

## **LAND DISTURBANCE ACTIVITY**

### **Division 4100 – GRADING, EROSION AND SEDIMENT CONTROL STANDARDS**

#### **4101.0 General**

##### **4101.10 Purpose**

The Congress of the United States has amended the Clean Water Act of 1972 to reduce Pollutants discharged into the waters of the United States by extending National Pollutant Discharge Elimination System (hereinafter "NPDES") requirements to regulate stormwater and urban runoff discharge from Land Disturbance and Construction activities, into the City's Stormwater Drainage Systems; and,

The City of Shawnee is subject to the NPDES requirements of federal law as an operator of a Small Municipal Separate Storm Sewer System, and the City is therefore obligated by federal law to develop, implement, and enforce minimum Erosion and Sediment control standards in compliance with the City's Kansas Water Pollution Control General MS4 Permit.

The purpose of this Division is to provide Standards and Design Criteria to regulate Land Disturbance and Construction activities related to grading and to control Erosion and Sediment resulting from these activities.

##### **4101.20 Definitions**

As used in this Division, unless from the context a different meaning is intended, or the Shawnee Municipal Code directs that a different definition is to be applied to a provision, the terms or phrases used herein shall have those meanings and definitions as set forth in Chapter 11.04 of the Shawnee Municipal Code.

##### **4101.30 Applicability**

Chapter 11.20 of the Shawnee Municipal Code states that,

"No Person shall authorize or maintain a Land Disturbance activity or Construction Site that fails to comply with the Shawnee Design Manual and the requirements.

No Person shall authorize or maintain a Land Disturbance activity or a Site of Construction that fails to provide and implement Erosion and Sediment Control Best Management Practices to the Maximum Extent Practicable to prevent the discharge of Sediment, Construction materials, concrete truck washout, fuel or other Pollutants beyond the project Construction limits, adjacent staging, storage or parking areas and/or property boundaries or into the City's Stormwater Drainage System, rights-of-way, drainage easements, alleys, or other property of the City.

No Person shall authorize or maintain a Land Disturbance activity or Site of Construction without a Land Disturbance Permit and/or a Site -specific Erosion and Sediment Control Plan approved by the Director prior to any Construction or Land Disturbance activity as required by this Chapter."

A Land Disturbance Permit shall be required to undertake any grading where any disturbance will include more than fifty (50) cubic yards of fill or cut.

**4101.31 Land Disturbance Permit Required**

No Person shall authorize or maintain a Land Disturbance activity without first obtaining any Land Disturbance Permit (LDP) required by Chapter 11.20 Shawnee Municipal Code. The Landowner of the land upon which a Land Disturbance activity takes place, shall be the Person responsible for obtaining any required Land Disturbance Permit except for work conducted in the Right-of-Way or for a recognized Utility. The Person or Construction Site Operator conducting Land Disturbance activities in the Right-of-Way or in a Utility Easement shall also be responsible for obtaining any required Land Disturbance Permit.

- A. A Land Disturbance Permit is required for the following Land Disturbance activities (specific requirements may vary as per the Shawnee Design Manual):
  - 1. The cumulative disturbance of an area greater than or equal to one (1) acre, or
  - 2. The disturbance of any part of a larger common plan of Development or sale that, when completed, will disturb a cumulative area of greater than or equal to one (1) acre, or
  - 3. Any disturbance that will include more than fifty (50) cubic yards of fill or cut, or
  - 4. Any disturbance that occurs in or within fifty (50) feet of a natural or improved Channel or drainage way, or
  - 5. Any disturbance that involves building Construction of new roofed structures of more than one-thousand (1000) square feet on a Site with less than one (1) acre of Land Disturbance.
- B. A Land Disturbance Permit is not required for the following:
  - 1. Work to correct or remedy emergencies, including situations that pose an immediate danger to life or property.
  - 2. Agricultural uses with the exception that if the Director determines that Erosion and Sediment controls are needed then the following standards or permits may be required to be implemented and maintained:
    - a. United States Department of Agriculture Natural Resources Conservation Service Erosion and Sediment Control Standards or
    - b. Land Disturbance Permit may be required.

**4120.00 LAND DISTURBANCE ACTIVITY: GRADING REQUIREMENTS**

**4120.10 General Grading Requirements**

- A. A Land Disturbance Permit shall be required to undertake any grading where any disturbance will include more than fifty (50) cubic yards of fill or cut. Grading plans for residential subdivisions shall be prepared and submitted in accordance with the requirements of this Section 4120.0 and in addition to the requirements detailed in Section 4150.0 Erosion and Sediment Control Standards..
- B. Grading plans shall be submitted and approved with the street improvement plans for a new subdivision, prior to issuance of building permits for subdivisions without public improvements or as separate grading plans.

**4121.10 Grading Specifications**

- A. Specifications:  
Division II – Construction and Material Specifications, Section 2100 – Grading and Site Preparation of the Standard Specifications and Design Criteria, published and adopted on October 21, 1981, by the Kansas City Metropolitan Chapter of the American Public Works Association (KC-APWA), is hereby adopted by reference as the Grading and Site Preparation Specifications for the City, except as required by the Shawnee Design Manual. For areas not addressed by or in conflict with Section 2100 the 2006 IBC shall be used, then the 1997 UBC, and then the Shawnee Design Manual.

**4122.10 Grading Design Criteria**

- A. Design Criteria:  
Pertinent portions of the 1997 Uniform Building Code (UBC), specifically Appendix Chapter 33, the 2006 International Building Code (IBC), specifically Appendix J, and Sections 1704, 1704.2 and 1802 are hereby adopted by reference as the Grading Design Criteria for the City, except as required by the Shawnee Design Manual. The primary design criteria will be the 2006 IBC. For areas not addressed by or in conflict with the 2006 IBC the 1997 UBC shall be used and then the Shawnee Design Manual.

**4150.00 LAND DISTURBANCE ACTIVITY: Erosion and Sediment Control Standards**

**4151.10 General Requirements**

- A. Any Person, Contractor or Construction Site Operator that authorizes or maintains a Land Disturbance activity or a Site of Construction shall provide and implement Erosion and Sediment Control Best Management Practices to the Maximum Extent Practicable and as required by the Shawnee Design Manual to prevent the discharge of Sediment, Construction materials, concrete truck washout, fuel or other Pollutants beyond the project Construction limits, adjacent staging, storage or parking areas and/or property boundaries or into the City's Stormwater Drainage System, rights-of-way, drainage easements, alleys, or other property of the City.
- B. A Land Disturbance Permit approved by the Director is required prior to any Construction or Land Disturbance activity as required by Chapter 11.20 of the Shawnee Municipal Code.
- C. Any Person, Contractor or Construction Site Operator shall immediately take all action necessary to completely abate any violation of Chapter 11.20 of the Shawnee Municipal Code (SMP) including but not limited to the establishment or restoration of Erosion and Sediment Control BMP's, as required by Chapter 11.20 and these specifications, and take remedial action to clean and/or remove Sediment and other Pollutants from a property in violation of Title 11 (SMP).

**4152.1 Erosion and Sediment Control Specifications**

- A. Specifications:  
Division II – Construction and Material Specifications, Section 2150 - Erosion and Sediment Control of the Standard Specifications and Design Criteria, published by the Kansas City Metropolitan Chapter of the American Public Works Association (KC-APWA), is hereby adopted by reference as the Erosion and Sediment Control Specifications for the City, except as required by the Shawnee Design Manual. This adoption shall apply to the most current revision of Section 2150 adopted and approved by KC-APWA.

#### **4153.1 Erosion and Sediment Control Standard Drawings**

##### **B. Standard Drawings:**

Division III – Standard Drawings for Erosion and Sediment Control, Section 5104 Templates and the Single Family Residential Design Booklet (for Erosion and Sediment Control) of the Standard Specifications and Design Criteria, published by the Kansas City Metropolitan Chapter of the American Public Works Association (KC-APWA), is hereby adopted by reference as the Erosion and Sediment Control Standard Drawings for the City, except as required or amended by the Shawnee Design Manual.

#### **4154.1 Erosion and Sediment Control Design Criteria**

##### **A. Design Criteria:**

Division V - Design Criteria, Section 5100 - Erosion and Sediment Control of the Standard Specifications and Design Criteria, published by the Kansas City Metropolitan Chapter of the American Public Works Association (KC-APWA), is hereby adopted by reference as the Erosion and Sediment Control Design Criteria for the City, except as required or amended by the Shawnee Design Manual. This adoption shall apply to the most current revision of Section 5100 adopted and approved by KC-APWA.

#### **4155.0 Land Disturbance Permit Requirements**

- A. Three Types of Land Disturbance Permits.** There are three levels of Land Disturbance Permits issued by the City of Shawnee. Each of these permit's requirements is explained in the next three Sections and are listed below.
- 1. Land Disturbance Permit (Standard), (Standard LDP),** covers typical land disturbances that require the standard level of engineered erosion and sediment controls and inspections to be applied.
  - 2. Land Disturbance Permit (Low Impact), (Low Impact LDP)** involves smaller land disturbances which have a lower impact and will not require an engineered site plan or SWPPP and has reduced inspection requirements but may need to comply with related requirements detailed in a Standard LPD covering their planned development.
  - 3. Land Disturbance Permit (General Utility), (General Utility LDP),** requires Franchised and/or Public Utilities to obtain a general Land Disturbance Permit for Land Disturbances of less than one (1) acre in-lieu of obtaining individual project Land Disturbance Permit.
- B. No Land Disturbances Are Exempt.** A Land Disturbance Permit not being required for a site does not exempt a land disturbance site from following the basic erosion and sediment control practices defined in the Shawnee Design Manual.
- C. Permit Time Limits.** Every permit shall expire based on the time limits defined in the application.
- D. Initial Inspection.** The Permit Holder shall notify the Director when initial Erosion and Sediment Control measures are installed in accordance with the Erosion and Sediment Control Plan. No Land Disturbance activities shall begin prior to written approval by the Director of the certification, by the Qualified Erosion Control Specialist, that all pre-Construction Erosion and Sediment Control measures are correctly installed per the Approved Plan.
- E. Final Inspection.** A Land Disturbance Permit shall not be closed until a final inspection and approval of the site stabilization and restoration is issued by the City.
- 1. No final certificate of occupancy shall be issued until a Site is stabilized, restored and the Land Disturbance Permit's requirements have been satisfied and the permit closed.**
  - 2. A Site shall be considered stabilized and restored when Perennial Vegetation, pavement, buildings or structures using permanent materials, cover seventy percent (70%) of the Upstream Tributary Area found within the area defined by the Land Disturbance Permit and as required by the Director.**
  - 3. All portions of the Site using Perennial Vegetation for ground stabilization shall be homogeneously covered with at least a seventy percent (70%) vegetation density.**

4. Restoration includes the removal of all non-permanent Erosion and Sediment Control devices for the Site.
5. Final Certification of the Restoration and Stabilization of the Site shall be submitted for approval to the Director by the Qualified Erosion Control Specialist.

**4155.1 Land Disturbance Permit (Standard)**

- A. A Land Disturbance Permit (Standard), (Standard LDP) is required for land disturbance activities with
  1. A cumulative disturbance of an area greater than or equal to one (1) acre, or
  2. The disturbance of any part of a larger common plan of Development or sale that, when completed, will disturb a cumulative area of greater than or equal to one (1) acre, with the exception of building permits that disturb less than one acre that are not part of that larger common plan.
- B. The Standard LDP application, Erosion and Sediment Control plans and all other LDP requirements shall be prepared under the supervision of and sealed by a Professional Engineer or Landscape Architect licensed in the State of Kansas who has received a minimum of eight (8) hours classroom instruction in Sediment and Erosion control taught by a Qualified Erosion Control Specialist.
- C. A "Qualified Erosion Control Specialist" means a Professional Engineer licensed in the State of Kansas or a Landscape Architect licensed in the State of Kansas who has received a minimum of 8 hours classroom instruction in Sediment and Erosion control taught by a qualified professional in Erosion and Sediment control or an individual possessing certification as a Certified Professional in Erosion and Sediment Control, certified by CPESC, Inc. or equivalent qualifications approved in writing by the Director as part of an approved Stormwater Pollution Prevention Plan or Erosion and Sediment Control Plan.
- D. A Qualified Erosion Control Specialist shall be authorized by the Permit Holder of the Standard LDP and identified on the Land Disturbance application as the Person responsible to manage and ensure that all work is in compliance with the SWPPP and all requirements of the Land Disturbance Permit (Standard) approved by the City.
- E. The Qualified Erosion Control Specialist shall be authorized by the Permit Holder of the Standard LDP to:
  1. Have the authority to act on behalf of the Permittee(s) to ensure that the site remains in compliance with the LDP Permit, however, the Permittee(s) shall remain the legally responsible party
  2. Be the contact person with the City for all matters pertaining to the LDP
  3. Manage and update the Erosion and Sediment Control Plan and the Stormwater Pollution Prevention Plan (SWPPP),
  4. Install, implement and maintain structural Erosion and Sediment Control BMP's,
  5. Manage and conduct routine inspections of the site.
- F. Maintenance of Control Measures. All required Erosion and Sediment Control measures shall be maintained in good order and in compliance with the Erosion and Sediment Control Plan at all times.
- G. Routine Inspection. It shall be the duty of the Permit Holder to provide, through the Qualified Erosion Control Specialist, routine inspections of the Construction Site and maintain effective Erosion and Sediment Control measures. Routine inspections shall be performed once per week, more frequently if required on the Plan, and within twenty-four (24) hours following each rainfall event of half an inch (1/2") or more within any twenty-four hour period. A log shall be kept of these inspections by the Qualified Erosion Control Specialist as a part of the SWPPP. Any deficiencies shall be noted in a report of the inspection and include the action taken to correct the deficiency

H. A Standard LDP application shall include, but is not limited to the following minimum submittal requirements:

1. Standard LDP Form Completed
2. A Qualified Erosion Control Specialist shall be authorized by the Permit Holder of the Standard LDP and identified on the Land Disturbance application as the Person responsible to manage and ensure that all work is in compliance with the SWPPP and all requirements of the Standard LDP approved by the City.
3. The Standard LDP application shall designate the Qualified Erosion Control Specialist who shall provide the routine inspections required by this Section and/or designate a qualified inspector. The designation shall be made, in writing, to the Director at the time the Land Disturbance Permit application is submitted for approval. The Qualified Erosion Control Specialist and or their assigned Inspector that performs the Routine Inspections shall maintain a copy of the most current Erosion and Sediment Control Plan at the Construction Site at all times. The Inspection shall be done under the supervision of the Qualified Erosion Control Specialist. The written reports shall be submitted by the Qualified Erosion Control Specialist to City as required by the Director and in compliance with the Shawnee Design Manual. The City shall not be designated as an inspector.
4. A site specific Erosion and Sediment Control (E&SC) Plan that complies with the Shawnee Design Manual and conform to Division V - Design Criteria, Section 5100 - Erosion and Sediment Control of the Standard Specifications and Design Criteria, published by the Kansas City Metropolitan Chapter of the American Public Works Association (KC-APWA) with the following additions:

The Erosion and Sediment Control Plan shall be on separate plan sheets from other construction plans. Except when waived by the City for simple or limited construction, separate ESC plan sheets shall be provided for the following stages of construction:

- a. Initial BMP installation and perimeter controls shall be installed prior to land disturbance.
  - b. BMP installations after completion of all site improvements and site grading but prior to final stabilization. Additionally, this plan must show staging/phasing of construction either on separate plan sheets or with a "staging chart" during the following project stages (when applicable):
    - Sanitary Sewer Installation
    - Mass Grading
    - Street And Storm Sewer Construction And Installation
    - Utility Installations (Including Water, Tele-Communications, Electricity, And Gas)
    - During Construction Of Buildings On The Site
5. A site specific grading plan that complies with Division 4100 and the Shawnee Municipal Code, including Chapter 15.04, the Shawnee Design Manual, and other applicable Shawnee Policies and Administrative Statements.
  6. A Stormwater Pollution Prevention Plan (SWPPP) that complies with the Shawnee Design Manual, Shawnee Municipal Code and conforms to the EPA guidelines, "Developing Your Stormwater Pollution Prevention Plan: A Guide for Construction Sites" ([http://www.epa.gov/npdes/pubs/sw\\_swppp\\_guide.pdf](http://www.epa.gov/npdes/pubs/sw_swppp_guide.pdf)).  
The SWPPP must be in compliance with the State of Kansas KDHE General Permit for NPDES Stormwater Runoff from Construction Activities.
  7. Contact information for the Applicant, Construction Site Operator, Project Owner, E&SC Plan Designer, Qualified Erosion Control Specialist, and Inspector.
  8. Location and area to be disturbed.
  9. Duration of Land Disturbance planned.
  10. Security as required by the Shawnee Municipal Code.
  11. Permit Fee as authorized by the Shawnee Municipal Code.

**4155.2 Land Disturbance Permit (Low Impact)**

- A. A Low Impact LDP is required for land disturbance activities with less than one (1) acre of Land Disturbance for
1. Any disturbance that occurs in or within fifty (50) feet of a natural or improved Channel or drainage way, or
  2. Any disturbance that involves building Construction of new roofed structures of more than one-thousand (1000) square feet on a Site.
- B. The Low Impact LDP application shall include, but is not limited to the following minimum submittal requirements:
1. Low Impact LDP Form Completed
  2. A copy of the Building Permit pre-construction plot plan shall show the types and locations of site specific Erosion and Sediment Control (E&SC) practices that will be used on the construction site which shall comply with the Shawnee Design Manual and conform to Division V - Design Criteria, Section 5100 - Erosion and Sediment Control of the Standard Specifications and Design Criteria and the Single Family Residential Standard Design Booklet, both published by the Kansas City Metropolitan Chapter of the American Public Works Association (KC-APWA) with the following additions:
    - a. The Building Permit pre-construction plot plan showing the Erosion and Sediment Control Best Management Practices (BMPs) shall be on a separate copy of the plot plan.
    - b. Erosion and Sediment Control BMPs requirements developed as part of a Standard LDP and SWPPP for any land disturbance that is part of a larger common plan of Development or sale that, when completed, will disturb a cumulative area of greater than or equal to one (1) acre.
    - c. The Single Family Residential Standard Design Booklet requirements shall apply to all land disturbance activities requiring a Land Disturbance Permit (Low Impact).
    - d. Specific Erosion and Sediment Control Best Management Practices (BMPs) required for the Low Impact LDP site:
      - **Inlet Protection BMP's** - are required to be in place and functioning for both area inlets and curb inlets along the street frontage.
      - **Initial installation and perimeter controls** – shall be installed prior to land disturbance.
      - **Protection of Adjacent Lots** - Install BMP's along the common lot line of adjacent sodded or seeded lots.
      - **Grading/Excavating** - Install all BMP's prior to any grading or excavating activities, where practical.
      - **Stabilize Stockpiles** - Install BMP's to stabilize stockpiles to prevent sediment from reaching the street.
      - **Backfill** - Complete installation of all BMP's per the specified design.
      - **Temporary Construction Entrance** – Required in all cases.
      - **Maintenance** - The builder is responsible for maintaining and repairing all BMP's as needed throughout construction. Erosion and Sediment Control BMPs shall be maintained at all times and be routinely inspected, weekly, by the permit holder and after each ½ inch rain in a 24 hour period.
      - **Final Grading** - BMP's may be removed in order to complete final grading and sodding of lot. If sodding of the lot is delayed, the contractor is required to maintain BMP's until the sod can be put down.
      - **Erosion Control Blanket or Sod:** Optionally placed in the Right-of-Way and maintained throughout the time of the land disturbance activity but shall be placed if required by the Director.

3. Copies of the standards details and the Single Family Residential Standard Design Booklet referenced by the application or plot plan shall be attached to the application.
  4. Contact information for the Applicant, Construction Site Operator, Project Owner.
  5. Address, location and measured area to be disturbed.
  6. Duration of Land Disturbance planned.
  7. Security as required by the Shawnee Municipal Code.
  8. Permit Fee as authorized by the Shawnee Municipal Code.
- C. The fee and performance surety for a Low Impact LDP will be as shown in the latest *City of Shawnee Policy Statement*.
- D. The Low Impact LDP application, Building Permit pre-construction plot plan showing the types and locations of site specific Erosion and Sediment Control (E&SC) practices and all other requirements will not need to be prepared by a Qualified Erosion Control Specialist.

**4155.3 Land Disturbance Permit (General Utility)**

- A. Franchised and/or Public Utilities shall obtain a General Utility LDP for Land Disturbances of less than one (1) acre in-lieu of obtaining individual project Land Disturbance Permit. For Utility Work within the Right-of-Way a "Work within the Right-of-Way" permit will still be required, which may have increased E&SC requirements.
- B. The General Utility LDPs for franchised and public utilities will be renewed annually and shall include the effective erosion control standards and construction methods that are to be implemented on the utility's projects, conforming to the Shawnee Design Manual.
- C. The fee and performance surety for a General Utility LDP will be as shown in the latest *City of Shawnee Policy Statement*.
- D. A General Utility LDP application shall include, but is not limited to the following minimum submittal requirements:
  1. General Utility LDP Form Completed.
  2. The General Utility LDP application shall designate the Person who shall provide the routine inspections required by this Section and/or designate a qualified inspector. The designation shall be made, in writing, to the Director at the time the Land Disturbance Permit application is submitted for approval. The City shall not be designated as an inspector.
  3. A typical Erosion and Sediment Control (E&SC) Plan for the different typical utility project applications that complies with the Shawnee Design Manual and conform to Division V - Design Criteria, Section 5100 - Erosion and Sediment Control of the Standard Specifications and Design Criteria, published by the Kansas City Metropolitan Chapter of the American Public Works Association (KC-APWA) with the following addition: Initial BMP installation and perimeter controls shall be installed prior to land disturbance.
  4. Contact information for the Applicant, Construction Site Operator, Project Owner, E&SC Plan Designer,
  5. Security as required by the Shawnee Municipal Code.
  6. Permit Fee as authorized by the Shawnee Municipal Code.



# CITY OF SHAWNEE

## LAND DISTURBANCE PLAN REQUIREMENTS

General: The plans should be prepared in accordance with the Shawnee Design Manual. They shall be submitted as a separate set, which clearly shows other public improvements in a de-emphasized manner. The required sheet size is 24" x 36". The signed and sealed plans shall be submitted to the front desk of Development Services Department for review and approval prior to construction. The following is a general guideline of what information should be included in the plan set, additional information should be provided as necessary.

### I. TITLE SHEET

- a. Project title in ½ inch lettering, centered at the top of the sheet as follows:

Land Disturbance Plans  
Name of Development, Street, Etc.  
Section, Township, Range  
City mTrack Number  
City of Shawnee, Kansas

- b. Index of sheets included in the plan set.
- c. List containing the name and telephone number of each utility company and the State One-Call System.
- d. Name, address, and telephone and fax number of the design engineer or landscaped architect.
- e. Name, address, and telephone and fax number of the Qualified Erosion Control Specialist.
- f. Name, address, and telephone and fax number of the developer/land owner.
- g. Horizontal and vertical control based on Johnson County Public Works Department horizontal and vertical control network. Provide a minimum of two (2) control points on the plans.
- h. Legend of symbols that applies to all sheets.
- i. Table that list materials and quantities of all erosion and sediment control measures, and earthwork activities that are part of the project. This should include total disturbed acres and total cubic yards of cut and fill.
- j. List of general notes to the contractor including at least the following:

#### General Notes:

1. City of Shawnee's plan review is solely for general conformance with city municipal code, technical specifications, and design criteria. The approval of these land disturbance plans shall not be construed as an approval of any violation of city municipal code, including building and zoning codes, or any other city ordinance. The city is not responsible for the accuracy or adequacy of the design, or dimensions and elevations, which shall be confirmed and correlated at the project site. The city through its approval of these land disturbance plans, assumes no responsibility other than as stated above for accuracy and completeness.
2. Land Disturbance plans and SWPPPs are approved initially for one (1) year, after which they become void and must be updated and re-submitted for approval prior to commencement of the work.
3. The contractor shall have one (1) signed copy of city approved plans at the project site at all times. If the contractor is working without approved plans at the site, the Director will give 48 hour notice to the contractor, the Land Disturbance Permit for the project will be suspended and stop work order issued until a set of approved plans is delivered to the site.
4. All land disturbances shown or implied by these plans shall not be initiated, or any part thereof undertaken, until the Director is notified of such intent, and all required permits and fees, properly executed bonds, and contract agreements are received and approved by the Director.

5. The *Shawnee Design Manual* shall govern the construction of this project.
6. All traffic control devices shall comply with the manual on uniform traffic control devices (MUTCD), latest edition.
7. Work hours shall be 8:00 am to 6:00 pm Monday-Friday. The contractor can start work at 7:00 am or work on Saturday if requested 48 hours in advance and approved by the Director. The contractor shall not work Sundays or holidays observed by the City of Shawnee unless approved in writing from the Director.
8. The contractor shall contact the land disturbance inspector a minimum of forty-eight (48) hours in advance to schedule a required inspection.
9. All existing utilities indicated in these plans are according to the best information available to the design engineer; however, all utilities actually existing may not be shown. Utilities damaged through the negligence of the contractor to obtain the location of same shall be repaired or replaced at the expense of the contractor.
10. If the site has detention, detention basins must be constructed first, before any other construction takes place at the site.
11. All siltation and erosion control measures specified on the plans shall be in place prior to commencing any land disturbance activities within the site.
12. Earthwork within the public street right-of-way shall be completed in accordance with Section 1100 – Grading, Section 1200 - Subgrade Preparation, and Section 8000 – Materials Testing of the *Shawnee Design Manual* for Public Improvement Projects. Test reports, including but not limited to, proctors and in-place density testing shall be submitted to Engineering Division in accordance with Section 8000.
13. Material suitable for embankments within the public street right-of-way shall be entirely imperishable with that portion passing the No. 40 sieve having a liquid limit not exceeding 40 and a plasticity index not exceeding 25, when tested in accordance with ASTM D-423 and D-424.
14. The top elevation of all rock fills within the public street right-of-way shall be 4 feet (min.) below finish pavement elevation to allow for future installation of utilities. A geotechnical engineer shall observe placement of all rock fills and submit reports to the Development Services Department.

These notes are not meant to be all-inclusive, and in certain situations the use of additional notes may be required by the Engineer and/or Landscape Architect.

- k. Vicinity map adequately showing the project location in relation to major streets and the section in which it is situated, with a north arrow and at a scale of one inch (1") equals two thousand feet (2000').
- l. Location map adequately showing the project location in relation to adjacent streets, with a north arrow and at a scale not to exceed one inch (1") equals one hundred feet (100').
- m. A signature block to be signed and sealed by a Professional Engineer or Landscape Architect licensed in the State of Kansas which states the following: "The undersigned certifies that the enclosed plans and other documents required by the Land Disturbance Permit have been prepared in accordance with the *Shawnee Design Manual* Furthermore, the undersigned confirms that they have received a minimum of eight (8) hours of classroom instruction in sediment and erosion control taught by a Qualified Erosion Control Specialist."
- n. An approval block for the signature of the Director and the date of such approval. The approval block shall state the following: "Land Disturbance Plans are approved for one year from the above date."

## II. GRADING PLAN

### General Requirements:

- a. Legend that includes but is not limited to the following: existing contours, proposed contours, grading limits, temporary construction easement, abbreviations, etc.
- b. North arrow and Scale of 1-inch equals 50-feet (min).
- c. Contours shown at a minimum of 200-feet beyond the site boundaries.
- d. Proposed and existing contours shown at two foot intervals.
- e. Post construction BMPS are shown.
- f. Flow arrows indicating the direction of runoff.

- g. Limits of grading represented with a distinguished line type.
- h. Areas with grades exceeding 5:1 are called out.
- i. Stockpile areas are identified.
- j. Drainage and Floodplain Information to be included:
  - 1. Drainage improvements shall be shown on the grading plan as follows:
    - 1. Storm sewer pipe and drainage structures.
    - 2. 100-year overflow channels including location, flow arrows, typical section, and design calculations.
    - 3. Detention and retention facilities.
  - 2. Limits and elevation of the FEMA 100-year floodplain including map number and effective date.
  - 3. Limits and elevation of the 25-year and 100-year floodplain from the Mill Creek Watershed Study or project specific study.
  - 4. Minimum low water opening elevation (MLO) for lots adjacent to 100-year overflow channels, open-channels, or detention facilities.
  - 5. 100-year flood elevations at lot corners adjacent to open-channels.
  - 6. Open Channel Setbacks.
  - 7. Drainage easements and channel overbank areas.
- k. Temporary construction easement is identified.

**Additional Site Plan Requirements:**

- a. Indicate elevation of the first floor and minimum low opening if applicable.

**Additional Subdivision Requirements:**

- a. Comply with the lot-to-lot grading standards set forth in Division 4900 of the *Shawnee Design Manual*.
- b. E/I lots are designated. Refer to Division 4900 for E/I lot requirements.
- c. Building footprint shown on each lot.
- d. Rear yard swales are located and a typical section is provided.
- e. Show the elevations of the following for each lot: Top of Foundation, Basement Floor, Garage Floor, and Minimum Low Opening (if applicable).
- f. Indicate walk-out, daylight, and egress lots. Provide egress sill and top of window well elevations, or low opening elevations as they apply.
- g. Spot elevations at rear lot corners, flow line elevations for 100-year overflow channels at property lines and grade breaks, and flow line elevations for rear yard swales at property lines and all grade breaks.
- h. Flow arrows indicating the direction of runoff and proposed drainage patterns for each lot. Flow arrows shall indicate the proposed drainage pattern for the lot after home construction is complete.
- i. The APWA identifies three (3) different single family residential lot types and provides illustrations of the erosion control measures that should be installed for each. Per each lot, identify what type of erosion control will be required by the following designations: EC-1, EC-2, or EC-3. These three illustrations are required to be included as part of the standard details.

**III. INITIAL EROSION AND SEDIMENT CONTROL PLAN**

- a. Stabilized construction entrance is designated.
- b. Perimeter controls are shown: silt fence, waddles, etc.
  - 1. "J" hooks shown at end of silt fence and directed uphill to collect sediment and impound runoff.
  - 2. Perimeter controls extend to grading limits.
- c. Intermediate silt fence is shown at 100-foot intervals.
- d. Sediment Basin is identified if applicable.
- e. Existing and proposed contours shown, refer to the above Grading Plan requirements.
- f. Legend that includes but is not limited to the following: existing contours, proposed contours, grading limits, stabilized construction entrance, silt fence, rock check dams, inlet protection, abbreviations, etc.
- g. List of general notes to the contractor including at least the following:

## GENERAL NOTES

1. The developer(s), Qualified Erosion Control Specialist, and contractor(s) commit to obtaining all federal, state, and city permits required for the project.
2. The developer(s), Qualified Erosion Control Specialist, and contractor(s) shall operate under provisions established by EPA 832-R-92-005 and the SWPPP that was approved as part of this Project.
3. The Qualified Erosion Control Specialist shall commit to being able to provide copies within a 24 hour period of request of all permits, inspections, and modifications to the erosion and sediment control plan and the SWPPP.
4. The construction covered by these plans shall conform to the Shawnee Design Manual.
5. Each contractor working at the construction site shall have a copy of the most current erosion control plan and SWPPP available at all times.
6. The contractor is responsible for all erosion control measures from when the project commences, through the two-year maintenance period. The City may request additional erosion control measures to be installed at any time during the project or two-year maintenance period.
7. The contractor shall maintain all BMP's in the stormwater pollution prevention plan in a manner that preserves their effectiveness for preventing sediment from leaving the site or entering a sensitive area such as a natural stream corridor, areas of the site intended to be left undisturbed, a storm sewer, or an on-site drainage channel. In the event the prevention measures are not effective, the contractor shall remove any debris, silt, or mud and restore the right-of-way, or adjacent properties to original or better condition.
8. The Qualified Erosion Control Specialist shall maintain an erosion control inspection log including the inspector's name, date of inspection, observations as to the effectiveness of the erosion and sediment control measures, actions necessary to correct deficiencies, when the deficiencies were corrected, and the signature of the person performing the inspection. The log shall be available within a 24 hour period for review when requested by the City of Shawnee or any regulatory agency. They are also responsible for managing and updating the SWPPP as necessary.
9. Sediment control measures shall be removed once 70% of the permanent cover is established over 100% of the site. Final Certification of the restoration and stabilization of the site shall be submitted for approval to the Director by the Qualified Erosion Control Specialist.
10. The Land Owner and Qualified Erosion Control Specialist shall commit to ensuring that all work is in compliance with the SWPPP and all requirements of the Land Disturbance Permit approved by the City.

## PHASING NOTES

1. Except where necessary to install erosion and sediment control devices, clearing activities shall not begin until all erosion and sediment control devices have been installed. The Land Owner shall notify the Director when initial erosion and sediment control measures are installed in accordance with the Erosion and Control Plan. No land disturbance activities shall begin prior to written approval by the Director of the certification, by the Qualified Erosion Control Specialist, that all pre-construction erosion control measures are correctly installed per the approved plans and SWPPP.
2. Silt fence or approved equal that is placed along the back of curb will be installed immediately after the curb is constructed.
3. Construction entrance shall be constructed according to the City of Shawnee standard detail.
4. Temporary seeding and mulching using an approved seed mixture shall be applied, or Rolled Erosion Control Products (RECPs) installed by the contractor to all disturbed areas meeting the following criteria, unless otherwise advised by the Qualified Erosion Control Specialist or Engineer: if there has been no construction activity on a disturbed area for a period of 14 calendar days; if disturbed areas will not be brought to finished grade within 14 calendar days; if disturbed areas have been brought to finish grade but the season is not suitable for permanent seeding.
5. All lots within the subdivision in which vegetation has been disturbed and do not have a building permit shall be seeded and mulched by the contractor for the project through the two year maintenance period.

## **SITE REQUIREMENTS**

1. At any time during construction the Qualified Erosion Control Specialist, Engineer, or Director may require additional erosion control measures to address problem situations observed at the site. The contractor shall install such measures within three calendar days of the Director's notice. Failure to comply will authorize the City to stop work at the site.
2. Contractor is responsible for keeping all public roadways adjacent to the construction site free of dirt and debris resulting from activities related to the construction of this project. Mud and debris shall be cleaned up within 4 hours of notification from the City.
3. When possible, without adversely affecting construction operations, the contractor shall: minimize the amount of surface areas which is exposed at one time; leave graded areas with a rough texture; construct temporary terraces during grading operations; limit unnecessary vehicle traffic in graded areas.
4. The Qualified Erosion Control Specialist shall inspect erosion control measures at least once per week, more frequently if required by the erosion and sediment control plan or SWPPP, and within 24 hours following each rainfall event of ½" or more within any 24-hour period. The Qualified Erosion Control Specialist shall also inspect and assure that all sediment control devices are in working condition prior to any forecasted rainfall. The Qualified Erosion Control Specialist is responsible for keeping a record of each inspection conducted at the site. When notified of a problem, the contractor shall make any required repairs within three calendar days. Failure to comply will authorize the City to stop the contractor's work at the site.
5. The contractor shall remove all sediment deposits on an erosion and sediment control device to provide adequate storage volume for the next rain event. Care shall be taken to avoid damaging or undermining the erosion control device during cleanout.
6. Seeding and mulching shall be completed in accordance with Section 7200 – Seeding and Sodding of the Shawnee Design Manual.

## **SPECIAL DESIGNATED AREAS**

1. Areas are noted on the plan sheets for stockpiling of materials. The slopes in these areas shall be graded to maximum 3:1 and silt fence shall be installed completely around the perimeter of the areas. The areas shall be seeded within 14 days once construction activities on them cease.
2. Concrete wash or rinse water 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. Concrete wash out areas shall be placed as required by the erosion and sediment control plan and SWPPP. 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.
3. 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 drainage ways or areas subject to flooding. Locks and other means to prevent or reduce vandalism shall be used. Spills will be reported as required by law and immediate actions taken to contain them. Refer to the SWPPP for additional requirements pertaining to the storage and use of hazardous materials on-site.

# City of Shawnee KANSAS

Land Disturbance Permit Application  
CODES ADMINISTRATION  
11110 Johnson Drive, Shawnee, Kansas 66203-2799  
(913) 742-6010 [www.cityofshawnee.org](http://www.cityofshawnee.org)

This form shall be completed by the landowner and a land disturbance permit shall be obtained prior to beginning any type of land disturbance activity. Land disturbances for construction of new single family residences shall complete a Low Impact Residential Land Disturbance Permit Application. Forms are available from the Codes Administration.

## Project Information

Project Name: \_\_\_\_\_ Date: \_\_\_\_\_

Project Address: \_\_\_\_\_

Type of Project (Refer to division 4100 of the Shawnee Design Manual for a detailed description of the type of permit required for land disturbance activities)

Standard Land Disturbance Permit (Land disturbances totaling one acre or more)

Complete all sections of application

Low Impact Land Disturbance Permit (Land disturbances less than one acre)

Complete this sheet

Description of project: \_\_\_\_\_

Land disturbance start date: \_\_\_\_\_ Land disturbance completion date: \_\_\_\_\_

Area of land disturbed (acres): \_\_\_\_\_ Quantity of cut/fill (cubic yards) \_\_\_\_\_

Is any work to occur within a public right of way?  Yes  No

*If yes, obtain permit through Development Services Department (913)741-6012*

Does work include any site work, filling or construction in the FEMA regulated Flood plain?  Yes  No

*If yes a floodplain development permit is required from the Public Services Department (913) 742-6312*

## Applicant Information

Name of applicant (owner/developer) \_\_\_\_\_

Address \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone: ( ) \_\_\_\_\_ Fax: ( ) \_\_\_\_\_ E-Mail: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Phone: ( ) \_\_\_\_\_

Contractor  Owner  Design Professional E-Mail: \_\_\_\_\_

Low impact land disturbance applicants sign here. Submit application along with site plan showing grading and erosion and sediment control design.

Signature of Applicant: \_\_\_\_\_ Date: \_\_\_\_\_

Standard land disturbance permit applicants shall complete page 2 of this application form:

**Qualified Erosion Control Specialist**

Company: \_\_\_\_\_ Address: \_\_\_\_\_  
Phone: ( ) \_\_\_\_\_ Fax: ( ) \_\_\_\_\_ E-Mail: \_\_\_\_\_  
Name of contact: \_\_\_\_\_ Phone: ( ) \_\_\_\_\_  
Name of Inspector  
(QECS): \_\_\_\_\_ Phone: ( ) \_\_\_\_\_ Cell phone: ( ) \_\_\_\_\_

**Construction Site Operators**

Responsible Contractors: List all contractors responsible for land disturbance activities on site (i.e. grading, storm sewer, paving, utilities, etc.)

Company: \_\_\_\_\_ Address: \_\_\_\_\_  
Type of work: \_\_\_\_\_  
Phone: ( ) \_\_\_\_\_ Fax: ( ) \_\_\_\_\_ E-Mail: \_\_\_\_\_  
Name of contact: \_\_\_\_\_ Phone: ( ) \_\_\_\_\_ Cell: ( ) \_\_\_\_\_

Company: \_\_\_\_\_ Address: \_\_\_\_\_  
Type of work: \_\_\_\_\_  
Phone: ( ) \_\_\_\_\_ Fax: ( ) \_\_\_\_\_ E-Mail: \_\_\_\_\_  
Name of contact: \_\_\_\_\_ Phone: ( ) \_\_\_\_\_ Cell: ( ) \_\_\_\_\_

Company: \_\_\_\_\_ Address: \_\_\_\_\_  
Type of work: \_\_\_\_\_  
Phone: ( ) \_\_\_\_\_ Fax: ( ) \_\_\_\_\_ E-Mail: \_\_\_\_\_  
Name of contact: \_\_\_\_\_ Phone: ( ) \_\_\_\_\_ Cell: ( ) \_\_\_\_\_

Company: \_\_\_\_\_ Address: \_\_\_\_\_  
Type of work: \_\_\_\_\_  
Phone: ( ) \_\_\_\_\_ Fax: ( ) \_\_\_\_\_ E-Mail: \_\_\_\_\_  
Name of contact: \_\_\_\_\_ Phone: ( ) \_\_\_\_\_ Cell: ( ) \_\_\_\_\_

Attach additional sheets as necessary

**Certification**

The undersigned applicant certifies that the above described work authorized by this permit shall be constructed in accordance with all applicable Shawnee ordinances and codes.

Signature: \_\_\_\_\_  
Print Name: \_\_\_\_\_ Date: \_\_\_\_\_  
Phone: ( ) \_\_\_\_\_ E-Mail: \_\_\_\_\_  
List Construction Documents Submitted: \_\_\_\_\_



## LAND DISTURBANCE REVIEW SCHEDULE OF FEES

The below Schedule of Fees were adopted by the City of Shawnee City Council as part of Policy Statement No. 27 (PS-27) originally on January 25, 1993 and recently were reviewed and amended on January 1, 2008.

### Grading Plan Review Fees

DESCRIPTION	CHARGE PER PROJECT
50 cubic yards or less	No Fee
51 to 100 cubic yards	No Fee
101 to 1000 cubic yards	\$22.50
1001 to 10,000 cubic yards	\$30.00
10,001 to 100,000 cubic yards	\$30.00 for the first 10,000 cubic yards, plus \$15.00 for each additional 10,000 cubic yards or fraction thereof
100,001 to 200,000 cubic yards	\$165.00 for the first 100,000 cubic yards, plus \$9.00 for each additional 10,000 cubic yards or fraction thereof
200,001 cubic yards or more	\$255.00 for the first 200,000 cubic yards, plus \$4.50 for each additional 10,000 cubic yards or fraction thereof
Additional Plan Review required by changes, additions, or revisions to approved plans	\$30.00 per hour (minimum charge one-half hour)

# STANDARD LAND DISTURBANCE PERMIT PLAN SUBMITTAL CHECKLIST

The following checklist has been designed as a tool to assist the applicant and his/her engineer/landscape architect with the land disturbance permitting process. This checklist only applies to Standard Land Disturbance Permits. Please contact the Development Services Department for information pertaining to Low Impact and General Utility Land Disturbance Permit submittal requirements. Refer to the City document entitled "Land Disturbance Plan Requirements" for a more detailed explanation of the items listed below.

Office Use	Applicant Use	Standard Land Disturbance Permit Requirements
<input type="checkbox"/>	<input type="checkbox"/>	1. Erosion and Sediment Control Plans and all other LDP requirements were prepared under the supervision of and sealed by a professional engineer or landscape architect licensed in the State of Kansas who has received a minimum of eight (8) hours of classroom instruction in sediment and erosion control taught by a Qualified Erosion Control Specialist.
<input type="checkbox"/>	<input type="checkbox"/>	2. One (1) cover sheet.
<input type="checkbox"/>	<input type="checkbox"/>	3. One (1) or more Standard Detail Sheets.
<input type="checkbox"/>	<input type="checkbox"/>	4. One (1) Initial Erosion and Sediment Control Plan Sheet.
<input type="checkbox"/>	<input type="checkbox"/>	5. One (1) or more Erosion and Sediment Control Staging Plan Sheets.
<input type="checkbox"/>	<input type="checkbox"/>	6. One (1) Grading Plan Sheet that complies with Division 4100 and the Shawnee Municipal Code, including Chapter 15.04, the Shawnee Design Manual, and other applicable Shawnee Policies and Administrative Statements.
<input type="checkbox"/>	<input type="checkbox"/>	7. Stormwater Pollution and Prevention Plan (SWPPP) that complies with the <i>Shawnee Design Manual</i> , Shawnee Municipal Code and conforms to the EPA guidelines, <i>Developing Your Stormwater Pollution Prevention Plan: A Guide for Construction Sites</i> . The SWPPP must be in compliance with the State of Kansas KDHE General Permit for NPDES Stormwater Runoff from Construction Activities.
<input type="checkbox"/>	<input type="checkbox"/>	8. <i>Land Disturbance Plan Review Form</i> filled out and signed by the qualified Designer. Applications that are only partially filled out will not be accepted by the City.
<input type="checkbox"/>	<input type="checkbox"/>	9. Payment for applicable plan review fees.
<input type="checkbox"/>	<input type="checkbox"/>	10. KDHE NOI. Submit a copy of the permit, if available, or submit a copy of the permit application.
<input type="checkbox"/>	<input type="checkbox"/>	11. A total of two (2) copies of the complete plans, and one (1) copy of any supporting documents.
<input type="checkbox"/>	<input type="checkbox"/>	12. Copy of TCE with adjacent property owner.

#### IV. EROSION AND SEDIMENT CONTROL STAGING PLAN

- a. Stabilized construction entrance is designated
- b. Existing and proposed contours shown, refer to the above Grading Plan requirements
- c. Legend that includes but is not limited to the following: existing contours, proposed contours, grading limits, stabilized construction entrance, silt fence, rock check dams, inlet protection, abbreviations, etc.
- d. List of general notes, refer to the above notes for the Initial Erosion and Sediment Control Plan
- e. Staging of BMPs are shown on either separate sheets or with a staging chart during the following project stages (when applicable): sanitary sewer installation, mass grading, street and storm construction and installation, utility installation, building construction, and LDP close-out.
- f. If a staging chart is to be utilized, it is **REQUIRED** to be formatted as shown below:

### EROSION AND SEDIMENT CONTROL STAGING CHART

Project Stage	BMP Plan Ref No.	BMP Description	Remove After Stage	Additional Information as Needed for Construction
<b>A: Initial Controls</b>	1			
	2			
<b>B: Mass Grading</b>	3			
	4			
<b>C: Sanitary Sewer Installation</b>	5			
	6			
<b>D: Street and Storm Installation</b>	7			
	8			
<b>E: After Street Installation</b>	9			
	10			
<b>F: Misc. Utility Installation</b>	11			
	12			
<b>G: Building Construction</b>	13			
	14			
<b>H: Required for Closure of LDP</b>	15			
	16			

The above chart is not all inclusive and should be revised as needed for each project. Prior to the City closing the LDP, all non permanent BMPs should be removed. The chart should reflect this. In addition, silt fence is required along the back of curb once street installation is complete.

#### V. STANDARD DETAIL SHEET(S)

- a. One or more sheets containing the City of Shawnee Standard Details and the APWA Standard Details for erosion and sediment control devices. The City's details are available online at [www.cityofshawnee.org](http://www.cityofshawnee.org) and are only available in PDF format.
- b. The Design Engineer shall include additional details for erosion and sediment control devices that are not included in the City's Standard Details, but are required per the erosion and sediment control plan. The City will review the detail and make recommendations as necessary.
- c. The APWA single family residential erosion controls drawings 1, 2 and 3 and the APWA residential stabilized lot entrance detail shall be included as part of the Standard Details for this project.



## LAND DISTURBANCE PERMIT SCHEDULE OF FEES

The below Schedule of Fees were adopted by the City of Shawnee City Council as part of Policy Statement No. 27 (PS-27) as amended on January 1, 2008.

▲ THE TOTAL CHARGE PER PROJECT IS AN ACCUMULATION OF THE BELOW FEES ▲

### I. Land Disturbance Fee

DESCRIPTION	CHARGE PER PROJECT
Regulated land disturbance activity of less than one acre and for or related to one to two family dwellings (effective for the term of the Building Permit).	\$75/lot
Regulated land disturbance activity of more than one acre with a fee based on rounding area to the nearest whole acre of the proposed land disturbance	\$100 + \$100/acre
General land disturbance fee as related to Section 11.20.060 SMC (fee to be renewed annually)	\$100/year

### II. Grading Fee for Excavation/Fill

DESCRIPTION	CHARGE PER PROJECT
50 cubic yards or less	No Fee
51 to 100 cubic yards	No Fee
101 to 1000 cubic yards	\$22.50 for the first 100 cubic yards, plus \$10.50 for each additional 100 cubic yards or fraction thereof
1001 to 10,000 cubic yards	\$117.00 for the first 1000 cubic yards, plus \$9.00 for each additional 1000 cubic yards or fraction thereof
10,001 to 100,000 cubic yards	\$198.00 for the first 10,000 cubic yards, plus \$40.50 for each additional 10,000 cubic yards or fraction thereof
100,001 to 200,000 cubic yards	\$562.50 for the first 100,000 cubic yards, plus \$22.50 for each additional 10,000 cubic yards or fraction thereof
200,001 cubic yards or more	\$255.00 for the first 200,000 cubic yards, plus \$4.50 for each additional 10,000 cubic yards or fraction thereof

# CITY OF SHAWNEE LAND DISTURBANCE PERMIT

PERMIT NUMBER:

PROJECT NAME:   
PERMIT HOLDER:   
TYPE:   
CONTRACTOR:   
QECS:   
CITY INSPECTOR:

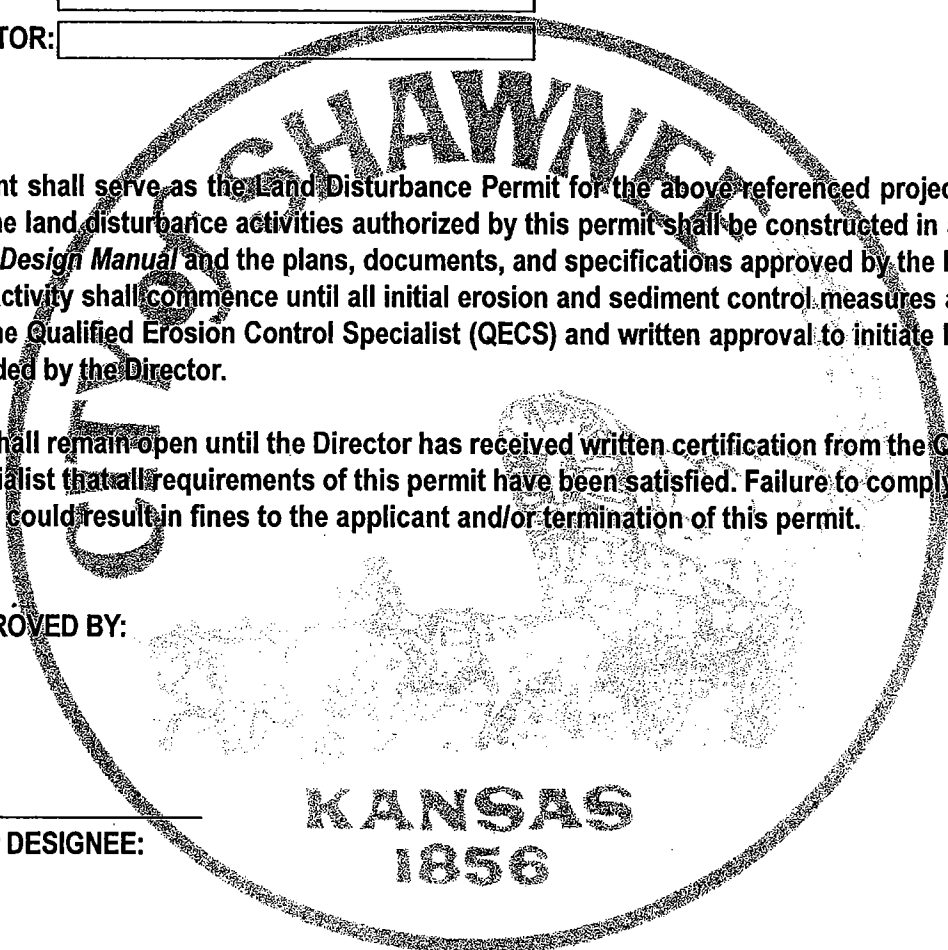
This document shall serve as the Land Disturbance Permit for the above referenced project. The applicant agrees that the land disturbance activities authorized by this permit shall be constructed in accordance with the *Shawnee Design Manual* and the plans, documents, and specifications approved by the Director. No land disturbance activity shall commence until all initial erosion and sediment control measures are installed and certified by the Qualified Erosion Control Specialist (QECS) and written approval to initiate land disturbance work is provided by the Director.

This permit shall remain open until the Director has received written certification from the Qualified Erosion Control Specialist that all requirements of this permit have been satisfied. Failure to comply with the permit requirements could result in fines to the applicant and/or termination of this permit.

PERMIT APPROVED BY:

\_\_\_\_\_  
DIRECTOR or DESIGNEE:

DATE:



**THIS PERMIT MUST BE POSTED AT THE JOB SITE AT ALL TIMES**