



CITY OF RAPID CITY

RAPID CITY, SOUTH DAKOTA 57701

Public Works Department Engineering Services Division

300 Sixth Street

Telephone: (605) 394-4154 FAX: (605) 355-3083

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MEMORANDUM

TO: Public Works Committee

FROM: Mary Bosworth, PE, CFM
Engineering Project Engineer

DATE: September 6, 2013

RE: Update on Racine Street Drainage Issues

The following is a summary of the background information obtained regarding the existing drainage easement and swale located east of the properties on Racine Street. The information was obtained from Plat Files 139 - Lot 5 of Lot K-3 Marshall Heights Tract and 465 - Lots 6, 7, 8, and 10 of K-3 Marshall Heights Tract.

The Layout Plat application for Lot 5 of Lot K-3 Marshall Heights Tract was filed in August 1973. Engineering Department review comments included concerns about the drainage ... "Drainage has been and is such a problem in this Racine Street area that it is not recommend approval on a one lot basis. The entire Tract K-3 should be submitted for review." The Layout Plat was approved in September 1973, but the applicant was advised that the drainage problems in the area would need to be addressed when the preliminary plat is submitted.

The Preliminary Plat application for Lot 5 of Lot K-3 Marshall Heights Tract was filed in October 1973. Applicant submitted a preliminary grading plan of entire Lot K-3 showing the area draining to a proposed ditch on the west side of the lot. Engineering Department reviewed the preliminary plan and agreed that the drainage ditch (swale) along the western edge of all lots was needed to protect the properties along Racine street. It was also recommended that:

- 1) The outlet of the ditch (at the south end of Lot K-3) be connected to the proposed storm sewer system in Anamosa Street (scheduled for construction in Spring 1974).
- 2) Construction of the swale and connection to the storm sewer system be one of the early phases of developing any of the lots in the Tract.

At the November 1973 CC meeting the owner of the property indicated that they were determining the cost of the ditch, would pay for the ditch to Anamosa Street and the ditch would be tied into Anamosa



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Street system in 1974. The Preliminary Plat for Lot 5 of K-3, including a 30' wide drainage and utility easement on the entire Lot K-3, was approved in December 1973.

The Layout and Preliminary Plat application for Lots 6, 7, 8, and 10 of K-3 Marshall Heights Tract was filed in December 1973. Engineering Department requested additional drainage design information prior to the approval of the preliminary plat. The Layout Plat was approved in December of 1973. Applicant submitted Final plans for the drainage ditch, including cross sections and a cost estimate for construction of the ditch in January 1974. Engineering Department reviewed the plans and requested additional slope stabilization. The Preliminary Plat was approved in February 1974. Applicant submitted a bond for the ditch construction.

A letter was sent to Don Wiesler on May 31, 1978 from the City Engineer requesting that the Drainage Improvements for Lots 6, 7, 8, and 10 of K-3 Marshall Heights Tract be completed as quickly as possible or the City Attorney would initiate action against bond.

There was no additional information found on the construction of the drainage improvements.



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