 Project Description

4.2 Site Visit Date(Recent)

4.3 Visit Limitations

4.4 Cover and Practice Information

4.5 Low Impact Developments

4.6 Critical Areas

4.7 Run-on, Run-off and Emergency Overland Flow Locations

4.8 Referenced Documents

4.9 Project Specific Information

5.0 Attachments/Supporting Documents

Mandatory Attachments

Check to Confirm the Following Documents are Provided

5.1 Site Photos and Map

Attached

5.2 RUSLE Calculations

Attached

5.3 Inspection Sheet

Attached

Site Specific Attachments

Check to Clarify which of the Following Documents are Provided

5.4 Sediment Containment System Information

Attached

No sediment containment systems are proposed for the site

5.5 Manufacturers Information

(Manufactures erosion and sediment control information includes data on how P-value or C-value was derived)

Attached (some values used may also come from the *Standard Specifications – ESC*)

All C and P-values come from the *Standard Specifications – ESC*

5.6 Geotechnical Data

(Data on soil structure and texture, sieve analysis, % organic matter, and nomograph)

Attached

Default use of 0.079

5.7 Permission Letters Relevant to ESC

Attached

Not Applicable

5.8 Non-Standard Control

Attached

Not Applicable

5.9 Haul Route Map

Attached

Not Applicable

To be Provided at the Pre-construction Meeting

Supplemental Information e.g. Support why attachments weren't supplied or what other attachments (not noted above) were supplied

6.0 Winterization Plan

List <u>all</u> Controls Used on Site (section 11.0 Erosion and Sediment Controls)	Winter Removal?	If No – provide maintenance requirements If Yes – when will it be reinstalled	Can it be Installed on Frozen and/or Snow Covered Ground?	Check install before winter or provide alternate	
				Must <i>Install Before</i> <i>Winter or →</i>	<i>Provide an Alternate Control</i> if installation is required during frozen conditions

7.0 Stockpile Stabilization Requirements

Stockpile Stabilization Requirements

Duration of stockpile placement

Identify controls to be put in place when there is inactivity in any area

Short term (less than 30 days) sediment control

Long term (30 days or more) erosion control

Material Stockpiled (topsoil, subsoil)	Volume	Estimated Length of time in place
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8.0 Construction Drawings, check applicable drawings

Check Relevant Drawings	Description	Stripping and Grading	Sud-division, Off-sites, Bareland Condo	Multi-family, Industrial, Commercial, Institutional	Linear Projects
ESC1	Before Stripping and Grading	Mandatory		*Site Dependent	*Site Dependent
ESC2	During Stripping and Grading	Likely Mandatory		*Site Dependent	*Site Dependent
ESC3	Post Stripping and Grading	Mandatory		*Site Dependent	*Site Dependent
ESC4	Cut and Fill or Cut and Fill Doesn't Exceed 2 Meters	Likely Mandatory	Site Dependent	Site Dependent	Site Dependent
ESC5	Before Development		Mandatory	Mandatory	Mandatory
ESC6	Post Undergrounds		Mandatory	Mandatory	Mandatory
ESC7	Above Ground Work		Mandatory	Mandatory	Mandatory
ESC8	Development Completion		Site Dependent	Mandatory	Mandatory
ESC9	Landscaping		Site Dependent	Mandatory	Mandatory
ESC10	Phasing Plan	Site Dependent	Site Dependent	Mandatory	Site Dependent

*Site Dependent – Stripping and Grading information is only required if not previously approved and the site if the site requires stripping and grading activities. Call 311 to discuss with an Environmental Compliance Specialist.

Notes: Make note of any additional drawings required or why required drawings were not supplied

9.0 Drawing Requirements List

Drawings represent plateaus of stabilization and show the site at a factual period. Each drawing should include details of what is present at that stage, no more, no less. Click [here](#) to review the requirements that must be included on the ESC drawings.

10.0 Transition Planning

14 days maximum

Start Drawing Code

Next Drawing Code

Duration of Transition in Days

Order of Actions

for Erosion and Sediment Controls

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

Transiton Details

Contingency Plan If transition can't be conducted in the duration specified

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14 days maximum

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Next Drawing Code

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Transiton Details

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11.0 Erosion and Sediment Controls

Below are the Specifications for the most popular erosion and sediment controls and support practices used in The City of Calgary. Fill out the table for all the products used on the project. These specifications are by no means all inclusive and we encourage the continued exploration of new management practices for use our Calgary climate. If you do not see the control you wish to use, populate the blank [Non-Standard Specification](#) sheet.

200.1 Erosion Controls

Seed Specification 200.1.1

C-value	Type and Application Rate	Drawing(s) When Used	Description Where Used	Additional Information

Sod Specification #200.1.2

C-value	Type	Drawing(s) When Used	Description Where Used	Additional Information
0.01				

RECP Specification #200.1.3

C-value	Blanket Type	Drawing(s) When Used	Description Where Used	Additional Information

Attach: manufacturer's installation information and supporting data for the C-value

Hydromulch and Tackifiers Specification #200.1.4

C-value	Product Type, Application Rate	Drawing(s) When Used	Description Where Used	Additional Information
	Seed added Seed not added			

Attach: manufacturer's installation information and supporting data for the C-value

Compost Specification #200.1.5

C-value	Product Type, Application Rate	Drawing(s) When Used	Description Where Used	Additional Information

Attach: manufacturer's installation information and supporting data for the C-value

Aggregate Cover Specification #200.1.6

C-value	Aggregate Size, Application Rate	Drawing(s) When Used	Description Where Used	Additional Information

200.2 Sediment Controls

Wattles/Logs/Barriers

Specification #200.2.1

P-value	Product Type and Size	Drawing(s) When Used	Description Where Used	Additional Information

Attach: manufacturer's installation information and supporting data for the C-value

Sediment Containment Systems

Specification #200.2.2

P-value	Containment System Type	Drawing(s) When Used	Description Where Used	Additional Information

Attach: [Sediment Containment System Data](#)

Diversion Channels

Specification #200.2.3

P-value	Max and Min% Slope and Cover			
1.0				

Diversion Berms

Specification #200.2.4

P-value	Height, Composition and Cover			
1.0				

Surface Texturing

Specification #200.2.5

P-value	Texturing Types	Drawing(s) When Used	Description Where Used	Additional Information

Silt Fence

Specification #200.2.6

P-value	Configuration	Drawing(s) When Used	Description Where Used	Additional Information

200.3 Support Practices

Stabilized Gravel Access Specification #200.3.1

P-value	Number Present	Drawing(s) When Used	Description Where Used	Additional Information
1.0				

Storm Inlet Controls Specification #200.3.2

P-value	Number Present	Drawing(s) When Used	Description Where Used	Additional Information

Attach: Non-Standard Specification

13.0 ESC Certification

13.1 Project Name

13.2 Municipal Site Address

The undersigned agrees and certifies that all requirements in this application have been reviewed and properly identified as part of this submission. The undersigned confirms the application complies with the *Standard Specifications – ESC* and that the creation of the erosion and sediment control plan has been undertaken by a professional with experience in the design and implementation of erosion and sediment controls who holds a designation as a Certified Professional in Erosion and Sediment Control (CPESC) or is a professional engineer (P. Eng.), professional licensee (P.L.(Eng.)), or a professional agrologist (P. Ag.).

Signature	Date Stamp	Permit to Practices/Professional Stamp or Number

City of Calgary Office Use Only

City of Calgary ESC Approval Stamp	Date Approved