



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: Jay Russell
Company Name: R & R Realty, L.L.C.
Owner or Operator's Phone: 316-722-2417
Mailing Address: P.O. Box 75337
City: Wichita State: KS Zip Code: 67275-5337
Will permit records be located on site? [X] Y; [] N
Owner's Contact Name: Rob Ramseyer
Company Name: Same
Contact Phone: 316-684-7300
Mailing Address: 8100 E. 22nd St. N. Bldg. 1000
City: Wichita State: KS Zip Code: 67226

II. SITE INFORMATION

A. LOCATION

Project Name: Northgate Addition
Street Address: 53rd N. & Meridian
City: State: Zip Code:
Physical Location: NW Corner of 53rd St. N. & Meridian
NE 13 26 South, 1 Range
County: Sedgwick

For Official Use Only:

Table with 2 columns and 4 rows containing permit details: Received RECEIVED, Paid \$60, Date 5-4-06, Initials dg, Check No 29629, Authorized [X] Y; [] N, Reviewer signature, Secretary signature, Date 5/8/06, KS Permit No. S-AR94-0384, Federal Permit No. KSR 103279

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: _____

Name of the first receiving water; stream; or lake: Arkansas River River Basin: _____

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 1/2 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: _____

Are any Critical Water Quality Management Areas, Special Aquatic Life Use Waters,
or Outstanding National Resource Waters located within 1/2 mile of the site boundary? Y; N

C. PROJECT DESCRIPTION

Project Description: 245 Residential Lots

Anticipated Start Date: 5/1/2006 and Completion Date: 5/1/2016

Estimated area to be disturbed: 139.99res Total area of the site: 139.99res

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.

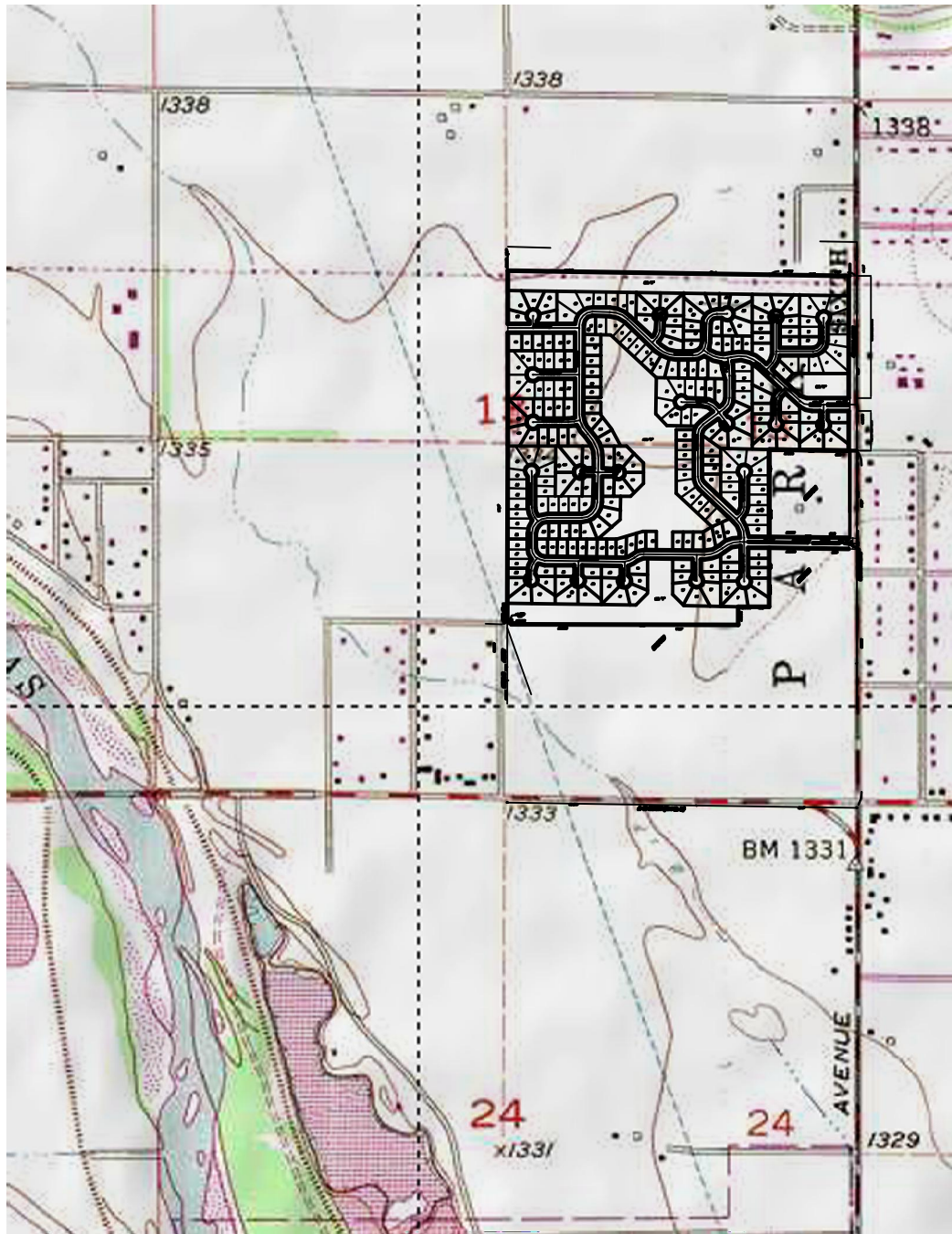
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage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

Jay W. Russell - Owner

Name and Official Title (Please Print)

Date



NO SCALE

NORTHGATE ADDITION
Wichita, Sedgwick County, Kansas
USGS QUADRANGLE



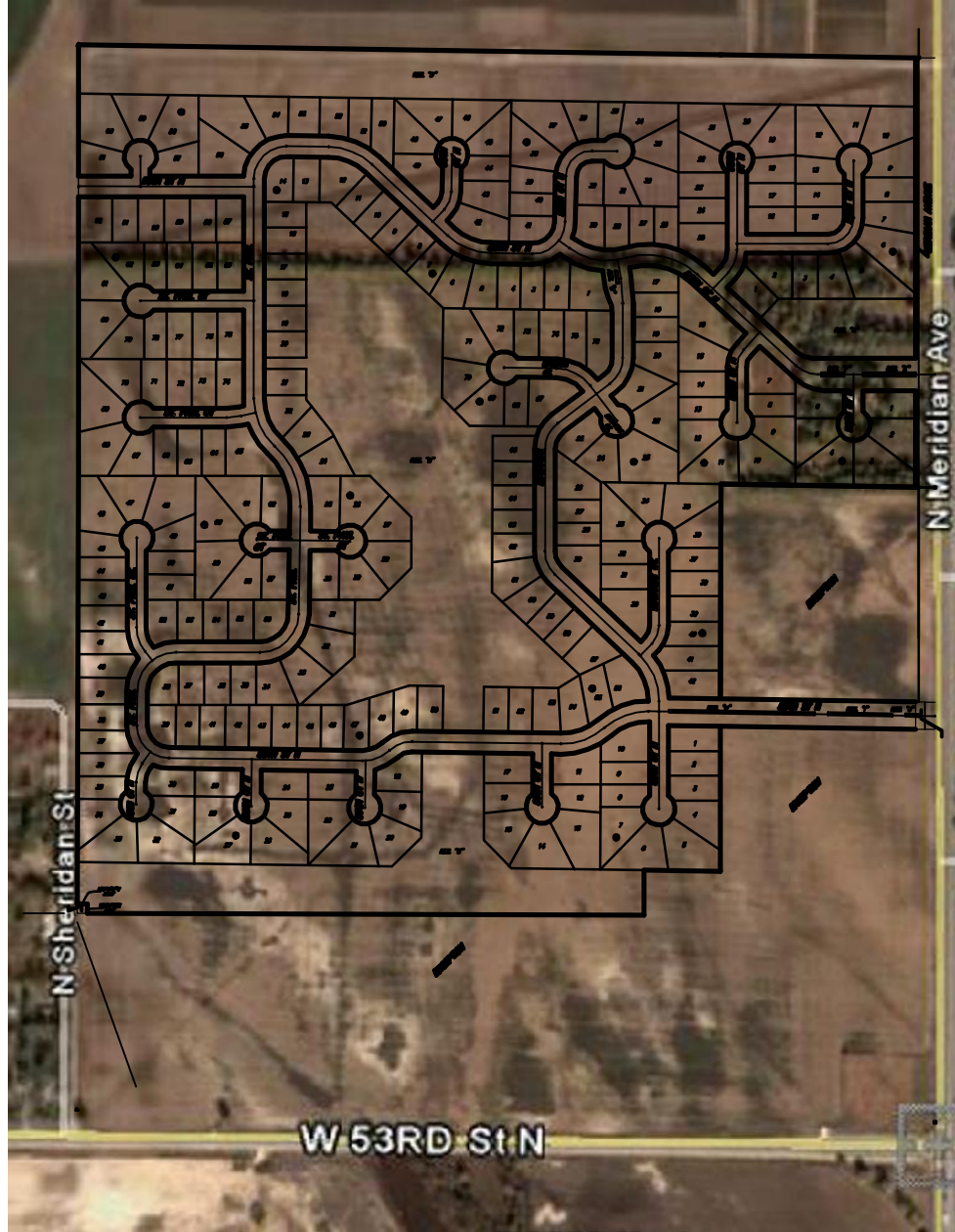
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ENGINEERING | SURVEYING | PLANNING
LANDSCAPE ARCHITECTURE

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Storm Water Prevention Plan For Northgate Addition Wichita, Sedgwick County, Kansas



Developed For
R & R Realty, L.L.C.
Jay W. Russell
P.O. Box 75337
Wichita, Kansas 67275-5337

April 26, 2006

**NORTHGATE ADDITION
STORMWATER POLLUTION PREVENTION PLAN**

Project Name and Location:	Northgate Addition NE ¼ of Sec. 13, Twp. 26-S, R-1-W Wichita, Sedgwick County, Kansas
Owner Name and Address:	Jay W. Russell P.O. Box 75337 Wichita, KS 67275-5337

DESCRIPTION: (Purpose and Types of Soil Disturbing Activities)

This is a 245 Lot Residential Development.

Soil disturbing activities will include: clearing and grubbing; installing a stabilized construction entrance, perimeter, and other erosion and sediment controls; grading; excavation for the sedimentation ponds, storm sewer, utilities, and building foundations; construction of curb and gutter and road; preparation for final planting and seeding.

RUNOFF COEFFICIENT: The final coefficient of runoff for the site will be $c = 0.59$

SITE AREA: The site is approximately 139.99 acres of which 139.99 acres will be disturbed by construction activities.

SEQUENCE OF MAJOR ACTIVITIES

- | | |
|--|---|
| <ol style="list-style-type: none"> 1. Clear and grub for site grading. 2. Strip existing topsoil and stockpile. 3. Construct sedimentation basin. 4. Continue mass grading site. 5. Spread topsoil over finish grade. 6. Construct sanitary sewer, storm sewer, water lines, and street pavement. 7. Complete grading and install temporary and | <ol style="list-style-type: none"> 8. Install gas, telephone, electric, and other utilities. 9. Construct homes on individual lots. 10. Maintenance BMPs. 11. Install permanent seeding/sod and plantings. 12. When all construction activity is completed and the site is stabilized, remove all temporary structural BMPs. |
|--|---|

NAME OF RECEIVING WATERS: The entire site will drain to a point to the southwest, all of which discharges into the Arkansas River. (See USGS quadrangle sheet for details)

CONTROLS

Erosion and Sediment Controls

Stabilization Practices

In order to control erosion due to wind and water and to minimize sedimentation run-off during construction activities, the Contractor should implement a number of stabilization or mitigation techniques. Some of these techniques are as follows:

Temporary Stabilization. Top soil stock piles and disturbed portions of the site where construction activity is anticipated to cease for at least 21 days should be stabilized with temporary seed no later than 14 days from the last construction activity in that area. In some locations, mulch may be required to stabilize the seeding. The temporary seed shall be Rye (grain) applied at the rate of 120 pounds per acre. Prior to seeding, 350 pounds of 10-10-10 fertilizer shall be applied to each acre to be stabilized. After seeding, each acre shall be mulched with 4,000 pounds per acre of straw. When required, the straw mulch is to be tacked into place by a disk with blades set nearly straight or by other approved methods. Areas of the site which are to be paved are recommended to be temporarily stabilized by applying geotextile and stone sub-base or other approved methods until bituminous pavement can be applied.

**NORTHGATE ADDITION
STORMWATER POLLUTION PREVENTION PLAN**

Permanent Stabilization. Disturbed portions of the site where construction activities permanently ceases shall be stabilized with permanent seed no later than 14 days after the last construction activity. The permanent seed mix shall consist of 320 lbs/acre of Rebel II fescue or other approved seed. Prior to seeding, 1,000 pounds of 10-10-10 fertilizer shall be applied to each acre to be stabilized. After seeding, each area shall be mulched with 4,000 pounds per acre of straw. The straw mulch is to be tacked into place by a disk with blades set nearly straight or by other approved methods.

Mulching. In some cases where a shorter duration of inactivity exists, the contractor may elect to only mulch an area. Mulch should be applied at the same rate as required when seeding. Mulch should be tacked into place by a disk with blades set nearly straight or by other approved methods.

Sodding. Sodding stabilizes an area by immediately covering the surface with vegetation and by providing areas where stormwater can infiltrate the ground. Sodding should not be used for slopes greater than 3:1 unless approved measures are taken to prevent the sod from slumping. Sodding should be performed in accordance with industry practices.

Earth Dikes. Where possible, temporary earth dikes or berms should be constructed to divert runoff around the construction site. The dikes may also be constructed to collect runoff from the disturbed area and to direct the runoff to sediment basins. When possible, dikes should be constructed utilizing existing site material. Dikes should be compacted to a standard Proctor density of 90%. Dikes that are anticipated to be utilized for a period greater than 21 days should be stabilized with seeding as described above.

Sediment Basins. Where possible, sedimentation basins should be constructed to trap and retain sediment in storm water runoff. Basins should be drained by the use of outlet pipes with rip-rap outlet aprons. Basins should be sized to handle a storage equivalent to a storm as determined and required by the appropriate governmental agencies. Once construction activities are nearly complete, the accumulated sediment can be removed from the basin and disposed of in an approved location.

Sediment Traps. As an alternative means of trapping silt, the contractor shall use check dams, terraces, silt fences, gravel traps, hay bales, and/or other means to capture sedimentation in storm water runoff. Sedimentation traps should be used in drainage swales and around stormwater drain inlets.

Geotextiles. Geotextiles are available in a variety of fabrics for various applications. Geotextiles can be used as a mulch mat to protect slopes and plantings or as a filter fabric to stabilize flow in channels and swales. The geotextiles used should meet the requirements of the intended purpose and application.

Chemical Stabilization. Chemical stabilization commonly refers to chemical mulch, soil binders, or soil palliatives. Materials made of mainly, asphalt, or rubber are sprayed onto the surface of the soil to hold the soil in place and to protect the surface against erosion from stormwater run-off and wind. The manufacturer's recommended application rates and procedures should be closely followed.

Gravel or Stone Filters. Gravel or stone filters are well-graded gravel or crushed rock berms or filters which provide inlet protection or flow protection at selected locations. The filters trap sediment preventing sediment from entering storm drain systems and receiving waters.

Dust Control. Wind erosion typically occurs wherever the surface soil is loose or dry, vegetation is sparse or absent, and the wind is sufficiently strong. Dust control can be accomplished through the use of a variety of measures. Some dust control practices include mulching, spray-on adhesives, calcium chloride, and water sprinkling.

**NORTHGATE ADDITION
STORMWATER POLLUTION PREVENTION PLAN**

STORM WATER MANAGEMENT

Storm water drainage will be provided by curb and gutter, storm sewer and catch basin, for developed areas. The areas which are not developed will be graded and have permanent seeding or plantings. When construction is complete the entire site will drain to a wet detention basin. The wet detention basin will be in the location of the temporary sediment basin. The wet detention basin's side slopes will be stabilized with erosion blankets and vegetation. The high bank will have a temporary earth dike or silt fence installed around the upstream side of the pond to protect the side slopes from rills developing. The pond has been designed by a professional engineer to keep peak flow rates for the two and hundred year/24 hour storms at their pre-developed rates. The outlet of the detention basin will be stabilized with rip rap apron.

OTHER CONTROLS

Waste Disposal:

Waste Materials –

All waste material will be collected and stored in a securely lidded metal dumpster from a licensed solid waste management company. The dumpster will meet all local and any State solid waste management regulations. All trash and construction debris from the site will be deposited in the dumpster. The dumpster will be emptied when filled and hauled to an appropriate trash facility. No construction waste will be buried onsite. All personnel will be instructed regarding the correct procedure for waste disposal.

Hazardous Waste-

All hazardous waste materials will be disposed of in the manner specified by local or State regulations or by the manufacturer. Site personnel will be instructed in these and the Contractor who manages day-to-day site operations, will be responsible for seeing that these practices are followed.

Sanitary Waste-

All sanitary waste generated by personnel on-site will be collected from portable units and removed from the construction site in accordance with local regulations.

Offsite Vehicle Tracking:

A stabilized construction entrance will be constructed to help reduce vehicle tracking of sediments. Any dirt or mud tracked off the construction site onto paved public or private streets, or ditches, or discharges of same into drainage features will be cleaned up on or before the end of the working day that the occurrence was made. Paved streets adjacent to construction will include removal of mud/dirt or rock tracked from the site. Any dump trucks hauling material from or to the construction site will be covered with a tarpaulin.

TIMING OF CONTROLS/MEASURES

Earth dikes, stabilized construction entrances and sediment basins should be constructed prior to or immediately after the clearing or grading of the site. Areas where construction activity temporarily ceases for more than 21 days should be stabilized with a temporary seed and mulch within 14 days of the last disturbance. Once construction activity ceases permanently in an area, that area should be stabilized with permanent seed and mulch. After the entire site is stabilized, the accumulated sediment should be removed from the trap and behind the earth dike/silt fence should be removed.

CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS

This plan was prepared in accordance with the KDHE's Kansas Water Pollution Control Permit and Authorization to Discharge guidelines.

**NORTHGATE ADDITION
STORMWATER POLLUTION PREVENTION PLAN**

MAINTENANCE/INSPECTION PROCEDURES

Erosion and Sediment Control Inspection and Maintenance Practices

These are the inspection and maintenance practices that will be used to maintain erosion and sediment controls.

1. All control measures will be inspected at least once each week and following any storm event of 0.5 inches or greater.
2. All measures will be maintained in good working order; if a repair is necessary, it will be initiated within 24 hours of the report.
3. Built up sediment will be removed from silt fence when it has reached one-third the height of the fence.
4. Silt fence will be inspected for depth of sediment, tears, to see if the fabric is securely attached to fence posts, and to see that the fence post are firmly in the ground.
5. Diversion dike will be inspected and any breaches promptly repaired.
6. Temporary and permanent seeding and planting will be inspected for bare spots, washouts, and healthy growth.
7. A maintenance inspection report will be made after each inspection. A copy of the report form to be completed by the inspector is attached.
8. The developer or site superintendent will select several individuals who will be responsible for the inspections, maintenance and repair activities, and filling out the inspection and maintenance report.
9. Personnel selected for inspection and maintenance responsibilities will be trained in all the inspection and maintenance practices necessary for keeping the erosion and sediment controls used onsite in good working order.

Non-Storm Water Discharges

It is expected that the following non-storm water discharges will occur from the site during the construction period:

- Water from the water line flushing.
- Pavement wash waters (where no spills or leaks of toxic or hazardous material have occurred).
- Uncontaminated groundwater (from dewatering excavation).

All non-storm water discharges will be directed to the sediment basin prior to discharge.

INVENTORY FOR POLLUTION PREVENTION PLAN

The materials or substances listed below are expected to be present onsite during construction:

- | | |
|----------------------------|--------------------|
| • Concrete | • Mastics |
| • Fertilizers | • Masonry Brick |
| • Detergents | • Tar |
| • Petroleum Based Products | • Aggregate |
| • Rebar | • Lubricants |
| • Cleaning Solvents | • Roofing Shingles |
| • Paints | • Fabric Wire Mesh |
| • Wood | • Joint sealants |
| • Mastics | |

**NORTHGATE ADDITION
STORMWATER POLLUTION PREVENTION PLAN**

SPILL PREVENTION

Material Management Practices

The following are the materials management practices that will be used to reduce the risk of spills or other accidental exposure of materials and substances to storm water runoff.

Good Housekeeping:

The following good housekeeping practices will be followed onsite during the construction project.

1. An effort will be made to store only enough products required to do the job.
2. All materials stored onsite will be stored in a neat, orderly manner in their appropriate containers and, if possible, under a roof or other enclosure.
3. Products will be kept in their original containers with the original manufacturer's label.
4. Substances will not be mixed with one another unless recommended by the manufacturer.
5. Whenever possible, all of a product will be used up before disposing of the container.
6. Manufacturers' recommendations for proper use and disposal will be followed.
7. The site superintendent will inspect daily to ensure proper use and disposal of materials onsite.

Hazardous Products:

These practices are used to reduce the risks associated with the hazardous materials.

1. Products will be kept in original containers unless they are not resealable.
2. Original labels and material safety data will be retained; they contain important product information.
3. If surplus product must be disposed of, manufactures' or local and State recommended methods for proper disposal will be followed.

Product Specific Practices

The following product specific practices will be followed onsite:

Petroleum Products:

All onsite vehicles will be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers, which are clearly labeled. Any asphalt substances used onsite will be applied according to the manufacturer's recommendations.

Fertilizers:

Fertilizers used will be applied only in the minimum amounts recommended by the manufacture. Once applied, fertilizer will be worked into the soil to limit exposure to storm water. Storage will be in a covered shed. The contents of any partially used bags of fertilizer will be transferred to a sealable plastic bin to avoid spills.

Paints:

All containers will be tightly sealed and stored when not required for use. Excess paint will not be discharged to the storm sewer system but will be properly disposed of according to manufacturers' instructions or State and local regulations.

Concrete Trucks:

Concrete trucks will be allowed to wash out or discharge surplus concrete or drum wash water on the site at designated areas during construction. It will be the Contractor and Developers responsibility to designate the location and mark it clearly with a sign. All concrete truck washout areas are required to be cleaned up prior to final project approval.

**NORTHGATE ADDITION
STORMWATER POLLUTION PREVENTION PLAN**

Spill Control Practices

In addition to good housekeeping and material management practices discussed in the previous sections of this plan, the following practices will be followed for spill prevention and cleanup:

1. Manufacturers' recommended methods for spill cleanup will be clearly posted and site personnel will be made aware of the procedures and the location of the information and cleanup supplies.
2. Materials and equipment necessary for spill cleanup will be kept on the material storage area onsite. Equipment and materials will include but not be limited to brooms, dust pans, mops, rags, gloves, goggles, kitty litter, sand, sawdust, and plastic and metal trash containers specifically for this purpose.
3. All spills will be cleaned up immediately after discovery.
4. The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with hazardous substance.
5. Spills of toxic or hazardous material will be reported to the appropriate State or local government agency, regardless of the size.
6. The spill prevention plan will be adjusted to include measures to prevent this type of spill from reoccurring and how to clean up the spill if there is another one. A description of the spill, what caused it, and the cleanup measures will also be included.
7. The site superintendent responsible for the day-to-day site operations, will be the spill prevention and cleanup coordinator. The names of responsible spill personnel will be posted in the material storage area and in the office trailer onsite.

RESPONSIBILITIES

Erosion and/or sediment control measures shall be implemented by the Contractor during the construction process in accordance with procedures and practices discussed. Adequate care shall be taken by the Contractor to identify, implement, inspect and maintain the appropriate control measures once established. When applicable, procedures and practices implemented by the Contractor shall follow the manufacturer's recommendations and/or the appropriate governmental agency guidelines. Questions regarding any of the recommended procedures and practices discussed herein can be directed towards the Baughman Company. Unless provided for elsewhere, Baughman Company does hereby expressly disclaim any responsibility for the implementation, inspection, and maintenance of erosion and/or sedimentation control activities implemented by the Contractor and/or Owner.

Contractor and/or Builder:

- A. Complete a contractor's certification form:
One (1) copy shall be retained on-site, one (1) copy shall be given to the lot owner, and submit one (1) copy shall be to the developer.
- B. Complete a SWPPP inspection report at a minimum interval of once per week and after each rainfall event of 0.5" or greater. Inspections shall also be performed following any deliveries that require the removal and replacement of any sediment or erosion protection measure. The inspection form supplied is intended to serve as a guide for weekly inspections and should not be construed as all inclusive of all applicable BMP's for a building site.
- C. Maintain an inventory of all materials and substances that may be present on-site. Any potentially toxic substances shall be protected from exposure to rainfall.
- D. Maintain a listing of all personnel anticipated on-site along with their responsibility, and approximate schedule.
- E. Insure that only necessary personnel be allowed to drive vehicles on unprotected soils.
- F. Maintain SWPPP records and inspection reports on-site and readily accessible to the governing authority, developer, or agents of either of the above entities.

**NORTHGATE ADDITION
STORMWATER POLLUTION PREVENTION PLAN**

Developer:

- A. Amend and update the SWPPP as necessary during the term of construction activity, as described in part VII of the NPDES general permit No.: S-MCST ϕ -0110-1.
- B. Shall notify in writing each contractor, entity (including utility crews, and city employees or their agents) who will perform work on the site of the existence of the SWPPP, as described in part VII of the NPDES general permit No.: S-MCST ϕ -0110-1.
- C. Shall provide any of the above, who are responsible for the installation or maintenance of any BMP a copy of the SWPPP, as described in part VII of the NPDES general permit No.: S-MCST ϕ -0110-1.
- D. Shall make provisions to perform site inspections at a minimum of once per week and after each rainfall event in excess of 0.5". In addition to the minimum interval of inspection, it is suggested that inspections also be performed prior to and immediately after each phase of major construction activity.

POLLUTION PREVENTION PLAN CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed: _____


N. Brent Wooten, P.E.
Baughman Company, P.A.

Date: _____

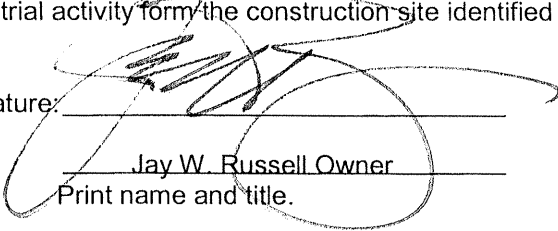


NORTHGATE ADDITION
STORMWATER POLLUTION PREVENTION PLAN

CONTRACTOR'S CERTIFICATION

I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

Signature: _____



Jay W. Russell Owner
Print name and title.

Company name and address:
R & R Realty, L.L.C.
P.O. Box 75337
Wichita, KS. 67275-5337

Responsible For:

