

# **Attachment F**

## **FLOOD HEIGHT DIFFERENCE ANALYSIS**

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## FOURCHE BOTTOMS' FLOOD HEIGHTS

		<u>1985 Analysis</u>			<u>1979 Analysis</u>		
		<u>Existing</u> <u>Conditions</u> <u>Elevation</u>	<u>Modified</u> <u>Conditions</u> <u>Elevation</u>	<u>Reduction</u> <u>in flood</u> <u>elevation</u>	<u>Existing</u> <u>Conditions</u> <u>Elevation</u>	<u>Modified</u> <u>Conditions</u> <u>Elevation</u>	<u>Reduction</u> <u>in flood</u> <u>elevation</u>
<u>Major Road</u>	<u>River Mile</u>	<u>(NGVD)</u>	<u>(NGVD)</u>	<u>Feet</u>	<u>(NGVD)</u>	<u>Feet</u>	<u>Feet</u>
South University Ave.	13.14	268.00	262.75	5.25	265.00	263.00	2.00
North University Ave.	13.12	267.75	262.25	5.50	264.50	262.50	2.00
	13.11	267.75	262.25	5.50	264.00	262.00	2.00
	13.10	267.79	262.23	5.56	264.00	261.98	2.02
	13.09	267.83	262.21	5.62	264.00	261.96	2.04
	13.08	267.87	262.19	5.67	264.00	261.94	2.06
	13.07	267.90	262.17	5.73	264.00	261.92	2.08
	13.06	267.94	262.15	5.79	264.00	261.90	2.10
	13.05	267.98	262.13	5.85	264.00	261.88	2.12
	13.04	268.02	262.12	5.90	264.00	261.87	2.13
	13.03	268.06	262.10	5.96	264.00	261.85	2.15
	13.02	268.10	262.08	6.02	264.00	261.83	2.17
	13.01	268.13	262.06	6.08	264.00	261.81	2.19
	13.00	268.17	262.04	6.13	264.00	261.79	2.21
	12.99	268.21	262.02	6.19	264.00	261.77	2.23
	12.98	267.50	262.00	5.50	263.00	260.50	2.50
	12.25	267.50	262.00	5.50	262.75	258.50	4.25
Union Pacific Railroad	11.5						
	9.50	267.00	261.25	5.75	262.75	258.50	4.25
Railroad Spur	7.70						
	6.00	266.50	261.00	5.50	262.75	258.50	4.25
Highway 365	4.55	266.25	261.00	5.25	262.75	258.50	4.25

\*Comparisons are of the Strandard Project Flood for "Present Conditions"

\*The 1979 Analysis had no modification to the channel between river miles 4.575 and 12.980 in Fourche Bottoms. This analysis incorrectly assumed that the channelization downstream of Fourche Bottoms would reduce flood heights at University Ave.

\*The 1985 Analysis found that it was necessary to added or increased relief openings at rivermiles 7.7 and 11.5 to reduce flood heights upstream at University Avenue.

