



STORMWATER WORKSHEET

Project Name: _____ Location: _____

Developer/Owner: _____ Engineering Firm: _____

By (Design Engineer): _____ Date: _____

Sensitive Areas:

Indicate on site plan and check below.

(Check all that apply)

- | | | |
|--|--|---|
| <input type="checkbox"/> Waterbodies | <input type="checkbox"/> Rivers and Streams | <input type="checkbox"/> Floodplains |
| <input type="checkbox"/> Riparian | <input type="checkbox"/> Wetlands | <input type="checkbox"/> Woodlands |
| <input type="checkbox"/> Sand Dunes | <input type="checkbox"/> Natural Drainage Ways | <input type="checkbox"/> Steep/Erodible Soils |
| <input type="checkbox"/> Susceptible Groundwater | <input type="checkbox"/> Threatened & Endangered Species | |

Special Site Considerations:

(Check all that apply)

- | | | |
|--|--|--|
| <input type="checkbox"/> Hot Spot
Activity: _____ | <input type="checkbox"/> Coldwater Stream
Name: _____ | <input type="checkbox"/> Policy Watershed
Name: _____ |
|--|--|--|

Water Quality:

Required for all sites.

Channel Protection:

Required for surface water discharges[not required for direct discharge to Lake Michigan and Spring Lake].

(Check all that apply)

- Onsite Retention (must be considered first and foremost).
If site conditions preclude onsite retention:
- Off-site Mitigation.
- Payment-in-lieu (subject to availability).
- Alternative Approach: Extended Detention (submit Engineer's Certification).

Flood Control:

Required for all sites.

(Check all that apply)

- Standard release rate (0.13 cfs/acre).
- Alternate release rate allowed (describe): _____
- Floodplain required in lieu of detention.



(Check one)

- Emergency Overflow Routes available and identified on site plan.
- No acceptable Emergency Overflow Routes (detention/retention sized for 2 times the flood control volume; storm sewer may be required to be upsized to 100-year design).

Engineer’s Certification for Use of Alternative Approach for Channel Protection:

I am the Design Engineer for _____ and certify that I have followed the LGROW Alternative Approach Flowchart, and maximized the use of BMPs to meet the channel protection volume standard through reduction of runoff and onsite retention. The following site constraints preclude meeting the channel protection standard through volume control:

(Check all that apply)

- Poorly draining soils (< 0.24 inches per hour infiltration capacity; typically HSG C and D).
- Part 201 and Part 213 sites, and areas of soil or groundwater contamination.
- High groundwater, or the potential of mounded groundwater to impair other uses.
- Wellhead protection areas.
- Bedrock.
- Other: _____

(Printed Name)

(Date)

(Signature)

(PE license no.)