

STORM WATER POLLUTION PREVENTION PLAN

Casey's General Store

**1620 SW M 150 Highway
Lee's Summit, MO 64082**

**Prepared for:
Casey's General Stores, Inc.
One SE Convenience Blvd.
Ankeny, IA 50021**

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October 13, 2023

Project No. 21-288

TABLE OF CONTENTS

SECTION 1: PROJECT NARRATIVE

1. Introduction
2. Project and Site Description
3. Best Management Practices
 - 3.1 Coordination with Construction Activities
 - 3.2 Erosion Control Measures
 - 3.3 Sediment Control Measures
 - 3.4 Chemical and Waste Control Measures
 - 3.5 Control of allowable non-stormwater discharges.

SECTION 2: REGULATORY PERMITS

Notice of Intent (NOI)

SECTION 3: DRAWINGS

Erosion Control Plan and Details

SECTION 4: FORMS

Initial Inspection Report Form
Regular Inspection Report Form
BMP Checklist
Final inspection Form

SECTION 1: PROJECT NARRATIVE

1. Introduction

The U.S. Environmental Protection Agency (EPA) requires a National Pollutant Discharge Elimination System (NPDES) General Permit for stormwater discharges from construction sites that disturb more than one acre of land or from smaller sites that are part of a large, common plan of development.

Missouri State Operating General Permit number MORA19681 was issued on 02/02/2022 based on information entered into the Missouri Department of Natural Resources' electronic Permitting (ePermitting) system. Missouri Regulation 10 CSR 20-6.010(2)(B) requires that all applications for construction and operating permits be signed.

2. Project and Site Description

The project site is at the northwest corner of Missouri State Highway 150 and Arboridge Drive in Lee's Summit, MO 64082. The project is in Sec. 25, T 47N, R 32W, in Jackson County Missouri. The receiving stream is Middle Big Creek. The project will disturb approximately 1.9 acres.

Construction activities are anticipated to commence on February 2024 with an estimated completion date of February 2025.

Existing site conditions include vacant ground.

Below are the major phases of construction for the project:

The major phases of the construction work include the following:

- 1) Site clearing and site grading.
- 2) Utility installation.
- 3) Construction of building and pavement areas.
- 4) Landscaping, seeding/sodding disturbed areas.

The estimated total area to be disturbed is 1.9 acres. Soil disturbing activities will primarily include site clearing and site grading, installation of storm sewers, utilities, and pavement areas. The primary potential sources of stormwater contamination for this project include soil disturbing activities and construction material spillage.

3. Best Management Practices

The purpose of this section is to identify the types of erosion and sediment controls used during construction activities. The locations and details of these Best Management Practices (BMPs) are included in Section 3 (see Erosion and Sediment Control Plans). This section also addresses the control of other potential storm water pollutant sources.

3.1 Coordination with Construction Activities. The Contractor will be responsible for implementing and maintaining the Best Management Practices (BMPs) through the course of construction. All BMPs shall be sequenced according to activities in the field as follows:

- a) Through each phase of construction, natural areas and features will be protected from disturbance by placement of silt fences.
- b) Clearing and grading will not occur in an area until it is necessary for construction to proceed (see Project Phasing).
- c) Temporary perimeter sediment controls will be installed before any clearing and grading begins.
- d) The stabilized construction site entrance will be constructed before clearing and grading begins.
- e) Stabilization must be initiated immediately and completed within seven (7) calendar days where soil disturbing activities have temporarily ceased on any portion of the site and will not resume for a period exceeding fourteen (14) days the permittee shall construct BMPs to establish interim stabilization. Interim stabilization shall consist of well established and maintained BMPs that area reasonably certain to protect waters of the state from sediment pollution over an extended period of time.

3.2 Erosion Control Measures. The following BMPs will be used to stabilize onsite soils and prevent erosion during construction:

- a) Permanent seeding and sodding, temporary seeding, and mulch cover of disturbed areas when construction activities have temporarily or permanently ceased.
- b) Mulch Cover of disturbed areas when ground cover is required and temporary or permanent seeding is not feasible.
- c) Erosion Control blankets to provide temporary or permanent cover and/or stability to disturbed slopes or channels subject to overland or concentrated surface flow.
- d) Surface Roughening by means of grooving, tracking, disking or ripping of any rough graded slopes not yet ready for seeding or other treatment and which will not be disturbed for a period of 7 days.
- e) Effective dust control measures such as adequate moisture content or approved dust suppressants shall be taken.

3.3 Sediment Control Measures. The following structural BMPs will be utilized to detain, filter or cause settlement of sediment from runoff, as well as measures used to temporarily direct or divert runoff onsite or at the site perimeter.

- a) Silt fence, straw wattles, berms, dikes, gravel bags, filter socks etc. will be used as temporary perimeter sediment controls to divert or detain flows from exposed soils and limit runoff and discharge of pollutants from exposed areas of the site.
- b) Temporary slope drains, berms, etc. shall be used to convey concentrated water from the top of a slope to the toe and thereby preventing erosion over the slope face.
- c) Rock barriers, gravel bags, ditch checks, etc. will be used in ditches with large or concentrated flows.
- d) Wattles, foam dike, rock ditch checks, gravel bags, etc. will be placed to protect all storm sewer inlets and outlets on or near the site by filtering or temporarily impeding the flow sufficiently to reduce the quantity of sediment carried.
- e) Accumulated sediment behind barriers, traps, etc., shall be removed when it exceeds the volumes specified for any particular measure.

3.4 Chemical and Waste Control Measures. The following material or substances with known hazardous properties are expected to be present onsite during construction:

Concrete	Cleaning Solvents	Soil stabilization additives
Detergents	Petroleum based products	Concrete additives
Paints	Pesticides	Fertilizers
Paint Solvents	Acids	

Management of materials and practices, outside of soil disturbing activities, shall be the responsibility of the Contractor. Such activities shall include, but not be limited to, the items shown below:

- a) Waste Disposal - All waste materials will be collected and stored in securely lidded metal dumpsters. The dumpster will meet all local and state solid waste management regulations. All waste and construction debris from the site will be deposited in the dumpsters. The dumpster will be emptied on a periodical basis. No construction waste materials will be buried onsite.
- b) Sanitary Waste - All sanitary waste will be collected from the portable units on a frequent, periodical basis by a licensed sanitary waste management contractor.
- c) Concrete Waste From Concrete Trucks - Excess concrete and concrete wash water shall be returned to the concrete plant or deposited at a designated containment area on site, constructed in a manner to prevent run-off from entering the street, storm water drainage systems or waterways. Wash water may not be deposited in streets, curbs, gutters, storm drains, or waterways.

- d) Hazardous Substances and Hazardous Waste - All hazardous waste materials will be disposed of in the manner specified by local or state regulation or by the manufacturer.

3.5 Control of allowable non-stormwater discharges. Certain types of discharges are allowable under the U.S. Environmental Protection Agency General Permit for Construction Activity, and it is the intent of this SWPPP to allow such discharges. These types of discharges will be allowed under the conditions that no pollutants will be allowed to come in contact with the water prior to or after its discharge. The control measures, which have been outlined previously in this SWPPP, will be strictly followed to ensure that no contamination of these non-storm water discharges takes place. The following allowable non-storm water discharges that may occur from the job site include:

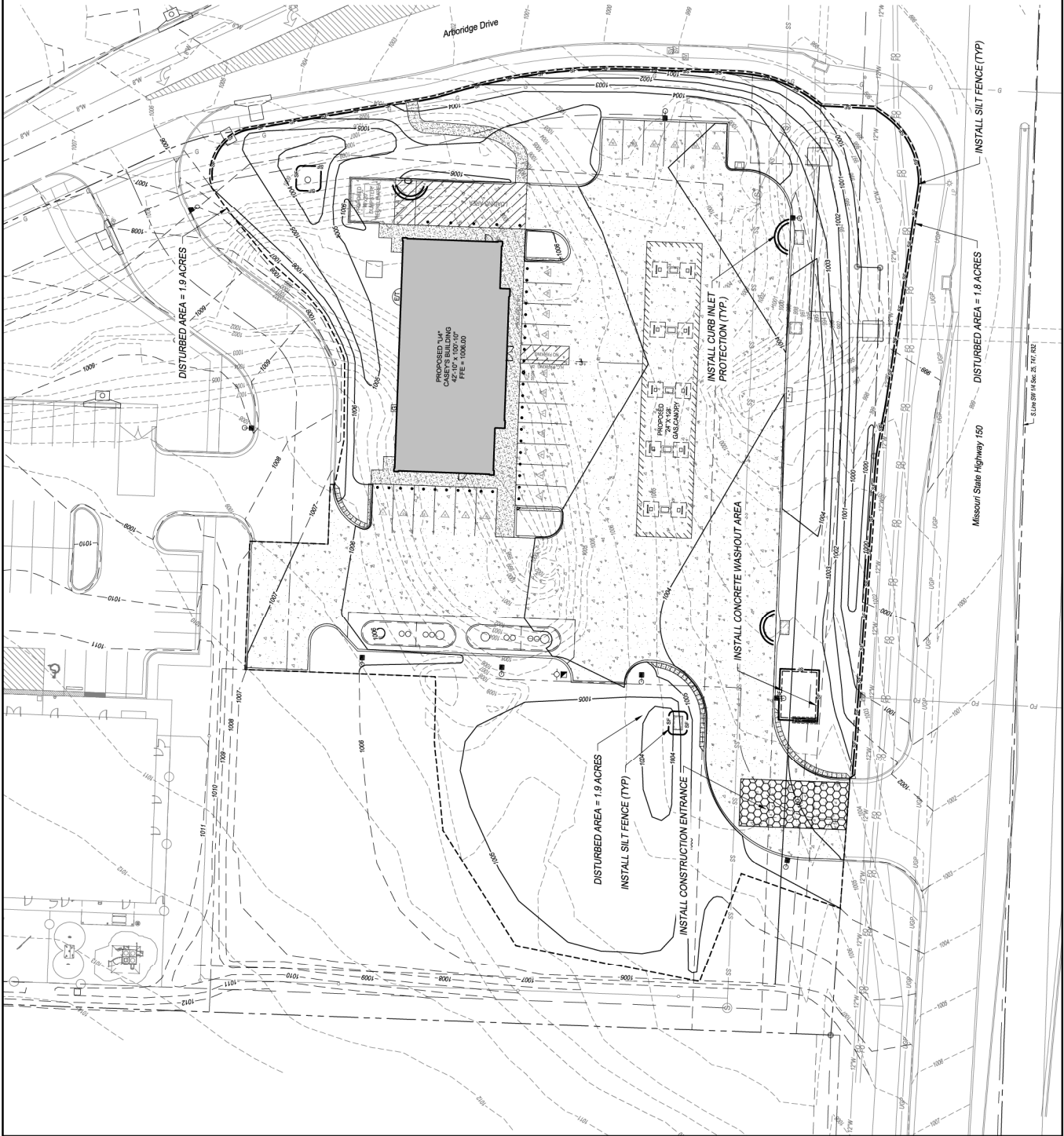
- a) Discharges from fire fighting activities.
- b) Fire hydrant flushing (see note below).
- c) Waters used to wash vehicles or control dust in order to minimize offsite sediment tracking.
- d) Potable water sources such as waterline flushing (see note below), irrigation drainage from watering vegetation, routine exterior building washdown (without detergents present). (See Note below)
- e) Pavement wash waters where spills or leaks of hazardous materials have not occurred or detergents have not been used.
- f) Springs and other uncontaminated groundwater, including dewatering ground water infiltration.
- g) Foundation or footing drains where no contamination with process materials such as solvents is present

SECTION 2

- a) Notice of Intent (NOI) (See enclosed NOI as separate pdf document)

SECTION 3

- a) Erosion and Sediment Control Plan Sheets and Detail Sheets



GENERAL NOTES:

1. THE LOCATION OF ALL OVERHEAD AND UNDERGROUND UTILITIES MUST BE DETERMINED PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE UTILITY OWNERS TO LOCATE AND FLAG ALL UNDERGROUND UTILITIES. WHETHER INDICATED OR NOT, NO EXCAVATION SHALL BE PERMITTED IN THE AREA OF UNDERGROUND UTILITIES UNLESS ALL SUCH UTILITIES HAVE BEEN PROPERLY LOCATED AND FLAGGED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL SUCH UTILITIES AND AVOID ANY POSSIBILITY OF DAMAGE TO THE UTILITY.
2. ALL DISTURBED AREAS THAT ARE NOT TILLED OR LANDSCAPED SHALL BE SEED, FERTILIZED AND MULCHED IN ACCORDANCE WITH THE SPECIFICATIONS. SOIL STABILIZATION SHALL BE COMPLETED WITHIN FOURTEEN (14) DAYS OF CLEARING OR INACTIVITY IN CONSTRUCTION.

EROSION CONTROL GENERAL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING, MONITORING AND MAINTAINING BEST MANAGEMENT PRACTICES (BMPs) AT ALL TIMES DURING THE CONSTRUCTION ON THIS PROPERTY.
2. PRIOR TO COMMENCEMENT OF EARTHWORK OPERATIONS, THE CONTRACTOR SHALL INSTALL PERIMETER MATS AND CONSTRUCTION SODS TO PREVENT EROSION. THE CONTRACTOR SHALL MAINTAIN AND REPAIR THESE MATS AND SODS AS NECESSARY. IMMEDIATELY AFTER INSTALLATION OF THE MATS AND SODS, THE CONTRACTOR SHALL MAINTAIN AND REPAIR THESE MATS AND SODS AS NECESSARY.
3. EROSION CONTROL MEASURES SHALL BE DESIGNED AND MAINTAINED BY THE CONTRACTOR BUT NOT LESS THAN WEEKLY OR WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR MORE. MAINTENANCE SHALL INCLUDE BUT NOT BE LIMITED TO EROSION CONTROL MEASURES, REPAIR AND REPLACEMENT OF EROSION CONTROL MEASURES, AND REPAIR AND REPLACEMENT OF EROSION CONTROL MEASURES.
4. CONTRACTOR SHALL CLEAR ALL SURROUNDING ROWS AND PRESERVE ANY TRACED DESIGN BY EROSION OR SCOURING OF THE EXISTING PAVEMENT BY THE END OF EACH WORKDAY AND THE CONTRACTOR SHALL CLEAN UP SOIL WASHED OFF THE CONSTRUCTION SITE AFTER A STORM BY THE END OF THE NEXT WORKDAY.
5. DURING ALL SOIL DISTURBING ACTIVITIES, THE CONTRACTOR WILL TAKE APPROPRIATE STEPS USING ACCEPTED CONSTRUCTION METHODS TO MINIMIZE THE TIME OF EXPOSURE OF UNPROTECTED SOIL AND OTHER CONSTRUCTION MATERIALS TO RAINFALL.
6. CONTRACTOR SHALL KEEP A WRITTEN LOG OF THEIR CONSTRUCTION ACTIVITIES BEGIN, EROSION AND SEDIMENT CONTROLS ARE INSTALLED, INSPECTED AND REPAIRED.
7. EROSION AND SEDIMENT CONTROL MEASURES SHALL NOT BE REMOVED UNTIL GRASS COVER HAS BEEN ESTABLISHED OR AS DIRECTED BY THE OWNER.
8. ALL AREAS SHALL BE GRASS TO PROTECT GRASS FROM TO BEING AND MOWING. ALL AREAS NOT PART OF THE HARDSCAPE OR OTHER NOTED LANDSCAPING SHALL BE PERMANENTLY SEED, FERTILIZED AND MULCHED.
9. ALL MATS SHALL BE STRAW MATS 12" x 12" MANUFACTURED BY NORTH AMERICAN GREEN, OR APPROVED EQUAL. THE MATS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR MAY USE MATS AND SILT FENCE INTERCHANGEABLY IN AREAS IDENTIFIED IN THE DRAWINGS.
10. THE CONTRACTOR HAS THE OPTION TO MODIFY THE LOCATION OF THE CONSTRUCTION ENTRANCE TO FIT THE PREFERRED WORK PATTERN.

WASTE DISPOSAL:

1. WASTE MATERIALS: ANY WASTE AND OTHER UNUSABLE MATERIALS WILL BE REMOVED FROM THE SITE ON A REGULAR BASIS AND PROPERLY DISPOSED OF IN AN APPROVED SITE.
2. CHEMICAL WASTE: ALL CHEMICAL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A TIGHTLY SEALED METAL OR OTHER CONTAINER. ALL CHEMICAL WASTE MATERIALS WILL BE TRANSPORTED TO A COMMERCIAL CHEMICAL DISPOSAL FACILITY CAPABLE OF EITHER RECYCLING OR PROPER DISPOSAL OF THE POLLUTANTS IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. THE STATE WASTE MANAGEMENT ACTION CONTRACT NUMBER IS 0791515176.
3. HAZARDOUS WASTE: ALL HAZARDOUS WASTE MATERIALS WILL BE COLLECTED AND STORED IN A TIGHTLY SEALED METAL OR OTHER CONTAINER. ALL HAZARDOUS WASTE MATERIALS WILL BE TRANSPORTED TO A COMMERCIAL HAZARDOUS WASTE DISPOSAL FACILITY CAPABLE OF EITHER RECYCLING OR PROPER DISPOSAL OF THE POLLUTANTS IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. IF THERE ARE QUESTIONS REGARDING THE PROPER HANDLING OF HAZARDOUS WASTE, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM AT (503) 751-5176.
4. SANITARY WASTE: PORTABLE TOILET FACILITIES WILL BE PROVIDED ON THE PROJECT SITE AND SERVED BY THE PROVIDER ON A REGULAR BASIS.

MATERIAL MANAGEMENT PRACTICES:

1. ALL MATERIALS STORED ON-SITE WILL BE FOLLOWED ON-SITE DURING CONSTRUCTION.
2. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABELS.
3. MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.

SPILL PREVENTION:

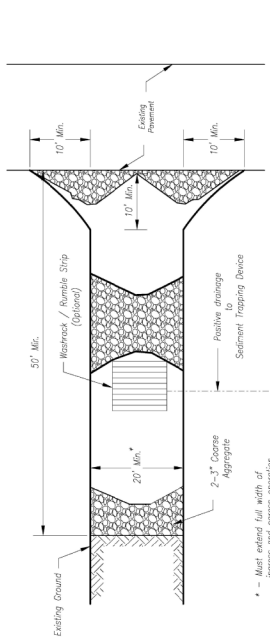
1. PETROLEUM PRODUCTS: ALL ON-SITE TANKS WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PERIODIC MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED.
2. FERTILIZERS: FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE ON-SITE, FERTILIZERS WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. FERTILIZER SHALL NOT BE STORED ON-SITE.
3. CONCRETE: CONCRETE TRUCKS WILL BE LIMITED TO A DESIGNATED AREA TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE. PROPER SPILLAGE SHALL BE INSTALLED AND MAINTAINED ON SITE DURING DIRECTIONS TO AND FROM THE SITE. ALL SPILLAGE SHALL BE IMMEDIATELY CLEANED UP AND NOT BE DESIGNATED OR MAINTAINED AT SITE. CONCRETE WASH OUT AND UNDERGROUND MAY BE PROVIDED AT THE OWNER'S DISCRETION.

LEGEND:

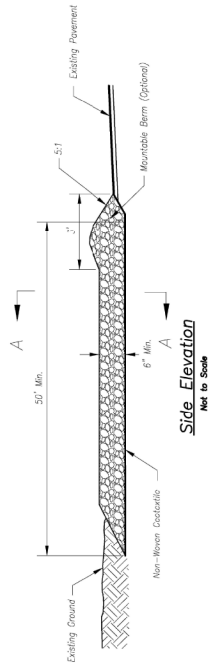
- PROPOSED CONTOURS
- EXISTING CONTOURS
- SILT FENCE
- CURB INLET PROTECTION
- DISTURBED AREA = 5 ACRES
- CONSTRUCTION ENTRANCE
- CONCRETE WASHOUT AREA



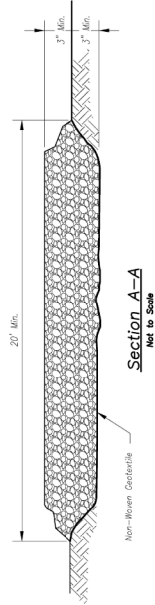
Casey's
CASEY'S CONSTRUCTION DIVISION
1013.23
LEE SUMMIT, MO #4291
ARBORIDGE DRIVE
"U" - STYLE STORE
CONSTRUCTION DIVISION
C-401



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 downhill or 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 3:1V 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. Realign entrance as needed to maintain function and integrity of installation. Top dress with clean aggregate as needed.

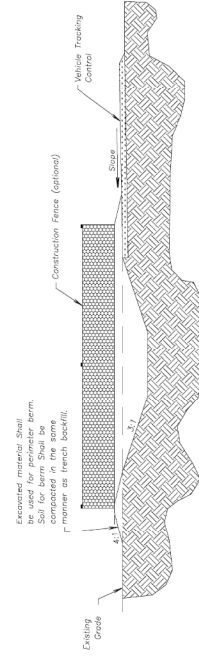
CONSTRUCTION ENTRANCE

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 6-in. subsurface pit about 10' from the entrance. The subsurface pit shall be placed on site. The slopes leading out of the subsurface pit shall be 3:1. The vehicle tracking area shall be approximately 10' from the entrance. The vehicle tracking area shall be approximately 10' from the entrance.
3. Vehicle tracking areas 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) and use of the washout areas. Signs shall be placed at the entrance and pump rigs.
5. A one-place impervious liner may be required along the bottom and sides of the subsurface pit in sandy or gravelly soils.

Maintenance for Concrete Washout

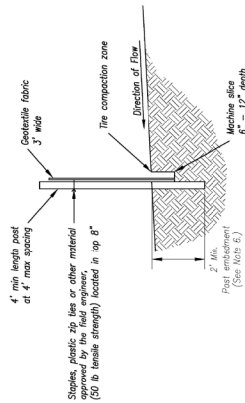
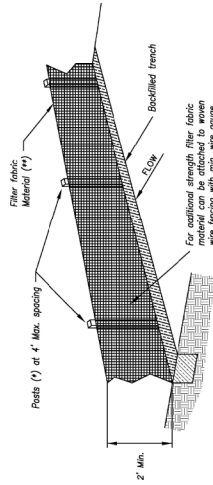
1. Concrete washout areas shall be removed once the materials have been filled the amount to approximately 75% full.
2. Concrete washout areas shall be enlarged as necessary to maintain capacity for wasted concrete.
3. Concrete washout water, wasted pieces of concrete and all other debris shall be removed from the job site. The debris shall be removed in a way that does not obstruct the project.
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 material. The material shall be compacted and stabilized 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
STANDARD DRAWING NUMBER ESC-01	ADOPTED 10/24/2016
CONSTRUCTION ENTRANCE AND CONCRETE WASHOUT	

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.



(**) - Geotextile Fabric shall meet the requirements of ASTM M200

(*) POSTS
- MIN. LENGTH 4'
- HARDWOOD 1 3/4" x 1 3/4"
- NO.2 SOUTHERN PINE 2 3/4" x 2 3/4"
- STEEL 1.3 LB/FT

SILT FENCE DETAILS

Not to Scale

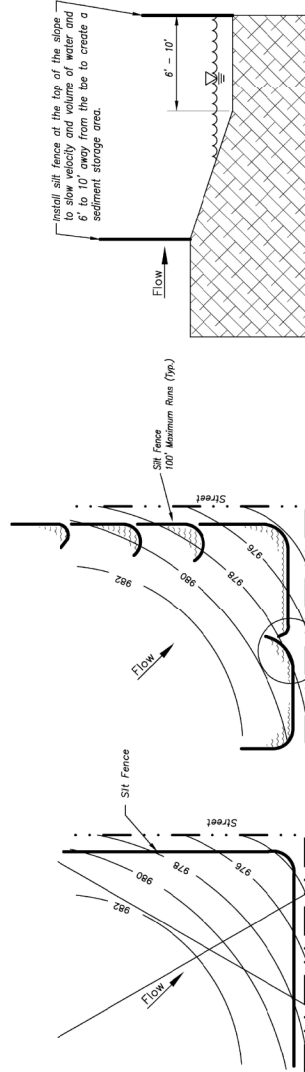


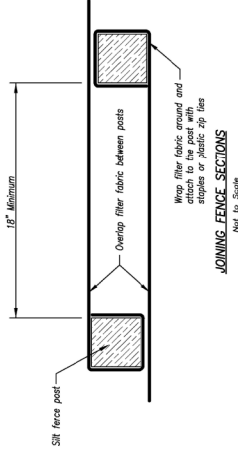
Figure A
SILT FENCE LAYOUT
Not to Scale

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 slicing machine cannot be reasonably used.

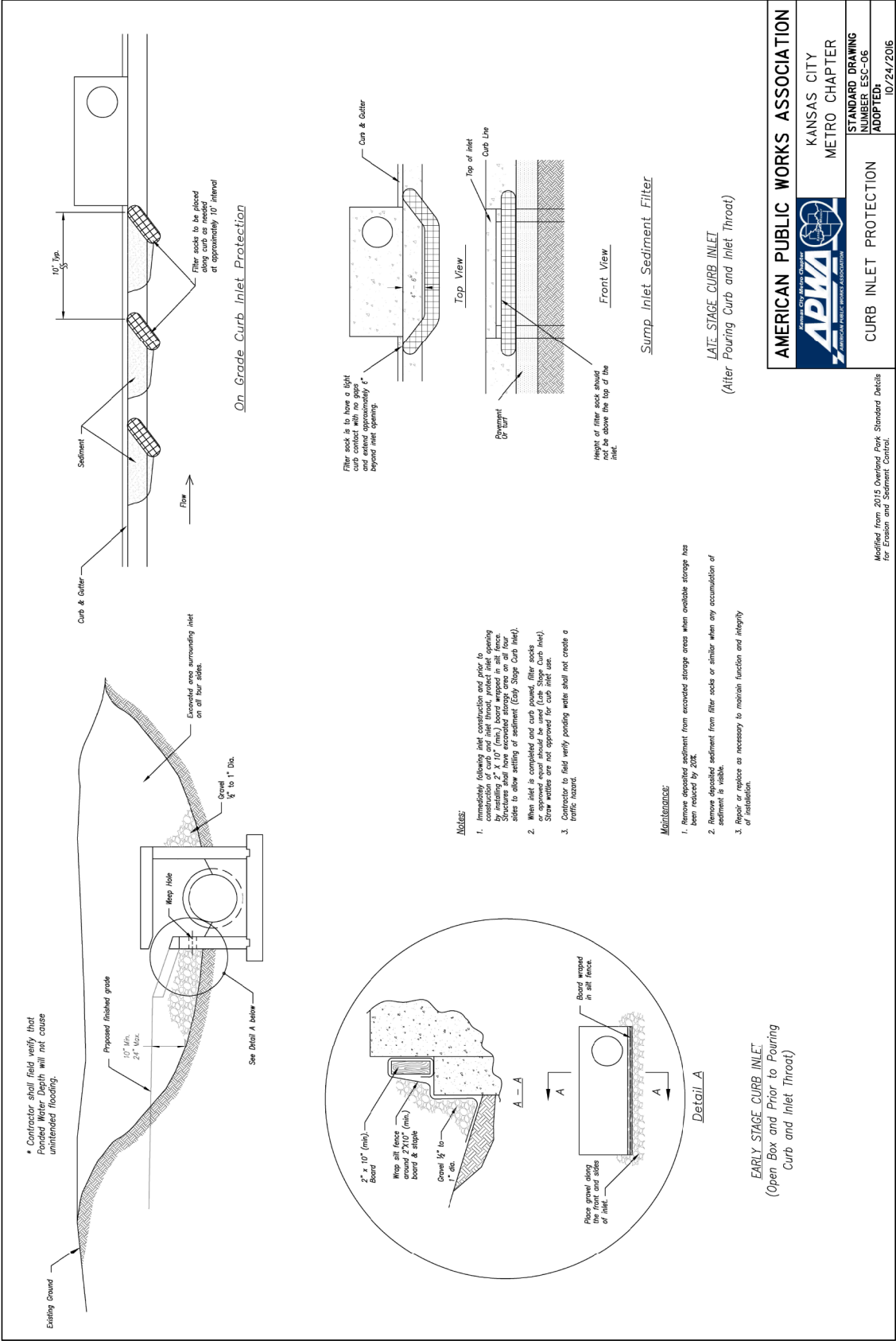
Maintenance:

1. Remove and dispose of sediment deposits when the deposit approaches 1/3 the height of silt fence.
2. Repair as necessary to maintain function and structure.



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

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



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

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

Casey's

CASEY'S CONSTRUCTION DIVISION

One Commercial Blvd., P.O. Box 300, Overland Park, KS 66204

PROJECT

10.13.23

CONTRACTOR

LEE SUMMIT, MO #4291

CONSTRUCTION DIVISION

CONSTRUCTION DIVISION

EROSION CONTROL DETAILS

C-404

PROJECT

10.13.23

CONTRACTOR

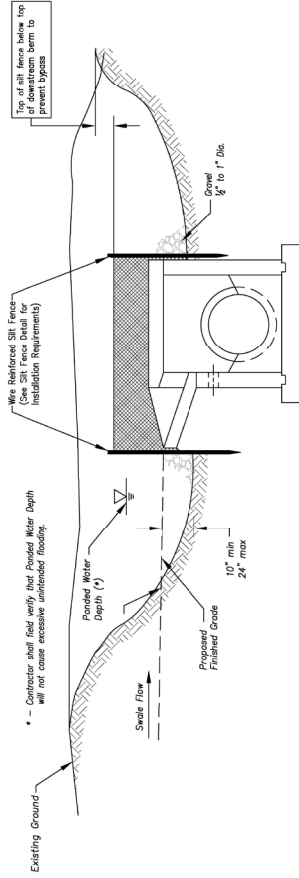
LEE SUMMIT, MO #4291

CONSTRUCTION DIVISION

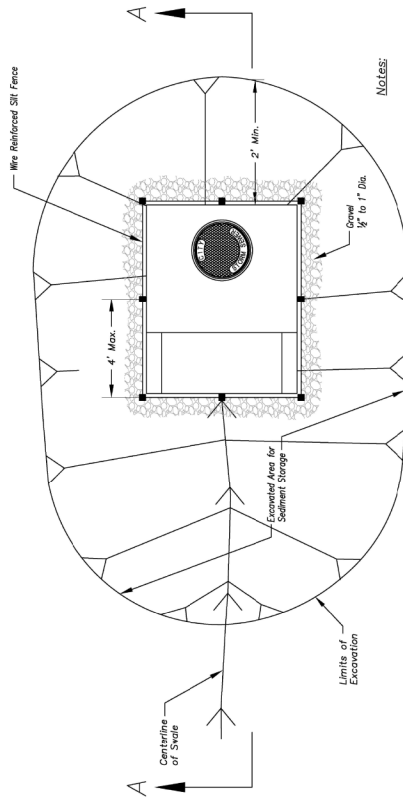
CONSTRUCTION DIVISION

EROSION CONTROL DETAILS

C-404



Section A-A
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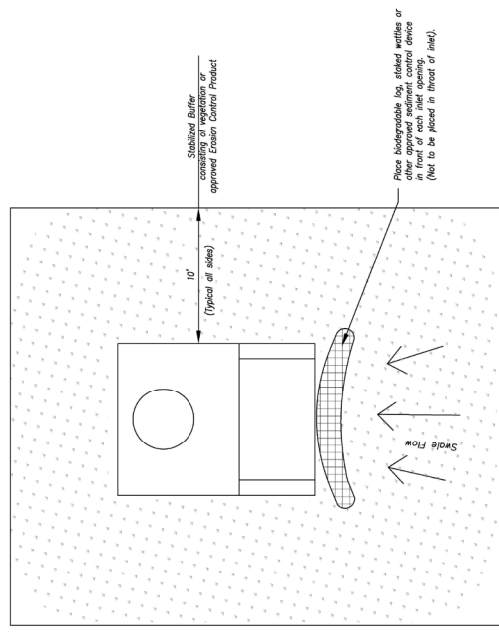


Plan
Not to Scale

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 operation. Final 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.



Plan
Not to Scale

Front View

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.

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

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

SECTION 4

- Initial Inspection Report
- Regular Inspection Report Forms – The Contractor is responsible for conducting weekly and after rain inspections and correcting deficiencies.
- BMP Checklist – The BMP checklist should be used when conducting regular inspections.
- Final Inspection Form

Initial Inspection of Erosion and Sediment Control

Project Number: _____ Date: _____

Contractor/Representative: _____

Evaluated by Construction Inspector: _____

A. Project Overview

- How Many Acres Total Does the Project Disturb? _____
- Project Start Date: _____ Project End Date: _____

B. Paperwork

- | | | | |
|--|-----|----|-----|
| • *Does the project have a Land Disturbance Permit (If required (by City)? | Yes | No | N/A |
| • *Is the SWPPP Notebook onsite? | Yes | No | N/A |

C. Site Preparation

- | | | | |
|--|-----|----|-----|
| • *Has the contractor installed temporary construction entrance(s) and are the vehicles using it? | Yes | No | N/A |
| • *Is there a place for concrete wash-out, is it clearly marked and do concrete trucks appear to be using it? | Yes | No | N/A |
| • *Is the site largely free of construction trash? (cups, lunch sacks, material packaging, etc.) | Yes | No | N/A |
| • *Have perimeter sediment controls been installed? | Yes | No | N/A |
| • *Have pre-construction controls been installed per the plan been installed? | Yes | No | N/A |
| • *Have easily recognizable indications of the construction limits been installed? (fencing, staking, physical barriers) | Yes | No | N/A |

Erosion and Sediment Control Inspection Report Form

Project Name and Location

Weather:

Rain in last 24 hrs (inches):

Owner / Permittee:

A. Current Construction / Active Areas:

Pollution Control Measures (BMP) Checklist:

- ☐ Inlet Barrier (ie: gravel bags)
- ☐ Sediment Barriers (ie: ditch checks)
- ☐ Erosion Blankets, Hydromulch / Seed, etc
- ☐ Stabilized Construction Entrance
- ☐ Stream Crossings
- ☐ Seed / Sod Areas
- ☐ Sediment Basins & Discharge Locations
- ☐ Borrow Areas
- ☐ General Site Condition (trash, etc)

B. Problem Areas / Special Observations(*Note problem areas ONLY below*):

BMP	Location	Observations, Effectiveness, & Corrective Actions Ordered

C. Listing of Areas where construction operations have permanently or temporarily stopped; stabilization measures initiated.

D. Have items noted on last inspection been corrected? Yes No (if No, Explain:)

Note: Inspection comments above indicate deficiencies only. Deficiencies must be corrected within 7 days, unless otherwise noted. All other BMP's on site are considered to be in good working condition.

Date of
Inspection

Inspector Signature

- 6 Goals • No Sediment Leaves the Site • Lines of Defense Everywhere & Always • Cover Quickly
• Protect the Swale, Ditch, and Channel • Keep Clean Water Clean • Inspect, Clean & Fix

BMP INSPECTION CHECKLIST

General notes about Inspections:

- 1) Site inspected weekly
- 2) Within 24 hours of the end of a storm with rain >0.5"
- 3) Deficiencies corrected within 7 calendar days of inspection

Key elements to look at during inspection

- 1) Proper installation
- 2) Operation
- 3) Maintenance

Inlet Barriers (ie:sand bags, gutter buddies, straw wattles)

- ✓ Is the structure deteriorating
- ✓ Is sediment >1/2 the height of structure?
- ✓ Evidence of water/sediment getting **around or under** barrier?
- ✓ Are there other structures that require inlet barriers?

Sediment Barriers (ie:ditch checks)

- ✓ Are they trenched in or falling down?
- ✓ Evidence of sediment/water getting **around or under** barrier?
- ✓ Is sediment more than 1/2 height of structure?
- ✓ Are there areas where more sediment barriers are required or need extended?

Perimeter Control (ie: silt fence, straw wattles)

- ✓ Is all the off-site water being diverted where applicable?
- ✓ Evidence of water/sediment getting **around or under** barrier?
- ✓ Are there areas that need extended or additions to other locations?

Stabilized Construction Entrance

- ✓ Is gravel clean or getting filled with mud?
- ✓ Evidence of sediment being tracked off site onto public streets?

Stream Crossing

- ✓ Is crushed stone in place?
- ✓ Wash outs?

Final or temporary Stabilization area

- ✓ Mulches/Grasses-are areas thinning or have been disturbed? Re-application req'd?
- ✓ Straw Blankets-are they deteriorating and need replaced?

Borrow Areas

- ✓ When on site or offsite borrow areas, which include contractor furnished, are to be excavated below ground elevations, an earth berm must be constructed around the borrow area to prevent runoff from entering excavation area

Sediment Basin

- ✓ Note the basin depth. Is the basin more than 1/2 full of sediment from original design?
- ✓ Condition of basin side slopes
- ✓ Evidence of overtopping embankment
- ✓ Condition of outfall

General Site Conditions

- ✓ Trash barrels-any evidence of trash lying around site
- ✓ Location of porta potties
- ✓ Leaking vehicles
- ✓ Concrete Washouts Designated

Final Inspection of Erosion and Sediment Control

Project: _____ Date: _____

Contractor/Representative: _____

Evaluated by Construction Inspector: _____

Project Overview

- How Many Acres Total Does the Project Disturb? _____
- Project Start Date _____ Project End Date _____

Paperwork

- | | | | |
|---------------------------------|-----|----|-----|
| • Is the SWPPP Notebook onsite? | Yes | No | N/A |
|---------------------------------|-----|----|-----|

Final Site Preparation*

- | | | | |
|---|-----|----|-----|
| • Has the concrete wash-out area been cleaned? | Yes | No | N/A |
| • Is the site free of construction trash?
(cups, lunch sacks, material packaging, wood debris, etc.) | Yes | No | N/A |
| • Have perimeter sediment controls been taken down? | Yes | No | N/A |
| • Have indications of the construction limits
been taken down? (fencing, staking, physical barriers) | Yes | No | N/A |
| • Has all the dirt on the site been covered? | Yes | No | N/A |
| • Have appropriate grasses/sod/trees been planted? | Yes | No | N/A |
| • Have the plants accepted? | Yes | No | N/A |
| • Have gutters and streets been cleaned of soil/trash? | Yes | No | N/A |
| • Have all erosion controls been removed? | Yes | No | N/A |