

**STORMWATER MANAGEMENT PLAN
FOR
CONSTRUCTION ACTIVITIES**

AT

**#4335-543 Falcon, Colorado - Fuel Station
11550 Meridian Market View
Falcon, Colorado 80831**

Prepared for:

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CEI Project #32639.0

05/17/2023



This SECTION 02370 specification has been sealed and signed by a registered Professional Engineer as part of the overall project Civil Engineering Specification.

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#4335-543 Falcon, Colorado

05/17/2023

SECTION 02370 – EROSION AND SEDIMENTATION CONTROL (INCLUDING SWMP)

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The Owner referred to in this SWMP is **Wal-Mart Real Estate Business Trust**.

The General Contractor (Contractor or GC) shall construct the site development improvements while working under contract with the Owner.

I. SUMMARY OF PERMIT AND PROGRAM REQUIREMENTS

The Stormwater Management Plan (SWMP) includes, but is not limited to, Specification Section 02370 (which includes the SWMP), including its appendices, the Erosion and Sedimentation Control Plan (Construction Drawings) – C-9 thru C-9.7 - included in the Construction Drawings, the Detail Sheet/s, the Notice/s of Intent, Co-Permittee or Transfer forms, Permit Authorization/s, copy of Construction General Permit (CGP), Notice/s of Termination, all records of inspections and activities which are created during the course of the project, and other documents as may be included by reference to this SWMP. Changes, modifications, revisions, additions, or deletions shall become part of this SWMP as they occur.

The GC and ALL subcontractors must comply with the requirements of the applicable National Pollutant Discharge Elimination System (NPDES) General Permit (“General Permit”) and any local governing agency having jurisdiction concerning NPDES, stormwater, or erosion and sedimentation control.

This SWMP intends to control trackout, water-borne, air-borne and liquid pollutant discharges by combinations of prevention, interception, filtration, and/or containment. The GC and subcontractors implementing this SWMP must remain alert to the need to continuously refine and update the SWMP to accomplish its intended goals. The GC is responsible for all site conditions and permit/authorization compliance.

A. General Permit Information

Since land disturbance is greater than 1 acre, the Owner, Wal-Mart Real Estate Business Trust., shall obtain coverage under the Colorado Department of Public Safety General Permit for Stormwater Discharges Associated with Construction Activity. On behalf of Wal-Mart Real Estate Business Trust, CEI Engineering Associates, Inc., has prepared the documents listed below for submittal to the Colorado Department of Public Health and Environment.

- Notice of Intent (NOI); See below for signatory requirements
- Stormwater Management Plan (SWMP), including Erosion and Sedimentation Control Plans and Details
- \$350 Fee (\$175 Initial and \$350 Annual Fee) in accordance with the Water Quality Control Act Section 25-8-502 (1.1) (b) (V) (D). Subsequent annual fees will be billed by the State Water Quality Control Division to Walmart, until Walmart terminates coverage by submitting a Notice of Termination (NOT).

The NOI and fee have been paid via the Colorado Environmental Online Services (CEOS) website at https://ceos.colorado.gov/CO/CEOS/Public/Client/CO_CIMPLE/Shared/Pages/Main/Login.aspx.

In accordance with the General Permit, Section 1.3.e, the documents required for submittal will include signatures by the owner and operator. In this case, the Executive Vice President of Walmart, Inc. has delegated the authority to sign documents related to the storm water construction general permit to the Director of EH&S Compliance of the same corporation in accordance with corporate procedures. A copy of this delegation of authority is included in Appendix E, Tab 2b.

NOTE to GC: The GC must forward the signed NOI to the Owner's Stormwater Compliance Team (SWCT) immediately upon execution and no later than 7 days following project award.

- Co-permittee and transfer forms must be completed, signed and submitted by the GC directly to the SWCT. Certain agencies require original signatures. If this is the case, both Owner and GC signatures must be original.
- Copies of any subsequently received stormwater permit authorizations must be forwarded to the SWCT immediately upon receipt.

1. Permit Information:

The owner has submitted an NOI to obtain stormwater permit coverage for this project.

The general contractor is not required to obtain separate stormwater permit coverage. However, the general contractor must complete Section 6 (Other Contact Types) of the partially filled out Change of Contact Form upon award and submit it to Mark Goldsmith for signature at least 7 days prior to commencement of construction to become the Operator (i.e. Co-Permittee) of the permit.

A local stormwater E&S control permit is required for this project as an Erosion and Stormwater Quality Control Permit (ESQCP). If the project is already involved in the Land Use application process, the ESQCP will be submitted to the El Paso County Planning and Community Development Department as part of that process. If the project does not require a Land Use permit, the ESQCP will be submitted to the El Paso County Department of Public Works at least 10 days before construction is to begin. The following must be submitted to El Paso County:

- Stormwater Management Plan
- Permit Fee. If application is submitted to the Planning and Community Development Department, the ESQCP is included in the fee for plan review. If the application is submitted to the Public Works Department, the fee must be paid separately.
- Statement of Certification
- Operation and Maintenance Plan
- Signed Maintenance Agreement
- Application Information
- Copy of State Stormwater Discharges Associated with Construction Activity Permit Certification Page (*if disturbing greater than 1 acre*)
- State Dewatering Permit (*if discharge does not meet the criteria to be covered by the State Stormwater Discharges Associated with Construction Activity Permit*)
- Army Corps of Engineers 404 Permit (*if working within the boundaries of a waterway or wetland area*)

The Notice of Intent is located in Appendix E – Tab 2 of this specification.

2. Co-permittee information:

The general contractor must complete Section 6 (Other Contact Types) of the partially filled out Change of Contact Form upon award and submit it to Mark Goldsmith for signature at least 7 days prior to commencement of construction to become the Operator (i.e. Co-Permittee) of the permit.

3. Permit transfer information:

If the subject property changes ownership before final stabilization is reached, the new owner will obtain their own ESQCP until final stabilization has been achieved. The new owner must immediately obtain this ESQCP.

4. Waiting Period:

Ground-disturbing activities cannot begin until 10 days after submittal of a complete NOI Package to the appropriate governing agency.

Written acknowledgment or the permit authorization are required to be onsite prior to the start of construction activities, including clearing and/or grubbing, or installation of Best Management Practices (BMPs).

5. Permit Expiration:

The applicable General Permit expires: March 31, 2024.

Construction is anticipated to be completed before the expiration date of the general permit.

A copy of the General Permit is located in Appendix E of this specification.

6. Permit modification:

A permit modification is required prior to land disturbing activity in non-permitted areas. The GC must contact the Stormwater Compliance Team and the CEC as soon as a need to work in non-permitted areas is identified. Work in non-permitted areas may not proceed until written approval is provided by the governing agency and/or CEC, and the SWCT concurs.

The GC may only submit a permit modification to the governing authority upon SWCT approval. **Electronic copies of any documents submitted to the governing authority must also be sent to the Owner's Stormwater Compliance Team.**

The General Contractor shall contact the CEC immediately when a change in design or LOD is needed in order to continue with construction activities. The CEC will revise and amend the SWMP and submit to Walmart for certification and submittal as a Notice of

Change (NOC). Any changes in design or LOD shall not be implemented in the field until 30 days after submittal of the revised documents.

7. Governing Agency:

The following agency or agencies have governing authority for stormwater-related regulations and permits:

**Colorado Department of Public Health and Environment
Water Quality Control Division
Permits Section, WQCD-PS-B2
4300 Cherry Creek Drive South
Denver, CO 80246
(303) 692-3517**

**El Paso County Department of Public Works
3275 Akers Drive
Colorado Springs, CO 80922
(719) 520-6460**

B. Notice of Termination

Once construction is complete, the site achieves final stabilization and, all temporary erosion and sedimentation controls have been removed, or upon sale of the permitted property, the Owner's Construction Manager will request the CEC to complete the CEC PreNOT site inspection and report. If the CEC agrees the site meets permit requirements for termination of the permit, the CEC PreNOT report is submitted to the SWCT for review and concurrence. Upon concurrence by the SWCT, the GC and Owner's Construction Manager will complete the next CM Stormwater Inspection. If the Owner's Construction Manager determines that all areas have been properly stabilized, and that no further construction activities will take place, the 'Ready to Terminate Permit' check box shall be marked and the report submitted. If however, the Owner's Construction Manager determines the site is not ready for termination of the permit, the "Ready to Terminate Permit" checkbox is not checked on the report, and daily reporting must continue until the Owner's Construction Manager determines the site fully meets termination requirements in the permit and in Walmart Standards.

After submittal of the Final Construction Manager report, the Owner and GC, as applicable, must complete and submit NOT form or forms. A Notice of Termination (NOT) form is included in Appendix E of this specification.

NOTE to GC: Stabilization requirements include all areas covered by applicable permits, including, but not limited to, outlots and utility easements, unless the new Owner and/or Operator have submitted a NOI(s) to the applicable agency, and a copy of the NOI(s) has been put in this project's SWMP Jobsite and Online binders. The new Owner/operator must also have taken "operational control" of the parcel or land in question.

C. **SWMP Updates and Amendments**

The GC must update the SWMP, including the Jobsite binder, Online binder and Construction Drawings to reflect the progress of construction activities and general changes to the project site. Updates should be made daily to track progress when any of the following activities occur: BMP installation, modification or removal, construction activities (e.g. paving, storm sewer installation, footing installation, etc...), clearing, grubbing or grading, or temporary or permanent stabilization.

Important:

The General Contractor must submit a Request for Information (RFI) to the CEC and obtain written CEC approval before doing any of the following:

1. Modifying Erosion or Sediment Control BMPs (substitutions are typically only approved if specified materials are not available or there is a valid reason the specified BMP will not work)
2. Adding/Deleting Erosion or Sediment Control BMPs;
3. Modifying the construction sequence; or
4. Performing any actions or in any manner that is contrary to the SWMP.

The Contractor may modify or add additional BMPs, without CEC approval, in an emergency situation to prevent sediment discharge or protect water quality; however, GC must notify the CEC as soon as practicable as to their actions to discuss the need for additional or supplemental measures and to obtain the required approvals. The Contractor is ultimately responsible to ensure compliance with the permit and protection of downstream water quality.

Amending the SWMP does not mean that it has to be reprinted. It is acceptable to add addenda, sketches, new sections, details, and/or revised drawings that have the CEC name in print, are stamped, signed, dated, and are accompanied by written copy of the associated RFI and its response from CEC. Engineered items must be signed and stamped by the CEC of record for the project.

A permittee must report all instances of noncompliance at the time monitoring reports are due. If no monitoring reports are required, these reports are due at least annually.

NOTE TO GC: The SWMP, including BMP selection, location, details and Sequence of Construction have been designed by the CEC to ensure required stormwater pollution prevention measures are in place, and functioning, prior to related construction activities. RFIs for SWMP Modification should only be submitted if there is a clear compliance issue with the overall design, sequence or specific BMP. An RFI should not be submitted for convenience of the site work sequence or GC desired substitute BMP, unless there is an imminent compliance issue with the original designed SWMP.

Agency Submittal:

If there is any recurring agency requirement with a set frequency to produce a document, payment, etc., whether it needs to be sent to agency or to be stored onsite, Contractor must place copy in the site binder and upload copy to Walmart Workspace - Agency Submittal. Each upload must be done from within the corresponding electronic form already present in this folder. The section of this electronic form which corresponds to each document must be completed by the Contractor at the time the document is uploaded. Contractor must

produce the document, upload copy, and, if needed, submit it to agency for delivery on or before the agency deadline.

Annual submittals to the State Water Quality Control Division are required since the site is disturbing more than 1 acre. An annual fee of \$350 is invoiced to Wal-Mart in order to continue coverage under the General Permit.

D. Retention of Records

A complete copy of the SWMP, including copies of all inspection reports, plan revisions, permit documents, SWMP forms, etc., must be retained at the project site, and in any online system provided for such purpose by Owner, at all times during the duration of the project (until NOT is filed) and kept in the permanent project records of the GC for at least five (5) years following submission of the Notice of Termination (NOT).

II. INTRODUCTION

This SWMP has been prepared for major activities associated with the construction of:

#4335-543 Falcon, Colorado - Fuel Station.

The project is located at 11550 Meridian Market View in the City of Falcon, Colorado. The approximate center of the project area is located at Latitude: 38° 56' 18.24" N and Longitude: 104° 36' 40.54" W.

Project construction will consist primarily of: demolition, site grading, paving, storm drainage, water supply, sewage collection, utilities, building construction, site lighting, etc. located within the permitted project area.

This SWMP, including the applicable General Permit, includes the elements necessary to comply with the General Permit for construction activities administered by the U.S. Environmental Protection Agency (EPA) under the National Pollutant Discharge Elimination System (NPDES) program, and state and local governing agency/ies having jurisdiction requirements. Implementation of this SWMP must begin after project award but before the start of any construction activities.

Included as part of this SWMP are the project Construction Drawings:

Construction Plans for Sam's Club Fuel Station #4335-543 – 11550 Meridian Market View Falcon, Colorado

All BMP related information, including narrative for selection, location and use on the site, and inspection/maintenance information are included on the Construction Drawings.

Owner has authority to limit surface area of erodible earth material exposed by clearing and grubbing, excavation, borrow and embankment operations, and to direct the GC to immediately provide permanent or temporary pollution control measures.

The pollutants potentially generated during the above construction activities are listed in Table 1 below.

Wetlands: Based on site visits to the area and aerials of the site, it is anticipated that no wetlands will be impacted due to the construction activities.

A. Purpose

A major goal of pollution prevention efforts during project construction is to control soil particles and other pollutants that originate on the site, and prevent them from flowing to surface waters, soaking into the ground or being picked up into the air. The purpose of this SWMP is to provide guidelines for achieving that goal. A successful pollution prevention program also relies on careful inspection and adjustments during the construction process to maximize its effectiveness.

Construction phase pollutant sources anticipated at the site are disturbed (bare) soil, vehicle fuels and lubricants, chemicals and coatings associated with site or building construction and pavement installation, construction-generated litter and debris, and building materials, among several others, per Table 1. Without adequate control, there is potential for each type of pollutant to be transported by stormwater or wind. The purpose of this SWMP is to prevent pollution of the ground, water or air from pollutants, including, but not limited to, those mentioned in this paragraph.

Table 1. Potential Construction Site Pollutants

Material/Chemical	Physical Description	Stormwater Pollutants	Location or related Construction Activity
Sediment	Various colored soil particles, turbid water (dissolved sediments)	Turbidity, suspended sediment, metals and nutrients attached to sediment particles	Clearing and grubbing operations, grading and site excavation operations, vehicle tracking, topsoil stripping and stockpiling, landscaping operations
Pesticides (insecticides, fungicides, herbicides, rodenticides)	Various colored to colorless liquid, powder, pellets, or grains	Chlorinated hydrocarbons, organophosphates, carbamates, arsenic	Herbicides used for noxious weed control
Fertilizer	Liquid or solid grains	Nitrogen, phosphorous	Newly seeded areas
Plaster	White granules or powder	Calcium sulphate, calcium carbonate, sulfuric acid	Wall construction
Cleaning solvents	Colorless, blue, or yellow-green liquid	Perchloroethylene, methylene chloride, trichloroethylene, petroleum distillates	No equipment cleaning allowed in project limits
Asphalt	Black solid	Oil, petroleum distillates	Streets and roofing
Concrete	White solid/grey liquid	Limestone, sand, pH, chromium	Curb and gutter, building construction
Glue, adhesives	White or yellow liquid	Polymers, epoxies	General construction
Paints	Various colored liquid	Metal oxides, stoddard solvent, talc, calcium carbonate, arsenic	General construction
Curing compounds	Creamy white liquid	Naphtha	Curb and gutter
Wood preservatives	Clear amber or dark brown liquid	Stoddard solvent, petroleum distillates, arsenic, copper, chromium	General construction
Hydraulic oil/fluids	Brown oily petroleum hydrocarbon	Mineral oil	Leaks or broken hoses from equipment
Gasoline	Colorless, pale brown or pink petroleum hydrocarbon	Benzene, ethyl benzene, toluene, xylene, MTBE	Secondary containment/staging area, vehicle leaks
Diesel Fuel	Clear, blue-green to yellow liquid	Petroleum distillate, oil & grease, naphthalene, xylenes	Secondary containment/staging area, vehicle leaks
Kerosene	Pale yellow liquid petroleum hydrocarbon	Coal oil, petroleum distillates	Secondary containment/staging area

Contractor must validate Table 1, at project award and, if needed, expand it. Contractor must validate with CEC and/or Architect of Record (AOR) any materials identified, before adding those to Table 1.

B. Scope

Implementation of this SWMP must begin after project award but before the start of any construction activities. This SWMP primarily addresses the impact of storm rainfall and runoff on areas of the ground surface disturbed during the construction process. In addition, there are requirements and recommendations for controlling other sources of pollution that could accompany the major construction activities. Applicability of this SWMP will terminate when disturbed areas are permanently stabilized, permanent erosion and sedimentation controls are installed, temporary erosion and sedimentation controls are removed, construction activities covered herein have ceased, and completed Notices of Termination (NOT) are transmitted to the governing agency/ies.

Forms which are necessary for implementing the SWMP are included in the SWMP Appendices or are provided in the online SWMP reporting system provided by the Owner.

III. SWMP ELEMENT REFERENCE LOCATIONS

Portions of information in this project's SWMP are located outside of the body of this specification, in Appendices and on Construction Drawings. The table below provides reference information on the location of the listed SWMP elements.

Table 2. Required SWMP Elements and Reference locations within Site Documentation.

SWMP ELEMENT	REFERENCE LOCATION
<i>General Site Information</i>	
Site Description and Intended Construction Activities	Specification 02370 – Section II;
NPDES General Permit and Site-Specific Permit Information	Specification 02370 - Section I.A; Appendix E, Tabs 2a, 3, 4, 5, 6
Endangered Species Information	Specification 02370 Appendix E – Tab 20
Historic Properties Information	Specification 02370 Appendix E – Tab 20
Receiving Water Information	Specification 02370 Appendix B
Non-NPDES Environmental Permits	Specification 02370 Appendix E – Tab 20
Allowable Discharges	SWMP Plan Set Sheet 4
SWMP Sequence of Construction	SWMP Plan Set Sheet 5
<i>SWMP Personnel Information</i>	
Project Contact Information – SWMP Team	Specification 02370 Appendix E – Tab 1
<i>BMP Information</i>	
BMPs Selected for Project	SWMP Plan Set Sheet 4 thru Sheet 11
BMP Design Information	Specification 02370 Appendix B
BMP Inspection and Maintenance Requirements	SWMP Plan Set Sheet 9 and Sheet 11
BMP Details	SWMP Plan Set Sheet 9 thru Sheet 11
Erosion and Sediment Control Plans (Site Drawings)	SWMP Plan Set Sheet 6 and Sheet 7
Stabilization Guidelines for Exposed Soils	SWMP Plan Set Sheet 11
Post Construction Operations and Maintenance	Specification 02370 Appendix C
<i>Material / Waste Management</i>	
Spill Prevention	SWMP Plan Set Sheet 4 and Sheet 11
Waste Management	SWMP Plan Set Sheet 4 and Sheet 11
Non-stormwater Management (stockpiles, dust, tracking, etc..)	SWMP Plan Set Sheet 11
Import or Export of Materials	Specification 02370 Appendix E – Tab 21
<i>Recordkeeping and Documentation</i>	
SWMP Implementation Log	Specification 02370 Appendix E – Tab 15
Effluent Sampling and Monitoring	Specification 02370 Appendix D
Site Postings	Specification 02370 Appendix A and Appendix E - Tab 1; SWMP Plan Set SW-5
Inspection Criteria	Specification 02370 Appendix E - Tab 12
SWMP Certifications	Specification 02370 Appendix E – Tabs 7a and 7b
Incident Reports – Spills, Sediment Releases & Agency Site Visits	Specification 02370 Appendix E – Tab 14

Detailed general inspection requirements, including inspector qualifications and inspection protocols and timeframes are included in the instruction for Tab 12 in Appendix E of this specification. Detailed inspection instruction for each BMP is included in the BMP description on the Notes page of the Construction Drawings.

SWMP APPENDICES

APPENDIX A	CONSTRUCTION SITE NOTICE
APPENDIX B	SITE-SPECIFIC PERMITS, BMPs DESIGN CALCULATIONS AND RELATED INFORMATION, including NON-NPDES STORMWATER PERMITS, 404 PERMITS, ENDANGERED SPECIES INFORMATION, ENVIRONMENTAL SITE ASSESSMENTS, etc.
APPENDIX C	SITE-SPECIFIC, POST-CONSTRUCTION STORMWATER OPERATION AND MAINTENANCE MANUAL
APPENDIX D	EFFLUENT SAMPLING AND MONITORING PLAN
APPENDIX E	SWMP BINDER (JOBSITE AND ONLINE)

APPENDIX A

CONSTRUCTION SITE NOTICE

No State-Specific Construction Site Notice in Colorado.

To be located on the SWMP Information Sign

NOTES to GC:

The Owner Construction Site Notice must be posted on the SWMP Information Sign located near the construction exit within view of the public. If a state-specific construction site notice is also provided in this appendix, both the Owner and state-specific construction site notices must be posted on the SWMP Information Sign.

CONSTRUCTION SITE NOTICE

FOR THE NPDES GENERAL PERMIT

General Contractor Company name:									
General Contractor Address: Telephone:									
Site Contacts Name and Number: (both Site Superintendents)	<table><tr><td>_____</td><td>_____</td></tr><tr><td>Name</td><td>Phone Number</td></tr><tr><td>_____</td><td>_____</td></tr><tr><td>Name</td><td>Phone Number</td></tr></table>	_____	_____	Name	Phone Number	_____	_____	Name	Phone Number
_____	_____								
Name	Phone Number								
_____	_____								
Name	Phone Number								
Project Description:	#4335-543 Falcon, Colorado Fuel Station 11550 Meridian Market View Falcon, Colorado 80831 1440 Square Foot Building 2.00 Acres Disturbed Area								

APPENDIX B

SITE-SPECIFIC PERMITS, DESIGN CALCULATIONS AND RELATED INFORMATION including NON-NPDES STORMWATER PERMITS, 404 PERMITS, ENDANGERED SPECIES INFORMATION, ENVIRONMENTAL SITE ASSESSMENTS, etc.

Local El Paso County, Colorado Erosion and Stormwater Quality Control Permit is required for this site. Documents have been adapted to meet both state and local requirements.

RECEIVING SURFACE WATERS:

The runoff from the site runs into an unnamed tributary of Black Squirrel Creek, then into Black Squirrel Creek, thence into Chico Creek, and ultimately into the Arkansas River (38° 15' 28.44" N, 104° 22' 11.28 W).

DISTANCE TO NAMED RECEIVING WATERS:

Approximately 20.02± miles southeast furthest site discharge point.

RECEIVING WATER QUALITY:

The receiving portion of the Arkansas River is on the state 303(d) list for E. coli. Black Squirrel Creek is also on the state 303(d) list for E. coli. Chico Creek is listed for E. coli and Ammonia.

DISCHARGE CRITERIA:

There are no project-specific discharge criteria associated with this site.

OFF-SITE RUN-ON:

Approximately 1.76 acres are expected to run on to this site from the greenspace north of the property.

100-YEAR FLOODPLAIN:

According to FEMA FIRM Map #08041C0553G, dated 12/07/2018, the site is located within Zone X, defined as 0.2% annual chance flood hazard.

APPENDIX C

SITE-SPECIFIC, POST-CONSTRUCTION STORMWATER OPERATION AND MAINTENANCE MANUAL

The following is a description of state, local and/or site specific post-construction stormwater management requirements and how those will be managed and maintained.

The General Permit does not require the O&M Manual to be included within the SWMP.

The site-specific post-construction stormwater Operation and Maintenance (O&M) Manual provided in this appendix will be used by the Owner to operate and maintain long-term stormwater controls and systems constructed and/or installed by the General Contractor. All controls and systems must be installed & functioning as designed and free of accumulated sediment and debris before final project approval.

POST-CONSTRUCTION STORMWATER OPERATION & MAINTENANCE MANUAL

Falcon, CO - #4335-543

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1.0 Purpose

To protect the health, safety, and general welfare of the residents of Falcon, as well as to protect, sustain, and enhance the surface and ground water resources of Falcon, drainage and stormwater management practices as provided in this Post-Construction Stormwater Operation & Maintenance (O&M) Manual shall be utilized as directed herein to achieve the following objectives:

- Protect water quality by removing and/or treating pollutants prior to discharge to ground and surface waters, and to protect, restore, and maintain the chemical, physical, and biological quality of ground and surface waters.
- Protect natural infiltration and ground water recharge rates in order to sustain ground water supplies and stream base flows.
- Maintain runoff characteristics of the site after completion of development that are consistent with the carrying capacity of the receiving streams and storm sewer systems.
- Protect channels and geomorphology conditions of the receiving streams; protect their flood carrying capacity and aquatic habitats and to reduce in-stream erosion and sedimentation.
- Reduce flooding impacts and prevent a significant increase in surface runoff rates and volumes predevelopment to post-development.
- Protect adjacent lands from adverse impacts of direct stormwater discharges.
- Ensure permanent stormwater management systems are functioning as designed by providing effective long term maintenance.
- Address applicable requirements of the Municipal Separate Storm Sewer System (MS4) National Pollution Discharge Elimination System (NPDES) Phase II Stormwater Regulations.
- Meet regulatory water quality requirements under state and local law.

2.0 Property Location

This O&M Manual covers the stormwater systems located at the following subject property:

Address: 11550 Meridian Market View, Falcon, Colorado 80831

Latitude: 38° 56' 18.24" N

Longitude: 104° 36' 40.54" W

Legal Description: See Attachment D

3.0 Location Map

See Attachment C for Vicinity Map.

4.0 Project Description

Store Number: #4335-543

Store Type: Fuel Station

Project Type: New Construction

Building Size: 1,440 square feet

Total Site Acreage: 19.86 acres (Walmart Parcel Area)

Total Disturbance Acreage: 2.00 acres

Discharge Points: There will be two drainage areas that connect underground to the new underground infiltration chambers (See Exhibit 6 for Drainage Map).

Receiving Water Body: Black Squirrel Creek

Related Work Beyond the Permitted Project Area: N/A

4.1 Existing Conditions (Computed using the Rational Method)

Cover Type/Condition	Soil Type	Area (sf)	Area (ac)	C (10-Year/100-Year)
Impervious Pavement	A	84,967	1.95	0.90/0.90
Landscaped Pervious Area	A	2,153	0.05	0.30/0.45
<i>Total:</i>		<i>87,120</i>	<i>2.00</i>	

Run-off Volume (Based on Intensity from El Paso County Drainage Manual and T_c of 5 minutes)

10-yr Event = 0.037 acre-ft

100-yr Event = 0.056 acre-ft

4.2 Developed Conditions (Computed using the Rational Method)

Cover Type/Condition	Soil Type	Area (sf)	Area (ac)	C (10-Year/100-Year)
Impervious Pavement	A	74,932	1.72	0.90/0.90
Landscaped Pervious Area	A	12,196	0.28	0.30/0.45
<i>Total:</i>		<i>87,120</i>	<i>2.00</i>	

Run-off Volume (Based on Intensity from El Paso County Drainage Manual and T_c of 5 minutes)

10-yr event = 0.035 acre-ft

100-yr event = 0.054 acre-ft

5.0 Post Construction Best Management Practices (BMPs)

This O&M Manual includes BMPs that reduce stormwater run-off volumes and/or reduce pollutants in stormwater discharges after all construction phases have been completed at the site (Post-Construction BMPs). Post-construction BMPs consist of permanent features designed to minimize pollutant discharges, including sediment, from the site after construction has been completed.

Post-Construction BMPs include treatment of stormwater runoff using infiltration, detention/retention, biofilters, treatment trains, etc., use of efficient irrigation systems, ensuring interior drains are not connected to a storm sewer system, proper material storage practices, appropriate spill response procedures, good housekeeping practices, and appropriately designed and constructed energy dissipation devices. These must be consistent with all state and local post-construction stormwater management requirements, policies, and guidelines.

Stormwater management systems have been designed and constructed to prevent the pollution of ground water resources by stormwater, promote safety, minimize health hazards, preserve natural features and provide infiltration and ground water recharge where appropriate.

The Walmart Stormwater Maintenance Standard is included in this Manual as **Attachment A** and shall be referenced for specific guidance on:

- Stormwater conveyance

Post-construction stormwater management BMPs are present at the site prior to development. The proposed project will not change the impervious surface associated with this site, therefore, no additional post-construction stormwater management BMPs are required. Existing BMPs include storm sewer, culverts, and channels (convey runoff from building and parking area) were designed in accordance with the County of El Paso requirements. Prior to any installation of future BMPs, review and approval from the County of El Paso is required.

System	Manufacturer	Type, Model # and/or Size	Purpose	Manufacturer O&M Manual included in Appendix A? (Y or N)
Stormwater Vault(s) or Catch Basin(s)	Unknown	Unknown	To collect and convey stormwater	N
Catch Basin Inserts or Filtration Devices	N/A	N/A	N/A	N/A
Stormwater Basins Wet ponds	N/A	N/A	N/A	N/A
Stormwater Basins Dry ponds	N/A	N/A	N/A	N/A
Outfall Structure(s)	N/A	N/A	N/A	N/A
Energy Dissipater(s)	N/A	N/A	N/A	N/A
Inlet Structures	Unknown	Unknown	To collect and convey stormwater	N
Open Channels	N/A	N/A	N/A	N/A
Proprietary devices: Vortex, Crystal Streams, Aqua Swirl, etc.	N/A	N/A	N/A	N/A
Skimmers, Oil Water Separators	N/A	N/A	N/A	N/A
Bio Retention or Bio Swales	N/A	N/A	N/A	N/A
UIC/ Injection Well	N/A	N/A	N/A	N/A
Sand Filter Bed / Infiltration Pond	N/A	N/A	N/A	N/A

6.0 Stormwater Maintenance Requirements

This section prescribes the minimum maintenance requirements to remain compliant with this O&M Manual. The maintenance activities listed below are aimed to ensure stormwater systems serve their intended functions through the designed lifespan of each system. The list of activities indicates the minimum maintenance that can be expected for the site and systems.

Maintenance activities shall be performed as follows:

System	Maintenance Requirements	Maintenance Frequency
Stormwater Vault(s) or Catch Basin(s) (list all)	Visibly inspect; remove all debris, sediment, and obstructions; repair the storm sewer pipe as needed; and clean and repair areas as needed	Annually or after each 4" rainfall event in a 24 hour period
Catch Basin Inserts & Filtration Devices	N/A	N/A
Stormwater Basins Wet ponds	N/A	N/A
Stormwater Basins Dry ponds	N/A	N/A
Outfall Structure(s)	N/A	N/A
Energy Dissipater(s)	N/A	N/A
Inlet Structures	Visibly inspect; remove all debris, sediment, and obstructions; repair the storm sewer pipe as needed; and clean and repair areas as needed	Annually or after each 4" rainfall event in a 24 hour period
Open Channels	N/A	N/A
Proprietary devices: Vortex, Crystal Streams, Aqua Swirl, etc.	N/A	N/A
Skimmers, Oil Water Separators	N/A	N/A
Bio Retention or Bio Swales	N/A	N/A
UIC/ Injection Well	N/A	N/A
Sand Filter Bed / Infiltration Pond	N/A	N/A

Type of Cover	Acres covered	Maintenance Requirements (fertilizer, herbicide, mowing, etc.) and frequency
Grass (Unknown)	N/A	N/A
Wetlands	N/A	N/A
Prairie Grass	N/A	N/A
Infiltration Galleries	N/A	N/A
Rain Gardens	N/A	N/A
Landscaping/Mulch	0.16±	<p>Weed Control: Develop and maintain a weed control program consisting of weed chemical control. Weed mats may be used to control weeds, mats should be replaced if torn or damaged. Maintain landscape area in a weed-free condition. Use shall be in accordance with any local or state regulations.</p> <p>Disease and Insect Pest Control: Inspect plant material at least once month to locate any disease or insect pest infestations. Upon discovery of infestation, type of infestation shall be identified. Spray or treat as required to keep trees and other landscaping free of insects and disease. Use shall be in accordance with any local or state regulations.</p> <p>Pruning and Repair: Prune as required to remove dead or injured branches, to compensate for loss of roots as a result of transplanting operations, and to maintain safety in vehicular and pedestrian traffic areas. Pruning shall not change the natural, balanced shape of the plant. Cuts shall be made at the outside edge of the branch collar.</p> <p>Mulching: Mulch landscape beds as needed to prevent bare earth from being exposed. Type and color shall match existing mulch that is in place for uniformity.</p> <p>Watering:</p> <ol style="list-style-type: none"> 1) Furnish portable tanks, pumps, hose, pipe, connections, nozzles, and any other equipment required to transport water from available outlets. 2) Apply water in quantities sufficient to penetrate soil to minimum depth of 8 inches in landscape areas at a rate that will prevent saturation of soil. 3) Water as needed to maintain landscaping survival.
Other	N/A	N/A

- 1) Repair eroded areas immediately; re-seed or sod as necessary to maintain good vegetative cover.
- 2) Inspect, clean and repair the collection system (i.e., catch basins, drainage structures, piping, swales, riprap, etc.) annually to maintain proper function.

7.0 Construction Drawings

The stormwater management practices covered by this O&M Manual are depicted in the construction drawings and details included with this Plan.

Provide standard size construction drawings showing stormwater features including but not limited to:

- Open Vegetated Channels including grassed swales and filter strips
- Conveyance Systems (Open Channels, Drainage ways, Storm Sewers & Storm Vaults)
- Inlet Structures
- Energy Dissipaters and Level Spreaders
- Discharge Points and Outlet Structures

Attachment A

STORMWATER MAINTENANCE STANDARD

Stormwater Maintenance Standard

1. All stormwater ponds, ditches, swales, pipes, inlets, catch basins, manholes, flumes, pond inflow and outfall structures (including oil skimmers), discharge pipes and all other components of the stormwater management system should be inspected as identified in the approved maintenance schedule. Inspection report should be completed, and a copy filed in the *Stormwater Maintenance and Inspections Reports* binder, and a copy submitted, attached to your invoice to the Environmental Manager.
2. Remove trash, litter, and debris from inlets, outlets, culverts, pipes, banks, water, catch basins, pond or swale beds, trash racks, skimmers and all other components of the stormwater system.
3. Remove any sediment or silt that may inhibit flow. Make minor repairs as needed. If major repairs are needed Contractor should report damage or failure to the Environmental Manager.
4. Mow or weed-eat banks and pond, ditch or swale bottom to maintain vegetative growth not to exceed 12 inches in height. Clippings may not be left on banks or in bed. Herbicide is not to be used to control growth of vegetation on banks or pond bottom except at inlet and outlet structures and to control exotic or nuisance vegetation. **Not required for bio-retention ponds or subsurface systems.**
5. Ensure that banks, slopes and pond bottom are vegetated with approved grasses. Bare spots, if they exist, should be sodded or reseeded using approved seed mixture as specified by design plan or approved local D.O.T. mixture with fertilizers and soil amendments. Newly seeded areas should be covered with erosion control fabric. Mulch or straw should not be used. **Not required for bio-retention ponds or subsurface systems.**
6. Erosion in vegetated areas should be repaired immediately by filling with soil, compacting new soil and sodding or seeding using approved seed mixture as specified by design plan or approved local D.O.T. mixture with fertilizers and soil amendments. Newly seeded areas should be covered with erosion control fabric. Mulch or straw should not be used. **Not required for bio-retention ponds or subsurface systems.**
7. Erosion at inlets or outlets should be repaired by back filling to grade, installation of erosion mat and granite rip rap of at least 6 inches in diameter or as specified by design plan or local regulation. Rip rap should only be used to dissipate flow of water and must never be installed without erosion mat. **Not required for bio-retention ponds or subsurface systems.**
8. Inspect all inlets, outfalls, trash racks, structures, piping, oil skimmers, catch basins and curb inlets. Remove trash, debris, accumulated silt and sediment that may obstruct flow. Make minor repairs as needed. If major repairs are needed Contractor should report damage or failure to the Environmental Manager. Minor repairs are defined as repairs that can be made during a regular maintenance event.
 - a) Catch basins and curb inlets sumps and truck well drains must be cleaned by vacuum truck as needed or as required by local regulation and site conditions. Debris removed from catch basins must be disposed of in accordance with Federal, State and local regulations at an approved disposal facility. Waste must be properly manifested if required and copies of manifests included in the *Stormwater Maintenance and Inspection Reports* binder. If an insert or filter media is used in the catch basin,

consult the manufacturer for maintenance specifications and provide maintenance according to manufacturer's recommendations.

9. Retention or Wet Ponds: In general maintenance of Retention Ponds shall occur on a monthly basis during the growing season and shall include the following activities:

- a) Remove sediment and debris from orifice and trash rack on overflow structure. If "draw down" from the orifice does not occur in 2-5 days following a rain event, there may be a clog in the system. The source of the clogging should be located and removed.
- b) Nuisance aquatic vegetation such as woody vegetation cattail, duckweed, algae and other invasive or nuisance growth must be removed and controlled. Growth over 24 inches tall must be manually cut. Approved aquatic herbicide may be used after manual removal has been done. **All cut and dead vegetation must be removed from ponds and banks.**
- c) Maintain, rather than remove, wetland or littoral zone vegetation that was planted or naturally recruited at water's edge. Do not cut, remove, mow, use herbicide or stock grass carp in the wetland or littoral zone without prior approval from the jurisdictional agency.

10. Detention or Dry Ponds: In general maintenance of Detention Ponds shall occur on a monthly basis during the growing season and shall include the following activities:

- a) If the pond retains water longer than 72 hours after a rain event or if wetland vegetation, such as cattail, is growing in the pond, the stormwater facility may be in need of additional maintenance activities. This activity may include removing the bottom sediment (approximately the top foot of soil), replacing with fill, grading, and re-vegetating. The Environmental Manager should be notified for prior approval if these activities are required.
- b) Pond bottoms should be scarified or raked annually.
- c) Remove any woody or nuisance vegetation, including stumps, from pond bottoms unless it is planted material specified by design plans.

11. Sand Filters: These systems rely on a filtration system made of perforated pipe laid in a bed of filter media, such as sand, to remove pollutants. Clean-outs, or vertical PVC pipes with caps screwed on top, are connected to the buried perforated pipes and extend to the pond surface or bank. The filter media may become clogged with accumulated sediment, oil, etc. Maintenance shall occur on a monthly or quarterly basis.

- a) It is essential that the cap is always in-place and screwed on tightly so that untreated stormwater is not discharged through the cleanout. In general, if approximately 36 hours after a rain event, water is being retained or is discharging over the top of the concrete control structure rather than through the perforated pipe, the Underdrain or Sand Filter is not functioning properly. If this occurs, notify the Environmental Manager.
- b) Maintenance will include annual scarifying or raking filter sand, removing the first 2 to 3 inches of discolored sand or contaminated filter bed material and replacing with clean material. Dewatering of contaminated material may be required prior to disposal. Contaminated material must be disposed

of in accordance with Federal, State and Local regulations at an approved disposal facility. Waste must be properly manifested, if required, and copies of manifests included in the *Stormwater Maintenance and Inspection Reports* binder.

- c) Re-vegetate disturbed areas with sod or seed using approved seed mixture as specified by design plan or approved local D.O.T. mixture with fertilizers and soil amendments. Newly seeded areas should be covered with erosion fabric. Mulch or straw should not be used.
- d) Annually flush or jet the perforated pipe.

12. Ditches and Swales: In general, maintenance of Ditches and Swales should occur on a monthly basis during the growing season and shall include the following activities:

- a) Most ditches and swales should not retain water; however, some ditches and swales are designed to store run-off for short periods of time utilizing ditch blocks or raised inlets. These structures should not be removed or altered.
- b) Remove excess accumulation of sediment annually or as needed to maintain original contours and grading.
- c) Remove trash, sediment, and debris from check dams as needed.

13. Infiltration Devices: Such as infiltration basins, infiltration trenches, and dry wells are designed to allow stormwater infiltrate into the soil. Removal and reconstruction of the infiltration device will be necessary when the infiltration rate drops to unacceptable levels. System specific maintenance required includes the following activities:

- a) Sediment deposits should be removed from pretreatment devices at least annually by flushing or jetting the system.
- b) In general, if approximately 36 hours after a rain event, water is being retained, the system is not functioning properly. If this occurs, notify the Environmental Manager. Removal and reconstruction of the infiltration device may be necessary.

14. Bio-retention ponds: The bio-retention systems area is designed to infiltrate and store stormwater for uptake by vegetation. Runoff is filtered through a grass buffer strip into a depressed planted area. The runoff is infiltrated through a surface organic layer of mulch and/or a ground cover to the planting soil. The runoff is stored in the planting soil where it is discharged over a period of days to the sand underlying the bio-retention area or through an underdrain. While use of bio-retention ponds will rarely be encountered at a Walmart Store or Sam's Club, if a bio-retention system has been installed, the following maintenance activities should occur:

- a) Re-mulch areas annually or as need to cover void areas.
- b) Removal and replacement of all dead and diseased vegetation.
- c) Remove invasive vegetation by hand.
- d) No mowing should be done in a bio-retention pond.
- e) Herbicide may not be used in bio-retention pond.

- 15. Subsurface Stormwater Treatment Facilities and Mechanical Systems:** Systems such as underground detention vaults, tanks, or treatment devices, pumps and fountains. These systems and devices have various maintenance requirements. Contractor should consult the manufacturer for their maintenance recommendations.
- a) Remove trash, debris and sediment annually or as needed.
 - b) Dispose of waste material in accordance with Federal, State and Local regulations at an approved disposal facility. Waste must be properly manifested, if required, and copies of manifests included in the *Stormwater Maintenance and Inspection Reports* binder.
- 16. Avoid Erosion or Siltation to Areas Beyond the Permitted Project Area:** During any repair or maintenance activity, Contractor must utilize Best Management Practices to avoid causing erosion or siltation to areas beyond the permitted project area. Contractor is required to sweep all areas of the parking lot and streets where “track out” has occurred as a result of maintenance or repair work conducted by the contractor.
- 17. Verification of State/Local Maintenance Requirements:** Contractor is responsible for verifying State and Local maintenance requirements. If State or Local requirements differ from the Scope of Work contained in this agreement, the Contractor should notify the Environmental Manager by e-mail and provide the Environmental Manager with a copy of the requirements. It is necessary to contact local jurisdictional agencies to obtain copies of operations and maintenance permits, as-built drawings, and to determine if additional restrictions, instructions and conditions apply. When possible, Walmart, Inc. will provide contractors with these documents or information.

Attachment B

**MANUFACTURER OPERATION AND MAINTENANCE MANUALS, WARRANTIES and
BMP DETAILS**

No manufacturer post-construction BMPs are proposed for this project.

Attachment C

VICINITY MAP AND USGS MAP

Attachment D

LEGAL DESCRIPTION

APPENDIX D

SAMPLING AND MONITORING PLAN

There are no sampling or monitoring requirements for this project. A copy of the CDPHE Water Quality Control Commission Regulations is located at <https://www.colorado.gov/pacific/cdphe/water-quality-control-commission-regulations> for reference.

APPENDIX E

WALMART SWMP BINDER

The Jobsite Binder must be completed as appropriate prior to the BMP Certification and Stormwater Preconstruction meeting. The Jobsite binder must be maintained up-to-date on the jobsite at all times.

The Contractor shall email copies of documents for Tabs 2b, 3, 5 & 6, to StormwaterCompliance@Walmart.com prior to initiation of construction activities, and anytime one of said documents is acquired or changes.

The Contractor shall copy this Appendix in whole, insert Tab dividers to separate contents of each tab, label each Tab, and follow all instructions contained within this Appendix to create the Jobsite Binder.

Appendix E Table of Contents

Tab 1	Project SWMP Team
Tab 2	A) Walmart's Signed Notice of Intent (N.O.I.) B) Walmart Delegation of Authority Letter Signed by Walmart Officer
Tab 3	Contractor's Signed N.O.I. or Transfer or Co-Permittee Form
Tab 4	State NPDES General Permit
Tab 5	Walmart Stormwater Permit Authorization
Tab 6	General Contractor Permit Authorization
Tab 7	A) Walmart SWMP Certification Letter B) General Contractor SWMP Certification Letter C) Project's Entire Specification Section 02370
Tab 8	Intentionally Left Blank
Tab 9	A) Site Best Management Practices & Preconstruction Meeting Certification B) Intentionally Left Blank C) Intentionally Left Blank D) Intentionally Left Blank
Tab 10	A) Contractor/Sub Contractor List B) Contractor/Sub Contractor Certification Forms (Where required by permit)
Tab 11	A) Delegation of Authority Letter from Walmart to General Contractor B) General Contractor Signature Delegation Letter
Tab 12	Daily Inspection Reports
Tab 13	Intentionally Left Blank
Tab 14	Incident Reports – Spills, Sediment Releases and Agency Site Visits
Tab 15	Record of Site Stabilization and BMPs
Tab 16	Intentionally Left Blank
Tab 17	CEC Pre-NOT Report
Tab 18	Notice of Termination (N.O.T.), by General Contractor and/or Walmart
Tab 19	Stormwater-Related Directives and Guidance to or from Walmart or CEC
Tab 20	Stormwater-Related Documents to or from Governing Authority (Agency)
Tab 21	Off-site Location Usage Documentation

TAB 1: Project SWMP Team (i.e. Contact List)

Found in: Form (generated by Online binder) is found in the Online binder.

GC runs report from within the Online binder.

Run report (i.e. Click on ball icon)

Print copy for jobsite binder.

Contractor's Duties: Contractor information is automatically pulled from system data. Verify that personnel information is correct. Print from Online binder and place in Jobsite binder. If construction manager information is incorrect contact your construction manager as the project is not assigned correctly. Contractor must reprint form and place in front of existing form (which is not to be removed), whenever personnel changes occur at the project.

When: Prior to the BMP certification and stormwater preconstruction meeting, and when site personnel change.

Why: Many permits require identification of persons responsible for SWMP Implementation. The project SWMP team form provides information on the persons currently authorized to sign SWMP inspection forms and make SWMP-related decisions. This must be kept up to date to reflect these qualifications. This is a requirement of the permit and contract.

THIS PAGE IS PROVIDED AS SAMPLE ONLY - REPLACE WITH SITE-SPECIFIC FORM ONCE PROJECT HAS INITIATED

CONTACT LIST

Contacts for : Walmart Store # 1234-001 (Honolulu, HI)

Walmart's Director of Stormwater Compliance: Mark S. Goldsmith CPESC Phone: (479) 204-3314

Responsible for coordinating oversight of stormwater compliance by Wal-Mart and its Responsible Contractors at each site.

Walmart's Construction Manager: Name: Allen Seay
Phone: (479) 644-1047

Responsible for conducting the monthly inspections as required and otherwise oversee compliance with all permits.

Responsible Contractor's Compliance Officer: Name: Steve Jones
Company: Compliance Construction
Phone (office):

Responsible for the supervision or completion of construction at a site and able to adequately identify and implement stormwater sediment and erosion control practices and effectively instruct employees and contractors in the implementation of such practices.

Project Superintendent: Name: John Adams
Company: Compliance Construction
Phone (office):
Phone (mobile):

Project Superintendent: Name: Bill Smith
Company: Compliance Construction
Phone (office):
Phone (mobile):

Responsible for overseeing activities and work at a site; has the authority to direct employees and contractors to undertake actions to comply with a Permit, the Clean Water Act, and the site's SWPPP.

Confidential Business Information

02370

Walmart Store #1234-001 (Honolulu, HI)

Printed: 6/21/2012

TAB 2a: Walmart's Signed Notice of Intent (NOI)

Found in: Provided by owner in online SWMP Binder

Contractor's Duties: Print copy of Walmart NOI(s), and place in Tab 2a in the Jobsite Binder.

When: Prior to the BMP certification and stormwater preconstruction meeting, and anytime permits are renewed or new permits are acquired during construction.

Why: The NPDES permit requires that the responsible party submit for coverage under the general permit. The permit also requires permit documents be kept on site throughout construction, and until the permit is terminated.

**** This must also be posted on the SWMP entrance board ****

TAB 2b: Walmart Delegation of Authority Letter Signed by Walmart Corporate Officer

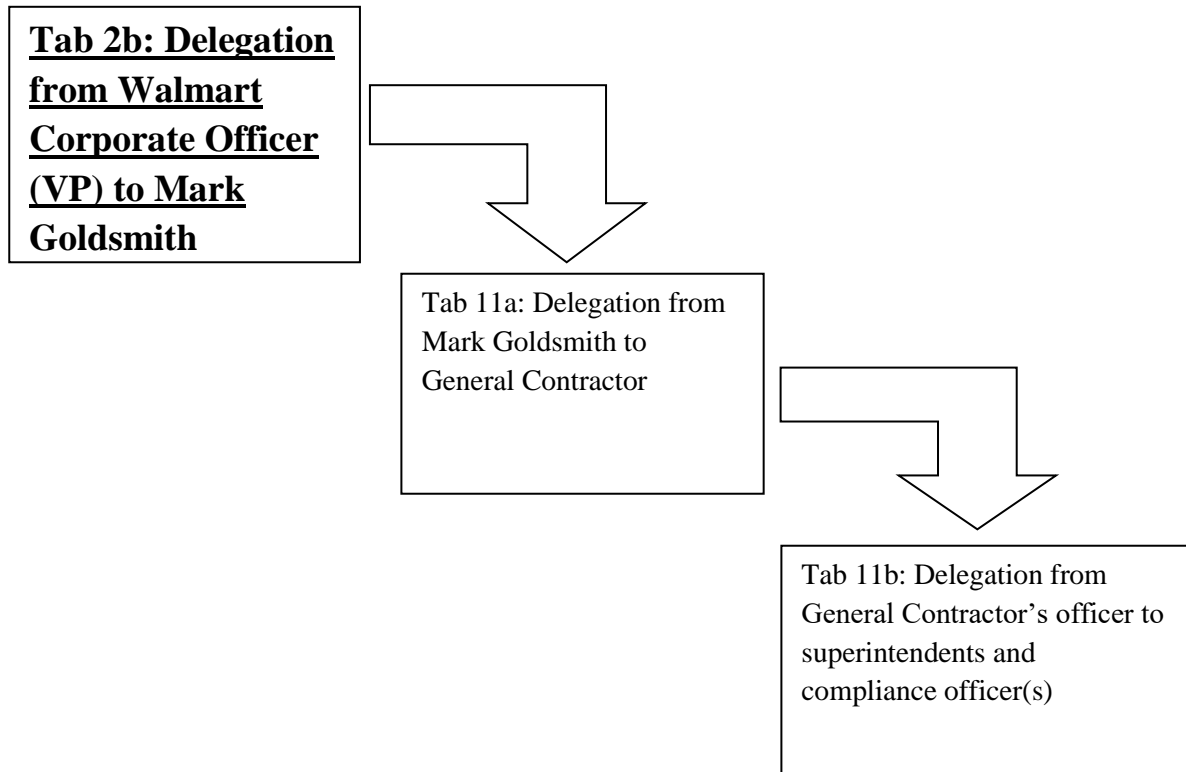
Found in: Provided by Walmart in online SWMP Binder.

Contractor's Duties: Contractor shall verify that the delegation letter in this tab is dated before the NOI date in tab 2a (if it is not, contact the SWCT). This delegation is not required to be printed, unless specifically requested by regulatory agency personnel.

When: Prior to the BMP certification and stormwater preconstruction meeting.

Why: NPDES Permits require an officer, or someone who has been given written delegation of authority to sign on the company's behalf by an officer, of a company to sign official permit documents, such as the NOI. This document is delegating the signing authority for SWMP documents to Mark Goldsmith from a corporate officer of Walmart.

The diagram below depicts the chain of delegation that occurs authorizing site personnel from the GC to sign inspections and other official permit required reports on behalf of Walmart as the permit holder.



TAB 3: Contractor's Signed NOI or Transfer or Co-Permittee Form

The Contractor shall complete the statement on the following page of this guide. The GC shall place this statement in the Jobsite Binder and upload to the Online Binder upon completion.

***COPY TEXT BELOW ONTO CONTRACTOR'S
COMPANY LETTERHEAD***

Walmart Permit State

In this state, Walmart is the sole Stormwater Permit holder. This tab is not applicable for this project.

GC Name GC Signature Title Date

TAB 4: State NPDES General Permit

Found in: SWMP 02370 Specification Appendix E, Tab 4

Contractor's Duties: GC places a copy of the Construction General Permit (CGP) in Tab 4 of the Jobsite Binder. The Contractor must read and understand the requirements of the applicable general permit.

When: Prior to the BMP certification and stormwater preconstruction meeting.

Why: This is a requirement of the permit. Copy of the CGP must be kept on site at all times.

Permit Expiration Guidance: The applicable General Permit expires March 31, 2024. Construction is anticipated to be completed before the expiration date of the general permit.

TAB 5: Walmart Stormwater Permit Authorization

Found in: Provided by owner in online SWMP Binder

Contractor's Duties: Print a hard copy of the Walmart Permit Authorization and place it in Tab 5 of the Jobsite Binder.

When: Prior to the BMP certification and stormwater preconstruction meeting, unless Walmart is not a permit holder for this project. See Introduction of the 02370 specification for an explanation of the permitting for this project.

Why: NPDES permits require a copy of the permit authorization be kept on site at all times throughout construction.

** This must also be posted on the SWMP entrance board **

TAB 6: General Contractor's Permit Authorization

The Contractor shall complete the statement on the following page of this guide. The GC shall place this statement in the Jobsite Binder and upload to the Online Binder upon completion.

***COPY TEXT BELOW ONTO CONTRACTOR'S
COMPANY LETTERHEAD***

Walmart Permit State

In this state, Walmart is the sole Stormwater Permit holder. This tab is not applicable for this project.

GC Name GC Signature Title Date

TAB 7a: Walmart SWMP Certification Letter

Found in: Online binder

Contractor's Duties: Contractor shall print from the Online binder and place in Jobsite binder.

When: Prior to the BMP certification and stormwater preconstruction meeting.

Why: NPDES permit requires the certification of the SWMP.



Realty EH&S Compliance
Stormwater Compliance Team
Mark S. Goldsmith, CPESC, CESSWI, QSM; Director EH&S Compliance

Mail stop 0505, 702 SW 8th St
Bentonville, AR 72716-0505
Phone 479-204-3314
www.walmart.com

#4335-543 Falcon, Colorado
Fuel Station
11550 Meridian Market View
Falcon, Colorado 80831

CERTIFICATION OF THE STORMWATER MANAGEMENT PLAN

GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES

General Permit Part I.A.3.e.i

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.

Sincerely,
Wal-Mart Real Estate Business Trust

Mark S. Goldsmith, CPESC, CESSWI, QSM
Director EH&S Compliance

Date

TAB 7b: General Contractor SWMP Certification Letter

Found in: Blank form provided on next page.

Contractor's Duties: Contractor shall place document on company letterhead, properly complete it, and have a corporate officer of the company sign and date the form. GC places signed form in Tab 7b of Jobsite Binder.

When: Prior to the BMP certification and stormwater preconstruction meeting.

Why: NPDES permit requires the certification of the SWMP.

NOTE to General Contractor: General Contractor's SWMP Certification – reproduce this document on company letterhead.

#4335-543 Falcon, Colorado
Fuel Station
11550 Meridian Market View
Falcon, Colorado 80831

**CERTIFICATION OF THE
STORMWATER MANAGEMENT PLAN**

**GENERAL PERMIT FOR STORMWATER DISCHARGES
FROM CONSTRUCTION ACTIVITIES**

General Permit Part I.A.3.e.i

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.

Sincerely,

Signature

Date

Printed Name

Title

Company

TAB 7c: Project's 02370 Specification

Found in: Section 02370 Specification.

Contractor's Duties: Make copy of 02370 specification, including all Appendices, and place in Jobsite binder.

When: Prior to the BMP certification and stormwater preconstruction meeting.

Why: NPDES permit requires that the SWMP be on site at all times. The 2370 specification is part of the SWMP.

TAB 8: Intentionally Left Blank

TAB 9: Site Best Management Practices & Preconstruction Meeting Certification

Found in: Web-based form in online SWMP reporting system provided by the Owner.

Contractor's Duties: Contractor, CM and Civil Engineer shall inspect all BMPs, SWMP Signage, SWMP postings, Jobsite binder, Online binder and conduct Preconstruction Meeting with all subcontractors known and engaged at the time of the meeting. GC, CEC Representative and CM (if present) shall complete, sign and submit form in online reporting system provided by owner.

When: Immediately after completion of the BMP certification and Preconstruction Meeting, and before the start of any earth disturbing activities.

Why: The BMP Certification is designed to ensure that the field BMPs are installed properly, in accordance with the SWMP, and that all SWMP-related documents, including necessary related permits, are present and properly completed. The preconstruction meeting is designed to ensure that subcontractors on the site understand their role in SWMP compliance. The BMP and Preconstruction Certification Form documents the BMP Certification and preconstruction meeting were properly conducted prior to beginning construction.

Agency Notification Requirement: The GC shall invite the agency(ies) listed below to the Stormwater Pre-Construction meeting as set forth in Compliance Specification Section 01351. The GC must invite noted agency(ies) to the Pre-Construction meeting at least 7 days prior to conducting the meeting.

There are no specific Pre-Construction Meeting requirements for CDPHE. A City of Arvada Stormwater Inspector must be invited to the Pre-Construction Meeting in order to sign off on the installation of the initial erosion control BMPs and sign the Site Disturbance Permit. Upon completion, the City of Arvada Site Disturbance Permit must be placed in the SWMP Binder, Tab 20 and a copy placed on the SWMP Information Sign.

Contractor shall work with agency officials to accommodate their preferred meeting dates.

**Colorado Department of Public Health and Environment
Water Quality Control Division
Permit Section, WQCD-PS-B2
4300 Cherry Creek Drive South
Denver, CO 80246**

**El Paso County Department of Public Works
3275 Akers Drive
Colorado Springs, CO 80922
(719) 520-6460**

**US EPA, Region 8
1595 Wynkoop Street
Denver, CO 80202
(303) 312-6312**

TAB 10a: Contractor / Subcontractor List

Found in: Jobsite Binder (GC may use any documentation tool most convenient to the management of the project, as long as the documentation contains details meeting the criteria outlined below. An optional list tool is available in the SWMP Online Binder.) A hard copy of the list must be kept in Tab 10 of the Jobsite Binder, with updated copies inserted as contractors / subcontractors are added.)

Contractor's Duties: Insert a new list each day that new contractors are added and place this list in the SWMP Jobsite binder.


When: Prior to the BMP certification and compliance preconstruction meeting and updated as new contractors come onto the site.

Why: Many of the permits require documentation of each contractor/operator on the construction site.

Guide to utilizing optional Contractor/Subcontractor Workspace tool

The GC may choose to utilize the tool in Tab 10b to create the contractor/subcontractor list. Each time a Tab 10b form is saved or submitted, the website updates the report. The report is the round icon, the first icon from the top in Tab 10a. (See below for what this looks like in the system.)

The screenshot shows a web application interface for a project titled "5875-000 (Orlando (Stable), FL) - Neighborhood Market". The breadcrumb path is "Wal-Mart Stores Inc. / SWPPP Binder / Florida". The top navigation bar includes icons for "Upload", "Hyperlink", "Form", "Folder", "Search", and "Access". The location is "5875-000 (Orlando (S... / Online Binder / Tab 10a - General Co...". The main content area shows a file browser on the left with a tree view containing folders like "SWPPP Critical Incide", "General Contract", "Agency Insq", "Sediment R", and "Attachme". On the right, a table lists reports:

Type	Name	Modified
<input type="checkbox"/>	 <u>Contractor and SubContractor List</u>	9/17/2010

A red box labeled "Report Icon" points to the globe icon in the table row.

Tab 10b Click on Form Icon to create new contractor/subcontractor form. Complete a new form for each contractor/subcontractor, and save the form. Once a new contractor has been added, and there are no more contractors to be added, return to Tab 10a, and click on the report icon to generate the new contractor/subcontractor list. Print the list, and place it in Tab 10a of the Jobsite Binder.

The screenshot shows the same web application interface as above, but with the breadcrumb path "10b - General Co...". The top navigation bar includes icons for "Upload", "Hyperlink", "Form", "Folder", "Search", and "Access". A red box labeled "Form Icon" points to the "Form" icon in the toolbar.

TAB 10b: Contractor / Subcontractor Certification

A contractor/subcontractor certification is **NOT REQUIRED** by CDPHE and Walmart.

However, if the GC desires to complete a certification program at the site, a sample certification form is provided for reference. Please note, this is not a CDPHE or Wal-Mart requirement. Also, if the GC has a specific company certification form, the contractor may use that form. The GC must follow the below guidance if the certification program is implemented.

Found in: Blank paper copy form provided in this Tab by CEC.

1. **Contractor's Duties:** Provide Compliance Orientation to each contractor/subcontractor prior to allowing the contractor/subcontractor to initiate any activities on the project site.
2. Each contractor / subcontractor (one per company) must fill out, and sign the paper form provided in this Tab. The form must be signed by an officer of the contractor / subcontractor company.
3. Place the signed hard copy in the SWMP Jobsite binder.

When: Immediately following the preconstruction meeting, and prior to any contractor / subcontractor beginning any work at the site.

Why: The applicable General Permit requires all contractors on site to certify their stormwater compliance obligations.

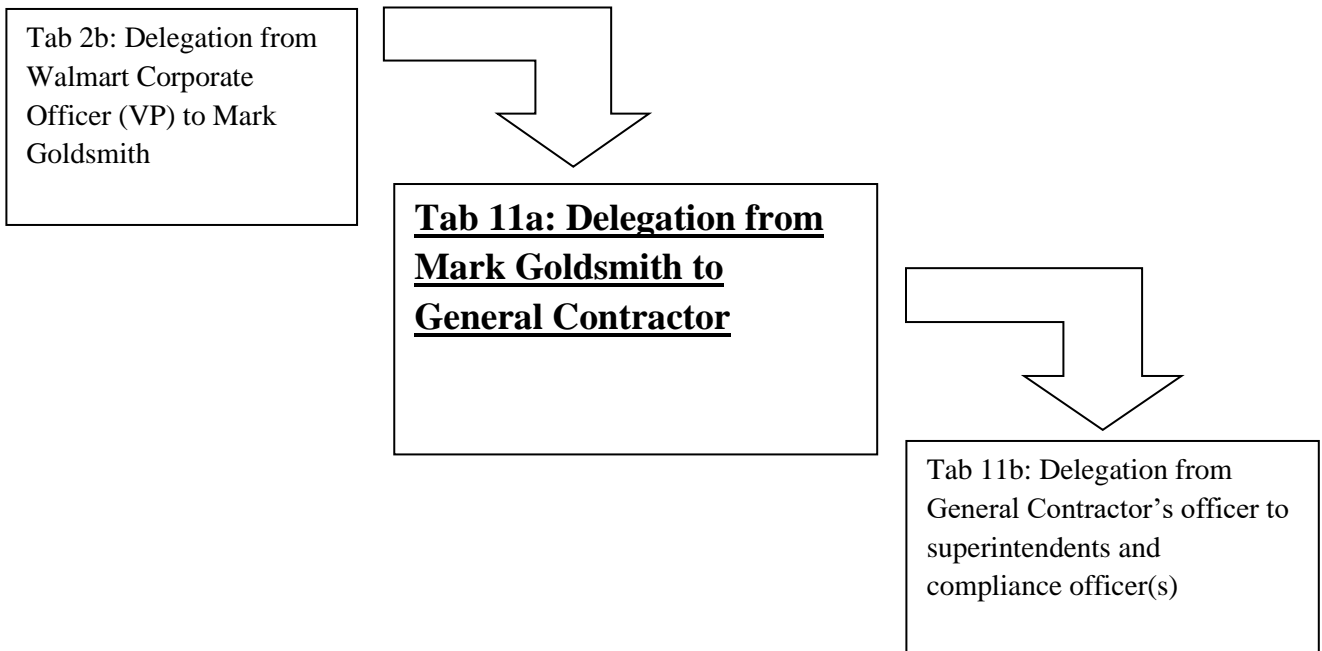
TAB 11a: Delegation of Authority Letter from Walmart to General Contractor

Found in: Blank form provided in this Tab by CEC.

Contractor's Duties: Contractor shall complete, submit to StormwaterCompliance@Walmart.com for signature. SWCT will upload the signed copy to the Online binder and notify the Contractor when the signed form is uploaded. Contractor shall print the signed copy and place in the Jobsite binder.

When: Signed copy shall be placed in Jobsite binder prior to the BMP certification and stormwater preconstruction meeting.

Why: This document is delegating the signing authority for SWMP documents to an officer of the general contractor from Mark Goldsmith. This is required as documents must be signed by an officer of the company. This document allows an officer of the general contractor to sign documents.





Realty EH&S Compliance

Stormwater Compliance Team

Mark S. Goldsmith, CPESC, CESSWI, QSM; Director EH&S Compliance

Mail stop 0505, 702 SW 8th St
Bentonville, AR 72716-0505
Phone 479-204-3314
www.walmart.com

DELEGATION OF AUTHORITY TO SIGN STORMWATER INSPECTION AND OTHER REPORTS

#4335-543 Falcon, Colorado. Fuel Station.

I, Mark S. Goldsmith, CPESC, Director of Stormwater Compliance of Walmart, Inc. and its entities, with the authority over stormwater compliance of all Owner construction, do hereby delegate project *Superintendents and Compliance Officers*, certified as Stormwater Professionals by Owner, of the below listed General Contractor the authority to sign/certify any and all stormwater inspection reports and/or related documents.

This authorization includes the authority to sign/certify any and all inspection forms and or associated reports in accordance with the National Pollutant Discharge Elimination System (NPDES) general permit for stormwater discharges from construction activities.

Sincerely,
Wal-Mart Real Estate Business Trust

Mark S. Goldsmith, CPESC, CESSWI, QSM
Director EH&S Compliance

Date

General Contractor

Company Name

Company Contact

Business Address

Business Phone Number

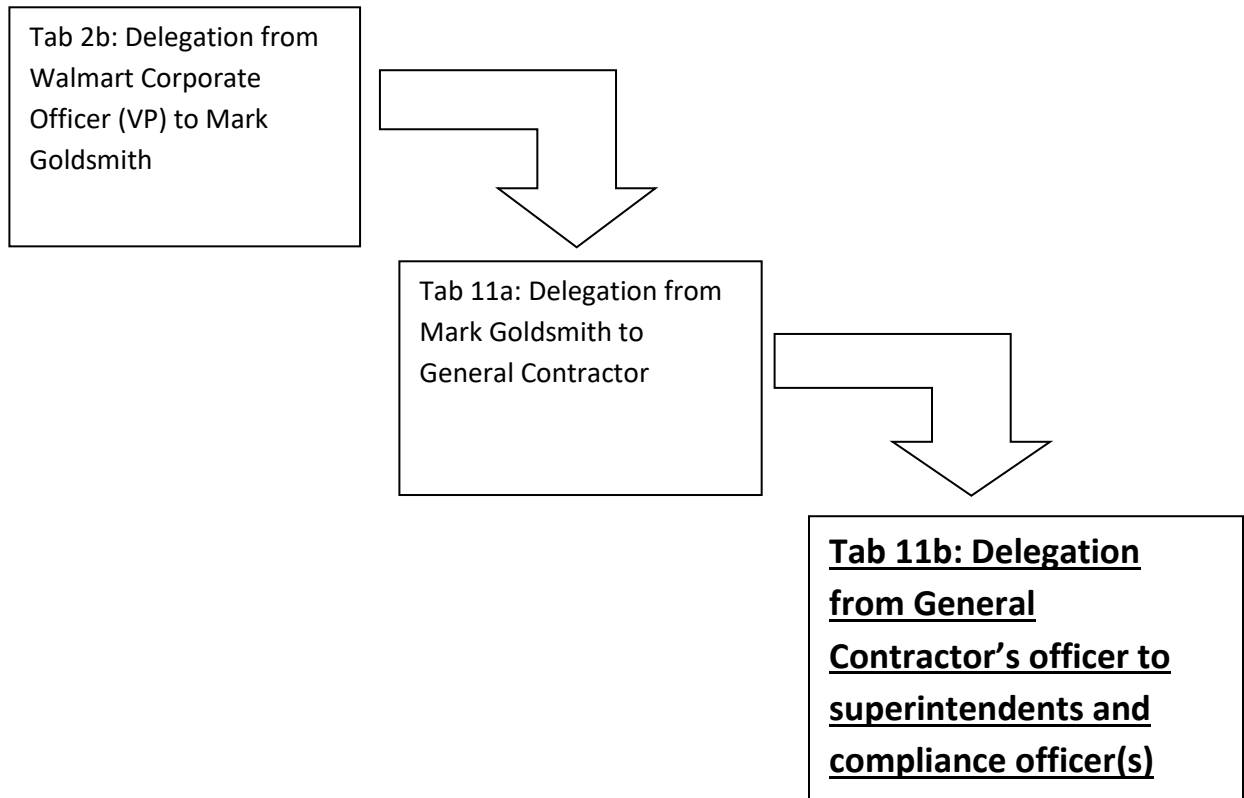
TAB 11b: General Contractor Signature Delegation Letter

Found in: Blank form provided in this Tab by CEC

Contractor's Duties: Contractor shall transfer this provided language to the contractor's company letterhead and have a corporate officer of the company sign and date the document. Contractor shall place in the Jobsite binder

When: Prior to the BMP certification and stormwater preconstruction meeting.

Why: This document is delegating the signing authority for SWMP documents to the superintendents and compliance officer(s) from an officer of the general contractor. This is required as documents must be signed by an officer of the company. This document allows superintendents and compliance officers to sign documents.



NOTE to General Contractor: [General Contractor shall complete this form on GC company letterhead]
NOTE to GC: [Send to the governing agency only if requested to do so.]

CERTIFIED MAIL RECEIPT
No. _____

#4335-543 Falcon, Colorado. Fuel Station.

Director of Governing Authority Stormwater Division:
Name:

Title:

Address:

Site Address:
1150 Meridian Market View
Falcon, Colorado 80831

Permit Authorization for Stormwater: [NOTE to GC: Provide permit authorization number or date of NOI]

**GENERAL CONTRACTOR
SIGNATURE DELEGATION FOR REPORTS**

**GENERAL PERMIT FOR
STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES**

I, the undersigned, hereby delegate [Company Name]'s Project Superintendent(s) or Compliance Officer(s) as the authorized signatory for all reports required by this permit and other information requested by the Director or authorized representative of the Director in accordance with the provisions of the General Permit.

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

Sincerely,

[Principal or Officer of the General Contractor]

Signature

Date

Printed Name

Title

Company

02370-67

#4335-543 Falcon, Colorado

05/17/2023

TAB 12: Inspection Reports

Found in: Online SWMP reporting system provided by the Owner.

Contractor's Duties: The Contractor's Project Superintendent shall conduct an inspection of all stormwater BMPs on the Site each weekday (excluding federal holidays) following the Certification of BMPs and until the NPDES permit is terminated in accordance with the permit termination requirements for which that Project Superintendent is responsible. BMPs (or Best Management Practices) shall mean schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the discharge of pollutants to waters of the United States as well as treatment requirements, operating procedures, and practices to control site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage. Any items not in compliance, or requiring maintenance, at any time during that day shall be marked as deficient on the daily report. See detailed instruction below.

Upon completion of the Inspection report, contractor shall sign, print, and place copy in the Jobsite binder. Original remains in online SWMP reporting system provided by the Owner. Do not upload copies to the Online binder.

When: Each day that inspection is made.

Why: Inspection and associated documentation is required by the Construction General Permit. Daily inspections and reporting are a contractual requirement. Inspections and reports must be complete to stay in compliance and to provide a historical record of events during a project. Inspections are also an important management function to ensure BMPs are in place and functioning properly to prevent the discharge of pollutants from the site.

STORMWATER INSPECTION INSTRUCTIONS:

Inspections shall be performed by a GC's Stormwater Compliance Certified Superintendent.

INSPECTOR QUALIFICATIONS.

The Inspector (Superintendent);

- Must possess an active Walmart Compliance Training Certificate
- Must have attained any other training qualification required by the applicable Federal, State, or local regulatory agency, or permit, to perform stormwater pollution prevention (or erosion and sediment control) inspections.

- Must be a person familiar with the site, and construction activities
- Must be qualified to evaluate both overall system performance and individual BMP performance.
- Must be someone empowered to implement BMPs to increase effectiveness to an acceptable level or someone with the authority to cause such implementation to occur.

There are no additional state or local stormwater site inspector certification requirements for this project.

INSPECTION FREQUENCIES & DEFICIENCY RESOLUTION REQUIREMENTS

Daily Inspections: The GC Superintendent must complete an inspection of the entire site and project SWMP Documentation each weekday (Monday through Friday, except U.S. Federally recognized Holidays). Upon completion of the inspection, the superintendent must fully, and accurately, document the findings of the inspection in an inspection report form in the online Stormwater Reporting System provided by the owner. The inspection report must be submitted on the same date (by midnight Central Time) as the inspection occurred. Daily Inspections must continue until construction is complete, and site conditions meet ALL termination requirements, including stabilization requirements, of the applicable permit.

REDUCED FREQUENCY GC INSPECTIONS

If allowed by the applicable General Permit, the Owner may approve the GC to reduce the frequency of Daily Stormwater Inspections and Reporting. The frequency of inspections may be reduced to Weekly, or Monthly depending on applicable permit minimum inspection frequency requirements. Weekly inspections must be conducted at least once every 7 calendar days, and Monthly inspections must be conducted at least once every 30 calendar days.

Required Site Criteria: To qualify for reduced inspection frequency, the following conditions must be present:

1. No active construction activities are occurring on the site; and
2. Adequate stabilization has been provided across the entire site.

NOTE: Daily Inspections must continue to be conducted until the Walmart Environmental Compliance Team approves the request and notifies the GC of such approval.

Steps to apply for reduced inspection frequency:

- 1) The site is adequately **stabilized**,

- 1) CEC must confirm that CGP allows for inspection frequency reduction and specify the CGP frequency requirements.
- 2) The GC requests a temporary inspection frequency reduction form from the ECT,
- 3) The GC completes and returns the applicable form to the ECT per form instructions, and
- 4) The ECT grants the reduction request and modifies the online SWMP reporting system frequency.

NOTE: The ECT may reject inspection frequency reduction requests at any time based on, but not limited to, site conditions, weather, inspection results, General Permit and/or Agency requirements.

Return to Daily Inspections

The GC may be required to return to Daily Inspection frequency at Owner's sole discretion based on observations of the owner's Construction Manager that contractor is either not effectively implementing the SWMP, or not properly maintaining the BMPs specified in the SWMP.

The GC may also be required to return to Daily Inspection frequency, if the project receives a Notice of Violation (NOV), or similar regulatory notice, resulting from the contractor's failure to properly implement the SWMP, or maintain the BMPs specified in the SWMP.

Deficiency Resolution:

Any deficiency identified during any inspection must be properly and accurately documented in the inspection report for that inspection. Proper documentation includes, but is not limited to, a description of the deficiency, cause of the deficiency and location description. Deficiencies must be resolved on the site and documented as resolved in the online SWMP Reporting system provided by owner by the end of the next calendar day. Deficiency resolution documentation must include a detailed description of what specific actions were taken to resolve the deficiency. If it is not possible to fully resolve a deficiency by the end of the next calendar day, the contractor must, at a minimum, initiate resolution actions by the end of the next calendar day, and document progress towards resolution each calendar day until the deficiency is fully resolved. Documentation of resolution and resolution progress must be made in the subsequent inspection reports via the online SWMP Reporting system provided by owner.

Inspection elements:

The inspection shall include, but is not limited to, the following (detailed instruction on inspection items for each SWMP element or BMP are provided with the accompanying BMP detail in the SWMP):

- **Rain gauge. Daily rainfall amount shall be documented in a Rainfall log.**
- **Site signage, including SWMP Information Sign**
- **Construction exit/wheel wash**
- **Site perimeter, and all discharge locations**
- **Runoff controls (water conveyances and impoundments)**
- **Site interior BMPs and management techniques**
- **Stabilization and erosion controls**
- **Fugitive dust**
- **Dewatering**
- **Run-on**
- **Stockpile management**
- **Material Handling, Storage, and Disposal**
- **Washout Containment (concrete, dry wall, paint, etc.)**
- **Portable restrooms**
- **Documentation**
- **Project Office Wall SWMP Postings**
- **Construction Drawings (Site Maps)**
- **SWMP Binder (Jobsite and Online)**

Inspections must be conducted to determine the effectiveness of the SWMP, and identify any needed maintenance, repairs or modifications to maintain the site in compliance with the Construction General Permit, other applicable ordinances and laws, and the SWMP. Deficiencies must be recorded in the Stormwater Inspection Report and any self-inspection forms required by the agency/ies having jurisdiction (AHJs). Based on these inspections, the GC shall determine whether it is necessary to modify this SWMP, add or relocate controls, or revise or implement additional Best Management Practices to prevent pollutants from leaving the site. Before any changes are implemented, the GC shall obtain approval from the CM and CEC. The GC has the duty to cause pollutant control measures to be repaired, modified, supplemented, or take additional steps as necessary to achieve effective pollutant control.

NOTE: If a BMP is covered by snow, mark the BMP question as Yes, or not applicable, and document the reason the BMP cannot be inspected on the inspection report. If portions of a BMP are visible, inspect those and report accordingly.

The Stormwater Inspection Report Form must identify all deficiencies, any corrections, whether those are identified during the current inspection or have occurred since the previous inspection, and any additional comments. **Based on inspection results, any modification necessary to repair deficient items or to increase effectiveness of this SWMP to an acceptable level must be made immediately and must be completed by the end of the business day following the inspection that identified the issue.** The inspection reports must be complete and additional information should be included if needed to fully describe a situation. An important aspect of the inspection report is the description of additional measures that need to be taken to enhance plan effectiveness. The inspection report must identify whether the site was in compliance with the SWMP at the time of inspection and specifically identify all incidents of non-compliance. Inspection reports must include an original, authorized signature and date of the inspection. Inspection reports must be retained by the GC as an integral part of this SWMP.

STATE-SPECIFIC OR LOCAL INSPECTION FORMS:

There are no state-specific or local-specific stormwater inspection forms required for this project.

MONTHLY STORMWATER OVERSIGHT INSPECTIONS:

Inspections performed by the GC SWMP certified Superintendent shall be accompanied by the Owner's Construction Manager one or more times within every 30 calendar days. A GC Superintendent, or Project Manager, must be available on site to conduct the required inspection, and participate with the Owner's Construction Manager.

TAB 13: This Tab Intentionally Blank

TAB 14: Incident Reports

Spills, Sediment Releases & Agency Site Visits

Found in: Online Walmart Workspace - SWMP critical incident - subfolders

Contractor's Duties: Contractor shall complete tasks as listed on the SWCT Placard, including creating a critical incident form, and submitting "before" and "after" photos, with descriptive captions in PDF format, identifying any deficiencies noted by an agency, and uploading a copy of any agency report (if provided) on that form.

When: On the same day that any incident occurs (spill, sediment release or Agency Site Visit)

If additional information (manifests, lab results, directives, etc.) is received at a later time, then the critical incident report must be amended to reflect the new information.

If an agency report is received at a later date, or when correction photos are taken at a later date, then the critical incident report must be amended to reflect the new information.

To amend a form, the contractor must click the "Update This Form" button at the bottom of the critical incident form. This will allow the contractor to upload documents to the critical incident form. After documents all are uploaded, click the "Save" button at the bottom of the form.

NOTE: GC must utilize a new form for each new incident. DO NOT update existing forms for a new incident.

Why: The reporting of spills and sediment releases is a requirement of many permits and regulations, and reporting these incidents, as well as Agency Site Visits is a requirement of the contract for this project.

Detailed Instruction for Sediment Releases and Spills

The SWCT must be notified each and every time sediment is allowed beyond the permitted limits of disturbance, or a material is spilled on the jobsite. This includes sediment that is discharged via designed stormwater discharge points. Stormwater that leaves the permitted limits of disturbance, and is not transparent or has turbidity, contains soil particles (sediment), and must be treated as a sediment release. If sediment release is detected through monitoring and there is an exceedance of a turbidity discharge limit, refer to APPENDIX D for instruction on reporting requirements, in addition to the following:

All sediment releases must be reported to the SWCT via an online Critical Incident form.

If a sediment release or spill occurs on the project site, GC must immediately:

- 1) Complete a sediment release or spill Critical Incident form in the online SWMP reporting system provided by the Owner.
- 2) Submit an RFI to the CEC for remediation and cleanup guidance.

- 3) Upload related documents within the online SWMP reporting system provided by the Owner.
- 4) Transfer sediment release/spill information to the Daily report, follow up, and resolve as appropriate.

See “Material Management” on the Notes Page of the Plan Set for instruction on Spill Pollution Prevention and proper reporting of petroleum or hazardous material spills to government agencies

Detailed Instruction for Agency Site Visits: Any time an agency representative, for an agency which has jurisdiction for stormwater, or erosion and sediment control, enters the site for any reason, an Incident Report must be submitted in the online system provided by the owner for that purpose. If the agency representative is on site for an inspection, a project Superintendent must walk the site with the regulatory agency representative and document any deficiencies, or areas needing improvement, or modification, noted during the site visit.

Deficiencies of any type, field or documentation-related, identified during the agency site visit must be entered in a Stormwater Inspection Report on the day of the agency site visit, as a deficiency, and resolved promptly according to specification, and contract, requirements. In the event complete resolution is not possible the same day, GC must initiate repairs immediately and complete as soon as possible. GC must also document progress towards resolution in each GC inspection report until deficiency is fully resolved. An additional GC Inspection report must be submitted if the agency site visit occurs after a GC inspection report was submitted and the agency representative identifies any deficiencies, or areas needing improvement or modification, not previously noted on the GC’s Inspection Report. In addition, deficiencies of any type, field or documentation-related, identified during the agency site visit must be added to applicable self-inspection forms required by the agency/ies having jurisdiction (AHJs). The associated follow up and resolution must be documented in AHJ forms.

TAB 15: SWMP Implementation Log

Found in: Jobsite Binder (GC may use any documentation tool, or scheduling program, most convenient to the management of the project, as long as the documentation contains details meeting the criteria outlined below. An optional log is available in the SWMP Online Binder.) A hard copy of the log must be kept in Tab 15 of the Jobsite Binder, with updated copies inserted weekly.)

Contractor's Duties: Document the beginning, installation or start date, as well as the finish, removal or end date, location and responsible contractor for all:

- BMP-related activities
- Major grading activities
- Utilities
- Other earth-disturbing activities
- Temporary stabilization
- Permanent stabilization

NOTE: Contractor shall divide work into segments where logged duration shall not exceed two weeks. **EXAMPLE:** Installation of storm sewer is expected to take 8 weeks. Divide work into 4 segments (north segment 0+00 through 4+00, north segment 4+00 through 6+52, south end with outfall to pond, and west of building) so that each segment has a 2-week duration for tracking.

STEPS When utilizing “Optional” SWMP Implementation Log: Repeat the following steps for each of the above-named activities while logged into the Online binder under Tab 15.

1. Click the “Form” icon. (Similar to icon referenced in Tab 10b. instruction) You need to rename the form before clicking create. (Use a descriptive name, a sequential number, or a combination of both). Populate the following fields: Description of Activity, Location, Contractor, and Begin Date. Save the form.
2. When the task is completed, open the form again and populate End date. **Click submit.**

When: The Contractor should document activities daily, or as they occur. Print the log a minimum of once per week and place in Tab 15 of the Jobsite binder.

** Each time a form is saved or submitted, the website updates the report. The report is the round icon, the first icon from the top in this folder. (Similar to icon referenced in tab 10a.) **

Why: Documentation is required by the general permit, and it is a contractual requirement. Recording activities in the log must be kept current to stay in compliance, to provide a historical record of events during a project and documents the implementation of the SWMP.

THE FOLLOWING IS PROVIDED FOR EXAMPLE ONLY - REPLACE WITH SITE-SPECIFIC FORM ONCE PROJECT HAS INITIATED

SITE STABILIZATION and CONSTRUCTION ACTIVITY DATES

A record of dates when BMPs are installed or removed, stabilization measures are initiated, major grading activities occur, and construction activities temporarily or permanently cease on portion of the site. This form must be updated continuously throughout the project until the Notice of Termination (NOT) is filed.

MAJOR STABILIZATION AND GRADING ACTIVITIES

Description of Activity:	Install perimeter silt fence for initial BMP installation. Cleared only area necessary for fence installation.	Submitted:	<input checked="" type="checkbox"/>
Location:	Site Perimeter		
Contractor:	Soil Guardian, Inc.	Begin Date:	5/1/2012
		End Date:	5/3/2012
Description of Activity:	Construction Entrance Installed with geotextile underlayment and 2-3" rock.	Submitted:	<input checked="" type="checkbox"/>
Location:	North End of Project		
Contractor:	Soil Guardian, Inc.	Begin Date:	5/4/2012
		End Date:	5/4/2012
Description of Activity:	Installed sediment trap adjacent to construction entrance	Submitted:	<input checked="" type="checkbox"/>
Location:	North side of project		
Contractor:	Soil Guardian, Inc.	Begin Date:	5/7/2012
		End Date:	5/8/2012
Description of Activity:	Geotextile insert inlet protection devices installed on all inlets in existing parking lot north of the proposed disturbed area.	Submitted:	<input checked="" type="checkbox"/>
Location:	North of proposed site activity in existing parking lot		
Contractor:	Soil Guardian, Inc.	Begin Date:	5/7/2012
		End Date:	5/8/2012
Description of Activity:	Sediment Basins #1 and #2 cleared, graded and stabilized with seed and straw erosion control matting	Submitted:	<input checked="" type="checkbox"/>
Location:	Basin #1 - West boundary; Basin #2 - East Boundary		
Contractor:	Soil Guardian, Inc.	Begin Date:	5/8/2012
		End Date:	5/16/2012
Description of Activity:	Diversion ditches #1 and #2, feeding Sediment Basins #1 and #2 being cleared, graded and stabilized.	Submitted:	<input checked="" type="checkbox"/>
Location:	#1 - Central flowing west to Basin #1; #2 - central flowing east to Basin #2		
Contractor:	Soil Guardian, Inc.	Begin Date:	5/14/2012
		End Date:	5/23/2012
Description of Activity:	Rock check dams installed in Diversion Ditches #1 and #2 at SWPPP-specified spacing.	Submitted:	<input checked="" type="checkbox"/>
Location:	Every 50 ft in Ditches #1 and #2		
Contractor:	Soil Guardian, Inc.	Begin Date:	5/15/2012
		End Date:	5/17/2012
Description of Activity:	Began clearing and grubbing building pad after certification of sediment basins and ditches	Submitted:	<input checked="" type="checkbox"/>
Location:	Building Pad, north portion of overall site		
Contractor:	Compliance Construction	Begin Date:	5/21/2012
		End Date:	5/31/2012
Description of Activity:	Building pad grading, soil from Sediment Basin utilized for fill material	Submitted:	
Location:	Building Pad Quadrants #1 (NE) and #2 (NW)		
Contractor:	Compliance Construction	Begin Date:	6/1/2012
		End Date:	

02370

Walmart Store #Evoco Test

Printed: 6/11/2012

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#4335-543 Falcon, Colorado

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TAB 16: This Tab Intentionally Blank

TAB 17: Pre-NOT (Notice of Termination) Report

Found in: This document consists of photos GC will provide to Owner as described below.

Contractor's Duties:

- The Contractor shall write via email to the Owner's Construction Manager (CM) when
 - all construction has been completed;
 - site has achieved permanent final stabilization which meets the General Permit requirements; and
 - the following have been removed from site:
 - all temporary BMPs;
 - all equipment;
 - all materials; and
 - all waste dumpsters.
- When the CM concurs, contractor shall produce photo documentation as described below in Procedure.
- If State or Local AHJ requires a Final Report of Compliance or Permanent Stabilization inspection before the NOT can be filed, then GC must ensure such inspection takes place before photos are taken.
 - On the date of the agency inspection, the GC must complete an Incident Report, as described in Tab 14. Copy of such agency inspection report must be uploaded to the associated Incident Report.

When: When all construction has been completed, and site has achieved permanent final stabilization which meets the General Permit requirements.

Why: To verify the site meets the permit requirements to file the Notice of Termination.

PROCEDURE

After CM concurs that preNOT conditions have been met and, if applicable, AHJ Final inspection report has been delivered to GC or Owner, contractor shall:

- Take photos that illustrate the ground cover throughout the site;
 - Assemble photos at two per page, vertical/portrait layout. Do not create photo mosaics or compositions. Convert file to Adobe PDF file. Include photos numbers. Use captions to clarify special circumstances.
- Send email message to StormwaterCompliance@Walmart.com
 - Subject must include store #, sequence #, city, state – preNOT photos;
 - Body of message must state, at a minimum: Please find attached preNOT photos by GC for review by SWCT;
 - GC copies CM in this message.

SWCT will review and notify CM and GC via email of its decision to

- Either allow the last CM inspection;
- Or require GC to complete corrections and continue maintenance of vegetative cover until it is adequate.

The Owner's Construction Manager and superintendent will perform the final inspection.

TAB 18: Notice of Termination (NOT) – General Contractor and/or Walmart

Found in:

- If GC is permittee, GC prepares, signs and submits it's NOT/s to agency, and provides copies to owner via email StormwaterCompliance@Walmart.com.
- If Walmart or another owner is(are) permittee, CEC prepares NOT form. In turn, permittee signs and submits.

Contractor's Duties: If the stormwater permit is held in the contractor's name, the contractor shall file the NOT immediately upon completion of the final CM inspection. The contractor shall place the completed paperwork in the Jobsite binder and upload to Online binder. The contractor shall place the paperwork that will be used for the NOT in this tab (in the Jobsite and Online binders) until the project is ready to NOT.

If the permit is in Walmart's name, Walmart will process the NOT paperwork. The contractor shall print and place the paperwork in the Jobsite binder.

When:

- The blank paperwork must be printed and placed in the Jobsite and Online binder prior to the BMP certification and stormwater preconstruction meeting.
- Immediately upon completion of the final CM inspection report the NOT must be completed as noted above.

Why: Filing of the Notice of Termination completes and closes out the permit.

**Note: Contractor is required to retain all documents for 5 years as per the contract. **

TAB 19: RFIs and Stormwater-Related Directives and Guidance (to or from Walmart or CEC.)

Found in: These documents can be received from Walmart or the Civil Engineering Consultant (CEC). (Including RFIs or other communications regarding changes/modifications/clarifications to the SWMP.)

Contractor's Duties: Contractor shall keep these updated at all times in the Jobsite binder, as well as post the documents to the SWMP drawings, as needed.

When: Day of receipt.

Why: Documents approvals for changes to the SWMP. The contractor must have written copies of approval for SWMP changes before proceeding with changes. All communications shall be made through official channels. (i.e. RFI, CCD.).

TAB 20: Stormwater-Related Documents, Non-NPDES Environmental Permits (both State and Local) and Additional Permit Requirements

Found in: These can be documents received from or sent to any governing agency / AHJ. The CEC may provide 401 Water Quality Certifications, 404 Wetland Permits, or any other environmental permits (stream crossing permits, prairie restoration projects, brownfield projects, wildlife habitat, wetland mitigation, soil or groundwater remediation, etc.) obtained prior to construction in this Tab. In addition, the CEC will provide instruction on additional permit compliance requirements that are unique to the site and are not part of the standard 02370 specification.

Contractor's Duties: Contractor shall keep non-NPDES permit documentation, including any correspondence to/from any agency, current at all times in the Jobsite binder, as well as post the documents to the SWMP drawings, as needed. The Contractor shall also keep any documentation required for compliance with permit conditions indicated in this Tab by the CEC (wetland mitigation verifications, etc.)

When: Day of receipt.

Why: Contractor must document all communications with governing agencies, so there is a written record of communication. Contractor must also maintain compliance with all permit conditions not standard in the 02370 and with all conditions of non-NPDES environmental permits.

Environmental, Stormwater, and Additional Regulatory Requirements and Obligations:

- CO Change of Contact Form
- CO Dewatering GP
- CO Dewatering Supplement Form
- CO Permit Modification Form
- CO Permit Supplement Form
- CO Permit Transfer Form
- County Erosion and Stormwater Quality Control Permit
- County MS4 Post Construction Form
- County Standard Grading and Erosion Control Plan Notes
- Phase I Environmental Site Assessment
- US Fish and Wildlife Service Submittal (Endangered Species List)
- National Wetland Inventory Map
- National Register of Historic Places
- FEMA Flood Map
- United States Department of Agriculture Soil Survey

Differences Between Walmart SWMP and Colorado Permit:

- Allowable non-stormwater discharges

THREATENED AND ENDANGERED SPECIES

This information is not required by the General Permit. However, based on site visits to the area and aerials of the site, it is anticipated that no threatened and endangered species will be impacted due to the construction activities. The entire project limits are located on existing impervious surface at an existing shopping center parking lot.

HISTORIC PROPERTIES

This information is not required by the General Permit. However, based on site visits to the area and aerials of the site, it is anticipated that no historical properties will be impacted due to the construction activities. The entire project limits are located on existing impervious surface at an existing shopping center parking lot.

TAB 21: Off-site Location Usage Documentation

Material/Equipment Storage, Borrow & Export Locations

Found in: Blank form provided in this Tab by CEC.

Contractor's Duties:

- Contractor shall ensure all off-site locations are properly permitted, or licensed, for the intended usage (e.g. Material/Equipment Storage, borrow site, export/excess material disposal site). For the purposes of this project, any property that is not a Licensed Commercial/Industrial Facility, such as a quarry or landfill, **must have a valid NPDES permit** to be utilized for borrow or excess material disposal.
- Contractor shall fill out the documents in this Tab and keep these documents current as any off-site areas are identified for use as material/equipment storage, Import of fill or Export of excess soil, rock or vegetative waste (e.g. trees, brush, etc.) materials. (Documentation for any specific off-site area must be completed prior to the use of that specific off-site area.)
- All documentation shall be posted on the project office trailer wall next to the site maps by the contractor, and a copy inserted into this tab of the Jobsite binder.
- These documents must be updated as conditions change and prior to commencement of usage/import/export activities or if there is a change in the usage/import/export areas.

When: Day of receipt.

Material/Equipment Storage, Import or Export Documentation: The contractor must complete this form prior to initiation of use (e.g. Material/Equipment Storage, import and/or export activities), and place completed documents in the Jobsite binder, as well as post, with location map(s) of all off-site property (ies) being utilized, next to the site maps from the SWMP on the project office trailer wall.

Why: The location of import / export sites must be posted next to the Construction Drawings as a requirement of the permit. It is also important to document all off-site locations utilized to support the project, and ensure they are properly permitted.

Anticipated Earthwork Quantities:
Site rough grading: 150 cu yd

Material Storage, Import, or Export Activities Outside of Permitted Limits of Disturbance: This section describes roles and responsibilities of the Owner's GC in verifying and documenting that activities associated with project site construction and material storage, import, or export activities outside of the Permitted Limits of Disturbance have obtained proper coverage under the NPDES program.

Definitions Applicable to this Section

1. **Commercial Facility** – Any commercial facility or supplier that sells or provides materials

- (rock, soil, mulch, etc...) as part of their standard business. Examples include landscape supply companies and sand and gravel supply companies.
2. **Industrial Permitted Facility** – Any facility that accepts or provides material that has a current, active National Pollutant Discharge Elimination System (NPDES) industrial stormwater permit, or other government issued permit to operate. Examples include landfills, sand and gravel operations, quarries, mines, etc.
 3. **Limits of Disturbance** (Permitted Project Area) - Any area of the Project Site for which the operator(s) are authorized to disturb the ground surface or conduct construction-related activities (i.e. areas shown inside the Limits of Disturbance on the Site Maps in the SWMP).
 4. **Off-site** – Any area outside the Limits of Disturbance (LOD) as shown on the Site Maps in the SWMP. The LOD is not necessarily the same as the property Ownership boundary.

Material/Equipment Storage, Import, or Export Documentation
For locations Outside of this project's Permitted Limits of Disturbance

#4335-543 Falcon, Colorado. Fuel Station.

General Contractor (GC) (company name): _____

GC Stormwater Contact (name and phone number): _____

Material/Equipment Storage, Import, Or Export Area Information	
Name of Off-site Facility	
Address of Off-site Facility (Also must post location map of each off-site location)	
Contact Name and Title, Mailing Address and Phone of Facility Material is Being Transferred to or From	
General Description of Storage, Import, or Export (E.G., Top Soil / Clay/ Sand / Rock)	

1) Who will responsible for transporting the material? Provide contact information

2) Dates Of Storage, Import, Or Export

Start Date _____

End Date _____

3) Material - Total Quantity Estimate (Cu-Yd) : _____

4) The Off-site Storage, Import, Or Export location Is:

Commercial/Industrial Facility (e.g. Quarry, landfill, etc.)

Active Construction Site

Other (Describe): _____

NPDES Permit # of off-site location: _____

(Required if Construction site or "Other" above)

5) Area of the Storage, Import, or Export Site?

Total _____

Disturbed _____

