

## Common Plan SWPPP for Huggins Residence

2180 S West Ridge Rd  
Huntsville Utah 84317

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Leigh and Ruth Huggins  
6585 E Via Cortina  
Huntsville Utah 84317

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Jed Slama Construction Corp  
1245 S 9400 E  
Huntsville Utah 84317

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Date

7/16/2019



### 1. Project Information

Project Name: Huggins Residence

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**Address:** 2180 S West Ridge Rd  
**City:** Huntsville **State:** UT **Zip:** 84317  
**Latitude** 41' 13'34.39" N  
**Longitude:** 111' 44'13.48" W  
**UPDES Permit Tracking Number:** UTRH94805

**Owner:** Leigh and Ruth Huggins  
**Contact Person:** Jed Slama  
**Address:** 1245 S 9400 E  
**City:** Huntsville **State:** Utah **Zip:** 84317  
**Telephone Number:** 801-430-6622  
**Email Address:** jed@jsc-builders.com

**General Contractor:** Jed Slama Construction Corp  
**Contact Person:** Jed Slama  
**Address:** 1245 s 9400 E  
**City:** Huntsville **State:** Utah **Zip:** 84317  
**Telephone Number:** 801-430-6622  
**Email Address:** jed@jsc-builders.com

## 1.5

### **Unknown Features (although this may be a law under another program, it's not a permit requirement). Discovery of Historical, Archaeological or Paleontological Objects, Features, Sites, or Human Remains**

- A. Immediately suspend construction operations in the vicinity(100 foot minimum buffer) of the discovery.
- B. Verbally notify the Public Works Department and provide them the exact location.
- C. Protect the discovery and provide written confirmation of the discovery to the City and State Historic Departments within two calendar days.
- D. Contractor and City follow State mitigation laws.

## 2. Best Management Practices

### **2.1 SWPPP Sign**(see permit part 1.10, 4.2.11)

Description of construction board is filed in Appendix L  
Attached to company sign.

### **2.2 Sensitive Features Control** (see permit part 2.2) N/A

#### **2.2.x Wetlands**

BMP description, rational for use and specifications, and details are filed in Appendix L  
There are no wetlands on this property.

#### **2.2.x Water Bodies within or 30' from Disturbance Boundary**(see permit part 2.3.5)

##### **Water Body**

BMP description, rational for use and specifications, and details are filed in Appendix L

**2.3 Sediment Control** (see permit part 2.1.2, 2.1.3 & 2.3)

Silt Screen:

The natural vegetation around the property will screen on remaining sides of the property as the lot is large.

**2.3.x Trap/Filter Sediment at Property Boundary**(see permit part 2.1.2)

BMP description, rational for use and specifications, and details are filed in Appendix L.  
Natural vegetation.

**2.4.x Inlet Protection**(see permit part 2.1.3 & 2.3)

N/A

BMP description, rational for use and specifications, and details are filed in Appendix L.

**2.4.x Steep Slopes** (see permit part 2.3.2)

N/A. Flat Lot.

BMP description, rational for use and specifications, and details are filed in Appendix L.

**2.4.x Street Maintenance**(see permit part 3.2.2)

Street Cleanup

BMP description, rational for use and specifications, and details are filed in Appendix L.  
Manual Sweeping of road will be used to clean off dirt.

**2.4 Top Soil Preservation**(see permit part 2.5)

N/A

BMP description, rational for use and specifications, and details are filed in Appendix L.

**2.5 Dust Control**(see permit part)

**2.5.x**

N/A.

BMP description, rational for use and specifications, and details are filed in Appendix L

**2.6 Egress Control**(see permit part 2.4)

**2.6.x Track Out**(see permit part 2.4.1)

Gravel Track Out

BMP description, rational for use and specifications, and details are filed in Appendix L.  
Gravel will be placed at driveway entrance for track out. Cars will be limited to parking on paved road or gravel track out area.

**2.7 Waste Management Control**(see permit part 4.2.6)

Trash Dumpster will remain on site during construction.

**2.7.x Solid Waste**(see permit part 2.4.3)

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### **Trash**

BMP description, rational for use and specifications, and details are filed in Appendix L  
Trash dumpster will remain on site during construction for solid waste and trash.

### **2.7.x Construction Spoil**(see permit part 2.1.1)

#### Spoil

BMP description, rational for use and specifications, and details are filed in Appendix L  
Spoil will remain behind perimeter controls and natural vegetation.

### **2.7.x Sanitary Waste**(see permit part 2.4.4)

#### Porta Potty

BMP description, rational for use and specifications, and details are filed in Appendix L  
There will be a porta potty on site during construction.

### **2.7.x Cement Product Operations**(see permit part 2.4.5, 2.9.2)

#### Concrete washout:

BMP description, rational for use and specifications, and details are filed in Appendix L  
All concrete washout will be done inside lot in a made depression to contain run off.

### **2.7.x Concrete Cutting Operations**(see permit part 2.9.2)

#### N/A

BMP description, rational for use and specifications, and details are filed in Appendix L.  
No concrete cutting will be needed.

### **2.7.x Non Aqueous Waste**(see permit part 2.8.2)

#### Paint cleanup:

BMP description, rational for use and specifications, and details are filed in Appendix L.  
Pain cleanup will happen inside 5 gallon buckets and disposed of in the dumper.

### **2.7.x Construction Wastewater**(see permit part 2.7, 2.9, 2.9.4)

#### N/A

BMP description, rational for use and specifications, and details are filed in Appendix L  
There will be no construction wastewater from this site.

## ***2.8 Management of Construction Materials Control***

### ***2.8.x Storage of Construction Materials***(see permit part 2.8.2)

#### Storage

BMP description, rational for use and specifications, and details are filed in Appendix L  
Storage of materials will be done on the track out pad or garage.

### ***2.8.x Construction Staging(backfill)***(see permit part 2.1.1)

N/A.

BMP description, rational for use and specifications, and details are filed in Appendix L  
There will be no staging of materials.

**2.8.x Construction Staging(Landscaping)(see permit part 2.1.1)**

N/A

BMP description, rational for use and specifications, and details are filed in Appendix L  
There will be no landscaping done under this Swppp

**2.9 Final Stabilization(see permit part 2.6)**

**2.9.x Landscaping Plan**

N/A

**2.9.x Temporary Containment of Sediment**

Sediment will be controlled via natural vegetation. Silt fence to be used where needed.

### 3. Spill Prevention and Response Plan (see permit part 2.8.3, 2.9.3)

Any spills on site will be notified to the operator at once. Spills will be cleaned up by buckets or equipment and disposed of in sealed containers in the dumpster.

*Description of Spill control Plan, details and policy are filed in Appendix L.*

**Any discharges in 24 hours equal to or in excess of the reportable quantities listed in 40 CFR 117, 40 CFR 110, and 40 CFR 302 will be reported to the National Response Center and the Division of Water Quality (DWQ) as soon as practical after knowledge of the spill is known to the permittee.** The permittee shall submit within 14 calendar days of knowledge of the release a written description of: the release (including the type and estimate of the amount of material released), the date that such release occurred, the circumstances leading to the release, and measures taken and/or planned to be taken to the Division of Water Quality (DWQ), 288 North 1460 West, P.O. Box 144870, Salt Lake City, Utah 84114-4870. The Storm Water Pollution Prevention Plan must be modified within 14 calendar days of knowledge of the release to provide a description of the release, the circumstances leading to the release, and the date of the release. In addition, the plan must be reviewed to identify measures to prevent the reoccurrence of such releases and to respond to such releases, and the plan must be modified where appropriate.

Agency	Phone Number
National Response Center	(800) 424-8802
Division of Water Quality ( DWQ) 24-Hr Reporting	(801) 538-6146; (801) 536-4123
Utah Department of Health Emergency Response	(801) 580-6681
UFA	911

Minimum spill quantities requiring reporting:

Material	Media Released To	Reportable Quantity
Engine oil, fuel, hydraulic & brake fluid	Land	25 gallons
Paints, solvents, thinners	Land	100 lbs (13 gallons)
Engine oil, fuel, hydraulic & brake fluid	Water	Visible Sheen
Refrigerant	Air	1 lb
Antifreeze, battery acid, gasoline, engine degreasers	Air, Land, Water	100 lbs (13 gallons)

Emphasis to:

- 1<sup>st</sup> Priority: Protect all people (including onsite staff)
- 2<sup>nd</sup> Priority: Protect equipment and property
- 3<sup>rd</sup> Priority: Protect the environment

1. Make sure the spill area is safe to enter and that it does not pose an immediate threat to health or safety of any person.

2. Check for hazards (flammable material, noxious fumes, cause of spill) – if flammable liquid, turn off engines and nearby electrical equipment. If serious hazards are present leave area and call 911. LARGE SPILLS ARE LIKELY TO PRESENT A HAZARD.
3. Stop the spill source and contain flowing spills immediately with spill kits, dirt or other material that will achieve containment.
4. Call co-workers and supervisor for assistance and to make them aware of the spill and potential dangers
5. If spilled material has entered a storm sewer, regardless of containment; contact the Municipal Storm Water Division.
6. Cleanup all spills (flowing or non-flowing) immediately following containment. Clean up spilled material according to manufacturer specifications, for liquid spills use absorbent materials AND DO NOT FLUSH AREA WITH WATER.
7. Properly dispose of cleaning materials and used absorbent material according to manufacturer specifications.
8. Report the reportable quantity to the Municipal Storm Water Division.

**Emergency Numbers**

Utah Hazmat Response Officer 24 hrs	(801)-538-3745
<del>City Police Department</del>	801-778-6600
Weber Sheriff	<del>801</del>
Weber Engineering	801-399-8374

#### **4. Site Map(s)** (see permit part 4.2.3)

The SWPPP site maps are filed in Appendix B

### **5. Record Keeping**

See the appendices in Appendix A-K.

#### **SWPPP Inspections-Maintenance-Correction Report** (permit part 3.2.1, 3.2.2, 3.3, 3.4, 4.2.12)

Inspections are required every 7 calendar days

Repair or replace BMPs prior to need or by end of week whichever comes first. Update the Inspection-Maintenance-Correction Report weekly.

Section 3.2.2 requires daily maintenance of pavements and site grounds.

See the Inspection-Maintenance-Correction Reports in Appendix E

#### **Changes to the SWPPP**(see permit part 4.2.12, 4.2.13)

See the Amendment Log in Appendix F.

#### **Training**(see permit part 4.2.7)

Training Logs and Documents are filed in Appendix H.



## 6. Discharge Information

Receiving Waters (look up <http://wq.deq.utah.gov> to identify your receiving water body)

1. Pineview Reservoir

## 7. Certification, Notification and Delegation<sup>(see permit part 4.2.9)</sup>

**Owner Certification:** See documents filed in Appendix G.

**Operator Certification:** See documents filed in Appendix G

**Delegation of Authority:** There is no delegation of authority

**Subcontractor Certification:**

**Notice of Permit Transfer Requirements**



# Appendix A

Huggins Residence 2180 S West Ridge Rd Huntsville Utah



NA



Home location-



Appendix D



Jed Slama <jed@jsc-builders.com>

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## Online Storm Water Permit

2 messages

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**stormwateronline@utah.gov** <stormwateronline@utah.gov>  
To: jed@jsc-builders.com

Tue, Jul 16, 2019 at 7:39 AM

Congratulations, you have successfully applied for coverage under the Utah Pollutant Discharge Elimination System Storm Water Common Plan Permit for Construction Activities. Your permit coverage number is UTRH94805, issued effective Jul 16, 2019 and expiring Jul 16, 2020.

Thank you.

Sincerely,

Division of Water Quality  
Department of Environmental Quality

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**Jed Slama** <jed@jsc-builders.com>  
To: "Felix, Braden" <bfelix@co.weber.ut.us>

Tue, Jul 16, 2019 at 7:49 AM

Braden please see the NOI for the Huggins residence located at 2180 S west ridge rd Huntsville. I will be sending you the Storm water app shortly. Then later the swppp plan.

Thanks

Jed

[Quoted text hidden]

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Jed Slama  
JSC Custom Homes and Remodeling  
Huntsville Utah 84317  
Cell: 801-430-6622  
Fax/office:801-745-2512

# Appendix E

Appendix F

# Appendix F – Sample Corrective Action Log

Project Name: Higgins Res.  
SWPPP Contact: Ted SWMA

Inspection Date	Inspector Name(s)	Description of BMP Deficiency	Corrective Action Needed (including planned date/responsible person)	Date Action Taken/Responsible person

## Stormwater BMP Inspection and Maintenance Log

Facility Name

Address

Begin Date

End Date

Date	BMP ID#	BMP Description	Inspected by:	Cause for Inspection	Exceptions Noted	Comments and Actions Taken

**Instructions:** Record all inspections and maintenance for all treatment BMPs on this form. Use additional log sheets and/or attach extended comments or documentation as necessary. Submit a copy of the completed log with the annual independent inspectors' report to the municipality, and start a new log at that time.

- BMP ID# — Always use ID# from the Operation and Maintenance Manual.
- Inspected by — Note all inspections and maintenance on this form, including the required independent annual inspection.
- Cause for inspection — Note if the inspection is routine, pre-rainy-season, post-storm, annual, or in response to a noted problem or complaint.
- Exceptions noted — Note any condition that requires correction or indicates a need for maintenance.
- Comments and actions taken — Describe any maintenance done and need for follow-up.

# Stormwater BMP Inspection and Maintenance Log

Facility Name	
Address	
Begin Date	End Date

Date	BMP ID#	BMP Description	Inspected by:	Cause for Inspection	Exceptions Noted	Comments and Actions Taken

**Instructions:** Record all inspections and maintenance for all treatment BMPs on this form. Use additional log sheets and/or attach extended comments or documentation as necessary. Submit a copy of the completed log with the annual independent inspectors' report to the municipality, and start a new log at that time.

- BMP ID# — Always use ID# from the Operation and Maintenance Manual.
- Inspected by — Note all inspections and maintenance on this form, including the required independent annual inspection.
- Cause for inspection — Note if the inspection is routine, pre-rainy-season, post-storm, annual, or in response to a noted problem or complaint.
- Exceptions noted — Note any condition that requires correction or indicates a need for maintenance.
- Comments and actions taken — Describe any maintenance done and need for follow-up.



**Stormwater BMP Inspection and Maintenance Log**

Facility Name
Address
Begin Date <span style="float: right;">End Date</span>

Date	BMP ID#	BMP Description	Inspected by:	Cause for Inspection	Exceptions Noted	Comments and Actions Taken

**Instructions:** Record all inspections and maintenance for all treatment BMPs on this form. Use additional log sheets and/or attach extended comments or documentation as necessary. Submit a copy of the completed log with the annual independent inspectors' report to the municipality, and start a new log at that time.

- BMP ID# — Always use ID# from the Operation and Maintenance Manual.
- Inspected by — Note all inspections and maintenance on this form, including the required independent annual inspection.
- Cause for inspection — Note if the inspection is routine, pre-rainy-season, post-storm, annual, or in response to a noted problem or complaint.
- Exceptions noted — Note any condition that requires correction or indicates a need for maintenance.
- Comments and actions taken — Describe any maintenance done and need for follow-up.

## Stormwater BMP Inspection and Maintenance Log

Facility Name	
Address	
Begin Date	End Date

Date	BMP ID#	BMP Description	Inspected by:	Cause for Inspection	Exceptions Noted	Comments and Actions Taken

- Instructions:** Record all inspections and maintenance for all treatment BMPs on this form. Use additional log sheets and/or attach extended comments or documentation as necessary. Submit a copy of the completed log with the annual independent inspectors' report to the municipality, and start a new log at that time.
- BMP ID# — Always use ID# from the Operation and Maintenance Manual.
  - Inspected by — Note all inspections and maintenance on this form, including the required independent annual inspection.
  - Cause for inspection — Note if the inspection is routine, pre-rainy-season, post-storm, annual, or in response to a noted problem or complaint.
  - Exceptions noted — Note any condition that requires correction or indicates a need for maintenance.
  - Comments and actions taken — Describe any maintenance done and need for follow-up.

### High Priority Facilities Weekly Inspection Report Form

Facility Name	Inspection Date	Inspector Name	Deficiency Identified	Corrective Actions Taken

### Weekly High Priority Inspection Log

City Name: \_\_\_\_\_

Facility Name	Date:	Deficiencies found	Date:	Deficiencies found	Date:	Deficiencies found	Date:	Deficiencies found	Date:	Deficiencies found	Date:	Deficiencies found	Date:	Deficiencies found	Date:	Deficiencies found	Date:	Deficiencies found	Date:	Deficiencies found	Date:	Deficiencies found	

Note: 1) Enter Y or N for deficiencies found. If "Y" type of deficiency and corrective action taken must be documented on the Inspection note log

## WEEKLY VISUAL INSPECTION SOP

### PREPARATION

- Identify "High Priority" facilities
- Map of location
- Become familiar with potential pollutants at the site

### PROCESS

- Look for evidence of spills at the site
- If a spill is found assess the general area to identify its source
- Whenever possible take photographs of the suspected illicit discharge

### CLEAN-UP

- Clean up spill immediately to prevent contact with precipitation or runoff
- Initiate spill response

### DOCUMENTATION

- Fill out Weekly High Priority Inspection Log for facility and mark that the weekly inspection has been completed
- If a deficiency was found make note on the Weekly High Priority Inspection Log *and fill out the Note Log for that particular facility*





# SWPPP COMPLIANCE INSPECTION FORM



Project Name:		Address:		Date:	
Owner:		Contractor (Gen/Sub):		Start time:	
Site Contact:		Phone:		Stop time:	
UPDES Permit #:		Expiration:		Weather: Sunny Cloudy Raining Snowing Other:	
Date of last rain event:		Duration:		Approx. Rainfall (in):	
Inspected By (Print):				Local Jurisdiction or County:	
Reason for Inspection: Scheduled		Complaint/Tip		Random	
Receiving Waters:					
Inspection Code (circle): SW sampling		Inspector Code (circle): (S) State (L) Local		Type Code (circle): 1 - Municipal 2 - Industrial 3 - State	
Inspection Code (circle): SW non-sampling					

### SWPPP, EROSION, SEDIMENT AND HOUSEKEEPING BMP'S INFORMATION

	YES	NO	N/A
1. Is the SWPPP on site and accessible, or is the SWPPP location posted in an obvious place and reasonably accessible (in a short time)?			
2. Are erosion control, sediment control, and good housekeeping BMP's installed on the site as shown in the SWPPP?			
3. Has the SWPPP been updated to reflect the current site conditions (modifications dated & initialed on site map, new BMPs on site map, discontinued BMPs crossed off site map, new BMP details & spec's in SWPPP, SWPPP amendment Log, etc.)?			
4. Are on-site inspections being performed and recorded by a qualified person on a weekly or biweekly basis, reporting items required by permit? (Inspector name & qualifications, weather, problems/repairs, corrective action, new BMPs, removed BMPs, discharges, etc.)			
5. Have all corrective action items from previous inspections been addressed and documented within the time frame allotted by the inspector?			
6. Are SW flows entering and leaving the construction site controlled, managed, or diverted around the site? (e.g. perimeter controls, berms, silt fence, upgradient boundary diversion, down gradient boundary sediment control, etc.)			
7. Is there evidence of sediment discharge such as mud flows or soil deposits from the construction site in downstream locations?			
8. Is there evidence of vehicles tracking soil off the construction site?			
9. Is there soil, construction material, landscaping items, or other debris piled on impervious surfaces (roads, drives) that could be washed with SW to a storm drain or water body?			
10. Is there a need to repair, maintain, or improve erosion control BMPs (temporary stabilization, erosion blankets, mulch, vegetated strips, rip rap, surface roughening, pipe slope drain, dust control, etc)?			
11. Is there a need to repair, maintain, or improve sediment control BMPs (silt fence, check dams, fiber rolls, sediment trap/basin, inlet protection, waddles, straw bails, curb cut-back, etc)?			
12. Is there a need to repair, maintain, or improve good housekeeping controls (clean track out pad, sweeping, construction materials management, litter/trash control, port-o-potties staked down, fueling areas, concrete wash out area, proper curb ramps, spill prevention, etc)?			
13. Are there disturbed areas that have not had construction activities for 14 to 21 days without stabilization? (except snow or frozen ground)?			
14. Are there places where BMPs are needed and should be installed or not needed and should be removed?			

### COMMENTS AND CORRECTIVE ACTIONS FOR SWPPP COMPLIANCE

*Identify the problem and its location. If appropriate, describe (in general terms) what needs to be completed. However, only if qualified (e.g., you are a designer) should you be mandating specific BMPs to install. Include the date when corrections are made.*


Inspector, please list all applicable SEV codes:

*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.*

Inspector: \_\_\_\_\_ (Print Name) \_\_\_\_\_ (Title) \_\_\_\_\_ (Signature) \_\_\_\_\_ (Date)

Operator: \_\_\_\_\_ (Print Name) \_\_\_\_\_ (Title) \_\_\_\_\_ (Signature) \_\_\_\_\_ (Date)

modified 8/12/10







# UPDES STORM WATER INSPECTION EVALUATION FORM FOR SWPPP COMPLIANCE



## BACKGROUND INFORMATION

Site Name:	UPDES Permit #:
Site Address:	
Local Jurisdiction or County:	
Permit Effective Date:	Permit Expiration Date:
Total Project Area:	Total Disturbed Area:
Project Type: (circle)      Subdivision      Commercial      Industrial      Linear (Road/Pipe/Power)      Land Disturbance	

## OPERATOR CONTACT INFORMATION

	NAMES	PHONE NUMBERS	E-MAIL
Operator:			
Onsite Facility Contact:			
Important Contacts:			
Important Contacts:			

## SWPPP PRE-SITE REVIEW INFORMATION

	YES	NO
1. Has a pre-construction review of the SWPPP been conducted by the appropriate municipal agency?		
2. Are contact names and telephone numbers listed in the SWPPP?		
3. Does the SWPPP include a site map showing storm drains, slopes/surface drainage patterns, SW discharge points, construction boundaries, limits of disturbance, surface waters (name of receiving water), structural controls, and does it define/explain non-structural controls?		
4. Does the SWPPP have an estimate of the area to be disturbed, a sequence of construction activities, the SW runoff coefficient for after completion, a description of the soil types, controls for discharges from (asphalt/concrete) batch plants if any, show wetland areas, and have a description of the nature of the construction activity?		
5. Does the SWPPP and site map show erosion and sediment controls placement & details (e.g. erosion blankets, mulch, slope drains, check dams, sediment basins, grass-lined channels, fiber rolls, sediment traps, silt fence, inlet protection, curb cut-back, dust control, etc?)		
6. Does the SWPPP and site map show and describe good housekeeping controls (e.g. track out pad, street sweeping, material storage, construction waste containment and removal, sanitary waste, concrete washout pits, etc)		
7. Are post-construction elements included in the SWPPP? (i.e. grass swales, detention basins, vegetated filter strips, infiltration, depression storage, landscaping/xeriscaping, discontinuous concrete or hard surface SW conveyance, etc.)		
8. Does the SWPPP address endangered species and historic preservation?		
9. Is the SWPPP signed by a responsible corporate officer with the certification statement (see permit part 5.16.c.)?		
10. Are the NOI and a copy of the State permit in the SWPPP?		

## NOTICE OF TERMINATION (NOT) INSPECTION

Site Name:	Date of Evaluation:
Site Address:	
Inspected By:	Title/Organization:

	YES	NO	COMMENTS:
1. Has the site been properly stabilized according to permit requirements?			
2. Have all temporary BMPs been removed?			
3. Have post-construction (permanent storm water system) elements been constructed and inspected in accordance with approved project drawings?			
4. Is the site acceptably clean?			

*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.*

Inspector:			
	(Print Name)	(Title)	(Signature) (Date)

Operator:			
	(Print Name)	(Title)	(Signature) (Date)

modified 8/12/10

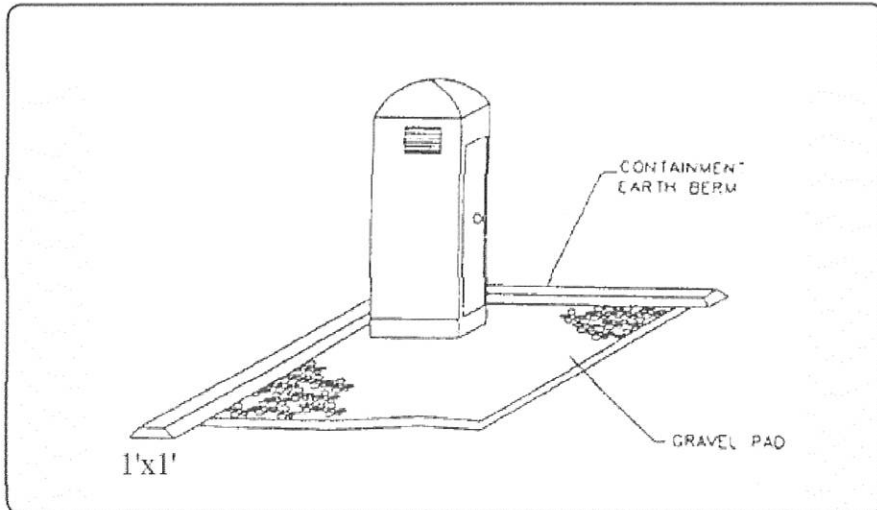
**(Attach additional sheets of narrative, pictures and checklists, as necessary)**

### 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



**DESCRIPTION:**

Temporary on-site sanitary facilities for construction personnel.

**APPLICATION:**

- ▶ All sites with no permanent sanitary facilities or where permanent facility is too far from activities.

**INSTALLATION/APPLICATION CRITERIA:**

- ▶ Locate portable toilets in convenient locations throughout the site.
- ▶ Prepare level, gravel surface and provide clear access to the toilets for servicing and for on-site personnel.
- ▶ Construct earth berm perimeter (See Earth Berm Barrier Information Sheet), control for spill/protection leak.

**LIMITATIONS:**

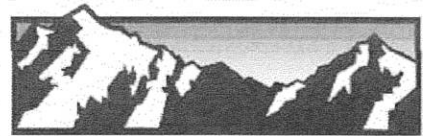
No limitations.

**MAINTENANCE:**

- ▶ Portable toilets should be maintained in good working order by licensed service with daily observation for leak detection.
- ▶ Regular waste collection should be arranged with licensed service.
- ▶ All waste should be deposited in sanitary sewer system for treatment with appropriate agency approval.

**OBJECTIVES**

- Housekeeping Practices
- Contain Waste
- Minimize Disturbed Areas
- Stabilize Disturbed Areas
- Protect Slopes/Channels
- Control Site Perimeter
- Control Internal Erosion



**WEBER COUNTY**

**ENGINEERING DEPARTMENT**

2380 Washington Blvd., Suite 240  
Ogden, UT 84401  
(801) 399-8374

**TARGETED POLLUTANTS**

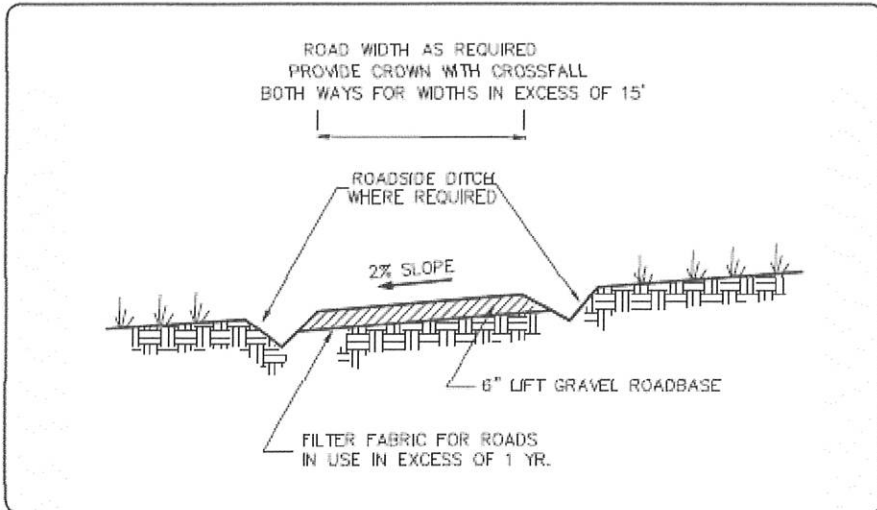
- Sediment
- Nutrients
- Toxic Materials
- Oil & Grease
- Floatable Materials
- Other Construction Waste

- High Impact
- Medium Impact
- Low or Unknown Impact

**IMPLEMENTATION REQUIREMENTS**

- Capital Costs
- O&M Costs
- Maintenance
- Training

- High
- Medium
- Low



**DESCRIPTION:**

Temporary stabilization of on-site roadway by placement of gravel roadbase.

**APPLICATION:**

- ▶ On-site roadways used daily by construction traffic (may not apply to gravelly type soils)
- ▶ Parking or staging areas susceptible to erosion due to traffic use

**INSTALLATION/APPLICATION CRITERIA:**

- ▶ Grade temporary access road with 2% cross fall, for two-way width provide crown.
- ▶ Provide roadside ditch and outlet controls where required.
- ▶ Place 6 inches of 2-inch to 4-inch crushed rock on driving area

**LIMITATIONS:**

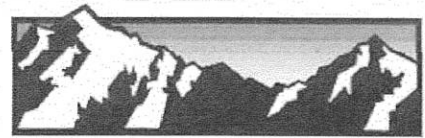
- ▶ May require removal of gravel roadbase at completion of activities if final cover is not impervious
- ▶ May require controls for surface storm water runoff

**MAINTENANCE:**

- ▶ Inspect after major rainfall events and at least monthly.
- ▶ Place additional gravel as needed and repair any damaged areas.
- ▶ Maintain any roadside drainage controls.

**OBJECTIVES**

- Housekeeping Practices
- Contain Waste
- Minimize Disturbed Areas
- Stabilize Disturbed Areas
- Protect Slopes/Channels
- Control Site Perimeter
- Control Internal Erosion



**WEBER COUNTY**

**ENGINEERING DEPARTMENT**

2380 Washington Blvd., Suite 240  
Ogden, UT 84401  
(801) 399-8374

**TARGETED POLLUTANTS**

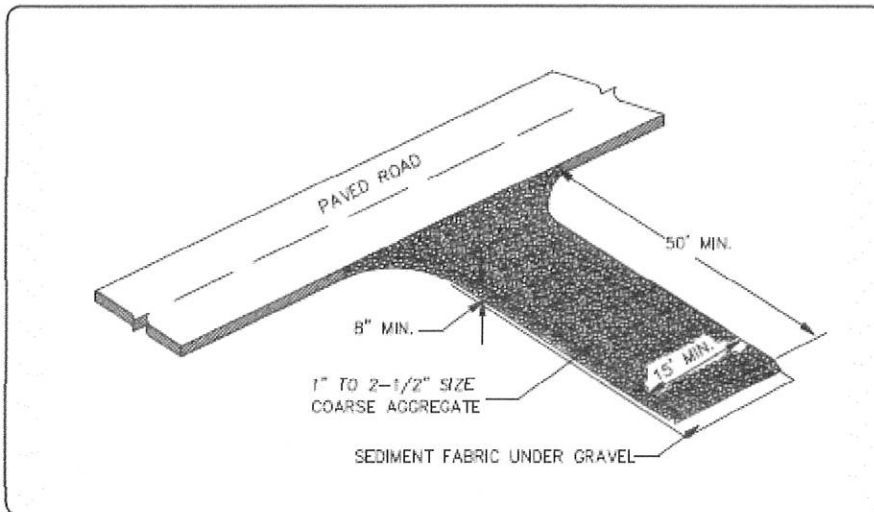
- Sediment
- Nutrients
- Toxic Materials
- Oil & Grease
- Floatable Materials
- Other Waste

- High Impact
- Medium Impact
- Low or Unknown Impact

**IMPLEMENTATION REQUIREMENTS**

- Capital Costs
- O&M Costs
- Maintenance
- Training

- High
- Medium
- Low



## DESCRIPTION:

A stabilized pad of crushed stone located where construction traffic enters or leaves the site from or to paved surface.

## APPLICATIONS:

- ▶ At any point of ingress or egress at a construction site where adjacent traveled way is paved. Generally applies to sites over 2 acres unless special conditions exist.

## INSTALLATION/APPLICATION CRITERIA:

- ▶ Clear and grub area and grade to provide maximum slope of 2%.
- ▶ Compact subgrade and place filter fabric if desired (recommended for entrances to remain for more than 3 months).
- ▶ Place coarse aggregate, 1 to 2-1/2 inches in size, to a minimum depth of 8 inches.

## LIMITATIONS:

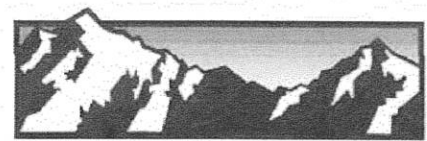
- ▶ Requires periodic top dressing with additional stones.
- ▶ Should be used in conjunction with street sweeping on adjacent public right-of-way.

## MAINTENANCE:

- ▶ Inspect daily for loss of gravel or sediment buildup.
- ▶ Inspect adjacent roadway for sediment deposit and clean by sweeping or shoveling.
- ▶ Repair entrance and replace gravel as required to maintain control in good working condition.
- ▶ Expand stabilized area as required to accommodate traffic and prevent erosion at driveways.

## OBJECTIVES

- Housekeeping Practices
- Contain Waste
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## TARGETED POLLUTANTS

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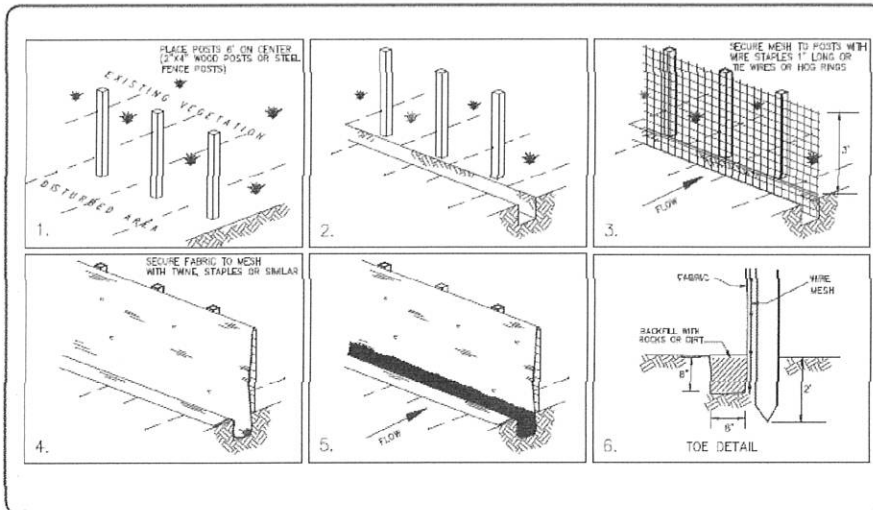
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## IMPLEMENTATION REQUIREMENTS

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### DESCRIPTION:

- ▶ A temporary sediment barrier consisting of entrenched filter fabric stretched across and secured to supporting posts.

### APPLICATION:

- ▶ Perimeter control: place barrier at downgradient limits of disturbance
- ▶ Sediment barrier: place barrier at toe of slope or soil stockpile
- ▶ Protection of existing waterways: place barrier at top of stream bank
- ▶ Inlet protection: place fence surrounding catchbasins

### INSTALLATION/APPLICATION CRITERIA:

- ▶ Place posts 6 feet apart on center along contour (or use preassembled unit) and drive 2 feet minimum into ground. Excavate an anchor trench immediately upgradient of posts.
- ▶ Secure wire mesh (14 gage min. With 6 inch openings) to upslope side of posts. Attach with heavy duty 1 inch long wire staples, tie wires or hog rings.
- ▶ Cut fabric to required width, unroll along length of barrier and drape over barrier. Secure fabric to mesh with twine, staples, or similar, with trailing edge extending into anchor trench.
- ▶ Backfill trench over filter fabric to anchor.

### LIMITATIONS:

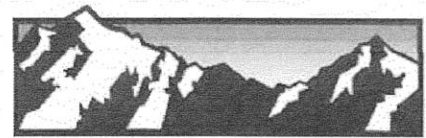
- ▶ Recommended maximum drainage area of 0.5 acre per 100 feet of fence
- ▶ Recommended maximum upgradient slope length of 150 feet
- ▶ Recommended maximum uphill grade of 2:1 (50%)
- ▶ Recommended maximum flow rate of 0.5 cfs
- ▶ Ponding should not be allowed behind fence

### MAINTENANCE:

- ▶ Inspect immediately after any rainfall and at least daily during prolonged rainfall.
- ▶ Look for runoff bypassing ends of barriers or undercutting barriers.
- ▶ Repair or replace damaged areas of the barrier and remove accumulated sediment.
- ▶ Reanchor fence as necessary to prevent shortcutting.
- ▶ Remove accumulated sediment when it reaches 1/2 the height of the fence.

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### ENGINEERING DEPARTMENT

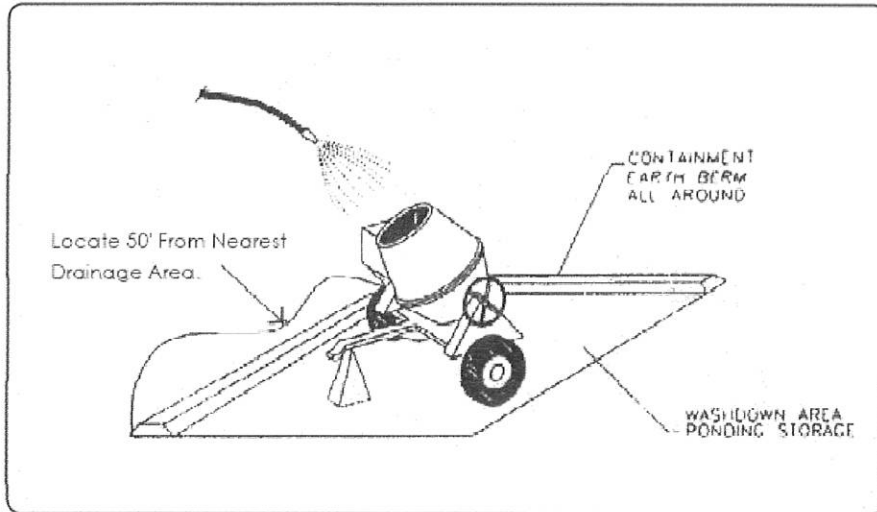
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### TARGETED POLLUTANTS

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## DESCRIPTION:

Prevent or reduce the discharge of pollutants to storm water from concrete waste by conducting washout off-site, performing on-site washout in a designated area, and training employees and subcontractors.

## APPLICATIONS:

- ▶ This technique is applicable to all types of sites.

## INSTALLATION/APPLICATION CRITERIA:

- ▶ Store dry and wet materials under cover, away from drainage areas.
- ▶ Avoid mixing excess amounts of fresh concrete or cement on-site.
- ▶ Perform washout of concrete trucks off-site or in designated areas only.
- ▶ Do not wash out concrete trucks into storm drains, open ditches, streets, or streams.
- ▶ Do not allow excess concrete to be dumped on-site, except in designated areas.
- ▶ When washing concrete to remove fine particles and expose the aggregate, avoid creating runoff by draining the water within a bermed or level area. (See Earth Berm Barrier information sheet.)
- ▶ Train employees and subcontractors in proper concrete waste management.

## LIMITATIONS:

- ▶ Off-site washout of concrete wastes may not always be possible.

## MAINTENANCE:

- ▶ Inspect subcontractors to ensure that concrete wastes are being properly managed.
- ▶ If using a temporary pit, dispose hardened concrete on a regular basis.

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