

STORMWATER POLLUTION PREVENTION PLAN

Designed in accordance with the Missouri State Operating Permit

MCPL Lee's Summit Branch

Permit Tracking # MORA_____

Owner/Operator:

Mid-Continent Public Library
5616 E US Hwy 24
Independence, MO 64050

Prepared by:

Olsson
7301 W 133rd Street, Suite 200
Overland Park, KS 66213
913.381.1170

May 2021

SWPPP Certification (to be signed by permittee):

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

Date: _____



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SECTION 1

Delegation Statements & Contractor Certifications

Delegation Statement(s) for applicable personnel should be kept in this section. Contractor Certification Statements that contain contact information for those responsible for specific activities on the project should also be kept here.

Contractor/Subcontractor Certification

Project Name: _____

Permit Number: _____

Project Owner: _____

As a contractor/subcontractor, you are required to comply with the Stormwater Pollution Prevention Plan (SWPPP) for any work that you perform on-site. Any person or group who violates any condition of the SWPPP may be subject to substantial penalties or loss of contract. 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 available for your review upon request.

Each contractor/subcontractor engaged in activities at the construction site that could impact stormwater should 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.

This certification is hereby signed in reference to the project named above:

Service Provided: _____

Company Name: _____

Address: _____

Telephone: _____

Representative: _____

Title: _____

Signature: _____

Date: _____

Delegation of Authority

I, _____, hereby designate the person(s) or specifically described position(s) below to be a duly authorized representative(s) for the purpose of overseeing compliance with environmental requirements, including the Missouri State Operating Permit.

Duly Authorized Representative:

Name or Position: _____

Company: _____

Address: _____

Phone: _____

Email: _____

By signing the certification below, I certify that I meet the signing requirements J.5.a of the Missouri State Operating Permit, 40 CFR 122.22 and 10 CSR 20-6.010 for this project.

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

Permittee Name: _____

Company: _____

Title: _____

Signature: _____

Date: _____

SECTION 2

Permit Authorization & Missouri State Operating Permit

Permit authorization from the MDNR and a copy of the Missouri State Operating Permit will be kept in this section.

The Application for Land Disturbance Stormwater General Permit was completed through the Missouri Gateway for Environmental Management at

<https://dnr.mo.gov/mogem/>.

SECTION 3

SWPPP Narrative

SWPPP NARRATIVE CONTENTS

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1.0. PROJECT CONTACT INFORMATION

Parties directly related to the compliance of the site are listed below. Any blank contacts were not known at the time of SWPPP creation and should be filled in when contractors are assigned.

Owner/Operator

Mid Continent Public Library
Jacob Wimmer
15616 East 24 Highway
Independence, MO 64050
816-836-5200
jwimmer@mymcpl.org

General Contractor

JE Dunn
Eric Nickeson
1001 Locust Street
Kansas City, MO 64106
816-283-9056
Eric.Nickeson@jedunn.com

SWPPP Preparer

Olsson Associates
Terry M. Parsons
7301 W. 133rd Street, Ste 200
Overland Park, KS 66213
913-634-0903
tparsons@olsson.com

SWPPP Inspections

Company Name
Contact Name
Address
City, State Zip Code
Phone
Email

Best Management Practices (BMP) Installation

Company Name
Contact Name
Address
City, State Zip Code
Phone
Email

BMP Maintenance

Company Name
Contact Name
Address
City, State Zip Code
Phone
Email

Should any of the above personnel change, tables will be updated and noted on the Amendment Log found in Section 7 and additional Contractor Certification Sheets will be added to Section 1 of this SWPPP.

2.0. INTRODUCTION AND DEFINITIONS

This document was created to comply with the Missouri State Operating Permit (MO-RA) in compliance with the Missouri Clean Water Law (Chapter 644 R.S. Mo. as amended) and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress). Relevant local ordinances are incorporated in Section 8 of this SWPPP. Permit language incorporated into this document will be denoted by *italics*.

The purpose of the SWPPP is to ensure the design, implementation, management, and maintenance of best management practices (BMPs) in order to prevent sediment and other pollutants in stormwater discharges associated with the land disturbance activities; compliance with the Missouri Water Quality Standards; and compliance with the terms and conditions of the general permit.

2.1. ACRONYMS

AST.....	aboveground storage tank
BMP	best management practice
MDNR.....	Missouri Department of Natural Resources
ESA	environmental site assessment
ESC	erosion and sediment control
MO-RA.....	Missouri State Operating Permit
MS4	municipal separate storm sewer system
NRC.....	National Response Center
REC	recognized environmental condition
SPCC.....	spill prevention control and countermeasures plan
SVOC	semivolatile organic compound
SWPPP.....	stormwater pollution prevention plan
TMDL.....	total maximum daily load
TOC	total organic carbon
VOC.....	volatile organic compound

2.2. DEFINITIONS

Department

The Missouri Department of Natural Resources

Duly Authorized Representative

The representative authorized by the permittee. The duly authorized representative is responsible for the overall operation of the facility from which the discharge occurs. The authorization is made in writing by the permittee and is submitted to the director.

Permit

Missouri State Operating Permit (MO-RA)

Signatory Requirements

All permit applications, reports required by the permit, or information requested by the Department shall be signed and certified (MDNR 2017).

- Signatory for a corporation: an individual having responsibility for the overall operation of the regulated facility or activity, such as the plant manager, or by an individual having overall responsibility for environmental matters at the facility.
- Signatory for a partnership or sole proprietorship: a general partner or the proprietor, respectively.
- Signatory for a municipal, state, federal, or other public facility: either a principal executive officer or an individual having overall responsibility for environmental matters at the facility.

Documents submitted to the MDNR should be certified by the following statement:

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

3.0. SITE DESCRIPTION

Project Name: [Mid Continent Public Library – Lee's Summit Branch](#)

Project Location:

Total project area: [3.2 acres](#)

Area to be disturbed: [3.2 acres](#)

Anticipated start date: [May 2021](#)

Anticipated end date: [March 2021](#)

Past use: [Existing Library](#)

Historic Preservation Information: [\(insert text\)](#)

Endangered Species Information: [\(insert text\)](#)

Existing conditions: [Existing MCPL Library](#)

Description of Construction Activity: [Construct a 1 story 6400 sf public library building addition with associated drives and parking.](#)

Table 1. Anticipated Sequence of Construction.

EROSION CONTROL STAGING CHART				
PROJECT STAGE	EROSION CONTROL BMP REFERENCE NO.	BMP DESCRIPTION	REMOVE AFTER STAGE	NOTES:
A – PRE-CONSTRUCTION	A1	TEMPORARY CONSTRUCTION ENTRANCE	C	INSTALL AS INDICATED ON PLANS
	A2	CONCRETE WASHOUT	C	INSTALL AS INDICATED ON PLANS
	A3	TEMPORARY SLOPE BARRIER (SEDIMENT FENCE)	D	INSTALL AS INDICATED ON PLANS
	A4	STAGING / STOCKPILE AREA	C	INSTALL AS INDICATED ON PLANS
	A5	EXISTING CURB INLET PROTECTION – TEMPORARY SEDIMENT BARRIER – CONDITION A	C	INSTALL AS INDICATED ON PLANS
	A6	TEMPORARY SEDIMENT TRAP	C	INSTALL AS INDICATED ON PLANS
	A7	TEMPORARY DIVERSION BERM	C	INSTALL AS INDICATED ON PLANS
B – STORM SEWER & UTILITY CONSTRUCTION (STABILIZE ANY DISTURBED AREAS OUTSIDE OF BUILDING PADS AND PARKING LOTS)	B1	TEMPORARY SEDIMENT BARRIER – CURB INLET – CONDITION A	C	INSTALL AS INDICATED ON PLANS
	B2	TEMPORARY SEDIMENT BARRIER – JUNCTION BOX – CONDITION A	C	INSTALL AS INDICATED ON PLANS
	B3	TEMPORARY EROSION CONTROL BLANKET (LANDLOK S2)	C	INSTALL AS INDICATED ON PLANS
C – BUILDING AND PAVEMENT CONSTRUCTION	C1	TEMPORARY SEDIMENT BARRIER – CURB INLET – CONDITION B	D	INSTALL AS INDICATED ON PLANS
	C2	TEMPORARY SEDIMENT BARRIER – JUNCTION BOX – CONDITION B	D	INSTALL AS INDICATED ON PLANS
D – FINAL STABILIZATION	D1	REPLACE TOP SOIL, SEED MULCH, SOD, LANDSCAPE	N/A	ESTABLISH PERENNIAL VEGETATION WITH A 70% DENSITY OVER 100% OF DISTURBED AREA.

Location of nearby or on-site surface waters: [Roadside ditch on east side of site.](#)

Table 2. Outfalls.

#	Type	Location	Drainage Area
1	Existing roadside ditch to storm structure	SE corner of property	6.2 Acres

Receiving Waters: [Unnamed Tributary to Cedar Creek](#)

4.0. EROSION AND SEDIMENT CONTROLS

Temporary BMPs used during active construction of the project will be listed below. Specific erosion and sediment control requirements found in the permit are also located here and should be addressed in the erosion and sediment control (ESC) plan sheets located in Section 5 of this SWPPP.

Table 3. Anticipated BMPs.

BMP		BMP	
Site Preparation		Sediment Control	
SWPPP Sign	<input checked="" type="checkbox"/>	Silt fence	<input checked="" type="checkbox"/>
Construction exit	<input checked="" type="checkbox"/>	Inlet protection	<input checked="" type="checkbox"/>
Wash rack	<input checked="" type="checkbox"/>	Diversion berm	<input type="checkbox"/>
Temporary stream crossing	<input type="checkbox"/>	Filter berm	<input type="checkbox"/>
Surface roughening	<input type="checkbox"/>	Outlet protection	<input checked="" type="checkbox"/>
Tree protection	<input checked="" type="checkbox"/>	Check dam	<input type="checkbox"/>
Erosion Control		Sediment trap	<input type="checkbox"/>
Dust control	<input checked="" type="checkbox"/>	Sediment basin	<input type="checkbox"/>
Mulch	<input checked="" type="checkbox"/>	Pollution Prevention	
Erosion control blankets	<input type="checkbox"/>	Stockpile	<input checked="" type="checkbox"/>
Temporary seeding	<input checked="" type="checkbox"/>	Concrete washout	<input type="checkbox"/>
Permanent seeding	<input checked="" type="checkbox"/>	Solid waste management	<input checked="" type="checkbox"/>
Hydroseeding	<input type="checkbox"/>	Sanitary waste management	<input checked="" type="checkbox"/>
Sodding	<input checked="" type="checkbox"/>	Material staging areas	<input checked="" type="checkbox"/>
Slope protection	<input type="checkbox"/>		<input type="checkbox"/>

Specification and detail sheets can be found in Section 6 of this SWPPP.

During construction, if additional BMPs not listed in Table 3 are required, the SWPPP will be amended. The BMP specification and detail sheets of the new BMPs should be added to Section 6 of this SWPPP, the locations noted on the BMP Tracking Map located in Section 5, and the change noted in the Log of Amendments located in Section 7 of this SWPPP.

4.1. EROSION AND SEDIMENT CONTROL DESIGN REQUIREMENTS

ESC plans for the project can be found in Section 5 of this SWPPP. Excerpts of these plans will be used as the basis of the BMP Tracking Map located in Section 5 of this SWPPP.

Ensure the design, installation and maintenance of effective erosion and sediment controls to minimize the discharge of pollutants. At a minimum, such controls must be designed, installed and maintained to:

- a. Control stormwater volume and velocity within the site to minimize soil erosion;*
- b. Control stormwater discharges, including both peak flow rates and total stormwater volume, to minimize erosion at outlets and to minimize downstream channel and stream bank erosion;*
- c. Minimize the amount of soil exposed during construction activity;*
- d. Minimize the disturbance of steep slopes;*
- e. Minimize sediment discharges from the site. Design, install and maintain erosion and sediment controls that address factors such as the amount, frequency, intensity and duration of precipitation, the nature of resulting stormwater runoff, and soil characteristics, including the range of soil particle size expected to be present on the site;*
- f. Provide and maintain natural buffers around surface waters as detailed in 8.f (of the permit), direct stormwater to vegetated areas to increase sediment removal and maximize stormwater infiltration and filtering, unless infeasible; and*
- g. Minimize soil compaction and, unless infeasible, preserve topsoil.*
- h. Capture or treat a 2-year, 24-hour storm event. A 2-year, 24-hour storm event shall be determined for the project location using the National Oceanic and Atmospheric Administration's National Weather Service Atlas 14 which can be located at <http://hdsc.nws.noaa.gov/hdsc/pfds/> (MDNR 2017).*

4.2. TREE AND VEGETATION PRESERVATION

Areas where existing trees and vegetation are preserved on-site can be found on the ESC plan sheets located in Section 5 of this SWPPP.

4.3. NATURAL BUFFERS

When applicable, natural buffers will be identified on the ESC plans located in Section 5 of this SWPPP.

For surface waters of the state, defined as "all waters within the jurisdiction of this state, including all rivers, streams, lakes and other bodies of surface and subsurface water lying within or forming a part of the boundaries of the state which are not entirely confined and located completely upon lands owned, leased or otherwise controlled by a single person or by two or more persons jointly or as tenants in common, located on or adjacent to the site, the permittee must:

- a. Provide and maintain a 50-foot undisturbed natural buffer;*

- 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. *Where you are 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:*
 - a. *The ordinary high water mark of the water body, defined as the line on the shore established by fluctuations of the 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*
 - b. *The edge of the stream or river bank, bluff, or cliff, whichever is applicable (MDNR 2017).*

4.4. STABILIZATION REQUIREMENTS

The permit requires specific stabilization schedules depending on activity level and slope characteristics.

Table 4. Stabilization Requirements.

Situation	Stabilization Requirement
Soil-disturbing activities that have temporarily ceased on any portion of the site and will not resume for more than 14 calendar days.	Construct BMPs to establish interim stabilization; stabilization must be initiated immediately and completed within 14 calendar days. *
Soil-disturbing activities that have permanently ceased.	Final stabilization of disturbed areas must be initiated immediately and completed within 14 calendar days. *
Slopes with a greater than 3:1 ratio or slopes greater than 3% and greater than 150 feet in length.	Establish interim stabilization within 7 days of ceasing operations.

**Allowances to the 14-day completion period for temporary and final stabilization may be made because of weather and equipment malfunctions. The use of the allowances shall be documented in the SWPPP (MDNR 2017) and can be found in Section 5 of this SWPPP.*

5.0. STORMWATER MANAGEMENT CONTROLS

When applicable, permanent stormwater management BMPs will be listed and described here. Design specifications and details can be found in Section 6 of this SWPPP if applicable. These BMPs will remain in place to provide for stormwater management after construction has completed and the permit terminated.

Table 5. Post Construction Stormwater Management BMPs.

Type	Location	Receiving Water	Area Treated
Not Required			

6.0. POLLUTION PREVENTION AND SPILL REPORTING

Good housekeeping practices shall be maintained at all times to keep waste from entering waters of the state. Below are lists of prohibited discharges, authorized non-stormwater discharges, and potential pollutants that will likely be on-site during construction. Suggested BMPs to help resolve potential discharges from non-stormwater discharges as well as potential pollutants are discussed.

6.1. PROHIBITED DISCHARGES

- *Any hazardous material, oil, lubricant, solid waste or other non-naturally occurring substance from the site, including fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance;*
- *Soaps or solvents used in vehicle and equipment washing;*
- *Hazardous substances or petroleum products from an on-site spill or handling and disposal practices;*
- *Wash and/or rinse waters from concrete mixing equipment including ready mix concrete trucks, unless managed by an appropriate control. Any such pollutants must be adequately treated and addressed in the SWPPP, and cannot be discharged to waters of the state;*
- *Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds and other construction materials;*
- *Domestic wastewaters, including gray waters; or*
- *Industrial stormwater runoff (MDNR 2017).*

6.2. AUTHORIZED NON-STORMWATER DISCHARGES

The below signified discharges are anticipated to occur on-site.

- ☒ *De-watering activities if there are no contaminants other than sediment present in discharge, and the discharge is treated as specified in Section C.8.m of the permit*
- ☒ *Flushing water hydrants and potable water lines*
- ☒ *Water only (i.e., without detergents and additives) rinsing of streets and buildings*
- ☒ *Site watering to establish vegetation*

Potential BMPs used for authorized non-stormwater discharges:

[Dewatering activities if there are no contaminants other than sediment present in discharge, and the discharge is treated as specified in Section C.8.m of the permit](#)

[Discharges from dewatering activities, including discharges from dewatering of trenches and excavations, are prohibited unless managed by appropriate controls. Estimations of the volume of water discharged from these dewatering activities can be recorded in Section 5 of this SWPPP.](#)

Dewatering of sediment-laden water should be discharged to a temporary or permanent sediment basin when possible, so the sediment may be allowed to settle out of suspension. If basins will be used, the existing water level should be inspected and drawn down if necessary.

Dewatering bags may also be used to filter sediment out of the water. They should be placed on a level surface away from slopes to prevent scouring, and water should ideally flow to a vegetated area toward perimeter controls. Premanufactured dewatering bags should be installed and maintained per manufacturer’s recommendations.

Flushing water hydrants and potable water lines

Waters from hydrants and waterline flushing can be erosive and can lead to perimeter controls being overwhelmed. These waters should ideally be directed to clean, paved streets where water may enter the storm sewer system. On projects where this is not possible, diffusers should be used to prevent erosive water velocities, and flush water should be directed to relatively flat, vegetated portions of the project or to temporary or permanent basins.

Water only (i.e., without detergents and additives) rinsing of streets and buildings

Streets should be inspected to confirm sediment and spills have been removed before they are rinsed with water. Inlet protections should remain in place, so water may be filtered before leaving the site.

Stabilization typically occurs before buildings are washed down. Washwater should be directed to stabilized areas or perimeter controls. Water that escapes through paved surfaces should be treated by inlet protections before leaving the site.

Site watering to establish vegetation

Efforts should be taken to time watering activities that are intended to help establish vegetation so watering does not occur prior to or during precipitation. Areas should be watered only in amounts necessary for vegetation to establish or thrive. Irrigated areas should be monitored for overwatering and, if identified, amounts and timing of watering should be adjusted.

6.3. POTENTIAL POLLUTANTS

Potential pollutant sources that are anticipated to be on-site during the project can be found in the table below.

Table 6. Anticipated Potential Pollutants.

The below listed suggested BMPs are meant as initial examples and should be adjusted as site conditions necessitate different BMPs. The table should be amended should additional pollutants and BMPs be utilized onsite that were not originally anticipated.

Material/Activity	Potential Pollutants	Suggested BMPs
Concrete Curing Substances	Sediment, metals, hydrocarbons	Provide secondary containment in preparation and cleanup areas.

		<p>Leftover curing substances should to be removed from the site or disposed of in a designated washout bin or pit designed to contain curing substances.</p> <p>Do not use materials during or directly prior to an anticipated rain event, and ensure excess materials are stored in a covered area to minimize contact with stormwater.</p> <p>Curing compounds should not be washed into a gutter, onto the ground, or into a storm drain inlet.</p>
Concrete Washwater and Masonry Washwater	pH, heavy metals, silica	<p>Concrete washwater will be controlled /contained at a designated location on-site such as a leak-proof container or settling basin of adequate size.</p> <p>Refer to Concrete Washout Specification located in Section 6 of this SWPPP for proper design criteria and use of concrete washout area.</p> <p>The concrete washout area should be cleaned out when it has reached 75% capacity, and dried concrete material should be disposed of in accordance with state and local regulations.</p>
Detergents	pH, chlorine, surfactant	<p>Use of detergents on-site should be discouraged.</p> <p>Washing of vehicles or equipment that requires the use of detergents should occur off-site.</p>
Drywall and Joint Compound	Vinyl acetate, acetaldehyde, calcium sulfate dehydrate, formaldehyde, silica	<p>Drywall and joint compound will be used on the interior of structures.</p> <p>Ideally these materials should be stored inside the structure out of contact of stormwater.</p> <p>If storage inside the structure is not practical, the materials should be placed in a storage container, contractor vehicle, or trailer or otherwise covered to minimize contact with stormwater.</p> <p>Waste products can be disposed of with construction debris as soon as possible and should not be allowed to accumulate on lots.</p>
Fertilizers	Nutrients	<p>Fertilizers can be kept on-site in amounts necessary for immediate use.</p> <p>In the event fertilizers must remain on-site longer, they should be stored in a covered area to minimize contact with precipitation.</p> <p>Refer to the manufacturer's recommendations for application and disposal.</p> <p>Do not over apply or apply before an anticipated runoff-producing rain event.</p>
Form Release Oil	Petroleum hydrocarbons	<p>Do not remove the original product label from container.</p> <p>Store containers in a covered area or in contractor vehicles to minimize contact with stormwater.</p> <p>Follow the manufacturer's recommended usage instructions.</p>

		<p>Do not use before or during any precipitation event.</p> <p>Use all of the product before disposing of the container and only place in a waste receptacle designated to receive this type of waste.</p> <p>If aboveground storage tanks (ASTs) are required, locations will be tracked on the SWPPP map.</p> <p>A separate spill prevention containment and countermeasure (SPCC) plan will be developed should one or more of the following be present on-site:</p> <ul style="list-style-type: none">• A single AST for oil with 660 gallons or more capacity• Two or more ASTs with an aggregate of 1,320 gallons or more capacity (include storage vessels stored above ground with a capacity of 55 gallons or more with the aggregate total capacity)• Belowground oil storage vessels of 42,000 gallons or more <p>Smaller fuel containers and gas-powered equipment should be kept in secondary containment vessels to prevent spills or leaks during fueling and operation. Small gas cans can be kept in the back of trucks when not in use.</p> <p>Drip pans should be used for parked vehicles where leaks have been identified.</p> <p>Soil stained with fuel or other petroleum products should be removed and disposed of in compliance with federal, state, and local requirements.</p>
Fuels and Oils	Petroleum hydrocarbons and distillates	
Grease / Lubricants		

SECTION 4

Location/Topographical Map(s), FIRM Maps & Soils Maps

This section contains:

- Required Location, Vicinity and Topographical Maps (as needed)
- FIRM Maps
- Soils Maps if needed

DWL RQDD PRRG-EPUGDHU)6WVWH



FHQS

4)637 75(6)55 57

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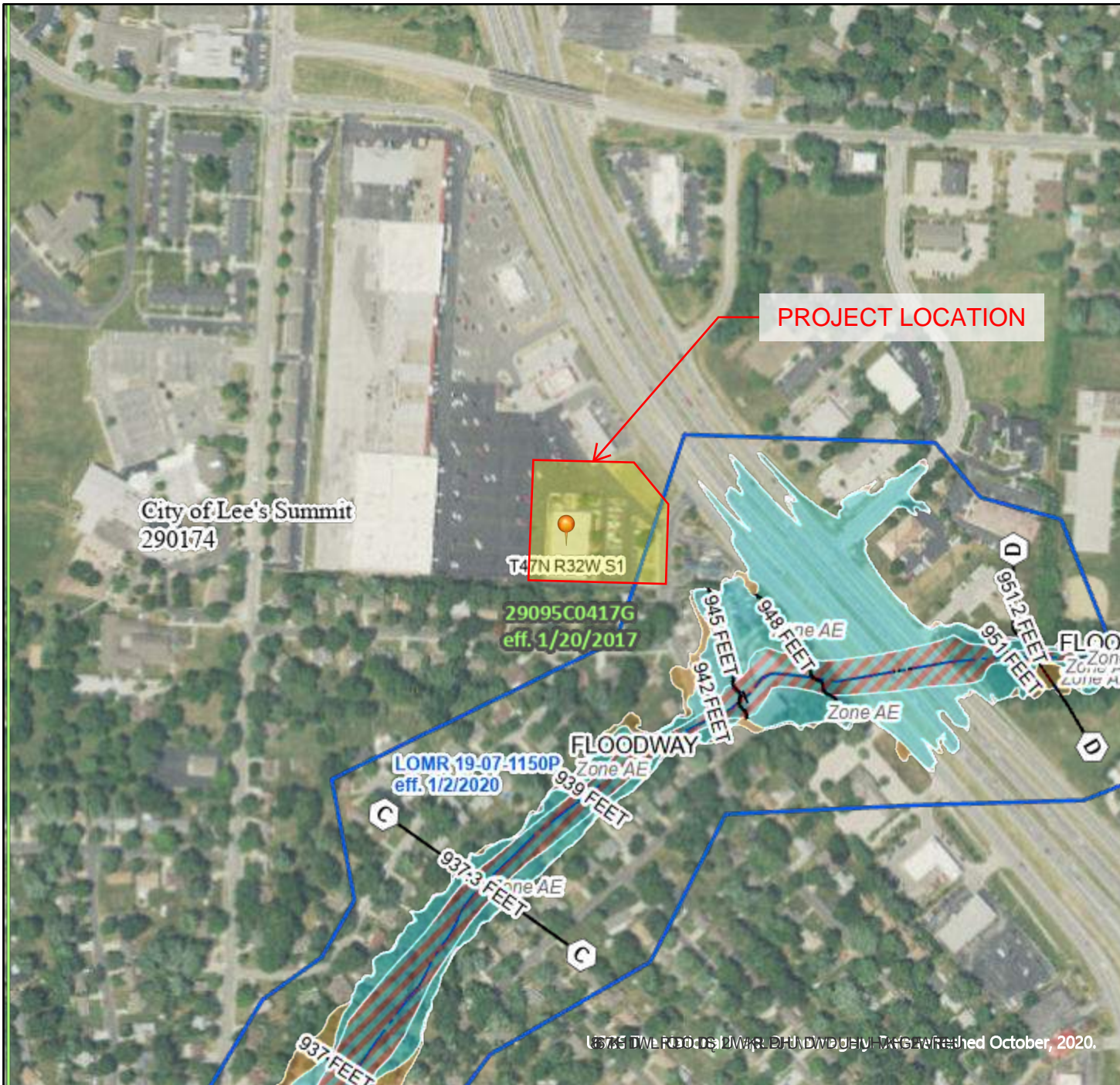
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26\$6 26\$6	<div></div> \$URV \$FWLRQ/Z'WK\$QDD \$QDDH' <div></div> DVHU \$UIDFH'OHVLRQ <div></div> --- \$QD'WDD Z'UDDH'W <div></div> ~~~~~ %DVHPRGQHDVLRQLQH % <div></div> --- LEW R \$VXG <div></div> --- -XULVL\$FWLRQ%\$QDDU <div></div> --- \$QD'WDD Z'UDDH'W %DVHOLQH <div></div> --- \$URLOH%DVHOLQH <div></div> --- \$URUD\$LF'DVXUH
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63\$6	<div></div> L'L'WDD DWD\$QDQDQ <div></div> R'L'L'WDD DWD\$QDQDQ <div></div> \$QD\$G <div></div> 74HS'QL'VSDHGRQWKH\$SLV'DQD\$U'RL'WVH SRLQV V'OHFWHGE'WKH'XHU DQDGRH'QRW UH'UJH DQD'W'KULWDWL'YHSUR\$UW'ORF'DVLRQ
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74LV \$F\$B\$DLH/Z'WK\$QV WQDQDQ'G/IRU WKH'XHR
 Q'L'WDD IORRG\$B/LI'LV LV'QRW YRLGDV'GHVUL\$G\$B'ORZ
 74H'DH\$B\$V'QDQD\$B\$DLH/Z'WK\$QV EDH\$B\$
 DFXUR WQDQDQ'G/
 74H'IORG\$QDQ'GL'QRUB'WLRLV'GULYHG'GLUHFWQ'IUR'WKH
 DV'KULWDWL'YH'Z'EVH'YL'FV'SURL'G\$B\$ 74LV \$B\$
 ZV'HSURVHG\$Q DV'30 DQDGRH'QRW
 UH'OH'W FQDQ'RU DQDQ'QV V\$H'X'QV'WR'WL'V'GDVH'DQD
 WLR 74H'YDQD\$H'F'WL'YH'LRUB'WLRLQ'FQDQ'RU
 B'F'F'V\$H'V'G\$G\$Q'ZQDQD'RYH'WLR
 74LV \$B\$DLH'YRL'GLI'WKH'QRU RUH'R WKH'RO'RZ'Q'BS
 H'OH'Q'W'GR'QRW D\$B'DU'EDH\$B\$B'U'IORG\$Q'OH'DQV
 OH'FQD VQDQ'DU'BS'U'HWLRQ'DVH'F'Q'W'AL'G'Q'WL'U'V
)\$QDQD Q\$H'U DQD\$)G\$H'F'WL'YH'GDVH'Q'BS'U'V'IRU
 XQD\$B\$G'DQD'XQD'U'Q'G'DU'W'FQDQ'W'EH'X'G'IRU
 UH'QD'WRL'SURVH'



U679 DWLRQDD PRRG-EPUGDHU)6WVWH Redacted October, 2020.



Soil Map—Jackson County, Missouri
(MCPL Lees Summit Branch)



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

12/7/2020
Page 1 of 3

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils



Soil Map Unit Polygons



Soil Map Unit Lines



Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

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

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

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

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Jackson County, Missouri

Survey Area Data: Version 22, May 29, 2020

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

Date(s) aerial images were photographed: Sep 6, 2019—Nov 16, 2019

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
10181	Udarents-Urban land-Sampsel complex, 5 to 9 percent slopes	8.6	100.0%
Totals for Area of Interest		8.6	100.0%

SECTION 5

BMP Tracking Map & Land Disturbance Tracking Log

This section contains:

- Erosion and Sediment Control Plan sheet excerpts
- Post Construction Stormwater Management Plan sheets if applicable
- BMP Tracking Map (Working SWPPP Map)
 - Record of Land Disturbance, Stabilization and BMP installation and removal
 - Record of Dewatering Activities (e.g. dates and estimated volume of water discharged)



NOTE 1:
THE NOTED BMP IS ONLY REQUIRED IF BID ALTERNATE 1 IS ACCEPTED

NOTE 2:
EROSION AND SEDIMENT CONTROL SHALL BE IMPLEMENTED PER THE CURRENTLY APPROVED DESIGN CRITERIA (LS SECTION 5100) AND STANDARD SPECIFICATIONS (LS SECTION 2150) FOR THE CITY OF LEE'S SUMMIT, MISSOURI.

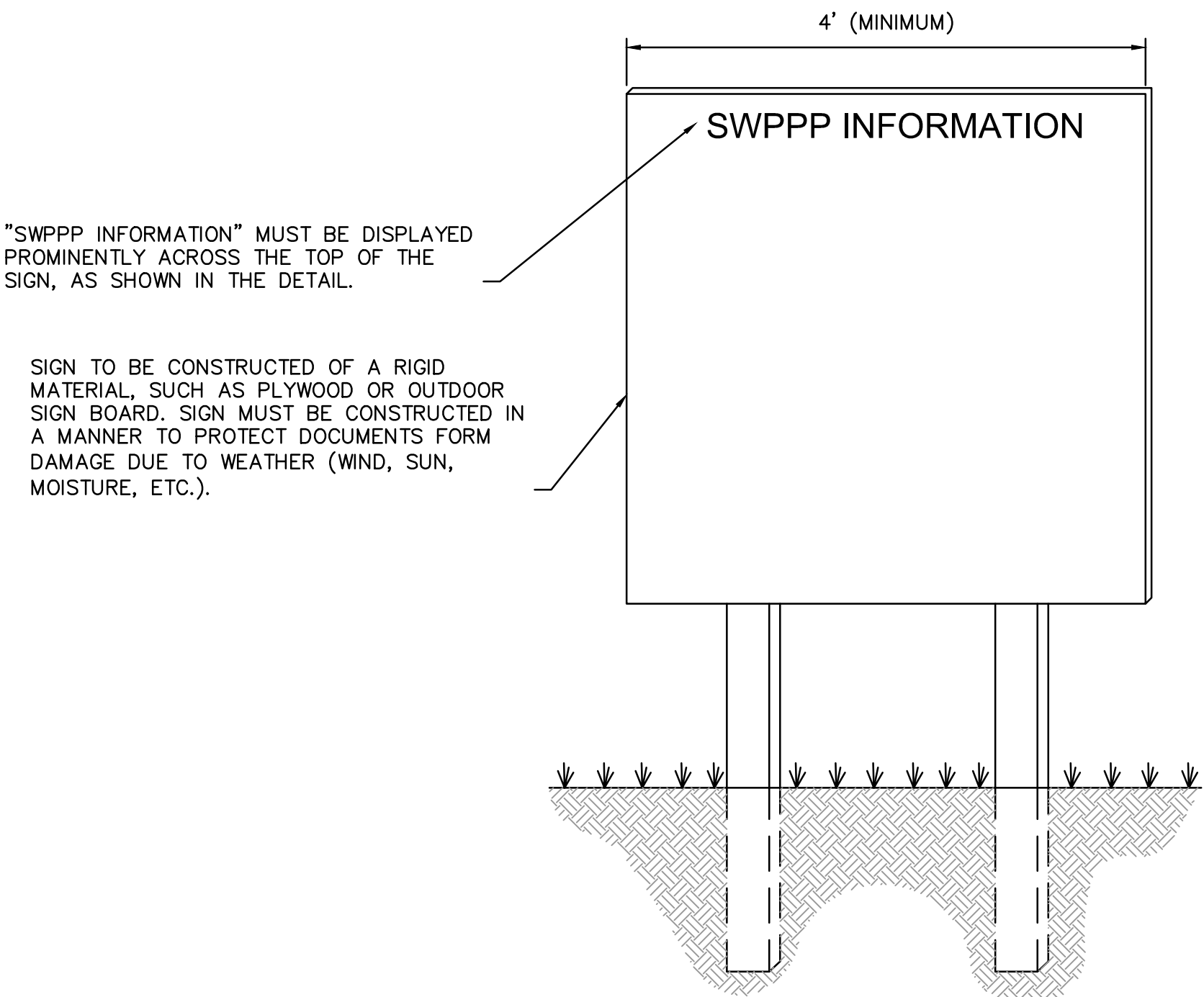
Grading, Stabilization and Dewatering Activities Log

[illegible]

SECTION 6

BMP Specification & Detail Sheets

DWG: F:\2018\0001-0500\018-0330-B\40-Design\AutoCAD\Final_Plans\Sheets\GNC\WORK PACKAGE 15\CONSTRUCTION DOCUMENTS\C_ER001_0180330.dwg
DATE: May 04, 2021 11:35am XREFS: C_TBLK_0180330 C_XBASE_0180330 C_PBASE_0180330 C_PSURF_0180330 USER: bkimmich



NOTE:

1. THE SWPPP INFORMATION SIGN MUST BE LOCATED NEAR THE ENTRANCE OF SITE, SUCH THAT IT IS ACCESSIBLE AND VIEWABLE BY THE GENERAL PUBLIC, BUT NOT OBSTRUCTING VIEW AS TO CAUSE A SAFETY HAZARD.
2. ALL POSTED DOCUMENTS REQUIRED BY THE DEPARTMENT OF NATURAL RESOURCES MUST BE MAINTAINED IN A CLEARLY READABLE CONDITION AT ALL TIMES THROUGHOUT CONSTRUCTION AND UNTIL THE NOTICE-OF-TERMINATION (NOT) IS FILED FOR THE PERMIT.
3. CONTRACTOR SHALL POST OTHER STORMWATER AND/OR EROSION CONTROL RELATED PERMITS ON THE SIGN AS REQUIRED BY THE GOVERNING AGENCY.
4. SIGN SHALL BE LOCATED OUTSIDE PUBLIC RIGHT-OF-WAY AND EASEMENTS UNLESS APPROVED BY THE GOVERNING AGENCY.
5. CONTRACTOR IS RESPONSIBLE FOR ENSURING STABILITY OF THE SWPPP INFORMATION SIGN.

SWPPP INFORMATION SIGN
NOT TO SCALE

**SAPP
DESIGN
ARCHITECTS**

3750 S. Fremont Ave.
Springfield, MO 65804 417.877.9600

Sapp Design Associates Architects, P.C.
Missouri State Certificate of Authority #000607

helix.

1629 Walnut
Kansas City, MO 64108 816.300.0300

Helix Architecture + Design
Missouri State Certificate of Authority #000720

SPECIAL NOTICES

In the event the client consents to, allows, authorizes or approves of changes to any plans, specifications or other construction documents, and these changes are not approved in writing by the design professional, the client recognizes that such changes and the results thereof are not the responsibility of the design professional. Therefore, the client agrees to release the design professional from any liability arising from the construction, use or result of such changes. In addition, the client agrees to the fullest extent permitted by law, to indemnify and hold the design professional harmless from any damage, liability or cost (including reasonable attorney's fees and costs of defense) arising from such changes.

The personal seal of the registered Architect or Engineer shall be the legal equivalent of his signature whenever & wherever used, and the owner of the seal shall authenticate this sheet and the specification sections pertaining to this sheet. Responsibility shall be disclaimed for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural project.

Mid-Continent Public Library
CONSTRUCTION DOCUMENTS
LEE'S SUMMIT LIBRARY
150 NW Oldham Parkway
LEE'S SUMMIT, MO 64081
JACKSON COUNTY

PACKAGE
15

Engineer of Record



Terry M Parsons, Engineer MO PE-2018010505

olsson

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Olsson
Missouri State Certificate of Authority #001592

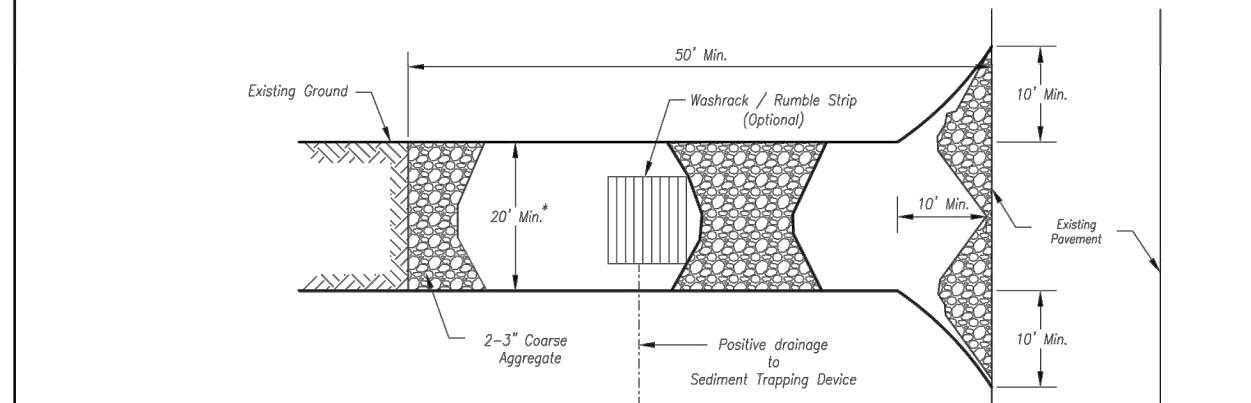
Revision No.	Description	Date
00	ADD02	04.09.21

Project No.	Date	Drawn
B18-0330	10.12.2020	HMO

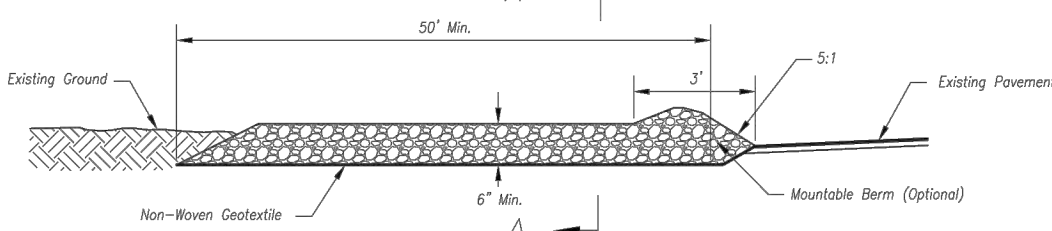
Drawing No.

C7.2
**EROSION CONTROL
DETAILS**

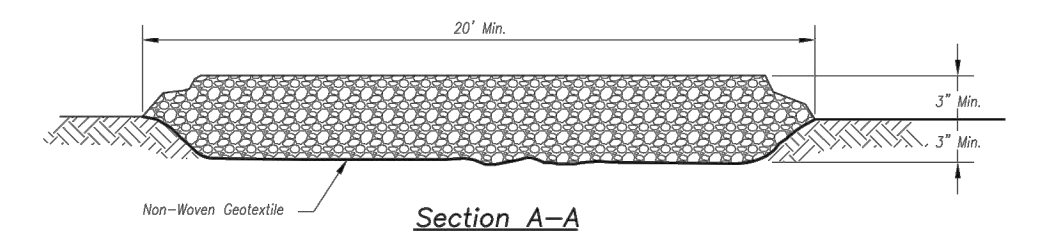
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Plan View
Not to Scale



Side Elevation
Not to Scale



Section A-A
Not to Scale

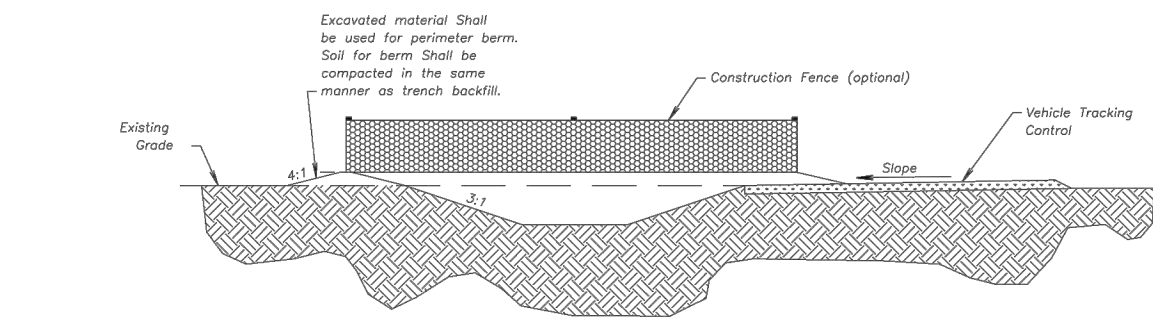
Notes for Construction Entrance:

1. Avoid locating on steep slopes, at curves on public roads, or down-drift of disturbed area.
2. Remove all vegetation and other unsuitable material from the foundation area, grade, and crown for positive drainage.
3. If slope towards the public road exceeds 2%, construct a 6- to 8-inch high ridge with 3:1 side slopes across the foundation approximately 15 feet from the edge of the public road to divert runoff from it.
4. Install pipe under the entrance if needed to maintain drainage ditches along public roads.
5. Place stone to dimensions and grade as shown on plans. Leave surface sloped for drainage.
6. Divert all surface runoff and drainage from the entrance to a sediment control device.
7. If conditions warrant, place geotextile fabric on the graded foundation to improve stability.

Maintenance for Construction Entrance:

1. Reshape entrance as needed to maintain function and integrity of installation. Top dress with clean aggregate as needed.

CONSTRUCTION ENTRANCE



Construction Entrance modified from 2015 Overland Park Standard Details for Erosion and Sediment Control, Concrete Washout modified from 2009 City of Great Bend Standard Drawings.

Notes for Concrete Washout:

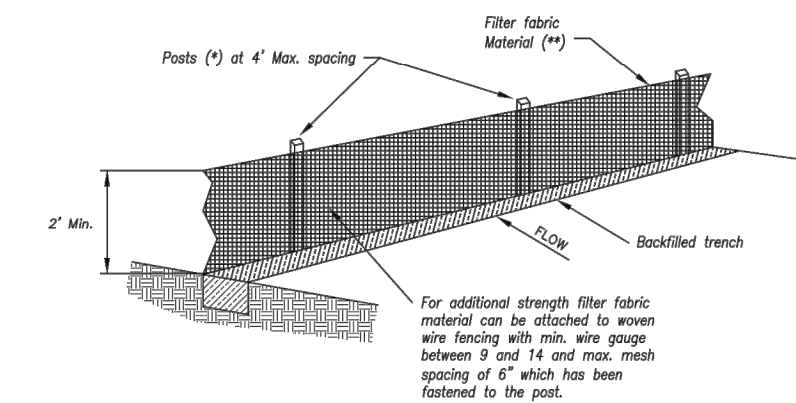
1. Concrete washout areas shall be installed prior to any concrete placement on site.
2. Concrete washout areas shall include a flat subsurface pit aligned relative to the amount of concrete to be placed on site. The slopes leading out of the subsurface pit shall be 2:1. The vehicle loading pad shall be sloped towards the concrete washout area.
3. Vehicle tracking control is required at the access point to all concrete washout areas.
4. Signs shall be placed at the construction site entrance, washout area and elsewhere as necessary to clearly indicate the location(s) of the concrete washout area(s) to operators of concrete truck and pump rigs.
5. A one-piece impervious liner may be required along the bottom and sides of the subsurface pit in sandy or gravelly soils.

Maintenance for Concrete Washout:

1. Concrete washout materials shall be removed once the materials have filled the washout to approximately 75% full.
2. Concrete washout areas shall be enlarged as necessary to maintain capacity for washed concrete.
3. Concrete washout water, washed pieces of concrete and all other debris in the subsurface pit shall be transported from the job site in a water-tight container and disposed of properly.
4. Concrete washout areas shall remain in place until all concrete for the project is placed.
5. When concrete washout areas are removed, excavations shall be filled with suitable compacted material and rip-rap, any disturbed areas associated with the installation, maintenance, and/or removal of the concrete washout areas shall be stabilized.

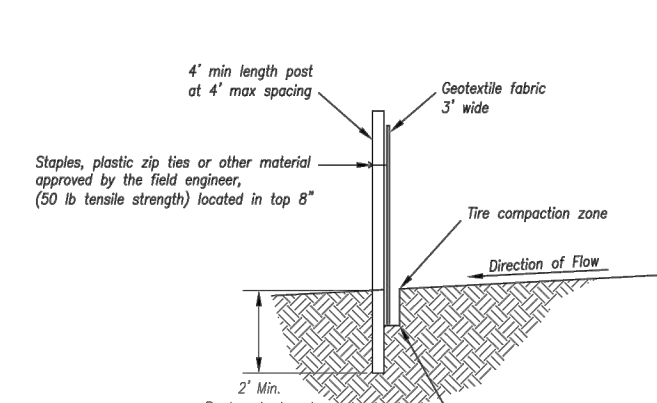
CONCRETE WASHOUT

AMERICAN PUBLIC WORKS ASSOCIATION	
KANSAS CITY METRO CHAPTER	
CONSTRUCTION ENTRANCE AND CONCRETE WASHOUT	STANDARD DRAWING NUMBER ESC-01 ADOPTED: 10/24/2016



- (*) POSTS
- MIN. LENGTH 4'
 - IMPERMEABLE 1 1/2" x 1 1/2"
 - NO. 2 SOUTHERN PINE 2 1/2" x 2 1/2"
 - STEEL 1.33 LB/FT

(**) - Geotextile Fabric shall meet the requirements of AASHTO M288



SILT FENCE DETAILS

Not to Scale

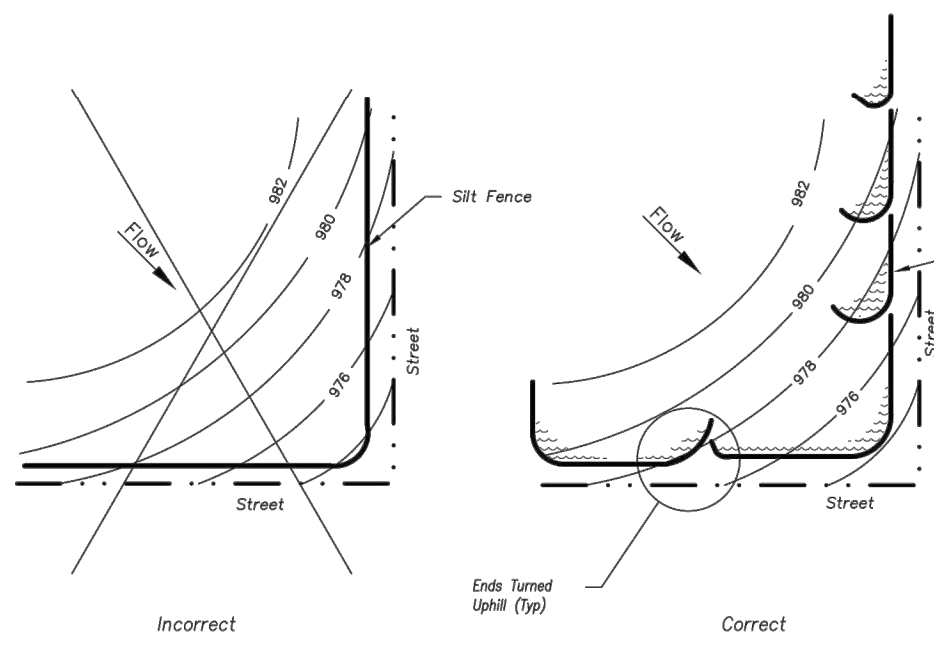


Figure A

SILT FENCE LAYOUT

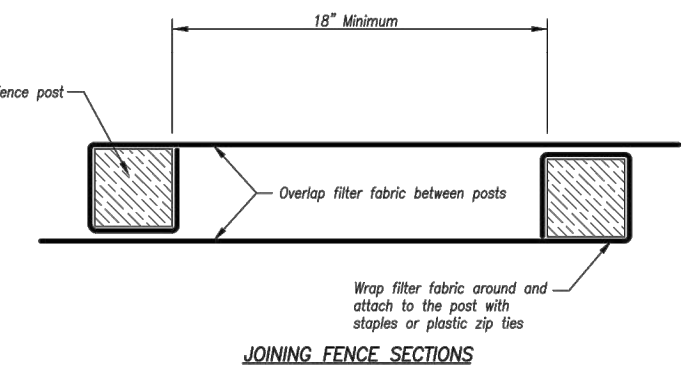
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Notes:

1. In order to contain water, the ends of the silt fence must be turned uphill (Figure A).
2. Long perimeter runs of silt fence must be limited to 100'. Runs should be broken up into several smaller segments to minimize water concentrations (Figure A).
3. Long slopes should be broken up with intermediate rows of silt fence to slow runoff velocities.
4. Attach fabric to upstream side of post.
5. Install posts a minimum of 2' into the ground.
6. Trenching will only be allowed for small or difficult installation, where sloping machine cannot be reasonably used.

Maintenance:

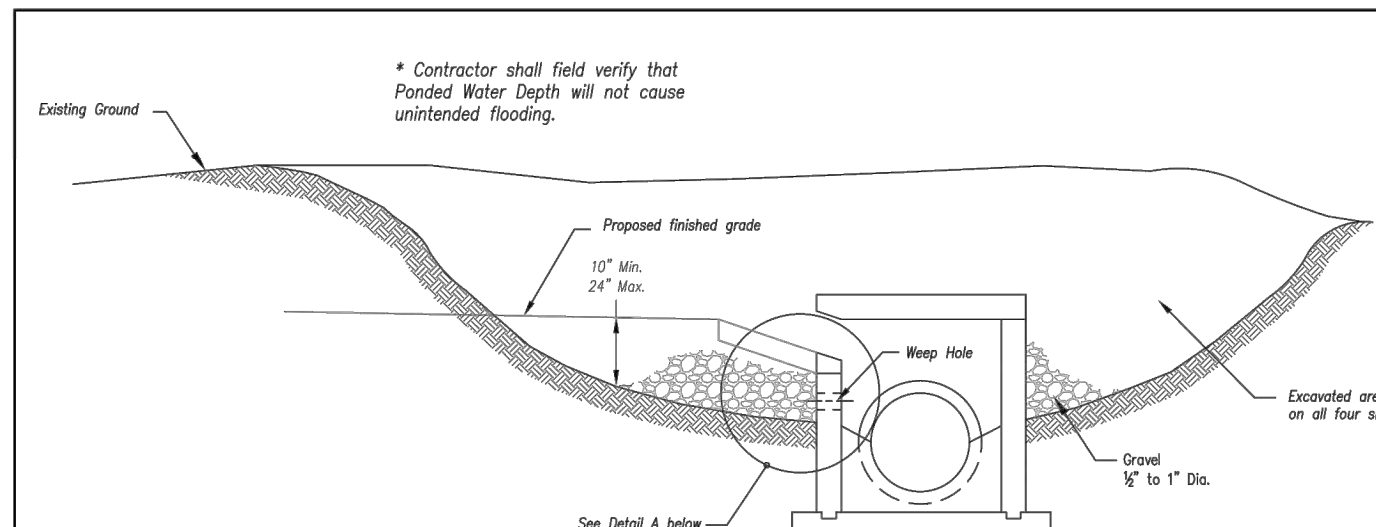
1. Remove and dispose of sediment deposits when the deposit approaches 1/2 the height of silt fence.
2. Repair as necessary to maintain function and structure.



JOINING FENCE SECTIONS
Not to Scale

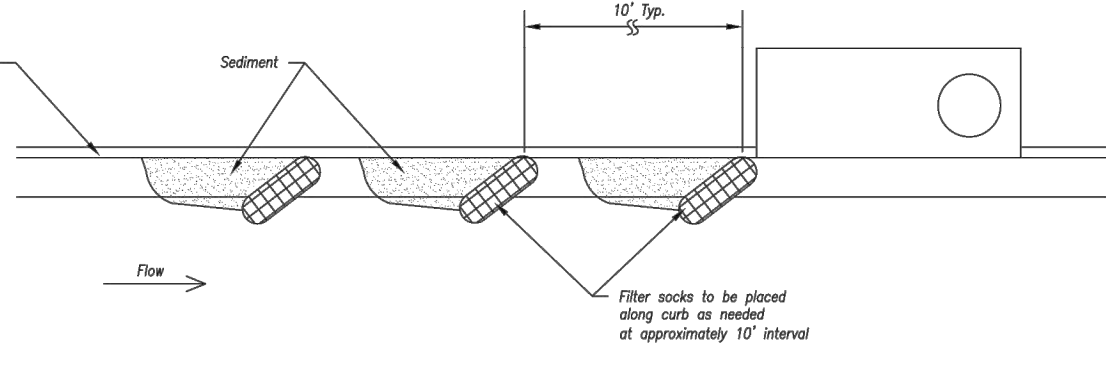
AMERICAN PUBLIC WORKS ASSOCIATION	
KANSAS CITY METRO CHAPTER	
SILT FENCE	STANDARD DRAWING NUMBER ESC-03 ADOPTED: 10/24/2016

Modified from 2015 Overland Park Standard Details for Erosion and Sediment Control.

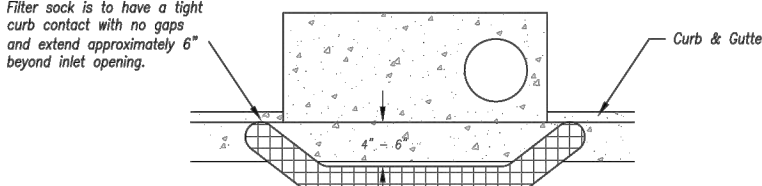


Detail A

EARLY STAGE CURB INLET
(Open Box and Prior to Pouring Curb and Inlet Throat)



On Grade Curb Inlet Protection



Sump Inlet Sediment Filter

LATE STAGE CURB INLET
(After Pouring Curb and Inlet Throat)

Notes:

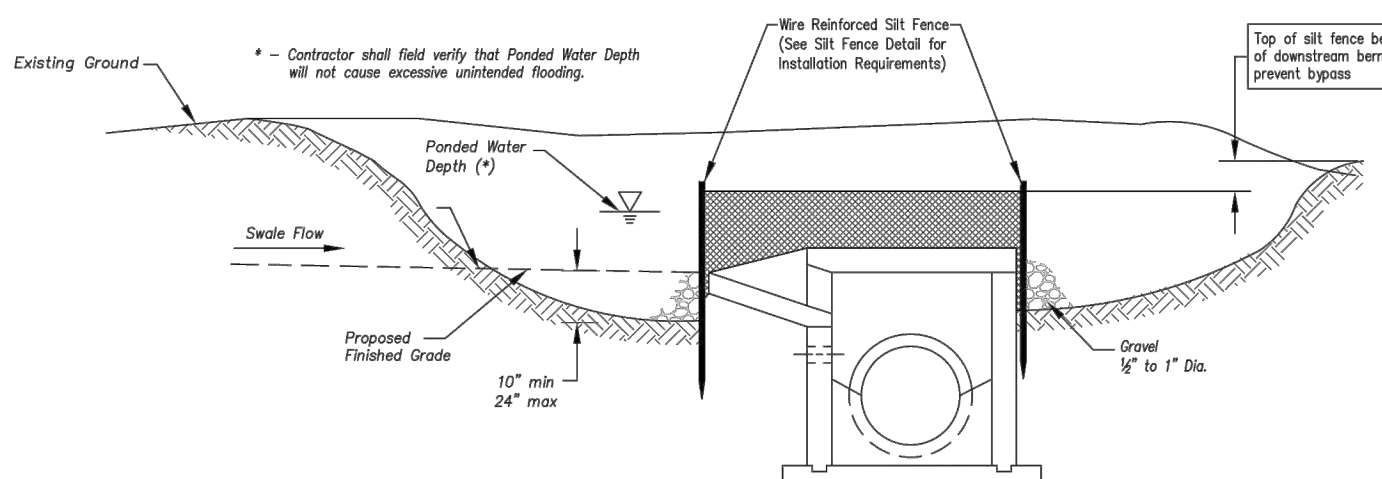
1. Immediately following inlet construction and prior to construction of curb and inlet throat, protect inlet opening by installing 2' x 10' (min) board wrapped in silt fence. Structures shall have excavated storage area on all four sides to slow settling of sediment (Early Stage Curb Inlet).
2. When inlet is completed and curb poured, filter socks or approved equal should be used (Late Stage Curb Inlet). Stone weirs are not approved for curb inlet use.
3. Contractor to field verify ponding water shall not create a traffic hazard.

Maintenance:

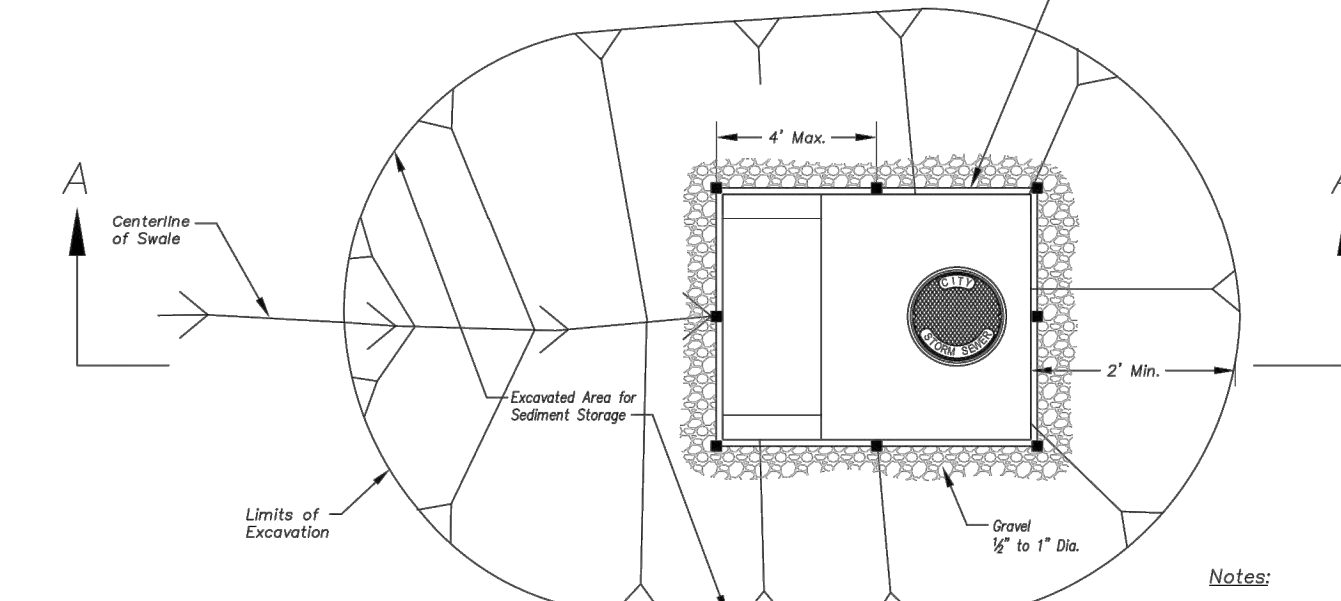
1. Remove deposited sediment from excavated storage areas when available storage has been reduced by 20%.
2. Remove deposited sediment from filter socks or similar when any accumulation of sediment is visible.
3. Repair or replace as necessary to maintain function and integrity of installation.

Modified from 2015 Overland Park Standard Details for Erosion and Sediment Control.

AMERICAN PUBLIC WORKS ASSOCIATION	
KANSAS CITY METRO CHAPTER	
CURB INLET PROTECTION	STANDARD DRAWING NUMBER ESC-06 ADOPTED: 10/24/2016



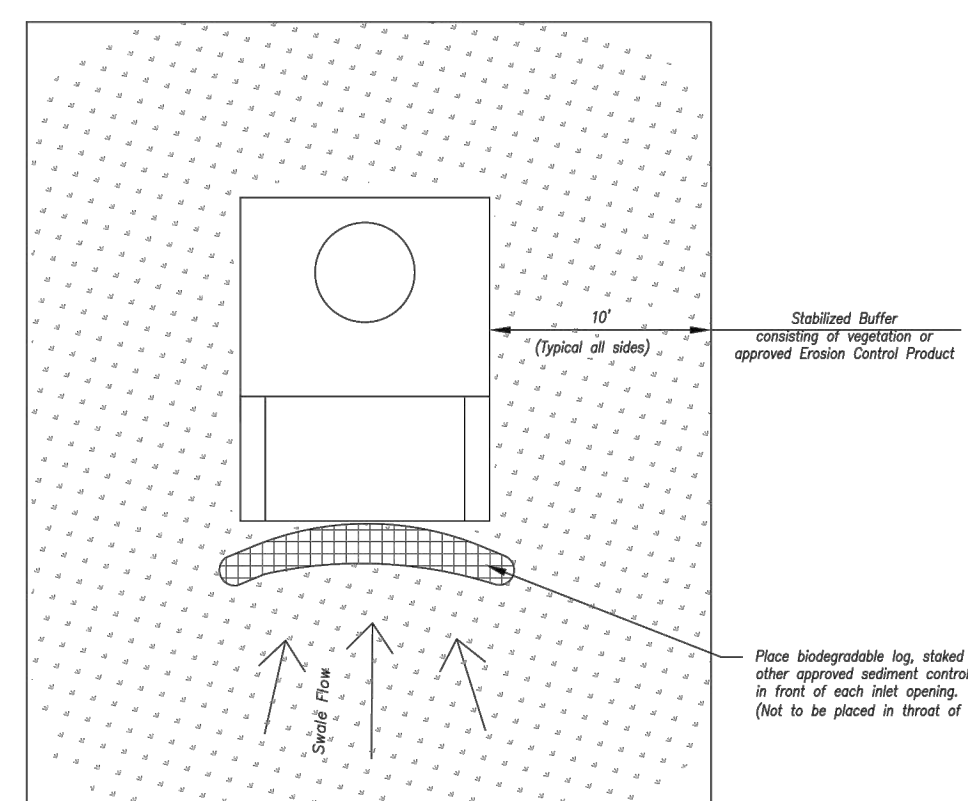
Section A-A
Not to Scale



EARLY STAGE AREA INLET
(All open boxes and inlets not at final grade)

Notes:

1. Early Stage Area Inlet Sediment Barrier to be installed immediately after inlet or junction box is constructed.
2. Silt fence shall remain in place until excavated area is removed and Late Stage Area Inlet is being installed.
3. Backfill excavated area ONLY after final grading of the site. Stabilization of the site is to immediately follow.
4. Wire reinforced silt fence may be used in place of silt fence attached to wood frame.



LATE STAGE AREA INLET
(Area inlets at final grade and existing inlets)

Maintenance:

1. Remove deposited sediment from excavated storage areas when available storage has been reduced by 20%.
2. Remove deposited sediment from filter socks or similar when any accumulation of sediment is visible.
3. Repair or replace as necessary to maintain function and integrity of installation.

Modified from 2015 Overland Park Standard Details for Erosion and Sediment Control.

AMERICAN PUBLIC WORKS ASSOCIATION	
KANSAS CITY METRO CHAPTER	
AREA INLET AND JUNCTION BOX PROTECTION	STANDARD DRAWING NUMBER ESC-07 ADOPTED: 10/24/2016

SAPP DESIGN ARCHITECTS

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helix.

1629 Walnut
Kansas City, MO 64108 816.300.0300

Helix Architecture + Design
Missouri State Certificate of Authority #000720

SPECIAL NOTICES

In the event the client consents to, allows, authorizes or approves of changes to any plans, specifications or other construction documents, and these changes are not approved in writing by the design professional, the client recognizes that such changes and the results thereof are not the responsibility of the design professional. Therefore, the design professional shall not be held responsible for any liability arising from the construction, use or result of such changes. In addition, the client agrees to the fullest extent permitted by law, to indemnify and hold the design professional harmless from any damage, liability or cost (including reasonable attorney's fees and costs of defense) arising from such changes.

The personal seal of the registered Architect or Engineer shall be the legal equivalent of his signature wherever & whenever used, and the owner of the seal shall authorize this seal and the specification sections pertaining to this sheet. Responsibility shall be disclaimed for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural project.

Mid-Continent Public Library CONSTRUCTION DOCUMENTS LEE'S SUMMIT LIBRARY

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LEE'S SUMMIT, MO 64081
JACKSON COUNTY

PACKAGE 15

Engineer of Record

TERRY M. PARSONS
NUMBER PE-2018010505
5/16/2021
PROFESSIONAL ENGINEER

Terry M Parsons, Engineer MO PE-2018010505

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Olsson
Missouri State Certificate of Authority #001592

Revision No.	Description	Date
00	ADD02	04.09.21

Project No.	Date	Drawn
B18-0330	10.12.2020	HMO

Drawing No.

C7.3

EROSION CONTROL DETAILS

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SECTION 7

Log of Amendments

The permittee shall amend the SWPPP at a minimum whenever the:

- a. 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. Department notifies the permittee in writing of deficiencies in the SWPPP;*
- e. SWPPP is determined to be ineffective in minimizing or controlling erosion and sedimentation (e.g., there is visual evidence of excessive site erosion or excessive sediment deposits in streams or lakes); and/or*
- f. Department determines violations of water quality standards may occur or have occurred.*

SWPPP Amendment Log

[illegible]

SECTION 8

Local Regulations & Additional Permits

Local Ordinances can be located here for reference only. Additional permits (i.e. 404, NWP, grading permits if required, etc.) can be kept here for reference only.

CHAPTER 241

EROSION AND SEDIMENT CONTROL

Section 24101: Introduction/ Purpose

Soil is most vulnerable to erosion by wind and water during the construction process. Excessive soil in streams endangers water resources by reducing water quality and causing the siltation of aquatic habitat for fish and other desirable species. Eroded soil also necessitates repair of sewers and ditches, and the dredging of lakes. Clearing and grading during construction causes the loss of native vegetation necessary for terrestrial and aquatic habitat, and a healthy living environment for the citizens of Jackson County, Missouri.

The purpose of this ordinance is to safeguard persons, protect property, prevent damage to the environment and promote public welfare by effectively minimizing soil erosion and sedimentation during land development, building, landscaping or any other type of land disturbance in Jackson County, Missouri. Further, it provides builders, developers and property owners with soil erosion and sedimentation control standards and regulations.

The regulations and standards herein shall accomplish the following:

1. Establish standards for soil erosion and sedimentation control.
2. Minimize soil erosion and sedimentation during land development, building, landscaping or other land disturbing activities.
3. Minimize pollution of streams, ponds and lakes.
4. Encourage management of natural resources.
5. Preserve the beauty of the community and the value of the land.
6. Reduce maintenance costs of public and private improvements and services.
7. Promote and protect the public's health, safety, comfort and welfare.

(Ord. 3606, Eff. 03/08/05)

Section 24102: Definitions

Applicant: Any legal entity requiring approval to develop, landscape or otherwise disturb land pursuant to Section 24103 of this ordinance. Legal entities shall include but not be limited to the following: individuals, sole proprietorships, limited liability companies, partnerships, limited partnerships, joint ventures, or corporations or other business organizations. Every name under which the applicant is currently doing or has done business in Jackson County, Missouri, other than the true name of such applicant, is hereby declared a fictitious name and shall be subject to Section 24103.

APWA: American Public Works Association.

Clearing: Any activity which removes the vegetative surface cover.

Director: The Director shall be the Director of Jackson County Public Works or the designated agent.

Drainage Way: Any surface feature that conveys surface runoff throughout the site.

Erosion: The wearing away of the land surface by the action of wind, water or gravity.

Erosion and Sediment Control Permit: Written authorization that regulates the quality of stormwater runoff due to the disturbance of land associated with development construction.

Erosion and Sediment Control Plan: A set of plans prepared by or under the direction of a licensed professional engineer or a certified erosion and sediment control professional indicating the specific measures and sequencing to be used controlling sediment and erosion on a development site before, during and after construction.

Erosion and Sediment Control Manual: APWA, Division III, Erosion and Sediment Control Specifications, and Design Standards pursuant to Section 24103 of this ordinance. All references are to current standards and any subsequent amendments.

Erosion Control: Measures that prevent erosion.

Grading: Excavation or fill of material, including the resulting conditions thereof.

Permanent Vegetation: Grass, sod or ground cover sufficient to prevent erosion.

Phasing: Clearing a parcel of land in distinct phases, with the stabilization of each phase within a specified time period.

Sediment: Solid material moved by erosion and deposited away from its point of origin.

Sediment Control: Regulates the amount of eroded sediment leaving the site.

Site: A parcel of land, or a contiguous combination thereof, where grading work is performed as a single unified operation.

Site Development: Altering terrain, vegetation and/or constructing improvements.

Stabilization: The use of practices that protects the exposed soil from excessive erosion.

Start of Construction: The first land-disturbing activity associated with a development, including land preparation such as clearing, grading and filling; installation of streets and walkways; excavation for basements, footings, piers or foundations; erection of temporary forms; and installation of accessory buildings such as garages.

Stormwater runoff: Water that flows overland during a rain storm.

Streambank: The top of the natural incline bordering a stream.

Stripping: Any activity by which the vegetative cover is removed or significantly disturbed, including tree removal, clearing, grubbing and storage, or removal of topsoil.

Vegetative Cover: Any grasses, shrubs, trees and other vegetation that protects and stabilizes soils.

Watercourse: Any body of water, including, but not limited to lakes, ponds, rivers, streams, and bodies of water, which are delineated by Jackson County.

Waterway: A conveyance that directs surface runoff to a watercourse, or to the public storm drain. (Ord. 3606, Eff. 03/08/05)

Section 24103: Application and Permits Process

- A. No person, firm, corporation or other legal entity may develop, landscape or disturb land without the issuance of an Erosion Control permit and the approval of an Erosion and Sediment Control Plan by the Director of Public Works for Jackson County. Each applicant must disclose on the application all names under which it has conducted the business of developing, landscaping or otherwise disturbing land within Jackson County, Missouri. Disclosure shall include but not be limited to the status of the applicant as owner, proprietor, shareholder or investor. (Ord. 3606, Eff. 03/08/05)
- B. All design, construction and maintenance standards shall be in accordance with the most current standards as established in APWA sections 5100, 5600, 2100, 2150, BMP Best Management Practices Manual and APWA Division III Standard Drawings. It is the Director's option to delete portions of these regulations that may not be appropriate for unincorporated Jackson County. The Director shall promulgate a list of any deleted regulations or portions thereof by means of public posting, brochures and/or posting on the County's website. (Ord. 3606, Eff.

03/08/05; Ord. 3654, Eff. 08/09/05)

- C. No site development permit is required for the following activities:
 - 1. any land disturbance activity that involves less than 100 cubic yards of earth movement; or
 - 2. existing nursery and agricultural operations conducted as a permitted main or accessory use, or
 - 3. home landscaping or gardening; or
 - 4. reestablishment of lawn areas; or
 - 5. any emergency activity which is immediately necessary for the protection of life, property or natural resources. (Ord. 3606, Eff. 03/08/05)
- D. Any applicant having ten (10) or more violations with soil erosion ordinances within Jackson County will not be allowed to proceed with the application for a permit to develop in the unincorporated areas of Jackson County until submitting the following to the Director:
 - 1. Explanation of each occurrence of violation of an erosion and sediment control ordinance for which applicant received notice; and
 - 2. A copy of a final certificate of occupancy or certificate of completion for each project in which a violation occurred and applicant received notice.
 - 3. Upon receipt of the required documents the Director will review and decide whether applicant may proceed with the application process. Applicant will be notified of the Director's decision in writing. (Ord. 3606, Eff. 03/08/05)
- E. The applicant is responsible for any and all other permits that may be required from the Missouri Department of Natural Resources, Army Corps of Engineers and any other regulator as required by law. (Ord. 3606, Eff. 03/08/05)
- F. Each application shall bear the name(s), address(es) and telephone number of the owner or developer of the site, and of any consulting firm retained by the applicant together with the name of the applicant's principal contact at such firm, and shall be accompanied by a filing fee. (Ord. 3606, Eff. 03/08/05)
- G. The issuance of a permit shall constitute authorization to do only that work described or shown on the approved plan. Each application shall include a statement that any land clearing, construction, or development involving the movement of earth shall be in accordance with the Erosion and Sediment Control Plan. (Ord. 3606, Eff. 03/08/05)
- H. The permit shall be valid from the time that it is issued until a final certificate of

completion has been issued. (Ord. 3606, Eff. 03/08/05)

- I. Final Acceptance and Certificate of Completion permit will not be issued until final grading has been completed and the site has been seeded and mulched or sodded. When conditions prevent ground cover from being established, an occupancy permit may be issued following installation of temporary erosion control measures sufficient to maintain sediment boundaries of the site, and the permittee agrees to maintain all erosion control materials. (Ord. 3606, Eff. 03/08/05)
- J. If the permittee sells the property, or any portion thereof, before the expiration of the permit, the permit or portion of the permit, may be reassigned to the new owner of the site. The reassignment must first be approved by the Director. The new permittee(s) shall be responsible for compliance of the permit(s) until a final acceptance and /or a final certificate of occupancy is issued. The original permittee remains liable to Jackson County for only the land disturbance work through the date of reassignment. The original permittee will be released from that liability upon issuance of a final certificate of completion. The new permittee(s) shall make all submissions required to obtain a new erosion control permit. (Ord. 3606, Eff. 03/08/05)
- K. The applicant(s) will be required to file, with the Director a faithful performance bond(s) or, letter(s) of credit in an amount of 120% of the estimated costs of the improvements, landscaping, and maintenance of improvements. The bond(s) or letter(s) of credit must remain in full force and effect for a period of not less than three (3) years. Each year within thirty (30) days of the anniversary date of the issuance of the permit the applicant will submit to the Director verification of current status of bond(s) or letter(s) of credit. This bond or letter of credit will cover the cost of repair when a failure of the installed soil erosion and sediment control improvements has occurred on the site. (Ord. 3606, Eff. 03/08/05)
- L. Review and approval
 - 1. The Director will review each application for an erosion control permit to determine its conformance with the provisions of this regulation. Within thirty (30) days after receiving an application, the Director shall, in writing:
 - a. approve the permit application; or
 - b. approve the permit application subject to such reasonable conditions as may be necessary to secure substantially the objectives of this regulation, and issue the permit subject to these conditions; or
 - c. disapprove the permit application, indicating the deficiencies and the procedure for submitting a revised application and/or submission. (Ord. 3606, Eff. 03/08/05)

2. Failure of the Director to act on original or revised applications within thirty (30) days of receipt shall authorize the applicant to proceed in accordance with the plans as filed unless such time is extended by written agreement between the applicant and Director. Pending preparation and approval of a revised plan, development activities shall be allowed to proceed in accordance with conditions established by the Director. (Ord. 3606, Eff. 03/08/05)
- M. Permit Fee: Jackson County shall charge \$500.00 for each permit plus \$100.00 per acre of distributed land. (Ord. 3606, Eff. 03/08/05; Ord. 3654, Eff. 08/09/05)

Section 24104: Education, Training and Certification

- A. The Engineer and Developer or Project Manager are required to meet the minimum education and training requirements as required in APWA section 5102. (Ord. 3606, Eff. 03/08/05)
- B. Projects with any type of Erosion Control Permit in unincorporated Jackson County must have at least one individual actively involved on the site who meets the Education, Training, and Certification requirements of APWA section 5102. (Ord. 3606, Eff. 03/08/05)

Section 24105: Erosion and Sediment Control Plan

- A. The erosion and sedimentation control plan must be prepared and certified by a Professional Engineer or certified erosion and sediment control professional on behalf of the applicant and must outline the measures that will be implemented to ensure soil and sediment is contained on the development site. (Ord. 3606, Eff. 03/08/05)
- B. The Erosion and Sediment Control Plan shall include:
 1. The property owner's name, address and telephone number.
 2. The applicant's name, address, and telephone number.
 3. A natural resources map, at a scale no smaller than one (1) inch equals one hundred (100) feet, identifying the location; soils; forest cover; the surrounding area's watercourses, water bodies and other significant geographic and natural features; and resources protected under other chapters of this code.
 4. A one (1) inch equals one hundred (100) feet scale map of the site showing proposed excavation, grading or filling.

5. A one (1) inch equals one hundred (100) feet scale map of the site showing existing and proposed contours at two (2) feet intervals on USGS datum, clearing limits and delineation of one hundred (100) year flood plain and floodway.
6. A sequence of construction of the development site, including stripping and clearing; rough grading; construction of utilities, infrastructure, and buildings; final grading and landscaping; and removal of temporary erosion control devices. Sequencing shall identify the expected date on which clearing will begin, the estimated duration of exposure of cleared areas, and the sequence of clearing, installation of temporary erosion and sediment measures, installation of storm drainage, paving of streets and parking areas, and establishment of permanent vegetation.
7. All erosion and sediment control measures necessary to meet the objectives of Jackson County and APWA Erosion and Sediment Control Specifications and Design Criteria throughout all phases of construction are required. Depending upon the complexity of the project, the drafting of intermediate plans may be required at the close of each season.
8. Seeding mixtures and rates, types of sod, method of seedbed preparation, expected seeding dates, type and rate of lime and fertilizer application, and kind and quantity of mulching for both temporary and permanent vegetative control measures.
9. Provisions for maintenance of control facilities, including easements and estimates of the cost of maintenance.
10. Location of proposed and existing utility lines.
11. Details of temporary drainage system to direct stormwater runoff from graded portions of the site and details of the permanent drainage plan.
12. Temporary access routes.
13. Any additional items indicated in the APWA Erosion and Sediment Control Specifications and Design Criteria, current standards and any subsequent amendments.
14. The signature and seal of a Professional Engineer or certified erosion and sediment control professional.
15. The Director may require submission of other items such as graphic representation of existing and proposed drainage facilities; delineation of wetlands, water storage detention areas, drainage ditches, and easements; the quantity of soil to be excavated, filled or stored; copies of

other permits and applications for the site; and maximum surface runoff from the site. (Ord. 3606, Eff. 03/08/05)

- C. Additional information or data, may be required, by the Director. Requirements for maps, plans, reports and/or drawings may be waived if the Director finds that the information submitted is sufficient to show that the proposed work will conform to the erosion and sediment control requirements.
- D. Modifications to the plan
 - 1. Major amendments of the erosion and sediment control plan shall be submitted to the Director and shall be processed and approved, or disapproved, in the same manner as the original plans.
 - 2. Field modifications of a minor nature may be authorized by the Director by written authorization to the permittee.

Section 24106: Design Requirements

- A. Erosion control practices, sediment control practices, waterway crossings and construction site access shall meet the design criteria set forth in the APWA, Erosion and Sediment Control Specifications and Design Criteria current standards and any subsequent amendments, as adopted within this ordinance by Jackson County, and shall be adequate to regulate transportation of sediment from the site to the satisfaction of the Director. (Ord. 3606, Eff. 03/08/05)
- B. Clearing and Grading of natural resources, such as forests and wetlands, shall not be permitted, except when in compliance with all other chapters of this code, the Jackson County Unified Development Code, and all other county, state and federal regulations. (Ord. 3606, Eff. 03/08/05)
- C. Phasing shall be required on all sites disturbing greater than thirty (30) acres, with the size of each phase to be established in the Erosion and Sediment Control Plan. (Ord. 3606, Eff. 03/08/05)
- D. Erosion and Sediment Control
 - 1. Graded areas must be stabilized as soon as work is completed or if work is interrupted for twenty-one (21) or more calendar days. This may be waved when a silt pond is used.
 - 2. Where natural vegetation is removed during grading, revegetation of the site shall be initiated as soon as is practicable following the initiation of grading work. Vegetation in sufficient density to provide effective erosion

control must be reestablished within fourteen (14) days following completion of major grading work.

3. If vegetative erosion control methods, such as seeding, have not become established within two weeks, Jackson County may require that the site be reseeded, or that an approved non-vegetative option be employed.
4. Erosion and Sediment Control measures shall be initiated prior to any land

disturbance and shall be maintained until vegetative cover is established at a sufficient density to provide erosion control on the site. (Ord. 3606, Eff. 03/08/05)

E. Waterways and Watercourses

1. Buildings, decks, patios, parking lots and other improvements shall be set back a minimum of one hundred and fifty (150) feet from the center of the stream. (Ord. 3654, Eff. 08/09/05)
2. When a wet watercourse must be crossed regularly during construction, a temporary stream crossing shall be provided, and an approval obtained from Jackson County. Additional permits may be required by the Missouri Department of Natural Resources and the Corps of Engineers.
3. When in-channel work is conducted, the channel shall be stabilized before, during and after work.
4. All on-site stormwater conveyance channels shall be designed according to the criteria outlined in APWA section 5100.
5. Stabilization adequate to prevent erosion must be provided at the outlets of all pipes and paved channels. (Ord. 3606, Eff. 03/08/05)

Section 24107: Mud, Material or Debris on Public Roadways

- A. No land disturbing, construction or other associated activities are permitted that cause mud, soil, earth, sand, gravel, rock, stone, concrete, building materials or other materials to be deposited on public streets. Trucks and other construction equipment should be cleaned on site to prevent mud from being deposited on public streets.
- B. If mud, material or debris is deposited on a public or private street, the applicant responsible for the development site concerned will be

notified and shall abate the violation within four (4) hours of notification. Notification may be made by personal contact, telephone or the site will be posted. The notification will include the time notified and deadline for abating the violation. If the violation is not abated within four (4) hours, a stop work order shall be posted and Jackson County will cause the violation to be abated at property owner's expense. (Ord. 3606, Eff. 03/08/05)

Section 24108: Inspection

- A. By submitting a development plan or applying for a erosion control permit, the applicant consents to inspections of the proposed development site and all work in progress. The Director shall enter the property of the applicant as deemed necessary to make regular inspections to ensure the validity of the reports filed.
- B. A copy of the permit must be available on the site for inspection by authorized representatives of Jackson County.
- C. The Director shall make inspections as hereinafter required in Subsection D and shall either approve that portion of the work completed or shall notify the permittee wherein the work fails to comply with the erosion and sediment control plan as approved. Plans for grading, stripping, excavating, and filling work bearing the stamp of approval of Jackson County shall be maintained at the site during the progress of the work.
- D. In order to obtain required inspections, the permittee shall notify the Director at least two (2) working days before the following:
 - 1. Erosion and sediment control measures are in place and stabilized.
 - 2. Site Clearing has been completed
 - 3. Rough Grading has been completed
 - 4. Final Grading has been completed
 - 5. Close of the Construction Season
 - 6. Removal or substantial modification of any erosion and sediment control measure or practice
 - 7. Final Landscaping
- E. The permittee or his/her agent shall make regular inspections of all control measures in accordance with the inspection schedule outlined in subsection D

above. The purpose of such inspections will be to determine the overall effectiveness of the control plan, and the need for additional control measures. All inspections shall be documented in writing.

- F. In the event work does not conform to the permit or conditions of approval or to the approved plan or to any instructions of the Director, notice to comply shall be given to the permittee in writing. After a notice to comply is given, the permittee or the permittee's contractor(s) shall be required to make the corrections within the time period determined by the Director. If an imminent hazard exists, the Director shall require that the corrective work begin immediately. (Ord. 3606, Eff. 03/08/05)

Section 24109. Enforcement and Penalties

A. Stop-Work Order; Revocation of Permit

1. In the event that any legal entity holding an erosion control permit pursuant to this ordinance violates the terms of the permit, or implements site development in such a manner as to materially adversely affect the health, welfare, or safety of persons residing or working in the neighborhood or development site so as to be materially detrimental to the public welfare or injurious to property or improvements in the neighborhood, the Director may suspend or revoke the erosion control permit and issue a stop-work order.
2. For the purposes of this ordinance, a stop work order is validly posted by posting a copy of the stop work order on the site of the land disturbance activity in reasonable proximity to a location where the land disturbance activity is taking place. A copy of the order, in the case of work for which there is a permit, shall be mailed by first class mail, postage prepaid, to the address listed by the permittee on the permit. In the case of work for which there is no permit, a copy of the order shall be mailed to the person listed as the owner of the property on tax records filed with Jackson County.
3. No person is permitted to continue or permit the continuance of work in an area covered by a stop work order, except work required to correct deficiencies with respect to an erosion or sediment control measure and as authorized by the Director.
4. Forty-eight (48) hours after posting a stop work order, the Director, if the conditions specified in the stop work order to resume work have not been satisfied, may issue a notice to the permittee, owner, or land user that Jackson County will perform work necessary to comply with this regulation. Jackson County may go on the land and commence work after

forty-eight (48) hours from issuing the notice of intent. The costs incurred by Jackson County to perform this work shall be charged against the Performance Bond. (Ord. 3606, Eff. 03/08/05)

B. Violation and Penalties

1. No permittee, owner, or land user shall construct, enlarge, alter, repair, or maintain any grading, excavation, or fill, or cause the same to be done, contrary to or in violation of any terms of this ordinance.
2. Any permittee, owner or land user violating any of the provisions of this ordinance shall be deemed guilty of a misdemeanor, and each day during which any violation of any of the provisions of this ordinance is committed, continued or permitted, shall constitute a separate offense.
3. Any waiver of a violation of this ordinance by the Director shall not be deemed or construed by permittee, owner, or land user to constitute a waiver of any prior or succeeding violation of this ordinance.
4. Upon conviction of any such violation, such permittee, owner, or land user shall be punished by a fine of not more than \$1,000.00 or up to 1 year in the Jackson County Department of Corrections, for each offense. In addition to any other penalty authorized by this ordinance, any of the above referenced entities convicted of violating any of the provisions of this ordinance shall be required to bear the expense of such restoration. (Ord. 3606, Eff. 03/08/05)

Section 24110. Separability

The provisions and sections of this ordinance shall be deemed to be separable, and the invalidity of any portion of this ordinance shall not affect the validity of the remainder.

(Ord. 3606, Eff. 03/08/05)

SECTION 9

Spill Response

This section contains Missouri Code of State Regulations as they pertain to hazardous substances and emergency response. Contained within are:

Division 24 - Hazardous Substance Emergency Response Office

-10 CSR 24-1.010 - Organization

-10 CSR 24-2.010 - Definitions

-10 CSR 24-3.010 - Emergency Notification Procedures

Spill Report Forms

Rules of
Department of Natural Resources
Division 24—Hazardous Substance
Emergency Response Office
Chapter 1—Organization

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**Title 10—DEPARTMENT OF
NATURAL RESOURCES
Division 24—Hazardous Substance
Emergency Response Office
Chapter 1—Organization**

10 CSR 24-1.010 General Organization

PURPOSE: This rule explains the organization and responsibilities of the Hazardous Substance Emergency Response Office. Also explained is how to obtain additional information regarding these activities and where to make submittals to this office.

(1) The Department of Natural Resources is authorized under sections 260.500–260.550, RSMo to administer the state’s Hazardous Substance Emergency Response Office. The director of the Department of Natural Resources appoints a director and staff who provide day-to-day operation of the Hazardous Substance Emergency Response Office.

(A) Among its operations, the Hazardous Substance Emergency Response Office performs the following administrative and technical functions: develop and adopt rules relating to hazardous substance emergencies; develop and update the state Hazardous Substance Emergency Response plan in cooperation with other state agencies and other affected persons; respond to, investigate, document and take action regarding hazardous substance emergencies in accordance with sections 260.500–260.550, RSMo; provide technical assistance to other state agencies, to political subdivisions of the state and to other persons upon request for the prevention, control and response to hazardous substance emergencies; enter into agreements with state, local and federal agencies and with other persons as necessary to develop and implement the Hazardous Substance Emergency Response Plan and to implement sections 260.500–260.550, RSMo; monitor the statewide telephone used to notify Missouri whenever a hazardous substance emergency occurs; notify appropriate agencies of hazardous substance emergencies; and cooperate with appropriate units of government and other persons to prevent the occurrence and improve response to hazardous substance emergencies.

(B) Requests for copies of rules, reports of incident investigations, technical information and assistance and any other submissions are to be made to the department’s Hazardous Substance Emergency Response Office, Environmental Services Program, P.O. Box 176, Jefferson City, MO 65102. The telephone number during office hours is (573) 526-

3348. For emergencies, the Hazardous Substance Emergency Response Office can be contacted any time at (573) 634-2436.

(2) Information.

(A) The mailing address for the Hazardous Substance Emergency Response Office is: Missouri Department of Natural Resources, P.O. Box 176, Jefferson City, MO 65102.

(B) The Hazardous Substance Emergency Response Office files, except trade secrets as provided for in section 260.550, RSMo, are public information and are located at 2710 West Main Street, Jefferson City, MO 65109.

(C) Anyone wishing to review information in the Hazardous Substance Emergency Response Office files is requested to make an appointment by calling (573) 526-3348. There is no fee for reviewing file information. There is a copying fee if copies of file information are made, and it must be paid by check, money order or exact change.

(D) Any request for information shall be in writing. All requests for information shall be available during normal business hours for inspection by the public.

(E) Nonemergency information can be obtained by contacting the department at the post office box listed previously or by calling (573) 526-3348.

(F) The number to contact the department for emergency release notifications under section 260.505, RSMo is (573) 634-2436. This is for emergencies only.

*AUTHORITY: section 260.520, RSMo (Supp. 1995). * Original rule filed Nov. 30, 1983, effective April 12, 1984. Emergency amendment filed Dec. 2, 1992, effective Jan. 1, 1993, expired April 20, 1993. Amended: Filed Oct. 5, 1992, effective April 8, 1993. Amended: Filed June 14, 1994, effective Jan. 29, 1995. Amended: Filed July 22, 1996, effective Feb. 28, 1997.*

**Original authority 1983, amended 1993, 1995.*

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Division 24—Hazardous Substance
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Chapter 2—Definitions

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**Title 10—DEPARTMENT OF
NATURAL RESOURCES
Division 24—Hazardous Substance
Emergency Response Office
Chapter 2—Definitions**

10 CSR 24-2.010 Definitions

PURPOSE: This rule provides definitions for terms used in 10 CSR 24.

PUBLISHER'S NOTE: The secretary of state has determined that the publication of the entire text of the material which is incorporated by reference as a portion of this rule would be unduly cumbersome or expensive. Therefore, the material which is so incorporated is on file with the agency who filed this rule, and with the Office of the Secretary of State. Any interested person may view this material at either agency's headquarters or the same will be made available at the Office of the Secretary of State at a cost not to exceed actual cost of copy reproduction. The entire text of the rule is printed here. This note refers only to the incorporated by reference material.

(1) Administrator—the administrator of the United States Environmental Protection Agency.

(2) Cleanup—all actions necessary to contain, collect, control, identify, analyze, cleanup, treat, disperse, remove or dispose of a hazardous substance.

(3) Cleanup costs—all costs incurred by the state or any of its political subdivisions or their agents or by any other person participating with the approval of the Department of Natural Resources in the prevention or mitigation of damages from a hazardous substance emergency or the cleanup of a hazardous substance involved in a hazardous substance emergency.

(4) Department—the Department of Natural Resources.

(5) Director—director of the Department of Natural Resources.

(6) Extremely hazardous substance—a substance listed under 40 CFR part 355 by the administrator.

(7) Hazardous substance—any substance or mixture of substances that presents a danger to the public health or safety or the environment and includes:

(A) Any hazardous waste identified or listed by the department under sections 260.350–260.430, RSMo;

(B) Any element, compound, mixture, solution or substance designated pursuant to Sections 101(14) and 102 of the Comprehensive Environment Response, Compensation and Liability Act (CERCLA) of 1980 or designated pursuant to section 304 of the Federal Emergency Planning and Community Right-to-Know Act of 1986; and

(C) Any hazardous material designated by the secretary of the United States Department of Transportation under the Hazardous Materials Transportation Act.

(8) Hazardous substance emergency and emergency involving a hazardous substance—

(A) Any release of hazardous substances or extremely hazardous substances in quantities equal to or in excess of those determined pursuant to section 101(14) or 102 of the CERCLA of 1980 or section 304 of the Federal Emergency Planning and Community Right-to-Know Act of 1986;;

(B) Any release of petroleum including crude oil or any fraction, natural gas, natural gas liquids, liquefied natural gas or synthetic gas usable for fuel (or mixture of natural gas and synthetic gas) in excess of fifty (50) gallons for liquids or three hundred (300) cubic feet for gases;

(C) Any release of a hazardous waste which is reportable under sections 260.350–260.430, RSMo;

(D) Any release of a hazardous substance which requires immediate notice under 49 CFR part 171; and

(E) The department shall promulgate rules identifying the substances and the quantities of substances which, if released, constitute a hazardous substance emergency.

(9) Hazardous Substance Emergency Response Plan—the plan, as specified in section 260.505, RSMo, developed and maintained by the Missouri Department of Natural Resources for response to hazardous substance emergencies.

(10) Local Emergency Planning Committee (LEPC) or committee—the people appointed by the Missouri Emergency Response Commission (MERC) for the purpose of improving hazardous chemical safety and preparedness.

(11) Local government—any county, township, municipal corporation, school district

or other governmental body of equivalent rank.

(12) Person—any individual, partnership, copartnership, firm, company, public or private corporation, association, joint stock company, trust, estate, political subdivision or any agency, board, department or bureau of the state or federal government or any other legal entity which is recognized by law as the subject of rights and duties.

(13) Person having control over a hazardous substance—any person producing, handling, storing, transporting, refining or disposing of a hazardous substance when a hazardous substance emergency occurs, including bailees, carriers and any other person in control of a hazardous substance when a hazardous substance emergency occurs, whether they own the hazardous substance or are operating under a lease, contract or other agreement with the legal owner.

(14) Release—any threatened or real emission, discharge, spillage, leakage, pumping, pouring, emptying or dumping of a substance into or onto the land, air or waters of the state unless done in compliance with the conditions of a federal or state permit, unless the substance is confined and is expected to stay confined to property owned, leased or otherwise controlled by the person having control over the substance or unless, in the case of pesticides, application is done in accordance with the product label.

(15) State of Missouri Basic Emergency Operations Plan—the state plan, its annexes and appendices as developed or maintained by the state emergency management agency for response to natural and man-made disasters in this state.

(16) Waters of the state—all rivers, streams, lakes and other bodies of surface and subsurface water lying within or forming a part of the boundaries of the state which are not entirely confined and located completely upon lands owned, leased or otherwise controlled by a single person or by two (2) or more persons jointly or as tenants in common and include waters of the United States lying within the state.

AUTHORITY: section 260.520, RSMo Supp. 1993. Original rule filed Nov. 30, 1983, effective April 12, 1984. Emergency amendment filed Dec. 2, 1992, effective Jan. 1, 1993, expired April 30, 1993. Amended: Filed Oct. 5, 1992, effective April 8, 1993.*



Amended: Filed June 14, 1994, effective Jan. 29, 1995.

**Original authority: 260.520, RSMo 1983, amended 1993.*

Rules of
Department of Natural Resources
Division 24—Hazardous Substance Emergency
Response Office
Chapter 3—Emergency Notification Procedures

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**Title 10—DEPARTMENT OF
NATURAL RESOURCES
Division 24—Hazardous Substance
Emergency Response Office
Chapter 3—Emergency Notification
Procedures**

**10 CSR 24-3.010 Notification Procedures
for Hazardous Substance Emergencies and
for Emergency Notification of Releases of
Hazardous Substances and Extremely Haz-
ardous Substances**

PURPOSE: This rule establishes a statewide emergency telephone number to notify Missouri whenever a hazardous substance emergency occurs and specifies the requirements for emergency notification and follow-up written notices in the event of a hazardous substance emergency, the release of a reportable quantity of a hazardous substance and the release of a reportable quantity of an extremely hazardous substance.

PUBLISHER'S NOTE: The publication of the full text of the material that the adopting agency has incorporated by reference in this rule would be unduly cumbersome or expensive. Therefore, the full text of that material will be made available to any interested person at both the Office of the Secretary of State and the office of the adopting agency, pursuant to section 536.031.4, RSMo. Such material will be provided at the cost established by state law.

(1) Any person having control over a hazardous substance shall contact Missouri by telephone at (573) 634-2436 or the National Response Center at (800) 424-8802 at the earliest practical moment upon discovery of an emergency involving a hazardous substance under his/her control. Information to be provided to Missouri to the best ability of the person having control over the hazardous substance includes: substance(s) involved, an indication of whether the substance is an extremely hazardous substance; the medium or media into which the release occurred; any known or anticipated acute or chronic health risks associated with the release and, where appropriate, advice regarding medical attention necessary for exposed individuals; proper precautions to take as a result of the release, including evacuation; amount of the substance(s) released or in danger of being released; location of the hazardous substance emergency and directions to the site; names, addresses and phone numbers of persons that may have information on the substances involved; when the hazardous substance emergency occurred, duration of the release

and when it was discovered; actions taken to cleanup the hazardous substance and to end the hazardous substance emergency and when those actions will be taken; and any other pertinent information requested by Missouri, or as specified in the Missouri hazardous waste management commission regulations at 10 CSR 25-7.264(2)(D) and (E) and 10 CSR 25-7.265(2)(D) and (E). Federal reporting requirements for releases of hazardous substances can be found in 40 CFR parts 302 and 355. In addition, state reporting requirements contained in 11 CSR 40-4.030 reference these regulations, and require that certain information be provided to Local Emergency Planning Committees (LEPCs) for reportable releases of hazardous substances and extremely hazardous substances.

(2) The person monitoring the statewide emergency telephone shall notify appropriate agencies of the hazardous substance emergency as designated in the Hazardous Substance Emergency Response Plan.

(3) Upon request, written follow-up notifications are required for releases of hazardous substances and extremely hazardous substances as listed in 40 CFR parts 302 and 355. If requested, the person having control of the hazardous substance or extremely hazardous substance shall provide a written follow-up emergency notice (or notices, as more information becomes available) to the department setting forth and updating the information with respect to—

- (A) Information required in section (1);
- (B) Actions taken to respond to and contain the release;
- (C) Any known or anticipated acute or chronic health risks associated with the release; and
- (D) Where appropriate, advice regarding medical attention necessary for exposed individuals.

(4) If requested, a written report shall be provided to the department for any other hazardous substance emergency. The requested reports shall contain the information as specified in sections (1) and (3) of this rule and any other pertinent information as requested by the department. In addition, state reporting requirements in 11 CSR 40-4.030 require that written follow-up reports be provided to the Department of Public Safety and appropriate LEPCs for any reportable releases of hazardous substances or extremely hazardous substances.

*AUTHORITY: section 260.520, RSMo (Supp. 1995). * Original rule filed Nov. 30, 1983, effective April 12, 1984. Emergency amend-*

ment filed Dec. 2, 1992, effective Jan. 1, 1993, expired April 30, 1993. Amended: Filed Oct. 5, 1992, effective April 8, 1993. Amended: Filed June 14, 1994, effective Jan. 29, 1995. Amended: Filed July 22, 1996, effective Feb. 28, 1997.

**Original authority 1983, amended 1993, 1995.*

Spill Report Form

For spills of reportable quantities that impact soil, surface water or ground water call MDNR 24-hour Environmental Emergency Response at 573-634-2436.

Site: _____ Primary Contractor: _____

Date: _____ Incident Date: _____

Complete for any type of petroleum product or hazardous materials / waste spill or incident. If the spill is of reportable quantity, report must be submitted within five (5) business days.

Keep a copy of this report with the SWPPP Log.

Person Reporting Spill or Incident	
Name	Address
Organization	
Title	
Telephone	
Email	Signature

Type of Spill:
Common Name of Spilled Substance
Estimated Quantity Spilled
Estimated Concentration
Date and Duration of Spill
Date Clean Up Completed

SPILL TO LAND	SPILL TO WATER BODY
Name of site:	Name of water body:
Street address:	Location of discharge
City	Description of area from which spilled material may reach:
County:	

Actions Taken:

To contain spill:

To clean up spill:

To remove/dispose of spilled substance and cleanup material:

To prevent reoccurrence:

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

Person responsible for managing spill response:

Name	Signature
Phone	Email

SECTION 10

Endangered Species Documentation

SECTION 11

Historic Preservation Documentation

Section 106 of the 1966 National Historic Preservation Act (as amended) aims to protect historic and cultural properties from unintentional federal action. A federal action can be through a permit, license or funding. If the preceding situations do not apply to this project a Section 106 review is not required. The permittee must still comply with relevant state and local regulations.

SECTION 12

Inspection Reports

- Log of Inspections
- Inspection Reports
- Inspector Credentials

Stormwater Construction Site Inspection Report

General Information			
Project Name		Date of Inspection	
Permit Number		Time of Inspection	
Inspector's Name(s)		Inspector's Title	
Inspector's Contact Information			
Describe present phase of construction			
Type of Inspection: <input type="checkbox"/> Routine <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, provide: Storm Start Date: Approximate Amount of Precipitation (in):			
Weather at time of this inspection? <input type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> High Winds <input type="checkbox"/> Other: Temperature:			
Were any discharges noted at the time of inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe:			

BMP Effectiveness
<p>Were BMPs operating effectively during inspection? <input type="checkbox"/>Yes <input type="checkbox"/>No</p> <p>If no, does SWPPP need to be amended?</p> <p>List any non-effective BMPs in the corrective action log on the next page.</p> <p>List any amendments to the SWPPP that were identified as being necessary during inspection:</p>

Areas Where Land Disturbance Operations Have Permanently or Temporarily Stopped	

INSPECTOR CERTIFICATION

I verify that, to the best of my knowledge and belief, all corrective action items identified during the inspection are complete and accurate.

Inspector Signature: _____ **Date:** _____

CERTIFICATION STATEMENT

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

Print name and title:

Signature: _____ **Date:** _____

#	BMP Location	Corrective Action Needed	Date Corrected	Corrective Actions Taken

Log of Inspections

[illegible][illegible]

SECTION 13

Regulatory Correspondence

Pertinent correspondence from regulatory agencies relating to this project can be located here.

SECTION 14

Notice of Termination

This section should contain the completed Notice of Termination for the project that can be accessed through the Missouri Gateway for Environmental Management at <https://dnr.mo.gov/mogem/>.

Documentation of acceptance from the DNR should also be kept here and all documents must be retained for 3 years after the date of NOT acceptance.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM, WATER POLLUTION CONTROL BRANCH
REQUEST FOR TERMINATION OF OPERATING PERMIT
(REPLACES TERMINATION FORMS H AND J)

FOR OFFICE USE ONLY

DATE RECEIVED

IF A FACILITY OR SITE HAS BEEN SOLD, BUT PERMITTED ACTIVITIES HAVE NOT CEASED, A TRANSFER OF OWNERSHIP FORM (MO 780-1517) MUST BE COMPLETED RATHER THAN A TERMINATION FORM.

ALL APPLICABLE SECTIONS OF THIS FORM MUST BE COMPLETED.

1. FACILITY INFORMATION

PERMIT NUMBER		COUNTY	
NAME OF FACILITY			
PHYSICAL ADDRESS		CITY	STATE ZIP CODE
FACILITY CONTACT NAME	FACILITY CONTACT TELEPHONE NUMBER	FACILITY CONTACT EMAIL	

2. OWNER

NAME		TELEPHONE NUMBER WITH AREA CODE	
ADDRESS		CITY	STATE ZIP CODE
EMAIL			

3. CONTINUING AUTHORITY

NAME		TELEPHONE NUMBER WITH AREA CODE	
ADDRESS		CITY	STATE ZIP CODE
EMAIL			

4. REASON FOR TERMINATION REQUEST (CHECK ONE)

- ☐ Permitted activities have ceased, or facility is closed (must select facility type in section five and attach photographs or any other supporting documents as required)
- ☐ General Permit MO-G _____ or MO-R _____ has been issued and covers all regulated activities
- ☐ Site specific permit MO- _____ has been issued and covers all regulated activities
- ☐ Facility has obtained a "No Exposure" certification, MO-NX _____
- ☐ Industrial activity (SIC Code # _____) is not regulated
- ☐ For CAFOs, facility size is unregulated (Class II and smaller operations only)
- ☐ Other (Specify)

5. FACILITY TYPE (CHECK ONE FACILITY TYPE, COMPLETE ONLY IF PERMITTED ACTIVITY HAS CEASED OR FACILITY HAS CLOSED)

- ☐ For land disturbance sites, the area is stabilized; perennial vegetation, pavement, buildings, or other permanent structures cover all areas that have been disturbed; no further land disturbance activities are planned; all building construction (commercial or residential) is completed; temporary best management practices are removed, and construction equipment is removed. With respect to areas that have been vegetated, vegetation cover shall be at least 70 percent over 100 percent of the site not covered in impervious material. Attach photographs showing stabilized areas.
- ☐ For wastewater treatment plants, the treatment plant is removed and sludge was removed and properly disposed of, and a closure plan in accordance with [10 CSR 20-6.010\(12\)](#) or [10 CSR 20-6.015\(5\)](#) was approved and implemented. Attach documentation required by the approved closure plan and photographs of the closed area. See facility closure fact sheet at dnr.mo.gov/pubs/pub2568.htm for more information on closure requirements for wastewater treatment plants.
- ☐ For industrial facilities, regulated activities have ceased, no "significant materials" remain on site, and disturbed areas are properly stabilized and/or vegetated. The area is stabilized when perennial vegetation, pavement, buildings, or structures using permanent materials cover all areas that have been disturbed. Vegetation cover shall be at least 70 percent over 100 percent of the site not covered in impervious material. Attach applicable closure documents and photographs of the closed area that demonstrate no permitted activities or materials remain.
- ☐ For quarries or sand and gravel operations, submit documentation of release from the department's Land Reclamation Program.
- ☐ For landfills, official closure has been received from department's Solid Waste Management Program (SWMP); cap is vegetated as required by SWMP; and any additional industrial activities are permitted appropriately (i.e. transfer stations, mulching operations, land disturbance, etc.). Attach official SWMP closure letter and permit numbers of any continuing active industrial or land disturbance activities.
- ☐ For CAFOs
- ☐ Class I CAFOs must properly close lagoons and waste storage structures per a closure plan in accordance with [10 CSR 20-6.300\(6\)](#) and approved by the department. Please attach photographs of closed lagoons. Also attach any additional information which supports closure of facility.
- ☐ Class II CAFOs must close waste storage structures in accordance with [10 CSR 20-6.300\(6\)\(B\)](#), or shall continue to maintain all storage structures so there is no discharge to waters of the state. Attach photographs of closed or re-purposed lagoons, or an explanation of "no discharge" methods. Also attach any additional information that supports closure of facility.

6. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure 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 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 AND OFFICIAL TITLE (TYPE OR PRINT)

TELEPHONE NUMBER WITH AREA CODE

SIGNATURE

DATE SIGNED

7. MAIL COMPLETED COPY TO:

For Site Specific (MO-), Abandoned Mine And Land Reclamation (MO-G05), Land Disturbance By County Or City (MO-R100), Pesticide Application (MO-G87), Sewer Extension Construction (MO-GC) and CAFO (MO-G01, MO-GS1) Permit Terminations:

Missouri Department of Natural Resources
Water Protection Program
Water Pollution Control Branch
Attn: Operating Permits Section
P.O. Box 176
Jefferson City, MO 65102-0176

For General Permit Terminations (MO-G or MO-R):

Send to the appropriate regional office.
Regional office is determined based on the county where the facility is physically located.

To determine the correct regional office for the permitted facility, please see dnr.mo.gov/regions/