December 20, 2005

Templates for Assembling a
Stormwater Pollution Prevention Plan (SWPPP)

This document gives an example of how Overland Park's Public Works department assembles SWPPPs for use on their projects. Private developers and contractors may consider using a similar procedure on their projects.

The City does not require that this exact format be used, but some form of a SWPPP must be present on all jobs that hold a City Land Disturbance Permit and a KDHE Construction Site Erosion Control permit.

The City uses this format because it allows us to take the various documents that are needed and assemble them in to one, easy to access package.

It is assumed that all of the critical technical information is already shown in the project plans, standard drawings, notes, and specifications. We believe strongly that engineers should put all of that information directly into the plans and specifications. This will enable contractor to access them easily at bid time. Likewise, contractors should verify that all the critical elements of the permit, such as site descriptions, listing of best management practices, etc, have been included.

By using this format, it is our hope that project teams will do a better job of documentation and that their projects will better withstand EPA/KDHE scrutiny, should inspections be conducted. This format was developed by the City for in-house use, and the City assumes no liability for omissions, errors, or problems which might arise from the use of it by others. Individuals should carefully read the Kansas General Permit and establish for themselves that they are complying fully with all practice and documentation requirements therein.

The SWPPP is assembled together in a 3-ring binder, with four tab dividers:

- Permits
- Project Specs and Plans
- Contractor Information
- Inspection and Amendment Logs

Before the tabs is a front sheet that includes important contact phone numbers and a checklist of items to include. What follows is an abbreviated example of what a properly assembled SWPPP would look like.

Stormwater Pollution Prevention Plan

For

Project

Really Big Road

Owner/Permittee

Successful Partnership, Inc.

#1

Stormwater Pollution Prevention Plan (SWPPP)

REALLY BIG ROAD

Project Name and Location

SUCCESSFUL PARTNERSHIP, INC.

Owner

Owner's PM:	**Bob Smith**	Cell/Pager	**(913) 111-2222**
Owner's Inspector:	**Jane Rogers**	Cell/Pager	**(913) 111-3333**
Owner's Engineer:	**Smart Designer, P.E-Common Sense LLP**	Cell/Pager	**(913) 333-1111**
Contractor:	**Heavy Equipment Construction**	Office	**(913) 222-1111**
Contractor's Superintendent	**Jack Roberts**	Cell/Pager	**(913) 222-2222**

The following items collectively make up the SWPPP for this project. These forms are grouped together under the tabs listed below. All forms are maintained in this notebook unless otherwise indicated.

Tab	Item	Included Yes/No/At Office
1.	This Cover Sheet	Y
Permits		
2.	Complete Copy of Notice of Intent Submitted to KDHE	Y
3	Copy of KDHE-Issued Permit Letter and Permit Number	Y
4.	Copy of KDHE General Permit for Construction	Y
5.	Copy of KDWP/KSHS Clearance Letters (if applicable)-(Not Included In This Example)	Y
6.	Copy of City of Overland Park Land Disturbance Permit	Y
7.	Copy of OPMC Chapter 16.200 governing Land Dist. Permits	Y
Project Specs and Plans		
8.	Copy of Project Specifications and all referenced specs.	Y
9.	Copy of Bid-Tabs and Unit Prices for Work	Y
10.	Copy of Erosion and Sediment Control Plans and Drawing for Project	Y
	Verify that the designer has included all required site descriptions, BMP plans, etc.	
Contractor Information		
11.	Contractor Certification Form - Signed!	Y
12.	Contractor-Prepared Changes to ESC Plan-(Not Included In The Example)	Y
13.	Contractor-Prepared Schedule	Y
Inspection and Amendment Logs		
14.	Checklist for BMP Inspections	Y
15.	Copy of All Completed Inspection Reports	Y
16.	Record of Amendments to the ESC Plan	Y

Insert a Tabbed Divider here called

PERMITS

See Attached Sheet for Instructions

#2 AND #3

NOTICE OF INTENT (NOI)
For Stormwater Runoff from Construction Activities
Authorized by a Kansas Water Pollution Control General Permit
Under the National Pollutant Discharge Elimination System

Submission of this Notice of Intent constitutes notice that the party identified in Section I of this form requests authorization for coverage under the Kansas Water Pollution Control general permit, or KDHE authorized successors, issued for stormwater runoff from construction activities in the State of Kansas. Becoming a permittee obligates the discharger to comply with the terms and conditions of the general permit. **Completion of this NOI does not provide automatic coverage under the general permit. Coverage is provided and discharge permitted when the Kansas Department of Health and Environment (KDHE) authorizes the NOI. A signed and dated copy of the authorized NOI will be provided to the owner or operator.** Upon authorization of the NOI, a Kansas permit number and a Federal permit number will be assigned to the construction project. ONLY COMPLETE APPLICATIONS ACCOMPANIED BY THE $60 ANNUAL PERMIT FEE WILL BE PROCESSED. KDHE WILL NOTIFY APPLICANTS WHOSE APPLICATIONS ARE INCOMPLETE, DEFICIENT, OR DENIED. **Please Print or Type**.

I. OWNER OR OPERATOR ADDRESS & RECORD LOCATION INFORMATION

Owner or Operator's Name: Successful Partnerships

Company Name:

Owner or Operator's Phone:

Mailing Address:

City: State: Zip Code:

Will permit records be located on site? X Y; ☐ N If not,

Company Name:

Street Address:

City: State: Zip Code:

Owner's Contact Name:

Company Name:

Contact Phone:

Include the entire NOI with all it's attachments, as it was sent to KDHE

Mailing Address:

City: State: Zip Code:

II. SITE INFORMATION

A. LOCATION

Project Name: Really Big Road

Street Address:

City: State: Zip Code:

Physical Location:

On-Site Contact Name:

Company Name:

Contact Phone:

Mailing Address:

City: State: Zip Code:

___ QTR ___ QTR ___ QTR, ___ Section, ___ Township South, ___ Range ☐ E; ☐ W; County: Johnson

For Official Use Only:

Received	Paid	Authorized ☐ Y; ☐ N
	Date:	
A copy of the front page of the NOI is send back by KDHE. This is the official permit. Place copy of that sheet in SWPPP		Reviewer
Secretary, Kansas Department of Health and Environment		Date
KS Permit No. S - _ _ _ _ - _ _ _ _		Federal Permit No. KS

To receive a hard copy of the general permit information packet check yes: ☐ Y; ☐ N

B. EXISTING CONDITIONS/USES

Is any part of the project located on Indian lands? ☐ Y; ☒ N

If yes, contact EPA regarding discharging stormwater runoff from construction activities on Indian lands.

If site runoff goes into a Municipal Separate Storm Sewer System; Owner/Operator's Name: City of Overland Park

Name of the first receiving water; stream; or lake: -- - River Basin: Blue River

Are there any known soil contamination areas which will be disturbed by the construction activity? ☐ Y; ☒ N

Are contaminated soils or hazardous wastes present on the site: ☐ Y; ☒ N

Are there any surface water intakes for public drinking water supplies located within ½ mile of the site discharge points? ☐ Y; ☒ N

Are there any known historical or archeological sites present within the site boundary? ☐ Y; ☒ N

Are any threatened or endangered species known to be present within the site boundary or in the receiving water body? ☐ Y; ☒ N

If yes, list species and describe habitat location in relation to project location:

--- fill in location ---

Are any Critical Water Quality Management Areas, Special Aquatic Life Use Waters,

or Outstanding National Resource Waters located within ½ mile of the site boundary? ☐ Y; ☐ N

C. PROJECT DESCRIPTION

Project Description:

Anticipated Start Date: 4/1/05 and Completion Date: 11/1/05

Estimated area to be disturbed: 4.1 Acres Total area of the site: 4.1 Acres

Do you plan to disturb ten or more acres that are within a common drainage area? ☐ Y; ☒ N

If yes, will a sedimentation basin be installed in that drainage area? ☐ Y; ☒ N

If not, on a separate sheet, explain what similarly effective erosion and sediment control measures that will be implemented in lieu of a sedimentation basin.

D. EROSION CONTROL PLAN AND BEST MANAGEMENT PRACTICES

Attach a site plan showing the erosion control measures and the locations of stormwater management or pollution control features including BMPs. Incorporate details and notes as necessary to describe the erosion control plans and BMPs.

Attach a description of the best management practices which will be utilized to control erosion, sedimentation and other pollutants in stormwater runoff during construction. Include a description of applicable local erosion and sediment control requirements.

Describe the BMPs which will be permanent stormwater management or pollution control features. Include a description of applicable local stormwater pollution control requirements for permanent stormwater management features.

Summarize the sequence of major soil disturbing activities and the corresponding erosion control measures or BMPs.

E. AREA MAP

Attach a topographic map showing the project location and significant features in the surrounding area.

III. ANNUAL FEE

Enclose a check for the first year of the annual permit fee specified in K.A.R. 28-16-56 et seq. as amended. Make the check payable to "KDHE". Per K.A.R. 28-16-56, as amended, the current annual permit fee for this general permit is $60. An annual bill will be sent to the contact person requesting a permit fee until such time as the permit holder submits a Notice of Termination (NOT).

IV. APPLICANT CERTIFICATIONS

I, the undersigned, certify that a Stormwater Pollution Prevention Plan will be or has been developed for the construction site listed in Section II of this NOI. I further certify that the plan will be implemented at the time construction begins, and, as required by the NPDES general permit for Stormwater Runoff from Construction Activity, will revise the SWP2 plan if necessary.

I understand that continued coverage under the NPDES general permit for Stormwater Runoff from Construction Activities is contingent upon maintaining eligibility as provided for in the requirements and conditions of the general permit, and paying the annual fee.

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.

_____ _____

Signature Date

_____

Name and Official Title (Please Print)

#4

General Permit No.: S-MCST-0110-1

Kansas Water Pollution Control General Permit
and Authorization to Discharge

STORMWATER RUNOFF FROM CONSTRUCTION ACTIVITIES

Under the National Pollutant Discharge Elimination System

Pursuant to the Provisions of Kansas Statutes Annotated 65-164 and 65-165; the Federal Water Pollution Control Act as amended (33 U.S.C. 1251 et seq.; the "Clean Water Act"); and the Kansas Surface Water Quality Standards (K.A.R. 28-16-28 et seq.), this general NPDES permit authorizes the permittee to discharge stormwater runoff from construction activities on the site described in the authorized Notice of Intent (NOI) in accordance with the limitations and conditions set forth in this general NPDES permit.

Include a complete copy of this document in the SWPPP.

Submission of a complete NOI does not automatically authorize coverage under this general NPDES permit. Coverage is provided and discharges may commence when the Kansas Department of Health and Environment (KDHE) authorizes coverage under this general permit. A signed and dated copy of the authorized NOI will be provided to the permittee.

This general NPDES permit is effective **March 1, 2003** through **December 31, 2006**. This general NPDES permit authorization supersedes all previous permits, agreements, decrees, or orders, in effect between KDHE and the permittee for the discharge of stormwater runoff from construction activities at the site specified in the authorized Notice of Intent (NOI).

The permittee is authorized to use the general NPDES permit to cover the construction activities described in the authorized NOI from the date the NOI is authorized by the Department through the expiration date of this general NPDES permit.

_____

Secretary, Kansas Department of Health and Environment

March 1, 2003
Date

The City of Overland Park KANSAS

Issue Date: 12/19/2005

#6

LAND DISTURBANCE PERMIT LDP2004-00050

Planning and Development Services, Building Safety | 8500 Santa Fe Drive | 913-895-6205

Address:

Case Name:

Project Name:

Development Type:

Total Disturbance Area (Acres):

Construction Cost:

Legal Description:

Case Notes: Land Disturbance- - City Project-fees waived

Permit Holder:

Co

A completed City of Overland Park LDP will be issued to the owner or contractor and must be signed. Place copy on the SWPPP.

Type	Amount Due	Amount Paid
Land Disturbance Permit Fee	$0.00	$0.00
Total:	**$0.00**	**$0.00**

Erosion Control Surety Amount: $0.00

This permit authorizes the permit holder to proceed with the work as described above and is conditioned upon strict compliance with all the provisions of the Zoning Regulations and the Municipal Code as adopted by the City of Overland Park. This permit authorizes Land Disturbances only. A separate permit is required to install any structures or site infrastructure. By signing this document, the undersigned agrees to comply with the approved plans and/or any special conditions, which may have been stipulated as conditions for permit issuance. This Land Disturbance permit is subject to revocation upon any violation of the Zoning Regulations or Municipal code.

The permit holder is responsible for ensuring that all work consummated under this permit is inspected and brought to closure. To schedule inspections please call 895-6220, (use option # 2). The permit is not closed until a Certificate of Compliance has been issued.

This permit shall become invalid if the authorized work is not commenced within 180 days after issuance of the permit, or if the authorized is suspended or abandoned for a period of 180 days after the time of commencing work. The lack of a request for inspections for a period of 180 days will be considered as evidence of suspension or abandonment. Disturbed areas must be stabilized within 21 days after temporarily or permanently stopping land disturbance activities. Non-responsiveness may result in City abatement at the permit holder's expense.

I understand that I will be held responsible for ensuring all necessary inspections are performed and that the City's erosion and sediment control requirements are met. I understand that this work may also require filing a Notice of Intent (NOI) from the Kansas Department of Health and Environment (KDHE). I have made the contractor and all subcontractors fully aware of the Erosion and Sediment Control Plan and the City's requirements. I also understand that until a Certificate of Completion is issued and the Land Disturbance permit is closed, funds and/or letters of credit used for erosion and sediment control surety will not be released by the City.

Call for CITY inspections:

1. AFTER installing perimeter erosion control devices but BEFORE beginning other work on the site.
2. AFTER the site is permanently stabilized.

PERMIT HOLDER self-inspections and documentation required:

1. Once per month.
2. After every rain event of one-half inch or greater in a 24-hour period.
3. Records must be kept for City review when requested.

See Page 2

The City of Overland Park KANSAS

FIELD

PERMIT

PERMIT NUMBER:
LDP2004-00050

Date: 12/19/2005

Land Disturbance

14300 LD NALL ST

This is a copy of the field permit, which must be posted onsite.

Project Name:

Issued To:

Call For Inspection:
1. Prior to placement of concrete.
2. Prior to concealing any work.
3. Final inspection approval required before a Certificate of Occupancy is issued. (Occupancy is not permitted until a certificate has been obtained.)

This Permit Must Be Posted On The Front Of The Building Site.
Violation of Regulations Subject to Penalty

For Inspection, call 895-6220, #2
Cut-off time to schedule an inspection for the next working day is 4 p.m.

PLANNING AND DEVELOPMENT SERVICES DEPARTMENT
8500 Santa Fe Drive
Overland Park, Kansas
66212

#7

Chapter 16.200
EROSION AND SEDIMENT CONTROL

Sections:

16.200.010 Purpose of Ordinance
The purpose of this Ordinance is to set forth procedures for controlling erosion and sedimentation caused by Land Disturbance activities, thereby providing for the protection and enhancement of the water quality of watercourses, Water Bodies, and wetlands.
(History: Ord. BC-2419 §1, 2003)

16.200.020 Definitions For the purposes of this Ordinance, the following terms, phrases, words and their derivations shall have the meaning given herein or as defined in Title 18:

A. "Best Management Practices", or "BMPs" mean physical facilities, schedules of activities, prohibitions of practices, maintenance procedures, and other management practices which, when properly designed, installed and maintained, will be effective to prevent or reduce the discharge of water or air pollution associated with Land Disturbance activities regulated by th[illegible] ıance.

B. "Certified Professio[illegible] ıt Control (CPESC) " means an individual who is curre[illegible] ıued by CPESC, Inc., or other Person holdir[illegible] .re and submit an Erosion and Sediment Contrc[illegible]

Include a complete copy of this document in the SWPPP.

C. "Code" r[illegible] ..ıd Park Municipal Code.

D. "Director" means the Director of Planning and Development Services Department or the Director's authorized representative.

E. "Erosion" means the wearing away of land by the action of wind, water, gravity or ice or a combination thereof.

Insert a Tabbed Divider here called

PROJECT SPECS AND PLANS

#8

S-42 TEMPORARY EROSION AND POLLUTION CONTROL

The Contractor shall utilize temporary erosion control methods on the project site to prevent mud/debris from entering the portions of the roadway open to traffic, to prevent mud/debris from entering the completed storm sewer system, and to prevent damage to yards of existing occupied residences. Temporary Erosion Control shall conform to Section 904 of the Standard Specifications and Special Provision 90P-151-R8, a copy of which is included at the end of these specifications. The forms of temporary erosion control to be used shall include but not be limited to construction of temporary cutoff ditches and installation of staked straw bales, straw wattles, temporary hydro seeding, and erosion control fabrics.

S-42.1 Measurement and Payment

This work shall be paid for at the contract unit price bid for items as shown on the plans or in the Special Provision.

S-43 SODDING

This work shall consist of furnishing and ndicated on the plans or as designated by the Engineer in rd Specifications except as modified herein. All equipme with Section 901 of the Standard Specifications except

A copy of all erosion and sediment control related pages from the project specifications should be included in the SWPPP

S-43.1 Sod Types

The type of sod to be used will b ky Bluegrass sod, except where Zoysia sod or Turf Type Fescue sod is identified under the property owners name and address on the plans, or designated by the Engineer. In the case of mixtures of Bluegrass and Zoysia sod, Zoysia shall be used unless otherwise directed by the Engineer.

S-43.2 Sod Material

All materials shall conform to the requirements of these Specifications and to Section 2107 of the Standard Specifications. The Contractor shall retain a person knowledgeable of the different types of sod to ascertain prior to bidding, the location and types of existing sods. Sod shall be of best quality Bluegrass, Zoysia, or Turf Type Fescue, not more than two years old, shall conform to the quality standards of Nursery Grown Sod as defined by the American Sod Producers Association, and shall meet the following standards:

a) Thickness of Cut: Sod shall be machine cut at a uniform soil thickness of 5/8 inch, plus or minus 1/4 inch, at the time of cutting. Measurement for thickness shall exclude top growth and thatch.

b) Pad Size: Individual pieces of sod shall be cut to the suppliers's standard width and length as approved by the Engineer. Maximum allowable deviation from standard widths and lengths shall be plus or minus 1/2 inch on width and plus or minus 5 percent on length. Broken pads and torn or uneven ends will not be acceptable.

c) Strength of Sod Sections: Standard size sections of sod shall be strong enough to support their own weight and should retain their size and shape when suspended vertically from a firm grasp on the upper 10 percent of the section.

d) Moisture Content: Sod shall not be harvested or transplanted when moisture content (excessively dry or wet) will adversely affect its survival.

e) Mowing Height: Before stripping, sod shall be mowed uniformly at a height of 2 to 3 inches.

f) Thatch: Sod shall be relatively free of thatch, up to 1/2 inch allowable (uncompressed).

g) Diseases, Nematodes, and Insects: Sod shall be reasonably free of diseases, nematodes, and soil-borne insects. State nursery and/or plant materials' laws require that all sod entering

SC-13 WATER POLLUTION CONTROL: Contractor shall prevent the pollution of streams, lakes, wetlands, drainageways or storm sewers from fuel, oils, hazardous chemicals, sediment, trash, debris, or other substances resulting from construction activities.

All trash shall be placed in dumpsters or trash barrels provided by the Contractor and accumulated trash shall be hauled offsite and properly disposed. Floating debris found in any waterbody on or immediately adjacent to construction shall be removed immediately, regardless of source. Hazardous wastes shall be stored, transported offsite, and disposed of properly. Sanitary facilities must be made available and their use enforced by the Contractor.

All equipment used onsite shall be free of leaks and receive regular preventative maintenance and be inspected daily to reduce chance of leakage. No fueling, servicing, maintenance, or repair of equipment shall be done within 50 feet of a stream, drainageway, lake, storm sewer manhole or other water body. Fuel tanks onsite shall in good condition, free of leaks or drips, painted brightly for visibility, monitored daily and shall sit behind or within a secondary containment tank or earthen berm.

Concrete wash or rinsewater from concrete mixing equipment, tools and/or ready-mix trucks, tools, etc, may not be discharged into or be allowed to run directly into any existing water body or storm inlet. One or more locations for concrete wash out will be designated on site, such that discharges during concrete washout will be contained in a small area where waste concrete can solidify in place and excess water evaporated or infiltrated into the ground.
Chemicals or materials capable of causing pollution may only be stored onsite in their original container. Materials stored outside must be in closed and sealed water-proof containers and located outside of drainageways or areas subject to flooding. Manufacturers data regarding proper use and storage, potential impacts to the environment if released, spill response, and reportable quantities for spill reporting shall be maintained by the field superintendent onsite at all times. Locks and other means to prevent and reduce vandalism shall be used.

All spills in excess of reportable quantities shall be reported to all of the following within 24 hours of their occurrence: KDHE 24-hour spill response center (785) 296-1679; KDHE Northeast District, Lawrence, (785) 842-4600; and the National Spill Response Center 1-800-424-8802. Spills that pose immediate threat to public safety or contamination of a water body shall be reported immediately to the Overland Park Fire Department at 911. Such spills shall also be reported to the Kansas Division of Emergency Management, (800) 275-0297 or (785) 296-8013.

Contractor shall respond immediately by containing with an appropriate device or earthen berms and shall prevent its migration with sawdust, sand, kitty litter, rags or other absorbants. Manufacturer recommendations shall be followed. Leaks from broken hoses will be immediately contained with house clamps, plugs, or drained into leak-tight containers. Contractor shall have onsite at all times and ready for immediate use the necessary tools, equipment, and supplies to respond to a spill or leak. Contractor personnel shall be trained to properly respond immediately to a leak or spill. All spills shall be cleaned up and disposed of in accordance with applicable regulations or as directed by Kansas Division of Health and Environment or other applicable agency.

Herbicides, pesticides and fertilizers used as part of the work shall be applied only in accordance with manufacturer recommendations. Direct spray into water bodies shall be avoided. Such chemicals shall not be used if rain is forecast within 24 hours, unless they are approved for wet weather application.

Care will be taken to avoid excessive disturbance or erosion of land area and controls shall be maintained to prevent migration of silt and sediments into water bodies. Provisions of the contract for erosion and sediment control shall be followed.

KANSAS DEPARTMENT OF TRANSPORTATION
SPECIAL PROVISIONS TO THE
STANDARD SPECIFICATIONS, 1990 EDITION

Page 697, Section 904. Delete this Section and replace with this:

SECTION 904

TEMPORARY EROSION AND POLLUTION CONTROL

904.1 DESCRIPTION.

Install, maintain, and remove temporary erosion and pollution control devices as required during the construction of the project.

BID ITEM	UNIT
Erosion Control (*)	Square Yard (sq m)
Sediment Removal (SET PRICE)	Cubic Yard (cu m)
Temporary Berm	Linear Foot (m)
Temporary Ditch Check	Linear Foot (m)
Temporary Fertilizer (N-P_2O_5-K_2O)	Pound (kg)
Temporary Inlet Sediment Barrier	Each
Temporary (**) Mulching	Acre (ha)
Temporary Sediment Basin	Cubic Yard (cu m)
Temporary Seed (***)	Pound (kg)
Temporary Seeding	Lump Sum
Temporary Slope Barrier (SET PRICE)	Linear Foot (m)
Temporary Slope Drain	Linear Foot (m)
Temporary Stream Crossing	Each

* Class & Type

**Type of Mulch. If the [illegible] Hay; other types of mulch may be used only if the [illegible]

*** Type

If a reference spec is used (KDOT, APWA, etc) – include a full copy in the SWPPP.

904.2 MATERIALS.

a. Provide seed[illegible]ers, mulches, erosion control materials, and silt fences that comply with the requirements of **Section 2100** (including **Special Provisions 90P/M-138, -152, -177,** and **-193**, latest revisions).

Provide aggregate that complies with the requirements for aggregate ditch lining, D_{50} = 6 inches (150 mm), **Section 1100**.

b. Temporary Slope Drain. Provide metal pipe, plastic pipe, or flexible rubber pipe. for temporary slope drains.

#9

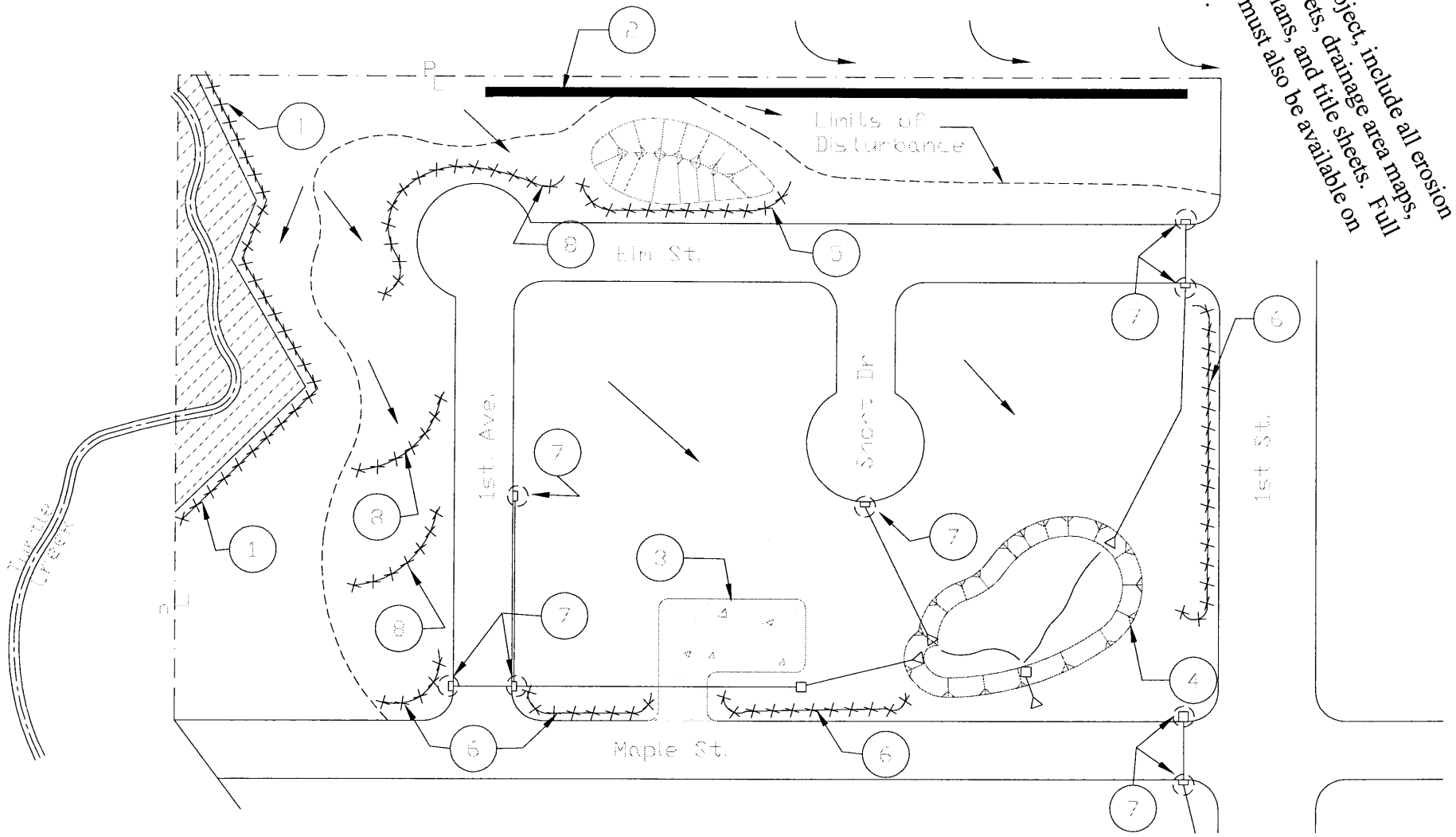
27	Inlet (9' x 4') (Curb, Non-Setback)	Each	1		
28	Inlet (6' x 6') (Curb, Non-Setback)	Each	1		
29	Inlet (6' x 4') (Curb, Non-Setback)	Each	13		
30	Inlet (4' x 4') (Grate)	Each	2		
31	Inlet (6' x 6') (Area)	Each	1		
32	Inlet (8' x 4') (Area)	Each	1		
33	Inlet (6' x 4') (Area)	Each	2		
34	Inlet (5' x 4') (Area)	Each	1		
35	Inlet (4' x 4') (Area)	Each	1		
36	Inlet (7' x 7') (Area)	Each	1		
37	Junction Box (6' x 4')	Each	1		
38	Junction Box (6' x 6')	Each	1		
39	Sanitary Lateral Relocation (6" PVC)	Lin. Ft.	154		
40	Sanitary Sewer Encasement	Lin. Ft.	104		
41	Adjustment of Manholes	Each	3		
42	Fence (42" Chain Link)	Lin. Ft.	1,262		
43	Fence (72" Chain Link)	Lin. Ft.	80		
44	Fence (72" Wood Privacy)	Lin. Ft.	65		
45	Temporary Fence (42")	Lin. Ft.	1,378		
46	Temporary Fence (72")	Lin. Ft.	409		
47	Gate (42" Chain Link) (3' Wide)	Each	7		
48	Gate (42" Chain Link) (3.5' Wide)	Each	2		
49	Gate (42" Chain Link) (4' Wide)	Each	1		
50	Gate (42" Chain Link) (2-5' Wide Double)	Each			
51	Gate (72" Wood Picket) (4.5' Wide)	Each			
52	Traffic Control	LS			
53	Miscellaneous Landscaping	LS			
54	Tree Replacement	Each	.2		
55	Bushes and Shrubs	Each	85		
56	Landscape Bed	Sq. Ft.	535		
57	Lawn Sprinkler System	Each	1		
58	Sediment Retention Wattle	Lin. Ft.	1,500		
59	Gravel Filter Bag (2' Long)	Each	100		
60	Silt Fence	Lin. Ft.	600		
61	Sod (Kentucky Bluegrass)	Sq. Yd.	248		
62	Sod (Fescue)	Sq. Yd.	9,746		
63	Sod (Zoysia)	Sq. Yd.	824		
64	Topsoil	Cu. Yd.	150		
65	Project Sign	Each	1		
66	Contractor Construction Staking	LS	1		

Include a copy of the completed bid-sheet, showing items to be used and estimated quantities and prices, when applicable

TOTAL BID $_____

EXAMPLE
EROSION & SEDIMENT CONTROL STAGING PLAN
(Contours not shown for clarity)

On a real project, include all erosion control sheets, drainage area maps, grading plans, and title sheets. Full plan set must also be available on the job.



#10

VERY BIG ROAD
EROSION CONTROL PLAN
SHEET 1 OF 2

Example Erosion and Sediment Control Staging Chart

Project Stage	BMP Plan Ref No.	BMP Description	Remove after Stage:	Notes:
A - Prior to Land Disturbance/Sanitary Sewer Installation	1	Construction Fence	D	Place at edge of natural stream corridor
	2	Temporary Earth Diversion Dike	D	Remove only when graded areas south of berm have sufficient ground cover established.
	3	Constr Entrance & Staging Area	D	
B - Mass Grading	4	Temp Sediment Basin	E	Convert to Detention Basin after 80% built out of houses.
	5	Sediment Fence	C	Place 5' beyond toe slope of soil stockpile area.
	6	Sediment Fence	E	Place at ROW line
C - Storm Sewer Installation	7	Inlet Protection	E	Use Block & Gravel protection prior to street paving. Use gravel bag inlet protection after street paving.
D - After Street Construction/Ready for Building	8	Sediment Fence	E	Where indicated adjacent to street - place at back of curb.
	9	Seeding and Mulching	N/A	
E - During Building Construction until closure of Land Disturbance Permit				

On a real project, include all erosion control sheets, drainage area maps, grading plans, and title sheets. Full plan set must also be available on the job.

VERY BIG ROAD
EROSION CONTROL PLAN
SHEET 2 OF 2

Insert a Tabbed Divider here called

CONTRACTOR INFORMATION

#11

CONTRACTOR'S CERTIFICATION FORM

For Stormwater Discharges Associated with Construction Activity
Authorized by a Kansas Water Pollution Control General Permit
Under the National Pollutant Discharge Elimination System

This form is to be completed by the Contractor responsible for implementation of the day to day activities necessary to complete the requirements of the Stormwater Pollution Prevention Plan. This completed form must be included in, or kept with the Stormwater Pollution Prevention Plan for the site identified below.

I certify under penalty of law that I understand the terms and conditions of the Kansas Water Pollution Control general permit that authorizes the stormwater discharges associated with construction activity from the construction site identified below, and the Stormwater Pollution Prevention Plan prepared for the project.

Name of Project: Really Big Road

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

Kansas Water Pollution Control General Permit No. S-MCST-0110-1

Kansas Permit No. < fill in from permit > Federal Permit No. '''

Company Name: Heavy Equipment Construction

Company Address: '''

'''

Company Phone Number: '''

Project Responsibilities: All Sitework and Construction, Including Grading, paving, utilities, stormwater and final seeding /sod.

Contractor's Signature: I Am The Owner

Name (typed or printed): I AM THE OWNER.

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Proposed Schedule - by
Heavy Equipment Construction
for Very Big Road Project

Stage	Activity	Begin Date	End Date	Days
A	Install Initial Erosion Control Measures	4/1/2005	4/8/2005	7
	Demo Structures and Remove Trees	4/8/2005	4/15/2005	7
	Allow for Utility Relocations	4/1/2005	4/21/2005	20
B	Install Storm Sewer Trunk Lines	4/15/2005	6/1/2005	47
	Begin Major Cut/Fills	4/15/2005	6/15/2005	61
	Finish Grade and Subgrade Sta 0 to 14	5/15/2005	6/22/2005	38
	Pave Sta 0 to 14	6/22/2005	7/15/2005	23
	Mulch and Blankets Sta 0 to 14	7/15/2005	7/22/2005	7
C	Install Stage C Measures.	8/1/2005	8/3/2005	2
	Complete Storm Laterals	8/1/2005	8/14/2005	13
	Finish Grade and Subgrade Sta 14 to 20	8/1/2005	8/14/2005	13
	Pave Sta 14 to 20	8/14/2005	8/23/2005	9
	Mulch and Blankets Sta 0 to 14	8/23/2005	9/1/2005	9
D	Sod all Disturbed Areas	9/15/2005	9/30/2005	15

Note: On a real project, the level of detail for work and related erosion and sediment control measures should generally be much more in-depth. This is provided only as an example.

Insert a Tabbed Divider here called

INSPECTION AND AMENDMENT LOGS

BMP Inspection Checklist

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General notes about Inspections:

1) Site inspected regularly (Proportional to amount of construction activity)
2) Minimum **monthly** inspections
3) Within 24 hours of the end of a storm with rain >0.5"
4) Deficiencies corrected within 7 calendar days of inspection

3 key elements to look at during inspection

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

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

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

Sediment Barriers (ie:ditch checks)

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

Perimeter Control (ie: silt fence, straw wattles)

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

Stabilized Construction Entrance

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

Stream Crossing

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

Final or temporary Stabilization area

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

Borrow Areas

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

Sediment Basin

- ✓ Note the basin depth. Is the basin more than ½ full of sediment from original design?
- ✓ Condition of basin side slopes
- ✓ Evidence of overtopping embankment
- ✓ Condition of outfall

General Site Conditions

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

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Erosion and Sediment Control Inspection Report Form

Really Big Road

Project Name and Location

Weather: Sunny 72°F

Rain in last 24 hrs (inches): None

Owner / Permittee: **Successful Partnerships**

Pollution Control Measures (BMP) Checklist:

- ✓ Inlet Barrier (ie: gravel bags)
- ✓ Sediment Barriers (ie: ditch checks)
- ✓ Erosion Blankets, Hydromulch / Seed, etc
- ✓ Stabilized Construction Entrance
- Not Appl. Stream Crossings
- N/A Seed / Sod Areas
- N/A Sediment Basins & Discharge Locations
- N/A Borrow Areas
- ✓ General Site Condition (trash, etc)

A. Current Construction / Active Areas:

No Grading Started. Installing All Controls for Erosion. City Inspected Today

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

BMP	Location	Observations, Effectiveness, & Corrective Actions Ordered
Silt Fence	Sta 11+00 Rt	Poor Installation. Re-trench and Fix
Const. Entrance	SE End	Need More Rock.

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

None Yet

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

This is First Inspection

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

5/15/05
Date of Inspection

Jane Rogers
Inspector Signature

Erosion and Sediment Control Inspection Report Form

Really Big Road

Project Name and Location

Weather: Rain + Overcast

Rain in last 24 hrs (inches): 0.7"

Owner / Permittee: **Successful Partnerships**

Pollution Control Measures (BMP) Checklist:

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

A. Current Construction / Active Areas:

Installing Storm Sewers.

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

BMP	Location	Observations, Effectiveness, & Corrective Actions Ordered
Silt Fence	Various	Most Worked well. 3 spots need Repair and Cleanup
Inlet Protection	Inlet 21, 22	SAND BAGS moved. Need to put back.

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

Area Inlets # 14 and #15 are finished and will be sodded next week

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

All work done w/in 7 days of that Inspection

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

6-3-05
Date of Inspection

Jane Rogers
Inspector Signature

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Stormwater Pollution Prevention Plan (SWPPP)
Record of Amendments

Really Big Road
Project Name and Location

Successful Partnerships, Inc.
Owner/Permittee

Smart Designer, P.E - Common Sense LLP
SWPPP Preparer (Engineer or other Qualified Profession)

Amend. No.	Date	Approved by:	Describe Amendment in General (More details may be marked on the drawings or noted in the daily inspection reports)
1.	6/1/2000	S. Designer	Adjusted silt fence locations around Sta 10+00 Lt to better intercept offsite areas (see plans)
2.	6/12/2000	S. Designer	Temp seeding applied7 days behind schedule due to rain delay. Added additional mulch.