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Sam Brownback, Governor

March 30, 2017

Chief, Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
Box 7611 Ben Franklin Station
Washington, D.C. 20044-7611
Re: DOJ No. 90-5-1-1-10420

Chief, Water Enforcement Branch
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Lenexa, Kansas 66219

Kristen Nazar
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U.S. EPA
Office for Enforcement and Compliance Assurance
Water Enforcement Division
Ariel Rios Building 1200 Pennsylvania Avenue, N. W.
Washington, DC 20460

RE: Annual Report on Stormwater Compliance
US v. KDOT Consent Decree
13-CV-04069

Enclosed, in accordance with paragraph 27 of the Consent Decree, is KDOT's 2016 Annual Report on Stormwater Compliance.

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.

I also certify KDOT's compliance with paragraphs 12 through 25 of the Consent Decree, except as noted in sections 9.0 and 10.0 of the attached report.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Van Nice".

Jason Van Nice, P.E.
Stormwater Compliance Engineer

March 30, 2017
Kansas Department of Transportation
2016 Annual Report
Regarding United States v. Kansas Department of Transportation Consent Decree
No. 13-CV-04069

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1.0 Introduction

This annual report is prepared in accordance with paragraph 27 of the Consent Decree which requires the Kansas Department of Transportation (KDOT) to submit a report to the Environmental Protection Agency (EPA) by March 30th of each year. This report shall summarize actions taken during the previous year to comply with the terms of the Consent Decree. This report comprises KDOT's annual report for calendar year 2016.

2.0 Personnel Designations

2.1 Designation of Stormwater Compliance Manager

KDOT is required, under paragraph 12 of the Consent Decree, to designate one individual as its Stormwater Compliance Manager. Appointed in 2013, Mr. Jason Van Nice, P.E. continues to serve in this role as the Stormwater Compliance Engineer (SWCE). The duties of the SWCE include development and maintenance of the training program, quarterly stormwater bulletins, list of projects and annual reports. The SWCE is also responsible for coordinating the Oversight Inspection program and serving as the agency's point of contact for stormwater compliance matters.

The SWCE has the authority to direct additional inspections either at the project level or by an independent oversight inspector. In addition to formal communications such as the quarterly bulletins and training sessions, the SWCE maintains frequent communication with project staff to answer questions and provide uniform guidance to improve statewide permit compliance. The SWCE reviews inspection reports and makes site visits to verify compliance with permit requirements.

2.2 Designation of Area Engineer / Metro Engineer

In accordance with paragraph 13 of the Consent Decree, KDOT Area and Metro Engineers have been assigned additional responsibility as project stormwater compliance managers. The Area/Metro Engineer assigned to each project is required to review and approve the SWPPP prior to the initiation of construction activities. This review process requires them to be familiar with the project and the project SWPPP. The Area/Metro Engineers have authority on their projects to direct KDOT personnel, contractors and subcontractors to comply with stormwater requirements. All inspection reports completed on their assigned projects are submitted to them for review and they are responsible to order or recommend such actions as necessary to meet stormwater requirements. Once the Area / Metro Engineer reviews each inspection report, they are required to sign within three calendar days and transmit the signed report to the Stormwater Compliance Engineer.

All permitted projects have been assigned to a trained Area / Metro Engineer or to a KDOT employee of equivalent or higher responsibility. As Area / Metro Engineer vacancies are filled, the stormwater compliance duties will remain with trained Engineers at equal or higher authority until the required training is completed by the newly employed or appointed Area / Metro Engineer.

2.3 Designation of Environmental Inspectors

The Area/Metro Engineer is responsible for the assignment of Environmental Inspectors to each Project within their jurisdiction. Although a few projects make use of consultant inspection for this purpose, Environmental Inspectors are primarily KDOT employees in the Engineering Technician classification. Whether a KDOT employee or consultant, all individuals performing compliance inspections on KDOT's behalf are required to have completed the Environmental Inspector Training program described in section 4.0 of this report.

3.0 Active Project / Permit Information

Under paragraph 23 of the Consent Decree, KDOT is required to submit to EPA a list of all Projects every March 15 and September 15.

The submitted lists from March 15 and September 15, 2016 are included with this report as Appendix A.

4.0 Training

4.1 Stormwater Training Program

The training requirements detailed in paragraphs 15 and 16 of the Consent Decree are met with the continuation of the training program developed in 2013.

KDOT continues to review and update the training program and materials to match current standards and specifications. No major changes to the training program were made in 2016. Classroom discussions have evolved somewhat to accommodate a higher average level of experience within the class. Each of the training classes was offered seven times through the KDOT Certified Inspector Training (CIT) program.

The Kansas Contractors Association (KCA) continued their program developed in 2015 to offer training which parallels that offered by KDOT's Certified Inspector Training program. This KCA version of the training was offered twice during 2016 with a total attendance of 73 individuals. At the completion of the two-day program all attendees of this training course are required to pass the same written exams as in the KDOT CIT courses.

As detailed in the certification submitted to EPA on May 6, 2013, the training program meets or exceeds the requirements described in appendices B, C and D of the Consent Decree.

A total of nine training sessions were conducted in 2016 including the KDOT CIT program courses and those offered by the KCA. A total of 379 individuals completed the Environmental Inspector Training (EIT) and 154 completed the Environmental Manager Training (EMT). At the end of 2016, 786 individuals were certified as Environmental Inspectors and 377 of those individuals were certified as Environmental Managers.

4.2 Compliance with training requirements

All of KDOT's Area and Metro Engineers have completed the Environmental Inspector and Environmental Manager training courses. All current Environmental and Oversight Inspectors have completed the Environmental Inspector Training. Any new Area/Metro Engineer is required to complete the training requirements prior to assuming those duties related to stormwater compliance. If a trained Area or Metro Engineer is not available, those duties are assigned to a trained Engineer at an equivalent or higher level of responsibility.

Environmental Inspectors will not be assigned to perform Inspection duties without holding a current Environmental Inspector certification. The Environmental Inspector and Environmental Manager training certificates are valid for a period of two years; all KDOT personnel and consultants hired to work on KDOT's behalf are required to maintain current certification while performing stormwater compliance related duties.

Current KDOT specifications require the Contractor's designated Water Pollution Control Manager (WPCM) to have completed the Environmental Inspector Training and the Environmental Manager Training within the twelve months prior to beginning work on a project as WPCM. These training requirements have been included in the contracts for all Projects let after March 1, 2013 as well as many Projects let prior to that date.

4.3 Other Training

In addition to the formal training program, additional opportunities to educate KDOT staff, local public officials and contractors were identified in 2016. The Stormwater Compliance Engineer was invited to present information regarding KDOT's stormwater program to industry professionals at the annual Kansas Transportation Engineering Conference. Mr. Van Nice was also invited to speak to a group of Minnesota DOT staff and contractors regarding recent stormwater program changes and "lessons learned" in Kansas.

5.0 Compliance Inspections

5.1 Procedures

All Project inspections are required to be completed using the updated form 247 as approved with the Consent Decree. The Instructions for form 247 include the inspection procedures and guidance for KDOT staff as described in paragraph 19 of the Consent Decree. *Inspection Procedures and Form 247 Instructions* was revised in April, 2016 and distributed by email to all KDOT field offices, included in the Environmental Inspector Training materials, and is publicly available on the KDOT website. The revisions made were largely grammatical but also intended to address some frequently asked questions. No revisions were made to the inspection form. The revised *Inspection Procedures and Form 247 Instructions* are included in this report as Appendix D. No revisions to the inspection form itself were made.

Key elements of the Form 247 Instructions and inspection procedures include requirements for the stormwater erosion control preconstruction conference, inspection frequency, submittal of reports, and procedures to verify correction of identified deficiencies.

In addition to the requirements of the consent decree, KDOT specifications require the contractor to jointly participate in all project inspections. This requirement is intended to ensure that the contractor is immediately aware of all identified deficiencies and to encourage collaboration in the evaluation and decision process.

Although not required by the Consent Decree, Area / Metro Engineers are also required to submit all completed inspection reports to the SWCE at a dedicated email address. This allows the SWCE to provide additional review and oversight of the inspection process. An Engineering Technician Specialist from the Bureau of Construction and Materials is assigned, on a part-time basis, to assist the SWCE with tracking and review of inspection reports.

5.2 Inspection Forms

Inspection form 247 has been distributed to all KDOT field offices, included in the Environmental Inspector Training materials, and is publicly available on the KDOT website. This form is mandatory for use on all KDOT owned projects requiring permit coverage. All contracts administered by KDOT for projects owned by a city, county or other unit of government (Local Projects) also require the use of this form.

KDOT requested and received approval from EPA in 2015 to use an electronic inspection reporting system on a trial basis. This approval is included with this report as Appendix F.

KDOT made limited use of the approved software in 2016 for project-level and oversight inspections. Although such systems certainly have potential, further software development is required before the current Stormwater Inspection Manager (SWIM) program can be widely implemented on KDOT projects. At this time no further development of the SWIM program is anticipated. KDOT is investigating alternative systems, including the possibility of a reporting system integrated with KDOT's GIS.

5.3 Headquarters / District / Third-Party Oversight

The oversight inspection program was maintained throughout 2016. Oversight Inspectors were assigned to all projects with a disturbed area of five acres or greater. Oversight inspections have been completed at a minimum frequency of once every 60 days during active construction periods. The active construction period is considered to be the time from the initiation of ground disturbing activities until the contractor has been given a Notice of Acceptance. Active construction may also be considered complete with a partial Notice of Acceptance provided that all physical work on the project is complete.

Two consultant firms were utilized in 2016 to perform oversight inspections on the KDOT projects which disturb 300 acres or more. All consultant inspectors completed the required Environmental Inspector Training prior to performing oversight inspections.

Nine projects were assigned to headquarters staff for oversight inspection. These projects range in size between 5 and 274 acres disturbed. Headquarters staff performing oversight inspections in 2015 included the Stormwater Compliance Engineer, Field Construction Engineer and an Environmental Scientist from the KDOT Environmental Services Section of the Bureau of Right of Way. These individuals completed the required Environmental Inspector Training prior to performing oversight inspections.

The remaining 43 projects ranging from 5.5 to 64 acres disturbed were assigned to district staff, primarily Area Engineers. These individuals completed the required Environmental Inspector Training prior to performing oversight inspections.

No waiver of the third party inspection requirement was requested under paragraph 22 of the Consent Decree.

6.0 Specification and Standards

6.1 General

KDOT's specifications for erosion and sediment control saw few significant changes in 2016. Contract special provisions 15-PS0360-R1 and 15-9002-R1 were implemented in April 2016 but did not implement any new requirements. These revisions were intended to clarify existing requirements of the specifications, specifically the requirements related to the immediate initiation of stabilization.

Special provision 15-PS0360 or 15-PS0360-R1 was included in the contracts for all projects subject to the terms of the consent decree. 15-9002 or 15-9002-R01 was used in contracts for projects owned by local units of government and to KDOT-owned projects with less than 1.0 acre of disturbed area.

6.2 Water Pollution Control Manager (WPCM)

Language is included in the project special provisions for all contracts awarded in 2016 that requires the contractor to designate a Water Pollution Control Manager (WPCM) for the project. All construction contracts awarded by KDOT for Local Projects also require the contractor to designate a WPCM. KDOT field offices have been instructed not to issue the Notice to Proceed until the contractor has designated a WPCM who has documented compliance with the training requirements.

The duties and responsibilities include completion of the training program within the 12 months prior to beginning work on the project, weekly visits to the project, familiarity with the project SWPPP, authority to direct any and all contractor or sub-contractor work, and review of all inspection reports completed for the project.

6.3 Stormwater Preconstruction Conferences

Special provisions included with all applicable contracts awarded in 2016 include requirements for the contractor to participate in a stormwater erosion control conference before the start of construction activities. The requirements for these preconstruction conferences are also included in the document titled *Inspection Procedures and Form 247 Instructions*.

Minutes from each stormwater preconstruction conference are to be recorded and submitted to the SWCE as well as kept with the project SWPPP documentation.

6.4 Standard drawings and Prequalified Materials List

A number of KDOT standard drawings were updated in 2016. Revisions were made to update the standards to current practices and also to simplify the mulching bid item. Along with these revisions the form used to estimate initial bid item quantities was revised in an attempt to generate more accurate estimates. The revised drawings and Landscape Information Form is included with this report as Appendix G.

7.0 Quarterly Stormwater Bulletin

Four editions of KDOT's "Stormwater Update" bulletin were published in 2016. Bulletins were distributed on the first business days of March, June, September and December. The bulletin was distributed electronically to all Area / Metro Engineers, Environmental and Oversight Inspectors, and to Contractors. Appendix B contains the bulletins distributed in 2016.

8.0 Research

KDOT agreed in 2015 to sponsor a research project with Kansas State University to evaluate the performance of various buffalograss seed blends on western Kansas roadsides. It is anticipated that the results of this research will result in improved vegetation establishment in the most challenging areas of the state. The final research report for this project is anticipated sometime in 2017.

9.0 Kansas General Permit Compliance

Paragraph 24 requires KDOT and its contractors to comply with the Permit at each Project. Permit compliance is monitored by project Environmental Inspectors under the oversight of the responsible Area / Metro Engineer. Any potential instance of non-compliance is reported to the Stormwater Compliance Engineer. A summary table of all such instances is included with this report as Appendix H.

10.0 Consent Decree Compliance

This annual report summarizes KDOT's efforts during 2016 to comply with the Consent Decree paragraphs 12 through 25. All known instances of potential non-compliance are included with this report as Appendix J.

11.0 Outlook for 2017

KDOT will continue to evaluate specifications, standard drawings and inspection procedures for effectiveness. Revisions will be made as needed to address performance, compliance and enforcement issues. KDOT will continue to seek opportunities to educate KDOT staff and external partners.

KDOT plans to continue educating critical staff. The training program will be maintained throughout the year, with both the KDOT Certified Inspector Training program classes and the Kansas Contractors Association classes on the schedule. The course instructors continue to find new material and new ways to present information that can be otherwise repetitive and tuned out by trainees on their fifth cycle through the training in as many years.

KDOT anticipates the issuance of a revised general permit by KDHE in 2017. The upcoming permit revision will likely require a number of changes to existing KDOT standards and specifications. KDOT looks forward to working with KDHE through the public comment process as this permit is re-issued and will be making recommendations for permit improvements based upon KDOT's experience with and lessons learned in KDOT's Stormwater Compliance Program.

KDOT is also looking forward to discussions in 2017 with EPA and DOJ regarding the potential termination of the 2013 consent decree. In accordance with paragraph 74 of the Decree, KDOT intends to request the United States' consent to termination at the earliest date possible. KDOT has begun to develop a long-term construction stormwater compliance program that is intended to replace the consent decree requirements. KDOT will continue to develop this plan with the intention of having it ready for implementation upon termination of the Decree.

APPENDICES

APPENDIX A

Lists of Projects

US v. KDOT Consent Decree Project List

March 15, 2016

Kansas Permit	Fed Permit	Project Number /Name	Route	County Name	Description	Office Location	Designated Area or Metro Engineer				Responsible Contractor	Construction Activites	
							First	Last	Phone	email		Start Date	Completion Date
S-KS15-0009	KSR 111 619	KA-3077-01	U159	ATCHISON	US-159: 4.8 miles west of the east junction of US-159/K-9 (Little Stranger Creek) Bridge #099 (Blue River) on US-69 in Johnson County, located 5.12 miles north of the Johnson/Miami county line	Horton	Leroy	Koehn	(785) 486-2142	koehn@ksdot.org		05/02/16	12/16/16
S-KS68-0312	KSR 111 444	KA-3084-01	U069	JOHNSON	Concrete pavement replacement on I-35 only. This project will include the repair of bridges #315 thru #319.	Olathe	Hugh	Bogle	(913) 764-4525	hugh@ksdot.org	PYRAMID CONTRACTORS INC	03/21/16	12/16/16
S-KS52-0386	KSR 110 573	KA-3560-01	I035	JOHNSON	Bridge #016 in Jefferson County on US-59 Located 7.91 Miles North of Junction K-92 (Crooked Creek)	Olathe	Hugh	Bogle	(913) 764-4525	hugh@ksdot.org	IDEKER INC	03/16/15	04/01/16
S-KS84-0008	KSR 110 743	KA-2099-01	U059	JEFFERSON	I-70 and K-7 Interchange	Bonner Springs	Hugh	Bogle	(913) 721-2754	hugh@ksdot.org	WILDCAT CONSTRUCTION CO INC & SUBSIDIARIES	03/09/15	11/10/15
S-KS06-0048	KSR 108 435	KA-1003-08	I070	WYANDOTTE	From 290 ft. south of the north junction of US-73/K-92, west to 100 ft. west of the US-73/16th Avenue intersection (in City of Leavenworth).	Bonner Springs	Hugh	Bogle	(913) 721-2754	hugh@ksdot.org	CLARKSON CONSTRUCTION COMPANY	02/26/15	03/31/17
S-MO12-0142	KSR 110 866	KA-3529-02	U073	LEAVENWORTH	US-50: From 3.3 Miles East of US-50/RS-856 Junction, East for 1.4 Miles	Topeka	Steve	Baalman	(785) 296-3986	steveb@ksdot.org	MILES EXCAVATING INC	05/12/15	04/29/16
S-NE63-0012	KSR 110 799	KA-1827-09	U050	CHASE	US-50: From the existing Passing Lanes east of the Chase/Lyon County Line, east for 0.8 miles in Lyon County and west for 0.5 miles in Chase County	Topeka	Steve	Baalman	(785) 296-3986	steveb@ksdot.org	BETTIS ASPHALT & CONSTRUCTION INC	03/07/16	06/05/17
S-NE24-0068	KSR 110 798	KA-1827-10	U050	MULTIPLE	US-50: From 1.3 Miles East of US-50/K-177 Junction (East end on 4-Lane section in City of Strong City), East for 2.0 Miles	Topeka	Steve	Baalman	(785) 296-3986	steveb@ksdot.org	KOSS CONSTRUCTION CO	05/04/15	02/18/16
S-NE63-0011	KSR 110 791	KA-1827-08	U050	CHASE	3775 E 25th St in Lawrence	Topeka	Steve	Baalman	(785) 296-3986	steveb@ksdot.org	BETTIS ASPHALT & CONSTRUCTION INC	04/04/16	06/02/17
S-KS31-0342	KSR 111 028	Lawrence Subarea Office	KA-3145-01	JEFFERSON	K-4 and 46th Street	Topeka	Steve	Baalman	(785) 296-3986	steveb@ksdot.org	N/A - KDOT Maintenance Project	07/06/15	10/14/16
S-KS58-0010	KSR 110 789				Bridges located 3.52 miles and 3.62 miles east of Osage/Lyon county line	Topeka	Steve	Baalman	(785) 296-3986	steveb@ksdot.org	HAMM INC	03/21/16	11/01/16
S-MC41-0002	KSR 109 575	KA-2076-01	K170	OSAGE	Bridge #043 Shawnee County on I-70 located 0.13 Miles East of Carnahan Avenue/Deer Creek Trafficway Interchange.	Topeka	Steve	Baalman	(785) 296-3986	steveb@ksdot.org	BRYAN OHLMEIER CONSTRUCTION CO INC	06/23/14	12/11/14
S-KS72-0465	KSR 110 722	KA-2107-01	I070	SHAWNEE	Bridge #122 in Shawnee County on K-4 Located 8.90 Miles North East of Wabaunsee County Line (Blacksmith Creek)	Topeka	Steve	Baalman	(785) 296-3986	steveb@ksdot.org	BETTIS ASPHALT & CONSTRUCTION INC	04/13/15	06/15/16
S-KS72-0412	KSR 109 518	KA-2089-01	K004	SHAWNEE	Bridge #067 Located 4.77 Miles East of US-75 (Abandoned MOPAC Railroad)	Topeka	Steve	Baalman	(785) 296-3986	steveb@ksdot.org	KING CONSTRUCTION COMPANY, INC.	04/28/14	04/02/15
S-MC58-0003	KSR 109 396	KA-2077-01	K268	OSAGE	K-10 (South Lawrence Trafficway)/Bob Billings Pkwy on West Side of Lawrence	Topeka	Steve	Baalman	(785) 296-3986	steveb@ksdot.org	EBERT CONSTRUCTION COMPANY INC & SUBSIDIARY	08/05/13	12/20/13
S-KS31-0277	KSR 109 572	KA-1826-01	K010	DOUGLAS	K-10 Connection, from South Jct US-59/K-10 East to K-10	Topeka	Steve	Baalman	(785) 296-3986	steveb@ksdot.org	HAMM INC	07/29/14	05/06/16
S-KS31-0263	KSR 109 192	K-8392-04	K010	DOUGLAS	N of Lyndon/U75 & K31/K268	Topeka	Steve	Baalman	(785) 296-3986	steveb@ksdot.org	EMERY SAPP & SONS INC AND SUBSIDIARY	11/11/13	11/20/16
S-MC21-0005	KSR 108 168	KA-0047-01	U075	OSAGE	US-24, from Countryside Road, East to Existing 4-Lane	Topeka	Steve	Baalman	(785) 296-3986	steveb@ksdot.org	SMOKY HILL, LLC	10/28/13	05/27/15
S-KS72-0385	KSR 108 786	K-7431-01	U024	SHAWNEE	Bridge #034 in Riley County on K-18 Located 4.59 Miles East of South Junction K-177 (Kansas River Drainage)	Topeka	Steve	Baalman	(785) 296-3986	steveb@ksdot.org	HAMM INC	07/08/13	02/09/15
S-KS38-0267	KSR 110 795	KA-2105-01	K018	RILEY	Bridge #009 in Marshall County on US-77 Located 0.97 Miles North of Riley County Line (Swede Creek)	Wamego	Mark	Karolevitz	(785) 456-2353	vitz@ksdot.org	KING CONSTRUCTION COMPANY, INC.	09/14/15	05/06/16
S-BB22-0006	KSR 110 441	KA-2102-01	U077	MARSHALL	Culverts on K-4 Located at State Mileposts 283.13 and 283.35 Approximately 0.9 & 0.7 Miles West of K-99	Wamego	Mark	Karolevitz	(785) 456-2353	vitz@ksdot.org	L & M CONTRACTORS INC	03/25/15	04/04/16
S-KS01-0014	KSR 110 196	KA-2476-01	K004	WABAUNSEE	Bridge #021 in Marshall County on K-9 Located 2.30 Miles East of Washington County Line (Coon Creek)	Wamego	Mark	Karolevitz	(785) 456-2353	vitz@ksdot.org	EBERT CONSTRUCTION COMPANY INC & SUBSIDIARY	08/04/14	04/17/15
S-BB22-0005	KSR 110 416	KA-2101-01	K009	MARSHALL	Bridge Number 042 (Wolf Creek) located 2.3 miles northeast of the K-99/US-36 junction	Wamego	Mark	Karolevitz	(785) 456-2353	vitz@ksdot.org		03/06/17	12/15/17
S-BB03-0008	KSR 110 147	KA-2070-01	K099	MARSHALL	Tributary to South Fork Mill Cr Bridge (063), at the West Junction of K-4	Wamego	Mark	Karolevitz	(785) 456-2353	vitz@ksdot.org	BRIDGES INC	10/13/14	12/11/15
S-KS01-0012	KSR 107 109	KA-0703-01	K099	WABAUNSEE	Culvert #551, Snipe Creek Drainage, on US-36 in Marshall County, 2.37 Miles East of US-36/K-99 Junction	Wamego	Mark	Karolevitz	(785) 456-2353	vitz@ksdot.org	KING CONSTRUCTION COMPANY, INC.	12/21/11	12/06/12
S-BB03-0009	KSR 110 800	KA-2860-01	U036	MARSHALL	Bridge #056 on K-99 in Wabaunsee County Located 4.91 Miles South of I-70	Wamego	Mark	Karolevitz	(785) 456-2353	vitz@ksdot.org	EBERT CONSTRUCTION COMPANY INC & SUBSIDIARY	05/26/15	12/11/15
S-KS01-0016	KSR 111 385	KA-2111-01	K099	WABAUNSEE	I-435 from 87th Street E to Pfleum Road, I-35 & K-10	Olathe - Gateway	Paul	Gripka	(913) 764-4525	gripka@ksdot.org	EBERT CONSTRUCTION COMPANY INC & SUBSIDIARY	02/29/16	12/16/16
S-KS34-0248	KSR 109 025	KA-1002-04	I435	JOHNSON							GATEWAY INTERCHANGE CONSTRUCTORS JOINT VENTURE	06/04/14	07/17/17

US v. KDOT Consent Decree Project List

March 15, 2016

Kansas Permit	Fed Permit	Project Number /Name	Route	County Name	Description	Office Location	Designated Area or Metro Engineer				Responsible Contractor	Construction Activites	
							First	Last	Phone	email		Start Date	Completion Date
S-KS97-0153	KSR 110 792	KA-2367-02	U077	GEARY	Junction of US-77/Old US-40, south of I-70, North to a point on US-77, 0.33 miles north of I-70. This project will include the Rucker Road intersection, 3.2 miles north of I-70 and US-77 climbing lane, 4 miles north of I-70.	Clay Center	Dale	Hershberger	(785) 632-3108	daleh@ksdot.org	HAMM INC	06/29/15	05/17/17
S-SA11-0003	KSR 107 490	K-6779-02	I070	SALINE	0.5 Mile West of RS 1050, East to SA/DK County Line	Clay Center	Dale	Hershberger	(785) 632-3108	daleh@ksdot.org	BRIDGES INC	09/09/11	11/08/12
S-KS97-0159	KSR 111 618	KA-2367-04	U077	GEARY	US-77/K-18 Junction, approximately 2 miles north of I-70	Clay Center	Dale	Hershberger	(785) 632-3108	daleh@ksdot.org		05/02/16	12/01/17
S-LR05-0015	KSR 110 920	KA-3085-01	K015	CLAY	Bridge #018 (Republican River Drainage) on K-15 in Clay County, located 8.09 miles north of the K-15/K-82 junction	Clay Center	Dale	Hershberger	(785) 632-3108	daleh@ksdot.org	KING CONSTRUCTION COMPANY, INC.	10/29/15	12/16/16
S-SH45-0062	KSR 110 503	KA-3985-01	I070	GEARY	Rest areas, eastbound and westbound, at State Milepost 294 on I-70 in Geary County	Clay Center	Dale	Hershberger	(785) 632-3108	daleh@ksdot.org	LEAVENWORTH EXCAVATING & EQUIPMENT COMPANY INC AND AFFILIATE	01/20/15	03/24/15
S-SH01-0021	KSR 108 422	KA-0732-01	I070	DICKINSON	0.4 Mi W of K-15(Abilene) E to 2.3 M E of E Juncit K-43	Clay Center	Dale	Hershberger	(785) 632-3108	daleh@ksdot.org	IDEKER INC	05/13/13	04/15/15
S-KS97-0136	KSR 108 587	KA-2402-01	U077	GEARY	U77 & K57, install signal, turn lanes, and int. imp.	Clay Center	Dale	Hershberger	(785) 632-3108	daleh@ksdot.org	LEAVENWORTH EXCAVATING & EQUIPMENT COMPANY INC AND AFFILIATE	07/15/13	08/13/14
S-SH45-0064	KSR 111 026	KA-2367-03	U077	GEARY	K-18/Spring Valley Road intersection and US-77 from just north of US-77/Lacy Drive/Goldenbelt Blvd., North to just north of McFarland Road.	Clay Center	Dale	Hershberger	(785) 632-3108	daleh@ksdot.org	EBERT CONSTRUCTION COMPANY INC & SUBSIDIARY	08/31/15	12/02/16
S-LR03-0014	KSR 110 426	KA-2085-01	U036	REPUBLIC	Bridge #012 in Republic County on US-36 Located 0.22 Miles East of US-81 (Riley Creek)	Mankato	Shad	Lohman	(785) 823-3754	shadl@ksdot.org	SMOKY HILL, LLC	03/09/15	05/31/16
S-LR20-0002	KSR 109 009	KA-0022-01	K028	JEWELL	Bridge Replacement; Buffalo Creek Drainage Bridge (037) 2.5 Miles West of Jewell/Cloud County Line	Mankato	Shad	Lohman	(785) 823-3754	shadl@ksdot.org	REECE CONSTRUCTION COMPANY INC	07/14/14	12/08/14
S-LR08-0020	KSR 109 455	KA-2055-01	K009	CLOUD	Bridge #023, Coal Creek 7 miles southwest of K-28.	Mankato	Shad	Lohman	(785) 823-3754	shadl@ksdot.org	L & M CONTRACTORS INC	03/04/14	11/26/14
S-LR16-0008	KSR 110 824	KA-2191-01	U036	JEWELL	4.4 Miles East of East US-36/K-128 Junction, East to 1.6 Miles West of West US-36/K-14 Junction.	Mankato	Shad	Lohman	(785) 823-3754	shadl@ksdot.org	VENTURE CORPORATION	04/04/16	12/18/16
S-LR03-0018	KSR 111 630	KA-3237-01	U081	REPUBLIC	US-81: From 8.5 miles north of the Republic/Cloud County Line, north to 1 mile north of US-36	Mankato	Shad	Lohman	(785) 823-3754	shadl@ksdot.org	PAVERS INC.	04/04/16	12/16/16
S-LR03-0014	KSR 110 426	KA-2334-01	U036	REPUBLIC	From 0.24 Miles East of US-36/US-81 Junction, East to 1.1 Miles East of US-36/US-81 Junction	Mankato	Shad	Lohman	(785) 823-3754	shadl@ksdot.org	SMOKY HILL, LLC	03/09/15	05/31/16
S-LR01-0002	KSR 109 557	KA-2086-01	K148	REPUBLIC	Br #36 (W Fork Elk Creek Drainage) & #37 (W Fork Elk Creek) 12.19 & 12.34 Miles NE of US-81	Mankato	Shad	Lohman	(785) 823-3754	shadl@ksdot.org	KING CONSTRUCTION COMPANY, INC.	06/02/14	12/16/15
S-LR16-0010	KSR 111 383	KA-3088-01	K128	JEWELL	Bridge #035 (Limestone Creek) on K-128 in Jewell County, located 0.78 miles north of the US-36/K-15 junction	Mankato	Shad	Lohman	(785) 823-3754	shadl@ksdot.org	L & M CONTRACTORS INC	05/02/16	02/28/17
S-LR09-0002	KSR 109 798	KA-2084-01	U036	REPUBLIC	Bridge Number 001 located 0.78 miles east of K-199 (Beaver Creek)	Mankato	Shad	Lohman	(785) 823-3754	shadl@ksdot.org	L & M CONTRACTORS INC	10/20/14	12/15/15
S-LR20-0003	KSR 110 739	KA-2864-01	K028	JEWELL	Culvert #510, Buffalo Creek Drainage, on K-28 in Jewell County, 5.68 Miles East of K-14	Mankato	Shad	Lohman	(785) 823-3754	shadl@ksdot.org	REECE CONSTRUCTION COMPANY INC	07/30/15	05/20/16
S-LR01-0003	KSR 110 684	KA-2472-01	K148	REPUBLIC	Culvert #516 (Coal Creek) on K-148 in Republic County Located 5.7 Miles East of US-81	Mankato	Shad	Lohman	(785) 823-3754	shadl@ksdot.org	REECE CONSTRUCTION COMPANY INC	03/01/16	12/04/16
S-LA11-0099	KSR 111 245	KA-2366-01	I135	MCPHERSON	Junction of I-135 and Mohawk Road	Marion	Joe	Palic	(620) 382-3717	palic@ksdot.org	EBERT CONSTRUCTION COMPANY INC & SUBSIDIARY	03/09/16	12/09/16
S-LA11-0102	KSR 111 386	KA-2192-01	U056	MCPHERSON	US-56: From Eby St. East to the east ramp terminal of the US-56/U-135 interchange	Marion	Joe	Palic	(620) 382-3717	palic@ksdot.org	APAC KANSAS INC SHEARS DIVISION	03/14/16	12/16/16
S-NE45-0012	KSR 110 796	KA-2770-02	U056	MARION	Junction of US-56/US-77/K-150	Marion	Joe	Palic	(620) 382-3717	palic@ksdot.org	CORNEJO & SONS LLC	06/08/15	05/27/16
S-NE17-0014	KSR 111244	KA-2473-01	K149	MORRIS	K-149: From 0.6 miles north of the K-149/US-56 junction, north to 0.7 miles south of the K-149/K-4 junction	Marion	Joe	Palic	(620) 382-3717	palic@ksdot.org	REECE CONSTRUCTION COMPANY INC	05/02/16	01/20/17
S-SA02-0004	KSR 111 675	KA-3092-01	K140	SALINE	Bridge #121 (West Spring Creek Drainage) on K-140 in Saline County, located 3.46 miles east of the Saline/Ellsworth County Line	Ellsworth	Karlton	Place	(785) 472-4447	kplace@ksdot.org	REECE CONSTRUCTION COMPANY INC	05/16/16	10/28/16
S-SH19-0003	KSR 111 210	KA-3091-01	K140	ELLSWORTH	Bridges #050 & #051 (West Spring Creek Drainage) on K-140 in Ellsworth County, located 1.97 and 2.1 miles east of the K-140/K-141 junction	Ellsworth	Karlton	Place	(785) 472-4447	kplace@ksdot.org	REECE CONSTRUCTION COMPANY INC	03/14/16	12/16/16
S-SA07-0013	KSR 109 847	KA-2067-01	K018	LINCOLN	Bridge #024, Beaver Creek, 3.7 miles east of the K-18/K-14 junction.	Ellsworth	Karlton	Place	(785) 472-4447	kplace@ksdot.org	KING CONSTRUCTION COMPANY, INC.	03/20/15	09/08/15
S-SA06-0003	KSR 109 568	KA-2072-01	K181	MITCHELL	0.90 mi and 0.88 mi N of Mitchell/Lincoln county line (Bacon Creek and Bacon Creek Drainage)	Ellsworth	Karlton	Place	(785) 472-4447	kplace@ksdot.org	REECE CONSTRUCTION COMPANY INC	03/21/16	12/16/16
S-SO41-0011	KSR 110 919	KA-2088-01	K258	ROOKS	Bridge #006 in Rooks County on K-258 Located at Junction K-258/US-24	Phillipsburg	Harold	Schleicher	(785) 543-2163	harolds@ksdot.org	APAC KANSAS INC SHEARS DIVISION	11/02/15	12/16/16

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Kansas Permit	Fed Permit	Project Number /Name	Route	County Name	Description	Office Location	Designated Area or Metro Engineer				Responsible Contractor	Construction Activites	
							First	Last	Phone	email		Start Date	Completion Date
S-SO24-0002	KSR 110 983	KA-3093-01	K009	NORTON	Bridge #044 (North Fork Solomon River Drainage) on K-9 in Norton County, located 11.65 miles east of the Norton/Decatur County Line	Phillipsburg	Harold	Schleicher	(785) 543-2163	harolds@ksdot.org	VENTURE CORPORATION	06/01/16	12/23/16
S-UR17-0015	KSR 110 429	KA-0026-02	U036	DECATUR	Bridge located 4 miles east of US-36/US-83 junction	Atwood	Eric	Oelschlager	(785) 626-3258	erico@ksdot.org	BRIDGES INC	03/02/15	05/31/16
S-UR17-0014	KSR 110 428	KA-0026-01	U036	DECATUR	Bridge located 2 miles east of US-36/US-83 junction	Atwood	Eric	Oelschlager	(785) 626-3258	erico@ksdot.org	BRIDGES INC	03/02/15	05/31/16
S-UR17-0016	KSR 110 430	KA-0026-03	U036	DECATUR	Bridge located 7 miles east of US-36/US-83 junction	Atwood	Eric	Oelschlager	(785) 626-3258	erico@ksdot.org	BRIDGES INC	03/02/15	05/31/16
S-SO20-0018	KSR 109 151	KA-0042-01	U024	SHERIDAN	Bridge Replacement; S Fork Solomon River Bridge (007) 9.13 Miles East of Junction K-23/US-24	Hays	Kevin	Zimmer	(785) 625-9718	kevinz@ksdot.org	KING CONSTRUCTION COMPANY, INC.	09/30/13	12/12/14
S-SO20-0017	KSR 109 150	KA-0041-01	U024	SHERIDAN	Bridge Replacement; S Fork Solomon River Bridge (005) 7.8 Miles East of Junction K-23/US-24	Hays	Kevin	Zimmer	(785) 625-9718	kevinz@ksdot.org	KING CONSTRUCTION COMPANY, INC.	11/05/13	12/12/14
S-SO20-0025	KSR 110 922	KA-0751-01	U083	SHERIDAN	US-83: County line east to US-83/K-23 junction. Bridge #039 in Thomas County on US-83 Located 6.61 Miles North of Junction I-70 (South Fork Solomon River)	Oakley	Mathew	Witthington	(785) 672-3113	matheww@ksdot.org	VENTURE CORPORATION	03/21/16	11/04/16
S-SH29-0017	KSR 110 644	KA-2108-01	U083	THOMAS	Bridge #037 in Thomas County on US-83 Located 3.56 Miles North of Logan County Line (North Fork Saline River)	Oakley	Mathew	Witthington	(785) 672-3113	matheww@ksdot.org	KLAVER CONSTRUCTION COMPANY INC	04/20/15	12/17/15
S-SH29-0019	KSR 110 646	KA-2110-01	U083	THOMAS	K-27: From 7.7 miles north of the Wallace/Greeley county line, north to approx. 2 miles south of West Junction K-27/US-40.	Oakley	Mathew	Witthington	(785) 672-3113	matheww@ksdot.org	KLAVER CONSTRUCTION COMPANY INC	03/03/15	12/15/15
S-SH35-0010	KSR 110 635	KA-1004-02	K027	WALLACE	Bridge #036 in Thomas County on US-83 Located 1.05 Miles North of Logan County Line (South Fork Saline River)	Oakley	Mathew	Witthington	(785) 672-3113	matheww@ksdot.org	VENTURE CORPORATION	03/05/15	05/27/16
S-SH29-0018	KSR 110 645	KA-2109-01	U083	THOMAS	Bridge #036 in Thomas County on US-83 Located 1.05 Miles North of Logan County Line (South Fork Saline River)	Oakley	Mathew	Witthington	(785) 672-3113	matheww@ksdot.org	KLAVER CONSTRUCTION COMPANY INC	04/02/15	12/15/15
S-UR08-0001	KSR 111 415	KA-3081-01	U083	THOMAS	Bridge #040 on US-83 in Thomas County located 0.44 miles south of the US-83/US-24 junction	Oakley	Mathew	Witthington	(785) 672-3113	matheww@ksdot.org	KLAVER CONSTRUCTION COMPANY INC	03/14/16	12/16/16
S-WA23-0002	KSR 110 742	KA-2375-03	U400	GREENWOOD	US-400: From the Greenwood/Butler County Line, East for 2.5 Miles	Iola	Darrin	Petrowsky	(620) 365-2161	darrin@ksdot.org	BETTIS ASPHALT & CONSTRUCTION INC	04/18/16	12/16/16
S-NE70-0005	KSR 110 634	KA-2112-01	U054	WOODSON	Bridge #005 in Woodson County on US-54 Located 2.49 Miles East of US-75	Iola	Darrin	Petrowsky	(620) 365-2161	darrin@ksdot.org	A M COHRON & SON INC	03/02/15	11/13/15
S-VE34-0005	KSR 110 736	KA-2375-04	U400	GREENWOOD	US-400: From 5 Miles East of Butler/Greenwood County Line, East for 2.5 Miles	Iola	Darrin	Petrowsky	(620) 365-2161	darrin@ksdot.org	BETTIS ASPHALT & CONSTRUCTION INC	04/18/16	12/16/16
S-MC46-0011	KSR 109 613	KA-2114-01	K003	BOURBON	Bridge #026 Located 3.29 Miles North of West Junction K-39 (Hinton Creek)	Iola	Darrin	Petrowsky	(620) 365-2161	darrin@ksdot.org	KING CONSTRUCTION COMPANY, INC.	03/23/15	11/17/15
S-VE34-0004	KSR 110 723	KA-2375-05	U400	GREENWOOD	US-400: From 1.7 Miles East of US-400/K-99 East Junction, East for 2 Miles	Iola	Darrin	Petrowsky	(620) 365-2161	darrin@ksdot.org	KOSS CONSTRUCTION CO	07/10/15	05/06/16
S-MC31-0084	KSR 111 226	KA-2097-01	K068	FRANKLIN	K-68: Bridge located 8 1/2 miles east of Osage county line (Marais Des Cygnes River)	Garnett	Donna	Schmit	(785) 448-5446	donnas@ksdot.org	A M COHRON & SON INC	03/28/16	12/18/16
S-MC13-0021	KSR 110 745	KA-2094-01	U059	ANDERSON	Bridge #007 in Anderson County US-59 Located 3.17 Miles North of North Junction K-31 (Pottawatomie Creek)	Garnett	Donna	Schmit	(785) 448-5446	donnas@ksdot.org	B & B BRIDGE COMPANY LLC	06/12/15	09/27/16
		KA-2373-02	K068	MIAMI	Construct frontage road north of K-68. This project will include the reconstruction & realignment of Somerset Rd, south of K-68 and the addition of turn lanes to K-68.	Garnett	Donna	Schmit	(785) 448-5446	donnas@ksdot.org		09/05/16	09/29/17
S-MC26-0014	KSR 110 738	KA-2475-01	K052	LINN	Culvert #531 (Mine Creek Drainage) on K-52 in Linn County Located 2.8 Miles West of South Junction US-69	Garnett	Donna	Schmit	(785) 448-5446	donnas@ksdot.org	KILLOUGH CONSTRUCTION INC	08/10/15	11/12/15
S-VE18-0008	KSR 110 740	KA-2375-07	U400	WILSON	US-400: From 4 Miles South & East of US-400/K-47 Junction, Southeast for 2.5 Miles	Independence	Darrin	Petrowsky	(620) 365-2161	darrin@ksdot.org	SHILLING CONSTRUCTION CO INC	05/11/15	04/01/16
S-VE21-0003	KSR 110 681	KA-2474-01	U166	MONTGOMERY	Culvert #514 (Cotton Creek Drainage) on US-166 in Montgomery County Located 1.02 Miles East of Chautauqua/Montgomery County Line	Independence	Darrin	Petrowsky	(620) 365-2161	darrin@ksdot.org	SHILLING CONSTRUCTION CO INC	02/25/16	05/02/16
S-VE18-0007	KSR 110 735	KA-2375-06	U400	WILSON	US-400: From 1.5 Miles East of Wilson/Greenwood County Line, East for 2 Miles	Independence	Darrin	Petrowsky	(620) 365-2161	darrin@ksdot.org	KOSS CONSTRUCTION CO	08/07/15	02/24/16
S-NE11-0031	KSR 109 699	KA-2075-01	K039	NEOSHO	Bridge Number 023 located 2.28 miles east of US-169 (Neosho River Drainage)	Pittsburg	George	Dockery	(620) 231-7560	georged@ksdot.org	B & B BRIDGE COMPANY LLC	05/19/14	08/25/15
S-NE15-0015	KSR 111 617	KA-1586-01	K007	CHEROKEE	from K-7/US-160 Junction (Columbus), North to CK/CR County Line	Pittsburg	George	Dockery	(620) 231-7560	georged@ksdot.org		05/09/16	04/01/19
S-NE55-0048	KSR 110 734	KA-2375-08	U400	LABETTE	US-400: From 0.5 Miles East of Labette/Montgomery County Line, East for 2.5 Miles	Pittsburg	George	Dockery	(620) 231-7560	georged@ksdot.org	SHILLING CONSTRUCTION CO INC	03/23/15	12/16/15

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Kansas Permit	Fed Permit	Project Number /Name	Route	County Name	Description	Office Location	Designated Area or Metro Engineer				Responsible Contractor	Construction Activites	
							First	Last	Phone	email		Start Date	Completion Date
S-NE55-0045	KSR 110 502	KA-3261-01	U059	LABETTE	West junction of US-59/US-160, north to the City of Parsons	Pittsburg	George	Dockery	(620) 231-7560	georged@ksdot.org	SHILLING CONSTRUCTION CO INC	09/14/15	09/16/16
S-NE47-0001	KSR 110 683	KA-0740-01	U400	CHEROKEE	US-400: from Labette/Cherokee County Line, East to Jct US-400/K-7	Pittsburg	George	Dockery	(620) 231-7560	georged@ksdot.org	APAC KANSAS INC SHEARS DIVISION	08/06/15	12/16/16
S-NE55-0047	KSR 110 682	KA-0741-01	U400	LABETTE	US-400: Approx. 1/2 mile west of the county line (near Straus) east to county line	Pittsburg	George	Dockery	(620) 231-7560	georged@ksdot.org	APAC KANSAS INC SHEARS DIVISION	01/13/16	12/16/16
S-NE11-0035	KSR 111 681	KA-1613-01	K039	NEOSHO	Br. #025 (5.46 Miles East) & #026 (6.92 Miles East) of South Junction US-169.	Pittsburg	George	Dockery	(620) 231-7560	georged@ksdot.org		03/10/17	12/16/16
S-NE55-0049	KSR 110 755	KA-2375-09	U400	LABETTE	US-400: From 5 Miles Southeast of US-400/US-59 Junction, East for 2 Miles	Pittsburg	George	Dockery	(620) 231-7560	georged@ksdot.org	SHILLING CONSTRUCTION CO INC	02/29/16	08/01/16
S-AR73-0026	KSR 108 588	K-8243-04	U054	PRATT	Jct RS 501, East to 1 Mile East of Cairo Intersection	Pratt	Scott	Mullen	(620) 672-7494	smullen@ksdot.org	KOSS CONSTRUCTION CO	04/15/13	10/28/15
S-AR63-0004	KSR 110 409	KA-2863-01	U400	KIOWA	Culvert #516, Rattlesnake Creek Drainage, on US-400 in Kiowa County, 1.82 Miles East of Ford County Line	Pratt	Scott	Mullen	(620) 672-7494	smullen@ksdot.org	REECE CONSTRUCTION COMPANY INC	03/30/15	11/12/15
S-LA02-0006	KSR 110 793	KA-1827-04	U050	HARVEY	US-50: From the existing 4-Lane Section in the City of Burton, East for 1.3 Miles	El Dorado	Scott	Koopmann	(316) 321-2880	scott@ksdot.org	APAC KANSAS INC SHEARS DIVISION	02/15/16	09/16/16
S-AR49-0045	KSR 105 575	K-7409-02	U050	RENO	West of Junction K-61, East to East of Yoder/Airport Rd	El Dorado	Scott	Koopmann	(316) 321-2880	scott@ksdot.org	DONDLINGER & SONS CONSTRUCTION CO INC	08/16/11	05/12/14
S-LA02-0005	KSR 110 679	KA-1827-03	U050	HARVEY	US-50: From 0.3 miles east of the Reno/Harvey County Line, East for 1.1 Miles to the existing 4-Lane section in the City of Burton	El Dorado	Scott	Koopmann	(316) 321-2880	scott@ksdot.org	APAC KANSAS INC SHEARS DIVISION	02/24/16	07/15/16
S-LA13-0094	KSR 110 921	KA-1827-07	U050	HARVEY	US-50: From 1.3 Miles East of US-50/RS-304 Junction, East for 1.2 Miles	El Dorado	Scott	Koopmann	(316) 321-2880	scott@ksdot.org	VENTURE CORPORATION	01/19/16	09/02/16
S-LA13-0079	KSR 109 220	KA-0052-01	I135	HARVEY	I-135/36th St, 2 miles south of So. Junct I-135/US-50	El Dorado	Scott	Koopmann	(316) 321-2880	scott@ksdot.org		03/07/17	04/01/18
S-LA06-0008	KSR 110 825	KA-1827-06	U050	HARVEY	From 0.5 Miles East of US-50/K-89 Junction, East for 0.5 Miles (West end of existing passing lanes).	El Dorado	Scott	Koopmann	(316) 321-2880	scott@ksdot.org	VENTURE CORPORATION	04/04/16	07/01/16
S-AR49-0150	KSR 110 794	KA-1827-02	U050	RENO	US-50: From 0.2 miles east of the US-50/RS-306/RS-1809 Junction, east for 1.25 Miles	El Dorado	Scott	Koopmann	(316) 321-2880	scott@ksdot.org	APAC KANSAS INC SHEARS DIVISION	04/04/16	07/22/16
S-WA03-0042	KSR 109 939	KA-2212-01	U054	BUTLER	US-54: East city limits of Andover east to west city limits of Augusta	El Dorado	Scott	Koopmann	(316) 321-2880	scott@ksdot.org	APAC KANSAS INC SHEARS DIVISION	09/22/14	11/19/15
S-WA12-0006	KSR 111 445	KA-3104-01	K196	BUTLER	Bridges #057 (Dry Creek), #059 (Whitewater River) & #060 (Diamond Creek) on K-196 in Butler County, located 5.60, 6.46 and 6.72 miles southeast of the Butler/Harvey County Line	El Dorado	Scott	Koopmann	(316) 321-2880	scott@ksdot.org		02/27/17	11/18/17
S-WA23-0003	KSR 110 744	KA-2375-02	U400	BUTLER	US-400: From 8.3 Miles East of US-400/US-54 Junction, East for 2.5 Miles	El Dorado	Scott	Koopmann	(316) 321-2880	scott@ksdot.org	SHILLING CONSTRUCTION CO INC	04/04/16	10/28/16
S-AR07-0002	KSR 111 807	KA-3105-01	K061	RENO	Bridge #043 (North Fork Ninnescah River) on K-61 in Reno County, located 1.678 miles northeast of the K-61/K-11 junction(old west junction of K-61/K-14)	El Dorado	Scott	Koopmann	(316) 321-2880	scott@ksdot.org		07/05/16	12/30/16
S-AR08-0007	KSR 111 384	KA-2098-01	U160	HARPER	US-160: 3 Bridges east of the county line and 3 Bridges west of the south junction US-160/K-2.	Winfield	Brent	Terstriep	(620) 663-3361	terstriep@ksdot.org	KING CONSTRUCTION COMPANY, INC.	02/15/16	12/22/17
S-WA17-0037	KSR 110 415	KA-2095-01	U077	COWLEY	Bridge #010 in Cowley County on US-77 Located 0.74 Miles North of US-160	Winfield	Brent	Terstriep	(620) 663-3361	terstriep@ksdot.org	DONDLINGER & SONS CONSTRUCTION CO INC	01/20/15	04/15/16
S-AR32-0008	KSR 111 535	KA-2051-01	U056	BARTON	Bridge #005, 6 Miles East of US-56/K-156 Junction and the City of Ellinwood	Great Bend	Scott	Mullen	(620) 672-7494	smullen@ksdot.org		06/20/16	10/27/17
S-AR94-1277	KSR 111 534	KA-3109-01	I235	SEDWICK	I-235: 5 Bridges in City of Wichita, between Zoo Blvd and K-96	Wichita	Don	Snyder	(620) 663-3361	dsnyder@ksdot.org	DONDLINGER & SONS CONSTRUCTION CO INC	04/04/16	12/15/17
S-LA09-0009	KSR 109 474	KHP TROOP F HQ	SEDGWICK	Proposed Tigua St. (1340 ft West of intersection of K254 and Rock Rd)	Wichita	Don	Snyder	(620) 663-3361	dsnyder@ksdot.org	N/A - KDOT Maintenance Project	06/15/13	04/28/14	
S-AR94-1080	KSR 109 647	KA-0733-01	I135	SEDWICK	From the Junction of I-135/K-96 (37th Street North), North to north city limits of Park City	Wichita	Don	Snyder	(620) 663-3361	dsnyder@ksdot.org	CORNEJO & SONS LLC	06/23/14	09/25/15
S-AR43-0035	KSR 109 679	KA-3074-01	U081	SEDWICK	Sedgwick Co.: US-81 and 79th Street	Wichita	Don	Snyder	(620) 663-3361	dsnyder@ksdot.org	APAC KANSAS INC SHEARS DIVISION	04/04/16	01/20/17
S-AR94-1242	KSR 111 198	KA-0161-04	I235	SEDWICK	I-235 and the interchanges at I-235/US-54(Kellogg)	Wichita	Don	Snyder	(620) 663-3361	dsnyder@ksdot.org	DONDLINGER & SONS CONSTRUCTION CO INC	11/10/15	12/21/18
S-CI14-0012	KSR 110 797	KA-2217-01	U056	GRAY	US-56: From West City Limits of Montezuma, East to East City Limits of Montezuma	Ulysses	Chuck	Oldaker	(620) 356-1531	oldaker@ksdot.org	KOSS CONSTRUCTION CO	05/26/15	08/26/16
S-CI03-0004	KSR 110 790	KA-2218-01	U056	GRAY	US-56: From West City Limits of Copeland, East to East City Limits of Copeland	Ulysses	Chuck	Oldaker	(620) 356-1531	oldaker@ksdot.org		07/05/16	05/19/17

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Kansas Permit	Fed Permit	Project Number /Name	Route	County Name	Description	Office Location	Designated Area or Metro Engineer				Responsible Contractor	Construction Activites	
							First	Last	Phone	email		Start Date	Completion Date
S-UA12-0006	KSR 110 788	KA-2216-01	U056	GRAY	From West City Limits of Ensign, East to East City Limits of Ensign	Ulysses	Chuck	Oldaker	(620) 356-1531	oldaker@ksdot.org	KOSS CONSTRUCTION CO	05/26/15	08/26/16
S-CI10-0045	KSR 111 414	KA-2385-02	U054	SEWARD	US-54: From 0.5 miles southwest of US-54/County Rd O intersection, northeast to 0.11 miles southwest of US-54/R Park Rd intersection.	Ulysses	Chuck	Oldaker	(620) 356-1531	oldaker@ksdot.org	MICHELS CORPORATION	03/14/16	06/30/17
S-CI07-0029	KSR 110 737	KA-2219-01	K051	STEVENS	K-51: West City Limits of Hugoton, East to East City Limits of Hugoton	Ulysses	Chuck	Oldaker	(620) 356-1531	oldaker@ksdot.org		12/05/16	06/09/17
S-CI21-0017	KSR 110 999	KA-1008-07	U083	HASKELL	US-83/US-54 intersection near City of Sublette	Ulysses	Chuck	Oldaker	(620) 356-1531	oldaker@ksdot.org	SMOKY HILL, LLC	03/16/16	12/16/16
S-CI12-0014	KSR 111 620	KA-4011-01	U160	MEADE	US-160: Bridge located approx. 11 miles east of the US-160/US-54 junction	Ulysses	Chuck	Oldaker	(620) 356-1531	oldaker@ksdot.org		05/02/16	12/23/16
S-CI21-0015	KSR 110 982	KA-1008-05	U083	HASKELL	From 1.75 Mile South of US-83/US-160/K-144J Junction, North to 4.5 Miles North of US-83-US-160/K-144 Junction	Ulysses	Chuck	Oldaker	(620) 356-1531	oldaker@ksdot.org	VENTURE CORPORATION	03/16/16	12/22/17
S-UA21-0011	KSR 107 772	KA-0044-01	K156	HODGEMAN	Pawnee River Drainage Bridge (001): 2.89 Miles East of Finney/Hodgeman County Line	Dodge City	Dale	Luedke	(620) 227-6122	dalel@ksdot.org	L & M CONTRACTORS INC	08/06/13	11/21/14
S-CI01-0010	KSR 110 741	KA-0004-01	U160	CLARK	US-160 from 0.5 miles west of the US-160/US-183/K-34 junction to 0.75 miles east of the US-160/US-183/K-34 junction, 6 miles East of Ashland . Bridge #023 (Crooked Creek Drainage) on K-23 in Meade County, located 0.75 miles north of the US-54/K-23 junction	Dodge City	Dale	Luedke	(620) 227-6122	dalel@ksdot.org	APAC KANSAS INC SHEARS DIVISION	07/13/15	05/06/16
S-CI12-0013	KSR 111 209	KA-3111-01	K023	MEADE		Dodge City	Dale	Luedke	(620) 227-6122	dalel@ksdot.org	KLAVER CONSTRUCTION COMPANY INC	05/02/16	12/18/16

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Kansas Permit	Fed Permit	Project Number /Name	Route	County Name	Description	Office Location	First	Last	Phone	email	Responsible Contractor	Start Date	Completion Date
S-KS15-0009	KSR 111 619	KA-3077-01	U159	ATCHISON	US-159: 4.8 miles west of the east junction of US-159/K-9 (Little Stranger Creek) Bridge #099 (Blue River) on US-69 in Johnson County, located 0.52 miles north of the Johnson/Miami county line.	Horton	Leroy	Koehn	(785) 486-2142	koehn@ksdot.org	EBERT CONSTRUCTION COMPANY INC & SUBSIDIARY	05/11/16	12/16/16
S-KS68-0312	KSR 111 444	KA-3084-01	U069	JOHNSON	I-435: From 0.5 miles east of the I-435/Olivira Rd. junction, east to the I-435 bridges over Metcalf Ave. Pavement replacement.	Olathe	Joshua	Welge	(913) 764-4525	joshua@ksdot.org	PYRAMID CONTRACTORS INC	04/18/16	12/16/16
S-KS55-0316	KSR 112 140	KA-3993-01	I435	JOHNSON	Concrete pavement replacement on I-35 only. This project will include the repair of bridges #315 thru #319.	Olathe	Joshua	Welge	(913) 764-4525	joshua@ksdot.org		03/06/17	12/16/16
S-KS52-0386	KSR 110 573	KA-3560-01	I035	JOHNSON	I-70 and K-7 Interchange	Bonner Springs	Leroy	Koehn	(913) 721-2754	koehn@ksdot.org	IDEKER INC	03/16/15	09/07/16
S-KS06-0048	KSR 108 435	KA-1003-08	I070	WYANDOTTE	Bridge #043 in Shawnee County on I-70 located 0.13 Miles East of Carnahan Avenue/Deer Creek Trafficway Interchange.	Topeka	Steve	Baalm	(785) 296-3986	steveb@ksdot.org	BETTIS ASPHALT & CONSTRUCTION INC	04/13/15	11/18/16
S-KS72-0465	KSR 110 722	KA-2107-01	I070	SHAWNEE	3775 E 25th St in Lawrence	Topeka	Steve	Baalm	(785) 296-3986	steveb@ksdot.org	N/A - KDOT Maintenance Project	07/06/15	10/14/16
S-KS31-0342	KSR 111 028	Lawrence Subarea Office		DOUGLAS	K-4 and 46th Street	Topeka	Steve	Baalm	(785) 296-3986	steveb@ksdot.org	HAMM INC	03/28/16	11/01/16
S-KS58-0010	KSR 110 789	KA-3145-01	K004	JEFFERSON	US-50: From the existing Passing Lanes east of the Chase/Lyon County Line, east for 0.8 miles in Lyon County and west for 0.5 miles in Chase County	Topeka	Steve	Baalm	(785) 296-3986	steveb@ksdot.org	KOSS CONSTRUCTION CO	05/04/15	02/18/16
S-NE24-0068	KSR 110 798	KA-1827-10	U050	MULTIPLE	US-50: From 1.3 Miles East of US-50/K-177 Junction (East end on 4-Lane section in City of Strong City), East for 2.0 Miles. K-10 (South Lawrence Trafficway)/Bob Billings Pkwy on West Side of Lawrence	Topeka	Steve	Baalm	(785) 296-3986	steveb@ksdot.org	BETTIS ASPHALT & CONSTRUCTION INC	04/04/16	06/02/17
S-NE63-0011	KSR 110 791	KA-1827-08	U050	CHASE	US-24, from Countryside Road, East to Existing 4-Lane	Topeka	Steve	Baalm	(785) 296-3986	steveb@ksdot.org	HAMM INC	07/29/14	05/06/16
S-KS31-0277	KSR 109 572	KA-1826-01	K010	DOUGLAS	K-10 Connection, from South Jct US-59/K-10 East to K-10	Topeka	Steve	Baalm	(785) 296-3986	steveb@ksdot.org	EMERY SAPP & SONS INC AND SUBSIDIARY	11/11/13	11/20/16
S-KS72-0385	KSR 108 786	K-7431-01	U024	SHAWNEE	US-50: From 3.3 Miles East of US-50/RS-856 Junction, East for 1.4 Miles	Topeka	Steve	Baalm	(785) 296-3986	steveb@ksdot.org	BETTIS ASPHALT & CONSTRUCTION INC	03/07/16	06/05/17
S-KS38-0267	KSR 110 795	KA-2105-01	K018	RILEY	Bridge #034 in Riley County on K-18 Located 4.59 Miles East of South Junction K-177 (Kansas River Drainage)	Wamego	Mark	Karolevitz	(785) 456-2353	vitz@ksdot.org	KING CONSTRUCTION COMPANY, INC.	09/14/15	05/23/16
S-KS01-0016	KSR 111 385	KA-2111-01	K099	WABAUNSEE	Bridge #056 on K-99 in Wabaunsee County Located 4.91 Miles South of I-70	Wamego	Mark	Karolevitz	(785) 456-2353	vitz@ksdot.org	EBERT CONSTRUCTION COMPANY INC & SUBSIDIARY	02/29/16	12/16/16
S-BB22-0005	KSR 110 416	KA-2101-01	K009	MARSHALL	Bridge #021 in Marshall County on K-9 Located 2.30 Miles East of Washington County Line (Coon Creek)	Wamego	Mark	Karolevitz	(785) 456-2353	vitz@ksdot.org		03/06/17	12/15/17
S-KS34-0248	KSR 109 025	KA-1002-04	I435	JOHNSON	I-435 from 87th Street E to Plumm Road, I-35 & K-10	Olathe - Gateway	Paul	Gripka	(913) 764-4525	gripka@ksdot.org	GATEWAY INTERCHANGE CONTRACTORS JOINT VENTURE	06/04/14	07/17/17
S-SH45-0062	KSR 110 503	KA-3985-01	I070	GEARY	Rest areas, eastbound and westbound, at State Milepost 294 on I-70 in Geary County	Clay Center	Dale	Hershberger	(785) 632-3108	daleh@ksdot.org	LEAVENWORTH EXCAVATING & EQUIPMENT COMPANY INC AND AFFILIATE	01/20/15	03/24/15
S-KS97-0153	KSR 110 792	KA-2367-02	U077	GEARY	Junction of US-77/Old US-40, south of I-70, North to a point on US-77, 0.33 miles north of I-70. This project will include the Rucker Road intersection, 3.2 miles north of I-70 and US-77 climbing lane, 4 miles north of I-70	Clay Center	Dale	Hershberger	(785) 632-3108	daleh@ksdot.org	HAMM INC	06/29/15	05/17/17
S-LR05-0015	KSR 110 920	KA-3085-01	K015	CLAY	Bridge #018 (Republican River Drainage) on K-15 in Clay County, located 8.09 miles north of the K-15/K-82 junction	Clay Center	Dale	Hershberger	(785) 632-3108	daleh@ksdot.org	KING CONSTRUCTION COMPANY, INC.	10/29/15	12/16/16
S-SH45-0064	KSR 111 026	KA-2367-03	U077	GEARY	K-18/Spring Valley Road intersection and US-77 from just north of US-77/Lacy Drive/Goldenbelt Blvd., North to just north of McFarland Road.	Clay Center	Dale	Hershberger	(785) 632-3108	daleh@ksdot.org	EBERT CONSTRUCTION COMPANY INC & SUBSIDIARY	08/31/15	12/02/16
S-SA11-0003	KSR 107 490	K-6779-02	I070	SALINE	0.5 Mile West of RS 1050, East to SA/DK County Line	Clay Center	Dale	Hershberger	(785) 632-3108	daleh@ksdot.org	BRIDGES INC	09/09/11	11/08/12
S-KS97-0159	KSR 111 618	KA-2367-04	U077	GEARY	US-77/K-18 Junction, approximately 2 miles north of I-70	Clay Center	Dale	Hershberger	(785) 632-3108	daleh@ksdot.org	HAMM INC	05/31/16	12/01/17
S-LR03-0014	KSR 110 426	KA-2085-01	U036	REPUBLIC	Bridge #012 in Republic County on US-36 Located 0.22 Miles East of US-81 (Riley Creek)	Mankato	Shad	Lohman	(785) 823-3754	shadl@ksdot.org	SMOKY HILL, LLC	03/09/15	05/01/16
S-LR01-0003	KSR 110 684	KA-2472-01	K148	REPUBLIC	Culvert #516 (Coal Creek) on K-148 in Republic County Located 5.7 Miles East of US-81	Mankato	Shad	Lohman	(785) 823-3754	shadl@ksdot.org	REECE CONSTRUCTION COMPANY INC	03/01/16	12/04/16
S-LR16-0010	KSR 111 383	KA-3088-01	K128	JEWELL	Bridge #035 (Limestone Creek) on K-128 in Jewell County, located 0.78 miles north of the US-36/K-15 junction	Mankato	Shad	Lohman	(785) 823-3754	shadl@ksdot.org	L & M CONTRACTORS INC	05/02/16	02/28/17
S-LR01-0002	KSR 109 557	KA-2086-01	K148	REPUBLIC	Br #36 (W Fork Elk Creek Drainage) & #37 (W Fork Elk Creek) 12.19 & 12.34 Miles NE of US-81	Mankato	Shad	Lohman	(785) 823-3754	shadl@ksdot.org	KING CONSTRUCTION COMPANY, INC.	06/02/14	12/16/15
S-LR16-0008	KSR 110 824	KA-2191-01	U036	JEWELL	4.4 Miles East of East US-36/K-128 Junction, East to 1.6 Miles West of West US-36/K-14 Junction.	Mankato	Shad	Lohman	(785) 823-3754	shadl@ksdot.org	VENTURE CORPORATION	03/26/16	01/27/17

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Kansas Permit	Fed Permit	Project Number /Name	Route	County Name	Description	Office Location	Designated Area or Metro Engineer				Responsible Contractor	Construction Activites	
							First	Last	Phone	email		Start Date	Completion Date
S-LR03-0018	KSR 111 630	KA-3237-01	U081	REPUBLIC	US-81: From 8.5 miles north of the Republic/Cloud County Line, north to 1 mile north of US-36	Mankato	Shad	Lohman	(785) 823-3754	shadl@ksdot.org	PAVERS INC.	04/27/16	12/16/16
S-LR03-0014	KSR 110 426	KA-2334-01	U036	REPUBLIC	From 0.24 Miles East of US-36/US-81 Junction, East to 1.1 Miles East of US-36/US-81 Junction Bridge Number 001 located 0.78 miles east of K-199 (Beaver Creek)	Mankato	Shad	Lohman	(785) 823-3754	shadl@ksdot.org	SMOKY HILL, LLC	03/09/15	05/01/16
S-LR09-0002	KSR 109 798	KA-2084-01	U036	REPUBLIC	Culvert #510, Buffalo Creek Drainage, on K-28 in Jewell County, 5.68 Miles East of K-14	Mankato	Shad	Lohman	(785) 823-3754	shadl@ksdot.org	L & M CONTRACTORS INC	10/20/14	12/15/15
S-LR20-0003	KSR 110 739	KA-2864-01	K028	JEWELL	Culvert #510, Buffalo Creek Drainage, on K-28 in Jewell County, 5.68 Miles East of K-14	Mankato	Shad	Lohman	(785) 823-3754	shadl@ksdot.org	REECE CONSTRUCTION COMPANY INC	07/30/15	10/29/15
S-LA11-0102	KSR 111 386	KA-2192-01	U056	MCPHERSON	US-56: From Eby St. East to the east ramp terminal of the US-56/1-135 interchange	Marion	Joe	Palic	(620) 382-3717	palic@ksdot.org	APAC KANSAS INC SHEARS DIVISION	03/21/16	12/16/16
S-NE16-0012	KSR 112 268	KA-3355-01	K177	CHASE	Culvert #549, Cottonwood River Drainage, on K-177 in Chase County, 12.03 miles north of the Chase/Butler County Line	Marion	Joe	Palic	(620) 382-3717	palic@ksdot.org		01/09/17	01/05/18
S-LA11-0099	KSR 111 245	KA-2366-01	I135	MCPHERSON	Junction of I-135 and Mohawk Road	Marion	Joe	Palic	(620) 382-3717	palic@ksdot.org	EBERT CONSTRUCTION COMPANY INC & SUBSIDIARY	03/09/16	12/09/16
S-NE17-0014	KSR 111244	KA-2473-01	K149	MORRIS	K-149: From 0.6 miles north of the K-149/US-56 junction, north to 0.7 miles south of the K-149/K-4 junction	Marion	Joe	Palic	(620) 382-3717	palic@ksdot.org	REECE CONSTRUCTION COMPANY INC	05/03/16	01/20/17
S-NE45-0012	KSR 110 796	KA-2770-02	U056	MARION	Junction of US-56/US-77/K-150	Marion	Joe	Palic	(620) 382-3717	palic@ksdot.org	CORNEJO & SONS LLC	06/08/15	06/08/16
S-SA06-0003	KSR 109 568	KA-2072-01	K181	MITCHELL	0.90 mi and 0.88 mi N of Mitchell/Lincoln county line (Bacon Creek and Bacon Creek Drainage)	Ellsworth	Karlton	Place	(785) 472-4447	kplace@ksdot.org	REECE CONSTRUCTION COMPANY INC	03/21/16	12/16/16
S-SH19-0003	KSR 111 210	KA-3091-01	K140	ELLSWORTH	Bridges #050 & #051 (West Spring Creek Drainage) on K-140 in Ellsworth County, located 1.97 and 2.1 miles east of the K-140/K-141 junction	Ellsworth	Karlton	Place	(785) 472-4447	kplace@ksdot.org	REECE CONSTRUCTION COMPANY INC	06/06/16	12/16/16
S-SA02-0004	KSR 111 675	KA-3092-01	K140	SALINE	Bridge #121 (West Spring Creek Drainage) on K-140 in Saline County, located 3.46 miles east of the Saline/Ellsworth County Line	Ellsworth	Karlton	Place	(785) 472-4447	kplace@ksdot.org	REECE CONSTRUCTION COMPANY INC	05/02/16	12/05/16
S-SO24-0002	KSR 110 983	KA-3093-01	K009	NORTON	Bridge #044 (North Fork Solomon River Drainage) on K-9 in Norton County, located 11.65 miles east of the Norton/Decatur County Line	Phillipsburg	Harold	Schleicher	(785) 543-2163	harolds@ksdot.org	VENTURE CORPORATION	06/13/16	12/23/16
S-UR17-0016	KSR 110 430	KA-0026-03	U036	DECATUR	Bridge located 7 miles east of US-36/US-83 junction	Atwood	Eric	Oelschlager	(785) 626-3258	erico@ksdot.org	BRIDGES INC	03/02/15	04/22/16
S-UR17-0014	KSR 110 428	KA-0026-01	U036	DECATUR	Bridge located 2 miles east of US-36/US-83 junction	Atwood	Eric	Oelschlager	(785) 626-3258	erico@ksdot.org	BRIDGES INC	03/02/15	04/22/16
S-UR17-0015	KSR 110 429	KA-0026-02	U036	DECATUR	Bridge located 4 miles east of US-36/US-83 junction	Atwood	Eric	Oelschlager	(785) 626-3258	erico@ksdot.org	BRIDGES INC	03/02/15	04/22/16
S-SH35-0010	KSR 110 635	KA-1004-02	K027	WALLACE	K-27: From 7.7 miles north of the Wallace/Greeley county line, north to approx. 2 miles south of West Junction K-27/US-40.	Oakley	Mathew	Withington	(785) 672-3113	matheww@ksdot.org	VENTURE CORPORATION	03/05/15	04/22/16
S-UR08-0001	KSR 111 415	KA-3081-01	U083	THOMAS	Bridge #040 on US-83 in Thomas County located 0.44 miles south of the US-83/US-24 junction	Oakley	Mathew	Withington	(785) 672-3113	matheww@ksdot.org	KLAVER CONSTRUCTION COMPANY INC	05/02/16	12/16/16
S-SH29-0017	KSR 110 644	KA-2108-01	U083	THOMAS	Bridge #039 in Thomas County on US-83 Located 6.61 Miles North of Junction I-70 (South Fork Solomon River)	Oakley	Mathew	Withington	(785) 672-3113	matheww@ksdot.org	KLAVER CONSTRUCTION COMPANY INC	04/20/15	12/17/15
S-SH29-0018	KSR 110 645	KA-2109-01	U083	THOMAS	Bridge #036 in Thomas County on US-83 Located 1.05 Miles North of Logan County Line (South Fork Saline River)	Oakley	Mathew	Withington	(785) 672-3113	matheww@ksdot.org	KLAVER CONSTRUCTION COMPANY INC	04/02/15	12/15/15
S-SH29-0019	KSR 110 646	KA-2110-01	U083	THOMAS	Bridge #037 in Thomas County on US-83 Located 3.56 Miles North of Logan County Line (North Fork Saline River)	Oakley	Mathew	Withington	(785) 672-3113	matheww@ksdot.org	KLAVER CONSTRUCTION COMPANY INC	03/03/15	12/15/15
S-SH11-0007	KSR 112 157	KA-3082-01	K023	GOVE	Bridge #027 & #028 on K-23 in Gove County located 3.78 & 6.64 miles north of 4th St. in the City of Gove	Oakley	Mathew	Withington	(785) 672-3113	matheww@ksdot.org		12/05/16	12/15/17
S-SO20-0025	KSR 110 922	KA-0751-01	U083	SHERIDAN	US-83: County line east to US-83/K-23 junction, Bourbon/Crawford County Line North to 2L4L Section (6.0 Miles North of Crawford/Bourbon County Line)	Oakley	Mathew	Withington	(785) 672-3113	matheww@ksdot.org	VENTURE CORPORATION	02/29/16	11/04/16
S-MC11-0052	KSR 112 269	KA-1553-02	U069	BOURBON	US-400: From the Greenwood/Butler County Line, East for 2.5 Miles	Iola	Darrin	Petrosky	(620) 365-2161	darrin@ksdot.org		03/06/17	12/20/19
S-WA23-0002	KSR 110 742	KA-2375-03	U400	GREENWOOD	US-400: From 5 Miles East of Butler/Greenwood County Line, East for 2.5 Miles	Iola	Darrin	Petrosky	(620) 365-2161	darrin@ksdot.org	BETTIS ASPHALT & CONSTRUCTION INC	05/02/16	12/16/16
S-VE34-0005	KSR 110 736	KA-2375-04	U400	GREENWOOD	US-400: From 5 Miles East of Butler/Greenwood County Line, East for 2.5 Miles	Iola	Darrin	Petrosky	(620) 365-2161	darrin@ksdot.org	BETTIS ASPHALT & CONSTRUCTION INC	05/02/16	12/16/16
		KA-3102-01	I035	FRANKLIN	Bridge #025 (Montana Road over I-35) on I-35 in Franklin County, located 1.29 miles northeast of the I-35/US-59 junction	Garnett	Donna	Schmit	(785) 448-5446	donnas@ksdot.org		03/06/17	12/15/17
S-MC31-0084	KSR 111 226	KA-2097-01	K068	FRANKLIN	K-68: Bridge located 8 1/2 miles east of Osage county line (Marais Des Cygnes River)	Garnett	Donna	Schmit	(785) 448-5446	donnas@ksdot.org	A M COHORN & SON INC	03/21/16	12/18/16
S-MC13-0021	KSR 110 745	KA-2094-01	U059	ANDERSON	Bridge #007 in Anderson County on US-59 Located 3.17 Miles North of North Junction K-31 (Pottawatomie Creek)	Garnett	Donna	Schmit	(785) 448-5446	donnas@ksdot.org	B & B BRIDGE COMPANY LLC	06/01/15	12/02/16
S-VE21-0003	KSR 110 681	KA-2474-01	U166	MONTGOMERY	Culvert #514 (Cotton Creek Drainage) on US-166 in Montgomery County Located 1.02 Miles East of Chautauqua/Montgomery County Line	Independence	Darrin	Petrosky	(620) 365-2161	darrin@ksdot.org	SHILLING CONSTRUCTION CO INC	02/25/16	05/19/16

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Kansas Permit	Fed Permit	Project Number /Name	Route	County Name	Description	Office Location	Designated Area or Metro Engineer				Responsible Contractor	Construction Activites	
							First	Last	Phone	email		Start Date	Completion Date
S-NE15-0016	KSR 112 093	KA-3574-01	U160	CHEROKEE	Bridge #093, Neosho River, located 0.66 miles east of the Cherokee/Labette County Line	Pittsburg	George	Dockery	(620) 231-7560	georged@ksdot.org		11/01/16	12/15/17
S-NE55-0045	KSR 110 502	KA-3261-01	U059	LABETTE	West junction of US-59/US-160, north to the City of Parsons	Pittsburg	George	Dockery	(620) 231-7560	georged@ksdot.org	SHILLING CONSTRUCTION CO INC	09/14/15	09/23/16
S-NE55-0047	KSR 110 682	KA-0741-01	U400	LABETTE	US-400: Approx. 1/2 mile west of the county line (near Straus) east to county line	Pittsburg	George	Dockery	(620) 231-7560	georged@ksdot.org	APAC KANSAS INC SHEARS DIVISION	01/13/16	12/16/16
S-NE47-0001	KSR 110 683	KA-0740-01	U400	CHEROKEE	US-400: From Labette/Cherokee County Line, East to Jct US-400/K-7	Pittsburg	George	Dockery	(620) 231-7560	georged@ksdot.org	APAC KANSAS INC SHEARS DIVISION	08/06/15	12/16/16
S-NE11-0035	KSR 111 681	KA-1613-01	K039	NEOSHO	Br. #025 (5.46 Miles East) & #026 (6.92 Miles East) of South Junction US-169.	Pittsburg	George	Dockery	(620) 231-7560	georged@ksdot.org	B & B BRIDGE COMPANY LLC	07/06/16	12/16/17
S-NE55-0049	KSR 110 755	KA-2375-09	U400	LABETTE	US-400: From 5 Miles Southeast of US-400/US-59 Junction, East for 2 Miles	Pittsburg	George	Dockery	(620) 231-7560	georged@ksdot.org	SHILLING CONSTRUCTION CO INC	02/29/16	10/14/16
S-NE15-0015	KSR 111 617	KA-1586-01	K007	CHEROKEE	From K-7/US-160 Junction (Columbus), North to CK/CR County Line	Pittsburg	George	Dockery	(620) 231-7560	georged@ksdot.org	KOSS CONSTRUCTION CO	06/08/16	04/01/19
S-LA06-0008	KSR 110 825	KA-1827-06	U050	HARVEY	From 0.5 Miles East of US-50/K-89 Junction, East for 0.5 Miles (West end of existing passing lanes).	El Dorado	Scott	Koopmann	(316) 321-2880	scott@ksdot.org	VENTURE CORPORATION	03/25/16	06/30/16
S-WA12-0006	KSR 111 445	KA-3104-01	K196	BUTLER	Bridges #057 (Dry Creek), #059 (Whitewater River) & #060 (Diamond Creek) on K-196 in Butler County, located 5.60, 6.46 and 6.72 miles southeast of the Butler/Harvey County Line	El Dorado	Scott	Koopmann	(316) 321-2880	scott@ksdot.org	KING CONSTRUCTION COMPANY, INC.	02/27/17	11/18/17
S-WA03-0042	KSR 109 939	KA-2212-01	U054	BUTLER	US-54: East city limits of Andover east to west city limits of Augusta	El Dorado	Scott	Koopmann	(316) 321-2880	scott@ksdot.org	APAC KANSAS INC SHEARS DIVISION	09/22/14	02/22/16
S-LA13-0094	KSR 110 921	KA-1827-07	U050	HARVEY	US-50: From 1.3 Miles East of US-50/RS-304 Junction, East for 1.2 Miles	El Dorado	Scott	Koopmann	(316) 321-2880	scott@ksdot.org	VENTURE CORPORATION	01/19/16	06/30/16
S-WA23-0003	KSR 110 744	KA-2375-02	U400	BUTLER	US-400: From 8.3 Miles East of US-400/US-54 Junction, East for 2.5 Miles	El Dorado	Scott	Koopmann	(316) 321-2880	scott@ksdot.org	SHILLING CONSTRUCTION CO INC	05/11/16	12/09/16
S-LA02-0006	KSR 110 793	KA-1827-04	U050	HARVEY	US-50: From the existing 4-Lane Section in the City of Burton, East for 1.3 Miles	El Dorado	Scott	Koopmann	(316) 321-2880	scott@ksdot.org	APAC KANSAS INC SHEARS DIVISION	02/15/16	09/23/16
S-AR07-0002	KSR 111 807	KA-3105-01	K061	RENO	Bridge #043 (North Fork Niinnescah River) on K-61 in Reno County, located 1.678 miles northeast of the K-61/K-11 junction (old west junction of K-61/K-14)	El Dorado	Scott	Koopmann	(316) 321-2880	scott@ksdot.org	BRIDGES INC	03/06/17	12/30/17
S-AR49-0150	KSR 110 794	KA-1827-02	U050	RENO	US-50: From 0.2 miles east of the US-50/RS-306/RS-1809 Junction, east for 1.25 Miles	El Dorado	Scott	Koopmann	(316) 321-2880	scott@ksdot.org	APAC KANSAS INC SHEARS DIVISION	03/23/16	09/30/16
S-LA02-0005	KSR 110 679	KA-1827-03	U050	HARVEY	US-50: From 0.3 miles east of the Reno/Harvey County Line, East for 1.1 Miles to the existing 4-Lane section in the City of Burton	El Dorado	Scott	Koopmann	(316) 321-2880	scott@ksdot.org	APAC KANSAS INC SHEARS DIVISION	02/24/16	09/23/16
S-AR17-0007	KSR 112 042	KA-3886-01	K049	SUMNER	K-49: Bridge #096 (Chikaskia River Drainage) Located 6.11 Miles North of US-81	Winfield	Andrew	Wilson	(620) 221-3376	awilson@ksdot.org		11/07/16	12/15/17
S-AR08-0007	KSR 111 384	KA-2098-01	U160	HARPER	US-160: 3 Bridges east of the county line and 3 Bridges west of the south junction US-160/K-2.	Winfield	Andrew	Wilson	(620) 221-3376	awilson@ksdot.org	KING CONSTRUCTION COMPANY, INC.	02/15/16	12/22/17
S-AR32-0008	KSR 111 535	KA-2051-01	U056	BARTON	Bridge #005, 6 Miles East of US-56/K-156 Junction and the City of Ellinwood	Great Bend	Scott	Mullen	(620) 672-7494	smullen@ksdot.org	SMOKY HILL, LLC	08/15/16	10/27/17
S-AR94-1242	KSR 111 198	KA-0161-04	I235	SEDGWICK	I-235 and the interchanges at I-235/US-54(Kellogg)	Wichita	Don	Snyder	(316) 744-1271	dsnyder@ksdot.org	DONDLINGER & SONS CONSTRUCTION CO INC	11/10/15	12/21/18
S-AR94-1277	KSR 111 534	KA-3109-01	I235	SEDGWICK	I-235: 5 Bridges in City of Wichita, between Zoo Blvd and K-96	Wichita	Don	Snyder	(316) 744-1271	dsnyder@ksdot.org	DONDLINGER & SONS CONSTRUCTION CO INC	03/14/16	12/15/17
S-UA14-0112	KSR 112 220	KA-1008-06	U083	FINNEY	US-83: From the Haskell/Finney County Line, north for 2.5 miles	Syracuse	Gary	Bennett	(620) 384-7822	geraldb@ksdot.org		02/06/17	11/30/18
S-CI12-0014	KSR 111 620	KA-4011-01	U160	MEADE	US-160: Bridge located approx. 11 miles east of the US-160/US-54 junction	Ulysses	Chuck	Oldaker	(620) 356-1531	oldaker@ksdot.org	L & M CONTRACTORS INC	10/10/16	03/24/17
S-CI03-0004	KSR 110 790	KA-2218-01	U056	GRAY	US-56: From West City Limits of Copeland, East to East City Limits of Copeland	Ulysses	Chuck	Oldaker	(620) 356-1531	oldaker@ksdot.org	SMOKY HILL, LLC	07/20/16	05/19/17
S-CI21-0017	KSR 110 999	KA-1008-07	U083	HASKELL	US-83/US-56 intersection near City of Sublette	Ulysses	Chuck	Oldaker	(620) 356-1531	oldaker@ksdot.org	SMOKY HILL, LLC	04/04/16	10/14/16
S-CI21-0015	KSR 110 982	KA-1008-05	U083	HASKELL	From 1.75 Mile South of US-83/US-160/K-144 Junction, North to 4.5 Miles North of US-83/US-160/K-144 Junction	Ulysses	Chuck	Oldaker	(620) 356-1531	oldaker@ksdot.org	VENTURE CORPORATION	04/04/16	12/22/17
S-CI07-0029	KSR 110 737	KA-2219-01	K051	STEVENS	K-51: West City Limits of Hugoton, East to East City Limits of Hugoton	Ulysses	Chuck	Oldaker	(620) 356-1531	oldaker@ksdot.org		12/05/16	06/09/17
S-CI21-0029	KSR 112 239	KA-1008-03	U083	HASKELL	US-83 from 4.5 mile North Junction US-83/US-160/K-144, North Haskell/Finney County Line.	Ulysses	Chuck	Oldaker	(620) 356-1531	oldaker@ksdot.org		02/01/17	11/16/18
S-CI10-0045	KSR 111 414	KA-2385-02	U054	SEWARD	US-54: From 0.5 miles southwest of US-54/County Rd O intersection, northeast to 0.11 miles southwest of US-54/R Park Rd intersection.	Ulysses	Chuck	Oldaker	(620) 356-1531	oldaker@ksdot.org	MICHELS CORPORATION	03/14/16	06/30/17
S-CI01-0010	KSR 110 741	KA-0004-01	U160	CLARK	US-160 from 0.5 miles west of the US-160/US-183/K-34 junction to 0.75 miles east of the US-160/US-183/K-34 junction, 6 miles East of Ashland .	Dodge City	Dale	Luedke	(620) 227-6122	dalel@ksdot.org	APAC KANSAS INC SHEARS DIVISION	07/13/15	10/25/16
S-CI12-0013	KSR 111 209	KA-3111-01	K023	MEADE	Bridge #023 (Crooked Creek Drainage) on K-23 in Meade County, located 0.75 miles north of the US-54/K-23 junction	Dodge City	Dale	Luedke	(620) 227-6122	dalel@ksdot.org	KLAVER CONSTRUCTION COMPANY INC	05/02/16	12/18/16

APPENDIX B

Quarterly Stormwater Bulletins



STORMWATER UPDATE

In This Issue

- ❖ Documentation of Open Areas
- ❖ Training
- ❖ Specifications
- ❖ KDOT Vision

EIT / EMT Training Upcoming Dates

KSU Salina CIT Program

<http://citksu.com>

March 21-22

March 23-24

May 9-10

May 11-12

June 13-14

June 15-16

Kansas Contractors Association

<http://www.kansascontractors.org/>

March 8-9

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All completed inspection reports must be submitted to the responsible Area Engineer and the contractor's WPCM within 24 hours of each inspection. The Area Engineer must sign within 3 calendar days and submit to stormwaterinspection@ksdot.org.

Failure to complete and submit inspection reports on time **will** result in penalties

Documentation of Open Areas

By Kevin Palic, PE

One of my top corrective actions from oversight inspections is to stabilize an inactive area. When reviewing a project, if there is no equipment in the vicinity, I document it as inactive and needing seeded and stabilized.

When performing a project inspection, if there is no equipment in the area or on the dirt spread, the area is inactive and should be documented as needing seeded and stabilized. Failing to do so is one of the most common errors when completing an inspection. According to the KDHE permit, “stabilization of disturbed areas must, at a minimum, be initiated immediately whenever any clearing, grading, excavating, or other soil disturbing activities have permanently ceased on any portion of the site, or temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days.” The inspection should document the condition of the project that day, not what it may be a few days from now. As a project inspector, according to the schedule, you may know that the contractor intends to return the next week but you cannot be sure. During the inspection, the 14 days should not be taken into account.

An example is a year like this in some areas across the state that received more than normal rain. When performing the inspection, this area is open but it is not documented as open because the contractor is scheduled to be in there in two days. Then the rains start and work is unable to be done and the schedule has changed. Because this area is wet, the contractor decides to move to another spread that is dry. There is the inspection after the rain event, and then another routine two weeks later. The area is still open and inactive at the time of the routine inspection and has not been documented on any of the previous inspections. This is this is a violation because the area has been open for more than 14 days. This situation is all too common.

While performing inspections, if there is no equipment on the spread, document it as inactive and requiring corrective action to either stabilize or resume work. If work begins back in that area, great! All that is required is to document that work resumed. If work does not resume then stabilization is required. Of course, if the area is finish graded then the option to resume work does not apply and the area must be stabilized.

Training

Make sure you review your EIT and EMT certifications and sign up to maintain these necessary certifications. Registration for the K-State CIT classes is now open on the program website (<http://citksu.com>).

The Kansas Contractors Association is also sponsoring classes. The next class is scheduled for March 8-9, 2016. For information regarding enrollment contact the KCA at 785-266-4152.

Any of these classes may be cancelled if the enrollment minimums are not met. Signing up early helps make sure that classes are scheduled to meet the demand. If the classes are full please put your name on the waiting list. There are often cancellations that allow us to fill spots from the waiting list and it also helps us determine how many more classes may be required.



Specifications

New special provisions will be implemented with the April, 2016 letting. The two specifications, 15-PS0360-R01 and 15-9002-R01 add new, clarifying language regarding current KDOT stabilization requirements. This language is intended to provide our inspectors and contractors with better guidance during construction. The following text is now included in both specifications:

Stabilization is initiated when physical work on the project to install stabilizing BMPs has begun. “Immediately” in the context of the above provisions has been defined by the EPA to mean “as soon as practicable, but no later than the end of the next work day, following the day when the earth-disturbing activities have temporarily or permanently ceased.” Prosecute stabilization work continuously and diligently until completed.

It is very important to carefully review the special provisions for each project you are working on. The pace of revision has slowed down, but there are still a number of versions in use across the state. Please contact the Stormwater Compliance Engineer with any questions or concerns.

KDOT Vision

I recently had the good fortune to attend the annual International Erosion Control Association (IECA) conference in San Antonio, Texas. This week-long event is widely attended by industry professionals from North and South America. The conference includes a wide selection of educational presentations, a giant expo showroom of product and equipment displays and numerous opportunities to network with scientists, contractors, product manufacturers and government agency personnel.

One of my many takeaways from this conference is that we here at KDOT are doing good work with our stormwater compliance program, but we need to keep working towards the goal of doing great work. This means we should be starting to find ways to go above and beyond the bare minimums of compliance and find new and innovative approaches to our projects that not only meet the expectations of the regulators but actually improve our ability to provide one of the best state transportation systems in the nation.

A recurring theme at the conference was the concept of the “triple bottom line.” This framework encourages organizations to consider not just economics, but also social and environmental performance measures. This three-pronged system gives us multiple avenues to measure success. I believe that this fits very well with our mission as a public transportation agency. In order to successfully provide the outstanding social benefits of our highway system we must also be successful at managing our financial resources and be good stewards of our environment.

Over the next year we will be taking a hard look at many of our specifications and processes and looking for ways to improve. One of my objectives is to help us find better, more cost-effective solutions to managing stormwater on our construction projects. As always, your comments and suggestions are welcomed and highly valued. KDOT’s vision statement, “the best in everything we do,” can only be delivered with the full engagement and participation of all of our KDOT staff, contractors and other partners.



Stormwater Update Online

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Contact Jason Van Nice (jasonv@ksdot.org) with questions, comments or suggestions for future content.

STORMWATER UPDATE

In This Issue

- ❖ Ditch Check 101
- ❖ Specs and Standards
- ❖ Annual Report

EIT / EMT Training Upcoming Dates

KSU Salina CIT Program

<http://citksu.com>

June 15-16

Kansas Contractors Association

<http://www.kansascontractors.org/>

No classes scheduled

WPCMs are required to have completed both the EIT and the EMT courses within the 12 months prior to beginning work on a project or being designated as WPCM for a project.

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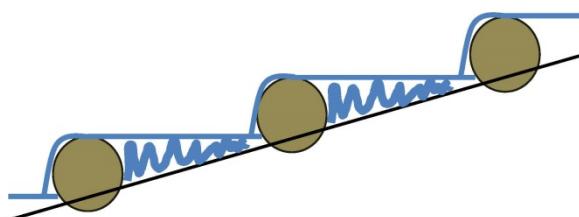
Failure to complete and submit inspection reports on time will result in penalties

Ditch Check 101

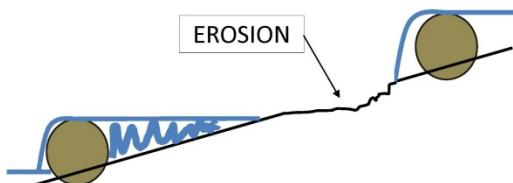
Proper construction and protection of roadside ditches is a key component to managing erosion on our projects. One approach that is often used for erosion and sediment control is the installation of ditch checks. Ditch checks can be constructed from a variety of materials such as biodegradable logs, silt fence or rock. Regardless of the material chosen they all function in a similar manner.

Ditch checks can provide effective sediment control during construction. Checks function as sediment traps when they pond water, allowing suspended particles to deposit upstream of the check where they can later be cleaned out. Materials such as many biodegradable logs and rock ditch checks also provide for some filtration and dewatering of the impounded water. Rock ditch checks also have an advantage in that they can be constructed to any size. This allows for significant storage volume and the ability to resist high flow rates. Materials which do not provide filtration, such as most common types of silt fence, require that the impounded water evaporate or infiltrate into the ground. This can be problematic, especially when multiple rainfall events occur in close succession.

Ditch checks are also commonly used for erosion control. Ditch checks theoretically reduce erosion by slowing down the water in the channel. Lower velocities reduce the available energy and the erosive potential of the flow. This velocity reduction is achieved when water ponded behind the check discharges into the pond created by the downstream check. As illustrated in the first sketch, the spacing of the checks is key to creating this scenario. Checks which do not discharge into a downstream pond do not effectively reduce the flow velocity and have little effect on observed erosion.



**DITCH CHECKS PROPERLY
SPACED FOR EROSION
CONTROL**



DITCH CHECKS TOO FAR APART

Ditch Check 101

(continued)

Even when ditch checks are properly spaced we can see failures due to undercutting of the check material. Water flowing through small channels under the check is often at a higher velocity than would normally be observed in the unobstructed channel. This can cause rapid erosion under the check and even limit the ability of the check to create the ponding necessary for upstream erosion control. We see this type of failure during our “classroom” demonstrations as well as in the field on our projects.

The ponded water necessary for erosion control can also create problems if the checks do not allow for filtration or dewatering of the area. In most of our ditches the objective is to establish vegetation which can be difficult if drainage is not maintained.

Using ditch checks as sediment control can be an effective strategy to minimize the discharge of eroded material, especially during active construction phases when stabilization is not feasible. Once the grading work is completed, the best strategy as always is to immediately stabilize with the appropriate erosion control BMPs. Temporary seeding and mulching in combination with ditch checks can in some cases be an adequate BMP choice for us, but we need to be aware of the limitations and the importance of correct check spacing and installation. These limitations of ditch checks as erosion control and the frustrations of repeated maintenance and repair often lead us to choose class 2 erosion control blanket as a preferred alternative.



Specs and Standards

We are currently in the process of reviewing and updating the standard drawings related to erosion and sediment control. In particular there will be changes made to the standards for ditch checks and for inlet protection in an effort to improve our standard practices.

While we are working on those updates, another change will be made to combine the mulching (temporary) and mulching (permanent) pay items into a single mulching item. This change has been requested by many of our contractors and field staff as a simplification of the mulching standards.



Annual Report

KDOT's 2015 Annual Report on Stormwater Compliance was published on March 30, 2016. The report details actions taken during the calendar year to improve statewide compliance with the KDHE general permit and the Consent Decree. The report was submitted to the EPA as required by the Consent Decree and is currently available on KDOT's Stormwater website (<http://www.ksdot.org/burconsmain/Connections/swppp.asp>).



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Contact Jason Van Nice (jasonv@ksdot.org) for questions, comments or suggestions for future content.



STORMWATER UPDATE

In This Issue

- ❖ Good Housekeeping
- ❖ FAQ – When to Stop Inspections
- ❖ Training Update

EIT / EMT Training Upcoming Dates

KSU Salina CIT Program

<http://citksu.com>

September 19-20, 2016

September 21-22, 2016

March 27-28, 2017

March 29-30, 2017

May 1-2, 2017

May 3-4, 2017

June 7-8, 2017

Kansas Contractors Association

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No classes scheduled 2017 Dates TBA

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Good Housekeeping

The requirements for stormwater pollution prevention cover a wide range of issues on our construction projects. The primary pollutant of concern is sediment coming from erosion of exposed soil so it is understandable that erosion control get most of our attention. However, to have a compliant SWPPP we must also include BMPs to address the “other pollutants” related to construction sites.

Part 7.2.9 of the KDHE General Permit addresses “Additional Site Management BMPs.” Permittees are required to include practices which address equipment washing, material storage and waste management. What the permit does not provide is significant guidance as to what these BMPs might actually consist of. We, as SWPPP developers, stormwater managers or site inspectors must determine what is the appropriate BMP selection for our particular site and the particular operations necessary for the completion of our project.

In the area of waste management, for example, a common BMP is the placement of a covered dumpster on the project site. This is certainly a good practice and is strongly recommended on many projects it is not necessarily appropriate on every project or even for the entire duration of a particular project. Much of our construction work generates small volumes of trash that can be effectively managed by simply bagging it up and hauling it offsite.

The requirement to store construction materials away from drainage courses and low areas is also requires careful, site-specific consideration. Storage locations should be identified in the SWPPP. This requires taking into account what materials are required, anticipated storage time and how they will be accessed for both delivery and use in the project. Storage locations may need to be adjusted in the field but clear guidance should be given in order to avoid exposing potential pollutants to excess stormwater runoff.

One BMP that, in my opinion, should **always** be included is basic training of the project staff. Having 100 covered dumpsters on site or a trash bag in every piece of equipment serves no purpose if the workers are not informed. Every person working on a project, whether KDOT, Contractor, consultant or LPA has a role in maintaining permit compliance. Making sure everyone understands their role and their responsibilities should be an objective for every project manager.



FAQ – When to Stop Inspections

As we approach the end of the construction season many of our projects are beginning to wrap up. Some of you have been asking question about ceasing inspections and WPCM duties. The WPCM requirements come from the Consent Decree and are incorporated into the specifications. The current special provisions 15-PS0360-R1 and 15-9002-R1 both include the following:

Designate a Water Pollution Control Manager (WPCM) who shall visit the project during normal work hours on a frequent basis and at least once per week until all physical work is complete and the Engineer issues the Notice of Acceptance or a partial Notice of Acceptance. The required 180 day observation period for pavement markings is not considered to be physical work.

Both special provisions also include similar language requiring the contractor to participate in routine and post-event site inspections:

KDOT's Inspector and the Contractor's Environmental Inspector shall perform a joint inspection of the temporary erosion and pollution control devices every 14 days during normal work hours and within 24 hours of a rainfall event of ½ inch or more. Continue inspections at this frequency until all physical work is complete and the Engineer issues the Notice of Acceptance or a partial Notice of Acceptance. The required 180 day observation period for pavement markings is not considered to be physical work.

Note that there are two conditions which must be met in order to terminate the Contractor's responsibility to provide a WPCM and to participate in the joint inspections. First the Contractor must have completed all "physical work" on the project. "Physical work" includes major items like grading or paving as well as other items such as placing pavement marking, installing signs or permanent seeding. The required 180 day observation period for acceptance of pavement marking is not considered to be physical work on the project. The second requirement is that the Contractor be given Notice of Acceptance (or partial Notice of Acceptance.) If both requirements are not met then the Contractor is required to continue with both the inspection and the WPCM requirements.

Once the Contractor has been released the inspection and maintenance of the project remains the responsibility of the owner (KDOT or LPA depending on the project). This responsibility extends until submittal to KDHE of the Notice of Termination as described in the permit. Terminating permit coverage is allowed once all project work is complete and the disturbed areas have been permanently stabilized. Areas are considered permanently stabilized once they have been paved, covered with riprap, or vegetated with perennial vegetation at 70% density (relative to undisturbed areas at or near the project site).



Training Update

The classes scheduled for September 19-20 and September 21-22 will be held as planned. There was concern that low enrollment would lead to cancellation of one session but registrations have been sufficient to warrant two classes. These will be the last training opportunities in 2016.

There is still space available in both sessions. Registration is online, visit <http://citksu.com> for details. Registration for the spring classes will open on September 12, 2016.

Everyone should review their recertification dates and enroll in the appropriate classes to ensure the certifications do not lapse.



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Contact Jason Van Nice (jasonv@ksdot.org) for questions, comments or suggestions for future content.



Issue #13
December 1, 2016

Jason Van Nice, P.E.
Stormwater Compliance
Engineer

STORMWATER UPDATE

In This Issue

- ❖ Blanket Approach
- ❖ Standard Drawing Revisions
- ❖ KDHE General Permit
- ❖ Training Update

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Kansas Contractors Association

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February 8-9, 2017

February 28-March 1, 2017

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Blanket Approach

One of the most readily apparent changes in our SWPPPs over the past few years has been a dramatic increase in the usage of erosion control blankets. Blankets have, in many applications, replaced more “traditional” BMPs such as ditch checks and slope barriers for erosion control. Many of us have now seen first hand the benefits of using blankets to stabilize finished slopes and ditches. Use of blankets for vegetation establishment without relying on barrier devices which often pond water improves results and reduces maintenance.

Like any technology, blankets have drawbacks and pitfalls. Blankets can be overwhelmed by high flow rates, or unfavorably dry weather conditions can cause the vegetation to die off. They also have a relatively high cost of installation, requiring significant labor and time for proper placement.

While we cannot control the weather, there are many factors we can control which impact the success or failure of our blanket installations. One such factor is in the selection of the particular blanket to be installed. The KDOT Pre-Qualified List includes erosion control blankets which have been tested and approved for use in various conditions. The class and type of blankets is specified during project design based on specific site characteristics such as degree of slope, soil type and expected flow. Making sure the product used in the field matches the specified material is a very important first step.

Once the appropriate material is on site the next factor we control is the installation. Very often our blanket “failures” can be traced back, at least in part, to improper installation. Excellent blanket installation begins with preparation of the underlying soil. A good seedbed free of clumps and clods is the ideal surface for blanket placement. This should, of course, begin immediately upon completion of the grading work.

Before placing the blanket over the properly prepped and seeded soil the installers and the inspector should review the installation standards and make sure any questions are answered or discrepancies addressed before the product is installed. Particular attention should be paid to the location of anchor trenches, staple checks and the overall staple pattern. As a general rule, the “uphill” edge of all blankets (including the sides of channel linings) should be secured in an anchor trench. “Staple checks” are typically required at 30-foot intervals along the length of each blanket. Additional staples are required over the rest of the blanket to secure it to the surface and maintain intimate contact with the soil. Failure to properly secure the blanket can lead to undercutting, “tenting” of the blanket as the vegetation lifts it off the ground, or physical displacement of the blanket itself.

The commonly used blanket types C, D, E, and F are generally uniform in installation requirements. Heavier blanket types may require special anchors or other procedures and the manufacturer’s guidelines should always be consulted before installation.

Upon completion of blanket installation we should always consider the need for watering the completed work. Water promotes vegetation and can greatly increase the success of our blanket installations.



Standard Drawing Revisions

A number of revisions to erosion control standard drawings have been completed and are planned for implementation in the January, 2017 letting. This update was intended to resolve some inconsistencies in the drawings and also to remove some unused details while providing more focus on structural BMPs that are commonly used on KDOT projects. Among these changes, you will notice the detail for silt fence ditch checks has been removed. The drawings for biodegradable log, filter sock and rock ditch checks have been revised and new details added.

In addition to the standard drawing revisions, changes have been made to the process for estimating initial quantities of SWPPP related items. Items such as filter socks and biodegradable logs should be seen in greater quantities while silt fence quantities should decrease somewhat.

Mulching items have also been modified. The old items for Mulching (Temporary) and Mulching (Permanent) have been eliminated and replaced with a single item, Mulching. This should reduce confusion regarding the separate items and simplify payment tracking for contractors and inspectors. Contracts should include an estimated mulching quantity based on 150% of the total seeding area for the project.

Contractors and inspectors should review their projects carefully for these changes.



Training Update

Classes have been scheduled and enrollment is open for 2017. KDOT CIT classes are available March 27-28, March 29-30, May 1-2, May 3-4 and June 7-8. Registration is online, visit <http://citksu.com> for details.

The Kansas Contractors Association (KCA) also sponsors classes. Their classes will be held February 8-9 and February 28-March 1. Contact the KCA for details and registration.

Everyone should review their recertification dates and enroll in the appropriate classes to ensure the certifications do not lapse. Classes may be canceled due to insufficient enrollment so please register early.



KDHE General Permit Update

KDHE is currently working on revisions to the construction stormwater general permit. The current version of the permit, issued in 2012, will expire March 2017. A draft permit is expected to be published for public review and comment some time within the next few months. More information will be shared as it becomes available.



Stormwater Update Online

This issue and all past issues of this quarterly bulletin are available online at KDOT's Stormwater website:

<http://www.ksdot.org/burconsmain/Connections/swppp.asp>

Contact Jason Van Nice (jason.vannice@ks.gov) for questions, comments or suggestions for future content.

APPENDIX C

Training Certification

Dwight D. Eisenhower State Office Building
700 S.W. Harrison Street
Topeka, KS 66603-3745



Phone: 785-296-3576
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Hearing Impaired - 711
publicinfo@ksdot.org
<http://www.ksdot.org>

Mike King, Secretary
Sandra L. Tommer, P.E., Chief

Sam Brownback, Governor

May 6, 2013

Chief, Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
Box 7611 Ben Franklin Station
Washington, D.C. 20044-7611
Re: DOJ No. 90-5-1-1-10420

Chief, Water Enforcement Branch
Water, Wetlands & Pesticides Division
U.S. EPA, Region 7
11201 Renner Blvd.
Lenexa, Kansas 66219

Kristen Nazar
Assistant Regional Counsel
U.S. EPA, Region 7
11201 Renner Blvd.
Lenexa, KS 66219

Susan Bruce
U.S. EPA
Office for Enforcement and Compliance Assurance
Water Enforcement Division
Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Washington, DC 20460

RE: US v. KDOT Consent Decree
Certification of Compliance

In accordance with paragraph 15 of the Consent Decree, I certify that the Environmental Inspector Training course offered by KDOT's Certified Inspector Training (CIT) program meets the requirements outlined in Appendix C of the Consent Decree. I further certify that the Environmental Manager Training course meets the requirements outlined in Appendices B and D of the Consent Decree.

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.

Sincerely,



Jason Van Nice, P.E.
Stormwater Compliance Engineer

Enclosure

EIT Agenda

Day 1	Session #	Session Title
8:00-8:10	1	Welcome; Purpose of Training
8:10-9:00	2	History and Purpose of Clean Water Act Past issues and violations, construction impacts Why permitting on construction
9:00-9:45	3	Storm Water Discharge Permit Requirements SWPPP requirements, Implementation during construction Stabilization, Perimeter Control,
9:45-10:00		Break
10:00-10:30	4	Role of KDOT, Contractor and Agencies (KDHE, EPA, Others) Related to Projects
10:30-11:00	5	Effects of construction projects on water resources, Common permit compliance issues on projects
11:00-11:30	6	Basic principles of Erosion/Sediment Control Soil erodibility, Rainfall/storms Calculating Soil loss, Universal Soil Loss Equation Comparison of Erosion /
11:30-12:00	7	Selection and Implementation of Erosion Control BMPs
12:00-12:45		Lunch
12:45- 1:15	8	Selections and Implementation of Sediment Control BMPs
1:15-1:45	9	KDOT Storm Water Related Plans, Specs and Procedures
1:45-2:15	10	SWPPP Requirements, Management of Non Storm water Sources of Pollution Storage, concrete washout, fuels, dust
2:15-2:30		Break
2:30-3:00	11	Inspection Requirements and Procedures How to inspect a site, records, documentation, and corrective action
3:30-4:00	12	Stormwater Compliance Program Requirements Designation of personnel, preconstruction conference, inspection forms & procedures, third party
4:00-5:00		EIT Test
Day 2		EIT Agenda
8:00-12:00	13	Field Training - Dust control, Track out from site and BMPs, Storage of materials, Portable toilets, Dewatering BMPs, concrete washout, BMP Installation (BioLogs, Silt Fence, EC Blankets, RCD, inlet protection, mulch), BMP maintenance, Fill out inspection forms.

EMT Agenda		
Day 1	Session #	Session Title
12:45-1:30	1	Compliance Strategy as Project is Built
1:30-2:00	2	Audience Prepares SWPPP Site Plan and Strategy
2:00-2:45	3	SWPPP Design and Content; Discussion, examples
2:45-3:00		Break
3:00-3:30	4	SWPPP Implementation - Inspection, maintenance and repair program for BMPs, Corrective Actions, Timely stabilization
3:30-4:00	5	KDOT Expectations and Compliance Requirements (focus on Area/Metro Engineer and WPCM responsibilities)
4:00-5:00	6	EMT Test

Appendix B - Area/Metro Engineer Training

<i>Minimum of 8 hours (classroom). This training module shall contain information on the following:</i>	All KDOT Area/Metro Engineers will complete the Environmental Inspector Training (EIT) and the Environmental Manager Training (EMT). Completion of both programs requires 12 hours of classroom time and a 4 hour field component.
<i>Each training session shall include a written examination intended to ensure the participants knowledge of the subjects covered.</i>	Each certification requires a written examination. All KDOT Area/Metro Engineers will be required to pass the EIT exam and the EMT exam with a score of at least 70% on each one.
<i>Each participant who attends the entire session and receives a passing grade on the written examination shall be issued a certification. That certification shall include the participants name, the date and location of the training and the name of the instructor(s). KDOT shall maintain copies of all such certifications.</i>	Certificates will be issued to the participants for the completion of each training program. KDOT will maintain copies of such certifications.

Appendix B - Area/Metro Engineer Training

	EIT Session #	EMT Session #
<i>History of Clean Water Act and past violations;</i>	2	
<i>Role of KDOT, KDHE, EPA, and Contractor in storm water management for projects in Kansas</i>	4	
<i>How construction projects can potentially negatively affect water quality</i>	1, 5	
<i>Basic principles of erosion, sediment control, and non-storm water/waste management control</i>	6, 10	
<i>KDOT Storm Water related Standard Plans and Specifications and BMP Manual;</i>	9	
<i>Selection and implementation of erosion control, sediment control, and non-storm water management/waste; management control BMPs;</i>	7, 8, 10	
<i>How to review and approve a SWPPP based on KDOT and EPA requirements and guidance manuals; and</i>		1, 2, 3
<i>BMP inspection and maintenance program.</i>		4
<i>Consent Decree Requirements pertaining to KDOT's Stormwater Compliance Program:</i>	4, 9, 12	5
i. <i>Designation of trained personnel, roles and responsibilities (KDOT Stormwater Compliance Manager, Area/Metro Engineer, Environmental Inspectors, Responsible Contractor, Water Pollution Control Manager)</i>	4, 12	5
ii. <i>Pre-construction Conference</i>	9, 12	
iii. <i>Use of Proper Inspection Form and Corrective Action Log</i>	9, 12	
iv. <i>Role of Third Party Inspections</i>	12	5
v. <i>Inspection Procedures required by Consent Decree</i>	12	

Appendix C - Environmental Inspector Training

<i>Minimum of 8 hours (classroom). This training module shall contain information on the following:</i>	All personnel performing site inspections for permit compliance will be required to have completed the Environmental Inspector Training (EIT) program.
<i>Each training session shall include a written examination intended to ensure the participants knowledge of the subjects covered.</i>	The EIT certification requires a written examination. A score of at least 70% on the exam is required to obtain the certification.
<i>Each participant who attends the entire session and receives a passing grade on the written examination shall be issued a certification. That certification shall include the participants name, the date and location of the training and the name of the instructor(s). KDOT shall maintain copies of all such certifications.</i>	Certificates will be issued to the participants for the completion of the training program. KDOT will maintain copies of such certifications.

Appendix C - Environmental Inspector Training

	EIT Session #	EMT Session #
<i>History of Clean Water Act and past violations;</i>	2	
<i>Role of KDOT, KDHE, EPA, and Contractor in storm water management for projects in Kansas</i>	4	
<i>How construction projects can potentially negatively affect water quality</i>	1, 5	
<i>Basic principles of erosion, sediment control, and non-storm water/waste management control</i>	6, 10	
<i>KDOT Storm Water related Standard Plans and Specifications and BMP Manual;</i>	9	
<i>Selection and implementation of erosion control, sediment control, and non-storm water management/waste; management control BMPs;</i>	7, 8, 10	
<i>How to inspect a construction project to ensure BMPs are properly installed and maintained</i>	11, 12, 14	
<i>Consent Decree Requirements pertaining to KDOT's Stormwater Compliance Program:</i>	4, 9, 12	
i. <i>Designation of trained personnel, roles and responsibilities (KDOT Stormwater Compliance Manager, Area/Metro Engineer, Environmental Inspectors, Responsible Contractor, Water Pollution Control Manager)</i>	4, 12	
ii. <i>Pre-construction Conference</i>	9, 12	
iii. <i>Use of Proper Inspection Form and Corrective Action Log</i>	9, 12	
iv. <i>Role of Third Party Inspections</i>	12	
v. <i>Inspection Procedures required by Consent Decree</i>	12	

Appendix D - Contractor Training

<i>Minimum of 16 hours of training (classroom and field). This training module shall contain information on the following:</i>	Construction contract specifications (07-P0360-R3) require contractors to designate a Water Pollution Control Manager who has completed the Environmental Inspector and Environmental Manager Training programs within the 12 months prior to beginning construction. Completion of these two programs requires 12 hours of classroom and 4 hours of field training.
<i>Each training session shall include a written examination intended to ensure the participants knowledge of the subjects covered.</i>	The EIT certification requires a written examination. A score of at least 70% on the exam is required to obtain the certification.
<i>Each participant who attends the entire session and receives a passing grade on the written examination shall be issued a certification. That certification shall include the participants name, the date and location of the training and the name of the instructor(s). The Responsible Contractor shall maintain copies of all such certifications.</i>	Certificates will be issued to the participants for the completion of the training program. KDOT will maintain copies of such certifications. Contractors are required to submit proof of certification when designating a Water Pollution Control Manager. A copy of the certification is also to be maintained with the SWPPP documents for each project.

Appendix D - Contractor Training

	EIT Session #	EMT Session #
<i>History of Clean Water Act and past violations;</i>	2	
<i>Role of KDOT, KDHE, EPA, and Contractor in storm water management for projects in Kansas</i>	4	
<i>How construction projects can potentially negatively affect water quality</i>	1, 5	
<i>Basic principles of erosion, sediment control, and non-storm water/waste management control</i>	6, 10	
<i>KDOT Storm Water related Standard Plans and Specifications and BMP Manual;</i>	9	
<i>Selection and implementation of erosion control, sediment control, and non-storm water management/waste; management control BMPs;</i>	7, 8, 10	
<i>How to prepare a SWPPP for construction projects in Kansas</i>	10	1, 2, 3
<i>Inspection, maintenance, and repair program for storm water BMPs</i>		4
<i>Field demonstration of BMP implementation and installation (minimum of 4 hours for field portion of class)</i>	14	
<i>Consent Decree Requirements pertaining to KDOT's Stormwater Compliance Program:</i>	4, 9, 12	5
i. <i>Designation of trained personnel, roles and responsibilities (KDOT Stormwater Compliance Manager, Area/Metro Engineer, Environmental Inspectors, Responsible Contractor, Water Pollution Control Manager)</i>	4, 12	5
ii. <i>Pre-construction Conference</i>	9, 12	
iii. <i>Use of Proper Inspection Form and Corrective Action Log</i>	9, 12	
iv. <i>Role of Third Party Inspections</i>	12	5

APPENDIX D

Inspection Procedures and Form 247 Instructions

SWPPP Inspection Procedures and Form 247 Instructions

1. Pre-Construction Conference
 - a. A stormwater pollution pre-construction conference shall be held prior to beginning work on each project.
 - b. The Stormwater Compliance Engineer shall be notified of the meeting schedule
 - c. Attendees shall at a minimum include:
 - i. KDOT Area / Metro Engineer
 - ii. Contractor's Water Pollution Control Manager (WPCM)
 - iii. Environmental Inspectors (KDOT and Contractor)
 - iv. Erosion Control subcontractor(s)
 - d. Discussion Items shall include at a minimum:
 - i. Inspection schedule, procedures and contacts
 - ii. Responsibility for installation, inspection and maintenance of devices
 - iii. SWPPP site plan, process for modifying / updating
 - e. Minutes shall be kept and maintained with the project SWPPP documentation
 - f. A copy of the meeting minutes shall be forwarded to the Stormwater Compliance Engineer
2. General Inspection Requirements
 - a. Routine and post-rainfall inspections shall be conducted jointly by Contractor and KDOT.
 - b. Inspection requirements begin upon issuance of the Notice to Proceed.
 - c. The Contractor's responsibility to conduct inspections and maintain or correct identified deficiencies shall continue until all physical work is complete and the Engineer issues the Notice of Acceptance or a partial Notice of Acceptance. The required 180 day observation period for pavement markings is not considered to be physical work.
 - d. Most devices and best management practices (BMPs) cannot be effectively inspected except while on foot. A good inspection will require walking and close examination of devices.
 - e. The approved SWPPP site map shall be used during each inspection. All devices / BMPs shall be in place as shown. Any required devices which are not installed require Corrective Action. The corrective action required shall be documented on form 247H according to the instructions in this document.
 - f. The SWPPP should be modified based on site conditions. Modifications shall be documented on the site maps. A modification log shall also be kept with the project SWPPP documents. Minor adjustments to locations or quantities of BMPs may be made based on agreement between the WPCM and KDOT inspectors. Significant changes related to types of BMPs used or changes in overall erosion and sediment control strategy may require the approval of the Area/Metro Engineer.
 - g. All BMPs in use on the project are to be inspected. Multiple inspectors may be required in order to complete the inspections within the required time frame (e.g. within 24 hours of a 0.5" or greater rainfall event).
 - h. Taking pictures is recommended. Photos are an excellent means of documenting conditions on the project. They can also be used to document pre-existing conditions and to assist with the determination of vegetation density for permit termination.

SWPPP Inspection Procedures and Form 247 Instructions

- i. Rainfall shall be measured in a rain gauge on the project whenever possible. Daily rainfall amounts should be logged and kept on file with the project SWPPP documents.
3. Personnel
 - a. All persons performing inspections shall have a current KDOT Environmental Inspector Training (EIT) certificate.
 - b. Contractor's WPCM and KDOT's Area / Metro Engineer shall have a current KDOT EIT certificate and a current KDOT Environmental Manager Training (EMT) certificate.
 - c. The Contractor's WPCM shall have completed both the EIT and the EMT course within the twelve months prior to the Notice to Proceed. If the WPCM is replaced during the course of a project the replacement shall have completed both the EIT and the EMT course within the twelve months prior to being appointed WPCM.
 - i. The twelve month requirement may be waived for a short-term substitution at the discretion of the Area/Metro Engineer provided that all of the following are met:
 1. The substitute maintains current EIT and EMT certifications during the time of substitution.
 2. The substitution is being made due to a vacation, illness or similar absence.
 3. The original WPCM is scheduled to return to those duties immediately following the absence.
 - d. If, during the course of the project, the designated Area/Metro Engineer is unavailable due to vacation, illness or other reasons, their responsibilities shall be assigned to another Area Engineer, District Construction Engineer or other person of similar authority. The project Inspectors and the WPCM shall be notified of any such change in Area Engineer.
 - e. Area / Metro Engineer Responsibilities:
 - i. Supervise all work necessary to meet stormwater requirements on the project, including work performed by contractors and sub-contractors.
 - ii. Order employees, contractors and sub-contractors to take appropriate action as necessary to comply with stormwater requirements, including requiring any such person to cease or correct a violation of stormwater requirements and to order or recommend such other actions as necessary to meet stormwater requirements.
 - iii. Be familiar with the project SWPPP and have the authority to modify the project SWPPP or approve modifications recommended by others.
 - iv. Review and sign all inspection reports within 3 days after receiving such reports
 - v. Be the point of contact for the project for regulatory officials, KDOT employees, contractors, sub-contractors and consultants regarding stormwater requirements
 - f. WPCM Responsibilities:
 - i. Supervise all work performed by the Contractor and sub-contractors that involves stormwater requirements or affects stormwater compliance.
 - ii. Order Contractor employees and sub-contractors to take appropriate corrective action as necessary to comply with stormwater requirements, including requiring any such person to cease or correct a violation of stormwater requirements and to order or recommend such other actions or sanctions as necessary to meet stormwater requirements.
 - iii. Be familiar with the project SWPPP

SWPPP Inspection Procedures and Form 247 Instructions

- iv. Recommend SWPPP modifications to the Area Engineer
 - v. Be the point of contact for KDOT regarding stormwater compliance
 - vi. Review and sign inspection reports within 3 days after receiving such reports, acknowledging awareness of any deficiencies and ensuring the correction of all deficiencies.
 - vii. Maintain SWPPP documentation and site maps to track installation and removal of BMPs throughout the project and ensure modifications are properly documented
4. Frequency of Inspections
- a. A regularly scheduled routine inspection is required at least every 14 days.
 - b. An additional inspection is required within 24 hours of every rain event of 0.5" or greater. This additional inspection does not affect the 14 day inspection cycle.
 - c. Only one inspection is necessary if the post-rainfall and routine inspections are required on the same day.
 - d. An oversight inspection shall be completed at least once every 60 days during any period where there is active construction at a project and shall be unannounced. If material deficiencies are found, the oversight inspector will conduct a follow-up inspection within 14 days.
 - e. Additional inspections should be completed if needed to ensure compliance with the Permit and project specifications. This may be required due to changes in construction sequence, completion of major project milestones or at other times as determined by the project staff.
5. Submittal of Reports
- a. Inspection reports are to be submitted to the Area / Metro Engineer within 24 hours of the inspection.
 - b. Inspection reports are to be submitted to the Contractor's WPCM within 24 hours of the inspection.
 - c. Inspection reports shall be electronically submitted to stormwaterinspection@ksdot.org within 3 working days of the inspection.
6. Required forms
- a. Only the approved Form 247 and attachments A – H may be used to document each inspection
 - b. Any modification to the form other than adding or deleting blank rows must be approved by the Stormwater Compliance Engineer.
 - c. The Stormwater Inspection Manager (SWIM) system may be used as an alternative reporting method with the approval of the Stormwater Compliance Engineer.
7. Form Instructions
- a. 247 – Cover and certification
 - i. Enter the project number, KDHE permit number, designated Area / Metro Engineer and the contractor's Water Pollution Control Manager. This information may be saved into the form for use on subsequent inspections.
 - ii. Enter the rainfall information as shown. Rain is to be measured on the project if possible. There are two fields for the recording of rainfall data, one for the last

SWPPP Inspection Procedures and Form 247 Instructions

rain greater than 0.5" and one for the last rainfall of any magnitude. Rainfall amounts should also be documented in the project Rainfall Log.

- iii. Enter the inspection type. This will either be "routine," "post-rainfall," "routine/post-rainfall", "oversight," or "other."
 - iv. Enter the inspection date. If this is typed into the form the date will carry forward to all of the attachments.
 - v. The table of contents indicates which form attachments are required and included with the report.
 - vi. The certified environmental inspector(s) shall sign and date the report.
 - vii. The report shall be transmitted to the Area / Metro Engineer within 24 hours of completing the inspection.
 - viii. The report shall be transmitted to the WPCM within 24 hours of completing the inspection.
 - ix. The Area / Metro Engineer shall sign and date the report within three days of receiving the inspection report.
 - x. The Contractor's WPCM shall sign and date the report within three days of receiving the inspection report.
- b. 247A – Overall Site Issues. This form is a general form for each inspection used to identify "big picture" items as well as general housekeeping issues.
- i. Verify the inspection date is correct at the top of the form.
 - ii. Carefully review each of the questions in the numbered items.
 - iii. Describe any deficiencies noted or reference location of details (e.g. "see 247B for details")
 - iv. Item 13 – Verify that the SWPPP site maps are complete and updated.
 - v. Item 14 – Review attachment 247 G (Maintenance Summary) from previous inspection. Document if the required maintenance is or is not complete.
 - vi. Item 15 – Review attachment 247 H (Corrective Actions) from previous inspection. Document if required actions have been completed. Verify that corrective actions are documented in the project Corrective Action Log.
 - vii. The remaining space under Item 16 may be used for any other site-specific issues not otherwise addressed.
- c. 247B – Site Erosion. This form is used to document the inspection of open grading areas throughout the project.
- i. Identify areas disturbed by grading or other construction activities (i.e. structure installation). These can be identified by Station or by numbered reference to SWPP plan sheets.
 - ii. Note the date each area is cleared / grubbed or otherwise disturbed as "Date Area Disturbed."
 - iii. Note the date the grading activity is complete or otherwise inactive as "Date Construction Activity Ceased." If the area is actively being worked this field may be blank. If the activity has ceased temporarily this should be noted under Observations/Remarks along with the date grading is expected to resume
 - iv. Note the date stabilization measures were in place. Stabilization measures could include seeding / mulch, erosion control blankets, aggregate slope protection or

SWPPP Inspection Procedures and Form 247 Instructions

other measures intended to limit soil erosion. Stabilization measure would not typically include sediment control devices such as ditch checks or slope barriers.

- v. The following items should be checked for and documented under Observations / Remarks:

- 1. Presence of rills or gullies on slopes and ditches.
 - 2. Quality / density of vegetation
 - 3. Other visible evidence of erosion (e.g. accumulations of downstream sediment)

- d. 247C – Sediment Control Devices. This form is used to document the inspection of individual sediment control devices such as ditch checks, slope barriers and inlet protection systems. Every device should be closely inspected for condition and functionality.
 - i. Identify each device by Location and by device # from the SWPP plan sheets.
 - ii. Note installation date for each device
 - iii. Note for each device if it is a perimeter control
 - iv. Note type of device (ditch check, slope barrier, inlet protection etc.) and material (silt fence, bio-log, etc.)
 - v. The following items should be checked for and documented:
 - 1. Condition of device – is repair or maintenance required
 - 2. Visible signs of erosion or sediment accumulation downstream of the device
 - 3. Any potential off-site discharge of sediment or other pollutants.
 - vi. If a device requires maintenance this should be indicated in the last column. The required maintenance should also be detailed on 247G. Maintenance could include removal of accumulated sediment, repair or replacement of devices.
 - vii. Corrective action is required if:
 - 1. A required control device was never installed or was installed incorrectly
 - 2. Installed controls are not effective or inadequate for a particular location
 - 3. Modification of the SWPPP is required
 - viii. Corrective action required should be indicated in the last column and detailed on form 247H.
- e. 247D – Stream Crossings. This form is used to document the inspection of temporary stream crossings on the project.
- f. 247E –Construction Entrances. This form is used to document the inspection of construction entrances on the project.
 - i. All construction entrance / exits should be identified.
 - ii. Note location and installation date for each entrance.
 - iii. Note surface type (aggregate, soil, etc. under Observations / Remarks)
 - iv. Any evidence of sediment tracking onto the roadway should be documented.
 - v. Construction entrances should be monitored daily and sediment tracked onto the roadway should be cleaned, at a minimum, at the end of each work day.
- g. 247F – Sediment basins
 - i. Note location and installation date for each basin
 - ii. The condition of the basin should be carefully checked during each inspection.

SWPPP Inspection Procedures and Form 247 Instructions

- iii. Estimate the accumulated sediment volume as a percentage of the total capacity
 - iv. Inspect and document the condition of the basin slopes and outlet
 - v. Check for evidence of water overtopping the basin berm
- h. 247G – Maintenance Summary. This form is a summary of required maintenance recorded on forms 247A – F.
- i. This includes repairs, cleanup or other minor work required to maintain devices or other BMPs in use on the project.
 - ii. Any maintenance required should be recorded on this attachment.
 - iii. Copies of this form should be made and distributed to the individuals responsible for the maintenance work.
 - iv. A copy of this form should be included with the subsequent inspection. The Inspector shall verify that the maintenance items are complete and document the date of completion.
 - v. A copy of the form shall also be kept with the project SWPPP as a maintenance action log.
- i. 247H – Corrective Action Summary.
- i. Corrective Actions shall be required if the inspector determines that
 1. A required control device was never installed or was installed incorrectly
 2. Installed controls not effective or inadequate for a particular location
 3. Modification of the SWPPP is required
 - ii. All required corrective actions should be documented on this attachment
 - iii. Copies shall be made and distributed to the individuals responsible for the required actions
 - iv. A copy of this form should be included with the subsequent inspection. The Inspector shall verify that the actions have been completed and document the date of each action
 - v. A copy of the form shall also be kept with the project SWPPP as a corrective action log.
8. Post-Construction (PC) Inspections
- a. Project site inspections are to be continued at the same frequency following the Notice of Acceptance or Partial Notice of Acceptance to the Contractor.
 - b. Include a copy of the Notice of Acceptance or Partial Notice of Acceptance with the SWPPP documentation
 - c. The “Inspection Type” on the form 247 cover sheet should be noted as “routine,” “post-rainfall,” “routine/post-rainfall”, “oversight,” or “other.” The WPCM field should be left blank. No signature for the Contractor’s Inspector or the WPCM is required
 - d. The Area Engineer is responsible to ensure that any maintenance or corrective actions required are completed within seven days of the inspection
9. Permit Termination
- a. Once the entire project is stabilized with perennial, permanent vegetation the permit may be terminated. Vegetation must have a density of at least 70 percent of the density of undisturbed areas at or near the site. For assistance in making this determination, contact the Stormwater Compliance Engineer or the Environmental Services Section

SWPPP Inspection Procedures and Form 247 Instructions

- b. All remaining temporary sediment control devices shall be removed from the project prior to termination
- c. Once the project is fully stabilized and all devices removed, termination may be requested by email to the Stormwater Compliance Engineer.
- d. The Stormwater Compliance Engineer shall complete the Notice of Termination and provide a copy to the Area Engineer for inclusion with the SWPPP documentation
- e. All SWPPP documentation shall be maintained at the area office for no less than three years following termination of the Consent Decree. Notify the Stormwater Compliance Engineer if the records will be kept at an alternate location.

APPENDIX E

Contract Special Provisions for Temporary Erosion and Pollution Control

**KANSAS DEPARTMENT OF TRANSPORTATION
SPECIAL PROVISION TO THE
STANDARD SPECIFICATIONS, 2015 EDITION**

Delete SECTION 901 and replace with the following:

**SECTION 901
STORMWATER POLLUTION MANAGEMENT**

901.1 DESCRIPTION

Design, implement, inspect and maintain appropriate best management practices to minimize or eliminate erosion, sediment and other pollutants in stormwater runoff from the project.

BID ITEMS	UNITS
SWPPP Design	Lump Sum
SWPPP Inspection	Each
Water Pollution Control Manager	Each
Stormwater Compliance Disincentive Assessment	Lump Sum

901.2 MATERIALS

None Required.

901.3 CONSTRUCTION REQUIREMENTS

a. Permits.

(1) Projects with 1.0 acre or more of erodible surface: KDOT will submit the Notice of Intent (NOI) for authorization to discharge stormwater runoff from construction activities in accordance with the Kansas Water Pollution Control General Permit. The Contractor shall accept full responsibility, coverage, and liability for the permit, along with KDOT. Within 10 business days after notice of the award of contract, or within any time extension the Bureau Chief of Construction and Materials has granted for completion of documents required in the Bidding Proposal Form, complete, sign and return to KDOT the KDHE form "REQUEST FOR JOINT OWNER/OPERATOR". A blank copy of the form is attached. The Secretary will not sign the contract until the Contractor has returned the completed, signed "REQUEST FOR JOINT OWNER/OPERATOR". If the Contractor fails to complete, sign, and return the "REQUEST FOR JOINT OWNER/OPERATOR" within the required time, the Secretary will cancel the award of contract as provided in **SECTION 103**. KDOT will submit the completed form to KDHE for authorization. After approved by KDHE, copies will be distributed to KDOT and the Contractor. This joint authorization does not cover Contractor plant sites and Contractor-Furnished borrow and waste sites outside the project limits.

(2) Projects with less than 1.0 acre of erodible surface: Kansas General Permit coverage is not required. The Contractor is required to comply with **subsection 901.3b.** and use appropriate Best Management Practices (BMPs) to minimize stormwater pollution.

A Storm Water Pollution Prevention Plan (SWPPP) (**subsection 901.3c.**) is not required.

Inspection and Maintenance Reports (**subsection 901.3e.**) are not required.

A Water Pollution Control Manager (**subsection 901.3d.**) is not required.

Stormwater Erosion Control Conferences (**subsection 901.3f.**) are not required.

b. General. When Contractor-furnished borrow or plant sites are outside the project limits, obtain all required permits and clearances required for compliance, **SECTION 107**. Provide copies of all such permits and clearances to the Engineer.

Take all measures necessary to minimize or eliminate erosion, sediment and other pollutants in stormwater runoff from the project and project related borrow areas.

Assume responsibility for inspection and maintenance of all erosion and sediment control measures within the project limits, whether originally implemented by the Contractor, KDOT or a third party. Obtain information regarding the SWPPP and active Best Management Practices (BMPs) from the Area Engineer. Maintenance or removal of BMPs not installed by the Contractor may be considered Extra Work, **SECTION 104**, unless addressed by other items of the contract (e.g. sediment removal).

Install devices to establish a perimeter control of the project in areas where it is anticipated that stormwater runoff will leave the project. Install perimeter control devices prior to or simultaneously with the clearing and grubbing operations. Do not perform grading until perimeter control devices are in place and approved by the Engineer.

Unless requested in writing from the Contractor, and approved in writing by the Engineer, or specified otherwise in the Contract Documents, do not exceed 750,000 square feet of surface area of erodible earth material per equipment spread at one time. The Engineer will limit the surface area of erodible earth material exposed by clearing and grubbing, excavation, borrow (within right-of-way) and embankment operations. Limit the exposed erodible earth material according to the capability and progress, and in keeping with the approved schedule.

Areas will not count toward the 750,000 square feet limit, when the following conditions are met:

For areas that will not be disturbed again due to project phasing:

- Finish grade the completed area;
- Stabilize and maintain stabilization according to **SECTION 902**; and
- Do not disturb the area again without a written request from the Contractor and written approval from the Engineer;

For areas that will be disturbed again due to project phasing:

- Rough grade; and
- Stabilize and maintain stabilization according to **SECTION 902**.

DO NOT clear and grub areas unless work will actively be performed in the exposed area (or portions of the exposed area) within 7 calendar days on exposed steep slope areas (40% or greater) or within 14 calendar days for all other exposed areas.

If areas are cleared and grubbed and not finish graded, not part of project phasing and no meaningful work toward the completion of the bid item is performed within the exposed area (or portions of the exposed area) for 7 calendar days on exposed steep slope areas (40% or greater) or 14 calendar days for all other exposed areas, stabilize and maintain stabilization of the exposed areas according to **SECTION 902** at no cost to KDOT.

If on-site or state-furnished off-site borrow areas are to be excavated below the ground water elevation, construct a temporary berm around the borrow area to prevent stormwater runoff from entering the excavated area.

Do not ford live streams with construction equipment.

Restrict construction operations in rivers, streams and other water impoundments to those areas that must be entered for the construction of temporary or permanent structures. Only use clean aggregate fill for temporary crossing, work platforms, etc. When no longer required, promptly remove all falsework, piling, temporary crossings and other obstructions caused by the construction.

Where practical, do not store equipment or materials (including soil stockpiles) within 50 feet of rivers, streams or other surface waters. Avoid storing equipment or materials (including soil stockpiles) in flowlines of ditches or other drainage courses. Where such storage is necessary, obtain the Engineer's written approval and include in the project SWPPP appropriate best management practices for the storage area.

Install and maintain temporary erosion and pollution control devices as shown in the Contract Documents, **SECTION 902**, the SWPPP and as directed by the Engineer.

Implement temporary erosion and pollution control with best management practices (BMPs) as described in the SWPPP.

At a minimum, perform the following:

- Use temporary best management practices to minimize or eliminate pollutant discharge resulting from the construction of the project;
- Use temporary best management practices to prevent contamination of adjacent streams or other watercourses, lakes, ponds or other areas of water impoundment;
- Coordinate temporary best management practices with the construction of permanent erosion control features to provide continuous erosion control;

- Schedule construction of drainage structures and permanent erosion control features as soon as practicable; and
- Immediately initiate placement of appropriate erosion control Best Management Practices (BMPs) in any exposed steep slope areas (40% or greater) where construction activities have permanently or temporarily ceased, and will not resume for a period exceeding 7 calendar days. For vegetative cover areas, in addition to seeding, watering, mulching, and any other required activities related to the planting and establishment of vegetation, utilize other appropriate erosion control practices such as geotextiles or erosion control mats.
- Immediately initiate temporary stabilization on areas that have been disturbed after construction activities have permanently ceased on that portion of the project site. Immediately initiate temporary stabilization measures on areas that have been disturbed after construction activities have temporarily ceased on that portion of the project site if construction activities will not resume for a period exceeding 14 calendar days. Temporary stabilization may include temporary seeding, geotextiles, mulches or other techniques to reduce or eliminate erosion until either final stabilization can be achieved or until further construction activities take place to re-disturb the area.

Notify the Engineer in writing within 24 hours of any chemical, sewage or other material spill which is required to be reported to the KDHE under part 10 of the NPDES permit. The notification shall include at a minimum the material spilled, location of the spill, and a description of containment or remediation actions taken. This notice to the Engineer does not relieve the Contractor of responsibility to report to the KDHE or to any other agency.

If temporary erosion and pollution control is not implemented and maintained according to this specification, the approved SWPPP, or the NPDES permit, the Area/Metro Engineer may suspend all or part of the work on the project until conditions are brought into compliance, as determined by the Area/Metro Engineer.

KDOT will not issue the Notice of Acceptance, **SECTION 105**, until all necessary maintenance, corrective actions, removal of unnecessary devices and temporary stabilization is completed for the project. Failure to complete this work within the contract time may result in liquidated damages, **SECTION 108**.

All SWPPP related documentation including the original SWPPP, all revisions/amendments, and inspection reports shall be retained by the Engineer upon Acceptance of the project.

c. Project Storm Water Pollution Prevention Plan (SWPPP). Before the preconstruction conference, submit to the Field Engineer a minimum of 3 original copies of the SWPPP. No contract work may begin until the Field Engineer has approved the SWPPP.

Design the SWPPP to comply with the NPDES permit for the project. At a minimum, the project SWPPP shall include:

- the SWPPP Inspection and Maintenance Report Forms (KDOT Form No. 247);
- The planned sequence of major construction activities;
- the Contractor's Erosion Control Site Plan;
- the SWPPP Contractor Certification Form 246. The Contractor and all subcontractors are required to certify that they understand the terms and conditions of the general NPDES permit. The Engineer will provide the SWPPP Certification Form (Form No. 246), or it can be found on the KDOT Internet;
- a copy of the Project Notice of Intent Form (NOI) for Stormwater Runoff from Construction Activities. (obtained from KDOT);
- A copy of the "Request for Joint Owner/Operator" form approved by KDHE;
- An acknowledgement that State and Local requirements have been included in the SWPPP. Review all applicable permits (Corps of Engineers, Department of Agriculture, etc.) for special conditions affecting stormwater pollution control;
- Reference Contract Documents pertaining to temporary erosion and water pollution control. KDOT standard specifications, contractual special provisions and the policy on Storm Water Discharges can be found on the KDOT Internet at www.ksdot.org;
- A detailed description of Best Management Practices (BMPs) which will be used one or more times at the site for erosion and sediment control. Design, install and maintain BMPs to:
 - Control stormwater volume and velocity within the site;
 - Control stormwater discharges;
 - Minimize the amount of soil exposed during construction activity;

- Minimize the disturbance of steep slopes (slopes of 40% or greater);
- Minimize sediment discharges from the site;
- Control discharges from sediment or soil stockpiles;
- Minimize the generation of dust;
- Minimize off-site tracking of soils;
- Provide storm drain inlet protection for inlets down gradient of sites not fully stabilized or where construction will soon be started;
- Design, install, implement and maintain additional BMPs to minimize or eliminate contamination of stormwater runoff to:
 - Minimize discharge of pollutants from equipment and vehicle washing;
 - Minimize the exposure of construction waste, trash, pesticides, herbicides, detergents, sanitary waste and other materials present on the site to precipitation and to stormwater;
 - Minimize the discharge of pollutants from spills and leaks and implement chemical spill and leak prevention and response procedures;
 - BMPs in this category include but are not limited to:
 - Waste management including trash containers and regular site cleanup for proper disposal of solid waste such as scrap material, product/material shipping waste, food containers and cups;
 - Containers and proper disposal for waste paints, solvents, and cleaning compounds;
 - Portable toilets for proper disposal of sanitary waste;
 - Storage for construction materials away from drainage courses and low areas.

Update the erosion control site plan as work progresses to show changes due to revisions in work schedules or sequence of construction, or as directed by the Engineer. Update the site map to reflect erosion control devices that have been installed or removed.

d. Water Pollution Control Manager. Designate a Water Pollution Control Manager (WPCM) who shall visit the project during normal work hours on a frequent basis and in no instance less than once per week until all physical work is complete and the Engineer issues the Notice of Acceptance or a partial Notice of Acceptance. The required 180 day observation period for pavement markings is not considered to be physical work. The WPCM shall thoroughly review the project and SWPPP documentation during these site visits to verify the Contractor's compliance with this specification and with the NPDES permit. In addition, the WPCM shall:

- Have the authority to supervise all work performed by the Contractor and subcontractors that involves stormwater requirements or affects stormwater compliance;
- Have the responsibility to order Contractor employees and subcontractors to take appropriate corrective action to comply with stormwater requirements, including requiring any such person to cease or correct a violation of stormwater requirements and to order or recommend such other actions or sanctions as necessary to meet stormwater requirements;
- Be familiar with the Project SWPPP;
- Be responsible for updating the Project SWPPP and site maps to accurately reflect the BMPs in use on the project;
- Be the point of contact for KDOT regarding stormwater compliance;
- Have completed KDOT's Environmental Inspector Training (EIT) and Environmental Manager Training (EMT) programs within the 12 months prior to beginning construction activities. Maintain these certifications for the duration of the project;
- Review and sign SWPPP inspection reports within 3 days after receiving such reports, acknowledging awareness of any deficiencies and ensuring the correction of all deficiencies.
- Maintain and monitor an active email account capable of receiving electronic communications including inspection reports, photos and other documents relevant to stormwater compliance.

The WPCM may, when approved by the Engineer, perform SWPPP Inspections according to **subsection 901.3e.**

Immediately notify the Engineer in writing if the designated WPCM is replaced. The replacement WPCM shall comply with the above requirements, except that they shall have completed the training requirements within the 12 months prior to assuming WPCM duties. The notification shall include training certificates and contact information for the replacement WPCM.

e. SWPPP Inspections. The Contractor's Environmental Inspector shall have completed KDOT's Environmental Inspector Training (EIT) and maintain a current certification while performing SWPPP Inspections.

KDOT's Inspector and the Contractor's Environmental Inspector shall perform a joint inspection of the temporary erosion and pollution control devices every 14 days during normal work hours and within 24 hours of a rainfall event of $\frac{1}{2}$ inch or more. Continue inspections at this frequency until all physical work is complete and the Engineer issues the Notice of Acceptance or a partial Notice of Acceptance. The required 180 day observation period for pavement markings is not considered to be physical work.

Document the SWPPP inspections on KDOT Form 247, (SWPPP Inspection and Maintenance Report). KDOT and Contractor Inspectors shall each sign the report.

Correct any deficiencies noted during a SWPPP Inspection within 7 days of the inspection despite weather conditions that make it difficult (but not impossible) to perform corrections. No additional time shall be granted for making corrections on the basis of weather unless it is physically impossible due to flooding or frozen ground conditions for the Contractor to complete the corrections within the 7 days allowed. No additional time will be granted to complete corrective actions unless approved by the Stormwater Compliance Engineer.

Submit completed copies of KDOT Form 247 to the Area/Metro Engineer and the Contractor's WPCM within 24 hours after an inspection has been made.

The WPCM shall review and sign the report within 3 calendar days of receiving the completed inspection report. The WPCM's signature acknowledges awareness of all reported deficiencies and corrective actions required to be taken within 7 calendar days of the inspection.

The Contractor Inspector's signature acknowledges awareness of all reported deficiencies and corrective actions required to be taken within 7 calendar days of the inspection.

The obligation to conduct formal inspections and complete an associated report every 14 days and within 24 hours of a rainfall event of $\frac{1}{2}$ inch or more does not limit or otherwise modify the Contractor's obligation to monitor and maintain temporary erosion and pollution control devices daily.

f. Stormwater Erosion Control Conferences. Each project shall have a stormwater erosion control pre-construction conference before the start of construction activities.

KDOT and the Contractor shall also hold stormwater erosion control conferences before the start of each major phase of construction and before the winter shutdown period begins.

These conferences shall be attended by the KDOT Area/Metro Engineer, the WPCM, and Environmental Inspector(s) for the Project, and any erosion control subcontractor(s). The attendance sheet and minutes of the conference will be kept in the SWPPP notebook.

g. Stormwater Compliance Disincentive Assessment.

If the Contractor fails to follow any requirement in this Special Provision, Part 7 of the Kansas General Permit (KGP) titled "Stormwater Pollution Prevention Plan Requirements and Guidelines," Part 10 of the KGP titled "General Requirements of this Permit," or Part 11 of the KGP titled "Standard Conditions," the Contractor shall be liable for a disincentive assessment(s). The disincentive assessment(s) charged and owing shall be:

- One thousand five hundred dollars (\$1,500.00) per violation per day for each calendar day, or part thereof, that the Contractor fails to follow each requirement for days 1-10.
- Two thousand five hundred dollars (\$2,500.00) per violation per day for each calendar day, or part thereof, that the Contractor fails to follow each requirement for days 11-20.
- Three thousand five hundred dollars (\$3,500.00) per violation per day for each calendar day, or part thereof, that the Contractor fails to follow each requirement for days 21 and continuing.

The per day disincentive assessment applies to each requirement in this Special Provision, Part 7, Part 10, and Part 11 of the KGP for which the Contractor fails to comply. Thus, multiple disincentive assessments may be imposed on the same day. The failure to follow a requirement in this Special Provision and the KGP includes, without limitation, the failure to install, operate, or maintain BMP's in accordance with the SWPPP as well as the improper installation, operation, or maintenance of such BMP's. Failure to follow a requirement in this Special Provision and the KGP could result in the Engineer determining this as Unacceptable Work according to **SECTION 105**, and cause the Engineer to remedy this unacceptable work according to **SECTION 105**.

If the Contractor fails to have a properly trained and certified WPCM assigned to the Project as required under **subsection 901.3d.**, the Contractor shall be liable for a disincentive assessment of Seven hundred fifty-dollars

(\$750.00) for each day of construction on which the WPCM has not received KDOT's Environmental Manager Training, fails to have a current certification, or both.

If the Contractor personnel performing the joint inspection of the temporary erosion and pollution control devices required under **subsection 901.3e.** fails to have completed KDOT's Environmental Inspector Training, fails to have a current certification, or both, the Contractor shall be liable for a disincentive assessment of seven hundred fifty-dollars (\$750.00) for each inspection undertaken by a person that fails to have the required training and current certification.

If the Contractor fails to have a WPCM, a Contractor Environmental Inspector, or both at the stormwater erosion control pre-construction conference as required under **subsection 901.3f,** the Contractor shall be liable for a disincentive assessment of Seven hundred fifty-dollars (\$750.00) for each person not present.

If the Contractor Environmental Inspector on the project fails to provide a copy of the inspection report to the Area/Metro Engineer and the WPCM within 24 hours of each stormwater inspection required under **subsection 901.3e.** and the KGP, the Contractor shall be liable for a disincentive assessment of Seven hundred fifty dollars (\$750.00) per day for each day the inspection report has not been provided to the Area/Metro Engineer and the WPCM within 24 hours of the inspection.

If the Contractor Environmental Inspector on the project fails to use the most current SWPPP Inspection and Maintenance Report Forms (KDOT Form No. 247) as required under **subsection 901.3e.,** the Contractor shall be liable for a disincentive assessment of Seven hundred fifty dollars (\$750.00) for each report submitted on a form other than Form No. 247.

If the Contractor fails to notify the Engineer of spills as required under **subsection 901.3b.,** the Contractor shall be liable for a disincentive assessment of:

- Seven hundred fifty-dollars (\$750.00) the first day the notification is late; and
- Seven hundred fifty-dollars (\$750.00) for each 14 day period that passes without the information being provided

Should an event causing flooding or frozen ground conditions make it impossible to perform corrections within the allowed time, notify the Area/Metro Engineer and the Stormwater Compliance Engineer within 48 hours of the event. Within 3 days of the notification, submit in writing an explanation and description of the reasons for the delay; the anticipated duration of the delay; all actions taken or to be taken to prevent or minimize the delay; and a schedule for implementation of any measures to be taken to prevent or mitigate the delay. Include with the submittal any relevant documentation supporting the claim that the delay is due to impossible conditions and that best efforts were made to complete the required corrections and to minimize any delay to the extent possible. No additional time will be granted to submit the required information unless approved in writing by the Stormwater Compliance Engineer.

The Engineer will deduct and withhold from contract funds the Stormwater Compliance Disincentive Assessment under **subsection 901.3g.** The assessments are to be computed in the same manner as damages under **SECTION 108** (Liquidated Damages and Disincentive Assessments) except calendar days include Sundays, Holidays and the Winter Holiday Period. If contract funds are insufficient, the Contractor shall pay KDOT the balance owed. If the Contractor fails to pay KDOT the amount owed within 10 days after demand from KDOT, the Contractor shall be considered in breach of contract under **SECTION 108.**

The disincentive assessments under **subsection 901.3g.** are in addition to federal and state statutory penalties and fines that are allowed against the Contractor under the Clean Water Act and other environmental laws for violations of those laws. See also **subsection 901.3h.**

h. Penalties and Fines. Nothing in **SECTION 901** prevents KDHE, EPA or both from assessing penalties and fines against the Contractor because of the Contractor's failure to comply with applicable laws, regulations, ordinances, NPDES permit, other permits, the SWPPP, governmental administrative compliance orders or corrective orders for the Project, or a combination thereof.

Nothing in this **SECTION 901** prevents KDHE, EPA, or both from assessing penalties and fines against the Contractor because of the Contractor's failure to comply with an administrative claims settlement or consent decree that governs KDOT projects and that is included in the Proposal Form or that is added "Extra Work", **SECTION 104.**

Understand that penalties/fines may be imposed against KDOT, the Contractor, or both because of "shared" responsibility/liability under applicable environmental law, regulations, ordinances; the NPDES permit, other permits, the SWPPP, administrative corrective action orders, administrative claims settlements, consent decrees, legal judgments or a combination thereof. The Contractor shall have no claim that such shared

responsibility/liability voids the Contractor's liability for disincentive assessments under **subsection 901.3g.** or for penalties/fines under **subsection 901.3h.**

901.4 MEASUREMENT AND PAYMENT

The Engineer will measure each SWPPP inspection performed in compliance with this specification.

The Engineer will measure each Water Pollution Control Manager (WPCM). Each is defined as each calendar week (Sunday-Saturday) that the Contractor provides a WPCM according to **subsection 901.3.d.** Each week will be measured only once, regardless of the number of site visits or time spent performing WPCM duties for that week.

The Engineer will measure SWPPP design for payment as a lump sum upon the Area Engineer's approval. All revisions or updates to the SWPPP shall be subsidiary.

The Engineer will assess disincentives under the bid item "Stormwater Compliance Disincentive Assessment" by the Lump Sum.

05-13-15 C&M
Jul-15 Letting



REQUEST FOR JOINT OWNER/OPERATOR

For Authorization to Discharge Stormwater Runoff from Construction Activity
In accordance with Kansas Water Pollution Control General Permit No. S-MCST-0312-1
Under the National Pollutant Discharge Elimination System

Use this form only when stormwater discharge and control responsibility for the entire permitted area will be jointly held by adding an owner/operator to an existing Kansas Department of Transportation (KDOT) authorized permit. Submission of the Request for Joint Owner/Operator (RJO) constitutes notice of a request for joint authorization for coverage with KDOT under the Kansas Water Pollution Control General Permit, or KDHE issued successor permits, issued for discharge of Stormwater Runoff from Construction Activities in the State of Kansas. Completion of this RJO does not provide automatic coverage under the general permit to the added owner/operator. Coverage is provided and discharge permitted for the joint owners/operators when the Kansas Department of Health and Environment (KDHE) authorizes the Request for Joint Owner/Operator. TO CONTINUE COVERAGE, KDOT AND THE ADDED OWNER/OPERATOR MUST CONTINUE TO IMPLEMENT THE STORMWATER POLLUTION PREVENTION PLAN DEVELOPED FOR THE PERMITTED AREA AND KDOT CONTINUES TO PAY THE ANNUAL PERMIT FEE.

Submission of this RJO to KDHE does not relinquish the KDOT's authorization to discharge stormwater runoff from construction activity at the site described herein. Completion of this RJO does not automatically relieve KDOT of any civil, criminal and/or administrative penalties. To be considered complete, the RJO must be signed by the added owner/operator and KDOT or a duly authorized representative of the added owner/operator, and must include the permit number assigned to the construction site. KDHE will notify KDOT and the added Owner/Operator when the RJO is incomplete, deficient or denied.

TO BE COMPLETED BY THE ADDED OWNER/OPERATOR:

I hereby confirm that the Added Owner/Operator identified below shares joint stormwater discharge and operational control responsibility with KDOT and accepts being added to the below identified authorization under the Kansas Stormwater Runoff from Construction Activities General Permit. On Added Owner/Operator's behalf, I have reviewed the terms and conditions of the General Permit and accept full responsibility, coverage, and liability with KDOT under the General Permit. This addition will be effective when KDHE authorizes the RJO form. I understand KDHE and other regulatory entities can take action against one or all authorized Owner/Operators for permit violations.

The ADDED OWNER/OPERATOR is:

Owner or Operator's Name: _____

Contact Name: _____

Company Name: _____

Company Name: _____

Owner or Operator's Phone: _____

Contact Phone: _____

Mailing Address: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

City: _____ State: _____ Zip Code: _____

I certify that I have personally examined and am familiar with the information described herein.

Added Owner/Operator's Signature: _____ Date: _____

Name (typed or printed): _____ Title: _____

TO BE COMPLETED BY KDOT

As original Owner/Operator for the authorized project indicated below, I hereby certify the above Added Owner/Operator meets the General Permit definition of Owner/Operator and agree to the shared responsibilities with the Added Owner/Operator under the General Permit and continuance of my responsibilities thereunder. I understand that the addition of the Added Owner/Operator to the permit is effective when KDHE authorizes the RJO form.

Name of Project: _____

Address: _____ City: _____ County: _____ State: KS Zip Code: _____

Kansas Permit No. _____ Federal Permit No. _____

Permittee Signature: _____ Date: _____

Permittee Name: _____ Title: _____ Phone Number: _____

Submit the RJO with original signatures to:

Kansas Department of Health and Environment
Bureau of Water, Industrial Programs Section
1000 SW Jackson, Suite 420
Topeka, KS 66612 - 1367

Authorized: Y; N

Reviewer _____ Date _____

**KANSAS DEPARTMENT OF TRANSPORTATION
SPECIAL PROVISION TO THE
STANDARD SPECIFICATIONS, 2015 EDITION**

SECTION 901

STORMWATER POLLUTION MANAGEMENT

Page 900-5, subsection 901.3g. add the following before the first paragraph:

g. Stormwater Compliance Disincentive Assessment. If the Contractor's Environmental Inspector fails to perform a SWPPP Inspection as required according to **subsection 901.3e.** the Contractor shall be liable for a disincentive assessment. The disincentive assessment charged and owing shall be \$250 for each inspection not performed. Failure to participate in the joint inspection does not relieve the Contractor of the responsibility to correct deficiencies noted by KDOT's Inspector.

06-30-15
Oct-15 Letting

**KANSAS DEPARTMENT OF TRANSPORTATION
SPECIAL PROVISION TO THE
STANDARD SPECIFICATIONS, 2015 EDITION**

Delete SECTION 901 and replace with the following:

**SECTION 901
STORMWATER POLLUTION MANAGEMENT**

901.1 DESCRIPTION

Design, implement, inspect and maintain appropriate best management practices to minimize or eliminate erosion, sediment and other pollutants in stormwater runoff from the project.

BID ITEMS	UNITS
SWPPP Design	Lump Sum
SWPPP Inspection	Each
Water Pollution Control Manager	Each
Stormwater Compliance Disincentive Assessment	Lump Sum

901.2 MATERIALS

None Required.

901.3 CONSTRUCTION REQUIREMENTS

a. Permits.

(1) Projects with 1.0 acre or more of erodible surface: KDOT will submit the Notice of Intent (NOI) for authorization to discharge stormwater runoff from construction activities in accordance with the Kansas Water Pollution Control General Permit. The Contractor shall accept full responsibility, coverage, and liability for the permit, along with KDOT. Within 10 business days after notice of the award of contract, or within any time extension the Bureau Chief of Construction and Materials has granted for completion of documents required in the Bidding Proposal Form, complete, sign and return to KDOT the KDHE form "REQUEST FOR JOINT OWNER/OPERATOR". A blank copy of the form is attached. The Secretary will not sign the contract until the Contractor has returned the completed, signed "REQUEST FOR JOINT OWNER/OPERATOR". If the Contractor fails to complete, sign, and return the "REQUEST FOR JOINT OWNER/OPERATOR" within the required time, the Secretary will cancel the award of contract as provided in **SECTION 103**. KDOT will submit the completed form to KDHE for authorization. After approved by KDHE, copies will be distributed to KDOT and the Contractor. This joint authorization does not cover Contractor plant sites and Contractor-Furnished borrow and waste sites outside the project limits.

(2) Projects with less than 1.0 acre of erodible surface: Kansas General Permit coverage is not required. The Contractor is required to comply with **subsection 901.3b.** and use appropriate Best Management Practices (BMPs) to minimize stormwater pollution.

A Storm Water Pollution Prevention Plan (SWPPP) (**subsection 901.3c.**) is not required.

Inspection and Maintenance Reports (**subsection 901.3e.**) are not required.

A Water Pollution Control Manager (**subsection 901.3d.**) is not required.

Stormwater Erosion Control Conferences (**subsection 901.3f.**) are not required.

b. General. When Contractor-furnished borrow or plant sites are outside the project limits, obtain all required permits and clearances required for compliance, **SECTION 107**. Provide copies of all such permits and clearances to the Engineer.

Take all measures necessary to minimize or eliminate erosion, sediment and other pollutants in stormwater runoff from the project and project related borrow areas.

Assume responsibility for inspection and maintenance of all erosion and sediment control measures within the project limits, whether originally implemented by the Contractor, KDOT or a third party. Obtain information regarding the SWPPP and active Best Management Practices (BMPs) from the Area Engineer. Maintenance or removal of BMPs not installed by the Contractor may be considered Extra Work, **SECTION 104**, unless addressed by other items of the contract (e.g. sediment removal).

Install devices to establish a perimeter control of the project in areas where it is anticipated that stormwater runoff will leave the project. Install perimeter control devices prior to or simultaneously with the clearing and grubbing operations. Do not perform grading until perimeter control devices are in place and approved by the Engineer.

Unless requested in writing from the Contractor, and approved in writing by the Engineer, or specified otherwise in the Contract Documents, do not exceed 750,000 square feet of surface area of erodible earth material per equipment spread at one time. The Engineer will limit the surface area of erodible earth material exposed by clearing and grubbing, excavation, borrow (within right-of-way) and embankment operations. Limit the exposed erodible earth material according to the capability and progress, and in keeping with the approved schedule.

Areas will not count toward the 750,000 square feet limit, when the following conditions are met:

For areas that will not be disturbed again due to project phasing:

- Finish grade the completed area;
- Stabilize and maintain stabilization according to **SECTION 902**; and
- Do not disturb the area again without a written request from the Contractor and written approval from the Engineer;

For areas that will be disturbed again due to project phasing:

- Rough grade; and
- Stabilize and maintain stabilization according to **SECTION 902**.

DO NOT clear and grub areas unless work will actively be performed in the exposed area (or portions of the exposed area) within 7 calendar days on exposed steep slope areas (40% or greater) or within 14 calendar days for all other exposed areas.

If areas are cleared and grubbed and not finish graded, not part of project phasing and no meaningful work toward the completion of the bid item is performed within the exposed area (or portions of the exposed area) for 7 calendar days on exposed steep slope areas (40% or greater) or 14 calendar days for all other exposed areas, stabilize and maintain stabilization of the exposed areas according to **SECTION 902** at no cost to KDOT.

If on-site or state-furnished off-site borrow areas are to be excavated below the ground water elevation, construct a temporary berm around the borrow area to prevent stormwater runoff from entering the excavated area.

Do not ford live streams with construction equipment.

Restrict construction operations in rivers, streams and other water impoundments to those areas that must be entered for the construction of temporary or permanent structures. Only use clean aggregate fill for temporary crossing, work platforms, etc. When no longer required, promptly remove all falsework, piling, temporary crossings and other obstructions caused by the construction.

Where practical, do not store equipment or materials (including soil stockpiles) within 50 feet of rivers, streams or other surface waters. Avoid storing equipment or materials (including soil stockpiles) in flowlines of ditches or other drainage courses. Where such storage is necessary, obtain the Engineer's written approval and include in the project SWPPP appropriate best management practices for the storage area.

Install and maintain temporary erosion and pollution control devices as shown in the Contract Documents, **SECTION 902**, the SWPPP and as directed by the Engineer.

Implement temporary erosion and pollution control with best management practices (BMPs) as described in the SWPPP.

At a minimum, perform the following:

- Use temporary best management practices to minimize or eliminate pollutant discharge resulting from the construction of the project;
- Use temporary best management practices to prevent contamination of adjacent streams or other watercourses, lakes, ponds or other areas of water impoundment;
- Coordinate temporary best management practices with the construction of permanent erosion control features to provide continuous erosion control;
- Schedule the construction of drainage structures as soon as practicable;

- Schedule construction of permanent erosion control features as soon as practicable; and
- Immediately initiate placement of appropriate erosion control Best Management Practices (BMPs) in any exposed steep slope areas (40% or greater) where construction activities have permanently or temporarily ceased, and will not resume for a period exceeding 7 calendar days. For vegetative cover areas, in addition to seeding, watering, mulching, and any other required activities related to the planting and establishment of vegetation, utilize other appropriate erosion control practices such as geotextiles or erosion control mats.
- Immediately initiate temporary stabilization on areas that have been disturbed after construction activities have permanently ceased on that portion of the project site. Immediately initiate temporary stabilization measures on areas that have been disturbed after construction activities have temporarily ceased on that portion of the project site if construction activities will not resume for a period exceeding 14 calendar days. Temporary stabilization may include temporary seeding, geotextiles, mulches or other techniques to reduce or eliminate erosion until either final stabilization can be achieved or until further construction activities take place to re-disturb the area.
- Stabilization is initiated when physical work on the project to install stabilizing BMPs has begun. “Immediately” in the context of the above provisions has been defined by the EPA to mean “as soon as practicable, but no later than the end of the next work day, following the day when the earth-disturbing activities have temporarily or permanently ceased.” Prosecute stabilization work continuously and diligently until completed.

Notify the Engineer in writing within 24 hours of any chemical, sewage or other material spill which is required to be reported to the KDHE under part 10 of the NPDES permit. The notification shall include at a minimum the material spilled, location of the spill, and a description of containment or remediation actions taken. This notice to the Engineer does not relieve the Contractor of responsibility to report to the KDHE or to any other agency.

If temporary erosion and pollution control is not implemented and maintained according to this specification, the approved SWPPP, or the NPDES permit, the Area/Metro Engineer may suspend all or part of the work on the project until conditions are brought into compliance, as determined by the Area/Metro Engineer.

KDOT will not issue the Notice of Acceptance, **SECTION 105**, until all necessary maintenance, corrective actions, removal of unnecessary devices and temporary stabilization is completed for the project. Failure to complete this work within the contract time may result in liquidated damages, **SECTION 108**.

All SWPPP related documentation including the original SWPPP, all revisions/amendments, and inspection reports shall be retained by the Engineer upon Acceptance of the project.

c. Project Storm Water Pollution Prevention Plan (SWPPP). Before the preconstruction conference, submit to the Field Engineer a minimum of 3 original copies of the SWPPP. No contract work may begin until the Area/Metro Engineer has approved the SWPPP.

Design the SWPPP to comply with the NPDES permit for the project. At a minimum, the project SWPPP shall include:

- the SWPPP Inspection and Maintenance Report Forms (KDOT Form No. 247);
- The planned sequence of major construction activities;
- the Contractor's Erosion Control Site Plan;
- the SWPPP Contractor Certification Form 246. The Contractor and all subcontractors are required to certify that they understand the terms and conditions of the general NPDES permit. The Engineer will provide the SWPPP Certification Form (Form No. 246), or it can be found on the KDOT Internet;
- a copy of the Project Notice of Intent Form (NOI) for Stormwater Runoff from Construction Activities. (obtained from KDOT);
- A copy of the “Request for Joint Owner/Operator” form approved by KDHE;
- An acknowledgement that State and Local requirements have been included in the SWPPP. Review all applicable permits (Corps of Engineers, Department of Agriculture, etc.) for special conditions affecting stormwater pollution control;
- Reference Contract Documents pertaining to temporary erosion and water pollution control. KDOT standard specifications, contractual special provisions and the policy on Storm Water Discharges can be found on the KDOT Internet at www.ksdot.org;

- A detailed description of Best Management Practices (BMPs) which will be used one or more times at the site for erosion and sediment control. Design, install and maintain BMPs to:
 - Control stormwater volume and velocity within the site;
 - Control stormwater discharges;
 - Minimize the amount of soil exposed during construction activity;
 - Minimize the disturbance of steep slopes (slopes of 40% or greater);
 - Minimize sediment discharges from the site;
 - Control discharges from sediment or soil stockpiles;
 - Minimize the generation of dust;
 - Minimize off-site tracking of soils;
 - Provide storm drain inlet protection for inlets down gradient of sites not fully stabilized or where construction will soon be started;
- Design, install, implement and maintain additional BMPs to minimize or eliminate contamination of stormwater runoff to:
 - Minimize discharge of pollutants from equipment and vehicle washing;
 - Minimize the exposure of construction waste, trash, pesticides, herbicides, detergents, sanitary waste and other materials present on the site to precipitation and to stormwater;
 - Minimize the discharge of pollutants from spills and leaks and implement chemical spill and leak prevention and response procedures;
 - BMPs in this category include but are not limited to:
 - Waste management including trash containers and regular site cleanup for proper disposal of solid waste such as scrap material, product/material shipping waste, food containers and cups;
 - Containers and proper disposal for waste paints, solvents, and cleaning compounds;
 - Portable toilets for proper disposal of sanitary waste;
 - Storage for construction materials away from drainage courses and low areas.

Update the erosion control site plan as work progresses to show changes due to revisions in work schedules or sequence of construction, or as directed by the Engineer. Update the site map to reflect erosion control devices that have been installed or removed.

d. Water Pollution Control Manager. Designate a Water Pollution Control Manager (WPCM) who shall visit the project during normal work hours on a frequent basis and at least once per week until all physical work is complete and the Engineer issues the Notice of Acceptance or a partial Notice of Acceptance. The required 180 day observation period for pavement markings is not considered to be physical work. The WPCM shall thoroughly review the project and SWPPP documentation during these site visits to verify the Contractor's compliance with this specification and with the NPDES permit. In addition, the WPCM shall:

- Have the authority to supervise all work performed by the Contractor and subcontractors that involves stormwater requirements or affects stormwater compliance;
- Have the responsibility to order Contractor employees and subcontractors to take appropriate corrective action to comply with stormwater requirements, including requiring any such person to cease or correct a violation of stormwater requirements and to order or recommend such other actions or sanctions as necessary to meet stormwater requirements;
- Be familiar with the Project SWPPP;
- Be responsible for updating the Project SWPPP and site maps to accurately reflect the BMPs in use on the project;
- Be the point of contact for KDOT regarding stormwater compliance;
- Have completed KDOT's Environmental Inspector Training (EIT) and Environmental Manager Training (EMT) programs within the 12 months prior to beginning construction activities. Maintain these certifications for the duration of the project;
- Review and sign SWPPP inspection reports within 3 days after receiving such reports, acknowledging awareness of any deficiencies and ensuring the correction of all deficiencies.
- Maintain and monitor an active email account capable of receiving electronic communications including inspection reports, photos and other documents relevant to stormwater compliance.

The WPCM may, when approved by the Engineer, perform SWPPP Inspections according to **subsection 901.3e.**

Immediately notify the Engineer in writing if the designated WPCM is replaced. The replacement WPCM shall comply with the above requirements, except that they shall have completed the training requirements within the 12 months prior to assuming WPCM duties. The notification shall include training certificates and contact information for the replacement WPCM.

e. SWPPP Inspections. The Contractor's Environmental Inspector shall have completed KDOT's Environmental Inspector Training (EIT) and maintain a current certification while performing SWPPP Inspections.

KDOT's Inspector and the Contractor's Environmental Inspector shall perform a joint inspection of the temporary erosion and pollution control devices every 14 days during normal work hours and within 24 hours of a rainfall event of $\frac{1}{2}$ inch or more. Continue inspections at this frequency until all physical work is complete and the Engineer issues the Notice of Acceptance or a partial Notice of Acceptance. The required 180 day observation period for pavement markings is not considered to be physical work.

Document the SWPPP inspections on KDOT Form 247, (SWPPP Inspection and Maintenance Report). KDOT and Contractor Inspectors shall each sign the report.

Correct any deficiencies noted during a SWPPP Inspection within 7 days of the inspection despite weather conditions that make it difficult (but not impossible) to perform corrections. No additional time shall be granted for making corrections on the basis of weather unless it is physically impossible due to flooding or frozen ground conditions for the Contractor to complete the corrections within the 7 days allowed. No additional time will be granted to complete corrective actions unless approved by the Stormwater Compliance Engineer.

Submit completed copies of KDOT Form 247 to the Area/Metro Engineer and the Contractor's WPCM within 24 hours after an inspection has been made.

The WPCM shall review and sign the report within 3 calendar days of receiving the completed inspection report. The WPCM's signature acknowledges awareness of all reported deficiencies and corrective actions required to be taken within 7 calendar days of the inspection.

The Contractor Inspector's signature acknowledges awareness of all reported deficiencies and corrective actions required to be taken within 7 calendar days of the inspection.

The obligation to conduct formal inspections and complete an associated report every 14 days and within 24 hours of a rainfall event of $\frac{1}{2}$ inch or more does not limit or otherwise modify the Contractor's obligation to monitor and maintain temporary erosion and pollution control devices daily.

f. Stormwater Erosion Control Conferences. Each project shall have a stormwater erosion control pre-construction conference before the start of construction activities.

KDOT and the Contractor shall also hold stormwater erosion control conferences before the start of each major phase of construction and before the winter shutdown period begins.

These conferences shall be attended by the KDOT Area/Metro Engineer, the WPCM, and Environmental Inspector(s) for the Project, and any erosion control subcontractor(s). The attendance sheet and minutes of the conference will be kept in the SWPPP notebook.

g. Stormwater Compliance Disincentive Assessment.

If the Contractor fails to follow any requirement in this Special Provision, Part 7 of the Kansas General Permit (KGP) titled "Stormwater Pollution Prevention Plan Requirements and Guidelines," Part 10 of the KGP titled "General Requirements of this Permit," or Part 11 of the KGP titled "Standard Conditions," the Contractor shall be liable for a disincentive assessment(s). The disincentive assessment(s) charged and owing shall be:

- One thousand five hundred dollars (\$1,500.00) per violation per day for each calendar day, or part thereof, that the Contractor fails to follow each requirement for days 1-10.
- Two thousand five hundred dollars (\$2,500.00) per violation per day for each calendar day, or part thereof, that the Contractor fails to follow each requirement for days 11-20.
- Three thousand five hundred dollars (\$3,500.00) per violation per day for each calendar day, or part thereof, that the Contractor fails to follow each requirement for days 21 and continuing.

The per day disincentive assessment applies to each requirement in this Special Provision, Part 7, Part 10, and Part 11 of the KGP for which the Contractor fails to comply. Thus, multiple disincentive assessments may be imposed on the same day. The failure to follow a requirement in this Special Provision and the KGP includes, without limitation, the failure to install, operate, or maintain BMP's in accordance with the SWPPP as well as the

improper installation, operation, or maintenance of such BMP's. Failure to follow a requirement in this Special Provision and the KGP could result in the Engineer determining this as Unacceptable Work according to **SECTION 105**, and cause the Engineer to remedy this unacceptable work according to **SECTION 105**.

If the Contractor fails to have a properly trained and certified WPCM assigned to the Project as required under **subsection 901.3d.**, the Contractor shall be liable for a disincentive assessment of Seven hundred fifty-dollars (\$750.00) for each day of construction on which no WPCM is designated or for each day of construction the designated WPCM does not meet the requirements under **subsection 901.3d.** If the Contractor fails to have a properly trained and certified Environmental Inspector perform the joint inspection under **subsection 901.3e** the Contractor shall be liable for a disincentive of seven hundred fifty dollars (\$750) for each inspection improperly performed. If the Contractor fails to have a WPCM, a Contractor Environmental Inspector, or both at the stormwater erosion control pre-construction conference as required under **subsection 901.3f**, the Contractor shall be liable for a disincentive assessment of Seven hundred fifty-dollars (\$750.00) for each person not present.

If the Contractor Environmental Inspector on the project fails to provide a copy of the inspection report to the Area/Metro Engineer and the WPCM within 24 hours of each stormwater inspection required under **subsection 901.3e.** and the KGP, the Contractor shall be liable for a disincentive assessment of Seven hundred fifty dollars (\$750.00) per day for each day the inspection report has not been provided to the Area/Metro Engineer and the WPCM within 24 hours of the inspection.

If the Contractor Environmental Inspector on the project fails to use the most current SWPPP Inspection and Maintenance Report Forms (KDOT Form No. 247) as required under **subsection 901.3e.**, the Contractor shall be liable for a disincentive assessment of Seven hundred fifty dollars (\$750.00) for each report submitted on a form other than Form No. 247.

If the Contractor fails to notify the Engineer of spills as required under **subsection 901.3b.**, the Contractor shall be liable for a disincentive assessment of:

- Seven hundred fifty-dollars (\$750.00) the first day the notification is late; and
- Seven hundred fifty-dollars (\$750.00) for each 14 day period that passes without the information being provided

Should an event causing flooding or frozen ground conditions make it impossible to perform corrections within the allowed time, notify the Area/Metro Engineer and the Stormwater Compliance Engineer within 48 hours of the event. Within 3 days of the notification, submit in writing an explanation and description of the reasons for the delay; the anticipated duration of the delay; all actions taken or to be taken to prevent or minimize the delay; and a schedule for implementation of any measures to be taken to prevent or mitigate the delay. Include with the submittal any relevant documentation supporting the claim that the delay is due to impossible conditions and that best efforts were made to complete the required corrections and to minimize any delay to the extent possible. No additional time will be granted to submit the required information unless approved in writing by the Stormwater Compliance Engineer.

The Engineer will deduct and withhold from contract funds the Stormwater Compliance Disincentive Assessment under **subsection 901.3g.** The assessments are to be computed in the same manner as damages under **SECTION 108** (Liquidated Damages and Disincentive Assessments) except calendar days include Sundays, Holidays and the Winter Holiday Period. If contract funds are insufficient, the Contractor shall pay KDOT the balance owed. If the Contractor fails to pay KDOT the amount owed within 10 days after demand from KDOT, the Contractor shall be considered in breach of contract under **SECTION 108**.

The disincentive assessments under **subsection 901.3g.** are in addition to federal and state statutory penalties and fines that are allowed against the Contractor under the Clean Water Act and other environmental laws for violations of those laws. See also **subsection 901.3h.**

h. Penalties and Fines. Nothing in **SECTION 901** prevents KDHE, EPA or both from assessing penalties and fines against the Contractor because of the Contractor's failure to comply with applicable laws, regulations, ordinances, NPDES permit, other permits, the SWPPP, governmental administrative compliance orders or corrective orders for the Project, or a combination thereof.

Nothing in this **SECTION 901** prevents KDHE, EPA, or both from assessing penalties and fines against the Contractor because of the Contractor's failure to comply with an administrative claims settlement or consent decree that governs KDOT projects and that is included in the Proposal Form or that is added "Extra Work", **SECTION 104**.

Understand that penalties/fines may be imposed against KDOT, the Contractor, or both because of "shared" responsibility/liability under applicable environmental law, regulations, ordinances; the NPDES permit, other permits, the SWPPP, administrative corrective action orders, administrative claims settlements, consent decrees,

legal judgments or a combination thereof. The Contractor shall have no claim that such shared responsibility/liability voids the Contractor's liability for disincentive assessments under **subsection 901.3g.** or for penalties/fines under **subsection 901.3h.**

901.4 MEASUREMENT AND PAYMENT

The Engineer will measure each SWPPP inspection performed in compliance with this specification.

The Engineer will measure each Water Pollution Control Manager (WPCM). Each is defined as each calendar week (Sunday-Saturday) that the Contractor provides a WPCM according to **subsection 901.3.d.** Each week will be measured only once, regardless of the number of site visits or time spent performing WPCM duties for that week.

The Engineer will measure SWPPP design for payment as a lump sum upon the Area Engineer's approval. All revisions or updates to the SWPPP shall be subsidiary.

The Engineer will assess disincentives under the bid item "Stormwater Compliance Disincentive Assessment" by the Lump Sum.

12-18-15 C&M (JVN)

Apr-16 Letting



REQUEST FOR JOINT OWNER/OPERATOR

For Authorization to Discharge Stormwater Runoff from Construction Activity
In accordance with Kansas Water Pollution Control General Permit No. S-MCST-0312-1
Under the National Pollutant Discharge Elimination System

Use this form only when stormwater discharge and control responsibility for the entire permitted area will be jointly held by adding an owner/operator to an existing Kansas Department of Transportation (KDOT) authorized permit. Submission of the Request for Joint Owner/Operator (RJO) constitutes notice of a request for joint authorization for coverage with KDOT under the Kansas Water Pollution Control General Permit, or KDHE issued successor permits, issued for discharge of Stormwater Runoff from Construction Activities in the State of Kansas. Completion of this RJO does not provide automatic coverage under the general permit to the added owner/operator. Coverage is provided and discharge permitted for the joint owners/operators when the Kansas Department of Health and Environment (KDHE) authorizes the Request for Joint Owner/Operator. TO CONTINUE COVERAGE, KDOT AND THE ADDED OWNER/OPERATOR MUST CONTINUE TO IMPLEMENT THE STORMWATER POLLUTION PREVENTION PLAN DEVELOPED FOR THE PERMITTED AREA AND KDOT CONTINUES TO PAY THE ANNUAL PERMIT FEE.

Submission of this RJO to KDHE does not relinquish the KDOT's authorization to discharge stormwater runoff from construction activity at the site described herein. Completion of this RJO does not automatically relieve KDOT of any civil, criminal and/or administrative penalties. To be considered complete, the RJO must be signed by the added owner/operator and KDOT or a duly authorized representative of the added owner/operator, and must include the permit number assigned to the construction site. KDHE will notify KDOT and the added Owner/Operator when the RJO is incomplete, deficient or denied.

TO BE COMPLETED BY THE ADDED OWNER/OPERATOR:

I hereby confirm that the Added Owner/Operator identified below shares joint stormwater discharge and operational control responsibility with KDOT and accepts being added to the below identified authorization under the Kansas Stormwater Runoff from Construction Activities General Permit. On Added Owner/Operator's behalf, I have reviewed the terms and conditions of the General Permit and accept full responsibility, coverage, and liability with KDOT under the General Permit. This addition will be effective when KDHE authorizes the RJO form. I understand KDHE and other regulatory entities can take action against one or all authorized Owner/Operators for permit violations.

The ADDED OWNER/OPERATOR is:

Owner or Operator's Name: _____

Contact Name: _____

Company Name: _____

Company Name: _____

Owner or Operator's Phone: _____

Contact Phone: _____

Mailing Address: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

City: _____ State: _____ Zip Code: _____

I certify that I have personally examined and am familiar with the information described herein.

Added Owner/Operator's Signature: _____ Date: _____

Name (typed or printed): _____ Title: _____

TO BE COMPLETED BY KDOT

As original Owner/Operator for the authorized project indicated below, I hereby certify the above Added Owner/Operator meets the General Permit definition of Owner/Operator and agree to the shared responsibilities with the Added Owner/Operator under the General Permit and continuance of my responsibilities thereunder. I understand that the addition of the Added Owner/Operator to the permit is effective when KDHE authorizes the RJO form.

Name of Project: _____

Address: _____ City: _____ County: _____ State: KS Zip Code: _____

Kansas Permit No. _____ Federal Permit No. _____

Permittee Signature: _____ Date: _____

Permittee Name: _____ Title: _____ Phone Number: _____

Submit the RJO with original signatures to:

Kansas Department of Health and Environment
Bureau of Water, Industrial Programs Section
1000 SW Jackson, Suite 420
Topeka, KS 66612 - 1367

Authorized: Y; N

Reviewer _____ Date _____

**KANSAS DEPARTMENT OF TRANSPORTATION
SPECIAL PROVISION TO THE
STANDARD SPECIFICATIONS, 2015 EDITION**

SECTION 901

STORMWATER POLLUTION MANAGEMENT

901.1 DESCRIPTION

Design, implement, inspect and maintain appropriate best management practices to minimize or eliminate erosion, sediment and other pollutants in stormwater runoff from the project.

BID ITEMS	UNITS
SWPPP Design	Lump Sum
SWPPP Inspection	Each
Water Pollution Control Manager	Each
Stormwater Compliance Disincentive Assessment	Lump Sum

901.2 MATERIALS

None Required.

901.3 CONSTRUCTION REQUIREMENTS

a. Permits.

(1) Projects with 1.0 acre or more of erodible surface: KDOT (or the local governmental agency) will submit the Notice of Intent (NOI) for authorization to discharge stormwater runoff from construction activities in accordance with the Kansas Water Pollution Control General Permit. This authorization does not cover Contractor plant sites and Contractor-Furnished borrow and waste sites outside the project limits.

(2) Projects with less than 1.0 acre of erodible surface: Kansas General Permit coverage is not required. The Contractor is required to comply with **subsection 901.3b.** and use appropriate Best Management Practices (BMPs) to minimize stormwater pollution.

A Storm Water Pollution Prevention Plan (SWPPP) (**subsection 901.3c.**) is not required.

Inspection and Maintenance Reports (**subsection 901.3e.**) are not required.

A Water Pollution Control Manager (**subsection 901.3d.**) is not required.

Stormwater Erosion Control Conferences (**subsection 901.3f.**) are not required.

b. General. When Contractor-furnished borrow or plant sites are outside the project limits, obtain all required permits and clearances required for compliance, **SECTION 107.** Provide copies of all such permits and clearances to the Engineer.

Take all measures necessary to minimize or eliminate erosion, sediment and other pollutants in stormwater runoff from the project and project related borrow areas.

Assume responsibility for inspection and maintenance of all erosion and sediment control measures within the project limits, whether originally implemented by the Contractor, KDOT or a third party. Obtain information regarding the SWPPP and active Best Management Practices (BMPs) from the Area Engineer. Maintenance or removal of BMPs not installed by the Contractor may be considered Extra Work, **SECTION 104**, unless addressed by other items of the contract (e.g. sediment removal).

Install devices to establish a perimeter control of the project in areas where it is anticipated that stormwater runoff will leave the project. Install perimeter control devices prior to or simultaneously with the clearing and grubbing operations. Do not perform grading until perimeter control devices are in place and approved by the Engineer.

Unless requested in writing from the Contractor, and approved in writing by the Engineer, or specified otherwise in the Contract Documents, do not exceed 750,000 square feet of surface area of erodible earth material

per equipment spread at one time. The Engineer will limit the surface area of erodible earth material exposed by clearing and grubbing, excavation, borrow (within right-of-way) and embankment operations. Limit the exposed erodible earth material according to the capability and progress, and in keeping with the approved schedule.

Areas will not count toward the 750,000 square feet limit, when the following conditions are met:

For areas that will not be disturbed again due to project phasing:

- Finish grade the completed area;
- Stabilize and maintain stabilization according to **SECTION 902**; and
- Do not disturb the area again without a written request from the Contractor and written approval from the Engineer;

For areas that will be disturbed again due to project phasing:

- Rough grade; and
- Stabilize and maintain stabilization according to **SECTION 902**.

DO NOT clear and grub areas unless work will actively be performed in the exposed area (or portions of the exposed area) within 7 calendar days on exposed steep slope areas (40% or greater) or within 14 calendar days for all other exposed areas.

If areas are cleared and grubbed and not finish graded, not part of project phasing and no meaningful work toward the completion of the bid item is performed within the exposed area (or portions of the exposed area) for 7 calendar days on exposed steep slope areas (40% or greater) or 14 calendar days for all other exposed areas, stabilize and maintain stabilization of the exposed areas according to **SECTION 902** at no cost to KDOT.

If on-site or state-furnished off-site borrow areas are to be excavated below the ground water elevation, construct a temporary berm around the borrow area to prevent stormwater runoff from entering the excavated area.

Do not ford live streams with construction equipment.

Restrict construction operations in rivers, streams and other water impoundments to those areas that must be entered for the construction of temporary or permanent structures. Only use clean aggregate fill for temporary crossing, work platforms, etc. When no longer required, promptly remove all falsework, piling, temporary crossings and other obstructions caused by the construction.

Where practical, do not store equipment or materials (including soil stockpiles) within 50 feet of rivers, streams or other surface waters. Avoid storing equipment or materials (including soil stockpiles) in flowlines of ditches or other drainage courses. Where such storage is necessary, obtain the Engineer's written approval and include in the project SWPPP appropriate best management practices for the storage area.

Install and maintain temporary erosion and pollution control devices as shown in the Contract Documents, **SECTION 902**, the SWPPP and as directed by the Engineer.

Implement temporary erosion and pollution control with best management practices (BMPs) as described in the SWPPP.

At a minimum, perform the following:

- Use temporary best management practices to minimize or eliminate pollutant discharge resulting from the construction of the project;
- Use temporary best management practices to prevent contamination of adjacent streams or other watercourses, lakes, ponds or other areas of water impoundment;
- Coordinate temporary best management practices with the construction of permanent erosion control features to provide continuous erosion control;
- Schedule construction of drainage structures as soon as practicable;
- Schedule construction of permanent erosion control features as soon as practicable; and
- Immediately initiate placement of appropriate erosion control Best Management Practices (BMPs) in any exposed steep slope areas (40% or greater) where construction activities have permanently or temporarily ceased, and will not resume for a period exceeding 7 calendar days. For vegetative cover areas, in addition to seeding, watering, mulching, and any other required activities related to the planting and establishment of vegetation, utilize other appropriate erosion control practices such as geotextiles or erosion control mats.
- Immediately initiate temporary stabilization on areas that have been disturbed after construction activities have permanently ceased on that portion of the project site. Immediately initiate temporary stabilization measures on areas that have been disturbed after construction activities have temporarily ceased on that portion of the project site if construction activities will not resume for a period exceeding

14 calendar days. Temporary stabilization may include temporary seeding, geotextiles, mulches or other techniques to reduce or eliminate erosion until either final stabilization can be achieved or until further construction activities take place to re-disturb the area.

- Stabilization is initiated when physical work on the project to install stabilizing BMPs has begun. “Immediately” in the context of the above provisions has been defined by the EPA to mean “as soon as practicable, but no later than the end of the next work day, following the day when the earth-disturbing activities have temporarily or permanently ceased.” Prosecute stabilization work continuously and diligently until completed.

Notify the Engineer in writing within 24 hours of any chemical, sewage or other material spill which is required to be reported to the KDHE under part 10 of the NPDES permit. The notification shall include at a minimum the material spilled, location of the spill, and a description of containment or remediation actions taken. This notice to the Engineer does not relieve the Contractor of responsibility to report to the KDHE or to any other agency.

If temporary erosion and pollution control is not implemented and maintained according to this specification, the approved SWPPP, or the NPDES permit, the Area/Metro Engineer may suspend all or part of the work on the project until conditions are brought into compliance, as determined by the Area/Metro Engineer.

KDOT will not issue the Notice of Acceptance, **SECTION 105**, until all necessary maintenance, corrective actions, removal of unnecessary devices and temporary stabilization is completed for the project. Failure to complete this work within the contract time may result in liquidated damages, **SECTION 108**.

All SWPPP related documentation including the original SWPPP, all revisions/amendments, and inspection reports shall be retained by the Engineer upon Acceptance of the project.

c. Project Storm Water Pollution Prevention Plan (SWPPP). Before the preconstruction conference, submit to the Field Engineer a minimum of 3 original copies of the SWPPP. No contract work may begin until the Area/Metro Engineer has approved the SWPPP.

Design the SWPPP to comply with the NPDES permit for the project. At a minimum, the project SWPPP shall include:

- the SWPPP Inspection and Maintenance Report Forms (KDOT Form No. 247);
- The planned sequence of major construction activities;
- the Contractor's Erosion Control Site Plan;
- the SWPPP Contractor Certification Form 246. The Contractor and all subcontractors are required to certify that they understand the terms and conditions of the general NPDES permit. The Engineer will provide the SWPPP Certification Form (Form No. 246), or it can be found on the KDOT Internet;
- a copy of the Project Notice of Intent Form (NOI) for Stormwater Runoff from Construction Activities. (obtained from KDOT);
- An acknowledgement that State and Local requirements have been included in the SWPPP. Review all applicable permits (Corps of Engineers, Department of Agriculture, etc.) for special conditions affecting stormwater pollution control;
- Reference Contract Documents pertaining to temporary erosion and water pollution control. KDOT standard specifications, contractual special provisions and the policy on Storm Water Discharges can be found on the KDOT Internet at www.ksdot.org;
- A detailed description of Best Management Practices (BMPs) which will be used one or more times at the site for erosion and sediment control. Design, install and maintain BMPs to:
 - Control stormwater volume and velocity within the site;
 - Control stormwater discharges;
 - Minimize the amount of soil exposed during construction activity;
 - Minimize the disturbance of steep slopes (slopes of 40% or greater);
 - Minimize sediment discharges from the site;
 - Control discharges from sediment or soil stockpiles;
 - Minimize the generation of dust;
 - Minimize off-site tracking of soils;
 - Provide storm drain inlet protection for inlets down gradient of sites not fully stabilized or where construction will soon be started;

- Design, install, implement and maintain additional BMPs to minimize or eliminate contamination of stormwater runoff to:
 - Minimize discharge of pollutants from equipment and vehicle washing;
 - Minimize the exposure of construction waste, trash, pesticides, herbicides, detergents, sanitary waste and other materials present on the site to precipitation and to stormwater;
 - Minimize the discharge of pollutants from spills and leaks and implement chemical spill and leak prevention and response procedures;
 - BMPs in this category include but are not limited to:
 - Waste management including trash containers and regular site cleanup for proper disposal of solid waste such as scrap material, product/material shipping waste, food containers and cups;
 - Containers and proper disposal for waste paints, solvents, and cleaning compounds;
 - Portable toilets for proper disposal of sanitary waste;
 - Storage for construction materials away from drainage courses and low areas.

Update the erosion control site plan as work progresses to show changes due to revisions in work schedules or sequence of construction, or as directed by the Engineer. Update the site map to reflect erosion control devices that have been installed or removed.

d. Water Pollution Control Manager. Designate a Water Pollution Control Manager (WPCM) who shall visit the project during normal work hours on a frequent basis and at least once per week until all physical work is complete and the Engineer issues the Notice of Acceptance or a partial Notice of Acceptance. The required 180 day observation period for pavement markings is not considered to be physical work. The WPCM shall thoroughly review the project and SWPPP documentation during these site visits to verify the Contractor's compliance with this specification and with the NPDES permit. In addition, the WPCM shall:

- Have the authority to supervise all work performed by the Contractor and subcontractors that involves stormwater requirements or affects stormwater compliance;
- Have the responsibility to order Contractor employees and subcontractors to take appropriate corrective action to comply with stormwater requirements, including requiring any such person to cease or correct a violation of stormwater requirements and to order or recommend such other actions or sanctions as necessary to meet stormwater requirements;
- Be familiar with the Project SWPPP;
- Be responsible for updating the Project SWPPP and site maps to accurately reflect the BMPs in use on the project;
- Be the point of contact for KDOT regarding stormwater compliance;
- Have completed KDOT's Environmental Inspector Training (EIT) and Environmental Manager Training (EMT) programs within the 12 months prior to beginning construction activities. Maintain these certifications for the duration of the project;
- Review and sign SWPPP inspection reports within 3 days after receiving such reports, acknowledging awareness of any deficiencies and ensuring the correction of all deficiencies.
- Maintain and monitor an active email account capable of receiving electronic communications including inspection reports, photos and other documents relevant to stormwater compliance.

The WPCM may, when approved by the Engineer, perform SWPPP Inspections according to **subsection 901.3e.**

Immediately notify the Engineer in writing if the designated WPCM is replaced. The replacement WPCM shall comply with the above requirements, except that they shall have completed the training requirements within the 12 months prior to assuming WPCM duties. The notification shall include training certificates and contact information for the replacement WPCM.

e. SWPPP Inspections. The Contractor's Environmental Inspector shall have completed KDOT's Environmental Inspector Training (EIT) and maintain a current certification while performing SWPPP Inspections.

KDOT's Inspector and the Contractor's Environmental Inspector shall perform a joint inspection of the temporary erosion and pollution control devices every 14 days during normal work hours and within 24 hours of a rainfall event of $\frac{1}{2}$ inch or more. Continue inspections at this frequency until all physical work is complete and the

Engineer issues the Notice of Acceptance or a partial Notice of Acceptance. The required 180 day observation period for pavement markings is not considered to be physical work.

Document the SWPPP inspections on KDOT Form 247, (SWPPP Inspection and Maintenance Report). KDOT and Contractor Inspectors shall each sign the report.

Correct any deficiencies noted during a SWPPP Inspection within 7 days of the inspection despite weather conditions that make it difficult (but not impossible) to perform corrections. No additional time shall be granted for making corrections on the basis of weather unless it is physically impossible due to flooding or frozen ground conditions for the Contractor to complete the corrections within the 7 days allowed. No additional time will be granted to complete corrective actions unless approved by the Stormwater Compliance Engineer.

Submit completed copies of KDOT Form 247 to the Area/Metro Engineer and the Contractor's WPCM within 24 hours after an inspection has been made.

The WPCM shall review and sign the report within 3 calendar days of receiving the completed inspection report. The WPCM's signature acknowledges awareness of all reported deficiencies and corrective actions required to be taken within 7 calendar days of the inspection.

The Contractor Inspector's signature acknowledges awareness of all reported deficiencies and corrective actions required to be taken within 7 calendar days of the inspection.

The obligation to conduct formal inspections and complete an associated report every 14 days and within 24 hours of a rainfall event of $\frac{1}{2}$ inch or more does not limit or otherwise modify the Contractor's obligation to monitor and maintain temporary erosion and pollution control devices daily.

f. Stormwater Erosion Control Conferences. Each project shall have a stormwater erosion control pre-construction conference before the start of construction activities.

KDOT and the Contractor shall also hold stormwater erosion control conferences before the start of each major phase of construction and before the winter shutdown period begins.

These conferences shall be attended by the KDOT Area/Metro Engineer, the WPCM, and Environmental Inspector(s) for the Project, and any erosion control subcontractor(s). The attendance sheet and minutes of the conference will be kept in the SWPPP notebook.

g. Stormwater Compliance Disincentive Assessment. If the Contractor's Environmental Inspector fails to perform a SWPPP Inspection as required according to **subsection 901.3e.** the Contractor shall be liable for a disincentive assessment. The disincentive assessment charged and owing shall be \$250 for each inspection not performed. Failure to participate in the joint inspection does not relieve the Contractor of the responsibility to correct deficiencies noted by KDOT's Inspector.

If deficiencies noted during SWPPP inspections performed according to **subsection 901.3e.** are not corrected within 7 calendar days of the inspection, the Contractor shall be liable for a disincentive assessment. The disincentive assessment charged and owing shall be fifty dollars (\$50) per day for each deficiency not corrected.

Should an event causing flooding or frozen ground conditions make it impossible to perform corrections within the allowed time, notify the Area/Metro Engineer and the Stormwater Compliance Engineer within 48 hours of the event. Within 3 days of the notification, submit in writing an explanation and description of the reasons for the delay; the anticipated duration of the delay; all actions taken or to be taken to prevent or minimize the delay; and a schedule for implementation of any measures to be taken to prevent or mitigate the delay. Include with the submittal any relevant documentation supporting the claim that the delay is due to impossible conditions and that best efforts were made to complete the required corrections and to minimize any delay to the extent possible. No additional time will be granted to submit the required information unless approved in writing by the Stormwater Compliance Engineer.

The Engineer will deduct and withhold from contract funds the Stormwater Compliance Disincentive Assessment under **subsection 901.3g.** The assessments are to be computed in the same manner as damages under **SECTION 108** (Liquidated Damages and Disincentive Assessments) except calendar days include Sundays, Holidays and the Winter Holiday Period. If contract funds are insufficient, the Contractor shall pay KDOT the balance owed. If the Contractor fails to pay KDOT the amount owed within 10 days after demand from KDOT, the Contractor shall be considered in breach of contract under **SECTION 108.**

The disincentive assessments under **subsection 901.3g.** are in addition to federal and state statutory penalties and fines that are allowed against the Contractor under the Clean Water Act and other environmental laws for violations of those laws. See also **subsection 901.3h.**

h. Penalties and Fines. Nothing in **SECTION 901** prevents KDHE, EPA or both from assessing penalties and fines against the Contractor because of the Contractor's failure to comply with applicable laws, regulations, ordinances, NPDES permit, other permits, the SWPPP, governmental administrative compliance orders or corrective orders for the Project, or a combination thereof.

Nothing in this **SECTION 901** prevents KDHE, EPA, or both from assessing penalties and fines against the Contractor because of the Contractor's failure to comply with an administrative claims settlement or consent decree that governs KDOT projects and that is included in the Proposal Form or that is added "Extra Work", **SECTION 104**.

Understand that penalties/fines may be imposed against KDOT, the Contractor, or both because of "shared" responsibility/liability under applicable environmental law, regulations, ordinances; the NPDES permit, other permits, the SWPPP, administrative corrective action orders, administrative claims settlements, consent decrees, legal judgments or a combination thereof. The Contractor shall have no claim that such shared responsibility/liability voids the Contractor's liability for disincentive assessments under **subsection 901.3g**. or for penalties/fines under **subsection 901.3h**.

901.4 MEASUREMENT AND PAYMENT

The Engineer will measure each SWPPP inspection performed in compliance with this specification.

The Engineer will measure each Water Pollution Control Manager (WPCM). Each is defined as each calendar week (Sunday-Saturday) that the Contractor provides a WPCM according to **subsection 901.3.d**. Each week will be measured only once, regardless of the number of site visits or time spent performing WPCM duties for that week.

The Engineer will measure SWPPP design for payment as a lump sum upon the Area Engineer's approval. All revisions or updates to the SWPPP shall be subsidiary.

The Engineer will assess disincentives under the bid item "Stormwater Compliance Disincentive Assessment" by the Lump Sum.

01-08-16
Apr-16 Letting

APPENDIX F

Electronic Inspection Report Approval

Jason Van Nice [KDOT]

From: Garcia, Delia <Garcia.Delia@epa.gov>
Sent: Tuesday, May 19, 2015 11:28 AM
To: Jason Van Nice
Cc: Nazar, Kristen
Subject: RE: Electronic Inspection Reporting

Jason,

Paragraph 20 of the U.S. v KDOT Consent Decree (13-cv-04069), allows for the inspection form to be amended prior to the termination of the Decree without amending the Decree as long as the parties agree to it in writing. With this email, we are granting KDOT's request to utilize a combination of physical and electronic inspection reporting systems (SWIM database) to conduct and/or maintain records of their inspections. Thanks

Delia Garcia, PhD
Environmental Scientist
WWPD/WENF
US EPA Region 7
11201 Renner Boulevard
Lenexa, KS 66219
Phone: (913) 551-7262 FAX: (913) 551-9262
Email: Garcia.Delia@epa.gov

From: Jason Van Nice [mailto:jasonv@ksdot.org]
Sent: Monday, May 18, 2015 9:35 AM
To: Garcia, Delia
Cc: Nazar, Kristen
Subject: RE: Electronic Inspection Reporting

Delia,

Thanks for the response. The SWIM database does not track individual BMPs. Items requiring maintenance or corrective action are tracked and the system requires those follow-up actions to be documented when they are completed. It does allow for entry of observations without action required. Those observations are kept in the database but there is no follow-up documentation required. This feature is intended to allow the inspector to document good performance or to highlight areas of possible future maintenance needs.

Many of our inspections are currently being documented using tablets or similar technology in the field. Our staff does not typically have this equipment, but most of our contractors do. Now that our contractors are required to jointly participate in these site inspections, many of them are utilizing this technology to make the documentation more efficient. In some cases we also use consultant inspectors who have or have access to tablet computers for this purpose. Regardless of whether they are using a computer or a paper form during the inspection, they are required to use the updated SWPPP site map during the inspection to verify that the map is current and to ensure that all required BMPs are installed and inspected.

Ideally I would like the flexibility to use the SWIM report by itself as the inspection documentation. Information on individual BMPs such as installation and removal dates would still be documented, but not included in the inspection reports or kept in the database. A template would be provided (similar to the form 247 tables) for that purpose. This information would also serve us as documentation to justify payments to the

contractor. This method would be best suited to those projects where the inspection report is being entered directly into a tablet or laptop. SWIM does include a document management system which allows the storage of uploaded documents. The inspectors would be required to periodically (e.g. every 60 days) upload an updated inventory.

Another option would be to use the SWIM report together with a simplified paper form. I've attached a draft version of what the simplified form might look like. The idea here is that the paper form would serve as a guide or checklist for the inspectors during the inspections. The information required for the SWIM report would then be entered based on the paper form.

Please let me know if I can provide additional clarification or if you have any other questions.

Thanks again,

JVN

From: Garcia, Delia [<mailto:Garcia.Delia@epa.gov>]
Sent: Friday, May 15, 2015 11:51 AM
To: Jason Van Nice
Cc: Nazar, Kristen
Subject: RE: Electronic Inspection Reporting

Jason,

Thanks for your patience, I have reviewed the materials and have a few questions. You indicated that the SWIM system does not allow for the inventory of all installed BMPs to be stored. What is being tracked then? Is it only the bmps that require maintenance/ repair. Would form 247 (with the full inventory of bmps) still be used in the field for conducting inspections? Or will the inspectors be issued tablets/laptops for performing inspections in the field? Thanks

Delia Garcia, PhD
Environmental Scientist
WWPD/WENF
US EPA Region 7
11201 Renner Boulevard
Lenexa, KS 66219
Phone: (913) 551-7262 FAX: (913) 551-9262
Email: Garcia.Delia@epa.gov

From: Jason Van Nice [<mailto:jasonv@ksdot.org>]
Sent: Wednesday, April 08, 2015 8:59 AM
To: Garcia, Delia
Cc: Nazar, Kristen
Subject: FW: Electronic Inspection Reporting

Delia,

As mentioned in my recent annual report, we have been developing an electronic stormwater inspection reporting system. As you know, one of the requirements of the consent decree is that all of our inspection reports be documented on the KDOT form 247 which was included as an appendix to the decree. The decree does allow the form to be amended if approved by EPA. I am writing to request approval to use the new system to generate, store and track our site inspection reports.

The system, Stormwater Inspection Manager (SWIM), is modeled on the ECO Database currently used by the Nebraska Department of Roads for their projects. Although the Nebraska system was used as a starting

point, the developer worked with us to customize it to better fit our organization and also to accommodate requirements specific to our program and to the consent decree. In particular, we included a process for both the KDOT Area Engineer and the Contractor's Water Pollution Control Manager (WPCM) to review and acknowledge receipt of each inspection report.

The attached documents are intended to provide an idea of how the inspection reports look and some of the features of the software. Attachments #1 and #2 are an example of a typical site inspection documented on the standard form 247 and in SWIM. Attachments #3 and #4 are similar, but for an oversight inspection. Attachment #5 shows what an inspector might see when logging into the software and viewing the corrective action log for their projects. The software package also includes a web portal which allows the user to generate a number of reports based on their role (Area Engineer, Inspector, WPCM etc.) and access level. The "Quick Start Guide" included as attachment #6 shows some of the options available to our Area Engineers.

The software is capable of sending email reminders for items coming due as well as alerts for missed deadlines. All documented deficiencies are tracked in the system and can be viewed by appropriate personnel. Project permissions can be granted to individuals based on a particular project (for Inspectors and Contractors), for a geographic area (Area Engineers and District staff), or statewide (headquarters staff).

Of course, there are a few differences with the SWIM reports. The security requirements currently allow only one inspector signature instead of the two on the paper form. It is intended that the KDOT Inspector sign the form electronically and document the presence or absence of the contractor inspector. The electronic signature process also validates the KDOT inspector ID number to verify a current training certification. Another significant difference between the paper form 247 and the electronic inspection reports is that the full list of installed BMPs is not included in the SWIM system. This inventory of BMPs will be required to be kept separately as a part of the SWPPP documentation, but was not feasible to include in the reporting software. SWIM does include the capability to store documents related to each project such as the initial approved SWPPP, preconstruction meeting notes, SWPPP modifications, etc. and an updated inventory sheet will be among the required documents electronically stored. This document storage feature also greatly increases the ability of KDOT headquarters staff to review and monitor documentation without visiting each project.

I am requesting permission to use the SWIM system as an approved alternative to the paper forms included in the consent decree. We have done some testing to verify the basic functionality but more extensive use is needed to refine and further develop the capabilities of this system. If approved, we will select a number of projects to implement the program immediately on a trial basis. If successful we will continue to add projects to the system as this new process is refined. I believe this will benefit KDOT greatly with record-keeping, communication, and data tracking related to our stormwater compliance program.

If you have any questions or wish to discuss this request in greater detail please contact me at your convenience.

Thank you for your consideration,

Jason Van Nice, PE
Stormwater Compliance Engineer
KDOT – Bureau of Construction and Materials
785-368-7263 – Office
785-250-4793 – Cell
711 - Hearing Impaired

 please consider the environment before printing this email

APPENDIX G

Standard Drawings and Landscape Information Form

LANDSCAPE INFORMATION FORM
GENERAL NOTES

1. This form is intended as a guide to the designer and not as a substitute for engineering judgement. The designer is responsible to be familiar with all applicable guidelines, manuals, and specifications and to apply them appropriately.
2. The quantities shown on this form are intended to be an estimate of landscape items to be used on a project. Actual quantities may vary in the field - as determined by the SWPPP.
3. This form is intended to be transmitted to the Environmental Services Section - Landscape Unit for their use in preparing Landscape plans.
4. Information for the development of this form was gathered from the following locations:

a. The KDOT Road Design Manual

- Parts A & B (Roadway)
- Part C (Drainage)

b. The Standard Specifications

c. Standard Drawings

d. KDOT Temporary Erosion Control Manual

For more information regarding KDOT landscape practices visit:

<http://www.ksdot.org/burconsmain/Connections/swppp.asp>

5. Cells are color coded as follows:



Grey cells are input fields



Yellow cells are automatically computed

LANDSCAPE INFORMATION FORM

GENERAL INFORMATION

Complete Project Number:	<input type="text"/>	Road Design Leader:	<input type="text"/>
Project Letting Date:	<input type="text"/>	Road Design Contact Person:	<input type="text"/>
Requested Completion Date:	<input type="text"/>	Bridge Project Manager:	<input type="text"/>
		Area Engineer:	<input type="text"/>

PERMANENT SEEDING

1. Total Disturbed Area ^a :	<input type="text"/> Acres	2. Total Impervious Area ^b :	<input type="text"/> Acres
3. Width of Shoulder Mix ^c :	<input type="text"/> Feet/Side	4. Median Present:	<input type="text"/>
5. Area of Shoulder Mix ^d :	<input type="text"/> Acres	6. Area of Other Mix:	<input type="text"/> 0 Acres
7. Mulch Tacking Slurry:	<input type="text"/> 0 Acres	<input type="text"/> 0 Pounds (Rate = 900 Pounds/Acre)	
8. Mulching:	<input type="text"/> 0 Tons	(Rate = 2 Tons/Acre) (Acres of Seeding X 1.5 X 2 Tons/Acre)	
9. Sensitive Areas ^e :	<input type="text"/>		
10. Special Seeding/Sodding ^f :	<input type="text"/>		

Notes:

- a. This includes the area within the construction limits (including surfaced areas) AND cultivated area (cropland) OR disturbed area outside of the construction limits up to the proposed right of way line. If the Total Disturbed Area is \geq 1 acre, then include the bid items "SWPPP Design", "SWPPP Inspection", and "Water Pollution Control Manager".
- b. Impervious area includes all paved and aggregate surfaced areas. It *does not* include the turf portion of shoulders.
- c. Typically 15 feet for 2-lane roads and 30 feet for 4-lane roads. Coordinate with Area Engineer.
- d. Includes outside roadsides, turfed portions of shoulders, and turfed portion of the median.
- e. Describe locations where mitigation features may be needed (i.e. wetland impacts, endangered species habitat, eagle trees, stream/riparian impacts, stream stabilization)
- f. Describe locations where special seed mixes may be required (i.e. low maintenance areas, moist soils, special request seed mixes). Describe possible sod locations (Urban, residential areas, raised medians, etc.)

TEMPORARY EROSION CONTROL

Item	Quantity	Unit	Notes
Class I Slope Protection			
Type C	0	SQ YD	See Worksheet A
Type D	0	SQ YD	See Worksheet A
Class II Channel Liner			
Type E	0	SQ YD	See Worksheet B
Type F	0	SQ YD	See Worksheet B
Type G	0	SQ YD	See Worksheet B
Type H	0	SQ YD	See Worksheet B
Type I	0	SQ YD	See Worksheet B
Type J	0	SQ YD	See Worksheet B
Geotextile (Erosion Control)	0	SQ YD	Contact Bridge Project Manager for Quantities. ** See Bridge Tab for Quantities and Location Information**
Ditch Check (ROCK)	0	CU YD	See Worksheet C
Ditch Check (NON-ROCK)	0	LF	See Worksheet C
20" Biolog	0	LF	Based on 50% Ditch Check (NON-ROCK)
18" Filter Sock	0	LF	Based on 50% Ditch Check (NON-ROCK)
Slope Interruption (Non-Perimeter Control)	0	LF	See Worksheet D
9" Biolog	0	LF	Based on 30% Slope Interruption (Non-perimeter Control)
12" Biolog	0	LF	Based on 40% Slope Interruption (Non-perimeter Control)
12" Filter Sock	0	LF	Based on 30% Slope Interruption (Non-perimeter Control)
Slope Interruption (Perimeter Control)	0	LF	
Silt Fence	0	LF	Based on 30% Slope Interruption (Perimeter Control)
20" Biolog	0	LF	Based on 40% Slope Interruption (Perimeter Control)
18" Filter Sock	0	LF	Based on 30% Slope Interruption (Perimeter Control)
Total Silt Fence	0	LF	
Total 9" Biolog	0	LF	
Total 12" Biolog	0	LF	
Total 20" Biolog	0	LF	
Total 12" Filter Sock	0	LF	
Total 18" Filter Sock	0	LF	
Temporary Inlet Sediment Barrier		EA	Report one per inlet (excluding curb inlets). See Schedule of Ditch Inlets and Schedule of Inlets and Manholes.
Filter Sock 8"		LF	Report "L" LF per curb inlet (See LA852C for filter sock and RD646 for example "L" dimension). See Schedule of Ditch Inlets and Schedule of Inlets and Manholes.
Temporary Berm (Set Price)	1	LF	See Worksheet E
Temporary Slope Drain	0	LF	See Worksheet E
Temporary Sediment Basin	0	CU YD	See Worksheet F
Temporary Stream Crossings		EA	Only if required by permit (rare). This does not include Shoofly Detours or crossings for contractor convenience.
Mulching	0	TON	Quantity for Temporary & Permanent Seeding

WORKSHEET A

CLASS I: SLOPE PROTECTION

Page 1 of

Project Number:

Notes:

¹Reference Soils/Geology Reports for special instructions regarding erosion control

²Include special requirements from ESS (i.e. degradable erosion mats for wildlife)

³Specify Class I Slope protection as indicated by the following table. These requirements also apply to temporary slopes. See also Std. Spec. 2113, "Erosion Control Materials" and Standard Drawing LA855.

Type	Soil Type	Use Class I Slope Protection on 1) slopes steeper than 3:1, 2) Along channel change sideslopes, 3) Around drainage structure inlets & outlets (see LA855), 4) Other as coordinated with ESS.
Type C	Clay Soils	
Type D	Sandy Soils	

WORKSHEET A

CLASS I: SLOPE PROTECTION

Page 2 of

Project Number:

Notes:

¹Reference Soils/Geology Reports for special instructions regarding erosion control

²Include special requirements from ESS (i.e. degradable erosion mats for wildlife)

³Specify Class I Slope protection as indicated by the following table. These requirements also apply to temporary slopes. See also Std. Spec. 2113, "Erosion Control Materials" and Standard Drawing LA855.

Type	Soil Type	Use Class I Slope Protection on 1) slopes steeper than 3:1, 2) Along channel change sideslopes, 3) 10' either side of drainage structures (assume 10' wide)(inlet & outlet), 4) Other as coordinated with ESS.
Type C	Clay Soils	
Type D	Sandy Soils	

WORKSHEET A

CLASS I: SLOPE PROTECTION

Page 3 of

Project Number:

Notes:

¹Reference Soils/Geology Reports for special instructions regarding erosion control

²Include special requirements from ESS (i.e. degradable erosion mats for wildlife)

³Specify Class I Slope protection as indicated by the following table. These requirements also apply to temporary slopes. See also Std. Spec. 2113, "Erosion Control Materials" and Standard Drawing LA855.

Type	Soil Type	Use Class I Slope Protection on 1) slopes steeper than 3:1, 2) Along channel change sideslopes, 3) 10' either side of drainage structures (assume 10' wide)(inlet & outlet), 4) Other as coordinated with ESS.
Type C	Clay Soils	
Type D	Sandy Soils	

WORKSHEET A

CLASS I: SLOPE PROTECTION

Page 4 of

Project Number:

Notes:

¹Reference Soils/Geology Reports for special instructions regarding erosion control

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³Specify Class I Slope protection as indicated by the following table. These requirements also apply to temporary slopes. See also Std. Spec. 2113, "Erosion Control Materials" and Standard Drawing LA855.

Type	Soil Type	Use Class I Slope Protection on 1) slopes steeper than 3:1, 2) Along channel change sideslopes, 3) 10' either side of drainage structures (assume 10' wide)(inlet & outlet), 4) Other as coordinated with ESS.
Type C	Clay Soils	
Type D	Sandy Soils	

WORKSHEET B
CLASS II: CHANNEL LINER

Page 1 of
Project Number:

Notes:

¹Reference Soils/Geology Reports for special instructions regarding erosion control

²Include special requirements from ESS (i.e. degradable erosion mats for wildlife)

³Specify Class II Slope protection as indicated by the following table. See KDOT Road Design Manual, Part C "Elements of Drainage and Culvert Design" for procedures to compute shear stresses. "Avg. Width" = wetted perimeter. See also Std. Spec. 2113, "Erosion Control Materials" and Standard Drawing LA856.

Type	Duration	Shear Stress, τ_d
Type E	Short-term (≤ 5 years)	up to 2 lbs/sq ft
Type F	Short-term (≤ 5 years)	up to 4 lbs/sq ft
Type G	Long-term (> 5 years)	up to 6 lbs/sq ft
Type H	Long-term (> 5 years)	up to 8 lbs/sq ft
Type I	Long-term (> 5 years)	up to 10 lbs/sq ft
Type J	Long-term (> 5 years)	up to 12 lbs/sq ft

WORKSHEET B
CLASS II: CHANNEL LINER

Page 2 of
Project Number:

Notes:

¹Reference Soils/Geology Reports for special instructions regarding erosion control

²Include special requirements from ESS (i.e. degradable erosion mats for wildlife)

³Specify Class II Slope protection as indicated by the following table. See KDOT Road Design Manual, Part C "Elements of Drainage and Culvert Design" for procedures to compute shear stresses. See also Std. Spec. 2113, "Erosion Control Materials" and Standard Drawing LA856.

Type	Duration	Shear Stress, τ_d
Type E	Short-term (≤ 5 years)	up to 2 lbs/sq ft
Type F	Short-term (≤ 5 years)	up to 4 lbs/sq ft
Type G	Long-term (> 5 years)	up to 6 lbs/sq ft
Type H	Long-term (> 5 years)	up to 8 lbs/sq ft
Type I	Long-term (> 5 years)	up to 10 lbs/sq ft
Type J	Long-term (> 5 years)	up to 12 lbs/sq ft

WORKSHEET B
CLASS II: CHANNEL LINER

Page 3 of
Project Number:

Notes:

¹Reference Soils/Geology Reports for special instructions regarding erosion control

²Include special requirements from ESS (i.e. degradable erosion mats for wildlife)

³Specify Class II Slope protection as indicated by the following table. See KDOT Road Design Manual, Part C "Elements of Drainage and Culvert Design" for procedures to compute shear stresses. See also Std. Spec. 2113, "Erosion Control Materials" and Standard Drawing LA856.

Type	Duration	Shear Stress, τ_d
Type E	Short-term (≤ 5 years)	up to 2 lbs/sq ft
Type F	Short-term (≤ 5 years)	up to 4 lbs/sq ft
Type G	Long-term (> 5 years)	up to 6 lbs/sq ft
Type H	Long-term (> 5 years)	up to 8 lbs/sq ft
Type I	Long-term (> 5 years)	up to 10 lbs/sq ft
Type J	Long-term (> 5 years)	up to 12 lbs/sq ft

WORKSHEET B
CLASS II: CHANNEL LINER

Page 4 of
Project Number:

Notes:

¹Reference Soils/Geology Reports for special instructions regarding erosion control

²Include special requirements from ESS (i.e. degradable erosion mats for wildlife)

³Specify Class II Slope protection as indicated by the following table. See KDOT Road Design Manual, Part C "Elements of Drainage and Culvert Design" for procedures to compute shear stresses. See also Std. Spec. 2113, "Erosion Control Materials" and Standard Drawing LA856.

Type	Duration	Shear Stress, τ_d
Type E	Short-term (≤ 5 years)	up to 2 lbs/sq ft
Type F	Short-term (≤ 5 years)	up to 4 lbs/sq ft
Type G	Long-term (> 5 years)	up to 6 lbs/sq ft
Type H	Long-term (> 5 years)	up to 8 lbs/sq ft
Type I	Long-term (> 5 years)	up to 10 lbs/sq ft
Type J	Long-term (> 5 years)	up to 12 lbs/sq ft

WORKSHEET C

DITCH CHECKS

Page 1 of

Project Number:

Notes:

¹Ditch Checks (Non-Rock) will be placed at every 2 FT drop in ditch flowline and at outlets into existing waterways. Each Ditch Check (Non-Rock) is estimated as 20 LF.

²Ditch Checks (Rock) will be placed at every 3 FT drop in the ditch flowline and at outlets into existing waterways. Each Ditch Check (ROCK) is estimated at 14.2 CU YDS.

³Do not place Ditch Checks (Rock) within the clear zone.

⁴See Standard Drawings LA852E, LA852F, & LA852G.

Slope	Located In Rock Cut?	Ditch Check Type
Flatter than 6%	No	Non-Rock
6% or steeper	No	Rock
All slopes	Yes	Rock

WORKSHEET C

DITCH CHECKS

Page 2 of

Project Number:

Notes:

¹Ditch Checks (Non-Rock) will be placed at every 2 FT drop in ditch flowline and at outlets into existing waterways. Each

²Ditch Checks (Rock) will be placed at every 3 FT drop in the ditch flowline and at outlets into existing waterways. Each

³Do not place Ditch Checks (Rock) within the clear zone.

⁴See Standard Drawings LA852E, LA852F, & LA852G.

Slope	Located In Rock Cut?	Ditch Check Type
Flatter than 6%	No	Non-Rock
6% or steeper	No	Rock
All slopes	Yes	Rock

WORKSHEET C

DITCH CHECKS

Page 3 of

Project Number:

Notes:

¹Ditch Checks (Non-Rock) will be placed at every 2 FT drop in ditch flowline and at outlets into existing waterways. Each

²Ditch Checks (Rock) will be placed at every 3 FT drop in the ditch flowline and at outlets into existing waterways. Each

³Do not place Ditch Checks (Rock) within the clear zone.

⁴See Standard Drawings LA852E, LA852F, & LA852G.

Slope	Located In Rock Cut?	Ditch Check Type
Flatter than 6%	No	Non-Rock
6% or steeper	No	Rock
All slopes	Yes	Rock

WORKSHEET C

DITCH CHECKS

Page 4 of

Project Number:

Notes:

¹Ditch Checks (Non-Rock) will be placed at every 2 FT drop in ditch flowline and at outlets into existing waterways. Each

²Ditch Checks (Rock) will be placed at every 3 FT drop in the ditch flowline and at outlets into existing waterways. Each

³Do not place Ditch Checks (Rock) within the clear zone.

⁴See Standard Drawings LA852E, LA852F, & LA852G.

Slope	Located In Rock Cut?	Ditch Check Type
Flatter than 6%	No	Non-Rock
6% or steeper	No	Rock
All slopes	Yes	Rock

WORKSHEET D

SLOPE INTERRUPTION

Page 1 of

Project Number:

Notes:

¹Slope interruptions will be placed parallel to the roadway on side slopes (foreslopes and back slopes). One slope interruption will be placed for every 10 FT of elevation difference for slope heights of 10 FT or greater (i.e. #Slope interruptions = Round Down(Slope Height/10)).

²Perimeter Control: An additional Slope interruption will be placed at the toe of fill slopes that are graded to drain off the right of way (i.e. no ditch provided) regardless of fill height.

³See Standard Drawing LA852D.

WORKSHEET D

SLOPE INTERRUPTION

Page 2 of

Project Number:

Notes:

¹Slope interruptions will be placed parallel to the roadway on side slopes (foreslopes and back slopes). One slope interruption will be placed for every 10 FT of elevation difference for slope heights of 10 FT or greater (i.e. #Slope interruptions = Round Down(Slope Height/10)).

²Perimeter Control: An additional Slope Interruption will be placed at the toe of fill slopes that are graded to drain off the right of way (i.e. no ditch provided) regardless of fill height.

³See Standard Drawing LA852D.

WORKSHEET D

SLOPE INTERRUPTION

Page 3 of

Project Number:

Notes:

¹Slope Interruptions will be placed parallel to the roadway on side slopes (foreslopes and back slopes). One slope interruption will be placed for every 10 FT of elevation difference for slope heights of 10 FT or greater (i.e. #Slope interruptions = Round Down(Slope Height/10)).

²Perimeter Control: An additional Slope Interruption will be placed at the toe of fill slopes that are graded to drain off the right of way (i.e. no ditch provided) regardless of fill height.

³See Standard Drawing LA852D.

WORKSHEET D

SLOPE INTERRUPTION

Page 4 of

Project Number:

Notes:

¹Slope Interruptions will be placed parallel to the roadway on side slopes (foreslopes and back slopes). One slope interruption will be placed for every 10 FT of elevation difference for slope heights of 10 FT or greater (i.e. #Slope interruptions = Round Down(Slope Height/10)).

²Perimeter Control: An additional Slope Interruption will be placed at the toe of fill slopes that are graded to drain off the right of way (i.e. no ditch provided) regardless of fill height.

³See Standard Drawing LA852D.

WORKSHEET E

TEMPORARY BERMS

Project Number:

Notes:

¹Temporary Berms will be constructed where runoff is directed to the top of fill or cut slopes with over 30 FT of elevation difference between the top and toe of the slope. The designer should consider locations where temporary easements may be required to accommodate temporary berms.

²Temporary Slope Drains will be used to carry runoff down slopes. For each berm use one drain per 1000 FT of berm (beginning at the berm outlet). Temporary Slope Drains are computed based on 125 FT per drain.

³For projects with less than 2000 FT of temporary berm, the bid item "Temporary Berm (Set Price)" will be shown with a quantity of 1 LF. For projects with 2000 FT or more temporary berm, the bid item "Temporary Berm" will be used with the computed quantity.

⁴See Standard Drawing LA852B for details of temporary berms and temporary slope drains.

NOTE: Temp. Berm Quantity For Information Only - Bid as (Set Price) item

WORKSHEET F

TEMPORARY SEDIMENT BASINS

Project Number:

Notes:

¹Provide Sediment Basins wherever 10 acres or more of disturbed area flows to a single location.

²When used, provide 3600 CU FT of storage per acre of disturbed area drained to the sediment basin. Where this is not feasible, the designer should work with ESS on lower storage criteria.

³Temporary sediment basin quantities are based on the volume of soil excavated to construct the basin (whether to excavate a sump or to construct an outlet berm). Do not apply a VMF, pay for compaction or account for sediment basin earthwork in the project earthwork quantities.

⁴The designer should provide temporary sediment basin layouts in the plans and provide adequate temporary easements to accommodate their construction. See Standard Drawing LA852H for Sediment Basin Details.

GEOTEXTILE (EROSION CONTROL)

Project Number:

Notes: _____

¹Bridge Project Manager will complete this information and calculate quantities.

²The TOTAL Geotextile (Erosion Control) quantity and location(s) will be reported on LA852A.

³See Standard Specification 1710 Geosynthetics for more information.

⁴Install geotextile (erosion control) as a temporary measure to protect steep slopes and other areas where timely installation of the permanent (aggregate or concrete) slope protection is impractical. The installation area should be free of rills, rocks, clods or other debris. Secure geotextile to the ground with staples or other similarly effective methods to achieve uniform contact with minimal "tenting". Remove geotextile prior to placement of the permanent slope protection.

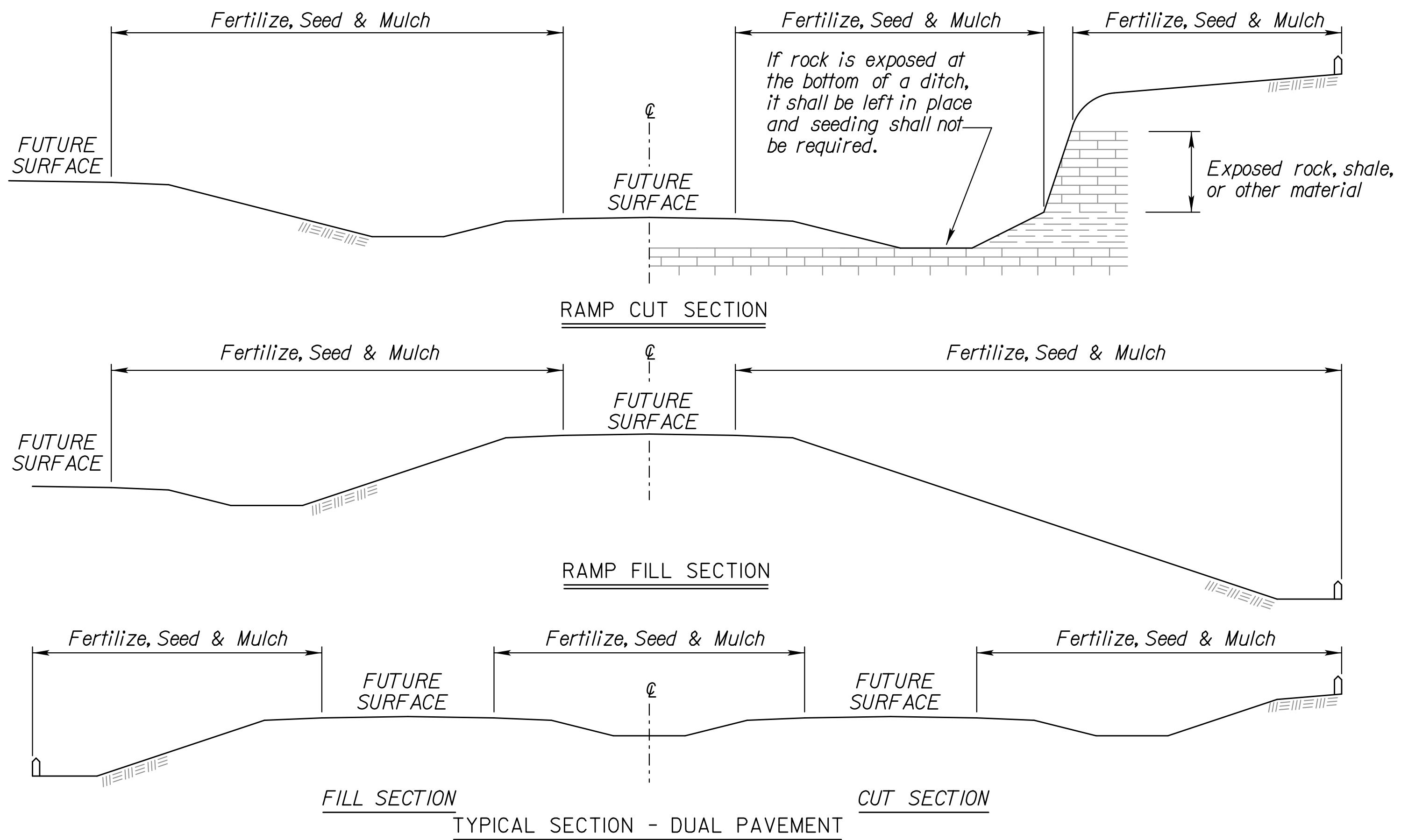
TOTAL:		Sq. Yds

TOTAL:		Sq. Yds

TOTAL:		Sq. Yds

TOTAL:		Sq. Yds

TOTAL ALL GEOTEXTILE (EROSION CONTROL) =	0	SQ. YDS
--	---	---------



FERTILIZER: A ratio and application rate that equals or exceeds the required minimum rate per acre of N, P₂O₅, K₂O listed in Summary of Quantities will be acceptable.

- * - N = Nitrogen Rate of Application
- ** - P_2O_5 = Phosphorous Rate of Application
- *** - K_2O = Potassium Rate of Application

The Contractor will be required to finish areas of excavation, borrow and embankment in accordance with the specifications. Areas that require installation or construction of temporary water pollution control items will be finished in reasonable close conformity to the alignment, grade and cross section shown on the plans or as established by the Engineer.

GENERAL NOTES

The entire disturbed area, excepting the paved or surfaced areas, steep rocky slopes and areas of undisturbed native sod or other desirable vegetation shall be fertilized (limed when required), seeded, and mulched. Soil preparation shall conform to the Standard Specifications.

Temporary seeding shall be done during any time of the year that the soil can be cultivated. After the temporary seeding has been completed on the entire project, permanent seeding shall be done during the normal seeding season.

MULCHING: Mulch shall be spread uniformly over all disturbed areas and punched in the soil, unless otherwise noted on the plans. The rate of application per acre, thickness in place, for the mulching materials is as follows:

$1\frac{3}{4}$ - $2\frac{1}{4}$ Tons per Acre = $1\frac{1}{2}$ " loose depth spread uniformly over acre.

Agricultural products, such as native prairie hay, used for mulching and erosion control practices, excluding wood based mulch, shall meet the North American Weed Free Forage Standards.

Other vegetative mulches are acceptable only with the Engineer's concurrence.

The above rate is a guide. It will be at the discretion of the Engineer to determine what rate is sufficient for adequate protection of newly seeded areas.

SUMMARY OF SEEDING / EROSION CONTROL QUANTITIES

P.L.S. RATE/ ACRE		ACRES		BID ITEM	QUANTITY	UNIT
CLT	SL/CH	CLT	SL/CH			
				Temporary Fertilizer (* - ** - ***)		LB
				Temporary Seed (Canada Wildrye)		LB
				Temporary Seed (Grain Oats)		LB
				Temporary Seed (Sterile Wheatgrass)		LB
				Soil Erosion Mix		LB
				Temporary Seeding		LS
				Erosion Control (Class 1, Type Y)		SQ YD
				Erosion Control (Class 2, Type Y)		SQ YD
				Sediment Removal (Set Price)	1	CU YD
				Synthetic Sediment Barrier		LF
				Temporary Berm (Set Price)	1	LF
				Temporary Ditch Check (Rock)		CU YD
				Temporary Inlet Sediment Barrier		EACH
				Temporary Sediment Basin		CU YD
				Temporary Slope Drain		LF
				Temporary Stream Crossing		EACH
				Biodegradable Log (9")		LF
				Biodegradable Log (12")		LF
				Biodegradable Log (20")		LF
				Filter Sock (****)		LF
				Geotextile (Erosion Control)		SQ YD
				Silt Fence		LF
				SWPPP Design †		LS
				SWPPP Inspection †		EACH
				Water Pollution Control Manager †		EACH
900 lbs / acre				Mulch Tacking Slurry		LB
2 tons / acre				Mulching		TON
				Water (Erosion Control) (Set Price)	1	MGAL

NOTE: Projects less than 1 acre shall be bid as "Seeding" by the lump sum. All disturbed areas shall be seeded, fertilized and mulched at the listed rate per acre. The acres are estimated.

Geotextile (Erosion Control) shall be removed prior to placement of permanent slope protection.

Beagreen and Quick Guard are the approved sterile wheatgrass products.

If the total disturbed area of the project, not just the seeding area, is 1 acre or more, then these bid items must be included.

**** List size of material

The amount of mulch and mulch tacking slurry in the bid quantities is estimated. The estimated quantity includes mulching associated with both temporary and permanent seeding operations. The total mulch and mulch tacking slurry required shall be determined in the field. The bid item for mulching and mulch tacking slurry shall be paid for according to the Standard Specifications.

The Soil Erosion Mix is to be placed under the Class 1 and/or Class 2 erosion control material.

3	2/01/17	Revised Standard	MRD	SHS
2	6/01/16	Revised Standard	MRD	SHS
1	4/06/15	Revised Standard	MRD	SHS
NO.	DATE	REVISIONS	BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION

Λ852Λ

HWA APPROVAL 6/15/2016 **APP'D** **Scott H. Shields**
DESIGNED MRD **DETAILED** MRD **QUANTITIES** CADD
DESIGN CK. SHS **DETAIL CK.** SHS **QUAN.CK.** CADD CK.

STATE	PROJECT NO.	YEAR	sheet no.	Total Sheets
KANSAS				

Std. Base File:
Plotted By: *rlong* Plot Location: *Bridge Design*
File#: *d052r-ec.dgn* (*1d052r-ec*)
Plot Date: 20-SEP-2010 07:37

NO.	DATE	REVISIONS	BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION

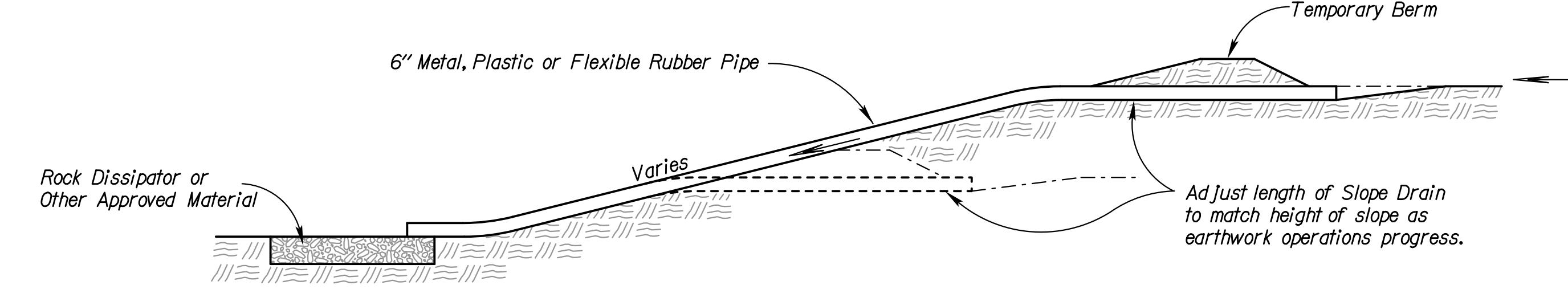
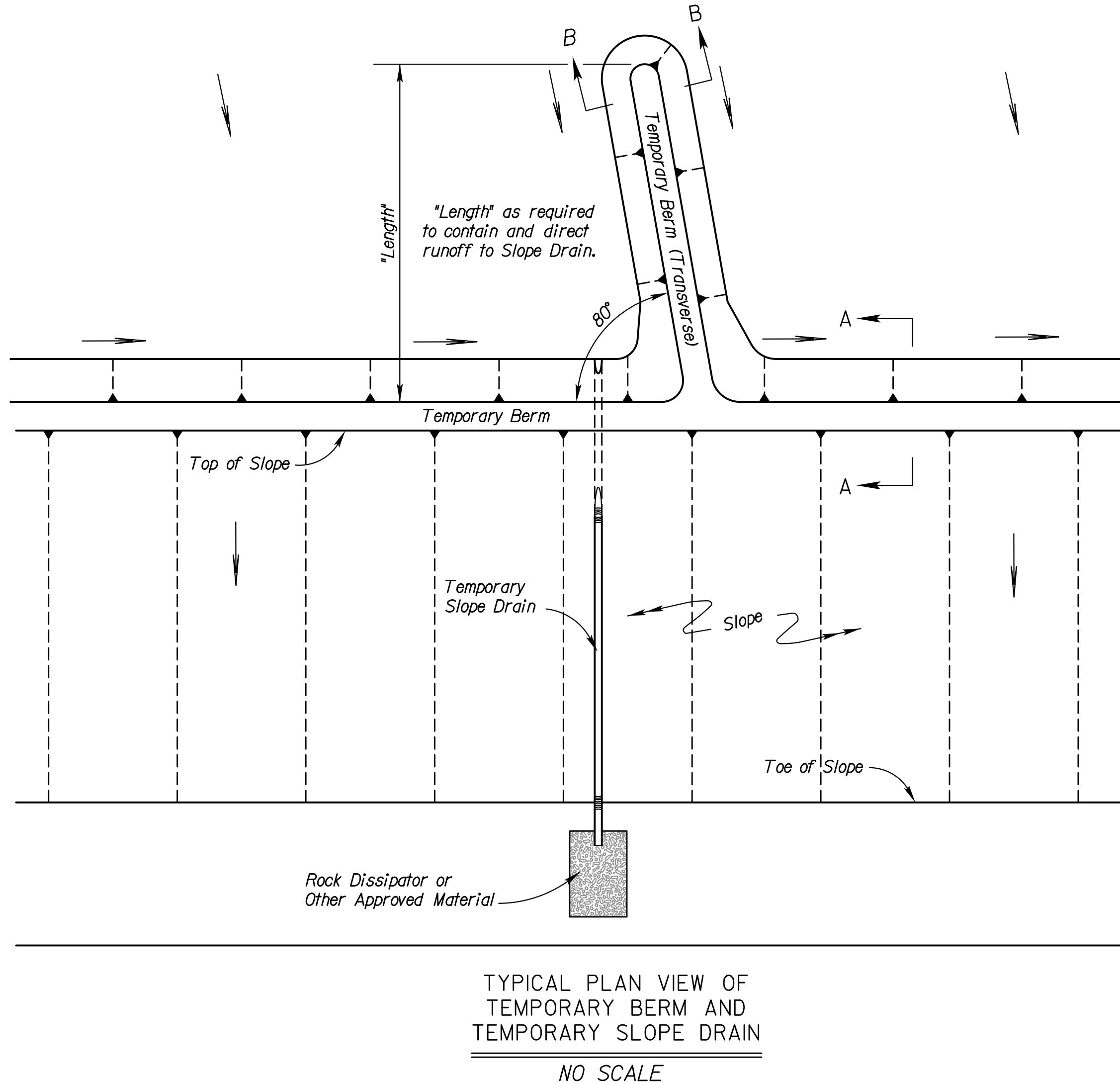
EROSION CONTROL SEEDING-SODDING

LA852A-EC

FHWA APPROVAL	1/04/2006	APP'D	Scott H. Shields
DESIGNED	MMR	DETAILED	MMR
DESIGN CK.	SHS	DETAIL CK.	QUANT.CK.
			CADD CK.
			SHS

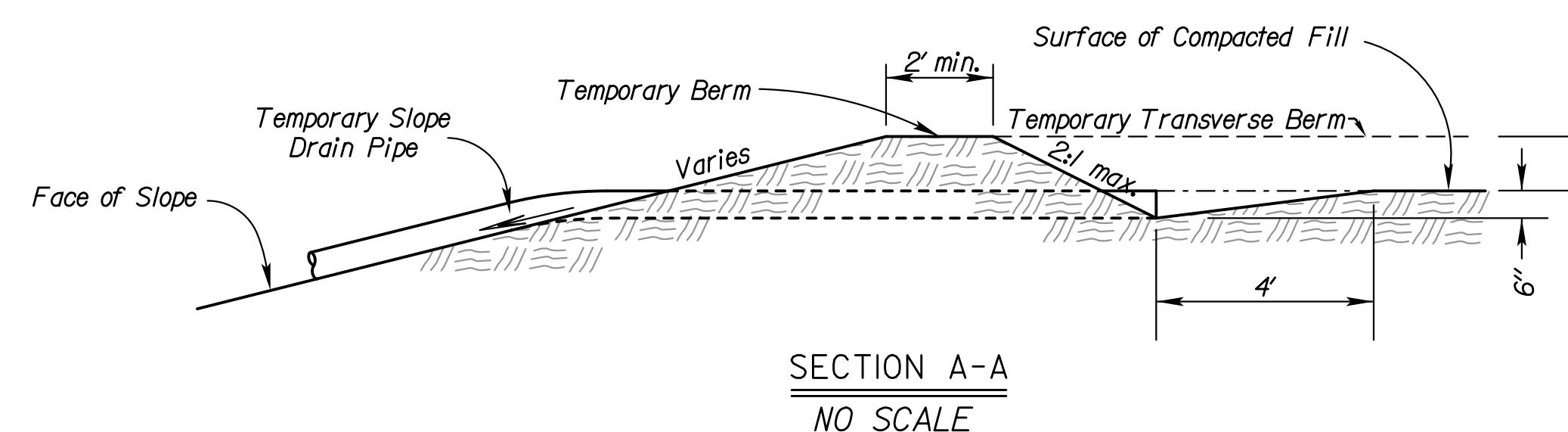
CADconform Certify This File

STATE	PROJECT NO.	YEAR	sheet no.	TOTAL SHEETS
KANSAS	Project No.	20XX	0	0

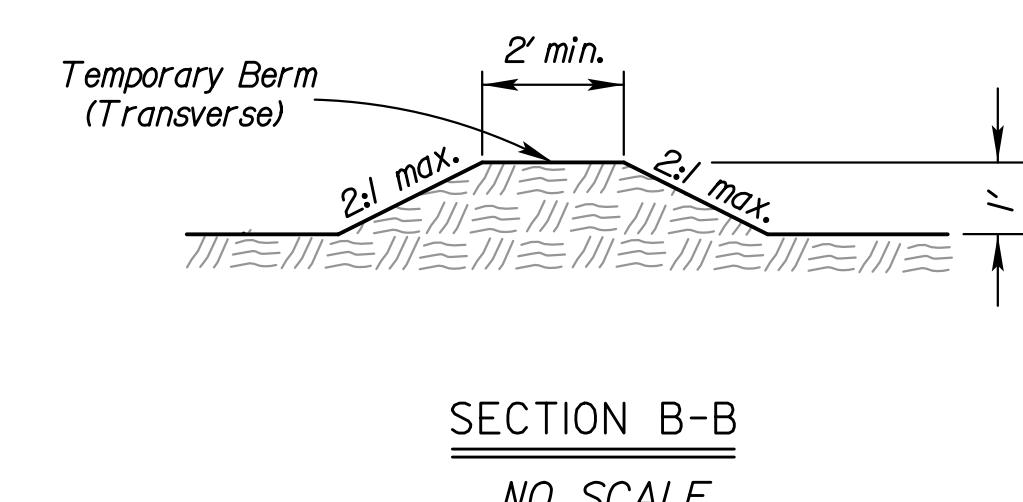


- NOTES:**
- 1) Temporary Slope Drain and Temporary Berm may be used on either project foreslopes or project backslopes.
 - 2) Discharge of Slope Drains shall be into stabilized ditch or area, or into Sediment Basin.
 - 3) Pipe shall be secured in place as approved by Engineer.
 - 4) Temporary Berms under 2,000 feet shall be bid by Set Price.

TYPICAL PROFILE OF TEMPORARY SLOPE DRAIN
NO SCALE

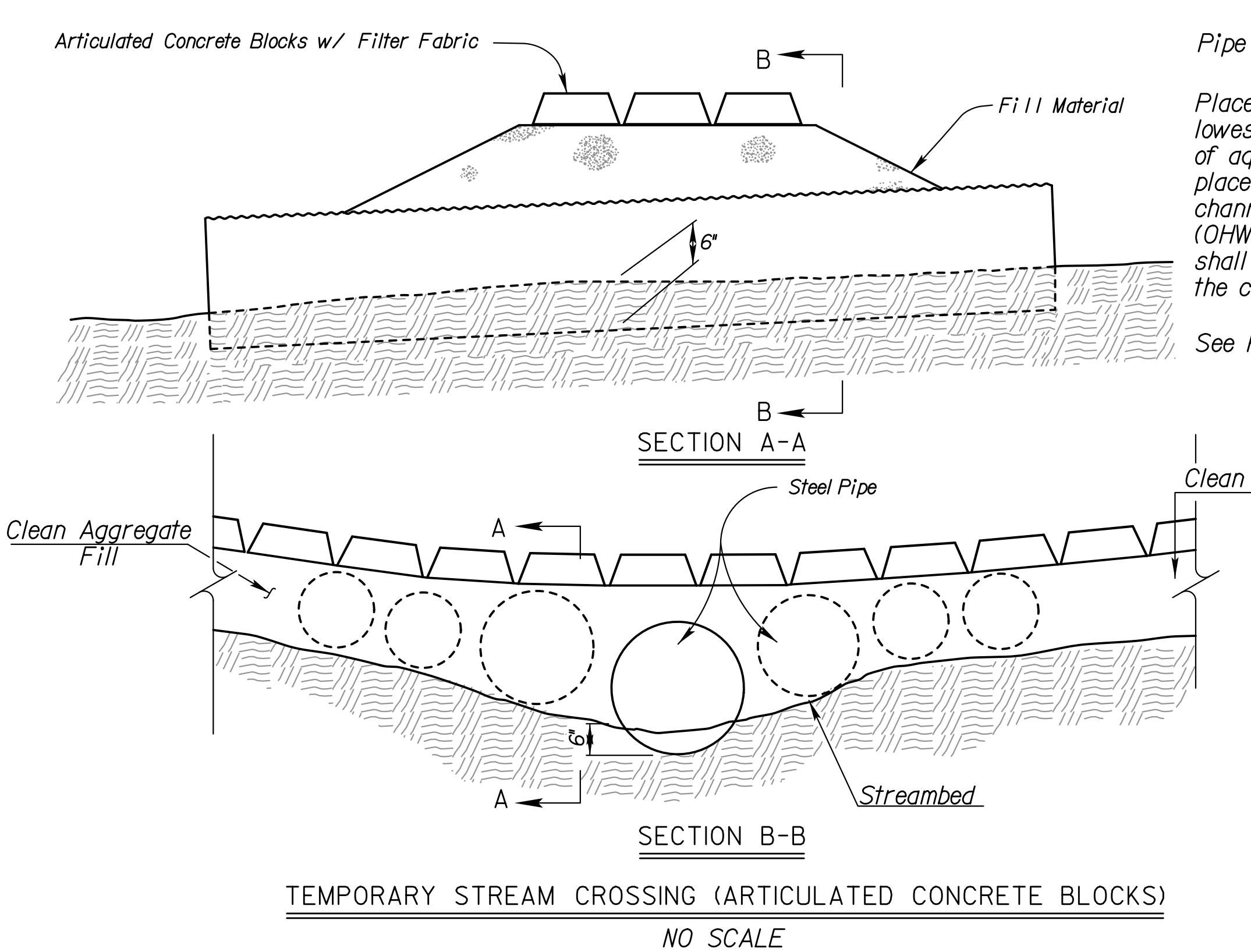


SECTION A-A
NO SCALE

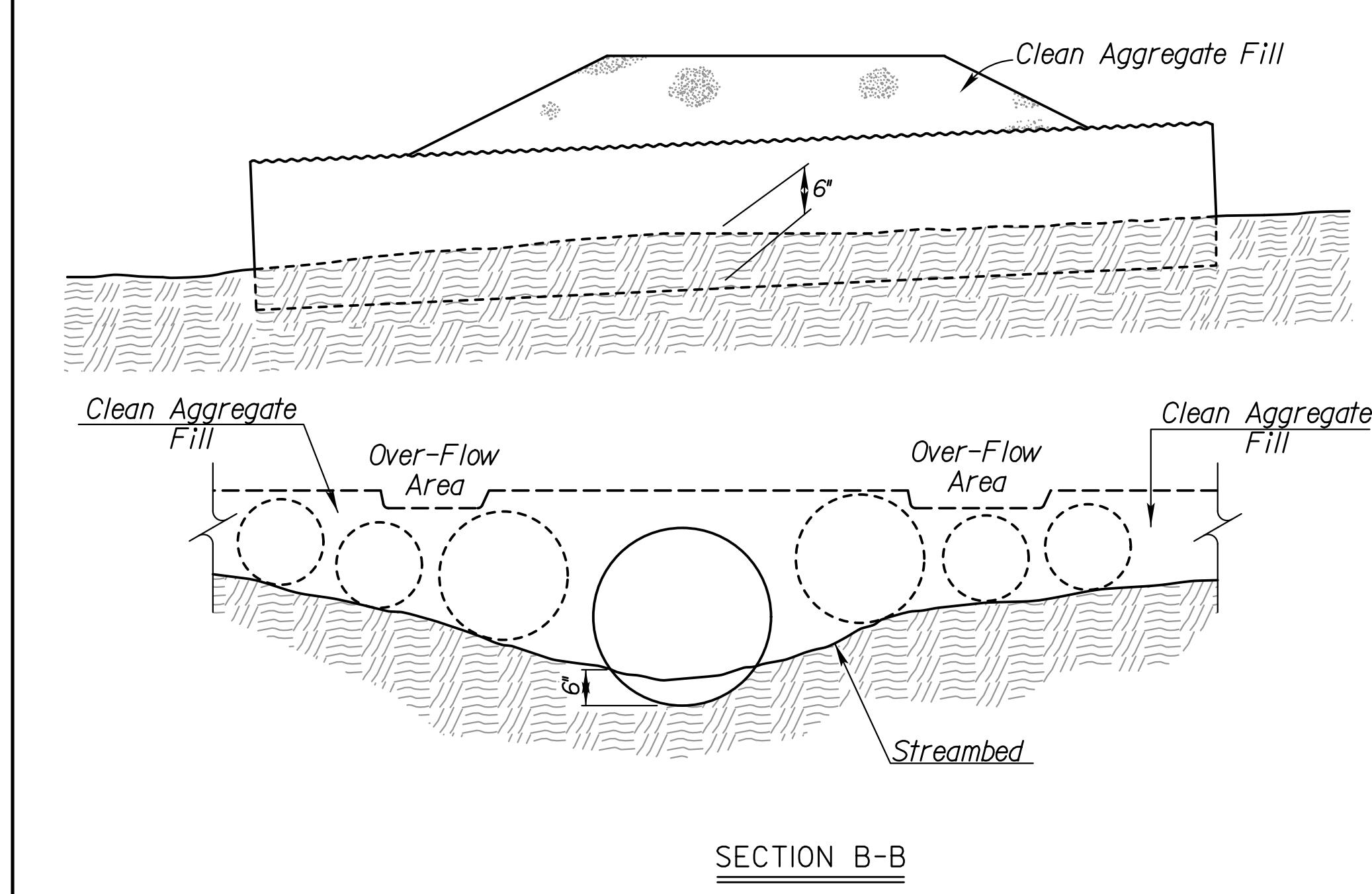


SECTION B-B
NO SCALE

TYPICAL PROFILE OF TEMPORARY BERM
NO SCALE



Pipe size may vary
Place 1 pipe buried 6" into stream bottom, in the lowest point of the channel to allow the passage of aquatic organisms, with additional pipes placed along the remainder of the stream channel bottom such that ordinary high water (OHW) flows designated in the Contract Documents shall flow through the pipes without overtopping the crossing.
See KDOT Specifications for more information

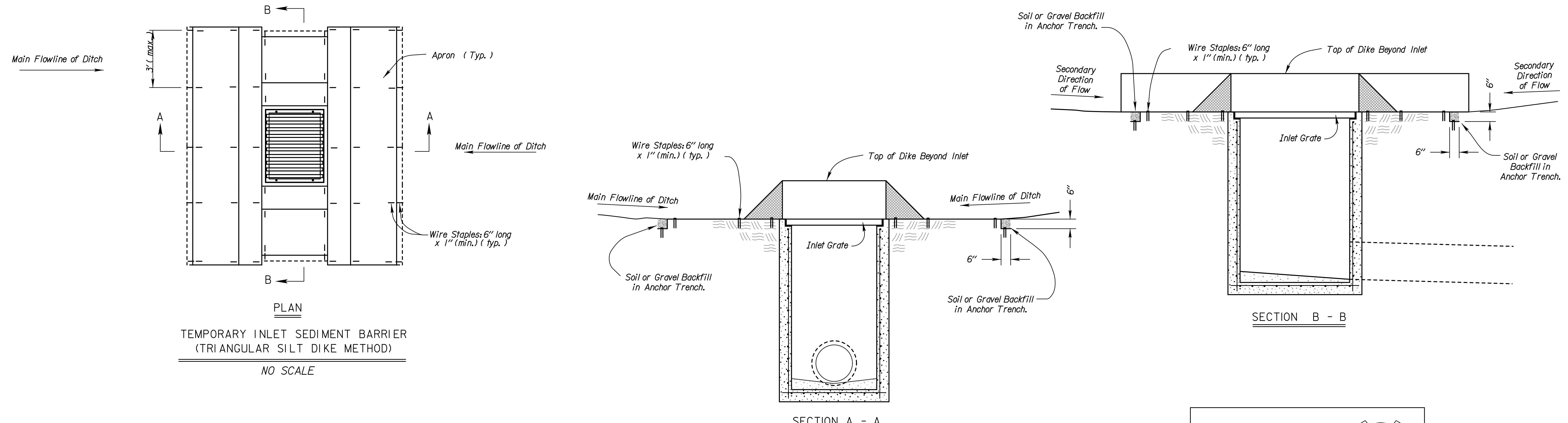


3	6/11/13	Revised Standard	MRM	SHS
2	11/01/10	Revised Standard	MRM	SHS
1	10/15/10	Revised Standard	WCL	RDR

KANSAS DEPARTMENT OF TRANSPORTATION
TEMPORARY EROSION AND POLLUTION CONTROL
TEMPORARY SLOPE DRAIN
TEMPORARY STREAM CROSSING (AGGREGATE)
TEMP. STREAM CROSS. (ARTC. CONC. BLOCKS)
LA852B

FHWA APPROVAL	II/08/2010	APP'D	Scott H. Shields
DESIGNED	MRM DETAILED	QUANTITIES	CADD
DESIGN CK.	SHS DETAIL CK.	QUAN.CK.	CADD CK.

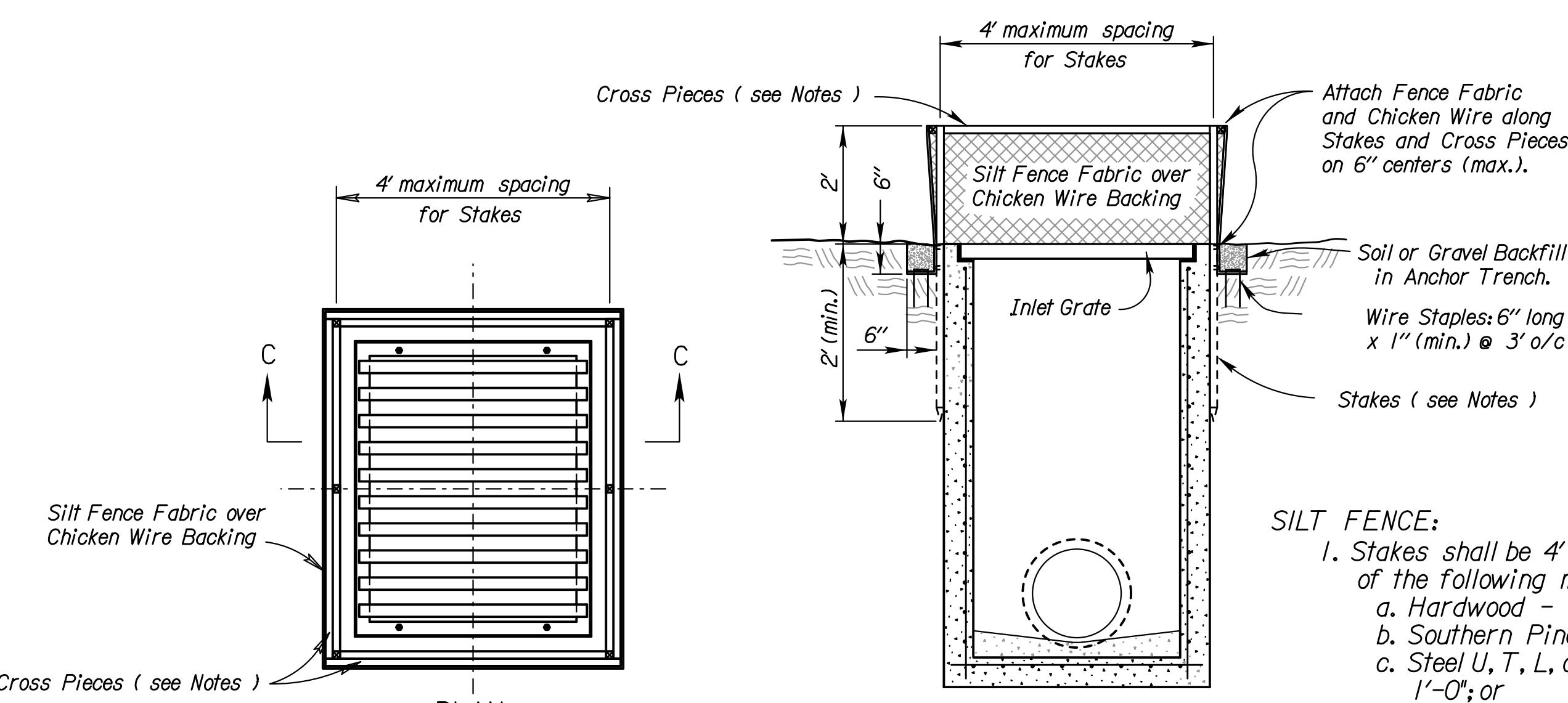
STATE	PROJECT NO.	YEAR	HEET NO.	TOTAL SHEETS
KANSAS	Project No.	20XX	0	0



TEMPORARY INLET SEDIMENT BARRIER
(TRIANGULAR SILT DIKE METHOD)

NO SCALE

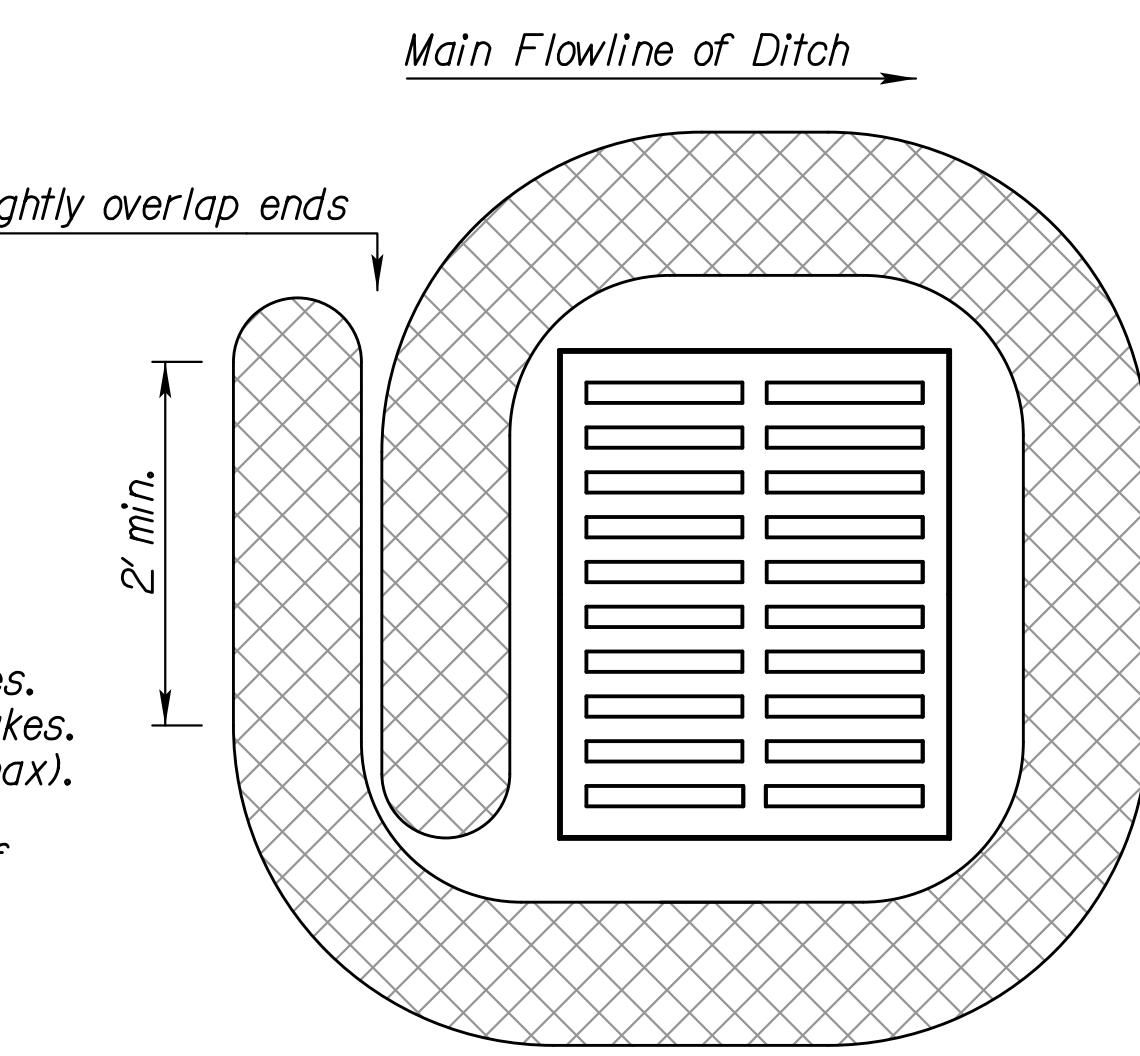
SECTION A - A



TEMPORARY INLET SEDIMENT BARRIER
(SILT FENCE METHOD)

NO SCALE

- SILT FENCE:**
1. Stakes shall be 4' (min.) long and of one of the following materials:
 - a. Hardwood - 1 3/16" x 1 3/16";
 - b. Southern Pine (No. 2) - 2 5/8" x 2 5/8";
 - c. Steel U, T, L, or C Section - .95 lbs. per 1'-0";
 - d. Synthetic - same strength as wood stakes.
 2. Cross pieces shall be of same material as stakes.
 3. Attach fence fabric securely on 6" centers (max).
 4. Use of high flow material is acceptable.
 5. Refer to plan sheets to estimate the length of silt fence required.
- CURB INLET PROTECTION**
1. If multiple gravel bags are required, place them in such a way that no gaps are evident.
 2. Height of bags (8" minimum diameter) must not be above top of curb.
 3. Alternative products may be used other than gravel bags such as the "Gutter Buddy". Products must be approved by the Engineer.
 4. Curb inlet protection will be measured and paid for as Filter Sock.



BIODEGRADABLE LOG/FILTER SOCK
DROP INLET PROTECTION

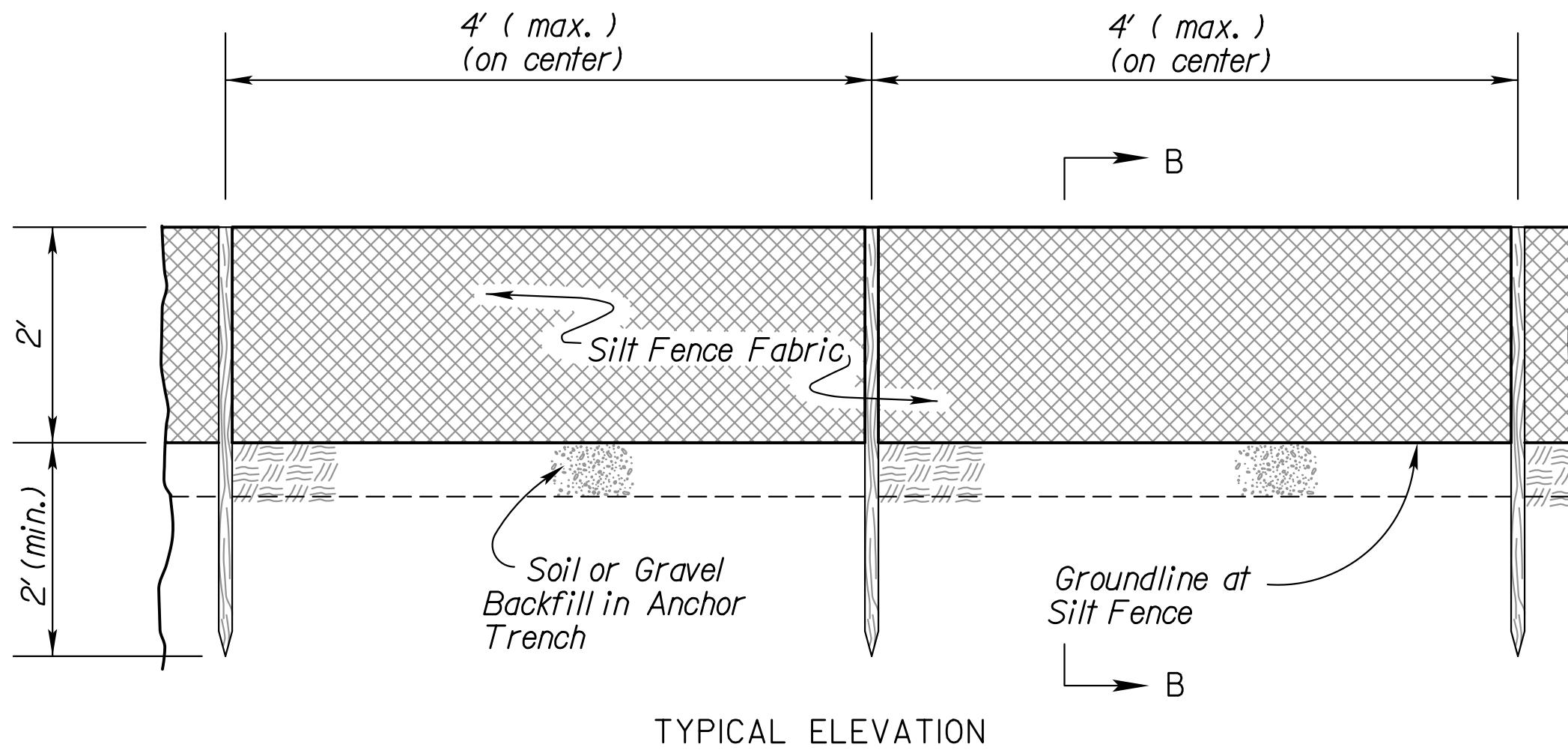
Material Requirements				
Use 100% shredded mulch or other non-compost biodegradable material as fill for logs.			RA	SHS
No compost or fines.			MRM	SHS
No hay or straw.			MRM	SHS
Do not use material which prohibits water infiltration.			BY	APP'D
Log Mesh: Use mesh with 1/4" openings or larger. Mesh must allow water infiltration but also hold fill material in place.				

3	3/01/15	Revised Standard	RA	SHS
2	6/01/13	Revised Standard	MRM	SHS
I	3/01/13	Revised Standard	MRM	SHS
NO.	DATE	REVISIONS	BY	APP'D

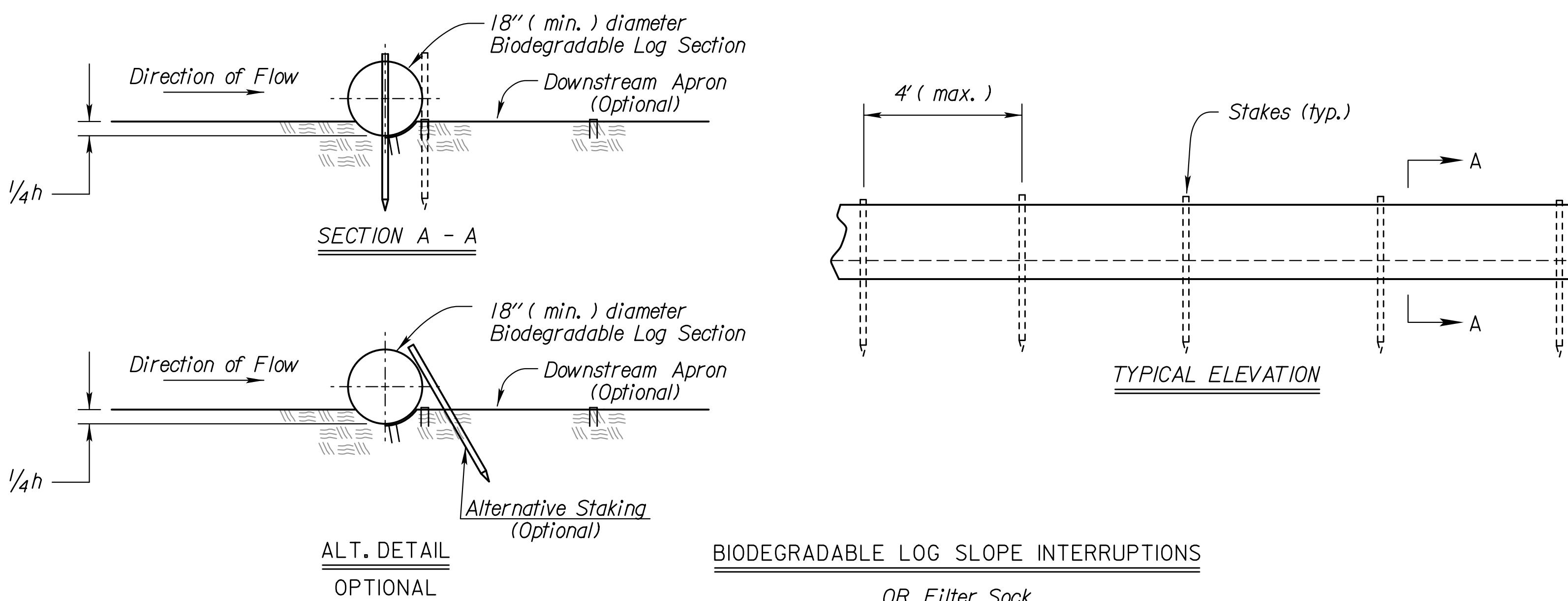
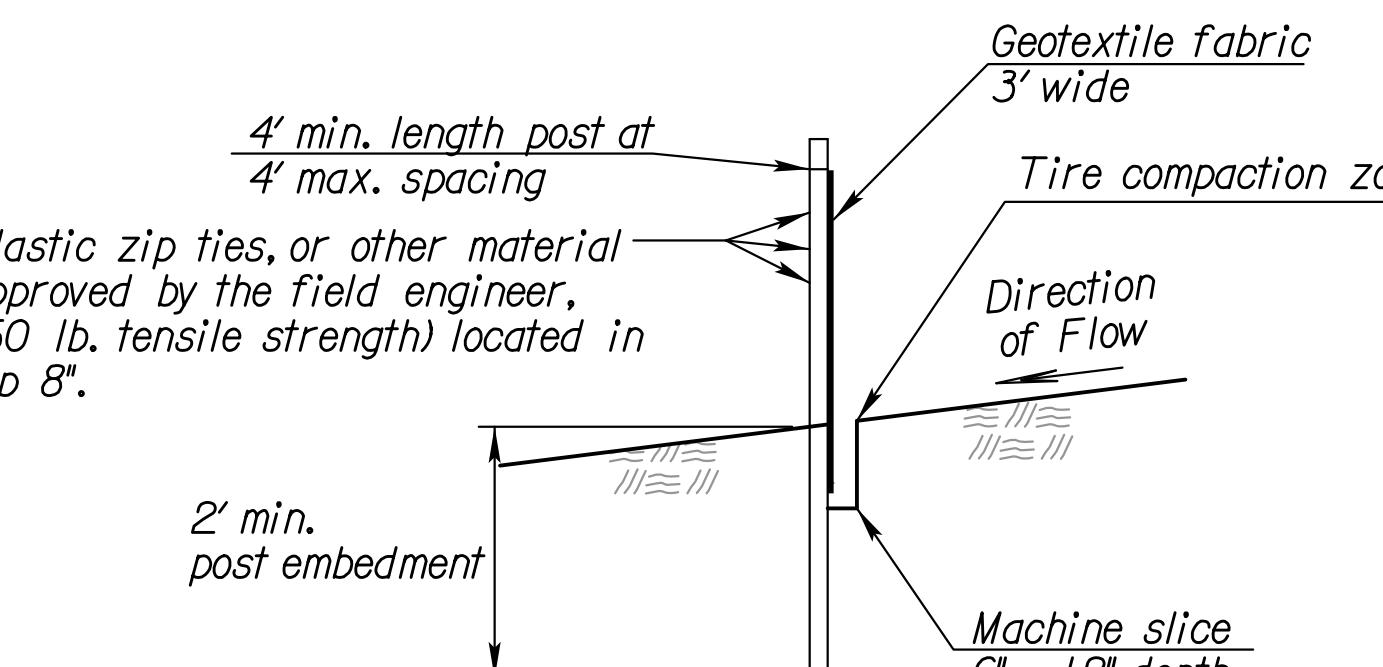
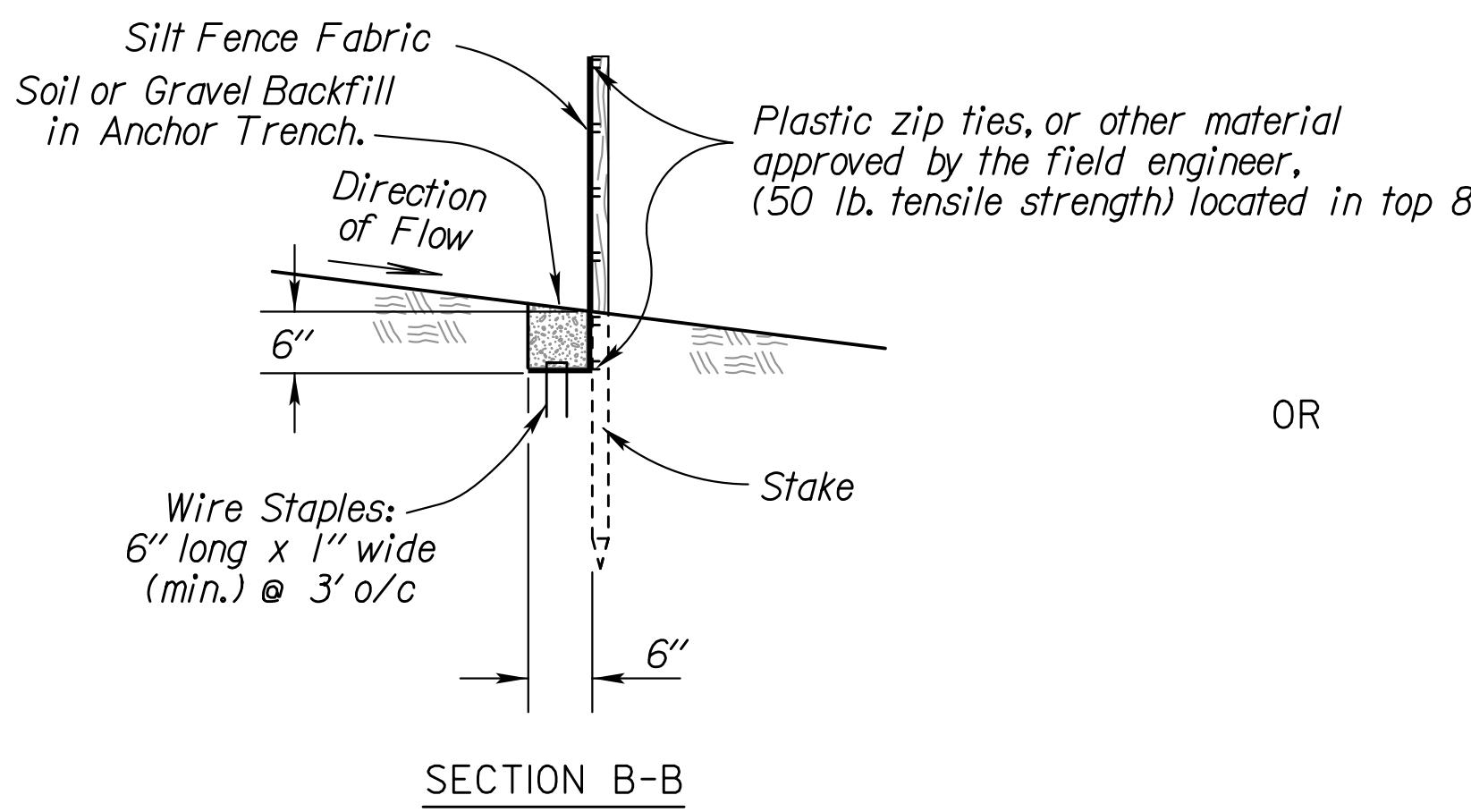
KANSAS DEPARTMENT OF TRANSPORTATION
TEMPORARY EROSION AND POLLUTION CONTROL
TEMP. INLET SEDIMENT BARRIER (SILT FENCE)
TEMP. INLET SEDIMENT BARRIER (T.S.D.)
CURB INLET PROTECTION
DROP INLET PROTECTION

FHWA APPROVAL 3/10/2015 APP'D Scott H. Shields
DESIGNED RA DETAILED RA QUANTITIES CADD
DESIGN CK. SHS DETAIL CK. SHS QUAN.CK. CADD CK.

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	Project No.	20XX	0	0



SILT FENCE BARRIER
NO SCALE



INSTALLATION NOTES

SILT FENCE:

1. Stakes shall be 4' (min.) long and of one of the following materials:
 - a. Hardwood - 1 3/16" x 1 3/16";
 - b. Southern Pine (No. 2) - 2 5/8" x 2 5/8";
 - c. Steel U, T, L, or C Section - .95 lbs. per 1'-0"; or
 - d. Synthetic - same strength as wood stakes.
2. Attach fence fabric with 3 zip ties within the top 8" of the fence
Alternate attachment methods may be approved by the Engineer on a performance basis.
3. Use of high flow material is acceptable.
4. Refer to plan sheets to estimate the length of silt fence required.

BIODEGRADABLE LOG OR FILTER SOCK

1. Place biodegradable logs or filter sock tightly together minimum overlap of 18".
2. Wood stakes shall be 2" x 2" (nom.).
3. Refer to plan sheets to estimate length of biodegradable log and filter sock required.
4. Each log or sock (except compost filter socks) should be keyed into the ground at a minimum of 25% of its height. Compost filter socks should be placed on smooth prepared ground with no gaps between the sock and soil.
5. Length of stakes should be 2 times the height of the log at a minimum with minimum ground embedment equal to the height of the log / sock.

Biodegradable Log or Filter Sock Slope Interruptions

		PRODUCT		
		9" Sediment Log or 8" Filter Sock (ft)	12" Sediment Log or 12" Filter Sock (ft)	20" Sediment Log or 18" Filter Sock (ft)
Slope Gradient	≤4H:IV	40	60	80
	3H:IV	30	45	60

BIODEGRADABLE LOG MATERIAL	
LOW FLOW	HIGH FLOW
9" Straw/Compost	Excelsior / Wood Chips / Coconut Fiber
12" Straw/Compost	Excelsior / Wood Chips / Coconut Fiber
18"-20"	Straw/Compost

Deviations should be approved by the Field Engineer.

GENERAL NOTES

- 1) Slope interruptions shall be placed along contour lines, with a short section turned upgrade at each end of the barrier.
- 2) The maximum length of the slope interruptions shall not exceed 250 feet, and the barrier ends need to be staggered.
- 3) Interruptions damaged by Contractor's negligence, including improper maintenance or lack of maintenance, shall be repaired immediately by Contractor at no additional cost to KDOT.
- 4) Agricultural products, such as native prairie hay, used for mulching and erosion control practices, excluding wood based mulch, shall meet the North American Weed Free Forage Standards.

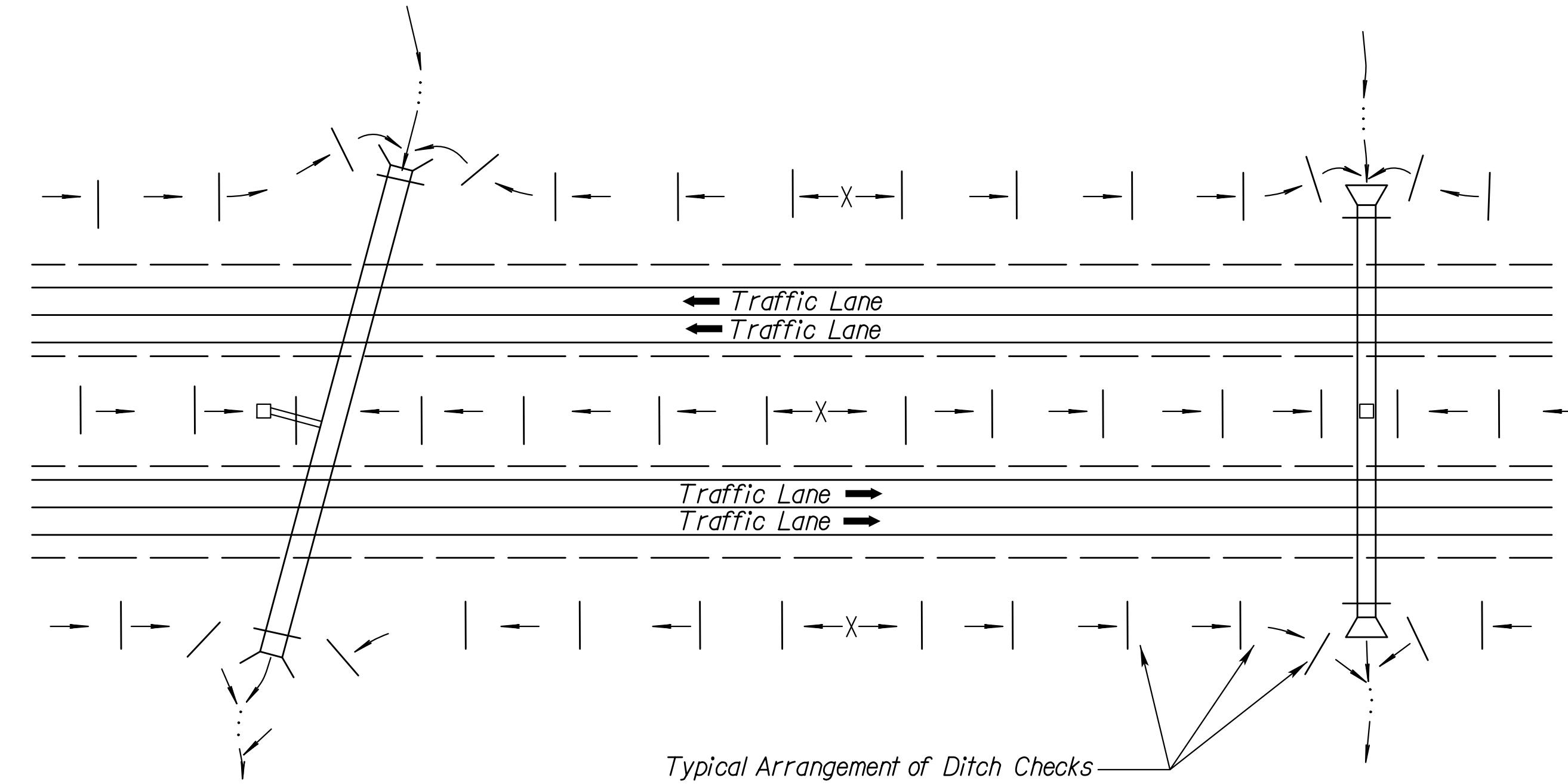
3	6/28/16	Revised Standard	RA	SHS
2	3/01/15	Revised Standard	RA	SHS
I	6/01/13	Revised Standard	MRM	SHS
NO.	DATE	REVISIONS	BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION
TEMPORARY EROSION AND POLLUTION CONTROL
SLOPE INTERRUPTIONS
BIODEGRADABLE LOG / SILT FENCE
LA852D

FHWA APPROVAL 9/14/2016 APP'D Scott H. Shields
DESIGNED SHS DETAILED RA QUANTITIES CADD
DESIGN CK. SHS DETAILED CK. QUAN.CK. CADD CK.

CADconform Certify This File

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	Project No.	20XX	0	0



TYPICAL DITCH CHECK LAYOUT PLAN

NO SCALE

20" BIOLOG CHECK SPACING	
DITCH Q SLOPE (%)	SPACING INTERVAL (FEET)
1.0	125
2.0	60
3.0	40
4.0	30
5.0	25

NOTE: Use this spacing for all except Rock Ditch Checks.

18" FILTER SOCK CHECK SPACING	
DITCH Q SLOPE (%)	SPACING INTERVAL (FEET)
1.0	110
2.0	55
3.0	35
4.0	25
5.0	20

NOTE: Use this spacing for all except Rock Ditch Checks.

Std. Base File:
Plot Red By: mmissa
File: la852e.dgn
Plot Date: 14-SEP-2016 13:10

GENERAL NOTES

- 1) The choice of ditch check methods is at the option of the Contractor.
- 2) Use only rock checks in situations where the ditch slope is 6 percent or greater.
- 2) Ditch checks damaged by Contractor's negligence, including improper maintenance or lack of maintenance, shall be repaired by Contractor at no extra cost to KDOT.

3	8/10/16	Revised Standard	RAA	SHS
2	6/28/16	Revised Standard	RAA	SHS
I	6/01/13	Revised Standard	MRM	SHS
NO.	DATE	REVISIONS	BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION
TEMPORARY EROSION AND POLLUTION CONTROL

DITCH CHECKS

LA852E

FHWA APPROVAL 9/14/2016 APP'D Scott H. Shields
DESIGNED SHS DETAILED RAA QUANTITIES CADD RAA
DESIGN CK. SHS DETAIL CK. SHS QUAN.CK. CADD CK. SHS

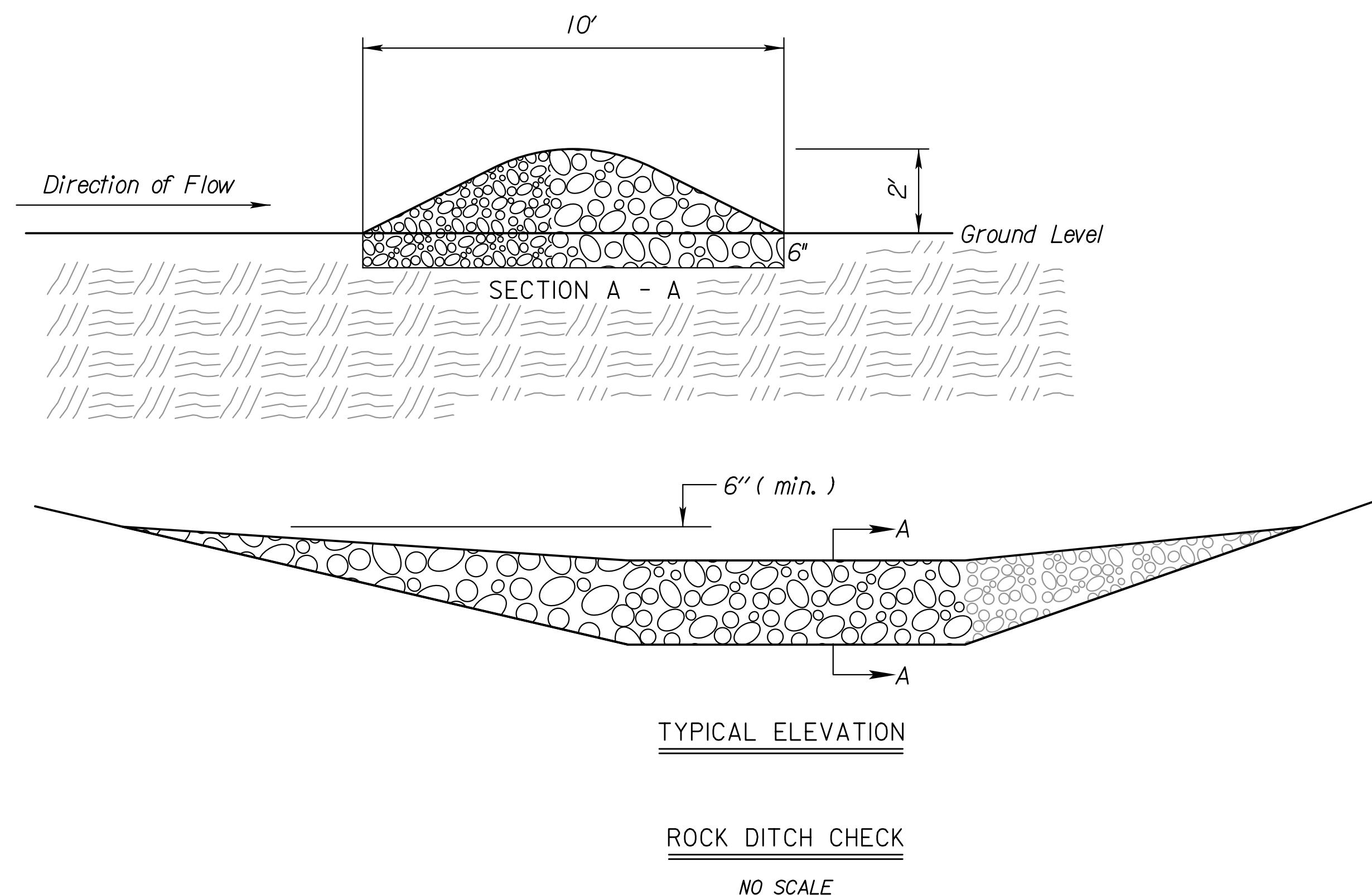
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Sheet No. 0

STATE	PROJECT NO.	YEAR	sheet no.	TOTAL SHEETS
KANSAS	Project No.	20XX	0	0

ROCK DITCH CHECK NOTES

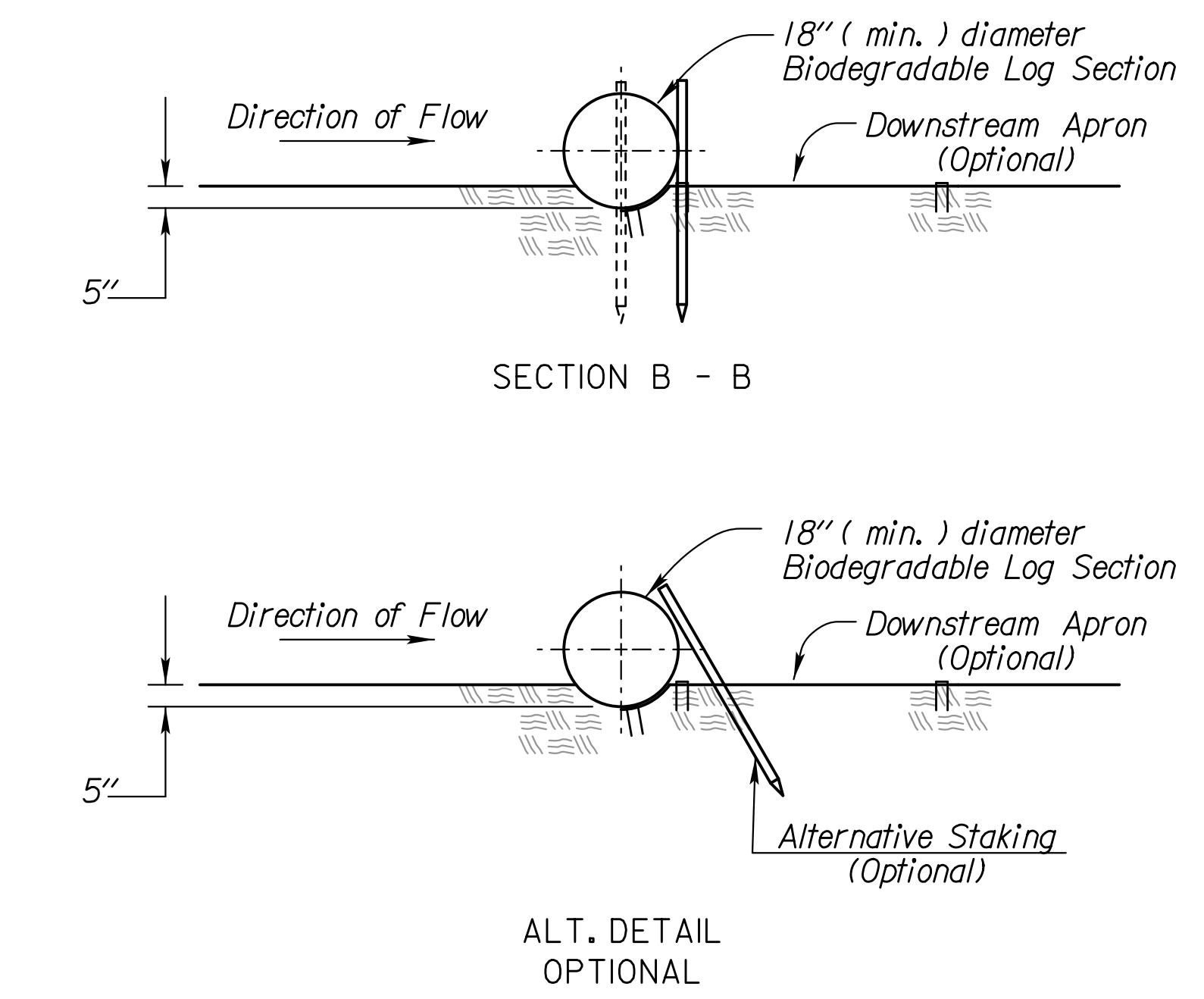
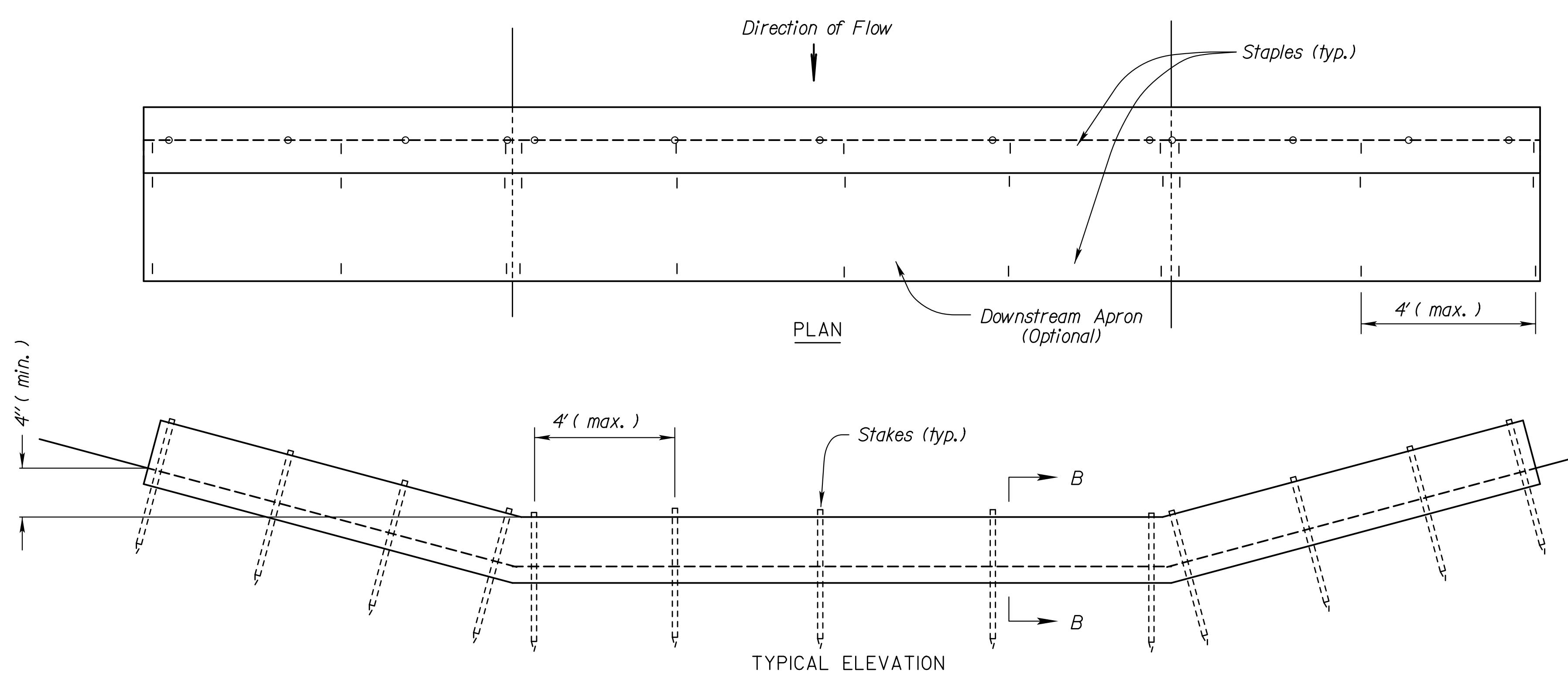
1. Rock shall be clean aggregate, $D_{50} = 6"$.
2. Place rock in such manner that water will flow over, not around ditch check.
3. Do not use rock ditch checks in clear zone.
4. Excavation: The ditch area shall be reshaped to fill any eroded areas. Prior to placement of the rock, the ditch shall be excavated to the dimensions of the Rock Ditch Check and to a minimum depth of 6" (150mm). After placement of the rock, backfill and compact any over excavated soil to ditch grade. This work shall be subsidiary to the bid item Temporary Ditch Check (Rock).
5. Aggregate excavated on site may be used as an alternate to the 6" rock, if approved by the Engineer.
6. The Engineer may approve the use of larger aggregates for the downstream portion of the check when conditions warrant their use.
7. When the use of larger rock is approved, the upstream portion of the check should be constructed of $D_{50} = 6"$ or smaller.



TEMPORARY ROCK DITCH CHECK SPACING	
DITCH Q SLOPE (%)	SPACING INTERVAL (FEET)
5.0	60
6.0	50
7.0	43
8.0	36
9.0	33
10.0	29

NOTE: Use this spacing only for Rock Ditch Checks.

Std. Base File: la852g.dgn
Plot Location: Landscape
Plot Date: 14-SEP-2016 13:13
Plot By: mrls/a
File: la852g.dgn



BIODEGRADABLE LOG DITCH CHECK
OR Filter Sock Ditch Check
NO SCALE

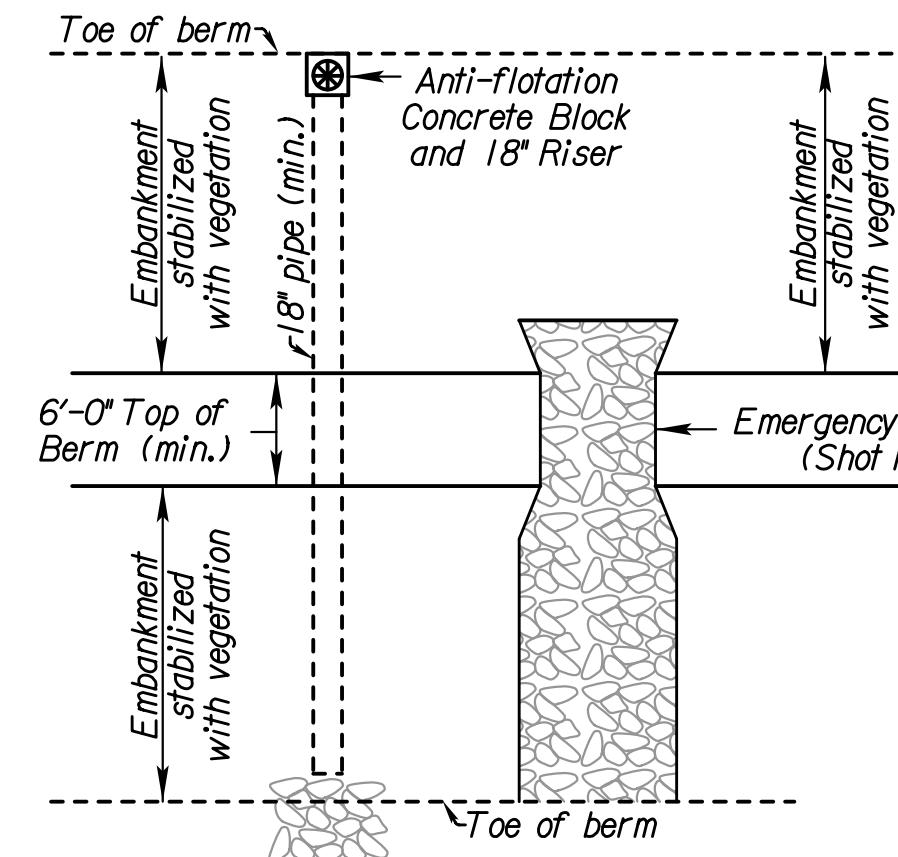
3	8/10/16	Revised Standard	RAA	SHS
2	10/21/15	Revised Standard	RAA	SHS
1	9/15/14	Revised Standard	RAA	SHS

KANSAS DEPARTMENT OF TRANSPORTATION
TEMPORARY EROSION AND
POLLUTION CONTROL
ROCK DITCH CHECKS
BIODEGRADABLE LOG DITCH CHECKS

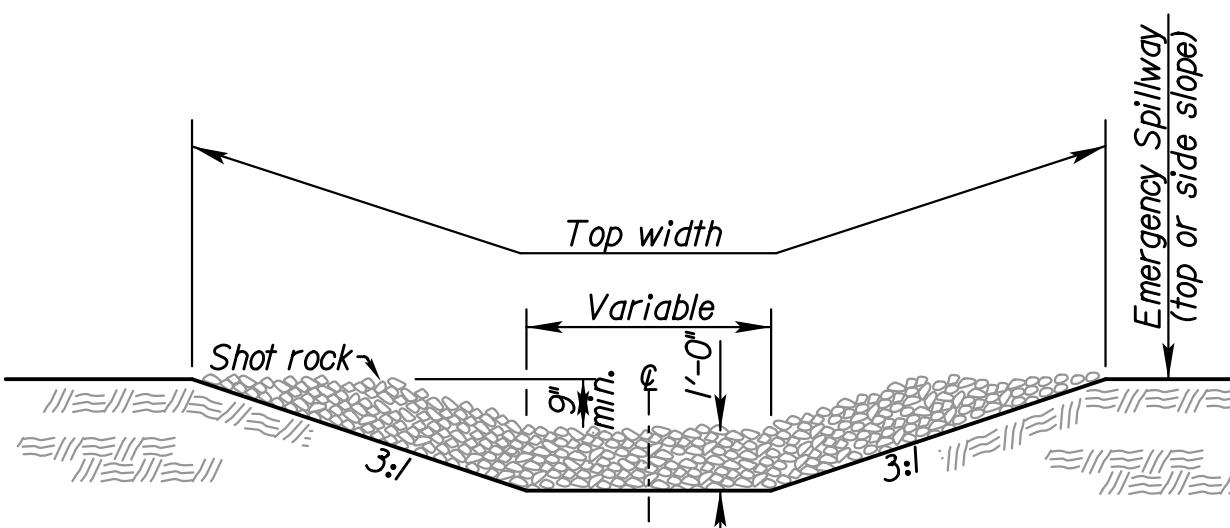
LA852G
FHWA APPROVAL 9/14/2016 APP'D Scott H. Shields
DESIGNED SHS DETAILED RAA QUANTITIES CADD RA
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CADconform Certify This File Sheet No. 0

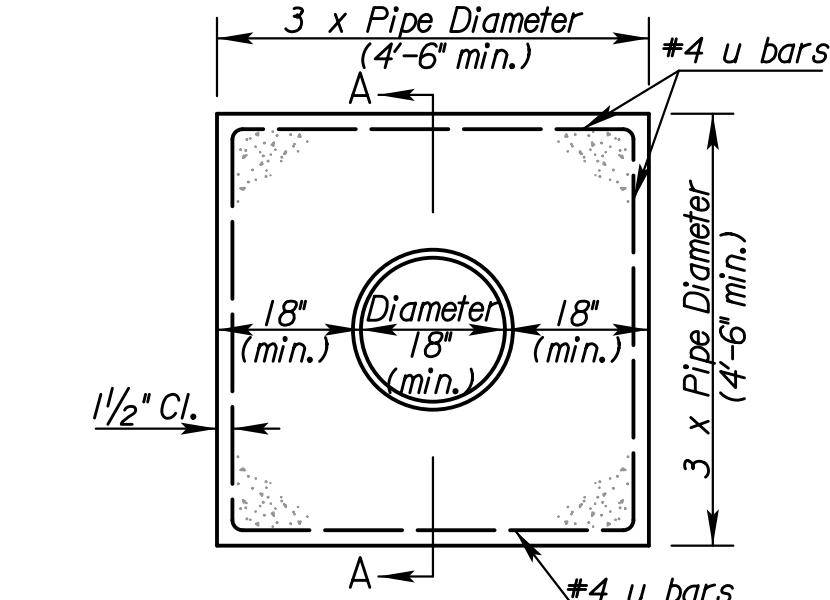
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	Project No.	20XX	0	0



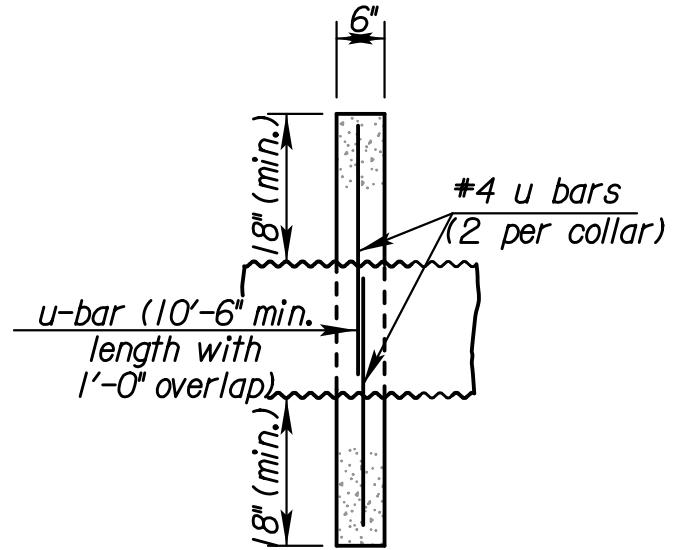
SEDIMENT STORAGE BASIN (PLAN)



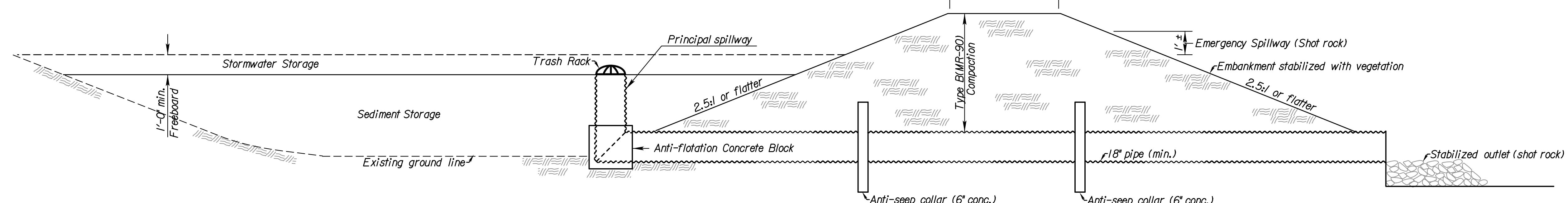
CROSS SECTION (EMERGENCY SPILLWAY)



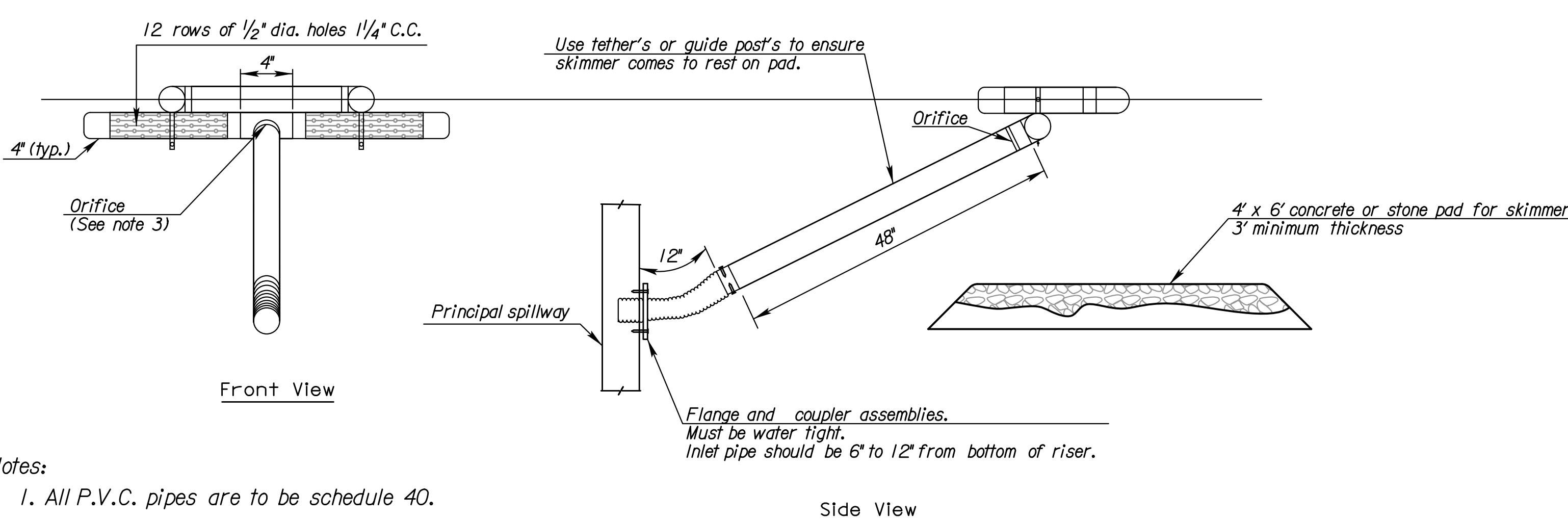
CONCRETE ANTI-SEEP COLLAR



SECTION A-A



SEDIMENT STORAGE BASIN (ELEVATION)



Notes

1. All P.V.C. pipes are to be schedule 40.
 2. HDPE flexible drain pipes is to be attached to the pond outlet structure with water-tight connections.
 3. The orifice shall be sized of to provide drawdown time to 2 to 5 days and approved by the engineer.
 4. Other skimmer designs maybe used that dewater from the surface at a controlled rate.
The design must be approved by the engineer.

SKIMMER DEWATERING DEVICE

3								
2	9/3/13	Added Skimmer Dewatering Device		MRM	SHS			
1	7/17/13	Revised Standard		MRM	SHS			
NO.	DATE	REVISIONS			BY			
KANSAS DEPARTMENT OF TRANSPORTATION								
TEMPORARY EROSION AND POLLUTION CONTROL								
SEDIMENT STORAGE BASIN								
A852H								
HWA APPROVAL		09/24/2013		APP'D	Scott H. Shields			
DESIGNED	BB	DETAILED	BB	QUANTITIES	CADD			
DESIGN CK.	SHS	DETAIL CK.	SHS	QUAN.CK.	CADD CK.			
SHS								

NSAS DEPARTMENT OF TRANSPORTATION

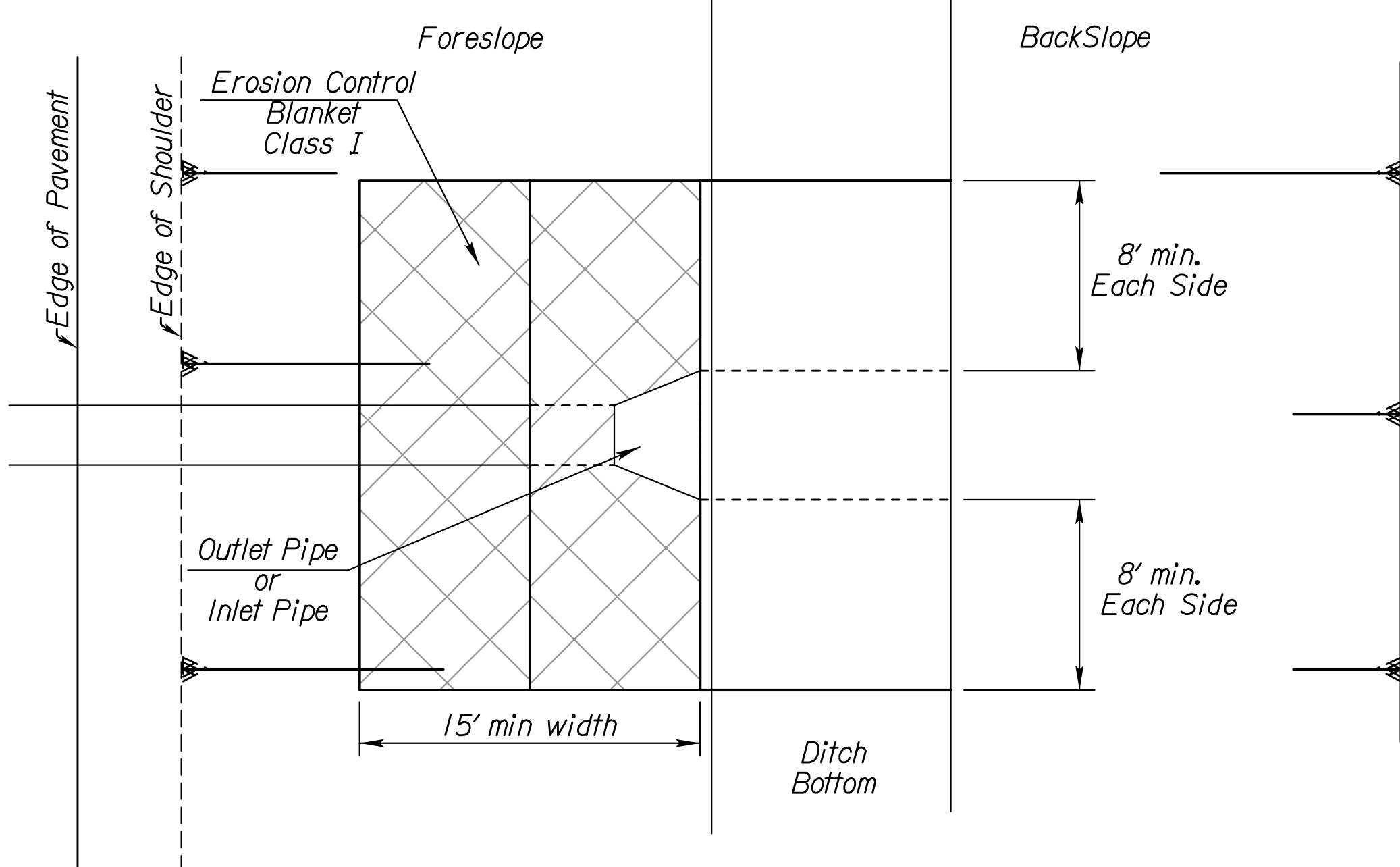
**TEMPORARY EROSION AND
POLLUTION CONTROL**

SEDIMENT STORAGE BASIN

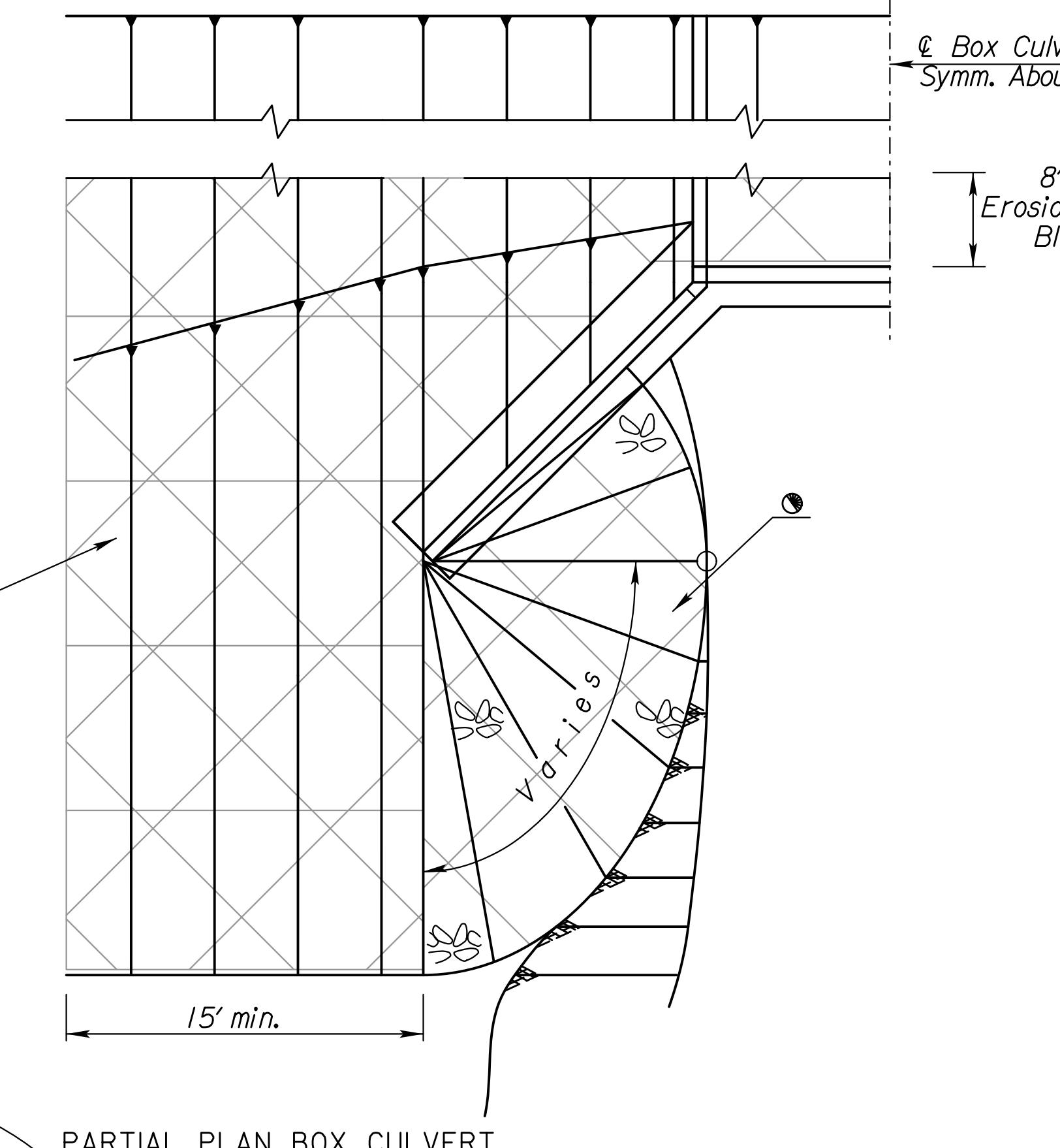
| A852H

09/24/2013 APP'D Scott H. Shie
DETAILED BB QUANTITIES CADD
DETAIL CK. SHS QUAN.CK. CADD CK.

STATE	PROJECT NO.	YEAR	sheet no.	TOTAL SHEETS
KANSAS	Project No.	20XX	0	0



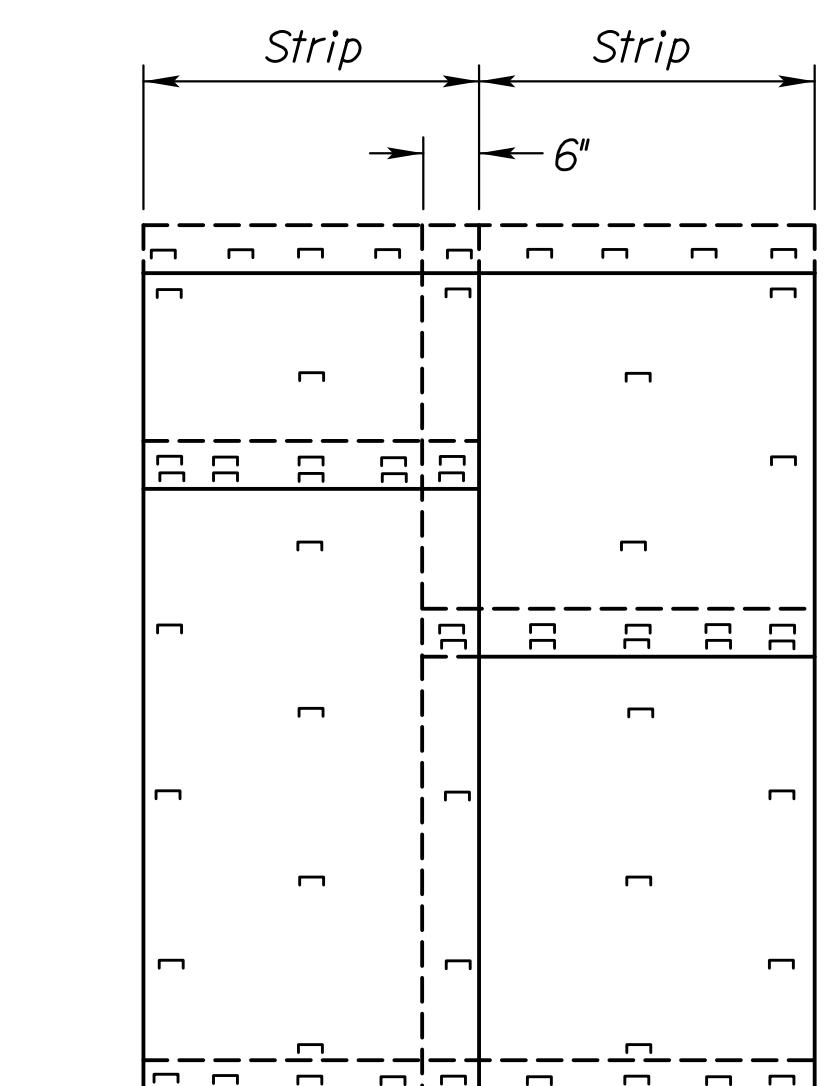
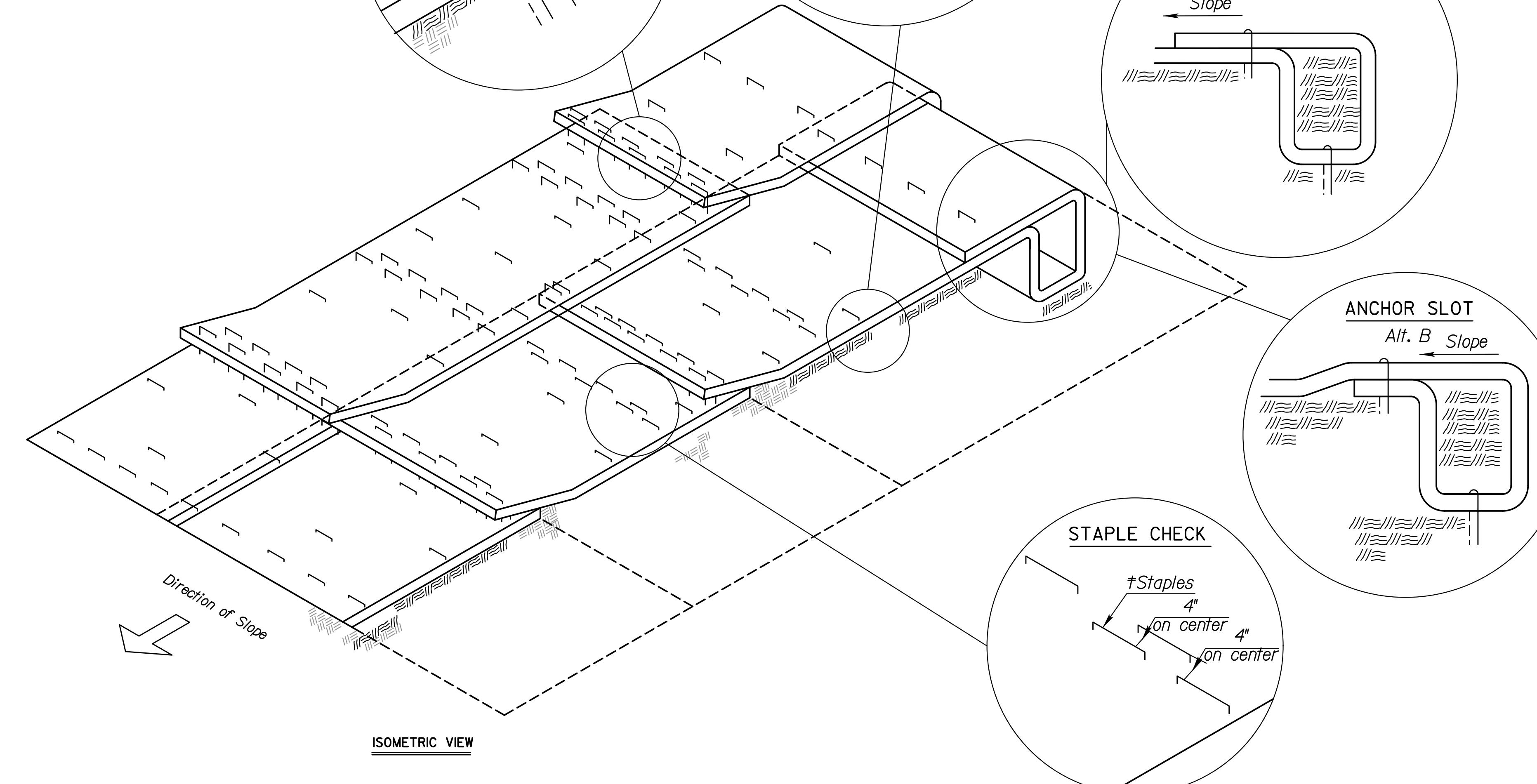
Limits of Erosion Control Blanket



INSTALLATION DETAILS FOR EROSION CONTROL CLASS I

Erosion Control Blankets shall be laid loosely in the direction of the slope, beginning at the bottom of the slope. In order for blanket to be in contact with the soil, lay blanket loosely, avoiding stretching.

1. ANCHOR SLOTS: The top of the blanket should be "slotted in" at the top of the slope and anchored in place with anchors 6 inches apart. The slots should be 6 inches wide x 6 inches deep with the blanket anchored in the bottom of the slot, then backfilled, tamped and seeded.
2. LONGITUDINAL SEAMS: The edges of the blanket should overlap each other a minimum of 6 inches, with anchors catching the edges of both blankets.
3. SPLICE SEAM: When splices are necessary, overlapping a minimum of 8 inches in direction of water flow. Stagger splice seams.
4. TERMINAL FOLD: The bottom edge of the blanket shall be turned under a minimum of 4 inches, then anchored in place with anchors 9 inches apart.
5. TYPICAL ANCHORS: Anchor design shall be as recommended by the manufacturer.
6. STAPLE CHECK: Establish Staples in 2 rows 4" on center apart. Staple Checks - shall be 30' apart.



NOTE:
Agricultural products, such as native prairie hay, used for mulching and erosion control practices, excluding wood based mulch, shall meet the North American Weed Free Forage Standards.
Single post ring and shank staple is acceptable.

4	3/01/15	Revised Standard	RAA	SHS
3	2/23/15	Revised Standard	RAA	SHS
2	9/15/14	Revised Standard	MRM	SHS
I	9/10/07	Revised Standard	MRM	SHS
NO.	DATE	REVISIONS	BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION INSTALLATION DETAIL EROSION CONTROL CLASS I SLOPE PROTECTION

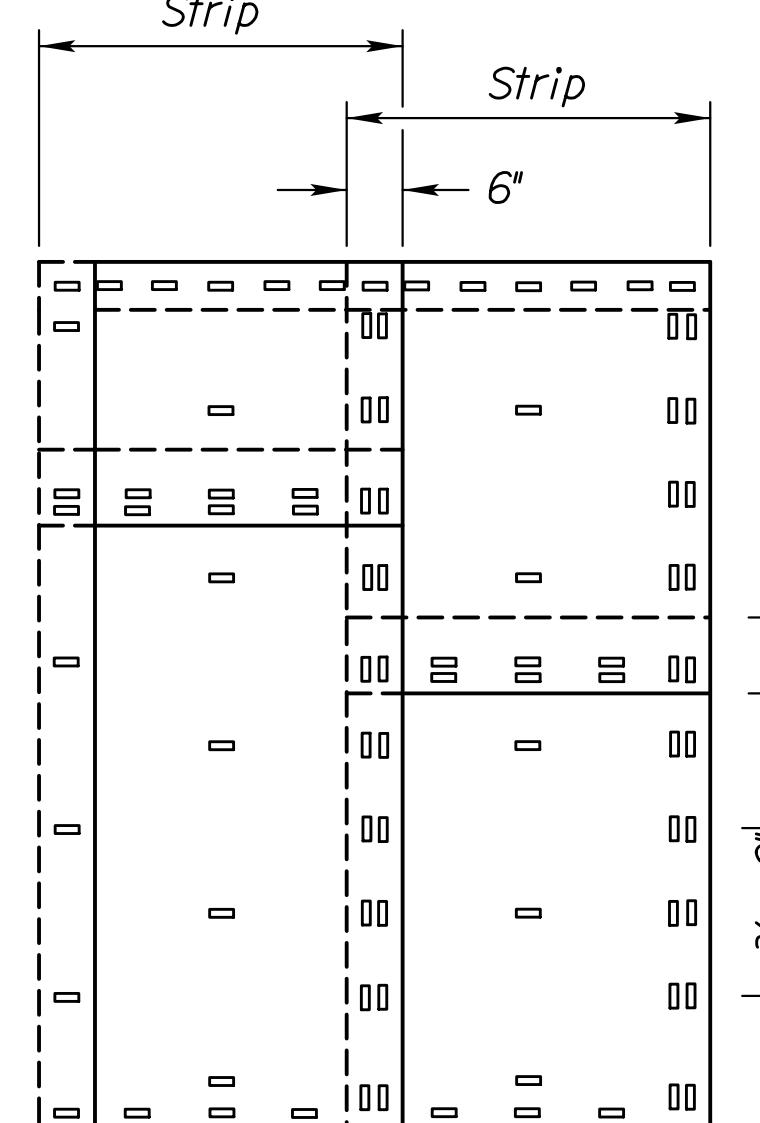
LA855

FHWA APPROVAL 3/10/2015 APP'D Scott H. Shields
DESIGNED RAA DETAILED RAA QUANTITIES CADD RAA
DESIGN CK. DETAIL CK. QUAN.CK. CADD CK. RAA

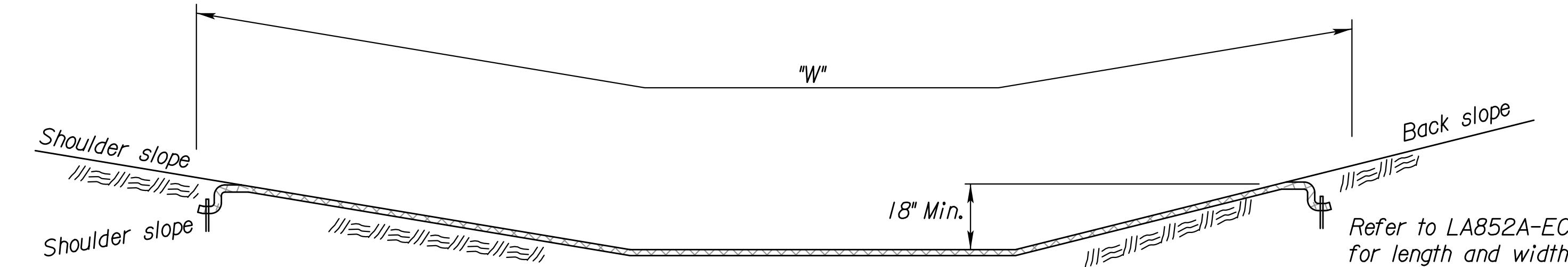
CADconform Certify This File

Sheet No. 0

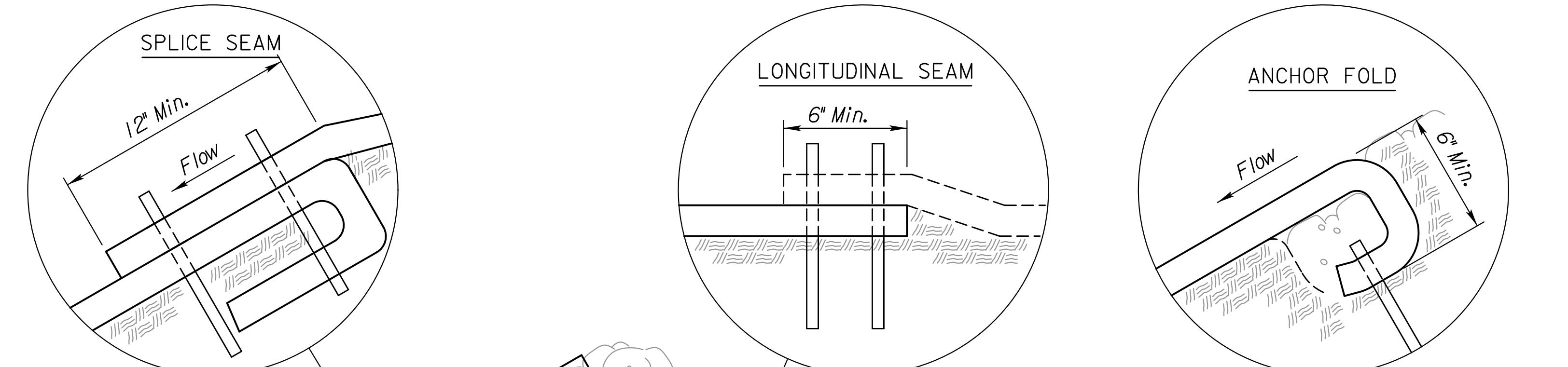
STATE	PROJECT NO.	YEAR	Sheet No.	Total Sheets
KANSAS	Project No.	20XX	0	0



PLAN VIEW - ANCHORING DIAGRAM



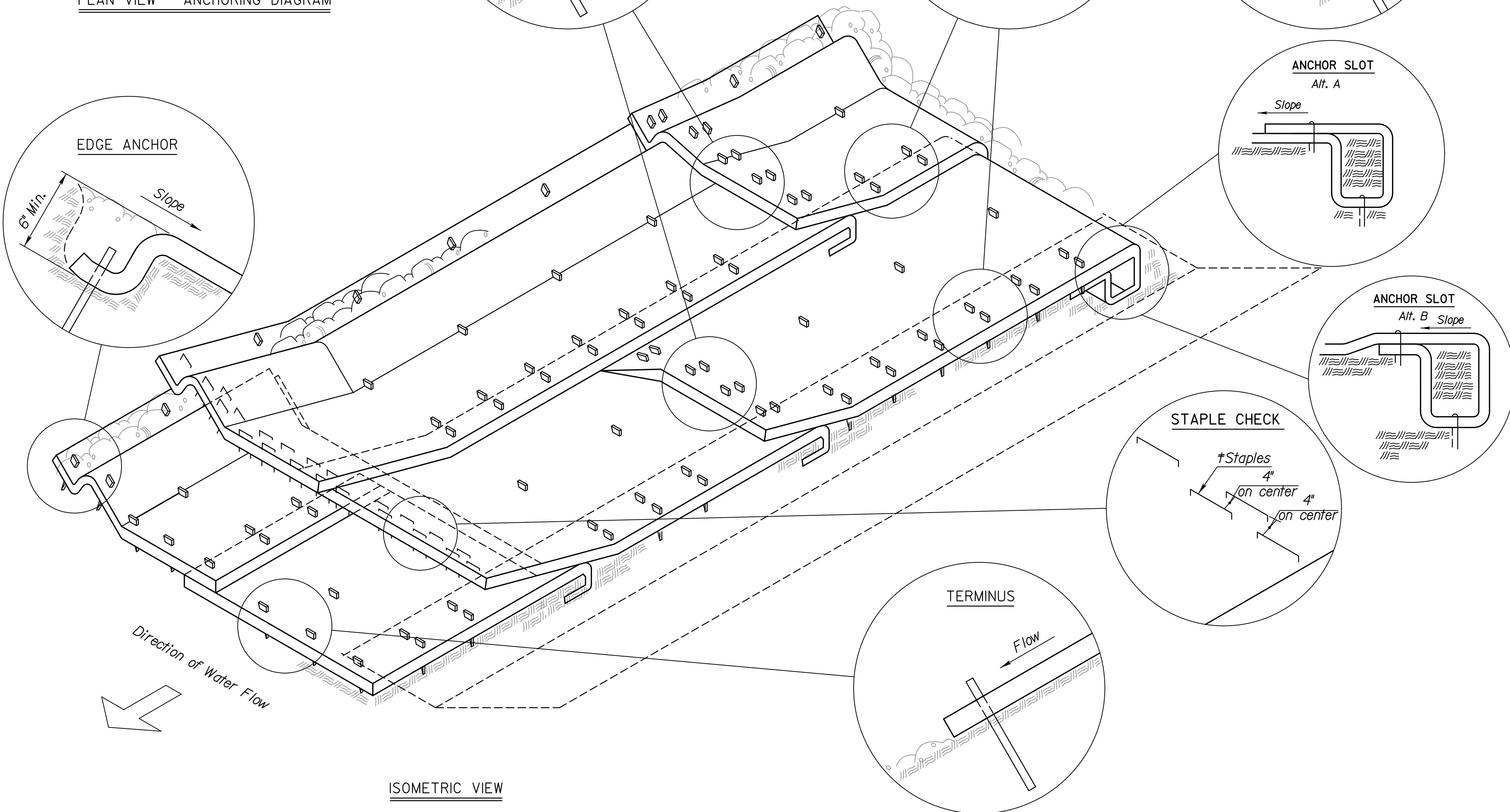
CROSS SECTION (Ditch Lining)



INSTALLATION DETAILS FOR EROSION CONTROL CLASS 2

Erosion Control Mats shall be laid loosely in the direction of the flow, with the first course at the centerline of channel, where applicable. In order for the mat to be in contact with the soil, lay the mat loosely, avoiding stretching.

1. **ANCHOR FOLD:** The top of the mat should be folded under, buried and secured with approved anchors placed 6 inches apart. The top edge of the mat should be buried in a slot, 6 inches wide x 6 inches deep; anchored in the bottom of the slot, backfilled, and the mat folded over the top as shown in detail.
2. **LONGITUDINAL SEAMS:** The adjacent edges of the mat should overlap a minimum of 6 inches, with anchors catching the edges of both mats.
3. **SPLICE SEAM:** When splices are necessary, overlap a minimum of 12 inches in direction of water flow. Stagger splice seams.
4. **STAPLE CHECK:** Establish Staples in 2 rows 4" on center apart. Staple Checks - shall be 30' apart.
5. **EDGE ANCHOR:** Lay outside edge of mat into trench at top of side slope. Anchor at 3 foot intervals along trench.
6. **TERMINUS:** The bottom edge of the mat shall be anchored in place with anchors spaced at 9 inch intervals along the terminating edge.
7. **TYPICAL ANCHORS:** Anchor design shall be as recommended by the manufacturer.



ISOMETRIC VIEW

4	9/25/15	Modified Staple Check	RAA	SHS
3	9/15/14	Revised Standard	RAA	SHS
2	3/01/13	Revised Standard	MRM	SHS
1	9/22/99	Revised Standard	WCL	RDR
NO.	DATE	REVISIONS	BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION

INSTALLATION DETAIL
EROSION CONTROL CLASS 2
FLEXIBLE CHANNEL LINER

FHWA APPROVAL	II/02/2015	APP'D	Scott H. Shields
DESIGNED	RAA	DETAILED	RAA QUANTITIES
DESIGN CK.	SHS	DETAIL CK.	SHS QUAN.CK.

CADD RAA CADD CK. CADD CK.

CADconform Certify This File

Sheet No. 0

APPENDIX H

Instances of potential non-compliance with the Kansas General Permit

2016 Annual Report
Known Instances of Potential Violation of the Kansas General Permit

Route	County Number	Project Number	County Name	Area Office Location	Dates of Potential Violation		Days	Permit Section	Number of Violations	Description of Potential Violation
					From	To				
I435	46	KA-1002-04	JOHNSON	Olathe - Gateway	01/20/16	01/20/16	1	KGP 7.2.10	2	Multiple deficiencies not corrected within 7 days of inspection
U054	8	KA-2212-01	BUTLER	El Dorado	03/02/16	03/03/16	2	KGP 7.2.10	1	Regularly scheduled inspection completed late
U054	88	KA-2385-02	SEWARD	Ulysses	03/29/16	03/30/16	2	KGP 7.2.10	1	Regularly scheduled inspection completed late
U081	79	KA-3237-01	REPUBLIC	Mankato	07/07/16	07/07/16	1	KGP 7.2.10	1	Deficiency not corrected within 7 days of inspection
U081	79	KA-3237-01	REPUBLIC	Mankato	07/07/16	07/08/16	2	KGP 7.2.10	1	Deficiency not corrected within 7 days of inspection
U400	50	KA-2375-09	LABETTE	Pittsburg	08/28/16	08/29/16	2	KGP 7.2.10	3	Multiple deficiencies not corrected within 7 days of inspection
U069	46	KA-3084-01	JOHNSON	Olathe	09/03/16	09/03/16	1	KGP 7.2.10	2	Multiple deficiencies not corrected within 7 days of inspection
U400	11	KA-0740-01	CHEROKEE	Pittsburg	09/18/16	09/19/16	2	KGP 7.2.10	1	Deficiency not corrected within 7 days of inspection
U400	11	KA-0740-01	CHEROKEE	Pittsburg	09/18/16	09/20/16	3	KGP 7.2.10	1	Deficiency not corrected within 7 days of inspection
U077	31	KA-2367-02	GEARY	Clay Center	09/25/16	09/25/16	1	KGP 7.2.10	1	Inspection not completed according to permit
U077	31	KA-2367-04	GEARY	Clay Center	09/25/16	09/25/16	1	KGP 7.2.10	1	Inspection not completed according to permit
U077	31	KA-2367-03	GEARY	Clay Center	09/25/16	09/25/16	1	KGP 7.2.10	1	Inspection not completed according to permit
U400	50	KA-2375-09	LABETTE	Pittsburg	11/10/16	11/12/16	3	KGP 7.2.10	1	Deficiency not corrected within 7 days of inspection
U059	50	KA-3261-01	LABETTE	Pittsburg	11/15/16	11/15/16	1	KGP 7.2.10	1	Regularly scheduled inspection completed late
U050	9	KA-1827-09	CHASE	Topeka	12/15/16	12/18/16	4	KGP 7.2.10	1	Regularly scheduled inspection completed late

APPENDIX J

Instances of potential non-compliance with the Consent Decree

2016 Annual Report
Known Instances of Potential Violation of the Consent Decree

Route	County Number	Project Number	County Name	Area Office Location	Dates of Potential Violation		Days	Consent Decree Paragraph	Number of Violations	Description of Potential Violation
U069	46	KA-3084-01	JOHNSON	Olathe	06/16/16	06/16/16	1	CD 21	1	oversight inspection report not provided to AE and Responsible Contractor within twenty-four hours
U073	52	KA-3529-02	LEAVENWORTH	Bonner Springs	02/25/16	02/25/16	1	CD 19.c	1	Inspection report not submitted to WPCM within 24 hours
K010	23	K-8392-04	DOUGLAS	Topeka	10/26/16	10/26/16	1	CD 21	1	oversight inspection not timely completed as required
K010	23	K-8392-04	DOUGLAS	Topeka	10/19/16	10/19/16	1	CD 19.c	1	Inspection report not submitted to AE within 24 hours
U050	9	KA-1827-09	CHASE	Topeka	12/15/16	12/15/16	1	CD 19.b	1	Inspection not completed according to permit
K010	23	K-8392-04	DOUGLAS	Topeka	04/15/16	04/15/16	1	CD 19.c	1	Inspection report not submitted to AE within 24 hours
I070	89	KA-2107-01	SHAWNEE	Topeka	10/22/16	10/22/16	1	CD 19.c	1	Inspection report not submitted to AE within 24 hours
I435	46	KA-1002-04	JOHNSON	Olathe - Gateway	05/14/16	05/14/16	1	CD 21	1	oversight inspection report not provided to AE and Responsible Contractor within twenty-four hours
K015	14	KA-3085-01	CLAY	Clay Center	06/28/16	06/28/16	1	CD 19.b	1	Project inspection performed by Environmental Inspector with expired certification
U077	31	KA-2367-04	GEARY	Clay Center	09/25/16	09/25/16	1	CD 19.b	1	Inspection not completed according to permit
K015	14	KA-3085-01	CLAY	Clay Center	06/14/16	06/14/16	1	CD 19.b	1	Project inspection performed by Environmental Inspector with expired certification
K015	14	KA-3085-01	CLAY	Clay Center	05/31/16	05/31/16	1	CD 19.b	1	Project inspection performed by Environmental Inspector with expired certification
K015	14	KA-3085-01	CLAY	Clay Center	05/27/16	05/27/16	1	CD 19.b	1	Project inspection performed by Environmental Inspector with expired certification
U077	31	KA-2367-02	GEARY	Clay Center	09/25/16	09/25/16	1	CD 19.b	1	Inspection not completed according to permit
K015	14	KA-3085-01	CLAY	Clay Center	05/25/16	05/25/16	1	CD 19.b	1	Project inspection performed by Environmental Inspector with expired certification
K015	14	KA-3085-01	CLAY	Clay Center	07/29/16	07/29/16	1	CD 19.b	1	Project inspection performed by Environmental Inspector with expired certification
U077	31	KA-2367-03	GEARY	Clay Center	09/25/16	09/25/16	1	CD 19.b	1	Inspection not completed according to permit

2016 Annual Report
Known Instances of Potential Violation of the Consent Decree

Route	County Number	Project Number	County Name	Area Office Location	Dates of Potential Violation		Days	Consent Decree Paragraph	Number of Violations	Description of Potential Violation
					From	To				
K015	14	KA-3085-01	CLAY	Clay Center	08/23/16	08/23/16	1	CD 19.b	1	Project inspection performed by Environmental Inspector with expired certification
K015	14	KA-3085-01	CLAY	Clay Center	07/07/16	07/07/16	1	CD 19.b	1	Project inspection performed by Environmental Inspector with expired certification
K015	14	KA-3085-01	CLAY	Clay Center	07/12/16	07/12/16	1	CD 19.b	1	Project inspection performed by Environmental Inspector with expired certification
K015	14	KA-3085-01	CLAY	Clay Center	07/26/16	07/26/16	1	CD 19.b	1	Project inspection performed by Environmental Inspector with expired certification
K015	14	KA-3085-01	CLAY	Clay Center	08/01/16	08/01/16	1	CD 19.b	1	Project inspection performed by Environmental Inspector with expired certification
K015	14	KA-3085-01	CLAY	Clay Center	08/09/16	08/09/16	1	CD 19.b	1	Project inspection performed by Environmental Inspector with expired certification
K015	14	KA-3085-01	CLAY	Clay Center	08/08/16	08/08/16	1	CD 19.b	1	Project inspection performed by Environmental Inspector with expired certification
K015	14	KA-3085-01	CLAY	Clay Center	08/05/16	08/05/16	1	CD 19.b	1	Project inspection performed by Environmental Inspector with expired certification
K007	11	KA-1586-01	CHEROKEE	Pittsburg	11/16/16	11/16/16	1	CD 19.c	1	Inspection report not submitted to AE within 24 hours
U059	50	KA-3261-01	LABETTE	Pittsburg	11/15/16	11/15/16	1	CD 19.b	1	Inspection not completed according to permit
U054	8	KA-2212-01	BUTLER	El Dorado	03/01/16	03/01/16	1	CD 19.b	1	Inspection not completed according to permit
U054	88	KA-2385-02	SEWARD	Ulysses	03/28/16	03/28/16	1	CD 19.b	1	Inspection not completed according to permit