CLASS I & CLASS III

EROSION CONTROL PERMIT

&

STANDARD DETAILS

City of CHAMPAIGN
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CLASS 1 & 3 EROSION CONTROL PERMIT

EROSION CONTROL PRACTICES FLOW CHART

- STABILIZED ENTRANCE
  - REQUIRED ON ALL SITES
  - *TEMPORARY STABILIZED CONSTRUCTION ENTRANCE

- PERIMETER CONTROLS
  - REQUIRED ON ALL SITES
  - *SILT FENCE
  - GRASS BUFFER STRIP
  - *SUPER SEDIMENT FENCE FOR SENSITIVE AREAS

- INLET PROTECTION
  - REQUIRED ON ALL SITES
  - *WELDED WIRE INLET PROTECTOR
  - EMBRACE FILTER PROTECTOR

- CONCENTRATED FLOW PROTECTION
  - REQUIRED ON ALL SITES
  - *ROCK DITCH CHECK
  - TRAPEZOIDAL BRIDGE
  - DIVERSION BERM
  - TIRE REINFORCEMENT MATT
  - EROSION CONTROL BLANKET

- VEGETATIVE COVER
  - ARE SLOPES GREATER THAN 3 TO 1
  - NO
  - SEED OR SEEDING
  - YES

- DETENTION BASINS
  - NO
  - DESIGN & UTILIZE TO CAPTURE SEDIMENT DURING CONSTRUCTION PHASE
  - YES

NOTES
* Sensitive areas include wetlands, rivers, creeks, natural areas, and other areas designated by City.
CLASS I LAND DISTURBANCE PERMIT FORM
(Land Disturbances that require an IEPA ILR-10 permit for one (1) acre or more land disturbance)

1. APPLICANT (Please check if applicant is the landowner or designated agent*)

<table>
<thead>
<tr>
<th>Name</th>
<th>Landowner</th>
<th>Designated Agent*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td></td>
<td></td>
</tr>
<tr>
<td>City</td>
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<td>Area Code/Telephone Number</td>
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2. ENGINEER

<table>
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<td>Zip Code</td>
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<td>Area Code/Telephone Number</td>
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</table>

| License #        | State     | License Expiration Date | |
|------------------|-----------|-------------------------| |

3. LOCATION

<table>
<thead>
<tr>
<th>Subdivision Name</th>
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<tbody>
<tr>
<td>Subdivision Lot No.</td>
<td>Tax ID Number</td>
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<td>Street Address</td>
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4. PROPOSED EARTH CHANGE

<table>
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<th>Residential</th>
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<th>Industrial</th>
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<tr>
<td>ILR-10 Permit No.</td>
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</table>

(Copy must be attached)

5. Name and Telephone Number of on-site responsible person

<table>
<thead>
<tr>
<th>Name</th>
<th>Area Code/Telephone Number</th>
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</table>

I (we) affirm that the above information is accurate and that I (we) will conduct the above described earth change in accordance with Part 91 Soil Erosion and Sedimentation Control, of the Natural Resource and Environmental Protection Act, 1994 PA. No. 451 as amended, applicable local ordinances, and the documents accompanying this application.

I (we) request the City’s Erosion Control Inspector to inspect and approve work completed in accordance with the approved Erosion and Sediment Control Plan.

<table>
<thead>
<tr>
<th>Landowner’s Signature</th>
<th>Print Name</th>
<th>Date</th>
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<table>
<thead>
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<th>Designated Agent’s Signature</th>
<th>Print Name</th>
<th>Date</th>
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6. Soil Erosion and Sedimentation Control Plan

Complete the following checklist and include the drawings, specifications, supporting documentation, and application.
EROSION AND SEDIMENT CONTROL PLAN CHECKLIST

Project:

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. 8½" 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. Sealed by licensed professional engineer

B. Existing and proposed contours shown and labeled

C. Property lines shown and labeled
D. Scale, legend, and north arrow shown and labeled.
E. 100 year flood elevation and floodplain delineation shown and labeled.
F. Delineation of any wetlands, natural or artificial water storage detention areas, and drainage ditches on the site.
G. Delineation of any storm drainage systems including quantities of flow and site conditions around all points of surface water discharge from the site.
H. Delineation of any areas of vegetation or trees to be preserved.
I. Delineation of any grading or land disturbance activity including specific limits of disturbance and stockpile locations.
J. Stabilized construction entrance provisions shown and labeled.
K. Perimeter erosion control provisions shown and labeled.
   - Silt Fence
   - Grass Buffer Strip
   - Super Sediment Fence for Sensitive Areas
L. Inlet protection provisions shown and labeled.
   - Stone Bags
   - Welded Wire Inlet Protectors
   - Approved Manufacturers Product
M. Concentrated flow provisions shown and labeled.
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 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 3 horizontal to 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.” ..........................................................

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 ............................... □ ______
H. 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 15th 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
CLASS III LAND DISTURBANCE PERMIT FORM
(Utility Company Land Disturbances Between 2,000 square feet and one (1) acre)

1. UTILITY COMPANY

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>City</th>
<th>State</th>
<th>Zip Code</th>
<th>Area Code/Telephone Number</th>
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</table>

2. APPLICANT

<table>
<thead>
<tr>
<th>Name</th>
<th>Title of Applicant</th>
<th>Address</th>
<th>City</th>
<th>State</th>
<th>Zip Code</th>
<th>Area Code/Telephone Number</th>
</tr>
</thead>
</table>

Signature of Applicant: ____________________ Date: ____________________

3. LOCAL PERSON RESPONSIBLE FOR CONSTRUCTION SITE EROSION CONTROL

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Address</th>
<th>City</th>
<th>State</th>
<th>Zip Code</th>
<th>Area Code/Telephone Number</th>
</tr>
</thead>
</table>

Fax Number: ____________________ Cell Phone Number: ____________________

Email Address: ____________________

A GENERAL EROSION CONTROL PLAN OR PLANS THAT INCLUDES THE BEST MANAGEMENT PRACTICES (BMP) TYPICALLY USED ON THE LAND DISTURBING CONSTRUCTION ANTICIPATED DURING THE YEAR IS PROVIDED AS AN ATTACHMENT TO THIS GENERAL PERMIT APPLICATION (27.08(3)).

1. A General Permit may be issued for land disturbing construction activities that are subject to the City of Champaign Construction Site Erosion Control Regulations and Manual of Practice.

2. General Permits may be issued to a utility company for a one-year period.

Application Review by: ____________________ Date: ____________________

Permit Issued by: ____________________ Date: ____________________
CLASS 1 SAMPLE PERMIT PLAN

CLASS 1 PERMIT
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 DOWNHILL SIDES.
4. BUILD DETENTION Ponds AND SEDIMENT TRAPS
5. DIVERT UPSTREAM SITE WATER AROUND SITE WITH DIVERSION BERM
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
CLASS III PERMIT
SAMPLE EROSION CONTROL PLAN
PLAN #1

1. Install fence on downhill side of stock pile.
2. Blade topsoil into a pile.
3. Stockpile trench soil.
4. Maintain vegetative buffers on both edges of utility R-O-W.
CLASS 3 PERMIT

SAMPLE EROSION CONTROL PLAN DRAWING #2

1. INLET PROTECTION ALTERNATIVES
   - DIVERT OFFSITE WATER
   - SEDIMENT TRAP

2. RESTORE VEGETATION
   - DEFINE PHASES
   - DEFINE LAPSED TIME
   - PLANT AS YOU GO

3. STOCKPILE ON PAVEMENT
   - AVOID IF POSSIBLE
   - LIMIT ON DURATION
   - CONSIDER CLIMATE CONDITIONS DURING CONSTRUCTION PERIOD
   - CONSIDER TARPS OR TREATMENT
   - CONSIDER DIVERSION

4. WORK CROSSES FLOWLINE
   - TIMING OF PAVEMENT PATCH
   - RESTRICT TIMING TO PERIOD OF NO RAIN FORECAST
   - CONTAIN FLOW IN FLOWLINES

5. CONCENTRATED FLOW CROSSING
   - IMMEDIATE STABILIZATION
   - SELECT SOIL OR BLANKETS

6. PLAN SHOULD INDICATE REQUIRED MAINTENANCE & WHEN TO REMOVE ESC DEVICE

LEGEND:

- FLOW BARRIER
- STORM SEWER INLET
- STOCKPILED MATERIAL
- CONCENTRATED FLOW PATH
- STABILIZED SOIL

ESC IS EROSION AND SEDIMENT CONTROL DEVICE
CLASS 3 PERMIT

SAMPLE EROSION CONTROL PLAN DRAWING #3

1. CONSTRUCTION ENTRY AT HAUL ROAD ACCESS TO STREET.
2. BEDDING STOCKPILE, AVOID CONCENTRATED FLOW AREAS.
3. MINIMIZE DISTURBED AREA, CONSIDER FENCING TO CONTROL TRAFFIC, DEFINE SEQUENCE OF CLEARING.
4. TOPSOIL, STOCKPILE FOR REUSE, DIVERT WATER, TRAP AND TREAT RUNOFF, TARP OR SEED IF STOCKPILE TO LAST FOR MORE THAN 21 DAYS.
5. PLAN SHOULD INDICATE REQUIRED MAINTENANCE & WHEN TO REMOVE ESC DEVICE.
6. ESTABLISH VEGITATIVE COVER, BREAK OVERALL PROJECT INTO PHASES FOR REVEGTATION, MINIMIZE LAPSED TIME FOR REVEGTATION, SEED AS YOU GO, SEPERATE TIME LINES FOR TRENCH AND HAUL ROAD.
7. SLOPE ALONG MAIN, DIVERT SHEET FLOW TO UNDISTURBED AREAS, REFER TO STD. DRAWING.
8. CONCENTRATED FLOW CROSSING, IMMEDIATE STABILIZATION, SELECT SOD OR BLANKETS, RESTRICT TIMING TO PERIOD OF NO RAIN FORECAST.
9. SLOPE ACROSS MAIN, DOWNHILL LOCATION OF TRENCH SPOIL STOCKPILE, CONSIDER DIVERSION OF CLEAN WATER PAST CONSTRUCTION AREA OUTLET PROTECTION, CONSIDER LIMITS OF DURATION & LINEAR EXTENT OF EXPOSED TRENCH & STOCKPILE.
10. TEMPORARY STREAM CROSSING, SELECT LOW WATER OR CULVERT CROSSING, BANK RESTORATION, REFER TO STREAM CROSSING STD. DRAWING.

LEGEND
- - GROUND CONSTRUCTION ENTRY
- - FLOW BARRIER
- - SILT FENCE
- - CONCENTRATED FLOW PATH
- - STOCKPILED MATERIAL
- - STABILIZED SOIL
- - EROSION PROTECTION

ESC IS EROSION AND SEDIMENT CONTROL DEVICE
# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
NOTICE OF INTENT (NOI)
GENERAL PERMIT TO DISCHARGE STORM WATER
CONSTRUCTION SITE ACTIVITIES

## OWNER INFORMATION

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<tr>
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<th>VALUE</th>
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<tbody>
<tr>
<td>NAME</td>
<td>OWNER TYPE (SELECT ONE AND TYPE &quot;X&quot;)</td>
</tr>
<tr>
<td>CITY</td>
<td>PRIVATE</td>
</tr>
<tr>
<td>ZIP</td>
<td>CITY</td>
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<tr>
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## CONTRACTOR INFORMATION

<table>
<thead>
<tr>
<th>FIELD</th>
<th>VALUE</th>
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<tbody>
<tr>
<td>NAME</td>
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## CONSTRUCTION SITE INFORMATION

<table>
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<th>VALUE</th>
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<tbody>
<tr>
<td>NAME</td>
<td>SELECT ONE</td>
</tr>
<tr>
<td>CITY</td>
<td>NEW SITE</td>
</tr>
<tr>
<td>ZIP</td>
<td>OFFERED PERMIT NUMBER</td>
</tr>
<tr>
<td>ST</td>
<td>AREA CODE</td>
</tr>
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## TYPE OF CONSTRUCTION (TYPE "X" FOR ALL THAT APPLY)

- [ ] RESIDENTIAL
- [ ] COMMERCIAL
- [ ] INDUSTRIAL
- [ ] RECONSTRUCTION
- [ ] TRANSPORTATION

## HISTORIC PRESERVATION AND ENDANGERED SPECIES COMPLIANCE (OPTIONAL)

<table>
<thead>
<tr>
<th>FIELD</th>
<th>VALUE</th>
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<tbody>
<tr>
<td>HAS THIS PROJECT SATISFIED APPLICABLE REQUIREMENTS FOR COMPLIANCE WITH ILLINOIS LAW ON:</td>
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<tr>
<td>HISTORIC PRESERVATION</td>
<td>YES</td>
</tr>
<tr>
<td>ENDANGERED SPECIES</td>
<td>YES</td>
</tr>
<tr>
<td>TOTAL SIZE OF CONSTRUCTION SITE IN ACRES:</td>
<td></td>
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</table>

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 ensure that qualified personnel properly gather and evaluate the information submitted. Based on my knowledge of the persons or persons who manage this system, I know that there is significant potential for submitting false information, including the possibility of fines 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.

**OWNER SIGNATURE:**

**DATE:**

---

**MAIL COMPLETED FORM TO:**

I L L I N O I S E N V I R O N M E N T A L P R O T E C T I O N A G E N C Y
DIVISION OF WATER POLLUTION CONTROL
ATTN: PERMIT SECTION
POST OFFICE BOX 18276
SPRINGFIELD, ILLINOIS 62711-9276

**LOG:**

**PERMIT:** ILR00

**DATE:**

Information required by this form must be provided to comply with 410 ILCS 805/1. Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

ILL 332 2104
WPC 929 NOV 99

71
GUIDELINES FOR COMPLETION OF NOTICE OF INTENT (NOI) FORM

Please adhere to the following guidelines to allow automated forms processing using Optical Character Recognition (OCR) technology.

- Submit original forms. Do not submit photocopies. Original forms can be obtained from:

  Illinois Environmental Protection Agency
  Division of Water Pollution Control
  Permits Section
  2200 Churchill Road
  P.O. Box 19276
  Springfield, IL 62794-9276
  or call (217) 782-0610

- Reports must be typed and signed. Do not staple.

- Center your information by typing within the allocated areas avoiding all lines which border the areas.

- Provide only one line of type per allocated area.

- Replace typewriter ribbons and clean as necessary to avoid smeared, faint or illegible characters.

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

<table>
<thead>
<tr>
<th>EXAMPLE</th>
<th>FORMAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAME: Smith John C</td>
<td>Last First Middle Initial</td>
</tr>
<tr>
<td>NAME: Taylor T J Mfg Co</td>
<td>Surname First (or initials) and remainder</td>
</tr>
<tr>
<td>NAME: LJ Trucking Co</td>
<td>Initials and remainder</td>
</tr>
<tr>
<td>DATE: 06/30/92</td>
<td>Month/day/year</td>
</tr>
<tr>
<td>SECTION: 12</td>
<td>1 or 2 numerical digits</td>
</tr>
<tr>
<td>TOWNSHIP: 12N</td>
<td>1 or 2 numerical digits followed by &quot;N&quot; or &quot;S&quot;</td>
</tr>
<tr>
<td>RANGE: 12W</td>
<td>1 or 2 numerical digits followed by &quot;E&quot; or &quot;W&quot;</td>
</tr>
<tr>
<td>AREA CODE: 217</td>
<td>3 numerical digits</td>
</tr>
<tr>
<td>TELEPHONE NUMBER: 782-0610</td>
<td>3 numerical digits followed by a hyphen and 4 more numerical digits</td>
</tr>
<tr>
<td>ZIP CODE: 62546</td>
<td>5 numerical digits only</td>
</tr>
</tbody>
</table>
Contractor Certification Statement

This certification statement is a part of the Storm Water Pollution Prevention Plan for the project described below, in accordance with NPDES Permit No. ILR10, issued by the Illinois Environmental Protection Agency on May 14, 1998.

Project Information:

<table>
<thead>
<tr>
<th>Route</th>
<th>Marked</th>
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<thead>
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I certify under penalty of law that I understand the terms of the general National Pollutant Discharge Elimination System (NPDES) permit (ILR 10) that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

<table>
<thead>
<tr>
<th>Signature</th>
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<table>
<thead>
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<table>
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<table>
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<tr>
<th>Telephone Number</th>
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</table>
IMPORTANT: FORM MUST BE TYPED TO ENABLE AUTOMATED OPTICAL PROCESSING.
SUBMIT ORIGINAL FORM - DO NOT SUBMIT PHOTOCOPY

ILI98 ENVIRONMENTAL PROTECTION AGENCY
CONSTRUCTION SITE STORM WATER DISCHARGE
INCIDENCE OF NON-COMPLIANCE (ION)

PERMIT NAME:

LAST    FIRST    MI.    SEX INSTRUCTIONS)

STREET:    CITY:    ST:    ZIP:

CONSTRUCTION SITE NAME:

COUNTY:    SECTION:    TOWNSHIP:    RANGE:

PHONE NUMBER:    AREA CODE:    TELEPHONE NUMBER:

DATE OF COMPLIANCE:

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

Signature:    TIME:    Date:

Return completed form to:
Illinois Environmental Protection Agency
Division of Water Pollution Control
Compliance Assurance Section #19
2200 Churchill Road
P.O. Box 19278
Springfield, IL 62794-6278

FOR OFFICE USE ONLY

LOG

PERMIT:    ILR10

DATE

This Agency is authorized to require this information under Illinois Revised Statutes, 1991, Chapter 111 1/2, Section 1028. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $10,000.00 per day of violation or a fine up to $35,000.00 per day of violation and imprisonment up to three years. This form has been approved by the Forms Management Center.
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 Plan. Please adhere to the following guidelines to allow automated forms processing using Optical Character Recognition (OCR) technology.

- Submit original forms. Do not submit photocopies. Original forms can be obtained from:

  Illinois Environmental Protection Agency
  Division of Water Pollution Control
  Permits Section
  2200 Churchill Road
  P.O. Box 19276
  Springfield, IL 62794-9276
  or call (217)782-0610

- Reports must be typed and signed. Do not staple.

- Center your information by typing within the allocated areas avoiding all lines which border the areas.

- Provide only one line of type per allocated area unless you are describing the cause of non-compliance, environmental impact, or actions taken.

- Replace typewriter ribbons and clean as necessary to avoid smeared, faint or illegible characters.

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

<table>
<thead>
<tr>
<th>EXAMPLE</th>
<th>FORMAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAME:</td>
<td>Last First Middle Initial</td>
</tr>
<tr>
<td>Smith John C</td>
<td></td>
</tr>
<tr>
<td>Taylor T J Mfg Co</td>
<td>Surname First (or initials) and remainder</td>
</tr>
<tr>
<td>LJ Trucking Co</td>
<td>Initials and remainder</td>
</tr>
<tr>
<td>DATE:</td>
<td>Month/day/year</td>
</tr>
<tr>
<td>06/30/92</td>
<td></td>
</tr>
<tr>
<td>SECTION:</td>
<td>1 or 2 numerical digits</td>
</tr>
<tr>
<td>12</td>
<td></td>
</tr>
<tr>
<td>TOWNSHIP:</td>
<td>1 or 2 numerical digits</td>
</tr>
<tr>
<td>12N</td>
<td>followed by &quot;N&quot; or &quot;S&quot;</td>
</tr>
<tr>
<td>RANGE:</td>
<td>1 or 2 numerical digits</td>
</tr>
<tr>
<td>12W</td>
<td>followed by &quot;E&quot; or &quot;W&quot;</td>
</tr>
<tr>
<td>AREA CODE:</td>
<td>3 numerical digits</td>
</tr>
<tr>
<td>217</td>
<td></td>
</tr>
<tr>
<td>TELEPHONE NUMBER:</td>
<td>3 numerical digits followed by a hyphen and 4 more numerical digits</td>
</tr>
<tr>
<td>782-0610</td>
<td></td>
</tr>
<tr>
<td>ZIP CODE:</td>
<td>5 numerical digits only</td>
</tr>
<tr>
<td>62546</td>
<td></td>
</tr>
</tbody>
</table>
NOTICE OF TERMINATION (NOT) OF COVERAGE UNDER THE NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES

OWNER INFORMATION

<table>
<thead>
<tr>
<th>NAME:</th>
<th>LAST</th>
<th>FIRST</th>
<th>MT. (SEE INSTRUCTIONS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAILING ADDRESS:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CITY:</td>
<td>ST.</td>
<td>ZIP:</td>
<td></td>
</tr>
<tr>
<td>CONTACT PERSON:</td>
<td>TELEPHONE NUMBER:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AREA CODE:</td>
<td>NUMBER:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

OWNER TYPE: (SELECT ONE AND TYPE "X")

- PRIVATE
- COUNTY
- STATE
- CITY
- SPECIAL DISTRICT
- FEDERAL

CONTRACTOR INFORMATION

<table>
<thead>
<tr>
<th>NAME:</th>
<th>LAST</th>
<th>FIRST</th>
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<tr>
<td>MAILING ADDRESS:</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>CITY:</td>
<td>ST.</td>
<td>ZIP:</td>
<td></td>
</tr>
<tr>
<td>TELEPHONE NUMBER:</td>
<td>AREA CODE:</td>
<td>NUMBER:</td>
<td></td>
</tr>
</tbody>
</table>

CONSTRUCTION SITE INFORMATION

| FACILITY NAME: | NPDES STORM WATER POLLUTION CONTROL PERMIT NUMBER: ILR10 |
| CITY: | ST. | ZIP: |
| COUNTY: | SECTION: | TOWNSHIP: |
| LATITUDE: | LONGITUDE: |
| DEG. MIN. SEC.: | DEG. MIN. SEC.: |
| 15 SECONDS | 15 SECONDS |

"I certify under penalty of law that disturbed soils at the identified facility have been properly stabilized or that no storm water discharges associated with industrial activity at the identified facility that are authorized by an NPDES general permit have otherwise been eliminated. I understand that by submitting this notice of termination, I am no longer authorized to discharge storm water associated with industrial activity to the wetlands associated with industrial activity to the wetlands associated with industrial activity to the wetlands 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."

OWNER SIGNATURE: ____________________________ DATE: ____________

MAIL COMPLETED FORM TO:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
ATTN: PERMIT SECTION
2200 CHURCHILL ROAD
PORT OFFICE BOX 19278
SPRINGFIELD, IL 62726-19278

LOG: _____ PERMIT: ILR10 DATE: ____________

FOR OFFICE USE ONLY

This Agency is authorized to require this information under Illinois Revised Statutes, 1997, Chapter 111/2, Section 100B. Disclosure of this information is required under that Section. Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.
GUIDELINES FOR COMPLETION OF NOTICE OF TERMINATION (NOT) FORM

Please adhere to the following guidelines to allow automated forms processing using Optical Character Recognition (OCR) technology.

- Submit original forms. Do not submit photocopies. Original forms can be obtained from:

  Illinois Environmental Protection Agency  
  Division of Water Pollution Control  
  Permits Section  
  2200 Churchill Road  
  P.O. Box 19276  
  Springfield, IL 62794-9276  
  or call (217)782-0610

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</tr>
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<td>Initials and remainder</td>
</tr>
<tr>
<td>SECTION: 12</td>
<td>1 or 2 numerical digits</td>
</tr>
<tr>
<td>TOWNSHIP: 12N</td>
<td>1 or 2 numerical digits followed by &quot;N&quot; or &quot;S&quot;</td>
</tr>
<tr>
<td>RANGE: 12W</td>
<td>1 or 2 numerical digits followed by &quot;E&quot; or &quot;W&quot;</td>
</tr>
<tr>
<td>AREA CODE: 217</td>
<td>3 numerical digits</td>
</tr>
<tr>
<td>TELEPHONE NUMBER: 782-0610</td>
<td>3 numerical digits followed by a hyphen and 4 more numerical digits</td>
</tr>
<tr>
<td>ZIP CODE: 62546</td>
<td>5 numerical digits only</td>
</tr>
</tbody>
</table>
**SWPPP INSPECTION REPORT**  
City of Champaign, Illinois

**PROJECT NAME:** _________________________________________________________________

**EROSION CONTROL PERMIT NO.** _________________________________________________

**INSPECTION TYPE** (circle one):  
- Routine Weekly  
- Post Rain

**DATE:** ___________________ FOR **WEEK ENDING:** ________________________________

**WEATHER:** ______________________________________________________________________

**DATE AND TIME OF LAST STORM EVENT:** ________________________________________

**INSPECTOR INFORMATION:** ____________________________________________________

- (PRINT NAME)   (TITLE)
- __________________________ ______________________
- ____________________________________________

- (SIGNATURE)

<table>
<thead>
<tr>
<th>NO.</th>
<th>DESCRIPTION</th>
<th>YES</th>
<th>NO</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Are all erosion control devices in-place and functioning in accordance with</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>the SWPPP and erosion control site map?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Are all sediment traps, barriers, and basins clean and functioning properly?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Are sediment controls in place at the site perimeter and storm drain inlets?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Are all discharge points free of any noticeable pollutants?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>Are construction accesses stabilized adequately?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>Is sediment, debris, or mud being cleaned from public roads where they</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>intersect with site access roads?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>Are all exposed slopes protected from erosion?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>Are all temporary stockpiles or construction materials located in approved</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>areas (as shown on map) and protected from erosion?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>Are dust control measures being appropriately implemented?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>Are all materials and equipment properly covered?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td>Are all material (paint, fuel, oil, etc.) handling and storage areas clean</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>and free of spills and leaks?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td>Are all equipment storage and maintenance areas clean and free of spills</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>and leaks?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13.</td>
<td>Is concrete washing conducted on-site? If so, are wash-out areas defined</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>and maintained properly?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.</td>
<td>Are there areas where construction activities have temporarily or permanently</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ended?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td>Is construction debris or other litter being blown off-site?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td>Are off-site material storage areas being managed properly?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17.</td>
<td>Is the Notice of Permit Coverage posted in a location where the public can</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>view it without entering the site?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18.</td>
<td>Other:</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

If any answer is “No”, describe needed corrections on reverse side. Indicate the location of needed corrections and date corrections are made on attached site map.
Storm Water Pollution Prevention Plan

Route ____________________________________________________________________________
Marked __________________________________________________________________________
Section ____________________________________________________________________________
Project No. ________________________________________________________________________
County ____________________________________________________________________________

This plan has been prepared to comply with the provisions of the NPDES Permit Number ILR10, issued by the Illinois Environmental Protection Agency 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.

_________________________________________  ________________
Signature                                      Date

_________________________________________
Title

1. Site Description

   a. The following is a description of the construction activity which is the subject of this plan (use additional pages, as necessary):

   b. The following is a description of the intended sequence of major activities which will disturb soils for major portions of the construction site, such as grubbing, excavation and grading (use additional pages, as necessary):

   c. The total area of the construction site is estimated to be __________ acres.
The total area of the site that it is estimated will be disturbed by excavation, grading or other activities is __________ acres.

d. The estimated runoff coefficients of the various areas of the site after construction activities are completed are contained in the project drainage study which is hereby incorporated by reference in this plan. Information describing the soils at the site is contained either in the Soils Report for the project, which is hereby incorporated by reference, or in an attachment to this plan.

e. The design/project report, hydraulic report, or plan documents, hereby incorporated by reference, contain site map(s) indicating drainage patterns and approximate slopes anticipated after major grading activities, areas of major soil disturbance, the location of major structural and nonstructural 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 a surface water.

f. The names of receiving water(s) and area extent of wetland acreage at the site are in the design/project report or plan documents which are incorporated by reference as a part of this plan.

2. Controls

This section of the plan addresses the various controls that will be implemented for each of the major construction activities described in 1.b. above. For each measure discussed, the contractor that will be responsible for its implementation is indicated. Each such contractor has signed the required certification on forms which are attached to, and a part of, this plan:

a. Erosion and Sediment Controls

   (i) 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: temporary seeding, permanent seeding, mulching, geotextiles, soil stabilization, vegetative buffer strips, protection of trees, preservation of mature vegetation, and other appropriate measures. Except as provided in 2.a.(i).A) and 2.b., stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased on all disturbed portions of the site where construction activity will not occur for a period of 21 or more calendar days.

   (A) where the initiation of stabilization measures by the 14th day after construction activity temporarily or permanently ceases is precluded by snow cover, stabilization measures shall be initiated as soon as practicable thereafter.

Description of Stabilization Practices (use additional pages, as necessary):
(ii) **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 silt fences, earth dikes, drainage swales, sediment traps, check dams, 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.

Description of Structural Practices (use additional pages, as necessary):
b. Storm Water Management

Provided below is a description of measures that will be installed during the construction process to control 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.

(i) Such practices may include: 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 Section 10-300 (Design Considerations) in Chapter 10 (Erosion and Sedimentation Control) of the Illinois Department of Transportation Drainage Manual. If practices other than those discussed in Section 10-300 are selected for implementation or if practices are applied to situations different from those covered in Section 10-300, the technical basis for such decisions will be explained below.

(ii) Velocity dissipation devices will be placed at discharge locations and along the length of any outfall channel as necessary to provide a non-erodive 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 Storm Water Management Controls (use additional pages, as necessary):
INSTALL DRIVEWAY CULVERT IF ROADSIDE DITCH IS PRESENT
STABILIZED LOT ENTRANCE:

**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.
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 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 50 for woven.
3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.
SILT FENCE NOTES:

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

GRASS BUFFER STRIP

NOTES
GRASS BUFFER STRIP

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.

<table>
<thead>
<tr>
<th>SLOPE OF LAND %</th>
<th>WIDTH OF FILTER STRIP FOR GRASSED AREAS (FT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>10</td>
</tr>
<tr>
<td>2</td>
<td>12</td>
</tr>
<tr>
<td>4</td>
<td>14</td>
</tr>
<tr>
<td>6</td>
<td>16</td>
</tr>
<tr>
<td>8</td>
<td>18</td>
</tr>
<tr>
<td>10</td>
<td>20</td>
</tr>
<tr>
<td>15</td>
<td>25</td>
</tr>
</tbody>
</table>

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.
SUPER SILT FENCE

PERIMETER BARRIER - SILT FENCE WITH WIRE SUPPORT DETAIL

Mesh Support 6' Square (Max.)

Fastener - Min. No. 10 Cage Wire
4 Per Post Required. (Typ.)

8' Max
(Typ)

2' Min

18' Min
(Typ)

ELEVATION

Filter Fabric

Direction Of Flow

Undisturbed Ground Line

3' Min Wire Mesh In Trench

Compacted Backfill

FABRIC ANCHOR DETAIL

NOTES:
1. Wires of mesh support shall be min. gage no. 12.
2. 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.
3. Filter fabric shall meet the requirements of material specification 592 Geotextile Table for 2, Class I with equivalent opening size of at least 30 for nonwoven and 50 for woven.
4. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.
SUPER SILT FENCE NOTES:

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.
WELDED WIRE INLET PROTECTION

SPECIFICATIONS

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

1. 36" wide geotextile fabric shall be Mirafi® FF101. Mirafi® FF101 is composed of high-tensile monofilament polypropylene yarns, which are woven into a stable network such that the yarns retain their relative position. FF101 is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

2. 6" x 6" welded wire mesh geotextile composite, shall be 30" tall, formed and secured into a 42" maximum diameter circle.


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

Geotextile

<table>
<thead>
<tr>
<th>Mechanical/Physical Properties</th>
<th>Description/Minimum Average Roll Values</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Structure</td>
<td>Woven Monofilament Polypropylene</td>
<td></td>
</tr>
<tr>
<td>Polymer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>U.V. Resistance (@ 500hrs)</td>
<td>80% Strength Retained</td>
<td>ASTM D4355</td>
</tr>
<tr>
<td>Permeability</td>
<td>2.9 Sec-1</td>
<td>ASTM D4491</td>
</tr>
<tr>
<td>Flow Rate</td>
<td>100 gpm ft²</td>
<td>ASTM D4491</td>
</tr>
<tr>
<td>Grab Tensile Strength (md)</td>
<td>130 lbs</td>
<td>ASTM D4652</td>
</tr>
<tr>
<td>AOS (U.S. Sieve)</td>
<td>30</td>
<td>ASTM D4751</td>
</tr>
<tr>
<td>Millen Burst Strength</td>
<td>175 psi</td>
<td>ASTM D3786</td>
</tr>
<tr>
<td>Color</td>
<td>Orange or Black</td>
<td></td>
</tr>
</tbody>
</table>

Welded Wire Mesh
6" x 6" welded wire mesh shall be formed of 10 gauge steel conforming to ASTM A-185.

SILT FENCE FABRICATORS, LLC
P.O. BOX 36
GREENWOOD, IN 46142
PHONE: (317) 888-0599
Rev. 2/12/05
WELDED WIRE INLET PROTECTION NOTES:

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 breakdown, 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.
INLET FILTER PROTECTOR

INLET FILTER PROTECTOR

INLET FILTER SPECIFICATION

NOTE: Inlet filters are slightly smaller than the filter frame. When identifying or specifying filters/castings please refer to the diameter (D), width (W) and height (H) of filter frame or casting grate. You may also refer to our standards.

All Products Manufactured by Inlet & Pipe Protection, Inc.
www.inletfilters.com
(847) 722-0690 ph
(847) 364-5262 fx
sales@inletfilters.com

IDOT Specifications as outlined in Article 1081.15 of IDOT's Standard Specifications Guide.

INLET PROTECTION
INLET FILTER PROTECTOR

THE FOLLOWING PRODUCTS ARE APPROVED FOR INLET PROTECTION

IPP INLET FILTERS
3535 Stackinghay
Naperville, IL 60564
847-722-0690 Telephone
847-364-5262 Fax
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

OTHER PRODUCTS CAN BE SUBMITTED FOR REVIEW AND APPROVAL
INLET FILTER PROTECTORS

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.
ROCK CHECK DAM:

GEOTEXTILE (OPTIONAL)

(DOWNSTREAM VIEW)

3-6 IN. COARSE AGGERATE

FLOW

2H:1V

3' 3'

SPACING BETWEEN CHECK DAMS:

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

SOURCE: MODIFIED ILLINOIS URBANA MANUAL, 1995
ROCK CHECK DAM:

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.
TRIANGULAR SILT DIKE:

TRIANGULAR SILT DIKE INSTALLATION
FOR
ROADWAY DITCH OF DRAINAGE DITCH

SILT DIKE UNIT
CUT SECTION

SILT DIKE

* STAPLES SHALL BE PLACED WHERE
  THE UNITS OVERLAP AND IN THE
  CENTER OF THE "I" UNIT AS
  SHOWN ON THE DIAGRAM.

* POINT "I" MUST BE HIGHER THAN POINT "II" TO
  ENSURE THAT WATER FLOWS OVER THE DIKE
  AND NOT AROUND THE INSL.

DIKE SECTION
DETAIL B-B
TRIANGULAR SILT DIKE NOTES:

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.
CONCENTRATED FLOW CONTROLS

TURF REINFORCEMENT MAT:

SOURCE: APWA KANSAS CITY METRO CHAPTER
CONCENTRATED FLOW CONTROLS

TURF REINFORCEMENT MAT:

1. 1x4 TRIANGULAR SURVEY STAKE – MINIMUM 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. 11 GAUGE STEEL – MINIMUM 1” WIDE BY 6” IN LENGTH STEEL STAPLE – 2”x8” STAPLE MAY BE REQUIRED IN CERTAIN SOIL CONDITIONS.

3. STEEL PIN – 3/16 DIAMETER STEEL PIN BY 18” IN LENGTH WITH A 2” DIAMETER WASHER ON TOP. (SEE ILLUSTRATION)

4. STAPLES OR ANCHORING METHODS AND RECOMMENDATIONS VARY BY MANUFACTURERS. THE EXPECTATIONS OF HIGH VELOCITIES SHOULD DICTION THE USE OF MORE SUBSTANTIAL ANCHORING.

SOURCE: APWA KANSAS CITY METRO CHAPTER
EROSION CONTROL BLANKET

NOTES:
1. APPROXIMATELY 200 STAPLES REQUIRED PER 100 SQ. YDS. OF MATERIAL ROLL. CHECK MANUFACTURER’S RECOMMENDATIONS FOR SPECIFIC INSTALLATION ANS STAPLING REQUIREMENTS.

12” MAX. 4H:1V OR FLATTER
6” MAX. STEEPER THAN 4H:1V

OVERLAP ENDS AND EDGES A MINIMUM OF 6 INCHES AND Staple EVERY 6 INCHES

5’ MAX. 4H:1V OR FLATTER
3’ MAX. STEEPER THAN 4H:1V

CHECK SLOT *

PLAN VIEW
STAPLING DIAGRAM:

*CHECK SLOTS AT MIN. 50’ INTERVALS; NOT REQ’D WITH ALL ”COMBINATION” BLANKETS.

SOURCE: MODIFIED ILLINOIS URBANA MANUAL, 1995
TYPICAL ORIENTATION OF EROSION CONTROL BLANKET

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.

SOURCE: MODIFIED ILLINOIS URBANA MANUAL, 1995
EROSION CONTROL BLANKET

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.
EROSION CONTROL BLANKET NOTES (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.

SOURCE: MODIFIED ILLINOIS URBANA MANUAL, 1995
SODDING:

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.

INCORRECT

CORRECT

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 $\frac{1}{2}$” thick.

ROOT ZONE:
Soil and roots should be $\frac{1}{2}$ – $\frac{3}{4}$” thick with dense root mat for strength.

SOURCE: MODIFIED ILLINOIS URBANA MANUAL, 1995
PUMP DISCHARGE FILTER BAG:

A) GENERAL NOTES:

- The PUMP DISCHARGE GIRL will have an opening large enough to accommodate the hose to be placed in the sand filter.
- The DISCHARGE hose should be tied off tightly to stop the water from flowing out of the opening. The PUMP DISCHARGE GIRL should be placed on an aggregate bed to allow water to flow through all surfaces of the bag.

B) INSPECTION AND MAINTENANCE:

1. The DISCHARGE GIRL should be a considered full when it is impractical for the bag to filter out sediment at a reasonable rate and should be replaced with a new DISCHARGE GIRL.

- The DISCHARGE GIRL is made of a filtering material to allow water to pass through the bag.
- The DISCHARGE GIRL should be placed in the aggregate or straw.
CONCRETE WASHOUT FACILITIES

PLAN
NOT TO SCALE
TYPE "BELOW GRADE"

SECTION A--A
NOT TO SCALE

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 BMP HANDBOOK
CONCRETE WASHOUT FACILITIES

SOURCE: CALIFORNIA STORM WATER BMP HANDBOOK
CONCRETE WASHOUT FACILITIES NOTES

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.
CONCRETE WASHOUT FACILITIES NOTES

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.