STORMWATER
POLLUTION PREVENTION
PLAN

BYRON COMMUNITY
UNIT SCHOOL DISTRICT 226
BYRON HIGH SCHOOL
696 N. COLFAX STREET    BYRON, IL 61010

PROJECT’S #:
CE09020 – East parking improvement
CE09051 – West parking improvement

April 8, 2009

PREPARED BY:

W-T Civil Engineering, LLC
2675 Pratum Avenue
Hoffman Estates, IL 60192
Tel (224) 293-6333    Fax (224) 293-6444
This plan has been prepared to comply with the provisions of the NPDES Permit Number ILR10 – to be determined once issued by the State.

This plan shall be retained on-site at the facility, which generates the storm water discharge in accordance with Part VI.E (Duty to Provide information) of the NPDES Permit Number ILR10 – to be determined once issued by the State.

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 violation.

Design Engineer

Signature

Jason E. Green, PE, CPESC
Name (Print)

Vice President
Title

Owner

Signature

Name (Print)

Title
1. SITE DESCRIPTION

a. The following is a description of the construction activity which is the subject of this plan:

WT Civil Engineering LLC (on behalf of Byron High school) proposes the improvements of a school parking lots. The closest streets bordering the site are: North Colfax Street on the east side and West 2nd Street on the South side, also Dakota Minnesota and Eastern (DM&E) railroad on the north side. The development includes a demolition of existing pavement, construction of the new parking at the east, north and west sides of existing building, reconstruction of northeast site entrance, driveways, concrete sidewalks and two (2) detention ponds are also proposed for this development.

b. The following is a description of the intended construction sequence for the project:

1. Installation of the temporary perimeter controls (silt fences), and storm drain protection – prior to any earth moving operations. The temporary perimeter controls and storm drain protection will not be removed until all construction activities at the site are complete and soils have been permanently stabilized.

2. Installation of temporary stabilized construction entrance.

3. Water pumped or otherwise discharged from the site during construction dewatering shall be filtered.

4. Stripping and stockpiling of topsoil and rough grading. Temporary stabilization within 3 days for topsoil stockpile, and within 7 days elsewhere.

5. Demolition of existing items and trees as noted on the site demolition plan.

6. Demolition of existing utilities as noted on the utility plan. Installation of proposed underground utilities. Install new silt fence inlet protection on new storm inlets. Areas around rims should be excavated to raise rim above ground surface.

7. Preparation of subbase for pavement installation, and installation of new curb and gutter.

8. Asphalt and concrete pavement installation.

   a. Permanent landscape installation or temporary stabilization shall be provided within 7 days of final grading.

10. Erosion and sedimentation control measures shall be the responsibility of the general contractor, and shall be continually maintained as follows:
   a. The entrance shall be maintained in a condition, which will prevent tracking or flowing of sediment onto public Rights-of-Way. This may require repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public Rights-of-Way shall be cleaned immediately.

   b. Daily inspection and needed maintenance shall be provided.

   c. Temporary cover shall be continuously maintained until permanent cover is established. (Landscaping/grass seed is considered temporary until it is capable of surviving severe weather conditions.)

   d. Inlets and drainage ways shall be inspected and cleaned periodically and before maintenance responsibility expires.

   e. Erosion and sedimentation control measures shall be inspected after each significant precipitation event.
f. Concrete truck washout to be limited to designated areas. Concrete remnants to be disposed of off-site at the end of the construction period.

c. The total site area is 99.98 +/- acres. The total area of the site that will be disturbed is 7.06 +/- acres.

d. The weighted runoff coefficient (CN) of the developed area, under proposed conditions, will be 94. The proposed impervious area is 6.2 +/- acres and the proposed disturbed pervious area is 0.86 +/- acres. 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 documents contain site map(s) indicating current and proposed drainage patterns.

f. The onsite storm water runoff will be conveyed to the existing detention pond via storm sewer.

2. CONTROLS

This section of the plan addresses the various controls that will be implemented during the construction process (see section 1.b. above for reference). It is the responsibility of the General Contractor for the implementation of all control measures.

a. Erosion and Sediment Controls

   i) Stabilization Practices – includes temporary seeding and permanent seeding. A description of each is provided below. Except where provided in paragraphs (A) and (B) below, 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 7 days after the construction activity in that portion of the site has temporarily or permanently ceased as follows:

   - Temporary Seeding – General grass seed will be applied to the topsoil stockpile if it will remain dormant for 3 days or longer, and to the rest of the site if it will remain dormant for 7 days or longer.

   - Permanent Seeding – Class 2A seeding and erosion control blanket will be applied to all disturbed green spaces after completion of final grading.

   (A) Where the initiation of stabilization measures by the 7th day after construction activity temporarily or permanently ceases on a portion of the site is precluded by snow cover, stabilization measures shall be initiated as soon as practicable.

   (B) Where construction activity will resume on a portion of the site within 14 days from when activities ceased, (e.g. the total time period that construction activity is temporarily ceased is less than 14 days) then stabilization measures do not have to be initiated on that portion of site by the 7th day after construction activity temporarily ceased.

A record of the dates when major grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated must be kept on the form below.

W-T CIVIL ENGINEERING, LLC
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 include – temporary perimeter erosion fence, temporary inlet protection, temporary erosion control blanket, permanent turf reinforcement mat and stone riprap. The installation of these devices may be subject to section 404 of the Clean Water Act.

- Temporary Perimeter Erosion Fence – A silt filter fence will be used in all areas where runoff from disturbed areas has the potential to travel offsite or into swales, ditches, ponds, wetlands, or other natural water bodies and placed in such to intercept waterborne silt and prevent it from leaving the site.

- Temporary Inlet Protection – Storm drain protection devices will be utilized in order to reduce the amount of silt entering the storm sewer and will be used on all existing and proposed storm sewer inlets where runoff from disturbed areas is collected.

- Temporary Erosion Control Blanket – Erosion control blanket will be utilized to protect sloped areas of exposed soil from erosion until permanent ground cover has been established.

- Stone Riprap – Class R4 stone riprap with filter fabric will be used as protection at the inlet and outlets of flared end sections and at emergency overflow swales from the east and west ponds in order to slow and cleanse the stormwater of waterborne silt.

- Check Dams – check dams will be installed in swales in order to slow and cleanse the stormwater.

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 complete. The installation of these devices may be subject to Section 404 of the Clean Water Act.

i) Such practices include: flow attenuation by use of open vegetated swales, catch basins and natural depressions; infiltration of runoff on the site. 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” and the Illinois Environmental Protection Agency’s “Illinois Urban Manual”, 2002.

ii) Velocity dissipation devices will be placed at flared end section (inlet and outlet) locations and along the length of any temporary 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.
c. Other Controls

i. **Waste Disposal** - No Solid materials, including building materials, shall be discharged into waters of the state, except as authorized by a Section 404 permit.

ii. The provisions of this plan shall ensure and demonstrate compliance with applicable State and/or local waste disposal, sanitary sewer or septic system regulations.

iii. **Storage of Hazardous or Toxic Materials** - Toxic or hazardous materials must be stored in a controlled area using best management practices to minimize potential for soil or storm water contamination. All materials shall be stored in an area that is not accessible to the public such as locked boxes, locked vehicles, inside buildings under construction or in fenced area. No toxic or hazardous materials shall be stored up gradient of any storm drainage structure unless spill containment controls such as sandbags are in place. The contractor shall report any spillage or leak to appropriate agencies and site remediation shall be performed to remove all contamination from the site.

iv. **Portable Toilets** - The contractor shall provide and maintain temporary bathroom facilities during construction to accommodate all workers. These facilities shall be self-contained with no discharge. Waste removed from these facilities shall be disposed of properly offsite.

v. **Vehicle maintenance and Storage** - If maintenance must occur onsite, the contractor will use designated areas located away from drainage courses to prevent the run on of storm water and the runoff of spills. The contractor shall use secondary containment, such as drip pans or drop cloths to catch spills or leaks. Onsite vehicles and equipment will be inspected regularly and repaired immediately.

vi. **Vehicle and Equipment Cleaning (Concrete washout area)** - Use off-site commercial washing businesses as much as possible. If washing of vehicles and equipment must occur onsite, use designated bermed wash areas to prevent wash water contact with receiving waters. Area to be clearly marked as “Concrete wash out area”. The wash area can be sloped for wash water collection and subsequent infiltration into the ground. The contractor shall use phosphate-free biodegradable soaps. The contractor shall educate employees and subcontractors on pollution prevention measures. Steam cleaning will not be permitted onsite. Use siphon system to pump out water.

vii. **Vehicle and Equipment Fueling** - Use off-site fuelling station as much as possible. If fueling of vehicles and equipment must occur onsite, use designated areas, located away from drainage course, to prevent the run-on of storm water and the runoff of spills. “Topping off” fuel tanks will be discouraged. The contractor shall use secondary containment. (Double lined tanks are considered secondary containment.)

viii. **Construction Entrance** - A construction Entrance is a stabilized pad of 2-inch or larger rock located at any point where vehicles or equipment leave a construction site and enter a public right-of-way, street, alley, sidewalk, or parking area. A stabilized Construction Entrance is intended to reduce off-site sedimentation and improve public safety by eliminating the tracking or other movement of sediment onto public rights-of-way. Construction Entrance width 25 feet min., and length 75 feet min.

ix. **Topsoil Stockpiling** - Stockpiling is the salvaging, storing, protecting, and use of topsoil to enhance final site stabilization and support selected vegetation. Location for a stabilized stockpile that will not erode, block drainage, or interfere with work on the site. Topsoil
stockpiles should be located on flat ground if possible, and protected by a silt fence or other sediment barrier on the down gradient sides. Topsoil that will not be used for more than 3 days should be seeded as noted in section 2.a.i above.

x. **Subcontractor Equipment** - All subcontractors shall be notified regarding the SWPPP and shall be advised as to how it pertains to their activities on the site. Specifically, all vehicles shall be required to utilize the stabilized site entrance and parking and to use the controlled wash down area. All supplies that pose a threat to storm water quality shall be kept in vehicles or inside structures under construction. All waste material is to be disposed of property.

d. Approved State or local Plans

(i) The management practices, controls and other provisions contained in the storm water pollution prevention plan must be at least as protective as the requirements contained in the Illinois Environmental Protection Agency’s Illinois Urban Manual, 2002. Facilities which discharge storm water associated with construction site activities must include in the storm water pollution prevention plan procedures and requirements specified in applicable sediment and erosion site plans or storm water management plans approved by local officials. Requirements specified in sediment and erosion site plans or site permits or 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 this permit, incorporated by reference and are enforceable under this permit. The plans shall include all requirements of this permit and include more stringent standards required by any local approval. This provision does not apply to provisions of master plans, comprehensive plans, non-enforceable guidelines or technical guidance documents that are not identified in a specific plan or permit that is issued to the construction site.

(ii) Dischargers seeking alternative permit requirements are not authorized by this permit and shall submit an individual permit application in accordance with 40 CFR 122.26 at the address below, along with a description of why requirements in approved local plans of permits should not be applicable as a condition of an NPDES permit.

Illinois Environmental Protection Agency
Division of Water Pollution Control, Mail Code #15
Attention: Permit Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276
3. MAINTENANCE

The following is a description of procedures that will be used to maintain, in good and effective operating conditions, vegetation, erosion and sediment control measures and other protective measures identified in this plan.

During construction the contractor shall:

- Clean up and grade the work area to eliminate concentration of runoff.
- Cover the open ends of pipes in trenches at the close of each working day.
- Inspect, maintain or replace (at inspector’s discretion) erosion and sediment control items.

Prior to any landscaping/restoration work, the contractor shall:

- Remove and dispose of silt retained by the temporary ditch checks.
- Reinstall temporary ditch checks after cleaning, remove and replace plugged filter fence storm drain protection devices.
- All maintenance of erosion control systems will be the responsibility of the contractor. All locations where vehicles enter and exit the construction site and all other areas subject to erosion should also be inspected periodically. Inspection of these areas shall be conducted at least once every seven days and within 24 hours of the end of each 0.5 inches or greater or rainfall, or 5 inches or greater of snowfall.
- The contractor shall follow inspection procedures as outlined in 4.a-d below.

Following construction, the owner shall:

- Clean sedimentation out of the catch basins as necessary.
- Cut the grass within the detention facility as necessary.

4. INSPECTIONS

Qualified personnel (provided by the permittee) shall inspect disturbed areas of the construction site that have not been finally stabilized, structural control measures, and location where vehicles enter or exit the site at least once every seven (7) calendar days and within 24 hours of the end of a storm that is 0.5 inches or greater or equivalent snowfall. Qualified personnel means a person knowledgeable in the principles and practices of erosion and sediment control measures, such as a licensed Professional Engineer (P.E.) and a Certified Professional in Erosion and Sediment Control (CPESC), a Certified Erosion Sediment and Storm Water Inspector (CESSWI) or other knowledgeable person who possesses the skills to assess conditions at the construction site that should impact storm water quality and to assess the effectiveness of any sediment and erosion control measures selected to control the quality of storm water discharges from the construction activities.
a. Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the plan shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ensure that they are operating correctly. Locations where vehicles enter or exit the site shall be inspected for evidence of offsite sediment tracking. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.

b. Based on the results of the inspection, the description of potential pollutant sources identified in section 1 above and pollution measures identified in section 2 above shall be revised as appropriate as soon as practicable after such inspection. Any changes to this plan resulting from the required inspections shall be implemented within 7 calendar days following the inspection.

c. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of this storm water pollution prevention plan, and actions taken in accordance with section 4.b. shall be made and retained as part of the plan for at least three (3) years after the date of the inspection. The report shall be signed in accordance with Part VI.G of this permit.

d. The permittee shall notify the appropriate Agency Field Operation Section office by email at: epa.swnoncomp@illinois.gov, telephone or fax within 24 hours of any incidence of noncompliance for any violation of the storm water pollution prevention plan observed during any inspection conducted or for violations of any condition of this permit. The permittee shall complete and submit within 5 days an “Incidence of Noncompliance” (ION) report for any violation of the storm water pollution prevention plan observed during any inspection conducted, or for violations of any condition of this permit. Submission shall be on forms provided by the Agency and 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. A copy shall also be mailed to the following address:

W-T CIVIL ENGINEERING, LLC
ATTN: JASON GREEN
2675 PRATUM AVENUE
HOFFMAN ESTATES, ILLINOIS 60192

e. All reports of noncompliance shall be signed by a responsible authority as defined in Part VI.G (Signatory Requirements) of this permit.

Illinois Environmental Protection Agency
Division of Water Pollution Control, Mail Code #15
Attention: Permit Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

W-T CIVIL ENGINEERING, LLC
5. NON-STORM WATER DISCHARGES

Except for flows from fire fighting activities, sources of non-storm water that is combined with storm water discharges associated with the industrial activity addressed in this plan are described below. Appropriate pollution prevention measures, as described below, will be implemented for the non-storm water component(s) of the discharge.

Landscape Watering – Water used for new seed and landscape installation will be applied at a rate that will be absorbed into the soil, and not create surface runoff. If runoff occurs, the silt fences and inlet protection fabric will remove sedimentation.

Dust Control Watering - Water used for the purpose of controlling airborne dust as necessary shall be pumped and filtered before it is allowed to leave the site.

Vehicle and Equipment Cleaning - Use off-site commercial washing businesses as much as possible. If washing of vehicles and equipment must occur onsite, use designated bermed wash areas to prevent wash water contact with receiving waters, with the area to be clearly marked as “Concrete wash out area”. The wash area can be sloped for wash water collection and subsequent infiltration into the ground. The contractor shall use phosphate-free biodegradable soaps. The contractor shall educate employees and subcontractors on pollution prevention measures. Steam cleaning will not be permitted onsite. Use siphon system to pump out water.
“I certify under penalty of law that I understand the terms and conditions of the general National Pollution Discharge Elimination System (NPDES) permit (ILR10) that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification. Further, by my signature, I understand that I am fully responsible along with all other contractors and subcontractors signing such certifications who are performing work activities under this contract, to comply with all provisions and requirements for the NPDES General Permit for Storm Water Discharges from Construction Activities and this Storm Water Pollution Prevention Plan (SWPPP). I understand that I, and my company, are legally required under the Clean Water Act, to ensure compliance with the terms and conditions of NPDES storm water permit and SWPPP developed under the NPDES stormwater permit. I further certify that I, and my company will provide all necessary training and continuing education to all applicable personnel and subcontractors to ensure a complete understanding of all provisions and requirements of the NPDES General Permit for Storm Water Discharge for Construction Activities and Storm Water Pollution Prevention Plan prior to each of these entities beginning any work activities on this site.”

“I certify under penalty of law that I will coordinate, either through the Owner or directly with the Subcontractor(s) identified in the Pollution Prevention Plan having responsibility for implementing storm water measures to minimize any impact my actions may have on the effectiveness of these storm water control measures.”

Name: ____________________________
(Print)

Signature: __________________________

Title: _____________________________

Company Name: ____________________

Address: ___________________________

Telephone Number: __________________

Date: _______________________________

Scope of Services: ______________________

Date: _______________________________

Received By: _______________________  [Name]

This form must be signed by a responsible corporate office of the General Contractor or other party meeting the “Signatory Requirements” park VI.G of the NPDES Permit NO. ILR10
Sub-Contractor Certification

Construction Site: BYRON COMMUNITY
UNIT SCHOOL DISTRICT 226
BYRON HIGH SCHOOL
696 N. COLFAX STREET BYRON, IL 61010

“I certify under penalty of law that I understand the terms and conditions of the general National Pollution Discharge Elimination System (NPDES) permit (ILR10) that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.”

Name: ____________________________________________
(Print)

Signature: _________________________________________

Title: ______________________________________________

Company Name: _____________________________________

Address: ____________________________________________

Telephone Number: __________________________________

Date: ________________________________________________

Scope of Services: ____________________________________

Name: ____________________________________________
(Print)

Signature: _________________________________________

Title: ______________________________________________

Company Name: _____________________________________

Address: ____________________________________________

Telephone Number: __________________________________

Date: ________________________________________________

Scope of Services: ____________________________________

W-T CIVIL ENGINEERING, LLC
EVIDENCE OF COMPLIANCE WITH OTHER LAWS

Endangered Species Act

Illinois Department of Natural Resources (INDR) for Biological Resource

National Historic Properties Act of 1966

Illinois Historic Preservation Agency (IHPA) for cultural resources review

State Endangered and Threatened Species

References

### Appendix A:
Record of Construction Activities

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<thead>
<tr>
<th>Date</th>
<th>Description of Activity</th>
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Description of Activity: __________________________________________________________

Date: __________________

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Date: __________________

Description of Activity: __________________________________________________________

Date: __________________

Description of Activity: __________________________________________________________
Appendix B:
Site Grading Plan
Appendix C:  
Soil Erosion Control Plan
MAP LEGEND

Area of Interest (AOI)

Soils

Soil Ratings

A
A/D
B
B/D
C
C/D
D
Not rated or not available

Political Features

Water Features

Oceans

Streams and Canals

Transportation

Rails

Interstate Highways

US Routes

Major Roads

Local Roads

MAP INFORMATION

Map Scale: 1:2,990 if printed on A size (8.5" × 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:12,000.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
Coordinate System: UTM Zone 16N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Ogle County, Illinois
Survey Area Data: Version 7, May 14, 2008

Date(s) aerial images were photographed: 6/20/2007

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.
Hydrologic Soil Group

Hydrologic Soil Group— Summary by Map Unit — Ogle County, Illinois

<table>
<thead>
<tr>
<th>Map unit symbol</th>
<th>Map unit name</th>
<th>Rating</th>
<th>Acres in AOI</th>
<th>Percent of AOI</th>
</tr>
</thead>
<tbody>
<tr>
<td>290B</td>
<td>Warsaw loam, 2 to 5 percent slopes</td>
<td>B</td>
<td>0.0</td>
<td>0.1%</td>
</tr>
<tr>
<td>440A</td>
<td>Jasper loam, 0 to 2 percent slopes</td>
<td>B</td>
<td>31.1</td>
<td>74.4%</td>
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<tr>
<td>623A</td>
<td>Kishwaukee silt loam, 0 to 2 percent slopes</td>
<td>B</td>
<td>10.6</td>
<td>25.4%</td>
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<tr>
<td><strong>Totals for Area of Interest</strong></td>
<td></td>
<td><strong>41.8</strong></td>
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<td><strong>100.0%</strong></td>
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Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition
Component Percent Cutoff:  None Specified
Tie-break Rule:  Lower
Appendix E:
BMP inspections checklist
BMP Inspection Checklist

**General notes about Inspections**

1. Site inspected regularly (Proportional to amount of construction activity)
2. **Minimum monthly** inspections
3. Within 24 hours of the end of a storm with rain >0.5"
4. Deficiencies corrected within 7 calendar days of inspection

--------------------------------------------------------------------------------------------------------------------------------------

**Inlet Barriers** (ie: sand bags, gutter buddies, straw wattles)

- Is the structure deteriorating
- Is sediment > 1/2 the height of structure?
- Evidence of water/sediment getting **around or under** barrier?
- Are there other structures that require inlet barriers?

**Sediment Barriers** (ie: ditch checks)

- Are they trenched in or falling down?
- Evidence of sediment/water getting **around or under** barrier?
- Is sediment more than 1/2 height of structure?
- Are there areas where more sediment barriers are required or need **extended**?

**Perimeter Control** (ie: silt fence, straw wattles)

- Is all the off-site water being diverted where applicable?
- Evidence of water/sediment getting **around or under** barrier?
- Are there areas that need extended or additions to other locations?

**Stabilized Construction Entrance**

- Is gravel clean or getting filled with mud?
- Evidence of sediment being tracked off site onto public streets?

**Stream Crossing**

- Is crushed stone in place?
- Wash outs?

**Final or temporary Stabilization area**

- Mulches/Grasses- are areas thinning or have been disturbed? Re-application req’d?
- Straw Blankets- are they deteriorating and need replaced?

**Borrow Areas**

- When on site or offsite borrow areas, which include contractor furnished, are to be excavated below ground elevations, an earth berm must be constructed around the borrow area to prevent runoff from entering excavation area

**Sediment Basin**

- Note the basin depth. Is the basin more than ½ full of sediment from original design?
- Condition of basin side slopes
- Evidence of overtopping embankment
- Condition of outfall

**General Site Conditions**

- Trash barrels- any evidence of trash lying around site
- Location of porta potties
- Leaking vehicles
- Concrete Washouts Designated
Appendix F:
Erosion and Sediment control Inspection Report Form
Erosion and Sediment Control Inspection Report Form

Project Name and Location

Weather: ________________________________

Pollution Control Measures (BMP) Checklist:

- Inlet Barrier (ie: gravel bags)
- Sediment Barriers (ie: ditch checks)
- Erosion Blankets, Hydromulch / Seed, etc
- Stabilized Construction Entrance
- Stream Crossings
- Seed / Sod Areas
- Sediment Basins & Discharge Locations
- Borrow Areas
- General Site Condition (trash, etc)

Rain in last 24 hrs (inches): ________________________________

Owner / Permittee: ________________________________

A. Current Construction / Active Areas:

B. Problem Areas / Special Observations(*Note problem areas ONLY below*):

<table>
<thead>
<tr>
<th>BMP</th>
<th>Location</th>
<th>Observations, Effectiveness, &amp; Corrective Actions Ordered</th>
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C. Listing of Areas where construction operations have permanently or temporarily stopped; stabilization measures initiated.

D. Have items noted on last inspection been corrected? Yes No (if No, Explain:)

Note: Inspection comments above indicate deficiencies only. Deficiencies must be corrected within 7 days, unless otherwise noted. All other BMP’s on site are considered to be in good working condition.

Date of Inspection

Inspector Signature

Appendix G:
Stormwater Pollution Prevention Plan (SWPPP) Record of Amendments
Stormwater Pollution Prevention Plan (SWPPP)  
Record of Amendments

---

**Project Name and Location**

---

**Owner/Permittee**

---

**SWPPP Preparer (Engineer or other Qualified Profession)**

<table>
<thead>
<tr>
<th>Amend. No.</th>
<th>Date</th>
<th>Approved by</th>
<th>Describe Amendment in General (More details may be marked on the drawings or noted in the daily inspection reports)</th>
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Appendix H:  
Illinois Environmental Protection Agency Construction Site Storm Water Discharge Incidence of Non-compliance (ION)
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
CONSTRUCTION SITE STORM WATER DISCHARGE
INCIDENCE OF NON-COMPLIANCE (ION)

<table>
<thead>
<tr>
<th>PERMITTEE NAME:</th>
<th>LAST</th>
<th>FIRST</th>
<th>MIDDLE INITIAL</th>
<th>AREA CODE + PHONE NUMBER:</th>
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</thead>
<tbody>
<tr>
<td>STREET:</td>
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<tr>
<td>CITY:</td>
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<td></td>
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<tr>
<td>ST:</td>
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<td></td>
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<td>ZIP:</td>
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</tbody>
</table>

<table>
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<tr>
<th>CONSTRUCTION SITE NAME:</th>
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<tbody>
<tr>
<td>COUNTY:</td>
</tr>
<tr>
<td>SECTION:</td>
</tr>
<tr>
<td>TOWNSHIP:</td>
</tr>
<tr>
<td>RANGE:</td>
</tr>
</tbody>
</table>

| NPDES PERMIT NUMBER: I L R 1 0 |
| LATITUDE: DEG. MIN. SEC.  |
| LONGITUDE: DEG. MIN. SEC.  |

CAUSE OF NON-COMPLIANCE:

S

ACTIONS TAKEN TO PREVENT ANY FURTHER NON-COMPLIANCE:

A

ENVIRONMENTAL IMPACT RESULTING FROM THE NON-COMPLIANCE:

E

ACTIONS TAKEN TO REDUCE THE ENVIRONMENTAL IMPACT RESULTING FROM THE NON-COMPLIANCE:

A

SIGNATURE: _______________________________ TITLE: __________________ DATE: __________________

MAIL COMPLETED FORM TO: ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
COMPLIANCE ASSURANCE SECTION #19
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276

FOR OFFICE USE ONLY

LOG: 

PERMIT NO. ILR10 _____ _____ _____

DATE: 

Information required by this form must be provided to comply with 415 ILCS 5/39(1996). 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.

IL 532 2105
WPC 624 Rev. 6/98)
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.

< Submit original, photocopy or facsimile copies. Facsimile and/or photo
copies should be followed-up with an original signature copy as soon as
possible. Please write "copy" under the "For Office Use Only" box in the
lower right hand corner.

< Submit completed forms to:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Permit Section
Post Office Box 19276
Springfield, Illinois  62794-9276

< Reports must be typed or printed legibly and signed.

< 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>SECTION</td>
<td>12 1 or 2 numerical digits</td>
</tr>
<tr>
<td>TOWNSHIP</td>
<td>12N 1 or 2 numerical digits followed by &quot;N&quot; or &quot;S&quot;</td>
</tr>
<tr>
<td>RANGE</td>
<td>12W 1 or 2 numerical digits followed by &quot;E&quot; or &quot;W&quot;</td>
</tr>
</tbody>
</table>
Appendix I:
Eco CAT Natural Resource Review Results
Applicant: W-T Civil engineering, LLc
Contact: Steven McCleary
Address: 2675 Pratum Avenue
         Hoffman Estates, IL 60192

Project: Byron High School
Address: 696 North Colfax Street, Byron

Description: Parking lot and site improvements

---

Natural Resource Review Results

This project was submitted for information only. It is not a consultation under Part 1075.

The Illinois Natural Heritage Database shows the following protected resources may be in the vicinity of the project location:

Jarrett Prairie INAII Site
Jarrett Prairie Nature Preserve
Black Sandshell (Ligumia recta)

Location
The applicant is responsible for the accuracy of the location submitted for the project.

County: Ogle
Township, Range, Section:
  25N, 11E, 30    25N, 11E, 31

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IL Department of Natural Resources Contact
Impact Assessment Section
217-785-5500
Division of Ecosystems & Environment
Disclaimer
The Illinois Natural Heritage Database cannot provide a conclusive statement on the presence, absence, or condition of natural resources in Illinois. This review reflects the information existing in the Database at the time of this inquiry, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project’s implementation, compliance with applicable statutes and regulations is required.

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By using this website, you acknowledge that you have read and agree to these terms. These terms may be revised by IDNR as necessary. If you continue to use the EcoCAT application after we post changes to these terms, it will mean that you accept such changes. If at any time you do not accept the Terms of Use, you may not continue to use the website.

1. The IDNR EcoCAT website was developed so that units of local government, state agencies and the public could request information or begin natural resource consultations on-line for the Illinois Endangered Species Protection Act, Illinois Natural Areas Preservation Act, and Illinois Interagency Wetland Policy Act. EcoCAT uses databases, Geographic Information System mapping, and a set of programmed decision rules to determine if proposed actions are in the vicinity of protected natural resources. By indicating your agreement to the Terms of Use for this application, you warrant that you will not use this web site for any other purpose.

2. Unauthorized attempts to upload, download, or change information on this website are strictly prohibited and may be punishable under the Computer Fraud and Abuse Act of 1986 and/or the National Information Infrastructure Protection Act.

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