

**Storm Water Pollution Prevention Plan (SWPPP) Completeness Checklist**

**Permittee:** Dassault Falcon Jet Corp.  
**Project Name:** New UPH and Cabinet Shop Addition  
**Project City:** Little Rock

**Tracking Number:** ARR15 4481  
**Location of SWPPP on-site:** primary construction entrance

**Yes = Complete**  
**No = Incomplete/Deficient**  
**N/A = Not applicable to project**

Yes	No	N/A	A. A site description, including:	Permit Section Citation	Notes
x			1. Project description, intended use after NOI is filed	Part II.A.4.A.1	
x			2. Sequence of major activities	Part II.A.4.A.2	
x			3. Total & disturbed acreage	Part II.A.4.A.3	
x			4. Pre- and post-construction runoff coefficient OR soil/discharge data	Part II.A.4.A.4	

x			<b>B. Responsible Parties: All parties dealing with the SWPPP and the areas they are responsible for on-site.</b>	Part II.A.4.B	
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C. Receiving Water.					
x			-MS4 Name	Part II.A.4.C	
x			-Ultimate Receiving Water	Part II.A.4.C	

D. Documentation of permit eligibility related to Impaired Water Bodies and Total Maximum Daily Loads (TMDLs).					
		x	1. Identify pollutant on 303(d) list or TMDL	Part II.A.4.D.1	
		x	2. Is construction activity or the specific site listed as cause?	Part II.A.4.D.2	
		x	3. Measures taken to reduce pollutants from the site.	Part II.A.4.D.3	

x			<b>E. Attainment of Water Quality Standards After Authorization.</b>	Part II.A.4.E	
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x			<b>F. Site Map --- See End of Evaluation Form</b>	Part II.A.4.F	
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G. Description of Controls:					
1. Erosion and sediment controls, including:					
x			a. Initial site stabilization	Part II.A.4.G.1.a	
x			b. Erosion and sediment controls	Part II.A.4.G.1.b	
x			c. Replacement of inadequate controls	Part II.A.4.G.1.c	
x			d. Removal of off-site accumulations	Part II.A.4.G.1.d	
x			e. Maintenance of sediment traps/basins @ 50% capacity	Part II.A.4.G.1.e	
x			f. Litter, construction debris and chemicals properly handled	Part II.A.4.G.1.f	
		x	g. Off-site storage areas and controls	Part II.A.4.G.1.g	

2. Stabilization practices:					
x			a. Description and schedule for stabilization	Part II.A.4.G.2.a	
		x	b. Description of buffer areas	Part II.A.4.G.2.b	
x			c. Records of stabilization	Part II.A.4.G.2.c	
x			d. Deadlines for stabilization	Part II.A.4.G.2.d	

3. Structural Practices:					
x			-Describe structural practices to divert flows, store flows, or otherwise limit runoff	Part II.A.4.G.3	
		x	a. Sediment basins	Part II.A.4.G.3.a.1	
		x	-Are more than 10 acres draining to a common point? If so, are sediment basins included?	Part II.A.4.G.3.a.1	
		x	-Sediment basin dimensions and capacity description and calculations	Part II.A.4.G.3.a.1	
x			-If a basin wasn't practicable, are other controls sufficient?	Part II.A.4.G.3.a.1	
x			b. Velocity dissipation devices concentrated flow from 2 or more acres	Part II.A.4.G.3.b	

H. Other controls including:					
x			1. Solid waste control measures	Part II.A.4.H.1	
x			2. Vehicle off-site tracking controls	Part II.A.4.H.2	
x			3. Compliance with sanitary waste disposal	Part II.A.4.H.4	
x			4. Does the site have a concrete washout area controls?	Part II.A.4.H.5	
x			5. Does the site have fuel storage areas, hazardous waste storage and/or truck wash areas controls?	Part II.A.4.H.6	

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			<b>Permit Section Citation</b>	<b>Notes</b>
<input checked="" type="checkbox"/>			Part II.A.4.J	
<input checked="" type="checkbox"/>			Part I.B.12.C	
<b>I. Identification of allowable non-storm water discharges</b>				
<input checked="" type="checkbox"/>				-Appropriate controls for dewatering, if present
<b>J. Post construction stormwater management.</b>				
<input checked="" type="checkbox"/>			Part II.A.4.J	
<b>K. State or local requirements incorporated into the plan.</b>				
<input checked="" type="checkbox"/>			Part II.A.4.K	
<b>L. Inspections</b>				
<input checked="" type="checkbox"/>			Part II.A.4.L.1	1. Inspection frequency listed?
<input checked="" type="checkbox"/>			Part II.A.4.L.2	2. Inspection form
<input checked="" type="checkbox"/>				Ours.
		<input checked="" type="checkbox"/>		If not ours, does it contain the following items:
		<input checked="" type="checkbox"/>	Part II.A.4.L.2.a	a. Inspector name and title
		<input checked="" type="checkbox"/>	Part II.A.4.L.2.b	b. Date of inspection.
		<input checked="" type="checkbox"/>	Part II.A.4.L.2.c	c. Amount of rainfall and days since last rain event (14 day only)
		<input checked="" type="checkbox"/>	Part II.A.4.L.2.d	d. Approx beginning and duration of storm event
		<input checked="" type="checkbox"/>	Part II.A.4.L.2.e	e. Description of any discharges during inspection
		<input checked="" type="checkbox"/>	Part II.A.4.L.2.f	f. Locations of discharges of sediment/other pollutants
		<input checked="" type="checkbox"/>	Part II.A.4.L.2.g	g. BMPs in need of maintenance
		<input checked="" type="checkbox"/>	Part II.A.4.L.2.h	h. BMPs in working order, if maintenance needed (scheduled and completed)
		<input checked="" type="checkbox"/>	Part II.A.4.L.2.i	i. Locations that are in need of additional controls
		<input checked="" type="checkbox"/>	Part II.A.4.L.2.j	j. Location and dates when major construction activities begin, occur or cease
		<input checked="" type="checkbox"/>	Part II.A.4.L.2.k	k. Signature of responsible/cognizant official
<input checked="" type="checkbox"/>			Part II.A.4.L.3	3. Inspection Records
<input checked="" type="checkbox"/>			Part II.A.4.L.4	4. Winter Conditions
<input checked="" type="checkbox"/>			Part II.A.4.L.5	5. Adverse Weather Conditions
<b>M. Maintenance Procedures</b>				
<input checked="" type="checkbox"/>			Part II.A.4.M	
<b>N. Employee Training</b>				
<input checked="" type="checkbox"/>			Part II.A.4.N	
<b>Signed Plan Certification</b>				
<input checked="" type="checkbox"/>			Part II.A.7. and Part II.B.10	
<b>F. Site Map showing:</b>				
<input checked="" type="checkbox"/>			Part II.A.4.F.1	1. Pre-construction topographic view
<input checked="" type="checkbox"/>			Part II.A.4.F.2	2. Drainage flow
<input checked="" type="checkbox"/>			Part II.A.4.F.2	3. Approximate slopes after grading activities
<input checked="" type="checkbox"/>			Part II.A.4.F.3	4. Areas of soil disturbance and areas not disturbed
<input checked="" type="checkbox"/>			Part II.A.4.F.4	5. Location of major structural and non-structural controls.
<input checked="" type="checkbox"/>			Part II.A.4.F.5	6. Location of main construction entrance and exit.
<input checked="" type="checkbox"/>			Part II.A.4.F.6	7. Areas where stabilization practices are expected to occur.
		<input checked="" type="checkbox"/>	Part II.A.4.F.7	8. Locations of off-site materials, waste, borrow area or storage area.
<input checked="" type="checkbox"/>			Part II.A.4.F.8	9. Locations of areas used for concrete wash-out.
<input checked="" type="checkbox"/>			Part II.A.4.F.9	10. Locations of surface waters on site.
<input checked="" type="checkbox"/>			Part II.A.4.F.10	11. Locations where water is discharged to a surface water or MS4.
<input checked="" type="checkbox"/>			Part II.A.4.F.11	12. Storm water discharge locations.
<input checked="" type="checkbox"/>			Part II.A.4.F.12	13. Areas where final stabilization has been accomplished.



ARKANSAS  
SECRETARY OF STATE

*Mark Martin*

*Search Incorporations, Cooperatives, Banks and Insurance Companies*

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Corporation Name	DASSAULT FALCON JET CORP.
Fictitious Names	
Filing #	100060300
Filing Type	Foreign For Profit Corporation
Filed under Act	For Bus Corp; 958 of 1987
Status	Good Standing
Principal Address	200 RISER ROAD LITTLE FERRY, AR 07643
Reg. Agent	UNITED STATES CORPORATION COMPANY
Agent Address	300 SPRING BUILDING, SUITE 900 300 S. SPRING STREET LITTLE ROCK, AR 72201
Date Filed	03/20/1975
Officers	SEE FILE, Incorporator/Organizer JOHN G. ROSANVALLON , President PETER S. ROTHWELL , Secretary ANTOINE AJARRISTA , Vice-President ROBERT H. GOGERTY , Treasurer ARMAND J. PRIORE , Controller
Foreign Name	N/A
Foreign Address	TETERBORO AIRPORT, NEW JERSEY 07608 X
State of Origin	DE

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**[Pay Franchise Tax for this corporation](#)**

# Delaware

PAGE 1

*The First State*

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "DASSAULT FALCON JET CORP." IS DULY INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL CORPORATE EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE EIGHTEENTH DAY OF JULY, A.D. 2013.

AND I DO HEREBY FURTHER CERTIFY THAT THE SAID "DASSAULT FALCON JET CORP." WAS INCORPORATED ON THE FIFTEENTH DAY OF JULY, A.D. 1969.


AND I DO HEREBY FURTHER CERTIFY THAT THE FRANCHISE TAXES HAVE BEEN PAID TO DATE.

AND I DO HEREBY FURTHER CERTIFY THAT THE ANNUAL REPORTS HAVE BEEN FILED TO DATE.

0720730 8300

130895097



  
Jeffrey W Bullock, Secretary of State  
AUTHENTICATION: 0598018

DATE: 07-18-13



# **DASSAULT FALCON NEW UPH SHOP AND CABINET SHOP ADDITION**

**LITTLE ROCK, ARKANSAS**

**Stormwater Pollution Prevention Plan (SWPPP)**

**National Pollutant Discharge Elimination System (NPDES)  
General Permit # ARR150000**

**Prepared for:**

Dassault Falcon  
3801 East 10<sup>th</sup> Street  
Little Rock, AR 72203

**Date:**

June 02, 2014

**Prepared by:**

FTN Associates, Ltd.  
3 Innwood Circle, Suite 220  
Little Rock, AR 72211

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Attachment B: Figures

Attachment C: Erosion and Sediment Control Details

Attachment D: Runoff Coefficient Computations

Attachment E: NCSS Soil Survey

Attachment F: Inspection Forms

Attachment G: Corrective Action Logs

Project Name and Location: Dassault-Falcon New UPH Shop and Cabinet Shop Addition, Little Rock, AR

Operator Name and Address: Dassault-Falcon  
3801 East 10<sup>th</sup> Street  
Little Rock, AR 72203

**A.  Site Description**

- a. Project description, intended use after NOI is filed: New Upholstery Shop and Cabinet Shop Addition and associated utilities and structures for the Dassault Falcon aircraft finishing facility.
- b. Sequence of major activities which disturb soils: Clearing and topsoil removal, removal of existing paving, grading, installation of underground utilities, construction of building, paving, site stabilization.
- c. Total Area: 130 acres      Disturbed Area: 5.9 acres
- d. Soils Information:
  - i. Runoff Coefficient Pre-Construction (See Attachment D) : 0.42 (UPH), 0.24 (CSA)
  - ii. Runoff Coefficient Post-Construction (See Attachment D) : 0.63 (UPH), 0.73 (CSA)
  - iii. Describe the soil or the quality of any discharge from the site: The site is composed of silt soils from the Rilla-Urban land complex map units (see NCSS Report, Attachment E). Slopes are relatively flat.

**B.  Responsible Parties**

Individual/Company	Phone Number	Service Provided for SWPPP (i.e., Inspector, SWPPP revisions, Stabilization Activities, BMP Maintenance, etc.)
Jason J Ghidotti, PE FTN Associates	501-225-7779	Development of SWPPP
_____ Kinco Constructors (New Upholstery Shop)	_____	Inspector, SWPPP revisions, BMP installation and maintenance, Stabilization
_____ (Cabinet Shop Addition)	_____	Inspector, SWPPP revisions, BMP installation and maintenance, Stabilization



**C.  Receiving Waters**

- a. The following waterbody (or waterbodies) receives stormwater from this construction site: Onsite drainage, thence to unnamed tributary, thence pumped to the Arkansas River.
- b. Is the project located within the jurisdiction of an MS4?  Yes  No
  - i. If yes, Name of MS4: City of Little Rock (ARR040035)
- c. Ultimate Receiving Water:
 

<input type="checkbox"/> Red River	<input type="checkbox"/> White River
<input type="checkbox"/> Ouachita River	<input type="checkbox"/> St. Francis River
<input checked="" type="checkbox"/> Arkansas River	<input type="checkbox"/> Mississippi River

**D.  Documentation of Permit Eligibility Related to the 303(d) list and Total Maximum Daily Loads (TMDL) ([http://www.adeg.state.ar.us/water/branch\\_planning/default.htm](http://www.adeg.state.ar.us/water/branch_planning/default.htm))**

- a. Does the stormwater enter a waterbody on the 303(d) list or with an approved TMDL?  Yes  No
- b. If yes:
  - i. Waterbody identified on 303(d) list: \_\_\_\_\_
  - ii. Pollutant addressed on 303(d) list or TMDL: \_\_\_\_\_
  - iii. This specific project or generally construction activity is identified on 303(d) list or associated assumptions and allocations identified in the TMDL for the discharge:  Yes  No
  - iv. Additional controls implemented: \_\_\_\_\_  
\_\_\_\_\_

**E.  Attainment of Water Quality Standards After Authorization**

- a. The permittee must select, install, implement, and maintain BMPs at the construction site that minimize pollutants in the discharge as necessary to meet applicable water quality standards. In general, except in situations explained below, the SWPPP developed, implemented, and updated to be considered as stringent as necessary to ensure that the discharges do not cause or contribute to an excursion above any applicable water quality standard.

- b. At any time after authorization, the Department may determine that the stormwater discharges may cause, have reasonable potential to cause, or contribute to an excursion above any applicable water quality standard. If such a determination is made, the Department will require the permittee to:
  - i. Develop a supplemental BMP action plan describing SWPPP modifications to address adequately the identified water quality concerns and submit valid and verifiable data and information that are representative of ambient conditions and indicate that the receiving water is attaining water quality standards; or
  - ii. Cease discharges of pollutants from construction activity and submit an individual permit application.

I understand and agree to follow the above text regarding the attainment of water quality standards after authorization.  Yes  No

**F.  Site Map Requirements (Attachment B):**

- a. Pre-construction topographic view;
- b. Direction of stormwater flow (i.e., use arrows to show which direction stormwater will flow) and approximate slopes anticipated after grading activities;
- c. Delineate on the site map areas of soil disturbance and areas that will not be disturbed under the coverage of this permit;
- d. Location of major structural and nonstructural controls identified in the plan;
- e. Location of main construction entrance and exit;
- f. Location where stabilization practices are expected to occur;
- g. Locations of off-site materials, waste, borrow area, or equipment storage area;
- h. Location of areas used for concrete wash-out;
- i. Location of all surface water bodies (including wetlands);
- j. Locations where stormwater is discharged to a surface water and/or municipal separate storm sewer system if applicable,
- k. Locations where stormwater is discharged off-site (should be continuously updated);
- l. Areas where final stabilization has been accomplished and no further construction phase permit requirements apply.

**G. Stormwater Controls**

a. Initial Site Stabilization, Erosion and Sediment Controls, and Best Management Practices:

i. Initial Site Stabilization: Minimize disturbance to existing lawn areas and grassed swales. Areas to remain undisturbed, including onsite grassed swales, will be marked prior to initiating construction to prevent disturbance.

ii. Erosion and Sediment Controls: Silt fence on downslope sides of project areas, riprap outlet protection at storm sewer outlets, rock check dams and straw wattles in receiving ditches, existing downstream detention basin.

iii. If periodic inspections or other information indicates a control has been used inappropriately or incorrectly, the operator will replace or modify the control for site situations: Yes No

If No, explain: \_\_\_\_\_  
 \_\_\_\_\_

iv. Off-site accumulations of sediment will be removed at a frequency sufficient to minimize off-site impacts: Yes No

If No, explain: \_\_\_\_\_  
 \_\_\_\_\_

v. Sediment will be removed from sediment traps or sedimentation ponds when design capacity has been reduced by 50%: Yes No

If No, explain: \_\_\_\_\_  
 \_\_\_\_\_

vi. Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges: Yes No

If No, explain: \_\_\_\_\_  
 \_\_\_\_\_

vii. Off-site material storage areas used solely by the permitted project are being covered by this SWPPP: Yes No

If Yes, explain additional BMPs implemented at off-site material storage area: \_\_\_\_\_  
 \_\_\_\_\_

## b. Stabilization Practices

i. Description and Schedule: Minimize areas disturbed by construction, especially existing grassed areas and swales. Upon completion of final grading, all disturbed areas shall be seeded and mulched as required by the Project Specifications.

ii. Are buffer areas required?  Yes  No

If Yes, are buffer areas being used?  Yes  No

If No, explain why not: \_\_\_\_\_

\_\_\_\_\_

If Yes, describe natural buffer areas: \_\_\_\_\_

\_\_\_\_\_

iii. A record of the dates when grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated shall be included with the plan.

Yes  No

If No, explain: \_\_\_\_\_

\_\_\_\_\_

iv. Deadlines for stabilization: Stabilization procedures will be initiated 14 days after construction activity temporarily ceases on a portion of the site.

## c. Structural Practices

i. Describe any structural practices to divert flows from exposed soils, store flows, or otherwise limit runoff and the discharge of pollutants from exposed areas of the site: Silt fence will be installed on the downslope sides of the project areas, if necessary, to prevent sediment from leaving disturbed area. Rock check dams and straw wattles will be installed in the downstream stormwater ditches, all as shown on the Site Maps in Attachment B and per the notes and details in Attachment C. A vegetated buffer will be maintained, where possible, on the south and east downslope edges of the UPH Shop contractor staging area.

## ii. Sediment Basins:

Are 10 or more acres draining to a common point?  Yes  No

Is a sediment basin included in the project?  Yes  No

If Yes, what is the designed capacity for the storage?

3600 cubic feet per acre = : \_\_\_\_\_

or

10 year, 24 hour storm = : \_\_\_\_\_

Other criteria were used to design basin: \_\_\_\_\_

If No, explain why no sedimentation basin was included and describe required natural buffer areas and other controls implemented instead: A sediment basin is not required. Rock checks and straw wattles will be installed in receiving stormwater ditches to decrease flow and encourage settling.

iii. Describe Velocity Dissipation Devices: Rock check dams and straw wattles will be installed in existing stormwater swales/ditches and proposed swales/ditches as shown on Site Maps (Attachment B).

#### H. Other Controls

a. Solid materials, including building materials, shall be prevented from being discharged to Waters of the State:  Yes  No

b. Off-site vehicle tracking of sediments and the generation of dust shall be minimized through the use of:

A stabilized construction entrance and exit

Vehicle tire washing

Other controls, describe: Vehicles hauling to/from offsite will be restricted to existing onsite paved access drives or stabilized areas within the project when possible. If necessary, a stabilized construction entrance will be installed per the notes and details in Attachment C. Street sweeping will be performed on the facility access roads.

c. Temporary Sanitary Facilities: Contractor will be responsible for providing and maintaining temporary portable facilities.

d. Concrete Waste Area Provided:

Yes

No. Concrete is used on the site, but no concrete washout is provided.

Explain why: \_\_\_\_\_

N/A, no concrete will be used with this project

- e. Fuel Storage Areas, Hazardous Waste Storage, and Truck Wash Areas: Provided adjacent to the project area, as noted on the Site Map. Operator shall monitor for spills and leaks. Spill response and control materials shall be maintained within or near this area. Wash water will be directed to a filtration device such as a grassed area, rock berm or filtration sack. Disturbed areas will be graded, seeded and mulched upon completion of the project

**I.  Non-Stormwater Discharges**

- a. The following allowable non-stormwater discharges comingled with stormwater are present or anticipated at the site:
- Fire-fighting activities;
  - Fire hydrant flushings;
  - Water used to wash vehicles (where detergents or other chemicals are not used) or control dust in accordance with Part II.A.4.H.2;
  - Potable water sources including uncontaminated waterline flushings;
  - Landscape Irrigation;
  - Routine external building wash down which does not use detergents or other chemicals;
  - Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled materials have been removed) and where detergents or other chemicals are not used;
  - Uncontaminated air conditioning, compressor condensate (See Part I.B.12.C of the permit);,
  - Uncontaminated springs, excavation dewatering and groundwater (See Part I.B.12.C of the permit);
  - Foundation or footing drains where flows are not contaminated with process materials such as solvents (See Part I.B.12.C of the permit);
- b. Describe any controls associated with non-stormwater discharges present at the site: Non-stormwater discharges will be monitored for contamination. Discharges will flow to existing and proposed stormwater swales/ditches to existing onsite detention basins. Rock check dams and straw wattles will be constructed in the swales/ditches. Spill response and control equipment will be maintained onsite.

**J.  Post-Construction Stormwater Management:**

Describe measures installed during the construction process to control pollutants in stormwater discharges that will occur after construction operations have been completed: Disturbed surfaces will be stabilized by paving or vegetation as described in Section G(b). Slopes will be properly graded and covered with topsoil prior to stabilization. The pond will also be vegetated and will remain in place as permanent detention basins and will provide additional sediment removal prior to discharge to the City of Little Rock drainage system.

**K.  Applicable State or Local Programs:** The SWPPP will be updated as necessary to reflect any revisions to applicable federal, state, or local requirements that affect the stormwater controls implemented at the site.  Yes  No

**L.  Inspections**

a. Inspection frequency:

Every 7 calendar days

or

At least once every 14 calendar days and within 24 hours of the end of a storm even 0.5 inches or greater (a rain gauge must be maintained on-site)

b. Inspections:

Completed inspection forms will be kept with the SWPPP.

ADEQ's inspection form will be used (See Attachment D)

or

A form other than ADEQ's inspection form will be used and is attached (See inspection form requirements Part II.A.4.L.2)

c. Inspection records will be retained as part of the SWPPP for at least 3 years from the date of termination.

d. It is understood that the following sections describe waivers of site inspection requirements. All applicable documentation requirements will be followed in accordance with the referenced sections.

i. Winter Conditions (Part II.A.4.L.3)

ii. Adverse Weather Conditions (Part II.A.4.L.4)

**M.  Maintenance**

The following procedures to maintain vegetation, erosion and sediment control measures and other protective measures in good, effective operating condition will be followed: Areas to remain undisturbed, including onsite grassed swales, will be marked prior to initiating construction to prevent disturbance. Erosion and sediment control measures will be inspected regularly and repaired as soon as practicable. Accumulated sediment will be hauled offsite or spread in stabilized areas. Maintenance activities shall be recorded in the Corrective Action Log (Attachment E).

Any necessary repairs will be completed, when practicable, before the next storm event, but not to exceed a period of 3 business days of discovery, or as otherwise directed by state or local officials.

**Employee Training**

The following is a description of the training plan for personnel (including contractors and subcontractors) on this project: Employees, contractors and subcontractors shall be familiarized with the requirements of this SWPPP and with the structural and procedural control measures required for the project. Those directly responsible for the installation of structural controls and stabilization measures, inspection and maintenance of these measures and updating and documentation required by this SWPPP shall also be familiarized with the applicable requirements of the associated NPDES Permit (Attachment A). In addition, a kick off meeting will be held for the project to provide details on project-specific erosion and sediment control measures.

**\*\*Note, Formal training classes given by Universities or other third-party organizations are not required, but recommended for qualified trainers; the permittee is responsible for the content of the training being adequate for personnel to implement the requirements of the permit.**



Certification

"I certify under penalty of law that this document and all attachments such as Inspection Form were prepared under my direction or supervision in accordance with a system designed to ensure 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."

Signature of Responsible or Cognizant Official: 

Title: VP Quality + Env.

Date: 6/4/14

# ATTACHMENT A

---

**NPDES General Stormwater Permit No. ARR150000**

**AUTHORIZATION TO DISCHARGE STORMWATER UNDER  
THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM AND THE  
ARKANSAS WATER AND AIR POLLUTION CONTROL ACT**

In accordance with the provisions of the Arkansas Water and Air Pollution Control Act (Ark. Code Ann. 8-4-101 et seq.), and the Clean Water Act (33 U.S.C. 1251 et seq.),

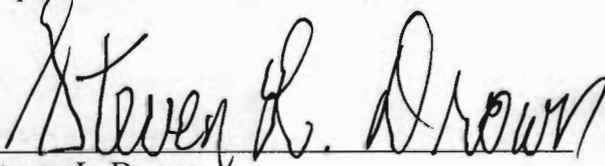
**Operator of Facilities with Stormwater Discharges Associated With Construction Activity**

is authorized to discharge to all receiving waters except as stated in Part I.B.11 (Exclusions).

For facilities that are eligible for coverage under this General Permit (GP), the Department sends a cover letter (Notice of Coverage with tracking permit number which starts with ARR15) and a copy of the permit to the facility. The cover letter includes the Department's determination that a facility is covered under the GP and may specify alternate requirements outlined in the permit.

Effective Date: November 1, 2011

Expiration Date: October 31, 2016

  
\_\_\_\_\_  
Steven L. Drown  
Chief, Water Division  
Arkansas Department of Environmental Quality

  
\_\_\_\_\_  
Issue Date

## **PART I PERMIT REQUIREMENTS**

Information in **Part I** is organized as follows:

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**Section B:** Coverage Under this Permit:

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## SECTION A: DEFINITIONS

1. "**ADEQ**" or "**Department**" is referencing the Arkansas Department of Environmental Quality. The Department is the governing authority for the National Pollutant Discharge Elimination System program in the state of Arkansas.
2. "**Arkansas Pollution Control and Ecology Commission**" shall be referred to as APCEC throughout this permit.
3. "**Automatic Coverage**" indicates those sites that are defined as a small construction site or a site that is less than five (5) acres but part of a larger common plan.
4. "**Best Management Practices (BMPs)**" schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the discharge of pollutants to Waters of the State. BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage. According to the EPA BMP manual the use of hay-bales in concentrated flow areas is not recommended as a best management practice.
5. "**Cognizant Official**" a duly authorized representative, as defined in Part II.B.9.B.
6. "**Commencement of Construction**" the initial disturbance of soils associated with clearing, grading, or excavating activities or other construction-related activities.
7. "**Contaminated**" means a substance the entry of which into the MS4, Waters of the State, or Waters of the United States may cause or contribute to a violation of Arkansas water quality standards.
8. "**Control Measure**" as used in this permit, refers to any Best Management Practice or other method used to prevent or reduce the discharge of pollutants to Waters of the State.
9. "**Construction Site**" an area upon which one or more land disturbing construction activities occur that in total will disturb one acre or more of land, including areas that are part of a larger common plan of development or sale where multiple separate and distinct land disturbing construction activities may be taking place at different times on different schedules but under one plan such that the total disturbed area is one acre or more.
10. "**CWA**" the Clean Water Act or the Federal Water Pollution Control Act.
11. "**Dedicated Portable Asphalt Plant**" a portable asphalt plant that is located on or contiguous to a construction site that provides asphalt only to the construction site on which the plant is located or adjacent to. The term does not include facilities that are subject to the asphalt emulsion effluent guideline limitations at 40 CFR Part 443.
12. "**Dedicated Portable Concrete Plant**" a portable concrete plant that is located on or contiguous to a construction site and that provides concrete only to the construction site on which the plant is located on or adjacent to.
13. "**Detention Basin**" a detention basin is an area where excess stormwater is stored or held temporarily and then slowly drains when water levels in the receiving channel recede. In essence, the water in a detention basin is temporarily detained until additional room becomes available in the receiving channel.
14. "**Director**" the Director, Arkansas Department of Environmental Quality, or a designated representative.

15. "**Discharge**" when used without qualification means the "discharge of a pollutant".

16. "**Discharge of Stormwater Associated with Construction Activity**" as used in this permit, refers to a discharge of pollutants in stormwater runoff from areas where soil disturbing activities (e.g., clearing, grading, or excavation), construction materials or equipment storage or maintenance (e.g., fill piles, borrow area, concrete truck washout, fueling), or other industrial stormwater directly related to the construction process (e.g., concrete or asphalt batch plants) are located.

17. "**Discharge-Related Activities**" as used in this permit, include: activities that cause, contribute to, or result in stormwater point source pollutant discharges, including but not limited to: excavation, site development, grading and other surface disturbance activities; management of solid waste and debris; and measures to control stormwater including the construction and operation of BMPs to control, reduce or prevent stormwater pollution.

18. "**Disturbed area**" the total area of the site where any construction activity is expected to disturb the ground surface. This includes any activity that could increase the rate of erosion, including, but not limited to, clearing, grubbing, grading, excavation, demolition activities, haul roads, and areas used for staging. Also included, are stockpiles of topsoil, fill material and any other stockpiles with a potential to create additional runoff.

19. "**Eligible**" qualified for authorization to discharge stormwater under this general permit.

20. "**Erosion**" the process by which the land's surface is worn away by the action of wind, water, ice or gravity.

21. "**Facility**" or "**Activity**" any NPDES "point source" or any other facility or activity (including land or appurtenances thereto) that is subject to regulation under the NPDES program.

22. "**Final Stabilization**":

A. All soil disturbing activities at the site have been completed and either of the two following criteria are met:

- 1) A uniform (e.g., evenly distributed, without large bare areas) perennial vegetative cover with a density of 80% of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or
- 2) Equivalent permanent stabilization measures (such as the use of riprap, gabions, or geotextiles) have been employed.

B. When background native vegetation will cover less than 100% of the ground (e.g., arid areas, beaches), the 80% coverage criteria is adjusted as follows: if the native vegetation covers 50% of the ground, 80% of 50% ( $0.80 \times 0.50 = 0.40$ ) would require 40% total cover for final stabilization. On a beach with no natural vegetation, no stabilization is required.

C. For individual lots in residential construction, final stabilization means that either:

- 1) The homebuilder has completed final stabilization as specified above, or
- 2) The homebuilder has established temporary stabilization including perimeter controls for an individual lot prior to occupation of the home by the homeowner and informing the homeowner of the need for, and benefits of, final stabilization.

D. For construction projects on land used for agricultural purposes (e.g., pipelines across crop or range land, staging areas for highway construction, etc.), final stabilization may be accomplished by returning the disturbed land to its pre-

construction agricultural use. Areas disturbed that were not previously used for agricultural activities, such as buffer strips immediately adjacent to “Water of the United States”, and areas which are not being returned to their pre-construction agricultural use must meet the final stabilization criteria in A, B, or C above.

23. "**Grading Activities**" as used in this permit are those actions that disturb the surface layer of the ground to change the contouring, surface drainage pattern, and/or any other slope characteristics of the land without significantly adding or removing on-site rock, soil, and other materials. This can include demolition, excavation, and filling.

24. "**Infrastructure**" streets, drainage, curbs, utilities, etc.

25. "**Impaired Water**" a water body listed in the current, approved Arkansas 303(d) list.

26. "**Landscaping**" improving the natural beauty of a piece of land (i.e. entrance of subdivision) through plantings or altering the contours of the ground.

27. "**Large and Medium Municipal Separate Storm Sewer System**" all municipal separate storm sewer systems that are either:

- A. Located in an incorporated place with a population of 100,000 or more as determined by the latest Decennial Census by the Bureau of Census: or
- B. Located in the counties with unincorporated urbanized populations of 100,000 or more, except municipal, separate storm sewers that are located in the incorporated places, townships or towns within such counties; or
- C. Owned or operated by a municipality other than those described in paragraphs (i) or (ii) and that are designated by the Director as part of the large or medium municipal separate storm sewer system.

28. "**Large Construction Site**" construction activity including clearing, grading and excavation, **except** operations that result in the disturbance of less than five acres of total land area. Construction activity also includes the disturbance of less than five acres of total land area that is a part of a larger common plan of development or sale if the larger common plan will ultimately disturb five acres. (Please see Part I.B.14 for partial waivers.)

29. "**Larger Common Plan of Development**" a contiguous (sharing a boundary or edge; adjacent; touching) area where multiple and distinct construction activities may be taking place at different times on different schedules under one plan. Such a plan might consist of many small projects (e.g. a common plan of development for a residential subdivision might lay out the streets, house lots, and areas for parks, schools and commercial development that the developer plans to build or sell to others for development.) All these areas would remain part of the common plan of development or sale. The following items can be used as guidance for deciding what might or might not be considered a “Common Plan of Development or Sale.” The “plan” in a common plan of development or sale is broadly defined as any announcement or piece of documentation (including a sign, public notice or hearing, sales pitch, advertisement, drawing, permit application, zoning request, computer design, etc.) or physical demarcation (including boundary signs, lot stakes, surveyor markings, etc.) indicating construction activities may occur on a specific plot. The applicant must still meet the definition of operator in order to be required to get permit coverage, regardless of the acreage that is personally disturbed.

If a smaller project (i.e., less than 1 acre) is part of a large common plan of development or sale (e.g., you are building a residential home on a ½ acre lot in a 40 acre subdivision or are putting in a fast food restaurant on a ¾ acre pad that is part of a 20 acre retail center) permit coverage is required. Under 40 CFR 122.26(b)(2)(vi), smaller parts of a larger common plan of development are automatically authorized under this general permit and should follow the conditions of a site with automatic coverage set forth in this permit (see Part I.B.6.A).

30. "**NOC**" Notice of Coverage

31. "**NOI**" Notice of Intent to be covered by this permit.

32. "**NOT**" Notice of Termination.

33. "**Operator**" for the purpose of this permit and in the context of stormwater associated with construction activity, means any person (an individual, association, partnership, corporation, municipality, state or federal agency) who has the primary management and ultimate decision-making responsibility over the operation of a facility or activity. The operator is responsible for ensuring compliance with all applicable environmental regulations and conditions.

In addition, for purposes of this permit and determining who is an operator, "owner" refers to the party that owns the structure being built. Ownership of the land where construction is occurring does not necessarily imply the property owner is an operator (e.g., a landowner whose property is being disturbed by construction of a gas pipeline or a landowner who allows a mining company to remove dirt, shale, clay, sand, gravel, etc. from a portion of his property). Likewise, if the erection of a structure has been contracted for, but possession of the title or lease to the land or structure is not to occur until after construction, the would-be owner may not be considered an operator (e.g., having a house built by a residential homebuilder).

34. "**Outfall**" a point source where stormwater leaves the construction site.

35. "**Owner**" the owner or operator of any "facility or activity" subject to regulation under the NPDES program. In addition, for purposes of this permit and determining who is an operator, "owner" refers to the party that owns the structure being built. Ownership of the land where construction is occurring does not necessarily imply the property owner is an operator (e.g., a landowner whose property is being disturbed by construction of a gas pipeline). Likewise, if the erection of a structure has been contracted for, but possession of the title or lease to the land or structure is not to occur until after construction, the would-be owner may not be considered an operator (e.g. having a house built by a residential homebuilder).

36. "**Physically Interconnected**" that one municipal separate storm sewer system is connected to a second municipal separate storm sewer system in such a way that it allows for direct discharges into the second system.

37. "**Point Source**" any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture or agricultural stormwater runoff.

38. "**Qualified Local Program**" is a municipal program for stormwater discharges associated with construction sites that has been formally approved by the Department.

39. "**Qualified personnel**" a person knowledgeable in the principles and practice of erosion and sediment controls who possesses the skills to assess conditions at the construction site that could impact stormwater quality and to assess the effectiveness of any sediment and erosion control measures selected to control the quality of stormwater discharges from the construction activity.

40. "**Regulated Small Municipal Separate Storm Sewer System**" all municipal separate storm sewer systems that are either:

- A. Located within the boundaries of an "urbanized area" with a population of 50,000 or more as determined by the latest Decennial Census by the Bureau of Census; or
- B. Owned or operated by a municipality other than those described in paragraph A and that serve a jurisdiction with a



- population of at least 10,000 and a population density of at least 1,000 people per square mile; or
- C. Owned or operated by a municipality other than those described in paragraphs A and B and that contributes substantially to the pollutant loadings of a “physically interconnected” municipal separate storm sewer system.

**41. "Retention Basin"** a basin that is designed to hold the stormwater from a rain event and allow the water to infiltrate through the bottom of the basin. A retention basin also stores stormwater, but the storage of the stormwater would be on a more permanent basis. In fact, water often remains in a retention basin indefinitely, with the exception of the volume lost to evaporation and the volume absorbed into the soils. This differs greatly from a detention basin, which typically drains after the peak of the storm flow has passed, sometimes while it is still raining.

**42. "Runoff Coefficient"** the fraction of total rainfall that will appear at the conveyance as runoff.

**43. "Sediment"** material that settles to the bottom of a liquid.

**44. "Sediment Basin"** a basin that is designed to maintain a 10 year-24 hour storm event for a minimum of 24-hours in order to allow sediment to **settle** out of the water.

**45. "Small Construction Site"** construction activities including clearing, grading, and excavating that result in land disturbance of equal to or greater than one acre and less than five acres. Small construction activity also includes the disturbance of less than one acre of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb equal to or greater than one and less than five acres. Small construction activity does not include routine maintenance.

**46. "Stormwater"** stormwater runoff from rainfall, snow melt runoff, and surface runoff and drainage.

**47. "Stormwater Associated with Construction Activity"** the discharge from any conveyance which is used for collecting and conveying stormwater and which is directly related to construction activity.

**48. "Stormwater Pollution Prevention Plan (SWPPP or SWP3)"** a plan that includes site map(s), an identification of construction/contractor, activities that could cause pollutants in the stormwater, and a description of measures or practices to control these pollutants (BMPs).

**49. "Temporary Sediment Controls"** controls that are installed to control sediment runoff from the site. These could be silt fencing, rock check dams, etc.

**50. "Total Maximum Daily Load" or "TMDL"** the sum of the individual wasteload allocations (WLAs) for point sources and load allocations (LAs) for non-point sources and natural background. If receiving water has only one point source discharger, the TMDL is the sum of that point source WLA plus the LAs for any non-point sources of pollution and natural background sources, tributaries, or adjacent segments. TMDLs can be expressed in terms of either mass per time, toxicity, or other appropriate measure.

**51. "Uncontaminated"** cannot exceed the water quality standards as set forth in APCEC Regulation 2.

**52. "Urbanized Area"** the areas of urban population density delineated by the Bureau of the Census for statistical purposes and generally consisting of the land area comprising one or more central place(s) and the adjacent densely settled surrounding area that together have a residential population of at least 50,000 and an overall population density of at least 1,000 people per square mile as determined by the latest Decennial Census by the Bureau of Census.

## **SECTION B: COVERAGE UNDER THIS PERMIT**

### **Introduction**

This Construction General Permit (CGP) authorizes stormwater discharges from large and small construction activities that result in a total land disturbance of equal to or greater than one acre, where those discharges enter surface Waters of the State or a Municipal Separate Storm Sewer System (MS4) leading to surface Waters of the State subject to the conditions set forth in this permit. This permit also authorizes stormwater discharges from any other construction activity designated by ADEQ where ADEQ makes that designation based on the potential for contribution to an excursion of a water quality standard or for significant contribution of pollutants to Waters of the State. This permit replaces the permit issued in 2008. The goal of this permit is to minimize the discharge of stormwater pollutants from construction activity. The Operator should make sure to read and understand the conditions of the permit. A copy of the General Stormwater Construction Permit is available on the ADEQ web site at [http://www.adeg.state.ar.us/water/branch\\_permits/general\\_permits/stormwater/construction/construction.htm](http://www.adeg.state.ar.us/water/branch_permits/general_permits/stormwater/construction/construction.htm). You may also obtain a hard copy by contacting the ADEQ's General Permits Section at (501) 682-0623.

1. **Permitted Area.** If a large or small construction activity is located within the State of Arkansas, the operator may be eligible to obtain coverage under this permit.
2. **Eligibility.** Permit eligibility is limited to discharges from “large” and “small” construction activity, or as otherwise designated by ADEQ. This general permit contains eligibility restrictions, as well as permit conditions and requirements. Operators may have to take certain actions to be eligible for coverage under this permit. In such cases, operators must continue to satisfy those eligibility provisions to maintain permit authorization. If operators do not meet the requirements that are a pre-condition to eligibility, then resulting discharges constitute unpermitted discharges. By contrast, if operators are eligible for coverage under this permit and do not comply with the requirements of the general permit, they may be in violation of the general permit for otherwise eligible discharges.
  - A. This general permit authorizes discharges from construction activities as defined in 40 CFR 122.26(a), 40 CFR 122.26(b)(14)(x), 40 CFR 122.26(b)(15)(i) and 40 CFR Part 450.
  - B. This permit also authorizes stormwater discharges from support activities (e.g., concrete or asphalt batch plants, equipment staging yards, materials storage areas, excavated material disposal areas, borrow areas) provided:
    - 1) The support activity is directly related to a specific construction site that is required to have NPDES permit coverage for discharges of stormwater associated with the construction activity;
    - 2) The support activity is not a commercial operation serving multiple unrelated construction projects by different operators, and does not operate beyond the completion of the construction activity at the last construction project it supports;
    - 3) Pollutant discharges from support activity areas are minimized in compliance with conditions of this permit; and
    - 4) discharges from the support activity areas must be identified in a Stormwater Pollution Prevention Plan (SWPPP) stating appropriate controls and measures for the area.
  - C. Other activities may be considered for this permit at the discretion of the Director as defined in 40 CFR 122.26(b)(15)(ii).
3. **Responsibilities of the Operator.** Permittees with operational control are responsible for compliance with all applicable terms and conditions of this permit as it relates to their activities on the construction site, including protection of endangered species and implementation of BMPs and other controls required by the SWPPP. Receipt of this general permit does not

relieve any operator of the responsibility to comply with any other applicable federal, state or local statute, ordinance or regulation.

- 4. Where to Submit.** The operator shall submit a complete and signed Notice of Intent (NOI), Stormwater Pollution Prevention Plan (SWPPP), and application fee to the Department at the following address:

Arkansas Department of Environmental Quality  
Discharge Permits Section  
5301 Northshore Drive  
North Little Rock, AR 72118-5317

Or by electronic mail (Complete documents (NOI and SWPPP) must be submitted in PDF format) to:

[Water-permit-application@adeq.state.ar.us](mailto:Water-permit-application@adeq.state.ar.us) ;

NOTE: Notice of Coverage (NOC) will **NOT** be issued until payment has been received by ADEQ.

- 5. Requirements for Qualifying Local Program (QLP).** The Department reviews and approves the QLPs to ensure that they meet or supersede both state and federal requirements outlined in this permit and 40 CFR 122.44(s). ADEQ will review the QLP at least every 5 years for recertification. If the Department approves a QLP, then the QLP requirements must at the minimum meet the Department's requirements. This would include all templates and forms. This permit may be modified to add new QLPs or modify existing QLPs at the Department's discretion. All public notice and other applicable costs incurred by the modification of the permit for the addition or modification of a QLP will be paid by the QLP.

If the small construction site is within the jurisdiction of a QLP, the operator of the small construction site is authorized to discharge stormwater associated with construction activity under QLP permit requirements only.

At this time only the City of Hot Springs is meeting the ADEQ minimum requirements.

**6. Requirements for Coverage.**

- A. Automatic Coverage. An operator of each site with automatic coverage may discharge under this general permit without submitting to the Department a Notice of Intent (NOI), Stormwater Pollution Prevention Plan (SWPPP) and fee. All the permit conditions set forth must be followed. However, a completed NOC must be posted at the site for automatic permit coverage prior to commencing construction. Operators must have a copy of the SWPPP at the construction to have permit coverage and authorization to discharge.

The Operator is responsible for ensuring that the site is in compliance with any changes or updates of this general permit, by either contacting ADEQ or reviewing the ADEQ website

[http://www.adeq.state.ar.us/water/branch\\_permits/general\\_permits/stormwater/construction/construction.htm](http://www.adeq.state.ar.us/water/branch_permits/general_permits/stormwater/construction/construction.htm) .

- B. Large Construction Sites. An operator of a large construction site discharging under this general permit must submit the following items at least two weeks prior to commencement of construction:

- 1) An NOI in accordance with the requirements of Part I.B.7 of this permit.
- 2) A complete SWPPP in accordance with the requirements of Part II.A of this permit.
- 3) An initial permit fee must accompany the NOI under the provisions of APCEC Regulation No. 9. Subsequent annual fees will be billed by the Department until the operator has requested a termination of coverage by

submitting a Notice of Termination (NOT). Failure to remit the required permit fee may be grounds for the Director to deny coverage under this general permit.

- C. *Coverage within a QLP.* An operator of a site with automatic coverage, as defined in this permit, shall comply with the requirements of the QLP which has jurisdiction over the site.

**7. Notice of Intent (NOI) Requirements.**

- A. *NOI Form.* Large Construction site operators who intend to seek coverage for stormwater discharge under this general permit must submit a complete and accurate ADEQ NOI form to the Department at least two weeks prior to coverage under this permit. The NOI form **must** be the current version obtained from the stormwater webpage indicated above in Part I.B.

If the NOI is deemed incomplete, the Department will notify the applicant with regard to the deficiencies by a letter, email, or phone within ten (10) business days of receipt of NOI. If the operator does not receive a notification of deficiencies from ADEQ's receipt of the NOI, the NOI is deemed complete. If the applicant does not provide the Department with the requested deficiencies within the deadline set by the Department, then the Department will return the NOI, fee and SWPPP back to the applicant.

- B. *Contents of the NOI.* The NOI form contains, at a minimum, the following information:

- 1) Operator (Permittee) information (name, address, telephone and fax numbers, E-mail address)
- 2) Whether the operator is a federal, state, private, public, corporation, or other entity
- 3) Application Type: New or renewal
- 4) Invoice mailing information (name, address, and telephone and fax numbers)
- 5) Project Construction site information (name, county, address, contact person, direction to site, latitude and longitude for the entrance of the site or the endpoints for linear project (in degrees, minutes, and seconds), estimated construction start date and completion date through site final stabilization, estimate of the total project acreage and the acreage to be disturbed by the operator submitting the NOI, type of the project (subdivision, school, etc), whether the project is part of a larger common plan of development.)
- 6) Discharge information (name of the receiving stream, ultimate receiving stream, name of municipal storm sewer system)
- 7) Previous/Current permit information
- 8) The Certification statement and signature of a qualified signatory person in accordance with 40 CFR 122.22, as adopted by reference in APCEC Regulation No. 6
- 9) The certification of the facility corporation
- 10) Other information (location of the SWPPP).

- C. *Notice of Coverage (NOC).* Unless notified by the Director to the contrary, dischargers who submit a NOI in accordance with the requirements of this permit are authorized to discharge stormwater from construction sites under the terms and conditions of this permit two weeks after the date the NOI is deemed complete by ADEQ. If the NOC has not been received by the permittee two weeks after the date the NOI is deemed complete by ADEQ, the NOI should be posted until the NOC is received. Upon review of the NOI and other available information, the Director may deny coverage under this permit and require submittal of an application for an individual NPDES permit.

**8. Posting Notice of Coverage (NOC).**

- A. *Large Sites: NOC Posting for Large Construction Sites.* The posting for large construction sites shall be obtained from

the Department only after the permittee has met the NOI, permit fee and complete SWPPP submittal to the Department for the coverage.

- B. ***Automatic Coverage Sites.*** The Automatic Coverage (NOC) for small sites and a single site less than five (5) acres but part of a larger common plan, as defined in Part I.A, can be obtained from the Water Division's Construction Stormwater webpage at:

[http://www.adeg.state.ar.us/water/branch\\_permits/general\\_permits/stormwater/construction/construction.htm](http://www.adeg.state.ar.us/water/branch_permits/general_permits/stormwater/construction/construction.htm).

The NOC must be posted at the site prior to commencing construction. In addition, a copy of the SWPPP must be available at the construction site in accordance with Part II.A.2. B and D prior to commencing construction.

- C. ***Linear Projects.*** If the construction project is a linear construction project (e.g., pipeline, highway, etc.), the notice must be placed in a publicly accessible location near where construction is actively underway and moved as necessary.

Please note, this permit does not provide the public with any right to trespass on a construction site for any reason, including inspection of a site; nor does this permit require that the permittee allow members of the public access to a construction site.

9. **Applicable Federal, State or Local Requirements.** The operator must ensure that the stormwater controls implemented at the site are consistent with all applicable federal, state, or local requirements. Additionally, an operator who is operating under approved local erosion and sediment plans, grading plans, local stormwater permits, or stormwater management plans shall submit signed copies of the Notice of Intent (NOI) to the local agency (or authority) upon the local agency's request.

**10. Allowable Non-Stormwater Discharges.**

- A. The following non-stormwater discharges that are combined with stormwater during construction may be authorized by this permit. Non-stormwater discharges must be addressed in the stormwater pollution prevention plan and measures to minimize or eliminate non-stormwater discharge should be taken if reasonably possible.

- 1) Fire fighting activities;
- 2) Fire hydrant flushings;
- 3) Water used to wash vehicles (where detergents or other chemicals are not used) or control dust in accordance with Part II.A.4.H.2;
- 4) Potable water sources including uncontaminated waterline flushings;
- 5) Landscape Irrigation ;
- 6) Routine external building wash down which does not use detergents or other chemicals;
- 7) Pavement washwaters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled materials have been removed) and where detergents or other chemicals are not used;
- 8) Uncontaminated air conditioning, compressor condensate (See Part I.B.12.C of this permit);,
- 9) Uncontaminated springs, excavation dewatering and groundwater (See Part I.B.12.C of this permit);
- 10) Foundation or footing drains where flows are not contaminated with process materials such as solvents (See Part I.B.12.C of this permit);

11. **Limitations on Coverage (Exclusions).** The following stormwater discharges associated with construction activity are not covered by this permit:

- A. ***Post Construction Discharge.*** Stormwater discharges associated with construction activities that originate from the site after construction activities have been completed, the site has undergone final stabilization, and the permit has been terminated.
- B. ***Discharges Mixed with Non-Stormwater.*** Stormwater discharges that are mixed with sources of non-stormwater other than those identified in Part I.B.10.

- C. Discharges Covered by another Permit. Stormwater discharges associated with construction activity that are covered under an individual or an alternative general permit may be authorized by this permit after an existing permit expires provided the expired permit did not establish numeric effluent limitations for such discharges.
- D. Discharges into Receiving Waters with an Approved TMDL. Discharges from a site into receiving waters for which there is an established total maximum daily load (TMDL) allocation ([www.adeq.state.ar.us/water/branch\\_planning/default.htm](http://www.adeq.state.ar.us/water/branch_planning/default.htm)) for Turbidity, Oil & Grease, and/or other pollutants at the discretion of the Director are not eligible for coverage under this permit unless the permittee develops and certifies a stormwater pollution prevention plan (SWPPP) that is consistent with the assumptions and requirements in the approved TMDL. To be eligible for coverage under this general permit, operators must incorporate into their SWPPP any conditions applicable to their discharges necessary for consistency with the assumptions and requirements of the TMDL within any timeframes established in the TMDL. If a specific numeric allocation has been established that would apply to the project's discharges, the operator must incorporate that allocation into its SWPPP and implement necessary steps to meet that allocation. Please note that the Department will be reviewing this information. If it is determined that the project will discharge into a receiving stream with a TMDL, then the Department may require additional BMPs.
- E. Discharges into Impaired Receiving Waters (303(d) List). Discharges from a site into a receiving waters listed as impaired under Section 303(d) of the Clean Water Act ( [www.adeq.state.ar.us/water/branch\\_planning/default.htm](http://www.adeq.state.ar.us/water/branch_planning/default.htm) ) for Turbidity, Oil & Grease and/or other pollutants at the discretion of the Director, must incorporate into the SWPPP any additional BMPs needed to sufficiently protect water quality. The SWPPP must include a proposal for monitoring to determine if the BMPs and controls are effective. Please note that the Department will be reviewing this information. If it is determined that the project will discharge to an impaired water body, then the Department may require additional BMPs.

12. Effluent Limitation Guidelines (ELG). All permittees must comply with the following effluent limits:

- A. Erosion and Sediment Controls. Design, install and maintain effective erosion controls and sediment controls to minimize the discharge of pollutants. At a minimum, such controls must be designed, installed and maintained to:
- 1) Control stormwater volume and velocity within the site to minimize soil erosion;
  - 2) Control stormwater discharges, including both peak flowrates and total stormwater volume, to minimize erosion at outlets and to minimize downstream channel and streambank erosion;
  - 3) Minimize the amount of soil exposed during construction activity;
  - 4) Minimize the disturbance of steep slopes;
  - 5) Minimize sediment discharges from the site. The design, installation and maintenance of erosion and sediment controls must address factors such as the amount, frequency, intensity and duration of precipitation, the nature of resulting stormwater runoff, and soil characteristics, including the range of soil particle sizes expected to be present on the site;
  - 6) Provide and maintain natural buffers around surface waters, direct stormwater to vegetated areas to increase sediment removal and maximize stormwater infiltration, unless infeasible; and
  - 7) Minimize soil compaction and, unless infeasible, preserve topsoil.
- B. Soil Stabilization. Stabilization of disturbed areas must, at a minimum, be initiated immediately whenever any clearing, grading, excavating or other earth disturbing activities have permanently ceased on any portion of the site, or temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days. Stabilization must be completed within a period of time determined by the permitting authority. In arid, semiarid, and drought-

stricken areas where initiating vegetative stabilization measures immediately is infeasible, alternative stabilization measures must be employed as specified by the permitting authority.

- C. Dewatering. Discharges from dewatering activities, including discharges from dewatering of trenches and excavations, are prohibited unless managed by appropriate controls. There shall be no turbid discharges to surface waters of the state resulting from dewatering activities. If trench or ground waters contain sediment, it must pass through a sediment settling pond or other equally effective sediment control device, prior to being discharged from the construction site. Alternatively, sediment may be removed by settling in place or by dewatering into a sump pit, filter bag, or comparable practice. Ground water dewatering which does not contain sediment or other pollutants is not required to be treated prior to discharge. However, care must be taken when discharging ground water to ensure that it does not become pollutant-laden by traversing over disturbed soils or other pollutant sources.
- D. Pollution Prevention Measures. Design, install, implement, and maintain effective pollution prevention measures to minimize the discharge of pollutants. At a minimum, such measures must be designed, installed, implemented and maintained to:
- 1) Minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash waters. Wash waters must be treated in a sediment basin or BMP control that provides equivalent or better treatment prior to discharge;
  - 2) Minimize the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste and other materials present on the site to precipitation and to stormwater; and
  - 3) Minimize the discharge of pollutants from spills and leaks and implement chemical spill and leak prevention and response procedures.
- E. Prohibited discharges. The following discharges are prohibited:
- 1) Wastewater from washout of concrete, unless managed by an appropriate control;
  - 2) Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds and other construction materials;
  - 3) Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance; and
  - 4) Soaps or solvents used in vehicle and equipment washing.
- F. Surface Outlets. When discharging from basins and impoundments, utilize outlet structures that withdraw water from the surface, unless infeasible.

**13. Natural Buffer Zones**. A natural buffer zone as stated below shall be maintained at all times. Exceptions from this requirement for areas, such as water crossings, limited water access, and restoration of the buffer are allowed if the permittee fully documents in the SWPPP the circumstances and reasons for the buffer zone encroachment. Additionally, this requirement is not intended to interfere with any other ordinance, rule or regulation, statute or other provision of law.

- A. For construction projects where clearing and grading activities will occur, the SWPPP must provide at least twenty-five (25) feet of natural buffer zone, as measured horizontally from the top of the bank to the disturbed area, from any named or unnamed streams, creeks, rivers, lakes or other water bodies.
- B. The Department may also require up to fifty (50) feet of natural buffer zone, as measured from the top of the bank to the disturbed area, from established TMDL water bodies, streams listed on the 303 (d)-list, an Extraordinary Resource Water (ERW), Ecologically Sensitive Waterbody (ESW), Natural and Scenic Waterway (NSW), and/or any other uses

at the discretion of the Director.

C. Linear projects will be evaluated individually by the Department to determine natural buffer zone setbacks.

**14. Waivers from Permit Coverage.** The Director may waive the otherwise applicable requirements of this general permit for stormwater discharges from construction activities under the terms and conditions described in this section.

A. *Waiver Applicability and Coverage.* Based upon 40 CFR Part 122.26.b.15.i.A, operators of small construction activities may apply for and receive a waiver from the requirements to obtain this permit.

B. *No Stormwater Leaving the Site.* If all of the stormwater from the construction activity is captured on-site under any size storm event and allowed to evaporate, soak into the ground on-site, or is used for irrigation, a permit is not needed.

C. *TMDL Waivers.* This waiver is available for sites with automatic coverage if the ADEQ has established or approved a TMDL that addresses the pollutant(s) of concern and has determined that controls on stormwater discharges from small construction activity are not needed to protect water quality. The pollutant(s) of concern include sediment (such as total suspended solids, turbidity or siltation) and any other pollutant that has been identified as a cause of impairment of any water body that will receive a discharge from the construction activity. Information on TMDLs that have been established or approved by ADEQ is available from ADEQ online at [http://www.adeg.state.ar.us/water/branch\\_planning/default.htm](http://www.adeg.state.ar.us/water/branch_planning/default.htm).

**15. Notice of Termination (NOT).** All construction activities that disturbed soil are complete, the site has reached final effective stabilization (100% stabilization with 80% density), all stormwater discharges from construction activities authorized by this permit are eliminated and all temporary sediment controls are removed and properly disposed, the operator of the facility may submit a complete Notice of Termination (NOT) to the Director. Along with the NOT, pictures that represent the entire site should be submitted for review. Final stabilization is not required if the land is returned to its pre-construction agriculture use. Operators of small construction sites are not required to submit NOTs for their construction sites. However, final stabilization is required on all sites. If a Notice of Termination is not submitted when the project is completed, the operator will be responsible for annual fees.

**16. Responsibilities of the Operator of a Larger Common Plan of Development for a Subdivision.**

A. The operator is ultimately responsible for the runoff from the perimeter of the entire development. Regardless for the reason of the runoff, the operator is responsible for ensuring sufficient overall controls of the development.

B. The operator shall not terminate the permit coverage until the following conditions have been met:

- 1) After all construction including landscaping and lot development has been completed; and
- 2) All lots are sold and developed.

The following exceptions to this requirement can apply:

- a. less than 100% sold and developed at the discretion of the Director, or
- b. Separation of the larger common plan if twenty-four (24) months have passed with no construction activity, or
- c. All lots are developed and there are no temporary common controls for subdivision outfalls, i.e. sediment basins, large sediment traps, check dams, etc.



3) If lots are sold then re-sold to a third party then permit coverage needs to be obtained by each of the operators while they have ownership of the lots. The second owner is responsible to obtain the same certification from the third owner, i.e. the certification must pass from owner to owner.

C. The operator shall not terminate permit coverage until the operators of all the individual lots within the larger common plan are notified of their permitting requirements under this general permit. In this case, the signed certification statements from each operator of individual lots must be maintained in the stormwater pollution prevention plan for the large common plan. A copy of the signed certifications must be submitted to ADEQ with the NOT. The certification shall be as follows:

“I, \_\_\_\_\_, operator of an individual lot #\_\_\_\_\_, block #\_\_\_\_\_ of \_\_\_\_\_ subdivision, certify under penalty of law that I was notified by the operator of the larger common plan of the stormwater permitting requirements for my construction site(s). I understand prior to commencement of any construction activity I have to prepare and comply with a SWPPP and post the Construction Site Notice. I understand that prior to the sale of this lot to another party; I must notify the new owner of ADEQ requirements and obtain this certification from the new owner.”

Signature \_\_\_\_\_

D. The following examples are provided as clarification:

- 1) If a small portion of the original common plan of development remains undeveloped and there has been a period of time (i.e., more than 24 months) where there are no ongoing construction activities (i.e., all areas are either undisturbed or have been finally stabilized), operators may re-evaluate the original project based on the acreage remaining from the original “common plan.” If less than five but more than one acre remains to build out the original “common plan”, coverage under the large permit may not be required. However, operators will need to comply with the terms and conditions for Small Construction Sites in the Construction General Permit. If less than one acre remains of the original common plan, the individual project may be treated as a part of a less than one acre development and no permit would be required.
- 2) If operators have a long-range master plan of development where some portions of the master plan are conceptual rather than a specific plan of future development and the future construction activities would, if they occur at all, happen over an extended period of time (i.e., more than 24 months), operators may consider the “conceptual” phases of development to be separate “common plans” provided the periods of construction for the physically interconnected phases will not overlap.
- 3) Where discrete construction projects within a larger common plan of development or sale are located ¼ mile or more apart and the area between the projects is not being disturbed, each individual project can be treated as a separate plan of development or sale provided any interconnecting road, pipeline or utility project that is part of the same “common plan” is not concurrently being disturbed. For example, an interconnecting access road or pipeline were under construction at the same time, they would generally be considered as a part of a single “common plan” for permitting purposes.
- 4) If the operator sells all the lots in the subdivision to one or more multi-lot homebuilder(s), provisions must be made to obtain stormwater permit coverage by one of the following options:
  - a. The permit may be transferred from the first “operator” to the new/second “operator”.
  - b. A new, separate permit may be obtained by the second “operator”.

NOTE: If a new permit is to be obtained, then it must be obtained before the first/original permit is terminated.
- 5) If the operator retains ownership of any lots in the subdivision, the operator shall maintain permit coverage for those lots under the original permit. The operator shall modify the Stormwater Pollution Prevention Plan (SWPPP) by stating which lots are owned and marking the lots on the site map. If there are one (1) or two (2) lots remaining and the total acreage is less than five (5) acres, the original permit could be terminated and those lots could be

covered as a small site.

- 17. Change in Operator.** For stormwater discharges from large construction sites where the operator changes, including instances where an operator is added after the initial NOI has been submitted, the new operator must ensure that a permit transfer form is received by the Department at least two (2) weeks prior to the operator beginning work at the site.
- 18. Late Notifications.** A discharger is not precluded from submitting an NOI in accordance with the requirements of this part after the dates provided in Part I.B.6 of this permit. In such instances, the Director may bring an enforcement action for failure to submit an NOI in a timely manner or for any unauthorized discharges of stormwater associated with construction activity that have occurred on or after the dates specified in this permit.
- 19. Failure to Notify.** The operator of a construction site who fails to notify the Director of their intent to be covered under this permit, and who potentially discharges pollutants (sediment, debris, etc.) to Waters of the State without an NPDES permit, is in violation of the Arkansas Water and Air Pollution Control Act.
- 20. Maintenance.** Determination of the acreage of disturbance does not typically include disturbance for routine maintenance activities on existing roads where the line and grade of the road is not being altered, nor does it include the paving of existing roads. Maintenance activities (returning to original conditions) are not regulated under this permit unless one or more acres of underlying and/or surrounding soil are cleared, graded, or excavated as part of the operation.
- 21. Releases in Excess of Reportable Quantities.**
- A. The discharge of hazardous substances or oil in the stormwater discharge(s) from a facility shall be prevented or minimized in accordance with the applicable stormwater pollution prevention plan for the facility. This permit does not relieve the operator of the reporting requirements of 40 CFR Parts 110, 117 and 302. Where a release containing a hazardous substance or oil in an amount equal to or in excess of a reporting quantity established under either 40 CFR 110, 40 CFR 117, or 40 CFR 302, occurs during a 24-hour period, the following action shall be taken:
- 1) Any person in charge of the facility is required to notify the National Response Center (NRC) (800-424-8802) in accordance with the requirements of 40 CFR 110, 40 CFR 117, or 40 CFR 302 as soon as he/she has knowledge of the discharge;
  - 2) The operator shall submit within five (5) calendar days of knowledge of the release a written description of the release (including the type and estimate of the amount of material released), the date that such release occurred, and the circumstances leading to the release, and steps to be taken in accordance with Part II.B.13 of this permit to the ADEQ.
  - 3) The Stormwater Pollution Prevention Plan (SWPPP) described in Part II.A of this permit must be modified within fourteen (14) calendar days of knowledge of the release to:
    - a. Provide a description of the release and the circumstances leading to the release; and
    - b. The date of the release;
  - 4) Additionally, the SWPPP must be reviewed to identify measures to prevent the reoccurrence of such releases and to respond to such releases, and the plan must be modified where appropriate.
- B. Spills. This permit does not authorize the discharge of hazardous substances or oil resulting from an on-site spill.

**22. Attainment of Water Quality Standards.**

The operator must select, install, implement and maintain control measures at the construction site that minimize the discharge of turbidity and/or oil and grease and/or other pollutants at the discretion of the Director as necessary to protect water quality. In general, except in situations explained in below, the stormwater controls developed, implemented, and updated to be considered stringent enough to ensure that discharges do not cause or contribute to an excursion above any applicable water quality standard.

At any time after authorization, the ADEQ may determine that the stormwater discharges may cause, have reasonable potential to cause, or contribute to an excursion above any applicable water quality standard. If such a determination is made, ADEQ will require the permittee to:

- A. Develop a supplemental BMP action plan describing SWPPP modifications to address adequately the identified water quality concerns and submit valid and verifiable data and information that are representative of ambient conditions and indicate that the receiving water is attaining water quality standards; or
- B. Cease discharges of pollutants from construction activity and submit an individual permit application.

All written responses required under this part must include a signed certification consistent with Part II.B.9.

## **PART II STANDARD CONDITIONS**

Information in **Part II** is organized as follows:

**Section A:** Stormwater Pollution Prevention Plans (SWPPP):

1. Deadlines for Plan Preparation and Compliance
2. Signature, SWPPP, Inspection Reports, and Notice of Coverage (NOC)
3. Keeping SWPPP Current
4. Contents of the Stormwater Pollution Prevention Plan
5. Plan Certification

**Section B:** Standard Permit Conditions:

1. Retention of Records
2. Duty to Comply
3. Penalties for Violations of Permit Conditions
4. Continuance of Expired General Permit
5. Need to Halt or Reduce Activity Not a Defense
6. Duty to Mitigate
7. Duty to Provide Information
8. Other Information
9. Signatory Requirements
10. Certification
11. Penalties for Falsification of Reports
12. Penalties for Tampering
13. Oil and Hazardous Substance Liability
14. Property Rights
15. Severability
16. Transfers
17. Proper Operation and Maintenance
18. Inspection and Entry
19. Permit Actions
20. Re-Opener Clause
21. Local Requirements
22. Applicable Federal, State Requirements

## **SECTION A: STORMWATER POLLUTION PREVENTION PLANS (SWPPP)**

The operator must prepare a Stormwater Pollution Prevention Plan (the plan/SWPPP) before permit coverage. At least one SWPPP must be developed for each construction project or site covered by this permit. The SWPPP must follow the order outlined in Part II.A.4 & 5 below. This basic ADEQ format is available through the Department's website [http://www.adeg.state.ar.us/water/branch\\_permits/general\\_permits/stormwater/construction/construction.htm](http://www.adeg.state.ar.us/water/branch_permits/general_permits/stormwater/construction/construction.htm). Other formats may be used at the discretion of the Director **if** the format has been approved by the Department prior to use. The operator must implement the SWPPP as written from initial commencement of construction activity until final stabilization is complete, with changes being made as deemed necessary by the permittee, local, state or federal officials. The plan shall be prepared in accordance with good engineering practices, by qualified personnel and must:

- Identify potential sources of pollution which may reasonably be expected to affect the quality of stormwater discharges from the construction;
- Identify, describe and ensure the implementation of Best Management Practices (BMPs), with emphasis on initial site stabilization, which are to be used to reduce pollutants in stormwater discharges from the construction site;
- Be site specific to what is taking place on a particular construction site;
- Ensure compliance with the terms and conditions of this permit; and
- Identify the responsible party for on-site SWPPP implementation.

### **1. Deadlines for Plan Preparation and Compliance.**

#### **A. Large Construction Sites.**

The plan shall be completed and submitted for review, along with a NOI and initial permit fee 2 weeks prior to commencement of construction activities. Submittals of updates to the plan during the construction process are required only if requested by the Director.

#### **B. Automatic Coverage Sites.**

The plan shall be completed prior to the commencement of construction activities and updated as appropriate. Submittal of NOI, permit fee and SWPPP is not required. All conditions set forth in Part II.A must be followed and the NOC must be posted at the site prior to commencing construction. In addition, a copy of the SWPPP must be available at the construction site in accordance with Part II.2. B and D prior to commencing construction.

#### **C. Existing Permittees.**

Existing permittees, that were permitted prior to the issuance of this renewal permit, are required to update their plan as appropriate to come into compliance with the requirements contained in Part II.A.4 within **ninety (90) days** from the effective date of this permit.

### **2. Signature, Stormwater Pollution Prevention Plan (SWPPP), Inspection Reports and Notice of Coverage (NOC).**

- A. The SWPPP and inspection reports shall be signed by the operator (or cognizant official) in accordance with Part II.B.9 and be retained at the construction site during normal business hours (8:00 A.M. – 5:00 P.M.).
- B. The operator shall make SWPPP and inspection reports available, upon request, to the Director, the EPA, or a State or local agency reviewing sediment and erosion plans, grading plans, or stormwater management plans, or, in the case of a stormwater discharge associated with construction activity which discharges through a municipal separate storm sewer system with an NPDES permit, to the municipal operator of the system.
- C. The Director, or authorized representative, may notify the operator at any time that the plan does not meet one or more of the minimum requirements of this Part. Within seven (7) business days of such notification from the Director, (or as

otherwise provided by the Director), or authorized representative, the operator shall make the required changes to the plan and submit to the Director a written certification that the requested changes have been made. The Department may request re-submittal of the SWPPP to confirm that all deficiencies have been adequately addressed. The Department may also take appropriate enforcement action for the period of time the operator was operating under SWPPP that did not meet the minimum requirements of this permit.

D. The operator must post the NOC near the main entrance of the construction site and visible to the public. The NOC will indicate the location of the SWPPP. If the SWPPP location is changed from the initial location, the NOC shall be updated to reflect the correct location of the SWPPP

3. **Keeping SWPPP Current.** The operator shall amend the SWPPP within seven (7) business days or whenever there is a change in design, construction, operation, or maintenance at the construction site which has or could have a significant effect on the potential for the discharge of pollutants to the Waters of the State that has not been previously addressed in the SWPPP. The SWPPP should also be modified if a determination has been made through inspections, monitoring (if required), *or* investigation by the operator, local, state, or federal officials that the discharges are causing or contributing to water quality violation or the plan proves to be ineffective in eliminating or significantly minimizing pollutants from sources identified in stormwater discharges from the construction site.

4. **Contents of the Stormwater Pollution Prevention Plan (SWPPP).** The SWPPP shall include the following items:

A. **Site Description.** SWPPP shall provide a description of the following:

- 1) A description of the nature of the construction activity and its intended use after the Notice of Intent (NOI) is filed (i.e., residential subdivision, shopping mall, etc.);
- 2) A description of the intended sequence of major activities which disturb soils for major portions of the site (e.g. grubbing, excavation, grading, infrastructure installation, etc.);
- 3) Estimates of the total area of the site (including off-site borrow and fill areas) and the total area of the site that is expected to be disturbed by excavation, grading or other activities; and
- 4) An estimate of the runoff coefficient of the site for pre- and post-construction activities and existing data describing the soil or the quality of any discharge from the site.

B. **Responsible Parties.** The SWPPP must identify (as soon as this information is known) all parties (i.e., General Contractors, Landscapers, Project Designers, and Inspectors) responsible for particular services they provide to the operator to comply with the requirements of the SWPPP for the project site, and areas over which each party has control. If these parties change over the life of the permit, or new parties are added, then the SWPPP should be updated to reflect these changes.

C. **Receiving Waters.** The SWPPP must include a clear description of the nearest receiving water(s), or if the discharge is to a municipal separate storm sewer, the name of the operator of the municipal system, and the ultimate receiving water(s).

D. **Documentation of Permit Eligibility Related to the 303 (d) list and Total Maximum Daily Loads (TMDL).** The SWPPP should include information on whether or not the stormwater discharges from the site enter a water body that is on the most recent 303 (d) list or with an approved TMDL. If the stormwater discharge does enter a water body that is on the most recent 303(d) list or with an approved TMDL, then the SWPPP should address the following items:

- 1) Identification of the pollutants that the 303 (d) list or TMDL addresses, specifically whether the 303 (d) list or TMDL addresses sediment or a parameter that addresses sediment (such as total suspended solids, turbidity, or siltation);
- 2) Identification of whether the operator's discharge is identified, either specifically or generally, on the 303 (d) list or any associated assumptions and allocations identified in the TMDL for the discharge; and
- 3) Measures taken by the operator to ensure that its discharge of pollutants from the site is consistent with the assumptions and allocations of the TMDL.

If the Department determines during the review process that the proposed project will be discharging to a receiving water that is on the most recent 303 (d) list or with an approved TMDL, then the Department will notify the applicant to include additional Best Management Practices in the SWPPP.

E. Attainment of Water Quality Standards After Authorization.

- 1) The permittee must select, install, implement, and maintain BMPs at the construction site that minimize pollutants in the discharge as necessary to meet applicable water quality standards. In general, except in situations explained below, the SWPPP developed, implemented, and updated to be considered as stringent as necessary to ensure that the discharges do not cause or contribute to an excursion above any applicable water quality standard.
- 2) At any time after authorization, the Department may determine that the stormwater discharges may cause, have reasonable potential to cause, or contribute to an excursion above any applicable water quality standard. If such a determination is made, the Department will require the permittee to:
  - a. Develop a supplemental BMP action plan describing SWPPP modifications to address adequately the identified water quality concerns and submit valid and verifiable data and information that are representative of ambient conditions and indicate that the receiving water is attaining water quality standards; or
  - b. Cease discharges of pollutants from construction activity and submit an individual permit application.
- 3) All written responses required under this part must include a signed certification (Part II.B.9)

F. Site Map. The SWPPP must contain a legible site map (or multiple maps, if necessary) complete to scale, showing the entire site, that identifies, at a minimum, the following:

- 1) Pre-construction topographic view;
- 2) Direction of stormwater flow (i.e., use arrows to show which direction stormwater will flow) and approximate slopes anticipated after grading activities;
- 3) Delineate on the site map areas of soil disturbance and areas that will not be disturbed under the coverage of this permit;
- 4) Location of major structural and nonstructural controls identified in the plan;
- 5) Location of main construction entrance and exit;
- 6) Location where stabilization practices are expected to occur;
- 7) Locations of off-site materials, waste, borrow area, or equipment storage area;
- 8) Location of areas used for concrete wash-out;
- 9) Location of all surface water bodies (including wetlands);
- 10) Locations where stormwater is discharged to a surface water and/or municipal separate storm sewer system if applicable,
- 11) Locations where stormwater is discharged off-site (should be continuously updated);
- 12) Areas where final stabilization has been accomplished and no further construction phase permit requirements apply.

G. Stormwater Controls. Each plan shall include a description of appropriate controls and measures that will be implemented at the construction site. The plan will clearly describe for each activity identified in the project description control measures associated with the activity and the schedule during the construction process that the measures will be implemented. Perimeter controls for the site must be installed after the clearing and grubbing necessary for installation of the measure, but before the clearing and grubbing for the remaining portions of the site. Perimeter controls must be actively maintained until final stabilization of those portions of the site upward of the perimeter control. Temporary perimeter controls must be removed after final stabilization and properly disposed. The description and implementation of controls shall address the following minimum components:

- 1) Initial Site Stabilization, Erosion, and Sediment Controls and Best Management Practices. Design, install, implement and maintain effective erosion and sediment controls to minimize the discharge of pollutants. At a minimum the following controls and Best Management Practices (BMPs) must be designed, installed, implemented and maintained. Therefore, the SWPPP must address, at a minimum, the following:
  - a. For larger common plans, only streets, drainage, utility areas, areas needed for initial construction of streets (e.g., borrow pits, parking areas, etc.) and areas needed for stormwater structures may be disturbed initially. Upon stabilization of the initial areas, additional areas may be disturbed.
  - b. The construction-phase erosion (such as site stabilization) and sediment controls (such as check dams) should be designed to retain sediment on-site to the extent practicable.
  - c. All control measures must be properly selected, installed, and maintained in accordance with the manufacturer's specifications, good engineering, and construction practices. If periodic inspections or other information indicates a control has been used inappropriately or incorrectly, the permittee must replace or modify the control for site situations.
  - d. If sediment escapes the construction site, off-site accumulations of sediment must be removed at a frequency sufficient to minimize off-site impacts (e.g., fugitive sediment in street could be washed into storm sewers by the next rain and/or pose a safety hazard to users of public streets). This permit does not give the authority to trespass onto other property; therefore this condition should be carried out along with the permission of neighboring land owners to remove sediment.
  - e. Sediment must be removed from sediment traps (if used please specify what type) or sedimentation ponds when design capacity has been reduced by 50%.
  - f. Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges (e.g., screening outfalls picked up daily).
  - g. Off-site material storage areas (also including overburden and stockpiles of dirt, borrow areas, etc.) used solely by the permitted project are considered a part of the project and shall be addressed in the SWPPP.
  
- 2) Stabilization practices. The SWPPP must include, at a minimum, the following information:
  - a. Description and Schedule: A description of initial, interim, and permanent stabilization practices, including site-specific scheduling of the implementation of the practices. Site plans should ensure that existing vegetation is preserved where attainable and that disturbed areas are stabilized. Stabilization practices may include: mulching, temporary seeding, permanent seeding, geotextiles, sod stabilization, natural buffer strips, protection of trees, and preservation of mature vegetation and other appropriate measures.
  - b. Description of natural buffer areas: The Department requires that a natural buffer zone be established between the top of stream bank and the disturbed area. The SWPPP must contain a description of how the site will maintain natural buffer zones. For construction projects where clearing and grading activities will occur, SWPPP must provide at least twenty-five (25) feet of natural buffer zone from any named or unnamed streams, creeks, rivers, lakes or other water bodies. The plan must also provide at least fifty (50) feet of natural buffer zone from established TMDL water bodies, streams listed on the 303 (d)-list, an Extraordinary Resource Water (ERW), Ecologically Sensitive Waterbody (ESW), Natural and Scenic Waterway (NSW), and/or other uses at the discretion of the Director. If the site will be disturbed within the recommended buffer zone, then the buffer zone area must be stabilized as soon as possible. Exceptions from this requirement for areas, such as water crossings, limited water access, and restoration of the buffer are allowed if the permittee fully documents in the SWPPP the circumstances and reasons for the buffer zone encroachment. Additionally, this requirement is not intended to interfere with any other ordinance, rule or regulation, statute or other provision of law. Please note that above-grade clearing that does not disturb the soil in the buffer zone area does not have to comply with buffer zone requirements.
  - c. Records of Stabilization: A record of the dates when grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated shall be included in the plan.



d. **Deadlines for Stabilization:** Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily ceased, but in no case more than fourteen (14) days after the construction activity in that portion of the site has temporarily or permanently ceased, except:

- (1) Where the initiation of stabilization measures by the fourteenth (14<sup>th</sup>) day after construction activity temporarily ceases is precluded by snow cover, stabilization measures shall be initiated as soon as practicable.
- (2) In arid, semiarid, and drought-stricken areas where initiating vegetative stabilization measures immediately is infeasible, alternative stabilization measures must be employed as specified by the permitting authority.

3) **Structural Practices.** A description of structural practices to divert flows from exposed soils, store flows, or otherwise limit runoff and the discharge of pollutants from exposed areas of the site to the degree attainable. Structural practices should be placed on upland soils to the degree attainable. The installation of these devices may be subject to Section 404 of the Clean Water Act. Such practices may include but are not limited to:

- silt fences (installed and maintained)
- earthen dikes to prevent run-on
- drainage swales to prevent run-on
- check dams
- subsurface drains
- pipe slope drains
- storm drain inlet protection
- rock outlet protection
- sediment traps
- reinforced soil retaining systems
- gabions
- temporary or permanent sediment basins.

A combination of erosion and sediment control measures is encouraged to achieve maximum pollutant removal. Adequate spillway cross-sectional area and re-enforcement must be provided for check dams, sediment traps, and sediment basins.

a. **Sediment Basins:**

(1) For common drainage locations that serve an area with ten (10) or more acres (including run-on from other areas) draining to a common point, a temporary or permanent sediment basin that provides storage based on either the smaller of 3600 cubic feet per acre, or a size based on the runoff volume of a 10 year, 24 hour storm, shall be provided where attainable (so as not to adversely impact water quality) until final stabilization of the site. In determining whether installing a sediment basin is attainable, the operator may consider factors such as site soils, slope, available area on site, etc. Proper hydraulic design of the outlet is critical to achieving the desired performance of the basin. The outlet should be designed to drain the basin within twenty-four (24) to seventy-two (72) hours. (A rule of thumb is one square foot per acre for a spillway design.) The 24-hour limit is specified to provide adequate settling time; the seventy-two (72)-hour limit is specified to mitigate vector control concerns. If a pipe outlet design is chosen for the outfall, then an emergency spillway is required. If “non-attainability” is claimed, then an explanation of non-attainability shall be included in the SWPPP. Where a sediment basin is not attainable, smaller sediment basins and/or sediment traps shall be used. Where a sediment basin is un-attainable, natural buffer strips or other suitable controls which are effective are required for all side slopes and down slope boundaries of the construction area. The plans for removal of the sediment basin should also be included with the description of the basin in the SWPPP.

(2) For drainage locations serving an area less than ten (10) acres, sediment traps, silt fences, or equivalent

sediment controls are required for all side slope and down slope boundaries of the construction area unless a sediment basin providing storage based on either the smaller of 3600 cubic feet per acre, or a size based on the run off volume of a 10 year, 24 hour storm is provided. (A rule of thumb is one square foot per acre for a spillway.) However, in order to protect the Waters of the State, the Director, at their discretion, may require a sediment basin for any drainage areas draining to a common point.

b. Velocity Dissipation Devices:

Velocity dissipation devices must be placed at discharge locations, within concentrated flow areas serving two or more acres, and along the length of any outfall channel to provide a non-erosive flow velocity from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (i.e., no significant changes in the hydrological regime of the receiving water). Please note that the use of hay-bales is not recommended in areas of concentrated flow.

H. Other Controls.

- 1) No solid materials, including building materials, shall be discharged to Waters of the State.
- 2) Off-site vehicle tracking of sediments and the generation of dust shall be minimized through the use of a stabilized construction entrance and exit and/or vehicle tire washing.
- 3) For lots that are less than one (1) acre in size an alternative method may be used in addition to a stabilized construction entrance. An example of an alternative method could be daily street sweeping. This could allow for the shortening of the construction entrance.
- 4) The plan shall ensure and demonstrate compliance with applicable State or local waste disposal, temporary and permanent sanitary sewer or septic system regulations.
- 5) No liquid concrete waste shall be discharged to Waters of the State. Appropriate controls to prevent the discharge of concrete washout waters must be implemented if concrete washout will occur on-site.
- 6) No contaminants from fuel storage areas, hazardous waste storage and truck wash areas shall be discharged to waters of the State. Methods for protecting these areas shall be identified and implemented. These areas should not be located near a water body, if there is a water body on or near the project.

I. Non-stormwater discharges. Sources of non-stormwater listed in Part I.B.10 of this permit that are combined with stormwater discharges associated with construction activity must be identified in the plan. This list should be site specific non-stormwater discharges.

J. Post-Construction Stormwater Management. The operator is required to provide a description of measures that will be installed during the construction process to control pollutants in stormwater discharges that will occur after construction operations have been completed. Structural measures should be placed on upland soils to the degree attainable. The installation of these devices may be subject to Section 404 (Corps of Engineers) of the Clean Water Act. This permit only addresses the installation of stormwater management measures, and not the ultimate operation and maintenance of such structures after the construction activities have been completed and the site has undergone final stabilization. However, post-construction stormwater BMPs that discharge pollutants from a point source once construction is completed may need authorization under a separate ADEQ NPDES permit. Such practices may include but are not limited to:

- infiltration of runoff onsite
- flow attenuation by use of open vegetated swales and natural depressions
- stormwater retention structures
- stormwater detention structures (including wet ponds)
- sequential systems, which combine several practices

A goal of at least 80 % removal of total suspended solids from these flows which exceed predevelopment levels should be used in designing and installing stormwater management controls (where practicable). Where this goal is not met, the operator shall provide justification for rejecting each practice listed above based on site conditions.

K. Applicable State or Local Programs. The SWPPP must be updated as necessary to reflect any revisions to applicable federal, state, or local requirements that affect the stormwater controls implemented at the site.

L. Inspections.

Inspections should be conducted by qualified personnel (provided by the operator). Inspections must include all areas of the site disturbed by construction activity and areas used for storage of materials that are exposed to precipitation. Inspectors must look for evidence of, or the potential for, pollutants entering the stormwater conveyance system. Erosion and sedimentation control measures must be observed to ensure proper operation. Discharge locations must be inspected to determine whether erosion control measures are effective in preventing significant impacts to Waters of the State, where accessible. Where discharge locations are inaccessible, nearby downstream locations must be inspected to the extent that such inspections are practicable. Locations where vehicles enter or exit the site must be inspected for evidence of off-site sediment tracking. Inspections may not be required if the lot(s) within a larger common plan is/are sufficiently stabilized. In addition, inspections may not be required on a completed section of a linear project if that section has been sufficiently stabilized. Stabilized areas of the project should be indicated in the SWPPP and site map and show what date they were stabilized. The operator must ensure that no sediment will leave the lot(s) that are stabilized. These lots must be identified within the SWPPP and show what date they were stabilized. If the operator is unable to ensure this, then inspections must continue.

- 1) Inspection Frequency. Inspections must be conducted in accordance with one of the following schedules listed below. The schedule **must be specified** in the Stormwater Pollution Prevention Plan (SWPPP).
  - a. At least once every 7 calendar days, or
  - b. At least once every 14 calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater (a rain gauge must be maintained on-site).
- 2) Inspection Form. The ADEQ inspection form should be used for all inspections. The inspection form should include any erosion/sediment controls that are being used on the site. The form is available on the Department's website [www.adeg.state.ar.us](http://www.adeg.state.ar.us). If a different form is used it must at a minimum contain the following information:
  - a. Inspector Name and Title
  - b. Date of Inspection
  - c. Amount of Rainfall and Days Since Last Rain Event (only applicable to Part II.A.4.L.1.b)
  - d. Approximate beginning and duration of the storm event
  - e. Description of any discharges during inspection
  - f. Locations of discharges of sediment/other pollutants
  - g. Locations of BMPs in need of maintenance or where maintenance was performed
  - h. If the BMPs are in working order and if Maintenance is required (including when scheduled and completed)
  - i. Locations that are in need of additional controls
  - j. Location and Dates When Major Construction Activities Begin, Occur or Cease
  - k. Signature of qualified signatory official, in accordance with Part II.B.9

Additional information may be added to the inspection report at the permittees discretion.

- 3) Inspection Records. The report shall be retained as part of the SWPPP for at least three (3) years from the date the site is finally stabilized. The report shall be signed and have a certification statement in accordance with the requirements of this permit.
- 4) Winter Conditions. Inspections will not be required at construction sites where snow cover exists over the entire site for an extended period, and melting conditions do not exist. If there is any runoff from the site at any time during snow cover, melting conditions would be considered to be existent at the site and this inspection waiver would not apply. Regular inspections, as required by this permit, are required at all other times as specified in this

permit. If winter conditions prevent compliance with the permit, documentation of the beginning and ending date of winter conditions should be included in the SWPPP.

5) Adverse Weather Conditions. Adverse conditions are those that are dangerous or create inaccessibility for personnel, such as local flooding, high winds, or electrical storms, or situations that otherwise make inspections impractical, such as extended frozen conditions. When adverse weather conditions prevent the inspection of the site, an inspection should be completed as soon as is safe and feasible. If adverse weather conditions prevent compliance with the permit, documentation of the beginning and ending date of adverse weather conditions should be included in the SWPPP.

M. Maintenance. A description of procedures to maintain vegetation, erosion and sediment control measures and other protective measures in good, effective operating condition shall be outlined in the plan. Any repairs that are needed based on an inspection shall be completed, when practicable, before the next storm event, but not to exceed a period of three (3) business days of discovery, or as otherwise directed by state or local officials. However, if conditions do not permit large equipment to be used, a longer time frame is allowed if the condition is thoroughly documented on the inspection form. Maintenance for manufactured controls must be done at a minimum of the manufacturer's specifications. Maintenance for non-manufactured controls, i.e. check dams, sediment traps, must be done upon 50% capacity.

N. Employee Training. The permittee is responsible for training personnel who are responsible for implementing activities identified in the SWPPP on the components and goals of the SWPPP and the requirements of the general permit. This includes contractors and subcontractors. Training should be given by a knowledgeable and qualified trainer. The SWPPP shall identify periodic dates for such training and records of training must be maintained with the SWPPP. Training records that are maintained electronically (i.e. database, etc) do not need to be maintained with the SWPPP, but must be accessible upon request. Formal training classes given by Universities or other third-party organizations are not required but recommended for qualified trainers; the permittee is responsible for the content of the training being adequate for personnel to implement the requirements of the permit.

5. Plan Certification. The SWPPP Certification must be signed by either the operator or the cognizant official identified on the Notice of Intent. All documents required by the permit and other information requested by the Director shall be signed by operator or by a duly authorized representative of the operator (Please see Part II.B.10 below for certification).

## SECTION B: STANDARD PERMIT CONDITIONS

### 1. **Retention of Records.**

- A. The operator shall retain records of all Stormwater Pollution Prevention Plans, all inspection reports required by this permit, and records of all data used to complete the Notice of Intent (NOI) to be covered by this permit for a period of at least three years from the date the Notice of Termination letter is signed by the Department. This period may be extended by request of the Director at any time.
- B. The operator shall retain a signed copy of the Stormwater Pollution Prevention Plan (SWPPP) and inspection reports required by this permit at the construction site from the date of project initiation to the date of final stabilization.

2. **Duty to Comply.** The operator must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Water Act and the Arkansas Water and Air Pollution Control Act and is grounds for: enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application.

3. **Penalties for Violations of Permit Conditions.** The Arkansas Water and Air Pollution Control Act (Ark. Code Ann. 8-4-101 et seq.) provides that any person who violates any provisions of a permit issued under the Act shall be guilty of a misdemeanor and upon conviction thereof shall be subject to imprisonment for not more than one (1) year, or a criminal penalty of not more than twenty five thousand dollars (\$25,000) or by both such fine and imprisonment for each day of such violation. Any person who violates any provision of a permit issued under the Act may also be subject to civil penalty in such amount as the court shall find appropriate, not to exceed ten thousand dollars (\$10,000) for each day of such violation. The fact that any such violation may constitute a misdemeanor shall not be a bar to the maintenance of such civil action.

4. **Continuance of the Expired General Permit.** An expired general permit continues in force and effect until a new general permit is issued. If this permit is not re-issued or replaced prior to the expiration date, it will be administratively continued in accordance with Arkansas Act 731 of 2011 and remain in force and effect. If the permittee were granted permit coverage prior to the expiration date, the permittee will automatically remain covered by the continued permit until the earliest of:

- A. Re-issuance or replacement of this permit, at which time operators must comply with the conditions of the new permit, within 180 days prior to expiration date and no later than 30 days prior to expiration date; or
- B. The operator's submittal of a Notice of Termination (NOT); or
- C. Issuance of an individual permit for the project's discharges; or
- D. A formal permit decision by the ADEQ to not re-issue this general permit, at which time operators must seek coverage under an individual permit.

Small site operators are responsible for ensuring that the site is in compliance with any changes or updates of this general permit, by reviewing the ADEQ website at:

[http://www.adeg.state.ar.us/water/branch\\_permits/general\\_permits/stormwater/construction/construction.htm](http://www.adeg.state.ar.us/water/branch_permits/general_permits/stormwater/construction/construction.htm) .

5. **Need to Halt or Reduce Activity Not a Defense.** It shall not be a defense for an operator in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

6. **Duty to Mitigate.** The operator shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit which has reasonable likelihood of adversely affecting human health or the environment.

7. **Duty to Provide Information.** The operator shall furnish to the Director, an authorized representative of the Director, the

EPA, a State or local agency reviewing sediment and erosion plans, grading plans, or stormwater management plans, or in the case of a stormwater discharge associated with industrial activity which discharges through a Municipal Separate Storm Sewer System (MS4) with an NPDES permit, to the municipal operator of the system, within a reasonable time, any information which is requested to determine compliance with this permit.

8. **Other Information.** When the operator becomes aware that he or she failed to submit any relevant facts or submitted incorrect information in the Notice of Intent or in any other report to the Director, he or she shall promptly submit such facts or information.
9. **Signatory Requirements.** All Notices of Intent (NOIs), reports, or information submitted to the Director or the operator of a regulated small, medium, or large municipal separate storm sewer system shall be signed and certified.

A. All Notices of Intent shall be signed as follows:

- 1) **For a corporation:** by a responsible corporate officer. For purposes of this section, a responsible corporate officer means:
  - a. A president, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or
  - b. The manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to ensure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
- 2) **For a partnership or sole proprietorship:** by a general partner or the proprietor, respectively;
- 3) **For a municipality, State, Federal or other public agency:** By either a principal executive or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes:
  - a. The chief executive officer of the agency; or
  - b. A senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

B. All reports required by the permit and other information requested by the Director shall be signed by a person described above or by a **duly authorized** representative of that person. A person is a duly authorized representative only if:

- 1) The authorization is made in writing by a person described above and submitted to the Director;
- 2) The authorization specifies either an individual or a person having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field, superintendent, or position of equivalent responsibility, or position of equivalent responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position); and
- 3) **Changes to authorization.** If an authorization under this Part is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the above requirements must be submitted to the Director prior to or together with any reports, information, or applications to be signed by an authorized representative.

**10. Certification.** Any person signing a document under this section shall make the following certification:

"I certify under penalty of law that this document and all attachments such as Inspection Form were prepared under my direction or supervision in accordance with a system designed to ensure 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."

Note: For this permit only, "this document" refers to the Stormwater Pollution Prevention Plan, "attachments" refers to the site map and inspection forms, and "system" is referencing the project site.

**11. Penalties for Falsification of Reports.** The Arkansas Water and Air Pollution Control Act provides that any person who knowingly makes any false statement, representation, or certification in any application, record, report, plan or other document filed or required to be maintained under this permit shall be subject to civil penalties specified in Part II.B.3 of this permit and/or criminal penalties under the authority of the Arkansas Water and Air Pollution Control Act (Ark. Code Ann. 8-4-101 et seq.).

**12. Penalties for Tampering.** The Arkansas Water and Air Pollution Control act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under the Act shall be guilty of a misdemeanor and upon conviction thereof shall be subject to imprisonment for not more than one (1) year or a fine of not more than twenty five thousand dollars (\$25,000) or by both such fine and imprisonment.

**13. Oil and Hazardous Substance Liability.** Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the operator from any responsibilities, liabilities, or penalties to which the operator is or may be subject under Section 311 of the Clean Water Act or Section 106 of CERCLA.

**14. Property Rights.** The issuance of this permit does not convey any property rights of any sort or any exclusive privileges, nor does it authorize any injury to private property, any invasion of personal rights, or any infringement of Federal, State, or local laws or regulations.

**15. Severability.** The provisions of this permit are severable. If any provisions of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provisions to other circumstances and the remainder of this permit shall not be affected thereby.

**16. Transfers.** This permit is not transferable to any person except after notice to the Director. A transfer form must be submitted to the ADEQ as required by this permit.

**17. Proper Operation and Maintenance.** The operator shall at all times:

- A. Properly operate and maintain all systems of treatment and control (and related appurtenances) which are installed or used by the operator to achieve compliance with the conditions of this permit. This provision requires the operation of backup or auxiliary facilities or similar systems which are installed by an operator only when the operation is necessary to achieve compliance with the conditions of the permit.
- B. Provide an adequate operating staff which is duly qualified to carry out operation, inspection, maintenance, and testing functions required to ensure compliance with the conditions of this permit.

**18. Inspection and Entry.** The operator shall allow the Director, the EPA, or an authorized representative, or, in the case of a construction site which discharges to a municipal separate storm sewer, an authorized representative of the municipal operator of the separate sewer system receiving the discharge, upon the presentation of credentials and other documents as may be required by law, to:

- A. Enter upon the operator's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
- B. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- C. Inspect at reasonable times any facilities or equipment, including monitoring and control equipment and practices or operations regulated or required by the permit;
- D. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the CWA, any substances or parameters at any location on the permitted property.

**19. Permit Actions.** This permit may be modified, revoked and reissued, or terminated for any cause including, but not limited to, the following;

- A. Violation of any terms or conditions of this permit;
- B. Obtaining this permit by misrepresentation or failure to fully disclose all relevant facts;
- C. A change in any conditions that requires either a temporary or permanent reduction or elimination of the authorized discharge;
- D. A determination that the permitted activity endangers human health or the environment and can only be regulated to acceptable levels by permit modification or termination; or
- E. Failure of the operator to comply with the provisions of ADEQ Regulation No. 9 (Fee Regulation). Failure to promptly remit all required fees shall be grounds for the Director to initiate action to terminate this permit under the provisions of 40 CFR 122.64 and 124.5(d), as adopted by reference in ADEQ Regulation No. 6, and the provisions of ADEQ Regulation No. 8.

**20. Re-Opener Clause.**

- A. If there is evidence indicating potential or realized impacts on water quality due to any stormwater discharge associated with industrial activity covered by this permit, the operator of such discharge may be required to obtain an individual permit or an alternative general permit in accordance with Part I.B.22 of this permit, or the permit may be modified to include different limitations and/or requirements.
- B. Permit modification or revocation will be conducted in accordance with the provisions of 40 CFR 122.62, 122.63, 122.64 and 124.5, as adopted by reference in ADEQ Regulation No. 6.

**21. Local Requirements.** All dischargers must comply with the lawful requirements of municipalities, counties, drainage districts, and other local agencies regarding any discharges of stormwater to storm drain systems or other water sources under their jurisdiction, including applicable requirements in municipal stormwater management programs developed to comply with the ADEQ permits. Dischargers must comply with local stormwater management requirements, policies, or guidelines including erosion and sediment control.

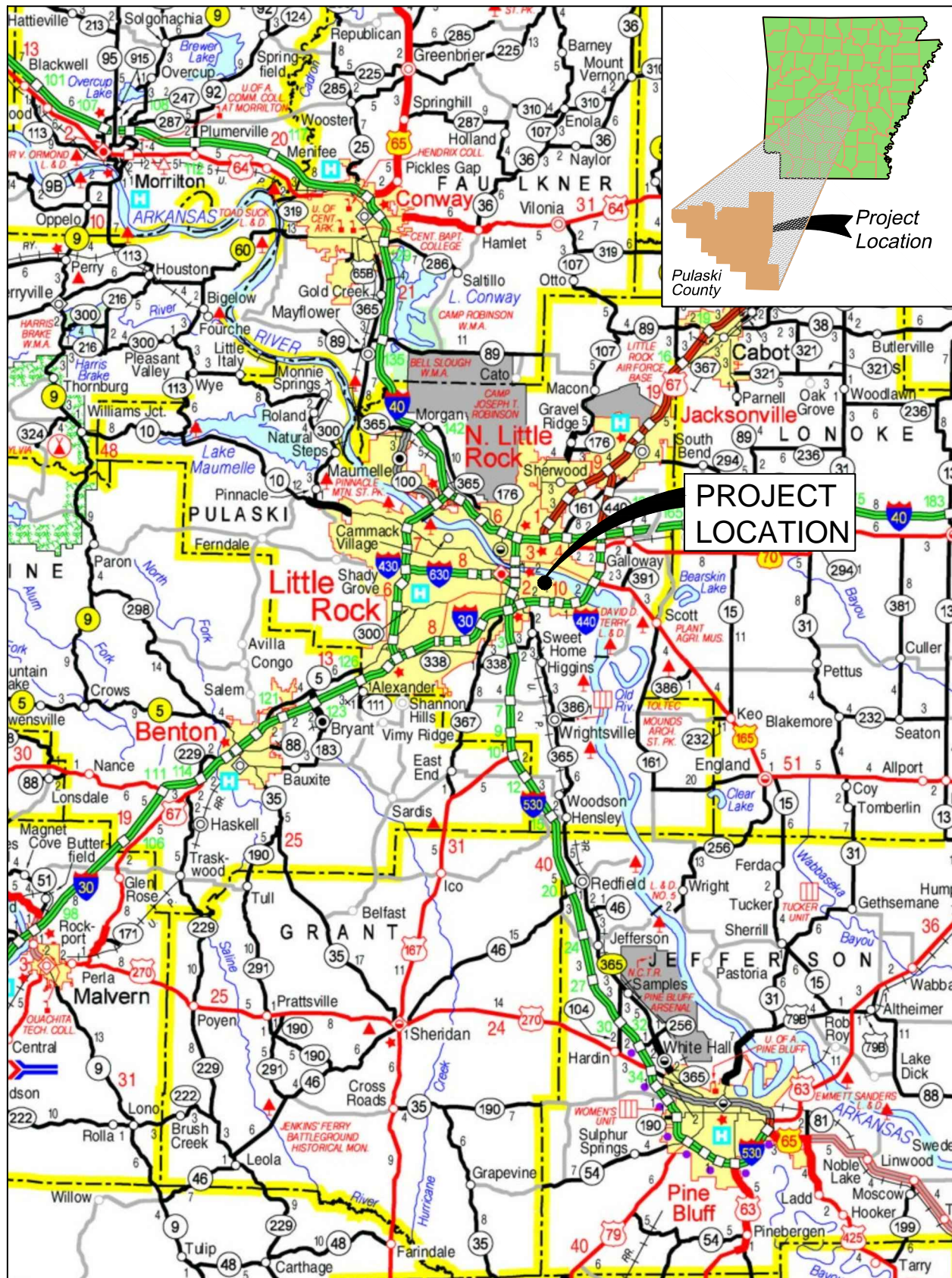
**22. Applicable Federal, State Requirements.** Permittees are responsible for compliance with all applicable terms and conditions of this permit. Receipt of this permit does not relieve any operator of the responsibility to comply with any other applicable federal, state or local statute, ordinance policy, or regulation.



# ATTACHMENT B

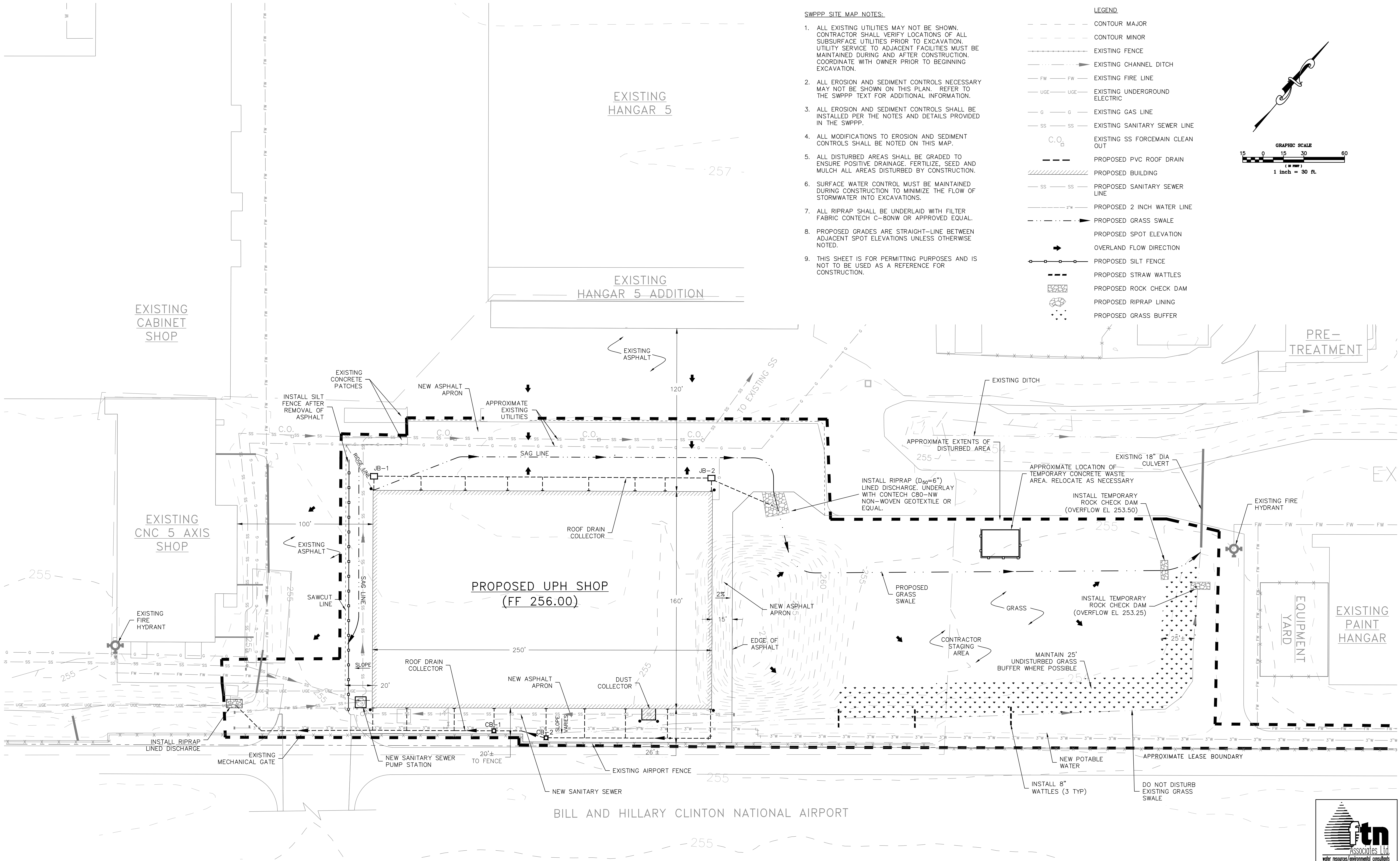
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**Figures**



Vicinity map based on Arkansas Highway map.



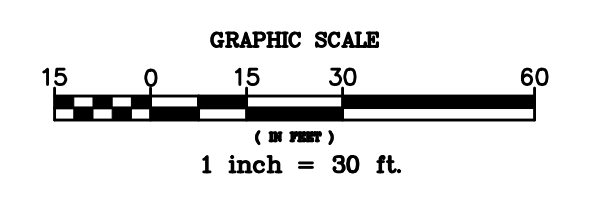


**SWPPP SITE MAP NOTES:**

1. ALL EXISTING UTILITIES MAY NOT BE SHOWN. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL SUBSURFACE UTILITIES PRIOR TO EXCAVATION. UTILITY SERVICE TO ADJACENT FACILITIES MUST BE MAINTAINED DURING AND AFTER CONSTRUCTION. COORDINATE WITH OWNER PRIOR TO BEGINNING EXCAVATION.
2. ALL EROSION AND SEDIMENT CONTROLS NECESSARY MAY NOT BE SHOWN ON THIS PLAN. REFER TO THE SWPPP TEXT FOR ADDITIONAL INFORMATION.
3. ALL EROSION AND SEDIMENT CONTROLS SHALL BE INSTALLED PER THE NOTES AND DETAILS PROVIDED IN THE SWPPP.
4. ALL MODIFICATIONS TO EROSION AND SEDIMENT CONTROLS SHALL BE NOTED ON THIS MAP.
5. ALL DISTURBED AREAS SHALL BE GRADED TO ENSURE POSITIVE DRAINAGE. FERTILIZE, SEED AND MULCH ALL AREAS DISTURBED BY CONSTRUCTION.
6. SURFACE WATER CONTROL MUST BE MAINTAINED DURING CONSTRUCTION TO MINIMIZE THE FLOW OF STORMWATER INTO EXCAVATIONS.
7. ALL RIPRAP SHALL BE UNDERLAID WITH FILTER FABRIC CONTECH C-80NW OR APPROVED EQUAL.
8. PROPOSED GRADES ARE STRAIGHT-LINE BETWEEN ADJACENT SPOT ELEVATIONS UNLESS OTHERWISE NOTED.
9. THIS SHEET IS FOR PERMITTING PURPOSES AND IS NOT TO BE USED AS A REFERENCE FOR CONSTRUCTION.

**LEGEND**

- CONTOUR MAJOR
- CONTOUR MINOR
- EXISTING FENCE
- EXISTING CHANNEL DITCH
- FW FW EXISTING FIRE LINE
- UGE UGE EXISTING UNDERGROUND ELECTRIC
- G G EXISTING GAS LINE
- SS SS EXISTING SANITARY SEWER LINE
- C.O. EXISTING SS FORCEMAIN CLEAN OUT
- PROPOSED PVC ROOF DRAIN
- PROPOSED BUILDING
- SS SS PROPOSED SANITARY SEWER LINE
- PROPOSED 2 INCH WATER LINE
- PROPOSED GRASS SWALE
- PROPOSED SPOT ELEVATION
- OVERLAND FLOW DIRECTION
- PROPOSED SILT FENCE
- PROPOSED STRAW WATTLES
- PROPOSED ROCK CHECK DAM
- PROPOSED RIPRAP LINING
- PROPOSED GRASS BUFFER



EXISTING CABINET SHOP

EXISTING HANGAR 5

EXISTING HANGAR 5 ADDITION

EXISTING CNC 5 AXIS SHOP

PROPOSED UPH SHOP (FF 256.00)

PRE-TREATMENT

EXISTING PAINT HANGAR

EQUIPMENT YARD

BILL AND HILLARY CLINTON NATIONAL AIRPORT



NEW UPH SHOP



STORMWATER POLLUTION PREVENTION PLAN

SITE MAP

PROJECT NO.	05284-0248-001
DATE	06-09-2014
SHEET NO.	SWPPP

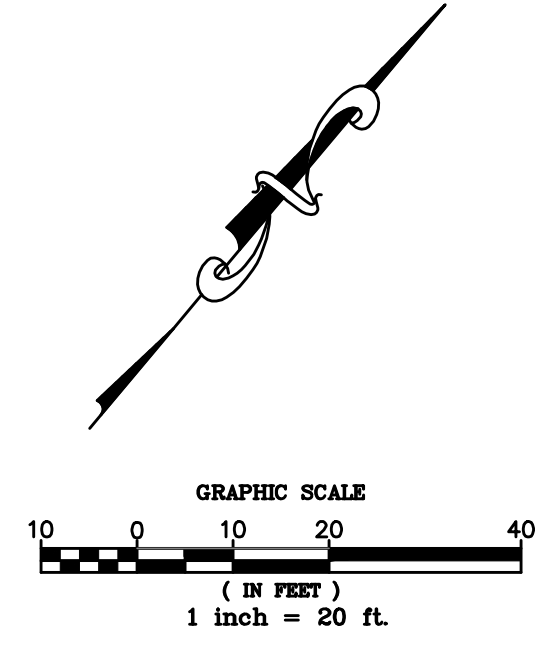
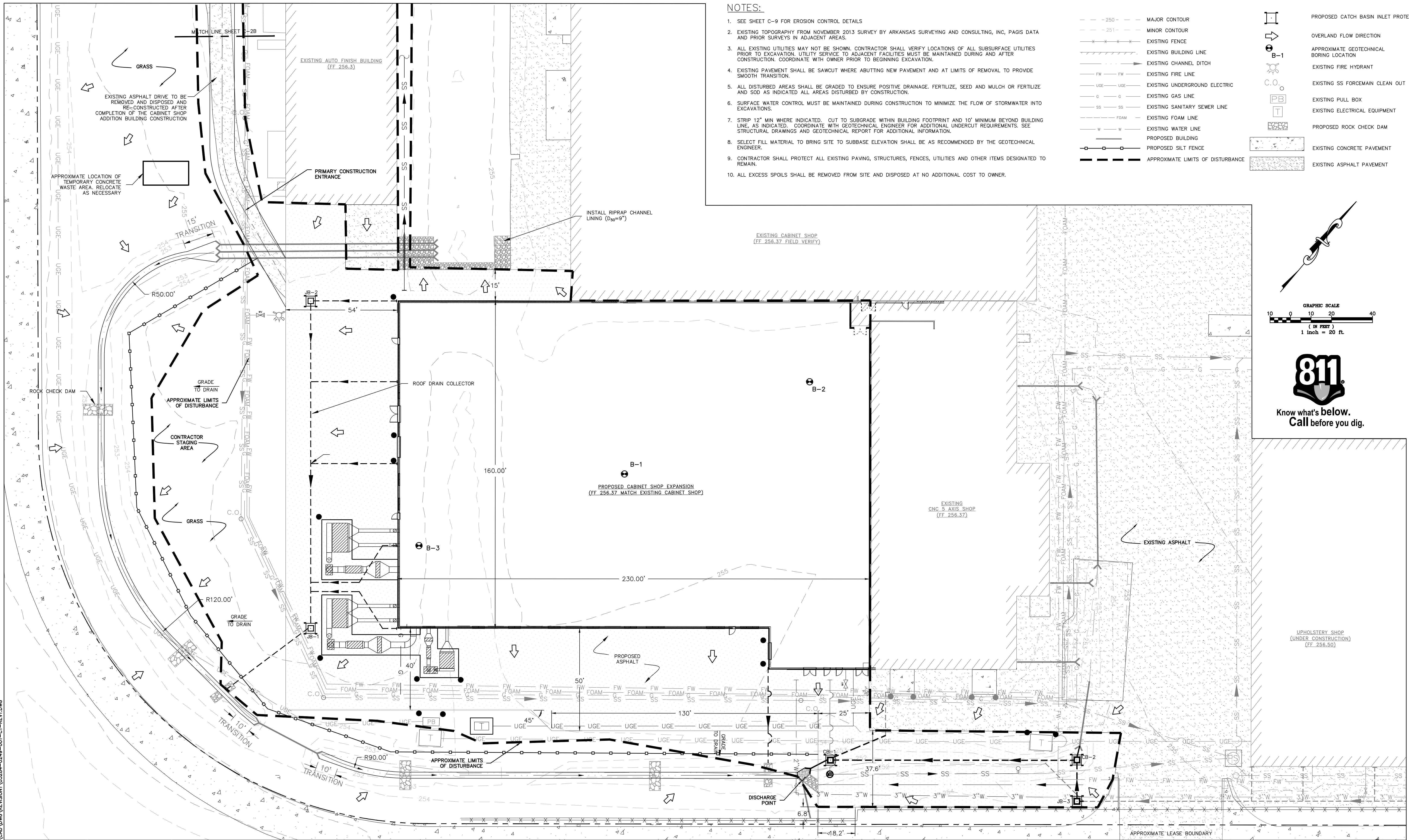


LEGEND

- 250- MAJOR CONTOUR
- 251- MINOR CONTOUR
- EXISTING FENCE
- EXISTING BUILDING LINE
- EXISTING CHANNEL DITCH
- EXISTING FIRE LINE
- EXISTING UNDERGROUND ELECTRIC
- EXISTING GAS LINE
- EXISTING SANITARY SEWER LINE
- EXISTING FOAM LINE
- EXISTING WATER LINE
- PROPOSED BUILDING
- PROPOSED SILT FENCE
- APPROXIMATE LIMITS OF DISTURBANCE
- PROPOSED CATCH BASIN INLET PROTECTION
- OVERLAND FLOW DIRECTION
- APPROXIMATE GEOTECHNICAL BORING LOCATION
- EXISTING FIRE HYDRANT
- EXISTING SS FORCEMAIN CLEAN OUT
- EXISTING PULL BOX
- EXISTING ELECTRICAL EQUIPMENT
- PROPOSED ROCK CHECK DAM
- EXISTING CONCRETE PAVEMENT
- EXISTING ASPHALT PAVEMENT

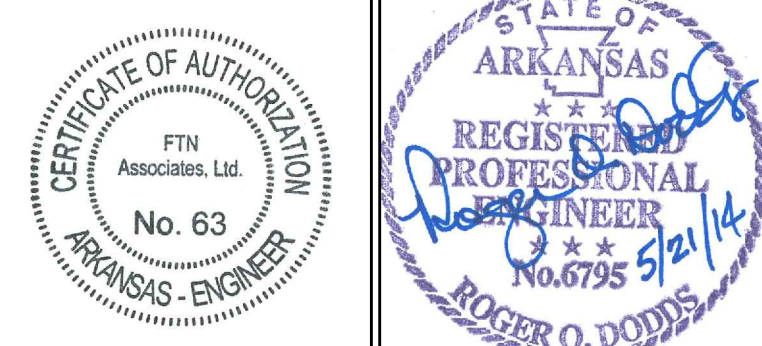
NOTES:

1. SEE SHEET C-9 FOR EROSION CONTROL DETAILS
2. EXISTING TOPOGRAPHY FROM NOVEMBER 2013 SURVEY BY ARKANSAS SURVEYING AND CONSULTING, INC. PAGIS DATA AND PRIOR SURVEYS IN ADJACENT AREAS.
3. ALL EXISTING UTILITIES MAY NOT BE SHOWN. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL SUBSURFACE UTILITIES PRIOR TO EXCAVATION. UTILITY SERVICE TO ADJACENT FACILITIES MUST BE MAINTAINED DURING AND AFTER CONSTRUCTION. COORDINATE WITH OWNER PRIOR TO BEGINNING EXCAVATION.
4. EXISTING PAVEMENT SHALL BE SAWCUT WHERE ABUTTING NEW PAVEMENT AND AT LIMITS OF REMOVAL TO PROVIDE SMOOTH TRANSITION.
5. ALL DISTURBED AREAS SHALL BE GRADED TO ENSURE POSITIVE DRAINAGE. FERTILIZE, SEED AND MULCH OR FERTILIZE AND SOO AS INDICATED ALL AREAS DISTURBED BY CONSTRUCTION.
6. SURFACE WATER CONTROL MUST BE MAINTAINED DURING CONSTRUCTION TO MINIMIZE THE FLOW OF STORMWATER INTO EXCAVATIONS.
7. STRIP 12" MIN WHERE INDICATED. CUT TO SUBGRADE WITHIN BUILDING FOOTPRINT AND 10' MINIMUM BEYOND BUILDING LINE, AS INDICATED. COORDINATE WITH GEOTECHNICAL ENGINEER FOR ADDITIONAL UNDERCUT REQUIREMENTS. SEE STRUCTURAL DRAWINGS AND GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.
8. SELECT FILL MATERIAL TO BRING SITE TO SUBBASE ELEVATION SHALL BE AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
9. CONTRACTOR SHALL PROTECT ALL EXISTING PAVING, STRUCTURES, FENCES, UTILITIES AND OTHER ITEMS DESIGNATED TO REMAIN.
10. ALL EXCESS SPOILS SHALL BE REMOVED FROM SITE AND DISPOSED AT NO ADDITIONAL COST TO OWNER.



Know what's below.  
Call before you dig.

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CABINET SHOP ADDITION  
3801 E. 10TH STREET

**HURD LONG**  
Architects & Design Consultants, P.A.  
1015 Van Bockle Street • Conway Arkansas 72032 • 501/536-9447  
319 President Clinton Ave. suite 20 • Little Rock, Arkansas 72201 • 501/707-0335



REV	DATE	DESCRIPTION	BY	APVD

STORMWATER  
POLLUTION  
PREVENTION PLAN  
SITE MAP

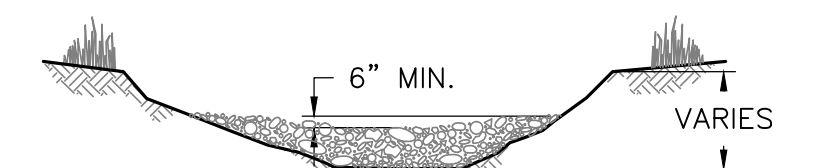
PROJECT NO.  
12-9-2014  
DATE  
5-29-2014  
SHEET NO.  
**SWPPP**



# ATTACHMENT C

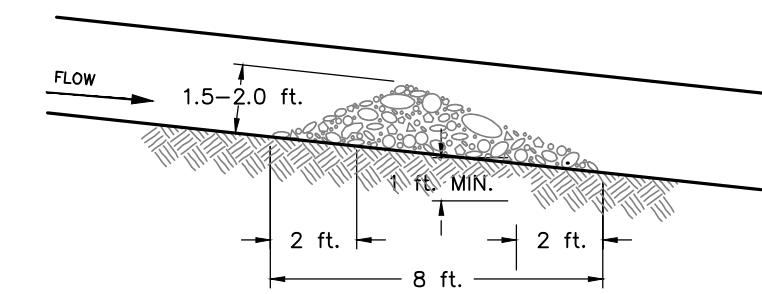
---

**Erosion and Sediment Control Details**

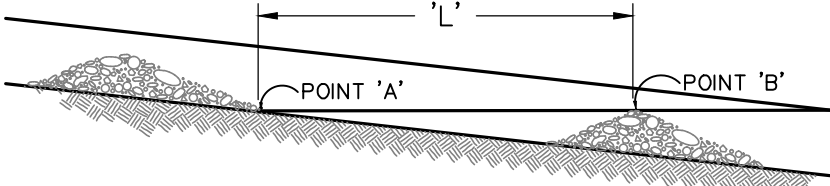


**ROCK CHECK DAM  
VIEW LOOKING UP STREAM  
DETAIL**  
SCALE: N.T.S.

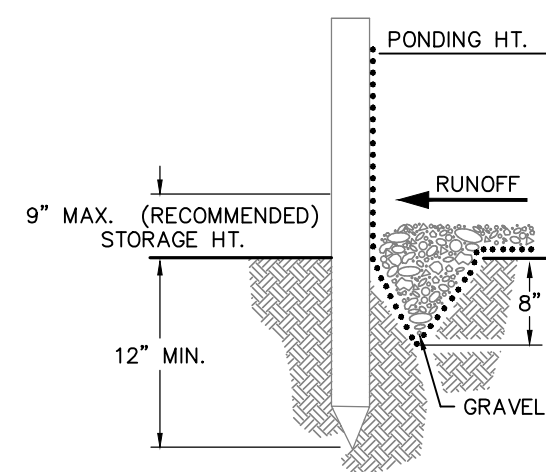
NOTE:  
KEY STONE INTO THE DITCH BANKS AND EXTEND IT BEYOND THE ABUTMENTS A MINIMUM OF 18" TO PREVENT OVER FLOW AROUND DAM. FIELD ADJUST HEIGHT OF DAM SO THAT FLOW IS CONFINED TO CHANNEL.



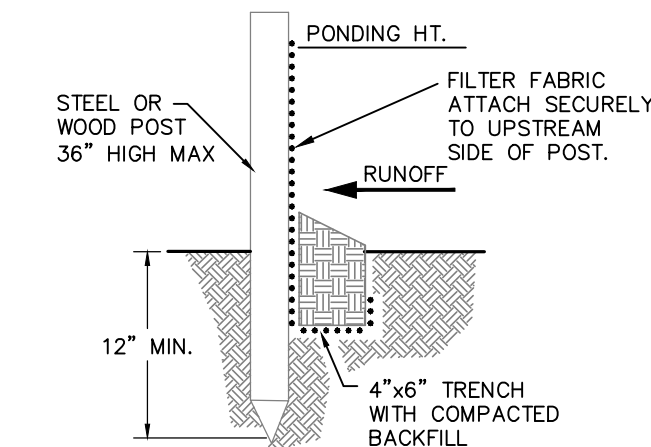
"L" = THE DISTANCE SUCH THAT POINTS "A" AND "B" ARE OF EQUAL ELEVATION.



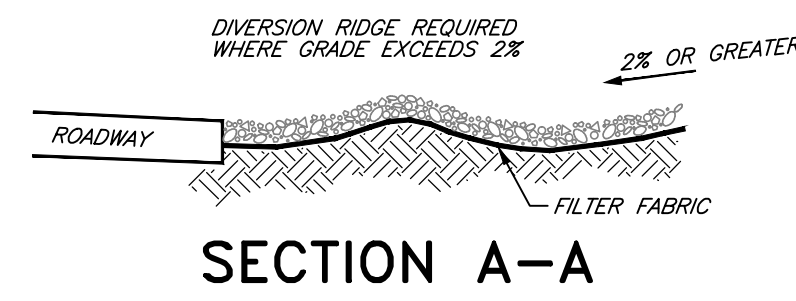
**SPACING BETWEEN CHECK DAMS  
ROCK CHECK DAM  
DETAIL**  
SCALE: N.T.S.



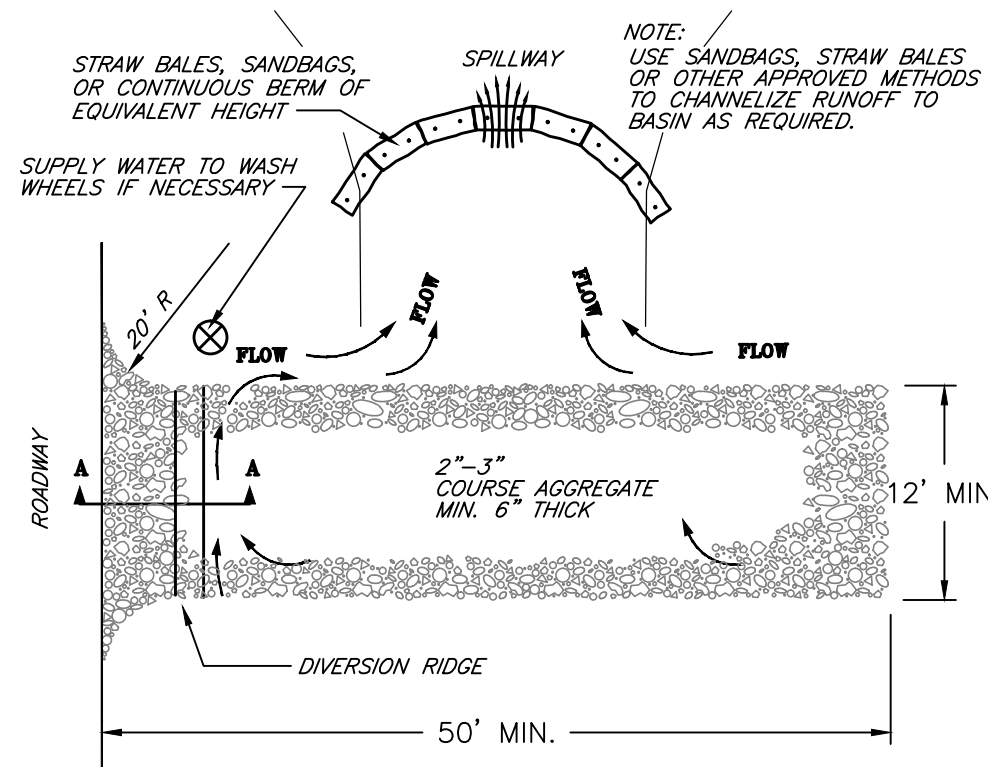
**ALTERNATIVE DETAIL  
TRENCH WITH GRAVEL**  
SCALE: N.T.S.



**STANDARD DETAIL  
TRENCH WITH NATIVE BACKFILL**  
SCALE: N.T.S.



**SECTION A-A**

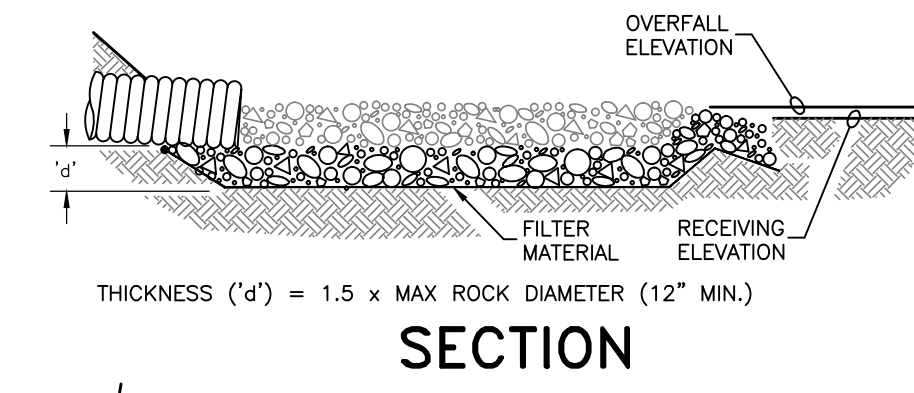


**PLAN**

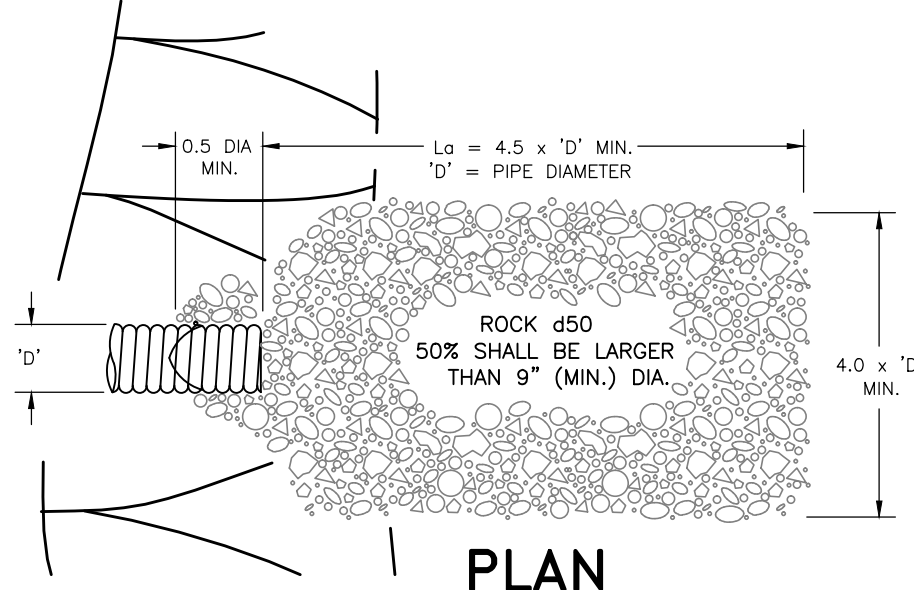
NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

**GRAVEL CONSTRUCTION  
ENTRANCE/EXIT**  
SCALE: N.T.S.



**SECTION**

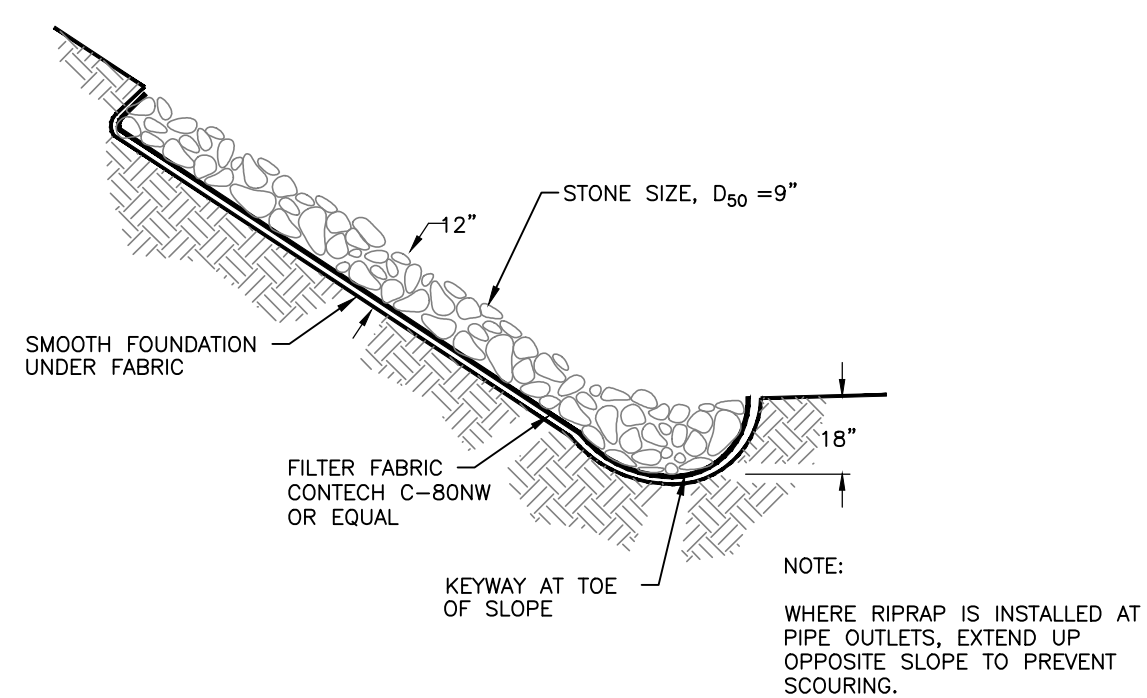


**PLAN**

NOTES:

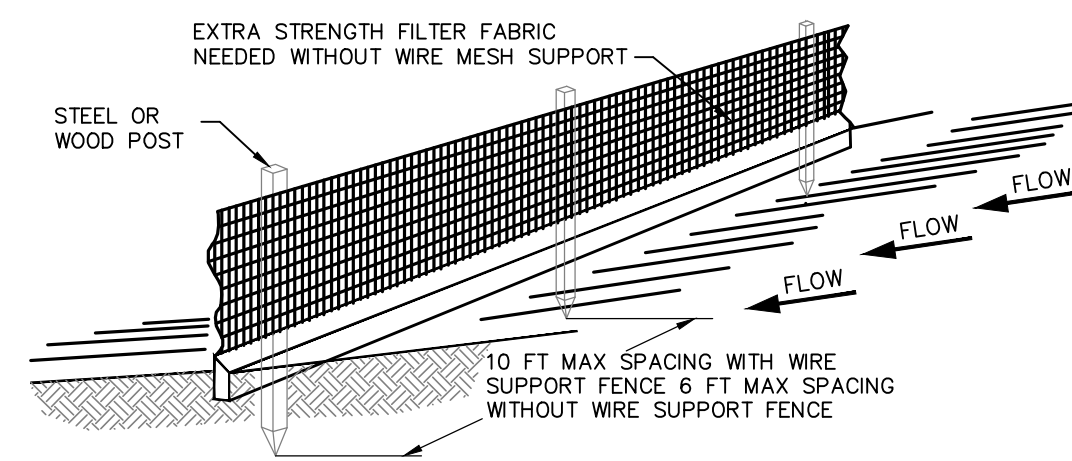
1. "Lo" = LENGTH OF APRON. DISTANCE "Lo" SHALL BE OF SUFFICIENT LENGTH TO DISSIPATE ENERGY.
2. APRON SHALL BE SET AT A ZERO GRADE AND ALIGNED STRAIGHT.
3. FILTER MATERIAL SHALL BE FILTER FABRIC OR 6" THICK (MIN.) GRADED GRAVEL LAYER.

**DISSIPATER  
DETAIL**  
SCALE: N.T.S.



**RIPRAP SLOPE PROTECTION  
DETAIL**  
SCALE: N.T.S.

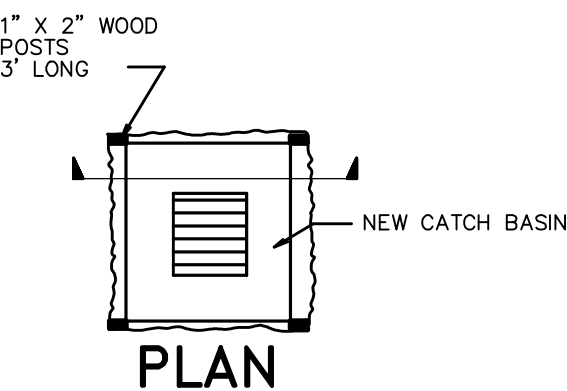
NOTE:  
WHERE RIPRAP IS INSTALLED AT PIPE OUTLETS, EXTEND UP OPPOSITE SLOPE TO PREVENT SCOURING.



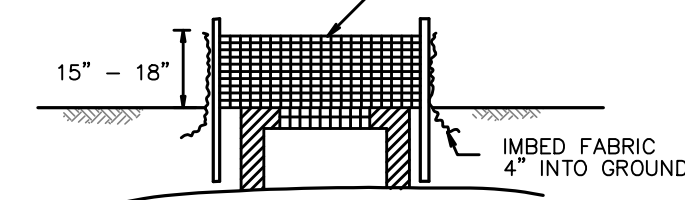
- NOTE:
1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
  2. REMOVED SEDIMENT SHALL BE DISPOSED OFF-SITE AT NO ADDITIONAL COST TO OWNER.
  3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

**SILT FENCE  
DETAIL**  
SCALE: N.T.S.

NOTE: STRAW BALES MAY BE USED IN LIEU OF SILT FENCE AROUND CATCH BASINS. BALES SHALL BE IMBEDDED 4" INTO GROUND AND SECURELY STAKED IN PLACE.



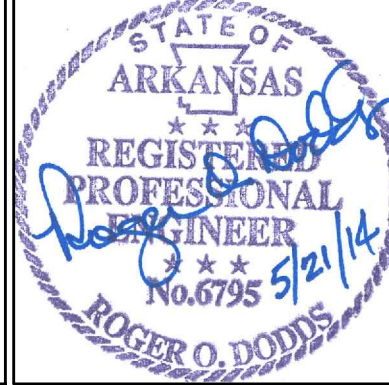
**PLAN**



**SECTION**

**TEMPORARY CATCH BASIN  
EROSION PROTECTION  
DETAIL**  
SCALE: N.T.S.

R:\PROJECTS\05284-0249-001\CAD\DWG\REVISION\05284-0249-001-C9.DWG



CABINET SHOP ADDITION  
3801 E. 10TH STREET

**HURD LONG**  
Architects & Design Consultants, P.A.  
1015 Van Bockle Street • Conway, Arkansas 72032 • 501/536-9447  
519 President Clinton Ave. suite 201 • Little Rock, Arkansas 72201 • 501/707-0335



REV	DATE	DESCRIPTION	BY	APVD

**EROSION CONTROL  
DETAILS**

PROJECT NO.  
**12-9-2014**  
DATE  
**5-21-2014**  
SHEET NO.  
**C-9**

# ATTACHMENT D

---

## Runoff Coefficient Computations

**COMPUTATION SHEET FOR DETERMINING RUNOFF**

**COEFFICIENTS DASSAULT FALCON -New Upholstery Shop**

Total Site Area = 2.2 Acres [A]

**Existing Site Conditions**

Impervious Site Area <sup>1</sup> = 0.65 Acres [B]

Impervious Site Area Runoff Coefficient <sup>2,4</sup> = 0.95 [C]

Pervious Site Area <sup>3</sup> = 1.52 Acres [D]

Pervious Site Area Runoff Coefficient <sup>4</sup> = 0.20 [E]

**Pre-Construction Runoff Coefficient**

$$\frac{[B \times C] + [D \times E]}{[A]} = 0.42$$

**Proposed Site Conditions (after construction)**

Impervious Site Area <sup>1</sup> = 1.28 Acres [F]

Impervious Site Area Runoff Coefficient <sup>2,4</sup> = 0.95 [G]

Pervious Site Area <sup>3</sup> = 0.88 Acres [H]

Pervious Site Area Runoff Coefficient <sup>4</sup> = 0.20 [I]

**Post-Construction Runoff Coefficient**

$$\frac{[F \times G] + [H \times I]}{[A]} = 0.63$$

1. Includes paved areas, areas covered by buildings, and other impervious surfaces.
2. Use 0.95 unless lower or higher runoff coefficient can be verified.
3. Includes areas of vegetation, most unpaved or uncovered soil surfaces, and other pervious areas.
4. Refer to local Hydrology Manual for typical C values.



COMPUTATION SHEET FOR DETERMINING RUNOFF

COEFFICIENTS DASSAULT FALCON -Cabinet Shop Addition

Total Site Area = 2.8 Acres [A]

**Existing Site Conditions**

Impervious Site Area <sup>1</sup> = 0.16 Acres [B]

Impervious Site Area Runoff Coefficient <sup>2,4</sup> = 0.95 [C]

Pervious Site Area <sup>3</sup> = 2.64 Acres [D]

Pervious Site Area Runoff Coefficient <sup>4</sup> = 0.20 [E]

**Pre-Construction Runoff Coefficient**

$$\frac{[B \times C] + [D \times E]}{[A]} = 0.24$$

**Proposed Site Conditions (after construction)**

Impervious Site Area <sup>1</sup> = 1.96 Acres [F]

Impervious Site Area Runoff Coefficient <sup>2,4</sup> = 0.95 [G]

Pervious Site Area <sup>3</sup> = 0.84 Acres [H]

Pervious Site Area Runoff Coefficient <sup>4</sup> = 0.20 [I]

**Post-Construction Runoff Coefficient**

$$\frac{[F \times G] + [H \times I]}{[A]} = 0.73$$

1. Includes paved areas, areas covered by buildings, and other impervious surfaces.
2. Use 0.95 unless lower or higher runoff coefficient can be verified.
3. Includes areas of vegetation, most unpaved or uncovered soil surfaces, and other pervious areas.
4. Refer to local Hydrology Manual for typical C values.

# ATTACHMENT E

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**NCRS Soil Survey**

# Custom Soil Resource Report for **Pulaski County, Arkansas**



# Preface

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Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<http://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist ([http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2\\_053951](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951)).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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# **How Soil Surveys Are Made**

---

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil scientists classified and named the soils in the survey area, they compared the

## Custom Soil Resource Report

individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.



# Soil Map

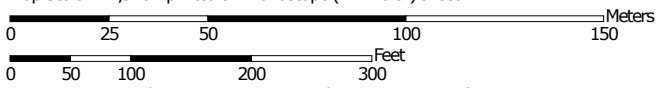
---

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

# Custom Soil Resource Report Soil Map




Map Scale: 1:1,910 if printed on A landscape (11" x 8.5") sheet.




Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 15N WGS84


### MAP LEGEND

**Area of Interest (AOI)**

 Area of Interest (AOI)


**Soils**


 Soil Map Unit Polygons


 Soil Map Unit Lines


 Soil Map Unit Points

**Special Point Features**

 Blowout

 Borrow Pit

 Clay Spot

 Closed Depression

 Gravel Pit

 Gravelly Spot


 Landfill

 Lava Flow

 Marsh or swamp

 Mine or Quarry

 Miscellaneous Water


 Perennial Water

 Rock Outcrop


 Saline Spot

 Sandy Spot

 Severely Eroded Spot


 Sinkhole


 Slide or Slip


 Sodic Spot


 Spoil Area

 Stony Spot


 Very Stony Spot

 Wet Spot


 Other

 Special Line Features

**Water Features**

 Streams and Canals


**Transportation**

 Rails


 Interstate Highways

 US Routes

 Major Roads

 Local Roads

**Background**

 Aerial Photography

### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

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

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

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

Source of Map: Natural Resources Conservation Service  
 Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>  
 Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Pulaski County, Arkansas  
 Survey Area Data: Version 10, Dec 23, 2013

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

Date(s) aerial images were photographed: Sep 21, 2013—Oct 7, 2013

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

## Map Unit Legend

Pulaski County, Arkansas (AR119)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
RuA	Rilla-Urban land complex, 0 to 1 percent slopes	3.0	100.0%
<b>Totals for Area of Interest</b>		<b>3.0</b>	<b>100.0%</b>

## Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

## Custom Soil Resource Report

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

## Pulaski County, Arkansas

### RuA—Rilla-Urban land complex, 0 to 1 percent slopes

#### Map Unit Setting

*Elevation:* 50 to 100 feet

*Mean annual precipitation:* 43 to 58 inches

*Mean annual air temperature:* 50 to 72 degrees F

*Frost-free period:* 200 to 260 days

#### Map Unit Composition

*Rilla and similar soils:* 50 percent

*Urban land:* 40 percent

*Minor components:* 10 percent

#### Description of Rilla

##### Setting

*Landform:* Natural levees

*Down-slope shape:* Convex

*Across-slope shape:* Convex

*Parent material:* Loamy alluvium

##### Typical profile

*Ap - 0 to 7 inches:* moderately acid, silt loam

*Bt - 7 to 33 inches:* moderately acid, silt loam

*BC - 33 to 54 inches:* moderately acid, silt loam

*C - 54 to 72 inches:* moderately acid, silt loam

##### Properties and qualities

*Slope:* 0 to 1 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high  
(0.57 to 1.98 in/hr)

*Depth to water table:* About 48 to 72 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum in profile:* 5 percent

*Available water storage in profile:* Very high (about 12.6 inches)

##### Interpretive groups

*Farmland classification:* Not prime farmland

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 1

*Hydrologic Soil Group:* B

#### Minor Components

##### Aquents

*Percent of map unit:* 10 percent

*Landform:* Depressions

*Down-slope shape:* Concave

*Across-slope shape:* Convex

## Custom Soil Resource Report

# References

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# ATTACHMENT F

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**Inspection Forms**

# ARR150000 Inspection Form – Stormwater Pollution Prevention Plan

Inspector Name: \_\_\_\_\_

Date of Inspection: \_\_\_\_\_

Inspector Title: \_\_\_\_\_

Date of Rainfall: \_\_\_\_\_

Duration of Rainfall: \_\_\_\_\_

Days Since Last Rain Event: \_\_\_\_\_ days

Rainfall Since Last Rain Event: \_\_\_\_\_ inches

Description of any Discharges During Inspection: \_\_\_\_\_

Location of Discharges of Sediment/Other Pollutant (specify pollutant & location): \_\_\_\_\_

Locations in Need of Additional BMPs: \_\_\_\_\_

## Information on Location of Construction Activities

Location	Activity Begin Date	Activity Occuring Now (y/n)?	Activity Ceased Date	Stabilization Initiated Date	Stabilization Complete Date

## Information on BMPs in Need of Maintenance

Location	In Working Order?	Maintenance Scheduled Date	Maintenance Completed Date	Maintenance to be Performed By

Changes required to the SWPPP: \_\_\_\_\_

Reasons for changes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

SWPPP changes completed (date): \_\_\_\_\_

"I certify under penalty of law that this document and all attachments such as Inspection Form were prepared under my direction or supervision in accordance with a system designed to ensure 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."

Signature of Responsible or Cognizant Official: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_

# ATTACHMENT G

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**Corrective Action Log**

**Dassault-Falcon New UPH Shop**

**SWPPP Corrective Action Log Week of \_\_\_\_\_**

<b>Log Entry Date</b>	<b>Deficiency Date</b>	<b>BMP Deficiency/Action Taken</b>	<b>Corrected By/Date:</b>

**Dassault-Falcon Cabinet Shop Addition**

**SWPPP Corrective Action Log Week of \_\_\_\_\_**

<b>Log Entry Date</b>	<b>Deficiency Date</b>	<b>BMP Deficiency/Action Taken</b>	<b>Corrected By/Date:</b>





PUMP STATION

East Little Rock

DFJ

Google earth

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