

# WHAT TYPE OF STORMWATER PERMIT IS REQUIRED?



**A NEW DEVELOPMENT,  
REDEVELOPMENT, EXPANSION  
OR MODIFICATION IS  
PROPOSED**

A NEW DEVELOPMENT OR REDEVELOPMENT PROJECT WILL BE SUBJECT TO ONE OF THE FOLLOWING LEVELS OF ENGINEERING STORMWATER PERMIT REVIEW:

- **FULL STORMWATER PERMIT**
- **DRAINAGE PERMIT**
- **NO PERMIT REQUIRED**

THESE CRITERIA ARE OUTLINED IN 18-735 OF CITY CODE. THE CHART BELOW WILL HELP DETERMINE THE REQUIRED TYPE OF REVIEW FOR MOST PROJECTS.

**ARE ANY OF THE OF THE FOLLOWING  
CRITERIA MET?**

- THE PROJECT IS NON-RESIDENTIAL AND PROPOSES  $\geq 10,000$  SF OF NEWLY CONSTRUCTED IMPERVIOUS AREA
- THE PROJECT REQUIRES A SEDIMENT AND EROSION CONTROL PLAN
- THE PROJECT REQUIRES A CAMA MAJOR DEVELOPMENT PERMIT
- THE PROJECT IS CONSIDERED A MAJOR SUBDIVISION IN CITY CODE

**FULL STORMWATER PERMIT IS  
REQUIRED**

- THE PROJECT IS SUBJECT TO THE REQUIREMENTS OF THE COMPREHENSIVE STORMWATER ORDINANCE AND THE CITY TECHNICAL STANDARDS
- REQUIRES SUBMITTAL OF A STORMWATER PERMIT APPLICATION, REVIEW FEE AND ALL APPLICABLE FORMS AND CALCULATIONS

NO

**DOES THE PROJECT  
PROPOSE  $\geq 2,500$  SF OF  
NEWLY CONSTRUCTED  
IMPERVIOUS AREA?**

**DRAINAGE PERMIT IS REQUIRED**

- GRADING AND DRAINAGE REVIEW
- NOT SUBJECT TO THE FULL REQUIREMENTS OF THE COMPREHENSIVE STORMWATER ORDINANCE, BUT IS SUBJECT TO THE CITY TECHNICAL STANDARDS
- REQUIRES SUBMITTAL OF A STORMWATER PERMIT APPLICATION, REVIEW FEE AND ALL APPLICABLE FORMS AND CALCULATIONS

NO

**NO PERMIT REQUIRED**

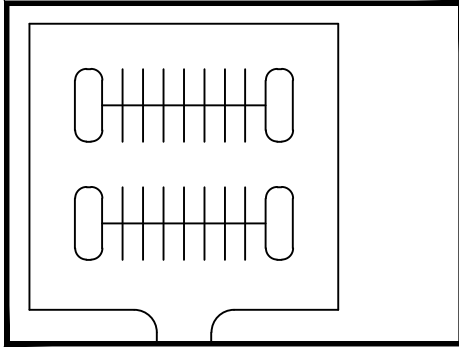
- REVIEW FOR COMPLIANCE WITH APPLICABLE CITY TECHNICAL STANDARDS ONLY
- NOT SUBJECT TO THE FULL REQUIREMENTS OF THE COMPREHENSIVE STORMWATER ORDINANCE, BUT IS SUBJECT TO THE CITY TECHNICAL STANDARDS
- DOES NOT REQUIRE SUBMITTAL OF A STORMWATER PERMIT APPLICATION OR REVIEW FEE

**WHAT IS NEWLY CONSTRUCTED IMPERVIOUS AREA?**

PER 18-735 (b) OF CITY CODE: *THE AMOUNT OF IMPERVIOUS SURFACE PLACED, IRRESPECTIVE OF THE CONDITION OF THE EXISTING SURFACE UPON WHICH THE IMPERVIOUS SURFACE AREA IS CREATED.*

IT IS NOT THE SAME AS NET INCREASE IN IMPERVIOUS SURFACE. THE EXAMPLES ON THE FOLLOWING PAGE BETTER DEMONSTRATE NEWLY CONSTRUCTED IMPERVIOUS SURFACE AND HOW IT APPLIES TO VARIOUS TYPES OF PROJECTS.

**EXISTING SITE**

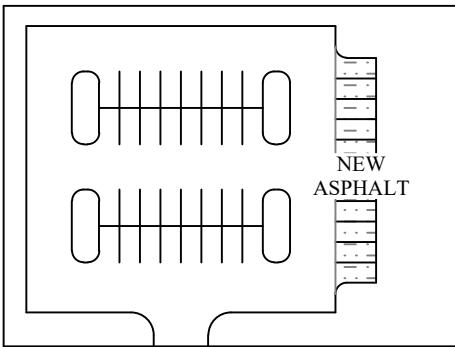


**EXISTING SITE: 30,000 SF**  
**EXISTING ASPHALT: 18,000 SF**  
**TOTAL EX. IMPERVIOUS: 18,000 SF**

**NEWLY CONSTRUCTED IMPERVIOUS AREA**  
**REVIEW SCENARIOS**

**DEFINITIONS:**  
PC: PERVIOUS CONCRETE  
SF: SQUARE FEET  
MDC: NCDEQ MINIMUM DESIGN CRITERIA  
NCDEQ: NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY  
NCIA: NEWLY CONSTRUCTED IMPERVIOUS AREA

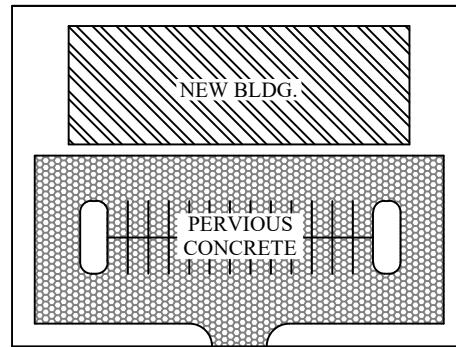
**NO PERMIT REQUIRED: SCENARIO 1**



**NEW ASPHALT: 1,800 SF**  
**EX. ASPHALT: 18,000 SF**  
**TOTAL IMPERVIOUS: 19,800 SF**  
**TOTAL NCIA: 1,800 SF\***  
**REVIEW: NO PERMIT REQUIRED\***

\* LESS THAN 2,500 SF NCIA

**DRAIN PLAN: SCENARIO 3**

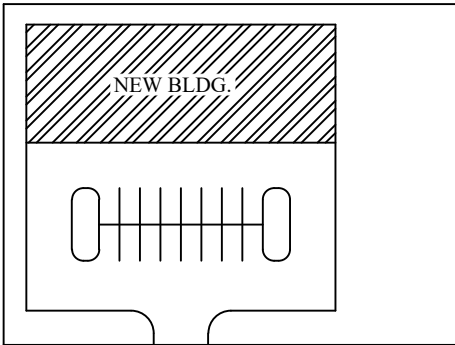


**NEW BUILDING: 8,000 SF NEW ASPHALT: 0 SF TOTAL PC: 14,000 SF\***  
**TOTAL IMPERVIOUS: 8,000 SF**  
**TOTAL NCIA: 8,000 SF \*\***  
**REVIEW: DRAINAGE PERMIT\*\***

\*NET 0 SF, WITH 100% CREDIT PERVIOUS CONCRETE MDC CALCULATIONS REQUIRED.

\*\*LESS THAN 10,000 SF NCIA

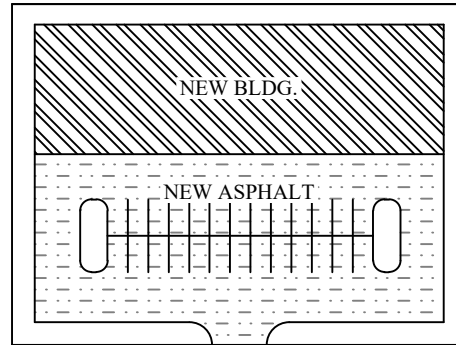
**DRAIN PLAN: SCENARIO 1**



**NEW BUILDING: 8,000 SF**  
**EX. ASPHALT: 10,000 SF**  
**TOTAL IMPERVIOUS: 18,000SF**  
**TOTAL NCIA: 8,000 SF**  
**REVIEW: DRAINAGE PERMIT\***

\* LESS THAN 10,000 SF NCIA

**FULL REVIEW: SCENARIO 1**

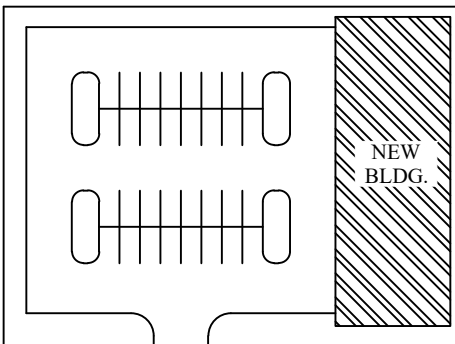


**NEW BUILDING: 12,000 SF NEW ASPHALT: 14,000 SF TOTAL IMPERVIOUS: 26,000 SF TOTAL NCIA: 26,000 SF\* REVIEW: FULL STORMWATER\***

\*GREATER THAN 10,000 SF NCIA

WATER QUALITY & PRE / POST ATTENUATION REQUIRED FOR NET INCREASE (26,000 SF - 18,000 SF = 8,000 SF)

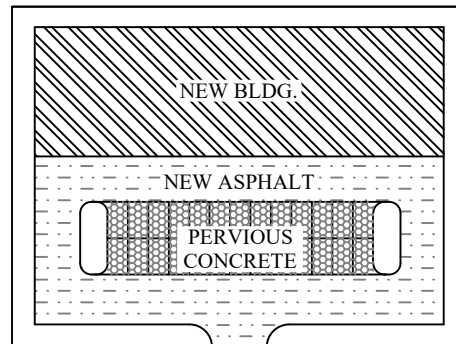
**DRAIN PLAN: SCENARIO 2**



**NEW BUILDING: 8,000 SF**  
**EX. ASPHALT: 18,000 SF**  
**TOTAL IMPERVIOUS: 26,000SF**  
**TOTAL NCIA: 8,000 SF**  
**REVIEW: DRAINAGE PERMIT\***

\*LESS THAN 10,000 SF NCIA

**FULL REVIEW / REDEVELOPMENT: SCENARIO 1**



**NEW BUILDING: 12,000 SF NEW ASPHALT: 6,000 SF NEW PC: 8,000 SF\* TOTAL IMPERVIOUS: 18,000 SF TOTAL NCIA: 18,000 SF\*\* REVIEW: FULL STORMWATER REDEVELOPMENT\*\*\***

\* NET 0 SF WITH 100% CREDIT PERVIOUS CONCRETE MDC CALCULATIONS REQUIRED.

\*\*GREATER THAN 10,000 SF NCIA.

\*\*\*REDEVELOPMENT - NO WATER QUALITY OR PRE / POST ATTENUATION REQUIRED (NO NET INCREASE)