



GENERAL PERMIT APPLICATION

City of Angola

210 N. Public Square, Angola, Indiana 46703 | Ph. 260.665.2514 | Fax: 260.665.9164

Please complete this form thoroughly and provide all requested information to the best of your ability.
Incomplete forms may result in processing delays or rejection of your application

PROJECT INFORMATION

1. **Proposed Project:** _____
(i.e. Utility Permit, Fence Permit, Deck Permit, Remodel Permit, Development Plan, , etc)
2. **Applicant/Representative Name:** _____
Phone _____ Email _____
Address: _____
(i.e. Company Name and/or Representative Name)
3. **Owner(s) Name:** _____
Phone _____ Email _____
Address: _____
(i.e. Company Name and/or Owner's Name)
4. **Engineer/Developer Name:** (if applicable) _____
Phone _____ Email _____
Address: _____
(i.e. Company Name and Representative Name)
5. **Property Information**
Address: _____
Subdivision / Addition / Section: _____
Lot No.: _____ Map No / Parcel No.: _____
Lot / Land Area: _____ sq. ft / acre
Latitude/Longitude: _____
6. **Regulated Drain:** ☐ Yes ☐ No **If Yes,** ☐ Open ☐ Tiled
7. **Invoice To:** ☐ Applicant/Rep ☐ Owner ☐ Engineer/Developer

PROJECT INFORMATION

Project Description

*(For example include foundation
type, number of bed/baths, garage
type etc.)*

Total SF of Development	_____	sq. ft.
Total SF of Land Disturbed	_____	sq. ft.
Estimated Cost of Project	\$ _____	
Sanitary Sewer Connection	☐ Existing ☐ New ☐ None	
Water Connection	☐ Existing ☐ New ☐ None	
Water Meter Size	_____	
Fire Protection	☐ Yes ☐ No	
Private Hydrant	☐ Yes ☐ No	



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SUBMITTAL REQUIREMENTS CHECKLIST

Each type of application has specific requirements listed in Title 18 Unified Development Ordinance, Division VII. Below is a generalized list of submittal requirements.

- | | |
|--|---|
| ☐ Completed Application | ☐ Survey |
| ☐ Owners Affidavit – if application is not signed by owner | ☐ Site Manager Contact Sheet (<i>BLUE SHEET</i>) |
| ☐ Copy of Legal Description | |
| ☐ Recorded Property Deed | Optional |
| ☐ Civil Plans | ☐ Plan Commission Application |
| • Two (2) Hard Copies and One (1) Digital Copy | ☐ Board of Zoning Appeals Application |
| ☐ Building Plans | ☐ Detailed Site Plan |
| • Two (2) Hard Copies and One (1) Digital Copy | |
| ☐ Site Plan for Erosion Control Measures
(<i>Class I, II, III, IV</i>) | |

Construction Stormwater General Permit (CSGP) – CLASS V ONLY

- ☐ Copy of Stormwater Drainage Technical Report
- ☐ Copy of Stormwater Pollution Prevention Plan for Construction Sites (SWPPP)
- ☐ Copy of Post-Construction Stormwater Pollution Prevention Plan
- ☐ Checklist for Site Improvement Permit (*GREEN SHEET*)

CERTIFICATION

I, the owner or authorized applicant of the owner of record, agree that any construction, reconstruction, enlargement, relocation or alteration of a structure, or any change in the use of land or structures requested by this application will comply with, and conform to, all applicable laws of the State of Indiana and the Municipal Code of Angola, Indiana. The information provided in this application is true and accurate to the best of my knowledge. Further I hereby agree that any construction commenced at the address indicated above shall be in compliance with the permit stipulations. I also understand that any violation of said permit conditions and ordinances may lead to penalties including, but not limited to, stop work orders, revocation of permit, and other penalties as described in AMC 1.15.010. I agree to allow inspection of the above project site by city personnel and equipment including aerial photography

Applicant Signature

Applicant Printed Name

Date

Applicant Signature

Applicant Printed Name

Date

OFFICE USE ONLY

Date Received: _____

Class V – 43,560 sq. ft. or more of total land area disturbed

The following handout/checklist provides submission requirements for a Site Improvement Permit (SIP) as outlined in the City of Angola Stormwater Management Ordinance (Angola Municipal Code 13.15). Refer to this ordinance to obtain all requirements related to Site Improvement Permits and stormwater management requirements.

Submittal for Stormwater Management Approval.

The project site owner shall apply for a site improvement permit to the City of Angola prior to the initiation of any land-disturbing activities. The application will include the following:

- 1) Completed general permit application.
- 2) Construction plans, drainage information, and all other materials for the appropriate class of site improvement permit as outlined in AMC 13.15.330.
- 3) All other submittal requirements as outlined in AMC 13.15.330.

Stormwater Plan Submittal.

- 1) Digital and hard copy (not to exceed 24 inches by 36 inches in size) construction plan sheets depicting the existing and proposed conditions. Construction plans shall include the information in the Stormwater Technical Standards.
- 2) Stormwater drainage technical report that includes the information in the Stormwater Technical Standards.
- 3) A hydrologic/hydraulic analysis, consistent with the methodologies and calculation included in the Stormwater Technical Standards, and including the following information:
 - a. Construction site SWPPP that is designed at a minimum to meet the requirements of this chapter and include the information in the Stormwater Technical Standards.
 - b. Post-construction SWPPP that meets at least the minimum requirements of this chapter and includes the information in the Stormwater Technical Standards.
 - c. Operation and maintenance manual is required for stormwater quantity and/or quality and low impact development measures and must at a minimum meet the requirements of this chapter and include the information in the Stormwater Technical Standards. [Ord. 1751-2024.]

Certification of As-Built Plans.

- 1) After completion of construction of the project and before final acceptance of the NOT (as applicable), a professionally prepared and certified as-built set of plans shall be submitted to City of Angola for review. Additionally, a digital copy of the as-built plans in AutoCad is required. These plans shall include all pertinent data relevant to the completed storm drainage system and stormwater management facilities, and shall include:
 - a) Pipe size and pipe material;
 - b) Invert elevations;
 - c) Top rim elevations;
 - d) Pipe structure lengths;
 - e) BMP types, dimensions, and boundaries/easements;
 - f) “As-built” plans for BMPs, as applicable;
 - g) Data and calculations showing detention basin storage volume;
 - h) Data and calculations showing BMP treatment capacity;

- i) Certified statement on plans stating the completed storm drainage system and stormwater management facilities substantially comply with construction plans and the stormwater management permit as approved by the City of Angola (see Certificate of Completion and Compliance).



City of Angola

Stormwater Pollution Prevention Plan

Pre-Construction Considerations

Self-Monitoring / Reporting:

Required Self-Monitoring Program

1. Self-monitoring evaluations are required to be conducted by a trained individual with logs maintained and available within forty-eight (48) hours of the request by the MS4. The evaluation must be performed as follows:
 - a. **Rainfall ≥ 0.5 -inch:** For a qualifying precipitation event, defined as precipitation accumulation equal to, or greater than, one-half (0.5) inch of rainfall within a 24-hour period, inspections may be performed 24 hours prior to the event or at the end of the next business day following the event.
 - b. Weekly inspections: If no measurable rain event occurs within the work week a **minimum of one inspection** must occur.
 - c. In the event of multiple qualifying events during the week, no more than three (3) inspections would be required to meet the self-monitoring requirement.

Erosion Control Sequencing:

Pre-Construction Activity

1. Protect existing waterways, streams, rivers, lakes, wetlands, etc. from sediment and pollutants caused by construction activities.
2. Protect existing storm water sewer system inlets with approved inlet protection devices.
3. Establish stable construction entrance(s), equipment and employee parking and staging area(s).
4. Install perimeter protection devices and measures.
5. Protect site from fueling spills. Have a plan and be prepared to clean up spills.
6. Storage / maintenance areas shall be protected from storm water run-on / run-off and should be an appropriate distance from downstream drainage facilities and watercourses.

Construction Activity

1. Stabilization Requirement
 - a. When possible, phase land clearing to prevent large areas of exposed soil that will be left inactive.
 - b. Temporary or permanent stabilization must be appropriate for the season.
 - c. Stabilization must be initiated by the end of the seventh (7) day the area is left idle.
 - d. Stabilization must be completed fourteen (14) days after initiation.
2. Stabilize soil stockpile and borrow areas.
3. If soil is taken to an off-site location, the general contractor must record every disposal location. If any environmental issues arise from the disposal, the general contractor will assume responsibility for any negative impacts to the environment.
4. Maintain temporary erosion control devices throughout the construction process.

Final Construction Activity

1. Temporary or permanent stabilization measures must be monitored and consistently maintained.
2. Inlet areas must be inspected to ensure complete stabilization; any debris that could clog inlets is removed.
3. All remaining signs of erosion have been repaired by grading and stabilizing as appropriate.
4. Post Construction BMPs are in place and operational.
5. All drainage conveyances and outlets are checked to ensure proper installation and operation.
6. "Post Construction Stormwater Measure Requirements" information sheet and the project-specific Post Construction Operations & Maintenance manual have been provided to owner or owner's representative.
7. Complete and submit the **City of Angola Certificate of Completion & Compliance** form to the MS4.

Notice of Termination (NOT) Conditions:

1. All land-disturbing activities have been completed.
2. All construction materials, waste, waste-handling devices, equipment, and vehicles have been removed.
3. Temporary Best Management Practice(s), (BMPs) (e.g. silt fence, etc.) have been removed.
 - a. BMPs that will decompose, including fiber rolls and blankets, may be left in place.

4. Check all final stabilization measures.
 - a. Areas where erosion control blankets or matting were installed.
 - b. Small bare spots have been seeded and mulched.
 - c. No signs of erosion.
5. **Final soil stabilization of all disturbed areas is required with a uniform (evenly distributed, without large bare areas) perennial vegetative cover of seventy percent (70%) established. Weed establishment as stabilization does NOT meet this requirement.**
6. Complete and submit the **City of Angola NOT Self-Report** form to the MS4.
7. Complete and submit the Notice of Termination (NOT) to IDEM.
8. The Indiana Department of Environmental Management (IDEM), or other entity designated by IDEM, may inspect the project site to evaluate the adequacy of the remaining storm water quality measures and compliance with the NOT letter requirements.

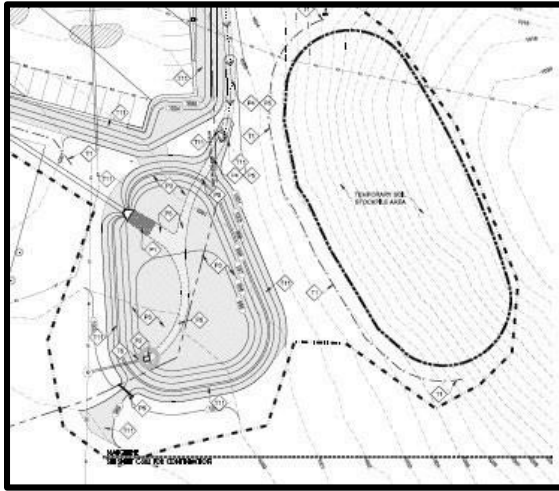
Continuation of Maintenance:

1. Owner takes maintenance responsibility for all Post Construction BMP measures after NOT has been received by IDEM.
2. Individual lot owners or occupiers of the property are responsible for maintenance of remaining stormwater quality measures after NOT has been submitted for a project site.

SWPPP Change-document Requirements:

1. Any addition of new BMP(s) implemented during construction.
2. Replacement of failed BMP(s).
3. Any significant changes in construction activities or timing of construction activities on the project site.
4. Changes in personnel who are responsible for the SWPPP inspections.
5. Changes in inspection and maintenance procedures.
6. Any updates made to the site plan.
7. Document any changes, modifications, or revisions to the SWPPP, and attach to the final copy of the SWPPP.
8. Amend any changes to the site plan whenever there is a change in design, construction, operation, or maintenance at the site which could impact the discharge of sediment/ pollutants.
 - a. Grading activities.
 - b. BMP re-implementation, such as silt fence, etc.
 - c. Any vegetative removal that may change the way stormwater runs across the site and discharges.

On-site evaluations of the project will be conducted periodically by the City of Angola MS4 with a copy provided to the construction site manager, the designer of the SWPPP, the trained SWPPP individual, the project site owner, and any other individual who has been listed or deemed appropriate.



Description

A Stormwater Pollution Prevention Plan (SWPPP) is a site-specific, written document that describes methods used to prevent and reduce pollutants in stormwater runoff. Essentially, a SWPPP includes the following:

- Identifies potential sources of stormwater pollution on a construction site.
- Practices to reduce pollutants in stormwater discharges from the site.
- Procedures to be implemented to comply with the terms and conditions of all state and local water quality permits.

Site Planning and Design

Weather

The frequency, intensity, and duration of rainfall are the principal factors influencing erosion from a construction site. Know the weather patterns in the area and, if possible, plan your soil disturbance activities for periods of historically lower rainfall.

NOAA National Weather Service Enhanced Radar Image – Storm Total Precipitation and other maps

<http://radar.weather.gov/radar.php?rid=htx&product=N0R&overlay=11101111&loop=no>

Topography

Longer, steeper slopes have greater erosion potential. Use practices such as Slope Drains, Compost Filter Socks, and Gradient Treatment/Terracing to break up long slopes. Consider minimizing soil disturbance activities on slopes.

Soils

Soil type can also impact erosion. Soil texture, structure, organic matter content, compaction, and permeability can all influence erosion rates.

Vegetative cover

Vegetative cover provides a number of critical benefits in preventing erosion. It absorbs the energy of raindrops, slows velocity of runoff, increases infiltration, and helps bind the soil. Soil erosion can be greatly reduced by maximizing vegetative cover at a construction site. Use temporary cover such as mulch or straw to reduce exposed soil area. This will contribute to less pollutants in the runoff.

A SWPPP is more than just a sediment and erosion control plan. Most SWPPPs are written documents that describe the pollution prevention control measures implemented on the site. It includes descriptions of the site and of each major phase of the planned activity, the roles and responsibilities of contractors and subcontractors, and the inspection schedules and logs. It can also be used to document changes and modifications to the construction plans and associated stormwater pollution prevention activities.

Record Keeping

It is very important to include a list of all records that should be maintained by the site superintendent to be in compliance with state and local jurisdiction permits.

BMP Installation

Proper sequencing of construction activities is essential to maximize the effectiveness of erosion and sediment control measures. A construction schedule is recommended as part of the SWPPP. The following erosion control activities provide a simplified outline that applies to the initial phase of most site developments:

1. Install a stabilized construction entrance and exit. Eliminate any sediment tracking into roads and streets.
2. Flag and mark the project boundaries. Flag the construction buffer zones, sediment traps or basins, construction storage areas, and equipment travel lanes.
3. Clear a path for the installation of perimeter erosion and sediment controls.
4. Install perimeter erosion and sediment controls. Evaluate effectiveness and adjust as needed.
5. Excavate any temporary sediment traps or sediment basins. For most small project sites, some proposed detention basins could also function as a temporary sediment basin with slight modifications.
6. Install outlet structures, protection, and channel stabilization to reduce impact on sediment traps or sediment basins. Install appropriate slope stabilization measures.
7. Proceed with site grading and construction work. Initiate either temporary or permanent vegetation cover on all disturbed areas by the end of the 7th day the area is left idle. The stabilization activities must be completed within 14 days after initiation. Provide temporary seeding on temporary soil stockpiles.
8. The City of Angola MS4 will conduct site visits to inspect erosion and sediment control measures for effectiveness throughout the construction phase. Erosion and sediment control complaints are also investigated; however, it is the contractor, property owner, or designee's responsibility to conduct inspections, maintain records, and perform proper maintenance of Best Management Practices (BMPs).

Site, BMP and Maintenance Inspections

A self-monitoring program shall be implemented by the project site owner. Throughout the construction phase, self-inspections of the erosion prevention and sediment control measures are required at least weekly and after a precipitation event equal to or greater than one-half (0.50) inch of rainfall within a 24-hour period. During periods of prolonged rainfall, the erosion and sediment control measures should be inspected daily. It is recommended that an inspection checklist, either generic or project-specific, be used to perform the inspections and to record any needed maintenance.

An onsite project visit will be made prior to termination of a Site Improvement Permit. All land-disturbing activities must be completed, and a uniform perennial vegetative cover with a density of seventy percent (70%) must be established. Permanent BMPs must be installed and operational.

Record Keeping

It is very important to include in the SWPPP a list of all records that should be maintained by the site superintendent to comply with all state and local permits. It is also recommended that rainfall data be collected, recorded, and kept at the construction site. Such data is also needed for compliance with all state and local permits.

Other Considerations

Employee training is very important in pollution prevention. A trained individual familiar with the daily work conducted onsite is **required** to implement the SWPPP and ensure control measures are effective and install other measures as necessary.

Litter and construction debris should be disposed of properly and promptly to assure that it does not enter the drainage system. Spills of vehicle fluids or other liquids should be cleaned up immediately and disposed of properly. Materials stored onsite should be assessed for pollution potential and protected from rain exposure if needed.

Final Thoughts

A SWPPP is your guide to erosion and sediment control measures that have been designed to prevent sediment and other pollutants from leaving the construction site. It is a living document. If one control measure proves ineffective, the trained individual responsible for implementing the SWPPP is the person who must choose a control measure better suited for the site conditions. Do not be afraid to contact the engineer who designed the project. Engineers do not always conduct site visits, which can lead to ineffective erosion and sediment control measures.

In addition to developing the SWPPP, regulated parties must implement the SWPPP, conduct regular inspections and maintain BMPs to protect natural resources.



Certain content courtesy: Hamilton County, TN Water Quality Department



City of Angola
Checklist for Site Improvement Permit
 (To Be Completed by Applicant)

Project Name:	Date Completed:
---------------	-----------------

Address:	Completed by (Name):
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1. Construction Plans – General Requirements		Page/Sheet #															
3.1	Title sheet which includes location map, vicinity map, operating authority, design company name, developer name, and index of plan sheets.																
3.2	A copy of a legal boundary survey for the site, performed in accordance with Rule 12 of Title 865 of the Indiana Administrative Code or any applicable and subsequently adopted rule or regulation for the subdivision limits, including all drainage easements and wetlands.																
3.3	A reduced plat or project site map showing the parcel identification numbers, the lot numbers, lot boundaries, easements, and road layout and names. The reduced map must be legible and submitted on a sheet or sheets no larger than eleven (11) inches by seventeen (17) inches for all phases or sections of the project site.																
3.4	An existing project site layout that must include the following information: <table> <tr> <td>3.4a</td><td> A topographic map of the land to be developed and such adjoining land whose topography may affect the layout or drainage of the development. The contour intervals shall be one (1) foot when slopes are less than or equal to two percent (<2%) and shall be two (2) feet (US Feet) when slopes exceed two percent (>2%). All elevations shall be given in either National Geodetic Vertical Datum of 1929 (NGVD) or North American Vertical Datum of 1988 (NAVD). The horizontal datum of topographic map shall be based on Indiana State Plane Coordinates, NAD83. The map will contain a notation indicating these datum information. i. If the project site is less than or equal to two (2) acres in total land area, the topographic map shall include all topography of land surrounding the site to a distance of at least one hundred (100) feet. ii. If the project site is greater than two (2) acres in total land area, the topographic map shall include all topography of land surrounding the site to a distance of at least two hundred (200) feet. The use of LIDAR or existing contour maps are acceptable alternatives. </td><td></td></tr> <tr> <td>3.4b</td><td>Location, name, and normal water level of all wetlands, lakes, ponds, and water courses on or adjacent to the project site.</td><td></td></tr> <tr> <td>3.4c</td><td>Location of storm, sanitary, combined sewer, and septic tank systems and outfalls.</td><td></td></tr> <tr> <td>3.4d</td><td>The location of regulated drains, farm drains, inlets and outfalls, if any of record.</td><td></td></tr> <tr> <td>3.4e</td><td>Location of all existing cornerstones within the proposed development and a plan to protect and preserve them.</td><td></td></tr> </table>	3.4a	A topographic map of the land to be developed and such adjoining land whose topography may affect the layout or drainage of the development. The contour intervals shall be one (1) foot when slopes are less than or equal to two percent (<2%) and shall be two (2) feet (US Feet) when slopes exceed two percent (>2%). All elevations shall be given in either National Geodetic Vertical Datum of 1929 (NGVD) or North American Vertical Datum of 1988 (NAVD). The horizontal datum of topographic map shall be based on Indiana State Plane Coordinates, NAD83. The map will contain a notation indicating these datum information. i. If the project site is less than or equal to two (2) acres in total land area, the topographic map shall include all topography of land surrounding the site to a distance of at least one hundred (100) feet. ii. If the project site is greater than two (2) acres in total land area, the topographic map shall include all topography of land surrounding the site to a distance of at least two hundred (200) feet. The use of LIDAR or existing contour maps are acceptable alternatives.		3.4b	Location, name, and normal water level of all wetlands, lakes, ponds, and water courses on or adjacent to the project site.		3.4c	Location of storm, sanitary, combined sewer, and septic tank systems and outfalls.		3.4d	The location of regulated drains, farm drains, inlets and outfalls, if any of record.		3.4e	Location of all existing cornerstones within the proposed development and a plan to protect and preserve them.		
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3.5	A grading and drainage plan, including the following information: <table> <tr> <td>3.5a</td><td>Location of all proposed site improvements, including roads, utilities, lot delineation and identification, proposed structures, and common areas.</td><td></td></tr> <tr> <td>3.5b</td><td>Delineation of all proposed land disturbing activities, including off-site activities that will provide services to the project site.</td><td></td></tr> <tr> <td>3.5c</td><td>Information regarding any off-site borrow, stockpile, or disposal areas that are associated with a project site, regardless of who owns or controls those areas. Off-site disposal areas may need to have their own permits.</td><td></td></tr> <tr> <td>3.5d</td><td>Location, size, and dimensions of all existing streams to be maintained, and new drainage systems such as culverts, bridges, storm sewers, conveyance channels, and 100-year overflow paths/ponding areas shown as hatched areas, along with the associated easements.</td><td></td></tr> <tr> <td>3.5e</td><td>Location, size, and dimensions of features such as permanent retention or detention facilities, including existing or man-made wetlands, used for the purpose of stormwater management. Include existing retention or detention facilities that will be maintained, enlarged, or otherwise</td><td></td></tr> </table>	3.5a	Location of all proposed site improvements, including roads, utilities, lot delineation and identification, proposed structures, and common areas.		3.5b	Delineation of all proposed land disturbing activities, including off-site activities that will provide services to the project site.		3.5c	Information regarding any off-site borrow, stockpile, or disposal areas that are associated with a project site, regardless of who owns or controls those areas. Off-site disposal areas may need to have their own permits.		3.5d	Location, size, and dimensions of all existing streams to be maintained, and new drainage systems such as culverts, bridges, storm sewers, conveyance channels, and 100-year overflow paths/ponding areas shown as hatched areas, along with the associated easements.		3.5e	Location, size, and dimensions of features such as permanent retention or detention facilities, including existing or man-made wetlands, used for the purpose of stormwater management. Include existing retention or detention facilities that will be maintained, enlarged, or otherwise		
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		altered and new ponds or basins to be built.	
	3.5f	One or more typical cross sections of all existing and proposed channels or other open drainage facilities carried to a point above the 100-year high water and showing the elevation of the existing land and the proposed changes, together with the high-water elevations expected from the 100 year storm under the controlled conditions called for by this ordinance, and the relationship of structures, streets, and other facilities.	
3.6	Utility plan sheet(s) showing the location of all proposed utility lines for the project		
3.7	Storm sewer plan/profile sheet(s) showing the elevation, size, length, location of all proposed storm sewers. Existing and proposed ground grades, storm sewer structures elevations, and utility crossings also must be included.		
3.8	A 24-inch by 36-inch plat, including the following information:		
	3.8a	Legal description.	
	3.8b	Cross reference to Rule 12.	
	3.8c	Regulated drain statement and table.	
3.9	Any other information required by <i>City of Angola</i> to thoroughly evaluate the submitted material.		
2. Stormwater Drainage Technical Report			Page/Sheet #
4.1	A summary report, including the following information:		
	4.1a	Description of the nature and purpose of the project.	
	4.1b	The significant drainage problems associated with the project.	
	4.1c	The analysis procedure used to evaluate these problems and to propose solutions.	
	4.1d	Any assumptions or special conditions associated with the use of these procedures, especially the hydrologic or hydraulic methods.	
	4.1e	The proposed design of the drainage control system.	
	4.1f	The results of the analysis of the proposed drainage control system showing that it does solve the project's drainage problems. Any hydrologic or hydraulic calculations or modeling results must be adequately cited and described in the summary description. If hydrologic or hydraulic models are used, the input and output files for all necessary runs must be included in the appendices. A map showing any drainage area subdivisions used in the analysis must accompany the report.	
	4.1g	Proof of Errors and Omissions Insurance for the registered professional engineer or licensed surveyor showing a minimum amount of \$1,000,000 in coverage.	
4.2	A Hydrologic/Hydraulic Analysis, consistent with the methodologies and calculation included in the technical standards, and including the following information:		
	4.2a	A hydraulic report detailing existing and proposed drainage patterns on the subject site. The report should include a description of present land use and proposed land use. Any off-site drainage entering the site should be addressed as well. This report should be comprehensive and detail all of the steps the engineer took during the design process.	
	4.2b	All hydrologic and hydraulic computations should be included in the submittal. These calculations should include, but are not limited to: runoff curve numbers and runoff coefficients, runoff calculations, stage-discharge relationships, times-of-concentration and storage volumes.	
	4.2c	Copies of all computer runs. These computer runs should include both the input and the outputs. Electronic copies of the computer runs with input files will expedite the review process and is required to be submitted.	
	4.2d	A set of exhibits should be included showing the drainage sub-areas and a schematic detailing of how the computer models were set up.	
	4.2e	A conclusion which summarizes the hydraulic design and details how this design satisfies this Ordinance.	
3. Stormwater Pollution Prevention Plan for Construction Sites			Page/Sheet #
5.1	Construction Plan Elements (Section A in IDEM Form)		
	A1	Index of the location of required plan elements in the construction plan	

A2	A vicinity map depicting the project site location in relationship to recognizable local landmarks, towns, and major roads	
A3	Narrative of the nature and purpose of the project	
A4	Latitude and longitude to the nearest fifteen (15) seconds	
A5	Legal description of the project site	
A6	11 X 17-inch plat showing building lot numbers/boundaries and road layout/names	
A7	Boundaries of the one hundred (100) year floodplains, floodway fringes, and floodways	
A8	Land use of all adjacent properties	
A9	Identification of a U.S. EPA approved or established TMDL	
A10	Name(s) of the receiving water(s)	
A11	Identification of discharges to a water on the current 303d list of impaired waters and the pollutant(s) for which it is impaired	
A12	Soil map of the predominant soil types	
A13	Identification and location of all known wetlands, lakes and water courses on or adjacent to the project site (construction plan, existing site layout)	
A14	Identification of any other state or federal water quality permits or authorizations that are required for construction activities	
A15	Identification and delineation of existing cover, including natural buffers	
A16	Existing topography at a contour interval appropriate to indicate drainage patterns	
A17	Location(s) of where run-off enters the project site	
A18	Location(s) of where run-off discharges from the project site prior to land disturbance	
A19	Location of all existing structures on the project site	
A20	Existing permanent retention or detention facilities, including man-made wetlands, designed for the purpose of stormwater management	
A21	Locations where stormwater may be directly discharged into ground water, such as abandoned wells, sinkholes, or karst features	
A22	Size of the project area expressed in acres	
A23	Total expected land disturbance expressed in acres	
A24	Proposed final topography	
A25	Locations and approximate boundaries of all disturbed areas	
A26	Location, size, and dimensions of all stormwater drainage systems, such as culverts, storm sewers, and conveyance channels	
A27	Locations of specific points where stormwater and non-stormwater discharges will leave the project site	
A28	Location of all proposed site improvements, including roads, utilities, lot delineation and identification, proposed structures, and common areas	
A29	Location of all on-site soil stockpiles and borrow areas	
A30	Construction support activities that are expected to be part of the project	

	A31	Location of any in-stream activities that are planned for the project including, but not limited to stream crossings and pump arounds	
5.2	Erosion and Sediment Control/Project Site Management (Section B in IDEM Form)		
	B1	Description of the potential pollutant generating sources and pollutants, including all potential non-stormwater discharges	
	Where applicable, Items in B2 through B10 below will be evaluated for location, dimensions, detailed specifications, and construction details		
	B2	Stable construction entrance locations and specifications	
	B3	Specifications for temporary and permanent stabilization	
	B4	Sediment control measures for concentrated flow areas	
	B5	Sediment control measures for sheet flow areas	
	B6	Run-off control measures	
	B7	Stormwater outlet protection locations and specifications	
	B8	Grade stabilization structure locations and specifications	
	B9	Dewatering applications and management methods	
	B10	Measures utilized for work within waterbodies	
	B11	Maintenance guidelines for each proposed temporary stormwater quality measure	
	B12	Planned construction sequence describing the relationship between implementation of stormwater quality measures in relation to land disturbance	
	B13	Provisions for erosion and sediment control on individual building lots regulated under the proposed project	
	B14	Material handling, spill prevention and spill response plan meeting requirements in 327 IAC 2-6.1	
B15	Material handling and storage procedures associated with construction activity		
4. Post-Construction Stormwater Pollution Prevention Plan			Page/Sheet #
6.1	SWPPP – Post-Construction (Section C in IDEM Form)		
	C1	Description of pollutants and their sources associated with the proposed land use	
	C2	Description of proposed post-construction stormwater measures	
	C3	Plan details for each stormwater measure	
	C4	Sequence describing stormwater measure implementation	
	C5	Maintenance guidelines for proposed post-construction stormwater measures	
	C6	Entity that will be responsible for operation and maintenance of the post-construction stormwater measures	
7. Project Check-in Checklist			Page/Sheet #
Must be completed and all items listed must be provided at project submittal.			



SITE MANAGER CONTACT INFORMATION

EFFECTIVE DATE: _____

SITE NAME: _____

SITE ADDRESS: _____

PRIMARY SITE MANAGER

Name: _____

Title: _____

Office Phone: _____

Mobile Phone: _____

Email Address: _____

ASSISTANT SITE MANAGER (If Applicable)

Name: _____

Title: _____

Office Phone: _____

Mobile Phone: _____

Email Address: _____

EMERGENCY CONTACT INFORMATION

Name: _____

Office Phone: _____

Mobile Phone: _____

Email Address: _____

Relationship to Site: _____

NOTES: _____

The Primary Site Manager bears sole responsibility for the implementation, maintenance, monitoring of all erosion and sediment control measures throughout the duration of this project. Failure to adequately manage erosion and sediment control may result in environmental damage, regulatory fines, and project delays.

CITY OF ANGOLA

Stormwater Management BMPs Maintenance Agreement

THIS AGREEMENT is made this _____ day of _____, 20____, by
[Owner Name] of [Company Name]

with principal offices located _____,
[Owner/Company Address]
hereinafter "Owner".

In accordance with *City of Angola* Stormwater Ordinance and Technical Standards, the Site Plan/Subdivision known
as _____ shown on plans dated _____,

and prepared by _____, the Owner agrees to install and maintain stormwater
management practice(s) (also known as BMPs) on the subject property, known as

_____ located at _____,
[Property's Common Name] [Property's Address]

hereinafter "Property" in accordance with Exhibit A. The Owner further agrees to the terms stated in this document to ensure
that the stormwater management practice(s) continues serving the intended function in perpetuity. This Agreement includes
the following exhibits:

Exhibit A: BMP Operation and Maintenance Manual ("Manual").

Exhibit B: Deed.

Note: This agreement and all Exhibits shall be recorded at the Steuben County Recorder's Office with the original recorded
document filed at the *City of Angola's* Office, hereinafter "City".

Through this Agreement, the Owner hereby subjects the Property to the following covenants, conditions, and restrictions:

1. The Owner shall be solely responsible for the installation, maintenance, and repair of the stormwater management practices, drainage easements, and associated landscaping identified in the Manual. This includes, but is not limited to, all pipes and channels built to convey stormwater to the facility, as well as all structures including inlets, catch basins, manholes, outlet control structures, and other improvements; rip rap, detention areas above ground and buried facilities; and vegetation provided to control the quantity and quality of the stormwater.
2. The Owner, its successors, and assigns, shall inspect the stormwater management/BMP facility at a frequency recommended by the manufacturer of the stormwater structure, or, in the absence of manufacturer recommendations, shall inspect at least annually. The purpose of the inspection is to ensure safe and proper functioning of the facilities. The inspection shall cover the entire facilities, berms, outlet structure, pond areas, access roads, etc.
3. No alterations or changes to the stormwater management practice(s) identified in the Manual shall be permitted unless they are deemed to comply with this Agreement and are approved in writing by the City.
4. The Owner shall retain the services of a qualified individual or company to operate and ensure the maintenance of the stormwater management practice(s) identified in the Manual.

5. The Owner shall provide to the City records of inspections, maintenance, and repair of the stormwater management practices in accordance with the Manual within forty-eight (48) hours of the request. Such records must be maintained by the Owner for a period of five (5) years.
6. The City or its designee is authorized to access the property as necessary to conduct inspections of the stormwater management practices or drainage easements to ascertain compliance with the intent of this Agreement and the activities prescribed in the Manual. Upon written notification by the City, or its designee, of required maintenance or repairs, the Owner shall complete the specified maintenance or repairs within a reasonable time frame determined by the City. The Owner(s) shall be liable for the failure to undertake any maintenance or repairs so that the public health, safety and welfare shall not be endangered nor the road improvement damaged.
7. If the Owner fails to properly maintain the stormwater management practice(s) in accordance with the Manual and this Agreement, the City is authorized, but not required, to perform the specified inspections, maintenance, or repairs in order to preserve the intended functions of the practice(s) and prevent the practice(s) from becoming a threat to public health, safety, general welfare or the environment. In the case of an emergency, as determined by the City, no notice shall be required prior to the City performing emergency maintenance or repairs. The City may levy the costs and expenses of such inspections, maintenance, or repairs plus a ten percent (10%) administrative fee against the Owner. The City at the time of entering upon said stormwater management practice for the purpose of maintenance or repair may file a notice of lien in the office of the Steuben County Recorder's Office upon the property affected by the lien. If said costs and expenses are not paid by the Owner, the City may pursue the collection of same through appropriate court actions and in such a case, the Owner shall pay in addition to said costs and expenses all costs of litigation, including attorney fees.
8. The Owner hereby conveys to the City an easement over, on, and in the Property or otherwise grants perpetual access rights for the purpose of access to the stormwater management practice for the inspection, maintenance, and repair thereof, should the Owner fail to properly inspect, maintain, and repair the practice(s).
9. The Owner agrees that this Agreement shall be recorded and that the Property shall be subject to the covenants and obligations contained herein, and this Agreement shall bind all current and future owners of the property.
10. The Owner agrees in the event that the Property is sold, transferred, or leased to provide information to the new owner, operator, or lessee regarding proper inspection, maintenance, and repair of the stormwater management practice(s). The information shall accompany the first deed transfer and include this Agreement and all Exhibits. The transfer of this information shall also be required with any subsequent sale, transfer, or lease of the Property.
11. The Owner agrees that the rights, obligations, and responsibilities hereunder shall commence upon execution of the Agreement.
12. The Owner whose signatures appear below hereby represent and warrant that they have the authority and capacity to sign this agreement and bind the respective parties hereto.
13. The Owner, its agents, representatives, successors, and assigns shall defend, indemnify and hold the City harmless from and against any claims, demands, actions, damages, injuries, costs or expenses of any nature whatsoever, hereinafter "Claims", fixed or contingent, known or unknown, arising out of or in any way connected with the design, construction, use, maintenance, repair or operation (or omissions in such regard) of the stormwater management practice(s) referred to in Exhibit A which are the subject of this Agreement. This indemnity and hold harmless shall include any costs, expenses, and attorney fees incurred by the City in connection with such Claims or the enforcement of this Agreement.

IN WITNESS WHEREOF, the Owner has executed this Agreement on the day and year first above written.

Owner Signature

Date

Printed Name

Company

Title

STATE OF INDIANA)

)

SS:

COUNTY OF STEUBEN)

)

BEFORE ME, the undersigned, a Notary Public in and for said County and State, personally appeared

Owner subscribed and sworn before this _____ day of _____, 20 ____.

Commission Expiration Date

County of Residence

Signature

Printed Name

WHEN SIGNED AND NOTARIZED, RETURN ORIGINAL COPY TO:

City of Angola
ATTN: MS4
210 N Public Square
Angola, IN 46703

"I affirm, under the penalties for perjury, that I have taken reasonable care to redact each Social Security Number in this document, unless required by law Kim E. Shoup."

Prepared by: Kim E. Shoup, Angola City Attorney