

CITY OF LINCOLN

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Stormwater Management Plan and Permit Requirements

A *Stormwater Management Plan* and permit is required for all residential developments with three or more units, commercial projects, industrial projects, and institutional projects. The City of Lincoln will not issue a stormwater permit until the stormwater management plan has been reviewed and approved. **The application for a stormwater permit is separate from the site plan application, but must be submitted in conjunction with the application.** The *Stormwater Management Plan* must be prepared and stamped by a professional engineer who is registered in North Dakota. A Stormwater Management Plan waiver request may be made under the following conditions or as deemed appropriate by the City Engineer:

- The associated plat along with its *Stormwater Management Plan* was approved within the past 24 months containing an adequate level of detail to evaluate the site development and no significant changes occur to the plan due to the proposed site plan construction
- The disturbed area is less than 2,000 square feet and construction will not significantly change drainage patterns or imperviousness

Section 1: General Information

| | Applicant's Checklist | City Staff Checklist |
|--|--------------------------|--------------------------|
| Include Stormwater Plan review fee of \$500.00 | <input type="checkbox"/> | <input type="checkbox"/> |
| Include Stormwater Permit fee of \$50.00 | <input type="checkbox"/> | <input type="checkbox"/> |

Existing Conditions

| | Applicant's Checklist | City Staff Checklist |
|--|--------------------------|--------------------------|
| List applicant and/or land owner, and contact person during construction | <input type="checkbox"/> | <input type="checkbox"/> |
| Site location, legal description (section, range and township) and acreage | <input type="checkbox"/> | <input type="checkbox"/> |
| Existing topography with maximum of 2 foot contours to determine drainage patterns. Include datum used (NGVD29 or NAVD88), scale bar and north arrow | <input type="checkbox"/> | <input type="checkbox"/> |
| Watershed map on separate sheet indicating drainage boundaries, associated areas and flow arrows | <input type="checkbox"/> | <input type="checkbox"/> |
| Stream delineation, public waters, wetlands and their description | <input type="checkbox"/> | <input type="checkbox"/> |
| 100 year floodplain, fringes and floodways, with datum used | <input type="checkbox"/> | <input type="checkbox"/> |
| Existing stormwater facilities/features | <input type="checkbox"/> | <input type="checkbox"/> |
| Soils and soil characteristics | <input type="checkbox"/> | <input type="checkbox"/> |
| Current vegetative cover | <input type="checkbox"/> | <input type="checkbox"/> |
| Current land use and zoning | <input type="checkbox"/> | <input type="checkbox"/> |

Construction Site Plan

| | Applicant's Checklist | City Staff Checklist |
|--|--------------------------|--------------------------|
| Location and dimension of proposed land disturbing activities and phasing or schedule of those activities | <input type="checkbox"/> | <input type="checkbox"/> |
| Approximate location of all temporary soil or dirt stockpile areas | <input type="checkbox"/> | <input type="checkbox"/> |
| Provisions for maintaining the construction site erosion control measure prior to, during, and after construction including a final seeding and stabilization plan | <input type="checkbox"/> | <input type="checkbox"/> |
| Specific location and description of best management practices (BMP's), including erosion control measures including the location of concrete washout areas | <input type="checkbox"/> | <input type="checkbox"/> |

Final Site Plan Conditions

| | Applicant's Checklist | City Staff Checklist |
|--|--------------------------|--------------------------|
| Final grading plan, illustrating the relationship to existing conditions with indication of datum used | <input type="checkbox"/> | <input type="checkbox"/> |
| Proposed ground cover (grass, pavement, landscape rock etc.) | <input type="checkbox"/> | <input type="checkbox"/> |
| Existing and proposed impervious areas | <input type="checkbox"/> | <input type="checkbox"/> |
| Drainage plan for developed site with accurate flow arrows | <input type="checkbox"/> | <input type="checkbox"/> |
| Proposed watershed map indicating drainage boundaries and their areas | <input type="checkbox"/> | <input type="checkbox"/> |
| County approval required for drainage in right-of-way | <input type="checkbox"/> | <input type="checkbox"/> |

Section 2: Stormwater Management Plan Report

| | Applicant's Checklist | City Staff Checklist |
|---|--------------------------|--------------------------|
| Pre-development and post-development hydrology and hydraulic analysis for the 5 year minor and 100 year major rainfall events of both the 6 hour and 24 hour Type II storm events. Analysis of 10 day snowmelt may also be required. All calculations must be submitted | <input type="checkbox"/> | <input type="checkbox"/> |
| Tables indicating Times of Concentration, Curve Numbers or Runoff Coefficient, Drainage Areas, and Runoff Rates at all analysis points and detention/retention areas for both pre and post-development conditions of all rainfall events listed above | <input type="checkbox"/> | <input type="checkbox"/> |
| Exhibit of erosion and sediment control and all corresponding BMP's during and after construction | <input type="checkbox"/> | <input type="checkbox"/> |
| Water quality concerns | <input type="checkbox"/> | <input type="checkbox"/> |
| Summary and conclusions | <input type="checkbox"/> | <input type="checkbox"/> |

Required Drawings and Maps

| | Applicant's Checklist | City Staff Checklist |
|--|--------------------------|--------------------------|
| Location map and boundary of study | <input type="checkbox"/> | <input type="checkbox"/> |
| Existing Conditions Site Map | <input type="checkbox"/> | <input type="checkbox"/> |
| Proposed Conditions Site Map - North arrow, scale, and datum used - Final site conditions showing streets, lots, and proposed structures | <input type="checkbox"/> | <input type="checkbox"/> |
| Erosion Control Map | <input type="checkbox"/> | <input type="checkbox"/> |
| Additional maps needed to support design criteria | <input type="checkbox"/> | <input type="checkbox"/> |

Appendices

| | Applicant's Checklist | City Staff Checklist |
|--|--------------------------|--------------------------|
| Hydrological calculations | <input type="checkbox"/> | <input type="checkbox"/> |
| Hydraulic calculations | <input type="checkbox"/> | <input type="checkbox"/> |
| Erosion and sediment calculations | <input type="checkbox"/> | <input type="checkbox"/> |
| Model for sites larger than ten (10) acres or requested by the City Engineer | <input type="checkbox"/> | <input type="checkbox"/> |
| Soils report | <input type="checkbox"/> | <input type="checkbox"/> |