



Storm Water Pollution Prevention Plan

Reeve & Associates, Inc.

Solutions You Can Build On

for

**Cameron Crossing
Weber County, Utah**



submitted to

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SECTION 1: CONTACT INFORMATION/ RESPONSIBLE PARTIES

1.1 *Owner(s) & Contractors*

Owner(s):

Doug Hamblin
M&D Developers
P.O. Box 625
Roy UT 84067
801.725-3782

Project Manager(s):

Doug Hamblin
M&D Developers
P.O. Box 625
Roy UT 84067
801.725-3782

Site Supervisor(s):

Thurgood Excavating
Richard Thurgood
2381 W 1200 N
Clinton, UT 84015
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SWPPP Contact(s):

Dough Hamblin
M&D Developers
P.O. Box 625
Roy UT 84067
801.725-3782

1.2 Storm Water Team

Owner
Doug Hamblin
801.725.3782

Thurgood Excavating
Excavator
Richard Thurgood
801.776.3601
richard@thurgoodexcavating.com

Reeve and Associates
SWPPP Prep
Jaren Meyers
801.621.3100
jmeyers@reeve-assoc.com

2.3 Construction Site Estimates

The following are estimates of the construction site.

Total project area:	11.07acres
Construction site area to be disturbed:	11.07acres
Percentage impervious area before construction:	0%
Runoff coefficient before construction:	.20
Percentage impervious area after construction:	16%
Runoff coefficient after construction	.34

2.4 Soils, Slopes, Vegetation, and Current Drainage Patterns

Soil type(s):

The Main Soil type on site is a fine sandy loam material. This soil type achieves a good balance between the ability to be very productive with minimum attention.

Slopes (describe current slopes and note any changes due to grading or fill activities):

The land is undeveloped with a general slope in the southeast – northwest. The proposed grading for the site maintains similar slope.

Drainage Patterns (describe current drainage patterns and note any changes dues to grading or fill activities):

Existing site drain from the southeast corner to the northwest corner. The overall grading and drainage patterns will remain the same where the storm water will reach the same receiving waters at its historical rate via onsite detention basin and control boxes.

Vegetation:

Vegetation at the site consists primarily of native grasses, brushes and trees.

Other:

SECTION 3: WATER QUALITY

3.1 UIC Class 5 Injection Wells

- French Drain
- Commercially Manufactured pre-cast or pre-built subsurface infiltration system
- Drywell(s), seepage pit(s), improved sinkhole(s)

Description of your Class V Injection Well:

DWQ contact information:

Name:

Date:

Additional information:

Local Requirements:

3.2 Discharge Information

Does your project/site discharge storm water into a Municipal Separate Storm Sewer System (MS4)? Yes No

List the MS4 that receives the discharge from the construction project:

Are there any surface waters that are located within 50 feet of your construction disturbances?

Yes No

List the water body:

3.3 Receiving Waters

Table 1 – Names of Receiving Waters (see <http://wq.deq.utah.gov>)

Name(s) of the first surface water that receives storm water directly from your site and/or from the MS4. (note: multiple rows provided where your site has more than one point of discharge that flows to different surface waters)
1. Ex. 18" SD in 2200 South
2. Ex. Roadside swales along 2200 South, which flow to the west.
3.
4.
5.
6.

3.6 Dewatering Practices

<i>BMP Description: N/A</i>	
<i>Installation Schedule:</i>	
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	
<i>BMP Description:</i>	
<i>Installation Schedule:</i>	
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	

Repeat as needed

3.7 Control Storm Water Flowing onto and through the Project

<i>BMP Description:</i> Silt Fence will be placed around the perimeter of the project area to prevent any sediment from run off from entering the project. See SWPPP for details	
<i>Installation Schedule:</i>	Beginning of construction
<i>Maintenance and Inspection:</i>	Inspect frequently (once a week). Remove sediment when it reaches one-third the height of the fence. Repair when damaged. Repair if not properly anchored.
<i>Responsible Staff:</i>	Hired Contractor
<i>BMP Description:</i>	
<i>Installation Schedule:</i>	
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	

Repeat as needed

SECTION 4: POLLUTION PREVENTION STANDARDS

4.1 Potential Sources of Pollution

Pollutant-Generating Activity	Pollutants or Pollutant Constituents (that could be discharged if exposed to storm water)	Location on Site (or reference SWPPP site map where this is shown)
Vehicles/Machinery	Gas/Oils/coolant	On Site
Interior/Exterior Paint	Paint	On Site
Construction Materials	Glues/Foreign Materials	On Site
Sediment	Sediment	On Site
Sanitary Toilet	Waste	On Site

Include additional rows as necessary.

4.3 *Natural Buffers or Equivalent Sediment Controls*

Buffer Compliance Alternatives

Are there any surface waters within 50 feet of your project's earth disturbances? YES NO

Check the compliance alternative that you have chosen:

- I will provide and maintain a 50-foot undisturbed natural buffer.
- I will provide and maintain an undisturbed natural buffer that is less than 50 feet and is supplemented by additional erosion and sediment controls, which in combination achieves the sediment load reduction equivalent to a 50-foot undisturbed natural buffer.
- It is infeasible to provide and maintain an undisturbed natural buffer of any size, therefore I will implement erosion and sediment controls that achieve the sediment load reduction equivalent to a 50-foot undisturbed natural buffer.
- I qualify for one of the exceptions in Part 2.1.2.a.v. (If you have checked this box, provide information on the applicable buffer exception that applies, below.)

Buffer Exceptions

Which of the following exceptions to the buffer requirements applies to your site?

- There is no discharge of storm water to the surface water that is located 50 feet from my construction disturbances.
- No natural buffer exists due to preexisting development disturbances that occurred prior to the initiation of planning for this project.
- For a "linear project" (defined in Appendix A), site constraints (e.g., limited right-of-way) make it infeasible for me to meet any of the CGP Part 2.1.2.a.v.3 compliance alternatives. Include documentation here of the following:
- The project qualifies as "small residential lot" construction (defined in Part 2.1.2.a.v.3 and in Appendix D).
- Buffer disturbances are authorized under a CWA Section 404 permit.
- Buffer disturbances will occur for the construction of a water-dependent structure or water access area (e.g., pier, boat ramp, and trail).

5.4 Establish Stabilized Construction Exits

BMP Description: Construction Entrance with 8” clean gravel

Installation Schedule:	Beginning of Construction
Maintenance and Inspection:	Replenish or replace aggregate if clogged with sediment. Sweep street regularly.
Responsible Staff:	Hired Contractor

Repeat as needed

5.5 Protect Slopes

BMP Description: Silt Fence will be placed around the perimeter of the project area to prevent any sediment from run off from entering the project. See SWPPP for details

Installation Schedule:	Beginning of construction
Maintenance and Inspection:	Inspect frequently (once a week). Remove sediment when it reaches one-third the height of the fence. Repair when damaged. Repair if not properly anchored.
Responsible Staff:	Hired Contractor

BMP Description:

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

Repeat as needed

5.6 Stockpiled Soil or Other Erodible Material

BMP Description: N/A

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

BMP Description:

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

Repeat as needed

5.9 Soil Compaction

<i>BMP Description: n/a</i>	
<i>Installation Schedule:</i>	
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	
<i>BMP Description:</i>	
<i>Installation Schedule:</i>	
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	

Repeat as needed

5.10 High Altitude/Heavy Snows

Date Snow is Expected	Date of High Altitude/Heavy Snow Conditions BMPs to be Installed	Date of First Heavy Snow
	Scheduled:	
	Actual:	

<i>BMP Description: n/a</i>	
<i>Installation Schedule:</i>	
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	
<i>BMP Description:</i>	
<i>Installation Schedule:</i>	
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	

Repeat as needed

5.13 Stabilize Soils

<i>BMP Description: n/a</i>	
<input type="checkbox"/> <i>Permanent</i>	<input type="checkbox"/> <i>Temporary</i>
<i>Installation Schedule:</i>	
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	
<i>BMP Description:</i>	
<input type="checkbox"/> <i>Permanent</i>	<input type="checkbox"/> <i>Temporary</i>
<i>Installation Schedule:</i>	
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	

Repeat as needed

5.14 Final Stabilization

<i>BMP Description: landscaping (sod)</i>	
<i>Installation Schedule:</i>	Upon complete of the site
<i>Maintenance and Inspection:</i>	To be proved by hired contractor
<i>Responsible Staff:</i>	Hired Contractor
<i>BMP Description:</i>	
<i>Installation Schedule:</i>	
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	

Repeat as needed

6.2 Construction and Domestic Waste

BMP Description: Onsite Dumpster for construction refuse

<i>Installation Schedule:</i>	Beginning of construction
<i>Maintenance and Inspection:</i>	The dumpster will be of sufficient size and number to contain the construction refuse generated by the project. The dumpster will be inspected, maintained and emptied as needed
<i>Responsible Staff:</i>	Hired Contractor per lot to provide their own

BMP Description:

<i>Installation Schedule:</i>	
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	

Repeat as needed

6.3 Washing of Applicators and Containers used for Concrete, Paint or Other Materials

BMP Description: Concrete Washout

<i>Installation Schedule:</i>	During Concrete pouring work
<i>Maintenance and Inspection:</i>	Washout will be sufficient size. The washout will be inspected, maintained, and emptied as needed.
<i>Responsible Staff:</i>	Hired Contractor per lot to provide their own

BMP Description:

<i>Installation Schedule:</i>	
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	

Repeat as needed

6.6 Control Equipment/Vehicle Washing

<i>BMP Description: not allowed on site</i>	
<i>Installation Schedule:</i>	
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	
<i>BMP Description:</i>	
<i>Installation Schedule:</i>	
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	

Repeat as needed

6.7 Pesticides, Herbicides, Insecticides, Fertilizers, and Landscape Materials

<i>BMP Description: n/a</i>	
<i>Installation Schedule:</i>	
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	
<i>BMP Description:</i>	
<i>Installation Schedule:</i>	
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	

Repeat as needed

SECTION 7: INSPECTIONS & CORRECTIVE ACTIONS

7.1 *Inspections*

1. ***Inspection Personnel:*** Identify the person(s) who will be responsible for conducting inspections and describe their qualifications:

2. ***Inspection Schedule and Procedures:***

Describe the inspection schedules and procedures you have developed for your site (include frequency of inspections for each BMP or group of BMPs, indicate when you will inspect, e.g., before/during/and after rain events, spot inspections):

Once per week, or once per two weeks and after each rain event.

Describe the general procedures for correcting problems when they are identified. Include responsible staff and time frames for making corrections:

Attach a copy of the inspection report you will use for your site.

Reduction in Inspection Frequency (if applicable)

For the reduction in inspections resulting from stabilization:

For reduction in inspections due to frozen conditions:

SECTION 8: TRAINING AND RECORDKEEPING

8.1 Training

Individual(s) Responsible for Training:
Hired Contractor

Describe Training Conducted:

- General stormwater and BMP awareness training for staff and subcontractors:

- Detailed training for staff and subcontractors with specific stormwater responsibilities:

Training Attendee Name	Title of Training	Duration	Date of Training

Additional training documentation should be included in Appendix J.

SECTION 9: CERTIFICATION

Owner

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: _____ Title: _____

Signature: _____ Date: _____

General Contractor

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: _____ Title: _____

Signature: _____ Date: _____

Appendix C – Construction General Permit

Appendix E – Inspection Reports

Appendix G – Sample SWPPP Amendment Log

Project Name:
SWPPP Contact:

Amendment No.	Description of the Amendment	Date of Amendment	Amendment Prepared by [Name(s) and Title]

Appendix K – *Sample* Delegation of Authority Form

Delegation of Authority

I, _____ (name), hereby designate the person or specifically described position below to be a duly authorized representative for the purpose of overseeing compliance with environmental requirements, including the Construction General Permit, at the _____ construction site. The designee is authorized to sign any reports, stormwater pollution prevention plans and all other documents required by the permit.

_____ (name of person or position)
_____ (company)
_____ (address)
_____ (city, state, zip)
_____ (phone)

By signing this authorization, I confirm that I meet the requirements to make such a designation as set forth in _____ (Reference State Permit), and that the designee above meets the definition of a “duly authorized representative” as set forth in _____ (Reference State Permit).

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: _____

Company: _____

Title: _____

Signature: _____

Date: _____

Appendix M – BMP Specifications