

Appendix A: SWPPP Template – Utah

Instructions

To help you develop the narrative section of your construction site SWPPP, the DWQ has modified the U.S Environmental Protection Agency (EPA) electronic SWPPP template to fit the needs of NOI applicants in Utah. The template is designed to help guide you through the SWPPP development process and help ensure that your SWPPP addresses all the necessary elements stated in your construction general permit. It may be helpful to use this template with EPA’s guidance on *Developing Your Stormwater Pollution Prevention Plan*. Both are available on EPA’s website at www.epa.gov/npdes/swpppguide

This template covers most of the SWPPP elements that the Utah construction general permit requires, however, you are strongly encouraged to customize this template. There are two major reasons to customize this template:

- **To reflect the terms and conditions of the State construction general permit; and**
- **To reflect the conditions at your site**

Using the SWPPP Template

Each section of this template includes “instructions” and space for project information. You should read the instructions for each section before you complete that section. This template was developed in Word so that you can easily add tables and additional text. Some sections may require only a brief description while others may require several pages of explanation.

Tips for completing the SWPPP template

- If there is more than one construction operator for your project, consider coordinating development of your SWPPP with the other operators.
- Multiple operators may share the same SWPPP, but make sure that responsibilities are clearly described.
- Modify this SWPPP template so that it addresses the requirements in your construction general permit and meets the needs of your project. Consider adding permit citations in the SWPPP when you address a specific permit requirement.

Stormwater Pollution Prevention Plan

For:

The Retreat Subdivision Phase 2 & 3
5291 East Elkhorn Drive
Eden UT 84310

Operator(s):

Randy Marriott Construction
Robert Defries
5238 West 2150 North
Ogden UT 84404
801.731.7252 (Office)
801.430.2255 (Mobile)
801.731.1008 (Fax)
kamimarriott@msn.com

SWPPP Contact(s):

Randy Marriott Construction
Robert Defries
801.430.2255 (Mobile)

SWPPP Prepared By:

Mulholland Development Solutions, Inc.
November 2013

Estimated Project Dates:

Project Start Date: November 2013
Project Completion Date: November.2014

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SECTION 1: SITE EVALUATION, ASSESSMENT, AND PLANNING CERTIFICATION, AND SIGNATURE

1.1 Project/Site Information

Project/Site Name: The Retreat, Cluster Subdivision Phases 2 & 3

Project Street/Location: 5291 East Elkhorn Drive

City: Eden

State: UT

ZIP Code: 84310

County: Weber County

Latitude:

41.331083 °

Longitude:

111.818266 °

Method for determining latitude/longitude:

USGS topographic map (specify scale: _____)

EPA Web site GPS

Other (please specify): Google Earth

Is the project located in Indian country? Yes No

If yes, name of Reservation, or if not part of a Reservation, indicate "not applicable."

Is this project considered a federal facility? Yes No

UPDES project or permit tracking number*: _____

**(This is the unique identifying number assigned to your project by your permitting authority after you have applied for coverage under the appropriate National Pollutant Discharge Elimination System (UPDES) construction general permit.)*

1.2 Contact Information/Responsible Parties

Operator(s):

Randy Marriott Construction

Robert Defries

5238 West 2150 North

Ogden UT 84404

801.731.7252 (Office)
801.430.2255 (Mobile)
801.731.1008 (Fax)
kamimarriott@msn.com

Project Manager(s) or Site Supervisor(s):

Randy Marriott Construction
Robert Defries
5238 West 2150 North
Ogden UT 84404
801.731.7252 (Office)
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SWPPP Contact(s):

Randy Marriott Construction
Robert Defries
5238 West 2150 North
Ogden UT 84404
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Subcontractor(s):

None

Emergency 24-Hour Contact:

Randy Marriott Construction
Robert Defries
801.430.2255 (Mobile)

1.3 Nature and Sequence of Construction Activity

Describe the general scope of the work for the project, major phases of construction, etc:

Phase one of the The Retreat Cluster Subdivision will consist of 18 homesites. Construction activities on the site will consist of removing vegetation, grading, installing utilities and paving. This first phase will disturb approximately 5.3 acres out of a total of 13.66.

What is the function of the construction activity?

Residential Commercial Industrial Road Construction Linear Utility
 Other (please specify):

Estimated Project Start Date: November 2013

Estimated Project Completion Date: November 2014

1.4 Soils, Slopes, Vegetation, and Current Drainage Patterns

Soil type(s): Based upon the seven test pits excavated for this study, the site is generally free of topsoil. Soils at the site consist of dense to very dense clayey gravel with sand (GC), very dense clayey gravel with sand and cobbles (GC), very dense silty gravel with sand (GM), stiff to hard elastic silt (MH) and soft elastic silt with sand (MH). Groundwater was not encountered in the test pits at the time of our investigation. This information was gathered from a geotechnical report by Earthtec Engineering.

Slopes (describe current slopes and note any changes due to grading or fill activities): Slopes on the project range from 0% to 40%. Nearly all the slopes on the project area are 10% or less.

Drainage Patterns (describe current drainage patterns and note any changes due to grading or fill activities): Drainage swells that run seasonally on both the west and east sides of the subdivision will not be affected. BMPs will be in place as needed. Please refer to the Erosion Control Plan.

Vegetation: Consists of sagebrush and rocks. Except where the road and utilities are being installed, native vegetation will not be disturbed.

Other:

1.5 Construction Site Estimates

The following are estimates of the construction site.

Total project area:	22.13 acres
Construction site area to be disturbed:	5.83 acres
Percentage impervious area before construction:	0%
Runoff coefficient before construction:	63
Percentage impervious area after construction:	21.6%
Runoff coefficient after construction	71

1.6 Receiving Waters

Description of receiving waters:

Pineview Reservoir (2.65 miles from project site)

Description of storm sewer systems:

Storm water conveyance system will be installed per Weber County design standards.

Description of impaired waters or waters subject to TMDLs:

Dissolved Oxygen (DO), Total Phosphorus (TP), temperature.

Other:

1.7 Site Features and Sensitive Areas to be Protected

Description of unique features that are to be preserved:

There is a intermittent stream on the western boundary of the project. No wetlands are located within the project area.

Describe measures to protect these features:

The stream will be protected by native vegetation and silt fence where appropriate.

1.8 Potential Sources of Pollution

Potential sources of sediment to stormwater runoff:

Construction activities such as removing existing vegetation, clearing and grubbing, grading, utility installation and paving could lead to the displacement of sediment.

Potential pollutants and sources, other than sediment, to stormwater runoff:

Heavy equipment fluids and concrete washouts.

1.9 Endangered Species Certification

Are endangered or threatened species and critical habitats on or near the project area?

Yes No

Describe how this determination was made:

US Fish & Wildlife Service species report by county

http://ecos.fws.gov/tess_public/countySearch!speciesByCountyReport.action?fips=49057

If yes, describe the species and/or critical habitat:

June Sucker (*Chasmistes Liorus*)

Canada Lynx (*Lynx Canadensis*)

If yes, describe or refer to documentation that determines the likelihood of an impact on identified species and/or habitat and the steps taken to address that impact. (Note, if species are on or near your project site, EPA strongly recommends that the site operator work closely with the appropriate field office of the U.S. Fish and Wildlife Service or National Marine Fisheries Service. For concerns related to state or tribal listing of species, please contact a state or tribal official.)

This project is not likely to adversely affect the species listed above. Sediment and erosion control BMPs will be installed and maintained to help avoid adverse impacts.

Utah Department of Natural Resources
801.538.4700

1.10 Historic Preservation

Are there any historic sites on or near the construction site?

Yes No

Describe how this determination was made:

The Utah State History and National Register of Historic Places websites.

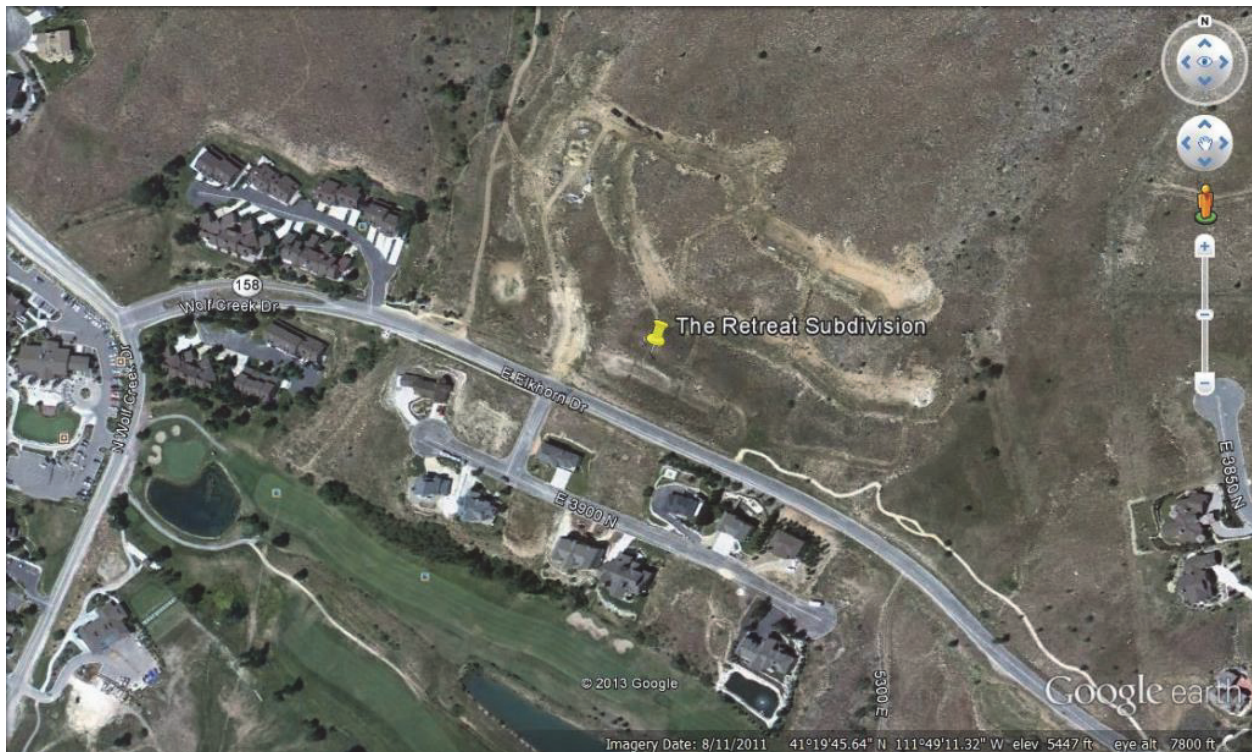
If yes, describe or refer to documentation that determines the likelihood of an impact on this historic site and the steps taken to address that impact.

1.11 Applicable Federal, Tribal, State or Local Programs

The required Utah Division of Water Quality Notice of Intent Permit and the Weber County Stormwater Construction Activity Permits has been obtained.

1.12 Maps

Include the site maps with the SWPPP. See Appendices A and B for additional information.



SECTION 2: EROSION AND SEDIMENT CONTROL BMPS

2.1 *Minimize Disturbed Area and Protect Natural Features and Soil*

Only the areas that will be developed with roads and utilities will be disturbed. The idea is to leave as much native area as possible. Construction staking will be in place to help protect these areas. As mentioned in 1.7, the intermittent stream on the west side of the project will be protected with the natural native buffer. Storm water will be diverted into the future detention ponds, but these ponds will work as sediment ponds until all construction activities are completed. Maintenance on these ponds will occur as needed.

2.2 *Phase Construction Activity*

- Phase I
 - The sequence of major activities include the removal of existing vegetation, grubbing and grading in the roadway and utility areas, installation of utilities and the paving of roads.
 - This phase of the project will begin November, 2013 and be completed by November, 2014.
 - As indicated on the Erosion Control and Grading Plan (Appendix B), the BMPs for this project include inlet protection, stabilized construction entrance, silt fence, rip rap culvert protection and pond outlet structures.
 - Reseeding will occur on the disturbed areas.

2.3 *Control Stormwater Flowing onto and through the Project*

BMP Description: Diversions will be used to redirect offsite flows away from the disturbed areas if needed.

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

BMP Description:

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

2.4 Stabilize Soils

BMP Description: Native vegetation outside the construction area will not be disturbed

Permanent

Temporary

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	Marriott Construction

BMP Description: Reseeding will occur on disturbed areas when construction activities are completed

Permanent

Temporary

Installation Schedule:	When construction activities are completed.
Maintenance and Inspection:	
Responsible Staff:	Marriott Construction

2.5 Protect Slopes

BMP Description:

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

BMP Description:

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

2.6 Protect Storm Drain Inlets

BMP Description: Gravel sock inlet protection

Installation Schedule:	Before Construction Starts
Maintenance and Inspection:	At least once every two weeks and after a storm event which precipitated 0.5 inches of water or more within 24 hour period.
Responsible Staff:	Marriott Construction

BMP Description:

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

2.7 Establish Perimeter Controls and Sediment Barriers

BMP Description: Silt fence will be used for perimeter control

Installation Schedule:	Before Construction Starts
Maintenance and Inspection:	At least once every two weeks and after a storm event which precipitated 0.5 inches of water or more within 24 hour period.
Responsible Staff:	Marriott Construction

BMP Description:

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

2.8 Retain Sediment On-Site

BMP Description: Sediment ponds

Installation Schedule:	Installed
Maintenance and Inspection:	At least once every two weeks and after a storm event which precipitated 0.5 inches of water or more within 24 hour period.
Responsible Staff:	Marriott Construction

BMP Description:

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

2.9 Establish Stabilized Construction Exits

<i>BMP Description:</i> Stabilized construction entrance	
<i>Installation Schedule:</i>	Prior to start of construction
<i>Maintenance and Inspection:</i>	At least once every two weeks and after a storm event which precipitated 0.5 inches of water or more within 24 hour period.
<i>Responsible Staff:</i>	Marriott Construction

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

2.10 Additional BMPs

<i>BMP Description:</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>	

SECTION 3: GOOD HOUSEKEEPING BMPS

3.1 Material Handling and Waste Management

BMP Description: Temporary trash dumpster will be on location	
Installation Schedule:	Prior to start of construction
Maintenance and Inspection:	
Responsible Staff:	Marriott Construction

BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

3.2 Establish Proper Building Material Staging Areas

BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

3.3 Designate Washout Areas

BMP Description: Temporary concrete washout will be on site	
Installation Schedule:	Prior to concrete work
Maintenance and Inspection:	
Responsible Staff:	Marriott Construction

BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

3.4 Establish Proper Equipment/Vehicle Fueling and Maintenance Practices

BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

3.5 Control Equipment/Vehicle Washing

BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

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

3.6 Spill Prevention and Control Plan

The contractor will be responsible for preventing soil contaminating from heavy equipment fluids and hazardous spills.

3.7 Any Additional BMPs

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

3.8 Allowable Non-Stormwater Discharge Management

<i>BMP Description:</i> Water truck will be on location for dust control	
<i>Installation Schedule:</i>	Prior to start of construction
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	Marriott Construction

<i>BMP Description:</i> Dewatering is not expected to be needed, but if it is required, a permit will be obtained from the state of Utah	
<i>Installation Schedule:</i>	
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	

SECTION 4: SELECTING POST-CONSTRUCTION BMPs

<i>BMP Description:</i> Native vegetation outside the construction area will not be disturbed	
<i>Installation Schedule:</i>	
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	
<i>BMP Description:</i> Reseeding will occur on disturbed areas when construction activities are completed	
<i>Installation Schedule:</i>	
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	

SECTION 5: INSPECTIONS

5.1 Inspections

1. Inspection Personnel:

Randy Marriott Construction
Robert Defries
801.430.2255 (Mobile)

2. Inspection Schedule and Procedures:

Per the requirements of the Utah Storm Water General Permit for Construction Activities (UTR300000, Section 3.5.4), inspection will be conducted at least once every 14 days and within 24 hours of the end of a storm event of 0.5 inches or greater. The contractor will provide the inspection form or use the form in Appendix E.

5.2 Delegation of Authority

Duly Authorized Representative(s) or Position(s):

Attach a copy of the signed delegation of authority form in Appendix K.

5.3 Corrective Action Log

Corrective Action Log:

See Appendix F.

SECTION 6: RECORDKEEPING AND TRAINING

6.1 Recordkeeping

NOTE: Records will be retained for a minimum period of at least 3 years after the permit is terminated.

Date(s) when major grading activities occur:

TBD by Marriott Construction

Date(s) when construction activities temporarily or permanently cease on a portion of the site:

TBD by Marriott Construction

Date(s) when an area is either temporarily or permanently stabilized:

TBD by Marriott Construction

6.2 Log of Changes to the SWPPP

Log of changes and updates to the SWPPP

See Appendix G.

6.3 Training

Individual(s) Responsible for Training:

Marriott Construction – Robert Defries (801.430.2255)

The form for tracking training activities is located in Appendix J

Describe Training Conducted:

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

SECTION 7: FINAL STABILIZATION

BMP Description: Reseeding will occur on disturbed areas when construction activities are completed

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

BMP Description: Complete landscaping at entry monuments, the installation of roads and storm water systems and eventually the construction of homes and private landscaping

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

SECTION 8: CERTIFICATION AND NOTIFICATION

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: _____

SWPPP APPENDICES

Attach the following documentation to the SWPPP:

Appendix A – General Location Map

Appendix B – Site Maps

Appendix C – Construction General Permit

Appendix D – NOI and Acknowledgement Letter from EPA/State/MS4

Appendix E – Inspection Reports

Appendix F – Corrective Action Log (or in Part 5.3)

Appendix G – SWPPP Amendment Log (or in Part 6.2)

Appendix H – Subcontractor Certifications/Agreements

Appendix I – Grading and Stabilization Activities Log (or in Part 6.1)

Appendix J – Training Log

Appendix K – Delegation of Authority

Appendix L – Additional Information (i.e., Endangered Species and Historic Preservation Documentation; other permits such as dewatering, stream alteration, wetland; and out of date swppp documents)

Appendix M – BMP Specifications

Appendix H – Subcontractor Certifications/Agreements

SUBCONTRACTOR CERTIFICATION STORMWATER POLLUTION PREVENTION PLAN

Project Number: _____

Project Title: _____

Operator(s): _____

As a subcontractor, you are required to comply with the Stormwater Pollution Prevention Plan (SWPPP) for any work that you perform on-site. Any person or group who violates any condition of the SWPPP may be subject to substantial penalties or loss of contract. You are encouraged to advise each of your employees working on this project of the requirements of the SWPPP. A copy of the SWPPP is available for your review at the office trailer.

Each subcontractor engaged in activities at the construction site that could impact stormwater must be identified and sign the following certification statement:

I certify under the penalty of law that I have read and understand the terms and conditions of the SWPPP for the above designated project and agree to follow the BMPs and practices described in the SWPPP.

This certification is hereby signed in reference to the above named project:

Company: _____

Address: _____

Telephone Number: _____

Type of construction service to be provided: _____

Signature: _____

Title: _____

Date: _____

Appendix J – SWPPP Training Log

Stormwater Pollution Prevention Training Log

Project Name: _____

Project Location: _____

Instructor's Name(s): _____

Instructor's Title(s): _____

Course Location: _____ Date: _____

Course Length (hours): _____

Stormwater Training Topic: *(check as appropriate)*

- Erosion Control BMPs Emergency Procedures
 Sediment Control BMPs Good Housekeeping BMPs
 Non-Stormwater BMPs

Specific Training Objective: _____

Attendee Roster: *(attach additional pages as necessary)*

No.	Name of Attendee	Company
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Appendix K – 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: _____