



# Town of Mooresville

## STORMWATER PERMIT APPLICATION

Permit No.:	_____
Issued:	_____
Expires:	_____
Extended:	_____

ALTERATION OF LAND, INCLUDING BUILDING AND BUILDING ADDITION CONSTRUCTION, REQUIRES A STORMWATER PERMIT IF DOWNSTREAM FLOW IS ALTERED AND/OR IF THERE IS AN INCREASED RISK OF CONTAMINATION ENTERING WATERS OF THE STATE. IF YOU DO NOT KNOW IF A SWP IS REQUIRED THE STORMWATER OFFICE WILL MAKE THAT DETERMINATION BASED UPON THE INFORMATION PROVIDED.

Project Name:		_____							
Project Location / Address:		_____							
Civil Township:	_____	Quarter:	_____	Section:	_____	Township:	_____	Range:	_____
Latitude:		_____			Longitude:		_____		
Project Owner Name:		_____							
Owner Address:		_____					(If business) SIC code:		_____
City:	_____	State:	_____	Zip:	_____				
Phone:	_____	Fax:	_____	E-Mail:	_____				
Project Type:	<input type="checkbox"/> Residential	<input type="checkbox"/> Commercial	<input type="checkbox"/> Industrial	<input type="checkbox"/> Land Reshaping (Copy must be attached)					
Area to be disturbed in acres or square feet		_____			IDEM NOI Permit #		_____		
On-Site Responsible Person:		_____					Phone:		_____

### Permit Conditions:

1. The permitted activity shall be completed in accordance with the approved plans and specifications, and the **attached** general and specific conditions.
2. This permit does not waive the necessity for obtaining all other required federal, state, or local permits.
3. Permittee shall notify the permitting agency, when work commences, and within one week after completing the permitted activity or one week prior to the permit expiration date, whichever comes first.

<b><u>For Town Use Only</u></b>	
Review Date:	_____
Principal Plan Reviewer:	_____
Agency:	_____
Permitting Agent:	_____ Phone: (____) _____

## SITE PLAN ELEMENTS—SECTION ‘A’

**Items marked with an “\*\*\*” are NOT required for single & two-family home site plans where less than 10,000 square feet will be disturbed. Subdivision, PUD, multi-family, business or industrial site plan must Address and respond to EVERY item.**

**PLANS THAT DO NOT CONTAIN THE BELOW REQUIRED PLAN ELEMENTS WILL NOT BE REVIEWED AND WILL BE RETURNED TO APPLICANT FOR COMPLETION.**

1	Name, address, phone number of owner & developer	10	Narrative Describing the Nature and Purpose of the Project
2	Legal description and address of the project site	11	Cover sheet & plan index of sufficient scale to show plan details but not larger than 1”=50’
3	Plat of site with boundary dimensions, bearings, easements, setback lines, street R.O.W. , zoning of site and adjoining parcels.	12	Existing improvements: buildings, pavements, curbs, sidewalks, utilities, fences, walls, drainage structures, septic systems, wells etc.
4	Existing conditions: Soils map (**), ground cover, contours (1-foot) and/or spot elevations sufficient to determine existing drainage patterns, vegetation (trees & brush), streams, lakes,	13	Identify specific points where stormwater will be discharged from site and existing conveyance capacity (**). Identify by name downstream receiving waters (**).
5	100-year floodplains, floodways, floodway fringes, with base flood elevation. If there are none a statement of that fact must be placed on the drawings.	14	Identify all watersheds that are on or adjacent to the site and specifically those that discharge or flow onto the site from offsite by area, soil type, ground cover & flow quantity (**).
6	Area of impervious surfaces (roof, pavement, sidewalks, etc.) pre-developed and post-development. (Note: gravel or crushed stone drives and parking areas are considered impervious)	15	Locations and boundaries of all proposed disturbed areas (Construction Limits), including septic fields and the total area in acres or square-feet of all disturbed areas.
7	Proposed Plan Improvements: site grading, buildings, pavements, curbs, sidewalks, utilities (including sanitary sewer and water lines)	16	Elevation Data Proposed Improvements: Building (lowest and first floor), grading plan with contours (1-foot), flow arrows and slope percentage, adequate to show and define drainage patterns, spot elevations (curbs, sidewalks, parking areas, drives, streets, street approaches, drainage structures.
8	Proposed Drainage System: Location, elevations, type, material, flow-data and capacity of, manholes, inlets, catch basins, pipes, box culverts, bridges, control structures, mechanical BMP’s swales, ditches, pond, forebays, etc. (**).	17	Off-site improvements and Construction Activities: Location and elevations of sanitary sewers, water main, utilities, streets, access drives, drainage systems, traffic control items, etc.(**).
9	Landscaping Plan: Existing areas and types of vegetative cover is shown. Proposed landscaping meeting the requirements of the Stormwater Ordinance is provided (**).	18	Stormwater Management Plan:

## STORMWATER MANAGEMENT PLAN—SECTION ‘B’

**IF A STORMWATER PERMIT IS REQUIRED FOR THE PROJECT THE APPLICANT MUST SATISFACTORILY ADDRESS AND RESPOND TO EACH OF THE FOLLOWING ITEMS.**

<b>CHECKLIST</b>	<p style="text-align: center;"><i>The Stormwater Management Plan (SWMP) must meet the requirements of the Stormwater Management and Erosion Control Ordinance (SWMECO) or (Ordinance) and requirements of the Stormwater Design Manual (SWDM)</i></p>	
	<b>B</b>	
	1	Complete set of plans meeting <u>ALL</u> the requirements of the SWDM.
	2	Drainage report meeting <u>ALL</u> the requirements of the SWDM.
	3	A written statement that the drainage plans are in compliance with the provision of the Ordinance and SWDM
	4	For all storm durations specified in the SWDM the detention facility is designed to limit the developed site 100-yr peak storm to the pre-developed 10-yr peak storm and limit the developed site 10-yr peak storm to the pre-developed 2-yr peak storm all per the SWDM.
	5	Detention systems have been designed in accordance with the SWDM.
	6	Hydrology—Amount and rate of stormwater runoff has been determined for pre and post development of the SWDM. If it is desired not to provide a detention/retention system then a downstream analysis must be performed in accordance with SWDM. (Rational Method limited to 10,000 sq. ft. or less)
	7	At all points along the property line the developed condition runoff rate does not exceed the pre-developed runoff rate per the Ordinance.
	8	A receiving conveyance structure shall be identified on the plans that will receive the peak flows from the site without overtopping banks, exceeding the hydraulic grade line of enclosed ducts or pipes, or covering more than 1/2 of the travel lane width of any street, all after considering any off-site flows for peak duration and return periods required by the Ordinance.
	9	Dams, embankments and berms designed to detain or impound Stormwater have been designed in accordance with the requirements of the SWDM.
	10	Landscaping and green space has been provided in accordance with the Ordinance and The Appendix of the SWDM. Wooded & forested areas are shown and incorporated as protected space on the development plan.
	11	Conveyance Systems-Outfalls, pipe systems, inlets, culverts, swales, ditches, perimeter drains, streams and channels have been designed per the SWDM.
	12	Flood areas and elevations have been determined and flood protection has been provided in accordance with the Ordinance and the SWDM. If there are no mapped flood zones and the property is not affected by a stream or ditch draining 25 or more acres a statement has been placed on the plans stating that <u>“No flood determination or flood protection is required for this project under the SWMECO.”</u>
	13	Emergency access easements have been provided to the Town for detention structures serving watershed/drainage basins greater than 10,000 sq. ft.; conveyance systems that will be accepted or dedicated to the Town; or will be located adjacent to public or private roads; or lead to public conveyance systems; or be maintained by a homeowners association; or receive off-site runoff in accordance with the Ordinance and the SWDM. Exclusive drainage easements have been provided for all conveyances, retention/detention facilities, floodways, floodway fringes and BMP’s per the SWDM and included in the O&M manual.
	14	Materials, specifications and details meet the requirements of the Appendix of the SWDM.
	15	Water Quality-location, dimensions, detailed specifications, construction details and BMP’s meets the requirements of the Ordinance and the SWDM.
	16	Water Quality Operations and Maintenance (O&M) manual meeting <u>ALL</u> the requirements of the SWDM, including inspection access statement for the OCE and a schedule of BMP inspection and maintenance.
	17	Water Quality-volume and rate is calculated and 80% removal of Total Suspended Solids (TSS) is demonstrated and achieved in accordance with SWDM.

Project Name: \_\_\_\_\_

**FEE SCHEDULE**

Single Family Residential

Receipt #

PERMIT FEE	\$50.00		
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Subdivision, PUD, multi-family, business or industrial site plans will require additional review and may be subject to any or all of the following fees.

**(Note: Permit fee is included in all plan review fees.)**

Receipt #

PERMIT FEE	\$500.00		
REVISION TO APPROVED PLAN	\$250.00 Min.		

All contracted plan reviews over 1 hour will be billed additional fees based on the Town of Mooresville's contract rate with the engineering service.

Additional fees \$ \_\_\_\_\_

Receipt # \_\_\_\_\_

Landowner's Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_ Date: \_\_\_\_\_