WEBER COUNTY

PUBLIC WORKS / ENGINEERING
(801) 399-8374
FAX: (801) 399-8862
Jared Andersen, P.E.
County Engineer

SWPPP Checklist

This checklist needs to be filled out prior to work commencing on any construction site disturbing 1 acre or more in size, or is part of a common plan of development. Please submit the completed checklist with the Storm Water Pollution Prevention Plan (SWPPP).

Please note that you SWPPP does not have to follow the format of this checklist. While this checklist is intended to aide you in preparing your initial SWPPP, and our review thereof, your SWPPP is a living document and it's important that it be updated to keep track of the changes in your project, best management practices (BMPs), inspections, and other required information.

Development Name: Halcyon Lake Estates

Permit Citation	Item	Location in SWPPP and Notes	County Use Only
	SITE DESCRIPTION		
3.5.1	Is there a site description? 3.5.1	2.1	
3.5.1.a	Nature/sequence of construction activity? 3.5.1 a	2.2	
3.5.1.b	Description of the intended sequence of major activities which disturb soils. 3.5.1 b	2.6	
3.5.1.c	Total area of site & total are to be disturbed?	2.3	
3.5.1.d	Pre/post runoff coefficient/soils description?	2.3	
	GENERAL LOCATION AND SITE MAP		
3.5.1.e	A general Location map and a site map?	Appendix A	
3.5.1.e.1	Drainage patterns and approximate slopes anticipated after major grading activities.	~~Appendix B~~ 2.4	
3.5.1.e.2	Construction boundaries and a description of existing vegetation prior to grading activities.	2.4	
3.5.1.e.3	Areas of soil disturbance, and areas of no disturbance.	2.6	
3.5.1.e.4	The location of major structures and nonstructural controls identified in the SWPPP.	N/A	
3.5.1.e.5	The Locations of areas used for construction support.	Appendix B	
3.5.1.e.6	The location of areas where stabilization practices are expected to occur.	Appendix B	
3.5.1.e.7	The location of surface waters (including wetlands);	Appendix B	
3.5.1.e.8	Locations where storm water is discharged or will discharge to a surface water.	Appendix B	
3.5.1.f	Description of any discharges associated with industrial activity other than construction at the site	N/A	
3.5.1.g	Name of receiving waters.	Walker Slough	
3.5.1.h	Copy of the Construction General Permit.	Appendix C	

2380 Washington Blvd., Suite 240
Ogden, Utah 84401-1473
Revised: 2012-10-09

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	CONTROLS		
3.5.2.a.1	Short and Long Term Goals Criteria	Sec. 2 ~ 6.8	
3.5.2.a.2	Stabilization Practices description	5.12 ~ 5.13	
3.5.2.a.3	Structural Practices description	N/A	
3.5.2.b	Storm Water Management, may require 404 if located in or near a stream.		
3.5.2.c	Other Controls, Waste Disposal, Off-Site Tracking, Septic waste and Sanitary Sewer Disposal, Exposure to Construction Materials, Support Areas.	Sec. 6	
3.5.2.d.1	Local Storm Water Control Requirements, e.g. Storm Water Construction Activity Permit	Sec. 3	
3.5.2.d.2	Threatened or Endangered Species compliance efforts description.	N/A	
3.5.2.d.2	Historic Properties compliance efforts description.	N/A	
3.5.3	Description of procedures to ensure timely maintenance of bmps.	Sec. 3 - 6	
3.5.4.a	Inspection Schedule, i.e. Weekly or Bi-Weekly and within 24 hours at the end of a storm > 0.5 inch or greater.	Sec. 7	
3.5.4.d	Qualified Personnel doing inspections, please list name and qualifications in swppp.	Sec. 7	
3.5.5	Non-Storm Water Discharges	4.2	
	SIGNATURES		
5.16.1.a	NOI Signed per 5.16.1.a	Appedix D	
5.16.1.b	Delegation of Authority to Authorized Representatives. The authorized representative is required in Section 5.16, or the owner needs to sign all reports, inspections, NOI, etc.	Appedix ~~A~~ K	
3.2.6 5.16.1.c	Certification statement	Section 9	

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Revised: 2012-10-09

Storm Water Pollution Prevention Plan

for:

Halcyon Lake Estates
4075 W 1800 S
Unincorporated Weber County

Operator(s):

Rock Hard Excavating, LLC
Ray Holmes
2841 W 1800 S
West Haven UT 8401
801-430-0670
rockhardexcavating@gmail.com

SWPPP Contact(s):

Rock Hard Excavating, LLC
Ray Holmes
2841 W 1800 S
West Haven UT 8401
801-430-0670
rockhardexcavating@gmail.com

SWPPP Preparation Date:

08 /21/2019

Estimated Project Dates:

Project Start Date: 08 / 23 /2019
Project Completion Date: 11 / 23 / 2019

Contents

SECTION 1: CONTACT INFORMATION/ RESPONSIBLE PARTIES

1.1 Owner(s) & Contractors

Instructions:

- List the operator(s), project managers, storm water contact(s), and person or organization that prepared the SWPPP. Indicate respective responsibilities, where appropriate.
- Also, list subcontractors expected to work on-site. Notify subcontractors of storm water requirements applicable to their work.
- See *SWPPP Guide*, Chapter 2.B.

Owner(s):

Insert Company or Organization Name: Keith Ward
Insert Name: Keith Ward
Insert Address: 1978 S. Cameron Drive
Insert City, State, Zip Code: West Haven, UT. 84401
Insert Telephone Number: 801-540-9399
Insert Fax/Email:
Repeat as necessary

Project Manager(s):

Insert Company or Organization Name: Rock Hard Excavating
Insert Name: Ray Holmes
Insert Address: 2841 W 1800 S
Insert City, State, Zip Code: West Haven, UT. 84401
Insert Telephone Number:801-430-0670
Insert Fax/Email: rockhardexcavating@gmail.com
Insert area of control (if more than one for the project):
Repeat as necessary

Site Supervisor(s):

Insert Company or Organization Name: Same
Insert Name:
Insert Address:
Insert City, State, Zip Code:
Insert Telephone Number:
Insert Fax/Email:
Insert area of control (if more than one on site) :
Repeat as necessary

SWPPP Contact(s):

Insert Company or Organization Name: Rock Hard Excavating
Insert Name: Ray Holmes
Insert Address: 2841 W 1800 S
Insert City, State, Zip Code: West Haven, UT. 84401
Insert Telephone Number: 801-430-0670
Insert Fax/Email: rockhardexcavating@gmail.com
Insert area of control (if more than one operator at site) :
Repeat as necessary

This SWPPP was Prepared by:

Insert Company or Organization Name:
Insert Name: Colt Prevedel RSI/RSR
Insert Address: 3393 S 3500 W
Insert City, State, Zip Code: West Haven, UT. 84401
Insert Telephone Number: 801-430-0017
Insert Fax/Email: coltwayne1982@gmail.com

Subcontractor(s):

Insert Company or Organization Name:
Insert Name:
Insert Address:
Insert City, State, Zip Code:
Insert Telephone Number:
Insert Fax/Email:
Repeat as necessary

Emergency 24-Hour Contact:

Insert Company or Organization Name: Rock Hard Excavating
Insert Name: Ray Holmes
Insert Telephone Number: 801-430-0670
Repeat as necessary

1.2 Storm Water Team

Instructions (see CGP Part 7.2.1):

- Identify the staff members (by name or position) that comprise the project's storm water team as well as their individual responsibilities. At a minimum the storm water team is comprised of individuals who are responsible for overseeing the development of the SWPPP, any later modifications to it, and for compliance with the requirements in this permit (i.e., installing and maintaining storm water controls, conducting site inspections, and taking corrective actions where required).
- Each member of the storm water team must have ready access to either an electronic or paper copy of applicable portions of the 2014 CGP and your SWPPP.

Insert Role or Responsibility: Site Superintendent
Insert Position:
Insert Name: Ray Holmes
Insert Telephone Number:801-430-0670
Insert Email: rockhardexcavation@gmail.com

Insert Role or Responsibility: SWPPP Development and SWPPP Inspections
Insert Position:
Insert Name: Colt Prevedel
Insert Telephone Number: 801-430-0017
Insert Email: coltwayne1982@gmail.com

Insert Role or Responsibility:
Insert Position:
Insert Name:
Insert Telephone Number:
Insert Email:

[Repeat as necessary.]

SECTION 2: SITE EVALUATION, ASSESSMENT, & PLANNING

2.1 Project/Site Information

Instructions:

- In this section, you can gather some basic site information that will be helpful to you later when you file for permit coverage.
- For more information, see *Developing Your Storm Water Pollution Prevention Plan: A SWPPP Guide for Construction Sites* (also known as the *SWPPP Guide*), Chapter 2
- Detailed information on determining your site's latitude and longitude can be found at www.epa.gov/npdes/stormwater/latlong

Project/Site Name: Halcyon Lake Estates_____

Project Street/Location: 4075 W 1800 S_____

City: Unincorporated Weber County_____ State: UT___ ZIP Code: 84401___

County or Similar Subdivision: Weber County_____

Latitude/Longitude (Use **one** of three possible formats, and specify method)

Latitude:	Longitude:
1. 41 ° 14'06.9" N (degrees, minutes, seconds)	**1. 112°04 '38.6" W (degrees, minutes, seconds)**
2. _ _ ° _ _ . _ _ ' N (degrees, minutes, decimal)	2. _ _ ° _ _ . _ _ ' W (degrees, minutes, decimal)
3. _ _ . _ _ _ _ ° N (decimal)	3. _ _ . _ _ _ _ ° W (decimal)

Method for determining latitude/longitude:

☐ USGS topographic map (specify scale: _____) ☐ EPA Web site ☐ GPS

☒ Other (please specify): Google Maps_____

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*:UTR395623_____

**(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.)*

2.2 Nature of Construction Activity

Instructions:

- Briefly describe the nature of the construction activity and approximate time frames (one or more paragraphs, depending on the nature and complexity of the project).
- For more information, see *SWPPP Guide*, Chapter 3.A.

Describe the general scope of the work for the project, major phases of construction, etc:
Excavation, installation of utilities. Grading and installation of road and curb, gutter and sidewalk.

What is the function of the construction activity?

☒ Residential ☐ Commercial ☐ Industrial ☒ Road Construction ☐ Linear X Utility

☐ Other (please specify):

Estimated Project Start Date: 08/ 23 / 2019

Estimated Project Completion Date: 11/ 23/ 2019

2.3 Construction Site Estimates

Instructions:

- Estimate the area to be disturbed by excavation, grading, or other construction activities, including dedicated off-site borrow and fill areas.
- Calculate the percentage of impervious surface area before and after construction
- Calculate the runoff coefficients before and after construction (see EPA's Developing your SWPPP Guide, Appendix C).
- For more information, see *SWPPP Guide* (https://deq.utah.gov/water-quality/general-construction-storm-water-updes-permits), Chapter 3.A and Appendix C.

The following are estimates of the construction site.

Total project area:	12.00acres
Construction site area to be disturbed:	5.00acres
Percentage impervious area before construction:	8 %
Runoff coefficient before construction:	.34
Percentage impervious area after construction:	23%
Runoff coefficient after construction	.74

2.4 Soils, Slopes, Vegetation, and Current Drainage Patterns

Instructions:

- Describe the existing soil conditions at the construction site including soil types, slopes and slope lengths, drainage patterns, and other topographic features that might affect erosion and sediment control.
- Also, note any historic site contamination evident from existing site features and known past usage of the site.
- This information should also be included on your site maps (See *SWPPP Guide*, Chapter 3.C.).
- For more information, see *SWPPP Guide*, Chapter 3.A.

Soil type(s): Sand

Slopes (describe current slopes and note any changes due to grading or fill activities):
No slopes
Drainage Patterns (describe current drainage patterns and note any changes dues to grading or fill activities): North to south.

Vegetation: Native vegetation

Other:

2.5 Emergency Related Projects

Instructions:

- See Part 1.2.1. in the UCGP. To be an emergency related project is must be considered a public emergency and the cause must be documented along with the description of necessary construction to reestablish effected public services.

Emergency-Related Project? ☐ Yes ☒ No
Response to a public emergency (see CGP Part 1.2.1); natural disaster, extreme flooding conditions, etc.
PROVIDE INFORMATION SUTSTANTIATING ITS OCCURRENCE
INSERT DESCRITPION OF CONSTRUCTION THAT WAS NECESSARY TO REESTABLISH EFFECTED PUBLIC SERVICES

2.6 Phase/Sequence of Construction Activity

Instructions:

- Describe the intended construction sequencing and timing of major activities, including any opportunities for phasing grading and stabilization activities to minimize the overall amount of disturbed soil that will be subject to potential erosion at one time. Also, describe opportunities for timing grading and stabilization so that all or a majority of the soil disturbance occurs during a time of year with less erosion potential (i.e., during the dry or less windy season). (For more information, see *SWPPP Guide*, Chapter 4, ESC Principle 2.) It might be useful to develop a separate, detailed site map for each phase of construction.
- See CGP Section 7.2.4 for detailed information.
- Also, see EPA's *Construction Sequencing BMP Fact Sheet* at https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#constr

Phase I

- Clearing and grubbing, utility installation.
- Duration of phase (start date, end date)
- Limit disturbed areas, concrete washout for pipe grouting, silt fence around surface water
- Leave as much native vegetation as possible

Phase II

- Grading, curb gutter, sidewalk, and road installation
- Duration of phase (start date, end date)
- Concrete washout, inlet protection, cut back curb
- Limit disturbed areas, leave as much native vegetation as possible

Repeat as needed

2.7 Site Features and Sensitive Areas to be Protected

Instructions:

- Describe unique site features including streams, stream buffers, wetlands, specimen trees, natural vegetation, steep slopes, or highly erodible soils that are to be preserved.
- Describe measures to protect these features.
- Include these features and areas on your site maps.
- This permit does not diminish from or alter in any way a permittees responsibility under the *Endangered Species Act (EAS)*. This permit does not have any requirements pertaining to the ESA. CGP 1.1.5.
- This permit does not diminish from or alter in any way a permittees responsibility under the *National Historic Preservation Act (NHPA)*. This permit does not have any requirements pertaining to the NHPA. CGP 1.1.6.
- For more information, see *SWPPP Guide*, Chapter 3.A and 3.B.

N/A

2.8 Maps

Instructions:

- Attach site maps. For most projects, a series of site maps is recommended. The first should show the undeveloped site and its current features. An additional map or maps should be created to show the developed site or for more complicated sites show the major phases of development.

These maps should include the following:

- Direction(s) of storm water flow and approximate slopes before and after major grading activities;
- Areas and timing of soil disturbance;
- Areas that will not be disturbed;
- Natural features to be preserved;
- Locations of major structural and non-structural BMPs identified in the SWPPP;
- Locations and timing of stabilization measures;
- Locations of off-site material, waste, borrow, or equipment storage areas;
- Locations of all waters of the United States, including wetlands;
- Locations where storm water discharges to a surface water;
- Locations of storm drain inlets; and
- Areas where final stabilization has been accomplished.
- For more information, see *SWPPP Guide*, Chapter 3.C.

The location map is filed in Appendix A

The SWPPP site map(s) are filed in Appendix B

SECTION 3: WATER QUALITY

Instructions:

- See Section 3 in CGP. Discharge must be controlled as necessary to meet applicable water quality standards.
- If at any time you, or DWQ/MS4 inspector determined that your discharge is not being controlled as necessary to meet applicable water quality standard, you must take corrective actions as required in Part 5.2. & 5.3. The corrective actions must be documented in this SWPPP as required in Part 5.4.

N/A

3.1 UIC Class 5 Injection Wells

Instructions:

- If you are using any of the following storm water controls at your site, as they are described below, you must document any contact you have had with DWQ for implementing the requirements for underground injection wells in the Safe Drinking Water Act and DEQ's implementing regulation at UAC R317-7.
- There may be additional local requirements related to such structures
- Such controls (below) would generally be considered Class V UIC wells and all UIC Class V wells must be reported to DWQ for an inventory:
    - French Drains (if storm water is directed);
    - Commercially manufactured pre-cast or pre-built proprietary subsurface detention vaults, chambers, or other devices designed to capture and infiltrate storm water flow.
    - Drywells, seepage pits, or improved sinkholes (if storm water is directed).
- For the State UIC Contact at DWQ call (801) 536-4300.

☐ 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:
N/A

DWQ contact information:
Name:
Date:
Additional information:

Local Requirements:

3.2 Discharge Information

Instructions:

- For Table 1, list the name of the first surface water(s) that would receive discharges from your site. If your site has discharges to multiple surface waters, describe each as clearly as possible, such as Big Cottonwood Creek, *a tributary to the Jordan River*, and so on.
- For Table 2, if any of the surface waters you listed out in Table 1 are listed as, provide specified information about pollutants causing the impairment and whether or not a Total Maximum Daily Load (TMDL) has been completed for the surface water that is applicable to construction sites. For more information on TMDLs and impaired waters visit https://deq.utah.gov/water-quality/watershed-monitoring-program/approved-tmdls-watershed-management-program or www.epa.gov/tmdl/impaired-waters-and-stormwater. Your SWPPP should specifically include measures to prevent the discharge of these pollutants.
- Your project will be considered to discharge to a Category 1 or 2 water if the first surface water to which you discharge is identified by the state as a Category 1 or 2 water (a Category 1 water is only found within Forest Service boundaries). For discharges that enter a storm sewer system prior to discharge, the first surface water to which you discharge is the water body that receives the storm water discharge from the storm sewer system. Refer to Appendix C.
- For more information, see *SWPPP Guide*, Chapter 3.A and 3.B.
- Indicate the location of all waters, including wetlands, on the site map.
- Note any stream crossings, if applicable.
- List the storm sewer system or drainage system that storm water from your site could discharge to and the waterbody(s) that it ultimately discharges to.

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: Weber County

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

☒ Yes ☐ No

List the water body: Walker Slough

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. Walker Slough 1800 S
2.
3.
4.
5.
6.

3.4 Impaired Waters

Table 2. - Impaired Waters (Answer the following for each surface water listed in Table 1 above) (see http://wq.deq.utah.gov look in the bottom half of the left hand column)

	Is this surface water listed as "impaired"?	If you answered yes, then answer the following:		
		What pollutant(s) are causing the impairment?	Has a TMDL been completed?	Pollutant(s) for which there is a TMDL
1.	☐ Yes ☒ No		☐ Yes ☐ No	
2.	☐ Yes ☐ No		☐ Yes ☐ No	
3.	☐ Yes ☐ No		☐ Yes ☐ No	
4.	☐ Yes ☐ No		☐ Yes ☐ No	
5.	☐ Yes ☐ No		☐ Yes ☐ No	
6.	☐ Yes ☐ No		☐ Yes ☐ No	

3.5 High Water Quality

Table 3 – High Water Quality (Answer the following for each surface water listed in Table 1 above) (see http://wq.deq.utah.gov look in the bottom half of the left hand column)

	Is this surface water designated as High Water Quality? (see Appendix C)	If you answered yes, specify which category the surface water is designated as?
1.	☐ Yes ☒ No	☐ Category 1 ☐ Category 2
2.	☐ Yes ☐ No	☐ Category 1 ☐ Category 2
3.	☐ Yes ☐ No	☐ Category 1 ☐ Category 2
4.	☐ Yes ☐ No	☐ Category 1 ☐ Category 2
5.	☐ Yes ☐ No	☐ Category 1 ☐ Category 2
6.	☐ Yes ☐ No	☐ Category 1 ☐ Category 2

3.6 Dewatering Practices

Instructions:

- If you will be discharging storm water that is removed from excavations, trenches, foundations, vaults, or other similar points of accumulation, include design specifications and details of all dewatering practices that are installed and maintained to comply with the CGP Part 1.3.5.a and 2.1.3.d.
- Construction dewatering is covered under UPDES permit UTG070000. This applies to construction dewatering of uncontaminated storm water, groundwater, or surface water sources used in construction activities. The permit can be found at https://deq.utah.gov/water-quality/current-updes-permits bottom table). Call DWQ at 801-536-4300 for more information.

3.6: If dewatering is needed it will be ground applied, and contained in dirt berm for infiltration and evaporation.

BMP Description: On site containment

Installation Schedule:	If needed

Maintenance and Inspection:	Weekly
Responsible Staff:	Ray Holmes

3.6: (Place name of BMP here – reference to detailed instructions, Appendix M)	
BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

Repeat as needed

3.7 Control Storm Water Flowing onto and through the Project

Instructions:

- Describe structural practices (e.g., diversions, berms, ditches, storage basins) including design specifications and details used to divert flows from exposed soils, retain or detain flows, or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. (For more information, see *SWPPP Guide*, Chapter 4, ESC Principle 3.)

3.7: Containment on site	
BMP Description: Vegetated buffer	
Installation Schedule:	Immediately after beginning of construction
Maintenance and Inspection:	Weekly
Responsible Staff:	Ray Holmes

3.7:	
***BMP Description*: Silt Fence**	
***Installation Schedule*:**	Prior to disturbance near surface water
***Maintenance and Inspection*:**	Weekly
***Responsible Staff*:**	Ray Holmes

Repeat as needed

3.8 Protect Storm Drain Inlets

Instructions:

- Describe controls (e.g., inserts, rock-filled bags, or block and gravel) including design specifications and details that will be implemented to protect all inlets receiving storm water from the project during the entire project. (For more information, see *SWPPP Guide*, Chapter 4, ESC Principle 6.)
- Also, see EPA's *Storm Drain Inlet Protection BMP Fact Sheet* at https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#constr

3.8: (Place name of BMP here – reference to detailed instructions, Appendix M)	
BMP Description: Inlet Protection	
Installation Schedule:	After installation of curb and gutters
Maintenance and Inspection:	Weekly
Responsible Staff:	Ray Holmes

3.8: (Place name of BMP here – reference to detailed instructions, Appendix M)	
BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

Repeat as needed

SECTION 4: POLLUTION PREVENTION STANDARDS

Instructions:

- Describe the key good housekeeping and pollution prevention (P2) BMPs that will be implemented to control pollutants in storm water (CGP Part 2.3).
- For more information, see *SWPPP Guide*, Chapter 5.
- Consult your states or local jurisdiction's design manual or resources in Appendix D of the *SWPPP Guide*.
- For more information or ideas on BMPs, see EPA's National Menu of BMPs https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#constr

4.1 Potential Sources of Pollution

Instructions:

- Identify and list all potential sources of sediment, which may reasonably be expected to affect the quality of storm water discharges from the construction site.
- Identify and describe all potential sources of pollution or pollutant-generating activity (e.g., paving operations; concrete, paint, and stucco washout and waste disposal; solid waste storage and disposal), other than sediment, which could be exposed to rainfall or snowmelt, and may reasonably be expected to discharges from the construction site.
- For more information, see *SWPPP Guide*, Chapter 3.A.

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)
Excavation near ditch	Sediments	See site map
Pouring of concrete	Alkaline High Ph	See site map
Equipment leaks and Spills	Fuels and oils	Throughout site
Equipment fueling	Fuels	Fueling area

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)

Include additional rows as necessary.

4.2 Non-Storm Water Discharges

Instructions:

- Identify all allowable sources of non-storm water discharges that are not previously identified. CGP Part 7.2.7 (allowable non-storm water discharges are found in the CGP Part 1.3.4)
- The allowable non-storm water discharges identified might include the following (see your permit for an exact list):
  - ✓ Waters used to wash vehicles where detergents are not used
  - ✓ Water used to control dust
  - ✓ Potable water including uncontaminated water line flushings
  - ✓ Routine external building wash down that does not use detergents
  - ✓ Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used
  - ✓ Uncontaminated air conditioning or compressor condensate
  - ✓ Uncontaminated ground water or spring water
  - ✓ Foundation or footing drains where flows are not contaminated with process materials such as solvents
  - ✓ Uncontaminated excavation dewatering
  - ✓ Landscape irrigation
- Identify measures used to eliminate or reduce these discharges and the BMPs used to prevent them from becoming contaminated.
- For more information, see *SWPPP Guide*, Chapter 3.A.

List allowable non-storm water discharges and the measures used to eliminate or reduce them and to prevent them from becoming contaminated:

Authorized Non-Storm Water Discharges	Comments
Dust suppression	Water Truck
Water Line Flushing	Chlorine levels will be tested

Include additional rows as necessary.

4.2: (Place name of BMP here – reference to detailed instructions in Appendix M – water line, sanitation, flushing, etc.)	
BMP Description: Chlorine Testing	
Installation Schedule:	When water line is installed
Maintenance and Inspection:	As needed
Responsible Staff:	Ray Holmes

4.2: (Place name of BMP here -- reference to detailed instructions in Appendix M)	
BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

Repeat as needed

4.3 Natural Buffers or Equivalent Sediment Controls

Instructions (see CGP Parts 2.1.2.a and 7.2.8, and Appendix D):

This section only applies to you if a surface water is located within 50 feet your construction activities. If this is the case, consult CGP Part 2.1.2.a and Appendix D for information on how to comply with the buffer requirements.

- Describe the compliance alternative (CGP Part 2.1.2.a.i, ii, iii, or iv) that was chosen to meet the buffer requirements, and include any required documentation supporting the alternative selected. The compliance alternative selected must be maintained throughout the duration of permit coverage. However, if you select a different compliance alternative during your period of permit coverage, you must modify your SWPPP to reflect this change.
- If you qualify for one of the exceptions in the CGP Part 2.1.2.a.v, include documentation related to your qualification for such exceptions.

Buffer Compliance Alternatives

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

(Note: If "no", no further documentation is required for the Section 4.3. Delete the rest of Section 4.3 below this point).)

Check the compliance alternative that you have chosen:

☐ I will provide and maintain a 50-foot undisturbed natural buffer.

(Note (1): You must show the 50-foot boundary line of the natural buffer on your site map.)

(Note (2): You must show on your site map how all discharges from your construction disturbances through the natural buffer area will first be treated by the site's erosion and sediment controls. Also, show on the site map any velocity dissipation devices used to prevent erosion within the natural buffer area.)

☐ 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.

(Note (1): You must show the boundary line of the natural buffer on your site map.)

(Note (2): You must show on your site map how all discharges from your construction disturbances through the natural buffer area will first be treated by the site's erosion and sediment controls. Also, show on the site map any velocity dissipation devices used to prevent erosion within the natural buffer area.)

- INSERT WIDTH OF NATURAL BUFFER TO BE RETAINED
- INSERT EITHER ONE OF THE FOLLOWING:

  (1) THE ESTIMATED SEDIMENT REMOVAL FROM A 50-FOOT BUFFER USING APPLICABLE INFORMATION IN APP. D, 2.2.2. INCLUDE INFORMATION ABOUT THE BUFFER VEGETATION AND SOIL TYPE THAT PREDOMINATE AT YOUR SITE

  OR

  (2) IF YOU CONDUCTED A SITE-SPECIFIC CALCULATION FOR THE ESTIMATED SEDIMENT REMOVAL OF A 50-FOOT BUFFER, PROVIDE THE SPECIFIC REMOVAL EFFICIENCY, AND INFORMATION YOU RELIED UPON TO MAKE YOUR SITE-SPECIFIC CALCULATION.
- INSERT DESCRIPTION OF ADDITIONAL EROSION AND SEDIMENT CONTROLS TO BE USED IN COMBINATION WITH NATURAL BUFFER AREA
- INSERT THE FOLLOWING INFORMATION:
  - (1) SPECIFY THE MODEL OR OTHER TOOL USED TO ESTIMATE SEDIMENT LOAD REDUCTIONS FROM THE COMBINATION OF THE BUFFER AREA AND ADDITIONAL EROSION AND SEDIMENT CONTROLS INSTALLED AT YOUR SITE, AND
  - (2) INCLUDE THE RESULTS OF CALCULATIONS SHOWING THAT THE COMBINATION OF YOUR BUFFER AREA AND THE ADDITIONAL EROSION AND SEDIMENT CONTROLS INSTALLED AT YOUR SITE WILL MEET OR EXCEED THE SEDIMENT REMOVAL EFFICIENCY OF A 50-FOOT 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.

- Project will be within approximately 10 feet of surface water. Silt fence will be used to control erosion and sediment.
- INSERT EITHER ONE OF THE FOLLOWING:

  OR

  (2) IF YOU CONDUCTED A SITE-SPECIFIC CALCULATION FOR THE ESTIMATED SEDIMENT REMOVAL OF A 50-FOOT BUFFER, PROVIDE THE SPECIFIC REMOVAL

EFFICIENCY, AND INFORMATION YOU RELIED UPON TO MAKE YOUR SITE-SPECIFIC CALCULATION.

- INSERT DESCRIPTION OF ADDITIONAL EROSION AND SEDIMENT CONTROLS TO BE USED IN COMBINATION WITH NATURAL BUFFER AREA
- INSERT THE FOLLOWING INFORMATION:
  - (1) SPECIFY THE MODEL OR OTHER TOOL USED TO ESTIMATE SEDIMENT LOAD REDUCTIONS FROM THE EROSION AND SEDIMENT CONTROLS INSTALLED AT YOUR SITE, AND
  - (2) INCLUDE THE RESULTS OF CALCULATIONS SHOWING THAT THE ADDITIONAL EROSION AND SEDIMENT CONTROLS INSTALLED AT YOUR SITE WILL MEET OR EXCEED THE SEDIMENT REMOVAL EFFICIENCY OF A 50-FOOT 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.

(Note: If this exception applies, no further documentation is required for Section 4.1 of the Template.)

☐ No natural buffer exists due to preexisting development disturbances that occurred prior to the initiation of planning for this project.

(Note (1): If this exception applies, no further documentation is required for Section 2.2 of the Template.)

(Note (2): Where some natural buffer exists but portions of the area within 50 feet of the surface water are occupied by preexisting development disturbances, you must still comply with the one of the CGP Part 2.1.2.a compliance alternatives.)

☐ 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:

(1) Why it is infeasible for you to meet one of the buffer compliance alternative, and (2) Buffer width retained and/or supplemental erosion and sediment contorls to treat discharges to the surface water.

☐ The project qualifies as "small residential lot" construction (defined in Part 2.1.2.a.v.3 and in Appendix D).

For Alternative 1 (see Appendix D, Part 2.3.a):

- INSERT WIDTH OF NATURAL BUFFER TO BE RETAINED
- INSERT APPLICABLE REQUIREMENTS BASED ON TABLE D-1
- INSERT DESCRIPTION OF HOW YOU WILL COMPLY WITH THESE REQUIREMENTS

For Alternative 2 (see Appendix D, Part 2.3.b):

- INSERT (1) THE ASSIGNED RISK LEVEL BASED ON APPLICABLE TABLE IN APP. D, PART 2.3.2.b, AND (2) THE PREDOMINANT SOIL TYPE AND AVERAGE SLOPE AT YOUR SITE
- INSERT APPLICABLE REQUIREMENTS BASED ON APP. D, TABLE D-2
- INSERT DESCRIPTION OF HOW YOU WILL COMPLY WITH THESE REQUIREMENTS

☐ Buffer disturbances are authorized under a CWA Section 404 permit. INSERT DESCRIPTION OF ANY EARTH DISTURBANCES THAT WILL OCCUR WITHIN THE BUFFER AREA

(Note (1): If this exception applies, no further documentation is required for Section 2.2 of the Template.)

(Note (2): This exception only applies to the limits of disturbance authorized under the Section 404 permit, and does not apply to any upland portion of the construction project.)

☐ Buffer disturbances will occur for the construction of a water-dependent structure or water access area (e.g., pier, boat ramp, and trail). INSERT DESCRIPTION OF ANY EARTH DISTURBANCES THAT WILL OCCUR WITHIN THE BUFFER AREA

(Note (1): If this exception applies, no further documentation is required for Section 2.2 of the Template.)

4.3: (Place name of BMP here – reference to detailed instructions, Appendix M -- BMP equivalent to buffer)

BMP Description: Silt Fence	
Installation Schedule:	Prior to excavation near Walker Slough
Maintenance and Inspection:	Weekly
Responsible Staff:	Ray Holmes

4.3: (Place name of BMP here – reference to detailed instructions, Appendix M)

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

Repeat as needed

SECTION 5: EROSION AND SEDIMENT CONTROLS

Instructions:

- See Section 2 in the CGP. Describe the erosion and sediment controls (BMPs) that will be implemented to control pollutants in storm water discharges. For each major activity identified, do the following
  - ✓ Clearly describe appropriate control measures.
  - ✓ Describe the general sequence during the construction process in which the measures will be implemented.
  - ✓ Describe the maintenance and inspection procedures that will be used for that specific BMP.
  - ✓ Include protocols, thresholds, and schedules for cleaning, repairing, or replacing damaged or failing BMPs.
  - ✓ Identify staff responsible for maintaining BMPs.
  - ✓ (If your SWPPP is shared by multiple operators, indicate the operator responsible for each BMP.)
- Categorize each BMP under one of the following 10 areas of BMP activity as described below:
  - ***5.1 Minimize disturbed area and protect natural features and soil***
  - ***5.2 Establish Perimeter Controls and Sediment Barriers***
  - ***5.3 Retain Sediment on Site***
  - ***5.4 Establish Stabilized Construction Exits***
  - ***5.5 Protect Slopes***
  - ***5.6 Stockpiled Soil or other Material***
  - ***5.7 Minimize Dust***
  - ***5.8 Topsoil***
  - ***5.9 Soil Compaction***
  - ***5.10 High Altitude/Heavy Snows***
  - ***5.11 Linear Activities***
  - ***5.12 Chemical Treatment***
  - ***5.13 Stabilize Soils***
  - ***5.14 Final Stabilization***
- Note the location of each BMP on your site map(s).
- For any structural BMPs, you should provide design specifications and details and refer to them. Attach them as appendices to the SWPPP or within the text of the SWPPP.
- For more information, see *SWPPP Guide*, Chapter 4.
- Consult your MS4's or other local jurisdiction's design manual or one of those listed in Appendix D of the *SWPPP Guide*.
- For more information or ideas on BMPs, see EPA's National Menu of BMPs https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#constr

5.1 Minimize Disturbed Area and Protect Natural Features and Soil

Instructions:

- Describe the areas that will be disturbed with each phase of construction and the methods (e.g., signs, fences) that you will use to protect those areas that should not be disturbed. Describe natural features identified earlier and how each will be protected during construction activity. Also describe how topsoil will be preserved. Include these areas and associated BMPs on your site map(s) also. (For more information, see *SWPPP Guide*, Chapter 4, ESC Principle 1.)
- Also, see EPA's *Preserving Natural Vegetation BMP Fact Sheet* at https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#constr

5.1: (Place name of BMP here – reference to detailed instructions, Appendix M)

BMP Description: Limit Disturbed areas

Installation Schedule:	***Beginning of construction***
Maintenance and Inspection:	***On going***
Responsible Staff:	***Ray Holmes***

5.1: (Place name of BMP here – reference to detailed instructions, Appendix M)

BMP Description:

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

Repeat as needed

5.2 Establish Perimeter Controls and Sediment Barriers

Instructions:

- Describe structural practices (e.g., silt fences or fiber rolls) including design specifications and details to filter and trap sediment before it leaves the construction site. (For more information, see *SWPPP Guide*, Chapter 4, ESC Principle 7.)
- Also see, EPA's *Silt Fence BMP Fact Sheet* at https://www3.epa.gov/npdes/pubs/siltfences.pdf, or *Fiber Rolls BMP Fact Sheet* at https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#constr

5.2: (Place name of BMP here – reference to detailed instructions, Appendix M)

BMP Description: Vegetated Buffer

Installation Schedule:	Beginning of construction
Maintenance and Inspection:	On going
Responsible Staff:	Ray Holmes

5.2: (Place name of BMP here – reference to detailed instruction, Appendix M)	
BMP Description: Silt Fence	
Installation Schedule:	Prior to work within 50 ft of Walker Slough
Maintenance and Inspection:	Weekly
Responsible Staff:	Ray Holmes

Repeat as needed

5.3 Retain Sediment On-Site

Instructions:

- Describe sediment control practices (e.g., sediment trap or sediment basin), including design specifications and details (volume, dimensions, outlet structure) that will be implemented at the construction site to retain sediments on-site. (For more information, see *SWPPP Guide*, Chapter 4, ESC Principle 8.)
- Also, see EPA's *Sediment Basin BMP Fact Sheet* at https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#constr

5.3: (Place name of BMP here – reference to detailed instruction, Appendix M)	
BMP Description: Sediment basin (Earth Berm)	
Installation Schedule:	If needed
Maintenance and Inspection:	If needed
Responsible Staff:	Ray Holmes

5.3: (Place name of BMP here – reference to detailed instruction, Appendix M)	
BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

Repeat as needed

5.4 Establish Stabilized Construction Exits

Instructions:

- Describe location(s) of vehicle entrance(s) and exit(s), procedures to remove accumulated sediment off-site (e.g., vehicle tracking), and stabilization practices (e.g., stone pads or wash racks or both) to minimize off-site vehicle tracking of sediments and discharges to storm water. (For more information, see *SWPPP Guide*, Chapter 4, ESC Principle 9.)
- Also, see EPA's *Construction Entrances BMP Fact Sheet* at https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#constr

5.4: (Place name of BMP here – reference to detailed instructions, Appendix M -- Tire and mud removal BMP)

BMP Description: Gravel Construction Entrances/Exit	
Installation Schedule:	As needed
Maintenance and Inspection:	As needed
Responsible Staff:	Ray Holmes

5.4: (Place name of BMP here – reference to detailed instructions, Appendix M -- Street clean up method)

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

Repeat as needed

5.5 Protect Slopes

Instructions:

- Describe controls (e.g., erosion control blankets, tackifiers) including design specifications and details that will be implemented to protect all slopes. (For more information, see *SWPPP Guide*, Chapter 4, ESC Principle 5.)
- Also, see EPA's *Geotextiles BMP Fact Sheet* at https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#constr

5.5: (Place name of BMP here – reference to detailed instructions, Appendix M)

BMP Description: N/A	
Installation Schedule:	
Maintenance and Inspection:	

Responsible Staff:	

5.5: (Place name of BMP here – reference to detailed instructions, Appendix M)	
BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

Repeat as needed

5.6 Stockpiled Soil or Other Erodible Material

Instructions:

- Describe storm water controls and other measures you will take to minimize the discharge of sediment or soil particles from stockpiled soil or other erodible material. Include a description of structural practices (e.g., diversions, berms, ditches, storage basins), including installation, and maintenance specifications, used to divert flows from stockpiled sediment or soil, retain or detain flows, or otherwise limit exposure and the discharge of pollutants from stockpiled sediment or soil.
- Also, describe any controls or procedures used to minimize exposure resulting from adding to or removing materials from the pile.

5.6: (Place name of BMP here – reference to detailed instruction, Appendix M -- Backfill)	
BMP Description: Stockpiling Away from Property Lines and Water Ways	
Installation Schedule:	On going
Maintenance and Inspection:	On going
Responsible Staff:	Ray Holmes

5.6: (Place name of BMP here – reference to detailed instructions, Appendix M -- Landscaping)	
BMP Description: Earth Berms	
Installation Schedule:	If needed
Maintenance and Inspection:	If needed
Responsible Staff:	Ray Holmes

5.6: (Place name of BMP here – reference to detailed instructions, Appendix M – On site materials processing)	
BMP Description: [Include rational why this BMP will work best for this project]	
Installation Schedule:	

Maintenance and Inspection:	
Responsible 0	

Repeat as needed

5.7 Minimize Dust

Instructions:

- Describe controls and procedures you will use at your project/site to minimize the generation of dust.

5.7: (Place name of BMP here – reference to detailed instructions, Appendix M)	
BMP Description: Water Truck	
Installation Schedule:	Beginning of construction
Maintenance and Inspection:	Daily or as needed
Responsible Staff:	Ray Holmes

5.7: (Place name of BMP here – reference to detailed instructions, Appendix M)	
BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

Repeat as needed

5.8 Topsoil

Instructions:

- Describe how topsoil will be preserved and identify these areas and associated control measures on your site map(s).
- If it is infeasible for you to preserve topsoil on your site, provide an explanation for why this is the case.

5.8: (Place name of BMP here – reference to detailed instructions, Appendix M)	
BMP Description: Top Soil Preservation: Top soil will be stockpiled and used in building lots.	
Installation Schedule:	Beginning of construction
Maintenance and Inspection:	On going

Responsible Staff:	Ray Holmes

5.8: (Place name of BMP here – reference to detailed instructions, Appendix M)	
BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

Repeat as needed

5.9 Soil Compaction

Instructions:

- In areas where final vegetative stabilization will occur or where infiltration practices will be installed, describe the controls, including design, installation, and maintenance specifications that will be used to restrict vehicle or equipment access or condition the soil for seeding or planting.

5.9: (Place name of BMP here – reference to detailed instructions, Appendix M)	
BMP Description: Restrict Equipment Access	
Installation Schedule:	On going
Maintenance and Inspection:	Weekly
Responsible Staff:	Ray Holmes

5.9: (Place name of BMP here – reference to detailed instructions, Appendix M)	
BMP Description: Surface Roughing	
Installation Schedule:	If needed
Maintenance and Inspection:	If needed
Responsible Staff:	Ray Holmes

Repeat as needed

5.10 High Altitude/Heavy Snows

Instructions:

- See Part 2.1.2.i of the CGP. In high altitude areas you must attempt to prepare for heavy snows by deploying storm water controls prior to the first heavy snow, and have appropriate storm water control measures designed to handle snow melt before heavy snows occur.
- Stabilization measures should be deployed at the same time (See 2.2.1.c of the CGP).

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

5.10: (Place name of BMP here – reference to detailed instructions, Appendix M)	
BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

5.10: (Place name of BMP here – reference to detailed instructions, Appendix M)	
BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

Repeat as needed

5.11 Chemical Treatment

Instructions (see UCGP Parts 2.1.3.c and 7.2.9.b):

- If you are using treatment chemicals at your site, provide details for each of the items below. This information is required as part of the SWPPP requirements in CGP Part 7.2.9.b.

Soil Types

List all the soil types (including soil types expected to be found in fill material) that are expected to be exposed during construction and that will be discharged to locations where chemicals will be applied: N/A

Treatment Chemicals

List all treatment chemicals that will be used at the site and explain why these chemicals are suited to the soil characteristics: N/A Treatment chemicals will not be used on site.

Describe the dosage of all treatment chemicals you will use at the site or the methodology you will use to determine dosage: N/A

Provide information from any applicable Material Safety Data Sheets (MSDS): N/A

Describe how each of the chemicals will stored: N/A

Include references to applicable state or local requirements affecting the use of treatment chemicals, and copies of applicable manufacturer's specifications regarding the use of your specific treatment chemicals and/or chemical treatment systems: N/A

Special Controls for Cationic Treatment Chemicals (if applicable)

If you have been authorized by your applicable Regional Office to use cationic treatment chemicals, include the official EPA authorization letter or other communication, and identify the specific controls and implementation procedures you are required to implement to ensure that your use of cationic treatment chemicals will not lead to a violation of water quality standards: N/A

Schematic Drawings of Storm Water Controls/Chemical Treatment Systems

Provide schematic drawings of any chemically-enhanced storm water controls or chemical treatment systems to be used for application of treatment chemicals: N/A

Training

Describe the training that personnel who handle and apply chemicals have received prior to permit coverage, or will receive prior to the use of treatment chemicals: N/A

5.11: (Place name of BMP here – reference to detailed instructions, Appendix M)	
BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

5.11: (Place name of BMP here – reference to detailed instructions, Appendix M)	
BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

Repeat as needed

5.12 Stabilize Soils

Instructions:

- Describe controls (e.g., interim seeding with native vegetation, hydroseeding) to stabilize exposed soils where construction activities have temporarily or permanently ceased. Also describe measures to control dust generation. Avoid using impervious surfaces for stabilization whenever possible. (For more information, see *SWPPP Guide*, Chapter 4, ESC Principle 4.)
- Also, see EPA's *Seeding BMP Fact Sheet* at https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#constr

5.12: (Place name of BMP here – reference to detailed instructions, Appendix M)	
BMP Description: Limit Disturbed Areas	
☐ ***Permanent***	☒ ***Temporary***
Installation Schedule:	On going
Maintenance and Inspection:	On gong
Responsible Staff:	Ray Holmes

5.12: (Place name of BMP here – reference to detailed instructions, Appendix M)	
BMP Description: Water Truck for dust suppression	
☐ ***Permanent***	☒ ***Temporary***
Installation Schedule:	Daily or as needed
Maintenance and Inspection:	On going
Responsible Staff:	Ray Holmes

Repeat as needed

5.13 Final Stabilization

Instructions:

- Describe procedures for final stabilization. If you complete major construction activities on part of your site, you can document your final stabilization efforts for that portion of the site (specific vegetative and/or non-vegetative practices). The CGP allows you to then discontinue inspection activities in these areas.
- You can amend or add to this section as areas of your project are finally stabilized.
- Update your site plans to indicate areas that have achieved final stabilization.
- Note that dates for areas that have achieved final stabilization should be included in Section 5, Part 5.1 of this SWPPP.
- For more on this topic, see *SWPPP Guide*, Chapter 9.

5.13: (Place name of BMP here – reference to detailed instructions, Appendix M)	
BMP Description: Final Stabilization will be met when homes are built and landscaped.	
Installation Schedule:	End of construction
Maintenance and Inspection:	On going
Responsible Staff:	Home builder

5.13: (Place name of BMP here – reference to detailed instructions, Appendix M)	
BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

Repeat as needed

SECTION 6: POLLUTION PREVENTION

Instructions:

- Describe the key good housekeeping and pollution prevention (P2) BMPs that will be implemented to control pollutants in storm water (CGP Part 2.3).
- For more information, see *SWPPP Guide*, Chapter 5.
- Consult your state's or local jurisdiction's design manual or resources in Appendix D of the *SWPPP Guide*.
- For more information or ideas on BMPs, see EPA's National Menu of BMPs https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#constr

6.1 Spill Prevention and Response

Instructions:

- Describe the spill prevention and control plan to include ways to reduce the chance of spills, stop the source of spills, contain and clean up spills, dispose of materials contaminated by spills, and train personnel responsible for spill prevention and control. (For more information, see *SWPPP Guide*, Chapter 5, P2 Principle 6.)
- Some projects/site may be required to develop a Spill Prevention Control and Countermeasure (SPCC) plan under a separate regulatory program (40 CFR 112). If you are required to develop an SPCC plan, or you already have one, you should include references to the relevant requirements from your plan.
- Also, see EPA's *Spill Prevention and Control Plan BMP Fact sheet* at https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#constr
- Spill controls must contain spills, and be mobilized at the moment of need. The plan must include the materials and method of containment and for flowing liquid, cleanup, disposal and follow the minimum spill controls below.

Monitor equipment for leaks, equipment fueling must be done in designated area, any spills must be contained, cleaned up, and disposed of properly.

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 permittees. 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 within14 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)-231-1769 (801) 536-4123
Utah Department of Health Emergency Response	(801) 580-6681

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
Antifreeze, battery acid, gasoline, engine degreasers	Air, Land, Water	100 lbs (13 gallons)
Refrigerant	Air	1 lb

6.2 Construction and Domestic Waste

Instructions:

- Describe measures (e.g., trash disposal, sanitary wastes, recycling, and proper material handling) to prevent the discharge of solid materials to receiving waters, except as authorized by a permit issued under section 404 of the CWA (For more information, see *SWPPP Guide*, Chapter 5, P2 Principle 1.)
- Also, see EPA's *General Construction Site Waste Management BMP Fact Sheet* at https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#constr

6.2: (Place name of BMP here – reference to detailed instructions, Appendix M)(Trash Control)	
BMP Description: Trash will be hauled off daily during excavation	
Installation Schedule:	***Beginning of construction***
Maintenance and Inspection:	***Daily***
Responsible Staff:	***Ray Holmes***

6.2: (Place name of BMP here – reference to detailed instructions, Appendix M)(Spoil Control)	
BMP Description: Dumpster	
Installation Schedule:	***Prior to vertical construction***

Maintenance and Inspection:	***weekly***
Responsible Staff:	***Home builder***

6.2: (Place name of BMP here – reference to detailed instructions, Appendix M)(Sanitary Waste Control)	
BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

6.2: (Place name of BMP here – reference to detailed instructions, Appendix M)(Concrete Cutting Control)	
BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

6.2: (Place name of BMP here – reference to detailed instructions, Appendix M)(Concrete Washout Control)	
BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

Repeat as needed

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

Instructions:

- Describe location(s) and controls to eliminate the potential for discharges from washout areas for concrete mixers, concrete washout, paint, stucco, mortar, drywall mud, and so on. (For more information, see *SWPPP Guide*, Chapter 5, P2 Principle 3.)
- Also, see EPA's *Concrete Washout BMP Fact Sheet* at https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#constr

6.3: (Place name of BMP here – reference to detailed instructions, Appendix M)	
BMP Description: Concrete washout	
Installation Schedule:	Prior to use of concrete
Maintenance and Inspection:	Weekly
Responsible Staff:	Ray Holmes

6.3: (Place name of BMP here – reference to detailed instructions, Appendix M)	
BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

Repeat as needed

6.4 Establish Proper Building Material Staging Areas

Instructions:

- Describe construction materials expected to be stored on-site and procedures for storage of materials to minimize exposure of the materials to storm water. (For more information, see *SWPPP Guide*, Chapter 5, P2 Principle 2.)

6.4: (Place name of BMP here – reference to detailed instructions, Appendix M)	
BMP Description: Metal Conex for storage of any materials	
Installation Schedule:	Beginning of construction
Maintenance and Inspection:	Weekly
Responsible Staff:	Ray Holmes

6.4: (Place name of BMP here – reference to detailed instructions, Appendix M)
BMP Description:

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

Repeat as needed

6.5 Establish Proper Equipment/Vehicle Fueling and Maintenance Practices

Instructions:

- Describe equipment/vehicle fueling and maintenance practices that will be implemented to control pollutants to storm water (e.g., secondary containment, drip pans, and spill kits). CGP Part 2.3.3.a
- For more information, see *SWPPP Guide*, Chapter 5, P2 Principle 4.
- Also, see EPA's *Vehicle Maintenance and Washing Areas BMP Fact Sheet* at https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#constr

6.5: (Place name of BMP here – reference to detailed instructions, Appendix M)	
BMP Description: Designated equipment fueling and maintenance area	
Installation Schedule:	Beginning of construction
Maintenance and Inspection:	Weekly
Responsible Staff:	Ray Holmes

6.5: (Place name of BMP here – reference to detailed instructions, Appendix M)	
BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

Repeat as needed

6.6 Control Equipment/Vehicle Washing

Instructions:

- Describe equipment/vehicle washing practices that will be used to minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other types of washing (e.g., locating activities away from surface waters and storm water inlets or conveyances and directing wash waters to a sediment basin or sediment trap, using filtration devices, such as filter bags or sand filters, or using other similarly effective controls). (For more information, see *SWPPP Guide*, Chapter 5, P2 Principle 5.)
- Describe how you will prevent the discharge of soaps, detergents, or solvents by providing either (1) cover (*examples: plastic sheeting or temporary roofs*) to prevent these detergents from coming into contact with rainwater, or (2) a similarly effective means designed to prevent the discharge of pollutants from these areas.
- Also, see EPA's *Vehicle Maintenance and Washing Areas BMP Fact Sheet* at https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#constr
-

6.6: (Place name of BMP here – reference to detailed instructions, Appendix M)	
BMP Description: No Equipment/Vehicle Washing allowed on site.	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

6.6: (Place name of BMP here – reference to detailed instructions, Appendix M)	
BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

Repeat as needed

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

Instructions:

- Describe how you will comply with the CGP Part 2.3.5 requirement to "minimize discharges of fertilizers containing nitrogen or phosphorus".

6.7: (Place name of BMP here – reference to detailed instructions, Appendix M)	
BMP Description: N/A	
Installation Schedule:	

Maintenance and Inspection:	
Responsible Staff:	

6.7: (Place name of BMP here – reference to detailed instructions, Appendix M)	
BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

Repeat as needed

6.8 Other Pollution Prevention Practices

Instructions:

- Describe any additional BMPs that do not fit into the above categories. Indicate the problem they are intended to address.

6.8: (Place name of BMP here – reference to detailed instructions, Appendix M)	
BMP Description: N/A	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

6.8: (Place name of BMP here – reference to detailed instructions, Appendix M)	
BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

Repeat as needed

SECTION 7: INSPECTIONS & CORRECTIVE ACTIONS

7.1 Inspections

Instructions:

- Identify the individual(s) responsible for conducting inspections and ensure they are a "qualified person" per the CGP Part 4.
- The "qualified person" must meet the requirements of the UCGP, such as but not limited to the following:
  - ✓ Utah Registered Storm Water Inspector (RSI)
  - ✓ Certified Professional in Erosion and Sediment Control (CPESC)
  - ✓ Certified Professional in Storm Water Quality (CPSWQ)
  - ✓ Certified Erosion, Sediment, and Storm Water Inspector (CESSWI)
  - ✓ Certified Inspector of Sediment and Erosion Control (CISEC)
  - ✓ National Institute for Certification in Engineering Technologies, Erosion and Sediment Control, Level 3 (NICET)
  - ✓ Utah Department of Transportation Erosion Control Supervisor (ECS)
- Reference or attach the inspection form that will be used.
- Describe the frequency that inspections will occur at your site including any correlations to storm frequency and intensity.
- Increase in inspection frequency for sites discharging to Sensitive Waters (CGP 4.1.3).
- Note that inspection details for particular BMPs should be included in Sections 2 and 3.
- You should also document the repairs and maintenance that you undertake as a result of your inspections. These actions can be documented in the corrective action log described in Part 5.3 below.
- For more on this topic, see *SWPPP Guide*, Chapters 6 and 8.
- Also, see suggested inspection form in Appendix B of the *SWPPP Guide*.

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

2. ***Inspection Schedule:***

   Minimum Inspection Requirements:
   X At least once every 7 calendar days; or
   ☐ At least once every 14 calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater.

Inspection Reports are filed in Appendix E

Certified

under the direction of

The Utah Chapter of the American Public Works Association

and the

Utah Storm Water Committee

in coordination with the

State of Utah Department of Environmental Quality, Division of Water Quality

Colt Prevedel

has passed the competency examination, and met all further requirements,
to qualify as a

Registered Storm Water Inspector

Taylor Nielsen, P.E., USWAC Chair

Dec 31, 2020

Expires

7.2 Corrective Actions

Instructions:

- Create here, or as an attachment, a corrective action log. This log should describe repair, replacement, and maintenance of BMPs undertaken as a result of the inspections and maintenance procedures described above. Actions related to the findings of inspections should reference the specific inspection report.
- This log should describe actions taken, date completed, and note the person that completed the work.

Correction Action Log is filed in Appendix F

7.3 Delegation of Authority

Instructions:

- Identify the individual(s) or specifically describe the position where the construction site operator has delegated authority for the purposes of signing inspection reports, certifications, or other information.
- Each inspection report must be signed in accordance with Appendix G, Part G.16 of the permit.
- If a delegation letter is necessary, see Appendix K of this template and submit it to the Department and include in the SWPPP in Appendix K.
- For more on this topic, see *SWPPP Guide*, Chapter 7.

See the signed delegation of authority forms in Appendix K.

SECTION 8: TRAINING AND RECORDKEEPING

8.1 Training

Instructions:

- Training your staff and subcontractors is an effective BMP. As with the other steps you take to prevent storm water problems at your site, document that the personnel required to be trained in CGP Part 6 completed the appropriate training.
- The following personnel, at a minimum, must receive training, and therefore should be listed out individually in the table below:
  - ✓ Personnel who are responsible for the design, installation, maintenance, and/or repair of storm water controls (including pollution prevention measures);
  - ✓ Personnel responsible for the application and storage of treatment chemicals (if applicable);
  - ✓ Personnel who are responsible for conducting inspections as required in Part 4.1.1; and
  - ✓ Personnel who are responsible for taking corrective actions as required in Part 5.
- Include dates, number of attendees, subjects covered, and length of training.
- For more on this subject, see *SWPPP Guide*, Chapter 8.

Training documentation and log are filed in Appendix J.

8.2 Recordkeeping

Instructions:

- The following is a list of records you should keep at your project site available for inspectors to review:
- Dates of grading, construction activity, and stabilization (which is covered in Sections 2 and 3)
- A copy of the construction general permit (attach)
- The signed and certified NOI form or permit application form (attach)
- A copy of the letter from EPA or/the state notifying you of their receipt of your complete NOI/application (attach)
- Inspection reports (attach)
- Check your permit for additional details
- For more on this subject, see *SWPPP Guide*, Chapter 6.C.

Maintain all records in Appendices A-M

8.3 Log of Changes to the SWPPP

Instructions:

- Create a log here, or as an attachment, of changes and updates to the SWPPP. You should include additions of new BMPs, replacement of failed BMPs, significant changes in the activities or their timing on the project, changes in personnel, changes in inspection and maintenance procedures, updates to site maps, and so on.

Amendments to the SWPPP are filed in Appendix G

SECTION 9: CERTIFICATION

Instructions:

- The SWPPP should be signed and certified by the owner and the general contractor. Attach a copy of the NOI and a copy of the General Storm Water Permit for Construction Activity. You can get a copy of the General Storm Water Permit for Construction Activity on the same web page that this template was obtained (https://deq.utah.gov/water-quality/general-construction-storm-water-updes-permits)

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: KEITH WARD Title: DEVELOPER

Signature: Date: 8-23-19

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: Ray Holmes Title: OWNER

Signature: Date: 8-23-19

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, Local, County and other State Permits. and Acknowledgement Letter from EPA/State/MS4

Appendix E – Inspection Reports

Appendix F – Corrective Action Log (see CGP 5.4)

Appendix G – SWPPP Amendment Log (see CGP 7.4.3)

Appendix H – Subcontractor Certifications/Agreements/Delegation of Authority (see CGP Appendix G16.1.2)

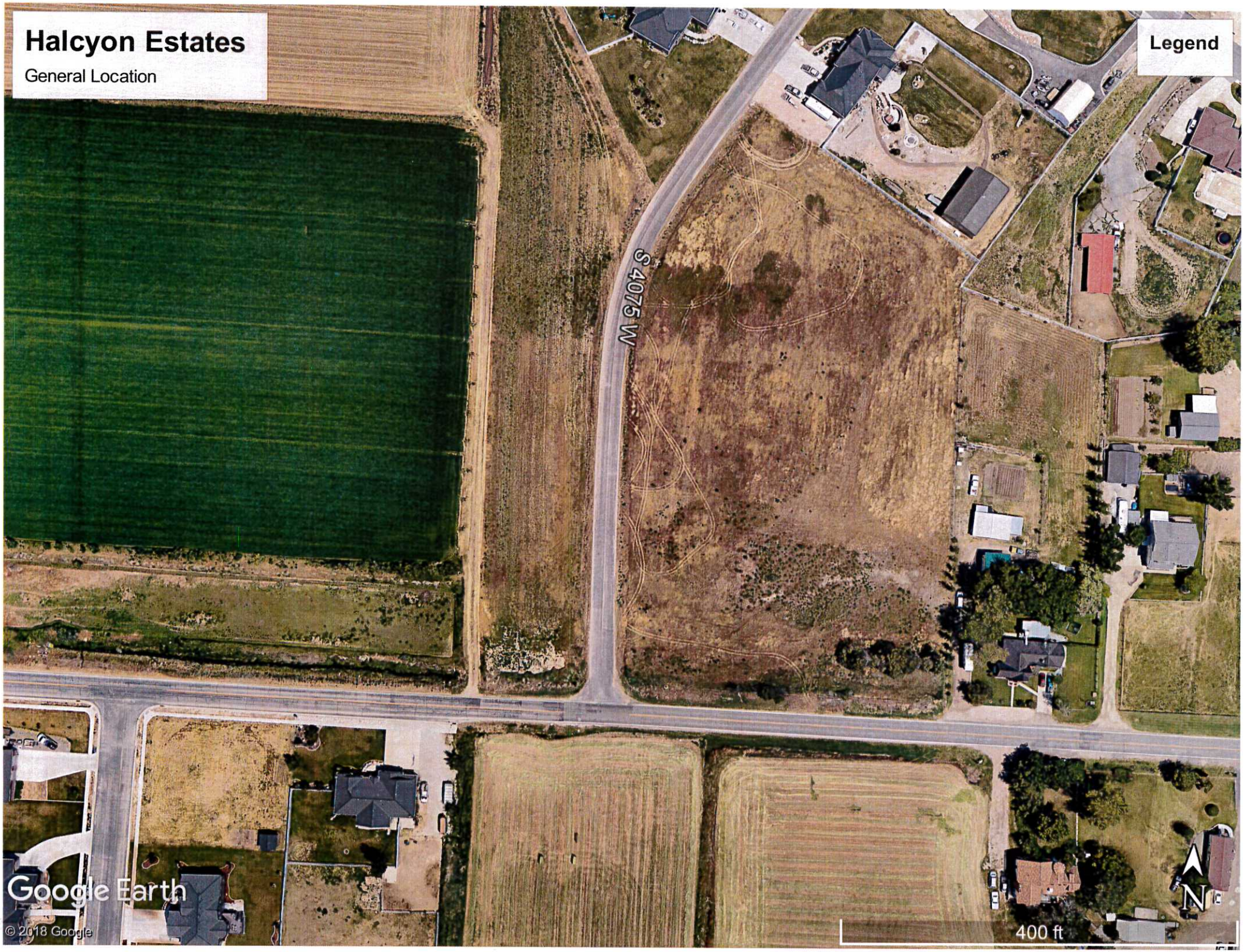
Appendix I – Grading and Stabilization Activities Log (see CGP 7.2.4.b)

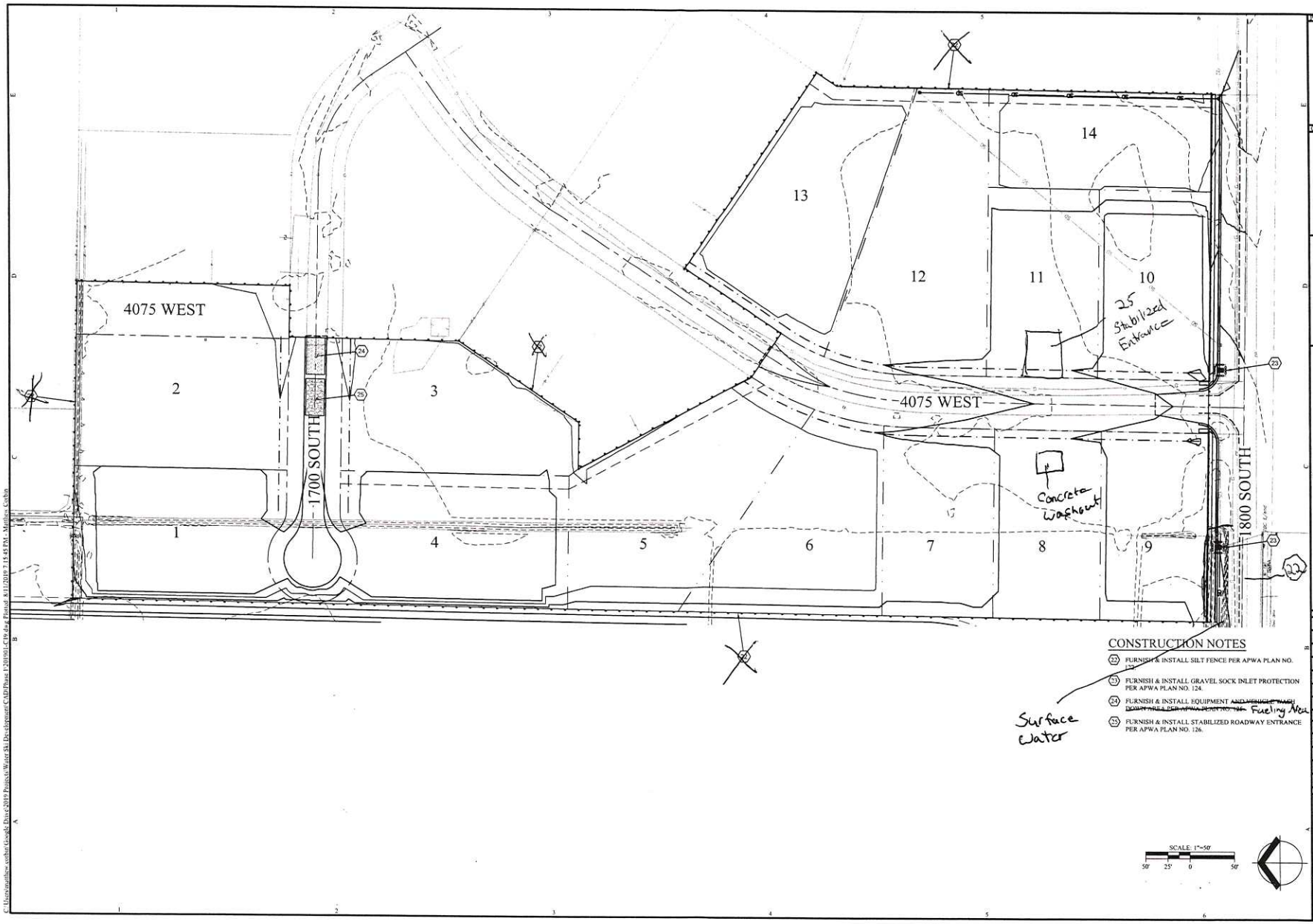
Appendix J – Training Log (see CGP 6)

Appendix K – Construction Plans (if desired – may be referenced)

Appendix L – Additional Information (i.e., Other permits such as dewatering, stream alteration, wetland; and out of date swppp documents)

Appendix M – BMP Instruction and Detail Specifications


Halcyon Estates
General Location
Legend
S 4075 W
Google Earth
© 2018 Google
400 ft
N



CONSTRUCTION NOTES

22. FURNISH & INSTALL SILT FENCE PER APWA PLAN NO. 132.
23. FURNISH & INSTALL GRAVEL SOCK INLET PROTECTION PER APWA PLAN NO. 124.
24. FURNISH & INSTALL EQUIPMENT ~~AND VEHICLE WASH DOWN PAD~~ PER APWA PLAN NO. ~~746~~.
25. FURNISH & INSTALL STABILIZED ROADWAY ENTRANCE PER APWA PLAN NO. 126.

SCALE: 1"=50'

50' 25' 0 50'

PREPARED

WRB Consulting Services

521 West 1050 South
PO Box 1117
Salem, UT 84653

(801) 360-6297
brucewardd007@live.com

CONSULTANTS

No. 364948 Bruce R. Ward STATE OF UTAH
7/12/19

HALCYON LAKE ESTATES

A PORTION OF THE SW 1/4 OF SECTION 21, T.6N R.2W SALT LAKE BASE & MERIDIAN
WEBER COUNTY, UTAH

"A LOT-AVERAGED SUBDIVISION"

OWNER

WAKELESS HOLDINGS LLC.

TYLER BRENCHLEY
1064 SPYGLASS HILL
SYRACUSE, UT 84075
(801) 644-3148
tylerbrenchley@gmail.com
and
KEITH WARD
1978 CAMERON DRIVE
WEST HAVEN, UT 84401
(801) 540-9399
wardkr1@msn.com

REVISIONS/SUBMISSIONS

MARK	DATE	DESCRIPTION
2	8/7/19	IRR COMMENTS
1	7/28/19	REVISED C&G

PROJECT #	201901
CAD DWG FILE:	201901-C19.dwg
DRAWN BY:	M. CORBIN
CHECKED BY:	B. WARD
DESIGNED BY:	S. SMITH

SHEET TITLE

STORMWATER POLLUTION & PREVENTION PLAN

SHEET NAME

C-19

SHEET 20 OF 24

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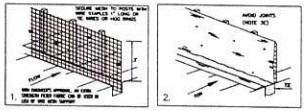
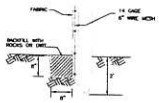
NARRATIVE: THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE (BMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND SHOULD BE CONTINUOUSLY MONITORED BY THE CONTRACTOR AND ENGINEER. DETAILS SHOWN HERE HIGHLIGHT IMPORTANT PARTS OF CONSTRUCTION, AND SHOULD BE MODIFIED AS NEEDED.





TOE DETAIL

Silt fence

February 2006 | 7 | 122

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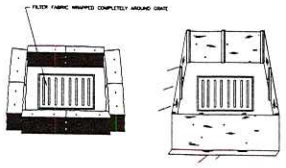

STRAW BALE BARRIER (PLAN No. 131)

SILT FENCE (PLAN No. 122)

Inlet protection - fence or straw bale

February 2006 | 15 | Plan No. 124 | Drawing 3 of 3

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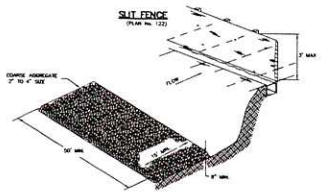
1. SECURE MESH TO POSTS WITH WIRE STAPLES 1" LONG OR TIE WIRES OR HOG RINGS.
2. SECURE FABRIC TO MESH WITH TWINE, STAPLES OR SIMILAR

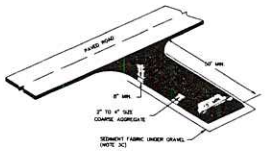


WASH DOWN AREA

Equipment and vehicle wash down area

February 2006 | 17 | Plan No. 125

NARRATIVE: THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE (BMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND SHOULD BE CONTINUOUSLY MONITORED BY THE CONTRACTOR AND ENGINEER. DETAILS SHOWN HERE HIGHLIGHT IMPORTANT PARTS OF CONSTRUCTION, AND SHOULD BE MODIFIED AS NEEDED.



Stabilized roadway entrance

February 2006 | 19 | Plan No. 126

PREPARED

WRB Consulting Services

521 West 1050 South
PO Box 1117
Salem, UT 84653

(801) 360-6297
bruceward007@live.com

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SHEET 21 OF 24

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