



JUN 4 REC'D

FORSGREN-PERKINS ENGINEERING, p.a.

May 30, 1980

Project #780387

Stan Strebek
Summit County Planning Office
County Courthouse
Coalville, Utah 84017

SUBJECT: Silver Springs Drainage Inspection

Dear Stan:

An inspection was made in the field on May 29. Present at the inspection were Tom Stewart from Silver Springs Development, Inc., Jim Webster from James Webster and Associates, and Stan Postma.

A visual inspection was conducted of all of the drain lines in Plats 1-A and 1-B of Silver Springs to determine the adequacy of the drainage system. The developer has been metering the flow out of the drainage system by means of a weir at the discharge point into the drainage canal. He indicated that the maximum flow measured this spring was 1500 gallons per minute. Presently it is flowing at approximately 800 gallons per minute.

By way of inspection, it was determined that the majority of the drainage was being picked up in one line which extends up into Plat 1-A. The Plat 1-B drainage lines were flowing moderately. A visual inspection was made of the majority of the manholes to determine the flow quantities in each of the reaches of the pipe. The only problem area identified by the inspection was an area at manhole #13 which lies along Silver Springs Drive. This manhole had approximately 6' of surcharge in the manhole. The reach immediately downstream from this manhole has been constructed on a fairly flat slope which decreases the discharge in this line. The rest of the lines appear to be functioning normally with no surcharge evident.

Manhole 13

Mr. Spencer was directed to install a supplementary drain line extending from manhole #13 and connecting to manhole #14. This would relieve some of the surcharge situation in manhole #13. The flow would be split in manhole #13, some directed into manhole #14 with the remainder continuing to flow into the existing drainage system. The proposed route of

Manhole 14

Stan Strebel
May 30, 1980
Page 2

the new line would be between lots 17 and 18, along the back of lot 36, and along the west edge of lot 36, and into manhole #14. These lots are all located in Plat 1-A. Mr. Spencer indicated they would be willing to do this.

With the addition of this new line to relieve the surcharge situation it appears that the drainage system is functioning properly throughout the development and that the developer can, therefore, go ahead and backfill the lines in Plat 1-B. The lines located in Plat 1-A have already been backfilled. Once this new line has been constructed, a new inspection should be performed to determine if this relieves the surcharge situation adequately. If the surcharge is relieved by the installation of this new line the system can be accepted as it is constructed.

If you should have further questions concerning the drainage system and the inspection made, please contact us.

Respectfully,

FORSGREN-PERKINS ENGINEERING


Stanley S. Postma, P. E.
Project Manager

SSP/bw

cc: Tom Spencer
Jim Webster

