

This guide answers questions about [IDMS-2025-01 supplemental storm detention](#) requirements in Chapter 9 of the Infrastructure Design Manual (IDM). The new requirements went into effect on May 16, 2025.

1. WHAT ARE THE UPDATED STORMWATER REQUIREMENTS IN CHAPTER 9 OF THIS SUPPLEMENT?

The primary update focuses on detention requirements. Additional revisions to Chapter 9 will be rolled out later this year.

2. CAN SITES WITH EXISTING IMPERVIOUS AREA RECEIVE DETENTION CREDIT? HOW DO I CALCULATE DETENTION VOLUME IF MY SITE QUALIFIES UNDER THE NEW REQUIREMENTS?

Yes, detention volume credit is available only for developments subject to detention criteria 3. The credit applies at a rate of 0.4 acre-feet per acre for redeveloped impervious areas.

$$\text{Detention volume required} = (A_p \times r_d) - (A_e \times 0.4)$$

Where:

Detention volume required = Detention volume required including credit (*CF*)

A_p = Proposed impervious area (*SF*)

A_e = Existing impervious area (*SF*) removed during redevelopment

r_d = Detention rate (*acre-foot/acre*) required by IDM Chapter 9 -Table 9.5

3. WHAT DOCUMENTATION IS REQUIRED TO VERIFY EXISTING IMPERVIOUS AREA TO CLAIM EXISTING IMPERVIOUS COVER DETENTION CREDIT FOR REDEVELOPEMENT?

A valid survey signed and sealed by a licensed professional land surveyor in Texas is required. To claim existing impervious area, the survey must be signed and sealed within five years of the project submission date and include supporting photos taken within the same timeframe to confirm site conditions.

4. CAN DE MINIMIS CREDITS BE USED MULTIPLE TIMES?

Single-family residential developments can apply for this credit multiple times until reaching the maximum limit. Commercial developments are limited to one application per tract.

5. IF MY PROJECT QUALIFIES FOR BOTH DETENTION VOLUME CREDIT (FOR EXISTING IMPERVIOUS AREA) AND DE MINIMIS CREDIT, WHICH SHOULD I USE?

You may apply the credit that provides the greatest benefit.

6. DO I STILL NEED DRAINAGE DESIGN IF DETENTION IS NOT REQUIRED?

Yes, drainage and stormwater designs are still necessary to collect and convey site runoff, even for projects exempt from detention or receiving detention credit.

7. HOW DO I APPLY THE NEW DETENTION RATE IF MY LEGACY PROJECT HAS AN INCREASE IN IMPERVIOUS AREA?

The new detention rate applies only to the additional impervious area beyond what was originally designed in the master drainage plan.

8. CAN I REVISE MY PLANS TO TAKE ADVANTAGE OF THESE CHANGES IF MY PROJECT: A) IS STILL UNDER REVIEW, B) WAS PREVIOUSLY APPROVED, OR C) IS UNDER CONSTRUCTION?

- A) Projects currently under review can resubmit revised plans for review to use these credits.
- B) Projects that were previously approved but have not begun construction can resubmit revised plans to use these credits. Revised plans will result in the project being treated as a new project submittal.
- C) Projects that have already been approved under the old requirements and have begun construction will not be allowed to apply this supplement.