

## **Waiver Request Report**

prepared for

**Blackwell Road  
Blue Parkway & Blackwell Road  
Lee's Summit, MO 64081**

prepared by

**SCHLAGEL & ASSOCIATES, P.A.**

**14920 W 107<sup>th</sup> ST**

**Lenexa, Kansas**

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**Schlagel & Associates Project 20-205**

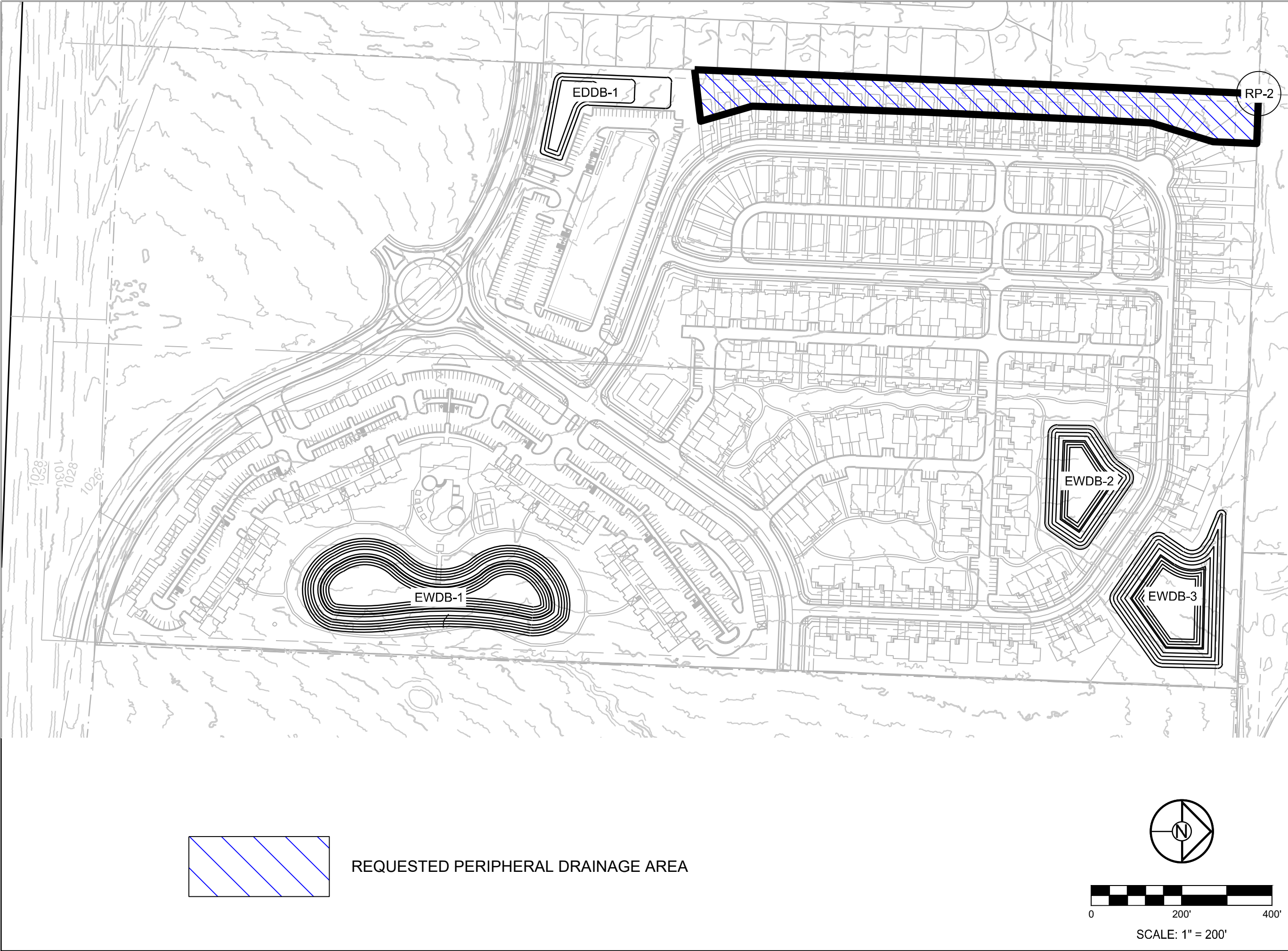


08.24.2021

## BLACKWELL ROAD WAIVER REQUEST – EXECUTIVE SUMMARY

TO: The City Engineer:

In accordance with the Lee's Summit Design and Construction Manual (DCM) Section 1002.A, I wish to apply for a modification to one or more specification (s). The following articulates my request for your review and action. (NOTE: Cite specific code sections and engineering justification and drawings.) APWA 5600 section 5608.4.C.1 Comprehensive Detention. We are requesting that the waiver be approved based on site limitations and previous conversations with city staff regarding design requirements in the northwest portion of the site. Currently, Release Point-2 has an area of 4.28 acres in the pre-development condition. Post condition area is decreased to 2.29 acres. For Release Point-2 (RP-2), the comprehensive plan allowable release rates are 2.14 CFS, 8.56 CFS, and 12.84 CFS for the 2, 10, and 100-year storm events respectively. Using the Rationale Method to calculate the design release rates, we come up with 8.17, 11.10, and 19.49 CFS for the 2, 10, and 100-year storm events respectively. Given that we are decreasing the tributary area to Release Point -2 significantly in the proposed condition and the site limitations to add an additional detention facility, we are requesting that Release Point-2 (RP-2) be considered a peripheral drainage area. Please reference the attached "WAIVER EXHIBIT" provided with this report for the requested peripheral drainage area. To help accommodate any potential negative impacts to the adjacent properties, a swale is proposed along the northwest property line to safely convey all rear yard runoff off the site.



DRAWN BY:  
NCA

DATE PREPARED:  
08/06/2021


PROJ. NUMBER:  
20-205

WAIVER EXHIBIT

SHEET  
1

BLACKWELL ROAD  
WAIVER EXHIBIT

BLUE PARKWAY & BLACKWELL ROAD LEE'S SUMMIT, MISSOURI

**SCHLAGEL**

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