Planting Verification Letter
### (Minimum requirements)

DATE: _____

TO: Land Resources Division
Waukesha County Department of Parks and Land Use

FROM: (Landscape Architect or other qualified professional's name and qualification)

RE: Planting Verification for the following project:

Project Name: _____

Section _____, Town/Village of _____

Permit # _____

This correspondence shall serve as verification that I have performed ___ transect surveys or ___ quadrat plots of the designated warm season or wetland planting areas described in the approved plans for the stormwater facilities for the above-referenced project and that the plantings have a minimum coverage of 70% and match at least 4 of the species descriptions on the plans. Copies of the transect survey results are attached, along with a location map and any observations of potential future maintenance concerns.
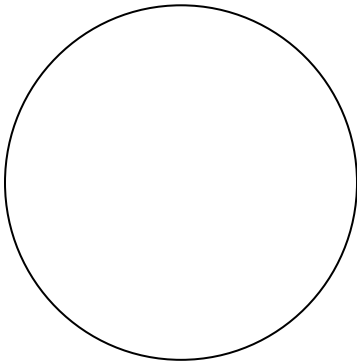
(Signed L.A. stamp must be included, if applicable)

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<div align="center">Guidelines for Planting Verification</div>

1. Verifier must contact Land Resources Division **prior to performing survey** to confirm that their credentials are acceptable.
2. At least one transect survey must be performed per 5,000 square feet of designed warm season or wetland planting area (8/acre).
3. Transect locations should be regularly spaced and laid out perpendicular to an established centerline through the infiltration planting. We recommend that locations be designated on the plan before seeing the site. The **location map must be submitted** with the verification form. Two options are available for conducting the planting verification:
    a. Line Intercept Method: On *each side* of the basin centerline 10 sample points shall be recorded at 1-foot intervals. Transects may be performed using a cord with knots or other markers at 1-foot intervals. A tape measure of sufficient length may also be utilized. When the cord/tape is stretched across the designated transect location, the verifier shall note for each marker on the transect report whether the marker was physically touching a plant from the planting list and state the plant species. The notes must be submitted with the verification form. **Do not include weeds or invasive species.**
    b. Quadrat Method: Replace transect tape with five 1-meter square quadrat samples. The verifier must record a minimum of 3 native plants within each quadrat to utilize the quadrat as a "pass" in the percent cover calculation. Detections above and beyond 3 do not need to be recorded.
    4. Calculations for percent cover include:
        a. Line Intercept Method: The percent coverage shall be calculated by dividing the total number of plants from the planting list on all transects by the total number of markers on all transects.
        b. Quadrats Method: Divide number of quadrats containing 3 native plants or more by total number of quadrats.
5. Other items to include in the final report include any notations of observed potential maintenance issues or perceived threats to the infiltration planting. For example, this could include notations about the presence of any invasive species, woody brush encroachment, nuisance wildlife, or observations of waste dumping in the infiltration planting.

Example Planting Verification Survey
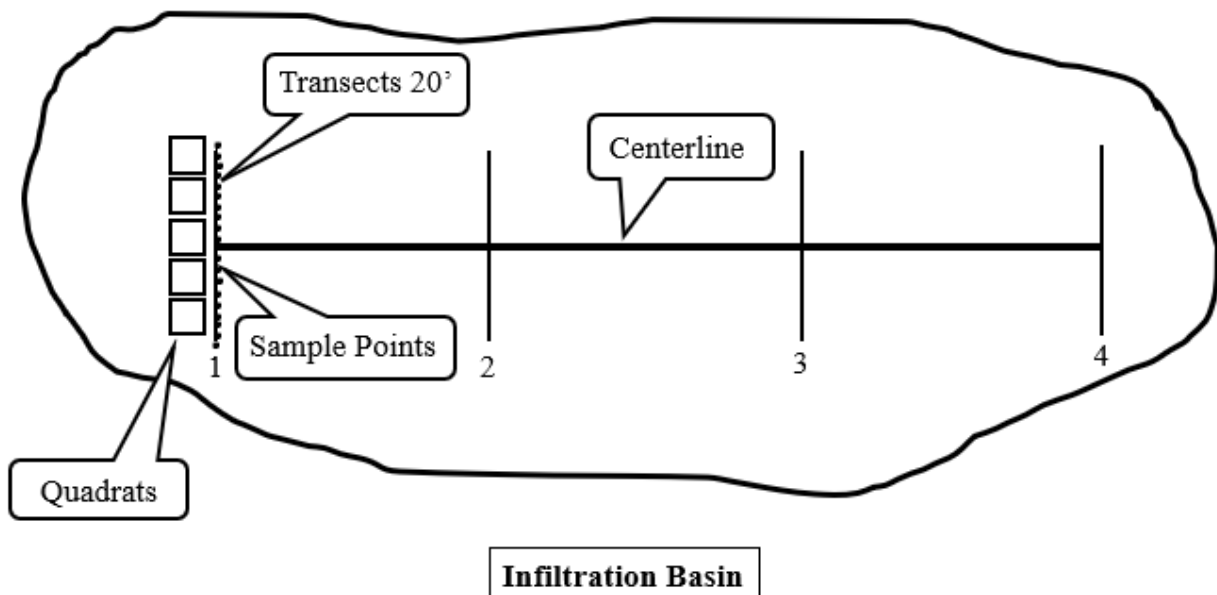
Example Line Intercept Transect Reporting Form

Project Name: Kettle Ridge Prairie Woods Subdivision_____

Date of Plant Inventory/Survey: ____August 12, 2013_____

Name of Person Conducting Survey: ____A. Botanist_____

Company: ____Prairie Consultants_____

Phone #: _____xxx-xxx-xxxx_____   Email: _____xxxxx@xxx.com_____

Marker No.	Transect 1	Transect 2	Transect 3	Transect 4
1	Elymus canadensis	Andropogon gerardii	Andropogon gerardii	Tradescantia ohiensis
2	Rudbeckia hirta	Monarda fistulosa	Elymus canadensis	Elymus canadensis
3		Elymus canadensis	Andropogon gerardii	Monarda fistulosa
4	Andropogon gerardii		Rudbeckia hirta	Elymus virginicus
5	Elymus virginicus	Rudbeckia hirta		Ratibida pinnata
6	Elymus virginicus	Elymus virginicus	Ratibida pinnata	Elymus canadensis
7		Andropogon gerardii	Elymus canadensis	
8	Monarda fistulosa		Rudbeckia triloba	Andropogon gerardii
9	Andropogon scoparius	Rudbeckia triloba	Andropogon gerardii	Rudbeckia hirta
10	Rudbeckia hirta	Ratibida pinnata		
11		Monarda fistulosa	Elymus canadensis	Elymus canadensis
12	Elymus canadensis	Andropogon scoparius		
13		Andropogon scoparius	Monarda fistulosa	Elymus virginicus
14	Rudbeckia triloba	Andropogon gerardii		
15		Elymus canadensis	Rudbeckia hirta	Ratibida pinnata
16	Rudbeckia hirta		Andropogon gerardii	
17	Elymus canadensis	Ratibida pinnata	Andropogon gerardii	Andropogon scoparius
18	Andropogon gerardii		Elymus virginicus	Andropogon gerardii
19		Elymus canadensis		
20	Andropogon gerardii	Andropogon gerardii	Elymus canadensis	Elymus canadensis
Total	14	16	15	14

Total sample points = 80
No. of detections from the planting list found = 59. **Attach a copy of the original basin planting list / plan, with the observed plant species highlighted.**

In this example 59/80 = 74% coverage. Number of species observed is 9.

Other notes: Person conducting the plant inventory/survey should include any observed potential maintenance issues or perceived threats to the infiltration planting. For example, the report should include notations about the presence of invasive species, woody brush encroachment, nuisance animals observations of waste dumping, or sedimentation issues.

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Line Intercept Transect Reporting Form

Project Name: _____

Date of Plant Inventory/Survey: _____

Name of Person Conducting Survey: _____

Company: _____

Phone #: _____   Email: _____

Marker No.	Transect 1	Transect 2	Transect 3	Transect 4
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
Total				

Total sample points = ___   No. of detections from the planting list found = ___

Attach a copy of the original basin planting list / plan, with the observed plant species highlighted.

Coverage % = (plants counted)/(sample points) = ___/ ___ = __% coverage. Number of species observed is ___.

Other notes:

_____
_____
_____
_____
_____

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Quadrat Transect Reporting Form

Project Name: Kettle Ridge Prairie Woods Subdivision_____

Date of Plant Inventory/Survey: ___August 12, 2013_____

Name of Person Conducting Survey: ___A. Botanist_____

Company: ___Prairie Consultants_____

Phone #: ____xxx-xxx-xxxx_____   Email: _____xxxxx@xxx.com_____

Quadrat No.	Transect 1	Transect 2	Transect 3	Transect 4
1	Rudbeckia hirta Andropogon gerardii Elymus canadensis	Rudbeckia triloba Ratibida pinnata	Elymus virginicus Rudbeckia hirta Sorghastrum nutans	Monarda fistulosa Andropogon scoparius Elymus canadensis
2	Elymus canadensis Rudbeckia triloba Echinacea purpurea	Elymus canadensis Andropogon scoparius Rudbeckia triloba	Andropogon gerardii Andropogon scoparius	Tradescantia ohiensis Sorghastrum nutans Sorghastrum nutans
3	Monarda fistulosa Andropogon scoparius	Monarda fistulosa Elymus virginicus Sorghastrum nutans	Elymus virginicus Sorghastrum nutans Echinacea purpurea	Andropogon gerardii Elymus virginicus
4	Rudbeckia hirta Andropogon gerardii Andropogon gerardii Sorghastrum nutans	Tradescantia ohiensis Ratibida pinnata Andropogon scoparius	Sorghastrum nutans Ratibida pinnata	Monarda fistulosa Rudbeckia hirta Echinacea purpurea
5	Elymus canadensis Rudbeckia hirta Andropogon gerardii Monarda fistulosa	Rudbeckia hirta Andropogon gerardii Andropogon scoparius	Elymus virginicus Andropogon scoparius Ratibida pinnata	Ratibida pinnata Andropogon scoparius Sorghastrum nutans
Total	**16**	**14**	**13**	**14**

Total quadrats = _20__   No. Of detections from the planting list found = _57_

Attach a copy of the original basin planting list / plan, with the observed plant species highlighted.

Coverage % = (quadrats w/ at least 3 natives plant detections)/(total quadrats) = 15/ 20 = _75_% coverage. Number of species observed is _11__.

Other notes:

_____
_____
_____
_____
_____

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Quadrat Transect Reporting Form

Project Name: _____

Date of Plant Inventory/Survey: _____

Name of Person Conducting Survey: _____

Company: _____

Phone #: _____   Email: _____

Quadrat No.	Transect 1	Transect 2	Transect 3	Transect 4
1				
2				
3				
4				
5				
Total				

Total quadrats = ___   No. Of detections from the planting list found = ___

Attach a copy of the original basin planting list / plan, with the observed plant species highlighted.

Coverage % = (quadrats w at least 3 natives plant detections)/(total quadrats) = ___/ ___ = __% coverage. Number of species observed is ___.

Other notes:

_____
_____
_____
_____
_____

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