



## CHAMPAIGN COUNTY BOARD ENVIRONMENT and LAND USE COMMITTEE (ELUC) AGENDA

County of Champaign, Urbana, Illinois  
Thursday, April 9, 2015 - 6:30 p.m.

John Dimit Meeting Room  
Brookens Administrative Center, 1776 E. Washington St., Urbana

### Committee Members:

|                            |               |
|----------------------------|---------------|
| Aaron Esry – Chair         | Pattsi Petrie |
| C.Pius Weibel – Vice-Chair | Jon Schroeder |
| Astrid Berkson             | Sam Shore     |
| Stan Harper                |               |

- I. Call to Order
- II. Roll Call
- III. Approval of Agenda/Addenda
- IV. Approval of Minutes
  - A. ELUC Committee meeting – March 5, 2015 1 – 5
- V. Public Participation
- VI. Communications
- VII. Items for Information Only
  - A. Local Government Units Tire Collection 6
- VIII. Items to be Approved by ELUC Committee
  - A. Recreation & Entertainment License: Champaign County Fair Association (Christian music festival) Location: 1302 North Coler Avenue, Urbana IL, July 1-4, 2015 7 – 15
  - B. Clean up of Garbage and Debris in Carroll Addition Subdivision 16
- IX. Items to Receive & Place on File by ELUC Committee to allow for 30-Day Review Period
  - A. **Case 769-AT-13** - Amend the Champaign County Zoning Ordinance by amending the Champaign County Stormwater Management Policy by changing the name to Storm Water Management and Erosion Control Ordinance and amending the reference in Zoning Ordinance Section 4.3.10; and amend the Storm Water Management and Erosion Control Ordinance to add Erosion and Sedimentation Controls to meet the requirements of the National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Storm Water Discharge Permit with the Illinois Environmental Protection Agency (IEPA) and make other changes and add other requirements related to erosion and sedimentation control, as described in the legal advertisement. 17 – 155
  - B. **Case 773-AT-14** - Amend the Champaign County Storm Water Management and Erosion Control Ordinance that is the subject of a separate Zoning Case 769-AT-13, by adding a requirement for a Grading and Demolition Permit for any grading or demolition that disturbs one acre or more of land or for any grading or demolition 156 – 167

Champaign County strives to provide an environment welcoming to all persons regardless of disabilities, race, gender, or religion. Please call 217-384-3776 to request special accommodations at least 2 business days in advance.

**CHAMPAIGN COUNTY BOARD**  
**ENVIRONMENT and LAND USE COMMITTEE (ELUC)**  
**Agenda**

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that is part of a larger common plan of development in which one acre or more of land disturbance will occur, and that is not related to any proposed construction and add fees for Grading and Demolition Permits and other requirements related to Grading and Demolition Permits, as described in the legal advertisement

- X. **Items to be Recommended to the County Board**
  - A. Proposed Minor Amendments to Champaign County Land Resource Management Plan 168 – 170
  
- XI. Monthly Reports
  - A. February 2015 171 - 190
  
- XII. Other Business
  
- XIII. Chair’s Report
  
- XIV. Designation of Items to be Placed on Consent Agenda
  
- XV. Adjournment

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**Champaign County Board  
Environment and Land Use Committee (ELUC)  
County of Champaign, Urbana, Illinois**

**MINUTES – SUBJECT TO REVIEW AND APPROVAL**

DATE: Thursday, March 5, 2015

TIME: 6:30 p.m.

PLACE: Lyle Shields Meeting Room

Brookens Administrative Center

1776 E Washington, Urbana, IL 61802

**Committee Members**

| Present                     | Absent |
|-----------------------------|--------|
| Aaron Esry (Chair)          |        |
| C. Pius Weibel (Vice Chair) |        |
| Astrid Berkson              |        |
| Stan Harper                 |        |
| Pattsi Petrie               |        |
| Jon Schroeder               |        |
| Sam Shore                   |        |

**County Staff:** Deb Busey (County Administrator), John Hall (Zoning Administrator), Brian Nolan (Recording Secretary)

**Others Present:** Susan Monte (Regional Planning Commission), Susan Chavarria (Regional Planning Commission)

**MINUTES**

**I. Call to Order**

Committee Chair Esry called the meeting to order at 6:32 p.m.

**II. Roll Call**

A verbal roll call was taken and a quorum was declared present.

**III. Approval of Minutes**

A. ELUC Committee meeting – February 5, 2015

**MOTION** by Ms. Berkson to approve the minutes of the February 5, 2015 ELUC meeting as distributed; seconded by Mr. Schroder. Upon vote, the **MOTION CARRIED** unanimously.

**IV. Approval of Agenda**

**MOTION** by Mr. Harper to approve the agenda as distributed; seconded by Ms. Berkson. Upon vote, the **MOTION CARRIED** unanimously.

**V. Public Participation**

None

1 **VI. Communications**

2 None

3  
4 **VII. Items for Information Only**

- 5 A. *Request to Finance Committee to authorize County staff to apply for funding sources for road and*  
6 *drainage improvements in Wilber Heights*

7  
8 Ms. Chavarria noted that drainage issues in the Wilber Heights subdivision have been in the  
9 process of being solved since late 2013. Members of the public and businesses in Wilber Heights  
10 have been contacted and the County Board conducted an additional study in order to understand  
11 major problems and find possible solutions. The public identified drainage problems with storm  
12 water and the need to improve Wilber Ave. as the main issues. The Illinois Department of  
13 Transportation (IDOT) and Berns Clancy & Associates have been consulted to identify drainage  
14 and transportation infrastructure needs. Economies of scale can be found if both projects are  
15 completed in tandem. Berns Clancy has provided the County with estimated project phases and  
16 estimated costs for each phase.

17  
18 **Mr. Shore entered the meeting at 6:37 p.m.**

19  
20 IDOT has also provided funding information about roadway improvements. It is recommended  
21 that over time, investments are first made in the reconstruction of Wilber Ave. due to the  
22 available funding from IDOT. If the funding from IDOT is not utilized now, the money will not be  
23 seen again unless IDOT initiates a jurisdictional transfer of Wilber Ave. to Somer Township and  
24 the City of Champaign. If jurisdictional transfers are not accepted, the money will not be available  
25 and Wilber Ave. will continue to be patched but never repaired because IDOT does not provide  
26 reconstruction for unmarked state routes. IDOT will pay for the resurfacing of Wilber Ave;  
27 however, County staff is recommending a complete reconstruction due to Wilber Ave. being  
28 constructed on a dirt base in the 1930's. Ms. Chavarria suggests that the County proceed with  
29 phase one drainage improvements for Wilber Heights by applying for a Community Development  
30 Assistance Program (CDAP) Grant.

31  
32 **Mr. Weibel entered the meeting at 6:38 p.m.**

33  
34 By applying for the CDAP, the additional costs for the roadway reconstruction, which IDOT funding  
35 does not provide, will be covered, as well as completing part of the drainage improvement  
36 projects. In addition to IDOT funding, \$215,000 will be needed to complete Wilber Ave.  
37 reconstruction. The CDAP Grant has a local cost share of 25%. Therefore, if the County were to  
38 pursue the maximum \$450,000 in drainage improvements, an additional \$150,000 would be  
39 needed.

40  
41 Ms. Petrie asked about the bid plans for the project if this proposal makes it way to County Board.  
42 Ms. Chavarria explained it depends on when local funds can be allocated to complete the phase  
43 one project. IDOT is ready to fund their portion of Wilber Ave as early as 2016. If IDOT is aware of  
44 the project they can keep funding available for 30 years. The CDAP funding is annual cycle and the  
45 next application period is this spring; however, it is a competitive process and the County would  
46 still need to find \$200,000+ beyond the IDOT and CDAP funding in order to complete both  
47 projects. Ms. Petrie asked for clarification in regards to the amount needed for both projects. Ms.  
48 Chavarria explained \$200,000+ is needed for phase one with the overall cost of the project  
49 totaling over \$400,000 in current year estimates.

50  
51 Mr. Schroeder acknowledged the News-Gazette for their coverage of the Wilber Heights  
52 problems, and asked if IDOT would provide maintenance funding with the project in addition to  
53 the resurfacing funding. Ms. Chavarria explained that IDOT funding includes 20 years of  
54 maintenance. The amount is not specified.

1  
2 Mr. Harper asked if Berns Clancy and Associates is certain they are able to correct the drainage  
3 problem. Ms. Chavarria explained that if improvements are made as Berns Clancy and Associates  
4 specified, the road and foundation will be secure. If the road reconstruction is completed on its  
5 own, drainage issues will continue to exist.  
6

7 Ms. Petrie noted that residents in the area have previously filled in the ditches along Wilber Ave.  
8 in order to correct the problem and asked if something could be set in place by the County Board  
9 in order to prevent this problem in the future. Ms. Chavarria recommended that residents and  
10 businesses pay for a portion of improvements along Wilber Ave. along with a taxing district where  
11 residents pay a certain amount for certain period of time in order to help with project costs. She  
12 additionally recommended an educational aspect to inform residents about the scope of the  
13 problems.  
14

15 Mr. Weibel asked for the proportion of residences and businesses in the area. Ms. Chavarria  
16 noted that as of late 2013 there are about 20 businesses and about 60 residences.  
17

18 Mr. Schroeder asked if Somer Township or the City of Champaign have any interest in helping  
19 with the project. Ms. Chavarria explained that the City of Champaign does not have the drainage  
20 project in their future plans. Somer Township and City of Champaign have expressed interest in  
21 accepting jurisdiction transfers from IDOT in order to complete the project; however, they do  
22 not have the revenue. Additionally, the Urbana-Champaign Sanitary District (UCSD) could help  
23 with drainage improvements; however, USCD will not annex an area into its jurisdictional district  
24 to help with drainage unless an area has already been annexed by a municipality.  
25

26 *B. Update regarding Land Resource Management Conditions Relevant to Champaign County*  
27

28 Ms. Monte reviewed events during 2014 that were closely related to land and resource  
29 management topics. Under this purview, three topics and events were identified.  
30

31 First, The Long Range Transportation Plan for 2040, which serves as a strategy for those who seek  
32 to use funds on transportation improvements, was updated and adopted.  
33

34 Second, The Mahomet Aquifer Protection is ongoing and current plans to achieve permanent  
35 protection include two bills introduced in the Illinois Senate and House of Representatives.  
36 Language in each bill needs to be corrected as well as other technical concerns, and additional  
37 public support and awareness is needed to ensure the permanent protection of the aquifer.  
38

39 Third, The U.S. 2012 Census of Agriculture updated the data tables in Champaign County's Land  
40 Resource Management Plan. According to the census data, there are fewer farms in Champaign  
41 County; however, the remaining farms are larger in acreage. The number of irrigated farms is also  
42 increasing. The census shows impacts of the drought in 2012 including decreased production  
43 values. Updates to the Champaign County Land Resource Management Plan reflect the updates  
44 from the 2012 census and missing data represents the effort to protect confidentiality.  
45 Additionally, new efforts are currently underway to collect data in regards to organic farming and  
46 local foods collection.  
47

48 Ms. Petrie asked if a footnote could be added to the updated Land Resource Management Plan in  
49 order to explain that the data provided is self-reported. Additionally, a note should be added to  
50 highlight the unusual increase of land in agriculture as compared to 2007's census. Ms. Monte  
51 agreed and will speak with the County Assessor to determine if farm land assessment techniques  
52 have changed. Ms. Petrie noted that the wording of the questions on the census may have caused  
53 errors in self-reported data. Ms. Monte agreed and noted that she will add footnotes at Ms.  
54 Petrie's request.

1  
2 **VIII. Items to Receive and Place on File by ELUC Committee to allow for a 30-Day Review Period**

3 A. *Proposed Amendments to Champaign County Land Resource Management Plan*

4  
5 Ms. Monte noted that the update includes the 2012 census data, the annual update of the corporate  
6 limit bounds as well as a 1.5 mile area extra territorial jurisdiction.

7  
8 **MOTION** by Mr. Weibel to receive and place on file by the ELUC committee to allow for a 30-day review  
9 period the proposed amendments to Champaign County Land Resource Management Plan; seconded by  
10 Ms. Berkson. Upon vote, the **MOTION CARRIED** unanimously.

11  
12 **IX. Items to be Recommended to the County Board**

13 A. *Case 797-AM-15: Recommendation to approve a Zoning Map Amendment to change the zoning*  
14 *district designation from the AG-2 Agriculture Zoning District to the B-1 Rural Trade Center Zoning*  
15 *District in order for the Zoning Board of Appeals to approve a Special Use Permit authorizing the*  
16 *construction and use of two 24,000 gallon bulk fuel storage tanks in addition to the existing grain*  
17 *storage facility in related Case 794-S-14. Premier Cooperative Inc.*

18  
19 Mr. Weibel noted that the neighbor at 1807 Leverett Road had no objections to the amendment and  
20 asked where the neighbor's property is located. Mr. Hall noted that is a property located to the east.  
21 Mr. Weibel noted that a trailer park is located further west and asked if the resident's there received  
22 notice of the amendment. Mr. Hall noted that notice is only sent to properties located within 250 feet  
23 of the proposed changes and the trailer park did not receive notice because it is located more than  
24 250 feet away. Mr. Hall noted that in past years, the ELUC committee has received complaints about  
25 a temporary grain storage facility that used to occupy the proposed property. Mr. Weibel asked  
26 about the nature of the complaints. Mr. Hall explained that the temporary grain storage facility had  
27 fans that were required to run as part of operations and a neighbor complained of noise and odors  
28 when the facility suffered from spoilage. It is noted that the proposed fuel storage will not have these  
29 characteristics. Mr. Schroeder noted that bulk storage of fuel has existed at a property diagonally  
30 opposite from the proposed property since the early 1990's. Ms. Petrie asked about the type of soil  
31 being covered on the property and if it would create any drainage issues. Mr. Hall explained that they  
32 are best prime farm land soils; however, they have been out of production since the grain storage  
33 facility was located on the property and he does not anticipate any drainage issues.

34  
35 **MOTION** by Mr. Schroeder to approve a Zoning Map Amendment to change the zoning district  
36 designation from the AG-2 Agriculture Zoning District to the B-1 Rural Trade Center Zoning District in  
37 order for the Zoning Board of Appeals to approve a Special Use Permit authorizing the construction and  
38 use of two 24,000 gallon bulk fuel storage tanks in addition to the existing grain storage facility in related  
39 Case 794-S-14. Premier Cooperative Inc.; seconded by Mr. Harper. Upon vote, the **MOTION CARRIED**  
40 unanimously.

41  
42 B. *Case 791-AT-14: Amend standard conditions and special provisions for 'heliport restricted landing*  
43 *area' and 'restricted landing area' in Section 6.1.3 of the Champaign County Zoning Ordinance to*  
44 *correct and make permanent the amendment adopted in Case 768-AT-13 regarding 'heliport*  
45 *restricted landing area' and 'restricted landing area'*

46  
47 Ms. Petrie asked if this is passed in accordance with state laws. Mr. Hall confirmed.

48  
49 **MOTION** by Ms. Berkson to Amend standard conditions and special provisions for 'heliport restricted  
50 landing area' and 'restricted landing area' in Section 6.1.3 of the Champaign County Zoning Ordinance to  
51 correct and make permanent the amendment adopted in Case 768-AT-13 regarding 'heliport restricted  
52 landing area' and 'restricted landing area'; seconded by Mr. Weibel. Upon vote, the **MOTION CARRIED**  
53 unanimously.

1  
2 **X. Monthly Reports**

3 A. *January 2015*  
4

5 **MOTION** by Mr. Esry to accept and place on file the monthly reports for January 2015.  
6

7 **XI. Other Business**

8 A. *Approval of Closed Session Minutes – January 8, 2015*  
9

10 **MOTION** by Mr. Harper to approve the closed session minutes of the January 8, 2015 ELUC meeting as  
11 distributed; seconded by Ms. Berkson. Upon vote, the **MOTION CARRIED** unanimously.  
12

13 B. *Semi-Annual Review of Closed Session Minutes*  
14

15 Ms. Busey explained that the State’s Attorney’s recommendation is to maintain the closed session minutes as  
16 closed.  
17

18 **MOTION** by Mr. Schroder to maintain the closed session minutes as closed as recommended by the State’s  
19 Attorney; seconded by Ms. Berkson. Upon vote, the **MOTION CARRIED** unanimously.  
20

21 **XII. Chair’s Report**

22 None  
23

24 **XIII. Designation of Items to be Placed on Consent Agenda**

25 IX.A, IX.B  
26

27 **XIV. Adjournment**

28 **MOTION** by Mr. Shore to adjourn; seconded by Ms. Berkson. Upon vote, the **MOTION CARRIED**  
29 unanimously. There being no further business, Mr. Esry adjourned the meeting at 7:13 p.m.

DATE: March 31, 2015  
TO: Environment and Land Use Committee  
FROM: Susan Monte, RPC Planner  
RE: Local Government Units Tire Collection – Update  
ACTION REQUEST: Information Only

A planned Local Government Unit (LGU) unwanted tire collection by the Illinois EPA that was to have occurred late this March at a location on a paved area of the County’s east campus is on hold. We have not yet received clearance from IEPA that the collection will indeed take place this spring. This could be a side effect of a recent sweep of State Special Funds (including \$20,000,000 from the ‘Used Tire Management Fund’) Public Act 099-0002 signed by Governor Rauner.

The Illinois EPA Used/Waste Tire Cleanup Program conducts waste tire removal collections for LGUs throughout Illinois. The collections are intended to assist LGUs with the proper disposal of waste tires that are illegally dumped on public or abandoned properties. Last November I contacted IEPA Regional Representative Curt White to request that a used tire collection for LGUs be scheduled to occur in Champaign County, at no cost to the County. Local government representatives for townships, municipal public works departments, and the county highway department were contacted in November, 2014 with information regarding a planned used tire collection to be held during the last week of March, 2015.

Keith Padgett (Champaign Township Road Commissioner) previously coordinated used tire pickups with IEPA on occasion in previous years. Mr. Padgett believes it would make more sense that used tire collections for pickup of local governments’ tires collected alongside roadways and ditches instead be coordinated by the county.

With regard to a site for a local government used tire collection, County Facilities Manager Dana Brenner agreed that the open paved area located nearby the old highway garage on the County east campus premises could be workable for a tire collection for a limited time during a weekday in late March of 2015. In conjunction with the planned collection, IEPA agreed to include two additional stops at both the City of Urbana and City of Champaign Public Works Department to pick unwanted tire up directly from those sites. The County Probation and Court Services staff agreed to supply community service workers to be present at the County campus site during the tire collection event.



STATE OF ILLINOIS,  
Champaign County  
Application for:  
Recreation & Entertainment License

Applications for License under County Ordinance No. 55 Regulating Recreational & Other Businesses within the County (for use by businesses covered by this Ordinance other than Massage Parlors and similar enterprises)

**FILED**  
**FEB 27 2015**

For Office Use Only

License No. \_\_\_\_\_  
Date(s) of Event(s) July 1-4, 2015  
Business Name: \_\_\_\_\_  
License Fee: \$ 40.00  
Filing Fee: \$ 4.00  
TOTAL FEE: \$ 44.00  
Checker's Signature: [Signature]

Filing Fees: Per Year (or fraction thereof): \$ 100.00  
Per Single-day Event: \$ 10.00  
Clerk's Filing Fee: \$ 4.00

Checks Must Be Made Payable To: Gordy Hulten, Champaign County Clerk

The undersigned individual, partnership, or corporation hereby makes application for the issuance of a license to engage a business controlled under County Ordinance No. 55 and makes the following statements under oath:

- A. 1. Name of Business: Generations Music Booking, NFP  
2. Location of Business for which application is made: 1302 N. Coler Ave, Urbana, IL (Champaign County Fairgrounds)  
3. Business address of Business for which application is made: 2507 S. Neil St, Champaign, IL 61820  
4. Zoning Classification of Property: Commercial/Non Profit  
5. Date the Business covered by Ordinance No. 55 began at this location: temporary  
6. Nature of Business normally conducted at this location: Fair + various entertainment events  
7. Nature of Activity to be licensed (include all forms of recreation and entertainment to be provided): Christian music festival, anticipated ~ 1,000-1,500 attendance  
8. Term for which License is sought (specifically beginning & ending dates): July 1-4, 2015  
(NOTE: All annual licenses expire on December 31st of each year)
9. Do you own the building or property for which this license is sought? No  
10. If you have a lease or rent the property, state the name and address of the owner and when the lease or rental agreement expires: Champaign County Fair Association - leased June 27 - July 5  
11. If any licensed activity will occur outdoors attach a Site Plan (with dimensions) to this application showing location of all buildings, outdoor areas to be used for various purposes and parking spaces. See page 3, Item 7. Attached

217-419-1463  
Jim

INCOMPLETE FORMS WILL NOT BE CONSIDERED FOR A LICENSE AND WILL BE RETURNED TO APPLICANT

- B. If this business will be conducted by a person other than the applicant, give the following information about person employed by applicant as manager, agent or locally responsible party of the business in the designated location:

Name: N/A Date of Birth: \_\_\_\_\_  
Place of Birth: \_\_\_\_\_ Social Security No.: \_\_\_\_\_  
Residence Address: \_\_\_\_\_  
Citizenship: \_\_\_\_\_ If naturalized, **place** and **date** of naturalization: \_\_\_\_\_

If, during the license period, a new manager or agent is hired to conduct this business, the applicant **MUST** furnish the County the above information for the new manager or agent within ten (10) days.

Information requested in the following questions must be supplied by the applicant, if an individual, or by all members who share in profits of a partnership, if the applicant is a partnership.

If the applicant is a corporation, all the information required under Section D must be supplied for the corporation and for each officer.

Additional forms containing the questions may be obtained from the County Clerk, if necessary, for attachment to this application form.

- C. 1. Name(s) of owner(s) or local manager(s) (include any aliases): Corporation  
(Non-Profit) - Section D completed  
Date of Birth: \_\_\_\_\_ Place of Birth: \_\_\_\_\_  
Social Security Number: \_\_\_\_\_ Citizenship: \_\_\_\_\_  
If naturalized, state **place** and **date** of naturalization: \_\_\_\_\_
2. Residential Addresses for the past three (3) years: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
3. Business, occupation, or employment of applicant for four (4) years preceding date of application for this license: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

EACH OFFICER MUST COMPLETE SECTION D. OBTAIN ADDITIONAL FORM PAGES IF NEEDED FROM THE COUNTY CLERK AND ATTACH TO THIS APPLICATION WHEN FILED.

- D. Answer **only** if applicant is a Corporation:

1. Name of Corporation exactly as shown in articles of incorporation and as registered:  
Generations Music Booking, NFP
2. Date of Incorporation: 3/4/2013 State wherein incorporated: IL

3. If foreign Corporation, give name and address of resident agent in Illinois:

N/A

Give first date qualified to do business in Illinois: \_\_\_\_\_

4. Business address of Corporation in Illinois as stated in Certificate of Incorporation:

2507 S. Neil St.

Champaign, IL 61820

5. Objects of Corporation, as set forth in charter: Religious

6. Names of all Officers of the Corporation and other information as listed:

Name of Officer: James Eisenmenger Title: Treasurer / Secretary

Date elected or appointed: 3/14/13 Social Security No.: \_\_\_\_\_

Date of Birth: \_\_\_\_\_ Place of Birth: Chicago, IL

Citizenship: U.S.A.

If naturalized, place and date of naturalization: \_\_\_\_\_

Residential Addresses for past three (3) years: \_\_\_\_\_

1798 CR 700N

Sidney, IL 61877

Business, occupation, or employment for four (4) years preceding date of application for this license: Martin Hood, Frrese + Associates LLC

Partner - CPA/Accounting

7. A site plan (with dimensions) must accompany this application. It must show the location of all buildings, outdoor areas to be used for various purposes and parking spaces.

Attached

Recreation & Entertainment License Application  
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3. If foreign Corporation, give name and address of resident agent in Illinois:

\_\_\_\_\_  
\_\_\_\_\_

Give first date qualified to do business in Illinois: \_\_\_\_\_

4. Business address of Corporation in Illinois as stated in Certificate of Incorporation:

\_\_\_\_\_  
\_\_\_\_\_

5. Objects of Corporation, as set forth in charter: \_\_\_\_\_

6. Names of all Officers of the Corporation and other information as listed:

Name of Officer: Luke Welchel Title: President  
Date elected or appointed: 3/14/13 Social Security No.: \_\_\_\_\_  
Date of Birth: \_\_\_\_\_ Place of Birth: Normal, IL  
Citizenship: U.S.A.  
If naturalized, place and date of naturalization: \_\_\_\_\_

Residential Addresses for past three (3) years: \_\_\_\_\_

Current: 908 S. Kickapoo, Lincoln, IL 62656

past: 3210 KY Hwy 2141 #5, Stanford, KY 40484

past: 349 Timothy Ave, Danville, KY 40422

Business, occupation, or employment for four (4) years preceding date of application for this license: \_\_\_\_\_

Restaurant manager - Katries Coffee  
Office/Clerical - The Tabernacle Church

7. A site plan (with dimensions) must accompany this application. It must show the location of all buildings, outdoor areas to be used for various purposes and parking spaces.

**AFFIDAVIT**

(Complete when applicant is an **Individual or Partnership**)

I/We swear that I/we have read the application and that all matters stated thereunder are true and correct, are made upon my/our personal knowledge and information and are made for the purpose of inducing the County of Champaign to issue the permit hereunder applied for.

I/We further swear that I/we will not violate any of the laws of the United States of America or of the State of Illinois or the Ordinances of the County of Champaign in the conduct of the business hereunder applied for.

\_\_\_\_\_  
Signature of Owner or of one of two members of Partnership

\_\_\_\_\_  
Signature of Owner or of one of two members of Partnership

\_\_\_\_\_  
Signature of Manager or Agent

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
Notary Public

**AFFIDAVIT**

(Complete when applicant is a **Corporation**)

We, the undersigned, president and secretary of the above named corporation, each first being duly sworn, say that each of us has read the foregoing application and that the matters stated therein are true and correct and are made upon our personal knowledge and information, and are made for the purpose of inducing the County of Champaign to issue the license herein applied for.

We further swear that the applicant will not violate any of the laws of the United States of America or of the State of Illinois or the Ordinances of the County of Champaign in the conduct of applicant's place of business.

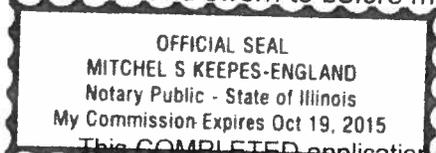
We further swear that we are the duly constituted and elected officers of said applicant and as such are authorized and empowered to execute their application for and on behalf of said application.

[Signature]  
Signature of President

[Signature]  
Signature of Secretary

[Signature]  
Signature of Manager or Agent

Subscribed and sworn to before me this 24<sup>th</sup> day of February, 2015.



[Signature]  
Notary Public

This **COMPLETED** application, along with the appropriate amount of cash, or certified check made payable to GORDY HULTEN, CHAMPAIGN COUNTY CLERK, must be turned in to the Champaign County Clerk's Office, 1776 E. Washington St., Urbana, Illinois 61802. A \$4.00 Filing Fee should be included.

## CONTRACT

**AGREEMENT** made this 5<sup>th</sup> day of January, 2015 between the Champaign County Fair Association, hereinafter called "Owner" and Generations Music Booking NFP, hereinafter called "Promoter":

1. **Premises:** The Owner agrees to rent to the Promoter the Champaign County Fairgrounds, including the building commonly known as Kessler Hall, all green space and RV sites on the grounds, and access to all pavilions, grandstands, and unused stock pavilions (excluding horse barns). Track and infield to be provided for parking. Also, Owner will permit Promoter and promoter's guests access to bathroom facilities. The fair office and maintenance buildings are excluded from this agreement.

2. **Term:** The rental of this space by Promoter from Owner will take place on the following date(s) June 27 – July 5, 2015 (event dates July 1-4, setup and tear down June 27-30 and July 5).

3. **Rent:** Promoter shall pay to Owner rent in the amount of \$ 6,000. Promoter shall provide Owner with a security deposit of \$ 1,000. (2 separate checks, total rent \$6,000)

4. **Use:** The Promoter will rent this space from Owner for the purpose of: Audiofeed Music Festival (repeat event from 2013 and 2014)

5. **Utilities:** Electrical hookups on the fairgrounds will be used for RV camping, food vendors, and music stages to be included in the rent stated above. Promoter to pay owner \$100 charge for use of A/C and Heating if used. Owner will coordinate delivery, placement, and pickup of 3 20yd rolloff dumpsters, to be paid by Promoter.

6. **Equipment and Supplies:** Additional equipment to be provided by Owner as noted below. Otherwise, Promoter will furnish all other equipment necessary for its event unless otherwise agrees in writing with Owner.

- Temporary chain link fencing from Kessler Hall to the property border southeast of Kessler Hall (including a vehicle access gate across the asphalt driveway), and from the main bathrooms west to the Carle parking entrance, along the border of the parking lot.
- Water lines/splitters for all RV campsites.
- Use of folding chairs - to be moved from and returned to grandstands by Promoter's volunteers.
- Use of plastic trash barrels from Owner's stock.

- Toilet paper for bathroom dispensers.

7. **Maintenance:** Promoter accepts the premises rented in as-is condition and shall maintain said premises in the same condition that it is currently in, ordinary wear and tear accepted.

8. **Insurance:** Promoter shall not do anything which will in anyway impair the reasonable obligation of any policy of insurance upon the premises. Promoter shall procure and maintain at Promoter's cost and expense policies of insurance insuring the Promoter against public liability, covering the premises rented and use and operation thereof, with limits of not less than \$1 million combine single limit. Any insurance required to be procured and maintained by the Promoter shall not be subject to cancellation except after ten (10) days prior written notice to the Owner and shall name Owner as an additional insured. Promoter shall provide to the Owner a certificate evidencing the insurance of said insurance policy or policies.

9. **Rules and Regulations:** Owner has the right to bar individuals from the premises. Promoter must inform their guest of all rules and regulations. If rules and regulations are broken by guest they may be barred and/or arrested for criminal trespassing. If the rules and regulations are broken by a Promoter, it is grounds for termination of this Contract.

10. **Indemnification:** The Promoter agrees to indemnify and save harmless the Owner from and against all claims of whatever nature arising from any act or omission of negligence of the Promoter or the Promoter's agents, servants, or employees, for personal injury or for damage to the premises or any person other than Owner or its agents, occurring during the term hereof in or about the premises. This indemnification and hold harmless agreement shall include indemnity against all reasonable costs, expenses and liability incurred in or in connection with any such claim or proceeding brought thereon, the reasonable expense of investigating the same and the defense thereof, including reasonable attorney's fees.

11. **Entry of Premises:** The Owner reserves the right to enter upon the premises at all reasonable hours for the purpose of inspecting the same.

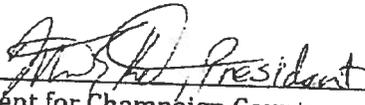
12. **Default:** If Promoter defaults in any of its obligations under this Contract, Owner shall be entitled to terminate this Contract and recover from Promoter any damages from such default, including reasonable attorney fees.

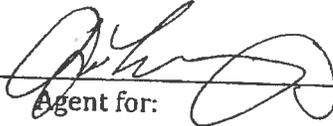
13. **Assignment:** Promoter shall not assign any of the rights under this Contract or sublet the space, without the prior written consent of the Owner.

**IN WITNESS WHEREOF** the parties sign their names through their respective agents.

Champaign County Fair Association

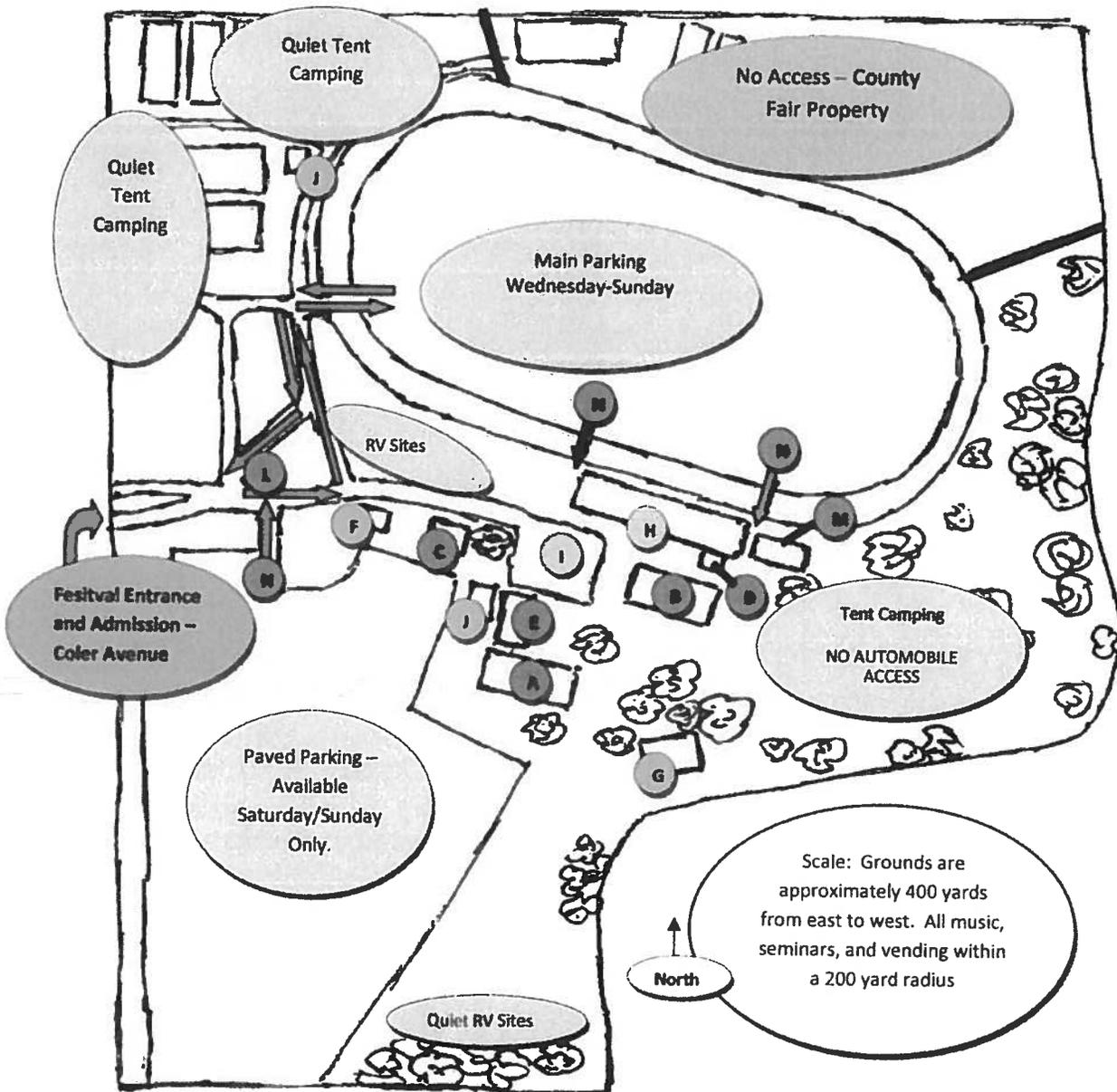
Generations Music Book Sign. NFP  
(Promoter)

By  President  
Agent for Champaign County  
Fair Association

By   
Agent for:

Owner

Promoter



- |   |  |
|---|--|
| <b>A</b> ARKANSAS STAGE (KESSLER HALL)  | <b>H</b> MERCHANDISE VENDING               |
| <b>B</b> BLACK SHEEP/HIM MAGAZIE STAGE  | <b>I</b> FOOD VENDING                      |
| <b>C</b> ACOUSTIC STAGE/ASYLUM STAGE    | <b>J</b> BATHROOMS/SHOWERS                 |
| <b>D</b> THE FRONT PORCH IMPROMPTU      | <b>L</b> ADMISSIONS TENT/TICKETS/FIRST AID |
| <b>E</b> DANCE CLUB (FRIDAY NIGHT ONLY) | <b>M</b> ARTIST MEALS/HOSPITALITY          |
| <b>F</b> MINISTRY TENT-PRAYER & WORSHIP | <b>N</b> FOOT TRAFFIC FROM PARKING         |
| <b>G</b> THE ASYLUM                     |  |

Champaign County  
Department of

**PLANNING &  
ZONING**

Brookens Administrative Center  
1776 E. Washington Street  
Urbana, Illinois 61802

(217) 384-3708  
[zoningdept@co.champaign.il.us](mailto:zoningdept@co.champaign.il.us)  
[www.co.champaign.il.us/zoning](http://www.co.champaign.il.us/zoning)

To: **Environment and Land Use Committee**  
From: **John Hall**, Director & Zoning Administrator  
**Jamie Hitt**, Zoning Officer

Date: **April 1, 2015**

RE: **County Removal of Garbage and Debris at 1101 Carroll Avenue,  
Urbana**

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Requested Action:

**Committee affirmation is sought regarding a proposed FY2015  
budget amendment for removal of garbage and debris on the  
property at 1101 Carroll Avenue, Urbana**

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### **Background**

The property at 1101 Carroll Avenue, Urbana, has been the subject of an enforcement action for violations of the Nuisance Ordinance since December 9, 2009. The violations are garbage and debris and the building is a dangerous structure. This property appears to be the worst case of garbage and debris among all unresolved complaints.

This enforcement case was referred to the State's Attorney on February 8, 2010. Discussions with the current owner indicate that the owner cannot afford to remove the garbage and debris or enclose the dangerous structure.

This property was also included on the list of dangerous structures that the Committee reviewed at the February 5, 2015, meeting. In the list of dangerous structures this structure was indicated as an FY2020 demolition because there are several large liens against the property and it is doubtful that the County will recover the cost of removing the garbage and debris and/or demolishing the structure.

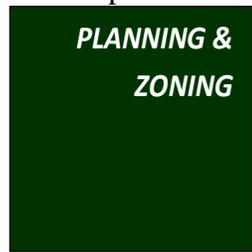
Paragraph 4.4 D. of the Nuisance Ordinance provides that the County may abate a public nuisance involving garbage or debris and collect the reasonable cost of removal as a lien upon the property. Thus, with the Board's approval of a budget amendment the garbage and debris can be removed without waiting for a court decision.

At least two cost estimates for clean-up of the garbage and debris will be available at the meeting. A budget amendment will be necessary because the Property Clearance/Clean up line item (080-077-534.21) has already been committed to other projects. If the Committee approves the removal of the garbage and debris a budget amendment will be sought at the April 14 COW meeting.

Alternatively, the removal of the garbage and debris could be programmed for the FY2016 budget in which case clean up would likely not occur for at least one year or as weather allows.

### **County Clean Up is a Last Resort**

County removal of garbage and debris is a last resort when the owner cannot or will not clean up the property. County clean up is not required by the Nuisance Ordinance but the Nuisance Ordinance does provide for County clean up without court action. County clean up is very unusual and only a very few properties have been cleaned up in this way.



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www.co.champaign.il.us/zoning

To: **Environment and Land Use Committee**  
From: **John Hall**, Director & Zoning Administrator  
Date: **March 31, 2015**  
RE: **Case 769-AT-13**

Amend the Champaign County Zoning Ordinance by amending the Champaign County Stormwater Management Policy by changing the name to Storm Water Management and Erosion Control Ordinance and amending the reference in Zoning Ordinance Section 4.3.10; and amend the Storm Water Management and Erosion Control Ordinance to add Erosion and Sedimentation Controls to meet the requirements of the National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Storm Water Discharge Permit with the Illinois Environmental Protection Agency (IEPA) and make other changes and add other requirements related to erosion and sedimentation control, as described in the legal advertisement.

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## **BACKGROUND**

The Zoning Board of Appeals voted 6 to 0 (with all members present) to RECOMMEND ENACTMENT of this amendment at their March 26, 2015, public hearing. The public hearing for this amendment was authorized at the January 9, 2014, ELUC meeting. The amendment recommended by the ZBA is substantially the same as that reviewed by ELUC although some changes have been made.

Standard protocol is for the Committee to make a preliminary recommendation on a proposed text amendment at the first Committee meeting following a ZBA recommendation (this meeting) and then make a recommendation to the County Board at the next regularly scheduled Committee meeting on May 7, 2015. The one month delay in a final recommendation is intended to give municipalities and townships with plan commissions one month in which to provide comments or protests.

## **DRAFT STORM WATER MANAGEMENT AND EROSION CONTROL ORDINANCE**

The Draft Ordinance is based on the existing Champaign County *Storm Water Management Policy* and the proposed changes are, in general, the minimum necessary changes to meet the applicable requirements of the National Pollutant Discharge Elimination System (NPDES) Storm Water Program that are briefly summarized in Attachment A. Attachment B reviews the major changes in the proposed amendment. The Draft Amendment is included as Attachment F. Note that text that has been changed since the last ELUC review is indicated with double underlining.

## **IMPACT OF THE PROPOSED ORDINANCE ON LANDOWNERS**

Item 16.B. in the Finding of Fact reviewed anticipated cost impacts of the proposed amendment. Cost impacts on landowners are also briefly reviewed in Attachment B.

## **IMPACT OF THE PROPOSED ORDINANCE ON COUNTY STAFFING**

As Recommended, the new "Land Disturbance Erosion Control Permit" is only required in the MS4 Jurisdictional Area. A map of the MS4 Area is included in Appendix C of the Draft Ordinance. Based on recent permitting trends, the number of new LDEC Permits in the MS4 Area should be no more than five per year. Provided that the number of LDEC Permits does not greatly exceed that amount, the staffing impact for the Department should be minimal and no additional staffing should be required. See Finding of Fact item 16.B.(4) c.

## **STAKEHOLDER PARTICIPATION**

Local civil engineers, contractors, and home builders were provided notice of the text amendment and the public hearing. The ZBA reviewed all comments received during the public hearing.

## **HANDOUT**

A Handout has been prepared for public outreach. See Attachment E.

## **RELATED ZONING CASE 773-AT-14**

During the public hearing for Case 769-AT-13 it became clear that the original legal advertisement for Case 769-AT-13 did not include mention of a permit for either grading or demolition that are not related to other construction, outside of the MS4 Jurisdictional Area. Without a requirement for either of those permits the protections to neighbors provided by the “minimum erosion control standards” in Sections 6.1F., 6.4, and 6.5 would not apply. Instead of re-advertising the very lengthy legal advertisement for Case 769-AT-13 the Zoning Administrator initiated a separate zoning case, Case 773-AT-14, which proposes the new Grading Permit and Demolition Permit for grading or demolition that is not related to other construction, outside of the MS4 Jurisdictional Area. Case 773-AT-14 is not required for Champaign County to meet the applicable requirements of the NPDES Storm Water Program. The ZBA also recommended approval of Case 773-AT-14.

## **COUNTY BOARD MUST ALSO APPROVE “WATER POLLUTION CONTROL AUTHORITY”**

The State’s Attorney recommends that in order for the County Board to have legal authority to adopt the proposed Ordinance it should first adopt authority to control water pollution as provided in 55ILCS 5-15015. See Attachment D for relevant excerpts.

Note that 55ILCS 5-15 authorizes a county board to adopt many different authorities related to provision of water and sewer services, waste management, water and flood control, and water pollution control, but 55ILCS 5-15015 specifically only relates to water pollution control.

55ILCS 5-15001 requires a county board to adopt the specific authority (water pollution control in this instance) in a Resolution approved by a two-thirds vote of that county board. Adoption of such a Resolution will have to be approved by an affirmative vote of 15 members of the County Board before the Draft Ordinance can be adopted.

The Resolution to adopt the water pollution control authority under 55ILCS 5-15015 is not required to have a public hearing. The Draft Resolution should proceed in parallel with the text amendment after the ZBA makes a recommendation regarding the text amendment.

## **ATTACHMENTS**

- A**     **Background to the National Pollutant Discharge Elimination System (NPDES) Storm Water Program**
- B**     **Summary of Proposed Major Changes to the Storm Water Management Policy**
- C**     **As-Approved Summary Finding of Fact for Case 769-AT-13**
- D**     **Excerpts from 55ILCS 5-15 Water Supply, Drainage and Flood Control**
- E**     **Draft Handout *Erosion Control Requirements in Rural Champaign County***
- F**     **Draft *Storm Water Management and Erosion Control Ordinance As Recommended for Approval***

Attachment A. Background to the National Pollutant Discharge Elimination System (NPDES)  
Storm Water Program

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Champaign County was identified as a small Municipal Separate Storm Sewer System (MS4) in March 2003 as part of the expanded Phase II of the National Pollutant Discharge Elimination System (NPDES) Storm Water Program. Champaign, Urbana, Savoy, the University of Illinois, and Fountainhead Drainage District are also MS4s .

Mandated by Congress under the Clean Water Act, the NPDES Storm Water Program is a comprehensive two-phased national program for addressing the non-agricultural sources of storm water discharges which adversely affect the quality of our nation's waters. The Clean Water Act prohibits anybody from discharging pollutants through a point source into a water of the United States unless they have an NPDES permit. A point source is any discernible, confined and discrete conveyance, such as a pipe, ditch, channel, or container.

Phase II required small MS4s in urbanized areas to obtain NPDES permits and implement six minimum control measures by using selected best management practices (BMPs).

Urbanized areas are delineated by the Census Bureau and are defined as a central place or places and the adjacent densely settled surrounding area, that together have a residential population of at least 50,000 people and an overall population density of at least 500 people per square mile. Only about 10 square miles (about 1%) of the approximately 1,000 square miles that make up Champaign County are included in the urbanized area (see the attached map).

Champaign County is not a municipality but the regulatory definition of MS4 also includes any County owned road with a drainage system. County Highway roadside ditches are currently the only point source discharges in the urbanized area that are maintained by Champaign County.

Champaign County must maintain compliance with the MS4 requirements of the NPDES Storm Water Program. MS4 compliance requires that an updated Notice of Intent (NOI) be on file with the Illinois Environmental Protection Agency (IEPA) at all times. Each NOI is only for a five year term and a new NOI must be filed before the current NOI expires.

The NOI must explain which best management practices Champaign County will use to implement the six required *minimum control measures*. *The six required minimum control measures* are the following:

- **Public Education and Outreach.** Selected BMPs should educate the public on the various ways to reduce storm water pollution.
- **Public Participation and Involvement.** Selected BMPs should involve the public in developing, implementing, and reviewing MS4 best management practices.
- **Illicit Discharge Detection and Elimination (IDDE) .** Selected BMPs should identify improper discharges and spills to drainage systems and include enforcement mechanisms.
- **Construction Site Runoff Control.** Selected BMPs should enable construction site operators (builders and MS4s) to manage storm water runoff so as to reduce pollution.
- **Post-Construction Runoff Control.** Selected BMPs should enable property owners (developers and MS4s) to manage storm water runoff so as to reduce pollution from a site after construction activities have ended.

Attachment A. Background to the National Pollutant Discharge Elimination System (NPDES)  
Storm Water Program

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- **Pollution Prevention and Good Housekeeping.** Selected BMPs should enable the MS4 entity to minimize pollution from its own property and facilities by reducing pollution from streets, parking lots, open spaces, and storage and vehicle maintenance areas and is discharged into local waterways or that results poor maintenance of storm sewer systems.

Champaign County has worked in cooperation with the other MS4s in the Champaign County Urbanized Area to share costs and expertise and common efforts to develop a regional consistency towards fulfilling the NPDES Phase II MS4 requirements.

Adoption of an erosion control ordinance has been included in Champaign County's Notice of Intent (NOI) for the Illinois Environmental Protection Agency's (IEPA) Municipal Separate Storm Sewer System (MS4) storm water permit since the first NOI was adopted by the County Board in 2003.

Champaign County staff participated in the development of an Erosion and Sediment Control Ordinance that was principally developed by the staffs of Urbana and Champaign. Urbana and Champaign both adopted erosion control ordinances in 2007 and 2008.

IEPA staff is expected to audit the Champaign County MS4 program in 2013. The results of that audit will largely depend upon showing substantial progress toward adopting an erosion and sedimentation control ordinance.

Attachment B. Summary of Major Changes to the Storm Water Management Policy

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- A. A new “**Land Disturbance Erosion Control (LDEC) Permit**” is proposed for any non-exempt land disturbance in the Champaign County MS4 Jurisdictional Area. See Section 12. Important points to consider are the following:
1. **Two types of LDEC Permits** are proposed, the **Minor** (Section 12.2) and the **Major** (see Section 12.3) depending upon the amount of land disturbance:
    - **The Major LDEC Permit is for one or more acres of land disturbance.** This much land disturbance is already required to have an ILR10 permit from the Illinois Environmental Protection Agency and the only new requirement in the Major LDEC Permit is to copy the County on all IEPA reports.
    - **The Minor LDEC Permit is required for less than an acre of impervious area. This will be a significant change for those who must apply, but professional preparation will not be required for the Minor LDEC Permit.**
  2. **Exemptions are as broad as possible** so as to limit applicability to only what is absolutely required for compliance with the IEPA requirements (see Sections 4.2 and 4.4).
  3. **The proposed LDEC Permit will be required prior to approval of any required Zoning Use Permit** (see Section 5.2). The Zoning Use Permit authorizes construction and the required erosion controls must be in place before construction can be authorized.
  4. **Demolition and/or Grading not related to other construction** will be required to have an LDEC Permit.
  5. **New Administrative and Enforcement rules** are also proposed for the LDEC Permit (see Sections 13, 14, and 15) to supplement what is already in the Zoning Ordinance.
  6. **New “technical appendices”** are proposed to help applicants prepare the necessary “Erosion and Sediment Control Plan (ESCP)” (see Appendices D, E, and F). These Appendices are based on those adopted by the Cities of Champaign and Urbana.
  7. **Cost impacts to landowners** for the erosion controls are anticipated to vary as follows:
    - **Very little cost impact for the proposed Major Permit** (1 acre or more of land disturbance). The IEPA already requires erosion and sediment controls and the only new requirement is to copy the Department of Planning and Zoning on all reports sent to the IEPA.
    - **A Very significant cost impact for the Minor Permit.** Item 16.B.(3) in the Finding of Fact summarizes an evaluation of the estimated cost for a similar ordinance prepared by the City of Bloomington Engineering Department in 2004, and includes certain adjustments for differences in the proposed Draft Ordinance. The Minor LDEC Permit is expected to have the following impact:
      - **\$2,322 to \$3,093 of added cost for 10,400 square feet of land disturbance** (comparable to the disturbance caused by constructing a new dwelling served by sewer and public water).
      - **\$3,898 to \$5,493 of added cost for 20,000 square feet of land disturbance** (comparable to the disturbance caused by constructing a new dwelling in the RRO District).

Attachment B. Summary of Major Changes to the Storm Water Management Policy

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- No added requirement or cost for a new “by-right” dwelling in a rural zoning district in the MS4 area so long as there is no erosion or sedimentation on adjacent property.

8. **Impact on County staffing should be minimal**, as proposed. The new “Land Disturbance Erosion Control Permit” is only required in the MS4 Jurisdictional Area. Based on recent permitting trends, the number of new LDEC Permits in the MS4 Area should be no more than five per year. Provided that the number of LDEC Permits does not greatly exceed that amount, the staffing impact for the Department should be minimal and no additional staffing will be required.

**B. New requirements are proposed for “Land Disturbance Erosion Control” that will apply to any “Land Disturbance Erosion Control Permit”.** See Section 11.

1. **These requirements also apply to Storm Water Drainage Plans** but the Draft Ordinance is based on the same erosion control guidelines (the Illinois Urban Manual by the National Resources Conservation Service) as the current Storm Water Management Policy so this is not a substantive change for projects that would have been required to have a Storm Water Drainage Plan.
2. Other than the changes proposed in Section 6 (see the “Optional for Committee Consideration” below), the proposed Draft does not require erosion control to protect sensitive areas like Forest Preserve properties, streams, or drainage ditches outside of the MS4 Jurisdictional Area.

**C. Other new requirements to protect drainage and prevent nuisance conditions that apply throughout the unincorporated area:**

1. **Locational restrictions on sump pump and wastewater treatment system discharges that apply only to new principal uses** (par. 6.1 D.). The version previously reviewed by ELUC required a minimum 10 feet separation between any sump pump discharge or discharge from any private wastewater treatment system and a roadside ditch, off-site drainage swale, stream, property line, or in such a way that it creates a nuisance condition at any time of the year or contributes to erosion. The ZBA recommendation applies only to a discharge from a new principal use established after the adoption of this amendment but requires a 25 feet separation.
2. **Protections to existing drainage.** Existing protections to existing surface drainage have been strengthened (see paragraphs 6.2 C. and D.) and an existing Nuisance Ordinance prohibition against destruction of drainage improvements has been added (see paragraph 6.3G.).

**D. ZBA RECOMMENDED OPTIONS.** Two changes were previously reviewed by ELUC that were not required to meet IEPA requirements and were optional for the County Board. ELUC authorized these options to go to the public hearing even though such options might not be included in the final amendment. The ZBA recommended these options, as follows:

- **“Minimum Erosion Control Standards” in Section 6.1 F, 6.4, and 6.5.** These changes are not required by the IEPA outside of the MS4 Area and are otherwise optional for the County Board to adopt but are consistent with the Land Resource Management Plan. **These Standards must be made to apply in the MS4 Area if they do not apply everywhere.** The standards are as follows:
  - **Erosion and sedimentation onto adjacent properties shall be minimized** (paragraph 6.1 F.);

Attachment B. Summary of Major Changes to the Storm Water Management Policy

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- **If there is a valid complaint regarding erosion and sedimentation on adjacent property, the Zoning Administrator is authorized to require the installation of erosion and sedimentation controls** if necessary (Section 6.5 and Section 6.4).
- **Construction waste and debris shall be disposed of properly and shall not be allowed to be blown or carried offsite by water** (paragraph 6.4 C.);
- **All land disturbance and any large stockpile of earth (more than 150 cubic yards) must meet minimum separations from sensitive areas** (paragraphs 6.4 D. and E.).
- **Any sediment deposited onto a public street must be cleaned up at the end of the work day** (paragraph 6.4 F.)
- **A new \$50 fee is proposed for the “Minor LDEC Permit”**. See Section 12.4 of the proposed Ordinance. This small fee is to pay a portion of County costs for permitting and inspection. The required “erosion and sediment control plan” for the Minor Permit will not be required to be prepared by a Professional Engineer. County Zoning Staff will spend as much time as it takes to assist applicants for the Minor LDEC Permit. Inspections will be required every week until a permanent vegetative cover is established (Final Stabilization).

**E. AN OPTION NOT RECOMMENDED BY THE ZBA: ILR 10 COMPLIANCE OUTSIDE THE MS4 AREA.** The Illinois Environmental Protection Agency requires any land disturbance of an acre or more or less than an acre if it is part of a “common plan of development or sale of record” that ultimately disturbs one acre or more, to apply for and remain compliant with an “ILR10 General Construction Storm Water Permit”. The Draft Ordinance reviewed by ELUC in January 2014 did not adequately explain the ILR10 Permit requirement.

During the public hearing paragraph 4.1 A. of the Draft Ordinance was revised to make clear when the County is obligated to ensure that a land disturbance has an ILR10 Permit from the IEPA. Outside of the MS4 Area Champaign County is only required to ensure compliance with the ILR10 Permit requirement for Floodplain Development Permits. The County Board has the option of always ensuring that all relevant construction and land disturbance has an ILR10 Permit from the IEPA.

Paragraph 4.1 A. 4.c. of the Draft Ordinance is the paragraph which would have to be included in the amendment in order to require ILR10 compliance for all relevant projects but the ZBA did not recommend this option and that paragraph is not included in the proposed amendment at this time.

**SUMMARY FINDING OF FACT**

From the documents of record and the testimony and exhibits received at the public hearing conducted on **February 13, 2014; March 13, 2014; May 29, 2014; June 12, 2014; July 13, 2014; September 11, 2014; December 11, 2014; January 15, 2015; February 26, 2015; March 12, 2015; and March 26, 2015**, the Zoning Board of Appeals of Champaign County finds that:

1. Regarding the effect of the proposed text amendment on the Land Resource Management Plan (LRMP):
  - A. **Regarding Goal 8 Natural Resources:**
    - It will **HELP ACHIEVE** Objective 8.4 that states “**Champaign County will work to ensure that new development and ongoing land management practices maintain and improve surface water quality, contribute to stream channel stability, and minimize erosion and sedimentation.**” because it will **HELP ACHIEVE** the following:
      - Policy 8.4.5 that states “**The County will ensure that non-point discharges from new development meet or exceed state and federal water quality standards.**”, **WITH OR WITHOUT** the **Optional Minimum Requirements in Section 6** and **WHETHER OR NOT ILR10** compliance will be required by the County outside of the **MS4 Jurisdictional Area**; and
      - Policy 8.4.2 that states “**The County will require stormwater management designs and practices that provide effective site drainage, protect downstream drainage patterns, minimize impacts on adjacent properties and provide for stream flows that support healthy aquatic ecosystems.**” but **ONLY IF** the **Optional Minimum Requirements in Section 6** are approved.
    - Based on achievement of the above Objectives and Policies and because it will either not impede or is not relevant to the other Objectives and Policies under this goal, the proposed map amendment will **HELP ACHIEVE Goal 8 Natural Resources**.
  - B. The proposed text amendment will **NOT IMPEDE** the following LRMP goal(s):
    - **Goal 1 Planning and Public Involvement**
    - **Goal 2 Governmental Coordination**
    - **Goal 3 Prosperity**
    - **Goal 4 Agriculture**
    - **Goal 5 Urban Land Use**
    - **Goal 6 Public Health and Safety**
    - **Goal 7 Transportation**
    - **Goal 9 Energy Conservation**
    - **Goal 10 Cultural Amenities**
  - C. Overall, the proposed text amendment will **HELP ACHIEVE** the Land Resource Management Plan.

Case 769-AT-13

Attachment C. As-Approved Summary Finding of Fact for Case 769-AT-13

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2. The proposed Zoning Ordinance text amendment will **HELP ACHIEVE** the purpose of the Zoning Ordinance because:
  - The proposed amendment **WITH OR WITHOUT the Optional Minimum Requirements in Section 6 and WHETHER OR NOT ILR10 compliance will be required by the County outside of the MS4 Jurisdictional Area, WILL** conserve the value of real estate throughout the COUNTY (Purpose 2.0 (b); see Item 16.B.).
  - The proposed amendment **WITH the Optional Minimum Requirements in Section 6 and disregarding ILR10 compliance outside of the MS4 Jurisdictional Area, WILL** promote the public health, safety, comfort, morals, and general welfare throughout the (Purpose 2.0 (e); see Item 16.E.).
3. Regarding the alternative version of the text amendment:
  - A. The Zoning Board of Appeals **HAS** recommended the optional “minimum erosion control and water quality standards” included paragraph 6.1F. and Sections 6.4 and 6.5 in their recommendation to the County Board.
  - B. The Zoning Board of Appeals **HAS NOT** recommended requiring compliance with the ILR10 outside of the MS4 Jurisdictional Area and subparagraph 4.1A.4.c. in the 12/5/14 Draft **IS NOT** included in the recommendation to the County Board.
  - C. The Zoning Board of Appeals **HAS** recommended requiring a fee for the Minor Land Disturbance Erosion Control Permit and paragraph 12.4B. **IS** included in the recommendation to the County Board.
4. Regarding public outreach to implement the amendment:
  - A. The Zoning Board of Appeals has reviewed a Draft handout for the proposed amendment and found it to be **ACCURATE** in summarizing the proposed amendment and anticipate that the proposed Draft handout will be **HELPFUL** in communicating the erosion and sediment control requirements.
  - B. The Zoning Board of Appeals has reviewed the revised Land Disturbance and Zoning Use Permit application form and determined that the revised application form should be **ADEQUATE** for use upon adoption of the proposed amendment.

**Information maintained by the Legislative Reference Bureau**

Updating the database of the Illinois Compiled Statutes (ILCS) is an ongoing process. Recent laws may not yet be included in the ILCS database, but they are found on this site as [Public Acts](#) soon after they become law. For information concerning the relationship between statutes and Public Acts, refer to the [Guide](#).

Because the statute database is maintained primarily for legislative drafting purposes, statutory changes are sometimes included in the statute database before they take effect. If the source note at the end of a Section of the statutes includes a Public Act that has not yet taken effect, the version of the law that is currently in effect may have already been removed from the database and you should refer to that Public Act to see the changes made to the current law.

**COUNTIES**  
**(55 ILCS 5/) Counties Code.**

(55 ILCS 5/Div. 5-15 heading)  
Division 5-15. Water Supply, Drainage and Flood Control

(55 ILCS 5/5-15001) (from Ch. 34, par. 5-15001)  
Sec. 5-15001. Applicability. This Division shall apply to any county upon the adoption of a resolution by the county board of any such county, by at least two-thirds of the elected members, accepting the provisions hereof.  
(Source: P.A. 88-962.)

(55 ILCS 5/5-15002) (from Ch. 34, par. 5-15002)  
Sec. 5-15002. Definitions. When used in this Division the term "waterworks system" means and includes a waterworks system in its entirety, or any integral part thereof, including mains, hydrants, meters, valves, standpipes, storage tanks, pumps, tanks, intakes, wells, impounding reservoirs, machinery, purification plants, softening apparatus, and all other elements useful in connection with a water supply or water distribution system.

The term "sewerage system" means and includes any or all of the following: sewerage treatment plant or plants, collecting, intercepting, and outlet sewers, lateral sewers and drains, including combined storm water and sanitary drains, force mains, conduits, pumping stations, ejector stations, and all other appurtenances, extensions and improvements necessary, useful or convenient for the collection, treatment and disposal in a sanitary manner of storm water, sanitary sewage and industrial wastes.

The term "combined waterworks and sewerage system" means and includes a waterworks and sewerage system, as hereinabove defined, which any county shall determine to operate in combination.

The term "waste management" means the process of storage, treatment or disposal, but not the hauling or transport, of "waste" as defined in Section 3.535 of the Environmental Protection Act, but excluding "hazardous waste" as defined in that Act.

(Source: P.A. 92-574, eff. 8-26-02.)

(55 ILCS 5/5-15003) (from Ch. 34, par. 5-15003)  
Sec. 5-15003. Department of public works. The county board may establish a department of public works with authority to exercise complete supervision in such county over any of the

Sec. 5-15014. Flood control. The county board may cooperate and enter into agreements with the proper agencies of the United States Government, municipal corporations of this State, political subdivisions and persons and associations, for the formulation of plans, and for the construction of any and all improvements for the control of destructive floods, and for the conservation, regulation, development and utilization of water, waterways and water resources, or other purposes of this Division. Such agreements may assign to the several cooperating agencies particular projects or portions of projects for the purposes herein stated and may provide for joint understandings for said purposes and for contribution to execute any works agreed upon with any other of the above mentioned agencies in the State of Illinois to carry out the provisions of this Division.  
(Source: P.A. 86-962.)

55 ILCS 5/5-15015 (from Ch. 34, par. 5-15015)  
Sec. 5-15015. Pollution of streams. The county board shall have authority to prevent pollution of any stream or any other body of water within the county and to cause any and all parties, persons, firms and corporations to cease any and all pollution of any such streams or body of water within such county; provided that the authority of the Pollution Control Board of the State of Illinois shall not be superseded.  
(Source: P.A. 86-962.)

(55 ILCS 5/5-15016; (from Ch. 34, par. 5-15016)  
Sec. 5-15016. Groundwater protection. The county board of any county which is served by a community water supply well may perform a groundwater protection needs assessment, and may by ordinance adopt a minimum or maximum setback zone around a wellhead pursuant to Sections 14.2, 14.3, 14.4 and 17.1 of the Environmental Protection Act.  
(Source: P.A. 86-962.)

(55 ILCS 5/5-15017; (from Ch. 34, par. 5-15017)  
Sec. 5-15017. Revenue bonds. In order to pay the cost of the construction, acquisition by condemnation, purchase or otherwise of any waterworks properties, or sewage facilities, or a combination thereof, or waste management facilities, as the case may be, and the improvement or extension from time to time thereof, including engineering, inspection, logs and financial fees and costs, working capital, interest on such bonds during construction and for a reasonable period thereafter, establishment of reserves to secure such bonds and all other expenditures of such county incidental and necessary or convenient thereto, the county board may issue and sell revenue bonds payable solely from the income and revenue derived from the operation of the waterworks properties, or sewage facilities, or a combination thereof, or waste management facilities, as the case may be, and may also from time to time issue revenue bonds for the purpose of paying, refunding or redeeming revenue bonds before, after or at their maturity, including paying redemption premiums or interest accruing or to accrue on the bonds being paid or redeemed or for paying any other costs in connection with any such payment or redemption. All such bonds shall be authorized by ordinance to be adopted by the board, which shall be separate and distinct as applies to waterworks properties and as applied to



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# EROSION CONTROL REQUIREMENTS IN RURAL CHAMPAIGN COUNTY

REVISED DRAFT Mar. 30, 2015

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Soil erosion and sedimentation (E&S) can damage property and pollute streams. Disturbance of one acre or more of land by construction and earth moving activities (or less than an acre if it is part of a “common plan of development or sale of record” that ultimately disturbs one acre or greater) is regulated in the State of Illinois by the Illinois Environmental Protection Agency (IEPA) through the “ILR10” Permit.

**An ILR10 Permit with the IEPA is required if there is disturbance of one acre or more of land** or less than an acre if it is part of a “common plan of development or sale of record” that ultimately disturbs one acre or greater. Application is made by filing a Notice of Intent with the IEPA. Appropriate E&S controls are required and IEPA fees apply. See [www.epa.state.il.us/water/permits/storm-water/construction.html](http://www.epa.state.il.us/water/permits/storm-water/construction.html).

**Champaign County also regulates erosion and sedimentation (E&S) caused by non-agricultural activities.** E&S requirements are in the *Champaign County Storm Water Management and Erosion Control Ordinance* enforced by the Department of Planning and Zoning ([zoningdept@co.champaign.il.us](mailto:zoningdept@co.champaign.il.us) or 384-3708). E&S requirements may be summarized as follows:

- **In most of rural (unincorporated) Champaign County, E&S controls must only be provided as necessary to minimize erosion and sedimentation\*.** Consult with your contractor or builder. A Zoning Use Permit is required and other permits, approvals, and fees may also be required.
- **The following E&S related requirements apply throughout the rural (unincorporated) area:**
  - **New sump pump or private wastewater system discharges shall not discharge in such a way to create a nuisance condition or cause erosion or discharge directly into or within 25 feet of a roadside ditch, off-site drainage swale, stream, or property line.**
  - **Construction waste must be properly disposed of and prevented from being carried off-site by wind or water.\***
  - **Permits are required for Grading and/ or Demolition that disturbs one acre or more of land.\*\***
  - **Stockpiles of soil and other erodible material (such as sand) with a total volume of 150 cubic yards or more shall not be located in a drainage ditch easement or less than 50 feet from the top of bank of a drainage ditch or stream or 30 feet from the centerline of a swale or roadside ditch or property line.\*** See the attached example Zoning Use Permit Site Plan.
  - **Any soil or sediment tracked onto a street, sidewalk or public area shall be removed before the end of each workday or sooner if directed by the relevant Authority.\***
  - **If erosion or sedimentation does occur on adjacent land then E&S controls may be required.\***
- **Additional Erosion Control Requirements in the 100-year Floodplain:**
  - **If there is one acre or more of land disturbance in the 100-year floodplain, a Notice of Intent to comply with the ILR10 Permit must be filed with the IEPA and a copy of the NOI must be provided as part of the required Champaign County Floodplain Development Permit and Zoning Use Permit.** The ILR10 Permit requires appropriate E&S controls and ILR10 fees apply.
- **Additional Erosion Control Requirements in the Champaign County MS4 Area:**

**“Land Disturbance Erosion Control” (LDEC) permits are required in the Champaign County MS4 Jurisdictional Area in addition to a Zoning Use Permit.** See the attached map of the Champaign County MS4 Jurisdictional Area. The LDEC Permit requirements may be summarized as follows:

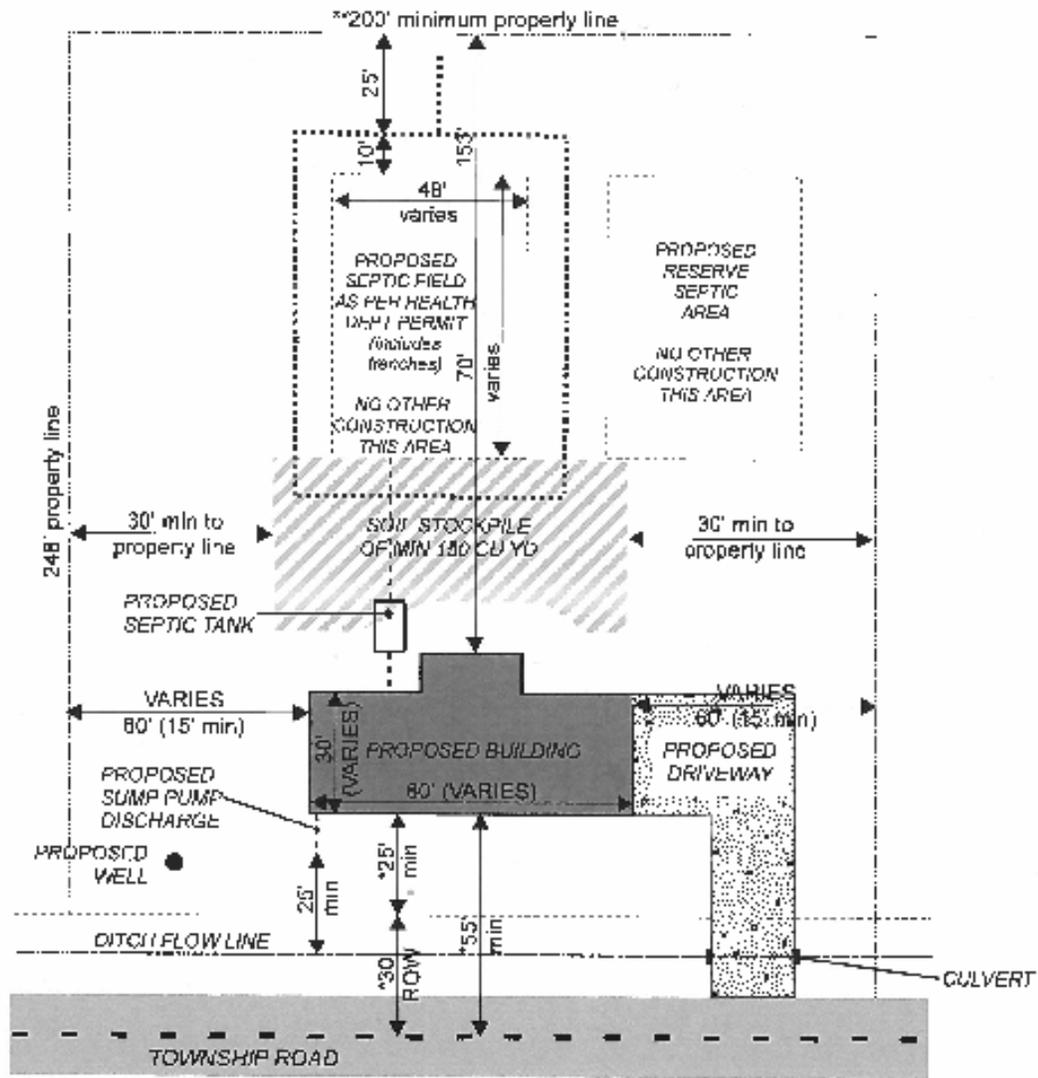
  - **Any Land Disturbance in the MS4 Jurisdictional Area requires a LDEC Permit but certain exemptions apply.** Contact the Department of Planning and Zoning ([zoningdept@co.champaign.il.us](mailto:zoningdept@co.champaign.il.us) or 384-3708). A Zoning Use Permit and other approvals and fees may also be required.
  - **If there is disturbance of one acre or more of land (or less if part of a “common plan of development or sale of record” that ultimately disturbs one acre or greater), a Notice of Intent (NOI) to comply with the ILR10 permit must be filed with the IEPA and copies of the NOI and all other ILR10 documents must be provided to Champaign County.** ILR10 fees also apply.
  - **An Erosion and Sedimentation Control Plan is required.** See the Example Erosion and Sediment Control Plan (ESCP) for a New Home on a Typical Rural Lot in the MS4 Area.
  - **E & S controls (such as a silt fence or stabilized construction entrance) must be in place before construction is authorized and extra inspections are required** and additional fees apply.\*

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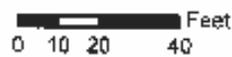
\* indicates proposed “optional minimum requirements” in Section 6 of the Draft Ordinance

\*\* the subject of Zoning Case 773-AT-14

# Example Zoning Use Permit Site Plan for a New Home on a Typical Rural Lot



\* minimum setback varies depending on street classification  
 \*\* minimum lot width in AG-1 and CR Districts



## Legend

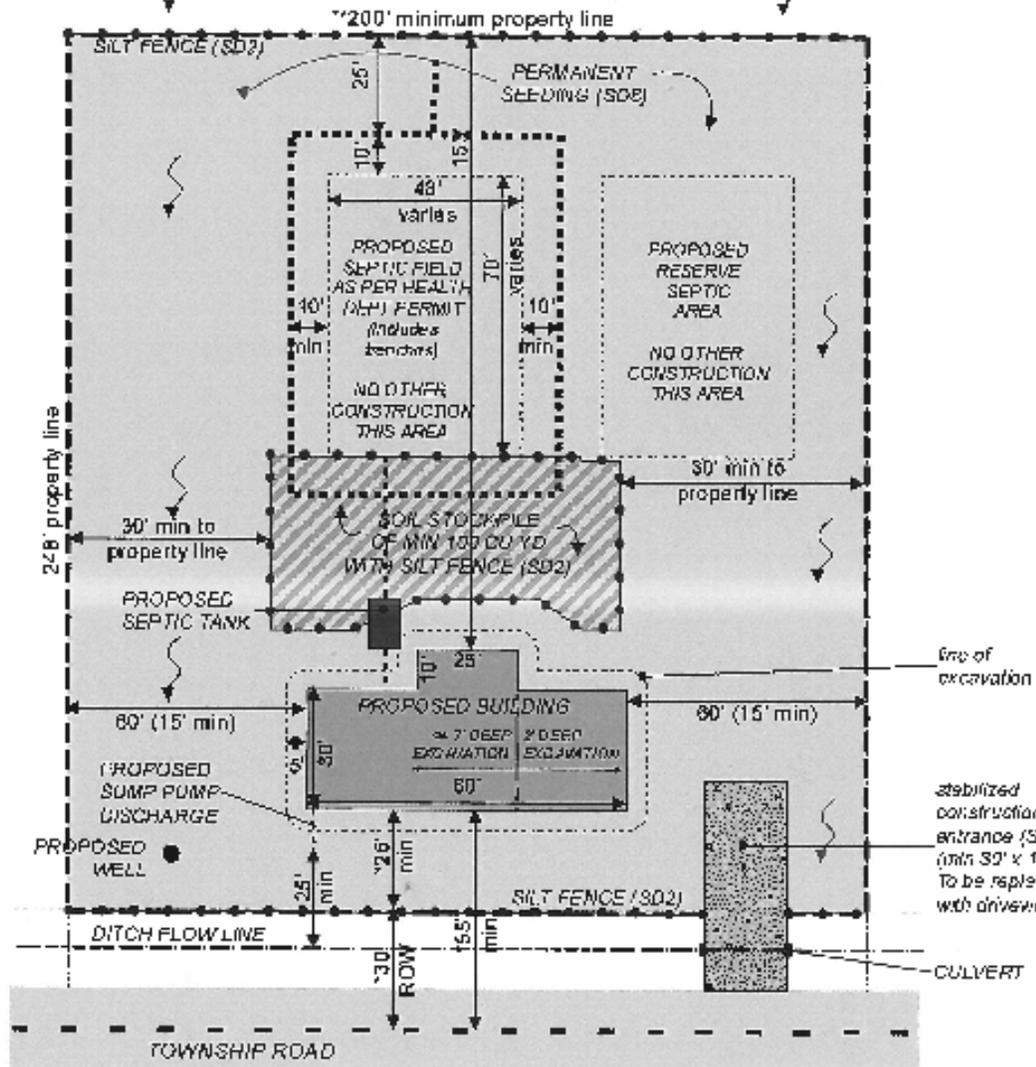
- ..... Curtain Drain
- Septic Field
- Reserve Septic Field
- //// Soil Stockpile Area
- Proposed Driveway
- Residence
- Property Line
- Township Road

Champaign County  
 Department of  
 Planning &  
 Zoning

DRAFT Dec 2014

# Example Erosion and Sediment Control Plan (ESCP) for a New Home on a Typical Rural Lot in MS4 Area

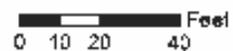
Example 2: All soil disturbed on property



\* minimum setback varies depending on street classification  
 \*\* minimum lot width in AG-1 and CR Districts

**Notes:**

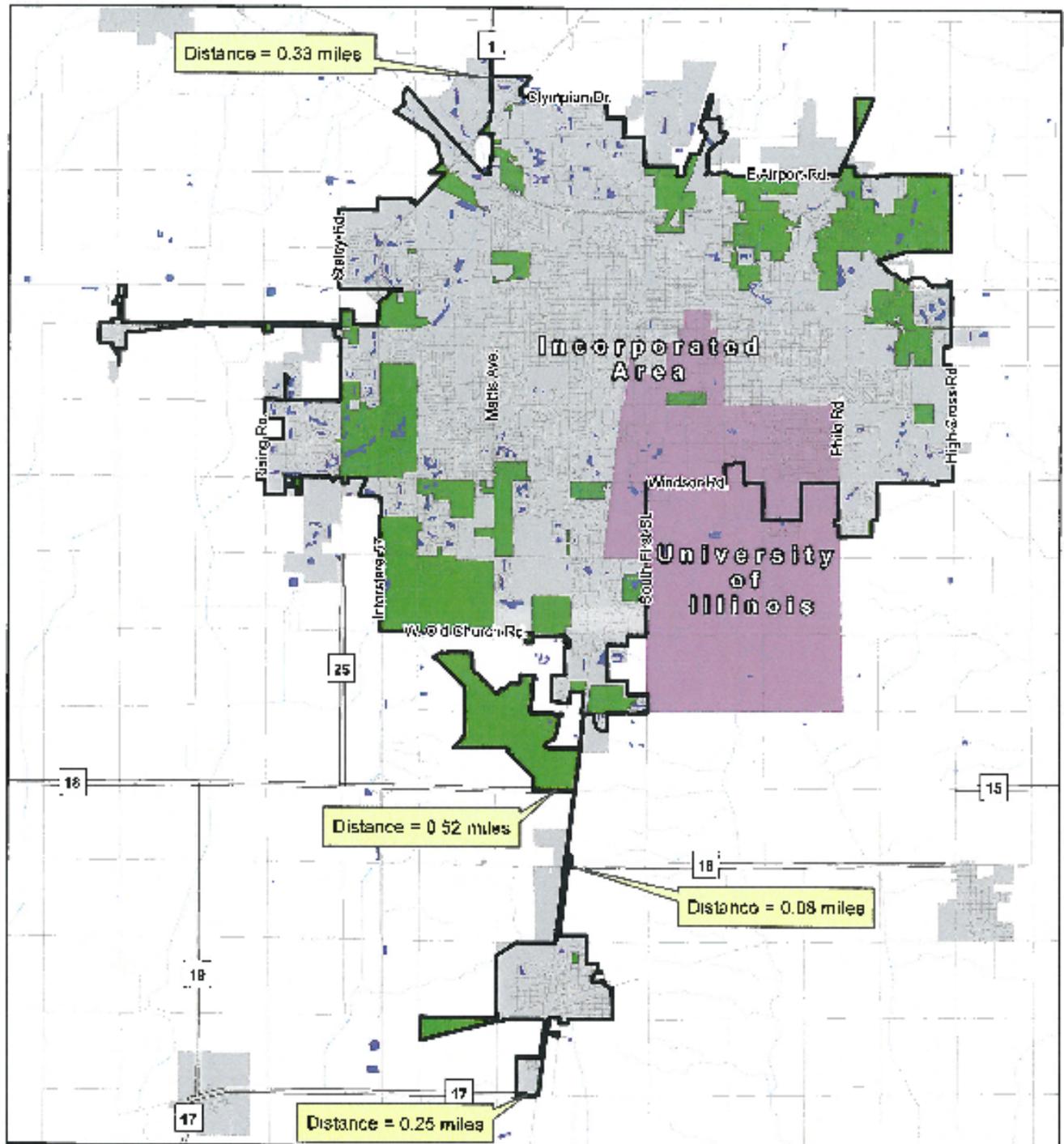
1. ESCP may be prepared on a photocopy of the Zoning Use Permit Site Plan provided by the Department of Planning & Zoning
2. For general construction sequence see General Notes in Technical Appendix D of the Stormwater Management and Erosion Control Ordinance
3. SD1, SD2, and SD8 are Standard Details in Technical Appendix D of the Stormwater Management and Erosion Control Ordinance



**Legend**

- LIMIT OF SOIL DISTURBANCE (indicate by pencil shading or use of highlighter, etc.)
- Curtain Drain
- Septic Field
- Reserve Septic Field
- Stabilized Construction Entrance (SD1)
- Soil Stockpile Area
- Residence
- Property Line
- Township Road
- SILT FENCE (SD2)
- Direction of Drainage

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### Champaign County MS4 Jurisdiction

Urbanized Area based on the 2010 Census

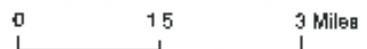
This map shows the defined MS4 jurisdiction including 10.4 square miles of unincorporated County. Location and size of County stormwater facilities are noted (Ex: Distance = 0.25 miles).

#### MS4 Related Boundaries

-  Streets
-  Urbanized Area 2010
-  County MS4 Area 2012



Map Created 7/17/14



# Storm Water Management and Erosion Control Ordinance

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Champaign County, Illinois

3/26/2015

As-Recommended for Approval Draft

Note:

Text with single underline is new text that is not included in the existing Stormwater Management Policy and that was included in the 10/29/13 Draft reviewed by ELUC.

Text with double underline is new text that has been added in the public hearing.

The Storm Water Management and Erosion Control Ordinance is part of Champaign County's National Pollution Discharge Elimination System (NPDES) program to comply with State and Federal requirements for storm water discharge.

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*Storm Water Management and Erosion Control Ordinance*

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**Appendix F- Standard Details**

## **1. AUTHORITY**

### **1.1 Title**

This Ordinance shall be known, and may be cited as, the Champaign County Storm Water Management and Erosion Control Ordinance.

### **1.2 Illinois Compiled Statutes**

This Ordinance has been adopted pursuant to Champaign County's authority to zone land (55 ILCS 5/5-12001); Champaign County's authority to adopt rules and regulations for subdivisions (55 ILCS 5/5-1041); and Champaign County's authority to prevent water pollution (55 ILCS 5/5-15015); Champaign County's authority to establish and implement a comprehensive and coordinated erosion and sediment control plan in cooperation with other units of government (70 ILCS 405/3.12); and other applicable authority, all as amended from time to time.

## **2. PURPOSE**

The purpose of this ordinance is to accomplish the following:

- A. Protect the existing agricultural and natural drainage infrastructure.
- B. Provide for adequate drainage of DEVELOPMENT SITES and surrounding areas.
- C. Guide DEVELOPERS' and builders' attempts to control the movement of STORM WATER and reduce damage to property.
- D. Conserve, preserve and enhance the natural resources of the County, including its SOILS, waters, vegetation, fish and wildlife.
- E. Promote public welfare and protect waters under the Clean Water Act by guiding, regulating and controlling the design, CONSTRUCTION, use and maintenance of any DEVELOPMENT or other activity that disturbs SOIL on land situated within the County.
- F. Safeguard persons and protect property from the hazards and negative impacts of SOIL EROSION created by LAND DISTURBANCE.
- G. Prevent flooding caused by silt clogging STORM WATER management infrastructure, such as STORM SEWERS, inlets and receiving CHANNELS or streams.
- H. Control the rate of release of STORM WATER and require temporary storage of STORM WATER from DEVELOPMENT SITES.
- I. Preserve and enhance water quality by preventing silt-laden water from reaching creeks, CHANNELS, streams, WETLANDS and other public waterways.
- J. Fulfill the applicable requirements of the NPDES Phase II Storm Water permit.

## **3. DEFINITIONS**

The following definitions shall apply to this Ordinance. Words not defined in this Section shall be interpreted in accordance with the definitions contained in Webster's New Collegiate Dictionary.

AGRICULTURE: The growing, harvesting and storing of crops including legumes, hay, grain, fruit and truck or vegetable crops, floriculture, horticulture, mushroom growing, orchards, forestry, and the keeping, raising, and feeding of livestock or poultry, including dairying, poultry, swine, sheep, beef cattle, pony and horse production, fur farms, and fish and wildlife farms; farm

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BUILDINGS used for growing, harvesting, and preparing crop products for market, or for use on the farm; roadside stands, farm BUILDINGS for storing and protecting farm machinery and equipment from the elements, for housing livestock or poultry and for preparing livestock or poultry products for market; farm DWELLINGS occupied by farm OWNERS, operators, tenants or seasonal or year-round hired farm workers. It is intended by this definition to include within the definition of AGRICULTURE all types of agricultural operations, but to exclude therefrom industrial operations such as a grain elevator, canning, or slaughterhouse, wherein agricultural products produced primarily by others are stored or processed. Agricultural purposes include, without limitation, the growing, developing, processing, conditioning, or selling of hybrid seed corn, seed beans, seed oats, or other farm seeds.

APPLICANT: The legal entity who submits an application to the County for a LDEC PERMIT pursuant to this ordinance.

BEST MANAGEMENT PRACTICES (BMPs): A technique or series of techniques which are proven to be effective in controlling STORM WATER, EROSION, and SEDIMENTATION.

BORROW: The earth material acquired from an off-site location for use in GRADING on a site.

CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL: An individual with CPESC Certification.

CHANNEL: A natural or artificial water course of perceptible extent which periodically or continuously contains moving water, or which forms a connecting line between two (2) bodies of water. It has a definite bed and banks which serve to confine water.

CLEARING AND GRUBBING: The cutting and removal of trees, shrubs, bushes, windfalls and other vegetation including removal of stumps, roots, and other remains in the designated areas.

COMMON PLAN OF DEVELOPMENT OR SALE OF RECORD: All or part of a parcel of land that existed on {effective date} where multiple separate and distinct CONSTRUCTION activities may be taking place at different times on different schedules, and possibly (not necessarily) under different ownership. Examples include: 1) phased projects and projects with multiple filings or lots, even if the separate phases or filings/lots will be constructed under separate contract or by separate OWNERS (e.g., a DEVELOPMENT where lots are sold to separate builders); 2) a DEVELOPMENT plan that may be phased over multiple years but is still under a consistent plan for long-term DEVELOPMENT; and 3) projects in a contiguous area that may be unrelated but still under the same contract, such as CONSTRUCTION of a building extension and a new parking lot at the same facility and any DEVELOPMENT or CONSTRUCTION under a Rural Residential Overlay District; 4) a Plat of Subdivision of two or more lots; 5) A Plat of Survey of two or more lots; 6) A diagram of two or more lots presented in a real estate marketing brochure or advertisement. A long range DEVELOPMENT plan that is conceptual (rather than a specific plan of future DEVELOPMENT and the future construction activities would happen over an extended time period) will be considered as having separate DEVELOPMENT plans, provided that the periods of construction for the physically interconnected phases will not overlap. The disturbed area of the entire plan shall be used in determining LDEC PERMIT requirements. DEVELOPMENT on by-right lots created from any single parcel that existed on 1/1/2009 in the AG-1, AG-2 and CR Districts is not included under this definition unless the lots are created by a Plat of Subdivision or Plat of Survey or marketed by means of a brochure or advertisement.

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CONSTRUCTION: The excavation of earth to provide for a foundation, basement or cellar; and/or, the addition to or removal from a LOT or tract of land of earth or water so as to prepare said LOT or tract of land for the CONSTRUCTION of a STRUCTURE; and/or, the act of placing or affixing a component of a STRUCTURE upon the ground or upon another such component; and/or, the placing of CONSTRUCTION materials in a permanent position and fastening in a permanent manner; and /or, the DEMOLITION, elimination, and./ or removal of an existing STRUCTURE in connection with such CONSTRUCTION and/or the CONSTRUCTION or placement of STORM WATER MANAGEMENT facilities or EROSION control BMPs.

CONTIGUOUS URBAN GROWTH AREA (CUGA): Areas outside of municipal limits and within municipal one and one-half mile extraterritorial jurisdiction destined for urban type land uses.

CONTRACTOR: The person who contracts with the PERMITTEE, OWNER, DEVELOPER, or another CONTRACTOR (subcontractor) to undertake any or all the land disturbing activities covered by this Ordinance.

CONTRACTOR'S CERTIFICATION STATEMENT: A document required by the IEPA as part of the ILR10 construction site activity permit.

CONTROL STRUCTURE: A facility constructed to regulate the volume and rate of storm water that is released during a specific length of time.

CULVERT: A closed conduit for the passage of surface drainage water under a roadway, railroad or other surface impediment.

DEMOLITION: Any act or process of wrecking or destroying a building or STRUCTURE.

DETENTION BASIN: A temporary or permanent natural or manmade STRUCTURE that provides for the temporary storage of STORM WATER.

DETENTION STORAGE: Temporary detention or storage of storm water in storage basins, on rooftops, in parking lots, school yards, parks, open space, lakes, ponds, or other areas under predetermined and controlled conditions, with the rate of drainage therefrom regulated by appropriately installed devices.

DEVELOPER: Any person, firm, corporation, sole proprietorship, partnership or political subdivision engaged in a LAND DISTURBANCE activity.

DEVELOPMENT: Any man-made change to improved or unimproved real estate including but not limited to, construction of or substantial improvements to buildings or other structures, the placement of mobile homes, paving, mining, filling or other similar activities.

DISCHARGE: The rate of outflow of water from a storm water drainage or storm water detention facility.

DRY BOTTOM STORM WATER DETENTION BASIN: A facility that is designed to be normally dry and which accumulates storm water runoff only during periods when the restricted storm water runoff release rate is less than the storm water inflow rate.

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EROSION: The wearing away of the ground surface as a result of the movement of wind, water, ice, and/or LAND DISTURBANCE activities.

EROSION AND SEDIMENT CONTROL PLAN (ESCP): A plan which includes a set of BMPs or equivalent measures designed to control STORM WATER and EROSION and to retain SEDIMENT on a particular SITE during the period in which pre-CONSTRUCTION and CONSTRUCTION-related land disturbances, fills, and soil storage occur, and before final improvements are completed, all in accordance with the specific requirements established in section entitled Land Disturbance Erosion Control (Section 11) in this Ordinance.

EROSION CONTROL: Any measures taken to temporarily or permanently prevent or manage EROSION in a way that minimizes undesirable impacts.

EROSION CONTROL INSPECTOR: The ZONING ADMINISTRATOR or representative who has the authority to inspect SITES for compliance with the standards set forth in this Ordinance.

EROSION CONTROL INSPECTION REPORT (ECIR): The compliance report as defined by the Illinois Environmental Protection Agency in the General NPDES permit ILR10.

EXCAVATION: The mechanical removal of earth material.

FILL: A deposit of SOIL or other earth materials placed by artificial means.

FINAL EROSION AND SEDIMENT CONTROL PLAN (FINAL ESCP): A plan which includes permanent measures and BEST MANAGEMENT PRACTICES to control STORM WATER and control SEDIMENT if such permanent measures are not included in the ESCP.

FINAL STABILIZATION: All soil disturbing activities at the site have been completed and either of the two following conditions are met: 1) A uniform (e.g., evenly distributed, without large bare areas) perennial vegetative cover with a density of 70 percent of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or 2) Equivalent permanent stabilization measures (such as the use of riprap, gabions, or geotextiles) have been employed. For individual LOTS in residential CONSTRUCTION, FINAL STABILIZATION means that either 1) The homebuilder has completed FINAL STABILIZATION as specified above, or 2) The homebuilder has established temporary stabilization including perimeter controls for an individual lot prior to occupation of the home by the homeowner and informing the homeowner of the need for, and benefits of, FINAL STABILIZATION.

FLOODPLAIN: The area adjoining a WATERCOURSE which could be inundated by a flood that has a one (1) percent chance of being equaled or exceeded in any given year and is delineated on Federal Emergency Management Agency Flood Insurance Rate Maps (FIRM).

GRADE: The vertical elevation of the ground surface.

- (a) Existing grade is the grade prior to GRADING.
- (b) Rough grade is the stage at which the grade approximately conforms to the approved plan.
- (c) Finish grade is the final grade of the SITE which conforms to the approved process.

GRADING: EXCAVATION or FILL or any combination thereof.

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ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (IEPA): The Illinois Environmental Protection Agency.

ILLINOIS URBAN MANUAL: This term shall mean “A Technical Manual designed for Urban Ecosystem Protection and Enhancement”, prepared by the United States Department of Agriculture (USDA) Natural Resources Conservation Service.

ILR10: The Illinois Environmental Protection Agency's general National Pollutant Discharge Elimination System (NPDES) Construction Storm Water Permit covering anyone conducting a land disturbing activity which disturbs one (1) or more acres of total land area or a construction SITE less than one acre of total land that is a part of a COMMON PLAN OF DEVELOPMENT OR SALE OF RECORD if the larger common plan will ultimately disturb one or more acres total land area.

IMPERVIOUS: A term applied to materials through which water cannot pass, or through which water passes with great difficulty or at a very slow rate.

INCIDENCE OF NON-COMPLIANCE (ION): A report to the IEPA providing information about the cause of the non-compliance and description of the measures taken to prevent further non-compliances with the ILR10 permit.

LAND DISTURBANCE: Any land change that may result in SOIL EROSION from wind, water and/or ice and the movement of SEDIMENT unto or upon waters, lands, or rights-of-way within the County, including but not limited to DEMOLITION, CLEARING AND GRUBBING, GRADING , excavating, transporting and filling of land. LAND DISTURBANCE is not limited to a single instance of LAND DISTURBANCE, but is the total LAND DISTURBANCE that has occurred or may reasonably be expected to occur to any part of a given tract of land. LAND DISTURBANCE does not include the following:

- (a) AGRICULTURE.
- (b) Land disturbance activities including, but not limited to, underground utility repairs, home gardens, minor repairs.
- (c) Installation of fence, sign, telephone, and electric poles and other kinds of posts or poles.
- (d) Emergency work to protect life, limb, or property and emergency repairs. If the emergency land disturbing activity would have required and approved ESCP, then the land area disturbed shall be shaped and stabilized in accordance with the requirements of this Ordinance.

LAND DISTURBANCE EROSION CONTROL PERMIT (LDEC PERMIT): Includes both LAND DISTURBANCE EROSION CONTROL PERMIT – MAJOR and LAND DISTURBANCE EROSION CONTROL PERMIT – MINOR as defined in this Ordinance and issued by the County Zoning Administrator pursuant to this Ordinance.

LAND DISTURBANCE EROSION CONTROL PERMIT – MAJOR: A class of the LDEC PERMIT required where 1 acre or more of land will be disturbed.

LAND DISTURBANCE EROSION CONTROL PERMIT – MINOR: A class of LDEC PERMIT required where less than one acre of land that is part of a COMMON PLAN OF DEVELOPMENT OR SALE OF RECORD will be disturbed.

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LETTER OF NOTIFICATION: A letter from the IEPA stating that the PERMITTEE has the authority to construct.

LETTER OF TERMINATION: A document required by Champaign County as part of the Land Disturbance Erosion Control and Storm Water Management Ordinance. This document notifies the ZONING ADMINISTRATOR of the request to end coverage for CONSTRUCTION under the terms of the ILR10 permit when no STORM WATER DRAINAGE PLAN is required. This is submitted to the Zoning Administrator.

LOT: A designated parcel, tract or area of land established by plat, SUBDIVISION or as otherwise permitted by law, to be used, developed or built upon as a unit.

MS4 JURISDICTIONAL AREA: The limits of the Urbanized Area as defined by the Bureau of the Census.

NON-STRUCTURAL CONTROLS: Institutional and pollution prevention type practices through education and source control, recycling, and maintenance that prevent pollutants from entering STORM WATER or reduce the amount of RUNOFF requiring management.

NOTICE OF INTENT (NOD): A document required by the IEPA as part of the ILR10 construction SITE activity permit. This document is the application for an ILR10 construction SITE activity permit from the IEPA.

NOTICE OF TERMINATION (NOT): A document required by the IEPA as part of the ILR10 construction SITE activity permit. This document requests the end of coverage for CONSTRUCTION under the terms of the ILR10 permit.

OWNER: Any person with a legal or equitable interest in the land for which a LDEC PERMIT has been issued.

PERMITTEE: The APPLICANT in whose name a valid LDEC PERMIT is duly issued pursuant to this Ordinance and his/her agents, employees, and others, acting under his/her direction.

PROFESSIONAL ENGINEER: A person licensed under the laws of the State of Illinois to practice professional engineering.

PROJECT TERMINATION: Specific activities required to occur to release the requirements of the Land Disturbance Erosion Control Permit or to complete the requirements for a Zoning Compliance Certificate or to complete the construction of improvements pursuant to approval of a Final Plat of Subdivision.

RETURN PERIOD: The average interval of time within which a given rainfall event will be equaled or exceeded once. A flood having a return period of 50 years has a two (2) percent probability of being equaled or exceeded in any one (1) year.

RUNOFF: Volumes and / or velocities associated with precipitation amounts and/or intensities during periodic storm events.

SEDIMENT: Soils or other surficial materials transported by SURFACE WATER as a product of EROSION.

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SEDIMENTATION: The process or action of depositing SEDIMENT that is determined to have been caused by EROSION.

SITE: The entire area of land on which the LAND DISTURBANCE activity is proposed in the LDEC PERMIT application.

SITE PLAN: A plan or set of plans showing the details of any LAND DISTURBANCE activity of a SITE including, but not limited to, the CONSTRUCTION of: STRUCTURES, open and enclosed drainage facilities, STORM WATER MANAGEMENT facilities, parking lots, driveways, curbs, pavements, sidewalks, bike paths, recreational facilities, ground covers, plantings, and landscaping.

SLOPE: The incline of a ground surface expressed as a ratio of horizontal distance to vertical distance.

SOIL: Naturally occurring surface deposits overlying bedrock.

STOP-WORK ORDER: A document issued by the Zoning Administrator that directs work to stop on a CONSTRUCTION SITE if LAND DISTURBANCE activities are in violation of this Ordinance.

STORM SEWER: A closed conduit for conveying collected storm water runoff.

STORM WATER: Rain RUNOFF, snow melt RUNOFF, surface RUNOFF and drainage.

STORM WATER DRAINAGE PLAN: A written document in conformance with the requirements of Section 9 of this ordinance.

STORM WATER DRAINAGE SYSTEM: All means, natural or man-made, used for conducting storm water runoff to, through or from a drainage area to the point of final outlet including but not limited to any of the following: conduits, STORM SEWERS, swales, canals, CHANNELS, ditches, streams, CULVERTS, streets, and pumping stations.

STORM WATER MANAGEMENT: Any measure taken to permanently reduce or minimize the negative impacts of RUNOFF.

STORM WATER POLLUTION PREVENTION PLAN (SWPPP): A document required by the IEPA as part of the ILR10 construction SITE activity permit. This document is a written description of the erosion and sediment control plan for a CONSTRUCTION SITE.

STORM WATER STORAGE AREA: An area designated to accumulate excess storm water runoff.

STRIPPING: Any activity which removes or significantly disturbs the vegetative surface cover including clearing, grubbing of stumps and root mat, and topsoil removal.

STRUCTURAL CONTROLS: Practices to divert flows from exposed SOILS, store flows or otherwise limit RUNOFF and the movement of pollutants from exposed areas of a CONSTRUCTION SITE.

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STRUCTURE: Anything manufactured, constructed or erected which is normally attached to or positioned on land, including buildings, portable or earthen constructs, roads, parking lots, and paved storage areas.

SUBDIVISION: Any division, DEVELOPMENT, or re-subdivision of any part, LOT, area or tract of land by the OWNER or agent, either by LOTS or by metes and bounds into LOTS two or more in number, for the purpose, whether immediate or future, of conveyance, transfer, improvement, or sale with the appurtenant streets, alleys, and easements, dedicated or intended to be dedicated to public use or for the use of the purchasers or OWNERS within the tract subdivided. The division of land for AGRICULTURAL purposes not involving any new street, alley, or other means of access shall not fall under this definition for the purpose of the regulations and standards of this ordinance.

SURFACE WATER: Waters upon the surface of the earth in bounds created naturally or artificially including, but not limited to, streams, other water courses, lakes and reservoirs.

SURVEYOR: A person duly registered or authorized to practice land surveying in the State of Illinois.

TIME OF CONCENTRATION: The time required for storm water runoff from the most remote part of the drainage basin to reach the point being considered. Minimum time of concentration required for design of drainage facilities shall be 15 minutes.

TOPSOIL: The upper layer of SOIL.

TRIBUTARY WATERSHED: The entire catchment area that contributes storm water runoff to a given point.

USE: The specific purpose for which land is designed arranged, intended, or for which it is or may be occupied or maintained. This shall not include any nonconforming use.

WASHOUT FACILITY: A location where CONSTRUCTION waste such as concrete, asphalt or similar material can be temporarily stored until final disposal of the material. WASHOUT FACILITIES shall be designated by the LDEC PERMIT holder before work begins and shall be located in an appropriate area where the waste resulting from the washout cannot enter sewer systems or local waterways. Waste from the WASHOUT FACILITIES shall be disposed of in an approved manner according to state laws.

WATERCOURSE: Any natural or improved stream, river, creek, ditch, CHANNEL, canal, conduit, gutter, CULVERT, drain, gully, swale, or wash in which waters flow either continuously or intermittently.

WATERSHED: A region draining to a specific river, river system, or body of water.

WET BOTTOM STORM WATER STORAGE AREA: A facility that contains a perpetual body of water and which accumulates excess storm water during periods when the restricted storm water runoff release rate is less than the storm water runoff inflow rate.

WETLANDS: A lowland area such as a marsh, that is saturated with moisture, as defined in Section 404, Federal Water Pollution Control Act Amendments of 1987.

ZONING ADMINISTRATOR: The county personnel provided for in the Zoning Ordinance and who has the authority and duty to administer adopted ordinances including the Erosion and Sediment Control Ordinance.

ZONING DISTRICT: As provided for in the Zoning Ordinance, a section of the County/City/Village in which zoning regulations and standards are uniform.

## **4. SCOPE**

### **4.1 Applicability**

The IEPA ILR10 and/or this Ordinance apply to LAND DISTURBANCE, SUBDIVISION and/or CONSTRUCTION as indicated below:

- A. All requirements of the IEPA ILR10 permit apply ~~regardless of this Ordinance~~ as follows:
1. ILR10 requirements apply when LAND DISTURBANCE activities disturb one acre or greater or less than an acre if it is part of a COMMON PLAN OF DEVELOPMENT OR SALE OF RECORD that ultimately disturbs one acre or greater, ILR10 requirements apply to individual LOTS when those LOTS are created as part of a COMMON PLAN OF DEVELOPMENT OR SALE OF RECORD and LAND DISTURBANCE occurs on one acre or more. When a COMMON PLAN OF DEVELOPMENT OR SALE OF RECORD is under FINAL STABILIZATION, subsequent LAND DISTURBANCE of individual lots are required to obtain an ILR10, if the combination of LAND DISTURBANCE on individual lots could result in one acre or more LAND DISTURBANCE at one time. ~~and~~
  2. When a LOT is converted from agricultural use to other land use, the land shall be vegetated with an appropriate protective land cover prior to any application for a Zoning Use Permit or Subdivision Approval or else the land shall be considered to be in a state of land disturbance and subject to ILR10 requirements unless documentation from the Illinois Environmental Protection Agency or the US Environmental Protection Agency indicates otherwise.
  3. The ZONING ADMINISTRATOR shall notify all Applicants when ILR10 requirements appear to be applicable.
  4. Copies of the ILR10 NOTICE OF INTENT and ILR10 NOTICE OF TERMINATION must be submitted to the ZONING ADMINISTRATOR to demonstrate compliance with ILR10 requirements when LAND DISTURBANCE activities disturb one acre or greater, or less than an acre if it is part of a COMMON

PLAN OF DEVELOPMENT OR SALE OF RECORD that ultimately disturbs one acre or greater, pursuant to the following:

- a. Any Major LDEC Permit as authorized under Section 12.3.
- b. Any Floodplain Development Permit as authorized by the Champaign County Special Flood Hazard Area Ordinance.
- ~~c. Any other LAND DISTURBANCE not exempted by Section 4.2 or Section 4.4.~~

**(Note: Paragraph 4.1 A.4.c.above is optional and was not recommended for approval by the ZBA )**

- B. Within the Champaign County MS4 JURISDICTIONAL AREA (see Appendix C), all Sections of this Ordinance may apply subject to relevant exemptions.
- C. Outside of the Champaign County MS4 JURISDICTIONAL AREA (see Appendix C), all Sections of this Ordinance may apply subject to relevant exemptions, except those sections relevant only to Land Disturbance Erosion Control Permits (Section 12, 13, 14, and 15).

## **4.2 General Exemptions**

The following activities are exempt from this Ordinance.

- A. AGRICULTURE
- B. Emergencies posing an immediate danger to life or property, or substantial flood or fire hazards.
- C. Digging activities related to cemetery grave sites.
- D. LAND DISTURBANCE on LOTS subject to municipal annexation agreements.
- E. LAND DISTURBANCE pursuant to a statewide or regional permit administered by the Illinois Department of Natural Resources Office of Water Resources (IDNR/OWR) and provided that information sufficient to document compliance with the relevant statewide or regional permit is submitted to the ZONING ADMINISTRATOR at least one week prior to the start of LAND DISTURBANCE. This exemption is only applicable to that portion of CONSTRUCTION or LAND DISTURBANCE that is eligible for the statewide or regional permit.
- F. LAND DISTURBANCE activities by or for a recognized Drainage District.
- G. Any LAND DISTURBANCE occurring either in a public street right-of-way or a railroad right-of-way, that is done by or for either the unit of government that has maintenance authority of that street right-of-way or for any utility that is authorized to use any portion of the public street right-of-way or the railroad that has the use of that railroad right-of-way.

## **4.3 Storm Water Drainage Plan Exemptions**

All SUBDIVISIONS or CONSTRUCTION meeting any of the following conditions are exempt from the STORM WATER DRAINAGE PLAN (Section 9) requirements:

- A. All General Exemptions (Section 4.2).
- B. CONSTRUCTION of additions to existing STRUCTURES when the total increase in IMPERVIOUS area is less than 10,000 square feet.

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- C. CONSTRUCTION located on a lot no more than one acre in area that existed on December 17, 1991.
- D. Individual single family and two-family detached dwellings and related accessory STRUCTURES on a single lot.
- E. SUBDIVISIONS or CONSTRUCTION on lots when the cumulative total of all IMPERVIOUS areas from all developed lots created from a lot or lots in common ownership on January 1, 1998, including any specific IMPERVIOUS area addition to the adjacent public streets that is required to accommodate the SUBDIVISION or CONSTRUCTION, is less than the criteria shown in Table 1 - Maximum Exempt Impervious Area:

Table 1 - Maximum Exempt Impervious Area

| Lot area*   | Maximum exempt impervious area*  |
|---|--|
| a. No more than .25 acre                            | Up to 100% of the lot may be impervious area   |
| b. More than .25 acre but less than 2.0 acres       | The limit on percent impervious area declines from 100% to 50% of the total lot or lots area plus 0.14 acres. See the graph of Exempt Impervious Area (Appendix B) or use the Mathematical Expressions on the graph to determine the limit for impervious area on a specific lot size.                 |
| c. More than 2.0 acres but not more than 6.25 acres | No more than 1 acre of the lot or lots shall be impervious surface area  |
| d. More than 6.25 acres                             | No more than 16% of the total area of the lot or lots shall be impervious area provided that no exemption shall apply to any part of a lot when that part contains more than one acre of impervious surface area within a rectangular area of 90,000 square feet with a minimum dimension of 150 feet. |

\* "Lot area" refers to a single lot and to the cumulative total area of lot or lots that are created out of a larger tract. See paragraph ~~8.2~~ 4.3F for other rules of application for exemptions.

- F. The following rules govern the application of the Storm Water Drainage Plan Exemptions (Section 4.3), but shall not affect how the IMPERVIOUS area is calculated or determined for engineering design purposes.
  - 1. Measurement of the total area and IMPERVIOUS area of a LOT or SUBDIVISION is based on the entire area designated by the legal description of the tract for which the approval is requested, together with that of other contiguous LOTS, when required pursuant to Section 4.3~~G~~F, except for the area of adjacent public street right-of-ways as required by Section 4.3~~G~~F.2.c.
  - 2. Measurement of the total area and IMPERVIOUS area shall exclude the following:
    - a. Portions of the LOT or LOTS that are devoted to cropland and that will remain devoted to cropland; and
    - b. Portions of public street right-of-ways adjacent to any such areas of cropland.
    - c. Portions of public street right-of-ways not containing any specific IMPERVIOUS area addition to the adjacent public streets that is required to accommodate the SUBDIVISION or construction. When specific additions of public street IMPERVIOUS area are required to accommodate a specific

- SUBDIVISION or construction, the specific addition of public street IMPERVIOUS area shall not be excluded.
3. Areas that are comprised of a permanent vegetative cover that is generally at least equivalent to “Poor condition (grass cover less than 50 percent)” using the TR-55 Design Method shall not be considered IMPERVIOUS.
  4. IMPERVIOUS area limits and exemptions shall be applied separately for different portions of the lot or SUBDIVISION in the following instances:
    - a. For each portion of the lot or SUBDIVISION that drains to a common point on the boundary of the total SITE (drainage sub-basin).
    - b. For each portion of the lot or SUBDIVISION that drains to a drainage way that serves upstream areas that are under different ownership and that divides that portion of the lot or SUBDIVISIONS from the remainder of the lot or SUBDIVISIONS.
  5. Pursuant to Section 4.3~~FE~~, LOTS shall be considered as developed when the LOT or LOTS are:
    - a. Occupied by other than farm structures; or
    - b. Covered in whole or in part by any IMPERVIOUS area except for driveways or parking areas used for agricultural purposes and existing public streets; or
    - c. Included in a plat or legal description and marketed for sale.

#### **4.4 LDEC Permit Exemptions**

All LAND DISTURBANCE activities located completely or partially within the MS4 Jurisdictional Area and meeting any of the following conditions are exempt from the LAND DISTURBANCE EROSION CONTROL PERMIT requirements (Section 12, 13, 14 and 15) in this Ordinance:

- A. All General Exemptions (Section 4.2)
- B. LAND DISTURBANCE of less than one acre but greater than 10,000 square feet of land on all or part of a parcel of land that existed on {effective date} provided that the land is not part of any of the following:
  1. A COMMON PLAN OF DEVELOPMENT OR SALE OF RECORD where 1 acre or greater area of LAND DISTURBANCE could occur; or
  2. In a Residential, Business, or Industrial ZONING DISTRICT as established in the Zoning Ordinance and indicated on the Zoning Map; or
  3. In an existing subdivision of more than four LOTS including any subsequent replat in the AG-1, AG-2, or CR ZONING DISTRICT as defined in the Zoning Ordinance.
- C. LAND DISTURBANCE less than 10,000 square feet in area.

### **5. AUTHORIZATIONS AND PROJECT TERMINATION**

#### **5.1 Approval Authorities**

For the purposes of this Ordinance the Approval Authorities are as follows:

- A. For all SUBDIVISIONS, the Environment and Land Use Committee of the Champaign County Board.
- B. For Zoning Use Permits, Easements, as-built drawings, STORM WATER DRAINAGE PLANS and LDEC PERMITS the Champaign County Zoning Administrator.

#### **5.2 Authorizations**

Authorization for any LAND DISTURBANCE activity shall include the following acts in order:

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- A. Approval of the STORM WATER DRAINAGE PLAN ~~as~~ if required by STORM WATER DRAINAGE PLAN (Section 9) in this Ordinance; and
- B. The APPLICANT or other necessary party files with the Champaign County Recorder of Deeds any required easement or other legal instrument that is needed to implement or maintain the STORM WATER DRAINAGE PLAN, except for a Final Plat of SUBDIVISION, Owner's Certificate, or private SUBDIVISION covenants, and except as provided for in Easements (Section 7); and
- C. Approval of Engineering Drawings required for any Plat of Subdivision, if applicable including the extent and nature of all proposed LAND DISTURBANCE; and
- D. For LAND DISTURBANCES in the MS4 JURISDICTIONAL AREA, approval of a LDEC PERMIT if required by LDEC Permits (Section 12) and written approval of the inspection required in Required Inspections (Section 13.5); or
- E. For LAND DISTURBANCES outside of the MS4 JURISDICTIONAL AREA that total an acre or more of LAND DISTURBANCE or less than an acre when part of a larger COMMON PLAN OF DEVELOPMENT OR SALE OF RECORD that will result in an acre or more of LAND DISTURBANCE, a copy of any required NOTICE OF INTENT pursuant to Section 4.1A. of this Ordinance or a copy of a statement from IEPA that there is no ILR10 requirement; and
- F. Approval of a Zoning Use Permit, if required by the Zoning Ordinance, including the extent and nature of all proposed LAND DISTURBANCE.

### **5.3 Project Termination**

PROJECT TERMINATION shall include the following acts:

- A. Any required as-built drawings or other documentation has been accepted by the Approval Authority as evidence that the requirements in Certifications (Section 9.6) have been met; and
- B. The APPLICANT or other necessary party files any required easement or other legal instrument with the Champaign County Recorder of Deeds, needed to implement the requirements in Easements (Section 7), except for a Final Plat of Subdivision, Owner's Certificate, or private subdivision covenants; and
- C. The following acts related to CONSTRUCTION related to any Final Plat of Subdivision, if applicable:
  - 1. Approval of a Final Plat of SUBDIVISION after the CONSTRUCTION of all required physical improvements required by the SUBDIVISION Regulations, and
  - 2. Full and complete release of any Performance Guarantee related to any Final Plat of SUBDIVISION; and
- D. Acceptance by the ZONING ADMINISTRATOR of the certifications required in Certifications (Section 9.6) if applicable; and
- E. Full approval and unconditional issuance of a Zoning Compliance Certificate, if required by the Zoning Ordinance; and
- F. For projects within the MS4 JURISDICTIONAL AREA, if a LDEC PERMIT is required by LDEC Permits (Section 12), a NOTICE OF TERMINATION shall be submitted to the IEPA and/ or the ZONING ADMINISTRATOR, whichever is applicable; or
- G. For projects outside of the MS4 JURISDICTIONAL AREA, a copy of any required Notice of Termination if required in ILR10 pursuant to paragraph 4.1A.4. of this Ordinance.

## **6. PROTECT EXISTING DRAINAGE AND WATER RESOURCES**

### **6.1 General Requirement**

- A. No FILL shall be placed nor GRADE altered in such a manner that it will cause SURFACE WATER upstream of the DEVELOPMENT to pond or direct surface flows in such a way as to create a nuisance.
- B. All STORM WATER shall exit the DEVELOPMENT at non-erosive velocities. All subsurface flows shall exit the DEVELOPMENT at such a velocity so as to prevent an increase in scouring or structural damage to off-site tile drains.
- C. Sizing of CULVERT crossings shall consider entrance and exit losses as well as tail water conditions on the CULVERT.
- D. No sump pump discharge or discharge from any private wastewater treatment system from a principal use established after {effective date} shall discharge directly into or within ~~40~~ 25 feet of a roadside ditch, off-site drainage swale, stream, property line, or in such a way that it creates a nuisance condition at any time of the year or contributes to erosion.
- E. No sump pump discharge or STORM WATER shall be directed to any sanitary sewer.
- F. The requirements in Land Disturbance Erosion Control (Section 11) in this Ordinance notwithstanding, CONSTRUCTION or LAND DISTURBANCE shall minimize EROSION on any property and minimize SEDIMENT deposited on any adjacent property or any adjacent street or adjacent drainage ditch, roadside ditch, or stream. (Note: Paragraph 6.1 F. above is optional and was included by the ZBA in the recommendation for approval.)

### **6.2 Natural Drainage**

- A. Existing perennial streams shall not be modified to accommodate RUNOFF. Stream banks may be modified, however, incident to the installation of excess RUNOFF outfalls, necessary to ensure safety or bank stabilization, and/or for the improvement of aquatic habitats, and subject to any required local, state, and federal permits.
- B. Other natural drainage features such as depressional storage areas and swales shall be incorporated into the STORM WATER DRAINAGE SYSTEM.
- C. Surface water shall be allowed to travel its existing or natural course unless changes are allowed by means of a duly approved STORM WATER DRAINAGE PLAN.
- D. It shall be unlawful for any person to cause or maintain any obstruction within a WATERCOURSE or any part of the drainage system, except as may be specifically authorized by a duly approved STORM WATER DRAINAGE PLAN.

### **6.3 Agricultural and Other Drainage Improvements**

- A. The outlet for existing agricultural drainage tile will be located and the capacity of the outlet shall be maintained for the WATERSHED upstream of the DEVELOPMENT area.
- B. Existing easements for any agricultural drainage tile located underneath areas that will be developed shall be preserved. If no easement exists an easement shall be granted for access and maintenance as provided in Easements (Section 7). Such easements shall be of sufficient width and located to provide for continued functioning and necessary maintenance of drainage facilities. No buildings or permanent STRUCTURES including paved areas but excluding streets, sidewalks, or driveways, which cross the easement by the shortest possible route may be located within the easement without the consent and approval of any public body to which the easement is granted.

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- C. All agricultural drainage tile located underneath areas that will be developed shall be replaced with non-perforated conduit to prevent root blockage provided however that drainage district tile may remain with the approval of the drainage district.
- D. Agricultural drainage tile which, due to DEVELOPMENT, will be located underneath roadways, drives, or parking areas as allowed by Paragraph C above shall be replaced with ductile iron, or reinforced concrete pipe or equivalent material approved by the Approval Authority as needed to prevent the collapse of the agricultural drainage conduit.
- E. Agricultural drainage tile may be relocated within DEVELOPMENT areas upon approval of the Approval Authority. Such relocation shall maintain sufficient SLOPE and capacity to prevent SEDIMENTATION and to prevent an increase in scouring or structural damage to the conduit. Such relocation shall only be with the consent and approval of the drainage district which is responsible for maintaining the tile. If the tile is not under the authority of a drainage district, the Approval Authority shall consider the interests of those landowners who are served by the tile.
- F. No STORM SEWER inlet, outlet, or DETENTION BASIN outlet shall be connected to farm drainage tile unless flow is restricted to an amount equal to or less than the discharge capacity of the tile. Such connection shall only be made with the consent and approval of the drainage district responsible for maintaining the tile. If the tile is not under the authority of a drainage district the Approval Authority shall consider the interests of those landowners who are served by the tile.
- G. It shall be unlawful for any person to cause the destruction or obstruction, by act or omission, of the operation of the following, when the following are indicated on the approved engineering drawings for any recorded subdivision plat or other approved site plan, other than by means of a duly approved STORM WATER DRAINAGE PLAN:
  - 1. any STORM WATER DRAINAGE SYSTEM or feature that drains an area of more than five acres; or
  - 2. any STORM WATER STORAGE AREA.

#### **6.4 Minimum Erosion Control and Water Quality Standards**

- A. All CONSTRUCTION or LAND DISTURBANCE shall be provided with EROSION and SEDIMENT controls as necessary to minimize EROSION and SEDIMENTATION on any adjacent property, street, drainage ditch, roadside ditch, or stream. However, the lack of EROSION and SEDIMENT controls shall not itself be a violation of this Ordinance unless such controls are required pursuant to either the requirements of Section 6.4 D, or a LAND DISTURBANCE EROSION CONTROL PERMIT, or a STORM WATER DRAINAGE PLAN, or as such controls may be required by the ZONING ADMINISTRATOR pursuant to an enforcement action based on a valid complaint.  
*(Note: Paragraph 6.4 A. above is optional and was included by the ZBA in the recommendation for approval.)*
- B. No EROSION AND SEDIMENT CONTROL PLAN shall be required for any CONSTRUCTION or LAND DISTURBANCE unless required pursuant to either a LAND DISTURBANCE EROSION CONTROL PERMIT or a STORM WATER DRAINAGE PLAN or as such controls may be required by the ZONING ADMINISTRATOR pursuant to an enforcement action.  
*(Note: Paragraph 6.4 B. above is optional and was included by the ZBA in the recommendation for approval.)*

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- C. All waste and debris generated as a result of CONSTRUCTION activities including discarded building materials or packaging materials, concrete truck washout, chemicals, litter, sanitary waste, or any other waste, shall be placed in an appropriate waste container in a timely manner, and shall be properly disposed of and shall be prevented from being carried off the SITE by either wind or water.

*(Note: Paragraph 6.4 C. above is optional and was included by the ZBA in the recommendation for approval.)*

- D. The following practices shall be applied to LAND DISTURBANCE activities to minimize impacts from stockpiles of soil and other erodible building material (such as sand) containing more than ~~400~~ 150 cubic yards of material:
1. Stockpiles of soil and other erodible building material (such as sand) shall be located as follows:
    - a. Stockpiles shall be provided a minimum separation as follows:
      - (a) located not less than ~~30~~ 50 feet from the top of the bank of a drainage ditch or stream; and
      - (b) not less than 30 feet from the centerline of a drainage swale that is indicated as an intermittent stream on a United States Geological Survey 7.5 Minute Quadrangle Map; and
      - (c) not less than 30 feet from the top of the bank of a roadside ditch; or and
      - (d) not within a drainage ditch easement; and
      - (e) not less than 30 feet from the nearest property line except for stockpiles on lots less than 150 feet in width and less than 30,000 square feet in area in which case the minimum separation to the nearest property under other ownership is 10 feet provided that erosion and sedimentation controls are installed and maintained as required in Section 11; and
    - b. Any additional separation distance required for stabilization and maintenance of the stockpile outside of the minimum separation required above.

*(Note: Paragraph 6.4D. above is optional and was included by the ZBA in the recommendation for approval.)*

- E. No CONSTRUCTION or LAND DISTURBANCE pursuant to CONSTRUCTION shall occur within 50 feet of the top of the bank of a drainage ditch or stream or within 30 feet of the centerline of a drainage swale that is indicated as an intermittent stream (or other drainage feature indicated as an intermittent stream) on a United States Geological Survey 7.5 Minute Quadrangle Map except for the following:
1. Repair and replacement of any lawful CONSTRUCTION that existed on {effective date}.
  2. Establishment of a filter strip or other landscape maintenance practice or standard that is consistent with Land Disturbance Erosion Controls (Section 11) in this Ordinance and provided that the establishment of the filter strip is coordinated with the Champaign County Soil and Water District Resource Conservationist or an Illinois Licensed Professional Engineer. No permit shall be required pursuant to either this Ordinance or the Zoning Ordinance provided that no other CONSTRUCTION is undertaken and provided that no LAND DISTURBANCE EROSION CONTROL PERMIT is otherwise required.
  3. CONSTRUCTION or LAND DISTURBANCE pursuant to a statewide or regional permit administered by the Illinois Department of Natural Resources Office of Water Resources (IDNR/OWR) and provided that information sufficient to document

compliance with the relevant statewide or regional permit is submitted to the ZONING ADMINISTRATOR at least one week prior to the start of LAND DISTURBANCE.

*(Note: Paragraph 6.4E. above is optional and was included by the ZBA in the recommendation for approval.)*

- F. Adjacent streets, sidewalks and public areas shall be kept free of SEDIMENT and nuisance soil. Any soil or SEDIMENT tracked onto a street, sidewalk or public area shall be removed before the end of each workday or sooner if directed by the relevant Authority.

*(Note: Paragraph 6.4F. above is optional and was included by the ZBA in the recommendation for approval.)*

## **6.5 General Enforcement**

In the event that any CONSTRUCTION or LAND DISTURBANCE that is not subject to the requirement for a LAND DISTURBANCE EROSION CONTROL PERMIT causes EROSION or SEDIMENTATION on any adjacent property or any adjacent street or adjacent drainage ditch, roadside ditch, or stream, the ZONING ADMINISTRATOR shall take such enforcement actions pursuant to a valid complaint as are necessary and authorized by Section 9.1.1 and Section 10 of the Zoning Ordinance and consistent with Land Disturbance Erosions Controls (Section 11) in this Ordinance to prevent continued EROSION or SEDIMENTATION.

*(Note: Section 6.5 above is optional and was included by the ZBA in the recommendation for approval.)*

## **7. EASEMENTS**

- A. Easements to the County, township, drainage district or other public authority to provide for maintenance of public drainage facilities which serve the SITE and which are or are to be dedicated to, owned by, or under the control of such public authority shall be granted when the need for such facility is in whole or in part specifically and uniquely attributable to the proposed development.
- B. All known agricultural drainage tile located underneath areas to be developed shall be granted an easement if no written easement exists prior to development.
- C. Such easement shall be approved in writing by the public body to which they are granted and recorded in the Champaign County Recorder's Office before the Approval Authority issues any final approval except in the case of SUBDIVISIONS where such easements are shown on the plat.

## **8. STORM WATER DRAINAGE SYSTEM**

### **8.1 Minor**

The minor drainage component of the STORM WATER DRAINAGE SYSTEM shall consist of STORM SEWERS, street gutters, small open CHANNELS, and swales designed to store and convey RUNOFF from the 5-year, 24-hour precipitation event utilizing the Illinois State Water Survey Bulletin 70.

## **8.2 Major**

The major drainage components shall be designed to store and convey STORM WATER beyond the capacity of the minor drainage component. Information depicting STORM WATER paths (including cross-sectional data), velocities, rates, and elevations and maps of flooding shall be included in the submittal as identified in Submittals (Section 9.5).

## **8.3 Hierarchy of Best Management Practices**

The STORM WATER DRAINAGE SYSTEM shall be based on the use of appropriate BEST MANAGEMENT PRACTICES as presented in the Technical Appendices and the following hierarchy of preference with items near the beginning of the hierarchy preferred over items near the end.

- A. Preserve the natural resource features of the DEVELOPMENT SITE (e.g. BEST PRIME FARMLAND, floodplains, wetlands, existing native vegetation) as much as practicable.
- B. Preserve the existing natural streams, CHANNELS and drainage ways as much as practicable.
- C. Minimize IMPERVIOUS surfaces created at the SITE (e.g. using minimum acceptable road width, minimizing driveway length and width, and clustering homes).
- D. Preserve the natural infiltration and storage characteristics of the SITE (e.g. disconnection of IMPERVIOUS cover and on-lot bioretention facilities) as much as practicable.
- E. Use of open vegetated CHANNELS, filter strips, and infiltration to convey, filter, and infiltrate STORM WATER as much as practicable.
- F. Use native vegetation as an alternative to turf grass as much as practicable.
- G. Use structural measures that provide STORM WATER quality and quantity control.
- H. Use structural measures that provide only STORM WATER quantity control and conveyance.

## **9. STORM WATER DRAINAGE PLAN**

### **9.1 General Design**

- A. Design Methods
  - 1. Calculation of Drainage Capacity - The Rational Method may be used to size the minor components for any DEVELOPMENT.
  - 2. Calculation of Required Storage - The volume of required STORM WATER STORAGE AREA shall be calculated on the basis of the maximum value achieved from the RUNOFF of a design event less the volume of water released through the outlet structure.
    - a. DEVELOPMENT WATERSHED Area Less Than or Equal to 10 Acres -The Modified Rational Method shall be acceptable for DEVELOPMENT WATERSHEDS equal to or less than 10 acres in area. In determining the volume of storage required when using the Modified Rational Method, the release rate of the outlet structure shall be assumed to be constant and equal to the release rate through the outlet structure when one half of the storage volume is filled. In determining the maximum allowable release rate for the 50-year event, a runoff coefficient value of 0.25 shall be used for assumed land cover conditions. Roughness coefficients most closely matching those of the TR-55 Method shall be used to determine TIME OF CONCENTRATION.

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- b. DEVELOPMENT WATERSHED Area Less Than or Equal to 2,000 Acres - The method utilized for calculation of required volume of storage shall be the Natural Resources Conservation Service TR-55 Methodology for DEVELOPMENT WATERSHEDS less than or equal to 2,000 acres in area. In determining the maximum allowable release rate for the 50-year event, a curve number shall be used corresponding to the actual SOIL types found on the DEVELOPMENT SITE provided, however, that the land cover "Row crops, SR + CR" in "good" hydrologic condition are assumed. A roughness coefficient of 0.17 and a ponding adjustment factor of 0.72 shall also be assumed in calculating the maximum allowable release rate.
  - c. DEVELOPMENT WATERSHED Area Greater Than 2,000 Acres - DEVELOPMENTS and drainage designs for DEVELOPMENT WATERSHEDS larger than 2,000 acres shall use the Natural Resources Conservation Service TR-20 Methodology. Other routing techniques may be used in determining required storage volume upon the approval of the Approval Authority.
  - d. When applying Natural Resources Conservation Service methods, a SCS Type II rainfall distribution shall be assumed.
- B. Design Event
- 1. Precipitation values for all RETURN PERIOD storms shall be determined utilizing the Illinois State Water Survey Bulletin 70.
  - 2. A 50-year RETURN PERIOD storm with a 24-hour duration shall be used.
  - 3. When using the Modified Rational Method, the critical storm duration (that requiring the largest detention volume) for any design event shall be identified and used in determining storage volume.
- C. Release Rates
- 1. Release Rate for Design Event - Outlet structure maximum release rate for the 50-year precipitation event shall be equal to the rate of discharge from the DEVELOPMENT area assuming row crop agricultural land cover and a 5-year RETURN PERIOD precipitation event. See Section 9.1 A for the required assumptions for the row crop agricultural conditions.
  - 2. Effective Discharge for Frequent Storm Events - The outlet structure maximum discharge for each of the 1-year, 2-year and 5-year precipitation events shall be no greater than the rate of discharge from the DEVELOPMENT area, assuming row crop agricultural land cover with the required assumptions described in Section 9.1 A.
  - 3. For all methods of calculating a maximum allowable release rate, the effect of any depressional storage that actually exists on a given SITE shall be included in determination of the TIME OF CONCENTRATION.
- D. Each STORM WATER STORAGE AREA facility shall be provided with a means of overflow. This overflow structure shall be constructed to function without special maintenance attention and can become a part of the excess STORM WATER passageway for the entire DEVELOPMENT.
- E. The entire STORM WATER STORAGE AREA facility shall be designed and constructed to fully protect the public health, safety, and welfare. The minimum building SITE elevation adjacent to wet or dry basins shall be set at a minimum of 1 foot above the maximum created head. The maximum created head will include the energy head at the emergency overflow structure.
- F. STORM WATER STORAGE AREA facilities shall not receive RUNOFF from TRIBUTARY WATERSHEDS outside the DEVELOPMENT SITE unless the

Approval Authority determines that RUNOFF from such areas can be accommodated in the storage area in a manner that will protect immediate downstream properties.

- G. Where portions of the OWNER's land are tributary to the same drain for an outlet, but which are within two or more TRIBUTARY WATERSHEDS to that drain, the OWNER may construct, upon site specific approval by the Approval Authority, compensatory STORM WATER detention facilities within one TRIBUTARY WATERSHED which offset the lack of CONSTRUCTION of STORM WATER detention facilities in another TRIBUTARY WATERSHED. Such compensatory storage shall be designed and constructed such that the net effect of these facilities shall be to limit the rate at which STORM WATER is released into the drain to that rate which would have occurred had STORM WATER detention facilities been constructed for all the TRIBUTARY WATERSHEDS.

## **9.2 Dry Bottom Storm Water Storage Areas**

- A. DRY BOTTOM STORM WATER DETENTION BASINS should be designed where possible to serve a secondary purpose for recreation, open space, or similar types of uses which will not be adversely affected by occasional intermittent flooding and will not interfere with STORM WATER MANAGEMENT.
- B. Minimum grades for turf areas within the basin shall be 2 percent (50 units horizontal to one unit vertical) except that the minimum GRADE shall be 1 percent (100 units horizontal to one unit vertical) if tile underdrains are adequately installed underneath the turf areas. Storage facility side SLOPES shall not exceed 3:1 (three units horizontal to one unit vertical), shall provide for the reasonably safe approach of persons and reasonably safe maintenance practices. Side SLOPES steeper than 3:1 may be allowed upon a determination by the Approval Authority that adequate precautions are taken to avoid unreasonable hazard. Storage basin excavations shall follow the natural land contours as closely as practicable. The geometry of DRY BOTTOM STORM WATER DETENTION BASINS shall be approved by the Approval Authority.
- C. Temporary seeding or other SOIL stabilization measures shall be established in the STORM WATER STORAGE AREA and excess STORM WATER passageway immediately following the CONSTRUCTION or RECONSTRUCTION of these facilities. These measures shall conform to Land Disturbance Erosion Controls (Section 11) in this Ordinance. During the construction of the overall DEVELOPMENT, it is recognized that a limited amount of SEDIMENT buildup may occur in the STORM WATER STORAGE AREA due to EROSION. In no case, shall the volume of the storage basin be reduced to less than 90 percent of the required volume during the CONSTRUCTION phase of the DEVELOPMENT. Basins may be over-excavated to provide additional storage volume for anticipated SEDIMENTATION during CONSTRUCTION activities.
- D. Permanent EROSION control measures such as hydro seeding, conventional seeding, nurse crops, fertilizing, or sod installation and associated stabilization techniques such as mulching shall be utilized to control SOIL movement and EROSION within the storage area and excess STORM WATER passageway as required. These measures shall conform to Land Disturbance Erosion Controls (Section 11) in this Ordinance. The installation of these permanent measures shall take place only after the majority of CONSTRUCTION and other silt and SEDIMENT producing activities have been completed.
- E. Prior to the establishment of permanent EROSION control measures, the required capacity of the STORM WATER STORAGE AREA and the excess STORM WATER passageway shall, if necessary, be restored by EXCAVATION of SEDIMENT materials

- to provide 100 percent of the required storage volume. Upon completion of CONSTRUCTION activities, the storage volume shall be certified in writing by an Illinois Registered Professional Engineer prior to the issuance of any Compliance Certificate required by Section 9.1.3 of the Champaign County Zoning Ordinance for any DEVELOPMENT served by such basin. The specific EROSION control measures to be employed shall be included in an ESCP to be approved by the Approval Authority.
- F. The outlet CONTROL STRUCTURE shall be provided with an interceptor for trash and debris, and it shall be designed and constructed to minimize EROSION and not to require manual adjustments for its proper operation. The CONTROL STRUCTURE shall be designed to operate properly with minimal maintenance or attention. The CONTROL STRUCTURE shall be provided with safety screens for any pipe or opening, other than a weir, to prevent children or large animals from crawling into structures. The CONTROL STRUCTURE shall be constructed to allow access to it at all times, including times of flood flow.
  - G. Paved low flow conduits shall be provided in STORM WATER STORAGE AREA. These conduits shall be so constructed that they will not unnecessarily interfere with any secondary use of the storage area and will reduce the frequency of time that the storage area will be covered with water and facilitate dewatering of the SOILS in the STORM WATER STORAGE AREA to avoid saturated SOIL conditions. Low flow conduits shall facilitate complete interior drainage of the STORM WATER STORAGE AREA. Tile underdrain systems may be combined with the low flow conduits or CHANNEL systems.
  - H. Pipe outlets of less than 10 inches in diameter shall not be allowed unless specifically approved by the Approval Authority. Multiple outlet pipes from a STORM WATER STORAGE AREA shall be avoided if they are designed to be less than 12 inches in diameter.
  - I. Warning signs shall be placed at appropriate locations to warn of deep water, possible flood conditions during storm periods, and of other dangers that exist to pedestrian and vehicular traffic.

### **9.3 Wet Bottom Storm Water Storage Areas**

WET BOTTOM STORM WATER STORAGE AREAS shall be designed in compliance with all the applicable regulations which govern the CONSTRUCTION of DRY BOTTOM STORM WATER DETENTION BASINS. The following additional regulations shall apply to WET BOTTOM STORM WATER STORAGE AREAS:

- A. The water surface area of the permanent pool shall not exceed one-fifth of the area of the TRIBUTARY WATERSHED, or as approved by the Approval Authority.
- B. Minimum normal water depth (excluding safety ledges and side SLOPES) shall be eight feet provided, however, that if fish are to be maintained in the pond, at least one-quarter of the pond area shall be a minimum of ten feet deep.
- C. Measures shall be included in the design to minimize pond stagnation and to help ensure adequate aerobic pond conditions.
- D. All WET BOTTOM STORM WATER STORAGE AREAS shall comply with the requirements for some combination of vertical barrier or safety ledge for all pools as required by Section 4.3.6 of the Champaign County Zoning Ordinance.

### **9.4 Alternative Storm Water Storage Areas**

The use of STORM WATER STORAGE AREAS as described in Dry Bottom Storm Water Storage Areas (Sections 9.2) and Wet Bottom Storm Water Storage Areas (Section 9.3) are the preferred means of STORM WATER storage. The following alternative means of STORM WATER storage may be used on DEVELOPMENT SITES under 2 acres in area or where

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practical necessity makes the use of STORM WATER STORAGE AREAS infeasible. The use of such alternative STORM WATER STORAGE AREAS is only permitted upon the specific approval of the Approval Authority. Storage of STORM WATER in public streets will not be allowed.

- A. Paved STORM WATER Storage - Design and CONSTRUCTION of the pavement base must insure that there is minimal pavement damage due to flooding. CONTROL STRUCTURES in paved areas must be readily accessible for maintenance and cleaning. Flow control devices will be required unless otherwise approved by the Approval Authority.
- B. Street Pavement Surface Ponding - Street pavement surface ponding shall not exceed 9 inches in depth in the gutter line nor over the roadway crown if no gutter is present under all rainfall conditions up to and including the 50-year storm event. Open waterways such as surface overflow swales shall be designed into the GRADING plan to receive all excess STORM WATER. Depressing sidewalks across such overflow swales to meet this requirement shall be acceptable. Street ponding shall be allowed only for the conveyance of RUNOFF and will be subject to approval by the public body accepting dedication of the street.
- C. Rooftop STORM WATER Storage - Rooftop storage of excess STORM WATER shall be designed and constructed to provide permanent control inlets and parapet walls to contain excess STORM WATER. Adequate structural roof design must be provided to ensure that roof deflection does not occur which could cause the roofing material to fail and result in leakage. Overflow areas must be provided to ensure that the weight of STORM WATER will never exceed the structural capacity of the roof. Any rooftop storage of excess STORM WATER shall be approved only upon submission of building plans signed and sealed by a licensed structural engineer or architect attesting to the structural adequacy of the design.
- D. Automobile Parking Lot Storage Areas - Automobile parking lots may be designed to provide temporary detention storage on a portion of their surfaces. Automobile parking facilities used to store excess STORM WATER may be constructed having a maximum depth of stored STORM WATER of 0.6 feet; and these areas shall be located in the most remote, least used areas of the parking facility. Design and CONSTRUCTION of automobile parking in STORM WATER areas must insure that there is minimal damage to the parking facility due to flooding, including minimal damage to the sub base. Warning signs shall be mounted at appropriate locations to warn of possible flood conditions during storm periods.
- E. Underground STORM WATER Storage - Underground STORM WATER storage facilities must be designed for easy access in order to remove accumulated SEDIMENT and debris. These facilities must be provided with a positive gravity outlet unless otherwise approved by the Approval Authority.

## **9.5 Submittals**

Two copies of a STORM WATER DRAINAGE PLAN prepared by an Illinois Professional Engineer must be submitted with any zoning petition or SUBDIVISION application where required by this Ordinance. Such plan must at a minimum contain the following:

- A. The SUBDIVISION name or other project identification, engineer's firm, the engineer's name, and date shall all be indicated.
- B. Full description of before and after DEVELOPMENT topography, existing drainage (including locations of agricultural drainage tile serving the area to be developed as well as serving off-site areas but which crosses the area to be developed as well as the efforts to identify and locate underground tile), GRADING, and environmental characteristics of

- the property. This includes but is not limited to the location and size of all landscaped and vegetated areas, green roofs, rain water storage systems, and areas of permeable surfacing intended to provide storm water treatment or other storm water control.
- C. An explanation of the minor and major STORM WATER DRAINAGE SYSTEMS' performance under storm events up to and including the 100-year precipitation event and of the provisions for handling drainage from any TRIBUTARY WATERSHEDS.
  - D. The potential impacts of the DEVELOPMENT on water resources both upstream and downstream.
  - E. STORM WATER Detention or Retention System Designs - Calculations shall be submitted with all assumptions, coefficients, and other parameters identified and their sources noted.
  - F. For detention systems for DEVELOPMENTS of more than 10 acres in area, a plot or tabulation of storage volumes with corresponding water surface elevations (stage storage table) and of the basin outflow rates for those water surface (stage discharge) elevations shall be furnished for the 1-year, 2-year, 5-year and 50-year precipitation events. These tabulations shall be listed for water surface elevation intervals not exceeding 1.0 foot.
  - G. ESCP as required by LDEC Permits (Section 12) in this Ordinance.

## **9.6 Certifications**

The following certifications shall be submitted prior to the issuance of any Certificate of Compliance, final plat approval, or release of performance guarantee for DEVELOPMENT on the SITE as provided in the applicable provisions of the Champaign County Zoning Ordinance or Champaign County Subdivision Regulations:

- A. Certification of storage volume as required in Section ~~9-1-A-2-d-9.2E.~~
- B. As-built drawings of the STORM WATER DRAINAGE SYSTEM including the storage facility in sufficient detail to determine that the constructed facility is substantially the same as that presented in the approved STORM WATER DRAINAGE PLAN with certification to that effect by an Illinois Professional Engineer.

## **10. JOINT CONSTRUCTION**

STORM WATER STORAGE AREAS may be planned and constructed jointly by two or more landowners so long as compliance with this Ordinance is maintained.

## **11. LAND DISTURBANCE EROSION CONTROL**

### **11.1 General Requirement**

- A. Land Disturbance Erosion Control requirements shall apply to any STORM WATER DRAINAGE PLAN, LDEC PERMIT or enforcement actions prescribed by the Zoning Administrator.
- B. The design, testing, installation, and maintenance of EROSION and SEDIMENT control operations and facilities shall adhere to the requirements of this Ordinance and the standards and specifications contained in the Technical Appendices; and to the most recent version of the ILLINOIS URBAN MANUAL. This Ordinance shall prevail where any of those requirements conflict. The EROSION and SEDIMENT control standards specifically included in this Ordinance may not be adequate for every situation that may be encountered and in those situations the most appropriate standard(s) from the ILLINOIS URBAN MANUAL should be utilized.

## **11.2 Minimize Soil Erosion**

The following practices shall be applied to LAND DISTURBANCE activities to minimize Soil Erosion.

- A. LAND DISTURBANCE shall be minimized to the extent practical and shall be conducted in such a manner as to minimize soil EROSION.
- B. Prior to any LAND DISTURBANCE on the SITE, EROSION control facilities shall be installed.
- C. Areas of LAND DISTURBANCE shall be stabilized immediately whenever LAND DISTURBANCE has permanently ceased on any portion of the SITE, or temporarily ceased on any portion of the SITE and will not resume for a period exceeding 14 calendar days. Stabilization of disturbed areas must be initiated within 1 working day of permanent or temporary cessation of earth disturbing activities and shall be completed as soon as possible but not later than 14 days from the initiation of stabilization work in the area. Except where the initiation of stabilization measures is precluded by snow cover, stabilization measures shall be initiated as soon as practicable or on areas where construction activity has temporarily ceased and will resume after 14 days, a temporary stabilization method can be used.
- D. Appropriate temporary or permanent stabilization measures shall include seeding, mulching, sodding, and/or non-vegetative measures.
- E. Areas of LAND DISTURBANCE with a slope equal to or greater than three feet horizontal to one foot vertical shall be stabilized.
- F. To the extent practicable, ditches and swales which are to convey off-site flows through the SITE shall be stabilized upon construction.
- G. The condition of the LAND DISTURBANCE and/ or construction SITE for the winter shutdown period shall address proper EROSION and SEDIMENT control early in the fall growing season so that all LAND DISTURBANCE areas may be stabilized with temporary or permanent vegetative cover.
  - 1. All non-active construction areas that are to remain idle throughout the winter shall receive temporary erosion control measures including temporary seeding, mulching, and/or erosion control blanketing prior to the end of the fall growing season that is approximately October 15.
  - 2. Those active construction areas to be worked beyond October 15 shall incorporate soil stabilization measures that do not rely on vegetative cover such as erosion control blanketing and heavy mulching.

## **11.3 Minimize ~~On-Site~~ Sedimentation**

The following practices shall be applied to LAND DISTURBANCE activities to minimize SEDIMENTATION:

- A. SEDIMENT control facilities shall be utilized to minimize SEDIMENT from leaving the SITE and minimize the amount of sediment being moved on the SITE.
- B. Common SEDIMENT control facilities or structures are sediment traps, sediment basins, and silt fences. Straw bale dikes are not authorized SEDIMENT control facilities.
- C. SEDIMENT control facilities shall be in place for all drainage leaving the SITE prior to mass GRADING.
- D. Adjacent private and public areas shall be kept free of SEDIMENT and nuisance soil. A stabilized LOT or construction entrance (driveway) and vehicle wash down facilities, if necessary, shall be provided to minimize the amount of soil and SEDIMENT tracked onto public or private streets. Any soil or SEDIMENT tracked onto a public or private street shall be removed before the end of each workday or sooner if directed by the relevant Authority.

- E. When a proposed LAND DISTURBANCE is tributary to a storm drain inlet, that storm drain inlet shall be protected by an appropriate SEDIMENT control device prior to the LAND DISTURBANCE.

#### **11.4 Construction Dewatering**

Water that is pumped or otherwise discharged on or from the SITE during construction dewatering shall be filtered to remove SEDIMENT and erosion shall be minimized.

#### **11.5 Stockpiles**

Stockpiles of soil and other erodible building material (such as sand) of 100 cubic yards or more shall be stabilized with temporary or permanent measures of EROSION and SEDIMENT control within 14 calendar days and shall be located as follows:

- A. Stockpiles shall be provided a minimum separation of not ~~be located~~ less than ~~30~~ 50 feet from the top of the bank of a drainage ditch or stream and not less than 30 feet from the centerline of a drainage swale that is indicated as an intermittent stream (or other drainage feature indicated as an intermittent stream) on a United States Geological Survey 7.5 Minute Quadrangle Map and not less than 30 feet from the top of the bank of a roadside ditch ~~or~~ and not in a drainage ditch easement and not less than ~~30~~ 10 feet from the nearest property line under other ownership; and
- B. Any additional separation distance required for stabilization and maintenance of the stockpile outside of the minimum separation required above.

#### **11.6 Required Maintenance of Erosion and Sediment Control Measures**

All temporary EROSION and SEDIMENT control measures shall be inspected regularly and maintained in an effective working condition at least as frequently (and more often if needed) as follows:

- A. Repair, replace, or maintain EROSION and SEDIMENT control measures after a singular or cumulative rainfall event of 0.5 inches or more over a 24 hour period.
- B. All temporary EROSION and SEDIMENT control measures shall be removed within 30 days after FINAL STABILIZATION is achieved with permanent soil stabilization measures.
- C. Trapped SEDIMENT and other disturbed soil resulting from temporary measures shall be properly disposed of and the area shall be stabilized.

### **12. LDEC PERMITS**

- A. Within the Champaign County MS4 JURISDICTIONAL AREA, a LDEC PERMIT shall be required for applicable LAND DISTURBANCES except activities identified in LDEC Permit Exemptions (Section 4.4).
- B. The requirements and review procedures to authorize a particular LAND DISTURBANCE depend upon the classification of that particular LAND DISTURBANCE. LDEC PERMITS shall be of the following types:
  - 1. A MAJOR LDEC PERMIT shall be required for any LAND DISTURBANCE of one acre or more of land within the Champaign County MS4 JURISDICTION.
  - 2. A MINOR LDEC PERMIT shall be required for any LAND DISTURBANCE of less than one acre of land but greater than 10,000 square feet that is part of a COMMON PLAN OF DEVELOPMENT OR SALE OF RECORD or that is part of any other USE, DISTRICT, or LOT described in Applicability (Section 4.1), that is not otherwise identified in LDEC Permit Exemptions (Section 4.4).

3. LDEC PERMITS are required to be obtained by the OWNER or DEVELOPER of each LOT of a COMMON PLAN OF DEVELOPMENT OR SALE OF RECORD, if multiple LAND DISTURBANCE activities occurring at the same time will result in 1 acre or greater LAND DISTURBANCE.

### **12.1 Applications for a LDEC Permit**

Applications for a LDEC PERMIT shall be filed in written form with the ZONING ADMINISTRATOR on such forms as the ZONING ADMINISTRATOR prescribes and shall include the following:

- A. Name and address of the OWNER, the APPLICANT, contractor, engineer and architect when applicable;
- B. Location, including township and section, street number, lot block and or tract comprising the legal description of the SITE;
- C. Permanent Index Number (PIN);
- D. LOT Area;
- E. ZONING DISTRICT;
- F. Special Flood Hazard Area, if applicable;
- G. Use of existing property and structures;
- H. Proposed use and any proposed structures;
- I. Estimated cost of proposed construction;
- J. SITE PLAN indicating all existing and proposed uses and structures;
- K. Extent and nature of proposed LAND DISTURBANCE;
- L. An EROSION AND SEDIMENT CONTROL PLAN (ESCP) meeting the requirements of this Ordinance;
- M. Applications for a Major LDEC PERMIT shall also include the Supplemental Application Form in Technical Appendix E.

### **12.2 LDEC Permit - Minor**

The following forms and procedures are required:

- A. The APPLICANT shall submit a completed Application Form. Copies of the completed and approved Application Form and LETTER OF NOTIFICATION shall be kept on the project SITE and made available for public viewing during CONSTRUCTION hours.
- B. Submission of an ESCP consistent with the guidelines and standards in Technical Appendix D.
- C. Upon approval of the ESCP by the ZONING ADMINISTRATOR, the ESCP shall be implemented by the PERMITTEE consistent with the guidelines and standards in Technical Appendix D.
- D. The PERMITTEE shall allow inspections of the LAND DISTURBANCE by the ZONING ADMINISTRATOR as indicated in Required Inspections (Section 13.5) in this Ordinance.
- E. When the LAND DISTURBANCE is completed and all LAND DISTURBANCE on the project SITE has received FINAL STABILIZATION, a LETTER OF TERMINATION shall be submitted by the PERMITTEE to the ZONING ADMINISTRATOR.

### **12.3 LDEC Permit - Major**

The following forms and procedures are required:

- A. Submission of a completed Application Form and Supplemental Land Disturbance Erosion Control Permit Application Form. Copies of the completed and approved Application Form, SWPPP and ESCP shall be kept on the project SITE and made available for public viewing during CONSTRUCTION hours.

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*Storm Water Management and Erosion Control Ordinance*

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- B. The APPLICANT shall complete a NOTICE OF INTENT according to the ILR10 requirements and submit the NOI to the IEPA and the County.
- C. The APPLICANT shall complete a CONTRACTOR'S CERTIFICATION STATEMENT (CCS) according to the ILR10 requirements and submit the CCS to the IEPA and the County.
- D. The APPLICANT shall prepare a SWPPP according to the ILR10 requirements and submit the written SWPPP to the IEPA and the County.
- E. The APPLICANT shall submit an ESCP that has been prepared by a licensed PROFESSIONAL ENGINEER or a CERTIFIED PROFESSIONAL EROSION CONTROL SPECIALIST, for approval by the ZONING ADMINISTRATOR. The ESCP shall be as follows:
  - 1. The ESCP shall be drawn to an appropriate scale and shall include sufficient information to evaluate the environmental characteristics of the affected areas, the potential impacts of the proposed GRADING on water resources, and measures proposed to minimize SOIL EROSION and minimize offsite EROSION and SEDIMENTATION.
  - 2. The following information shall be included in any ESCP:
    - a. A letter of transmittal, which includes a project narrative.
    - b. An attached vicinity map showing the location of the SITE in relationship to the surrounding area's WATERCOURSES, water bodies and other significant geographic features, roads and other significant STRUCTURES.
    - c. An indication of the scale used and a north arrow.
    - d. The name, address, and telephone number of the OWNER and/or DEVELOPER of the property where the land disturbing activity is proposed.
    - e. Suitable contours for the existing and proposed topography.
    - f. Types of SOILS present on the SITE, as defined by the "Soil Survey of Champaign County, Illinois", prepared by the United States Department of Agriculture Natural Resources Conservation Service.
    - g. The proposed GRADING or LAND DISTURBANCE activity including; the surface area involved, excess spoil material, use of BORROW material, and specific limits of disturbance.
    - h. Location of WASHOUT FACILITIES for concrete and asphalt materials indicated on the SITE PLAN. Provide details of proposed WASHOUT FACILITIES.
    - i. A clear and definite delineation of any areas of vegetation or trees to be saved.
    - j. A clear and definite delineation of any WETLANDS, natural or artificial water storage detention areas, and drainage ditches on the SITE.
    - k. A clear and definite delineation of any 100-year FLOODPLAIN on or near the SITE.
    - l. STORM WATER DRAINAGE SYSTEMS, including quantities of flow and SITE conditions around all points of SURFACE WATER discharge from the SITE.
    - m. EROSION and SEDIMENT control provisions to minimize on-site EROSION and SEDIMENTATION and minimize off-site EROSION and SEDIMENTATION, including provisions to preserve TOPSOIL and limit disturbance. Provisions shall be in accordance with the standards presented in the appropriate Technical Appendix.

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- n. Design details for both temporary and permanent EROSION CONTROLS. Details shall be in accordance with the standards presented in the appropriate Technical Appendix.
  - o. Details of temporary and permanent stabilization measures including a note on the plan stating: "Following initial SOIL disturbance or redisturbance, permanent or temporary stabilization shall be completed within seven (7) calendar days on all perimeter dikes, swales, ditches, perimeter SLOPES, and all SLOPES greater than three (3) horizontal to one (1) vertical (3:1); embankments of ponds, basins, and traps; and within fourteen (14) days on all other disturbed or graded areas. The requirements of this section do not apply to those areas which are shown on the plan and are currently being used for material storage or for those areas on which actual CONSTRUCTION activities are currently being performed."
  - p. A chronological schedule and time frame (with estimated month) including, as a minimum, the following activities:
    - i. CLEARING AND GRUBBING for those areas necessary for installation of perimeter EROSION control devices.
    - ii. CONSTRUCTION of perimeter EROSION control devices.
    - iii. Remaining interior SITE CLEARING AND GRUBBING.
    - iv. Installation of permanent and temporary stabilization measures.
    - v. Road GRADING.
    - vi. GRADING for the remainder of the SITE.
    - vii. Building, parking lot, and SITE CONSTRUCTION.
    - viii. Final GRADING, landscaping or stabilization.
    - ix. Implementation and maintenance of FINAL STABILIZATION.
    - x. Removal of temporary EROSION control devices.
  - q. A statement on the plan noting that the CONTRACTOR, DEVELOPER, and OWNER shall request the EROSION CONTROL INSPECTOR to inspect and approve work completed in accordance with the approved ESCP, and in accordance with the ordinance.
  - r. A description of, and specifications for, SEDIMENT retention structures.
  - s. A description of, and specifications for, surface RUNOFF and EROSION control devices.
  - t. A description of vegetative measures.
  - u. A proposed vegetative condition of the SITE on the 15th of each month between and including the months of April through October.
  - v. The seal of a licensed PROFESSIONAL ENGINEER in the State of Illinois, if applicable.
- F. The APPLICANT may propose the use of any EROSION and SEDIMENT control techniques in a FINAL ESCP, provided such techniques are proved to be as or more effective than the equivalent BEST MANAGEMENT PRACTICES as contained in the manual of practices.
- G. The PERMITTEE shall prepare an EROSION CONTROL INSPECTION REPORT (ECIR) on a weekly basis or after any rainfall event one-half (1/2) inch or greater in twenty-four (24) hours, as recorded on-site, at the nearest United States Geologic Survey or Illinois State Water Survey rain gauge nearest the SITE. Submit the ECIR to the ZONING ADMINISTRATOR within five (5) days. Inspections may be reduced to once per month when construction activities have ceased due to frozen conditions. Weekly inspections will recommence when construction activities are conducted, or if there is one-half (1/2) inch or greater rain event, or snowmelt occurs.

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- H. The PERMITTEE shall prepare an INCIDENCE OF NON-COMPLIANCE (ION) report within forty-eight (48) hours for any non-compliance. The ION report shall meet all ILR10 requirements. Submit the ION to the IEPA and the County.
- I. Copies of the documents listed above shall be kept on the project SITE and shall be made available for public viewing during CONSTRUCTION hours.
- J. The PERMITTEE shall prepare a NOTICE OF TERMINATION (NOT) upon FINAL STABILIZATION of the project SITE. Submit the NOT to the IEPA and the County.
- K. All reports should be mailed to the ZONING ADMINISTRATOR at the following address:
  - Department of Planning and Zoning
  - Brookens Administrative Center
  - 1776 E. Washington St.
  - Urbana, IL 61802

**12.4 Fee**

At the time the application is filed a fee shall be paid in accordance with the following schedule of fees in addition to any Zoning Use Permit fees that may apply:

- A. LDEC PERMIT - MAJOR
  - 1. No additional fee is required if a STORM WATER DRAINAGE PLAN is required and a fee has been paid in accordance with Section 9.3.4 of the Zoning Ordinance.
  - 2. If no STORM WATER DRAINAGE PLAN is required the fee shall be the Engineering Review Fee established by Section 9.3.4 of the Zoning Ordinance.
- B. LDEC PERMIT - MINOR.....\$50.00  
*(Note: Paragraph 12.4 B. above is optional and was included by the ZBA in the recommendation for approval.)*

**12.5 LDEC Permit Authorization**

The issuance of a LDEC PERMIT shall constitute an authorization to do only the work described in the PERMIT or shown on the approved SITE PLANS and specifications, all in strict compliance with the requirements of this ordinance and conditions determined by the Zoning Administrator.

**12.6 LDEC Permit Duration**

- A. LDEC PERMITS shall be issued for a specific period of time, up to one (1) year. The LDEC PERMIT duration shall reflect the time the proposed land disturbing or filling activities and SOIL storage are scheduled to take place. If the PERMITTEE commences permitted activities later than one hundred eighty (180) days of the scheduled commencement date for GRADING, the PERMITTEE shall resubmit all required application forms, maps, plans, and schedules to the ZONING ADMINISTRATOR. The PERMITTEE shall fully perform and complete all of the work required in the sequence shown on the plans within the time limit specified in the LDEC PERMIT.
- B. LAND DISTURBANCE activities that require schedules in excess of one (1) year shall be reviewed and authorized by the ZONING ADMINISTRATOR in accordance with paragraph 9.1.2 D. of the Zoning Ordinance.

**12.7 Responsibility of the Permittee**

- A. The PERMITTEE shall maintain a copy of the LDEC PERMIT, approved plans and reports required under the LDEC PERMIT on the work SITE and available for public inspection during all working hours. The PERMITTEE shall, at all times, ensure that the

property is in conformity with the approved GRADING plan, ESCP's, and with the following:

1. General - Notwithstanding other conditions or provisions of the LDEC PERMIT, or the minimum standards set forth in this Ordinance, the PERMITTEE is responsible for the prevention of damage to adjacent property arising from LAND DISTURBANCE activities. No person shall GRADE on land in any manner, or so close to the property lines as to endanger or damage any adjoining public street, sidewalk, alley or any other public or private property without supporting and protecting such property from settling, cracking, EROSION, SEDIMENTATION or other damage or personal injury which might result.
  2. Public ways - The PERMITTEE shall be responsible for the prompt removal of any SOIL, miscellaneous debris or other materials washed, spilled, tracked, dumped or otherwise deposited on public streets, highways, sidewalks, public thoroughfare or public sanitary or STORM WATER conveyance systems, incident to the CONSTRUCTION activity, or during transit to and from the SITE and shall promptly correct any damages resulting therefrom.
- B. Compliance with this Ordinance does not ensure compliance with ILR10 requirements. APPLICANT and/or PERMITTEE is responsible for ensuring compliance with ILR10 requirements.

## **12.8 Required Maintenance During and After Construction**

On any property on which GRADING or other work has been performed pursuant to a LDEC PERMIT granted under the provisions of this Ordinance, the PERMITTEE or OWNER, their agent, CONTRACTOR, and employees shall, at a minimum, daily inspect, maintain and repair all graded surfaces and EROSION control facilities, drainage structures or means and other protective devices, plantings, and ground cover installed while CONSTRUCTION is active. After CONSTRUCTION is complete, the OWNER or their agent shall maintain erosion control facilities and other drainage structures. This shall include cleaning inlets at least once a year during spring time and SEDIMENT shall be removed every 15 years or as needed.

## **13. ADMINISTRATION OF LDEC PERMITS**

### **13.1 Zoning Administrator**

- A. Administration and enforcement of this Ordinance shall be governed by the requirements of this Ordinance and Section 9 of the Champaign County Zoning Ordinance. This Ordinance shall prevail where there is a conflict but the Zoning Ordinance shall prevail where this Ordinance is silent.
- B. The ZONING ADMINISTRATOR, as defined in Section 9.1.1 of the Zoning Ordinance, shall have the duty to administer and enforce this Ordinance.
- C. The ZONING ADMINISTRATOR representative is authorized to make inspections of any SITE at various times on which there is a LAND DISTURBANCE that is regulated by this Ordinance. The intent of entering premises is to inspect the SITE before, during and after CONSTRUCTION to determine compliance with this Ordinance.

### **13.2 Conditions of Approval**

In granting any LDEC PERMIT pursuant to this Ordinance, the ZONING ADMINISTRATOR may impose such conditions as may be reasonably necessary to prevent the creation of a nuisance or unreasonable hazard to persons or to a public or private property. Such conditions may include, but need not be limited to:

- A. The granting (or securing from others) and the recording in county land records of easements for drainage facilities, including the acceptance of their discharge on the property of others, and for the maintenance of SLOPES or EROSION control facilities.
- B. Adequate control of dust by watering, or other control methods acceptable to the ZONING ADMINISTRATOR, and in conformance with applicable air pollution ordinances.
- C. Improvements of any existing GRADING, ground surface or drainage condition on the SITE (not to exceed the area as proposed for work or DEVELOPMENT in the application) to meet the standards required under this Ordinance for new GRADING, drainage and EROSION control.
- D. SEDIMENT traps and basins located within a densely populated area or in the proximity of an elementary school, playground or other area where small children may congregate without adult supervision, may be required to install additional safety-related devices.
- E. Any other EROSION and SEDIMENT control technique necessary, in the opinion of the ZONING ADMINISTRATOR, to avoid a public safety hazard.

### **13.3 LDEC Permit Denial**

- A. If the ZONING ADMINISTRATOR determines that an ESCP does not meet the requirements of this Ordinance, the application for the LDEC PERMIT shall not be approved.
- B. The ESCP must be resubmitted and approved before any LAND DISTURBANCE activity may be authorized.
- C. All land use and building permits shall be suspended on a SITE until there is an approved ESCP and the ZONING ADMINISTRATOR has approved a LDEC PERMIT.

### **13.4 Changes to LDEC Permits and Plans**

- A. No work associated with any proposed modification to a LDEC PERMIT or plan shall occur without prior written approval by the ZONING ADMINISTRATOR.
- B. Administrative changes such as contact information or schedule changes must be submitted prior to, or together with, any reports, information, or applications to be signed by and authorized representative, but does not require review or approval by the ZONING ADMINISTRATOR.
- C. Changes to an approved ESCP can be authorized in two (2) ways:
  - 1. Changes within the scope of the applicable Technical Appendix may be approved and documented on a field inspection report signed and dated by the EROSION CONTROL INSPECTOR.
  - 2. Changes outside of the scope of the applicable Technical Appendix shall be submitted to the ZONING ADMINISTRATOR for approval.

### **13.5 Required Inspection**

- A. All work for which a LDEC PERMIT is required shall be subject to inspection and approval by the ZONING ADMINISTRATOR. Refusal to allow entry of the ZONING ADMINISTRATOR or his/her representative to inspect for compliance with this Ordinance, or interference with such inspection, shall be grounds for the issuance of a STOP-WORK ORDER.
- B. The PERMITTEE and/or their agents shall conduct a pre-CONSTRUCTION meeting on SITE with the EROSION CONTROL INSPECTOR on each SITE which has an approved ESCP.
- C. ~~Before commencing GRADING or land disturbing activities,~~ The PERMITTEE shall obtain written inspection approvals by the EROSION CONTROL INSPECTOR at the

following stages in the DEVELOPMENT of the SITE, or of each SUBDIVISION thereof:

1. Upon completion of installation of perimeter EROSION and SEDIMENT controls and prior to proceeding with any other LAND DISTURBANCE or GRADING. Other building or GRADING inspection approvals, including approval of any related Zoning Use Permit, shall not be authorized until the installation of perimeter EROSION and SEDIMENT controls has been approved by the EROSION CONTROL INSPECTOR, have been approved by the EROSION CONTROL INSPECTOR.
  2. Upon completion of stripping, the stockpiling of TOPSOIL, the CONSTRUCTION of temporary EROSION and SEDIMENT control facilities, disposal of all waste material, and preparation of the ground and completion of rough GRADING, but prior to placing TOPSOIL, permanent drainage or other SITE DEVELOPMENT improvements and ground covers.
  3. Upon completion of FINAL STABILIZATION, including GRADING, permanent drainage and EROSION control facilities, including established ground covers and plantings, and all other work of the LDEC PERMIT.
  4. The ZONING ADMINISTRATOR may require additional inspections as may be deemed necessary.
- D. Work shall not proceed beyond the stages outlined above until the EROSION CONTROL INSPECTOR inspects the SITE and approves the work previously completed.
- E. Requests for inspections shall be made at least twenty-four (24) hours in advance (exclusive of Saturdays, Sundays, and holidays) of the time the inspection is desired. Upon request for inspections, the EROSION CONTROL INSPECTOR shall perform the inspection within forty-eight (48) hours of the request.
- F. The inspection to determine compliance with this Ordinance shall not normally include a new building which was completed and which has been secured, but shall include inspection of any area of the property where land disturbing activity is occurring or has been authorized

#### **14. LIABILITY RELATED TO LDEC PERMITS**

- A. Neither the issuance of a LDEC PERMIT under the provisions of this Ordinance, nor the compliance with the provisions hereto or with any condition imposed by the ZONING ADMINISTRATOR, shall relieve any person from responsibility for damage to persons or property resulting from the activity of the PERMITTEE.
- B. Compliance with the conditions imposed by this Ordinance, or conditions imposed by the ZONING ADMINISTRATOR, shall not create liability on the County resulting from such compliance.

#### **15. ENFORCEMENT OF LDEC PERMITS**

##### **15.1 Compliance**

The PERMITTEE shall carry out the proposed work in accordance with the approved plans and specifications, and in compliance with all the requirements of the LDEC PERMIT, including those documents referenced in this Ordinance.

## **15.2 Deficiency**

A SITE is deficient when regular maintenance of EROSION and SEDIMENT CONTROLS have not been completed and can generally be resolved during weekly inspections or inspections following storm events. The ZONING ADMINISTRATOR may send a letter encouraging the PERMITTEE to fix the deficiency before the next rain event when the SITE may become non-compliant.

## **15.3 Non-Compliance**

A SITE is Non-Compliant when any violation of the stormwater pollution prevention plan or any condition of applicable permits is observed during any inspection. Corrective actions must be undertaken immediately to address the identified non-compliance issue(s). Any incidence of noncompliance (ION) shall be reported to the IEPA as required by the ILR10 permit and to the Zoning Administrator. The ION shall include statements regarding: the cause of Non-compliance, actions taken to prevent any further non-compliance, environmental impact resulting from the non-compliance, and any actions taken to reduce the environmental impact from the non-compliance.

- A. If non-compliance occurs and an ION is not filed, the SITE is in violation of the LDEC PERMIT.
- B. Recurring non-compliance could be a violation of the LDEC PERMIT.

## **15.4 Notice of Violation**

- A. If the ZONING ADMINISTRATOR finds any conditions not as stated in the application or approved plans, the ZONING ADMINISTRATOR may issue a Notice of Violation or a STOP-WORK ORDER on the entire project, or any specified part thereof, until a revised plan is submitted conforming to current SITE conditions. Failure to obtain a LDEC PERMIT for activities regulated under this Ordinance constitutes a violation.
- B. If the ZONING ADMINISTRATOR issues a Notice of Violation or a STOP-WORK ORDER on the entire project, or any specified part thereof, pursuant to a MAJOR LDEC PERMIT, the ZONING ADMINISTRATOR shall also notify the IEPA that the project may not be in compliance with the ILR10 permit.

## **15.5 Prevention of Hazard**

Whenever the ZONING ADMINISTRATOR determines that any LAND DISTURBANCE on any private property is an imminent hazard to life and limb, or endangers the property of another, or adversely affects the safety, use, SLOPE, or SOIL stability of a public way, publicly controlled WETLAND, or WATERCOURSE, then the ZONING ADMINISTRATOR shall issue a Stop-Work Order and require that all LAND DISTURBANCE activities cease and the corrective work begin immediately.

## **15.6 Stop-Work Order**

- A. The ZONING ADMINISRATOR may require that, on a SITE, all work which is being performed contrary to the provisions of this Ordinance or is being performed in an unsafe or dangerous manner shall immediately stop.
- B. STOP-WORK ORDERS do not include work as is directed to be performed to remove a violation or dangerous or unsafe condition as provided in the STOP-WORK ORDER..
- C. The ZONING ADMINISTRATOR may issue a STOP-WORK ORDER for the entire project or any specified part thereof if any of the following conditions exist:
  - 1. Any LAND DISTURBANCE activity regulated under this Ordinance is being undertaken without a LDEC PERMIT.
  - 2. The ESCP or SWPPP is not being fully implemented.

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3. Any of the conditions of the LDEC PERMIT are not being met.
4. The work is being performed in a dangerous or unsafe manner.
5. Refusal to allow entry for inspection.
- D. A STOP-WORK ORDER shall be issued as follows:
  1. The STOP-WORK ORDER shall be in writing and shall be posted and served upon the OWNER and PERMITTEE, as provided below. In addition, a copy of the STOP-WORK ORDER may be given to any person in charge of or performing work on drainage improvements in the DEVELOPMENT, or to an agent of any of the foregoing.
  2. The STOP-WORK ORDER shall state the conditions under which work may be resumed.
  3. No person shall continue any work after having been served with a STOP-WORK ORDER.
  4. For the purposes of this section, a STOP-WORK ORDER is validly posted by posting a copy of the STOP-WORK ORDER on the SITE of the LAND DISTURBANCE in reasonable proximity to a location where the LAND DISTURBANCE is taking place. Additionally, in the case of work for which there is a LDEC PERMIT, a copy of the STOP-WORK ORDER, shall be mailed by first class mail to the address listed by the PERMITTEE and in the case of work for which there is no LDEC PERMIT, a copy of the STOP-WORK ORDER shall be mailed to the person to whom real estate taxes are assessed, or if none, to the taxpayer shown by the records of the Supervisor of Assessment.
  5. If the LAND DISTURBANCE continues more than 24 hours after the STOP-WORK ORDER is posted on the SITE, the ZONING ADMINISTRATOR may do the following:
    - a. If there is a LDEC PERMIT the ZONING ADMINISTRATOR may revoke the LDEC PERMIT
    - b. If there is no LDEC PERMIT, the ZONING ADMINISTRATOR may request the State's Attorney to obtain injunctive relief.
  6. The ZONING ADMINISTRATOR may retract the revocation.
  7. Ten (10) days after posting a STOP-WORK ORDER, the ZONING ADMINISTRATOR may issue a notice to the OWNER and/or PERMITTEE of the intent to perform the work necessary to minimize EROSION and institute SEDIMENT control. The ZONING ADMINISTRATOR or his/her designated representative may go on the land and commence work after fourteen (14) days from issuing the notice. The costs incurred to perform this work shall be paid by the OWNER or PERMITTEE. In the event no LDEC PERMIT was issued, the costs, plus a reasonable administrative fee, shall be billed to the OWNER.
  8. Compliance with the provisions of this Ordinance may also be enforced by injunction.

### **15.7 Legal Proceedings**

- A. A complaint may be filed with the Circuit Court for any violation of this Ordinance. A separate violation shall be deemed to have been committed on each day that the violation existed.
- B. In addition to other remedies, the State's Attorney may institute any action or proceeding which:
  1. Prevents the unlawful CONSTRUCTION, alteration, repair, maintenance, or removal of drainage improvements in violation of this Ordinance or the violation of any LDEC PERMIT issued under the provisions of this Ordinance.

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2. Prevents the occupancy of a building, STRUCTURE or land where such violation exists.
  3. Prevents any illegal act, conduct, business, or use in or about the land where such violation exists.
  4. Restrains, corrects or abates the violation.
- C. In any action or proceeding under this section, the State's Attorney may request the court to issue a restraining order or preliminary injunction, as well as a permanent injunction, upon such terms and conditions as will enforce the provisions of this Ordinance. A lien may also be placed on the property in the amount of the cleanup costs.

### **15.8 Penalties**

- A. Penalties for violation of this Ordinance shall be governed by the requirements of this Ordinance and Section 10 of the Champaign County Zoning Ordinance. This Ordinance shall prevail where there is a conflict but the Zoning Ordinance shall prevail where this Ordinance is silent.
- B. Any person, firm, corporation or agency acting as principal, agent, employee or otherwise, who fails to comply with the provisions of this Ordinance shall be punishable by a fine of not less than one hundred dollars (\$100.00) per day and not more than five hundred dollars (\$500.00) per day for each separate offense. Each day there is a violation of any part of this Ordinance shall constitute a separate offense.

### **16. RULES OF CONSTRUCTION**

This Ordinance shall be construed liberally in the interests of the public so as to protect the public health, safety, and welfare.

### **17. APPEAL, WAIVER OR VARIANCE**

- A. Any part here of or this entire Ordinance may be waived or varied by the by the relevant Approval Authority in accord with the relevant provision of Article 18 of the Champaign County Subdivision Regulations or Section 9.1.9 of the Champaign County Zoning Ordinance except for specific requirements of the ILR10.
- B. When the ZONING ADMINISTRATOR is the Approval Authority, the PERMITTEE, or its designee, may appeal a decision of the ZONING ADMINISRATOR pursuant to this Ordinance as authorized in Section 9.1.8 of the Zoning Ordinance. The filing of an appeal shall not operate as a stay of a Notice of Violation or STOP-WORK ORDER. The County shall grant the appeal and issue the appropriate instructions to the Department of Planning and Zoning upon a finding of fact that there is no violation of the Ordinance or the LDEC PERMIT issued.

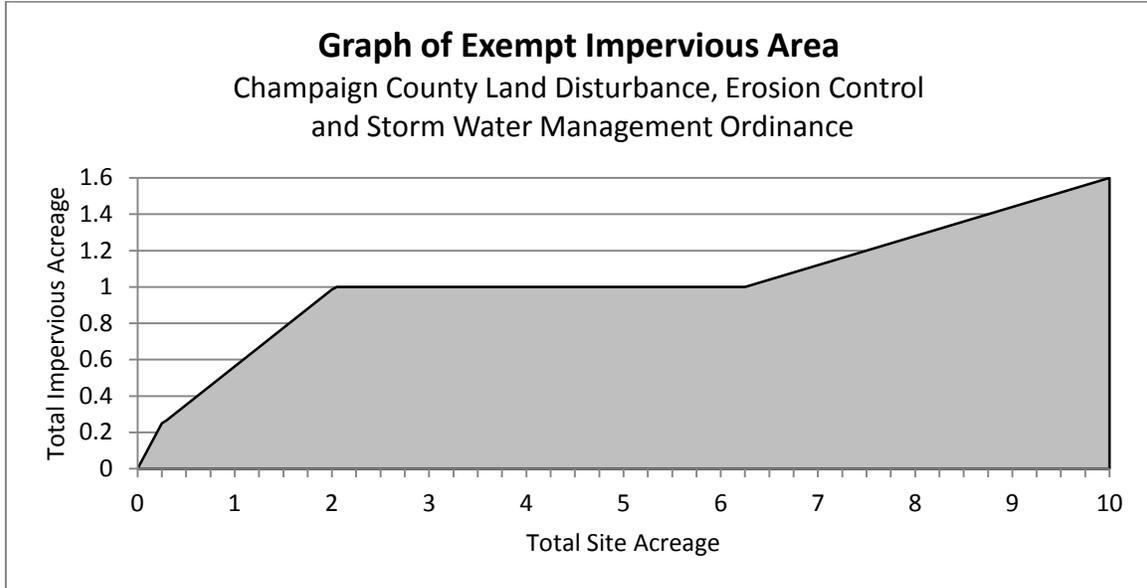
### **18. EFFECTIVE DATE**

This ordinance shall become effective upon adoption.

**Appendix A – Adopting Resolution and Amendments**

## Appendix B – Exempt Impervious Area

The following graph illustrates the impervious area exemption established in Subparagraph 8.2.A.5. The mathematical expressions for the different portions of the graph are also included. Exemption status can either be read directly from Subparagraph 8.2.A.5. or the graph or determined mathematically using the mathematical expressions.



### Mathematical Expressions for Exempt Impervious Area

| <u>Site Area</u>                              | <u>Project is Exempt if:</u>   |
|---|--|
| Less than or equal to 0.25 acres              | Impervious Area is less than or equal to Site Area                         |
| Greater than 0.25 acres or equal to 2.0 acres | Impervious Area is less than or equal to 0.14 acres plus 0.423 x Site Area |
| Greater than 2.0 acres or equal to 6.25 acres | Impervious Area is less than or equal to 1.0 acres                         |
| Greater than 6.25 acres                       | Impervious Area is less than or equal to 0.16 x Site Area                  |

**Appendix C – Champaign County MS4 Jurisdictional Area**

(NOT INCLUDED IN THIS COPY)

**Appendix D - Technical Appendix for Minor LDEC Permit**

**Standard Forms and list of Standard Details  
for  
Land Disturbance Erosion Control Permit – Minor**

(NOT INCLUDED IN THIS COPY)

**Appendix E - Technical Appendix for Major LDEC Permit**

**Standard Forms and List of Standard Details  
for  
Land Disturbance Erosion Control Permit – Major**

(NOT INCLUDED IN THIS COPY)

**Appendix F – Standard Details**

(NOT INCLUDED IN THIS COPY)

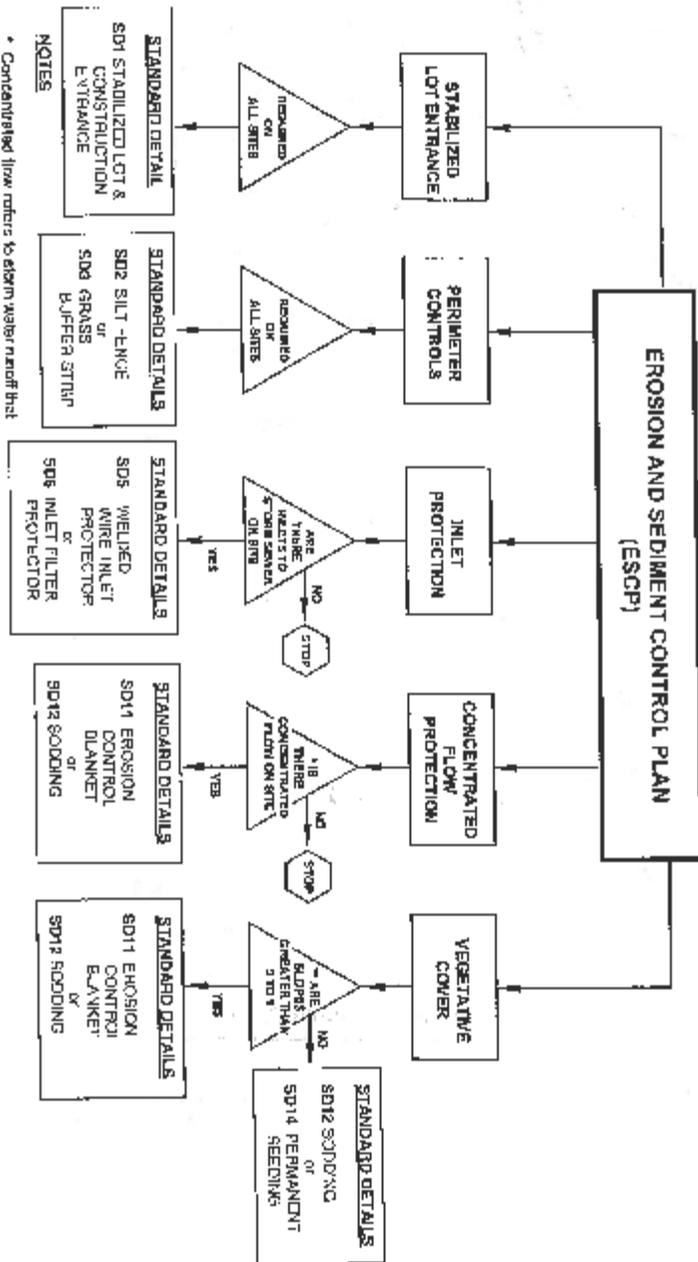
**Appendix D**  
**Technical Manual**  
**Minor Land Disturbance Erosion Control Permit**

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(Note: Pamphlet versions of the Storm Water Management and Erosion Control Ordinance may be made available with only Appendix D or Appendix E and contain only the relevant details from Appendix F.)

## Minor Land Disturbance Erosion Control Permit EROSION CONTROL PRACTICES FLOW CHART



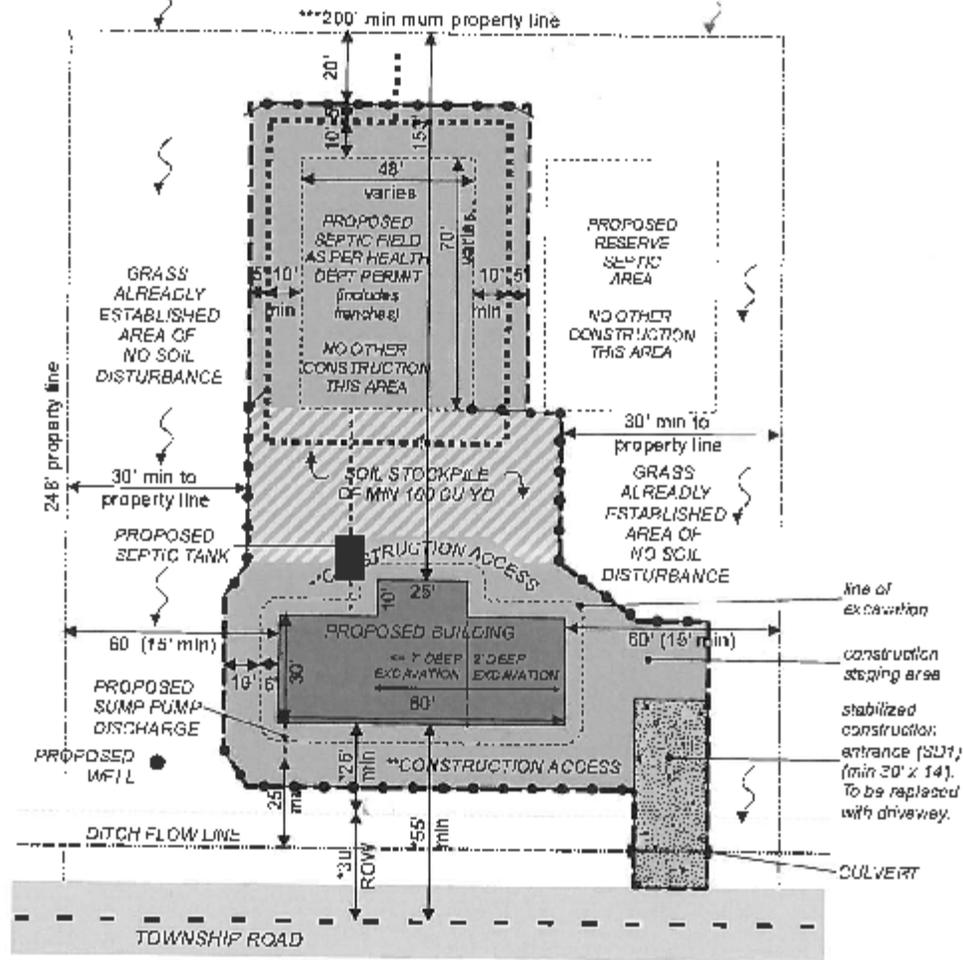
NOTES

- \* Concentrated flow refers to storm water runoff that has been concentrated and is flowing through small depressions, fills, gullies, ditches or swales
- \*\* 3 in 1 refers to 3 feet horizontal to 1 foot vertical on slopes.



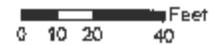
# Example Erosion and Sediment Control Plan (ESCP) for a New Home on a Typical Rural Lot in MS4 Area

Example 1: Grass already established - limited soil disturbance area



- \* minimum setback varies depending on street classification
- \*\* construction access as required by contractor
- \*\* minimum lot width in AG-1 and CR Districts

Limit of soil disturbance (no construction activities or traffic outside this area): this area to receive permanent seeding (SD5) and mulching and/or sodding (SD12) upon construction completion



### Notes:

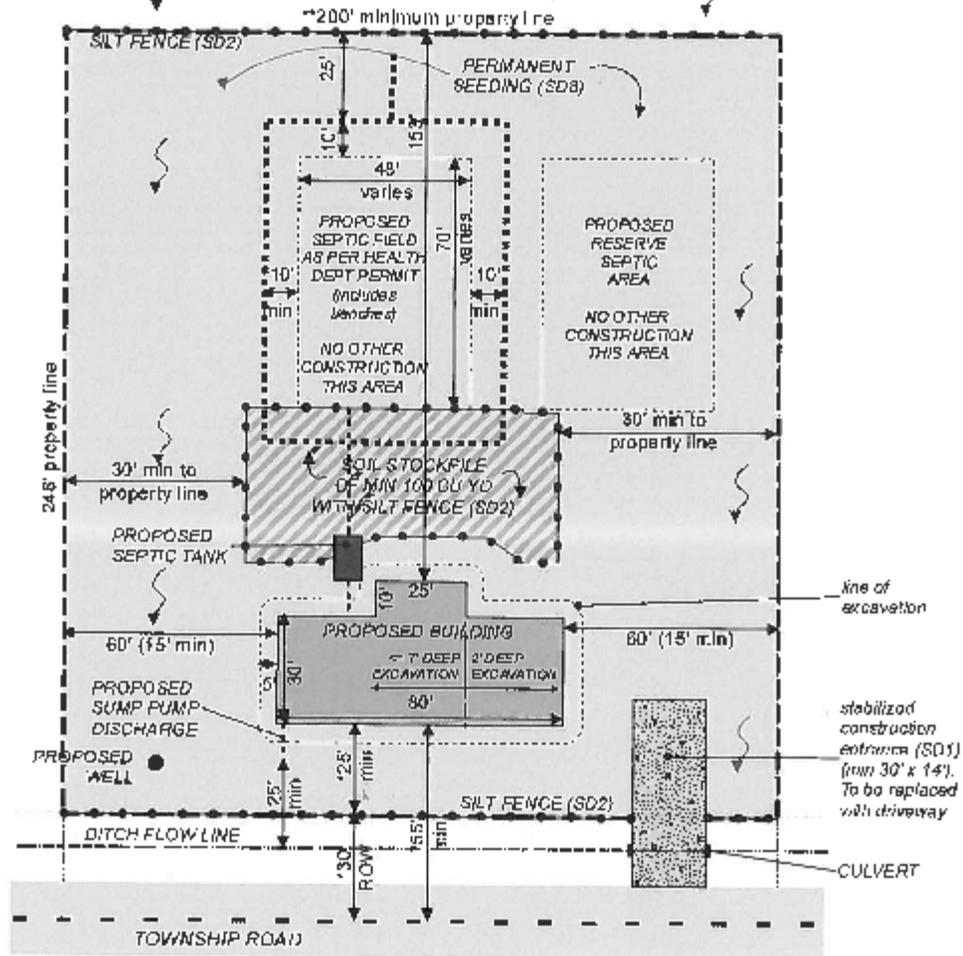
1. ESCP may be prepared on a photocopy of the Zoning Use Permit Site Plan provided by the Department of Planning & Zoning.
2. For general construction sequence see General Notes in Technical Appendix D of the Stormwater Management and Erosion Control Ordinance
3. SC1, SD2, SD 8 and SD 12 are Standard Details in Technical Appendix D of the Stormwater Management and Erosion Control Ordinance

### Legend

|  |  |                     |  |
|--|--|---------------------|--|
| LIMIT OF SOIL DISTURBANCE (Indicate by pencil shading or use of highlighter, etc.) | Curtain Drain                          | Soil Stockpile Area | Municipal Department of Public Works & Engineering |
| SILT FENCE (SD2)   | Septic Field                           | Residence           | DRAFT Dec 2014                                     |
| Direction of Drainage  | Reserve Septic Field                   | Property Line       |  |
|  | Stabilized Construction Entrance (SD1) | Township Road       |  |

# Example Erosion and Sediment Control Plan (ESCP) for a New Home on a Typical Rural Lot in MS4 Area

Example 2: All soil disturbed on property



^ minimum setback varies depending on street classification.  
~ minimum lot width on AB-1 and CR-D streets

**Notes:**

1. ESCP may be prepared on a photocopy of the Zoning Use Permit Site Plan provided by the Department of Planning & Zoning.
2. For general construction sequence see General Notes in Technical Appendix D of the Stormwater Management and Erosion Control Ordinance.
3. SD1, SD2, and SD8 are Standard Details in Technical Appendix C of the Stormwater Management and Erosion Control Ordinance.



**Legend**

- LIMIT OF SOIL DISTURBANCE (indicate by pencil shading or use of highlighter, etc.)
- SILT FENCE (SD2)
- Direction of Drainage

- Curtain Drain
- Septic Field
- Reserve Septic Field
- Stabilized Construction Entrance (SD1)

- Soil Stockpile Area
- Residence
- Property Line
- Township Road

Thompson County  
Department of  
Planning & Zoning  
C. BOYD, Director  
TOWNSHIP  
DRAFT Dec 2014

**NOTES ON INSTALLATION AND CONSTRUCTION SEQUENCE**

1. Apply for both a Zoning Use Permit and a Land Disturbance Erosion Control (LDEC) Permit at the same time.
2. First, the LDEC Permit will be approved with the Erosion and Sediment Control Plan (ESCP) that authorizes installation of the following:
  - A. Install stabilized lot entrance for all construction access.
  - B. Install perimeter controls where storm water enters and leaves the site.
  - C. Call Zoning Administrator for inspection of perimeter controls.
3. Next, get written approval of stabilized lot entrance and perimeter controls from the Zoning Administrator before further construction.
4. The Zoning Use Permit can only be approved after approval of perimeter Controls. The Zoning Use Permit authorizes general construction and the proposed use. During general construction:
  - A. Follow the approved ESCP.
  - B. Ensure that any stockpile is indicated on the ESCP and that it meets the minimum separation requirements.
  - C. Inspect, Maintain and Repair all erosion and sedimentation controls (especially perimeter controls) during construction until Final Stabilization is achieved.
  - D. Call the Zoning Administrator to request a Zoning Compliance Inspection when construction is complete.
5. Final Stabilization is a uniform perennial vegetative land cover of at least 70% density and cannot be achieved until there is no more land disturbance. Regarding Final Stabilization:
  - A. Final Stabilization may be completed by either the homebuilder or the homeowner but must be completed within two years of approval of the LDEC Permit.
  - B. When Final Stabilization is achieved submit a Letter of Termination to the Zoning Administrator who will inspect the Final Stabilization.
  - C. Perimeter controls should be removed (carefully) after Final Stabilization is inspected and approved in writing by the Zoning Administrator.

**NOTES ON CONCENTRATED FLOWS**

1. Install erosion control blanket (SD5) or sod (SD7) for concentrated flow areas.
2. Provide soil protection and energy dissipation at **gutter downspouts** or **roof edge drip line** to protect soil at all times but especially during establishment of final ground cover. Examples of soil protection and energy dissipation are erosion control blanket (SD5) or sod (SD7).
3. Provide inlet protection (SD4) at all storm sewer inlets, grates, drains, and manholes that are in proximity of disturbed area. Contact relevant authority (highway commissioner or relevant utility) prior to installation.

## **Appendix E**

### **Technical Manual**

#### **Major Land Disturbance Erosion Control Permit**

##### Table of Contents

|  |     |
|--|-----|
| Erosion Control Practices Flow Chart.....                                  | E-3 |
| Supplemental Land Disturbance Erosion Control Permit Application Form..... | E-4 |
| Erosion and Sediment Control Plan Checklist.....                           | E-5 |
| Sample Permit Plan for Major Land Disturbance Erosion Control Permit.....  | E-9 |

##### **Other Standard Forms:**

Illinois Environmental Protection Agency ILR 10 Notice of Intent (NOI) Form w/  
Instructions

Illinois Department of Transportation Contractor Certification Statement

Illinois Environmental Protection Agency ILR 10 Construction Site Storm Water  
Discharge Incidence of Non-Compliance (ION) Form w/ Guidelines

Illinois Environmental Protection Agency ILR 10 Notice of Termination (NOT) Form w/  
Guidelines

Illinois Department of Transportation Storm Water Pollution Prevention Plan Erosion  
Control Inspection Report Form

Illinois Department of Transportation Storm Water Pollution Prevention Plan (SWPPP)  
Form (Note: Under item II.E.1. the technical basis for selection of permanent storm  
water management controls should be the Champaign County Storm Water Management  
and Erosion Control Ordinance.)

##### **Standard Details to be included from Appendix F:**

Stabilized Construction Entrance Standard Details

Perimeter Control: Silt Fence Standard Details

Perimeter Control: Grass Buffer Strip Standard Details

Perimeter Control: Super Silt Fence Standard Details

Inlet Protection: Welded Wire Inlet Protection Standard Details

Inlet Protection: Inlet Filter Protector Standard Details

Concentrated Flow Control: Rock Check Dam Standard Details

Concentrated Flow Control: Triangular Silt Dike Standard Details

Concentrated Flow Control: Diversion Berm Standard Details

Concentrated Flow Control: Turf Reinforcement Mat Standard Details

**Standard Details to be included from Appendix F (continued):**

**Concentrated Flow Control: Erosion Control Blanket Standard Details**

**Soil Stabilization (non-vegetative): Mulching**

**Vegetative Soil Stabilization: Sodding Standard Details**

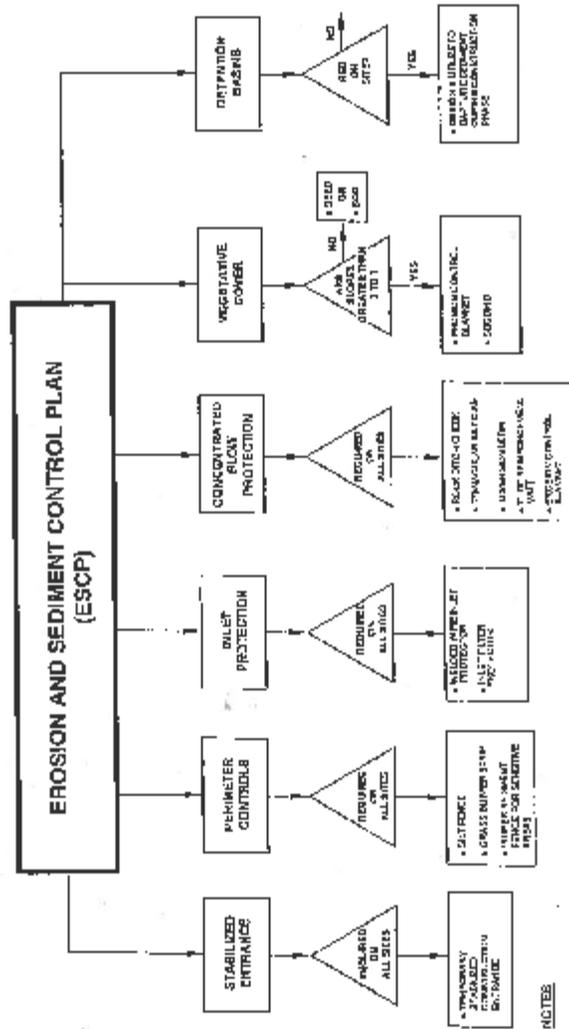
**Vegetative Soil Stabilization: Permanent Seeding**

**Pump Discharge Filter Bag Standard Details**

**Concrete Washout Facilities Standard Details**

**(Note: Pamphlet versions of the Storm Water Management and Erosion Control Ordinance may be made available with only Appendix D or Appendix E and therein contain only the relevant details from Appendix F.)**

# Major Land Disturbance Erosion Control Permit EROSION CONTROL PRACTICES FLOW CHART



**NOTES**

- Some areas require setbacks, ditches, dikes, drains, natural areas, and other erosion control measures.



**EROSION AND SEDIMENT CONTROL PLAN CHECKLIST**

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

Sheet/Page No.

**I. Project Narrative Description**

- A. Description of proposed development .....  \_\_\_\_\_
- B. Past, present and proposed land uses including adjacent properties .....  \_\_\_\_\_
- C. Surface area involved, use of excess spoil material, use of borrow material .....  \_\_\_\_\_

**II. Vicinity Map – 500 ft around site**

- A. 8 1/2" x 11" copy of a USGS map with the outline of the project area. ....  \_\_\_\_\_
- B. Scale indicated on map .....  \_\_\_\_\_
- C. Streets and significant structures properly labeled on map. ....  \_\_\_\_\_
- D. Watercourses, water bodies, wetlands, and other significant geographic features in the vicinity of the project area properly identified and labeled on the maps .....  \_\_\_\_\_

**III. Site Drawing(s)**

- A. Scaled by licensed professional engineer .....  \_\_\_\_\_
- B. Existing and proposed contours shown and labeled -100 ft around site. ....  \_\_\_\_\_
- C. Property lines shown and labeled .....  \_\_\_\_\_

- |    |   |                                     |       |
|----|---|-------------------------------------|-------|
| D. | Scale, legend, and north arrow shown and labeled . . . . .  | <input checked="" type="checkbox"/> | _____ |
| E. | 100 year flood elevation and floodplain delineation shown and labeled . . . . .   | <input type="checkbox"/>            | _____ |
| F. | Delineation of any wetlands, natural or artificial water storage detention areas, and drainage ditches on the site. . . . .   | <input type="checkbox"/>            | _____ |
| G. | Delineation of any storm drainage systems including quantities of flow and site conditions around all points of surface water discharge from the site. . . . .        | <input type="checkbox"/>            | _____ |
| H. | Delineation of any areas of vegetation or trees to be preserved . . . . .   | <input type="checkbox"/>            | _____ |
| I. | Delineation of any grading or land disturbance activity including specific limits of disturbance and stockpile locations . . . . .                                    | <input type="checkbox"/>            | _____ |
| J. | Stabilized construction entrance provisions shown and labeled . . . . .   | <input type="checkbox"/>            | _____ |
| K. | Perimeter erosion control provisions shown and labeled . . . . .  | <input type="checkbox"/>            | _____ |
|    | <ul style="list-style-type: none"> <li>• Silt Fence</li> <li>• Grass Buffer Strip</li> <li>• Super Sediment Fence for Sensitive Areas</li> </ul>                      |                                     |       |
| L. | Inlet protection provisions shown and labeled . . . . .   | <input type="checkbox"/>            | _____ |
|    | <ul style="list-style-type: none"> <li>• Stone Bags</li> <li>• Welded Wire Inlet Protectors</li> <li>• Approved Manufacturers Product</li> </ul>                      |                                     |       |
| M. | Concentrated flow provisions shown and labeled . . . . .  | <input type="checkbox"/>            | _____ |
|    | <ul style="list-style-type: none"> <li>• Diversion Berms</li> <li>• Erosion Control Blanket</li> <li>• Turf Reinforcement Mat</li> <li>• Stone Ditch Check</li> </ul> |                                     |       |

- N. Vegetative restoration provisions shown and labeled .....  \_\_\_\_\_
  - Seed
  - Erosion Control Blanket
  - Sod
  
- O. Sediment traps or basins shown and labeled .....  \_\_\_\_\_
  
- P. Plan note stating "Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within seven (7) calendar days on all perimeter dikes, swales, ditches, perimeter slopes, and all slopes greater than 3 horizontal to 1 vertical (3:1); embankments at ponds, basins, and traps; and within fourteen (14) days on all other disturbed or graded areas. The requirements of this section do not apply to those areas which are shown on the plan and are currently being used for material storage or for those areas on which actual construction activities are currently being performed." .....  \_\_\_\_\_
  
- Q. Erosion control provision details in accordance with standards presented in the Manual of Practice .....  \_\_\_\_\_

IV. Chronological Construction Schedule and Time Frame including the following:

- A. Clearing and grubbing those areas necessary for installation of perimeter erosion control devices .....  \_\_\_\_\_
  
- B. Construction of perimeter erosion control devices .....  \_\_\_\_\_
  
- C. Remaining interior site clearing and grubbing .....  \_\_\_\_\_
  
- D. Installation of permanent and temporary stabilization measures .....  \_\_\_\_\_
  
- E. Road grading .....  \_\_\_\_\_
  
- F. Grading for remainder of the site .....  \_\_\_\_\_
  
- G. Building, parking lot, and site construction .....  \_\_\_\_\_

- II. Final grading, landscaping, or stabilization .....  \_\_\_\_\_
- I. Implementation and maintenance of final erosion control structures .....  \_\_\_\_\_
- J. Removal of temporary erosion control devices .....  \_\_\_\_\_
  
- V. Specifications
  - A. Sediment retention structure specifications .....  \_\_\_\_\_
  - B. Surface runoff and erosion control devices specifications .....  \_\_\_\_\_
  
- VI. Vegetative Measures
  - A. Description of vegetative measures .....  \_\_\_\_\_
  - B. Proposed vegetative conditions of the site on the 15<sup>th</sup> of each month between and including the months of April through October .....  \_\_\_\_\_
  
- VII. Concrete Washout Facilities
  - A. Location of Concrete Washout Facility shown on Site Plan .....  \_\_\_\_\_
  - B. Details of Concrete Washout Facility .....  \_\_\_\_\_

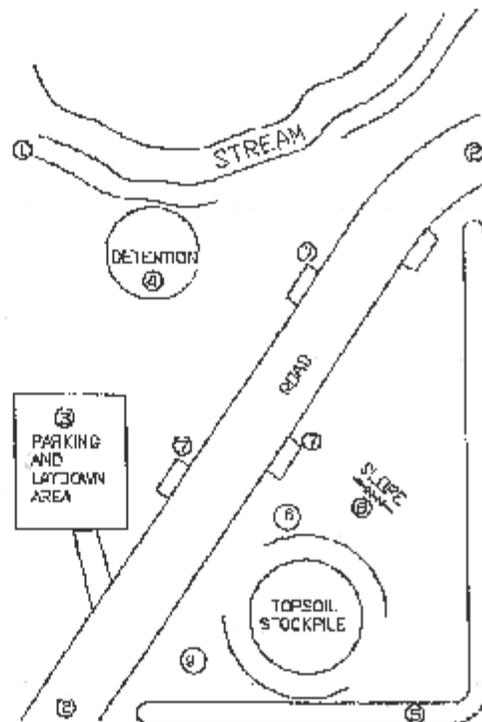
## SAMPLE PERMIT PLAN

### TYPICAL EROSION CONTROL PLAN ELEMENTS

- ① SUPER SEDIMENT FENCE TO PROTECT SENSITIVE AREAS.
- ② STABILIZED CONSTRUCTION ENTRANCES.
- ③ STABILIZE PARKING AND LAY DOWN AREA WITH GRAVEL PAD AND SILT FENCE AROUND DOWN-HILL SIDES.
- ④ BUILD DETENTION PONDS AND SEDIMENT TRAPS.
- ⑤ DIVERT UPSTREAM SITE WATER AROUND SITE WITH DIMENSION BERMS.
- ⑥ PROTECT STOCKPILE WITH TEMPORARY VEGETATION AND SILT FENCE.
- ⑦ INLET PROTECTION ONCE STORM SEWERS ARE IN PLACE.
- ⑧ STABILIZE SOIL WITHIN 14 DAYS OF ROUGH GRADING WITH SOD, SEED BLANKETS, HYDRO MULCH, ETC.
- ⑨ SLOPES GREATER THAN 3:1 MUST RECEIVE EROSION CONTROL PROTECTION OF BLANKET OR SOD WITHIN 7 DAYS OF BEING PLACED OR STRIPPED.

### LEGEND

— SILT FENCE OR OTHER LIKE CONTROL





# Illinois Environmental Protection Agency

Bureau of Water • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

## Division of Water Pollution Control Notice of Intent (NOI) for General Permit to Discharge Storm Water Associated with Construction Site Activities

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Permit Section at the above address.

For Office Use Only

Permit No. ILR10

### OWNER INFORMATION

Company/Owner Name: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_ Phone: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Fax: \_\_\_\_\_  
Contact Person: \_\_\_\_\_ E-mail: \_\_\_\_\_  
Owner Type (select one) \_\_\_\_\_

### CONTRACTOR INFORMATION

MS4 Community:  Yes  No

Contractor Name: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_ Phone: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Fax: \_\_\_\_\_

### CONSTRUCTION SITE INFORMATION

Select One:  New  Change of information for: ILR10 \_\_\_\_\_  
Project Name: \_\_\_\_\_ County: \_\_\_\_\_  
Street Address: \_\_\_\_\_ City: \_\_\_\_\_ IL Zip: \_\_\_\_\_  
Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
(Deg) (Min) (Sec) (Deg) (Min) (Sec) Section Township Range  
Approximate Construction Start Date \_\_\_\_\_ Approximate Construction End Date \_\_\_\_\_

Total size of construction site in acres: \_\_\_\_\_  
If less than 1 acre, is the site part of a larger common plan of development?  
 Yes  No

Fee Schedule for Construction Sites:  
Less than 5 acres - \$250  
5 or more acres - \$750

### STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

Has the SWPPP been submitted to the Agency?  Yes  No

(Submit SWPPP electronically to: [aps.constit10swppp@illinois.gov](mailto:aps.constit10swppp@illinois.gov))

Location of SWPPP for viewing: Address: \_\_\_\_\_ City: \_\_\_\_\_

SWPPP contact information: \_\_\_\_\_ Inspector qualifications: \_\_\_\_\_

Contact Name: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_

Project inspector, if different from above \_\_\_\_\_ Inspector qualifications: \_\_\_\_\_

Inspector's Name: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_

IL 532 2104 WPC 623  
Rev 5/10

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 508). Failure to disclose this information may result in a civil penalty of not to exceed \$60,000 for the violator and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42) and may also prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

**TYPE OF CONSTRUCTION (select one)**

Construction Type \_\_\_\_\_

SIC Code. \_\_\_\_\_

Type a detailed description of the project:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**HISTORIC PRESERVATION AND ENDANGERED SPECIES COMPLIANCE**

Has the project been submitted to the following state agencies to satisfy applicable requirements for compliance with Illinois law on:

Historic Preservation Agency     Yes     No

Endangered Species                 Yes     No

**RECEIVING WATER INFORMATION**

Does your storm water discharge directly to:     Waters of the State    or     Storm Sewer

Owner of storm sewer system: \_\_\_\_\_

Name of closest receiving water body to which you discharge: \_\_\_\_\_

Mail completed form to: Illinois Environmental Protection Agency  
Division of Water Pollution Control  
Attn: Permit Section  
Post Office Box 19276  
Springfield, Illinois 62794-9276  
or call (217) 782-0610  
FAX (217) 782-9891

Or submit electronically to: [apa.constit10ewppp@illinois.gov](mailto:apa.constit10ewppp@illinois.gov)

I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage this system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. In addition, I certify that the provisions of the permit including the development and implementation of a storm water pollution prevention plan and a monitoring program plan, will be complied with.

*Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(f))*

\_\_\_\_\_  
Owner Signature:

\_\_\_\_\_  
Date:

\_\_\_\_\_  
Printed Name:

\_\_\_\_\_  
Title:

**INSTRUCTIONS FOR COMPLETION OF CONSTRUCTION ACTIVITY NOTICE OF INTENT (NOI) FORM**

Submit original, electronic or facsimile copies. Facsimile and/or electronic copies should be followed-up with submission of an original signature copy as soon as possible. Please write "copy" under the "For Office Use Only" box in the upper right hand corner of the first page.

***This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Permit Section at:***

Illinois Environmental Protection Agency  
 Division of Water Pollution Control  
 Permit Section  
 Post Office Box 19276  
 Springfield, Illinois 62794-9276  
 or call (217) 782-0610  
 FAX: (217) 782-9891

Or submit electronically to: [epa.constilr10swppp@illinois.gov](mailto:epa.constilr10swppp@illinois.gov)

**Reports must be typed or printed legibly and signed.**

Any facility that is not presently covered by the General NPDES Permit for Storm Water Discharges From Construction Site Activities is considered a new facility.

If this is a change in your facility information, renewal, etc., please fill in your permit number on the appropriate line, changes of information or permit renewal notifications do not require a fee.

**NOTE: FACILITY LOCATION IS NOT NECESSARILY THE FACILITY MAILING ADDRESS, BUT SHOULD DESCRIBE WHERE THE FACILITY IS LOCATED.**

Use the formats given in the following examples for correct form completion.

|          | Example | Format:  |
|----------|---------|--|
| Section  | 12      | 1 or 2 numerical digits                        |
| Township | 12N     | 1 or 2 numerical digits followed by "N" or "S" |
| Range    | 12W     | 1 or 2 numerical digits followed by "E" or "W" |

For the Name of Closest Receiving Waters, do not use terms such as ditch or channel. For unnamed tributaries, use terms which include at least a named main tributary such as "Unnamed Tributary to Sugar Creek to Sangamon River."

Submission of initial fee and an electronic submission of Storm Water Pollution Prevention Plan (SWPPP) for Initial Permit prior to the Notice of Intent being considered complete for coverage by the ILR10 General Permits. Please make checks payable to: Illinois EPA at the above address.

Construction sites with less than 5 acres of land disturbance - fee is \$250.

Construction sites with 5 or more acres of land disturbance - fee is \$750.

SWPPP should be submitted electronically to: [epa.constilr10swppp@illinois.gov](mailto:epa.constilr10swppp@illinois.gov). When submitting electronically, use Project Name and City as indicated on NOI form.



**Contractor Certification Statement**

Prior to conducting any professional services at the site covered by this contract, the Contractor and every subcontractor must complete and return to the Resident Engineer the following certification. A separate certification must be submitted by each firm. Attach to this certification all items required by Section II.G of the Storm Water Pollution Prevention Plan (SWPPP) which will be handled by the Contractor/subcontractor completing this form.

|               |                    |
|---------------|--------------------|
| Route _____   | Marked Rte. _____  |
| Section _____ | Project No. _____  |
| County _____  | Contract No. _____ |

This certification statement is a part of SWPPP for the project described above, in accordance with the General NPDES Permit No. ILR10 issued by the Illinois Environmental Protection Agency.

I certify under penalty of law that I understand the terms of the Permit No. ILR 10 that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

In addition, I have read and understand all of the information and requirements stated in SWPPP for the above mentioned project; I have received copies of all appropriate maintenance procedures; and, I have provided all documentation required to be in compliance with the Permit ILR10 and SWPPP and will provide timely updates to these documents as necessary.

- Contractor
- Sub-Contractor

|                |                |
|----------------|----------------|
| _____          | _____          |
| Print Name     | Signature      |
| _____          | _____          |
| Title          | Date           |
| _____          | _____          |
| Name of Firm   | Telephone      |
| _____          | _____          |
| Street Address | City/State/ZIP |

Items which this Contractor/subcontractor will be responsible for as required in Section II.G. of SWPPP;

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# Illinois Environmental Protection Agency

Bureau of Water • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

## Division of Water Pollution Control

### Construction Site Storm Water Discharge Incidence of Non-Compliance (ION)

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Compliance Assurance Section at the above address. You may email this completed form to:

[opa.swtrncwmp@illinois.gov](mailto:opa.swtrncwmp@illinois.gov)

For Office Use Only

#### Permittee Information:

Name: \_\_\_\_\_ Permit No. ILR10 \_\_\_\_\_

Street Address: \_\_\_\_\_ P.O. Box: \_\_\_\_\_

City: \_\_\_\_\_ State: IL Zip Code: \_\_\_\_\_ County: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

#### Construction Site Information:

Site Name: \_\_\_\_\_

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: IL Zip Code: \_\_\_\_\_

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

(Deg) (Min) (Sec) (Deg) (Min) (Sec) Section Township Range

#### Cause of Non-Compliance

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

#### Actions Taken to Prevent Any Further Non-Compliance

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

#### Environmental Impact Resulting From the Non-Compliance

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

#### Actions Taken to Reduce the Environmental Impact Resulting From the Non-Compliance

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

*Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))*

Owner Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

L 632 2105 WPC  
624 Rev. 10/2011

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/35). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42) and may also prevent this form from being processed and could result in your application being denied. This form has been approved by the Permit Management Center.

DIVISION OF WATER POLLUTION CONTROL  
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
FIELD OPERATIONS SECTION

GUIDELINES FOR COMPLETION OF INCIDENCE OF NON-COMPLIANCE (ION) FORM

Complete and submit this form for any violation of the Storm Water Pollution Prevention Plan observed during any inspection conducted, including those not required by the SWPPP. Please adhere to the following guidelines:

Initial submission within 24 hours by email, telephone or fax (see region fax numbers) of any incidence of non-compliance for any violation. Submit email copy to: [epa.swnoncomp@illinois.gov](mailto:epa.swnoncomp@illinois.gov). After 24 hours notification, submit signed original ION within 5 days to the following address:

Illinois Environmental Protection Agency  
Division of Water Pollution Control  
Compliance Assurance #19  
Post Office Box 19278  
Springfield, Illinois 62794-8276

FIELD OPERATIONS HEADQUARTERS  
Bruce Yurdin, Manager  
Phone: 217/782-3362 Fax: 217/785-1225  
EMAIL: [epa.swnoncomp@illinois.gov](mailto:epa.swnoncomp@illinois.gov)

Region 1 - ROCKFORD  
Chuck Corley, Manager  
Phone: 815/987-7760 Fax: 815/987-7005

Region 2 - DESPLAINES  
Jay Patel, Manager  
Phone: 847/294-4000 Fax: 847/294-4058

Region 3 - PEORIA  
Jim Kammuehler, Manager  
Phone: 309/693-5463 Fax: 309/693-5467

Region 4 - CHAMPAIGN  
Jos Kronkewski, Manager  
Phone: 217/278-5800 Fax: 217/278-5808

Region 5 - SPRINGFIELD  
Bruce Yurdin, FOS Manager  
Phone: 217/782-3362 Fax: 217/785-1225

Region 6 - COLLINSVILLE  
Bruce Yurdin, FOS Manager  
Phone: 217/782-3362 Fax: 217/785-1225

Region 7 - MARION  
Byron Marks, Manager  
Phone: 618/993-7200 Fax: 618/997-5467





# Illinois Environmental Protection Agency

Bureau of Water • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

## Division of Water Pollution Control NOTICE OF TERMINATION (NOT) of Coverage under the General Permit for Storm Water Discharges Associated with Construction Site Activities

*This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Permit Section at the above address.*

### OWNER INFORMATION

Permit No. ILR10

Owner Name: \_\_\_\_\_

Owner Type (select one) \_\_\_\_\_

Mailing Address: \_\_\_\_\_ Phone: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Fax: \_\_\_\_\_

Contact Person: \_\_\_\_\_ E-mail: \_\_\_\_\_

### CONTRACTOR INFORMATION

Contractor Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_ Phone: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Fax: \_\_\_\_\_

### CONSTRUCTION SITE INFORMATION

Facility Name: \_\_\_\_\_

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ IL Zip: \_\_\_\_\_ County: \_\_\_\_\_

NPDES Storm Water General Permit Number: ILR10 \_\_\_\_\_

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
(Deg) (Min) (Sec) (Deg) (Min) (Sec) Section Township Range

DATE PROJECT HAS BEEN COMPLETED AND STABILIZED: \_\_\_\_\_

**NOTE: Coverage under this permit cannot be terminated without the completion date.**

I certify under penalty of law that disturbed soils at the identified facility have been finally stabilized or that all storm water discharges associated with industrial activity from the identified facility that are authorized by an NPDES general permit have otherwise been eliminated. I understand that by submitting this notice of termination, that I am no longer authorized to discharge storm water associated with industrial activity by the general permit, and that discharging pollutants in storm water associated with industrial activity to Waters of the State is unlawful under the Environmental Protection Act and the Clean Water Act where the discharge is not authorized by an NPDES Permit.

*Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))*

Owner Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Mail completed form to: Illinois Environmental Protection Agency  
Division of Water Pollution Control, Attn: Permit Section  
1021 North Grand Avenue East  
P.O. Box 19276  
Springfield, Illinois 62794-9276

(Do not submit additional documentation unless requested)

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42) and may also prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

IL E32 2102

WPC 621 Rev 12/11

**GUIDELINES FOR COMPLETION OF NOTICE OF TERMINATION (NOT) FORM**

Please adhere to the following guidelines.

Submit 1 original, electronic or facsimile copies. Facsimile and/or electronic copies should be followed-up with submission of an original signature copy as soon as possible.

Submit completed forms to:

Illinois Environmental Protection Agency  
 Division of Water Pollution Control, Attn: Permit Section  
 1021 North Grand Avenue East  
 P.O. Box 19276  
 Springfield, Illinois 62794-9276  
 or call (217) 782-0610  
 FAX: (217) 782-9881

Or submit electronically to: [epa.const@ir10swppp@illinois.gov](mailto:epa.const@ir10swppp@illinois.gov)

**Reports must be typed or printed legibly and signed.**

**NOTE: FACILITY LOCATION IS NOT NECESSARILY THE FACILITY MAILING ADDRESS, BUT SHOULD DESCRIBE WHERE THE FACILITY IS LOCATED.**

Use the formats given in the following examples for correct form completion.

|          | Example | Format   |
|----------|---------|--|
| Section  | 12      | 1 or 2 numerical digits                        |
| Township | 12N     | 1 or 2 numerical digits followed by "N" or "S" |
| Range    | 12W     | 1 or 2 numerical digits followed by "E" or "W" |

Final stabilization has occurred when:

- (a) all soil disturbing activities at the site have been completed;
- (b) a uniform perennial vegetative cover with a density of 70% of the native background vegetative cover for the area has been established on all unpaved areas not covered by permanent structures; or
- (c) equivalent permanent stabilization measures have been employed.



Date of Inspection: \_\_\_\_\_ County: \_\_\_\_\_  
 Name of Inspector: \_\_\_\_\_ Section: \_\_\_\_\_  
 Type of Inspection: Weekly  Route: \_\_\_\_\_  
 >0.5" Precip.  Precip. Amt: \_\_\_\_\_ District: \_\_\_\_\_  
 Contractor: \_\_\_\_\_ Contract No: \_\_\_\_\_  
 Subs: \_\_\_\_\_ Job No. \_\_\_\_\_  
 \_\_\_\_\_ Project: \_\_\_\_\_  
 NPDES/ESC Deficiency Deduction: \$ \_\_\_\_\_ NPDES Permit No: \_\_\_\_\_  
 Total Disturbed Area: \_\_\_\_\_ acre Ready for Final Cover: \_\_\_\_\_ acre  
 Final Cover Established: \_\_\_\_\_ acre

**Erosion and Sediment Control Practices**

| Item # / BMP  |  | YES  | NO   | N/A  |
|---|--|--|--|--|
| 1. Slopes:  | Do all slopes and exposed areas where soil disturbing activities have temporarily or permanently ceased, and not permanently stabilized, have adequate temporary seed or other stabilization in accordance with the NPDES permitted 7 and 14 day rule? | <input type="checkbox"/>                             | <input type="checkbox"/>                             | <input type="checkbox"/>                             |
| 2. Ditches:   | Are all ditches (existing and temporary) clear of sediment and/or debris?<br>Do all ditches have adequate stabilization and structural practices in place?   | <input type="checkbox"/><br><input type="checkbox"/> | <input type="checkbox"/><br><input type="checkbox"/> | <input type="checkbox"/><br><input type="checkbox"/> |
| 3. Perimeter Erosion Barrier:                             | Are all perimeter erosion barriers in good working order?<br>Has perimeter barrier no longer needed, been removed and the area stabilized?   | <input type="checkbox"/><br><input type="checkbox"/> | <input type="checkbox"/><br><input type="checkbox"/> | <input type="checkbox"/><br><input type="checkbox"/> |
| 4. Temporary Ditch Checks:                                | Are all temporary ditch checks in good working order?<br>Are the current ditch checks adequate to control erosion?   | <input type="checkbox"/><br><input type="checkbox"/> | <input type="checkbox"/><br><input type="checkbox"/> | <input type="checkbox"/><br><input type="checkbox"/> |
| 5. Temp Diversions/<br>Slope Drains:                      | Are all Temporary Diversions and Slope Drains functioning properly?  | <input type="checkbox"/>                             | <input type="checkbox"/>                             | <input type="checkbox"/>                             |
| 6. Inlet Protection:                                      | Are ALL inlet protection devices in good working order?<br>Are ALL inlet filters less than 25% full and fabric unobstructed?   | <input type="checkbox"/><br><input type="checkbox"/> | <input type="checkbox"/><br><input type="checkbox"/> | <input type="checkbox"/><br><input type="checkbox"/> |
| 7. Sediment<br>Basins/Traps:                              | Are ALL sediment basins/traps in good working order?<br>Does sufficient capacity exist for the design stormwater event?  | <input type="checkbox"/><br><input type="checkbox"/> | <input type="checkbox"/><br><input type="checkbox"/> | <input type="checkbox"/><br><input type="checkbox"/> |
| 8. Areas of Interest - Wetland/Prairie/Tree Preservation: | Has the contractor remained clear of all designated 'no entry' areas?<br>Are all "no intrusion" areas adequately marked to prevent accidental entry?   | <input type="checkbox"/><br><input type="checkbox"/> | <input type="checkbox"/><br><input type="checkbox"/> | <input type="checkbox"/><br><input type="checkbox"/> |
| 9. Stock Piles:   | Are all stockpiles properly situated and maintained to prevent runoff and protected to minimize discharge of materials or residue in case of erosion?  | <input type="checkbox"/>                             | <input type="checkbox"/>                             | <input type="checkbox"/>                             |
| 10. Borrow/Waste<br>Sites:                                | Are all borrow and waste locations, including those located offsite, in compliance with NPDES requirements?  | <input type="checkbox"/>                             | <input type="checkbox"/>                             | <input type="checkbox"/>                             |
| 11. Other Installations:                                  | Are all other BMP installations shown in the plans properly functioning?<br>(note in comments)   | <input type="checkbox"/>                             | <input type="checkbox"/>                             | <input type="checkbox"/>                             |

**General Site Maintenance Required of the Permit**

|                          |  |  |  |  |
|--------------------------|--|--|--|--|
| 12. Vehicle<br>Tracking: | Is the site free from mud, sediment and debris from the vehicles entering/leaving off road areas throughout the site?<br>Are Stabilized Construction field entrances properly located?<br>Are Stabilized Construction field entrances in good working condition? | <input type="checkbox"/><br><input type="checkbox"/><br><input type="checkbox"/> | <input type="checkbox"/><br><input type="checkbox"/><br><input type="checkbox"/> | <input type="checkbox"/><br><input type="checkbox"/><br><input type="checkbox"/> |
|--------------------------|--|--|--|--|





Route \_\_\_\_\_ Marked Rta. \_\_\_\_\_  
 Section \_\_\_\_\_ Project No. \_\_\_\_\_  
 County \_\_\_\_\_ Contract No. \_\_\_\_\_

This plan has been prepared to comply with the provisions of the National Pollutant Discharge Elimination System (NPDES) Permit No. ILR10 (Permit ILR10), issued by the Illinois Environmental Protection Agency (IEPA) for storm water discharges from construction site activities.

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

|       |            |       |           |
|-------|------------|-------|-----------|
| _____ | Print Name | _____ | Signature |
| _____ | Title      | _____ | Date      |
| _____ | Agency     |       |           |

I. Site Description:

- A. Provide a description of the project location (include latitude and longitude):
- B. Provide a description of the construction activity which is the subject of this plan:
- C. Provide the estimated duration of this project:
- D. The total area of the construction site is estimated to be \_\_\_\_\_ acres.  
The total area of the site estimated to be disturbed by excavation, grading or other activities is \_\_\_\_\_ acres.
- E. The following is a weighted average of the runoff coefficient for this project after construction activities are completed:
- F. List all soils found within project boundaries. Include map unit name, slope information, and erosivity:
- G. Provide an aerial extent of wetland acreage at the site:
- H. Provide a description of potentially erosive areas associated with this project:
- I. The following is a description of soil disturbing activities by stages, their locations, and their erosive factors (e.g. steepness of slopes, length of slopes, etc):

- .. See the erosion control plans and/or drainage plans for this contract for information regarding drainage patterns, approximate slopes anticipated before and after major grading activities, locations where vehicles enter or exit the site and controls to prevent offsite sediment tracking (to be added after contractor identifies locations), areas of soil disturbance, the location of major structural and non-structural controls identified in the plan, the location of areas where stabilization practices are expected to occur, surface waters (including wetlands) and locations where storm water is discharged to surface water including wetlands.
- K. Identify who owns the drainage system (municipality or agency) this project will drain into:
- L. The following is a list of General NPDES ILR40 permits within whose reporting jurisdiction this project is located.
- M. The following is a list of receiving water(s) and the ultimate receiving water(s) for this site. The location of the receiving waters can be found on the erosion and sediment control plans:
- N. Describe areas of the site that are to be protected or remain undisturbed. These areas may include steep slopes, highly erodible soils, streams, stream buffers, specimen trees, natural vegetation, nature preserves, etc.
- O. The following sensitive environmental resources are associated with this project, and may have the potential to be impacted by the proposed development:
- Floodplain
  - Wetland Riparian
  - Threatened and Endangered Species
  - Historic Preservation
  - 303(d) Listed receiving waters for suspended solids, turbidity, or siltation
  - Receiving waters with Total Maximum Daily Load (TMDL) for sediment, total suspended solids, turbidity or siltation
  - Applicable Federal, Tribal, State or Local Programs
  - Other
1. 303(d) Listed receiving waters (fill out this section if checked above):
- a. The name(s) of the listed water body, and identification of all pollutants causing impairment:
  - b. Provide a description of how erosion and sediment control practices will prevent a discharge of sediment resulting from a storm event equal to or greater than a twenty-five (25) year, twenty-four (24) hour rainfall event:
  - c. Provide a description of the location(s) of direct discharge from the project site to the 303(d) water body:
  - d. Provide a description of the location(s) of any dewatering discharges to the MS4 and/or water body:
2. TMDL (fill out this section if checked above)
- a. The name(s) of the listed water body:

- b. Provide a description of the erosion and sediment control strategy that will be incorporated into the site design that is consistent with the assumptions and requirements of the TMDL.
- c. If a specific numeric waste load allocation has been established that would apply to the project's discharges, provide a description of the necessary steps to meet that allocation.

P. The following pollutants of concern will be associated with this construction project:

- |  |   |
|--|---|
| <input type="checkbox"/> Soil Sediment             | <input type="checkbox"/> Petroleum (gas, diesel, oil, kerosene, hydraulic oil / fluids) |
| <input type="checkbox"/> Concrete                  | <input type="checkbox"/> Antifreeze / Coolants  |
| <input type="checkbox"/> Concrete Truck Waste      | <input type="checkbox"/> Waste water from cleaning construction equipment               |
| <input type="checkbox"/> Concrete Curing Compounds | <input type="checkbox"/> Other (specify)  |
| <input type="checkbox"/> Solid Waste Debris        | <input type="checkbox"/> Other (specify)  |
| <input type="checkbox"/> Paints                    | <input type="checkbox"/> Other (specify)  |
| <input type="checkbox"/> Solvents                  | <input type="checkbox"/> Other (specify)  |
| <input type="checkbox"/> Fertilizers / Pesticides  | <input type="checkbox"/> Other (specify)  |

H. Controls:

This section of the plan addresses the controls that will be implemented for each of the major construction activities described in I.C. above and for all use areas, borrow sites, and waste sites. For each measure discussed, the Contractor will be responsible for its implementation as indicated. The Contractor shall provide to the Resident Engineer a plan for the implementation of the measures indicated. The Contractor, and subcontractors, will notify the Resident Engineer of any proposed changes, maintenance, or modifications to keep construction activities compliant with the Permit ILR10. Each such Contractor has signed the required certification on forms which are attached to, and are a part of, this plan:

A. **Erosion and Sediment Controls:** At a minimum, controls must be coordinated, installed and maintained to:

1. Minimize the amount of soil exposed during construction activity;
2. Minimize the disturbance of steep slopes;
3. Maintain natural buffers around surface waters, direct storm water to vegetated areas to increase sediment removal and maximize storm water infiltration, unless infeasible;
4. Minimize soil compaction and, unless infeasible, preserve topsoil.

B. **Stabilization Practices:** Provided below is a description of interim and permanent stabilization practices, including site-specific scheduling of the implementation of the practices. Site plans will ensure that existing vegetation is preserved where attainable and disturbed portions of the site will be stabilized. Stabilization practices may include but are not limited to: temporary seeding, permanent seeding, mulching, geotextiles, sodding, vegetative buffer strips, protection of trees, preservation of mature vegetation, and other appropriate measures. Except as provided below in II(B)(1) and II(B)(2), stabilization measures shall be initiated **immediately** where construction activities have temporarily or permanently ceased, but in no case more than **one (1) day** after the construction activity in that portion of the site has temporarily or permanently ceases on all disturbed portions of the site where construction will not occur for a period of fourteen (14) or more calendar days.

1. Where the initiation of stabilization measures is precluded by snow cover, stabilization measures shall be initiated as soon as practicable.
2. On areas where construction activity has temporarily ceased and will resume after fourteen (14) days, a temporary stabilization method can be used.

The following stabilization practices will be used for this project:

- |  |   |
|--|---|
| <input type="checkbox"/> Preservation of Mature Vegetation | <input type="checkbox"/> Erosion Control Blanket / Mulching |
| <input type="checkbox"/> Vegetated Buffer Strips           | <input type="checkbox"/> Sodding                            |
| <input type="checkbox"/> Protection of Trees               | <input type="checkbox"/> Geotextiles                        |
| <input type="checkbox"/> Temporary Erosion Control Seeding | <input type="checkbox"/> Other (specify)                    |
| <input type="checkbox"/> Temporary Turf (Seeding, Class 7) | <input type="checkbox"/> Other (specify)                    |
| <input type="checkbox"/> Temporary Mulching                | <input type="checkbox"/> Other (specify)                    |
| <input type="checkbox"/> Permanent Seeding                 | <input type="checkbox"/> Other (specify)                    |

Describe how the stabilization practices listed above will be utilized during construction:

Describe how the stabilization practices listed above will be utilized after construction activities have been completed:

- C. **Structural Practices:** Provided below is a description of structural practices that will be implemented, to the degree attainable, to divert flows from exposed soils, store flows or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Such practices may include but are not limited to: perimeter erosion barrier, earth dikes, drainage swales, sediment traps, ditch checks, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, and temporary or permanent sediment basins. The installation of these devices may be subject to Section 404 of the Clean Water Act.

The following structural practices will be used for this project:

- |  |  |
|--|--|
| <input type="checkbox"/> Perimeter Erosion Barrier     | <input type="checkbox"/> Rock Outlet Protection  |
| <input type="checkbox"/> Temporary Ditch Check         | <input type="checkbox"/> Riprap                  |
| <input type="checkbox"/> Storm Drain Inlet Protection  | <input type="checkbox"/> Gabions                 |
| <input type="checkbox"/> Sediment Trap                 | <input type="checkbox"/> Slope Mattress          |
| <input type="checkbox"/> Temporary Pipe Slope Drain    | <input type="checkbox"/> Retaining Walls         |
| <input type="checkbox"/> Temporary Sediment Basin      | <input type="checkbox"/> Slope Walls             |
| <input type="checkbox"/> Temporary Stream Crossing     | <input type="checkbox"/> Concrete Revetment Mats |
| <input type="checkbox"/> Stabilized Construction Exits | <input type="checkbox"/> Level Spreaders         |
| <input type="checkbox"/> Turf Reinforcement Mats       | <input type="checkbox"/> Other (specify)         |
| <input type="checkbox"/> Permanent Check Dams          | <input type="checkbox"/> Other (specify)         |
| <input type="checkbox"/> Permanent Sediment Basin      | <input type="checkbox"/> Other (specify)         |
| <input type="checkbox"/> Aggregate Ditch               | <input type="checkbox"/> Other (specify)         |
| <input type="checkbox"/> Paved Ditch                   | <input type="checkbox"/> Other (specify)         |

Describe how the structural practices listed above will be utilized during construction:

Describe how the structural practices listed above will be utilized after construction activities have been completed:

- D. **Treatment Chemicals**

Will polymer flocculants or treatment chemicals be utilized on this project:  Yes  No

If yes above, identify where and how polymer flocculants or treatment chemicals will be utilized on this project.

- E. **Permanent Storm Water Management Controls:** Provided below is a description of measures that will be installed during the construction process to control volume and pollutants in storm water discharges that will occur after construction operations have been completed. The installation of these devices may be subject to Section 404 of the Clean Water Act.

1. Such practices may include but are not limited to: storm water detention structures (including wet ponds), storm water retention structures, flow attenuation by use of open vegetated swales and natural depressions, infiltration of runoff on site, and sequential systems (which combine several practices).

The practices selected for implementation were determined on the basis of the technical guidance in Chapter 41 (Construction Site Storm Water Pollution Control) of the IDOT Bureau of Design and Environment Manual. If practices other than those discussed in Chapter 41 are selected for implementation or if practices are applied to situations different from those covered in Chapter 41, the technical basis for such decisions will be explained below.

2. Velocity dissipation devices will be placed at discharge locations and along the length of any outfall channel as necessary to provide a non-erosive velocity flow from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (e.g. maintenance of hydrologic conditions such as the hydroperiod and hydrodynamics present prior to the initiation of construction activities).

Description of permanent storm water management controls:

- F. **Approved State or Local Laws:** The management practices, controls and provisions contained in this plan will be in accordance with IDOT specifications, which are at least as protective as the requirements contained in the Illinois Environmental Protection Agency's Illinois Urban Manual. Procedures and requirements specified in applicable sediment and erosion site plans or storm water management plans approved by local officials shall be described or incorporated by reference in the space provided below. Requirements specified in sediment and erosion site plans, site permits, storm water management site plans or site permits approved by local officials that are applicable to protecting surface water resources are, upon submittal of an NOI, to be authorized to discharge under the Permit ILR10 incorporated by reference and are enforceable under this permit even if they are not specifically included in the plan.

Description of procedures and requirements specified in applicable sediment and erosion site plans or storm water management plans approved by local officials:

- G. **Contractor Required Submittals:** Prior to conducting any professional services at the site covered by this plan, the Contractor and each subcontractor responsible for compliance with the permit shall submit to the Resident Engineer a Contractor Certification Statement, BDE 2342a.

1. The Contractor shall provide a construction schedule containing an adequate level of detail to show major activities with implementation of pollution prevention BMPs, including the following items:
  - Approximate duration of the project, including each stage of the project
  - Rainy season, dry season, and winter shutdown dates
  - Temporary stabilization measures to be employed by contract phases
  - Mobilization timeframe
  - Mass clearing and grubbing/roadside clearing dates
  - Deployment of Erosion Control Practices
  - Deployment of Sediment Control Practices (including stabilized construction entrances/exits)
  - Deployment of Construction Site Management Practices (including concrete washout facilities, chemical storage, refueling locations, etc.)
  - Paving, saw-cutting, and any other pavement related operations
  - Major planned stockpiling operations
  - Timeframe for other significant long-term operations or activities that may plan non-storm water discharges such as dewatering, grinding, etc.
  - Permanent stabilization activities for each area of the project
2. The Contractor and each subcontractor shall provide, as an attachment to their signed Contractor Certification Statement, a discussion of how they will comply with the requirements of the permit in regard to the following items and provide a graphical representation showing location and type of BMPs to be used when applicable:

- Vehicle Entrances and Exits – Identify type and location of stabilized construction entrances and exits to be used and how they will be maintained.
- Material Delivery, Storage and Use – Discuss where and how materials including chemicals, concrete curing compounds, petroleum products, etc. will be stored for this project.
- Stockpile Management – Identify the location of both on-site and off-site stockpiles. Discuss what BMPs will be used to prevent pollution of storm water from stockpiles.
- Waste Disposal – Discuss methods of waste disposal that will be used for this project.
- Spill Prevention and Control – Discuss steps that will be taken in the event of a material spill (chemicals, concrete curing compounds, petroleum, etc.)
- Concrete Residuals and Washout Wastes – Discuss the location and type of concrete washout facilities to be used on this project and how they will be signed and maintained.
- Litter Management – Discuss how litter will be maintained for this project (education of employees, number of dumpsters, frequency of dumpster pick-up, etc.).
- Vehicle and Equipment Fueling – Identify equipment fueling locations for this project and what BMPs will be used to ensure containment and spill prevention.
- Vehicle and Equipment Cleaning and Maintenance – Identify where equipment cleaning and maintenance locations for this project and what BMPs will be used to ensure containment and spill prevention.
- Dewatering Activities – Identify the controls which will be used during dewatering operations to ensure sediments will not leave the construction site
- Polymer Flocculants and Treatment Chemicals – Identify the use and dosage of treatment chemicals and provide the Resident Engineer with Material Safety Data Sheets. Describe procedures on how the chemicals will be used and identify who will be responsible for the use and application of these chemicals. The selected individual must be trained on the established procedures.
- Additional measures indicated in the plan.

### III. Maintenance:

When requested by the Contractor, the Resident Engineer will provide general maintenance guides to the Contractor for the practices associated with this project. The following additional procedures will be used to maintain, in good and effective operating conditions, the vegetation, erosion and sediment control measures and other protective measures identified in this plan. It will be the Contractor's responsibility to attain maintenance guidelines for any manufactured BMPs which are to be installed and maintained per manufacturer's specifications.

### IV. Inspections:

Qualified personnel shall inspect disturbed areas of the construction site which have not yet been finally stabilized, structural control measures, and locations where vehicles and equipment enter and exit the site using IDOT Storm Water Pollution Prevention Plan Erosion Control Inspection Report (BC 2259). Such inspections shall be conducted at least once every seven (7) calendar days and within twenty-four (24) hours of the end of a storm or by the end of the following business or work day that is 0.5 inch or greater or equivalent snowfall.

Inspections may be reduced to once per month when construction activities have ceased due to frozen conditions. Weekly inspections will recommence when construction activities are conducted, or if there is 0.5' or greater rain event, or a discharge due to snowmelt occurs.

If any violation of the provisions of this plan is identified during the conduct of the construction work covered by this plan, the Resident Engineer shall notify the appropriate IEPA Field Operations Section office by email at [opa.swr@ncamp@illinois.gov](mailto:opa.swr@ncamp@illinois.gov), telephone or fax within twenty-four (24) hours of the incident. The Resident Engineer shall then complete and submit an "Incidence of Non-Compliance" (ION) report for the identified violation within five (5) days of the incident. The Resident Engineer shall use forms provided by IEPA and shall include specific information on the cause of noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance. All reports of non-compliance shall be signed by a responsible authority in accordance with Part VI, G of the Permit ILR10.

The Incidence of Non-Compliance shall be mailed to the following address:

Illinois Environmental Protection Agency  
Division of Water Pollution Control  
Attn: Compliance Assurance Section  
1021 North Grand East  
Post Office Box 19276  
Springfield, Illinois 62794-9276

Additional Inspections Required:

**V. Failure to Comply:**

Failure to comply with any provisions of this Storm Water Pollution Prevention Plan will result in the implementation of a National Pollutant Discharge Elimination System/Erosion and Sediment Control Deficiency Deduction against the Contractor and/or penalties under the Permit ILR10 which could be passed on to the Contractor.

## Appendix F

### Standard Details

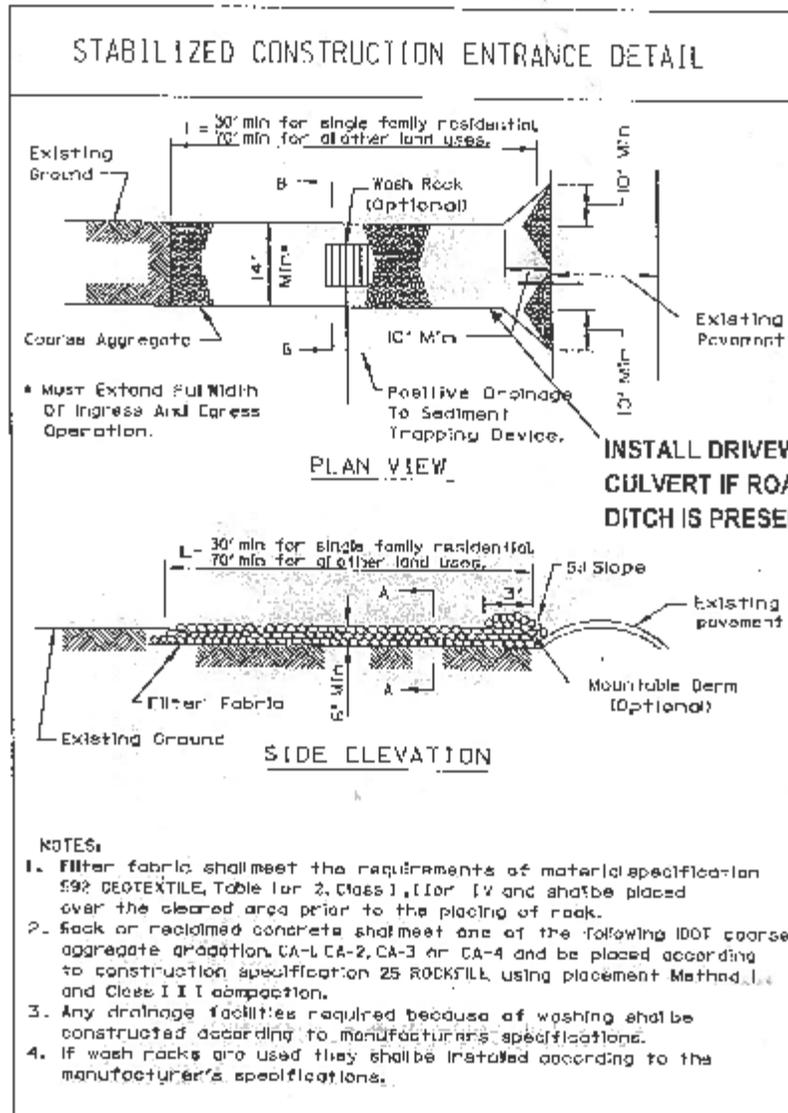
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(Note: Pamphlet versions of the Storm Water Management and Erosion Control Ordinance may be made available with only Appendix D or Appendix E and therein contain only the relevant details from Appendix F.)

STABILIZED LOT & CONSTRUCTION ENTRANCE

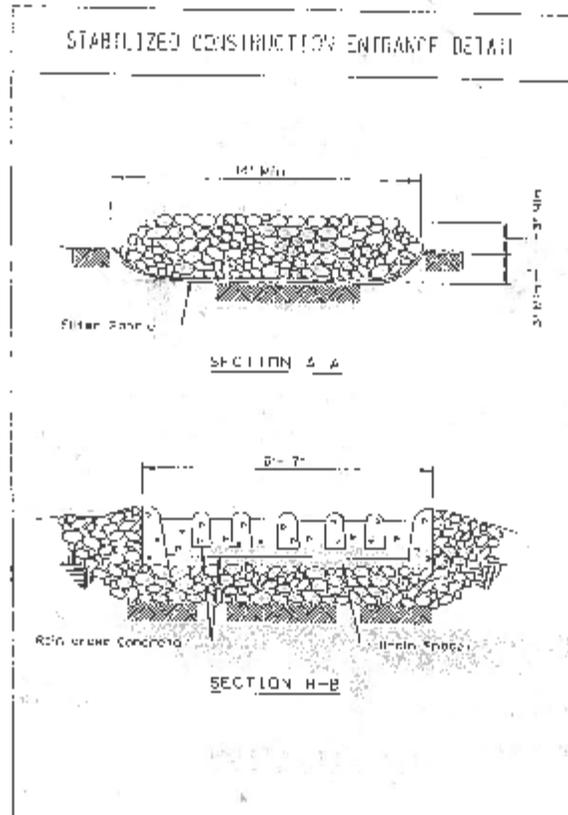
**SD1 STABILIZED LOT & CONSTRUCTION ENTRANCE**



SOURCE: MODIFIED ILLINOIS URBAN MANUAL

P-2

**SD1 STABILIZED LOT & CONSTRUCTION ENTRANCE** (continued)



**MAINTENANCE:**

- 1.) Inspect on a daily basis or as necessary.
- 2.) Immediately remove mud or sediment tracked onto road.
- 3.) Add additional stabilized material as necessary.

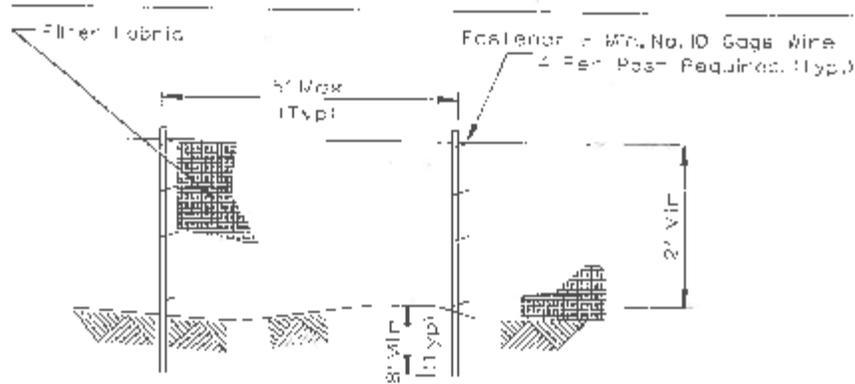
SOURCE: MODIFIED ILLINOIS URBAN MANUAL

F-3

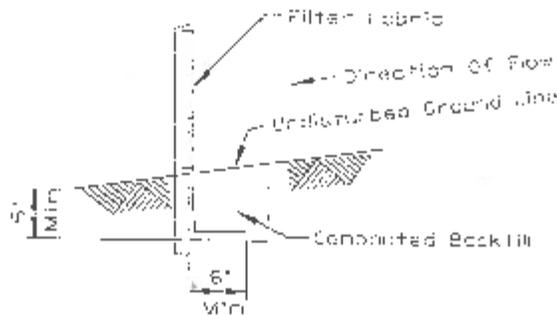
PERIMETER CONTROL

**SD2 SILT (SEDIMENT) FENCE**

PERIMETER BARRIER - SILT FENCE UL AL



ELEVATION



FABRIC ANCHOR DETAIL

NOTES:

1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table for 2, Class I with equivalent opening size of not less than 32 for nonwoven and 50 for woven.
3. Fence posts shall be either standard steelpost or wood post with a minimum cross sectional area of 3.0 sq. ft.

SOURCE: MODIFIED ILLINOIS URBAN MANUAL

F-4

**SD2 SILT (SEDIMENT) FENCE** (continued)

**INSTALLATION:**

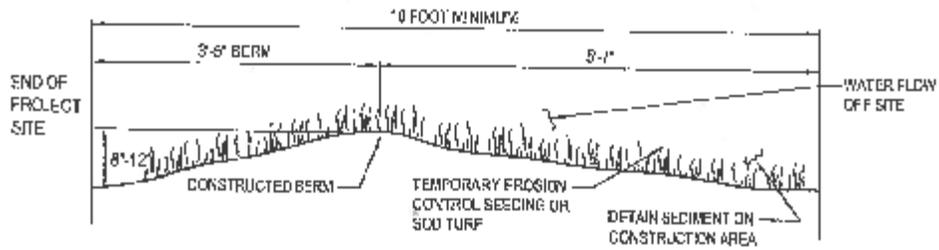
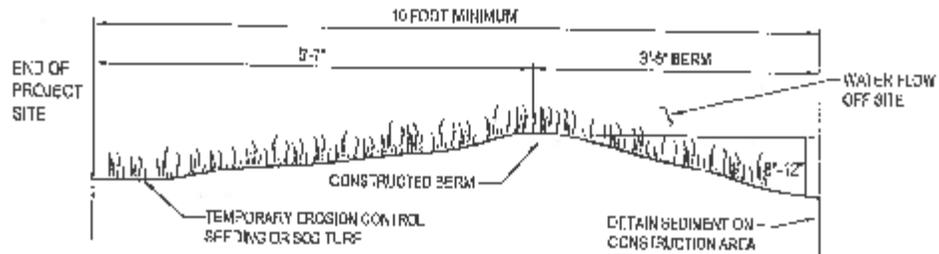
1. Silt fence shall be a minimum of 24 inches above the original ground surface and shall not exceed 36 inches above ground surface.
2. Excavate a trench approximately 6 inches wide and 6 inches deep on the upslope side of the proposed location of the fence. A slicing machine may be used in lieu of trenching.
3. Posts shall be placed a maximum of 5 feet apart. Fabric shall be fastened securely to the upslope side of posts using min. One-inch long, heavy-duty wire staples or tie wires. Eight inches of the fabric shall be extended into the trench. The fabric shall not be stapled to existing trees.
4. The 6 inch by 6 inch trench shall be backfilled and the soil compacted over the textile unless a slicing machine is used.

**MAINTENANCE:**

1. Inspect on a daily basis or as necessary.
2. Any damage shall be repaired immediately.
3. Sediment must be removed when it reaches 6 inches high on the fence.
4. If geotextile has deteriorated due to ultraviolet breakdown, it shall be replaced.
5. Silt fence shall be removed when it has served its useful purpose, but not before the upslope area has been permanently stabilized.

PERIMETER CONTROL

**SD3 GRASS BUFFER STRIP**



**NOTES**

SOURCE: STORM WATER MANAGEMENT HANDBOOK, 2000

E-6

**SD3 GRASS BUFFER STRIP** (continued)**DESCRIPTION:**

These are wide strips of undisturbed vegetation consisting of grass or other erosion resistant plants surrounding the disturbed site. They provide infiltration, intercept sediment and other pollutants, and reduce stormwater flow and velocity. They can also act as a screen for visual pollution and reduce construction noise.

**PLANNING CONSIDERATIONS:**

Grass strips should be fenced off prior to construction. Avoid storing debris from clearing and grubbing, and other construction waste material in these strips during construction.

**DESIGN CRITERIA:**

The minimum length of strip must be at least as long as the contributing runoff area. The minimum width should conform to Table below.

MINIMUM WIDTHS OF FILTER STRIPS

| SLOPE OF LAND % | WIDTH OF FILTER STRIP FOR GRASSED AREAS (FT) |
|-----------------|--|
| 0               | 10   |
| 2               | 12   |
| 4               | 14   |
| 6               | 16   |
| 8               | 18   |
| 10              | 20   |
| 15              | 25   |

**INSPECTION AND MAINTENANCE**

1. Maintain moist soil conditions immediately after seeding and/or sod installation.
2. Maintain moist soil conditions throughout vegetation establishment period.
3. Sediment deposits should be removed after each storm event.

SOURCE: STORM WATER MANAGEMENT HANDBOOK, 2000

F-7



**SD4 SUPER SILT (SEDIMENT) FENCE** (continued)

**INSTALLATION:**

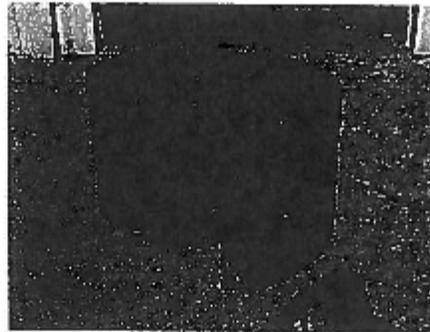
1. Silt fence shall be a minimum of 24 inches above the original ground surface and shall not exceed 36 inches above ground surface.
2. Excavate a trench approximately 6 inches wide and 6 inches deep on the upslope side of the proposed location of the fence. A slicing machine may be used in lieu of trenching.
3. Posts shall be placed a maximum of 5 feet apart. Fabric shall be fastened securely to the upslope side of posts using min. One-inch long, heavy-duty wire staples or tie wires. Eight inches of the fabric shall be extended into the trench. The fabric shall not be stapled to existing trees.
4. The 6 inch by 6 inch trench shall be backfilled and the soil compacted over the textile unless a slicing machine is used.

**MAINTENANCE:**

1. Inspect on a daily basis or as necessary.
2. Any damage shall be repaired immediately.
3. Sediment must be removed when it reaches 8 inches high on the fence.
4. If geotextile has deteriorated due to ultraviolet breakdown, it shall be replaced.
5. Silt fence shall be removed when it has served its useful purpose, but not before the upslope area has been permanently stabilized.

**SD5 WELDED WIRE INLET PROTECTOR**

**WELDED WIRE MONOFILAMENT INLET PROTECTORS**



**SPECIFICATIONS**

Description: Inlet protector shall consist of items (3) parts:

1. 36" wide geotextile fabric shall be Mira54 FF101. Mira54 FF101 is composed of high-strength monofilament polypropylene yarns, which are woven into a stable network such that the yarns retain their relative position. FF101 is known to biological degradation and resistance to naturally occurring chemicals, aldehydes, and acids.
2. 6" x 6" welded wire mesh monofilament composite shall be 30" roll formed and secured into a 42" maximum diameter circle.
3. Framing rings shall be constructed of wire conforming to ASTM A-641, A-829, A-370, and A-958.

**Assembly**

Geotextile shall be wrapped three inches over the top member of the 6" x 6" welded wire mesh and secured with framing rings at six inches on center. Geotextile shall be secured in the state of the welded wire mesh with framing ring at a spacing of one per square foot. The framing rings shall penetrate both layers of geotextile and securely close around a steel member.

**Geotextile**

| Mechanical/Physical Properties | Description/Minimum Average Roll Values | Test Method |
|--------------------------------|---|-------------|
| Structure                      | Woven Mono/Filament                     |             |
| Polymer                        | Polypropylene                           |             |
| UV Resistance (7000hrs)        | 10% Strength Retained                   | ASTM D4555  |
| Permeability                   | 15 Sec-1                                | ASTM D4491  |
| Flow Rate                      | 100 gpm/ft <sup>2</sup>                 | ASTM D4491  |
| Grab Tensile Strength (and)    | 130 lbs                                 | ASTM D4457  |
| AOCS (U.S. Sieve)              | 20                                      | ASTM D4751  |
| Minimum Burst Strength         | 115 psi                                 | ASTM D1786  |
| Color                          | Orange or Black                         |             |

**Welded Wire Mesh**

6" x 6" welded wire mesh shall be formed of 10 gauge steel conforming to ASTM A-101.

SLY FENCE FABRICATORS, LLC  
PHONE: (317) 888-9155

P.O. BOX 16

GREENWOOD, IN 47141  
Rev. 11/2005

**SD5 WELDED WIRE INLET PROTECTOR** (continued)

**MAINTENANCE:**

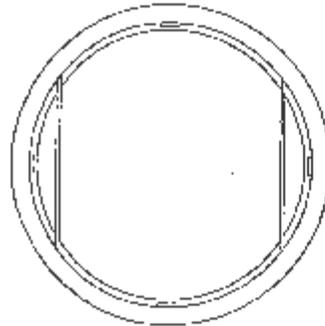
1. Excavate a trench approximately 6 inches wide and 6 inches deep the proposed location of the Inlet protector.
2. The 6 inch by 6 inch trench shall be backfilled and the soil compacted over the textile

**MAINTENANCE:**

1. Inspect on a daily basis or as necessary.
2. Any damage shall be repaired immediately.
3. Sediment must be removed when it reaches 6 inches high on the basket.
4. If geotextile has deteriorated due to ultraviolet broakdown, it shall be replaced.
5. Inlet protector shall be removed when it has served its useful purpose, but not before the upslope area has been permanently stabilized.

**SD6 INLET FILTER PROTECTOR**

**IPP INLET FILTERS**



GALVANIZED STEEL FRAME

IPF 100-215

IDOT Type 1 Round Inlet Filter Depicted

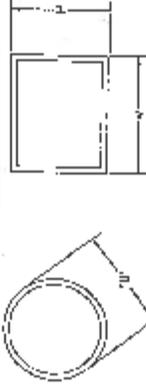
NOTE: Round and Square/Rectangular Inlet Filters Available for most Manholes and Eas. Jordan Boshies, Rock Curb and Curb Box Frame Types

STAINLESS STEEL LOCKING RING

OVERFLOW FEATURE

SECTIONAL FILTER RING WITH 2-1/4" DRILL POLYESTER OUTER PESP

**INLET FILTER SPECIFICATION**



Note: Inlet Filters are slightly smaller than the inlet grate sizes. When identifying or specifying filters/castings please refer to the diameter "D" or width "W" and height "H" of filter frames or casting grates. You may also refer to our casting cross reference guide for IDOT standards.

All Products Manufactured by Inlet & Pipe Protection, Inc  
[www.inletfilters.com](http://www.inletfilters.com)  
 (847) 722-0890 ph  
 (847) 364-5282 fx  
[sales@inletfilters.com](mailto:sales@inletfilters.com)

**™ Certification: All IPP Inlet Filters conform to IDOT Specifications as outlined in Article 1081.15 of IDOT's Standard Specifications Guide**

**SDS INLET FILTER PROTECTOR** (continued)

**THE FOLLOWING PRODUCTS ARE  
APPROVED FOR INLET PROTECTION**

**IPP INLET FILTERS**

3535 Stackinghay  
Naperville, IL 60564  
847-722-0690 Telephone  
847-364-5282 Fax

[www.inletfilters.com](http://www.inletfilters.com)

**CATCH-ALL INLET PROTECTOR  
MARATHON MATERIALS, INC.**

25523 WEST SCHULTZ STREET  
PLAINFIELD, ILLINOIS 60544  
(630) 983-9494 Tel  
(800) 983-9493 Toll Free  
(630) 983-9580 Fax

[www.marathonmaterials.com](http://www.marathonmaterials.com)

**OTHER PRODUCTS CAN BE SUBMITTED  
FOR REVIEW AND APPROVAL**

## INLET PROTECTION

### **SD6 INLET FILTER PROTECTOR** (continued)

#### **INSTALLATION:**

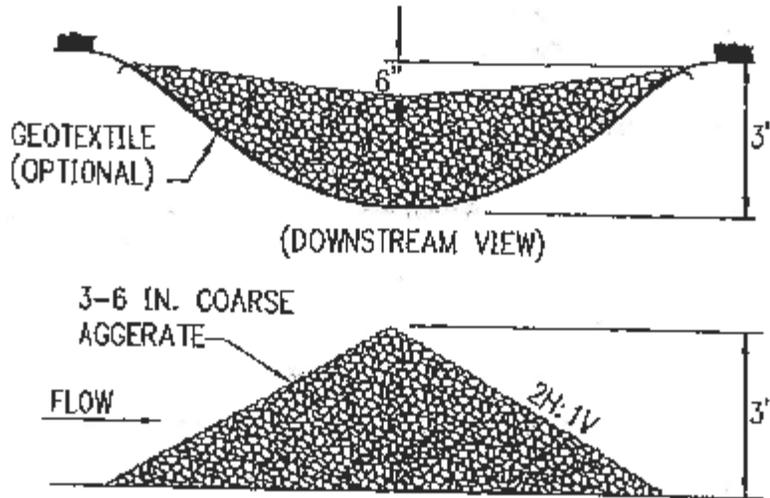
All inlet filter protectors shall be installed in accordance with manufacturer's instructions.

#### **MAINTENANCE**

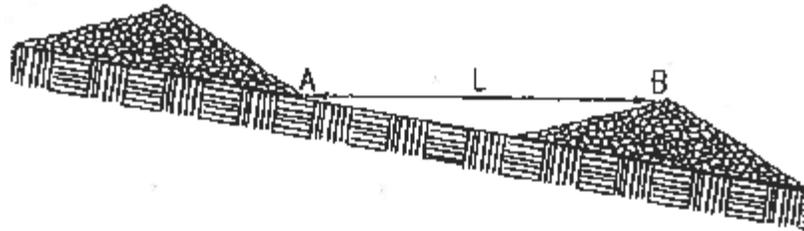
1. Inspect on a daily basis or as necessary.
2. Any damage to products shall be repaired immediately.
3. Sediment must be removed when it reaches 1/3 the height of the product.
4. Inlet protection shall be removed when it has served its useful purpose, but not before upslope area has been permanently stabilized.

CONCENTRATED FLOW CONTROLS

**SD7 ROCK CHECK DAM**



**SPACING BETWEEN CHECK DAMS:**



L = DISTANCE SUCH THAT POINTS  
A AND B ARE OF EQUAL ELEVATION.

SOURCE: MODIFIED ILLINOIS URBAN MANUAL

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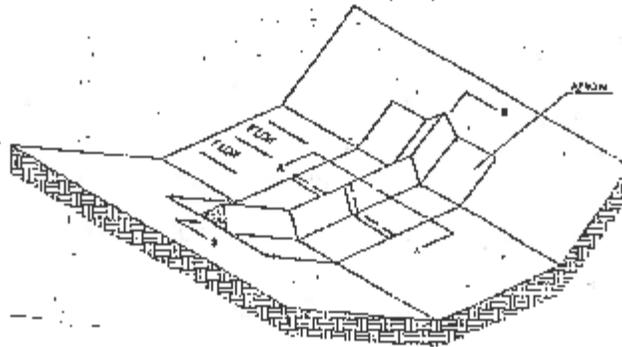
**SD7 ROCK CHECK DAM** (continued)

**NOTES:**

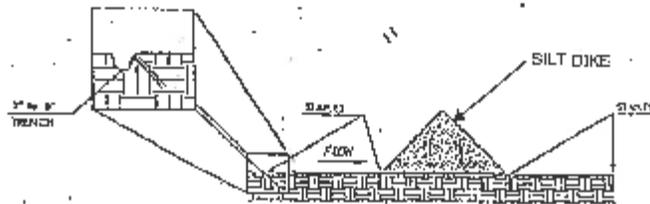
1. The maximum height of the dam shall be 3.0 feet.
2. The center of the check dam must be at least 6 inches lower than the outer edges.
3. For added stability, the base of the check dam can be keyed into the soil approximately 6 inches.
4. The dams should be spaced so the toe of the upstream dam is at the same elevation as the top of the downstream dam.
5. Stone should be placed according to the detail. Hand or Mechanical placement will be necessary to achieve complete coverage of the ditch or swale and to ensure that the center of the dam is lower than the edges.
6. Geotextile may be used under the stone to provide a stable foundation and to facilitate removal of the stone.
7. Check dams should be inspected for sediment accumulation after each runoff producing storm event. Sediment should be removed when it reaches half of the original height of the measure.
8. Regular inspection should be made to ensure that the center of the dam is lower than the edges. Erosion caused by high flows around the edges of the dam should be corrected immediately.

**SD8 TRIANGULAR SILT DIKE**

TRIANGULAR SILT DIKE INSTALLATION  
FOR  
ROADWAY DITCH OR DRAINAGE DITCH

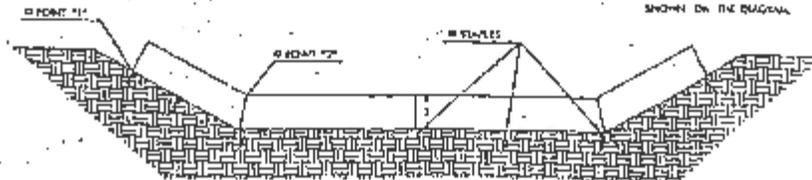


SILT DIKE UNIT  
CUT SECTION



DETAIL A-A

• STAPLES SHALL BE PLACED UNDER  
THE UNITS OVERLAP AND IN THE  
CENTER OF THE 3' UNIT AS  
SHOWN ON THE DIAGRAM.



POINT 1 MUST BE HIGHER THAN POINT 2 TO  
ENSURE THAT WATER FLOWS OVER THE DIKE  
AND NOT AROUND THE ENDS.

DIKE SECTION  
DETAIL B-B

**SD8 TRIANGULAR SILT DIKE** (continued)

**INSTALLATION:**

1. Excavate a trench approximately 3-6 inches wide and 3-6 inches deep on the upslope side of the proposed location of the dike.
2. The 3-6 inch by 3-6 inch trench shall be backfilled and the soil compacted over the textile .

**MAINTENANCE:**

1. Inspect on a daily basis or as necessary.
2. Any damage shall be repaired immediately.
3. Sediment must be removed when it reaches 6 inches high on the dike.
4. If geotextile has deteriorated due to ultraviolet breakdown, it shall be replaced.
5. Dike shall be removed when it has served its useful purpose, but not before the upslope area has been permanently stabilized.

**SD9 DIVERSION BERM**

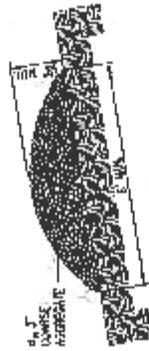
TEMPORARY RIGHT-OF-WAY DIVERSIONS



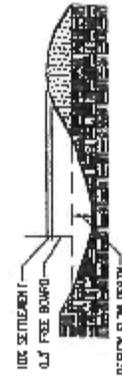
DIVERSIONS



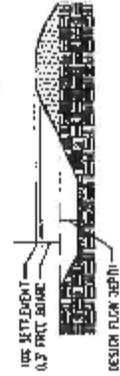
TEMPORARY BELL DIVERSION  
NOT TO SCALE



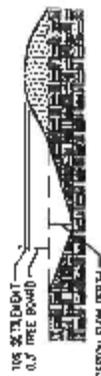
TEMPORARY DIVERSION DAMS  
NOT TO SCALE



TYPICAL PARABOLIC DIVERSION



TYPICAL TRANSITIONAL DIVERSION



TYPICAL VEE-SHAPED DIVERSION

TEMPORARY FILL DIVERSION NOTES:

1. THE DIVERSION SHALL BE CONSTRUCTED AT THE TOP OF THE FILL AT THE END OF EACH WORK DAY AS NEEDED.
2. THE DIVERSION SHALL BE LOCATED AT LEAST 2 FEET INSIDE THE 10% EDGE OF THE FILL. FILLS SHALL BE CONSTRUCTED WITH A MINIMUM HEIGHT AS SHOWN IN FIGURE 15.2.1. 3'-0\"/>

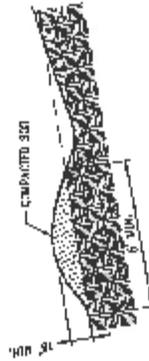
RIGHT-OF-WAY DIVERSION DETAIL NOTES:

1. THE DIVERSION SHALL BE INSTALLED AS SEEN AS THE RIGHT-OF-WAY HAS BEEN CLEARED AND TOP GRADED.
2. ALL EARTHWORK DIVERSIONS SHALL BE MACHINE- OR HAND-COMPACTED IN 6-INCH LIFTS.
3. THE CURB IN THE DIVERSION SHALL BE LOCATED ON AN UNSETTLED AND STABILIZED AREA WHEN, IF AT ALL POSSIBLE, THE FILL LOCATION SHOULD BE ADJUSTED AS NEEDED TO PROVIDE A STABILIZED OUTLET.
4. EARTHWORK DIVERSIONS MUST BE CONSTRUCTED WITH THE SAME CONSTRUCTION PRACTICES AS THE MAIN ROADWAY AND MUST BE MAINTAINED WITH TEMPORARY BERMING.

DIVERSION DETAIL NOTES:

1. ALL TYPES, BE USE, STIFFNESS, GEOMETRIC AND OTHER OBJECTIVE MEASURES SHALL BE PROVIDED TO THE DIVERSION AS REQUIRED TO PREVENT THE PROPER FUNCTIONING OF THE DIVERSION.
2. THE DIVERSION SHALL BE CONSTRUCTED TO MEET THE CRITERIA SPECIFIED HEREIN. FREE OF OBSTRUCTIONS WHICH WILL IMPAIR FLOW.
3. FILLS SHALL BE COMPACTED AS NEEDED TO PREVENT FURTHER SETTLEMENT THAT WOULD CAUSE DAMAGE TO THE COMPLETE DIVERSION. FILL SHALL BE COMPRESSED TO A MINIMUM OF 95% RELATIVE COMPACTION.
4. ALL EARTHWORK SHALL BE NEEDED TO CORRECT SETTLEMENT SHALL BE SPREAD OR RECOMPACTED TO THE FULL WIDTH OF THE DIVERSION.
5. TEMPORARY STABILIZATION OF DISTURBED AREAS SHALL BE DONE IN ACCORDANCE WITH SECTION 215.

TYPICAL GRAVEL STRUCTURE



TYPICAL EARTHEN STRUCTURE

TEMPORARY DIVERSION DIKE NOTES:

1. TEMPORARY DIVERSION DIKES MUST BE INSTALLED AS A FIRST STEP IN THE LAND-USE/PLANNING ACTIVITY AND MUST BE REMOVED PRIOR TO PERMANENT DISTURBANCE.
2. THE DIKE SHOULD BE ADEQUATELY COMPACTED TO PREVENT FAILURE.
3. TEMPORARY DIVERSION DIKES SHALL BE APPLIED TO THE DIKE.
4. THE DIKE SHOULD BE LOCATED TO MINIMIZE DAMAGES BY CONSTRUCTION OPERATIONS.

SOURCE: A.P.W.A. KANSAS CITY METRO CHAPTER



**SD10 TURF REINFORCEMENT MAT (continued)**

**TURF REINFORCEMENT MAT CHANNEL INSTALLATION NOTES:**

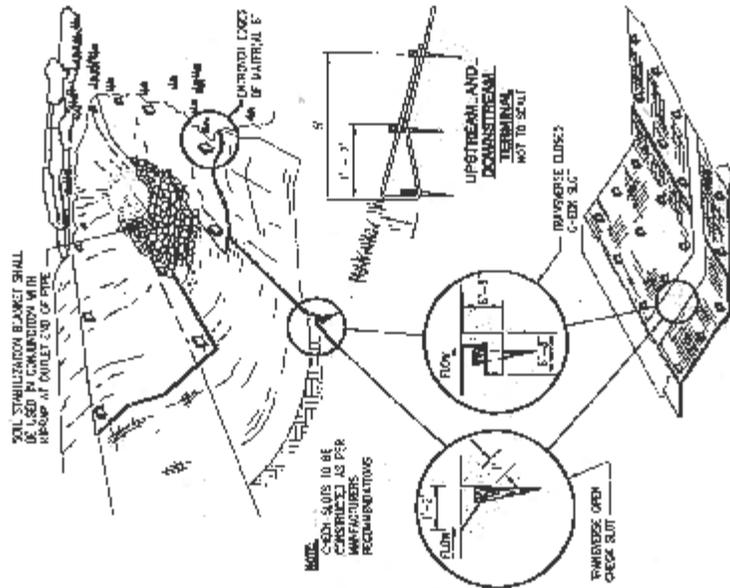
**A) TURF REINFORCEMENT MAT:**

1. THE WEIGHT OF THESE PRODUCTS PROVIDE A TIGHT OVERLAP, CONSISTENT WITH A 20% OVERLAP OF A NON-ORIENTED POLYPROPYLENE OR SIMILARLY ORIENTED MANUFACTURE, FORMING A MAT. THESE PRODUCTS, WHICH ARE 30 IN. WIDE, 100% BIODEGRADABLE, ARE DESIGNED TO BE PLACED TO THE SURFACE TO ENHANCE EROSION AND PROVIDE "PERMANENT ROOT REINFORCEMENT." THE THREE DIMENSIONAL FEATURE CREATES AN OPEN SPACE WHICH IS ALLOWED TO FALL WITH SOIL. THE ROOTS OF THE GRASS PLANT BECOME ENTANGLED WITHIN THE MAT FIBER, FORMING A STRENGTHENED ROOT AND MAT SYSTEM, AS THE GRASS BECOMES ESTABLISHED, THE TWO ACTUAL "WEEDPROOF" EACH OTHER, PREVENTING MOVEMENT OR CHANGE TO THE SOIL. ALLOWABLE VELOCITIES ARE INCREASED CONSIDERABLY OVER NATURAL TURF STANDS. SELECTION OF THE APPROPRIATE MATS SHOULD BE MADE WITH PROPER INSTALLATION BEING CRITICAL FACTORS. EVALUATION OF PERFORMANCE DATA TO DETERMINE SOIL LOSS FROM SOIL TYPE, SLOPE, MATTING, LIFE CYCLE, ESSENTIAL. ALWAYS USE MANUFACTURER'S CLAIM. THE PRODUCTS MAY BE USED IN ASSOCIATION WITH OTHER CHANNEL VELOCITIES OF UP TO 20 F.T./SEC. FOR SHORT PERIODS OF TIME, IT IS RECOMMENDED THAT NOT VELOCITIES NOT EXCEED TO 17 F.T./SEC. BE PROPERLY ADVISED WITH SOME FORM OF STRUCTURAL LINING.

**B) INSTALLATION REQUIREMENTS:**

1. **SITE PREPARATION:**  
 AFTER SITE HAS BEEN CHAINED AND GRADED TO APPROVED DESIGN, MEASURE A (MINIMUM) 100' X 100' RELATIVELY FREE FROM CLUMPS AND ROCKS MORE THAN 1/4" IN DIAMETER, AND ANY FOREIGN MATERIAL THAT WILL PREVENT CONTACT OF THE SOIL STABILIZATION MAT WITH THE SOIL SURFACE. IF NECESSARY, REDIRECT ANY RUNOFF AWAY FROM THE EDGE OF SLOPE DURING INSTALLATION.
2. **LANDING AND STORING:**  
 THE MATERIALS SHOULD BE STORED IN ACCORDANCE WITH THE APPROVED PLAN. PROVIDE SPECIAL ATTENTION TO THE PLACING OF THE MATS. THE MATS SHOULD BE STORED IN A DRY AREA, PROTECTED FROM THE ELEMENTS. THE MATS SHOULD BE STORED IN A DRY AREA, PROTECTED FROM THE ELEMENTS. THE MATS SHOULD BE STORED IN A DRY AREA, PROTECTED FROM THE ELEMENTS.
3. **LACING AND STORING:**  
 SIMILAR TO INSTALLING OTHER LINING, DURING LAYING OF MATS, PROVIDE APPROVED MANUFACTURER'S RECOMMENDATIONS FOR THE MATS. THE MATS SHOULD BE STORED IN A DRY AREA, PROTECTED FROM THE ELEMENTS.
4. **CHECK SLOPE:**  
 BLANKET MANUFACTURERS VARY SIGNIFICANTLY IN THEIR CHECK SLOPE REQUIREMENTS. SIMILAR TO THE INSTALLATION OF OTHER BLANKETS, A CHECK SLOPE MAY BE REQUIRED WHEN LAYING TURF REINFORCEMENT MAT TO CORRECT THE FLOW OF WATER IF IT HAS THE INTENTION TO "ANCHOR" THE BLANKET. MOST AUTHORITIES REQUIRE THAT THE SLOPE OF THE BLANKET ALSO BE DETERMINED, CREATING A SLOPE SLOPE FOR THE MATERIAL TO REST ON, PREVENTING WATER FROM DRIPPING UNDER THE BLANKET ON THE SLOPE.
5. **DESIGNING THE MATS AND MANUFACTURER'S RECOMMENDATIONS:**  
 AGAIN, PROVIDE SPECIAL ATTENTION TO THE APPROVED PLAN. PROVIDE SPECIAL ATTENTION TO THE PLACING OF THE MATS. THE MATS SHOULD BE STORED IN A DRY AREA, PROTECTED FROM THE ELEMENTS.
6. **FINAL DESIGN:**  
 THESE INSTALLATION REQUIREMENTS MUST BE OBSERVED IN:  
 a. ON THE STABILIZATION BLANKET MATS.  
 b. ALL REQUIRED SLOPE AND LAPPING DETAILS.  
 c. THE MATS IN PLACE.  
 d. ALL ITS MANUFACTURER'S RECOMMENDATIONS.

**TURF REINFORCEMENT MAT INSTALLATION IN A CHANNEL:**

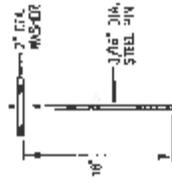


SOURCE: A.P.W.A. KANSAS CITY METRO CHAPTER

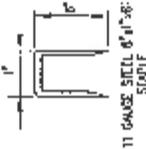
**SD10 TURF REINFORCEMENT MAT (continued)**

**STAKES, STAPLES, AND PINS NOTES**  
**A) GENERAL NOTES:**

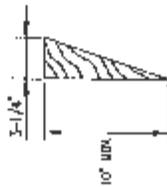
1. 1/4" TRIANGULAR SURVEY STAKE - 10" HIGH 10" IN LENGTH. PLACEMENT OF THE STAKE ACROSS THE FLOW OF THE WATER IS THOUGHT TO PROVIDE A "PINBALL EFFECT" TO HELP SLOW THE VELOCITY.
2. 1. DRAKE STEEL - MINIMUM 1/2" WIDE 6" IN LENGTH STEEL STAPLE - 1/8" STAPLE MAY BE REQUIRED IN CERTAIN SOIL CONDITIONS.
3. STEEL PINS - 3/16" DIAMETER STEEL PIN BY 18" IN LENGTH WITH A 2" DIAMETER WASHER ON TOP. (SEE ILLUSTRATION).
4. STAPLES OR ANCHORING DEVICES AND RECOMMENDATIONS VARY BY MANUFACTURERS. THE EXPECTATIONS OF HIGH VELOCITIES SHOULD EXCEED 50 LBS. OF FORCE SUBSTANTIAL ANCHORING.



**3. PIN**  
 SEE NOTE 3



**2. STAPLE**  
 SEE NOTE 2

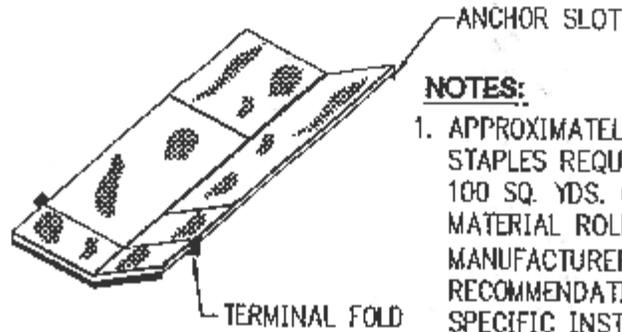


**1. STAKE**  
 SEE NOTE 1

**STAKES, STAPLES, AND PINS  
 FOR INSTALLATION OF  
 ROLLED EROSION CONTROL PRODUCTS  
 NOT TO SCALE**

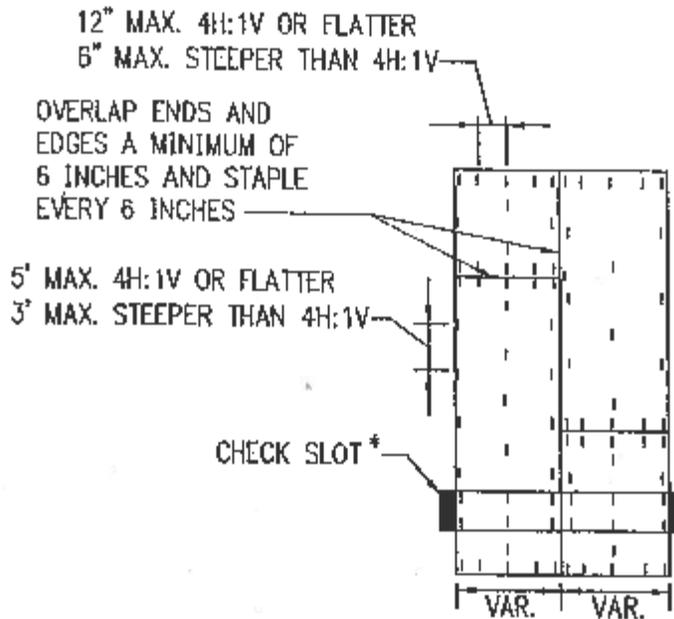
SOURCE: A.P.W.A. KANSAS CITY METRO CHAPTER

**SD11 EROSION CONTROL BLANKET**



**NOTES:**

1. APPROXIMATELY 200 STAPLES REQUIRED PER 100 SQ. YDS. OF MATERIAL ROLL. CHECK MANUFACTURER'S RECOMMENDATIONS FOR SPECIFIC INSTALLATION AND STAPLING REQUIREMENTS.



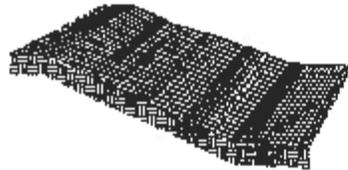
**PLAN VIEW  
STAPLING DIAGRAM:**

\* CHECK SLOTS AT MIN. 50' INTERVALS; NOT REQ'D WITH ALL "COMBINATION" BLANKETS.

**SD11 EROSION CONTROL BLANKET** (continued)

**TYPICAL ORIENTATION**

**SHALLOW SLOPE:**



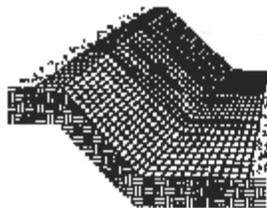
ON SHALLOW SLOPES, STRIPS OF PROTECTIVE COVERINGS MAY BE APPLIED PARALLEL TO DIRECTION OF FLOW.

**BERM:**



WHERE THERE IS A BERM AT THE TOP OF THE SLOPE, BRING THE MATERIAL OVER THE BERM AND ANCHOR IT BEHIND THE BERM.

**STEEP SLOPE:**



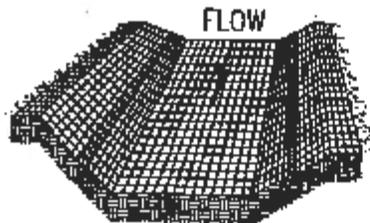
ON STEEP SLOPES, APPLY PROTECTIVE COVERING PERPENDICULAR TO THE DIRECTION OF FLOW AND ANCHOR SECURELY.

**STEEP SLOPE:**



BRING MATERIAL DOWN TO A LEVEL AREA BEFORE TERMINATING INSTALLATION. TURN THE END UNDER 4" AND STAPLE AT 12" INTERVALS.

**DITCH:**



IN DITCHES, APPLY PROTECTIVE COVERING PARALLEL TO THE DIRECTION OF FLOW. AVOID JOINING MATERIAL IN THE CENTER OF THE DITCH IF AT ALL POSSIBLE.

**SD11 EROSION CONTROL BLANKET** (continued)

**LAYING AND STAPLING:**

Place the erosion control blanket on a friable seedbed free of clods, rocks, and roots that might impede good contact.

1. Start placing the protective covering from the top of the channel or slope and unroll down-grade.
2. Allow to rest loosely on soil; do not stretch.
3. Upslope ends of the protective covering should be buried in an anchor slot no less than 6 inches deep. Tamp earth firmly over the material. Staple the material at a minimum of every 12 inches across the top end.
4. Edges of the material shall be stapled every 3 feet. The multiple widths are placed side by side, the adjacent edges shall be overlapped a minimum of 6 inches and stapled together. Staples shall be placed down the center, staggered with the edges at 3 foot intervals.

**NOTE:**

Study manufacturer's recommendations and site conditions for correct installation and stapling of product.

**SD11 EROSION CONTROL BLANKET** (continued)

**JOINING PROTECTIVE COVERINGS:**

Insert a new roll of material into an anchor slot as with upslope ends. Overlap the end of the previous roll a minimum of 12 inches, and staple across the end of the roll just below the anchor slot and across the material every 12 inches.

**TERMINAL END:**

Where the material is discontinued or where the ends under 4 inches, and staple across end every 12 inches.

**AT BOTTOM OF SLOPES:**

Roll onto a level surface before anchoring, turn ends under 4 inches, and staple across end every 12 inches.

**FINAL CHECK:**

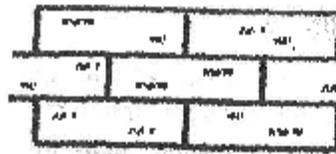
These installation criteria must be met:

1. Protective blanket is in uniform contact with the soil.
2. All lap joints are secure.
3. All staples are driven flush with the ground.
4. All disturbed areas have been seeded.

**MAINTENANCE:**

All soil stabilization blankets and matting should be inspected periodically following installation, particularly after storms, to check for erosion and undermining. Any dislocation or failure should be repaired immediately. If washouts or breakage occurs, reinstall the material after repairing damage to the slope or ditch. Continue to monitor these areas until they become permanently stabilized; at that time an annual inspection should be adequate.

**SD12 SODDING**



INCORRECT



CORRECT

**NOTE:**

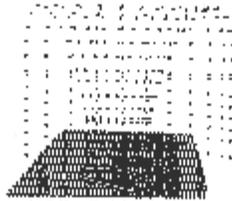
LAY SOD IN A STAGGERED PATTERN. BUTT THE STRIPS TIGHTLY AGAINST EACH OTHER. DO NOT LEAVE SPACES AND DO NOT OVERLAP. A SHARPENED MASON'S TROWEL IS A HANDY TOOL FOR TUCKING DOWN THE ENDS AND TRIMMING PIECES.

**BUTTING:**

ANGLED ENDS CAUSED BY THE AUTOMATIC SOD CUTTER MUST BE MATCHED CORRECTLY.



ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL.

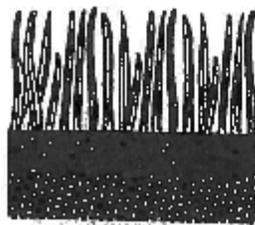


WATER SOD TO A DEPTH OF 4" AS NEEDED. WATER WELL AS SOON AS THE SOD IS INSTALLED.



MOW WHEN THE SOD IS ESTABLISHED - IN 2-3 WEEKS. SET THE MOWER HEIGHT AT 2"-3".

**APPEARANCE OF GOOD SOD:**



**SHOOTS:**

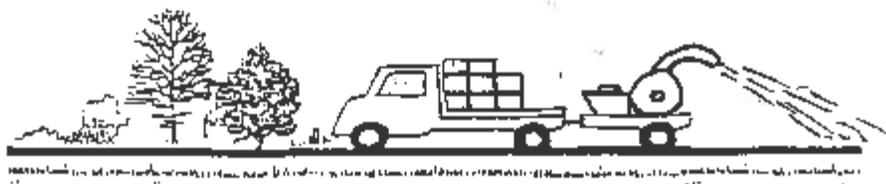
GRASS SHOULD BE GREEN AND HEALTHY, MOWED AT A 2"-3" CUTTING HEIGHT.

**THATCH:**

GRASS CLIPPINGS AND DEAD LEAVES UP TO 1/2" THICK.

**ROOT ZONE:**

SOIL AND ROOTS SHOULD BE 1/2" - 3/4" THICK WITH DENSE ROOT MAT FOR STRENGTH.

**SD12 MULCHING****DEFINITION**

The application of plant residues and other suitable materials to the soil surface.

**PURPOSE**

The purpose of this practice is as follows:

1. To prevent erosion and prevent surface compaction or crusting by protecting the soil surface from raindrop impact and reducing the velocity of overland flow.
2. To foster the growth of vegetation by conserving available moisture and providing insulation against extreme heat and cold.
3. To improve the aesthetics of the site.
4. To control weeds.

**CONDITIONS WHERE PRACTICE APPLIES****Temporary Mulches:**

1. Areas that have been seeded to provide a temporary or permanent seeding.
2. Areas that cannot be seeded because of the season of the year and need for soil surface protection.
3. For mud and dust control.
4. Provide protection during periods when construction or seeding cannot be done.

**Permanent Mulches:**

1. Used together with planting trees, shrubs, and other ground covers which do not provide adequate soil stabilization.
2. Used in lieu of vegetative planting for ornamental reasons or because the site is not suitable for vegetation.

**CRITERIA**

A. The choice of materials will be based on the type of soil to be protected, season and economics.

**B. Prior to Application**

1. Shape and grade as required, the waterway, channel, slope, or other area to be protected.
2. Remove all rocks, clods, or debris larger than 2 inches in diameter that will prevent contact between the mulch and the soil surface.
3. When open-weave nets are used, lime, fertilizer, and seed may be applied either before or after laying the net. When excelsior matting is used, these materials must be applied before the mat is laid.

**C. Time of Application**

1. Immediately after seeding or planting by conventional method or hydroseeding. Can be applied with seeding as hydromulching.

SOURCE: ILLINOIS URBAN MANUAL

**SD12 MULCHING** (continued)

2. Immediately after seedbed preparation when dormant seedings are to be made by seeding over the mulch.

3. When temporary erosion control is to be attained, mulch may be applied any time soil and site conditions are suitable for spreading and anchoring.

D. Application: Mulch materials shall be spread uniformly, by hand or machine. When spreading straw mulch by hand, divide the area to be mulched into approximately 1,000 sq. ft. sections and place approximately 90 lbs. of straw in each section to facilitate uniform distribution.

E. Mulch Anchoring: Straw mulch shall be anchored immediately after spreading to prevent windblow. One of the following methods of anchoring straw shall be used:

1. Mulch anchoring tool: This is a tractor-drawn implement (mulch crimper, serrated straight disk, or dull farm disk) designed to punch mulch approximately 2 inches into the soil surface. This method provides maximum erosion control with straw. It is limited to use on slopes no steeper than 3:1, where equipment can operate safely. Machinery shall be operated on the contour.

2. Liquid mulch binders: Application of liquid mulch binders and tackifiers should be heaviest at edges of areas and at crests of ridges and banks, to prevent windblow. The remainder of the area should have binder applied uniformly. Binders may be applied after mulch is spread; however, it is recommended to be sprayed into the mulch as it is being blown onto the soil. Applying straw and binder together is the most effective method.

The following types of binders may be used:

a. Asphalt--Any type of asphalt thin enough to be blown from spray equipment is satisfactory. Recommended for use are rapid curing (RC-70, RC-250, RC-800), medium curing (MC-250, MC-800) and

emulsified asphalt (SS-1, MS-2, RS-1, and RS-2).

b. Synthetic binders--Chemical binders may be used as recommended by the manufacturer to anchor mulch. These are expensive, and therefore, usually used in small areas or in residential areas where asphalt may be a problem.

c. Wood Fiber--Wood fiber hydroseeder slurries may be used to tack straw mulch. This combination treatment is well suited to steep slopes and critical areas, and severe climate conditions.

3. Mulch nettings--Lightweight, degradable, plastic, polyester, or paper nets may be stapled over the mulch according to manufacturer's recommendations.

4. Peg and twine--Because it is labor-intensive, this method is feasible only in small areas where other methods cannot be used. Drive 8 to 10-inch wooden pegs to within 3 inches of the soil surface, every 4 feet in all directions. Stakes may be driven before or after straw is spread. Secure mulch by stretching twine between pegs in a criss-cross-within-a-square pattern. Turn twine 2 or more times around each peg.

Chemical Mulches - Chemical mulches may be used alone only in the following situations:

1. Where no other mulching material is available.
2. In conjunction with temporary seeding during the times when mulch is not required for that practice.

Note: Chemical mulches may be used to bind other mulches or with wood fiber in a hydroseeded slurry at any time. Manufacturer's recommendations for application of chemical mulches shall be followed.

Nets and Mats - Nets may be used alone on level areas, on slopes no steeper than 3:1, and in waterways.

When mulching is done in late fall or during June, July, and August, or where soil is highly erodible, nets

## SOIL STABILIZATION

### **SD12 MULCHING** (continued)

should only be used in conjunction with an organic mulch such as straw.

When nets and organic mulch are used together, the net should be installed over the mulch except when the mulch is wood fiber. Wood fiber may be sprayed on top of the installed net.

Excelsior blankets are considered protective mulches and may be used alone on erodible soils and during all times of year.

Other products designed to control erosion shall conform to manufacturer's specification and should be applied in accordance with manufacturer's instructions provided those instructions are at least as stringent as this specification.

#### Laying the Net:

1. Start laying net from top of channel or top of slope and unroll down-grade. Always lay netting in the direction of water flow.
2. Allow to lay loosely on soil--do not stretch.
3. To secure net: Upslope ends of net should be buried in a slot or trench no less than 6 inches deep. Tamp earth firmly over net. Staple the net every 12 inches across the top end. Edges of net shall be stapled every 3 feet. Where 2 strips of net are laid side by side, the adjacent edges shall be overlapped 3 inches and stapled together.

Staples will be made of plain iron wire, No. 8 gauge or heavier, and will be 6 inches or more in length. Staples shall be placed down the center of net strips at 3-foot intervals. DO NOT STRETCH net when applying staples.

Joining strips: Insert new roll of net in trench, as with upslope ends of net. Overlap the end of the previous roll 18 inches, turn under 6 inches, and staple across end of roll just below anchor slot and at the end of the turned-under net every 12 inches.

At bottom of slopes: Extend net out onto a level area before anchoring.

Turn ends under 6 inches, and staple across end every 12 inches.

Check slots: On highly erodible soils and on slopes steeper than 4:1, erosion check slots should be made every 15 feet. Insert a fold of net into a 6-inch trench and tamp firmly. Staple at 12-inch intervals across the downstream portion of the net.

Rolling: After installation, stapling, and seeding, the net should be rolled to ensure firm contact between net and soil.

### **CONSIDERATIONS**

1. A surface mulch is one of the most effective means of controlling runoff and erosion on disturbed lands.
2. The choice of materials for mulching shall be based on the type of soil to be protected, site conditions, season, and economics.
3. Organic mulch materials such as straw, wood chips, bark, and wood fiber have been found to be the most effective.
4. Chemical soil stabilizers or soil binders are not effective mulches when used alone. These materials are useful to bind organic mulches together.
5. A variety of mulch nets, mats, or blankets are available to use as mulching or to hold the mulch in place. Netting and mats are especially helpful on critical areas such as waterways.

#### Organic Mulches:

**Straw** - The mulch most commonly used in conjunction with seeding. The recommended straw should come from oats, wheat, rye or barley, and may be spread by hand or machine. Straw can be windblown and should be anchored to stay in place.

**Wood Chips** - Suitable for areas that will not be closely mowed, and around ornamental plantings. Chips decompose slowly and do not require tacking. They should be treated with 12 pounds nitrogen per ton to prevent nutrient deficiency in plants. They also

SOURCE: ILLINOIS URBAN MANUAL

**SD12 MULCHING** (continued)

can be a very inexpensive mulch if obtained from trees cleared on the site.

Bark Chips, Shredded Bark - By-products of timber processing. They are often used in landscaped plantings. Bark is also a suitable mulch for areas planted to grasses and not closely mowed; and may be applied by hand or mechanically. Bark is not usually toxic to grasses or legumes, and additional nitrogen fertilizer is not required.

There are other organic materials which make excellent mulches but are only available locally or seasonally. Creative use of these materials can reduce costs.

**Chemical Mulches and Soil Binders:**

A wide range of synthetic, spray-on materials are marketed to stabilize and protect the soil surface. These are emulsions or dispersions of vinyl compounds, asphalt, rubber, or other substances which are mixed with water and applied to the soil. They may be used alone or may be used to tack wood fiber hydromulches or straw.

When used alone, chemical mulches do not have the capability to insulate the soil or retain soil moisture that organic mulches have. This soil protection is also damaged by traffic. Application of these mulches is usually more expensive than organic mulching, and the mulches decompose in 60-90 days.

**Nets and Mats:**

When used alone, netting does not retain soil moisture or modify soil temperature. It stabilizes the soil surface while grasses are being established, and is useful in grassed waterways and on slopes. Light netting may also be used to hold other mulches in place.

The most critical aspect of installing nets and mats is obtaining firm, continuous contact between the material and the soil. Without such contact, the material is useless and erosion occurs. It is important to use an adequate number of staples and to

roll the material after laying it to ensure that the soil is protected.

Aggregate Cover - Gravel and crushed stone provide a long term protection against erosion, particularly on short slopes. Before the gravel or crushed stone is applied it should be washed. If vegetation is not desired, black polyethylene sheeting should be placed on the ground first to prevent seed germination and growth through the aggregate cover.

**PLANS AND SPECIFICATIONS**

Plans and specifications for applying mulch shall be in keeping with this standard and shall describe the requirements for applying the practice. Include the following items:

1. Materials to be used.
2. How mulch will be anchored.
3. Location of different materials if more than one material is used on the site.

**OPERATION AND MAINTENANCE**

All mulches should be inspected periodically, in particular after rainstorms, to check for rill erosion. Where erosion is observed, additional mulch should be applied. Nets should be inspected after rainstorms for dislocation or failure. If washouts or breakage occur, re-install netting as necessary after repairing damage to the slope. Inspections should occur until grasses are firmly established. Where mulch is used in conjunction with ornamental plantings, inspect periodically throughout the year to determine if mulch is maintaining coverage of the soil surface; repair as needed.

SCS-URB

December 1994

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SOURCE: ILLINOIS URBAN MANUAL

**SD14 PERMANENT SEEDING**



**DEFINITION**

Establishing permanent vegetative cover to stabilize disturbed areas.

**PURPOSE**

The purpose of this practice is to reduce erosion and decrease sediment from disturbed areas, and to permanently stabilize such areas in a manner that adapts to site conditions and allows selection of the most appropriate plant materials.

**CONDITIONS WHERE PRACTICE APPLIES**

1. Disturbed areas where long-lived vegetative cover is needed to stabilize the soil.
2. On other areas where cover is desired.

**CRITERIA**

Selection of plant materials - Selection of plant materials will be based on climate, topography, soils, landuse, available light, aesthetics and maintenance. See tables A, B and C for selection of grasses and legumes and ground covers. For trees and shrubs see practice standard 985, TREE AND SHRUB PLANTING.

Site Preparation - The soil must meet minimum requirements as a good growth medium.

a. Must have enough fine-grained (silt & clay) material to maintain adequate moisture and nutrient supply and sufficient pore space to permit root penetration. The bulk density should be 1.2 to 1.5 grams per cubic centimeter. Clay content should not exceed 35 percent.

b. The depth of suitable rooting material to rock or impermeable layers shall be 12 inches or more, except on steep slopes where adding soil material is not feasible.

c. A pH range of 5.5 to 6.5

d. Be free of toxic amounts of materials harmful to plant growth.

If any of the above criteria cannot be met by the addition of modifying materials, ie: lime or organic material, then topsoil shall be applied in accordance with practice standard 981 TOPSOILING.

The following materials may be used where needed to improve the soil conditions for plant growth.

Peat-Appropriate types are sphagnum moss peat, hypnum moss peat, reedsedge peat, or peat humus from fresh water sources.

Sand-clean and free of toxic materials.

**SD14 PERMANENT SEEDING** (continued)

Vermiculite-horticultural grade and free of toxic substances.

Rotted manure-stable or cattle manure not containing undue amounts of straw or other bedding materials. Incorporate to reduce potential odor problems.

Thoroughly rotted sawdust-free of stones and debris.

Sludge- treated sewage and industrial sludges should be used only in accordance with local, state and federal regulations.

Where extensive excavation is to be done and the subsoil materials will not be suitable for plant growth, remove and stockpile existing topsoil and re-apply when final grade is achieved.

Install necessary mechanical erosion and sedimentation control practices before seeding, and complete grading according to the approved plan.

Seedbed preparation:

1. Apply fertilizer and other required soil amendments prior to final seedbed preparation.
2. Prepare a seedbed to a minimum depth of 3 inches by disking or other suitable means. All tillage operations should be on the contour.

Fertilization - Lime and fertilizer needs should be determined by soil tests. When soil tests are not available, apply 1000 pounds per acre or 25 pounds per 1000 square feet of 12-12-12 fertilizer or equivalent.

Seed - Certified seed will be used for all permanent seedings whenever

possible. All legumes will be inoculated with the proper inoculant prior to seeding.

Seeding - Seeding may be done by any of the following methods:

A. Conventional

1. Prepare seedbed and incorporate lime and fertilizer.
2. Apply seed uniformly at a depth of 1/4 to 1/2 inch with a drill (band seed) or cultipacker seeder or broadcast seed uniformly and cover to 1/4 to 1/2 inch depth with a cultipacker, or similar tool.
3. Mulch following seeding.

B. Hydroseeding

1. Final seedbed preparation should leave the soil surface in a roughened condition.
2. Lime and fertilizer should be incorporated prior to seeding unless they are to be applied at the same time of the seed. (applying lime with a hydroseeder may be abrasive to the equipment).
3. No less than 1000 gallons of water per acre will be used.
4. When seeding legumes, increase the recommended rate for inoculant four times.
5. If seed and fertilizer are mixed together they should be seeded within 2 hours of mixing. Beyond 2 hours, a full rate of new seed may be necessary.
6. Cultipacking or harrowing following seeding will help insure a better stand.

C. Dormant seeding may be made between November 15 and March 1 by either of the following methods:

**SD14 PERMANENT SEEDING** (continued)

1. **Conventional Method** - If soil conditions are suitable during the dormant seeding period, apply lime and fertilizer, prepare the seedbed and seed as specified in this specification. Increase the seeding rate at least 50%. Mulch following seeding.

2. **Overseeding Method** - Liming, fertilizing, seedbed preparation and mulching may be done after August 31. The seed shall be broadcast uniformly over the mulch between November 15 and March 1. When this is done, increase the seeding rates 50%.

**Sprigging** - Some plants cannot be grown from seed and must be planted vegetatively. Sprigs are fragments of horizontal stems or roots which include at least one node (joint). Sprigs may be planted by either of the following methods.

A. Broadcast sprigs and press into the top 1/2 to 2 inches of soil with a cultipacker or a disk set straight so that the sprigs are not brought back toward the surface.

B. Make furrows 4-6 inches deep and 2 feet apart. On sloping areas, make furrows perpendicular to the slope (on the contour). Place sprigs in the furrows with one end at or above ground level. Close the furrow when plants have been placed.

C. Plant sprigs in furrows with a tractor-drawn transplanter. Sprigging should be done during specified seeding periods.

**Planting ground covers** - Most shrub and vine type ground covers are available as bare root stock, balled and burlapped, or in containers or pots. On flat areas where erosion is not a problem, prepare the site by tilling to a depth of 10-12 inches.

On sloping sites, till 2 - 3 inches deep to incorporate needed soil amendments.

When planting individual plants, prepare a hole slightly larger than the container or ball and deep enough that the roots can extend to the bottom. Most ground covers should be planted 1/2" to 1" deeper than they have grown in the pot or container.

**Mulching** - All permanent seedings and plantings will be mulched upon completion of seed application or planting. Refer to practice standard 875, MULCHING. When planting ground covers it may be advantageous to mulch prior to planting.

**CONSIDERATIONS**

Protect the area from excess runoff as necessary with diversions, grass-lined channels, terraces, or sediment basins.

Evaluate the capabilities and limitations of the soil to be seeded or planted. Special attention needs to be given to soil pH, texture, internal water movement, steepness, and stability in order to plan the appropriate treatment.

Plant species should be selected on the basis of soil type, planned use of the area, and the amount or degree of maintenance that can be devoted to the area in the future. Consideration should be given to using native vegetation where possible. Landuse and maintenance, whether residential, industrial, commercial or recreational, can be divided into two general categories:

**High-maintenance areas** are mowed frequently, limed and fertilized regularly, and either (1)

**SD14 PERMANENT SEEDING** (continued)

receive intensive use (e.g., athletic fields or golf courses) or (2) require maintenance to an aesthetic standard (e.g., home lawns). Grasses or ground covers used for these situations are long-lived perennials that form a tight sod and are fine-leaved and attractive in appearance. They must be well adapted to the geographic area where they are planted and able to endure the stress of frequent mowing. Sites where high-maintenance vegetative cover is desirable include homes, industrial parks, schools, churches, and recreational areas.

**Low-maintenance areas** are mowed infrequently or not at all, and do not receive lime and fertilizer on a regular basis. Plants must persist with little maintenance over long periods of time. Grass and legume mixtures are favored for these sites because legumes are a source of soil nitrogen. Mixed stands are also more resistant to adverse conditions. Prairie grass may be appropriate but are slow to establish. Sites suitable for low-maintenance vegetation include steep slopes, stream or channel banks, some commercial properties and roadbanks.

Fertilizer, lime, seedbed preparation, seed coverage, mulch, and irrigation should be used as necessary to promote quick plant growth.

Vegetation cannot be expected to provide erosion control cover and prevent soil slippage on a soil that is not stable due to its structure, water movement, or excessive slope.

The operation of equipment is restricted and may be unsafe on slopes steeper than 3:1. Where steepness prohibits the use of farm machinery, seedbed preparation, fertilization, and seeding or planting may need to be done by hand.

Mulching, in addition to preventing erosion during establishment, may make the difference in success or failure of the seeding. When selecting mulching materials, consider steepness and length of slopes, areas of concentrated runoff water flow, and materials that will provide protection to the site in case the seeding or planting fails.

Moisture is essential for seed germination and seedling establishment. Supplemental irrigation can be very helpful in assuring adequate stands in dry seasons or to speed development of full cover.

**PLANS AND SPECIFICATIONS**

The plans and specifications for seeding or planting and mulching shall include the following items:

1. Seeding mixtures and rates or plant species and density.
2. Site preparation.
3. Fertilization.
4. Seeding or planting methods.
5. Seeding or planting periods.
6. Mulching materials and application rates.
7. Schedule for installation, inspection and maintenance.

**OPERATION AND MAINTENANCE**

Generally, a stand of vegetation cannot be determined to be fully established until soil cover has been maintained for one full year from planting.

Protect the planted area from human, animal and vehicular traffic until the stand is adequately established.

Inspect all planted areas for failures and make necessary repairs, replacements, reseeding, and

**SD14 PERMANENT SEEDING** (continued)

remulching within the planting season, if possible. If a stand has less than 40% cover, re-evaluate the choice of plant materials, quantities of lime and fertilizer, seeding or planting methods, time of seeding or planting and available light and moisture. Re-establish the stand following the original specifications, but with modifications based on the evaluation.

Where an adequate water supply is available, irrigate to keep the seedbed moist (not wet) for 7 to 10 days after seeding. This may require watering daily the first week, especially during hot weather, and less frequently thereafter. Water application rates must be carefully controlled to prevent runoff and erosion. Inadequate or excessive amounts of water can be more harmful than no supplemental water. Irrigation is seldom needed for low-maintenance seedings made at the appropriate time of the year.

Both low and high-maintenance seedings should be fertilized one year after planting to strengthen the plants and insure proper stand density. The following recommendations may be used:

1. For grass only stands, apply 500 lbs./acre (12 lbs/1000 sq. ft.) of 10-20-10, or equivalent.
2. For grass-legume or pure legume stands, apply 500 Lbs/ac. (12 lbs./1000 sq. ft.) of 10-20-20, or equivalent.
3. The best time to apply fertilizer is between March 1 and May 30 or August 1 and September 30.

Do not mow high-maintenance turf seedings until the stand is at least 6 inches tall. Do not mow closer than 3 inches during the year of establishment.

Low-maintenance stands should be mowed only as needed to control weeds. Mowing should be done

before weeds go to seed. Keep mowing height above the height of the seeded plants. Vine and shrub type ground covers may need hand weeding until the area is well covered.

Herbicides may also be used for weed control. Apply all herbicides according to rates specified on the label.

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SOIL STABILIZATION

**SD14 PERMANENT SEEDING** (continued)

Table A  
LOW MAINTENANCE GRASSES AND LEGUMES

| Site Suitability |    |   | Sun Light Availability |    |   | Seed Mixture  | Seeding Rates (PLS) |                   |
|------------------|----|---|------------------------|----|---|---|---------------------|-------------------|
| D                | WD | W | FS                     | PS | S |   | lbs/Ac.             | lbs/1000 sq./ft.  |
| X                | X  |   | X                      |    |   | Smooth bromegrass<br>or tall fescue<br>plus Alfalfa or<br>birdsfoot trefoil | 24<br>8             | .55<br>.20        |
| X                | X  |   | X                      | X  |   | Smooth bromegrass<br>or tall fescue<br>plus Crownvetch                      | 24<br>16            | .55<br>.20        |
| X                | X  | X | X                      |    |   | Tall fescue plus<br>Timothy or redtop<br>Birdsfoot trefoil                  | 12<br>2.5<br>12     | .30<br>.06<br>.30 |
| X                | X  | X | X                      |    |   | Switchgrass <u>1</u> /  | 8                   | .20               |
| X                | X  |   | X                      |    |   | Switchgrass <u>1</u> / plus<br>Big Blue plus<br>Indianagrass                | 2<br>5<br>5         | .04<br>.14<br>.14 |

1/ Warm season grasses

D = Droughty                      FS = Full Sun  
WD = Well Drained              PS = Partial Sun  
W = Wet                              S = Shady

SOURCE: ILLINOIS URBAN MANUAL

SOIL STABILIZATION

**SD14 PERMANENT SEEDING (continued)**

**TABLE B  
HIGH MAINTENANCE SEED MIXTURES**

| Site Suitability |    |   | Sun Light Availability |    |   | Seed Mixture                                     | Seeding Rates (PLS) |                  |
|------------------|----|---|------------------------|----|---|--|---------------------|------------------|
| D                | WD | W | PS                     | PS | S |  | lbs/Ac.             | lbs/1000 sq./ft. |
| X                | X  |   | X                      | X  |   | Ky bluegrass<br>Use at least 3 adapted varieties | 88-130              | 2-3              |
| X                | X  |   |                        | X  |   | Ky bluegrass plus<br>Red fescue                  | 110<br>44           | 2.5<br>1.0       |
| X                | X  | X | X                      | X  | X | Tall fescue<br>(turf type)                       | 220-260             | 5-6              |
| X                | X  |   |                        | X  | X | Red fescue plus<br>Ky bluegrass                  | 110<br>44           | 2.5<br>1         |
| X                | X  |   | X                      | X  |   | Ky bluegrass plus<br>Perennial ryegrass          | 86<br>43            | 2.0<br>1.0       |

D = Droughty                      PS = Full Sun  
 WD = Well Drained              PS = Partial Sun  
 W = Wet                            S = Shady

**SEEDING DATES**

**SPRING**

Northern Illinois              Early Spring to June 1  
 Central Illinois                Early Spring to May 15  
 Southern Illinois               Early Spring to May 15

**FALL**

Northern Illinois              August 1 to September 1  
 Central Illinois                August 1 to September 10  
 Southern Illinois               August 1 to September 20

**DORMANT**

Northern Illinois              November 1 to March 15  
 Central Illinois                November 15 to March 1  
 Southern Illinois               November 15 to March 1

SOURCE: ILLINOIS URBAN MANUAL

**SD14 PERMANENT SEEDING** (continued)

TABLE C.

## GROUND COVERS (Shrubs &amp; Vines)

This table contains a list of ground covers commonly used in Illinois. When selecting species to use, check with a local nursery for availability of plants, growth characteristics and recommended spacings.

Bugle  
 Wild Ginger  
 Barberry  
 Dwarf quince  
 Crownvetch  
 Creeping cotoneaster 4" - 2' prostrate  
 Mock strawberry  
 Euonymus - several species (Wintercreeper) Evergreen  
 English ivy  
 Daylily  
 Evergreen candytuff  
 Juniper (Creeping)  
 Pachysandra (Japanese spurge)  
 Creeping phlox  
 Shrubby cinquefoil (Potentilla)  
 Dwarf alpine current  
 Stonedrop (Sedum)  
 Creeping thyme  
 Common periwinkle (Vinca)

SCS IL

urb880

## SD15 PUMP DISCHARGE FILTER BAG

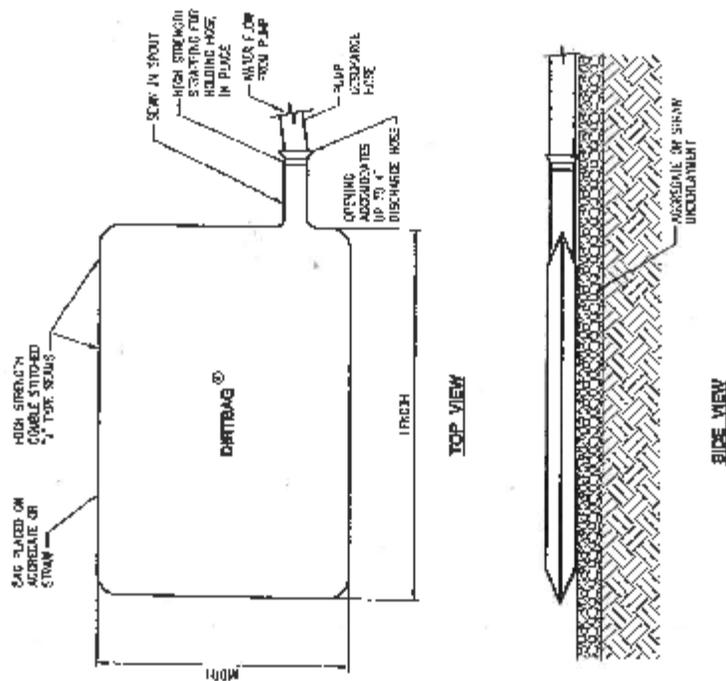
### DIRTBAG® PUMP-SILT CONTROL SYSTEM NOTES

#### A) GENERAL NOTES:

1. THE DIRTBAG® WILL HAVE AN OPENING LARGE ENOUGH TO ACCOMMODATE A 2" DISCHARGE HOSE WITH ATTACHED STRAP TO TIE OFF THE HOSE TO PREVENT THE PUMPED WATER FROM ESCAPING THE DIRTBAG® WITHOUT BEING FILTERED.
2. INSTALL THE DIRTBAG® IN A CLOSE FIT. IT SHOULD BE PLACED ON THE INCOMING WATER PUMP, BEFORE THE DIRTBAG® SHOWS UP TO STOP THE WATER FROM FLOWING OUT OF THE DIRTBAG® WITHOUT BEING FILTERED THROUGH THE FABRIC TO INCREASE THE EFFICIENCY OF THE FILTRATION. THE BAG SHOULD BE PLACED IN AN ADEQUATE BED TO ALLOW WATER TO FLOW THROUGH ALL SURFACES OF THE BAG.
3. DISPOSAL MAY BE ACCOMPLISHED AS DECIDED BY THE ENGINEER. IF THE SILT ALLOWING THE DIRTBAG® TO BE CUT OPEN AND REUSED, REPAIRING OR REUSE FOR OTHER PURPOSES. THE DIRTBAG® IS STRONG ENOUGH TO BE USED IN A NEW DIRTBAG® IF THE ABOVE REQUIRES. THE DIRTBAG® SHOULD BE REMOVED FROM THE PUMP AND DISPOSED OR REUSED PRIOR TO USE. ALLOWING THE WATER TO FLOW THROUGH ALL SURFACES, THEREBY DECREASING THE NEED TO LIFT THE DIRTBAG®.

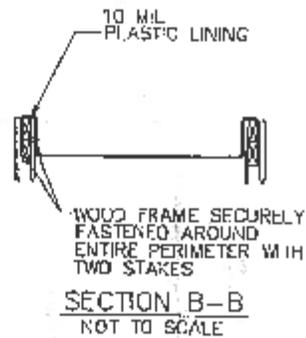
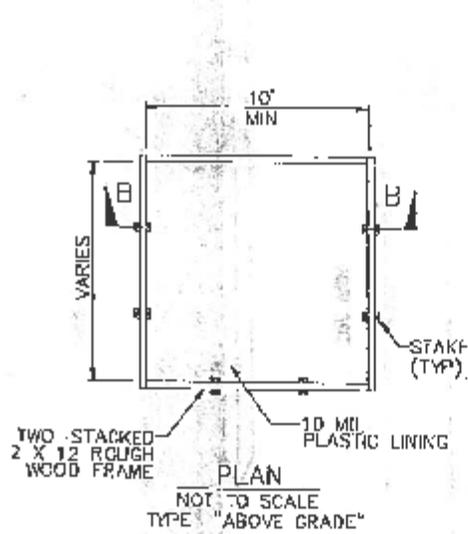
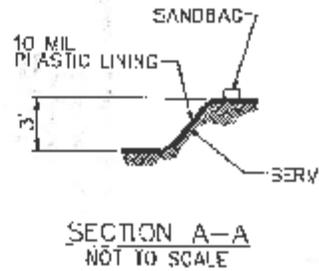
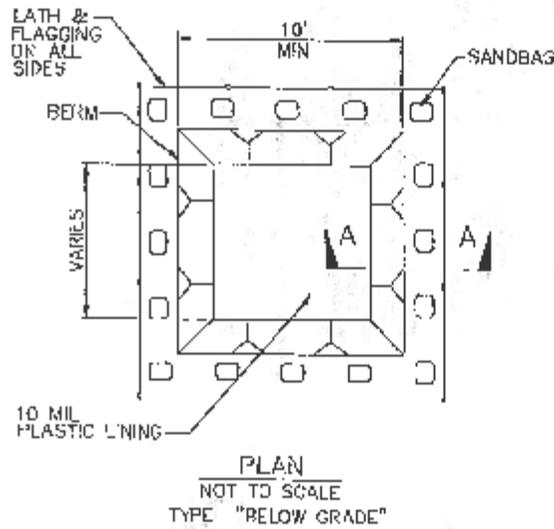
#### B) INSPECTION AND MAINTENANCE:

1. THE DIRTBAG® SHOULD BE INSPECTED FULL WHEN IT IS IMPROPER FOR THE BAG TO FILTER AT SEDIMENT AT A REASONABLE RATE, AND SHOULD BE REPLACED WITH A NEW DIRTBAG®.



Other products may be submitted for review and approval

## SD16 CONCRETE WASHOUT FACILITY



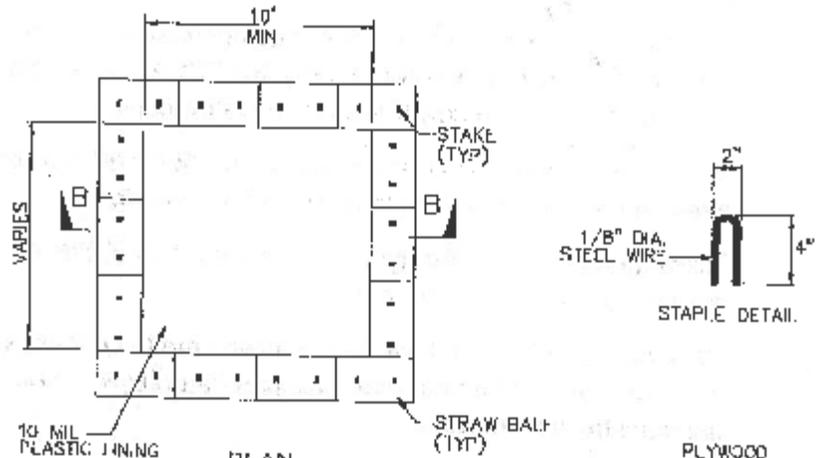
### NOTES

1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

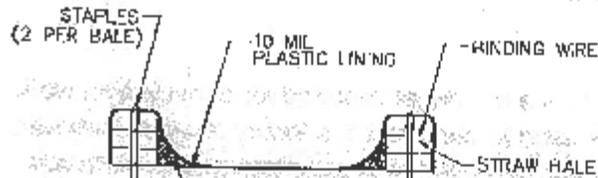
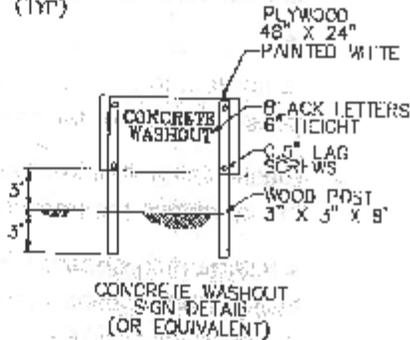
SOURCE: CALIFORNIA STORM WATER S.M.P. HANDBOOK

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**SD16 CONCRETE WASHOUT FACILITY (continued)**



**PLAN**  
NOT TO SCALE  
TYPE "ABOVE GRADE"  
WITH STRAW BALES



**SECTION B-B**  
NOT TO SCALE

**NOTES**

1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

SOURCE: CALIFORNIA STORM WATER B.M.P. HANDBOOK

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## **SD16 CONCRETE WASHOUT FACILITY** (continued)

### **GENERAL**

- PCC and AC wastes shall be collected and disposed of or placed in a concrete washout facility. No PCC or AC wastes shall enter the storm sewer system or watercourses.
- Sign shall be installed adjacent to each facility to inform concrete equipment operators to utilize proper facilities.
- Below grade facilities are typical. Above grade facilities are utilized if excavation is not practical.
- Washout facilities shall have sufficient volume to contain all liquid and waste concrete materials generated by washout and construction activities.
- Once concrete wastes are discharged to facility and allowed to harden, the concrete waste should be broken up and disposed of in accordance with state and local law.
- Plastic lining shall be free of holes, tears, or other defects that comprise the impermeability of the material.
- A minimum freeboard 12-inches is required for below grade facilities and a minimum of 4-inches freeboard is required for above grade facilities.

### **REMOVAL**

- When facilities are no longer required for construction work, the materials used to construct the facility shall be removed from the site and disposed of in accordance with state and local law.
- Holes, depressions or other ground disturbance caused by removal of the facility shall be backfilled and restored to its pre-existing condition or intended use.

SOURCE: CALIFORNIA STORM WATER B.M.P. HANDBOOK

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**SD16 CONCRETE WASHOUT FACILITY** (continued)

**MAINTENANCE**

- Facilities must be cleaned or new facilities constructed once the washout is 75% full.
- Remove and dispose of hardened concrete materials to return facilities to a functional condition.
- Inspect washout facility on a weekly basis.

SOURCE: CALIFORNIA STORM WATER B.M.P. HANDBOOK

F-44

**NOTES**

To: **Environment and Land Use Committee**

From: **John Hall**, Director & Zoning Administrator

Date: **March 31, 2015**

RE: **Case 773-AT-14**. Amend the Champaign County Storm Water Management and Erosion Control Ordinance that is the subject of a separate Zoning Case 769-AT-13, by adding a requirement for both a Grading and a Demolition Permit for any grading or demolition that disturbs one acre or more of land or for any grading or demolition that is part of a larger common plan of development in which one acre or more of land disturbance will occur, and that is not related to any proposed construction and add fees for Grading and Demolition Permits and other requirements related to Grading and Demolition Permits, as described in the legal advertisement.

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## **BACKGROUND**

The Zoning Board of Appeals voted 6 to 0 (with all members present) to RECOMMEND ENACTMENT of this amendment at their March 26, 2015, public hearing. ELUC has not previously reviewed this proposed amendment.

During the public hearing for Case 769-AT-13 it became clear that the original legal advertisement for Case 769-AT-13 did not include mention of a permit for either grading or demolition that are not related to other construction, outside of the MS4 Jurisdictional Area. Without a requirement for either of those permits the protections to neighbors provided by the “minimum erosion control standards” proposed to be added in Case 769-AT-13 in Sections 6.1F., 6.4, and 6.5 would not apply. Instead of re-advertising the very lengthy legal advertisement for Case 769-AT-13 the Zoning Administrator initiated a separate zoning case, Case 773-AT-14, which proposes the new Grading Permit and Demolition Permit for grading or demolition that is not related to other construction, outside of the MS4 Jurisdictional Area. Case 773-AT-14 is not required for Champaign County to meet the applicable requirements of the NPDES Storm Water Program.

Case 773-AT-14 should only be recommended to the County Board if the “optional minimum erosion control standards” in related Case 769-AT-13 are also recommended to the County Board. The ZBA recommended the “optional minimum erosion control standards” in related Case 769-AT-13 and also recommended approval of Case 773-AT-14.

Standard protocol is for the Committee to make a preliminary recommendation on a proposed text amendment at the first Committee meeting following a ZBA recommendation (this meeting) and then make a recommendation to the County Board at the next regularly scheduled Committee meeting on May 7, 2015. The one month delay in a final recommendation is intended to give municipalities and townships with plan commissions one month in which to provide comments or protests.

## **DRAFT AMENDMENT**

The Draft Amendment is included as Attachment A. Attachment B reviews the major changes proposed by this amendment.

**IMPACT OF THE PROPOSED ORDINANCE ON LANDOWNERS**

The impact of this proposed amendment on landowners is proportional to the erosion and/or sedimentation that is caused on adjacent properties. The following is excerpted from item 16.B. in the Finding of Fact for Case 773-AT-14:

- (1) From the Draft Finding of Fact for related Case 769-AT-13:
  - a. The Optional Minimum Standards do not require erosion and sedimentation controls to be put in place until there is a valid complaint of erosion and/ or sedimentation on adjacent land.
  - b. The Optional Minimum Standards are not required for MS4 compliance or to achieve the LRMP goals and policies.
  - c. It is difficult to estimate the added construction costs because the minimum erosion control and water quality requirements required by this Case 769-AT-13 in the 99% of the unincorporated area that is outside of the MS4 Jurisdictional Area will probably only be required when there is a complaint about erosion and sedimentation on adjacent property.
  - d. Any added costs will be directly related to minimizing damage to other property and therefore the costs will also be minimized.
- (2) This Case 773-AT-14 proposes a requirement for Grading and/ or Demolition Permits outside of the MS4 Jurisdictional Area and if approved this amendment will only require erosion and sedimentation controls to be put in place if there is a valid complaint of erosion and/ or sedimentation on adjacent land.
- (3) Any added costs will be directly related to minimizing damage to other property and therefore the costs will also be minimized under this proposed amendment.

**IMPACT OF THE PROPOSED ORDINANCE ON COUNTY STAFFING**

Finding of Fact item 16.B.(5) b. for related Case 769-AT-13 found that the “optional minimum erosion control standards” would have little impact on staffing and therefore, this amendment should also have little impact on staffing.

**ATTACHMENTS**

- A Proposed Amendment As-Recommended**
- B Summary of Proposed Major Changes to the Draft Storm Water Management and Erosion Control Ordinance**
- C As-Approved Summary Finding of Fact for Case 773-AT-14**

**Case 773-AT-14**  
**Attachment A. Proposed Amendment As Recommended**

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**Proposed Amendment As-Recommended**

1. **Add the following to Sec. 3 Definitions of the Champaign County Storm Water Management and Erosion Control Ordinance:**  
DEMOLITION PERMIT: A permit for DEMOLITION activities that are planned for areas outside of the MS4 JURISDICTIONAL AREA.  
  
GRADING PERMIT: A permit for GRADING activities that are planned for areas outside of the MS4 JURISDICTIONAL AREA.
  
2. **Add the following to Sec. 4. of the Champaign County Storm Water Management and Erosion Control Ordinance:**
  
- 4.5 GRADING and DEMOLITION PERMIT Exemptions  
All GRADING and DEMOLITION meeting the following conditions are exempt from the requirement for a GRADING PERMIT and/or a DEMOLITION PERMIT:
  - A. Any GRADING or DEMOLITION pursuant to any of the exempted activities listed in Section 4.2.
  - B. GRADING and/or DEMOLITION that is not part of or related to other CONSTRUCTION and that will result in less than one acre of LAND DISTURBANCE and that is not part of a larger COMMON PLAN OF DEVELOPMENT OR SALE OF RECORD.
  - C. GRADING and/or DEMOLITION that is related to and authorized in a ZONING USE PERMIT or a Floodplain Development Permit or a LDEC PERMIT.
  
3. **Add the following to 5.2 of the Champaign County Storm Water Management and Erosion Control Ordinance:**  
  
5G. Approval of any required GRADING PERMIT or DEMOLITION PERMIT outside of the MS4 JURISDICTIONAL AREA.
  
4. **Add the following to Sec. 6 of the Champaign County Storm Water Management and Erosion Control Ordinance:**
  
- 6.6 DEMOLITION PERMIT and GRADING PERMIT
  - A. DEMOLITION or GRADING that will result in one acre or more of LAND DISTURBANCE or that is part of a larger COMMON PLAN OF DEVELOPMENT OR SALE OF RECORD which will disturb one acre or more of land, and that is not part of or related to other CONSTRUCTION and that is not located in the Champaign County MS4 JURISDICTIONAL AREA shall be subject to the requirement for either a DEMOLITION PERMIT or a GRADING PERMIT, whichever is applicable.
  - B. Paragraph 6.6A. notwithstanding, the requirements of paragraph 6.1F., Section 6.4, Section 6.5, and paragraph 6.6 J. shall apply to any GRADING or DEMOLITION even though no DEMOLITION PERMIT or GRADING PERMIT may be required based on the amount of LAND DISTURBANCE.

**Case 773-AT-14**  
**Attachment A. Proposed Amendment As Recommended**

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- C. GRADING that is related to DEMOLITION shall be authorized as part of a DEMOLITION PERMIT.
- D. Application for a DEMOLITION PERMIT or a GRADING PERMIT shall be filed in written form with the ZONING ADMINISTRATOR on such forms as the ZONING ADMINISTRATOR prescribes and shall include the following information:
1. Name and address of the OWNER, the APPLICANT, contractor, engineer and architect when applicable;
  2. Location, including township and section, street number, lot block and or tract comprising the legal description of the site;
  3. Permanent Index Number (PIN);
  4. LOT Area;
  5. ZONING DISTRICT;
  6. Special Flood Hazard Area, if applicable;
  7. USE of existing property and structures;
  8. Proposed USE and any proposed structures;
  9. Estimated cost of proposed construction, GRADING, and/or DEMOLITION;
  10. SITE PLAN indicating all existing and proposed USES and structures, water well, septic tank, septic tank leach field;
  11. Extent and nature of proposed LAND DISTURBANCE including a description of any proposed FILL and indication of the general location of any proposed FILL on the SITE PLAN.
- E. Any abandonment of a water well and/or septic tank (or anything similar to a septic tank) shall be in compliance with the Champaign County Health Ordinance and the Illinois Water Well Construction Code (415 ILCS 30) and/or the Illinois Private Sewage Disposal Code (77 ILCS 905.40).
- F. Any abandonment of an underground storage tank shall be in accordance with all applicable laws. This requirement shall not apply to any septic tank.
- G. Any permit for DEMOLITION of a PRINCIPAL BUILDING (as defined in the Champaign County Zoning Ordinance) not related to other CONSTRUCTION shall document the following:
1. Whichever of the following is applicable regarding the presence of a water well on the LOT:
    - a. a written statement that no water well exists on the LOT; or
    - b. a written statement that no water well on the LOT will be abandoned as defined in the Illinois Water Well Construction Code (415 ILCS 30) and the Champaign County Health Ordinance; or
    - c. in the event that a water well on the LOT will be abandoned, a copy of the Water Well Sealing Form pursuant to Public Act 85-0863 shall be submitted.

**Case 773-AT-14**  
**Attachment A. Proposed Amendment As Recommended**

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2. Whichever of the following is applicable regarding the presence of a septic tank or other similar thing on the LOT:
  - a. a written statement that no septic tank, cesspool, pit privy, aerobic treatment unit, or seepage pit exists on the LOT; or
  - b. a written statement certifying that a septic tank or aerobic treatment unit (or both) or a cesspool or pit privy or seepage pit exists on the LOT and will remain in use; or
  - c. a written statement certifying that a septic tank or aerobic treatment unit (or both), or a cesspool or pit privy or seepage pit exists on the LOT and will no longer be in use and shall be made to comply with the Illinois Private Sewage Disposal Code (77 ILCS 905.40) and the Champaign County Health Ordinance.
  
- H. Any permit for DEMOLITION of anything other than a privately owned home or ACCESSORY BUILDING or related STRUCTURE or a multi-family DWELLING with four or less dwelling units and/or any ACCESSORY BUILDING shall provide the following to document compliance with the National Emission Standards for Hazardous Air Pollutants (NESHAP):
  1. a written statement by a qualified inspector that regulated removal of asbestos containing material is not necessary; or
  2. if a qualified inspector has determined that regulated removal of asbestos containing material is necessary, a copy of the completed State of Illinois Demolition/Renovation/Asbestos Project Notification Form. All DEMOLITION authorized under a DEMOLITION PERMIT or pursuant to a LDEC PERMIT shall comply with the Illinois Environmental Protection Agency's regulations enforcing the National Emission Standard for Hazardous Air Pollutants for regulated asbestos.
  
- I. The Applicant for any DEMOLITION is responsible for ending and turning off any relevant utility service prior to DEMOLITION.
  
- J. Any Zoning Use Permit or Floodplain Development Permit or LDEC PERMIT and all GRADING or DEMOLITION shall comply with the following:
  1. All DEMOLITION debris shall be disposed of lawfully and no CONSTRUCTION or DEMOLITION debris may be buried on the LOT other than as follows:
    - a. Clean CONSTRUCTION or DEMOLITION debris consisting of uncontaminated broken concrete without protruding metal bars, bricks, rock, stone, reclaimed or other asphalt pavement, or soil generated from construction or DEMOLITION activities may be used as a FILL material provided as follows:
      - (a) FILL that includes clean CONSTRUCTION or DEMOLITION debris shall not be placed within any well setback zone established under the Illinois Groundwater Protection Act (415 ILCS 55/1).
      - (b) FILL that includes clean CONSTRUCTION or DEMOLITION debris shall be placed no higher than the adjacent ground elevation that existed prior to the DEMOLITION.

**Case 773-AT-14**  
**Attachment A. Proposed Amendment As Recommended**

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- (c) The Zoning Administrator may inspect any FILL prior to final grading and must inspect all FILL that is placed inside the MS4 JURISDICTIONAL AREA pursuant to a LDEC PERMIT.
    - (d) FILL that includes clean CONSTRUCTION or DEMOLITION debris shall be covered by sufficient uncontaminated soil to support vegetation within 30 days of the completion of placing the FILL.
    - (e) FILL that includes clean CONSTRUCTION or DEMOLITION debris shall be in compliance with all other requirements of 415 ILCS 5/3.160 and 415 ILCS 5/22.51 or as authorized by the IEPA.
  - 2. All other general CONSTRUCTION or DEMOLITION debris shall be removed from the LOT and taken to a duly approved disposal facility or reused in conformance with 415 ILCS 5/3.160 and 415 ILCS 5/22.51 or as otherwise authorized by the IEPA.
  - 3. The requirements of paragraph 6.6 G.1. and 6.6 G.2. notwithstanding, uncontaminated broken concrete without protruding metal bars may be used for erosion control consistent with all other standards of this Ordinance.
  - 4. No DEMOLITION debris shall be burned on the LOT unless all necessary approvals are received from the IEPA in which case a copy of said approval shall be provided with the application.
  - 5. Fugitive dust shall be minimized during GRADING or DEMOLITION activities.
  - 6. No open excavation or open basement or foundation more than four feet deep shall be left unfenced at any time and within 90 days shall be removed or filled in conformance with the requirements of this Ordinance so as to be less than four feet deep.
- K. At the time the application is filed for a DEMOLITION PERMIT or a GRADING PERMIT a fee of \$50 shall be paid except that this fee shall be waived provided that a Notice of Intent shall have been submitted to the IEPA and a copy of the Notice of Intent is submitted with the application.
- L. The Applicant for any DEMOLITION PERMIT or any LDEC PERMIT for DEMOLITION not related to other CONSTRUCTION shall notify the Zoning Administrator when the DEMOLITION has been completed and the Zoning Administrator shall inspect the DEMOLITION for compliance with this Ordinance.
- M. EROSION and SEDIMENT controls required by the ZONING ADMINISTRATOR pursuant to an enforcement action shall remain in place and shall be properly maintained in conformance with Section 12.8 until the DEMOLITION or GRADING has achieved FINAL STABILIZATION or until the EROSION and SEDIMENT controls are no longer needed. The ZONING ADMINISTRATOR shall then provide a letter documenting the achievement of FINAL STABILIZATION or that the EROSION and SEDIMENT control

**Case 773-AT-14**  
**Attachment A. Proposed Amendment As Recommended**

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are no longer needed. EROSION and SEDIMENT controls required pursuant to the ILR10 shall remain in place until a NOTICE OF TERMINATION has been submitted to the IEPA and the County.

- N. In the event that DEMOLITION or GRADING occurs with no application having been made for a DEMOLITION PERMIT or a GRADING PERMIT, no DEMOLITION PERMIT or GRADING PERMIT shall be required after FINAL STABILIZATION.

Attachment B. Summary of Proposed Major Changes to the Draft Storm Water Management and Erosion Control Ordinance

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- A. **The proposed amendment in this case is only relevant (1) when there is grading or demolition that is not related to other construction and (2) when the grading or demolition occurs outside of the MS4 Jurisdictional Area.**
- B. **The proposed Grading Permit and Demolition Permit are only proposed to be required when there is one acre or more of land disturbance or if part of a larger COMMON PLAN OF DEVELOPMENT OR SALE OF RECORD which will disturb one acre or more of land.**
- C. **The protections provided to adjacent landowners by the proposed “optional minimum erosion control standards” in paragraph 6.1F., Section 6.4, Section 6.5 in related Case 769-AT-13 shall “...apply to any GRADING or DEMOLITION even though no DEMOLITION PERMIT or GRADING PERMIT may be required based on the amount of LAND DISTURBANCE.”** This is similar to how the existing Zoning Ordinance requires all construction to comply with the Ordinance but no permit is required for construction smaller than 150 square feet in area. Grading and/or Demolition must also therefore comply with the following:
- (1) **the standards (requirements) for disposal of construction waste and debris** (paragraph 6.4 C. in Case 769); and
  - (2) **the required minimum separations from sensitive areas for land disturbance and any large stockpile of earth (more than 150 cubic yards) must meet** (paragraphs 6.4 D. and E. in Case 769); and
  - (3) **the standard (requirement) regarding end-of-day clean up of any sediment deposited onto a public street** (paragraph 6.4 F. in Case 769).
- D. **The fee for either a Grading Permit or a Demolition Permit is a minimal \$50 and that is waived if there has been an ILR10 Notice of Intent filed with the Illinois Environmental Protection Agency.**
- E. **No new requirements are proposed for well abandonment or septic tank abandonment.** Proposed demolition of a “principal building” (as defined in the Zoning Ordinance) when there is no proposed construction of a new principal building should cause a concern about possible abandonment of a water well and/or abandonment of a septic tank. The proposed amendment simply ensures that such demolition complies with the existing requirements related to abandonment.
- F. **No new requirements are proposed related to asbestos abatement.** Proposed demolition of any structure other than a privately owned home or ACCESSORY BUILDING or related STRUCTURE or a multi-family DWELLING with four or less dwelling units and/or any ACCESSORY BUILDING should cause concern related to possible asbestos abatement and the proposed amendment simply ensures that such demolition complies with the existing requirements.
- G. **Grading related to demolition should cause a concern about what is buried** and that is why the amendment includes the relevant IEPA standard for “**clean construction or demolition debris**”.
- H. **If Grading or Demolition occurs without a permit having been applied for and there is no complaint received from neighbors, once “final stabilization” is achieved, there is no longer a need a for Permit.** This is different than for a Zoning Use Permit. If a Zoning Use Permit should have been received for construction or a change of use, then a Zoning Use Permit is still required.

**Case 773-AT-14**  
**Attachment C. Summary Finding of Fact**

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**SUMMARY FINDING OF FACT**

From the documents of record and the testimony and exhibits received at the public hearing conducted on **May 29, 2014; June 12, 2014; July 13, 2014; September 11, 2014; December 11, 2014; January 15, 2015; February 26, 2015; March 12, 2015; and March 26, 2015**, the Zoning Board of Appeals of Champaign County finds that:

1. Regarding the effect of the proposed text amendment on the Land Resource Management Plan (LRMP):
  - A. **Regarding Goal 8 Natural Resources:**
    - **IF the Optional Minimum Standards in Related Case 769-AT-13 are approved, it WILL HELP ACHIEVE** Objective 8.4 that states “Champaign County will work to ensure that new development and ongoing land management practices maintain and improve surface water quality, contribute to stream channel stability, and minimize erosion and sedimentation.” because it **WILL HELP ACHIEVE** the following:
      - Policy 8.4.2 that states “**The County will require stormwater management designs and practices that provide effective site drainage, protect downstream drainage patterns, minimize impacts on adjacent properties and provide for stream flows that support healthy aquatic ecosystems.**”
    - Based on achievement of the above Objectives and Policies and because it will either not impede or is not relevant to the other Objectives and Policies under this goal, the proposed map amendment will **HELP ACHIEVE Goal 8 Natural Resources.**
  - B. The proposed text amendment will **NOT IMPEDE** the following LRMP goal(s):
    - **Goal 1 Planning and Public Involvement**
    - **Goal 2 Governmental Coordination**
    - **Goal 3 Prosperity**
    - **Goal 4 Agriculture**
    - **Goal 5 Urban Land Use**
    - **Goal 6 Public Health and Safety**
    - **Goal 7 Transportation**
    - **Goal 9 Energy Conservation**
    - **Goal 10 Cultural Amenities**
  - C. Overall, **IF the Optional Minimum Standards in Related Case 769-AT-13 are approved**, the proposed text amendment will **HELP ACHIEVE** the Land Resource Management Plan.
2. The proposed Zoning Ordinance text amendment will **HELP ACHIEVE** the purpose of the Zoning Ordinance but only **IF the Optional Minimum Requirements in Related Case 769-AT-13 are approved**, because:
  - The proposed text amendment will **HELP** conserve the value of land, **BUILDINGS**, and **STRUCTURES** throughout the **COUNTY** (Purpose 2.0 (b); see Item 16.B.).
  - The proposed text amendment will **HELP** promote the public health, safety, comfort, morals, and general welfare (Purpose 2.0 (e); see Item 16.E.).

**Case 769-AT-13**

**Attachment D. Excerpts from 55ILCS 5-15 Water Supply, Drainage and Flood Control**

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DATE: March 31, 2015

TO: Environment and Land Use Committee

FROM: Susan Monte, RPC Planner  
John Hall, Zoning Administrator

RE: Proposed Minor Amendments to Champaign County Land Resource Management Plan

ACTION  
REQUEST: Approval

### Background

This request is to propose minor amendments to the Land Resource Management Plan (LRMP) as provided in Work Plan ID 3 and Work Plan ID 4 of the FY15 County Planning Contract.

Work Plan ID 3 addresses LRMP Priority Item 1.3.1:

*Based on the annually prepared report of trends and new developments, provide a recommendation to ELUC regarding minor LRMP map changes each year. Provide public notice of LRMP changes and invite public input regarding proposed changes.*

Work Plan ID 4 addresses LRMP Priority Item 2.1.1:

*Review municipal limits and contiguous urban growth area boundaries with municipal representatives on a regular basis in order to update LRMP Future Land Use Map and Land Management Area Map boundaries. Complete review and revisions to LRMP maps in time for preparation of the annual report to be provided to the County Board each January.*

### Summary of Proposed Minor Amendments

- Proposed minor amendments to *LRMP Volume 1 Existing Conditions and Trends Report* to update Countywide Land Use Trends 'Farmland Acreage' Tables 12-2 through 12-8
- Proposed minor amendments to *LRMP Volume 2 Land Use Management Areas Map* to update municipal boundaries and 1-1/2 mile extraterritorial jurisdiction boundaries

### Proposed Minor Amendments to *LRMP Volume 1 Existing Conditions and Trends Report*

Minor amendments are proposed to update the 'Farmland Acreage' series of data tables in the 'Countywide Land Use Trends' in Chapter 12 of Volume 1 of the LRMP. The proposed updates to these tables will be based on the 2012 Census of Agriculture Illinois State and County Data, Volume 1, Geographic Area Series, Part 13, issued May 2014. The specific Chapter 12 tables proposed to be updated are:

12-2 Farms and Farmland in Champaign County

12-3: Number of Farms by Farm Size (Total and Irrigated), 1997-2007

12-4: Acreage Harvested, Yield and Production of Crops in Champaign County, 2003-2007

12-5: Farms by Value of Sales

12-6: Livestock Inventory

12-7: Number of Farms by Tenure

12-8: Acreage by Tenure

The proposed adjustments updating Tables 12-2 through 12-8 do not remove existing content, but add data and related comparisons based on 2012 Census of Agriculture results. A footnote was added to the following tables to indicate that the census data for farmland acreage are self-reported and may include out-of-state farmland acreage or other discrepancies:

Table 12-2 Farms and Farmland in Champaign County

Table 12-8 Acreage by Tenure

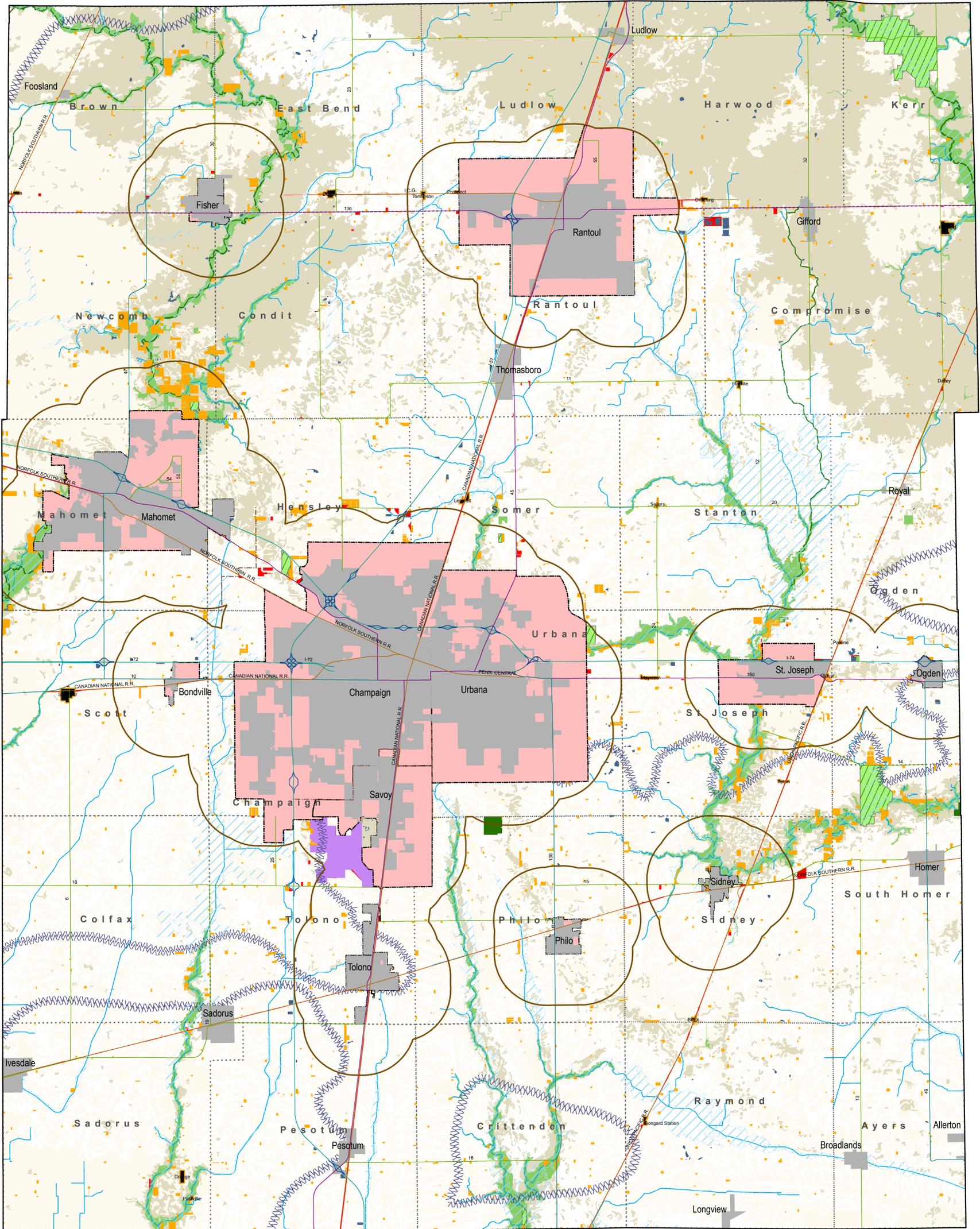
The proposed updated Tables 12-2 through 12-8 are included on the 'Proposed LRMP Volume 1 Update' document on the Champaign County Department of Planning and Zoning webpage <http://www.co.champaign.il.us/pandz/landmanagement.htm>.

#### Proposed Minor Amendments to LRMP Volume 2 Land Use Management Areas Map

The proposed minor amendment to the LRMP Land Use Management Areas Map is an update to both municipal boundaries and corresponding 1-1/2 extraterritorial jurisdiction (ETJ) boundaries based on most current CCGIS Consortium GIS data. The corporate limit and ETJ boundaries on the LRMP Land Use Management Areas map are typically updated on an annual basis. A copy of the proposed updated LRMP Land Use Management Areas Map is attached.

#### Attachment

A Proposed Update to LRMP Land Use Management Areas Map dated February 25, 2015



### Land Use Management Areas

The Land Use Management Area map defines spatial extents of policies based on language and intent of the LRMP.

#### Policy Areas

##### Rural

- Best Prime Farmland
- Non Best Prime Farmland
- Existing Natural Area
- Areas which may contain Natural Areas
- Parks and Preserves
- Mahomet Aquifer (approx.)
- Primary Sand & Gravel Aquifers (approx.) \*
- Stream
- Lake

##### Urban

- Settlement
- Contiguous Urban Growth Area

\* also situated above the Mahomet Aquifer

#### Administrative Boundaries

- Extraterritorial Jurisdiction
- Extraterritorial Jurisdiction Boundary Agreement
- Township Boundary
- Floodplain

#### Existing Land Uses

- Commercial / Industrial
- Residential
- Existing Incorporated Area
- Airport

#### Roads

- Interstate
- Federal Highway
- State Highway
- County Highway
- Railroad



0 2.25 4.5 Miles

Map Produced February 25, 2015

# MONTHLY REPORT for FEBRUARY 2015<sup>1</sup>

Champaign County  
Department of

**PLANNING &  
ZONING**

## Zoning Cases

The distribution of cases filed, completed, and pending is detailed in Table 1. Four zoning cases were filed in February and one zoning case was filed in February 2014. The average number of cases filed in February in the preceding five years was 1.4.

Two ZBA meetings were held in February and three cases were finalized. Two ZBA meetings were held in February 2014 and one case was finalized. The average number of cases finalized in February in the preceding five years was 1.4.

By the end of February there were 11 cases pending. By the end of February 2014 there were 7 cases pending.

Brookens Administrative  
Center  
1776 E. Washington Street  
Urbana, Illinois 61802

(217) 384-3708  
zoningdept@co.champaign.il.us  
www.co.champaign.il.us/zoning

**Table 1. Zoning Case Activity in February 2015 & February 2014**

| Type of Case                        | February 2015<br>2 ZBA meetings |                    | February 2014<br>2 ZBA meetings |                    |
|-------------------------------------|---------------------------------|--------------------|---------------------------------|--------------------|
|                                     | Cases<br>Filed                  | Cases<br>Completed | Cases<br>Filed                  | Cases<br>Completed |
| Variance                            | 1                               | 1                  | 1                               | 0                  |
| SFHA Variance                       | 0                               | 0                  | 0                               | 0                  |
| Special Use                         | 1                               | 1                  | 0                               | 0                  |
| Map Amendment                       | 1                               | 1                  | 0                               | 0                  |
| Text Amendment                      | 1                               | 0                  | 0                               | 1                  |
| Change of Non-conforming Use        | 0                               | 0                  | 0                               | 0                  |
| Administrative Variance             | 0                               | 0                  | 0                               | 0                  |
| Interpretation / Appeal             | 0                               | 0                  | 0                               | 0                  |
| <b>TOTALS</b>                       | <b>4</b>                        | <b>3</b>           | <b>1</b>                        | <b>1</b>           |
| Total cases filed (fiscal year)     | 6 cases                         |                    | 1 cases <sup>†</sup>            |                    |
| Total cases completed (fiscal year) | 5 cases                         |                    | 4 cases <sup>†</sup>            |                    |
| Case pending*                       | 11 cases                        |                    | 7 cases <sup>†</sup>            |                    |

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|  |
|--|
| * Cases pending includes all cases continued and new cases filed <u>but not decided</u><br>†Does not reflect the actual FY2014 which was 12/13 through 12/14 |
|--|

<sup>1</sup> Note that approved absences, sick days, and two part-time interns resulted in an average staffing level of 97% or the equivalent of 4.8 staff members (of the 5 authorized) present on average for each of the 19 work days in February.

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### Subdivisions

No County subdivision application was received in February. No municipal subdivision plats were reviewed for compliance with County zoning in February.

### Zoning Use Permits

A detailed breakdown of permitting activity appears in Table 2. A list of all Zoning Use Permits issued for the month is at Appendix A. Permitting activity in February can be summarized as follows:

- 5 permits for 3 structures were approved in February compared to 5 permits for 5 structures in February 2014. The five-year average for permits in February in the preceding five years was 7.6.
- 22 months out of the last 60 months have equaled or exceeded the five-year average for number of permits (including January 2015, December 2014, October 2014, August 2014, July 2014, June 2014, May 2014, March 2014, November 2013, August 2013, July 2013, May 2013, December 2012, October 2012, September 2012, May 2012, April 2012, February 2012, December 2011, September 2011, February 2011, and January 2011).
- 2.5 days was the average turnaround (review) time for complete initial residential permit applications in February.
- \$218,000 was the reported value for the permits in February compared to a total of \$662,755 in February 2014. The five-year average reported value for authorized construction in February is \$544,444.
- 25 months in the last 60 months have equaled or exceeded the five-year average for reported value of construction (including December 2014, October 2014, June 2014, May 2014, March 2014, February 2014, November 2013, September 2013, August 2013, July 2013, June 2013, February 2013, January 2013, November 2012, August 2012, September 2012, May 2012, April 2012, February 2012, January 2012, December 2011, November 2011, August 2011, June 2011, and April 2011).
- \$419 in fees were collected in February compared to a total of \$2,579 in February 2014. The five-year average for fees collected in February is \$1,354.
- 22 months in the last 60 months have equaled or exceeded the five-year average for collected permit fees (including January 2015, December 2014, November 2014, October 2014, August 2014, July 2014, June 2014, May 2014, March 2014, February 2014, August 2013, July 2013, February 2013, January 2013, October 2012, September 2012, May 2012, April 2012, February 2012, January 2012, December 2011, and June 2011).
- There were also 5 lot split inquiries and 196 other zoning inquiries in February.
- One rural address was issued in February.
- One set of ZBA minutes were transcribed in February.

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**Table 2. Zoning Use Permits Approved in February 2014**

| PERMITS   | CURRENT MONTH |           |           | FISCAL YEAR TO DATE |           |           |
|---|---------------|-----------|-----------|---------------------|-----------|-----------|
|   | #             | Total Fee | \$ Value  | #                   | Total Fee | \$ Value  |
| AGRICULTURAL:                                       |               |           |           |                     |           |           |
| Residential   |               |           |           |                     |           |           |
| Other   | 2             | 0         | 118,000   | 2                   | 0         | 118,000   |
| SINGLE FAMILY Resid.:                               |               |           |           |                     |           |           |
| New - Site Built                                    |               |           |           |                     |           |           |
| Manufactured  |               |           |           |                     |           |           |
| Additions   |               |           |           | 1                   | 65        | 29,727    |
| Accessory to Resid.                                 |               |           |           | 3                   | 1,299     | 120,100   |
| TWO-FAMILY Residential                              |               |           |           |                     |           |           |
| <b>Average turn-around time for permit approval</b> |               |           | 2.5 days  |                     |           |           |
| MULTI - FAMILY Residential                          |               |           |           |                     |           |           |
| HOME OCCUPATION:                                    |               |           |           |                     |           |           |
| Rural   | 1             | 33        | 0         | 1                   | 33        | 0         |
| Neighborhood  | 1             | 0         | 0         | 3                   | 0         | 0         |
| COMMERCIAL: New                                     |               |           |           |                     |           |           |
| Other   |               |           |           |                     |           |           |
| INDUSTRIAL: New                                     |               |           |           |                     |           |           |
| Other   |               |           |           |                     |           |           |
| OTHER USES: New                                     |               |           |           | 1                   | 0         | 28,000    |
| Other   |               |           |           |                     |           |           |
| SIGNS   |               |           |           |                     |           |           |
| TOWERS (Incl. Acc. Bldg.)                           | 1             | 386       | 100,000   | 1                   | 386       | 100,000   |
| OTHER PERMITS                                       |               |           |           |                     |           |           |
| <b>TOTAL APPROVED</b>                               | 5/3           | \$419     | \$218,000 | 12/8                | \$1,783   | \$395,827 |

\* 5 permits were issued for 3 structures in February 2015; 3 permits require inspection and Compl. Certif.

◇ 12 permits have been issued for 8 structures since January 1, 2015 (FY2015)

**NOTE:** Home occupations and other permits (change of use, temporary use) total 4 since January 1, 2015, (this number is not included in the total # of structures).

There were 3 Zoning Use Permit Apps. *received* in February 2014 and 2 were *approved*.

2 Zoning Use Permit App. *approved* in February 2015 was *received* in prior months.

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Zoning Use Permits (continued)

- 227 permit files were scanned in February.

**Conversion of Best Prime Farmland**

Table 3 summarizes conversion of Best Prime Farmland as a result of any County zoning approval so far in FY2015.

**Table 3. Best Prime Farmland Conversion**

|  | February<br>2014 | FY 2015 to date |
|--|------------------|-----------------|
| <b>Zoning Cases.</b> Approved by the ZBA, a Zoning Case February authorize a new principal use on Best Prime Farmland that was previously used for agriculture.  | 0.0 acres        | 0.00 acres      |
| <b>Subdivision Plat Approvals.</b> Approved by the County Board, a subdivision approval February authorize creation of new Best Prime Farmland lots smaller than 35 acres:<br>Outside of Municipal ETJ areas <sup>1</sup>  | 0.0 acre         | 0.0 acre        |
| Within Municipal ETJ areas <sup>2</sup>  | 0.0 acre         | 0.0 acre        |
| <b>Zoning Use Permits.</b> Approved by the Zoning Administrator, a Permit February authorize a new non-agriculture use on a lot that was not previously authorized in either a zoning case or a subdivision plat approval. | 0.0 acres        | 0.0 acres       |
| Agricultural Courtesy Permits  | 0.0 acre         | 0.0 acre        |
| <b>TOTAL</b>   | 0.0 acres        | 0.0 acres       |
| NOTES<br>1. Plat approvals by the County Board.<br>2. Municipal plat approvals.  |                  |                 |

**Zoning Compliance Inspections**

- 22 zoning compliance inspections were made in February for a total of 27 compliance inspections in FY2015.
- 71 zoning compliance certificates were issued in February for an average of 17.8 certificates per week. A total of 84 zoning compliance certificates have been issued so far in FY2015. The FY2015 budget anticipated a total of 389 compliance inspections and certificates for an average of 7.5 certificates per week.

**Zoning and Nuisance Enforcement**

Table 4 contains the detailed breakdown of enforcement activity for February 2015 and can be summarized as follows:

- 3 new complaints were received in February compared to 1 complaint that was received in February 2014. One complaint was referred to other agencies in February and one complaint was referred to another agency in February 2014.
- 19 enforcement inspections were conducted in February compared to 8 in February 2014. Two of the February 2015 inspections were for the new complaints received in February 2015.
- No contacts were made prior to written notification in February and one was made in February 2014.
- 19 initial investigation inquiries were made in February for an average of 4.8 per week in February and 8.1 per week for the fiscal year. The FY2014 budget anticipates an average of 9.6 initial investigation inquiries per week.
- 2 First Notices and No Final Notices were issued in February compared to no First Notices and no Final Notices in February 2014. The FY2015 budget anticipated a total of 32 First Notices for an average of 2.7 First Notices per month.
- No case was referred to the State’s Attorney in February and no case was referred in February 2014.
- No cases were resolved in February and 1 case was resolved in February 2014.
- 316 cases remain open at the end of February compared to 402 open cases at the end of February 2014.
- In addition to the activities summarized in Table 4, other activities of Enforcement staff in February included the following:
  1. Answering phones and helping customers when needed due to unavailability or absence of Zoning Technicians.
  2. Assisted the Zoning Administrator in preparation of an inspection report for the inspection of the Cherry Orchard Apartments in Rantoul Township including managing the more than 600 photographs taken in that inspection.
  3. Coordinated with land owners, complainants, and the State’s Attorney’s Office regarding enforcement cases that have been referred to the State’s Attorney’s Office.
  4. Coached Department Interns regarding compliance inspections in the month of February.

**APPENDICES**

**A Zoning Use Permit Activity During February 2015**

**B Zoning Compliance Certificates Issued in February 2015**

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**Table 4. Enforcement Activity During February 2015**

|                                       | FY2014<br>TOTALS <sup>1</sup> | Jan.<br>2015 | Feb.<br>2015    | March<br>2015 | April<br>2015 | May<br>2015 | June<br>2015 | July<br>2015 | Aug.<br>2015 | Sep.<br>2015 | Oct.<br>2015 | Nov.<br>2015 | Dec.<br>2015 | TOTALS <sup>1</sup><br>FY2015 |
|---------------------------------------|-------------------------------|--------------|-----------------|---------------|---------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------------------|
| Complaints Received                   | 68                            | 2            | 3               |               |               |             |              |              |              |              |              |              |              | 5                             |
| Initial Complaints Referred to Others | 14                            | 0            | 1               |               |               |             |              |              |              |              |              |              |              | 1                             |
| Inspections                           | 485                           | 49           | 19 <sup>4</sup> |               |               |             |              |              |              |              |              |              |              | 68 <sup>5</sup>               |
| Phone Contact Prior to Notice         | 10                            | 0            | 0               |               |               |             |              |              |              |              |              |              |              | 0                             |
| First Notices Issued                  | 22                            | 4            | 2               |               |               |             |              |              |              |              |              |              |              | 6                             |
| Final Notices Issued                  | 0                             | 0            | 0               |               |               |             |              |              |              |              |              |              |              | 0                             |
| Referrals to State's Attorney         | 1                             | 0            | 0               |               |               |             |              |              |              |              |              |              |              | 0                             |
| Cases Resolved <sup>2</sup>           | 159                           | 0            | 0 <sup>6</sup>  |               |               |             |              |              |              |              |              |              |              | 0 <sup>7</sup>                |
| Open Cases <sup>3</sup>               | 311                           | 313          | 316             |               |               |             |              |              |              |              |              |              |              | 316 <sup>8</sup>              |

Notes

1. Total includes cases from previous years.
2. Resolved cases are cases that have been inspected, notice given, and violation is gone, or inspection has occurred and no violation has been found to occur on the property.
3. Open Cases are unresolved cases and includes any case referred to the State's Attorney or new complaints not yet investigated.
4. 2 inspections of the 19 performed were for the 3 complaints received in February, 2015.
5. 2 inspections of the 68 inspections performed in 2015 were for complaints received in 2015.
6. None of the resolved cases for February, 2015, were for complaints received in February, 2015.
7. None of the cases resolved in FY 2015 were for complaints that were also received in FY 2015.
8. Total open cases include 21 cases that have been referred to the State's Attorney, some of which were referred as early as 2001.

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**APPENDIX A. ZONING USE PERMIT ACTIVITY DURING FEBRUARY 2015**

| <b>Permit Number</b>      | <b>Zoning District;<br/>Property Description;<br/>Address; PIN</b>  | <b>Owner Name</b>    | <b>Date Applied,<br/>Date Approved</b> | <b>Project<br/>(Related Zoning Case)</b>  |
|---------------------------|---|----------------------|--|---|
| 28-15-01<br>RHO<br><br>CR | Lots 102 and 103 of Brook Farm Sub Replat of Lots 2 and 3, Section 35, Newcomb Township; 459 CR 2425N, Mahomet, Illinois<br>PIN: 16-07-35-400-015 & 016 | April & Shad Griffen | 01/28/15<br>02/09/15                   | Establish a Rural Home Occupation, <i>Mahomet Hardscapes and Irrigation, Inc.</i> |
| 30-15-01<br><br>AG-1      | A tract in the E ½ of the W ¼ of the SE ¼ of Section 15, Philo Township; 1564 CR 900N, Philo, Illinois<br>PIN: Pt. of 19-27-15-401-009                  | SBA Towers           | 01/30/15<br>02/19/15                   | Erect a 195' cellular communication tower and equipment shelter                   |
| 35-15-01<br><br>AG-1      | A tract of land located in the NE ¼ of Section 18, Newcomb Township; 2789 CR 100E, Mahomet, IL<br>PIN: 16-07-18-200-003                                 | Dean Liestman        | 02/04/15<br>02/09/15                   | Construct a detached storage shed for agriculture equipment                       |
| 37-15-01<br><br>AG-1      | A tract of land located in the W ½ of the NW ¼ of Section 18, Scott Township; 1588 CR 0E, Seymour, Illinois<br>PIN: 23-19-18-100-006                    | Robert W. Barker     | 02/06/11<br>02/11/15                   | Construct a detached storage shed for agricultural equipment storage              |
| *55-15-01                 | Approved in March   |                      |  |   |

\*received and reviewed, however, not approved during reporting month

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**APPENDIX B. ZONING COMPLIANCE CERTIFICATES ISSUED IN FEBRUARY 2015**

| <b>Date</b> | <b>Permit Number</b> | <b>Property Description;<br/>Address; PIN</b>  | <b>Project<br/>(Related Zoning Case)</b>   |
|-------------|----------------------|--|--|
| *08/01/14   | 203-11-01<br>RHO     | A tract of land located in Part of the NE ¼ of Section 3, Hensley Township; 995 CR 2400N, Champaign, Illinois<br>PIN: 12-14-03-200-002   | A freestanding sign as part of a Rural Home Occupation, <i>Vincent Fabrication</i> |
| *08/05/14   | 82-12-01             | Part of Lot 1 of Busey's M.W. Sub of Part of the NW ¼ of the NE ¼ of Section 15, Urbana Township; 108 Brady Lane, Urbana, Illinois<br>PIN: 30-21-15-205-009  | An enclosed deck/sun porch   |
| *08/07/14   | 189-11-01            | A tract of land located in the NE ¼ of Section 8, immediately south of the Seventh Day Adventist Sub., No. 2, Champaign Township; 602 N. Rising Road, Champaign, Illinois<br>PIN: 03-20-08-102-003 | A detached storage shed  |
| *08/07/14   | 195-12-01            | A tract of land located in the NE ¼ of Section 8, immediately south of the Seventh Day Adventist Sub., No. 2, Champaign Township; 602 N. Rising Road, Champaign, Illinois<br>PIN: 03-20-08-102-003 | An above ground swimming pool  |
| *08/07/14   | 113-07-01            | Lot 1, Seventh Day Adventist 2 <sup>nd</sup> Subdivision, Section 8, Champaign Township; 604 N. Rising Road, Champaign, Illinois<br>PIN: 03-20-08-102-002  | A detached storage shed  |
| *08/07/14   | 251-11-01            | Lot 1, Seventh Day Adventist 2 <sup>nd</sup> Subdivision, Section 8, Champaign Township; 604 N. Rising Road, Champaign, Illinois<br>PIN: 03-20-08-102-002  | An addition to an existing detached garage   |
| *08/08/14   | 143-12-01            | Lot 1 of Lincolnshire Fields West, Section 21, Champaign Township; 2019 Bentbrook Dr., Champaign, IL<br>03-20-21-304-001   | A detached storage shed  |
| *08/08/14   | 327-11-01            | Unit "P" Briar Hill Townhomes, Condominium Unit 6, Section 21, Champaign Township; 16 Briar Hill Circle, Champaign, Illinois<br>PIN: 03-20-21-453-015  | A two story deck addition to an existing condominium unit                          |

\*Inspections conducted in prior months

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**APPENDIX B. ZONING COMPLIANCE CERTIFICATES ISSUED IN FEBRUARY 2015**

| <b>Date</b> | <b>Permit Number</b> | <b>Property Description;<br/>Address; PIN</b>   | <b>Project<br/>(Related Zoning Case)</b>                                 |
|-------------|----------------------|---|--|
| *08/11/14   | 62-12-01             | Lot 9, Fritchey's Subdivision, Section 23, Champaign Township; 2204 S. Mattis Avenue, Champaign, Illinois<br>PIN: 03-20-23-353-001                        | An attached garage addition to an existing single family home            |
| *08/11/14   | 293-11-01            | Lot 59, Lincolnshire Fields NW II, Section 21, Champaign Township; 1807 Bentbrook Dr., Champaign, IL<br>PIN: 03-20-21-155-004                             | A garage addition to an existing single family home with attached garage |
| *08/11/14   | 270-11-02            | Lot 10, Cherry Hills Subdivision, Section 27, Champaign Township; 2505 Cherry Hills Dr., Champaign, IL<br>PIN: 03-20-27-101-010                           | A sunroom addition to an existing single family home                     |
| *08/11/14   | 77-08-02             | Lot 44, Lincolnshire Fields North II, Section 21, Champaign Township; 1909 Trout Valley Dr., Champaign, IL<br>PIN: 03-20-21-178-016                       | A garage addition to an existing single family home                      |
| *08/11/14   | 203-02-02            | Lot 103 of Maynard Lake 5 <sup>th</sup> Subdivision, Section 21, Champaign Township; 1804 Bridgestone Drive, Champaign, Illinois<br>PIN: 03-20-21-230-009 | An addition to an existing single family home                            |
| *08/11/14   | 152-11-01            | Lot 19 of Parkside Subdivision, Section 21, Champaign Township; 3308 Halifax Drive, Champaign, IL<br>PIN: 03-20-21-203-012                                | A covered front porch addition to an existing duplex unit                |
| *08/11/14   | 189-11-03            | Lot 4, Summerfield Place Subdivision, Section 32, Champaign Township; 4212 Summerfield Drive, Champaign, Illinois<br>PIN: 03-20-32-326-010                | An addition to an existing detached garage                               |
| *08/14/14   | 215-01-01            | Lot 306, Minor Lake 3 <sup>rd</sup> Subdivision, Section 21, Champaign Township; 3501 White Willow Circle, Champaign, Illinois<br>PIN: 03-20-21-204-023   | A sunroom addition to an existing single family home                     |
| *08/17/14   | 254-12-01            | Lot 132, Dobbins Downs Subdivision 2, Section 2, Champaign Township; 1408 Dobbins Drive, Champaign, IL<br>PIN: 03-20-02-126-010                           | An addition to an existing single family home                            |

\*Inspections conducted in prior months.

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**APPENDIX B. ZONING COMPLIANCE CERTIFICATES ISSUED IN FEBRUARY 2015**

| <b>Date</b> | <b>Permit Number</b> | <b>Property Description;<br/>Address; PIN</b>  | <b>Project<br/>(Related Zoning Case)</b>                                  |
|-------------|----------------------|--|---|
| *08/27/14   | 170-12-01            | A tract of land located in the NW ¼ of Section 20, Somer Township; 908 E. Ford Harris Road, Champaign, IL<br>PIN: 25-15-20-100-004   | An addition to an existing agriculture storage shed                       |
| *08/27/14   | 315-08-01            | Two tracts of land being a part of Outlot A, North Lincoln Avenue Industrial Park No. 2, and a 12.90 acre tract of land immediately to the East of the subject tracts currently occupied by APCON Corp.<br>PIN: 25-15-31-400-037 & 038 | An equipment storage building for APCON, Corp. as a joint lot development |
| *09/03/14   | 110-12-02            | Lot 3, Wolf Creek Subdivision, Section 30, South Homer Township; 2582C CR 2500N, Homer, Illinois<br>PIN: 17-24-30-276-012  | A single family home with attached garage and detached garage             |
| *09/03/14   | 173-12-01            | A tract of land in the SE ¼ of the SW ¼ of Section 33 South Homer Township; 2699 County Road 1200N, Homer, Illinois<br>PIN: 26-24-33-376-014   | A single family home with attached garage                                 |
| *09/03/14   | 339-11-01            | The West 2 feet of Lot 6 and all of Lot 7 of Ingram's Subdivision, Section 30, Ogden Township; 2534 Homer Lake Road, Ogden, Illinois<br>PIN: 17-24-30-177-006  | A room addition to an existing single family home                         |
| *09/03/14   | 231-11-02            | A tract of land in the SW ¼ of Section 6, Ogden Township; 2506 CR 2300N, Ogden, Illinois<br>PIN: 17-18-06-300-004  | An addition to an existing detached agriculture storage shed              |
| *09/03/14   | 114-12-02            | A tract of land located in the SW ¼ of Section 28, South Homer Township; 2727 CR 1350N, Homer, Illinois<br>PIN: 26-24-28-300-003   | An addition to an existing single family home                             |
| *09/03/14   | 177-14-01            | A tract of land located in the SW ¼ of Section 28, South Homer Township; 2727 CR 1350N, Homer, Illinois<br>PIN: 26-24-28-300-003   | A pavilion  |

\*Inspections conducted in prior months.

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**APPENDIX B. ZONING COMPLIANCE CERTIFICATES ISSUED IN FEBRUARY 2015**

| <b>Date</b> | <b>Permit Number</b> | <b>Property Description;<br/>Address; PIN</b>   | <b>Project<br/>(Related Zoning Case)</b>  |
|-------------|----------------------|---|---|
| *09/03/14   | 116-11-02            | A tract of land being a part of the SW ¼ of the SW ¼ of Section 21, Ogden Township; 2706 County Road 2050N, Ogden, Illinois<br>PIN: 17-18-21-100-006                                  | A breezeway addition to connect an existing single family home to an existing detached garage<br><br>CASE: 686-V-11 |
| *09/03/14   | 203-13-03            | A tract of land in the N ½ of the NE ¼ of Section 9, Ogden Township; 2797 CR 1700N, Ogden, Illinois<br>PIN: 17-24-09-200-004  | A single family (manufactured) home with detached garage  |
| *09/03/14   | 177-12-02            | A tract of land located in the SE ¼ of the NE ¼ of Section 20, Ogden Township; 2689 County Road 2050N, Ogden, Illinois<br>PIN: 17-18-20-200-007                                       | An addition to an existing single family home with attached garage  |
| *09/03/15   | 194-12-01            | Tract 2 of the Wolf Creek Survey in part of the NE ¼ of Section 30, Ogden Township; 2580 Homer Lake Road, Homer, Illinois<br>PIN: 17-24-30-276-014                                    | A single family home with attached garage   |
| *09/08/14   | 96-12-03             | Tract 2 of a Plat of Survey of Part of Section 6 & 7, South Homer Township; 1106 County Road 2400E, Homer, Illinois<br>PIN: 26-29-06-300-024  | A single family home with attached garage and a detached barn for agriculture animals                               |
| *09/08/14   | 321-12-01            | A 160 acre tract of land in the S ½ of the NE ¼ and the N ½ of the SE ½ of Section 20, St. Joseph Township; 1436 CR 1950E, Urbana, Illinois<br>PIN: 28-22-20-200-002                  | A detached storage shed for agriculture equipment   |
| *09/08/14   | 83-12-02             | A 72.33 acre tract of land being the NE ¼ of the NW ¼ and the NW ¼ of the NE ¼ of Fractional Section 7, South Homer Township; 2546 CR 1050N, Homer, Illinois<br>PIN: 26-30-07-200-001 | An agriculture equipment storage shed   |
| *09/08/14   | 86-13-01             | Tracts 1 and 2 of Stephens Section 6 Survey, Section 6, South Homer Township; 2559 County Road 1200N, Homer, Illinois<br>PIN: 26-30-106-200-012 & 011                                 | A single family home with attached garage (home in ZUPA 151-11-01 decommissioned)                                   |

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|-------------|----------------------|---|--|
| *09/08/14   | 151-11-01            | Tract 1 of Stephens Section 6 Survey, Section 6, South Homer Township; 2559 County Road 1200N, Homer, IL<br>PIN: 26-30-106-200-011                                      | A single family home with attached garage                                |
| *09/08/14   | 129-13-01            | Lot 5, Linbry Estates, Section 3, St. Joseph Township; 1777A CR 2200E, St. Joseph, Illinois<br>PIN: 28-22-03-283-005  | A detached storage shed with a porch and an in-ground swimming pool      |
| *09/08/14   | 138-05-02            | A tract of land located in the NE Corner of the NE ¼ of Section 34, St. Joseph Township; 2191 CR 1300N, St. Joseph, Illinois<br>PIN: 28-22-34-200-001                   | An addition to an existing duplex unit for farm employee living quarters |
| *09/08/14   | 341-12-01            | A tract of land located in the NE Corner of the NW ¼ of the NE ¼ of Section 17, St. Joseph Township; 1597 CR 1975E, St. Joseph, Illinois<br>PIN: 28-22-17-200-007 & 008 | One grain bin, 105' in diameter, 130' in height                          |
| *09/10/14   | 71-07-01             | A tract of land in the E ½ of the SW ¼ of Section 31, Somer Township; 2410 N. Fifth Street, Champaign, Illinois<br>PIN: 25-15-31-378-001                                | An office addition to an existing warehouse building                     |
| *09/17/14   | 105-09-02A           | A tract of land located in the SE ¼ of Section 15, St. Joseph Township; 1511 CR 2200E, St. Joseph, Illinois<br>PIN: 28-22-15-477-011                                    | A single family home with attached garage                                |
| *09/17/14   | 273-11-01            | A tract of land located in the SE ¼ of the W ½ of the NE ¼ of Section 26, St. Joseph Township; 1359 CR 2250E, St. Joseph, Illinois<br>PIN: 28-22-26-200-011             | A sunroom addition to an existing single family home                     |
| *09/17/14   | 181-12-01            | Lot 89, Wiltshire Estates 7 <sup>th</sup> Subdivision, Section 13, St. Joseph Township; 607 Country Acres Road, St. Joseph, Illinois<br>PIN: 28-22-13-327-008           | A detached garage/storage shed   |
| *09/17/14   | 116-13-01            | Lot 5 of J. Roy Byerly's 1 <sup>st</sup> Subdivision, Section 11, St. Joseph Township; 2233 CR 1700N, St. Joseph, Illinois<br>PIN: 28-22-11-127-003                     | An addition to an existing single family home                            |

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|-------------|----------------------|---|--|
| *09/17/14   | 114-12-03            | Lot 76, Wiltshire Estates 6 <sup>th</sup> Subdivision, Section 13, St. Joseph Township; 1402 Brunswick Court, St. Joseph, Illinois<br>PIN: 28-22-13-304-022                 | An above ground swimming pool with a 4' nonclimbable fence with a self-closing, self-locking gate surrounding the pool |
| *09/17/14   | 104-12-01            | Lot 36, Busboom's Wiltshire Estates 4 <sup>th</sup> Subdivision, Section 13, St. Joseph Township; 1309 Peters Drive, St. Joseph, Illinois<br>PIN: 28-22-13-304-005          | A detached garage  |
| *09/17/14   | 96-12-02             | Lot 124, Wiltshire 8 <sup>th</sup> Subdivision, Section 13, St. Joseph Township; 1507 Nottingham Dr., St. Joseph, IL<br>PIN: 28-22-13-329-005                               | A single family home with attached garage  |
| *09/24/14   | 259-11-01            | Lot 31, Windsor Park Subdivision, Section 25, Champaign Township; #6 Monterey Court, Champaign, Illinois<br>PIN: 03-20-25-126-007   | An addition to an existing single family home  |
| *09/25/14   | 11-12-01             | A tract of land located in the NW Corner of the SW ¼ of the SW ¼ of Fractional Section 6, Hensley Township; 2328 County Road 600E, Dewey, Illinois<br>PIN: 12-14-06-300-003 | An addition to an existing single family home  |
| *09/29/14   | 222-04-03            | Lot 2 of the Green Island, Inc. Subdivision, Section 2, Urbana Township; 2314 N. Highcross Road, Urbana, Illinois<br>PIN: 30-21-02-102-007                                  | A single family home as a caretaker's dwelling to an existing hydroponics facility                                     |
| *11/14/14   | 202-10-02            | Tract 3 of a Plat of Survey of Part of the NE ¼ of Section 26, Newcomb Township; 467 County Road 2600N, Mahomet, Illinois<br>PIN: 16-07-26-200-019                          | A detached storage shed and above ground swimming pool   |

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|------------------------|----------------------|--|--|
| *11/24/14<br>*01/21/15 | 134-10-01            | Part of the NW ¼ of the NW ¼ of Section 36, Somer Township; 3802 N. Cottonwood Road, Urbana, Illinois<br>PIN: 25-15-36-100-014   | A single family home with attached garage  |
| *12/03/14              | 272-12-01            | Lot 5, Prairiewest Subdivision, Section 32, Champaign Township; 421 Prairie West Dr., Champaign, IL<br>PIN: 03-20-32-326-018   | A detached garage, pool house and swimming pool  |
| *12/05/14              | 03-12-01             | A tract of land located in the SW Corner of the SW ¼ of Section 25, Brown Township; 504 CR 3100N, Fisher, Illinois<br>PIN: 02-01-25-300-007  | A sunroom addition to an existing single family home and, a detached storage shed  |
| *01/21/15              | 188-09-02            | Two tracts of land located in the SE Corner of the SW ¼ of Section 31, South Homer Township; 2546 CR 1200N, Homer, Illinois<br>PIN: 26-24-31-400-006 & 008                               | An attached garage addition to an existing single family home  |
| *01/21/15              | 224-13-02            | A tract of land located in the SW Corner of the SE ¼ of Section 36, St. Joseph Township; 2354 CR 1200N, St. Joseph, Illinois<br>PIN: 28-22-36-400-008                                    | A detached storage shed for personal, non-business related, storage  |
| *01/21/15              | 212-14-02            | A 1.8 acre tract of land located Eleven rods and Five links South of the NW Corner of Section 4, South Homer Township; 1190 St. Route 49, Homer, Illinois<br>PIN: 26-30-04-100-008 & 009 | A single family (manufactured) home  |
| 02/04/15               | 46-12-01             | A tract of land located in the SW Corner of the SW ¼ of Section 14, Hensley Township; 1708 W. Hensley Road, Champaign, Illinois<br>PIN: 12-14-14-300-003                                 | An addition to an existing warehouse/multi-tenant building; to authorize 'Top Star' gymnastics training; and authorize previously placed wall signs and additions to an existing freestanding sign |
| 02/04/15               | 289-14-01            | A tract of land located in the NW ¼ of Fractional Section 1, Hensley Township; 1131 CR 2400N, Thomasboro, Illinois<br>PIN: 12-14-01-100-005  | A detached storage shed  |

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|-------------|----------------------|---|--|
| 02/04/15    | 304-12-01            | Lot 5, Meridian Estates Subdivision, Section 28, Hensley Township; 3105 Meridian Drive, Champaign, Illinois<br>PIN: 12-14-28-277-004  | A detached storage shed  |
| 02/04/15    | 241-13-01            | The West 208.71' of the East 469.07' of the North 208' of the NW ¼ of the NW ¼ of Section 4, Urbana Township; 1703 Airport Road, Urbana, Illinois<br>PIN: 30-21-04-201-005                                    | A detached garage  |
| 02/09/15    | 94-04-02             | Lots 3 & 4 of Lakeview N.E., Section 13, Mahomet Township; 2012 & 2014 Juniper Drive, Mahomet, Illinois<br>PIN: 15-13-13-102-006 & 007  | A duplex with attached garages   |
| 02/05/15    | 63-13-01             | A tract of land located in the SW Corner of the SW ¼ of Section 14, Hensley Township; 1710 W. Hensley Road, Champaign, Illinois<br>PIN: 12-14-14-300-003  | A contractor's Facility with no Outdoor Storage or Operations, dba <i>Sarah's Landscaping, Inc.</i> , in a portion of an existing building, and a wall sign. |
| 02/09/15    | 165-05-02            | Lot 225 of Parkhill's 1 <sup>st</sup> Subdivision, Section 13, Mahomet Township; 605 Dennis Drive, Mahomet, Illinois<br>PIN: 15-13-11-476-016   | A detached storage shed  |
| 02/09/15    | 267-99-02            | Lot 333, Lake View 7 <sup>th</sup> Subdivision, Section 13, Mahomet Township; 106 N. Redbud Court, Mahomet, Illinois<br>PIN: 15-13-13-103-009   | A single family home with attached garage  |
| 02/09/15    | 286-09-01            | Tract 10 of Shiloh Farms, Section 22, Newcomb Township; 2675 CR 350E, Mahomet, Illinois<br>PIN: 16-07-22-101-006  | A detached storage shed  |
| 02/09/15    | 158-08-02            | A 1.07 acre tract of land being a part of Lot 4 of Poll Subdivision and the South 37.35' of Lot 3 of Poll Subdivision, Section 26, Newcomb Township; 2517 CR 450E, Mahomet, Illinois<br>PIN: 16-07-26-376-015 | An addition to an existing single family home  |

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|-------------|----------------------|---|---|
| 02/11/15    | 09-09-01             | Lot 12 of Fred J. Kienietz Subdivision, Section 33, Compromise Township; 2485 CR 2100E, Thomasboro, Illinois<br>PIN: 06-10-33-227-013                                 | A detached garage   |
| 02/11/15    | 215-12-02            | An 80 acre tract of land being the E ½ of the SE ¼ of Section 28, Sadorus Township; 147 CR 300E, Sadorus, IL<br>PIN: 22-31-28-400-003                                 | An addition to an existing single family home   |
| 02/11/15    | 133-13-02            | Lot 1 of Greenwood Lake 5 <sup>th</sup> Subdivision, Section 21, East Bend Township; 3228 Greenwood Drive, Dewey, Illinois<br>PIN: 10-02-21-476-011                   | A single family home with attached garage   |
| 02/11/15    | 265-09-02            | Lot 333, Lake View 7 <sup>th</sup> Subdivision, Section 13, Mahomet Township; 106 N. Redbud Court, Mahomet, Illinois<br>PIN: 15-13-13-103-009                         | An above ground swimming pool with 4' non-climbable fence with self-closing, self-latching gate   |
| 02/13/15    | 294-04-02            | Lots 1 and 2 of Block 2 of S. H. Busey's 4 <sup>th</sup> Subdivision, Section 4, Compromise Township; 301 S. East Street, Penfield, Illinois<br>PIN: 06-12-04-353-001 | A detached shed   |
| 02/25/15    | 168-11-01<br>FP      | A part of the SE ¼ of Section 21, Champaign Township; 2000 Byrnebruk Drive, Champaign, IL<br>PIN: 03-20-21-428-006  | Fill placement in an existing stagnant lake and grade to drain through existing concrete spillway |

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