



**DEFINITIONS:**

- DESIGN FLOOD:** THE FLOOD SELECTED BY F.D.O.T. TO BE UTILIZED TO ASSURE A STANDARD LEVEL OF HYDRAULIC PERFORMANCE.
- BASE FLOOD:** THE FLOOD HAVING A 1% CHANCE OF BEING EXCEEDED IN ANY YEAR. (100 YR. FREQUENCY)
- OVERTOPPING FLOOD:** THE FLOOD WHERE FLOW OCCURS (A) OVER THE HIGHWAY (B) OVER A WATERSHED DIVIDE OR (C) THROUGH EMERGENCY RELIEF STRUCTURES.
- GREATEST FLOOD:** THE MOST SEVERE FLOOD WHICH CAN BE PREDICTED WHERE OVERTOPPING IS NOT PRACTICABLE, NORMALLY ONE WITH A 0.2% CHANCE OF BEING EXCEEDED IN ANY YEAR. (500 YR. FREQUENCY)

STRUCTURE NO.	STATION	DESIGN FLOOD		BASE FLOOD		OVERTOPPING FLOOD				GREATEST FLOOD			
		4% PROB.		1% PROB.		DISCHARGE	STAGE	PROB. %	FREQ. YR.	DISCHARGE	STAGE	PROB. %	FREQ. YR.
		DISCHARGE	STAGE	DISCHARGE	STAGE								
X-1	100+00	0.23	152.00	0.28	153.07	-	-	-	-	0.48	157.50	0.20	500
X-2	104+50	0.32	152.00	0.00	153.07	-	-	-	-	0.39	157.50	0.20	500
X-3	121+50	0.14	177.14	0.58	177.79	-	-	-	-	0.00	179.39	0.20	500
X-4	1087+00	0.45	163.02	2.00	163.05	-	-	-	-	7.67	163.13	0.20	500
X-5	1096+50	3.39	152.00	5.52	153.07	-	-	-	-	13.01	157.50	0.20	500
X-6	1116+18	0.93	180.03	2.50	180.26	-	-	-	-	14.16	182.48	0.20	500

**NOTE:** THE HYDRAULIC DATA IS SHOWN FOR INFORMATIONAL PURPOSES ONLY, TO INDICATE THE FLOOD DISCHARGES AND WATER SURFACE ELEVATIONS WHICH MAY BE ANTICIPATED IN ANY GIVEN YEAR. THIS DATA WAS GENERATED USING HIGHLY VARIABLE FACTORS DETERMINED BY A STUDY OF THE WATERSHED. MANY JUDGEMENTS AND ASSUMPTIONS ARE REQUIRED TO ESTABLISH THESE FACTORS. THE RESULTANT HYDRAULIC DATA IS SENSITIVE TO CHANGES, PARTICULARLY OF ANTECEDENT CONDITIONS, URBANIZATION, CHANNELIZATION, AND LAND USE. USERS OF THIS DATA ARE CAUTIONED AGAINST THE ASSUMPTION OF PRECISION WHICH CAN NOT BE ATTAINED. DISCHARGES ARE IN CUBIC FEET PER SECOND AND STAGES ARE IN FEET, MVD, 1929.



**POLK COUNTY**  
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REVISION	DATE	BY

**FDC GROVE ROAD**  
**ERNIE CALDWELL BLVD.**  
**HELLER BROTHERS BLVD.**

**REGIONAL DRAINAGE MAP**

COUNTY PROJECT #	SHEET
0600001B	8