

Storm Water Pollution Prevention Plan

for:

Arroyo Crossing
Tract E
Moab, Utah 84532

Operator:

Housing Authority of Southeastern Utah
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SWPPP Preparation Date:

01/11/2022

UPDES Permit Tracking Number*:

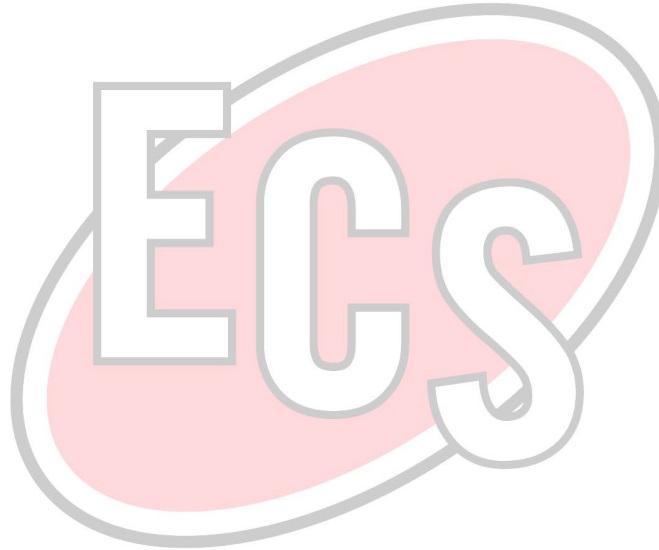
UTRC 13682

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SECTION 1: CONTACT INFORMATION/ RESPONSIBLE PARTIES

1.1 Storm Water Team



Name and/or Position, and Contact	Responsibilities, Qualifications, and Training
Ben Riley Housing Authority of Southeastern Utah Project Manager 435-260-1148 briley@hasuhomes.org	Overseeing SWPPP- Project Manager
Rikki Epperson Community Rebuilds Superintendent 435-260-0501 rikki@communityrebuilds.org	Overseeing Installation, Maintenance, Corrective Actions- Site Superintendent
Danielle Roundy Erosion Control Services SWPPP Writer 801-302-3021 Office@erosioncontrolservices.net	SWPPP Writing / SWPPP Amendments RSW
C. Rene Matelski Erosion Control Services 801-302-3021 office@erosioncontrolservices.net	RSR
Tanner Rosenhan Erosion Control Services 801-859-3975 Office@erosioncontrolservices.net	Inspections / Installation & Maintenance RSI, CISEC
Jake Kelsch Erosion Control Services 801-674-1182 Office@erosioncontrolservices.net	Inspections / Installation & Maintenance RSI, CISEC
Ben Camaano Erosion Control Services 385-204-8916 office@erosioncontrolservices.net	Inspections/ Installation & Maintenance RSI
Paul Gillespie Erosion Control Services 801-472-4718 office@erosioncontrolservices.net	Inspections RSI
Bryan Butterworth Erosion Control Services 801-302-8912 office@erosioncontrolservices.net	Inspections RSI

Mike Bunderson Erosion Control Services 801-381-1268 office@erosioncontrolservices.net	Inspections RSI
Russ Larsen Erosion Control Services 801-699-1625 Office@erosioncontrolservices.net	Inspections RSI
Bobby Harding Erosion Control Services 801-300-9349 Office@erosioncontrolservices.net	Inspections ECS
Kazen Roundy Erosion Control Services 801-615-3850 office@erosioncontrolservices.net	Inspections RSI
Charlie Giese Erosion Control Services 801-656-7062 office@erosioncontrolservices.net	Inspections RSI
Jack Barker Erosion Control Services 801-386-4008 office@erosioncontrolservices.net	Inspections ECS

SECTION 2: NATURE OF CONSTRUCTION ACTIVITIES

2.1 Construction Site Estimates

The following are estimates for the construction site.

Total project area (lot size):	1.6 acres
Construction site area to be disturbed:	1.6 acres

2.2 Construction Activity Descriptions

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

Development of new 49 lot subdivision with Tracts A-K for future development

Describe any on-site and off-site construction support activity areas:

N/A

Typical site business days and times:

Monday- Friday 7-6

2.3 Phase/Sequence of Construction Activity

Phase I

- Clearing of Site
- 01/17/2022 – 04/01/2022
- Silt Fence, Gator Guards, and Flexstorm
- Watering of site with water truck with some compaction of soil for temporary stabilization

Phase II

- Mass Grading
- 04/01/2022– 07/01/2022
- Silt Fence, Gator Guards, and Flexstorm

- Watering of site with water truck with some compaction of soil for temporary stabilization

Phase III

- Deep Utilities
- 07/01/2022 - 09/15/2022
- Silt Fence, Gator Guards, and Flexstorm
- Watering of site with water truck with some compaction of soil for temporary stabilization

Phase IV

- Curb, Gutters, Sidewalks
- 09/15/2022 – 12/01/2022
- Silt Fence, Gator Guards, and Flexstorm
- Completion of Landscaping for permanent Stabilization

Phase V

- Pavement
- 12/01/2022 – 02/15/2023
- Silt Fence, Gator Guards, and Flexstorm
- Completion of Landscaping for permanent Stabilization

Phase VI

- Shallow Utilities
- 02/15/2023 – 05/01/2023
- Silt Fence, Gator Guards, and Flexstorm
- Completion of Landscaping for permanent Stabilization

Phase VII

- Vertical Construction
- 05/01/2023 – 05/01/2027
- Silt Fence, Gator Guards, and Flexstorm
- Completion of Landscaping for permanent Stabilization

Phase VIII

- Landscaping
- As lots are completed-
- Silt Fence, Gator Guards, and Flexstorm
- Completion of Landscaping for permanent Stabilization

2.4 Maps

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

SECTION 3: WATER QUALITY

3.1 Discharge Information

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

Names of Receiving Waters

Name of Receiving Water (first surface water that receives storm water or where storm system discharges to)	Is the water impaired or high quality?	If high quality: Is it Category 1 or 2? If impaired: List pollutants that the waterbody is impaired for
1. Pack Creek	☐ Not high quality/impaired ☒ Impaired, has approved TMDL ☐ Impaired, no TMDL ☐ High quality	E coli, Selenium, Total Dissolved Solids, Temperature

3.3 Impaired Waters

Description of additional precautions taken if you are discharging to an impaired surface water. State if no impairment causing pollutants are on site:

Additional Perimeter Controls will ensure no contaminates erode offsite.

3.4 High Water Quality

Description of additional precautions taken to minimize pollution effects if you are discharging to a high quality surface water:

N/A

SECTION 4: POLLUTION PREVENTION STANDARDS

4.1 Potential Sources of Pollution

Pollutant-Generating Activity	Pollutants or Pollutant Constituents (that could be discharged if exposed to storm water)	Location on Site (or reference SWPPP site map where this is shown)
Sediment / TSS (Total Suspended Solids)	Erosion where soil is disturbed because of construction presents potential problems of sediment and suspended solids due to runoff. Erosion/Sediment controls described on site map will be utilized.	Throughout site
Soil Stabilization Material	Disturbed areas where slopes or susceptible soil types are exposed. Install Sediment/Pollutant control where material is present up-slope.	Near perimeter of project
Concrete-white / Solid grey-limestone, sand, pH, Chromium	Concrete found in curb, gutter, sidewalk, walkway, and parking garage areas on project and on vertical footing foundations. Excess and extra concrete will be cleaned up or dumped in designated area.	Anywhere concrete work is taking place
Oils-brown oily petroleum hydrocarbon-Mineral Oil	During street production and roofing of structures activities. Paving operations will not be performed immediately before an anticipated major storm event.	Near street construction
Grease	Vehicles performing earth moving and construction activities-also steel and drilling work. Clean up where visual and keep equipment clean and wiped down.	Throughout site
Refrigerants	AC units. Any AC servicing will be performed by HVAC trained technicians.	Interior of building
Excavation Pump Out water-TSS/Sediment	Excavated low areas where water could pool. Pump onto vegetated area or through filter bag to contain sediment.	Throughout site
Fuels-colorless-pale brown/yellow-pink-blue green	Used by vehicles performing dirt work and construction activities.	At designated fueling areas

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)
hydrocarbon-Benzene, ethyl benzene, toluene, xylene, MTBE, petroleum distillate, oils/greases, naphthalene, coal oil	Secondary containment will be provided for tanks to contain leaks and spills.	
Trash	Trash from empty cardboard, paint, plastic, scrap wood, and metal containers. Will be properly contained on the site and removed frequently for off-site disposal.	Near construction dumpsters
Stucco, Painting, Stone, Brick, Wash Waters	Structure's exterior finishing. Contained on the site in designated areas where possible.	Exterior of building
Pesticides-insecticides, fungicides, herbicides, - Chlorinated Hydrocarbons, organophosphates, carbonates, arsenic	Pesticides may be used as a preparation before the foundation is poured and for pest control during construction to control fire ants, etc. Herbicides also used for noxious weed control. Pesticides will be used according to the manufacturer's labeled instructions, and will not be applied just before a storm event. Excess pesticides will be removed from the site once application is complete.	Near building foundation
Concrete Curing Compound-creamy white liquid-Naphtha	Curing compound will be used as needed. Concrete contractor will remove remaining compound from the site.	Near building foundation
Concrete Washout Waters-grey liquid-pH	Concrete trucks or pump trucks. Wash water from concrete trucks will be washed out at a designated site.	At designated washout area
Solvents-colorless, blue, or yellow liquid-perchloroethylene, methylene chloride, trichloroethylene, petroleum distillates	Used by utility and painting contractors and will be removed from the site by contractors. No equipment cleaning allowed in project limits.	Secondary containment
Paints-various color liquid-metal oxides, Stoddard solvent, talc, calcium carbonate, arsenic, petroleum distillates, copper, chromium	Used by painting contractor. Paints and stains may be stored inside the structure and the contractor will remove waste paints and stains from the site.	Interior of building

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)
Sanitary Waste Management- bacteria, parasites, viruses	Fecal coli form bacteria may occur in surrounding waters as a result of the overflow of domestic sewage or non-point sources of human and animal waste that could impact the river or other water sources. Portable toilets will be contained on the site in designated areas. Licensed sanitary services will ensure facilities are in working order at all times.	Near portable toilets
Fertilizers-liquid/solid grains- Nitrogen, phosphorous	Fertilizer is seldom used during final site preparation when vegetated areas are sodded or seeded. Fertilizer will not be applied just before a storm event, and will not be stored on the site for any length of time.	Throughout landscaped area

4.2 Non-Storm Water Discharges

Check allowable non-storm water discharges that are present and describe the measures used to reduce them or prevent them from contributing pollutants to discharges:

Authorized Non-Storm Water Discharges	Present	Comments/Controls
Discharges from emergency fire-fighting activities	☒ Y ☐ N	Perimeter Control, Inlet Protection
Fire hydrant flushing	☒ Y ☐ N	Perimeter Control, Inlet Protection
Properly managed landscape irrigation (excludes fertilizer injector systems)	☐ Y ☒ N	
Properly managed vehicle and equipment wash water with no soaps, solvents, or detergents	☐ Y ☒ N	
Water used to control dust	☒ Y ☐ N	Water truck, Perimeter Control, Inlet Protection
Drinking water, includes uncontaminated water line flushing	☐ Y ☒ N	
External building washdown with no soaps, solvents, detergents, or hazardous substances	☐ Y ☒ N	

Pavement wash waters with no detergents or toxic or hazardous materials. Must have a sediment basin, sediment trap, of similarly effective control prior to discharge.	☒ Y ☐ N	Perimeter Control, Inlet Protection
Uncontaminated air conditioning or compressor condensate	☐ Y ☒ N	
Uncontaminated, non-turbid discharges of ground water (from natural sources) or spring water	☒ Y ☐ N	Perimeter Control, Inlet Protection
Uncontaminated foundation or footing drains	☒ Y ☐ N	Perimeter Control, Inlet Protection

4.3 Dewatering Practices

☒ Check box if section not applicable to this site

Describe the general scope of dewatering practices for the project and any BMPs used to manage the dewatering practices:

There will not be dewatering on this site

4.4 Natural Buffers or Equivalent Sediment Controls

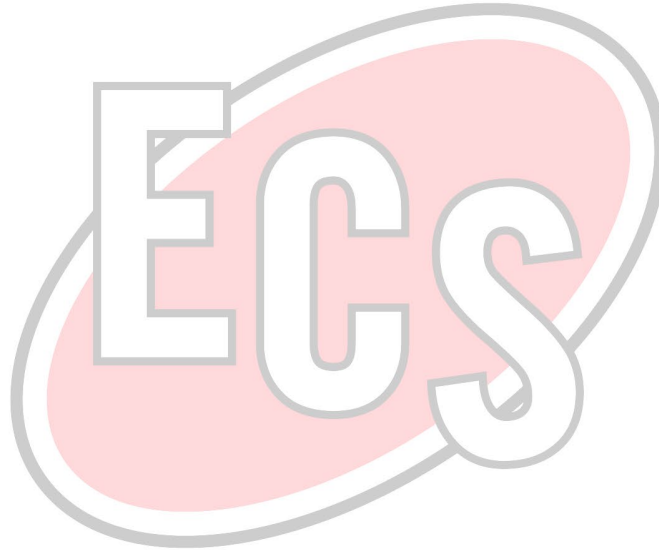
Buffer Compliance Alternatives

Are there any surface waters within 50 feet of your project's earth disturbances?

☐ YES ☒ NO

SECTION 5: EROSION AND SEDIMENT CONTROLS – BMPS

5.1 List of Erosion and Sediment BMPs on Site



CGP Requirement	Example BMPs	EPA SWPPP Guide Section	BMPs Selected (Name and Reference Number if applicable)
Preserve vegetation where possible and direct storm water to vegetated areas when feasible (CGP 2.2.2.)	Phasing to minimize disturbance, signs/fences to protect areas not being disturbed.	Chapter 4, ESC Principle 1	N/A
Install sediment controls along perimeter areas that receive pollutant discharges (CGP 2.2.3.).	Silt fence, fiber rolls, earth berms	Chapter 4, ESC Principle 7	Silt Fence
Minimize sediment track-out (CGP 2.2.4.)	Restrict access, stabilize exits, track-out pads, tire washing station, clean-up sediments	Chapter 4, ESC Principle 9	Stabilized Construction Entrance
Manage stockpiles with perimeter controls and locate away from storm water conveyances (CGP 2.2.5.)	Sediment barriers downgradient, proper location, covered stockpiles, diverting storm water from stockpiles	Chapter 4, ESC Principle 4	N/A
Minimize dust (CGP 2.2.6.)	Water application, mulching, chemical dust suppression techniques		Water Truck
Minimize steep slope disturbance (CGP 2.2.7.)	Erosion control blankets, tackifiers, protect slopes from disturbance	Chapter 4, ESC Principle 5	N/A
Preserve topsoil (CGP 2.2.8.)	Stockpile topsoil	Chapter 4, ESC Principle 1	N/A
Minimize soil compaction where final cover is vegetation (CGP 2.2.9.)	Restrict vehicle access, recondition soils before seeding		Restrict Access,
Protect storm drain inlets (CGP 2.2.10.)	Inserts, rock-filled bags, covers	Chapter 4, ESC Principle 6	Inlet Protection-Flexstorm
Slow down runoff with erosion controls and velocity dissipation devices (CGP 2.2.11.)	Check dams, riprap	Chapter 4, ESC Principle 3	N/A

Appropriately design any sediment basins or impoundments (CGP 2.2.12.)	Design to 2-year 24-hour storm or 3,600 cubic feet per acre drained, include design specifications	Chapter 4, ESC Principle 8	N/A
Follow requirements for any treatment chemicals (polymers, flocculants, coagulants, etc.)	Store in leak proof containers and cover, proper training, minimize use		N/A
Stabilize exposed portions of site with 14 days of inactivity (CGP 2.2.14).	Seeding, erosion control blankets, gravel, hydromulch	Chapter 9	N/A

5.1.1: [Silt Fence / Appendix H](#)

BMP Description/Instructions: *Installed along perimeter of site to contain sediment.*

Installation Schedule:	<i>Before construction</i>
Maintenance and Inspection:	<p><i>Inspect immediately after rainfall and at least daily during prolonged rainfall.</i></p> <p><i>Look for runoff bypassing ends and barriers or undercutting barriers.</i></p> <p><i>Repair or replace damaged areas of the barrier and remove accumulated sediment.</i></p> <p><i>To be inspected during scheduled inspections Remove accumulated sediment when it reaches ½ the height of the fence.</i></p>
Responsible Staff:	<i>Operator</i>
Design Specifications and Drawings:	<i>Appendix H</i>

5.1.2: [Stabilized Construction Entrance / Appendix H](#)

BMP Description/Instructions: *a stabilized pad of crushed stone located where construction traffic exits site.*

Installation Schedule:	<i>Before Construction</i>
Maintenance and Inspection:	<i>Inspect daily for loss of gravel or sediment build up.</i>
Responsible Staff:	<i>Operator</i>
Design Specifications and Drawings:	<i>Appendix H</i>

5.1.3: [Gator Guard / Appendix H](#)

BMP Description/Instructions: *Synthetic Wattle with an extended flap that is stapled and buried to prevent under cutting.*

Installation Schedule:	<i>As stockpiles are created throughout site.</i>
Maintenance and Inspection:	<i>Inspect immediately after rainfall and at least daily during prolonged rainfall. Look for runoff bypassing ends and barriers or undercutting barriers. Repair or replace damaged areas of the barrier and remove accumulated sediment. Remove accumulated sediment when it reaches ½ the height of the fence.</i>
Responsible Staff:	<i>Operator</i>
Design Specifications and Drawings:	<i>Appendix H</i>

5.1.4: [Water Truck / Appendix H](#)

BMP Description/Instructions: *During Construction especially during windy periods.*

Installation Schedule:	<i>N/a</i>
Maintenance and Inspection:	<i>It will be determined on an as needed basis when water is needed to inhibit the creation of dust.</i>
Responsible Staff:	<i>Operator</i>
Design Specifications and Drawings:	<i>Appendix H</i>

5.1.5: [Flexstorm Inlet Protection](#)

BMP Description/Instructions: Before initial construction for existing inlets and as soon as possible for new storm drain inlets; install at inlets in paved or unpaved areas where up-gradient area is to be disturbed by construction activities and have the potential of collecting runoff from the disturbance area.

Installation Schedule:	<i>As soon as the inlet boxes are installed on site.</i>
Maintenance and Inspection:	<i>Inspect inlet protection after every large storm event and at a minimum of once monthly Remove sediment accumulated when it reaches 25% in depth Replace or clean when needed</i>
Responsible Staff:	<i>Operator</i>
Design Specifications and Drawings:	<i>Appendix H</i>

[Repeat as needed]

5.2 Linear Site Perimeter Control Exemption

☒ Check box if section not applicable to this site

If the site is linear and perimeter controls are not feasible, describe other practices in use:

This is not a linear project

5.3 Final Stabilization

Description of final stabilization practices and schedule:

Type of stabilization (vegetation/landscaped, graveled, paved, etc.)	Location	Implementation Schedule
Concrete/Asphalt	Throughout site	Appropriate phase of construction
Landscaping	Throughout site	Upon completion of construction activities

SECTION 6: BMPS - POLLUTION PREVENTION/OPERATIONAL CONTROLS

6.1 *Spill Prevention and Response*

Describe spill procedures and materials available for expeditious containment, clean-up and disposal of spills:

- 1st Priority: Protect all people
- 2nd Priority: Protect equipment and property
- 3rd 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. Stop the spill source.
3. 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.**
4. Call co-workers and supervisor for assistance and to make them aware of the spill and potential dangers.
5. If possible, stop spill from entering drains (use absorbent or other material as necessary).
6. Stop spill from spreading (use absorbent or other material).
7. If spilled material has entered a storm sewer; contact the City Storm Water Department.
8. Clean up spilled material according to manufacturer specifications, for liquid spills use absorbent materials and do not flush area with water.
9. Properly dispose of cleaning

Identify the employee responsible for detection and response of spills and leaks:

[Ben Riley](#)

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 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)-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 Pollution Prevention Controls

CGP Requirements	Example BMPs	EPA SWPPP Guide Section	BMPs Selected (Name and Reference Number if applicable)
Equipment and vehicle fueling (CGP 2.3.1)	Spill kits, SPCCP, drip pans, locate activities away from conveyances, use secondary containment	Chapter 5, P2 Principle 4	N/A
Equipment and vehicle washing (CGP 2.3.2.)	Locating away from surface waters and storm water conveyances, directing wash waters to a sediment basin or sediment trap, using filtration devices	Chapter 5, P2 Principle 5	Stabilized Construction Entrance
Storage, handling, and disposal of building products and waste (CGP 2.3.3.)	Cover (plastic sheeting / temporary roofs), secondary containment, leakproof containers, proper dumpsters, secured portable toilets, locate away from storm water conveyances	Chapter 5, P2 Principle 1 and 2	Dumpster, spill kit, portable toilets

Washing of stucco, paint, concrete, form release oils, curing compounds, etc. (CGP 2.3.4.)	Leak proof containers, lined pits, locate away from storm water conveyances	Chapter 5, P2 Principle 3	Concrete washout
Properly apply fertilizer (CGP 2.3.5)	Follow manufacture specifications, document deviations in applications, avoid applications to frozen ground, before heavy rains, or to storm water conveyances		N/A

6.2.1.: [Waste Disposal \(Dumpster\)](#)

BMP Description/Instructions: Controlled storage and disposal of solid waste. Dumpster or similar control will be on site to collect garbage, ensure that all personnel use it properly, dispose of toxic and hazardous materials properly, and arrange for periodic disposal of collected waste at an authorized disposal location.

Installation Schedule:	<i>When waste producing activities begin</i>
Maintenance and Inspection:	<i>On-site personnel are responsible for correct disposal of waste. Collect site trash daily and deposit in covered containers</i>
Responsible Staff:	<i>Operator</i>
Design Specifications and Drawings:	<i>Appendix H</i>

6.2.2.: [Spill Kit](#)

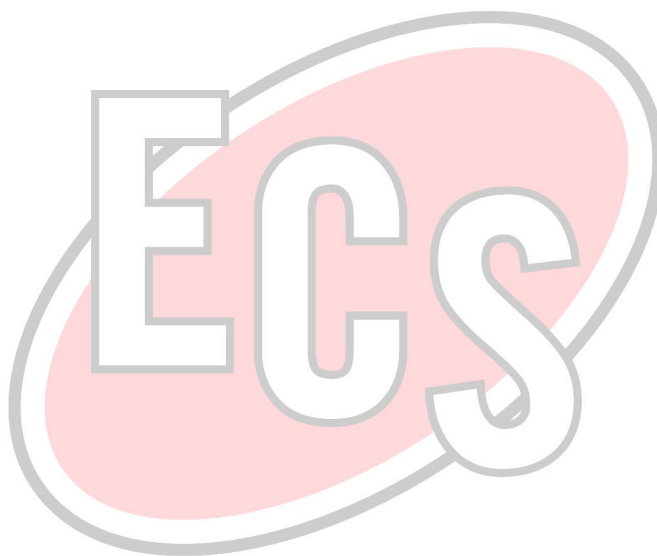
BMP Description/Instructions: A 25 Gallon spill kit will be located near the entrance or job trailer with identifying sign.

Installation Schedule:	<i>Beginning of project</i>
Maintenance and Inspection:	<i>Weekly check to make sure spill kit is present and unused. If spill kit has been used it needs to be replaced.</i>
Responsible Staff:	<i>Operator</i>
Design Specifications and Drawings:	

6.2.3.: Concrete Washout

BMP Description/Instructions: Perform washout of concrete trucks on designated areas; Do not washout concrete trucks into storm drains, open ditches, streets or streams; Intercept any concrete slurry from concrete cutting activities on the streets. Designate a wash out area on a long, flat, shallow area, or use a concrete washout pan, train employees and subcontractors.

Installation Schedule:	Before actives described activities begin.
Maintenance and Inspection:	Inspect subcontractors to ensure that concrete wastes are being properly managed.
Responsible Staff:	Operator
Design Specifications and Drawings:	



SECTION 7: SPECIAL CONDITIONS

7.1 Emergency Related Projects

Emergency-Related Project?

☐ Yes

☒ No

[This is not an emergency related project](#)

7.2 UIC Class 5 Injection Wells

☒ Check box if section not applicable to this site- [There are no wells on this site](#)

7.3 Chemical Treatment

☒ Check box if section not applicable to this site

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: [Thoroughfare Fine Sandy Loam](#)

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](#)

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 Safety Data Sheets (SDS): [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)

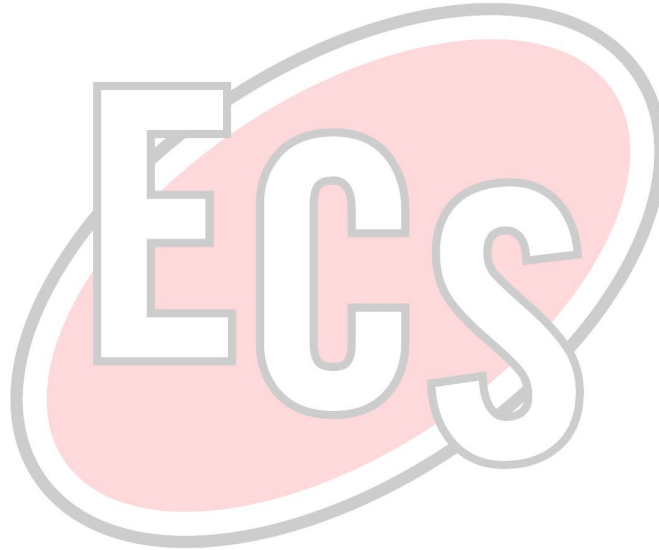
If you have been authorized by DWQ to use cationic treatment chemicals, identify the specific controls and implementation procedures you are required to implement to ensure that your use of cationic treatment chemicals will not lead to a violation of water quality standards or harm aquatic life: [N/A](#)

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](#)



SECTION 8: INSPECTIONS & CORRECTIVE ACTIONS

8.1 Inspections

Minimum Inspection Schedule Requirements:

Standard Frequency:
☐ Once every 7 calendar days.
☐ Once every 14 calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater. Rain gauge/weather station used:
Increased Frequency (if applicable):
☒ <i>Sites discharging to impaired or high quality waters: Once every 7 calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater.</i>
Decreased Frequency (if applicable):
☐ <i>Arid areas: once a month and within 24 hours of a 0.5 inch storm event or greater.</i>
☐ <i>Semi-arid areas: once a month and within 24 hours of a 0.5 inch storm event or greater during the dry season: May-October (also select the inspection schedule followed outside of the dry season).</i>
☐ <i>Frozen conditions with work suspended – must have 3 months of continuous expected frozen conditions based on historical averages: no inspections November-April (also select the inspection schedule followed when not frozen)</i>
☐ <i>Frozen conditions with continued activities - must have 3 months of continuous expected frozen conditions based on historical averages: once per month November-April (also select the inspection schedule followed when not frozen)</i>
Other:
☐ Describe alternative frequency: To meet minimum requirements

Inspection Reports are filed in Appendix C

****All Inspection cancellations must be done via email****

8.2 Corrective Actions

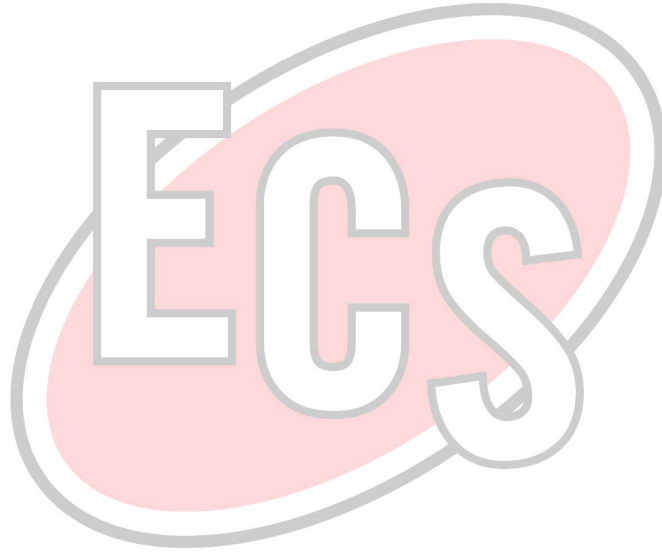
Correction Action Report is filed in Appendix D.

8.3 Delegation of Authority

See the signed delegation of authority forms in Appendix E.

SECTION 9: RECORDKEEPING

9.1 *Recordkeeping*



9.2 Log of Changes to the SWPPP

Description of the Amendment	Date of Amendment	Amendment Prepared by [Name(s) and Title]

SECTION 10: CERTIFICATION

Owner

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

Name: Sheri Griffith

Title: Owner Contact / chair

North Area Community Land Trust

Signature: 

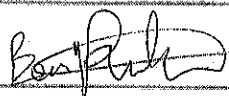
Date: 1-12-22

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: Ben Riley

Title: Project Manager

Signature: 

Date: 1-12-22

SECTION 11: SWPPP PREPARER CERTIFICATION

SWPPP Preparer

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: **Danielle Roundy**

Title: **President / RSW**

Signature: *Danielle Roundy*

Date: **1/11/2022**

SWPPP APPENDICES

Attach the following documentation to the SWPPP:

Appendix A – Site Maps

Appendix B – NOI

Appendix C – Inspection Reports

Appendix D – Corrective Action Report

***Appendix E – Subcontractor
Certifications/Agreements/Delegation of
Authority (see CGP 9.16(1)b.)***

Appendix F – Training Logs and Certifications (see CGP 6)

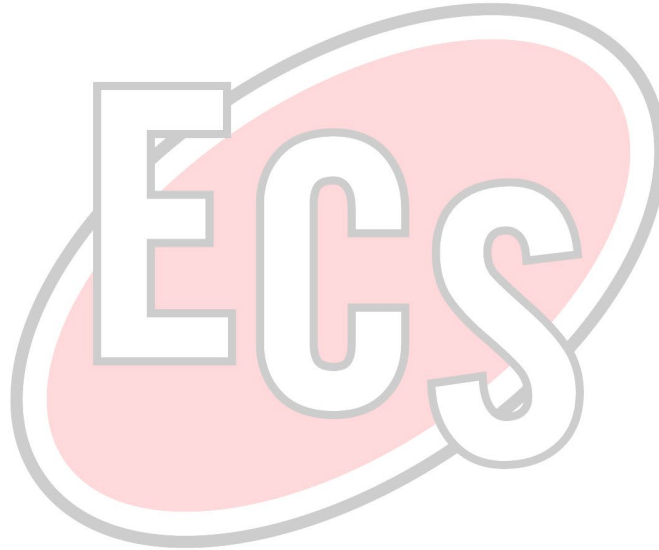
***Appendix G – Additional Information (i.e., Other permits such as
dewatering, stream alteration, wetland; and out of
date swppp documents)***

Appendix H – BMP Instruction and Detail Specifications

Appendix I – Construction General Permit

Appendix A: Site Maps

Include any site maps in this appendix. For site map requirements review SWPPP section 2.5.

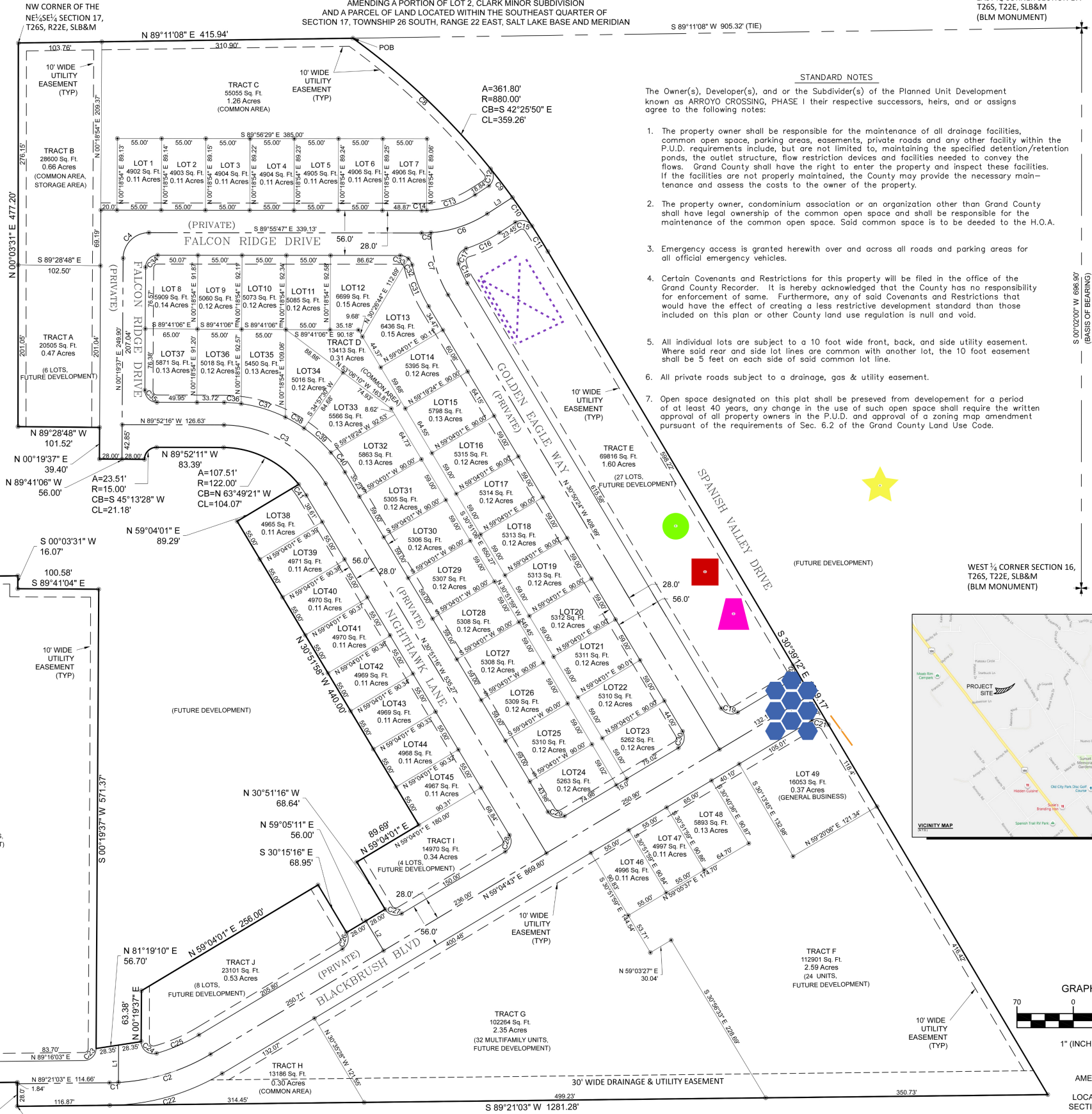


FINAL PLAT OF
ARROYO CROSSING, PHASE I
A PLANNED UNIT DEVELOPMENT,
AMENDING A PORTION OF LOT 2, CLARK MINOR SUBDIVISION
AND A PARCEL OF LAND LOCATED WITHIN THE SOUTHEAST QUARTER OF
SECTION 17, TOWNSHIP 26 SOUTH, RANGE 22 EAST, SALT LAKE BASE AND MERIDIAN

EAST ¼ CORNER SECTION 17,
T26S, T22E, SLB&M
(BLM MONUMENT)

CURVE TABLE				
CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	250.00'	11.03'	11.03'	N 88°05'11" E
C2	250.00'	121.05'	119.87'	N 72°57'01" E
C3	150.00'	152.40'	145.93'	N 59°57'40" W
C4	150.00'	150.12'	145.15'	N 45°11'54" E
C5	150.00'	11.60'	11.60'	N 87°51'18" E
C6	150.00'	74.63'	73.87'	N 71°23'08" E
C7	150.00'	81.08'	80.10'	S 15°21'16" E
C8	880.00'	236.84'	236.13'	S 46°29'55" E
C9	880.00'	44.69'	44.68'	S 37°20'01" E
C10	880.00'	42.97'	42.96'	S 34°28'49" E
C11	880.00'	37.31'	37.31'	N 31°52'01" W
C12	15.00'	25.11'	22.28'	S 09°10'18" W
C13	122.00'	63.98'	63.24'	S 72°09'16" W
C14	122.00'	6.16'	6.16'	S 88°37'25" W
C15	15.00'	23.51'	21.17'	N 77°58'29" W
C16	178.00'	46.02'	45.90'	S 64°32'20" W
C17	15.00'	23.63'	21.26'	S 26°49'32" W
C18	122.00'	26.71'	26.66'	S 24°34'03" E
C19	15.00'	23.58'	21.23'	S 75°52'50" E
C20	15.00'	23.49'	21.16'	N 14°12'46" E
C21	15.00'	23.63'	21.26'	N 75°47'14" W
C22	278.00'	146.88'	145.18'	S 74°12'53" W
C23	15.00'	23.31'	21.03'	N 44°50'20" E
C24	15.00'	27.84'	24.01'	S 52°51'00" E
C25	214.38'	55.73'	55.57'	N 65°45'13" E
C26	15.00'	23.58'	21.23'	N 14°01'52" E
C27	15.00'	23.58'	21.23'	S 75°53'17" E
C28	15.00'	23.54'	21.20'	N 14°06'43" E
C29	15.00'	23.58'	21.23'	S 75°53'17" E
C30	15.00'	23.54'	21.20'	N 14°07'10" E
C31	178.00'	55.76'	55.53'	N 21°51'56" W
C32	15.00'	9.23'	9.09'	N 30°31'17" W
C33	15.00'	10.94'	10.70'	N 69°02'27" W
C34	15.00'	23.49'	21.17'	S 45°11'55" W
C35	15.00'	23.61'	21.25'	S 44°46'20" E
C36	176.86'	21.26'	21.25'	S 85°42'44" E
C37	174.12'	57.70'	57.43'	S 72°54'31" E
C38	147.91'	26.95'	26.91'	S 59°22'35" E
C39	186.59'	45.07'	44.94'	S 47°47'24" E
C40	167.43'	30.06'	30.02'	S 35°52'36" E
C41	122.00'	17.30'	17.28'	N 34°54'58" W

LINE TABLE	
LINE BEARING	DISTANCE
L1 N 00°19'37" E	46.47'
L2 N 30°51'16" W	43.00'
L3 N 57°07'55" E	37.24'



STANDARD NOTES
The Owner(s), Developer(s), and or the Subdivider(s) of the Planned Unit Development known as ARROYO CROSSING, PHASE I their respective successors, heirs, and or assigns agree to the following notes:

- The property owner shall be responsible for the maintenance of all drainage facilities, common open space, parking areas, easements, private roads and any other facility within the P.U.D. requirements include, but are not limited to, maintaining the specified detention/retention ponds, the outlet structure, flow restriction devices and facilities needed to convey the flows. Grand County shall have the right to enter the property and inspect these facilities. If the facilities are not properly maintained, the County may provide the necessary maintenance and assess the costs to the owner of the property.
- The property owner, condominium association or an organization other than Grand County shall have legal ownership of the common open space and shall be responsible for the maintenance of the common open space. Said common space is to be deeded to the H.O.A.
- Emergency access is granted herewith over and across all roads and parking areas for all official emergency vehicles.
- Certain Covenants and Restrictions for this property will be filed in the office of the Grand County Recorder. It is hereby acknowledged that the County has no responsibility for enforcement of same. Furthermore, any of said Covenants and Restrictions that would have the effect of creating a less restrictive development standard than those included on this plan or other County land use regulation is null and void.
- All individual lots are subject to a 10 foot wide front, back, and side utility easement. Where said rear and side lot lines are common with another lot, the 10 foot easement shall be 5 feet on each side of said common lot line.
- All private roads subject to a drainage, gas & utility easement.
- Open space designated on this plat shall be preserved from development for a period of at least 40 years, any change in the use of such open space shall require the written approval of all property owners in the P.U.D. and approval of a zoning map amendment pursuant of the requirements of Sec. 6.2 of the Grand County Land Use Code.

SURVEYOR'S CERTIFICATE

I, Lucas Blake, do hereby certify that I am a Professional Land Surveyor, and that I hold License No. 7540504, as prescribed under the laws of the State of Utah. I further certify that by authority of the owners, I have made a survey of the tract of land shown on this plat and described hereon, and have subdivided said tract of land into lots and streets, together with easements, hereafter to be known as

ARROYO CROSSING, PHASE I

and that the same has been correctly surveyed and monumented on the ground as shown on this plat.

Lucas Blake
License No. 7540504

Date

BOUNDARY DESCRIPTION

Beginning at a point on the westerly right-of-way of Spanish Valley Drive, said point being South 89°11'08" West 905.32 feet from the East Quarter corner of Section 17, Township 26 South, Range 22 East, Salt Lake Base and Meridian, and proceeding with said right-of-way thence with a curve having a radius of 880.00 feet, to the right with an arc length of 361.80 feet, (a chord bearing of South 42°25'50" East 359.26 feet); thence South 30°39'12" East 1219.17 feet to a point on the McKnight Properties Industrial Subdivision north boundary; thence along said boundary South 89°21'03" West 1281.28 feet to the Southwest corner of the NE¼SE¼ of said Section 17; thence North 00°03'31" East 29.84 feet to a corner on a Grand County road right-of-way; thence along said right-of-way South 89°26'36" West 225.14 feet to the southeast corner of The General Distributing Company Tract; thence along said Tract North 00°03'31" East 629.70 feet to a point on the Starbuck Tract; thence along said Tract North 89°22'04" East 225.12 feet; thence South 00°03'31" West 16.07 feet; thence South 89°41'04" East 100.58 feet; thence South 00°19'37" West 571.37 feet; thence North 81°04'01" East 56.70 feet; thence North 00°19'37" East 63.38 feet; thence North 59°04'01" East 256.00 feet; thence South 30°51'16" East 68.95 feet; thence North 59°05'11" East 56.00 feet; thence North 30°51'16" West 68.64 feet; thence North 59°04'01" East 89.69 feet; thence North 30°51'58" West 440.00 feet; thence North 59°04'01" East 89.29 feet; thence with a curve having a radius of 122.00 feet, to the left with an arc length of 107.51 feet, (a chord bearing of North 63°49'21" West 104.07 feet); thence North 89°52'11" West 83.39 feet; thence with a curve having a radius of 15.00 feet, to the left with an arc length of 23.51 feet, (a chord bearing of South 45°13'28" West 21.18 feet); thence North 89°41'06" West 56.00 feet; thence North 00°19'37" East 39.40 feet; thence North 89°28'48" West 101.52 feet; thence North 00°03'31" East 477.20 feet to Northwest corner of the NE¼SE¼ of said Section 17; thence along the north line of said Section 17 North 89°11'08" East 415.94 feet to the point of beginning, having an area of 25.53 acres, more or less.

OWNER'S DEDICATION

Know all men by these presents that the undersigned are the owners of the above described tract of land, and hereby cause the same to be divided into lots, parcels and streets, together with easements as set forth to be hereafter known as

ARROYO CROSSING, PHASE I

Do hereby convey to and all public utility companies a perpetual, non-exclusive easement over the public utility easements shown on this plat, the same to be used for the installation, maintenance and operation of utility lines and facilities. The undersigned owners also hereby convey any other easements as shown on this plat to the parties indicated and for the purposes shown hereon.

ACKNOWLEDGMENT

STATE OF _____ } S.S.
COUNTY OF _____ }

ON THE _____ DAY OF _____ 20____, PERSONALLY APPEARED BEFORE ME,

_____ WHOM DID ACKNOWLEDGE
TO ME THAT THEY SIGNED THE FOREGOING OWNER'S DEDICATION FREELY AND VOLUNTARILY AND FOR THE USES AND PURPOSES STATED THEREIN.

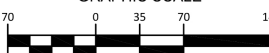
NOTARY PUBLIC
NOTARY PUBLIC FULL NAME: _____
COMMISSION NUMBER: _____
MY COMMISSION EXPIRES: _____

SURVEY NARRATIVE

The property has been accurately surveyed with the intent to subdivide land. The basis of bearing is S 00°02'00" W between the E1/4 corner of Section 17 and W1/4 corner of Section 16, Township 26 South, Range 22 East, Salt Lake Base and Meridian.

5/8" x 24" rebar with survey cap to be placed at all lot corners or rights of way. Off-set pins to be placed in the back of the curb where applicable, in lieu of rebar and cap at front corners.

GRAPHIC SCALE



1" (INCH) = 70' (FEET)

A PLANNED UNIT DEVELOPMENT,
AMENDING A PORTION OF LOT 2, CLARK MINOR
SUBDIVISION AND A PARCEL OF LAND
LOCATED WITHIN THE SOUTHEAST QUARTER OF
SECTION 17, TOWNSHIP 26 SOUTH, RANGE 22 EAST
SALT LAKE BASE AND MERIDIAN



30 South 100 East
Moab, UT 84532
435.259.8171

Project 042-19

Date 9/8/19

Sheet 1 OF 1

COUNTY ENGINEERS APPROVAL
APPROVED BY THE GRAND COUNTY ENGINEER THIS _____ DAY OF _____, 20____.

COUNTY ENGINEER

COUNTY COUNCIL APPROVAL
PRESENTED TO THE GRAND COUNTY COUNCIL THIS _____ DAY OF _____, 20____. SUBDIVISION APPROVED.

COUNTY CLERK

CHAIRMAN, GRAND COUNTY COUNCIL

COUNTY RECORDER NO. _____

STATE OF UTAH, GRAND COUNTY, RECORDED AT THE REQUEST OF _____

DATE _____ BOOK _____ PAGE _____ FEE _____

COUNTY RECORDER

LEGEND

- Property Corner
- Section Corner Monument



 Stabilized Construction Entrance (1)

 SWPPP signage (1)

 Concrete washout (1)

 Portable Toilet (1)

 Dumpster (1)

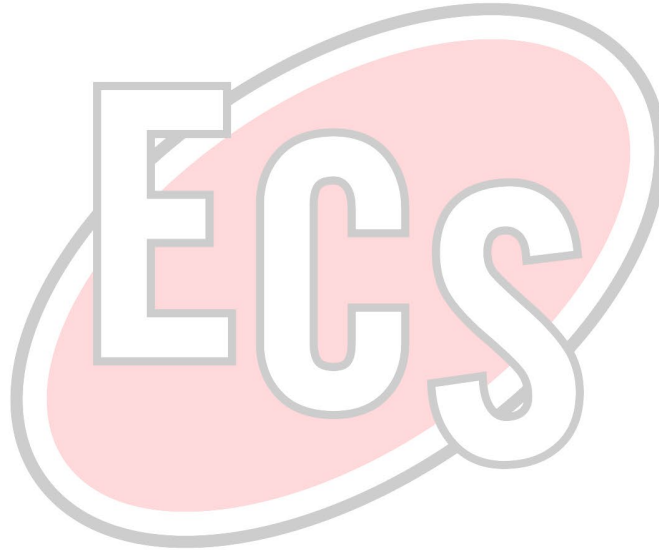
 Storage area (2)

 Inlet Protection-when needed (1)

BMP's location change according to construction activities

Appendix B: NOI

Include a copy of your NOI in this appendix. The NOI must be signed.



STATE OF UTAH, DEPARTMENT OF ENVIRONMENTAL QUALITY, DIVISION OF WATER QUALITY 195 North 1950 West, P.O. Box 144870 Salt Lake City, Utah 84114-4870 (801)-536-4300		
 UTAH DEPARTMENT of ENVIRONMENTAL QUALITY WATER QUALITY	Authorization to Discharge under the Construction General Permit (CGP) for Storm Water Discharges Associated with Construction Activity	CGP

The Utah Division of Water Quality (DWQ) is in receipt of the Notice of Intent (NOI) requesting coverage for Arroyo Crossing, Spanish Valley Drive and Bonnie's Way, Moab, UT 84532 under the Construction General Permit for Storm Water Discharges (CGP). As of 01/14/2022, this facility is authorized to discharge storm water, provided that all discharges are in compliance with the requirements of the current CGP. This includes development and implementation of a storm water pollution prevention plan, conducting self-inspections, training, visual assessments of discharges, and potentially analytical monitoring. Please keep a copy of this Authorization to Discharge on site with your NOI.

An annual fee is required each calendar year to maintain coverage. If the fee is paid and the facility complies with the permit terms, then the coverage will remain effective until 01/13/2023. At that time the NOI will need to be re-certified and a new Authorization to Discharge will be issued.

Your electronic signature on the NOI form certifies that you have read, understood, and are implementing all of the applicable requirements. An important aspect of this certification requires that you have correctly determined whether you are eligible for coverage under this permit. This authorization does not represent a determination by DWQ regarding the validity of the information provided on the NOI. A copy of the NOI submission can be downloaded at this link: <https://npdes-ereporting.epa.gov/net-cgp/api/public/v1/form/1448289/attachment/zip>.

Site Details

UPDES Permit Number: UTRC04177

Project/Site Name: Arroyo Crossing

Project/Site Address: Spanish Valley Drive and Bonnie's Way, Moab, UT 84532

Effective Date: 01/14/2022

Expiration Date: 01/13/2023

STATE OF UTAH, DEPARTMENT OF ENVIRONMENTAL QUALITY, DIVISION OF WATER QUALITY
195 North 1950 West, P.O Box 144870, Salt Lake City, UT 84114-4870 (801)536-4300UTAH DEPARTMENT of
ENVIRONMENTAL QUALITY
**WATER
QUALITY**Notice of Intent (NOI) for Storm Water Discharges Associated with Construction
Activity Under the Construction General Permit (CGP) UPDES General Permit
No. UTRC00000**NOI**

Permit Information

Master Permit Number: UTRC00000UPDES ID: UTRC04177State/Territory to which your project/site is discharging: UTIs your project/site located on federally recognized Indian Country Lands? NoWhich type of form would you like to submit? Notice of Intent (NOI)Have stormwater discharges from your project/site been covered previously under an UPDES permit? Yes✎ Your most current UPDES Permit Number (permit tracking number) if you had coverage under Utah's CGP 2008 or UPDES permit number if you had coverage under UPDES individual permit:
UTR397721Has a Stormwater Pollution Prevention Plan (SWPPP) been prepared in advance of filling this NOI, as required? Yes

Owner/Operator Information

Owner Information

Owner: Moab Area Community Land TrustStatus of Owner: Public

Owner Mailing Address:

Address Line 1: PO Box 1383

Address Line 2:

City: MoabZIP/Postal Code: 84532State: UT

Owner Point of Contact Information

First Name Middle Initial Last Name: Sheri GriffithTitle: Owner ContactPhone: 435-260-1148

Ext.:

Email: sherigriffith@gmail.com

Operator Information

Is the Operator Information the same as the Owner Information? NoOperator: Housing Authority of Southeastern Utah

Operator Mailing Address:

Address Line 1: 321 East Center

Address Line 2:

City: MoabZIP/Postal Code: 84321State: UT

Operator Point of Contact Information

First Name Middle Initial Last Name: Ben RileyTitle: operatorPhone: 435-260-2677

Ext.:

Email: briley@hasuhomes.org

NOI Preparer Information

☒ This NOI is being prepared by someone other than the certifier.First Name Middle Initial Last Name: Colleen R MatelskiOrganization: Erosion Control ServicesPhone: (801) 302-3021

Ext.:

Email: renem@erosioncontrolservices.net

Project/Site Information

Project/Site Name: Arroyo Crossing

Project Number:

Project/Site Address

Address Line 1: Spanish Valley Drive and Bonnie's Way

Address Line 2:

City: Moab

ZIP/Postal Code: 84532

State: UT

County or Similar Division: Grand

Have you submitted a Fugitive Dust Control Plan to UT Division of Air Quality? Yes

Latitude/Longitude for the Project/Site

Coordinate System: Decimal Degrees

Latitude/Longitude: 38.5422°N, 109.508437°W

Estimated Project Start Date: 01/17/2022

Estimated Project End Date: 05/28/2027

Total Area of Plot (in Acres): 15.1

Estimated Area to be Disturbed (in Acres): 15.1

Proposed Best Management Practices

☒ **Silt Fence/Straw Wattle/Perimeter Controls**

☒ **Other**

Residential

Proposed Good Housekeeping Practices

☒ **Sanitary/Portable Toilet**

☒ **Washout Areas**

☒ **Garbage/Waste Disposal**

☒ **Non-Storm Water**

☒ **Track Out Controls**

☒ **Spill Control Measures**

Site Construction Types

☒ **Residential**

Site Activity Information



Municipal Separate Storm Sewer System (MS4) Operator Name: Not Applicable

Receiving Water Body: Pack Creek

This is known

What is the estimated distance to the nearest water body? 0.5

Unit: Miles

Is the receiving water designated as impaired? Yes

Will any part of the project area be located within 50 feet of any Water of the State? No

Does this project site have any other UPDES permits? No

Subdivision Information



Is this project involved in the development of a subdivision? Yes

Lot Number	Status
1	Active
2	Active
3	Active
4	Active
5	Active
6	Active
7	Active
8	Active
9	Active
10	Active
11	Active
12	Active
13	Active
14	Active
15	Active
16	Active
17	Active
18	Active
19	Active
20	Active

21	Active
22	Active
23	Active
24	Active
25	Active
26	Active
27	Active
28	Active
29	Active
30	Active
31	Active
32	Active
33	Active
34	Active
35	Active
36	Active
37	Active
38	Active
39	Active
40	Active
41	Active
42	Active
43	Active
44	Active
45	Active
46	Active
47	Active
48	Active
49	Active

Certification Information

▼

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 have no personal knowledge that the information submitted is other than 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. Signing an electronic document on behalf of another person is subject to criminal, civil, administrative, or other lawful action.

Certified By: Sheri Griffith

Certifier Title: Board Chair

Certifier Email: sherigriffith@gmail.com

Certified On: 01/14/2022 4:04 PM ET

Appendix C: Inspection Reports

Place all completed inspection reports in this appendix. You may also put blank inspection reports here to be completed.

You are encouraged to create your own inspection forms for each site. Inspection reports must have the following information:

- 1) The inspection date.
- 2) The UPDES ID number (UTRXXXXX).
- 3) Name and title of personnel making the inspections.
- 4) Summary of inspection findings and any necessary corrective actions:
 - a. Are storm water controls properly installed and operational? If failed then why?
 - b. Presence of any conditions that could lead to spills or leaks.
 - c. Locations where new or modified controls are necessary.
 - d. Signs of visible erosion or sediment depositing related to your discharges.
 - e. Any incidents of noncompliance.
 - f. Visual quality of any discharges occurring.
- 5) Rainfall amount if the inspection was triggered by a precipitation event.
- 6) If it was unsafe to inspect any areas of the site, a description of the area and reason.



Inspection Report

Contractor: _____

Site Name and Location _____

Current Weather Conditions _____ Last Rain Event >.5" _____

Site Description _____

Site Super: _____ Contact Number: _____

BMP	OK / NOT OK	BMP Condition	Recommended Action
Is the SWPPP accessible and onsite?			
Has the SWPPP and related documents been updated?			
5.2 - Perimeter Control - Is the perimeter control effective & installed / being maintained correctly?			
5.3 Street Sweeping - Is there evidence of sediment leaving site on impervious surfaces?			
5.4 Stabilized Construction Entrance - Is the Track out effective & does it require maintenance?			
5.6 Stockpiles - Are stockpiles contained on site? Off of impervious surface?			
5.7 Dust Control - Is site producing dust?			
6.1 Spill Kit - Located on site in accessible location?			
6.2 Dumpster - Less than 75% capacity?			
6.2 Portable Toilets - 10-12' away from storm drain? Secured to ground?			
6.3 Concrete Washout - Less than 75% capacity?			
6.8 Inlet Protection - Evidence of sediment/debris entering basin?			
Are inspection being performed at predetermined intervals and by qualified persons?			

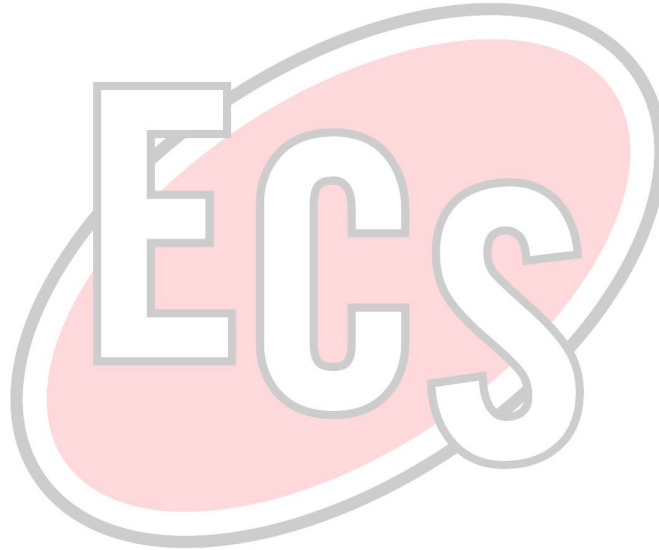
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those person 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: _____ Certification: _____

Signature: _____ Date: _____

Appendix D: Corrective Action Report

An example corrective action report has been included in this appendix. Review SWPPP section 8.2 for corrective action requirements. You can also create your own form or include corrective actions on your inspection form.

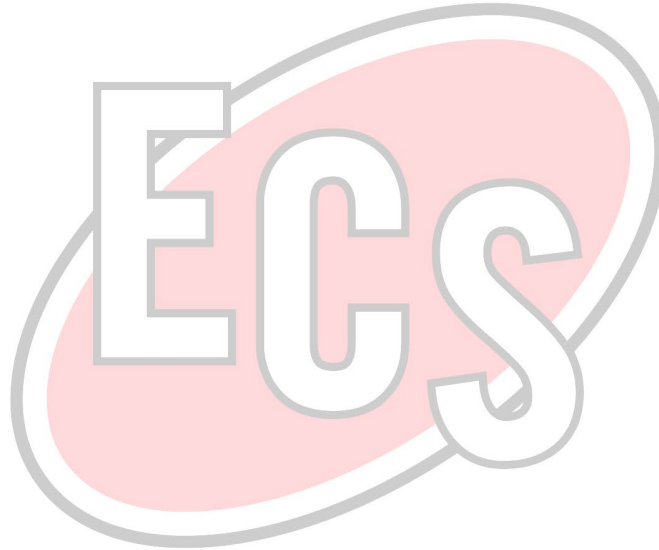


Appendix D – Corrective Action Report

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

Appendix E: Subcontractor Certifications/Agreements/Delegation of Authority (CGP 9.16.(1)b.)

A sample subcontractor agreement form and delegation of authority form have been included in this appendix. If these are used, keep complete signed forms here.



SUBCONTRACTOR CERTIFICATION
STORM WATER POLLUTION PREVENTION PLAN

Project Number: _____

Project Title: _____

Operator(s): _____

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

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

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

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

Company: _____

Address: _____

Telephone Number: _____

Type of construction service to be provided: _____

Signature: _____

Title: _____

Date: _____

Delegation of Authority

I, **Sheri Griffith**, hereby designate the person or specifically described position below to be a duly authorized representative for the purpose of overseeing compliance with environmental requirements, including the UPDES "General Permit for Storm Water Discharges Associated with Construction Activity" (CGP), at the construction site:

Arroyo Crossing, Permit No. UTRC

The designee is authorized to sign all reports required by the Permit and other information requested by the Director of the Utah Division of Water Quality, or by an authorized representative of the Executive Secretary.

Kaitlin Myers

Moab Area Community Land Trust

PO Box 1383

Moab, Utah 84532

813-541-9616

By signing this authorization, I confirm that I meet the requirements to make such a designation as set forth in Part 9.16 of the CGP, and that the designee above meets the definition of a "duly authorized representative" as set forth in Part 9.16.b. of the CGP.

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 gather and evaluate 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.

Sheri Griffith

Owner Contact

Signature: Sheri Griffith

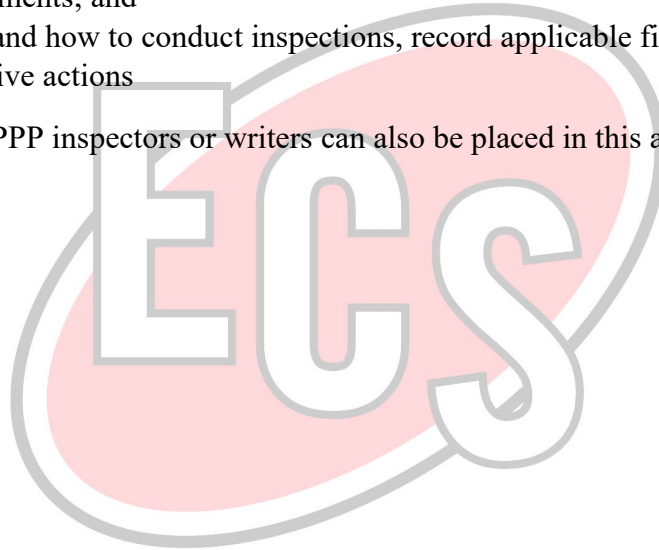
Date: 1-12-22

Appendix F: Training Logs and Certifications (see CGP 6)

A sample training log has been included in this appendix to keep track of trainings that have been provided. At a minimum, storm water team members that require training should be provided with the following if it relates to their duties (CGP Part 6.3.):

- The permit deadlines associated with installation, maintenance, and removal of storm water controls and with stabilization;
- The location of all storm water controls on the site required by this permit and how they are to be maintained;
- The proper procedures to follow with respect to the permit's pollution prevention requirements; and
- When and how to conduct inspections, record applicable findings, and take corrective actions

Certifications for SWPPP inspectors or writers can also be placed in this appendix.



Appendix F –SWPPP Training Log

Storm Water Pollution Prevention Training Log

Project Name: **Arroyo Crossing**

Project Location: **Moab Utah**

Instructor's Name(s):

Instructor's Title(s):

Course Location: _____ Date: _____

Course Length (hours): _____

Storm Water Training Topic: *(check as appropriate)*

☐ Erosion Control BMPs

☐ Emergency Procedures

☐ Sediment Control BMPs

☐ Good Housekeeping BMPs

☐ Non-Storm Water BMPs

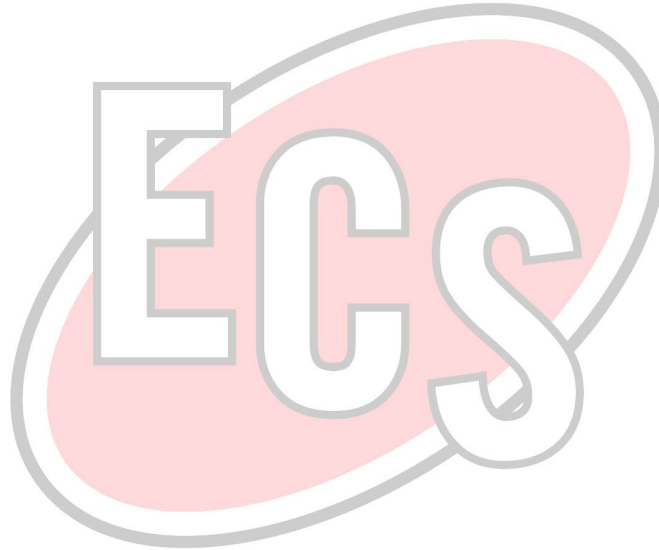
Specific Training Objective: _____

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

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

Appendix G: Additional Information

Use this appendix for additional information such as other permits (dewatering, stream alteration, etc.) or out of date SWPPP documents.



Review Plan

Applicant Information

[EDIT](#)

Applicant Type	Sub Contractor
Name	Erosion Control Services
Mailing Address	PO Box 1154
City	Riverton
State	Utah
Zip	84065
Phone	801-302-3021
Email	renem@erosioncontrolservices.net

Project Information

[EDIT](#)

Project Name	Arroyo Crossing
Address	Spanish Valley Drive & Bonnies Way
City	Moab
State	Utah
Zip	84532
County	Grand
Acreage	15.1

Point of Contact

[EDIT](#)

Name	Ben Riley
Company	Housing Authority of Southeastern Utah
Address	321 East Center St
City	Moab
State	Utah
Zip	84532
Phone	435-260-1148

BMP 06 Selections

[EDIT](#)

06-01. Pre-water and maintain surface soils in a stabilized condition.	06-01. Pre-water and maintain surface soils in a stabilized condition.
06-02. Apply and maintain a chemical stabilizer to surface soils.	false
06-03. Dig a test hole to depth of cut or equipment penetration to determine if soils are moist at depth. Continue to pre-water if not moist to depth of cut.	06-03. Dig a test hole to depth of cut or equipment penetration to determine if soils are moist at depth. Continue to pre-water if not moist to depth of cut. *
06-04. Apply water to depth of cut prior to subsequent cuts.	06-04. Apply water to depth of cut prior to subsequent cuts. *
06-05. Water disturbed soils to maintain moisture.	06-05. Water disturbed soils to maintain moisture.
06-06. Apply and maintain a chemical stabilizer on disturbed soils to form crust following fill and compaction.	false
06-07. Apply cover (natural or synthetic).	06-07. Apply cover (natural or synthetic).

BMP 09 Selections

EDIT

09-01. Limit disturbance of soils with the use of fencing, barriers, barricades, and/or wind barriers.	09-01. Limit disturbance of soils with the use of fencing, barriers, barricades, and/or wind barriers.
09-02. Limit vehicle mileage and reduce speed.	09-02. Limit vehicle mileage and reduce speed.
09-03. Apply water to stabilize disturbed soils. Soil moisture must be maintained such that soils can be worked without generating fugitive dust.	09-03. Apply water to stabilize disturbed soils. Soil moisture must be maintained such that soils can be worked without generating fugitive dust.
09-04. Apply and maintain a chemical stabilizer.	false
09-05. Use wind breaks.	false
09-06. Apply cover (natural or synthetic).	false

BMP 10 Selections

EDIT

10-01. Prevent access by fencing, ditches, vegetation, berms or other suitable barrier.	10-01. Prevent access by fencing, ditches, vegetation, berms or other suitable barrier. *
10-02. Apply and maintain a chemical stabilizer on disturbed soils.	false
10-03. Stabilize disturbed soil with vegetation.	false
10-04. Pave or apply surface rock.	false
10-05. Use wind breaks.	false
10-06. Apply water and maintain soil moisture sufficient to avoid generating fugitive dust.	10-06. Apply water and maintain soil moisture sufficient to avoid generating fugitive dust.

BMP 11 Selections

EDIT

11-01. Apply and maintain water/chemical suppressant to operational areas and haul routes.

11-01. Apply and maintain water/chemical suppressant to operational areas and haul routes.

11-02. Limit vehicle mileage and speed.

11-02. Limit vehicle mileage and speed.

11-03. Use tarps or other suitable enclosures on haul trucks.

11-03. Use tarps or other suitable enclosures on haul trucks.

11-04. Apply water prior to transport

11-04. Apply water prior to transport

11-05. Clean wheels.

11-05. Clean wheels.

11-06. Sweep or water haul road.

11-06. Sweep or water haul road.

BMP 15 Selections

EDIT

15-01. Limit vehicle mileage and speed limit.

15-01. Limit vehicle mileage and speed limit.

15-02. Apply water on all vehicle traffic areas in the staging areas and unpaved access routes.

15-02. Apply water on all vehicle traffic areas in the staging areas and unpaved access routes.

15-03. Pre-water and maintain surface soils in a stabilized condition.

15-03. Pre-water and maintain surface soils in a stabilized condition.

15-04. Apply and maintain a chemical stabilizer to surface soils.

false

15-05. Apply a chemical stabilizer.

false

15-06. Apply screened or washed aggregate.

false

15-07. Use wind breaks.

false

15-08. Pave.

15-08. Pave.

15-09. Completed project will cover staging area with buildings, paving, and/or landscaping.

15-09. Completed project will cover staging area with buildings, paving, and/or landscaping.

15-10. Apply water to form adequate crust and prevent access.

15-10. Apply water to form adequate crust and prevent access.

BMP 16 Selections

EDIT

16-01. Pre-water and maintain surface soils in a stabilized condition.

16-01. Pre-water and maintain surface soils in a stabilized condition.

16-02. Apply and maintain a chemical stabilizer on surface soils.

false

16-03. Pave area.

16-03. Pave area.

16-04. Remove material from the downwind side of the stockpile, when safe to do so.

16-04. Remove material from the downwind side of the stockpile, when safe to do so.

16-05. Reduce height.

16-05. Reduce height.

16-06. Create wind screen

false

16-07. Water stockpiles to form a crust immediately.

16-07. Water stockpiles to form a crust immediately.

16-08. Apply and maintain a chemical stabilizer to all outer surfaces of the stockpiles.	false
16-09. Provide and maintain wind barriers on 3 sides of the pile.	false
16-10. Apply a cover (natural or synthetic)	false
16-11. Wind screen.	false
16-12. Avoid steep sides to prevent material sloughing.	16-12. Avoid steep sides to prevent material sloughing.
16-13. Reduce height.	16-13. Reduce height.

BMP 18 Selections

EDIT

18-01. Clean trackout at the end of the work shift from paved surfaces to maintain dust control	18-01. Clean trackout at the end of the work shift from paved surfaces to maintain dust control
18-02. Maintain dust control during working hours and clean trackout from paved surfaces at the end of the work shift/day.	18-02. Maintain dust control during working hours and clean trackout from paved surfaces at the end of the work shift/day.
18-03. Install gravel pad(s), clean, well-graded gravel or crushed rock. Minimum dimensions must be 30 feet wide by 3 inches deep, and, at minimum, 50' or the length of the longest haul truck, whichever is greater. Re-screen, wash or apply additional rock in gravel pad to maintain effectiveness.	18-03. Install gravel pad(s), clean, well-graded gravel or crushed rock. Minimum dimensions must be 30 feet wide by 3 inches deep, and, at minimum, 50' or the length of the longest haul truck, whichever is greater. Re-screen, wash or apply additional rock in gravel pad to maintain effectiveness.
18-04. Install wheel shakers. Clean wheel shakers on a regular basis to maintain effectiveness.	false
18-05. Install wheel washers. Maintain wheel washers on a regular basis to maintain effectiveness.	false
18-06. Motorized vehicles will only operate on paved surfaces.	false
18-07. Install cattle guard before paved road entrance.	false
18-08. Clearly establish and enforce traffic patterns to route traffic over selected trackout control device(s).	18-08. Clearly establish and enforce traffic patterns to route traffic over selected trackout control device(s).
18-09. Limit site accessibility to routes with trackout control devices in place by installing effective barriers on unprotected routes.	18-09. Limit site accessibility to routes with trackout control devices in place by installing effective barriers on unprotected routes.

BMP 19 Selections

EDIT

19-01. Limit vehicle mileage and speeds.	19-01. Limit vehicle mileage and speeds.
19-02. Apply and maintain water on surface soils.	19-02. Apply and maintain water on surface soils.
19-03. Apply and maintain chemical stabilizers on surface soils.	false

19-04. Apply and maintain gravel on surface soils.

false

19-06. Apply recycled asphalt (RAP) to surface soils.

false

19-05. Supplement chemical stabilizers, water or aggregate applications as necessary.

false

BMP 21 Selections

[EDIT](#)

21-01. Pre-water and maintain surface soils in a stabilized condition where loaders, support equipment and vehicles will operate.

21-01. Pre-water and maintain surface soils in a stabilized condition where loaders, support equipment and vehicles will operate.

21-02. Apply and maintain a chemical stabilizer on surface soils where loaders, support equipment and vehicles will operate.

false

21-03. Empty loader bucket slowly and keep loader bucket close to the truck to minimize the drop height while dumping.

21-03. Empty loader bucket slowly and keep loader bucket close to the truck to minimize the drop height while dumping.

Print this page for your records or save it as a PDF as specified by your browser or operating system.

By submitting this plan I agree to the following terms:

A. I am authorized, on behalf of the individual or company listed in Section 1, as Applicant, to apply for a Fugitive Dust Control Plan and to commit to all of the terms and conditions of the requested plan.

B. Construction activities will be limited to lands that the applicant either owns or is authorized to use for construction activities.

C. The applicant accepts responsibility for assuring that all contractors, subcontractors, and all other persons on the construction site covered by this plan, comply with the terms and conditions of the Fugitive Dust Control Plan.

D. I understand that any false material statement, representation or certification made in this application may invalidate the plan or cause me to be subject to enforcement action pursuant to Utah Code Ann. 19-2-115. E. Failure to comply with fugitive dust rules may result in compliance action and penalties up to \$10,000 per violation/day.

☐ My plan is ready to be submitted. *

[<](#)[PREVIOUS](#)[SUBMIT PLAN](#)[>](#)[UTAH.GOV HOME](#)[UTAH.GOV TERMS OF USE](#)[UTAH.GOV PRIVACY POLICY](#)[TRANSLATE UTAH.GOV](#)

Soil Map—Canyonlands Area, Utah - Parts of Grand and San Juan Counties



MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygons

Soil Map Unit Lines

Soil Map Unit Points

Special Point Features

Blowout

Borrow Pit

Clay Spot

Closed Depression

Gravel Pit

Gravelly Spot

Landfill

Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

Saline Spot

Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

Sodic Spot

Spoil Area

Stony Spot

Very Stony Spot

Wet Spot

Other

Special Line Features

Water Features

Streams and Canals

Transportation

Rails

Interstate Highways

US Routes

Major Roads

Local Roads

Background

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Canyonlands Area, Utah - Parts of Grand and San Juan Counties
Survey Area Data: Version 16, Sep 7, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Dec 31, 2009—Jun 2, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
88	Thoroughfare fine sandy loam,2 to 8 percent slopes	22.8	100.0%
Totals for Area of Interest		22.8	100.0%

Google Maps

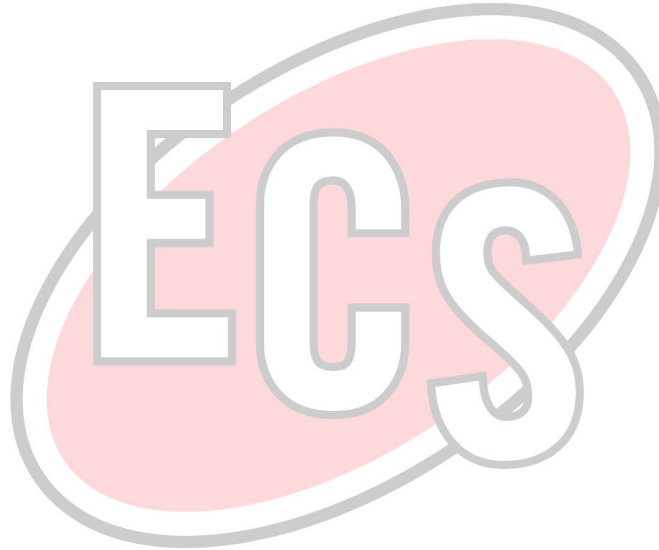
38°32'28.8"N 109°30'32.4"W

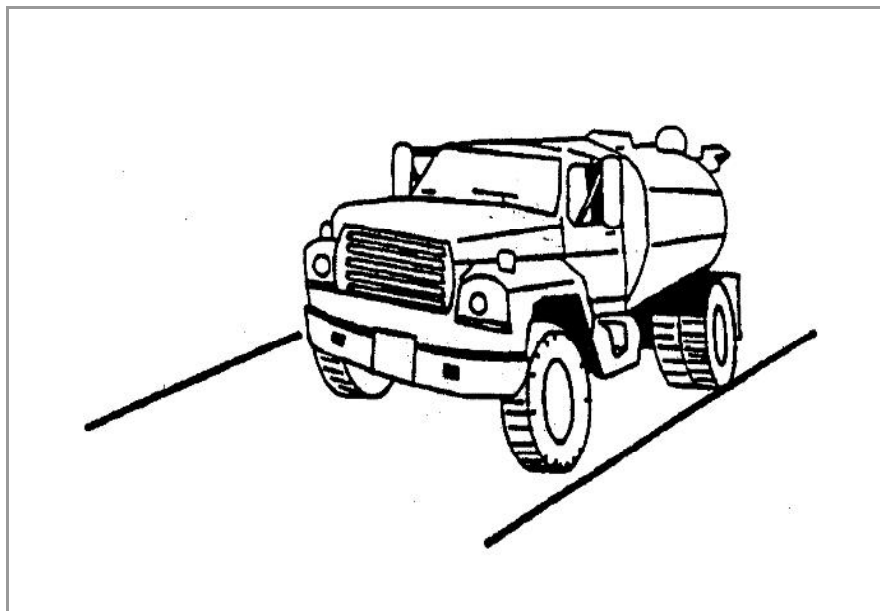


Imagery ©2022 Google, Imagery ©2022 Maxar Technologies, State of Utah, USDA Farm Service Agency, Map data ©2022 Google 500 ft

Appendix H: BMP Instruction and Detail Specifications

Use this appendix if complete BMP specifications are not provided in Section 5 or 6 of the SWPPP.



**DESCRIPTION:**

Dust control measures are used to stabilize soil from wind erosion, and reduce dust by construction activities.

APPLICATION:

Dust control is useful in any process area, loading and unloading area, material handling areas, and transfer areas where dust is generated. Street sweeping is limited to areas that are paved.

INSTALLATION/APPLICATION CRITERIA:

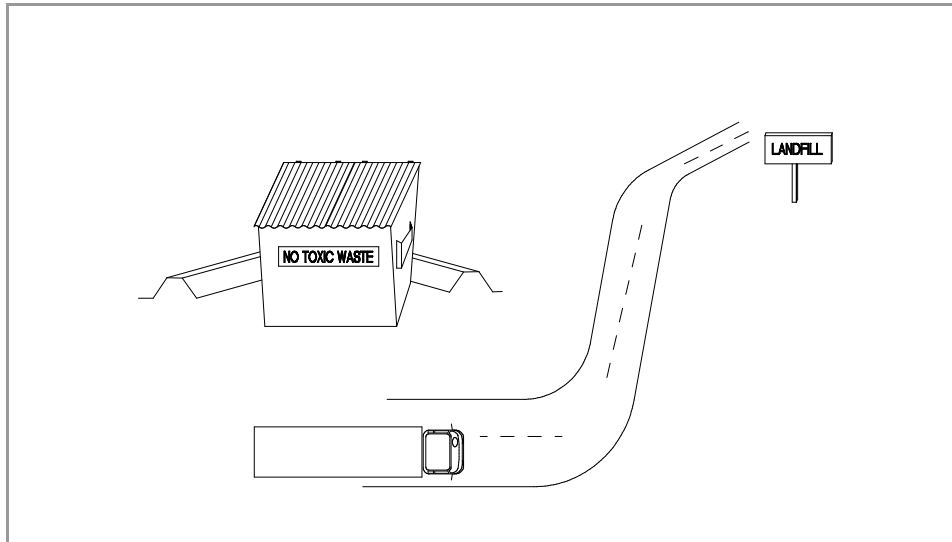
- ◆ Mechanical dust collection systems are designed according to the size of dust particles and the amount of air to be processed. Manufacturers' recommendations should be followed for installation (as well as the design of the equipment).
- ◆ Two kinds of street sweepers are common: brush and vacuum. Vacuum sweepers are more efficient and work best when the area is dry.
- ◆ Mechanical equipment should be operated according to the manufacturers' recommendations and should be inspected regularly.

LIMITATIONS:

- ◆ Generally more expensive than manual systems.
- ◆ May be impossible to maintain by plant personnel (the more elaborate equipment).
- ◆ Labor and equipment intensive and may not be effective for all pollutants (street sweepers).

MAINTENANCE:

If water sprayers are used, dust-contaminated waters should be collected and taken for treatment. Areas will probably need to be resprayed to keep dust from spreading.

**DESCRIPTION:**

Controlled storage and disposal of solid waste generated by construction activities.

APPLICATION:

All construction sites.

INSTALLATION:

- ◆ Designate one or several waste collection areas with easy access for construction vehicles and personnel. Ensure no waterways or storm drainage inlets are located near the waste collection areas.
- ◆ Construct compacted earthen berm (See Earth Berm Barrier Information Sheet), or similar perimeter containment around collection area for impoundment in the case of spills and to trap any windblown trash.
- ◆ Use watertight containers with covers to remain closed when not in use. Provide separate containers for different waste types where appropriate and label clearly.
- ◆ Ensure all on site personnel are aware of and utilize designated waste collection area properly and for intended use only (e.g. all toxic, hazardous, or recyclable materials shall be properly disposed of separately from general construction waste).
- ◆ Arrange for periodic pickup, transfer and disposal of collected waste at an authorized disposal location. Include regular Porta-potty service in waste management activities.

LIMITATIONS:

- ◆ On-site personnel are responsible for correct disposal of waste.

MAINTENANCE:

- ◆ Discuss waste management procedures at progress meetings.
- ◆ Collect site trash daily and deposit in covered containers at designated collection areas.
- ◆ Check containers for leakage or inadequate covers and replace as needed.
- ◆ Randomly check disposed materials for any unauthorized waste (e.g. toxic materials).
- ◆ During daily site inspections check that waste is not being incorrectly disposed of on-site (e.g. burial, burning, surface discharge, discharge to storm drain).

**DESCRIPTION:**

Reduce the discharges of pollutants to stormwater from street surfaces by conducting street cleaning on a regular basis.

APPROACH:

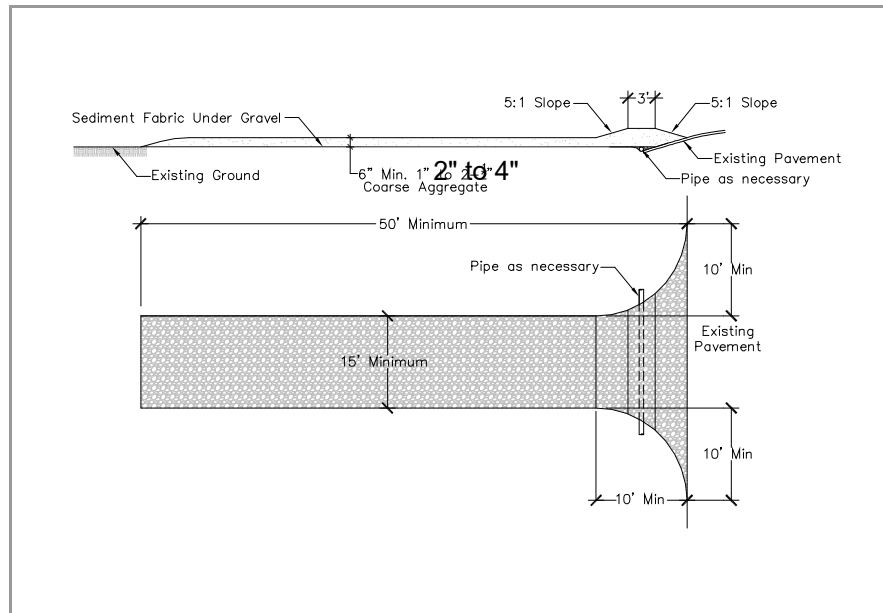
- ◆ Prioritize cleaning to use the most sophisticated sweepers, at the highest frequency, and in areas with the highest pollutant loading.
- ◆ Restrict street parking prior to and during sweeping.
- ◆ Increase sweeping frequency just before the rainy season.
- ◆ Proper maintenance and operation of sweepers greatly increase their efficiency.
- ◆ Keep accurate operation logs to track programs.
- ◆ Sweepers effective at removing smaller particles (less than 10 microns) may generate dust that would lead to concerns over worker and public safety.
- ◆ Equipment selection can be key for this particular BMP. There are two types used, the mechanical broom sweepers (more effective at picking up large debris and cleaning wet streets), and the vacuum sweepers (more effective at removing fine particles and associated heavy metals). Many communities find it useful to have a complement of both types in their fleet.

LIMITATIONS:

- ◆ Conventional sweepers are not able to remove oil and grease.
- ◆ Mechanical sweepers are not effective at removing finer sediments.
- ◆ Effectiveness may also be limited by street conditions, traffic congestion, presence of construction projects, climatic conditions and condition of curbs.

MAINTENANCE:

- ◆ Replace worn parts as necessary.
- ◆ Install main and gutter brooms of the appropriate weight.



DESCRIPTION:

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

APPLICATION:

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:

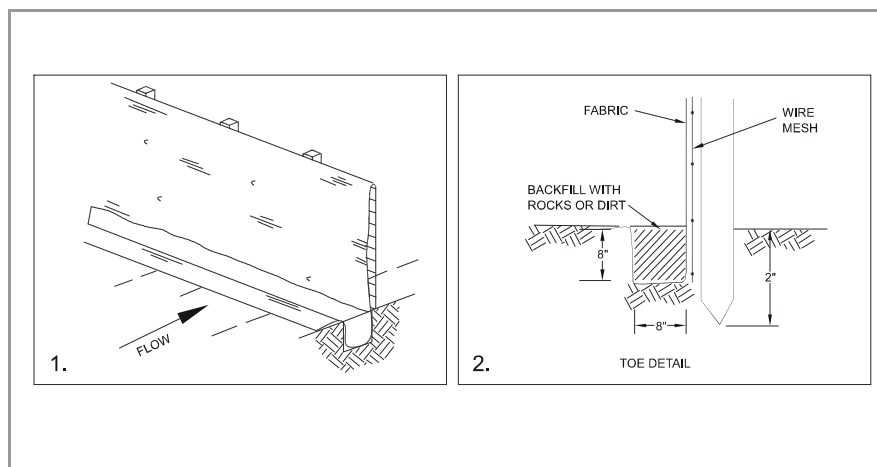
- ◆ Clear and grub area and grade to provide maximum slope of 2%.
- ◆ Compact subgrade and place filter fabric if desired (recommended for entrances to remain for more than 3 months).
- ◆ Place coarse aggregate, 1 to 2-1/2 inches in size, to a minimum depth of 8 inches.

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.

**DESCRIPTION:**

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

Application:

- ◆ Perimeter control: place barrier at down-gradient 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:

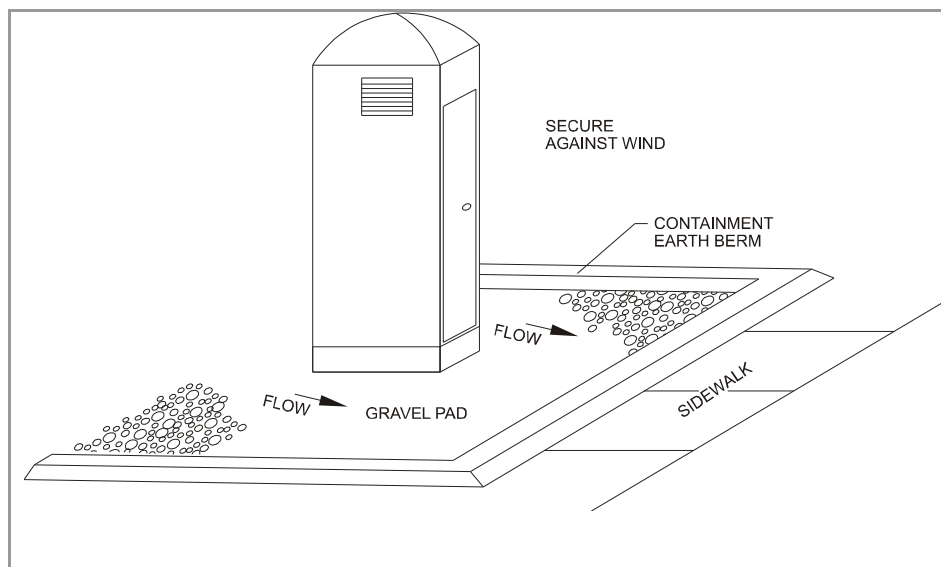
- ◆ Place posts 6 feet apart on center along contour (or use preassembled unit) and drive 2 feet minimum into ground. Excavate an anchor trench immediately up-gradient of posts.
- ◆ Secure wire mesh (14 gage min. with 6-inch openings) to upslope side of posts. Attach with heavy duty 1 inch long wire 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 up-gradient 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 $\frac{1}{2}$ the height of the fence.



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 (6" tall by 6" wide), 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.

FLEXSTORM CATCH-IT FILTERS FOR TEMPORARY INLET PROTECTION

PRODUCT SELECTION AND SPECIFICATION DRAWING

11 GA GALVANIZED STEEL SUSPENSION SYSTEM

LIFT HANDLES

STANDARD 2" OVERFLOW AREA

STAINLESS STEEL CLAMPING BAND

REPLACEABLE SEDIMENT BAGS WITH GEOTEXTILE FILTER FABRIC

TYPICAL ROUND INLET FILTER

TYPICAL RECTANGULAR INLET FILTER

COMBINATION INLET FILTER FOR CURB HOODS

STAINLESS STEEL ROUND INLET FILTERS for NYLOPLAST CASTINGS CATCH-ITS SPECIFIED W/ FX or FX-S BAGS

NOTES:

- ALL FRAMING IS CONSTRUCTED OF CORROSION RESISTANT STEEL (ZINC PLATED OR GALVANIZED) FOR 7 YEAR MINIMUM SERVICE LIFE.
- UPON ORDERING CONFIRMATION OF THE DOT CALLOUT, PRECAST OR CASTING MAKE AND MODEL, OR DETAILED DIMENSIONAL FORMS MUST BE PROVIDED TO CONFIGURE AND ASSEMBLE YOUR CUSTOMIZED FLEXSTORM INLET FILTER. PART NUMBER ALONE IS NOT SUFFICIENT.
- FOR WRITTEN SPECIFICATIONS AND MAINTENANCE GUIDELINES VISIT WWW.INLETFILTERS.COM

1. IDENTIFY YOUR FRAME STYLE AND SIZE

STYLE	FRAME STYLE AND SIZE	Frame P/N:
ROUND	Small Round (up to 20.0" dia grates (A) dim)	62SRD
	Med Round (20.1" - 26.0" dia grates (A) up to 25" dia openings (B))	62MRD
	Large Round (26.1" - 32.0" dia grates (A) up to 30" openings (B))	62LRD
	XL Round (32.1" dia - 39" dia grates (A) up to 37" dia openings (B))	62XLRD
RECT/ SQUARE	Small Rect / Square (up to 16" (B) x 16" (D) openings or 64" perimeter)	62SSQ
	Med Rect / Square (up to 24" (B) x 24" (D) openings or 96" perimeter)	62MSQ
	Large Rect / Square (up to 36" (B) x 24" (D) openings or 120" perimeter)	62LSQ
	XL Rect / Square (side by side 2 pc set to fit up to 48" (B) x 36" (D) openings)	62XLSQ
COMBO INLETS	Small Rect / Square (ref Rect sizing; shipped with Magnetic Curb Flaps)	62SCB
	Med Rect / Square (ref Rect sizing; shipped with Magnetic Curb Flaps)	62MCB
	Large Rect / Square (ref Rect sizing; shipped with Magnetic Curb Flaps)	62LCB
	XL Rect / Square (ref Rect sizing; shipped with Magnetic Curb Flaps)	62XLCB
NYLOPLAST	12" diameter Nyloplast castings (Stainless Steel Framing standard)	6212NY
	15" diameter Nyloplast castings (Stainless Steel Framing standard)	6215NY
	18" diameter Nyloplast castings (Stainless Steel Framing standard)	6218NY
	24" diameter Nyloplast castings (Stainless Steel Framing standard)	6224NY
	30" diameter Nyloplast castings (Stainless Steel Framing standard)	6230NY

SPECIFICATIONS FOR STANDARD BAGS BY NOMINAL SIZE

Nominal Bag Size	Solids Storage (CuFt)	Filtered Flow Rate at 50% Max (CFS)	
		FX (Woven)	IL (NonWoven)
Small	1.6	1.2	0.9
Medium	2.1	1.7	1.3
Large	3.8	2.7	1.9
XL	4.2	3.6	2.6

2. SELECT YOUR BAG PART NUMBER

FLEXSTORM FILTER BAGS	(22" depth) STD Bag P/N	(12" depth) Short Bag P/N	Clean Water Flow Rate (GPM/SqFt)	Min A.O.S. (US Sieve)
FX: Standard Woven Bag	FX	FX-S	200	40
IL: IDOT Non-Woven Bag	IL	IL-S	145	70

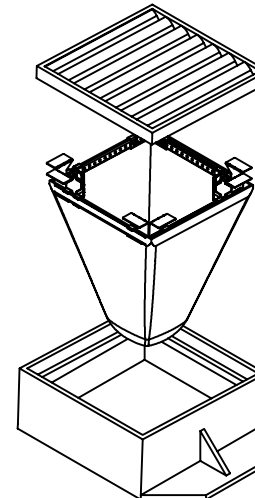
3. CREATE YOUR FLEXSTORM INLET FILTER PART NUMBER

Frame P/N from Step 1.

Filter Bag P/N from Step 2.

INSTALLATION:

- REMOVE GRATE
- DROP FLEXSTORM INLET FILTER ONTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE
- REPLACE GRATE



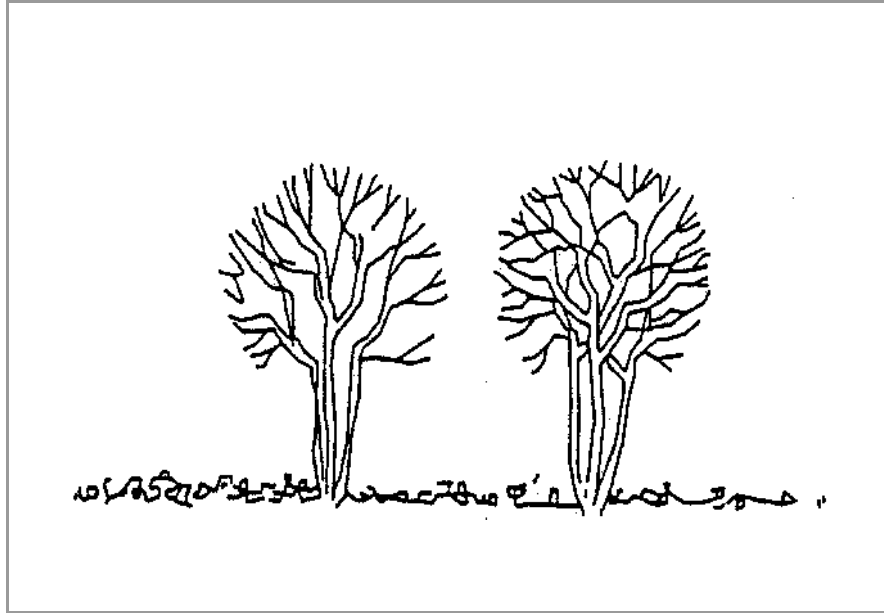
FLEXSTORM

INLET FILTERS™

CATCH IT

ALL PRODUCTS MANUFACTURED BY INLET & PIPE PROTECTION, INC A DIVISION OF ADS, INC.
WWW.INLETFILTERS.COM
 (866) 287-8655 PH
 (630) 355-3477 FX
INFO@INLETFILTERS.COM

SIZE	DWG NO	REV
C	FLEXSTORM_CATCH_IT	A
SCALE	SHEET 1 OF 1	

**DESCRIPTION:**

Carefully planned preservation of existing vegetation minimizes the potential of removing or injuring existing trees, vines, shrubs and/or grasses that serve as erosion controls.

APPLICATIONS:

This technique is applicable to all types of sites. Areas where preserving vegetation can be particularly beneficial are floodplains, wetlands, stream banks, steep slopes, and other areas where erosion controls would be difficult to establish, install, or maintain.

INSTALLATION/APPLICATION CRITERIA:

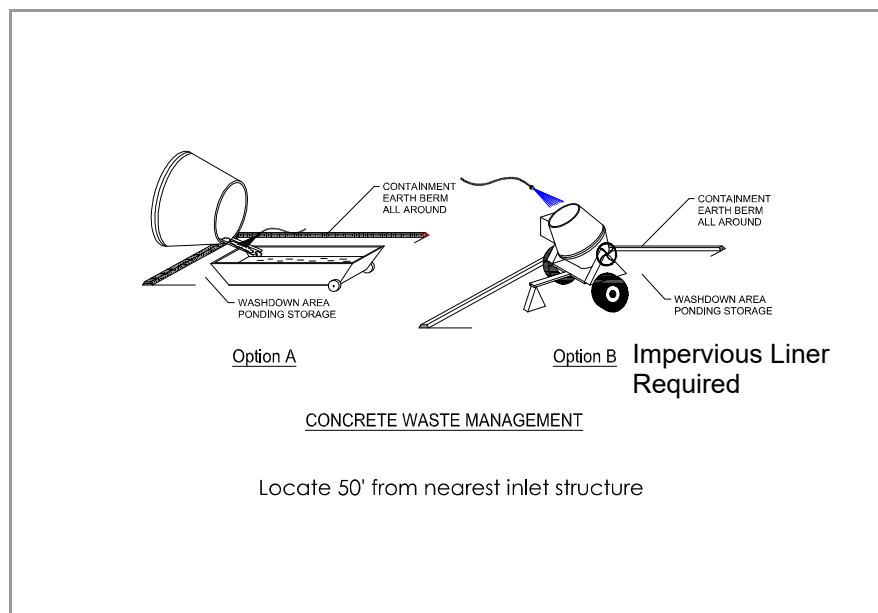
- ◆ Clearly mark, flag or fence vegetation or areas where vegetation should be preserved.
- ◆ Prepare landscaping plans which include as much existing vegetation as possible and state proper care during and after construction.
- ◆ Define and protect with berms, fencing, signs, etc. a setback area from vegetation to be preserved.
- ◆ Propose landscaping plans which do not include plant species that compete with the existing vegetation.
- ◆ Do not locate construction traffic routes, spoil piles, etc. where significant adverse impact on existing vegetation may occur.

LIMITATIONS:

- ◆ Requires forward planning by the owner/developer, contractor and design staff.
- ◆ For sites with diverse topography, it is often difficult and expensive to save existing trees while grading the site satisfactorily for the planned development.
- ◆ May not be cost effective with high land costs.

MAINTENANCE:

- ◆ Inspection and maintenance requirements for protection of vegetation are low.
- ◆ Maintenance of native trees or vegetation should conform to landscape plan specifications.

**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.

APPLICATION:

This technique is applicable to all types of sites.

INSTALLATION/APPLICATION CRITERIA:

- ◆ Store dry materials under cover, away from drainage areas.
- ◆ Minimize excess mixing of fresh concrete, mortar 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. (6" tall by 6" wide).
- ◆ 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.

Appendix I: Construction General Permit

If all storm water team members access the CGP via the internet while on site the following link to access the Construction General Permit is sufficient:

<https://documents.deq.utah.gov/water-quality/stormwater/construction/DWQ-2020-013890.pdf>

Otherwise, include a printed out copy of the Construction General Permit in this appendix.

