

ADEQ

ARKANSAS
Department of Environmental Quality

January 3, 2013

James McGaha, Superintendent
Clinton Public Schools
683 Poplar Street
Clinton, AR 72031

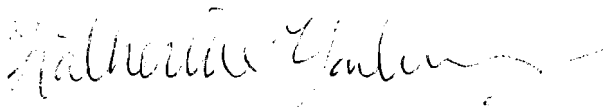
RE: Automatic Coverage, Clinton K-3 School, Clinton, AR (Permit Number **ARR150000**)

Dear Mr. McGaha:

The Department is in receipt of a permit fee, Stormwater Pollution Prevention Plan (SWPPP), and Notice of Intent (NOI) for coverage under the Stormwater Runoff Construction General Permit (ARR150000). Based upon the NOI, the project is only going to disturb 2.8 acres. The project is considered an Automatically Covered Site. Therefore, coverage under the general storm water runoff permit (ARR150000) was effective immediately. As outlined in Part I.B.6.A, of the general permit, an NOI and permit fee are not required for small construction site permit coverage. Therefore, the NOI is being returned. The permit fee will be returned by our fiscal division.

Also enclosed for your convenience is a blank posting for a site with Automatic Coverage. This should be completed and posted at the entrance to the construction site. The SWPPP should be maintained on-site, along with the completed inspection forms.

Sincerely,



Katherine Yarberry, PE
Engineer, General Permits Branch
Water Division

Enclosures: Application received 12/20/2012
Automatic Coverage NOC

Cc: Electronic Files (ARR150000 w/ attachments)

Bart Mink, PE
Crafton Tull
PO Box 10189
Russellville, AR 72812-0189

SITE WITH AUTOMATIC COVERAGE (LESS THAN 5 ACRES) CONSTRUCTION SITE NOTICE

FOR THE
Arkansas Department of Environmental Quality (ADEQ)
Storm Water Program
NPDES GENERAL PERMIT NO. ARR150000

The following information is posted in compliance with **Part I.B.8.b** of the ADEQ General Permit Number **ARR150000** for discharges of stormwater runoff from sites with automatic coverage. Additional information regarding the ADEQ stormwater program may be found on the internet at:

www.adeg.state.ar.us/water/branch_npdes/stormwater

Permit Number	ARR150000
Contact Name: Phone Number:	_____ _____
Project Description (Name, Location, etc.): Start Date: End Date: Total Acres:	_____ _____ _____ _____
Location of Stormwater Pollution Prevention Plan:	_____

For Construction Sites Authorized under **Part I.B.6.b** (Automatic Coverage) the following certification must be completed:

I _____ (Typed or Printed Name of Person Completing this Certification) certify under penalty of law that I have read and understand the eligibility requirements for claiming an authorization under Part I.B.2. of the ADEQ General Permit Number ARR150000. A stormwater pollution prevention plan has been developed and implemented according to the requirements contained in Part II.A.2.B & D of the permit. I am aware there are significant penalties for providing false information or for conducted unauthorized discharges, including the possibility of fine and imprisonment for knowing violations.

Signature and Title

Date

ADEQ

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Department of Environmental Quality

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683 Poplar Street
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Signature and Title

Date

Arkansas Department of Environmental Quality
Permits Branch, Water Division
5301 Northshore Drive
North Little Rock, AR 72118
(501) 682-0623

ck # 081152

C 13143B ✓
BAM 25357

NOTICE OF INTENT
FOR DISCHARGERS OF STORMWATER RUNOFF
ASSOCIATED WITH LARGE CONSTRUCTION ACTIVITY
AUTHORIZED UNDER NPDES GENERAL PERMIT ARR150000 AFIN 711-

Application Type: New Renewal (Permit Tracking Number ARR 4007)

I. PERMITTEE/OPERATOR INFORMATION

Permittee (Legal Name): Clinton School District Operator Type:
Permittee Mailing Address: 683 Poplar Street STATE PARTNERSHIP
Permittee City: Clinton FEDERAL CORPORATION*
Permittee State: AR Zip: 72031 SOLE PROPRIETORSHIP
Permittee Telephone Number: (501) 745-6005 PUBLIC OTHER
Permittee Fax Number (501) 745-2475
Permittee E-mail Address mcgahaj@clinton.k12.ar.us *State of Incorporation: _____

* The legal name of the Permittee must be identical to the name listed with the Arkansas Secretary of State.

II. INVOICE MAILING INFORMATION

Invoice Contact Person: James McGaha City: Clinton
Invoice Mailing Company: Clinton School District State: AR Zip: 72031
Invoice Mailing Address: 683 Poplar Street Telephone: (501) 745-6005

III. FACILITY/PROJECT CONSTRUCTION SITE INFORMATION

1 acre = 43,560 square feet

Project Name: Clinton K-3 School Contact Person: James McGaha
Project County: Van Buren Project Physical Address: 299 Walker Street
Directions to the Project: Hwy 65 N to Clinton, left Project City: Clinton, AR Zip: 72031
on Patton St. left on Yellowjacket Ln, school on right Telephone Number: (501) 745-6043
Project Estimated Start Date: January 2013 Total amount of soil to be disturbed
(estimate to nearest 1/2 acre): 2.8
Project Estimated End Date: June 2014 Total Project Acreage
(Estimate to nearest 1/2 acre): 9.1

Project Latitude: 35 degrees 34 minutes 57.40 seconds
Project Longitude: 92 degrees 27 minutes 34.79 seconds

Type of Project: Subdivision School Other:

Is the Project part of a larger common plan of development or sale? Yes No

Linear Project Starting Coordinates (if applicable): Linear Project Ending Coordinates (if applicable):

Latitude: _____° _____' _____" Longitude: _____° _____' _____" Latitude: _____° _____' _____" Longitude: _____° _____' _____"

**Arkansas Department of Environmental Quality
Permits Branch, Water Division
5301 Northshore Drive
North Little Rock, AR 72118
(501) 682-0623**

IV. DISCHARGE INFORMATION

Name of Receiving Stream (i.e. an unnamed tributary of Mill Creek, thence into Mill Creek; thence into Arkansas River):
The project drains to the South Fork of the Little Red River; thence to Greers Ferry Lake; thence to the Little Red River;
thence to the White River

Choose Your Ultimate Receiving Stream: Red River Ouachita River Arkansas River
White River St. Francis River Mississippi River

Name of Receiving Municipal Storm Sewer System (If applicable): N/A

Is the stormwater discharge from the construction site likely to adversely affect a listed endangered or threatened species or its critical habitat? Yes No

V. FACILITY/SITE PERMIT INFORMATION

NPDES Individual Permit Number (If Applicable): AR00

NPDES General Permit Number (If Applicable): ARG

NPDES General Industrial Stormwater Permit Number (If Applicable): ARR00

NPDES General Construction Stormwater Permit Number (If Applicable): ARR15

VI. OTHER INFORMATION:

Location of SWPPP on the Construction Site: In SWPPP box at field project office
Consultant Company: Crafton Tull
Consultant Contact Name: Bart J. Mink, P.E., LEED AP
Consultant Email Address: bart.mink@craftontull.com
Consultant Address: P.O. Box 10189 City: Russellville State: AR Zip: 72812
Consultant Phone Number: 479-968-1885 Consultant Fax Number: 479-968-2981

Arkansas Department of Environmental Quality
Permits Branch, Water Division
5301 Northshore Drive
North Little Rock, AR 72118
(501) 682-0623

VII. CERTIFICATION OF OPERATOR

- (Initial) "I certify that, if this facility is a corporation, it is registered with the Secretary of State of Arkansas. Please provide the full name of corporation if different than that listed in Section I above."
- (Initial) "I certify that as a whole the stormwater discharge(s), and the construction and implementation of Best Management Practices (BMP's) to control stormwater runoff, are not likely to adversely affect species of critical habitat for a listed species."
- (Initial) "I certify that a stormwater pollution prevention plan has been prepared for this facility in accordance with Part II.A of this permit, which provides for, or will provide for, compliance with local sediment and erosion plans, local stormwater permits or stormwater management plans, in accordance with Part II.A.4.c of this permit."
- (Initial) "I certify that the cognizant official designated in Part VIII of this Notice of Intent is qualified to act as a duly authorized representative under the provisions of 40 CFR 122.22(b). If no cognizant official has been designated, I understand that the Department will accept reports signed by the applicant"

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information 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."

Responsible Official Printed Name: James McGaha Title: Clinton School Superintendent
Responsible Official Signature: James H. McGaha Date: 8-6-17

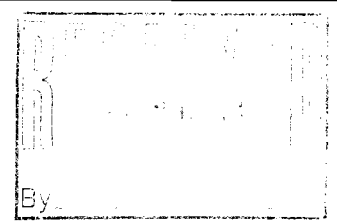
VIII. COGNIZANT OFFICIAL

Cognizant Official Printed Name: James McGaha Title: Clinton School Superintendent
Cognizant Official Signature: James H. McGaha Telephone: (501) 745-6005

IX. PERMIT REQUIREMENT VERIFICATION

Please check the following to verify completion of permit requirements.

- | | Yes | No* |
|-----------------------------------|-------------------------------------|--------------------------|
| Submittal of Complete NOI? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Submittal of Required Permit Fee? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Check Number: <u>081152</u> | | |
| Complete SWPPP? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |



* If you answer No to any of the above questions, then a permit can not be issued!



December 17, 2012

Arkansas Department of Environmental Quality
Water Division
5301 Northshore Drive
North Little Rock, Arkansas 72118

RE: Clinton Intermediate/Elementary School Addition
CTA Job No. 107002-06

To whom it may concern:

Attached to this transmittal letter is a copy of the Storm Water Pollution Protection Plan (SWPPP) including the Notice of Intent (NOI) for the project and the \$200 review/permit fee. Please review the SWPPP and provide any comments.

Should you have any questions, or require any additional information, please contact us at your convenience.

Respectfully,

A handwritten signature in black ink that reads "Bart J. Mink".

Bart J. Mink, P.E., LEED® AP
Project Manager

Enclosure(s)

cc: Clinton Public Schools – Mr. James McGaha

Stormwater Pollution Prevention Plan (SWPPP) for Construction Activity

National Pollutant Discharge Elimination System (NPDES)

General Permit # ARR150000

Prepared for:

Clinton School District

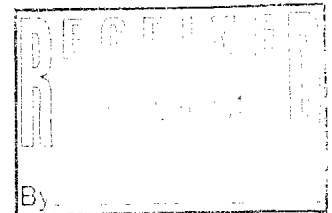
Clinton, Van Buren County, Arkansas

CTA Job # 10700200

Date:

June 18, 2012

Revised: December 14, 2012



Prepared by:

Crafton, Tull, & Associates, Inc.

65 Bradley Cove Road

P.O. Box 10189, Russellville, AR 72812

Table of Contents

Storm Water Pollution Prevention Plan

Attachments

A - Site Maps

B - SWPPP Inspection and Maintenance Report Form

Appendices

Quad Maps

Soils Maps

Fish and Wildlife Service Comments (To Be Inserted When Received)

Permit Transfer Form

Notice of Termination

Project Name and Location: Clinton K-3 School; Clinton, Van Buren County, Arkansas

Operator Name and Address: Clinton School District; 683 Poplar Street, Clinton, AR 72031

A. Site Description

a. Project description, intended use after NOI is filed: The project consist of the addition of an approximate 61,267 SF, 2-Story, K-3 building and related parking and utility upgrades. The intended use of this project will be a K-3 School.

b. Sequence of major activities which disturb soils:

Phase I

1. Host erosion control training for contractors prior to commencement of work.

2. Install stabilized construction entrance(s).

3. Prepare material storage yard and temporary parking. Upon implementation and installation of the following areas: trailer, parking, lay down, porta-potty, fuel and material storage containers, solid waste containers, etc., denote them on the site maps immediately and note any changes in the locations as they occur throughout the construction process.

4. Construct the silt fences on the site.

5. Construct the sedimentation and sediment trap basin(s) (if needed/required).

6. Install rock check dam(s) in ditches (if needed/required).

7. Clear and grub the site.

8. Start construction of building pad(s) and/or structure(s).

9. Begin grading the site.

Phase II

1. Temporarily seed dunuded areas.

2. Install utilities, underdrains, storm sewers, curbs and gutters.

3. Install rip rap around outlet structures.

4. Install inlet protection around all storm sewer structures.

5. Prepare site for paving.

6. Pave site.

7. Install inlet protection devices.

8. Complete grading and install permanent sedding and planting.

9. Remove all temporary erosion and sediment control devices (only if site is stabilized).

c. Total Area: ~9.1 Acres Disturbed Area: ~2.8 Acres

d. Soils Information:

i. Runoff Coefficient Pre-Construction (See Appendix A): 0.63

ii. Runoff Coefficient Post-Construction (See Appendix A): 0.65

- iii. Describe the soil or the quality of any discharge from the site: The project soils can be reviewed in the attached Soils Maps.

B. Responsible Parties

Individual/Company	Service Provided for SWPPP (i.e., Inspector, SWPPP revisions, Stabilization Activities, BMP Maintenance, etc.)
James McGaha, School District Superintendent	
School District Superintendent	

C. Receiving Waters

- a. The following waterbody (or waterbodies) receives stormwater from this construction site: The project drains to the South Fork of the Little Red River; thence to Greers Ferry Lake; thence to the Little Red River; thence to the White River
- b. Is the project located within the jurisdiction of an MS4? Yes No
 - i. If yes, Name of MS4:
- c. Ultimate Receiving Water:

<input type="checkbox"/> Red River	<input checked="" type="checkbox"/> White River
<input type="checkbox"/> Ouachita River	<input type="checkbox"/> St. Francis River
<input 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.adeq.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: White River
 - ii. Pollutant addressed on 303(d) list or TMDL: Chlorides, Sulfates, Total Dissolved Solids
 - 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: Siltation and turbidity are the only pollutants that are related to construction. If current Best Management Practices (BMPs) are not adequate so that runoff could increase TDS, then additional BMPs are to be added by Contractor.

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. XYes No

F. Site Map Requirements (Attach Site Map):

- 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: All contractors and subcontractors involved with storm water pollution prevention shall obtain a copy of the storm water pollution prevention plan and the State of Arkansas National Pollutant Discharge Elimination System General Permit (NPDES General Permit ARR150000) and become familiar with their contents. General contractor shall denote on plan the temporary parking and storage area which shall also be used as the equipment maintenance and cleaning area, employee parking area, and area for locating portable facilities, office trailers, and toilet facilities. 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. Erosion and sediment controls shall be installed along initial disturbed areas prior to construction activities.
- ii. Erosion and Sediment Controls: The construction-phase erosion (such as site stabilization) and sediment controls (such as silt fences & check dams) shall be constructed to retain sediment on-site. All sediment and erosion controls shall be shown on the Erosion Control Plans. Specifically, silt fence, rock check dams, and rip rap at outlets will be used to retain sediment on site.
- 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: XYes No
If No, explain:
- iv. Off-site accumulations of sediment will be removed at a frequency sufficient to minimize off-site impacts: XYes No
If No, explain:
- v. Sediment will be removed from sediment traps or sedimentation ponds when design capacity has been reduced by 50%: XYes 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: XYes 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: Temporary Seeding or Stabilization – Disturbed portions of the site where construction activity has stopped for at least 14 days, shall be temporarily seeded. These areas shall be seeded no later than 14 days from the last construction activity occurring in these areas. Areas may be stabilized temporarily with the use of fast-germinating annual grass/grain varieties, straw/hay mulch, wood cellulose fibers, tackifiers, netting or blankets. Permanent Seeding or Sodding – All areas at final grade must be seeded or sodded within 14 days after completion of work in any area. The entire site must have permanent vegetative cover established in all areas not covered by hardscape at the completion of all soil disturbing activities on site. Except for small level spots, seeded areas should generally be protected with mulch or a rolled erosion control product. All areas to be seeded will have topsoil and other soil amendments.

- 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: Existing grassy and wooded areas exist between the project site and the South Fork of the Little Red River. These will not be disturbed.

- 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.

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.

Where the initiation of stabilization measures by the fourteenth (14th) day after construction activity temporarily or permanently

ceases is precluded by snow cover, stabilization measures shall be initiated as soon as practicable.

Where construction activity will resume on a portion of the site within fourteen (14) days from when activities ceased (e.g. the total time period that construction activity is temporarily ceased is less than fourteen (14) days), then stabilization measures do not have to be initiated on that portion of the site by the fourteenth (14th) day after construction activity temporarily ceased.

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: Descriptions 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 are outlined below. 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:

a.) Silt Fence (Installed and Maintained) – Silt fence is a synthetic permeable woven or non-woven geotextile fabric incorporating metal support stakes at intervals sufficient to support the fence (per construction details), water, and sediment retained by the fence. Silt fence must be installed with a wire fence backing for additional support. The fence is designed to retain sediment-laden storm water and allow settlement of suspended soils before the storm water flows through the fabric and discharges off-site. Silt fence shall be located on the contour to capture overland, low-velocity sheet flows. Install silt fence at a fairly level grade along the contour with the ends curved uphill to provide sufficient upstream storage volume for the anticipated runoff. Drainage areas shall not exceed ½ acre per 100 feet of wire-reinforced silt fence for slopes less than 2 percent. Non wire-backed silt fence may be used only in drainage areas that shall not exceed ¼ acre per 100 linear feet of fence placed on the contour where slopes are less than 2 percent or ½ acre of drainage where slopes are less than 1 percent. A separate detail is available for this application.

b.) Drainage Swales/Earthen Dikes – Drainage Swales (Diversion ditches) and Earthen Dikes (Berms) are constructed at locations within the construction site to intercept overland flow and direct or divert flow to a sediment basin or other point where discharge can be controlled. Ditches are excavated in the surface soils with the spoils from the excavation

typically placed along the downstream edge of the ditch to provide additional capacity. Berms are built up on the surface soils and compacted to create a stable diversion

c.) Check Dams – Defined channels subject to concentrated flows in larger quantities and higher velocities may be protected with rock or other manufactured device that can be used as a check dam. The dams impound sediment-laden water and allow for settlement of suspended soil before the storm water flows over and through the device. Dams shall be placed along the water course at linear intervals in which the elevation of the bottom of the upper most check dam is at the same elevation as the top of the check dam immediately below it. This will allow the most ponding capacity and will not increase the velocity of the water flowing along the channel. Locations and spacing of the check dams is shown on the Site Maps. Check dams are composed of crushed stone or rip rap or of other manufactured device. See the detail sheet within the Construction Drawings for the types of dams to be used on this site.

d.) Subsurface Drains - Subsurface drains (French Drains) are conduits, such as corrugated plastic tubing, tile, or pipe, installed beneath the ground surface to collect and/or convey drainage water. They are used to improve the soil environment for vegetative growth, reduce erosion, and improve water quality by regulating water table and ground water flows, intercepting and preventing water movement into a wet area, relieving artesian pressures, removing surface runoff, and serving as an outlet for other subsurface drains. Subsurface Drains shall be installed where need to control groundwater and erosion per French Drain Manufacturer's Specifications.

e.) Pipe Slope Drains - Pipe Slope Drains are flexible pipes that direct flow from an upslope dike or berm, past a disturbed slope. The runoff that flows in the pipe can either be off site "clean" runoff or sediment-laden flow from an active construction area. Piping flow past the unstabilized slope eliminates the potential for erosion. These can be used in conjunction with Drainage Swales/Earthen Berms above. Pipe Slope Drains shall be sized accordingly with the city/county standard's minimum return period storm.

f.) Storm Drain Inlet Protection – Curb and grated inlets are protected from the intrusion of sediment through a variety of measures as shown on the details included in the Construction drawings. The primary mechanism is to place controls in the path of flow sufficient to slow the sediment-laden water to allow settlement of suspended soils before discharging into the storm sewer. It is possible that as construction

progresses from storm sewer installation through to paving that the inlet protection devices should change. All inlet protection devices create ponding of storm water. This should be taken into consideration when deciding on which device or devices should be used.

g.) Rock Outlet Protection - Rock Outlet Protection is a pad or apron of heavy rock placed at the outlet end of culverts or chutes. Rock Outlet Protection is installed where the energy at the outlets of culverts or chutes are sufficient to erode the receiving channel or area. The civil engineer should be contacted for design if this erosion control is implemented on site.

h.) Sediment Traps – Temporary sediment traps are depressions constructed down slope of construction activity and located such that storm water runoff from upland areas of less than 5 acres are diverted through the trap. Sediment traps shall be constructed as indicated by the SWPPP and shall be constructed as part of the initial BMPs whenever practical. An overflow weir is incorporated at the outlet to discharge flow from the trap. Sediment traps shall be phased with the earthwork activity where practical.

i.) Reinforced Soil Retaining Systems - Reinforced Soil Retaining Systems are natural or synthetic geotextiles, mats, or erosion control blankets to stabilize disturbed soil areas and protect soils from erosion by wind or water. These can be permanent, temporary or biodegradable control measures. These BMPs have maximum flow rate limitations; consult the manufacturer for proper selection, and installation. Selection of the appropriate type shall be based on the specific type of application and site conditions.

j.) Gabions - Gabions are wire cages, cylinders, or boxes filled with stone or rip rap that are used to filter silt from runoff or for small or temporary/permanent dams, river training, or channel lining. They may also be used to direct the force of a flow of water around a vulnerable structure. Gabions shall be constructed with welded wire fabric and be filled with stones or rip-rap no smaller than the size of the wire openings.

k.) Temporary or Permanent Sediment Basins - See Below.

l.) Construction Exit – All access points from the public street into the construction site shall include a construction exit composed of course stone to the dimensions shown on the Construction Drawings detail sheet. The rough texture of the stone helps to remove clumps of soil adhering to the construction vehicle tires through the action of vibration and jarring over the rough surface and the friction of the stone matrix against soils attached to vehicle tires. In addition to the stone at the construction exit, it

may be necessary to install devices such as pipes (cattle guard) to increase the vibration and jarring. It may also be necessary to install a wheel wash system. If this is done, a sediment trap control must be installed to treat the wash water before it discharges from the site. 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.

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.

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:

iii. Describe 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

- a. No solid materials, including building materials, shall be 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:

- c. Temporary Sanitary Facilities: All personnel involved with construction activities must comply with state and local sanitary or septic system regulations. Temporary sanitary facilities will be provided at the site throughout the construction phase. They must be utilized by all construction personnel and will be serviced by a commercial operator. The location of sanitary facilities shall be shown on the Site Maps.

- 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

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: Fire Hydrant flushings, waterline flushings, springs, excavation dewatering and groundwater shall be accomplished into roadway ditches that have been previously stabilized and have BMPs such as rock check dams installed to minimize turbidity and siltation. Any vehicle wash downs will be accomplished at the material storage yards which will have BMPs such as silt fences installed to contain any silt. Landscape

Irrigation excess water will flow across vegetated buffer strips or lawns prior to entering streams, creeks, or ditches. Foundation or footing drains will flow across vegetated buffer strips or lawns prior to entering streams, creeks or ditches. For drains that are pipe directly to streams, creeks, or ditches, BMPs such as rock check dams shall be installed to minimize turbidity and siltation. Air conditioning and compressor condensate can drip off of vehicles across the entire project site and BMPs cannot be designed for this discharge.

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: 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.

Non-hardscaped areas will be vegetated with permanent seeding or sodding and vegetation will be established per SWPPP requirements. On site swales and ditches will contain check dams to decrease runoff velocity and prevent erosion to the ditches. Vegetation buffers will be employed. And, outlets will be equipped with rip rap on filter fabric or a similar material to further slow water leaving the site.

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

XAt 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.

XADEQ's inspection form will be used (See Appendix B)

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: Seeding will be regularly watered to ensure the survival of ground cover. Sediment will be removed from silt fences and check dams when they are 50% infilled. Other maintenance issues could be realized during the construction process and will be handled at that time.

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.

N. Employee Training:

The following is a description of the training plan for personnel (including contractors and subcontractors) on this project:

The contractor will be required to have a knowledgeable and qualified trainer come in periodically to train personnel who are responsible for implementing activities identified in the SWPPP on the components and goals of the SWPPP. Times when employee training should be performed include, but are not limited to: prior to any site work; the arrival of a new subcontractor whose activities are included in the SWPPP.

Date of Training _____

Trainer _____

Present _____

Date of Training _____

Trainer _____

Present _____

Date of Training _____

Trainer _____

Present _____

This document shall serve as the record of training and shall be retained for 3 years (with the rest of the SWPPP documents) after the stabilization of the site and completion of the work. In the event that more than 3 training sessions are needed, a copy of this sheet shall be utilized.

****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: James H. McLober

Title: Superintendent

Date: 8-6-12

ATTACHMENTS

SEQUENCE OF CONSTRUCTION

PHASE I

1. HOST EROSION CONTROL TRAINING FOR CONTRACTORS PRIOR TO COMMENCEMENT OF WORK.
2. INSTALL STABILIZED CONSTRUCTION ENTRANCES.
3. PREPARE MATERIAL STORAGE YARD AND TEMPORARY PARKING. UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: TRAILER, PARKING, LAY DOWN, PORTA-POTTY, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC. DENOTE THEM ON THE SITE MAPS IMMEDIATELY AND NOTE ANY CHANGES IN THE LOCATIONS AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS.
4. CONSTRUCT THE SILT FENCES ON THE SITE.
5. CONSTRUCT THE SEDIMENTATION AND SEDIMENT TRAP BASIN(S) (IF NEEDED/REQUIRED).
6. INSTALL ROCK CHECK DAM(S) IN DITCHES (IF NEEDED/REQUIRED).
7. CLEAR AND GRUB THE SITE.
8. START CONSTRUCTION OF BUILDING PAD(S) AND/OR STRUCTURE(S).
9. BEGIN GRADING THE SITE.

PHASE II

1. TEMPORARILY SEED DUNDUE AREAS.
2. INSTALL UTILITIES, UNDERDRAINS, STORM SEWERS, CURBS AND GUTTERS.
3. INSTALL RIP RAP AROUND OUTLET STRUCTURES.
4. INSTALL INLET PROTECTION AROUND ALL STORM SEWER STRUCTURES.
5. PREPARE SITE FOR PAVING.
6. PAVE SITE.
7. INSTALL INLET PROTECTION DEVICES.
8. COMPLETE GRADING AND INSTALL PERMANENT SEEDING AND PLANTING.
9. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES (ONLY IF SITE IS STABILIZED).

M. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS STOPPED FOR AT LEAST 21 DAYS, SHALL BE TEMPORARILY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS.

N. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN.

O. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.

P. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

Q. CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.

R. ON-SITE & OFFSITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.

S. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.

T. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, STRAW BALES, ETC.) TO PREVENT EROSION.

U. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.

GENERAL EROSION NOTES

- A. THE STORMWATER POLLUTION PREVENTION PLAN IS COMPRISED OF THIS DRAWING ("SITE MAP"), THE STANDARD DETAILS, THE PLAN NARRATIVE, ATTACHMENTS INCLUDED IN SPECIFICATIONS SECTION 02370 ("SWPPP"), PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
- B. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF ARKANSAS NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
- C. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST OF OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- D. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
- E. SITE MAP MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
- F. CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
- G. GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
- H. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- I. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- J. DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- K. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
- L. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.

SOIL EROSION/SEDIMENTATION CONTROL OPERATION TIME SCHEDULE

NOTE: GENERAL CONTRACTOR TO COMPLETE TABLE WITH THEIR SPECIFIC PROJECT SCHEDULE

CONSTRUCTION SEQUENCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	
ROUGH GRADE / SEDIMENT CONTROL																			
TEMPORARY CONTROL MEASURES																			
STRIP & STOCKPILE TOPSOIL																			
STORM FACILITIES																			
TEMPORARY CONSTRUCTION ROADS																			
FOUNDATION / BUILDING CONSTRUCTION																			
SITE CONSTRUCTION																			
PERMANENT CONTROL STRUCTURES																			
FINISH GRADING																			
LANDSCAPING/SEED/FINAL STABILIZATION																			

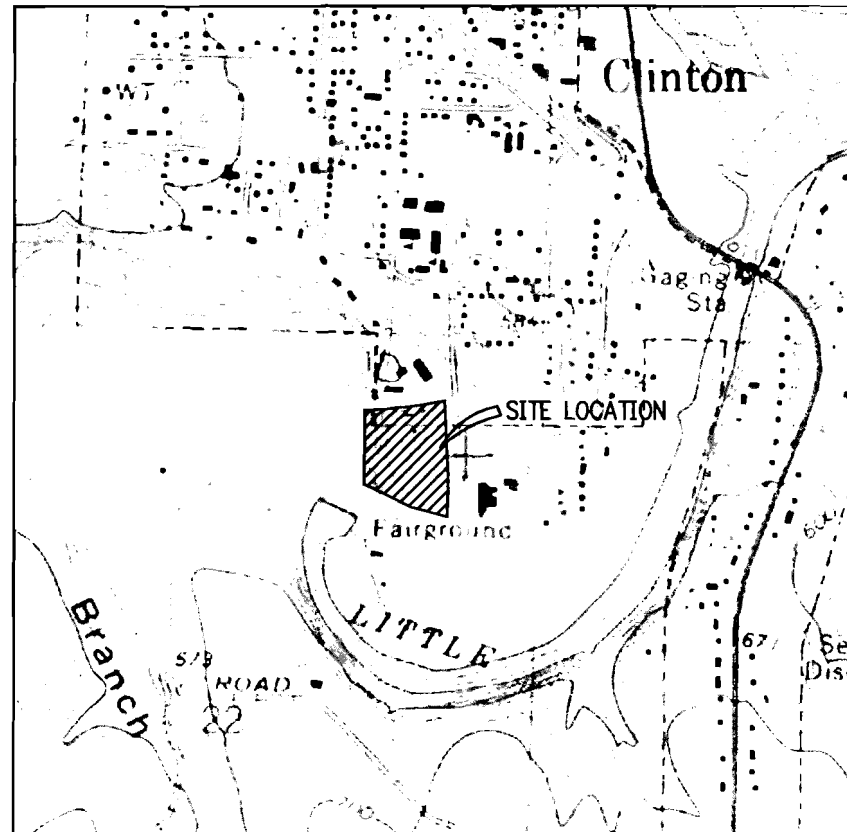
ACREAGE SUMMARY

IMPERVIOUS AREA	1.7 ACRES
SEEDED AREA	1.1 ACRES
TOTAL DISTURBED	2.8 ACRES

DEVELOPER/OWNER:
CLINTON SCHOOL DISTRICT

SITE OPERATOR/GENERAL CONTRACTOR:
VAN HORN CONSTRUCTION

SUPERINTENDENT:



USGS QUADRANGLE MAP
NTS



VICINITY MAP
NTS



CLINTON INTERMEDIATE/ ELEMENTARY SCHOOL ADDITION

CLINTON, AR

Rev. No.

No.	Description	Date

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PROJECT NO: 10709028
 ISSUE DATE: 12/14/17
 CONTRACT: E. MENK
 DESIGNED BY:
 CONSTRUCTION DOCUMENTS
 FINAL REVIEW
 No. 12189

STATE OF ARKANSAS
 REGISTERED PROFESSIONAL ENGINEER
 No. 12189
2017 License

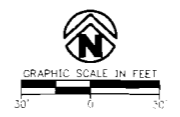
EROSION CONTROL NOTES

CLINTON SCHOOL DISTRICT

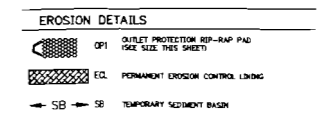
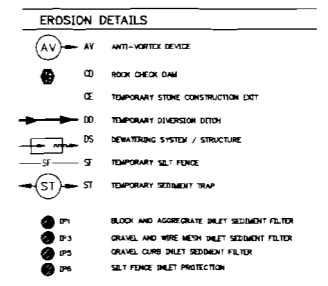
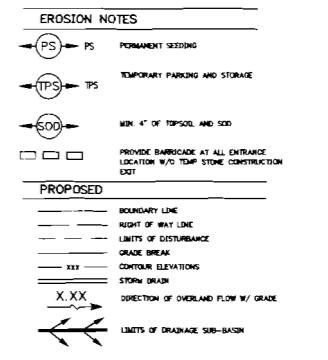


CLINTON INTERMEDIATE/ ELEMENTARY SCHOOL ADDITION

CLINTON, AR



- GRADING & DRAINAGE NOTES**
- 1 THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF EXISTING UTILITIES ON SITE OR IN RIGHT-OF-WAY. ALL UTILITIES MUST BE LOCATED PRIOR TO GRADING START.
 - 2 ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
 - 3 ALL CUT OR FILL SLOPES SHALL BE A MAX 3:1 SLOPE OR FLATTER UNLESS OTHERWISE NOTED.
 - 4 IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITION OR BETTER.
 - 5 ALL STORM SEWER PIPE CONNECTIONS TO STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT. ALL STORM SEWER STRUCTURES SHALL HAVE A SMOOTH UNDERFORM POURED MORTAR INVEST FROM INVERT IN TO INVEST OUT.
 - 6 ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC LOADS AND BE INSTALLED ACCORDINGLY WHEN IN PAVED AND TRAFFIC AREAS.
 - 7 ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH THE PAVEMENT AND SHALL HAVE TRAFFIC BEARING RINGS AND COVERS LIDS SHALL BE LABELED "STORM SEWER".
 - 8 SITE GRADING SHALL NOT PROCEED UNTIL APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED. THE CONTRACTOR SHALL ADHERE TO ALL TERMS AND CONDITIONS AS OUTLINED IN THE GENERAL PERMIT AND THE SWPPP FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
 - 9 ALL UNPAVED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL TO FINAL GRADE. REFER TO THE LANDSCAPE PLAN.
 - 10 TOPOGRAPHIC INFORMATION TAKEN FROM A TOPOGRAPHIC SURVEY BY LAND SURVEYORS. IF CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON PLANS, CONTACT ENGINEER IMMEDIATELY.
 - 11 THE CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS THROUGHOUT ALL PHASES OF CONSTRUCTION.
 - 12 CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULES, SLOPE PAVING, SIDEWALKS, EXIT PORCHES, TRUCK DOCKS, PRECISE BUILDING DIMENSIONS AND EXACT UTILITY ENTRANCE LOCATIONS.
 - 13 THE EARTHWORK FOR ALL BUILDING FOUNDATIONS AND SLABS SHALL BE IN ACCORDANCE WITH ARCHITECTURAL BUILDING PLANS AND SPECIFICATIONS.
 - 14 EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED, AND EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
 - 15 CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
 - 16 CONTRACTOR SHALL MAINTAIN ALL EXISTING PARKING, SIDEWALKS, DRIVES, ETC CLEAR AND FREE FROM ANY CONSTRUCTION ACTIVITY AND/OR MATERIAL TO ENSURE EASY AND SAFE PEDESTRIAN AND VEHICULAR TRAFFIC TO AND FROM THE SITE.
 - 17 IF WET AREAS ARE ENCOUNTERED ON-SITE THE CONTRACTOR SHALL COORDINATE WITH THE GEOTECHNICAL ENGINEER FOR THE DESIGN AND REPLACEMENT OF A FRENCH DRAIN SYSTEM.



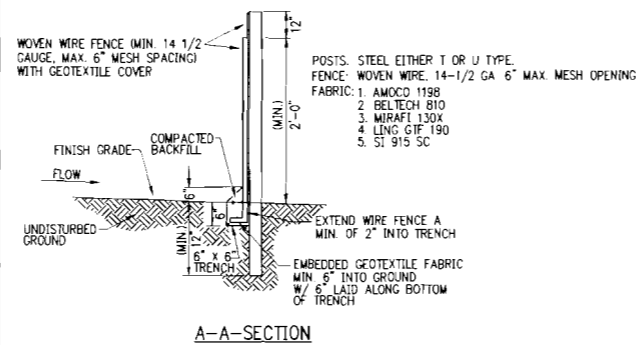
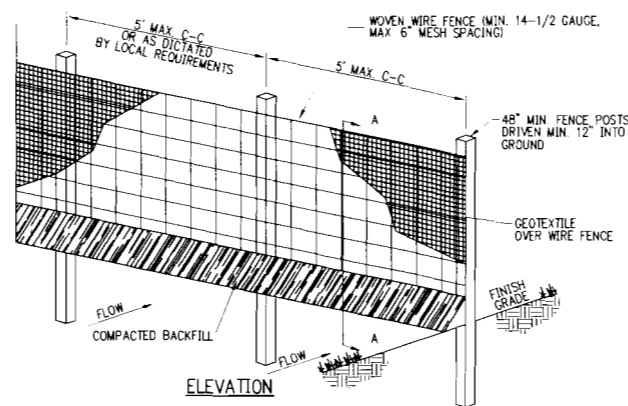
NOTE: SEE SITE PLAN FOR EXISTING LEGEND SYMBOLS

Date	Description	Done

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PROJECT NO. 10700006
 SHEET NO. 12/16/17
 CONTRACT: B.M.N.K.
 COLLEGE
REGISTERED PROFESSIONAL ENGINEER
 CONSTRUCTION DOCUMENTS
 FINAL REVIEW
 No. 12189
 2017 J. MUNS

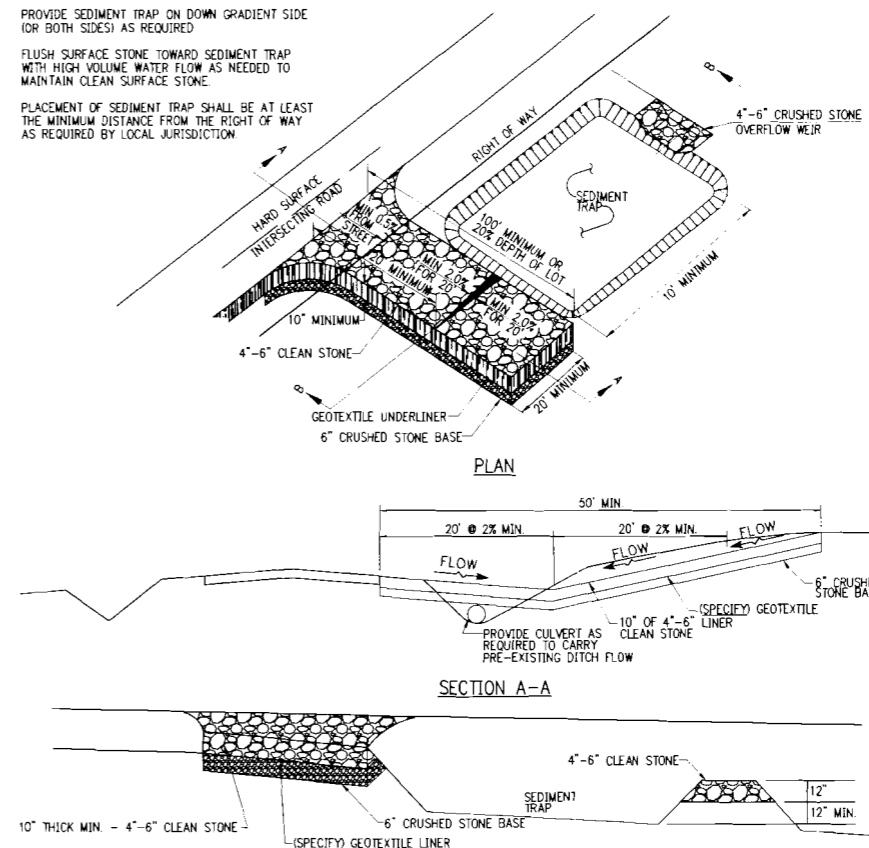
- NOTE:
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES.
 2. GEOTEXTILE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
 3. WHEN TWO SECTIONS OF GEOTEXTILE ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES, AND FOLDED.
 4. MAINTENANCE SHALL BE PERFORMED AS NOTED IN THE EROSION CONTROL PLAN. COLLECTED MATERIAL SHALL BE REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
 5. ALL SILT FENCE SHALL INCLUDE WIRE SUPPORT UNLESS INDICATED OTHERWISE.



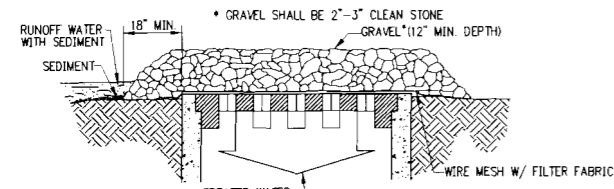
SEDIMENTATION/SILT FENCE WITH WIRE SUPPORT
NTS

PROVIDE SEDIMENT TRAP ON DOWN GRADIENT SIDE (OR BOTH SIDES) AS REQUIRED.
FLUSH SURFACE STONE TOWARD SEDIMENT TRAP WITH HIGH VOLUME WATER FLOW AS NEEDED TO MAINTAIN CLEAN SURFACE STONE.

PLACEMENT OF SEDIMENT TRAP SHALL BE AT LEAST THE MINIMUM DISTANCE FROM THE RIGHT OF WAY AS REQUIRED BY LOCAL JURISDICTION.

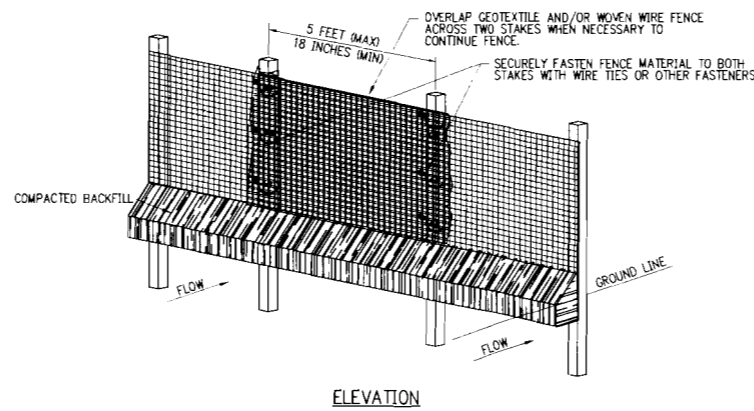


CONSTRUCTION EXIT
NTS



SPECIFIC APPLICATION
THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED BUT NOT WHERE PONDING AROUND THE STRUCTURE MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED ACRES.

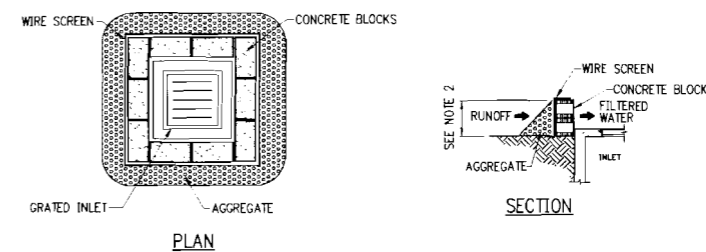
GRAVEL AND WIRE MESH INLET SEDIMENT FILTER
NTS



OVERLAP OF SEDIMENTATION/SILT FENCE
NTS

NOTE:

1. PLACE CONCRETE BLOCKS IN A SINGLE ROW AROUND PERIMETER OF INLET ON THEIR SIDES, WITH ENDS OF ADJACENT BLOCKS ABUTTING.
2. HEIGHT OF BARRIER VARIES. USE STACKS OF 4-INCH, 8-INCH, OR 12\"/>



BLOCK AND AGGREGATE INLET SEDIMENT DEVICE
NTS

CLINTON SCHOOL DISTRICT



CLINTON INTERMEDIATE/ELEMENTARY SCHOOL ADDITION

CLINTON, AR

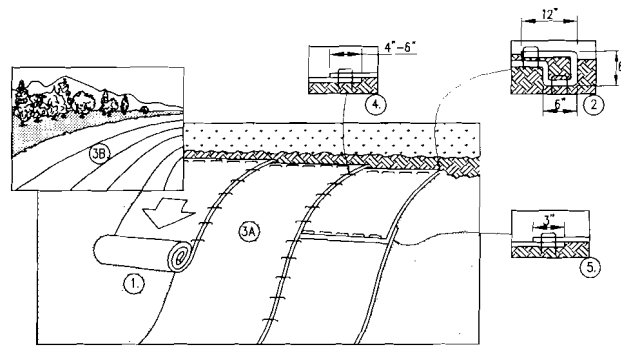
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PROJECT NO. 107800206
DATE: 12/14/12
DESIGNED BY: B. WINK
CHECKED BY:
CONSTRUCTION DOCUMENTS
FINAL REVIEW: No. 12189
DRAWN BY: J. WINK

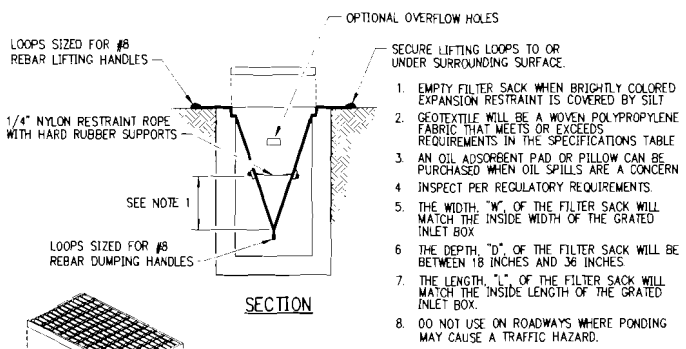


EROSION CONTROL DETAILS II

- NOTES:
1. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.
 2. FOLLOW EROSION CONTROL TECHNOLOGY COUNCIL SPECIFICATION FOR PRODUCT SELECTION.
 3. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
 4. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
 5. ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS PER MANUFACTURER'S RECOMMENDATION.
 6. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 4"-6" OVERLAP DEPENDING ON BLANKET TYPE TO ENSURE PROPER SEAM ALIGNMENT. PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
 7. CONSECUTIVE BLANKETS SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.
 8. PLACE STAPLES/STAKES PER MANUFACTURER RECOMMENDATION FOR THE APPROPRIATE SLOPE BEING APPLIED.



EROSION CONTROL BLANKET (SLOPE INSTALLATION)
NTS



LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE

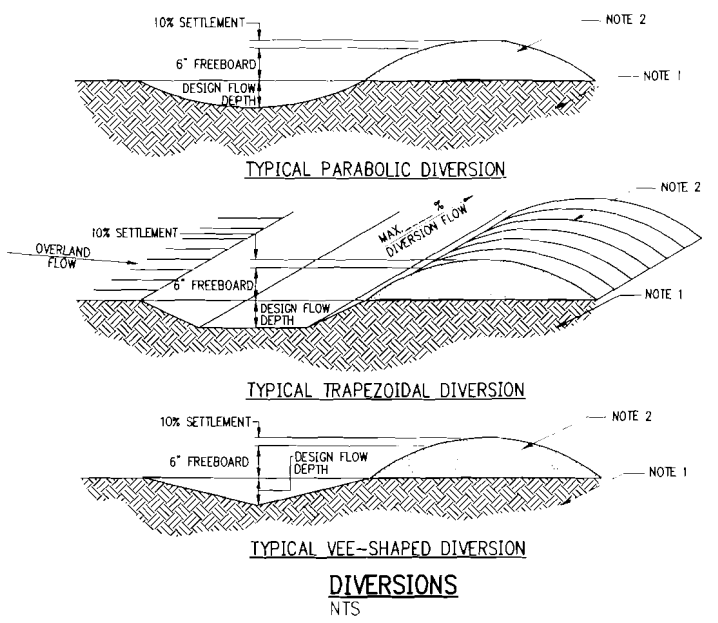
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20 %
PUNCTURE	ASTM D-4853	120 LBS
MULLEN BURST	ASTM D-3786	800 PSI
TRAPEZOID TEAR	ASTM D-4533	120 LBS
UV RESISTANCE	ASTM D-4355	80 %
APPARENT OPENING SIZE	ASTM D-4757	40 US SIEVE
FLOW RATE	ASTM D-4491	40 GAL/MIN/50 FT
PERMITTIVITY	ASTM D-4491	0.55 SEC -1

MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE

PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	265 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20 %
PUNCTURE	ASTM D-4853	135 LBS
MULLEN BURST	ASTM D-3786	420 PSI
TRAPEZOID TEAR	ASTM D-4533	45 LBS
UV RESISTANCE	ASTM D-4355	80 %
APPARENT OPENING SIZE	ASTM D-4751	20 US SIEVE
FLOW RATE	ASTM D-4491	200 GAL/MIN/50 FT
PERMITTIVITY	ASTM D-4491	1.5 SEC -1

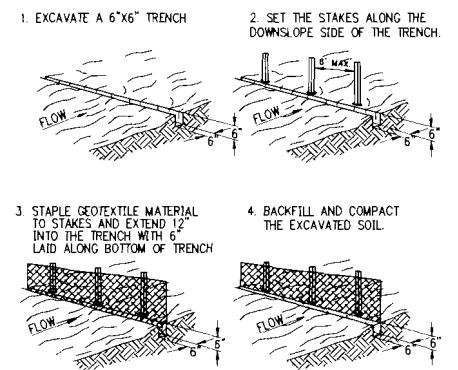
GRADED INLET FILTER SACKS
NTS

- NOTES:
1. REMOVE ANY EXISTING VEGETATION AND SCARIFY OR BENCH ADJACENT SOILS PRIOR TO PLACING BERM.
 2. BERM MATERIALS MUST BE ADEQUATELY COMPACTED AND STABILIZED.



DIVERSIONS
NTS

- NOTE:
1. SILT FENCE WITHOUT WIRE SUPPORT SHOULD BE USED ON A LIMITED BASIS ONLY ALONG PERIMETERS WITH LESS THAN 1/4 ACRE DRAINAGE AREA PER 100 LINEAR FEET OF FENCE.
 2. INSTALL IN ACCORDANCE WITH SILT FENCE DETAIL, EXCEPT AS NOTED ABOVE.



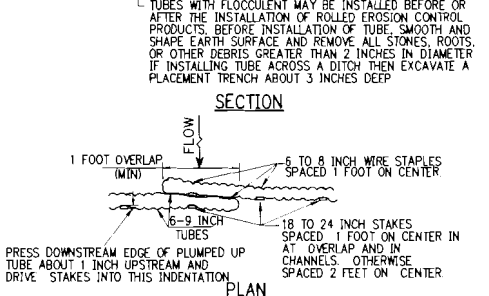
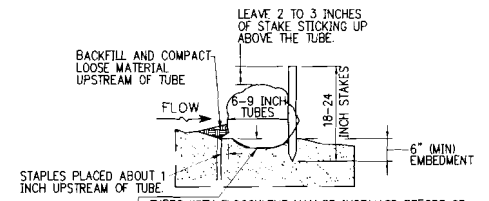
SHEET FLOW INSTALLATION
(PERSPECTIVE VIEW)

POST: 2"x2" HARDWOOD OR T TYPE POST

FABRIC:

1. AMOCO 2130
2. BELTECH 940
3. MIRAFI 1000X
4. LING GTF 190
5. ST 915 SC

SEDIMENTATION/SILT FENCE
WITHOUT WIRE SUPPORT
NTS



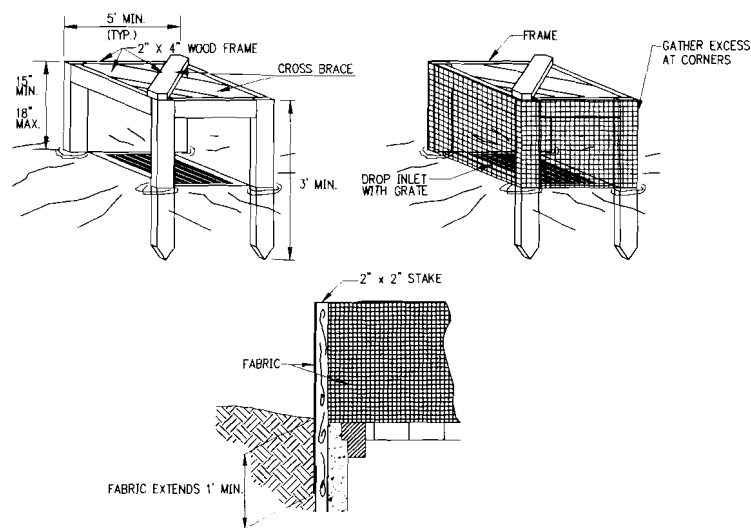
GENERAL GUIDELINES FOR SPACING OF TUBE TRENCHES FOR SLOPE INSTALLATIONS

SLOPE GRADIENT	TUBE INTERVAL
1H:1V	15 FEET
2H:1V	25 FEET
3H:1V	35 FEET
4H:1V	50 FEET

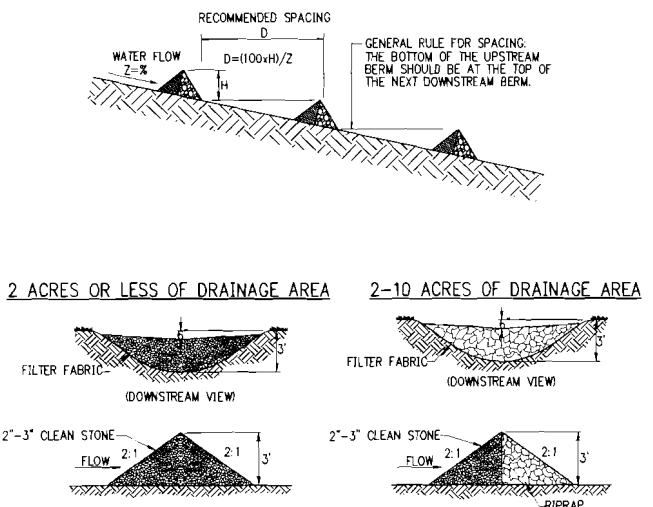
GENERAL GUIDELINES FOR SPACING OF TUBE TRENCHES FOR CHANNEL INSTALLATIONS

SLOPE	TUBE INTERVAL
2%	25 FEET

REPLACE TUBES WITH FLOCCULENT PER MANUFACTURER'S SPECIFICATIONS
FIBER FLOCCULENT TUBE
NTS



SILT FENCE INLET PROTECTION
NTS



ROCK CHECK DAM
NTS



ARR150000 Inspection Form

Appendix B

Inspector Name: _____

Date of Inspection: _____

Inspector Title: _____

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: _____

APPENDIX



GRAPHIC SCALE IN FEET



65 Bradley Cove Rd.
Russellville, Arkansas 72812

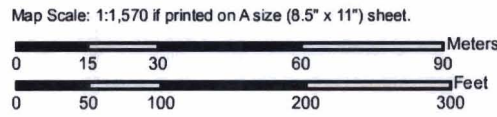


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479.968.1885 † 479.968.2981 f
www.craftontull.com

DRAWN: BWN	DATE: 06-21-12	CLINTON K-6 SCHOOL
CHECKED:	JOB NO: 107002-00	

Soil Map—Clebune and Van Buren Counties, Arkansas
(Clinton K-6 Soils Map)



Map Unit Legend

Cleburne and Van Buren Counties, Arkansas (AR640)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
4	Enders gravelly fine sandy loam, 3 to 8 percent slopes	4.6	43.9%
5	Enders gravelly fine sandy loam, 8 to 12 percent slopes	0.6	5.4%
29	Steprock-Linker complex, 3 to 8 percent slopes	5.3	50.4%
32	Steprock-Mountainburg-Rock outcrop complex, 40 to 60 percent slopes	0.0	0.2%
Totals for Area of Interest		10.4	100.0%

Post Office Box 10189
Russellville, Arkansas 72812-0189

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Conway
Little Rock
Oklahoma City
Rogers
Russellville
Tulsa

June 21, 2012

U.S. Fish and Wildlife Service
Arkansas Field Office
110 South Amity Road, Suite 300
Conway, AR 72032

RE: Clinton School District
Clinton K-3 School
CTA Job No. 107002-00

To Whom it May Concern:

Clinton School District is proposing to build an approximate 71,100 SF Kindergarten through Third Grade wing onto their existing intermediate school building located at 299 Walker Street, Clinton, AR. The project takes place in the City of Clinton, Van Buren County, Arkansas. The total project area is approximately 9.1 acres with approximately 5.2 acres to be disturbed. The project is approximately located at 35° 34' 57.4" W, 92° 27' 34.79" N. Please review the project, shown on the attached USGS quadrangle map, for any endangered and threatened species. Also, please see attached Endangered and Threatened Species Evaluation Form. Finally, please send correspondence to Crafton Tull, 65 Bradley Cove Rd, Russellville, AR 72802.

Should you have any questions, or require any additional information, please contact us at your convenience.

Respectfully,

Bart J. Mink, P.E., LEED® AP
Project Manager

Enclosure(s)

cc: Clinton School District, James McGaha, Superintendent



Endangered and Threatened Species Evaluation Form

Note: This form is not to be used for any Oil and/or Gas extraction or pipeline projects

The enclosed endangered and threatened species evaluation form may be used to obtain clearance, in most instances, from the U.S. Fish and Wildlife Service when applying for a NPDES or SWPPP permit from the Arkansas Department of Environmental Quality (ADEQ). Incomplete packages may delay evaluation of the proposed project and ultimately the issuance of your ADEQ permit.

Return the completed form and following information to:

U. S. Fish and Wildlife Service
Arkansas Field Office
110 South Amity Road, Suite 300
Conway, Arkansas 72032

Forms will not be accepted unless they include the following information:

1. A letter detailing the proposed project, a project name, the county in which the project occurs, the estimated disturbance area, geographic coordinates of the project location.
2. High quality detailed maps (preferably a USGS quadrangle map and aerial photo) that contain an outline/polygon of the proposed project area.
3. Contact information. Please include name, mailing address, e-mail and phone number.

If there is a question that you cannot answer on this evaluation form or a concurrence letter is required from the U.S. Fish and Wildlife Service, send the above information to the U.S. Fish and Wildlife Service's Arkansas Field Office, via Fax, mail, e-mail, or phone call. (Fax number (501) 513-4480, e-mail address FW4ESConway@fws.gov, phone number (501) 513-4470).

Include the completed form in your request for an ADEQ storm water or NPDES permit.

Endangered and threatened species consultation requests are processed in the order they are received. Response to endangered species consultation requests that require more detailed biologist evaluation may take as long as 30 days after they were received by this

office. If you have any questions or concerns please call (501) 513-4470.

U. S. Fish and Wildlife Service comments and recommendations are provided in accordance with the Endangered Species Act (87 Stat. 84, as amended: 16 U.S.C. 1531 et seq.), Migratory Bird Treaty Act of 1918 (16 U.S.C. 703-712), and Bald and Golden Eagle Protection Act (16 U.S.C. 668-668d).

INSTRUCTIONS

Evaluate individual project sites for federally listed threatened or endangered species using the step process presented below.

STEP 1

Does your project occur within 660 feet of a bald eagle nest?

- Yes See instructions below.
No **All other projects proceed to Step 2, unless your project occurs in the following counties then proceed to Step 9.**

- Cleveland
Greene
Lincoln
Lonoke
Nevada

Projects occurring within 660 feet of a bald eagle nest, including alternate nests, are likely to disturb nesting bald eagles (a potential violation of the Bald and Golden Eagle Protection Act). Proceed to the U. S. Fish and Wildlife Service website (<http://www.fws.gov/southeast/es/baldeagle>) to determine if the new or intermittent activity is likely to disturb nesting bald eagles and measures that you can take to avoid that disturbance. **Print three copies of the bald eagle signature (Determination) page and submit one with your ADEQ permit application package, submit one copy to the U.S. Fish and Wildlife Service at 110 South Amity Road Suite 300, Conway, AR, and keep one copy for your records.**

Once the above is completed, projects occurring in Cleveland, Greene, Lincoln, Lonoke, or Nevada counties proceed directly to Step 10, all others proceed to Step 2.

STEP 2

Does your project occur within one of the following counties AND contain pine stands 40 years or older?

Yes **See instructions below.**

No **Proceed to Step 3.**

- | | | | |
|----------|--------------------------|-----------|--------------------------|
| Ashley | <input type="checkbox"/> | Grant | <input type="checkbox"/> |
| Bradley | <input type="checkbox"/> | Lafayette | <input type="checkbox"/> |
| Calhoun | <input type="checkbox"/> | Monroe | <input type="checkbox"/> |
| Clark | <input type="checkbox"/> | Polk | <input type="checkbox"/> |
| Columbia | <input type="checkbox"/> | Scott | <input type="checkbox"/> |
| Dallas | <input type="checkbox"/> | Union | <input type="checkbox"/> |
| Drew | <input type="checkbox"/> | | |

If you answered “Yes” to Step 3, refer to the U. S. Fish and Wildlife Service Private Lands Guidelines (http://www.fws.gov/rcwrecovery/private_lands_guidelines.pdf) for potentially harmful activities that may harass and/or harm red-cockaded woodpeckers (a violation of the Endangered Species Act). **Checking “Yes” to Step 2 requires a concurrence letter from the U. S. Fish and Wildlife Service that should accompany your ADEQ permit application package and possibly a permit from the U. S. Fish and Wildlife Service (501-513-4481).** Any and all other endangered species issues will be evaluated when your information is submitted to the U.S. Fish and Wildlife Service. Please contact the Arkansas ES Field Office, as soon as possible, to start the evaluation for endangered species that may be affected by the project.

STEP 3

Does your project occur within the delineated karst conservation zone (see map below)?



- Yes See instructions below and then proceed to Step 4.
No Proceed to Step 4.

If you answered “Yes” to Step 3, contact the US Fish and Wildlife Service (Service) Arkansas Field Office (501-513-4470) in advance of permit application as a concurrence letter from the Service may be necessary as a part of your NPDES/SWPPP application package. It may also require a Service section 10 endangered species permit. While the Service is interested in the proposed project due to its location, many areas within the karst conservation zone only require the standard recommendations below. Early contact with this office allows time to develop site specific recommendations which streamlines the permit issuance process. Any and all other endangered species issues will be evaluated when your information is submitted to the U.S. Fish and Wildlife Service.

The karst region in Arkansas is as an area with a relatively shallow soil profile where climatic events or storm water runoff quickly infiltrates and is transported through

underground passages contributing to the groundwater basin. The karst region in Arkansas supports 6 endangered species including the Ozark cavefish (*Amblyopsis rosae*), the Benton cave crayfish (*Cambarus aculabrum*), the Hell creek crayfish (*Cambarus zophonastes*), the gray bat (*Myotis grisescens*), the Indiana bat (*Myotis sodalis*), the Ozark big-eared bat (*Corynorhinus townsendii ingens*), and 19 globally imperiled karst dependent species.

If your project occurs inside the delineated karst conservation zone (map above) the Service recommends, at a minimum, the following conservation measures.

- 1) Survey for karst features including caves, springs, and sinkholes prior to initiating project activities. If such a feature is found, establish a 300 foot conservation zone around its location and contact the Service for an onsite karst evaluation.
- 2) If caves are excavated during construction activities, the Service requests that work efforts cease within 300 feet of the opening. The opening should be adequately marked, fill material should not be placed in the cave, personnel shouldn't enter the cave, and the Service should be contacted immediately for an onsite evaluation.
- 3) While sediment mobilization is the primary concern during construction; storm water runoff following project completion may contain oil/grease, sealants, tar, brake dust, herbicides, pesticides, and additional sediment. To reduce threats to surface and groundwater from these contaminants, the Service recommends the use of post construction storm water management techniques including detention basins or separation systems with a 100 foot bioswale. However, other post construction storm water management methods are available; these would be considered if documentation of successful use is provided to the Service prior to installation.
- 4) Apply and maintain construction BMP's that were developed specific for the project site.

Proceed to Step 4.

STEP 4

Does your project occur in the watershed of one the following streams (defined herein as any location within the catchment area of the following streams, including their tributaries)?

- Alum Fork Saline River
- Archey Fork Little Red River
- Bayou Dorcheat
- Beech Fork Little Red River
- Big Creek (south flowing tributary to Little Red River)
- Black River
- Buffalo Creek (Polk County)
- Buffalo River
- Caddo River
- Clabber Creek
- Cossatot River
- Current River
- Devils Fork Little Red River
- Ditches, sloughs, and bayous in the St. Francis River basin
- Eleven Point River
- Fiddler's Creek (Montgomery County)
- Fourche LaFave River (Scott County)
- Frog Bayou
- Gailey Hollow (Benton County)
- Healing Spring (Washington County)
- Illinois River
- Irons Fork Ouachita River (Montgomery and Yell counties)
- L'Anguille River
- Left Hand Chute Little River
- Little Missouri River
- Little River
- Middle Fork Little Red River
- Middle Fork Saline River
- Mississippi River (only instream activities apply)
- Mountain Fork Little River
- Muddy Creek (Montgomery County)
- Mulberry River
- Myatt Creek (Fulton County)
- North Fork Ouachita River
- North Fork Saline River

- Osage Creek and spring fed tributaries
- Ouachita River
- Palmer Hollow (Benton County)
- Poteau River
- Right Hand Chute Little River
- Robinson Creek
- Saline River (both Saline Rivers)
- Spring River
- South Fork Little Red River
- South Fork Ouachita River
- South Fork Saline River
- South Fork Spring River
- St. Francis River
- Strawberry River
- Turkey Creek (Little Red River)
- Tyronza River
- White River (downstream of Batesville)
- Wildcat Creek (Washington County)
- Wilson Spring (Washington County)

Yes **See instructions below.**
 No **Proceed to Step 5.**

If you answered “Yes” to Step 4, a concurrence letter from the U. S. Fish and Wildlife Service must accompany your ADEQ permit application package. **MUSSEL SURVEYS MAY BE REQUIRED BY THE U. S. FISH AND WILDLIFE SERVICE PRIOR TO THEIR CONCURRENCE ON THE PROJECT. AT MINIMUM, YOU MUST PROPERLY INSTALL AND MAINTAIN EROSION CONTROLS MEASURES AT THE ONSET OF GROUND DISTURBING ACTIVITIES UNTIL 95% OF BARE ERODIBLE SOILS ARE REVEGETATED OR OTHERWISE DEVELOPED (i.e., impervious surfaces).** Planning ahead is strongly advised in this situation. Any and all other endangered species issues will be evaluated when your information is submitted to the U.S. Fish and Wildlife Service.

The following map shows watershed boundaries and counties for the above referenced stream.

Arkansas Watersheds with Federally Listed or Candidate Species



U. S. FISH AND WILDLIFE SERVICE
 110 South Amity Road, Suite 300
 Conway, Arkansas 72032
 Tel: 501/513-4470 Fax: 501/513-4480

Rev. 11-20-2009

STEP 5

Does your project occur within 0.5 mile of the Arkansas River, White River, Mississippi River, or Red River?

Yes **Follow instructions below.**

No **Proceed to Step 6.**

If you answered “Yes” and are willing to implement the recommendations below, a concurrence letter from the U. S. Fish and Wildlife Service is not necessary and you can proceed to Step 6. If you are unable to implement the guidelines below, a concurrence letter from the U. S. Fish and Wildlife Service should accompany your ADEQ permit application package. Implementing the following U. S. Fish and Wildlife Service guidelines will prevent harassment and/or harm of Interior Least Tern populations.

1. The critical nesting period for the Interior Least Tern is between 15 May and 1 August. Nesting may extend beyond these dates depending on river stage elevations. If surveys reveal Interior Least Tern breeding activities within 0.5 mile of a proposed activity during this time period, no activity should proceed unless otherwise approved by the U. S. Fish and Wildlife Service (501-513-4470).
2. No activities should take place closer than 1,000 feet of the shoreline of a nesting colony location. The U. S. Fish and Wildlife Service should be contacted for further consultation if activities are to proceed within 1,000 feet of the shoreline of a nesting colony location. Limited construction outside of the active nesting season may not affect Interior Least Tern. Detailed project description, designs, and construction date information is necessary for U. S. Fish and Wildlife Service concurrence.
3. Employees and/or contractors should be instructed that under no circumstances (other than emergencies) are they permitted on a nesting island during the aforementioned time period and until after the young have fledged.
4. If, in the process of conducting work, an Interior Least Tern colony is discovered at another location in the vicinity, the above restrictions apply to that colony as well. The U. S. Fish and Wildlife Service should be contacted for consultation and to determine if further action would have any affect.
5. Further consultation with the U. S. Fish and Wildlife Service may be necessary and should be requested if any of these criteria can not be met.

Proceed to Step 6.

STEP 6

Does your project occur within Arkansas, Desha, Monroe, Phillips, Prairie, or Woodruff counties **AND** occur in one or more of the following locations?

1. The mostly contiguous forest primarily in the lower White River floodplain encompassing the U. S. Fish and Wildlife Service's Cache River and White River National Wildlife Refuges, the Arkansas Game and Fish Commission's Dagmar and Wattensaw Wildlife Management Areas, and adjacent forested private lands. The Ivory-billed Woodpecker potential range generally follows the edge of the large, contiguous forest but also includes:
 - a. Forested corridors containing potentially suitable habitat extending outward from the edge of the core contiguous forest until the width decreases to less than 0.25 mile for a distance of more than 0.25 mile, and
 - b. Forested corridors containing potentially suitable habitat along Bayou DeView and Bayou LaGrue extending upstream about ten miles from the forest core.
2. The batture lands of the Mississippi River extending from the vicinity of the mouth of the White River to about 8 – 10 miles south of the mouth of the Arkansas River in Desha County, AR.
3. The forest encompassing the AGFC Black Swamp WMA and Cache River NWR, and adjacent forested private lands.
4. The portions of the lower Arkansas River floodplain inside the levees in Desha, Lincoln, and Jefferson counties from the confluence of the Arkansas and Mississippi rivers to about 12 miles upstream of Dam 2.

Yes **See instructions below.**
No **Proceed to Step 7.**

If you check "Yes" to Step 6, a concurrence letter from the U. S. Fish and Wildlife Service should accompany your permit application package. Planning ahead is strongly advised in this situation. **The U. S. Fish and Wildlife Service may require surveys and more detailed consultation.** Any and all other endangered species issues will be evaluated when your information is submitted to the U.S. Fish and Wildlife Service.

STEP 7

Does your project occur within the area defined below in Crawford, Franklin, Johnson, Logan, Sebastian, Scott, or Yell counties and include three or more acres of ground disturbance?

Yes **See instructions below.**

No **Proceed to Step 8.**

Projects resulting in a ground disturbance of three acres or more in areas shaded in light gray in the figure below or private in-holdings within publicly-owned properties (dark gray shaded areas) and not meeting one of the habitat characteristics listed below must complete an American Burying Beetle survey, and possibly trap and relocation if presence is detected, prior to permit issuance. The following is a description of the boundary for the ABB survey area:

Crawford County: Beginning where Interstate 40 crosses the Arkansas/Oklahoma state line, follow the state line north to the Ozark National Forest boundary west of Uniontown, Arkansas. At this point, follow the Ozark National Forest boundary east to Old 88 Road and then south Arkansas Highway 60 South to its junction with Arkansas Highway 348. Follow Arkansas Highway 348 west of Rudy, Arkansas, east to Arkansas Highway 282. Follow Arkansas Highway 282 east to U.S. Highway 71 and then north along U.S. Highway 71 to Mountainburg, Arkansas. At this point, follow the Ozark National Forest boundary south and then east to the Crawford County line. Follow the Crawford County line south and then west to Arkansas Highway 59 south of Van Buren, Arkansas. Follow Arkansas Highway 59 north to Interstate 540; follow Interstate 540 to Interstate 40. Follow Interstate 40 west to the beginning point at the Arkansas/Oklahoma state line.

Franklin County: Beginning at the Crawford and Franklin County line and the southern boundary of the Ozark National Forest west of Piney, Arkansas, follow the Ozark National Forest boundary east to the Franklin County line. All of Franklin County south of these two points is included in the ABB survey area.

Johnson County: Beginning at the Franklin and Johnson County line and southern boundary of the Ozark National Forest southwest of Oak Grove, Arkansas, follow the Ozark National Forest boundary east to the Johnson and Pope County line. All of Johnson County south of these two points is included in the ABB survey area.

Logan County: Beginning at Arkansas Highway 22, the area extends north of Arkansas Highway 22 to the Arkansas River (county line). All areas in Logan County west of Arkansas Highway 309, extending south from Paris, Arkansas to the Logan and Yell county line is included in the area.

Sebastian County: Beginning at the Arkansas/Oklahoma state line near Enterprise, Arkansas (south of Fort Smith), the area extends northeast along Arkansas Highway 45 from Enterprise to Interstate 540 North. From this point follow Interstate 540 north to Phoenix Avenue. Follow Phoenix Avenue east to Arkansas Highway 22 and then follow Arkansas Highway 22 eastward to Arkansas Highway 59 near Barling, Arkansas. Continue north along Arkansas Highway 59 to the Arkansas River. The boundary follows the Sebastian County line from this point to Arkansas Highway 96 at Mansfield,

Arkansas. Follow Arkansas Highway 96 west to the Arkansas/Oklahoma state line (west of Hartford) and then north to the beginning point near Enterprise, Arkansas.

Scott County: Beginning at the Yell and Scott County line in Scott County, follow Arkansas Highway 80 to U.S. Highway 71 Business (in Waldron, Arkansas). From this point, follow U.S. Highway 71 Business to U.S. Highway 71 north to Elm Park, Arkansas. From Elm Park, Arkansas follow Arkansas Highway 378 to the Scott and Sebastian County line. All areas north and east of these highways are included in the area.

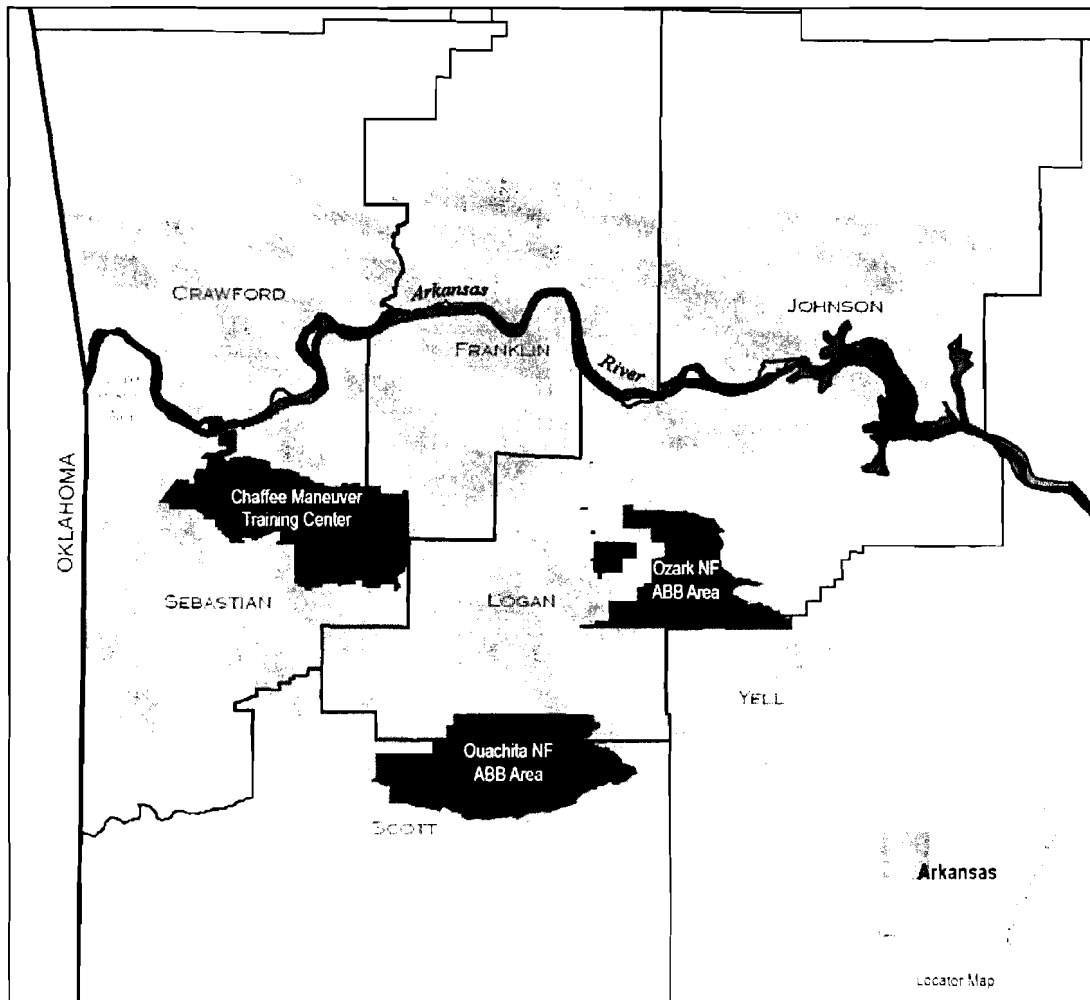
Yell County: Beginning at the Logan and Yell County line in Yell County, the area extends east from Blue Mountain, Arkansas, along the southern boundary of the Ozark National Forest to Arkansas Highway 307. The eastern boundary follows Arkansas Highway 307 south from the Ozark National Forest boundary to Bellville, Arkansas and then Yell County Road 17 to Shark, Arkansas. Arkansas Highway 80 from Shark, Arkansas to the Yell and Scott County line forms the southern boundary of the area.

Please include site photographs or other supporting information to help the Service further evaluate whether these characteristics are present. In general, but not limited to, any one of the following project characteristics exclude the need to conduct an American Burying Beetle survey:

1. Projects with less than three acres of soil disturbance.
2. Soil that is greater than 70 percent sand.
3. Soil that is greater than 70 percent clay.
4. Land where greater than 80 percent of the soil surface is comprised of rock.
5. Land where greater than 80 percent of the subsurface soil structure within the top four inches is comprised of rock.
6. Land that has already been developed and no longer exhibits topsoil or leaf litter.
7. Land that is tilled on at least an annual basis.
8. Land that meets the U.S. Army Corps of Engineers definition of wetland.
9. Pine plantations planned for mechanical treatment where stocking density is 750 or more trees per acre (little sunlight to forest floor).
10. Shortleaf pine or mixed pine-hardwood forest stands with 110 square feet per acre or greater overstory basal area and more than 700 stems per acre occupying midstory and understory positions.
11. Land that is bordered by dense urban development (when in doubt request Service concurrence).
12. Dense cedar thickets.

The Service evaluates numerous other project characteristics such as type, duration, permanency, land use, location, time/season, and habitat to determine if a survey is required. If you have questions regarding the need for a survey, please contact the U. S. Fish and Wildlife Service at 501-513-4470. **American Burying Beetle surveys can only be conducted between May 20 and September 20 and are valid for one year. Please plan ahead.** If you answered “Yes” to Step 7, a concurrence letter from the U. S.

Fish and Wildlife Service should accompany your permit application package. Any and all other endangered species issues will be evaluated when your information is submitted to the U.S. Fish and Wildlife Service.



STEP 8

Does your project occur in Ashley, Bradley, Clay, Drew, Izard, Jackson, Lawrence, Washington, or Woodruff counties **AND** are one or more of the following federally listed plants present (Virginia Sneezeweed, Missouri Bladderpod, Pondberry, Running Buffalo Clover, and/or *Geocarpon minimum*). Should one of these plants be discovered on the property during project implementation, see instructions below and contact U. S. Fish and Wildlife Service for additional technical assistance to avoid violating the prohibitions of section 9 of the Endangered Species Act.

- Yes See instructions below.
No Proceed to the Certification section.

1. Avoid use of pre-emergent herbicides in areas with federally listed species and state species of concern.
2. Avoid herbicide use at any known site inhabited by federally listed plants during the following time periods:
 - a. Virginia Sneezeweed (*Helenium virginicum*): Spring “green up” until first frost.
 - b. *Geocarpon minimum*: February through June.
 - c. Missouri Bladderpod (*Physaria (Lesquerella) filiformis*): July through September
 - d. Pondberry (*Lindera melissifolia*): Bud inhibitor agents could damage plants during December through February. Plants flower in early spring before leaves are active, avoid herbicide applications from flowering through February.
 - e. Running Buffalo Clover (*Trifolium stoloniferum*): August through February.
 - f. Harparella (*Ptilimnium nodosum*): May through October. Since this species occurs in stream channels and is typically underwater during this time, we assume it is dormant. It begins growing as stream waters recede in the spring and flowers and fruits in the summer when water in the stream channel is low.
3. Maintain native glade and sinkhole pond vegetation by minimizing or avoiding activities in this habitat type.
4. Pondberry is a wetland plant that is often found in sand pond habitats in eastern Arkansas, low sandy ridges in hardwood bottoms in the St. Francis Sunken Lands, and in the Ouachita River bottoms. BMPs directed toward minimizing runoff and erosion or introduction of contaminants into these areas should be employed.

If you answered “Yes” to Step 8 AND cannot implement the four recommendations listed above OR the project will have direct impacts on federally listed plants, contact the U. S. Fish and Wildlife Service for conservation recommendations prior to project implementation. Any and all other endangered species issues will be evaluated when your information is submitted to the U.S. Fish and Wildlife Service.

STEP 9

There are currently no federally listed threatened or endangered species present in the area of your project.

CERTIFICATION

If you are able to implement the recommendations in this checklist, disturbance of federally listed endangered and threatened species is unlikely. If you can not adopt these recommendations, we suggest that you contact the U. S. Fish and Wildlife Service's Arkansas Field Office for further assistance in determining whether your activity may disturb federally listed species.

Bjm (initial) "I certify that, to the best of my knowledge and belief, all of the information on and attached to this evaluation form is correct, complete, and made in good faith."

Bjm (initial) "I understand that false or fraudulent information on or attached to this evaluation form may subject me to criminal or civil prosecution should the provisions of the Endangered Species Act or Bald and Golden Eagle Protection Act be violated."

Bjm (initial) "I understand that any information given may be verified."

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information 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."

BART J. MINK, PE, LEED AP
Print Name and Title

B J Mink
Signature

7/30/12
Date

We recommend printing this evaluation, signing and dating it, submitting copies to the U.S. Fish and Wildlife Service (address listed on page 1) and the Arkansas Department of Environmental Quality, and keeping a copy for your records.



IN REPLY REFER TO

United States Department of the Interior

FISH AND WILDLIFE SERVICE
110 S. Amity Road, Suite 300
Conway, Arkansas 72032
Tel.: 501/513-4470 Fax: 501/513-4480



August 1, 2012

Reference: TA0665

Bart J. Mink
Crafton Tull
P.O. Box 10189
Russellville, AR 72812

Dear Mr. Mink:

The U.S. Fish and Wildlife Service (Service) has reviewed the information supplied in your letter dated June 21, 2012, regarding the proposed construction of a Kindergarten through Third Grade wing onto the existing intermediate school building in the City of Clinton, Van Buren County, Arkansas. Our comments are submitted in accordance with the Endangered Species Act (87 Stat. 884, as amended 16 U.S.C. 1531 et seq.).

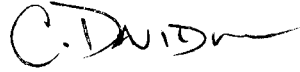
The following federally listed threatened and endangered species occur in the South Fork Little Red River: Yellowcheek darter (*Etheostoma moorei*) and speckled pocketbook (*Lampsilis streckeri*). In addition, the federally protected Bald Eagle (*Haliaeetus leucocephalus*) is known to occur in this region.

Sediment and/or nutrient transport from the proposed project location may have direct, indirect, and/or cumulative effects to mussels, fish hosts, and/or their habitat(s). The effects of sedimentation and nutrients (e.g., ammonia, etc.) on mussels, fish, and their habitats are well documented in the scientific literature. Adverse effects associated with sedimentation and nitrification from all phases of construction activities may be minimized and/or alleviated through proper implementation and maintenance of erosion control best management practices and maintaining vegetative buffers. Buffer width is dependent upon slope, vegetation type, and soil types. The Service can provide additional technical assistance on appropriate vegetative buffer widths upon request.

The comments herein are for the sole purpose of providing technical assistance to the action agency or for individual pre-project planning assistance. These comments and opinions should not be misconstrued as an "effect determination" or considered as concurrence with any proceeding determination(s) by the action agency in accordance with Section 7 of the ESA. These comments do not authorize the "take" of a threatened or endangered species as defined under the ESA. In the absence of authorization (e.g., an ESA Section 10 Permit, a Biological Opinion with "incidental take" provisions, a finding concurrence letter, etc.) from the Service, both lethal and nonlethal "take" of protected species are in violation of the ESA.

We appreciate your interest in the conservation of endangered species. If you have any questions, please contact the Arkansas Ecological Services Staff at (501) 513-4487.

Sincerely,

A handwritten signature in black ink, appearing to read "C. D. Boggs" with a long, sweeping horizontal line extending to the right.

~~Jim~~ Boggs
Project Leader

PERMIT TRANSFER FORM

Please select one of the following options:

A. Permittee (legal name) change

B. Facility name change

C. Responsible official name change

A

B

C

A & B

A & C

B & C

A & B & C

PERMIT NUMBER: _____

AFIN NUMBER: _____

I. CURRENT PERMITTEE INFORMATION

Permittee (legal name): _____

Facility Name: _____

Responsible Official Name (see Section IV below): _____

Is the permittee identified above, the owner of the facility? Yes No

If you mark No, please list the name of the owner: _____

II. NEW PERMITTEE INFORMATION

Permittee (legal name): _____

Facility Name (if different from Permittee Name): _____

Is the permittee identified above, the owner of the facility? Yes No

If you mark No, please list the name of the owner: _____

Responsible Official Name (see Section IV below): _____

Official Title of Responsible Officer: _____ Owner Type:

Permittee Address: _____ STATE PARTNERSHIP

Permittee City: _____ FEDERAL CORPORATION*

Permittee State: _____ Zip: _____ SOLE PROPRIETORSHIP

Permittee Telephone No.: _____

Is the new permittee registered with the Arkansas Secretary of State? Yes No

If yes, please provide the full name of corporation if different than the legal permittee name listed above. _____

Facility Mailing Address: _____ Facility City: _____

_____ Facility State: _____ Zip: _____

Facility Contact Person Name: _____ Contact Person Title: _____

Telephone Number: _____ Fax Number: _____ E-mail: _____

Invoice Contact Person: _____ City: _____

Invoice Mailing Address: _____ State: _____ Zip: _____

Invoice Mailing Address: _____ Telephone: _____

Cognizant Official Name: _____ Cognizant Official Title: _____

Telephone Number: _____ Fax Number: _____ E-mail: _____

PERMIT TRANSFER FORM

III. OWNERSHIP CHANGE AGREEMENT

Please note you must complete this Section (III.) only if the permit has a new owner or a new ownership.

Please specify the closing date for this transaction: _____

Current Permittee (Seller): _____

Signature of Responsible Corporate Officer: _____

Title of Responsible Corporate Officer: _____

Printed Name of Responsible Corporate Officer: _____

Date: _____

New Permittee (Buyer): _____

Signature of Responsible Corporate Officer: _____

Title of Responsible Corporate Officer: _____

Printed Name of Responsible Corporate Officer: _____

Date: _____

Disclosure Statement:

Disclosure Statement must be submitted for new permittee. **Disclosure Statement is not required for Stormwater Permits.**

Is Disclosure Statement enclosed: Yes No

Financial Assurance:

Please note that if Financial Assurance is required for the current permittee then the new permittee may have to provide new Financial Assurance before the permit maybe transferred..

Land Use Contract:

For **land application permits** you must submit a new land use contracts for all the sites permitted under the current permit for land application. The new land use contract must be signed by the new permittee and land owner.

IV. CERTIFICATION OF NEW PERMITTEE

“I certify that the cognizant official designated in this Permit Transfer Form (Section II) is qualified to act as a duly authorized representative under the provisions of 40 CFR Part 122.22(b). If no cognizant official has been designated, I understand that the Department will accept reports signed by the applicant. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information 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.”

In addition, I certify that there will be no operational changes that warrant a permit modification. (Please note that if there are changes that warrant a permit modification, then you must submit a complete application, updated plans, design calculations and specifications, and the permit modification fee along with this Ownership Change Form. The transfer may be made effective prior to permit modification.)

Typed or Printed Name: _____ Title: _____

Signature: _____ Date: _____

Arkansas Department of Environmental Quality
NPDES Branch, Water Division
5301 Northshore Drive
North Little Rock, AR 72118
(501) 682-0623

NOTICE OF TERMINATION (NOT)
FOR DISCHARGERS OF STORMWATER RUNOFF ASSOCIATED WITH
CONSTRUCTION ACTIVITY
AUTHORIZED UNDER NPDES GENERAL PERMIT ARR150000

Permit Tracking Number to be Terminated: ARR15

I. PERMITTEE INFORMATION

Permittee Legal Name: Clinton School District Permittee Type:
Permittee Mailing Address: 683 Poplar Street STATE PARTNERSHIP
City: Clinton FEDERAL CORPORATION*
State: AR Zip: 72031 SOLE PROPRIETORSHIP
Permittee Telephone Number: (501) 745-6005 PUBLIC OTHER
Permittee Fax Number: (501) 745-2475
Email mcgahaj@clinton.k12.ar.us *State of Incorporation: _____

II. CONSTRUCTION SITE INFORMATION

Project Name: Clinton K-3 School Project Contact Person: James McGaha
Project County: Van Buren Project Physical Address: 299 Walker Street
Project City: Clinton Zip: 72031
Telephone Number: (501) 745-6043

Have you established vegetation cover with 80% density? YES NO
Have all discharges associated with construction activities been eliminated? YES NO
Have you included pictures of vegetation coverage and stabilized areas? YES NO
If the project is a large plan of development, have all certifications been collected consistent with Part I.B.16.C? YES NO

****Please note that photos must be submitted in order to terminate permit coverage.****

III. PERMITTEE CERTIFICATION

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

"In addition, I understand that by submitting this Notice of Termination that I am no longer authorized to discharge storm water by general permit, and that discharging pollutants in stormwater associated with construction activity to Waters of the State is unlawful under the Clean Water Act and the Arkansas Water and Air Pollution Control Act where the discharge is not authorized by an NPDES permit."

Typed or Printed Name: James McGaha Title: Clinton School Superintendent
Signature: _____ Date: _____