Storm Water Pollution Prevention Plan (SWPPP) Completeness Checklist

Permittee: _____
Project Name: Southwest Power Pool Corporate Offices **Tracking Number: ARR15** _____
Project City: Little Rock **Location of SWPPP on-site:** _____

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

Yes	No	N/A		Notes
			A. A site description, including:	
X			1. Pre-construction topographic view	Part II.A.4.A.1
X			2. Nature of activity and intended use after NOT is filed	Part II.A.4.A.2
X			3. Sequence of major activities	Part II.A.4.A.3
X			4. Total area of site/Disturbed area.	Part II.A.4.A.4
X			5. The runoff coefficient of the site after construction is complete.	Part II.A.4.A.5
X			6. Existing soil or storm water data.	Part II.A.4.A.5
X			**B. Responsible Parties: All parties dealing with the SWPPP and the areas they are responsible for on-site.**	Part II.A.4.B
X			**C. Receiving Waters: Site to ultimate waters**	Part II.A.4.C
			D. Documentation of permit eligibility related to Impaired Water Bodies and Total Maximum Daily Loads (TMDLs).	
		X	1. Are pollutants listed on the 303(d) list or in the TMDLs for the receiving waters addressed in SWPPP?	Part II.A.4.D.1
		X	2. Have pollutants directly related to the site been addressed?	Part II.A.4.D.2-
		X	3. Measures taken to reduce pollutants from the site.	Part II.A.4.D.3
X			**E. Documentation of attainment of Water Quality Standards after authorization.**	Part II.A.4.E
X			**F. Endangered Species information.**	Part II.A.4.F
			G. Site Map showing:	
X			1. Drainage patterns.	Part II.A.4.G.1
X			2. Approximate slopes after major grading.	Part II.A.4.G.1
X			3. Area of soil disturbance.	Part II.A.4.G.2
X			4. Outline of areas which will not be disturbed.	Part II.A.4.G.2
X			5. Location of major structural and non-structural controls.	Part II.A.4.G.3
X			6. Location of main construction entrance and exit.	Part II.A.4.G.4
X			7. Areas where stabilization practices are expected to occur.	Part II.A.4.G.5
		X	8. Locations of off-site materials, waste, borrow area or storage area.	Part II.A.4.G.6
X			9. Locations of areas used for concrete wash-out.	Part II.A.4.G.7
		X	10. Surface waters.	Part II.A.4.G.8
X			11. Locations where water is discharged to a surface water or MS4.	Part II.A.4.G.9
		X	12. Storm water discharge locations.	Part II.A.4.G.10
		X	13.Areas where final stabilization has been accomplished.	Part II.A.4.G.11
			H. Description of Controls:	
			1. Erosion and sediment controls, including:	
X			a. Initial disturbed areas.	Part II.A.4.H.1.a
X			b. Erosion and Sediment controls to retain sediment on-site.	Part II.A.4.H.1.b
X	~~X~~		c. Replacement of inadequate controls.	Part II.A.4.H.1.c ~~Need statement pertaining to controls not being sufficeint or inadequate to be replaced.~~
X	~~X~~		d. Removal of off-site accumulations.	Part II.A.4.H.1.d ~~Need statement pertaining to clean up of off-site accumulations~~
X			e. Maintenance of sediment traps/basins @ 50% capacity.	Part II.A.4.H.1.e
X			f. Litter, construction debris and chemicals properly handled.	Part II.A.4.H.1.f

Storm Water Pollution Prevention Plan (SWPPP) Completeness Checklist

Permittee: _____
Project Name: Southwest Power Pool Corporate Offices **Tracking Number: ARR15** _____
Project City: Little Rock **Location of SWPPP on-site:** _____

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

			2. Stabilization practices.	
X			a. Description and schedule for stabilization.	Part II.A.4.H.2.a
		X	b. Description of buffer areas.	Part II.A.4.H.2.b
X			c. Records of stabilization.	Part II.A.4.H.2.c
X			d. Deadlines for stabilization.	Part II.A.4.H.2.d
			3. Structural Practices.	
			a. Sediment basins	Part II.A.4.H.3.a.1
		X	Are more than 10 acres draining to a common point? If so, are sediment basins included? If not, skip to item 3.b.	Part II.A.4.H.3.a.1
		X	Sediment basin dimensions and capacity description and calculations.	Part II.A.4.H.3.a.1
		X	Sediment basin outfall type, size, capacity, etc. calculations.	Part II.A.4.H.3.a.1
		X	If a basin wasn't practicable, are other controls sufficient?	Part II.A.4.H.3.a.1
X			b. Velocity dissipation devices to provide non-erosive flow conditions from the discharge point along the length of any outfall channel.	Part II.A.4.H.3.b
			I. Other controls including:	
X			1. Waste disposal practices which prevent discharge of solid materials to waters of the State.	Part II.A.4.I.1
X			2. Measures to minimize offsite tracking of sediments by construction vehicles.	Part II.A.4.I.2
X			3. Measures to ensure compliance with State or local waste disposal, sanitary sewer, or septic system regulations.	Part II.A.4.I.4
X			4.Does the site have a concrete washout area controls?	Part II.A.4.I.5
X			5. Does the site have fuel storage areas, hazardous waste storage and/or truck wash areas controls?	Part II.A.4.I.6
X			**J. Identification of allowable non-storm water discharges**	Part II.A.4.J
X			**K. Post construction stormwater management.**	Part II.A.4.K
X			**L. State or local requirements incorporated into the plan.**	Part II.A.4.L
			M. Are inspection procedures identified in the plan?	
X			1. Frequency listed?	Part II.A.4.M.1
			2. Inspection form	Part II.A.4.M.2
X			Ours.	
			If not ours, does it contain the following items:	
		X	a. Inspector name and title	Part II.A.4.M.2.a
		X	b. Date of inspection.	Part II.A.4.M.2.b
		X	c. Amount of rainfall and days since last rain event (Part II.A.4.M 1.b	Part II.A.4.M.2.c
		X	d. BMPs used on-site	Part II.A.4.M.2.d
		X	e. If BMPs are in working order and if maintenance is needed (Scheduled and completed)	Part II.A.4.M.2.e
		X	f. Location and dates when major construction activities begin, occur or cease	Part II.A.4.M.2.f
		X	g. Report signature of inspector	Part II.A.4.M.2.g
X			3. Inspection Records	Part II.A.4.M.3
X			**N. Maintenance procedures for control measures identified in the SWPPP.**	Part II.A.4.N
X			**K. Signed Plan certification.**	Part II.A.7. and Part II.B.10

CONSTRUCTION
STORM WATER POLLUTION PREVENTION
PLAN
SOUTHWEST POWER POOL
LITTLE ROCK, ARKANSAS

National Pollution Discharge Elimination System General Permit # ARR150000

PREPARED FOR: NABHOLZ CONSTRUCTION

PREPARED BY:
EROSION CONTROL SERVICES COMPANY
14210 CLINTON ROAD
NORTH LITTLE ROCK, ARKANSAS
PHONE (501) 609-6187
FAX (501) 803-3721

JUNE, 2010

PROJECT NAME: Southwest Power Pool Corporate Office
LOCATION: 16100 Pride Valley Road
Little Rock, AR 72223

OPERATOR NAME: Southwest Power Pool, Inc
ADDRESS: 415 North McKinley
Little Rock, AR 72205

TABLE OF CONTENTS **PAGE**

LIST OF ATTACHMENTS

1. Topographic Map
2. Site Map
3. Endangered Species Check
4. Erosion Control Details
5. Owner certification
6. Inspector Certification
7. Inspection Form

1.0 SITE DESCRIPTION

1.1 Topographic View

See drawing C2.02 for existing contours

1.2 Project Description and Intended Use

The project will consist of the construction of a new office building (52,000 sf), a new data center (25,600 sf) and a new parking lot (188 spaces). After construction is completed the site will be the new corporate office and data center for Southwest Power Pool, Inc.

1.3 Sequence of Activities

Initial Development

- Install erosion and sediment controls
- Stockpile of topsoil
- Cut & fill material on site
- Install building pad
- Install utilities
- Install retention ponds

Final Development

- Install concrete building slab
- Install buildings
- Install base & asphalt parking
- Seed and mulch disturbed areas
- Install landscaping

1.4 Site Acreage

The project site contains 30 acres total and approximately 11 acres will be disturbed by construction activities.

1.5 Existing Site Information

The site is bordered on the south by Pride Valley Road and on the North by Rock Creek. The property high point is located parallel to Pride Valley Road and falls to the north, east, and southeast. The property is heavily wooded.

1.6 Runoff Coefficient

Before construction starts, the sit has a runoff coefficient of .36

After construction is completed, the site will have a runoff coefficient of .48

1.7 Soil Information

Topsoil and rock mixture, rock fragments at 2 feet.

2.0 RESPONSIBLE PARTIES

2.1 Owner

Southwest Power Pool, Inc (Tom Feitsche)
415 North McKinley
140 Plaza West
Little Rock, AR 72205
(501) 604-3110

2.2 General Contractor

Nabholz Construction (Billy Mayfield)
1718 Aldersgate Road
Little Rock, AR 72205
(501) 217-5522

3.0 Receiving Waters

3.1 Surface Waters

There are no surface waters located on this site.

3.2 Receiving Water Bodies

The site's storm water drains into an unnamed tributary of Rock Creek, Rock Creek, Fourche Creek, and into the Arkansas River.

4.0 Permit Eligibility Related to TMDL

The receiving stream is not on the list of Arkansas impaired water bodies.

5.0 Attainment of Water Quality Standards After Authorization

By the use of all BMP's as shown in this plan; water quality during construction will not be a problem. If water quality becomes a problem the SWPPP will be modified.

6.0 Endangered Species

See certification from US Fish & Wildlife in the attachments.

7.0 Stormwater Controls

7.1 Initial Site Stabilization

Initial site stabilization (Phase I) will consist of the installation of wire reinforced silt fence along the construction limits of the north, east, and southeast sides of the construction site. A construction entrance will be installed on the west side of the site as shown. The project will consist of approximately 15 feet of cut material relocated to north and east clearing limits to form a 3:1 slope and also used to construct the retention pond levees in Phase II. Two (2) additional wire reinforced silt fences will be installed at equal spaces as shown on the north slope to lessen the runoff during Phase II. Rock check dams will be installed in the drainage areas as shown in Phase I and Phase II to lessen and filter runoff. All inlets will be protected during construction and stormdrain outfalls will have a rip rap splash installed to prevent erosion.

7.2 Stabilization Practices

Temporary stabilization of disturbed soils will be implemented when construction activity temporarily ceases for at least 21 days. Measures which combine both sediment and erosion control will be most effective. Temporary seeding and mulch will be initialed no later than 14 days from the last construction activity.

Temporary seeding will be conducive to the season. Seeding in winter months will be annual rye applied at 200 pounds per acre (ppa). Seeding at all other times of year will be a mixture of perennial rye (300 ppa) and common Bermuda (30 ppa). A commercial type fertilizer (10-20-10) will be applied to all seeded areas. Seeded area will also be mulched with 4,000 PPA straw reasonably free from noxious and foreign matter detrimental to the seeded grass.

Permanent stabilization of disturbed areas of the site where construction activities have permanently ceased will be initiated within 14 days after the last construction activity. A recommended seed mix would consist of 50 ppa tall fescue, 50 ppa "white" clover, 50 ppa common Bermuda grass, and 50 ppa "perennial" rye grass. Fertilizing and mulching will be the same as for temporary seeding.

Alternatives to straw mulch are commercially available including blown wood fiber and/or paper fiber mulch, erosion control blankets and stitched blankets.

7.3 Structural Practices

The potential for erosion can be reduced by elimination or minimizing run-on to the site. Earth berms, swales or equivalent structures should be installed where needed to divert onsite and offsite stormwater around disturbed areas.

Rock dams or an equal substitute should be placed across areas of sheet flow and across ditches to enhance sediment removal and reduce water velocity in areas eroding or susceptible to erosion. In sheet flow areas, straw waddles should be placed in essentially level continuous lines. Waddles must be properly installed and anchored to resist being washed away by moderate stormwater flow. Straw waddles should be placed on smoothed ground surfaces to maximize contact with the ground and avoid bypasses.

Silt fencing should be placed across the draws and valleys near the perimeter of the site. Silt fencing aids in reducing water velocity and enhancing sediment removal. Multiple silt fence lines may be installed parallel to each other in larger draws. Silt fencing and other commercially supplied materials must be installed per manufacturer's instructions.

Other accepted practices include constructing on-site detention facilities to provide for sediment settling. In the event that ten (10) or more acres are disturbed at any one time, a stormwater detention structure will be required.

Any controls that are found to be inadequate to contain runoff will be replaced with a more sufficient control. All sediment found off-site will be removed and relocated to the site for stabilization.

8.0 Other Materials

8.1 Solid Waste Materials: Solid waste materials, including trash and construction debris, will be collected and properly contained and disposed at a properly licensed facility.

8.2 Offsite Vehicle Tracking: Stabilized construction entrances that help reduce vehicle tracking of sediments should be installed at all site access locations. Dump trucks hauling materials to or from the construction site should be secured to prevent material loss.

8.3 Sanitary Waste: Sanitary waste will be collected from portable units as necessary by a properly licensed contractor or as required by state and/or local regulation.

8.4 Concrete Waste: All concrete waste shall be disposed of in the designated concrete waste area.

8.5 Petroleum Products: All onsite vehicles should be inspected for leaks and should receive regular preventive maintenance to reduce the chance of leaking. Petroleum products should be stored in properly sealed and clearly labeled containers. Any asphalt substances used onsite should be applied in accordance with manufacturer's recommendations.

8.6 Hazardous Products: To reduce the risks associated with hazardous materials, products should be kept in their original containers unless they are not resealable. Original labels and material safety data sheets should be retained onsite with the materials. Methods recommended by the State or the manufacturer for proper disposal should be followed if surplus material must be disposed of.

8.7 Fertilizers: Fertilizers should be applied only in the amounts recommended by the manufacturer or specified. After being applied to the ground, fertilizer should be worked into the soil to limit exposure to stormwater. Storage should be under roof and in dry condition. The contents of any partially used fertilizer containers should be transferred to resealable bins to avoid spills.

9.0 Non-Stormwater Discharges

Allowable Discharges

- Water from water line flushing
  Groundwater removal or seepage

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9.0 Non-Stormwater Discharges

Revised 4 Submitted 7/18/12

Allowable Discharges

- Water from water line flushing
- Groundwater removal or seepage

10.0 Post Construction Stormwater Management

Two retention ponds will be constructed as shown to regulate stormwater runoff from the site.

11.0 State or Local Plans

The municipality in which the construction activity occurs will be contacted to determine if there are erosion control and/ or stormwater runoff requirements in the city code, city ordinances or city permits. All applicable requirements will be met. Documentation of compliance will be attached to this SWPPP.

12.0 Inspection And Records

The following practices will be used to maintain effective erosion and sediment control measures:

- Until disturbed areas are finally stabilized, control measures will be inspected every 7 days. A maintenance inspection report shall be completed after each inspection by the person performing the inspection. A sample inspection report form is attached in the attachments herein.
- All controls will be inspected to ensure that they meet the manufacture's specifications.
- Build up sediment should be removed from sediment fences and/or check structures when it has accumulated to one-half the height of the fence and/or structure. Fines accumulated on the filter fabric will need to be periodically removed.
- All site entrances and exits will be checked to ensure of no off-site tracking.
- Build up sediment should be removed from sediment fences and/or check structures when it has accumulated to one-half the height of the fence and/or structure. Fines accumulated on the filter fabric will need to be periodically removed.
- All inspection reports will be maintained for a minimum of 3 years after permit termination.
- Records will be kept of the following: (A) Dates when major grading activities occur. (B) Dates when construction activities cease in an area, temporarily or permanently. (C) Dates when an area is stabilized, temporarily or permanently.
- All measures should be maintained in good working order. If a repair is necessary, it should be initiated within 3 working days of discovery.

Owner's 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 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."

Signed: Tom Fritsche Dated: 7/1/2010

Contractor Certification Page

Contractor Printed Name: MGEORGE CONTRACTING Signature:
Contractor Phone Number: 501-490-1456

Contractor Printed Name: Erosion Control Services Signature:
Contractor Phone Number: 501-609-6187

Contractor Printed Name: Nabholz Const. Signature:
Contractor Phone Number: 501-217-5500

Contractor Printed Name: __________ Signature: __________
Contractor Phone Number: __________

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Contractor Phone Number: __________

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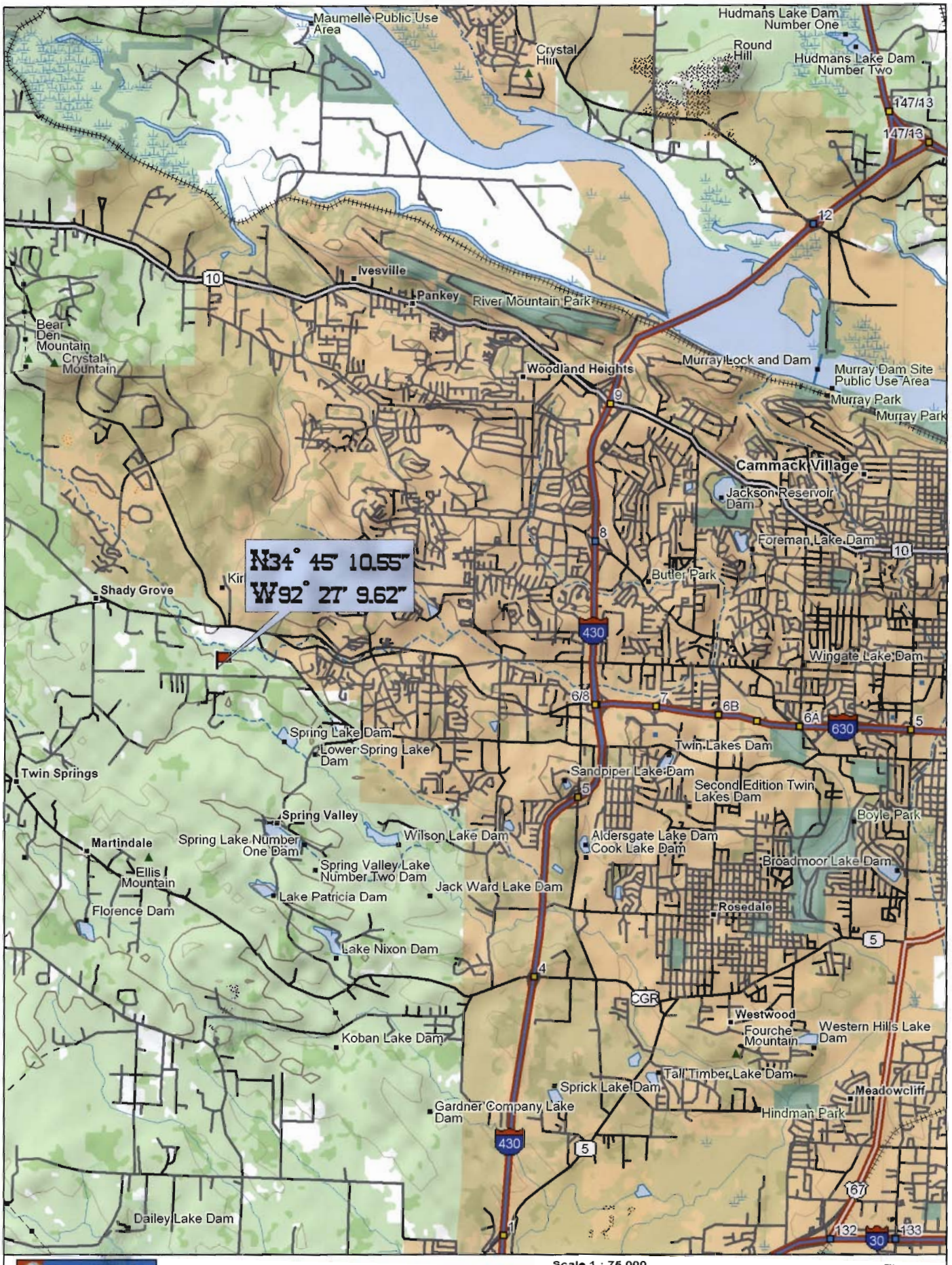
Contractor Phone Number: __________


N34° 45' 10.55"
W92° 27' 9.62"
Maumelle Public Use Area
Crystal Hill
Hudmans Lake Dam Number One
Round Hill
Hudmans Lake Dam Number Two
147/13
12
10
Ivesville
Pankey
River Mountain Park
Bear Den Mountain
Crystal Mountain
Woodland Heights
Murray Lock and Dam
Murray Dam Site Public Use Area
Murray Park
9
Cammack Village
Jackson Reservoir Dam
8
Foreman Lake Dam
Butler Park
Shady Grove
430
Wingate Lake Dam
6/8
7
6B
6A
630
5
Spring Lake Dam
Lower Spring Lake Dam
Twin Lakes Dam
Twin Springs
Sandpiper Lake Dam
Second Edition Twin Lakes Dam
Spring Valley
Boyle Park
Martindale
Spring Lake Number One Dam
Wilson Lake Dam
Aldersgate Lake Dam
Cook Lake Dam
Ellis Mountain
Spring Valley Lake Number Two Dam
Broadmoor Lake Dam
Jack Ward Lake Dam
Lake Patricia Dam
Florence Dam
Rosedale
Lake Nixon Dam
4
CGR
Westwood
Fourche Mountain
Western Hills Lake Dam
Koban Lake Dam
Tall Timber Lake Dam
Sprick Lake Dam
Meadowcliff
Gardner Company Lake Dam
Hindman Park
67
Dailey Lake Dam
1
132
30
133
DeLorme
© 2002 DeLorme. Topo USA ®. Data copyright of content owner.
www.delorme.com
Scale 1 : 76,000
1" = 1.18 mi
TN
MN
0.0°E

Endangered and Threatened Species Evaluation Form

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

Please include:

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, and an address to where the Service should send a response.

2. A high quality detailed map (ie: USGS quadrangle map and aerial photo) that contains an outline/polygon of the proposed project disturbance area.

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 Arkansas_ES_Clearance@fws.gov, phone number (501) 513-4470).

Include the completed form in your request for an ADEQ storm water 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.) and Bald and Golden Eagle Protection Act (16 U.S.C. 668-668c).

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 one of the following counties? **Projects occurring in the counties listed below may proceed to Step 10.**

Cleveland ☐
Lonoke ☐
Nevada ☐

Projects not occurring in one of the aforementioned counties must proceed to Step 2.

STEP 2

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

Yes ☐ **See instructions below.**
No ☒ **All other projects proceed to Step 3.**

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 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 Greene or Lincoln counties proceed directly to Step 10, all others proceed to Step 3.

STEP 3

Does your project occur within 0.5 mile of a red-cockaded woodpecker cavity **AND** within one of the following counties?

Yes ☐ **See instructions below and then proceed to Step 4.**
No ☒ **Proceed to Step 4.**

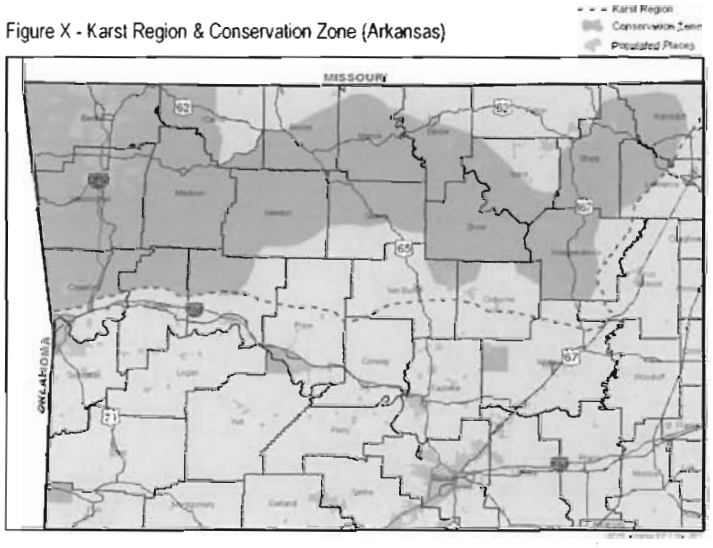
Ashley	☐	Grant	☐
Bradley	☐	Lafayette	☐
Calhoun	☐	Monroe	☐
Clark	☐	Polk	☐
Columbia	☐	Scott	☐
Dallas	☐	Union	☐
Drew	☐		

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 3 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.

STEP 4

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

Figure X - Karst Region & Conservation Zone (Arkansas)



Yes ☐ **See instructions below and then proceed to Step 5.**

No ☒ **Proceed to Step 5.**

If you answered "Yes" to Step 4, contact the US Fish and Wildlife Service (Service) Arkansas Field Office (501-513-4477) 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. If the proposed project falls outside the delineated karst conservation zone but within karst counties (region), the following recommendations apply. If there are any questions on the recommendations, do not hesitate to contact 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 stormwater 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 outside the delineated karst conservation zone (map above) but within other portions of the nineteen karst counties (karst region), the Service recommends 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; stormwater 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 stormwater management techniques including detention basins or separation systems with a 100 foot bioswale. However, other post

construction stormwater 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 5.

STEP 5

Does your project occur involve instream activities (bridges, bank rip-rap, culverts, channel alteration, etc.) **AND** occur in one of the following streams?

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)	☐
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 La Fave 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	☐
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)	☐
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 6.**

If you answered "Yes" to Step 5, a concurrence letter from the U. S. Fish and Wildlife Service should 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.** 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.

STEP 6

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 7.**

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 7. 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 to 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 7.

STEP 7

Does your project occur within Arkansas, Desha, Jefferson, Lincoln, 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 8.**

If you check "Yes" to Step 7, 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 8

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

Yes ☐ **See instructions below.**
No ☒ **Proceed to Step 9.**

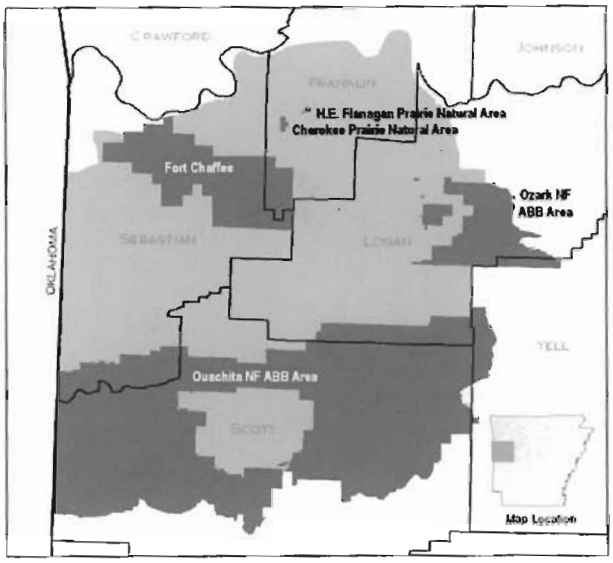
Projects resulting in a ground disturbance of three acres or more in areas shaded in light gray in the figure below or private in-holdings within publicly-owned properties (dark

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 northern boundary of this area extends east along Highway 45 from Enterprise near the AR/OK state line to Highway 255, continues east from Highway 255 to the Ft. Chaffee boundary and then north following Ft. Chaffee's boundary to the Arkansas River, from this point extending east the northern boundary is the Arkansas River in Sebastian, Franklin, and Logan counties until reaching Highway 309 at Roseville, from this point extending southeast the eastern boundary is Highway 309 until reaching the southern boundary of the Ozark National Forest, the remaining boundaries to the south and west of this point are represented by county, state, and National Forest ABB Area boundaries.

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 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. Land that is surrounded by intensive urbanization (contact the U. S. Fish and Wildlife Service at 501-513-4470 to verify this characteristic)

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 9, 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 9

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*).

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 9 AND can not 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 10

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.

SB (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."

SB (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."

SB (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."

Steve Bear (Pres. ECS)
Print Name and Title

Steve Bear
Signature

6-29-10
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.

STORMWATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT FORM

INSPECTOR:_____ DATE:_____

DAYS SINCE LAST RAINFALL:_____ AMOUNT OF LAST RAINFALL _____

AREA	DATE SINCE LAST DISTURBED	DATE OF NEXT DISTURBANCE	STABILIZED (YES/NO)	STAB. WITH	CONDITIO N

STABILIZATION REQUIRED:

SILT FENCE

IS THE BOTTOM OF THE FABRIC STILL BURIED? _____
IS THE FABRIC TORN OR SAGGING? _____
ARE THE POSTS TIPPED OVER? _____
HOW DEEP IS THE SEDIMENT? _____
MAINTENANCE REQUIRED FOR SILT FENCE:

SEDIMENT BASIN

DEPTH OF SEDIMENT IN BASIN? _____
CONDITION OF BASIN SIDE SLOPES? _____
ANY EVIDENCE OF OVERTOPPING OF THE EMBANKMENT? _____
CONDITION OF OUTFALL FROM SEDIMENT BASIN? _____
MAINTENANCE REQUIRED FOR SEDIMENT BASIN:

CONSTRUCTION EXIT

DOES MUCH SEDIMENT GET TRACKED ON TO ROAD? _____
IS THE GRAVEL CLEAN OR FILLED WITH SEDIMENT? _____
DOES ALL TRAFFIC USE THE STABILIZED EXIT TO LEAVE THE JOB SITE? _____
IS THE CULVERT BENEATH THE EXIT WORKING? _____
MAINTENANCE REQUIRED FOR CONSTRUCTION EXIT:
CHANGES TO BE PERFORMED BY:_____ ON OR BEFORE:_____

CHANGES REQUIRED TO THE STORMWATER POLLUTION PREVENTION PLAN:

REASONS FOR CHANGES:

"I certify under penalty of law that this document was prepared under my direction or supervision. 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

_____
Date

For additional information, please use a separate page.

SITE INSPECTOR CERTIFICATION

I certify under penalty of law that I am knowledgeable in the principals of erosion and sediment control, who possesses the skills to evaluate conditions at the above construction site that could impact stormwater quality, and knowledgeable in the correct installation of erosion and sediment controls. I certify that I am able to assess the effectiveness of any sediment and erosion control measures selected in the SWPPP to control the quality of stormwater discharges from the construction site. Additionally, I certify that I have reviewed the Arkansas Stormwater Construction General Permit ARR150000 and SWPPP which was prepared by the owner of this site.

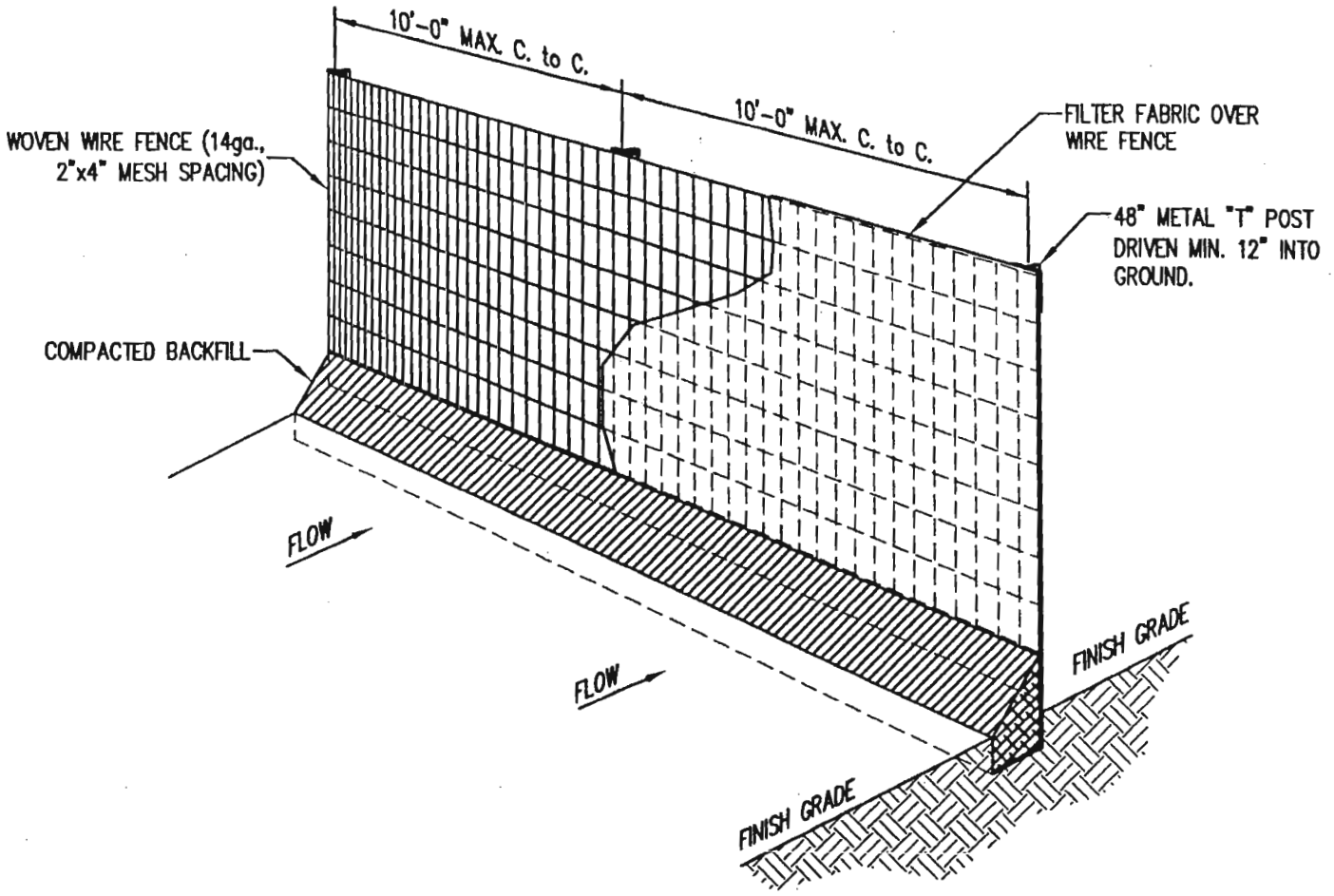
JOE BICKERS, JOB FOREMAN

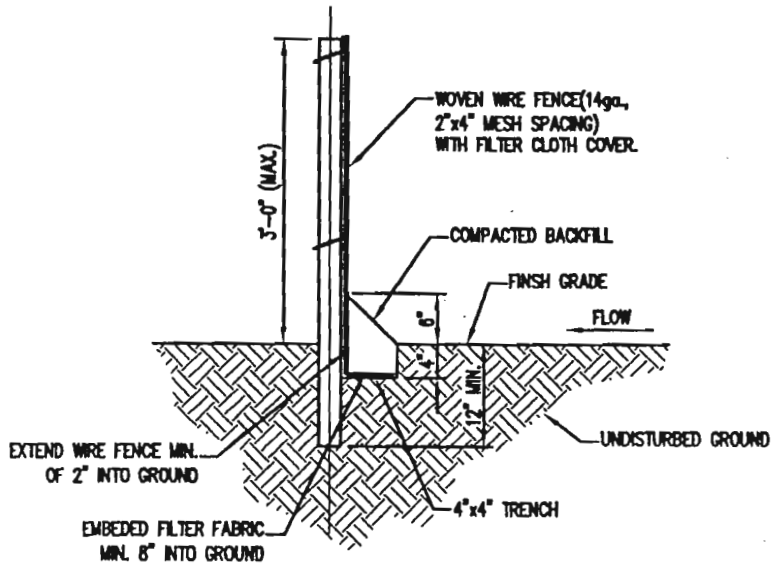
Printed Name of Title of Person Construction Activities

6-29-2010

Signature and Date

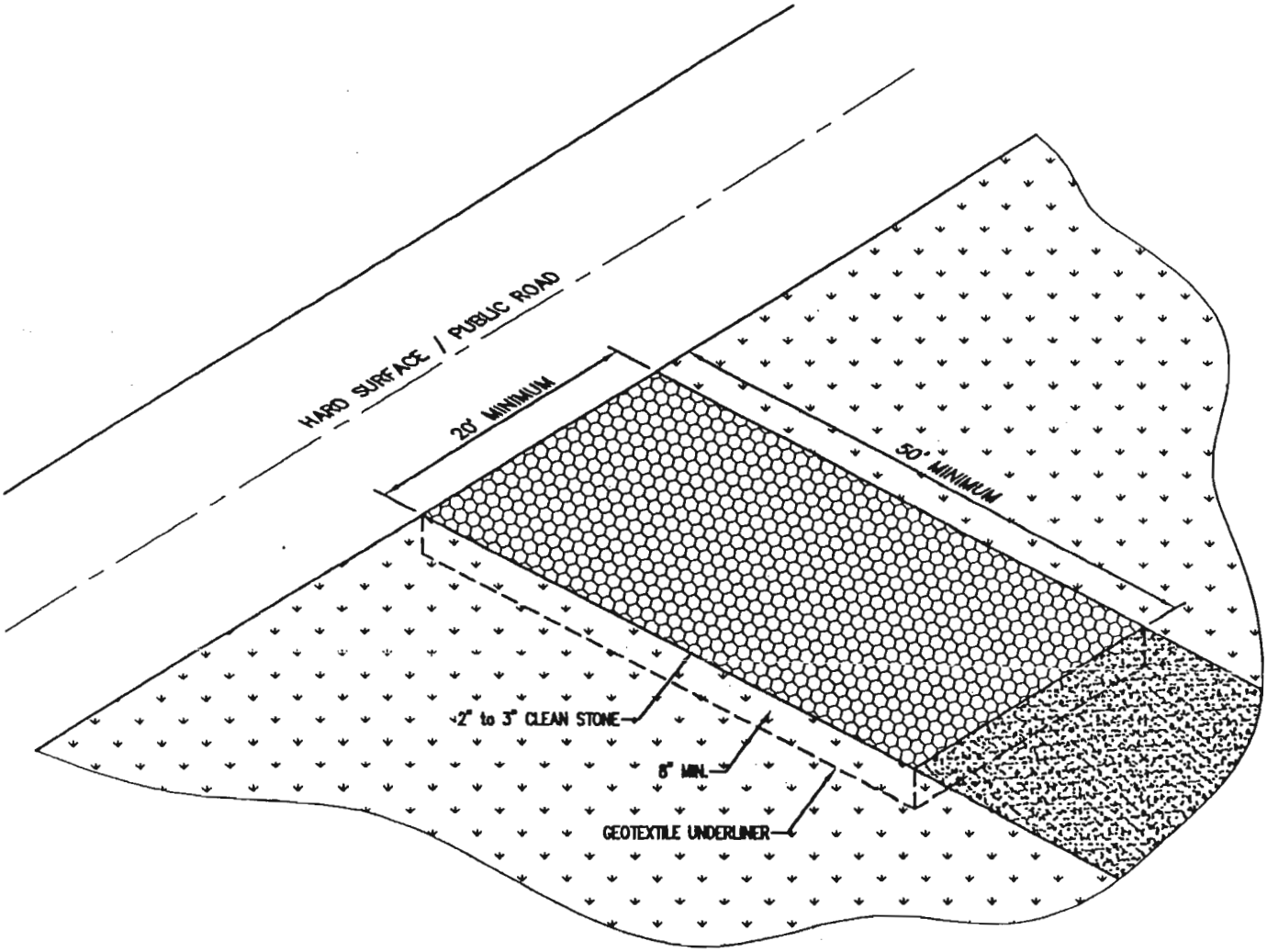
*****This certification will be signed by each contractor prior to commencement of construction.******





SECTION VIEW

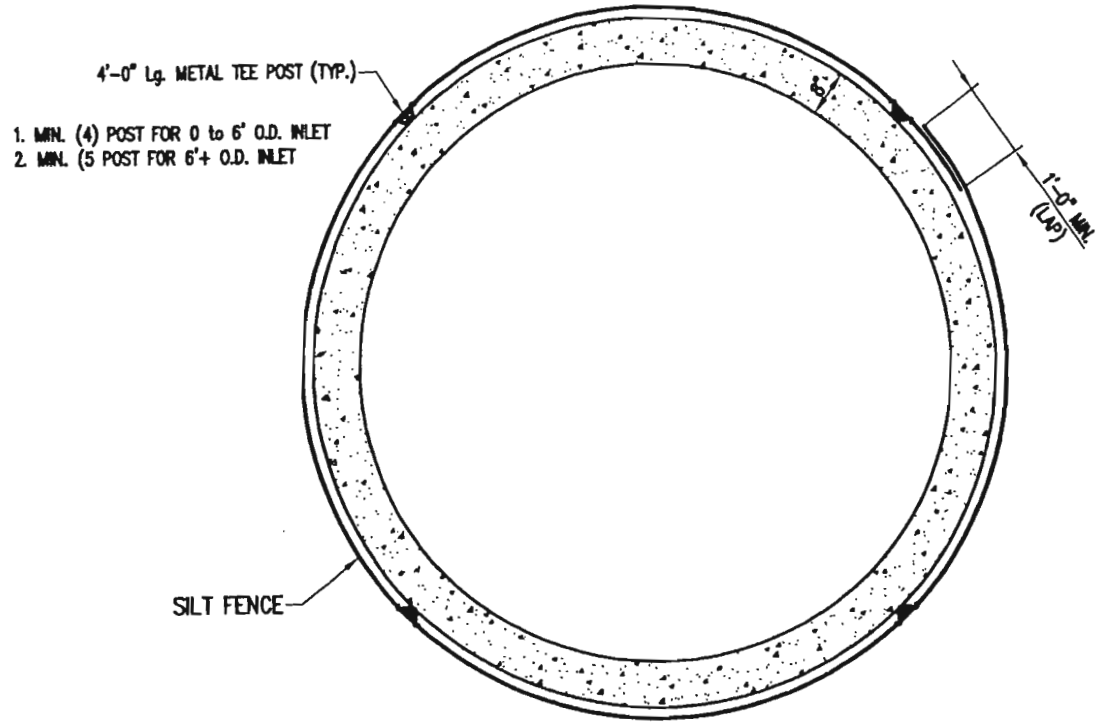
JLL	10-15-05	SILT FENCE WITH WIRE SUPPORT DETAIL ELEVATION VIEW	Erosion Control Services
SMB	10-20-05		
NONE			
GD-07			



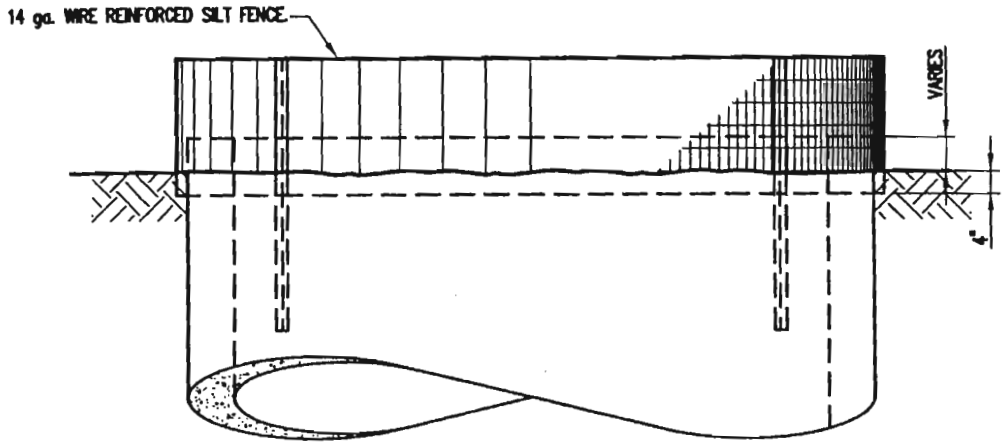
JLL	10-15-05
SMB	10-20-05
NONE	
GD-09	

CONSTRUCTION ENTRANCE DETAIL

Erosion Control Services



PLAN VIEW



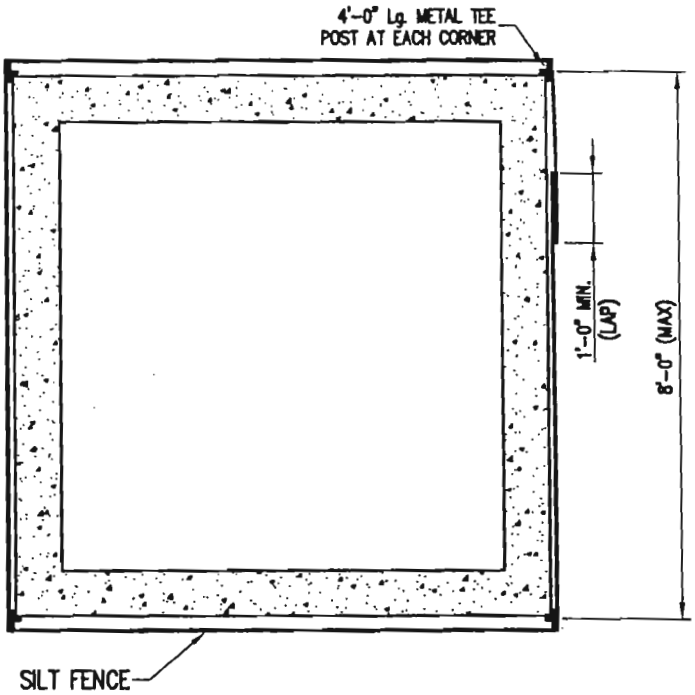
ELEVATION VIEW

INLET PROTECTION FOR ROUND INLET

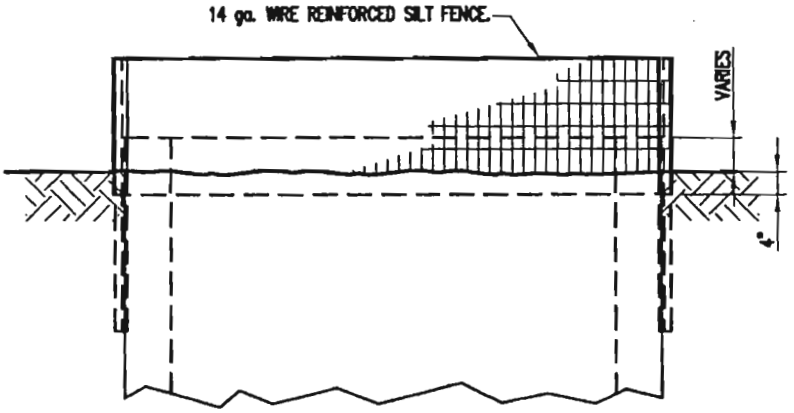
JLL	10-15-05
SMB	10-20-05
NONE	
GD-01	

INLET PROTECTION FOR ROUND INLET
PLAN & ELEVATION VIEW

Erosion Control Services



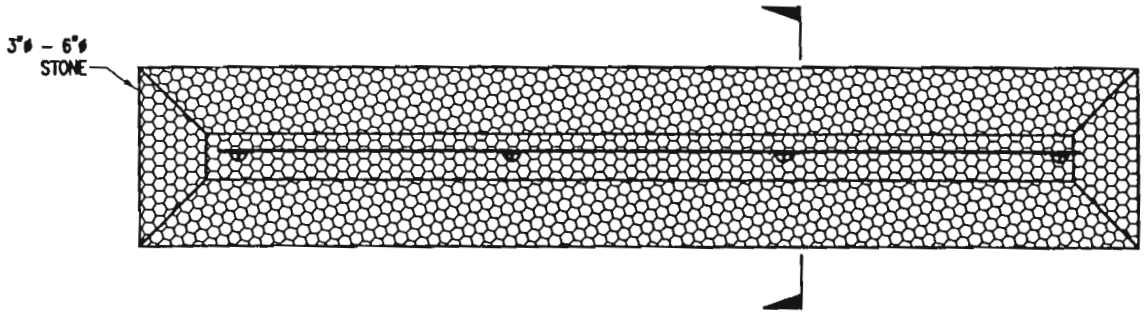
PLAN VIEW



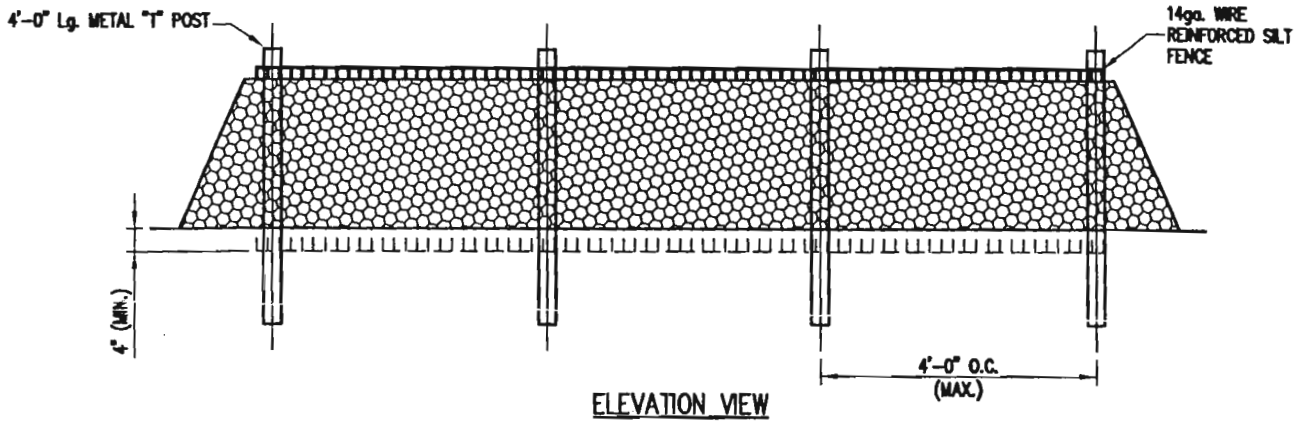
ELEVATION VIEW

INLET PROTECTION FOR SQUARE INLET

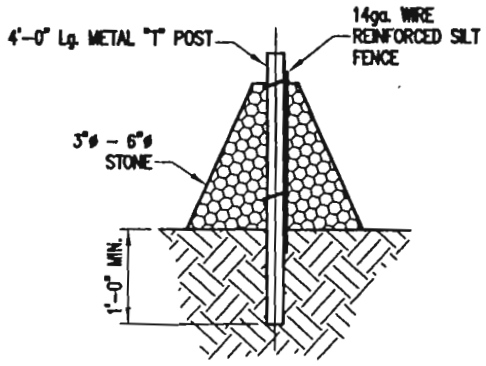
JLL	10-15-05	INLET PROTECTION FOR SQUARE INLET PLAN AND ELEVATION VIEW	Erosion Control Services
SMB	10-20-05		
NONE			
GD-02			



PLAN VIEW



ELEVATION VIEW



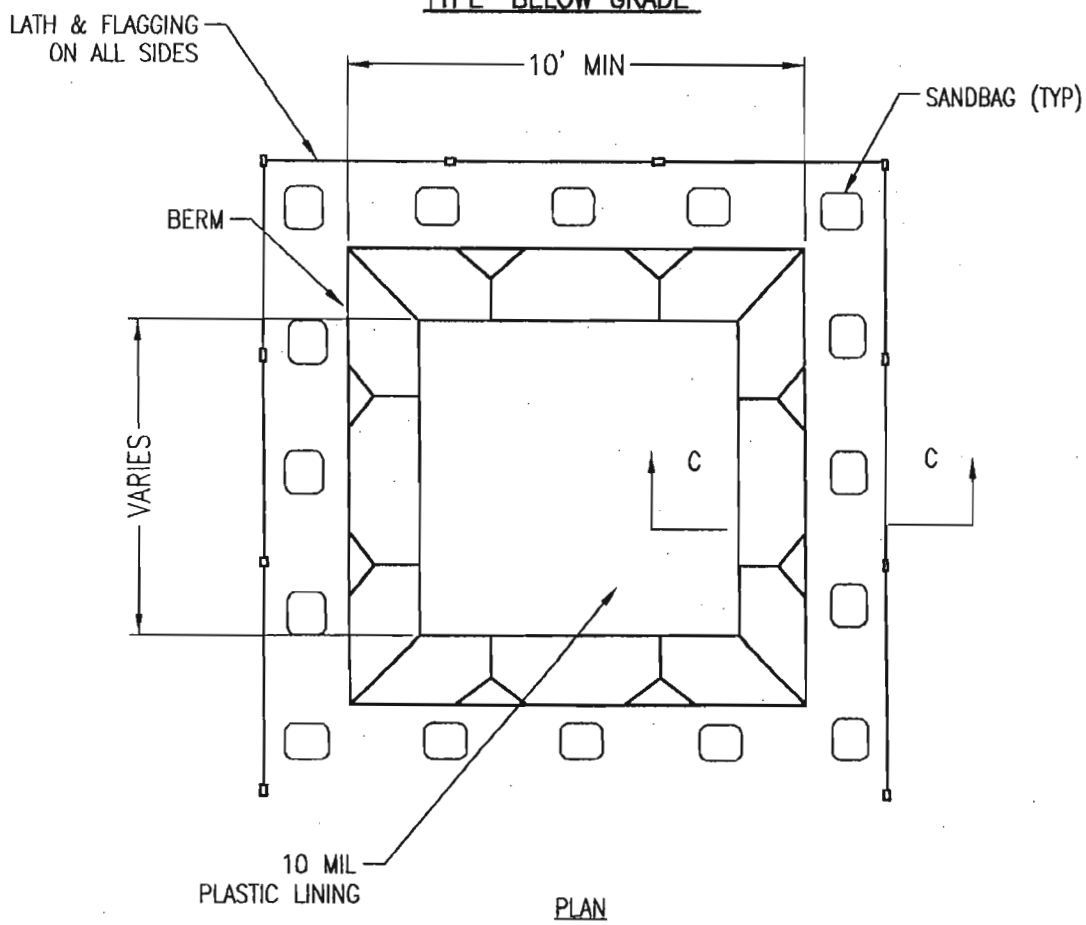
SECTION

JLL	10-15-05
SMB	10-20-05
NONE	
GD-05	

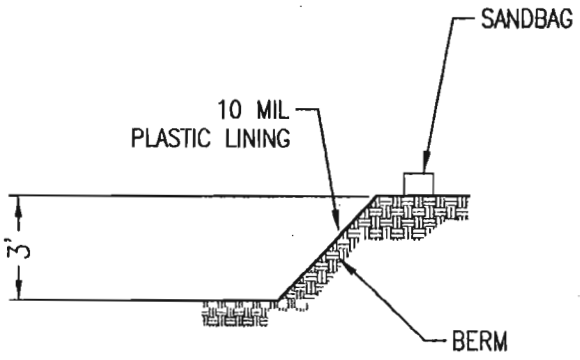
ROCK FILTER DAM DETAIL
PLAN AND ELEVATION VIEW

Erosion Control Services

TYPE "BELOW GRADE"



PLAN



SECTION C–C

JLL	10-15-05	CONCRETE WASHOUT DETAIL PLAN & ELEVATION VIEW	Erosion Control Services
SMB	10-20-05		
NONE			
GD-10			

MAP(S) / PLAN(S) SCANNED IN

SEPARATE FILE

MAP(S) / PLAN(S) SCANNED IN

SEPARATE FILE