

Stormwater Pollution Prevention Plan (SWPPP)

Branson Municipal Code Section 94-10 requires that a permit must be obtained by a responsible party prior to commencing land disturbance activity.

PROJECT NAME: _____

PROJECT ADDRESS: _____

CITY, STATE, ZIP: _____, _____, _____

SWPPP Prepared For:

COMPANY OR ORGANIZATION NAME: _____

RECORDED PROPERTY OWNER: _____

Contact Name (for LLCs, contact name must be a managing member): _____

ADDRESS 1: _____

ADDRESS 2 (OPTIONAL): _____

CELL PHONE NUMBER: _____

OFFICE PHONE NUMBER: _____

EMAIL: _____

SWPPP Prepared By:

COMPANY OR ORGANIZATION NAME: _____

NAME: _____

ADDRESS 1: _____

ADDRESS 2 (OPTIONAL): _____

CELL PHONE NUMBER: _____

OFFICE PHONE NUMBER: _____

EMAIL: _____

Estimated Project Duration: _____ Months OR _____ Years

SWPPP Preparation Date: _____

Estimated Project Start Date: _____

Estimated Project Completion Date: _____

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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

Size of Construction Project

TOTAL ACREAGE OF PROPERTY: Acres
 TOTAL ACREAGE TO BE DISTURBED BY ACTIVITY: Acres

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

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 Branson’s GIS Viewer program found on the website.
<https://gis.bransonmo.gov/webgis/rest/services/Applications/BransonStormwater/FeatureServer/7>

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

List Receiving Waters

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 2020 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.

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:

COMPANY OR ORGANIZATION NAME
NAME
INSERT ADDRESS
INSERT CITY, STATE, ZIP CODE
INSERT CELL PHONE NUMBER
EMAIL

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

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, _____ (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)

_____ .
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 _____

Company _____

Cell Phone _____

Email _____

[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.

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

**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.

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 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.

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.

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 3.60 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. 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 BRANSON'S BMP DETAILS ARE DESIGNED TO PROVIDE ALL NECESSARY NARRATIVE INFORMATION IN THE BMP NOTES. THESE DETAILS are in the Sediment and Erosion Control Section of the City of Bransons's Technical Specifications for Public Improvement Projects documents found here: <https://bransonmo.gov/154/Public-Improvement-Technical-Specificati>

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	CONSTRUCTION EXIT		
	A2	EXISTING STORM CULVERT PROTECTION		
	A3	COMPOST FILTER SOCK		
	A4	TREE PROTECTION FENCING		
B – CLEARING AND MASS GRADING	B1	COMPOST FILTER SOCK		
	B2	TEMPORARY SEEDING		
	B3	ROCK CHECK DAM		
D – BUILDING CONSTRUCTION	C1	CONCRETE WASH-OUT PIT		
	C2	INLET PROTECTION		
E – FINAL STABILIZATION	D1	HYDROSEED		
	D2	TURF REINFORCEMENT MAT		

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 river bank, 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 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: <https://bransonmo.gov/154/Public-Improvement-Technical-Specificati>
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 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 off (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:
<https://bransonmo.gov/DocumentCenter/View/162/Design-Criteria-for-Public-Improvement-Projects-PDF?bidId>

≡
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.

4.5 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

Borrow/Fill site

State Permit # _____

COMPANY OR ORGANIZATION NAME _____

ADDRESS _____

CELL PHONE NUMBER _____

EMAIL _____

Disposal site

State Permit # _____

COMPANY OR ORGANIZATION NAME _____

ADDRESS _____

CELL PHONE NUMBER _____

EMAIL _____

4.6 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.

4.7 *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.

Best Management Practice Applicable: <https://bransonmo.gov/154/Public-Improvement-Technical-Specificati>
**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.**

4.8 *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.

4.9 *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: <https://bransonmo.gov/154/Public-Improvement-Technical-Specificati>
**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.**

4.10 *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

Best Management Practice Applicable: <https://bransonmo.gov/154/Public-Improvement-Technical-Specificati>
**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.**

4.11 Temporary 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

Best Management Practice Applicable: <https://bransonmo.gov/154/Public-Improvement-Technical-Specificati>
**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.**

4.12 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:

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:

4.13 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

4.14 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 inspection shall be noted on a log or on the inspection report.

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

4.15 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: <https://bransonmo.gov/154/Public-Improvement-Technical-Specificati>
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.

4.16 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](#)

- 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.

4.17 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](#)

- 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.

4.18 *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](#)

- 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.

4.19 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

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: [DESCRIBE HERE](#)

Best Management Practice Applicable: <https://bransonmo.gov/154/Public-Improvement-Technical-Specificati>
<https://www.springfieldmo.gov/2122/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
- Hydroseed
- Sod
- Other: [DESCRIBE HERE](#)

Best Management Practice Applicable: <https://bransonmo.gov/154/Public-Improvement-Technical-Specificati>

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.

5.3 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 (Explain Below)

Stabilization practice selected:

- Tackifier/Soil Binder
- Sod
- Concrete/Asphalt
- Other: [DESCRIBE HERE](#)
- Mulch
- Seed and Straw
- Hydroseed

Best Management Practice Applicable: <https://bransonmo.gov/154/Public-Improvement-Technical-Specificati>
**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:

- 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 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.

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 general permit. General permits are usually valid for five years and may be re-authorized by USACE. 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.

INSERT COVER PAGE OF YOUR STATE OPERATING PERMIT AS ISSUED BY THE MISSOURI DEPARTMENT OF NATURAL RESOURCES INTO APPENDIX B.

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: Natural Heritage Review@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.

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.

APPENDIX

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

B. Missouri State Operating Permit MORA00000 Cover Page

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

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

Insert Here

Appendix B: Missouri State Operating Permit MORA00000 Cover Page

Insert Here

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

Insert Here

Appendix D: State Historic Preservation 106 Review Documents

Insert Here

Appendix E: Self-Inspection Form

BMP Self-Inspection: Land Disturbance Permit

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. A suite of GIS maps are available on the City of Branson’s website: <https://bransonmo.gov/153/GIS-Sample-Maps>
- 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 (design must conform to city design standards).

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
 - All environmentally critical areas including, but not limited to watercourses, wetlands, surface water bodies, and known karst features.
- 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**