

Stormwater Pollution Prevention Plan (SWPPP)

Springfield City Code Chapter 96, Article 3 requires that the Responsible Party, defined as the property owner or person authorized to act on the property owner's behalf, obtain a permit prior to commencing land disturbance activity.

FISK LIMOUSINE SERVICE

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SPRINGFIELD, MISSOURI

SWPPP Prepared For:

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Estimated Project Duration: 1 YEAR
SWPPP Preparation Date: 03/24/2025
Estimated Project Start Date: 10/15/25
Estimated Project Completion Date: 10/15/26

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SECTION 1: NATURE OF CONSTRUCTION ACTIVITY

Instructions:

- Describe the function of the project and estimate the total area expected to be disturbed by tree removal, excavation, grading, or other construction support activities, including, but not limited to, off-site borrow and fill areas.
- Provide a general description of the nature of the construction activities at your project.
- What is the size of the property (in acres), the total area expected to be disturbed by the construction activities (in acres), and the maximum area expected to be disturbed at any one time? Include the area needed for material production such as batch plants and storage of materials or piles.
- A general map (e.g., United States Geological Survey quadrangle map, a portion of a city or county map, or other map) with enough detail to identify the location of the construction site and waters of the state within one mile of the site.

General Description of Project

THE GENERAL LAND DISTURBANCE OF A VACANT TRACT OF LAND TO PREPARE FOR THE INSTALLATION OF A NEW FACILITY, PARKING AREA, AND UTILITIES.

Size of Construction Project

TOTAL ACREAGE OF PROPERTY: 6.00 ACRES

TOTAL ACREAGE TO BE DISTURBED BY ACTIVITY: 4.00 ACRES

TOTAL ACREAGE TO BE DISTURBED AT ONE TIME DURING EACH PHASE OF THE SITE (refer to phasing and stabilization section for more information): 4.00 ACRES

Public Improvement Project: INSERT PW NUMBER

- The site is associated with a Public Improvement Project.
- The Public Improvement is inside the area of disturbance.
- The Public Improvement is connected and continues outside of the area of disturbance.

Land Disturbance Permit Type:

- General (for full plan submittal of architectural and civil site improvements)
- Stand-alone (for land disturbance only)
- Phased submittal of Civil Site Improvements

1.1 Discharge Information

Instructions:

- Describe water resources found on or near the site.
- Describe the locations and methods (e.g. channel or sheet flow) of water leaving the site through all site outfalls.
- List the name of the first surface water that receives discharges from your site. If your site has discharges to multiple surface waters, indicate the names of all such waters.
- You may utilize the City of Springfield's GIS Viewer program found on the website. Under "Table of Contents," select the "Streams" layer.

General Description of Water Resources found on Site (e.g. streams and sinkholes) and Stormwater Outfalls (where the water leaves the site).

THERE ARE NO KNOWN SINKHOLES ON SITE. THE CURRENT STORMWATER OUTFALLS RUN INTO UNKNOWN TRIBUTARY.

List Receiving Waters

OUTFLOW FLOWS THROUGH UNKNOW TRIBUTARY.

Are the Receiving Waters within the watershed of Outstanding National or State Resource Water or in the watershed of a water impaired for sediment? (Note: The 303(d) list published in 2022 does not include impairments for sediment within any watershed regulated by the City of Springfield MS4.)

- Yes
- No

1.2 Construction Support Activities

Instructions:

- Will there be any construction support activities for the project (e.g., concrete or asphalt batch plants, equipment staging yards, material storage areas)?
- Describe how the support activities will be contained and stormwater runoff prevented.

Description of construction support activity and BMPs used to prevent runoff.

INSERT TEXT HERE AS PER INSTRUCTIONS

Support activity subcontractor:

COMPANY OR ORGANIZATION NAME _____

NAME _____

ADDRESS _____

ADDRESS _____

CELL PHONE NUMBER _____

OFFICE PHONE NUMBER _____

EMAIL _____

Location of construction support activity

INSERT ADDRESS HERE

[Repeat as necessary.]

SECTION 2: SWPPP TEAM CONTACT INFORMATION/RESPONSIBLE PARTIES

2.1 Property Owner: Notification, Certification & Delegation of Authority to Contractor

Instructions:

- The following certification statement must be signed and dated by the owner or legally authorized representative.
 - For a corporation, this could be a president, secretary, treasurer, or vice president, or any other person who performs similar policy or decision-making functions for the corporation.
 - For a partnership or sole proprietorship, this could be a general partner or the proprietor.
 - For a municipality, state, federal or other public agency, this could be a principal executive officer or ranking elected official.
- This certification must be re-signed in the event of a SWPPP Modification.

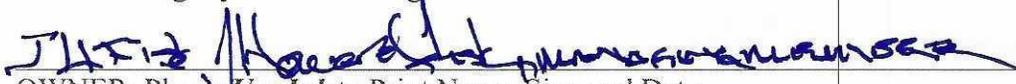
Property Owner/Permittee:

FISK PROPERTIES, LLC
BARRETT FISK, MANAGING MEMBER
PO BOX 10405
SPRINGFIELD, MO 65808-0405
417-773-3700

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

Submittal of the SWPPP and/or permit fee does not imply that the permit has been or will be authorized or issued. The permit fee will be adjusted according to the fee schedule if it's determined during the review process of the SWPPP that the area to be disturbed is more or less than that represented on the application.

I hereby certify that I am the legal owner of the property for which this permit is requested or his/her legally authorized agent.


OWNER: Please Use Ink to Print Name, Sign and Date 9.11.25

 **BARRETT FISK MANAGING MEMBER**
9-11-25

2.2 CONTRACTOR GIVEN AUTHORITY: NOTIFICATION & CERTIFICATION

Instructions:

- The designee is authorized if:
 - The authorization is made in writing by the individual making the designation.
 - The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as an operator, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company.
 - The signed and dated written authorization is included in the SWPPP.

Delegation of Authority

I, Fisk Properties by J. Howard + Jan Fisk (OWNER/PERMITTEE), hereby designate the person or specifically described position below to be a duly authorized representative for the purpose of overseeing compliance with environmental requirements, including the Missouri State Operating Permit, at (CONSTRUCTION SITE)
3601 E. Chestnut Expy, 65802

The designee is authorized to sign any reports, stormwater pollution prevention plans and all other documents required by the permit. This person will conduct inspections in accordance with the inspection schedule in Section 3.2

General Contractor:

Site Superintendent and/or designated Inspector #1 (makes decisions for corrective actions)

Name of person Barrett Fisk
Company Barrett Fisk Design Build LLC
Cell Phone 417-773-3700
Email barrett.fisk@gmail.com

[Repeat as needed for Contractor team.]

Delegation of Authority Continued

By signing this authorization, I confirm that I meet the requirements to make such a designation, and that the designee above meets the definition of a “duly authorized representative.”

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

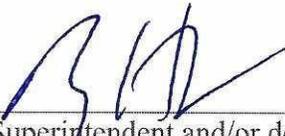
JAN FISK  9.11.25
OWNER: Please *Use Ink* to Print Name, Sign and Date

J. Fisk  9/11/25
CONTRACTOR NOTIFICATION OF
STORMWATER POLLUTION PREVENTION PLAN

While working at a permitted job-site, you are required to comply with the Stormwater Pollution Prevention Plan (SWPPP). Any person or group who violates any condition of the SWPPP may be subject to substantial penalties or loss of contract (if under a contractual agreement). You are encouraged to advise each of your employees working on this project of the requirements of the SWPPP. A copy of the SWPPP is on-site and shall be made available upon request.

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

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

 Barrett Fisk 9/11/25
Site Superintendent and/or designated Inspector #1
CONTRACTOR: Please *Use Ink* to Print Name, Sign and Date
[Repeat as needed for Contractor team.]

2.3 *Additional Contractors: Notification & Certification*

Instructions:

- List the additional contractors expected to work on-site. Notify contractors of stormwater requirements applicable to their work.
- “Subcontractor” refers to any person or company performing work on-site for completion of the project, not just entities under contractual agreement.
- Only contractors performing activities which could impact stormwater quality (working in the dirt) need to be listed.

ALL ADDITIONAL CONTRACTORS MUST SIGN THE CONTRACTOR AGREEMENT FOUND IN THE APPENDIX.

Additional Contractors: Demolition, Excavation, Dirt Work, ESC Contractor, Plumbing & Utilities must sign the Contractor Agreement found in the appendix.

COMPANY OR ORGANIZATION NAME _____

NAME _____

ADDRESS _____

ADDRESS _____

CELL PHONE NUMBER _____

OFFICE PHONE NUMBER _____

EMAIL _____

COMPANY OR ORGANIZATION NAME _____

NAME _____

ADDRESS _____

ADDRESS _____

CELL PHONE NUMBER _____

OFFICE PHONE NUMBER _____

EMAIL _____

COMPANY OR ORGANIZATION NAME _____

NAME _____

ADDRESS _____

ADDRESS _____

CELL PHONE NUMBER _____

OFFICE PHONE NUMBER _____

EMAIL _____

Contractor Agreement

CONTRACTOR NOTIFICATION OF STORMWATER POLLUTION PREVENTION PLAN

While working at a permitted jobsite, you are required to comply with the Stormwater Pollution Prevention Plan (SWPPP). Any person or group who violates any condition of the SWPPP may be subject to substantial penalties or loss of contract (if under a contractual agreement). You are encouraged to advise each of your employees working on this project of the requirements of the SWPPP. A copy of the SWPPP is on-site and shall be made available upon request.

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

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

CONTRACTOR: Please *Use Ink* to Print Name, Sign and Date

CONTRACTOR: Please *Use Ink* to Print Name, Sign and Date

CONTRACTOR: Please *Use Ink* to Print Name, Sign and Date

CONTRACTOR: Please *Use Ink* to Print Name, Sign and Date

CONTRACTOR: Please *Use Ink* to Print Name, Sign and Date

CONTRACTOR: Please *Use Ink* to Print Name, Sign and Date

SECTION 3: TRAINING, INSPECTION AND CORRECTIVE ACTION

3.1 Training

Instructions:

- The Responsible Party (Permittee or Designee) is required to complete regularly scheduled erosion and sediment control inspections. The State Operating Permit issued through the Missouri Department of Natural Resources (MDNR) requires that these inspections shall be conducted by a qualified person, one who is responsible for environmental matters on the site, or a person trained by and directly supervised by the person designated as the Environmental Lead at the site. The following website provides sources for educational webinars, conferences, professional networking, and formal certifications: <https://www.springfieldmo.gov/5875/Training-Outreach-Materials>.

3.2 Inspection Personnel and Procedures

Instructions:

- Describe the procedures you will follow for conducting inspections.
- Describe the procedures you will follow for corrective action.
- The person/people conducting inspections and corrective actions must be delegated as the people/person of authority.
- **Site Superintendent and/or designated Inspector are responsible for conducting inspections and corrective actions.**

Inspection Schedule:

Choice A

- **SELF INSPECTION FORM TO BE USED FOR THIS SITE IS IN THE APPENDIX.**
- Inspection will be done at least **once per 7 calendar days**. Inspections must also occur within 48 hours after any rain event equal to or greater than 3.74 inches (2-year, 24-hour storm) and has ceased during a normal work day and within 72 hours if the rain event ceases during a non-work day such as a weekend or holiday.

Choice B

- **SELF INSPECTION FORM TO BE USED FOR THIS SITE IS IN THE APPENDIX.**
Inspections shall be conducted once per 14 calendar days and within 24 hours of the occurrence of a storm event of 0.25 inches of precipitation or greater, or the occurrence of runoff from snowmelt. Additionally, an inspection shall be conducted within 24 hours of the event end, or within 72 hours if the rain event ceases during a non-workday (weekend or holiday). To determine inches of precipitation, the permittee shall keep a properly maintained rain gauge on site or obtain the storm event information from a nearby weather station, such as <http://www.123mc.com/> (Username: rain@springfieldmo.gov; Password: rainfall1).
 - Inspections are only required during project normal working hours. Areas on-site that have been finally stabilized must be inspected at least once per month.

Corrective Action Schedule to be used for choice A and B

Any structural or maintenance problems shall be noted in an inspection report and corrected within seven calendar days of the inspection. If weather conditions prevent correction of BMPs within 7 calendar days, the reasons for the delay must be documented (including pictures) and there must be a narrative explaining why the work cannot be accomplished within the 7-day time period. The documentation must be filed with the regular inspection reports, and the problem shall be corrected as soon as weather conditions allow. The responsible person must be notified by phone, text or email when stormwater runoff occurs.

Frozen Conditions

- If construction activities are suspended due to frozen conditions, the permittee may temporarily reduce site inspections to monthly until thawing conditions begin if all the following are met:
 - Land Disturbance has been suspended;
 - All disturbed areas have been stabilized with temporary BMPs; and
 - The inspection frequency change is noted within the SWPPP

SECTION 4: Best Management Practices (BMPs) for Pollution Control

General Instructions:

- Describe the erosion and sediment controls that will be installed and maintained at your site.
- BMPs shall be maintained and remain in effective operating condition during the entire duration of the project.
- **COMBINE ALL BMP DESIGNS WITH PHASING TABLES TOGETHER ON ONE LARGE DETAIL PLAN SHEET AND INCLUDE THEM ON THE EROSION CONTROL SITE PLANS.**
- Ensure the design, installation and maintenance of effective erosion, sediment and chemical controls to minimize the discharge of pollutants. At a minimum, such controls shall be designed, installed and maintained to:
 - Control storm water volume, velocity, and peak flow rates within the site to minimize soil erosion;
 - Control storm water discharges, including both peak flow rates and total storm water volume, to minimize erosion at outlets and to minimize downstream channel and streambank erosion and scour;
 - Minimize the amount of soil exposed during construction activity;
 - Minimize the disturbance of steep slopes;
 - Minimize sediment discharges from the site. Address factors such as the amount, frequency, intensity and duration of precipitation, the nature of resulting storm water runoff, expected flow from impervious surfaces, slopes, and drainage features, and soil characteristics, including the range of soil particle sizes expected to be present on the site;
 - Provide and maintain natural buffers around surface waters of the state as detailed in Section 4.2, direct storm water to vegetated areas to increase sediment removal and maximize storm water infiltration and filtering, unless infeasible;
 - Minimize soil compaction and preserve topsoil where practicable; and
 - Capture or treat a 2-year, 24-hour storm event.

BMP Details and Design Narratives:

BMP DESIGN DETAIL, DESCRIPTION AND NARRATIVE NOTES ARE PROVIDED ON EROSION SEDIMENT CONTROL DETAIL SHEET AND LISTED ON PHASING PLAN. ALL BMPs ARE SHOWN ON EROSION CONTROL PLAN.

BMP Notes shall address the following:

- BMP Type
- Physical Description
- Site Conditions that must be met for effective use of the BMP
- BMP Installation and Construction Procedures, including typical drawings
- Operation and Maintenance Procedures
- Whether the BMP is Temporary or Permanent
- Site Conditions that must be met before removal of the BMP if it is not a permanent BMP.

THE CITY OF SPRINGFIELD'S BMP DETAILS ARE DESIGNED TO PROVIDE ALL NECESSARY NARRATIVE INFORMATION IN THE BMP NOTES. THESE DETAILS ARE AVAILABLE ONLINE HERE:

<https://www.springfieldmo.gov/5874/Best-Management-Practices>.

4.1 Phasing of Construction Activities

Instructions:

- Describe the intended sequence and timing of activities that disturb soils at the site. For each phase of construction, include the following information:
 - Installation of structural or non-structural Best Management Practices (BMPs);
 - Beginning and duration of earth-disturbing activities, including clearing and grubbing, demolition, mass grading, site preparation (i.e., excavating, cutting and filling), final grading, and creation of soil and vegetation stockpiles requiring stabilization;
 - Cessation, temporarily or permanently, of construction activities on the site, or in designated portions of the site;
 - Final or temporary stabilization of areas of exposed soil. The dates for stabilization must reflect applicable deadlines;
 - Make sure that the phases for installation of each BMP are consistent with installation sequencing;
 - The number of phases should be determined by the SWPPP Preparer as appropriate for the site; and
 - **COMBINE ALL TYPICAL BMP DESIGN DETAILS WITH PHASING TABLE ON ESC DETAIL PLAN SHEET.**

Example of BMP Phasing Table to be printed on ESC Plan Details Sheet:

PROJECT STAGE	EROSION CONTROL BMP REFERENCE NUMBER	BMP DESCRIPTION	Date Installed	Date Removed
A- PRE-CONSTRUCTION	A1	LDP SITE SIGN DISPLAYED, SWPPP AVAILABLE		
	A2	EQUIPMENT AND MATERIAL YARDS DETERMINED		
	A3	LOCATION OF PORTABLE TOILET AND TRASH DUMPSTER DETERMINED		
	A4	CONSTRUCTION EXIT		
	A5	INLET PROTECTION FOR EXISTING INLETS		
	A6	COMPOST FILTER SOCK		
B – CLEARING AND MASS GRADING	B1	DUST CONTROL		
	B2	TEMPORARY SEEDING		
	B3	STOCKPILE PROTECTION		
D – BUILDING CONSTRUCTION	C1	CONCRETE WASH-OUT PIT		
	C2	INLET PROTECTION FOR NEW INLETS		
	C3	TRASH DUMPSTER UTILIZED ACCORDINGLY		
E – FINAL STABILIZATION	D1	SOD / SEED / STRAW		
	D2	EROSION CONTROL PRODUCT		

4.2 Natural Buffers for Surface Waters

Instructions:

- (For surface waters of the state, defined in Section 644.016.1(27) RSMo, located on or adjacent to the site, the permittee must maintain a riparian buffer or structural equivalent in accordance with at least one of the following options. The selection and location must be described in the SWPPP.
 - a) Provide and maintain a 50-foot undisturbed natural buffer; or
 - b) Provide and maintain an undisturbed natural buffer that is less than 50 feet and is supplemented by erosion and sediment controls that achieve the sediment load reduction equivalent to a 50-foot undisturbed natural buffer; or
 - c) If infeasible to provide and maintain an undisturbed natural buffer of any size, implement erosion and sediment controls to achieve the sediment load reduction equivalent to a 50-foot undisturbed natural buffer.
 - d) The permittee is not required to comply with (a), (b), or (c) above if one or more of the following exceptions apply and documentation is provided in the SWPPP:
 - 1) If there is no discharge of stormwater to waters of the state through the area between the disturbed portions of the site and waters of the state located within 50 feet of the site. This includes situations where the permittee has implemented permanent control measures that will prevent such discharges, such as a berm or other barrier.
 - 2) Where no natural buffer exists due to preexisting development disturbances that occurred prior to the initiation of planning for the current development of the site.
 - Where some natural buffer exists but portions of the area within 50 feet of the waters of the state are occupied by preexisting development disturbances the permittee is required to comply with (a), (b), or (c) above.
 - 3) For linear projects where site constraints make it infeasible to implement a buffer or equivalent provided the permittee limit disturbances within 50 feet of any waters of the state and/or the permittee provides supplemental erosion and sediment controls to treat stormwater discharges from earth disturbances within 50 feet of the water of the state. The permittee must also document in the SWPPP the rationale for why it is infeasible for the permittee to implement (a), (b), or (c) and describe any buffer width retained and supplemental BMPs installed.
 - e) Where the permittee is retaining a buffer of any size, the buffer should be measured perpendicularly from any of the following points, whichever is further landward from the water:
 - 1) The ordinary high-water mark of the water body, defined as the line on the shore established by fluctuations of water and indicated by physical characteristics such as a clear, natural line impressed on the bank, shelving, changes in the character of soil, destruction of terrestrial vegetation, and/or the presence of litter and debris; or
 - 2) The edge of the stream or riverbank, bluff, or cliff, whichever is applicable.
- If Buffer disturbances are authorized as part of in-stream work under a US Army Corps Engineers (USACE) Clean Water Act (WCA) Section 404 permit, no further documentation is required for Section 4.1 of the Template. Attach CWA Section 404 Permit. This exception only applies to the limits of disturbance authorized under the Section 404 permit, and does not apply to any upland portion of the construction project.
- Indicate the boundaries of the preserved buffer on site map.

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

- No (If no, no further documentation is required for the SWPPP Template.)
- Yes, I will provide and maintain a 50-foot undisturbed natural buffer as per ESC plan.
- Yes, buffer will be less than 50-foot supplemented by erosion and sediment controls that achieve the sediment load reduction equivalent to 50-foot undisturbed natural buffer.
- Yes, however I will NOT provide and maintain an undisturbed natural buffer of any size.
- INSERT RATIONALE FOR CONCLUDING THAT IT IS INFEASIBLE TO PROVIDE AND MAINTAIN A NATURAL BUFFER OF ANY SIZE
- Yes, however buffer disturbances are authorized as part of in-stream work under an Army Corps Section 404 permit found in Appendix.

- INSERT DESCRIPTION OF ANY EARTH DISTURBANCES THAT WILL OCCUR WITHIN THE BUFFER AREA

Yes and buffer disturbances will occur for the construction of a water-dependent structure or water access area (e.g., pier, boat ramp, and trail).

- INSERT DESCRIPTION OF ANY EARTH DISTURBANCES THAT WILL OCCUR WITHIN THE BUFFER AREA

4.3 Tree and Vegetation Preservation

Instructions:

- The SWPPP shall require existing vegetation and trees to be preserved where practical.
- Indicate all trees and vegetated areas that will be preserved on your site map or on a separate tree preservation plan

Will any areas of existing vegetation other than for surface water buffers be preserved during construction?

YES, this project will practice preservation of existing vegetation as a non-structural BMP.

NO, existing vegetation will not be preserved.

All trees and vegetation will be preserved and protected within the stream buffer area as noted on the landscape plan. All trees and vegetation north of the stream buffer (approx. 2 acres) will be preserved and left in their natural state as a buffer to the residential neighbors. The old growth sycamore trees on the east property line will all be preserved. Only a couple of Bradford Pear type trees exist within the disturbed area that will require removal.

Check box if section is NOT applicable.

INSERT RATIONALE FOR CONCLUDING THAT IT IS IMPRACTICAL TO PRESERVE TREES.

Best Management Practice Applicable: <https://www.springfieldmo.gov/5874/Best-Management-Practices>

BMP DESIGN DETAIL, DESCRIPTION AND NARATIVE NOTES ARE PROVIDED ON EROSION SEDIMENT CONTROL DETAIL SHEET AND LISTED ON PHASING PLAN. ALL BMPS ARE SHOWN ON EROSION CONTROL PLAN.

4.4 Perimeter Controls

Instructions:

- Describe sediment controls used along any perimeter areas of the site that are downgradient from any exposed soil or other disturbed areas.

Check box if section is NOT applicable.

Best Management Practice Applicable: 12" SILT SOCK

- BMP DESIGN DETAIL IS PROVIDED ON EROSION CONTROL PLAN IN APPENDIX E.
- INSTALLATION IS TO BE AS CALLED OUT ON THE EROSION CONTROL PLAN, INSTALL PERIMETER CONTROLS IN PRE-CONSTRUCTION PHASE AND REMOVE AT THE COMPLETION OF THE PROJECT.

4.5 Sediment Track-Out

Instructions:

-
- Restrict vehicle traffic to designated exit points
- Use additional controls to remove sediment from vehicle and equipment tires prior to exit from facility where necessary.
- Any sediment or debris that is tracked out past the exit pad or is deposited on a roadway after a precipitation event shall be removed the shorter of either daily or before a rain event.
- Describe how track-out will be removed (sweeping, shoveling, vacuuming, or other similarly effective means).
- Explain how removed track-out will be disposed of (note: shall not be disposed of into any stormwater conveyance,

storm drain inlet, or water of the state).

- Stormwater inlets susceptible to receiving track-out or other pollutants shall have curb inlet protection. This may include inlets off the active area where track-out could impact the stormwater runoff to those inlets.

Check box if section is NOT applicable.

Best Management Practice Applicable: CONSTRUCTION ENTRANCE / EXIT

- BMP DESIGN DETAIL IS PROVIDED ON EROSION CONTROL PLAN IN APPENDIX E.
- SEE PLAN DETAILS FOR INSTALLATION.
- INSTALL IN PRE-CONSTRUCTION PHASE AND REMOVE AT THE COMPLETION OF THE PROJECT.

4.6 Soil, Materials and Borrow/Fill sites

Instructions:

- Piles shall be located outside of any designated natural buffer zone and away from any stormwater conveyance, drain inlets, and areas where stormwater flow is concentrated.
- Stormwater runoff shall be prevented from eroding stockpiles, and a sediment barrier shall be installed at the downgradient of any stockpile.
- Stockpiles left unused for 14 days or more shall be protected with an appropriate temporary stabilization method.
- Describe how topsoil will be preserved where practicable and identify these areas and control measures on your site map(s).
- Indicate if a borrow/fill site will be used for the project and provide information of permitted or non-permitted site.

Check box if section is NOT applicable.

Borrow/fill sites (excavated material disposal areas, borrow areas)

Excess soil will be disposed of:

- On-site
- Off-site area is covered under this project's permit numbers and will be stabilized following construction per the stabilization plan.
- Off-site area will not be stabilized following construction, a separate permit is needed.

Additional fill soil will be obtained from:

Off-site

Best Management Practice Applicable: STOCKPILE PROTECTION

- INSTALLATION SHOULD OCCUR WHEN STOCKPILE IS GENERATED, DEPENDENT UPON INTENDED USE.
- INSPECT EVERY WEEK AND WITHIN 48 HOURS AFTER EVERY RAIN EVENT THAT CAUSES STORMWATER RUNOFF TO OCCUR ON-SITE.

Borrow/Fill site

City LDP# _____

State Permit # _____

COMPANY OR ORGANIZATION NAME _____

ADDRESS _____

CELL PHONE NUMBER _____

EMAIL _____

Disposal site

City LDP# _____

State Permit # _____

COMPANY OR ORGANIZATION NAME _____

ADDRESS _____

CELL PHONE NUMBER _____

EMAIL _____

4.7 Minimization of Dust

Instructions:

- Describe controls and procedures you will use at your project/site to minimize the generation of dust.

Check box if section is NOT applicable.

Best Management Practice Applicable: DUST (WIND EROSION) CONTROL

- BMP DESIGN DETAIL IS PROVIDED ON EROSION CONTROL PLAN IS APPENDIX E.
- UTILIZED DURING ALL PHASES WHERE DUST CONTROL IS WARRANTED.

4.8 Minimization of Disturbance of Steep Slopes

Instructions:

- Describe how you will minimize the disturbance of steep slopes.
- Describe controls (e.g., erosion control blankets, tackifiers), including design, installation and maintenance specifications, that will be implemented to minimize sediment discharges from slope disturbances.

Check box if section is NOT applicable.

4.9 Stormwater Control Measures

Instructions:

- Describe BMPs to protect detention/water quality stormwater control measures (pervious pavement, bioretention, underground detention) from sediment impacts during construction.

Check box if section is NOT applicable.

Best Management Practice Applicable: TURF REINFORCEMENT MAT

- THE TYPE OF TRM SHOWN ON THE PLANS SHOULD BE INSTALLED IMMEDIATELY AFTER COMPLETION OF PHASING OF GRADING AND/OR SEEDING.
- FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION.
- TRMS ARE TO BE LEFT IN PLACE PERMANENTLY.

4.10 Storm Drain Inlets

Instructions:

- Describe controls that will be implemented to protect all inlets that will receive stormwater from your construction activities and that you have authority to access.

Check box if section is *NOT* applicable.

Best Management Practice Applicable: [COMPOST FILTER SOCK](#)

- **INSTALL COMPOST FILTER SOCK AROUND ALL PROPOSED AND EXISTING INLETS.**
- **SILT SOCK PROTECTION SHOULD BE USED DURING INITIAL CONSTRUCTION UNTIL PERMANENT VEGETATION IS ESTABLISHED. PERIMETER SOCK IS TO REMAIN THROUGH THE BUILDOUT OF SITE.**

4.11 Constructed Stormwater Conveyance Channels

Instructions:

- If you will be installing a stormwater conveyance channel, describe control practices (e.g. velocity dissipation devices) that will be implemented at the construction site.

Check box if section is *NOT* applicable

4.12 Sediment Basins and Sediment Traps

Instructions:

- A sedimentation basin will be provided for each drainage area with 10 or more acres disturbed at one time. The basin shall be sized to treat a local 2-year, 24-hour storm. Include design specifications for each basin including volume, dimensions and outlet structure.
- Sediment basins must also utilize outlet structures that withdraw water from the surface unless infeasible.
- Temporary and permanent sedimentation basins must have a stabilized spillway to minimize the potential for erosion of the spillway or basin embankment.
 - Discharges from the basin shall not cause scouring of the banks or bottom of the receiving stream.
- Accumulated sediment shall be removed from the basin when the basin is 25% full. The basin shall be maintained until final stabilization of the disturbed area served by the basin.
- If use of a sediment basin is impractical, similarly effective BMPs must be chosen and employed to control erosion and sediment delivery. These similarly effective BMPs must provide equivalent water quality protection.
- Sediment traps are smaller and do not require a temporary outfall structure. However, a dewatering plan may be required to empty traps, such as a pump with filtering BMP.
- Prevent discharges to the receiving stream which could cause sediment plumes or cloudiness.
- Any basin dewatering shall be inspected daily when discharge is occurring; and if the receiving stream is being impacted dewatering shall cease immediately. These inspections shall be noted on a log or within the inspection report. A dewatering log template can be found in Section 4.15.

Check box if section is *NOT* applicable

4.13 Treatment Chemicals and Flocculants

Instructions:

- Provide details below if you are using treatment chemicals (polymers, flocculants, etc.) at your site.

Check box if section is NOT applicable.

Treatment Chemicals

- List all treatment chemicals that will be used at the site
- Describe the dosage of all treatment chemicals you will use at the site or the methodology you will use to determine dosage
- Provide information from any applicable Material Safety Data Sheets (MSDS)
- Describe how each of the chemicals will be stored

Schematic Drawings of Stormwater Controls/Chemical Treatment Systems

- Provide schematic drawings of any chemically enhanced stormwater controls or chemical treatment systems to be used for application of treatment chemicals: INSERT TEXT HERE

Training

- Describe the training that personnel who handle and apply chemicals have received prior to permit coverage, or will receive prior to the use of treatment chemicals: INSERT TEXT HERE

4.14 Allowable Non-Stormwater Discharges

Instructions:

- Identify all allowable sources of non-stormwater discharges including:
 - Water only (i.e., without detergents or additives) rinsing of streets and buildings; and
 - Site watering to establish vegetation.

Check box if section is NOT applicable.

- Fire hydrant flushing
- Landscape irrigation
- Potable water including uncontaminated water line flushing
- Routine external building wash off waters
- Pavement wash off waters through a BMP

4.15 Dewatering Practices and Water Diversions

Instructions:

- If you will be discharging water that is removed from excavations, trenches, foundations, vaults, or other similar points

of accumulation, include design specifications and details of all dewatering practices.

- List specific BMPs designed to treat water pumped from trenches and excavations and in NO CASE shall this water be pumped off-site without being treated by the specific BMP.
- When working within a waterway, it may be necessary to divert water around the job site using a berm, pipe, or pump structure. This is an ideal BMP as it keeps the work area dry and water is not exposed to sediment.
- Any basin dewatering shall be inspected daily when discharge is occurring. The discharge shall be observed and dewatering activities shall be ceased immediately if the receiving stream is being impacted. These inspections shall be noted on a log or on the inspection report.

Check box if section is NOT applicable.

Best Management Practice Applicable: <https://www.springfieldmo.gov/5874/Best-Management-Practices>

- THE NEED FOR DEWATERING IS NOT ANTICIPATED FOR THIS PROJECT. HOWEVER, IN THE EVENT THAT DEWATERING IS NEEDED, INFORMATION IS PROVIDED IN THE LINK ABOVE.
- DEWATERING SHALL BE APPLIED WHEN WATER IS FOUND SEEPING INTO TRENCHES OR DURING PAVEMENT CONSTRUCTION (USUALLY DUE TO THE WATER TABLE) WHICH CAN THEN BE DISCHARGED AT SOME POINT, POSSIBLE CARRYING HARMFUL CONTAMINANTS DOWNSTREAM.
- IN THE EVENT THAT DEWATERING IS NEEDED, WATER WILL BE DIRECTED TO THE DETENTION BASIN. DEWATERING SHOULD TAKE PLACE SUCH THAT WATER IS DIRECTED INTO THE BASIN, BUT MUST FIRST RUN THROUGH A DEWATERING BAG TO COLLECT SEDIMENTS.

4.16 Wash Water (Paving, Concrete, Stucco, Paint and Equipment/Vehicle)

Instructions:

- Describe how you will minimize the discharge of pollutants from wash waters and process water associated with paint, concrete and mortar activities.
- Describe equipment/vehicle rinsing practices that will be used to minimize the discharge of pollutants from equipment and vehicle rinsing. No detergents, additives, or soaps of any kind shall be used. Rinse waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge.
- Locate concrete washout facilities a minimum of 50 feet from waters of the state, stormwater inlets and/or stormwater conveyances. Wash water shall be directed into a leak-proof washout and disposed of once 75% capacity is reached.

Check box if section is NOT applicable.

Paving Operations- Sediment, Oils & Grease, Trash, Debris, Solids

Concrete Wash-Out and Cement Waste- Heavy Metals, pH (acids and bases), Trash, Debris, Solids

Structure Construction, Stucco, Painting and Cleaning- Heavy Metals, pH (acids and bases), Trash, Debris, Solids, Toxic Chemicals

Equipment/Vehicle Rinsing- Sediment, Heavy Metals, pH (acids and bases), Oils & Grease, Trash, Debris, Solids, Toxic Chemicals

Best Management Practice Applicable: [CONCRETE WASHOUT & STREET CLEANING](#)

- PRACTICE STREET SWEEPING.
- MINIMIZE EXPOSURE TO ANY MATERIALS THAT MIGHT CONTRIBUTE POLLUTION TO GROUND WATER. WASH WATERS MUST BE TREATED IN A BASIN OR OTHER CONTROL THAT PROVIDES TREATMENT OF WASH WATER PRIOR TO DISCHARGE.
- ENSURE THAT WASHING TAKES PLACE IN A PROTECTED AREA WHERE RUNOFF WATER WILL DRAIN THROUGH NEARBY PERIMETER CONTROL, THUS CATCHING ANY POTENTIAL POLLUTANTS AS THE WATER PASSES THROUGH.

- STREET SWEEPING SHOULD BE PRACTICED AS REQUIRED, DETERMIND BY SURFACE CONDITION ON THE ROADWAYS.
- OTHER BMP'S SHOULD BE PRACTICED AS REQUIRED, DEPENDION ON WHEN WASH WATERS ARE PRESENT.

4.17 Fuel, Oil, and Petroleum Products (Equipment and Vehicles)

Instructions:

- All fueling will adhere to applicable federal and state regulations concerning underground storage, above ground storage and dispensing.
- Describe how you will minimize the discharge of pollutants from fuel, oil, and petroleum products associated with equipment and vehicles.
- Describe fueling, storage and mechanic practices that will be used to minimize the discharge of pollutants (e.g. locating activities away from surface waters and stormwater inlets or conveyances, containing activities with plastic liners, using filtration devices such as filter bags or sand filters, or using other similarly effective controls).
- Implement chemical spill and leak prevention and response procedures. These procedures include but are not limited to maintenance of spill kits, installation of containment berms, and use of drip pans at petroleum product and liquid storage tanks and containers.

Check box if section is not applicable.

Fueling- pH (acids and bases), Oils & Grease, Toxic Chemicals

Equipment Maintenance- Sediment, Nutrients, Heavy Metals, pH (acids and bases), Pesticides/Herbicides, Oils & Grease, Trash, Debris, Solids, Toxic Chemicals

Other Toxic Chemicals- [DESCRIBE HERE](#)

Best Management Practice Applicable: <https://www.springfieldmo.gov/5874/Best-Management-Practices>

BMP DESIGN DETAIL, DESCRIPTION AND NARATIVE NOTES ARE PROVIDED ON EROSION SEDIMENT CONTROL DETAIL SHEET AND LISTED ON PHASING PLAN. ALL BMPS ARE SHOWN ON EROSION CONTROL PLAN.

- Fuel, oil, and other petroleum products will not be stored below the ordinary high water mark at any time or in the adjacent floodway beyond normal working hours. All fueling facilities present on the site shall adhere to applicable federal and state regulations concerning underground storage, above ground storage, and dispensers. All fuel, oil, and other fluids exposed to precipitation shall be stored in watertight, structurally sound, closed containers.
- Minimize the discharge of fluids from spills and leaks by implementing chemical spill and leak prevention and response procedures, including, but not limited to, installation of containment berms and use of drip pans.
- Machinery will be kept out of the waterway as much as possible.
- No fueling, servicing, maintenance or repair of equipment or machinery should be done within 100 feet of a stream, or within 150 feet of a classified stream, losing stream, or sinkhole.
- Tarps or drop cloths and drip pads should be used when servicing, repairing, or performing maintenance on construction equipment in the field.
- When work is complete, the contaminated materials should be disposed of appropriately.
- **REFUELING OPERATIONS AND VEHICLE/EQUIPMENT MAINTENANCE SHALL BE PERFORMED AT DESIGNATED FACILITIES, WHEN PRACTICAL.**
- **IF ANY STORAGE OF FUEL IS REQUIRED FOR VEHICLES OR EQUIPMENT, IT WILL BE LOCATED IN SECONDARY CONTAINMENT, WITHIN DESIGNATED STORAGE/LAY DOWN AREAS. FUEL CONTAINERS WILL BE MANAGED TO PREVENT RELEASES, AND STORAGE AREA WILL BE SHELTERED FROM PRECIPITATION, WHEN PRACTICAL.**
- **DRIP PANS AND OR OTHER CONTAINMENT DEVICES WILL BE USED DURING MAINTENANCE AND FUELING TO CAPTURE MINOR SPILLS AND LEAKS DURING FUELING AND MAINTENANCE.**

- EACH LOCATION HAVING FUELING OPERATIONS, FUEL CONTAINERS/TANKS, AND/OR WASTE CONTAINER/TANKS SHALL HAVE A SUFFICIENT NUMBER OF SPILL KITS TO CONTAIN MINOR SPILLS AND LEAKS.
- PETROLEUM PRODUCTS SPILLED SHOULD BE IMMEDIATELY CLEANED UP AND DISPOSED OF PROPERLY. ANY SUCH SPILLS OR PETROLEUM OR OTHER CHEMICALS ARE TO BE REPORTED AS SOON AS POSSIBLE TO THE MISSOURI DEPARTMENT OF NATURAL RESOURCES. CALL THE SOUTHWEST REGIONAL OFFICE AT (417) 891-4300 OR THE DEPARTMENT'S 24-HOUR ENVIRONMENTAL EMERGENCY RESPONSE NUMBER AT (573) 634-2436.
- IN MISSOURI, STATE LAW REQUIRES THE RESPONSIBLE PARTY TO REPORT PETROLEUM PRODUCT RELEASES GREATER THAN 50 GALLONS TO THE MISSOURI DEPARTMENT OF NATURAL RESOURCES AT THE EARLIEST PRACTICAL MOMENT AFTER DISCOVERY. IF THE RELEASE IS FROM AN UNDERGROUND STORAGE TANK, OR UST, OR PIPING, THE REPORTABLE QUANTITY IS 25 GALLONS OR MORE. REPORTS ARE ALSO REQUIRED FOR ABOVE GROUND STORAGE TANKS, OR AST, THAT HAVE RELEASED 50 GALLONS OR GREATER. FURTHER, FEDERAL LAW REQUIRES THE RESPONSIBLE PARTY TO REPORT ANY RELEASE OF OIL IF THE OIL REACHES OR THREATENS ANY WATERWAY.

Installation:

- IMPLEMENTED AS NECESSARY DEPENDING UPON CONSTRUCTION SCHEDULE.

4.18 Chemical Storage, Handling and Spill Response

Instructions:

- All chemicals will adhere to applicable federal and state regulations concerning storage and dispensing.
- Describe how you will minimize the discharge of pollutants from chemicals associated with construction activities.
- Describe storage and dispensing practices that will be used to minimize the discharge of pollutants (e.g. locating activities away from surface waters and stormwater inlets or conveyances, containing activities with plastic liners, using filtration devices such as filter bags or sand filters, or using other similarly effective controls).
- Describe the spill response plan for minor and major spills over 25 gallons.
- Implement chemical spill and leak prevention and response procedures. These procedures include but are not limited to maintenance of spill kits, installation of containment berms, and use of drip pans and liquid storage tanks and containers.

Check box if section is not applicable.

Material/Chemical Delivery and Storage- Sediment, Nutrients, Heavy Metals, pH (acids and bases), Oils & Grease, Trash, Debris, Solids, Toxic Chemicals

Material/Chemical Use During Building Process- Nutrients, Heavy Metals, pH (acids and bases), Oils & Grease, Trash, Debris, Solids, Toxic Chemicals

Other Polluting Material/Chemical Used During Construction Process- DESCRIBE HERE

Best Management Practice Applicable: <https://www.springfieldmo.gov/5874/Best-Management-Practices>

**BMP DESIGN DETAIL, DESCRIPTION AND NARATIVE NOTES ARE PROVIDED ON EROSION
SEDIMENT CONTROL DETAIL SHEET AND LISTED ON PHASING PLAN. ALL BMPS ARE SHOWN ON
EROSION CONTROL PLAN.**

- Location and contents of spill kit will be printed on Site Sign. Spill kit on-site will be kept with equipment necessary for spill clean-up. Equipment and materials include, but are not limited to: brooms, dust pans, mops, rags, gloves, goggles, kitty litter, sawdust, and trash containers.
- Missouri, state law will be followed. It requires the responsible party to report releases greater than 50 gallons to the Missouri Department of Natural Resources at the earliest practical moment after discovery. If the release is from an underground storage tank, or UST, or piping, the reportable quantity is 25 gallons or more. Reports are also required for above ground storage tanks, or AST, that have released 50 gallons or greater. Further, federal law requires the responsible party to report any release of oil if the oil reaches or threatens any waterway. Any such spills or petroleum or other chemicals are to be reported as soon as possible to the Missouri Department of Natural Resources. Call the Southwest Regional Office at (417) 891-4300 or the Department's 24-hour Environmental Emergency Response number at (573) 634-2436
- Hazardous wastes shall comply with Missouri Hazardous Waste Laws and Regulations. For guidance, contact 1-800-361-4827
- Post guidelines for proper handling, storage and disposal of materials, and emergency spill cleanup on site.
- An accurate, up-to-date inventory of materials delivered and stored on-site will be kept.
- Retain original labels and material safety data sheets.
- All paint, solvents, petroleum products, petroleum waste products and storage containers such as drums, cans, or cartons shall be stored using best management practices.
 - The materials exposed to precipitation shall be stored in watertight, structurally sound, closed containers.
 - All containers shall be inspected for leaks or spillage during the inspection of BMPs.
- Materials exposed to precipitation shall be stored in watertight, structurally sound, closed containers with proper labels.
- Store bagged and boxed materials on pallets.
- Cover bagged and boxed materials during non-working days and prior to rain events.
- Incompatible materials, such as ammonia and chlorine, must not be stored in the same temporary containment facility.
- Containers for proper disposal of waste paints, solvents, and cleaning compounds shall be provided.
- **IN THE EVENT OF A SPILL, THE FOLLOWING ARE GENERAL PROCEDURES FOR SPILL RESPONSE:**
ENSURE PERSONAL SAFETY, AND THEN EVALUATE THE AREA AND NATURE OF THE SPILL.
IDENTIFY THE SOURCE AND STOP THE FLOW OF POLLUTANTS, IF IT CAN BE DONE SAFELY.
CONTAIN THE SPILL WITH ABSORBENT MATERIALS OR BY CREATING A BERM AROUND THE AREA.
REMOVE AND CONTAIN THE SPILLED MATERIAL, CONTAMINATED MEDIA, AND CLEANUP MATERIAL, AND TRANSPORT TO THE DESIGNATED LOCATION FOR COLLECTION OF SUCH MATERIAL.
CONTACT THE APPROPRIATE PERSONNEL LISTED IN THE SPILL RESPONSE PLAN.
- **SPILL KIT LOCATION WILL BE ESTABLISHED IN THE FIELD BY THE CONTRACTOR.**

Installation:

- **PLACED DURING PHASE 1 BEFORE THE MAJORITY OF CONSTRUCTION ACTIVITIES BEGIN.**
-

4.19 Pesticides, Herbicides, Insecticides, Fertilizers, and Landscape Materials

Instructions:

- Exposure of these chemicals to precipitation and stormwater on-site should be minimized.

- Implement chemical spill and leak prevention and response procedures. These procedures include but are not limited to maintenance of spill kits, installation of containment berms, and use of drip pans at petroleum product and liquid storage tanks and containers.

Check box if section is not applicable.

- Chemical Use During Landscaping Operations- Sediment , Nutrients, Pesticides, Herbicides, Insecticides, Fertilizers, Trash, Debris, Solids, Toxic Chemicals
- Material/Chemical Delivery and Storage- Sediment, Nutrients, Heavy Metals, pH (acids and bases), Oils & Grease, Trash, Debris, Solids, Toxic Chemicals
- Other Polluting Chemicals Used During Landscaping Process- [DESCRIBE HERE](#)

Best Management Practice Applicable: <https://www.springfieldmo.gov/5874/Best-Management-Practices>
**BMP DESIGN DETAIL, DESCRIPTION AND NARATIVE NOTES ARE PROVIDED ON EROSION
SEDIMENT CONTROL DETAIL SHEET AND LISTED ON PHASING PLAN. ALL BMPS ARE SHOWN ON
EROSION CONTROL PLAN.**

- Hazardous wastes shall comply with Missouri Hazardous Waste Laws and Regulations. For guidance, contact 1-800-361-4827
- An accurate, up-to-date inventory of materials delivered and stored on-site will be kept.
- Retain original labels and material safety data sheets.
- Products and storage containers such as drums, cans, or cartons shall be stored using best management practices.
- Materials exposed to precipitation shall be stored in watertight, structurally sound, closed containers with proper labels.
- Store bagged and boxed materials on pallets.
- Cover bagged and boxed materials during non-working days and prior to rain events.
- Incompatible materials, such as ammonia and chlorine, must not be stored in the same temporary containment facility.
- Containers for proper disposal of waste shall be provided.
- **ALL MATERIALS LISTED IN THIS SECTION MUST BE CAREFULLY HANDLED, SUCH THAT NO LONG TERM STORAGE OF MATERIAL WILL OCCUR PRIOR TO USE. CONTAINERS SHALL BE PROPERLY DISPOSED OF OFF-SITE. TOILETS WILL BE KEPT CLEAN BY A CONTRACT SERVICE. SPILLAGE OF ANY MATERIAL SHALL BE CONTROLLED AND CLEANED.**

Installation:

- **PRACTICED WHERE REQUIRED DURING CONSTRUCTION.**

4.20 Waste Management (Trash and Recycling Dumpster, Portable Toilet)

Instructions:

- Describe how you will control the pollutants from solid waste and sanitary waste.
 1. Examples include packaging materials, scrap construction materials, masonry products, timber, pipe, and electrical cuttings, plastics, Styrofoam, concrete, and other trash or building materials.
 2. Avoid locating sanitary facilities on impervious surfaces.

Check box if section is **NOT** applicable.

Solid Waste Disposal- Trash, Debris, Solids, Toxic Chemicals

Portable Toilet - Nutrients, pH (acids and bases), Bacteria & Viruses

Best Management Practice Applicable: SOLID WASTE DISPOSAL & PORTABLE TOILET PLACE WASTE RECEPTACLES NEAR AREA OF WORK.

- COVER RECEPTACLES AND EMPTY ON A REGULAR BASIS.
- STORAGE AND COLLECTION AREAS WILL BE LOCATED ONSITE IN AN AREA THAT DOES NOT RECEIVE A SUBSTANTIAL AMOUNT OF RUNOFF FROM UPLAND AREAS AND DOES NOT DRAIN DIRECTLY TO THE CITY'S STORMWATER SYSTEM OR A NATURAL WATERWAY.
- PORTABLE TOILET FACILITIES TO SERVE THE NUMBER OF WORKERS ON THE SITE WILL BE SUPPLIED.
- PORTABLE TOILET FACILITIES WILL NOT BE PLACED ON TOP OF STORM INLETS, OUTFALLS OR NEAR WATERWAYS.
- PORTABLE TOILET FACILITIES WILL BE PROPERLY INSTALLED FASTENED AS PER MANUFACTURES SPECFIICATIONS.

SECTION 5: SITE STABILIZATION

5.1 Temporary Stabilization

Instructions:

- Describe the specific vegetative and/or non-vegetative practices that will be used to stabilize exposed soils where construction activities have ceased.
- For soil disturbing activities that have been temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days:
 1. The permittee shall construct BMPs to establish interim stabilization; and
 2. Stabilization must be initiated immediately and completed within 14 calendar days.
- Until stabilization is complete, interim sediment control shall consist of well-established and maintained BMPs that are reasonably certain to protect waters of the state from sediment pollution over an extended period of time. This may require adding more BMPs to an area than is normally used during daily operations. The types of BMPs used must be suited to the area disturbed, taking into account the number of acres exposed and the steepness of the slopes. If the slope of the area is greater than 3:1 (three feet horizontal to one foot vertical) or if the slope is greater than 3% and greater than 150 feet in length, then the permittee shall establish interim stabilization within 7 days of ceasing operations on that part of the site. The following activities would constitute the immediate initiation of stabilization:
 1. Prepping the soil for vegetative or non-vegetative stabilization as long as seeding, planting, and/or installation of non-vegetative stabilization products takes place as soon as practicable;
 2. Applying mulch or other non-vegetative product to the exposed area;
 3. Seeding or planting the exposed area; and
 4. Finalizing arrangements to have stabilization product fully installed in compliance with the deadlines for completing stabilization.
- Allowances to the 14-day completion period for temporary and final stabilization may be made due to weather and equipment malfunctions. Use of allowances shall be documented in the SWPPP.

Stabilization practices selected (select all that apply):

- BMPs
- Seed and Straw
- Hydroseed
- Tackifier/Soil Binder
- Other: **TURF REINFORCEMENT MATT**

Best Management Practice Applicable: <https://www.springfieldmo.gov/5874/Best-Management-Practices>
**BMP DESIGN DETAIL, DESCRIPTION AND NARATIVE NOTES ARE PROVIDED ON EROSION
SEDIMENT CONTROL DETAIL SHEET AND LISTED ON PHASING PLAN. ALL BMPs ARE SHOWN ON
EROSION CONTROL PLAN.**

5.2 Final Permanent Stabilization

Instructions:

- For spoil disturbing activities that have been permanently ceased on any portion of the site, final stabilization of the disturbed areas must be initiated immediately and completed within 14 calendar days.
- Allowances to the 14-day completion period for temporary and final stabilization may be made due to weather and equipment malfunctions. Use of allowances shall be documented in the SWPPP.
- Describe the vegetative and/or non-vegetative practices that will be used to stabilize exposed soils where construction activities have permanently ceased.
- Vegetative stabilization efforts are considered “installed” when all activities necessary to seed or plant the area are completed. Vegetative stabilization is not considered “operational” until the vegetation is established

Stabilization practices (select all that apply):

Concrete/Asphalt

Mulch

Seed and Straw

Best Management Practice Applicable: <https://www.springfieldmo.gov/5874/Best-Management-Practices>

BMP DESIGN DETAIL, DESCRIPTION AND NARATIVE NOTES ARE PROVIDED ON EROSION SEDIMENT CONTROL DETAIL SHEET AND LISTED ON PHASING PLAN. ALL BMPS ARE SHOWN ON EROSION CONTROL PLAN.

Hydroseed

Sod

Other: DESCRIBE HERE

5.3 Explanation for Delayed Completion of Stabilization

Instructions:

- Only use this page if uncontrollable circumstances have delayed the initiation or completion of stabilization.
- Insert a description of circumstances that prevent you from stabilizing site with mulch, grass, rock, etc., as well as the schedule you will follow for initiating and completing stabilization.

Check box if section is NOT applicable.

Justification

[WRITE EXPLANATION HERE](#)

Stabilization practice selected:

Tackifier/Soil Binder

Sod

Concrete/Asphalt

Other: [DESCRIBE HERE](#)

Mulch

Seed and Straw

Hydroseed

Best Management Practice Applicable: <https://www.springfieldmo.gov/5874/Best-Management-Practices>

BMP DESIGN DETAIL, DESCRIPTION AND NARATIVE NOTES ARE PROVIDED ON EROSION SEDIMENT CONTROL DETAIL SHEET AND LISTED ON PHASING PLAN. ALL BMPS ARE SHOWN ON EROSION CONTROL PLAN.

SECTION 6: PERMIT TERMINATION OR RENEWAL

6.1 Directions for Permit Termination

Instructions:

- Per Springfield City Code Sec. 96-49, the responsible party shall meet termination standards within 30 days of demobilization and shall request permit termination from the City.
 - Demobilization can include removal of all contractor and subcontractor personnel, supplies, materials, rubbish, temporary facilities, and construction equipment.
- Stand-alone permits or permits issued for phased submittal of civil site improvements shall be terminated 180 calendar days after issuance.
 - These permits can be renewed for an additional 180 calendar days if active land disturbance is ongoing or additional plans are submitted by the expiration date.
 - If additional plans are not approved within 180 calendar days of submittal, the permit shall terminate.
- The permit can be terminated once the following are completed:
 - The project site is stabilized with perennial vegetation, pavement, buildings or structures using permanent materials over all areas that have been disturbed. With respect to the areas that have been vegetated, vegetation coverage is at least 70% over 100% of the site. Temporary erosion and sediment control BMPs have been removed from the site and any pollutants associated with construction, such as sediment in storm water boxes, mud on public streets, solid waste issues, etc. have been removed; or
 - The permitted site was sold to an entity who has obtained a new land disturbance permit. The SWPPP has been amended to show the area is no longer under the original permit's jurisdiction.
- When ready to terminate the permit, email Teri Arceneaux at teri.arceneaux@springfieldmo.gov certifying that one of the preceding activities is completed, and include your Land Disturbance Number, Project Name, and Property Location

SECTION 7: DOCUMENTATION OF COMPLIANCE WITH OTHER FEDERAL REQUIREMENTS

7.1 US Army Corps of Engineers (USACE) Clean Water Act (WCA) Section 404 permit Cover Page

Instructions:

- Section 404 of the Clean Water Act (CWA) establishes a program to regulate the discharge of dredged or fill material into waters of the United States, including wetlands.
- Obtain USACE permits at their regulatory program website <http://www.usace.army.mil/Missions/Civil-Works/Regulatory-Program-and-Permits/Obtain-a-Permit/>
- Provide the cover page of the permit. Do not include the entire permit in the SWPPP.

Check box if section is NOT applicable.

INSERT COVER PAGE OF YOUR PERMIT AS ISSUED BY THE US ARMY CORPS OF ENGINEERS INTO APPENDIX A.

7.2 Missouri State Operating Permit MORA00000

Instructions:

- Obtain a new land disturbance permit from the Missouri Department of Natural Resources ePermitting website (<http://dnr.mo.gov/env/wpp/epermit/help.htm>)
- Provide the cover page of the Missouri State Operating Permit. Do not include the entire permit in the SWPPP.

CITY PERMIT TO BE ISSUED. NO NEED FOR STATE OPERATING PERMIT.

7.3 *Endangered Species Protection*

Instructions:

- This SWPPP does not supersede compliance with the Endangered Species Act.
- Results from both requested reports need to be included in this section. Projects must be reviewed on U.S. Fish and Wildlife Service's (USFWS) Information for Planning and Conservation (IPaC) website (<http://ecos.fws.gov/ipac/>) AND Missouri Department of Conservation's (MDC) Natural Heritage Review website (<https://naturalheritagereview.mdc.mo.gov>).
- For suitable habitat definitions refer to USFW IPaC report.
- If disturbances May affect, describe BMPs used to minimize impact.
- The applicant assumes all risk of violating section 9 of the ESA. Take is prohibited and cannot mitigated without an Incidental Take Permit (ITP). To get an ITP, a Habitat Conservation Plan (HCP) is required. The only option to proceed without risk of violating section 9 is to avoid take or apply for an HCP.
- For further directions regarding the IPaC Report (may affect determination and when a project does not involve a federal authority) contact: karen_herrington@fws.gov, (573) 234-2132 ext: 166
- For further directions regarding the Natural Heritage Review (Level Two and Three) contact: NaturalHeritageReview@mdc.mo.gov, 573-522-4115 ext: 3182

USFWS's Official Species List determination:

Project is reviewed under the US Army Corps 404 Permit process.

May affect:

- Will impact suitable bat habitat (live trees and standing snags which possess exfoliating bark and/or cavities, cracks and crevices).
- Will remove any suitable bat habitat during the active season between the periods of April 1st - October 31st.
- Impact subterranean features such as caves/mine shafts/springs.

No effect (April 1st - October 31st, AND no suitable habitat)

INSERT IPaC REPORT AND COPIES OF LETTERS, EMAILS, OR OTHER COMMUNICATION BETWEEN YOU AND FEDERAL OR STATE AGENCIES INTO APPENDIX C.

Missouri Natural Heritage Review Response:

Level One response:

There are no known records of Species and Natural Communities of Conservation Concern within the project area. No further coordination with the Missouri Department of Conservation is necessary.

Level Two response:

Records of state-listed Species and Natural Communities of Conservation Concern occur within or near the project area. Please contact the Missouri Department of Conservation for further coordination and information.

Level Three response:

Records of federal, and possibly also state-listed Species and Natural Communities of Conservation Concern occur within or near the project area. Please contact the Missouri Department of Conservation for further coordination and information. In addition, further coordination and consultation with the U.S. Fish and Wildlife Service for USFWS trust resources including Endangered Species Act species, is necessary. Please visit the U.S. Fish and Wildlife Website – Information for Planning and Conservation at <https://ecos.fws.gov/ipac/> for additional information or contact the USFWS.

INSERT MISSOURI NATURAL HERITAGE REVIEW AND COPIES OF LETTERS, EMAILS, OR OTHER COMMUNICATION BETWEEN YOU AND FEDERAL OR STATE AGENCIES INTO APPENDIX C.

- Best Management Practice Applicable: <https://www.springfieldmo.gov/5874/Best-Management-Practices>*
- **BMPS PRACTICED IN PHASE 1.**

7.4 Historic Preservation

Instructions:

- Under Section 106 of the National Historic Preservation Act, federal agencies must consider the effect of their actions on historic properties and provide the federal Advisory Council on Historic Preservation (ACHP) the opportunity to comment on proposed actions.
 - To successfully complete Section 106 review via website (<https://dnr.mo.gov/shpo/sectionrev.htm>), Federal agencies must:
 - gather information to decide which properties in the project area **are listed in or eligible for listing in the National Register of Historic Places**;
 - if so, determine how these historic properties might be affected;
 - explore alternatives to avoid or reduce harm to historic properties; and
 - reach agreement with the State Historic Preservation Office (SHPO) and the ACHP in some cases, on measures to deal with any adverse effects or obtain advisory comments from the ACHP, which are sent to the head of the agency.

Check box if section is not applicable.

Project is reviewed under the US Army Corps 404 Permit process.

Historic properties were located; however, they do NOT meet the eligibility standards for listing in the National Register of Historic Places

Historic properties were located which meet the eligibility standards for listing in the National Register of Historic Places

Historic properties may meet requirements for National Register Listing; Phase II testing is recommended

INSERT 106 REVIEW AND COPIES OF LETTERS, EMAILS, OR OTHER COMMUNICATION BETWEEN YOU AND FEDERAL OR STATE AGENCIES INTO APPENDIX D.

Best Management Practice Applicable: <https://www.springfieldmo.gov/5874/Best-Management-Practices>
BMP DESIGN DETAIL, DESCRIPTION AND NARATIVE NOTES ARE PROVIDED ON EROSION SEDIMENT CONTROL DETAIL SHEET AND LISTED ON PHASING PLAN. ALL BMPS ARE SHOWN ON EROSION CONTROL PLAN.

APPENDIX

***A. US Army Corps Engineers (USACE) Clean Water Act (WCA) Section 404 permit Cover
Page***

B. Missouri State Operating Permit – CITY PERMIT TO BE OBTAINED

C. Endangered Species Protection IPaC and Natural Heritage Review Documents,

D. State Historic Preservation 106 Review Documents

E. Self-Inspection Form

F. Site Maps, Plans and Details Sheet

G. Site Sign

Appendix A: US Army Corps Engineers (USACE) Clean Water Act (CWA) Section 404 permit Cover Page,

NOT APPLICABLE

Appendix B: Missouri State Operating Permit MORA00000 Cover Page

NOT APPLICABLE

Appendix C: Endangered Species Protection IPaC and Natural Heritage Review Documents



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Missouri Ecological Services Field Office
101 Park Deville Drive
Suite A
Columbia, MO 65203-0057
Phone: (573) 234-2132 Fax: (573) 234-2181

In Reply Refer To:

03/25/2025 14:49:59 UTC

Project Code: 2025-0073554

Project Name: 25038 - Fisk Limousine Service

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

Threatened and Endangered Species

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and may be affected by your proposed project. The species list fulfills the requirement for obtaining a Technical Assistance Letter from the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. **Note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days.** The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

Consultation Technical Assistance

Refer to the Midwest Region [S7 Technical Assistance](#) website for step-by-step instructions for making species determinations and for specific guidance on the following types of projects:

projects in developed areas, HUD, pipelines, buried utilities, telecommunications, and requests for a Conditional Letter of Map Revision (CLOMR) from FEMA.

Federally Listed Bat Species

Indiana bats, gray bats, and northern long-eared bats occur throughout Missouri and the information below may help in determining if your project may affect these species.

Gray bats - Gray bats roost in caves or mines year-round and use water features and forested riparian corridors for foraging and travel. If your project will impact caves, mines, associated riparian areas, or will involve tree removal around these features – particularly within stream corridors, riparian areas, or associated upland woodlots –gray bats could be affected.

Indiana and northern long-eared bats - These species hibernate in caves or mines only during the winter. In Missouri the hibernation season is considered to be November 1 to March 31. During the active season in Missouri (April 1 to October 31) they roost in forest and woodland habitats. Suitable summer habitat for Indiana bats and northern long-eared bats consists of a wide variety of forested/wooded habitats where they roost, forage, and travel and may also include some adjacent and interspersed non-forested habitats such as emergent wetlands and adjacent edges of agricultural fields, old fields and pastures. This includes forests and woodlots containing potential roosts (i.e., live trees and/or snags ≥ 5 inches diameter at breast height (dbh) for Indiana bat, and ≥ 3 inches dbh for northern long-eared bat, that have exfoliating bark, cracks, crevices, and/or hollows), as well as linear features such as fencerows, riparian forests, and other wooded corridors. These wooded areas may be dense or loose aggregates of trees with variable amounts of canopy closure. Tree species often include, but are not limited to, shellbark or shagbark hickory, white oak, cottonwood, and maple. Individual trees may be considered suitable habitat when they exhibit the characteristics of a potential roost tree and are located within 1,000 feet (305 meters) of other forested/wooded habitat. Northern long-eared bats have also been observed roosting in human-made structures, such as buildings, barns, bridges, and bat houses; therefore, these structures should also be considered potential summer habitat and evaluated for use by bats. If your project will impact caves or mines or will involve clearing forest or woodland habitat containing suitable roosting habitat, Indiana bats or northern long-eared bats could be affected.

Examples of unsuitable habitat include:

- Individual trees that are greater than 1,000 feet from forested or wooded areas;
- Trees found in highly-developed urban areas (e.g., street trees, downtown areas);
- A pure stand of less than 3-inch dbh trees that are not mixed with larger trees; and
- A stand of eastern red cedar shrubby vegetation with no potential roost trees.

Using the IPaC Official Species List to Make No Effect and May Affect Determinations for Listed Species

1. If IPaC returns a result of "There are no listed species found within the vicinity of the project," then project proponents can conclude the proposed activities will have **no effect** on any federally listed species under Service jurisdiction. Concurrence from the Service is not required for **No Effect** determinations. No further consultation or coordination is required. Attach this letter to the dated IPaC species list report for your records. An example "[No Effect](#)" document also can be found on the S7 Technical Assistance website.

2. If IPaC returns one or more federally listed, proposed, or candidate species as potentially present in the action area of the proposed project – other than bats (see #3 below) – then project proponents can conclude the proposed activities **may affect** those species. For assistance in determining if suitable habitat for listed, candidate, or proposed species occurs within your project area or if species may be affected by project activities, you can obtain [Life History Information for Listed and Candidate Species](#) through the Species website.
3. If IPaC returns a result that one or more federally listed bat species (Indiana bat, northern long-eared bat, or gray bat) are potentially present in the action area of the proposed project, project proponents can conclude the proposed activities **may affect** these bat species **IF** one or more of the following activities are proposed:
 - a. Clearing or disturbing suitable roosting habitat, as defined above, at any time of year;
 - b. Any activity in or near the entrance to a cave or mine;
 - c. Mining, deep excavation, or underground work within 0.25 miles of a cave or mine;
 - d. Construction of one or more wind turbines; or
 - e. Demolition or reconstruction of human-made structures that are known to be used by bats based on observations of roosting bats, bats emerging at dusk, or guano deposits or stains.

If none of the above activities are proposed, project proponents can conclude the proposed activities will have **no effect** on listed bat species. Concurrence from the Service is not required for **No Effect** determinations. No further consultation or coordination is required. Attach this letter to the dated IPaC species list report for your records. An example ["No Effect" document](#) also can be found on the S7 Technical Assistance website.

If any of the above activities are proposed in areas where one or more bat species may be present, project proponents can conclude the proposed activities **may affect** one or more bat species. We recommend coordinating with the Service as early as possible during project planning. If your project will involve removal of over 5 acres of [suitable](#) forest or woodland habitat, we recommend you complete a Summer Habitat Assessment prior to contacting our office to expedite the consultation process. The Summer Habitat Assessment Form is available in Appendix A of the most recent version of the [Range-wide Indiana Bat Summer Survey Guidelines](#).

Other Trust Resources and Activities

Bald and Golden Eagles - Although the bald eagle has been removed from the endangered species list, this species and the golden eagle are protected by the Bald and Golden Eagle Act and the Migratory Bird Treaty Act. Should bald or golden eagles occur within or near the project area please contact our office for further coordination. For communication and wind energy projects, please refer to additional guidelines below.

Migratory Birds - The Migratory Bird Treaty Act (MBTA) prohibits the taking, killing, possession, transportation, and importation of migratory birds, their eggs, parts, and nests, except when specifically authorized by the Service. The Service has the responsibility under the MBTA

to proactively prevent the mortality of migratory birds whenever possible and we encourage implementation of recommendations that minimize potential impacts to migratory birds. Such measures include clearing forested habitat outside the nesting season (generally March 1 to August 31) or conducting nest surveys prior to clearing to avoid injury to eggs or nestlings.

Communication Towers - Construction of new communications towers (including radio, television, cellular, and microwave) creates a potentially significant impact on migratory birds, especially some 350 species of night-migrating birds. However, the Service has developed [voluntary guidelines for minimizing impacts](#).

Transmission Lines - Migratory birds, especially large species with long wingspans, heavy bodies, and poor maneuverability can also collide with power lines. In addition, mortality can occur when birds, particularly hawks, eagles, kites, falcons, and owls, attempt to perch on uninsulated or unguarded power poles. To minimize these risks, please refer to [guidelines](#) developed by the Avian Power Line Interaction Committee and the Service. Implementation of these measures is especially important along sections of lines adjacent to wetlands or other areas that support large numbers of raptors and migratory birds.

Wind Energy - To minimize impacts to migratory birds and bats, wind energy projects should follow the Service's [Wind Energy Guidelines](#). In addition, please refer to the Service's [Eagle Conservation Plan Guidance](#), which provides guidance for conserving bald and golden eagles in the course of siting, constructing, and operating wind energy facilities.

Next Steps

Should you determine that project activities **may affect** any federally listed species or trust resources described herein, please contact our office for further coordination. Letters with requests for consultation or correspondence about your project should include the Consultation Tracking Number in the header. Electronic submission is preferred.

If you have not already done so, please contact the Missouri Department of Conservation (Policy Coordination, P. O. Box 180, Jefferson City, MO 65102) for information concerning Missouri Natural Communities and Species of Conservation Concern.

We appreciate your concern for threatened and endangered species. Please feel free to contact our office with questions or for additional information.

John Weber

Attachment(s):

- Official Species List

Project code: 2025-0073554

03/25/2025 14:49:59 UTC

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Missouri Ecological Services Field Office

101 Park Deville Drive

Suite A

Columbia, MO 65203-0057

(573) 234-2132

Project code: 2025-0073554

03/25/2025 14:49:59 UTC

PROJECT SUMMARY

Project Code: 2025-0073554

Project Name: 25038 - Fisk Limousine Service

Project Type: Commercial Development

Project Description: General land disturbance for construction of a facility and parking lot.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@37.211437950000004,-93.22036366435799,14z>



Counties: Greene County, Missouri

ENDANGERED SPECIES ACT SPECIES

There is a total of 5 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Project code: 2025-0073554

03/25/2025 14:49:59 UTC

MAMMALS

NAME	STATUS
<p>Gray Bat <i>Myotis grisescens</i></p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6329</p>	Endangered
<p>Indiana Bat <i>Myotis sodalis</i></p> <p>There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5949 General project design guidelines: https://ipac.ecosphere.fws.gov/project/PIEJEMKDVEHLXEBKGSYHGMWGO4/documents/generated/7280.pdf</p>	Endangered
<p>Tricolored Bat <i>Perimyotis subflavus</i></p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515</p>	Proposed Endangered

FISHES

NAME	STATUS
<p>Ozark Cavefish <i>Amblyopsis rosae</i></p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6490</p>	Threatened

INSECTS

NAME	STATUS
<p>Monarch Butterfly <i>Danaus plexippus</i></p> <p>There is proposed critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/9743</p>	Proposed Threatened

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.



Missouri Department of Conservation

Missouri Department of Conservation's Mission is to protect and manage the forest, fish, and wildlife resources of the state and to facilitate and provide opportunities for all citizens to use, enjoy and learn about these resources.

Natural Heritage Review Level Two Report: State Listed Endangered Species and/or Missouri Species/Natural Communities of Conservation Concern

There are records of state-listed Endangered Species, or Missouri Species or Natural Communities of Conservation Concern within or near the defined Project Area. Please contact Missouri Department of Conservation for further coordination.

Foreword: Thank you for accessing the Missouri Natural Heritage Review Website developed by the Missouri Department of Conservation with assistance from the U.S. Fish and Wildlife Service, the U.S. Army Corps of Engineers, Missouri Department of Transportation and NatureServe. The purpose of this report is to provide information to federal, state and local agencies, organizations, municipalities, corporations, and consultants regarding sensitive fish, wildlife, plants, natural communities, and habitats to assist in planning, designing, and permitting stages of projects.

PROJECT INFORMATION

Project Name and ID Number: 25038 - Fisk Limousine Service #16527

Project Description: Greene County Springfield MO

Project Type: Transportation, Roads

Contact Person: Anthony Swanigan

Contact Information: aswanigan@gocjw.com or 417-733-4266

Disclaimer: This NATURAL HERITAGE REVIEW REPORT identifies if a species or natural community tracked by the Natural Heritage Program is known to occur within or near the project area submitted, and shares recommendations to avoid or minimize project impacts to sensitive species or natural habitats. Incorporating information from the Natural Heritage Program into project plans is an important step in reducing impacts to Missouri's sensitive natural resources. If an occurrence record is present, or the proposed project might affect federally listed species, the user must contact the Department of Conservation or U.S. Fish and Wildlife Service for more information.

This Natural Heritage Review Report is not a site clearance letter for the project. Rather, it identifies public lands and records of sensitive resources located close to and/or potentially affected by the proposed project. If project plans or location change, this report may no longer be valid. Because land use conditions change and animals move, the existence of an occurrence record does not mean the species/habitat is still present. Therefore, reports include information about records near but not necessarily on the project site. Lack of an occurrence record does not mean that a sensitive species or natural community is not present on or near the project area. On-site verification is the responsibility of the project. However, the Natural Heritage Program is only one reference that should be used to evaluate potential adverse project impacts and additional information (e.g. wetland or soils maps, on-site inspections or surveys) should be considered. Reviewing current landscape and habitat information, and species' biological characteristics would additionally ensure that Missouri Species of Conservation Concern are appropriately identified and addressed in planning efforts.

U.S. Fish and Wildlife Service – Endangered Species Act (ESA) Coordination: Lack of a Natural Heritage Program occurrence record for federally listed species in your project area does not mean the species is not present, as the area may never have been surveyed. Presence of a Natural Heritage Program occurrence record does not mean the project will result in negative impacts. This report does not fulfill Endangered Species Act consultation with the U.S. Fish and Wildlife Service (USFWS) for listed species. Direct contact with the USFWS may be necessary to complete consultation and it is required for actions with a federal connection, such as federal funding or a federal permit; direct contact is also required if ESA concurrence is necessary. Visit [IPaC: Home \(fws.gov\)](https://www.fws.gov/ipac) to initiate USFWS Information for Planning and Conservation (IPaC) consultation. Contact the Columbia Missouri Ecological Field Services Office (573-234-2132, or by mail at 101 Park Deville Drive, Suite A, Columbia, MO 65203) for more information.

Transportation Projects: If the project involves the use of Federal Highway Administration transportation funds, these recommendations may not fulfill all contract requirements. Please contact the Missouri Department of Transportation at 573-526-4778 or visit [Home Page | Missouri Department of Transportation \(modot.org\)](https://www.modot.org) for additional information on recommendations.

Species or Communities of Conservation Concern within the Area:

There are records of state-listed Endangered Species, or Missouri Species or Natural Communities of Conservation Concern within or near the defined Project Area. Please contact the Missouri Department of Conservation for further coordination.

Email (preferred): NaturalHeritageReview@mdc.mo.gov
MDC Natural Heritage Review
Science Branch
P.O. Box 180
Jefferson City, MO
65102-0180
Phone: 573-522-4115 ext. 3182

Other Special Search Results:

No results have been identified for this project location.

Project Type Recommendations:

Transportation - Roads: New and Maintenance projects typically change the plants and animals that live on the right-of-way or in the vicinity. Minimize erosion and sedimentation/runoff to nearby streams and lakes by carefully adhering to any Clean Water Act permit conditions; and include design elements to manage stormwater so that present water discharge rates from the site to streams during heavy rain events are not increased. Revegetation of disturbed areas is recommended to minimize erosion, as is restoration with native plant species compatible with the local landscape and wildlife needs. Annuals like ryegrass may be combined with native perennials for quicker green-up. Avoid aggressive exotic perennials such as crown vetch and sericea lespedeza.

Maintenance of ground cover in utility corridors can have significant implications for sensitive resources. Native plant species typically require low maintenance over the long term, and provide more benefits to native wildlife. Use silt fences and/or vegetative filter strips to buffer streams and drainages, and monitor those after rain events and until a well-rooted ground cover is reestablished. Please see [Best Management Practices for Construction and Development Projects Affecting Missouri Rivers and Streams \(mo.gov\)](#).

Project Location and/or Species Recommendations:

Endangered Species Act Coordination - If this project has the potential to alter habitat (e.g. tree removal, projects in karst habitat) or cause direct mortality of bats, please coordinate directly with U.S. Fish and Wildlife Service (Ecological Services, 101 Park Deville Drive, Suite A, Columbia, Missouri 65203-0007; Phone 573-234-2132 Ext. 100 for Ecological Services) for further coordination under the Endangered Species Act. Indiana bats (*Myotis sodalis*, federal- and state-listed endangered) and Northern long-eared bats (*Myotis septentrionalis*, federal-listed threatened) may occur near the project area. Both of these species of bats hibernate during winter months in caves and mines. During the summer months, they roost and raise young under the bark of trees in wooded areas, often riparian forests and upland forests near perennial streams. During project activities, avoid degrading stream quality and where possible leave snags standing and preserve mature forest canopy. Do not enter caves known to harbor Indiana bats or Northern long-eared bats, especially from September to April.

Gray Bat: The submitted project location is within the range of the Gray Myotis (i.e., Gray Bat) in Missouri. Depending on habitat conditions of your project's location, Gray Myotis (*Myotis grisescens*, federal and state-listed endangered) could occur within the project area, as they forage over streams, rivers, lakes, and reservoirs. Avoid entry or disturbance of any cave inhabited by Gray Myotis and when possible retain forest vegetation along the stream and from the cave opening to the stream. Please see [Best Management Practices for Construction and Development Projects Gray bat \(mo.gov\)](#).

Karst: This county has known karst geologic features (e.g., caves, springs, and sinkholes, all characterized by subterranean water movement). Few karst features are recorded in Natural Heritage records, and ones not noted here may be encountered at the project site or affected by the project. Cave fauna (many of which are Species of Conservation Concern) are influenced by changes to water quality; please check your project site for any karst features and make every effort to protect groundwater in the project area. Additional information and specific recommendations are available at [Management Recommendations for Construction and Development Projects Affecting Missouri Karst Habitat \(mo.gov\)](#).

Ozark Cavefish: The project is within the recharge area for an Ozark Cavefish (*Troglichthys rosae*, federal listed threatened, state-listed endangered) site. All activities that might adversely impact groundwater quality should be avoided. Please see [Best Management Practices for Construction and Development Projects Ozark Cavefish \(mo.gov\)](#) and [Management Recommendations for Construction and Development Projects Affecting Missouri Karst Habitat \(mo.gov\)](#). Additional coordination with the U.S. Fish and Wildlife Service may be required for the project under the federal Endangered Species Act (U.S. Fish and Wildlife Service, Ecological Services, 101 Park DeVillie Drive, Suite A, Columbia, Missouri 65203-0007; phone 573-234-2132).

Invasive exotic species are a significant issue for fish, wildlife and agriculture in Missouri. Seeds, eggs, and larvae may be moved to new sites on boats or construction equipment. Please inspect and clean equipment thoroughly before moving between project sites. See [Managing Invasive Species in Your Community | Missouri Department of Conservation \(mo.gov\)](#) for more information.

- Remove any mud, soil, trash, plants or animals from equipment before leaving any water body or work area.
- Drain water from boats and machinery that have operated in water, checking motor cavities, live-well, bilge and transom wells, tracks, buckets, and any other water reservoirs.
- When possible, wash and rinse equipment thoroughly with hard spray or HOT water (>140° F, typically available at do-it-yourself car wash sites), and dry in the hot sun before using again.

Streams and Wetlands – Clean Water Act Permits: Streams and wetlands in the project area should be protected from activities that degrade habitat conditions. For example, soil erosion, water pollution, placement of fill, dredging, in-stream activities, and riparian corridor removal, can modify or diminish aquatic habitats. Streams and wetlands may be protected under the Clean Water Act and require a permit for any activities that result in fill or other modifications to the site. Conditions provided within the U.S. Army Corps of Engineers (USACE) Clean Water Act Section 404 permit ([Kansas City District Regulatory Branch \(army.mil\)](#)) and the Missouri Department of Natural Resources (DNR) issued Clean Water Act Section 401 Water Quality Certification ([Section 401 Water Quality Certification | Missouri Department of Natural Resources \(mo.gov\)](#)), if required, should help minimize impacts to the aquatic organisms and aquatic habitat within the area. Depending on your project type, additional permits may be required by the Missouri Department of Natural Resources, such as permits for stormwater, wastewater treatment facilities, and confined animal feeding operations. Visit [Wastewater Permits | Missouri Department of Natural Resources \(mo.gov\)](#) for more information on DNR permits. Visit both the USACE and DNR for more information on Clean Water Act permitting.

For further coordination with the Missouri Department of Conservation and the U.S. Fish and Wildlife Services, please see the contact information below:

Email (preferred): NaturalHeritageReview@mdc.mo.gov
MDC Natural Heritage Review
Science Branch
P.O. Box 180
Jefferson City, MO
65102-0180
Phone: 573-522-4115 ext. 3182

U.S. Fish and Wildlife Service
Ecological Service
101 Park Devillie Drive
Suite A
Columbia, MO
65203-0007
Phone: 573-234-2132

Miscellaneous Information

FEDERAL Concerns are species/habitats protected under the Federal Endangered Species Act and that have been known near enough to the project site to warrant consideration. For these, project managers must contact the U.S. Fish and Wildlife Service Ecological Services (101 Park Deville Drive Suite A, Columbia, Missouri 65203-0007; Phone 573-234-2132; Fax 573-234-2181) for consultation.

STATE Concerns are species/habitats known to exist near enough to the project site to warrant concern and that are protected under the Wildlife Code of Missouri (RSMo 3 CSR 1 0). "State Endangered Status" is determined by the Missouri Conservation Commission under constitutional authority, with requirements expressed in the Missouri Wildlife Code, rule 3CSR 1 0-4.111. Species tracked by the Natural Heritage Program have a "State Rank" which is a numeric rank of relative rarity. Species tracked by this program and all native Missouri wildlife are protected under rule 3CSR 10-4.110 General Provisions of the Wildlife Code.

See [Missouri Species and Communities of Conservation Concern Checklist \(mo.gov\)](#) for a complete list of species and communities of conservation concern. Detailed information about the animals and some plants mentioned may be accessed at [Mofws Search Results](#). Please contact the Missouri Department of Conservation to request printed copies of any materials linked in this document.

Appendix D: State Historic Preservation 106 Review Documents

1/29/2020

Missouri Department of Natural Resources

Greene County National Register Listings

About Ben Adhem Shrine Mosque ([nps-nr/82003137.pdf](#)), 601 St. Louis St., Springfield (9/09/82)

Ambassador Apartments ([nps-nr/08001023.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), 1235 E. Elm St., Springfield (10/29/08)

Anderson, Elijah Teague, House ([nps-nr/80002353.pdf](#)), 406 N Pine, Republic (11/14/80)

Bailey School ([nps-nr/16000749.pdf](#)), 501 W. Central St., Springfield (11/02/16)

Bentley House ([nps-nr/80002354.pdf](#)), 603 E Calhoun, Springfield (11/14/80)

Benton Avenue AME Church ([nps-nr/01001109.pdf](#)), 830 North Benton, Springfield, (10/14/01)

Berry Cemetery ([nps-nr/04001224.pdf](#)), 1431 W. Farm Rd. 74, Ash Grove vic. (11/13/04)

Beverly Apartments ([nps-nr/MP100001299.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), 529 Cherry St., Springfield (7/10/17)

Boegel and Hine Flour Mill-Wommack Mill ([nps-nr/86003140.pdf](#)), E side of North Main St., S of intersection with MO 125, Fair Grove (11/06/86)

Boone, Nathan, House ([nps-nr/69000103.pdf](#)), 1.75 mi. N of Ash Grove on Hwy. V (10/01/69)

Camp Manor Apartments ([nps-nr/05001374.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), 423 E. Elm St., Springfield (12/06/05)

Campbell Avenue Historic District ([nps-nr/99000714.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#)); [map \(docs/CampbellAveHistDist.pdf\)](#)), 200 and 300 blocks of S Campbell Ave., and 300 block of Park Central W, Springfield (6/25/99)

Campbell Avenue Historic District (Boundary Increase ([nps-nr/05001433.pdf](#)); *Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), 318 and 322-326 S. Campbell Avenue, Springfield (12/23/05)

Christ Episcopal Church ([nps-nr/87000514.pdf](#)), 601 E Walnut, Springfield (3/26/87)

College Apartments ([nps-nr/03000319.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), 408 E. Walnut St., Springfield (5/01/03)

Commercial Street Historic District ([nps-nr/83000991.pdf](#)) ([Map \(docs/SpringfieldWarehouse.pdf\)](#)), Commercial St., Springfield (5/24/83)

Day House ([nps-nr/76001110.pdf](#)), 614 South St., Springfield (11/07/76)

Fallin Brothers Building ([nps-nr/12000435.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), 211-229 S. Market Ave., Springfield (7/25/12)

Finkbiner Building ([nps-nr/05000469.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), 509-513 W. Oliver St., Springfield (5/25/05)

Missouri National Register County List ([/shpo/mnrlist.htm](#))
Acronym Key ([/shpo/acronyms.htm](#))
Recent Listings ([/shpo/nrrecentlist.htm](#))

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- Franklin Springfield Motor Co. Building** ([nps-nr/06001027.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), 312-314 E. Olive St., Springfield (11/15/06)
- Gillioz Theater** ([nps-nr/91000887.pdf](#)), 325 Park Central E, Springfield (7/09/91)
- Gilmore Barn** ([nps-nr/94000316.pdf](#)), US 160, 3.5 mi. E of Ash Grove, Ash Grove vic. (4/08/94)
- Gottfried Furniture Co. Building,** ([nps-nr/07001289.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), 326 Boonville Ave., Springfield (12/18/07)
- Greene County Courthouse** ([nps-nr/07001185.pdf](#)), 940 Boonville Ave., Springfield (11/14/07)
- Heer's Department Store** ([nps-nr/02001207.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), 138 Park Central Square, Springfield (10/24/02)
- Heercleff** ([nps-nr/16000763.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), 6405 S. Campbell Ave, Springfield (11/07/16)
- Holland Building** ([nps-nr/00001373.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), 205 Park Central East, Springfield (11/15/00)
- Hotel Sansone** ([nps-nr/00000430.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), 312 Park Central E, Springfield (05/05/00)
- Jefferson Street Footbridge** ([nps-nr/03000865.pdf](#)), Jefferson Ave., bet. Commercial and Chase Sts., Springfield (9/02/03)
- Keet-McElhany House** ([nps-nr/84002545.pdf](#)), 435 E Walnut, Springfield (3/22/84)
- King, J.E., Manufacturing Co.** ([nps-nr/05000751.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), 1350 St. Louis St., Springfield (7/27/05)
- Kite, Robert B. and Vitae A., Apartment Building** ([nps-nr/03001504.pdf](#)), 769-771 South Ave., Springfield (1/28/04)
- Landers Theater** ([nps-nr/77000806.pdf](#)), 311 E Walnut, Springfield (8/12/77)
- Lincoln School** ([nps-nr/00000508.pdf](#)), 815 N Sherman, Springfield (5/31/00)
- McDaniel Building** ([/shpo/nps-nr/14000871.pdf](#)), 316 Park Central E., Springfield (10/22/14)
- Marquette Hotel** ([nps-nr/00000431.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), 400 E Walnut, Springfield (05/05/00)
- Marx-Hurlburt Building** ([nps-nr/03000864.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), 311-315 E. Park Central Sq., Springfield (9/02/03)
- Mid-Town Historic District** ([nps-nr/89000938.pdf](#)) (map ([docs/Midtown-increase.pdf](#))), roughly bounded by Pacific, Clay, Pythian, Summit, Calhoun, Washington, Central, Benton, Division, and Jefferson, Springfield (7/13/89)
- Mid-Town Historic District (**Boundary Increase** ([nps-nr/02000851.pdf](#)); map ([docs/Midtown-increase.pdf](#))), roughly along N. Robberson Ave. and N. Jefferson Ave., Springfield (8/09/02)
- Netter-Ullman Building** ([nps-nr/03000255.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), 317 Park Central East, Springfield (4/18/03)

<https://dnr.mo.gov/shpo/greene.htm>

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- Oberman, D. M., Manufacturing Co. Building** ([nps-nr/02000379.pdf](#)), 600 North Boonville Avenue, Springfield (4/18/2002)
- Old Calaboose** ([nps-nr/80002355.pdf](#)) (Old Springfield City Jail), 409 W McDaniel, Springfield (11/14/80)
- Palace Hotel** ([nps-nr/02001419.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), 501 College St., Springfield (11/27/02)
- Pearl Apartments and Windsor Apartments** ([nps-nr/05001376.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), 728 and 722 S. Jefferson St., Springfield (12/06/05)
- Pearson Creek Archaeological District (district includes: 23GR28; 23GR46; 23GR47; 23GR48; 23GR49; 23GR50; 23GR61; 23GR116; 23GR117; 23GR119; 23GR120; 23GR123; 23GR130; 23GR133; 23GR134; 23GR135; 23GR167; 23GR176; 23GR177; 23GR341; Phelps Diggings; Pierson Mines; Gem Mines; Suffold and Eversal Shafts; Daisy Mine; Lewis and Benz Mines; Meyers Mine; Wolverine and O'Day Mines; Nathalie and Kodak Mines; Kershner Cemetery; Schoolcraft's Camp and Marker; and Simpson Cemetery), address restricted (10/11/78)
- Producers Ice and Manufacturing Company** ([nps-nr/SG100002031.pdf](#)), 524 W Chase St., Springfield (1/29/18)
- Producers Produce Co. Plant** ([nps-nr/10000181.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), 501 N. Main Ave., Springfield (4/12/10)
- Pythian Home of Missouri** ([nps-nr/09000812.pdf](#)), 1451 E. Pythian St., Springfield (10/07/09)
- Rail Haven Motel** ([nps-nr/10000245.pdf](#)) (*Route 66 in Missouri MPDF* ([nps-nr/Route66MPDF.pdf](#))), 203 S. Glenstone Ave., Springfield (5/10/10)
- Rock Fountain Court Historic District** ([nps-nr/03000179.pdf](#)) ([map](#) ([docs/Rockfountain.pdf](#))), 2400 W. College St., Springfield (4/02/03)
- Route 66 Steak 'n Shake** ([nps-nr/12000462.pdf](#)) (*Route 66 in Missouri MPDF* ([nps-nr/Route66MPDF.pdf](#))), 1158 E. St. Louis St., Springfield (8/01/12)
- St. John's Mercy Hospital Building** ([nps-nr/03000867.pdf](#)), 620 W. Scott, Springfield (9/02/03)
- St. Paul Block** ([nps-nr/08001322.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), 401 S. Ave., Springfield (1/15/09)
- Schneider, Henry, Building** ([nps-nr/06000535.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), 600 College St. and 219-231 S. Main Ave., Springfield (8/24/06)
- South Avenue Commercial Historic District** ([nps-nr/99000713.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#)); [map](#) ([docs/SouthAveCommHistDist.pdf](#))), Walnut and Pershing Sts., South and Robberson Aves., Springfield (6/25/99)
- South-McDaniel-Patton Commercial Historic District** ([nps-nr/03000088.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#)); [map](#) ([docs/SouthMcDaniel.pdf](#))), roughly bounded by S. Campbell Ave., W. McDaniel St., South Ave., and W. Walnut St., Springfield (3/07/03)
- Springfield Furniture Co.** ([nps-nr/06000536.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), 601 N. National, Springfield (7/05/06)

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- Springfield Grocer Co. Warehouse** ([nps-nr/10000462.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), 323 N. Patton Ave, Springfield, (7/08/10)
- Springfield National Cemetery** ([nps-nr/99001045.pdf](#)) (*Civil War Era National Cemeteries MPDF* ([nps-nr/64500016.pdf](#))), 1702 E Seminole St., Springfield (8/27/99)
- Springfield Public Square Historic District** ([nps-nr/06000331.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#)); [map](#) ([docs/PublicSquare.pdf](#))), 149,138,137,134,127,132,124, and 122 Park Central Sq., 219, 221, South Ave., Springfield (5/05/06)
- Springfield Public Square Historic District (**Boundary Increase** ([nps-nr/09000281.pdf](#)); *Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), E. side Public Square, part of the 300 block Park Central E., N. side of 200 block of W. Olive, Springfield (1/13/10)
- Springfield Seed Co. Office and Wholesale Building** ([nps-nr/06000863.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), 319 N. Main Ave., Springfield (9/14/2006)
- Springfield Warehouse and Industrial Historic District** ([nps-nr/99000715.pdf](#))(*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), E Water, W Mill and W Phelps Sts. and Boonville Ave., Springfield (6/25/99)
- Stone Chapel** ([nps-nr/82000583.pdf](#)), Drury College Campus, Benton and Central Sts., Springfield (10/21/82)
- Trail of Tears Roadbed Segment on Josiah Danforth Farm (*Cherokee Trail of Tears in Missouri, 1837-1839 MPDF* ([nps-nr/64501226.pdf](#))), Address Restricted, Strafford vic. (7/23/18)
- U.S. Customhouse and Post Office** ([nps-nr/79001360.pdf](#)), 830 Boonville Ave., Springfield (6/27/79)
- Walnut Street Historic Commercial District** ([nps-nr/99000717.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), Walnut St., Springfield (6/25/99)
- Walnut Street Historic District** ([nps-nr/85000623.pdf](#)) ([map](#) ([docs/WalnutStreetHistDista.pdf](#))), roughly bounded by McDaniel, Walnut, Elm Sts. and Sherman Parkway, Springfield (3/21/85)
- Walnut Street Historic District (**Boundary Decrease** ([nps-nr/01001128.pdf](#))), along East Elm Street, Springfield (10/19/01)
- Walnut Street Historic District (**Boundary Increase** ([nps-nr/02000833.pdf](#))), roughly along E. Walnut St., from the 700 and 800 Blocks, Springfield (8/05/02)
- Washington Avenue Baptist Church** ([nps-nr/00001620.pdf](#)) (Second Baptist Church), 729 North Washington, Springfield (12/22/00; removed 10/06/01)
- West Walnut Street Commercial Historic District** ([nps-nr/02000211.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), roughly 400-300 blocks of West Walnut Street and 300-400 blocks of South Campbell Avenue, Springfield (3/20/02)
- Wilhoit, E. M., Building** ([nps-nr/04001576.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), 300-330 E. Pershing St., Springfield (1/31/05)
- Wilhoit, Edward M. and Della C., House** ([nps-nr/04001384.pdf](#)), 903 S. Weller Ave., Springfield (12/23/04)

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Missouri Department of Natural Resources

Wilshire Apartments ([nps-nr/08000266.pdf](#)) (*Historic and Architectural Resources of Springfield, Missouri MPDF* ([nps-nr/64500936.pdf](#))), 520 S. Jefferson, Springfield (4/10/08)

Wilson's Creek National Battlefield ([nps-nr/66000113.pdf](#)), SW of Springfield on MO 174 (10/15/66)

Wise Feed Co. Building ([nps-nr/02001685.pdf](#)), 438-440 S. Campbell Ave., Springfield (1/06/03)

Woods-Evertz Stove Co. Historic District ([nps-nr/03001071.pdf](#)) ([map docs/WoodEvertz.pdf](#)), bounded by N. Jefferson Ave., E Phelps St., N. Robberson Ave. and E. Tampa St., Springfield (10/23/2003)

*Each bold-faced link in the list above leads to a word-searchable NATIONAL REGISTER NOMINATION for that resource; other links provide maps or additional context for the resource. The items may be downloaded (right-click) or viewed in your Web browser (double-click). File sizes range from 1 MB to several hundred MB, the time required for loading will depend on your connection speed. You may obtain a free copy of Adobe Reader software required to read the materials by visiting our [Help page \(../help.htm\)](#).

Appendix E: Self-Inspection Form

BMP Self-Inspection: Land Disturbance Permit

City of Springfield, Department of Environmental Services: 290 E Central St Springfield, MO 65802 (417) 864-2087

Date & Time:	Project Name:	Permit #: LDP
Environmental Lead in SWPPP (Name & Company):		
<input type="checkbox"/> Weekly <input type="checkbox"/> Biweekly <input type="checkbox"/> Post Rain Event Rainfall Total: <input type="checkbox"/> Other:		

Inspection Checklist	Satisfactory?	Corrective Action Needed and Notes
SWPPP -Is SWPPP on site and updated with records attached? Is sign posted on construction site? Is ESC Plan updated?	<input type="checkbox"/> YES <input type="checkbox"/> NO	Date Completed:
Construction Exit -Is sediment trackout controlled at the construction exit? Are streets substantially free of sediment?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NA	Date Completed:
Stockpiles -Are stockpiles stabilized or controlled by a BMP? Are borrow/fill areas identified on the SWPPP?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NA	Date Completed:
Dewatering operations -Are dewatering operations filtering sediment/pollutants?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NA	Date Completed:
Housekeeping -Are litter, construction debris, and construction chemicals controlled?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NA	Date Completed:
BMP Maintenance -Have all BMPs been repaired/ sediment accumulation removed? Should any BMPs be added and/or removed?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NA	Date Completed:
Tree Protection -Is fencing installed properly? Are root zones and tree canopy protected from equipment, vehicles and construction material?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NA	Date Completed:
Stabilization -Has temporary or final stabilization been achieved on areas inactive for more than 14 days?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NA	Date Completed:
Stormwater Outfall and Receiving Streams -Is the outfall free from sediment accumulation? Are receiving waters free of visible pollutants?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NA	Date Completed:
Additional Comments –		

<p>SWPPP Amendment Log – Create a log here of changes and updates to the SWPPP. Modifications are required when: (a) location, design, operation, or maintenance of BMPs is changed; (b) design of the construction project is changed that could significantly affect the quality of the stormwater discharges; (c) permittee’s inspections indicate deficiencies in the SWPPP or any BMP; (d) City of Springfield or Department of Natural Resources notify you in writing of deficiencies in the SWPPP; (e) SWPPP is determined to be ineffective in minimizing or controlling erosion and sedimentation; (f) City of Springfield or Department of Natural Resources determine violations of water quality standards may occur or have occurred.</p>	<input type="checkbox"/> New amendment detail added to SWPPP	<p>Date:</p> <p>Explanation of amendment found on ESC plan:</p>
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<p>Grading and Stabilization Log – Create a log here of grading and stabilization. Interim stabilization must be initiated immediately and completed within 14 calendar days where soil disturbing activities have temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days. Final stabilization of disturbed areas must be initiated immediately and completed within 14 calendar days whenever soil disturbing activities have permanently ceased on any portion of the site. Slopes greater than 3:1 or greater than 3% and 150 feet in length shall establish interim stabilization within 7 days. Until stabilization is complete, interim sediment control shall consist of well-established and maintained BMPs. Stabilization refers to vegetation and/or non-vegetative protective cover to prevent erosion and sediment loss.</p>	<input type="checkbox"/> Construction temporarily ceased <input type="checkbox"/> Temporary BMPs are in place <input type="checkbox"/> Construction permanently ceased <input type="checkbox"/> Stabilization has begun <input type="checkbox"/> Stabilization is complete	<p>Date:</p> <p>Location:</p> <p>Temporary BMPs:</p> <p>Permanently Stabilized by:</p> <input type="checkbox"/> Mulch <input type="checkbox"/> Rock <input type="checkbox"/> Concrete/Asphalt <input type="checkbox"/> Hydroseed <input type="checkbox"/> Sod <input type="checkbox"/> Seed and Straw <input type="checkbox"/> Other:
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Unless otherwise noted, all corrective actions must be completed by:

Training: The person designated as the Environmental Lead, and the person designated to conduct self-inspections (if different) are required to have knowledge in erosion, sediment, and stormwater control principles, knowledge of the permit, and the site’s SWPPP.

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

Name: _____ Title: _____ Signature: _____

Appendix F: Site Maps, Plans and Details Sheet

Instructions:

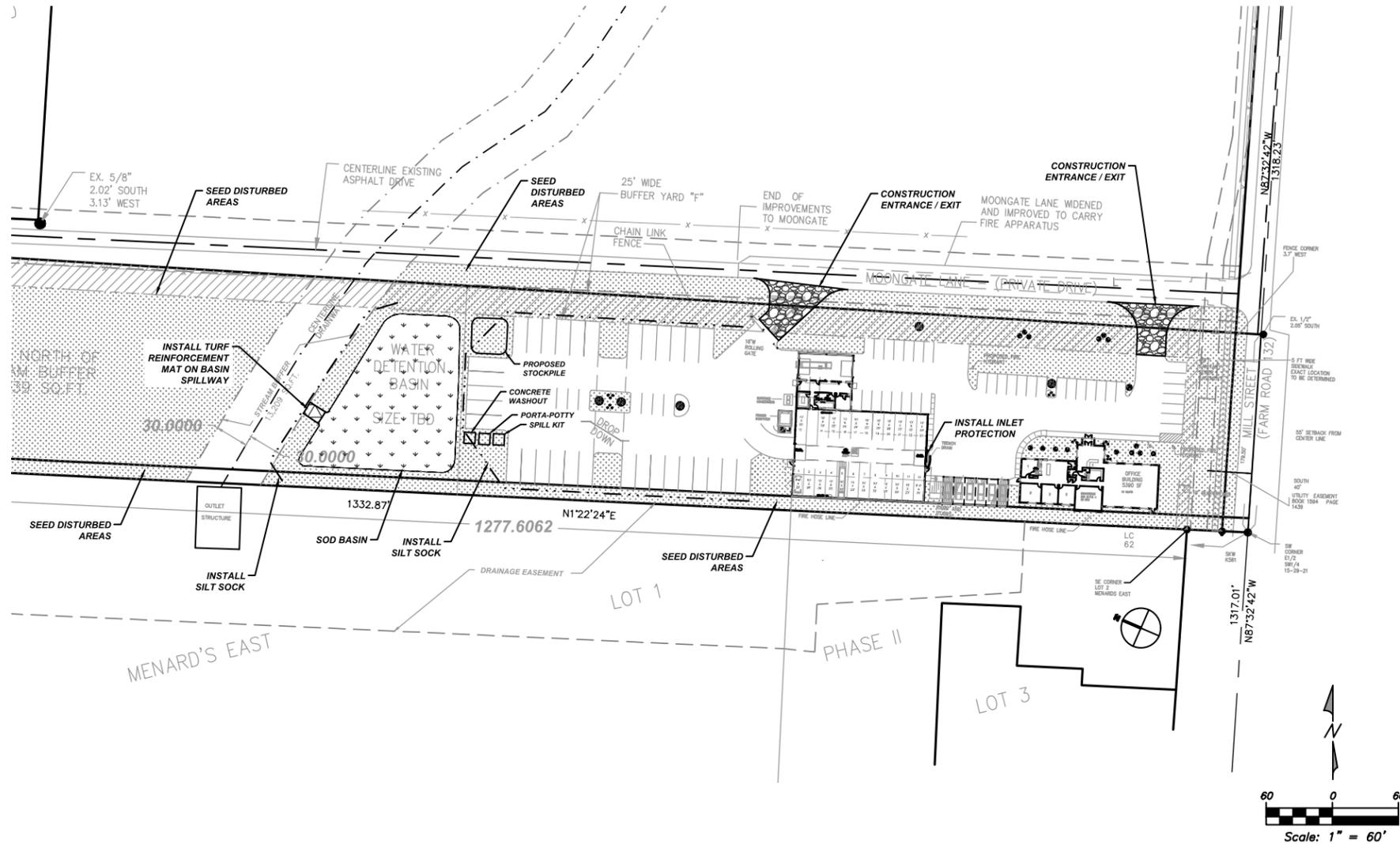
- Attach a general location map. You may utilize the City of Springfield’s GIS Viewer program to create a general location map: <https://maps.springfieldmo.gov/GISviewer/>
- Attach an Erosion and Sediment Control (ESC) Plan including features listed below.
- Attach an Erosion and Sediment Control (ESC) Plan for associated Public Improvement Plans including features listed below.
- Attach BMP Details sheet **with Phasing of Construction Activities Table** in the ESC Plan sheet.
- Attach the stormwater infrastructure site plan.
- Attach the landscape plan including tree preservation and new plantings.
- Attach a tree preservation plan if applicable.

BMP DESIGN DETAIL, DESCRIPTION AND NARATIVE NOTES ARE PROVIDED ON EROSION SEDIMENT CONTROL DETAIL SHEET AND LISTED ON PHASING PLAN. ALL BMPS ARE SHOWN ON EROSION CONTROL PLAN.

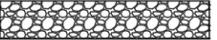
The erosion and sediment control site map(s) must include the following features:

- Limits of disturbance
- Property lines
- Labeled outfall(s)
- Geologic features (springs, sinkholes and caves)
- Locations where stormwater discharges to surface water and all waters of the State (including wetlands)
- Drainage patterns and slopes anticipated before and after major grading activities are completed
- Areas of soil disturbance and areas that will not be disturbed (perimeter control options: are there any areas where perimeter control could be substituted with a vegetated buffer?)
- Existing and planned streets, buildings and parking lots
- Location of stormwater inlets and conveyances including ditches, pipes, man-made conduits, and swales.
- Location and phase of permanent Stormwater Control Measures (SCMs), including permanent erosion control
- Location and phase of installation of temporary structural and non-structural Best Management Practices (BMPs)
- Temporary sanitary facility and trash receptacles
- Material storage areas, vehicle/equipment fueling, batch plants, maintenance areas, concrete wash-outs and spill kits
- Locations of stockpiles and off-site borrow/fill areas
- Areas of stabilization and description of stabilization method: hydroseed, seed/straw, sod, mulch, rock, paved, etc
- Protected features: trees, natural vegetation, buffer strips, steep slopes, surface waters, sinkholes, etc
- Specify where existing vegetation and trees will be preserved where practical
- Areas where final stabilization has been accomplished and no further construction-phase permit requirements apply
- A legend which includes all symbols
- Locations where stabilization practices are expected to occur
- Locations of all waters of the state (including wetlands) within the site and half a mile downstream of the site’s outfall

****ATTACH ALL MAPS, PLANS AND DETAIL SHEETS HERE**

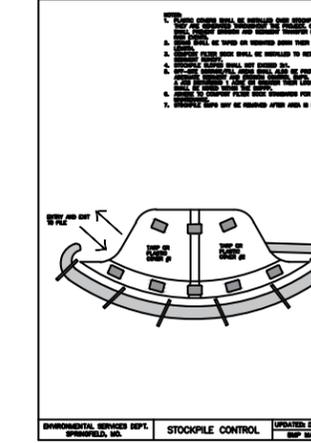
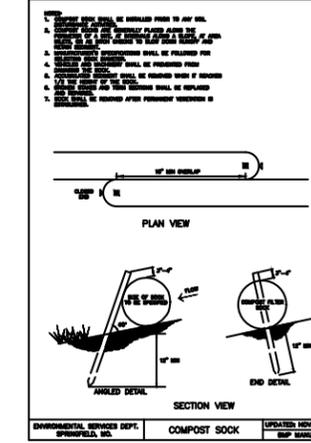
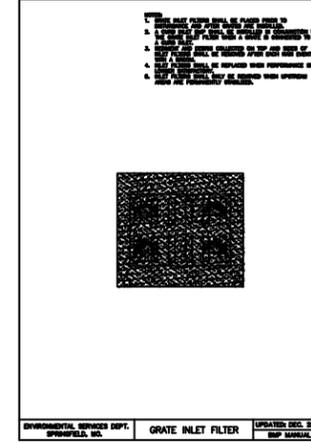
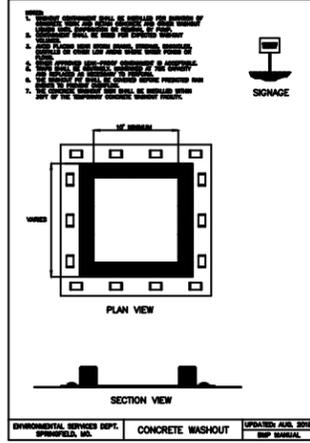
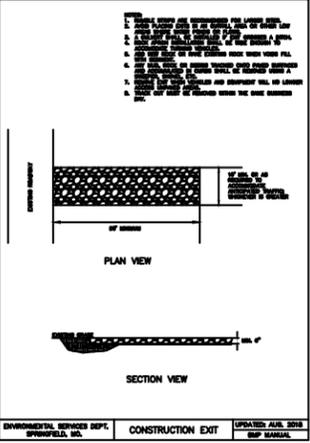


EROSION CONTROL LEGEND:

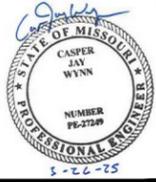
-  PROPOSED CONSTRUCTION ENTRANCE
-  PROPOSED SEEDING
-  PROPOSED SODDING
-  EROSION CONTROL BLANKET / TURF REINFORCEMENT MAT
-  FIBER ROLLS
-  INLET PROTECTION

TEMP. EROSION CONTROL NOTES:

1. THIS PLAN SHOWS THE LOCATION AND DETAILS FOR PRIMARY SEDIMENT CONTROL TO BE CONSTRUCTED. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING EROSION AND DISCHARGE OF SEDIMENT FROM THE SITE AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE NECESSARY MEASURES DURING ALL PHASES OF OPERATIONS REGARDLESS OF WHETHER THEY ARE SPECIFICALLY NOTED ON THIS PLAN AND SHALL MAINTAIN AND REPLACE CONTROLS AS NECESSARY DURING THE COURSE OF HIS OPERATIONS.
2. GRAVEL BAGS AND FIBER ROLLS OR OTHER INITIAL SEDIMENT CONTROLS SHOWN ON THIS PLAN MUST BE INSTALLED PRIOR TO ANY OTHER WORK. GRAVEL BAGS AND FIBER ROLLS OR OTHER CONTROLS SHALL BE INSPECTED AND MAINTAINED ONCE A WEEK AND AT THE HALF WAY POINT OF CONSTRUCTION.
3. THE CONTRACTOR SHALL CLEAN SWEEP AND VACUUM STREETS BOTH INTERIOR AND ADJACENT TO THE SITE DAILY, AND AS NEEDED FOR THE ON SITE INSPECTOR; AFTER EACH RAINFALL, AFTER COMPLETION OF EACH CONSTRUCTION PHASE, AND AT THE END OF CONSTRUCTION.
4. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST DURING CONSTRUCTION AND SHALL WATER CONSTRUCTION AREAS WHENEVER CONDITIONS WARRANT.
5. THE CONTRACTOR SHALL PREVENT STORM PIPES FROM ACCUMULATING SEDIMENT AS THEY ARE INSTALLED.
6. THE CONTRACTOR IS RESPONSIBLE FOR DEWATERING AS NEEDED. DURING DEWATERING, WATER SHOULD NOT BE RETURNED DIRECTLY TO WATERWAY BUT SHALL BE PUMPED UPLAND AND FILTERED THROUGH AN APPROPRIATE TREATMENT DEVICE SUCH AS A DE-WATERING BAG.
7. THE CONTRACTOR SHALL MAINTAIN AND INSPECT EROSION CONTROL MEASURES AND BEST MANAGEMENT PRACTICES THROUGHOUT CONSTRUCTION IN ACCORDANCE WITH THE CONDITIONS OF THE LAND DISTURBANCE PERMIT. COPIES OF THE LAND DISTURBANCE PERMIT AND STORM WATER POLLUTION PREVENTION PLAN SHALL REMAIN ON SITE THROUGHOUT CONSTRUCTION.
8. PHASING AND SEQUENCING IS ONE OF THE BEST BMP'S. WORK IN THE ACTIVE CHANNELS AND/OR ON SLOPES SHALL TO BE KEPT TO AS SHORT OF A DURATION AS POSSIBLE. AREAS NOT INSIDE A COFFER DAM SHALL BE STABILIZED IN 2 DAYS.
9. UTILITY WORK CANNOT OCCUR UNTIL BMP'S ARE INSTALLED AND A PERMIT HAS BEEN ISSUED.
10. NO STOCKPILES ARE TO BE PLACED IN FRONT OF INLETS OR IN A DRAINAGE CHANNEL.
11. CONTRACTOR SELECTED STAGING AREA SHALL PROVIDE PROTECTION FROM ALLOWING SEDIMENT, DEBRIS OR RESIDUE FROM ENTERING OR LEAVING THE PROJECT SITE. ALL STOCKPILES SHALL BE PROTECTED WITH THE APPROPRIATE BMP'S. ANY AND ALL BMP'S, REQUESTED BY OWNER, TO COMPLY WITH THE ABOVE SHALL BE INSTALLED AND MAINTAINED IMMEDIATELY BY CONTRACTOR AT THEIR EXPENSE. LOCATION SHALL BE DISCUSSED AT PRE PERMIT MEETING.
12. CONSTRUCTION EXIT SHALL BE INSTALLED AS NECESSARY TO PREVENT TRACK-OUT. LOCATIONS MAY VARY DEPENDING ON CONTRACTORS SELECTED MEANS & METHODS. OWNER MAY AT ANY TIME OR FROM TIME TO TIME REQUEST ADDITIONAL EXITS, DEPENDING ON SITE CONDITIONS.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EROSION CONTROL MEASURES DURING THE ENTIRE CONSTRUCTION PERIOD. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES UNLESS OTHERWISE NOTED.
14. EROSION CONTROL BLANKET SHOULD BE ONE WITH ALL NATURAL MATERIALS INSTEAD OF PLASTIC NETTING SUCH AS NORTH AMERICAN GREEN BIONET OR CURLEX FIBERNET.
15. THE CONTRACTOR SHALL CONTAIN SAWCUT SLURRY AND PREVENT SLURRY FROM ENTERING STORM DRAINS.
16. THE CONTRACTOR SHALL PLACE EROSION AND SEDIMENT CONTROL BARRIERS AROUND ANY STORM INLET THAT RECEIVE STORM WATER FROM THE CONSTRUCTION AREA.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ANY ADDITIONAL BMP'S NEEDED TO KEEP SEDIMENT AND OR POLLUTANTS FROM LEAVING THE SITE.
18. ALL AREAS DISTURBED, CUT, GRADED OR LEFT WITHOUT GRASS WILL NEED PERMANENT STABILIZATION WITHIN 14 DAYS.
19. IF STABILIZATION CANNOT BE ACHIEVED WITHIN 14 DAYS, TEMP BMP'S WILL BE REQUIRED. THESE ADDITIONAL BMP'S AS REQUESTED BY OWNER ARE CONSIDERED INCIDENTAL TO CONTRACT.
20. REFER TO STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
21. ALL CHANGES TO ESC PLAN AND PHASES NEED TO BE APPROVED BY THE CITY'S WATER QUALITY INSPECTOR.
22. ALL TYPE II ROCK BLANKETS SHALL BE CONSTRUCTED OF WELL GRADED GRANULAR BACKFILL AS PER DETAIL STANDARDS.



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 SPRINGFIELD, MISSOURI**

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 CAD FILE: SOL & EROSION CONTROL PLAN
 DRAWN BY: CJW
 DATE: 01-25-24
 REVISION:

DWG. NO.
C0.1
 SOL & EROSION CONTROL PLAN

Appendix G: Site Sign

**LAND DISTURBANCE PERMIT
STORMWATER POLLUTION PREVENTION PLAN
PERMITTED BY:**

MISSOURI STATE OPERATING PERMIT NUMBER:

MORA_____

CITY LAND DISTURBANCE PERMIT NUMBER:

LDP20_____-000_____

ANYONE WITH QUESTIONS OR CONCERNS ABOUT THE WATER QUALITY OR POTENTIAL POLLUTION LEAVING THIS SITE, PLEASE CONTACT THE CITY OF SPRINGFIELD'S ENVIRONMENTAL SERVICES DIVISION AT 417-864-1169.

Contact Name	
Contact Cell Phone	
Project Name	
SWPPP Location	
Spill Kit Location	

Stormwater Quality
Environmental Resource Center • 290 E. Central St.
Springfield, Missouri 65802 • 417-864-1996 • springfieldmo.gov

