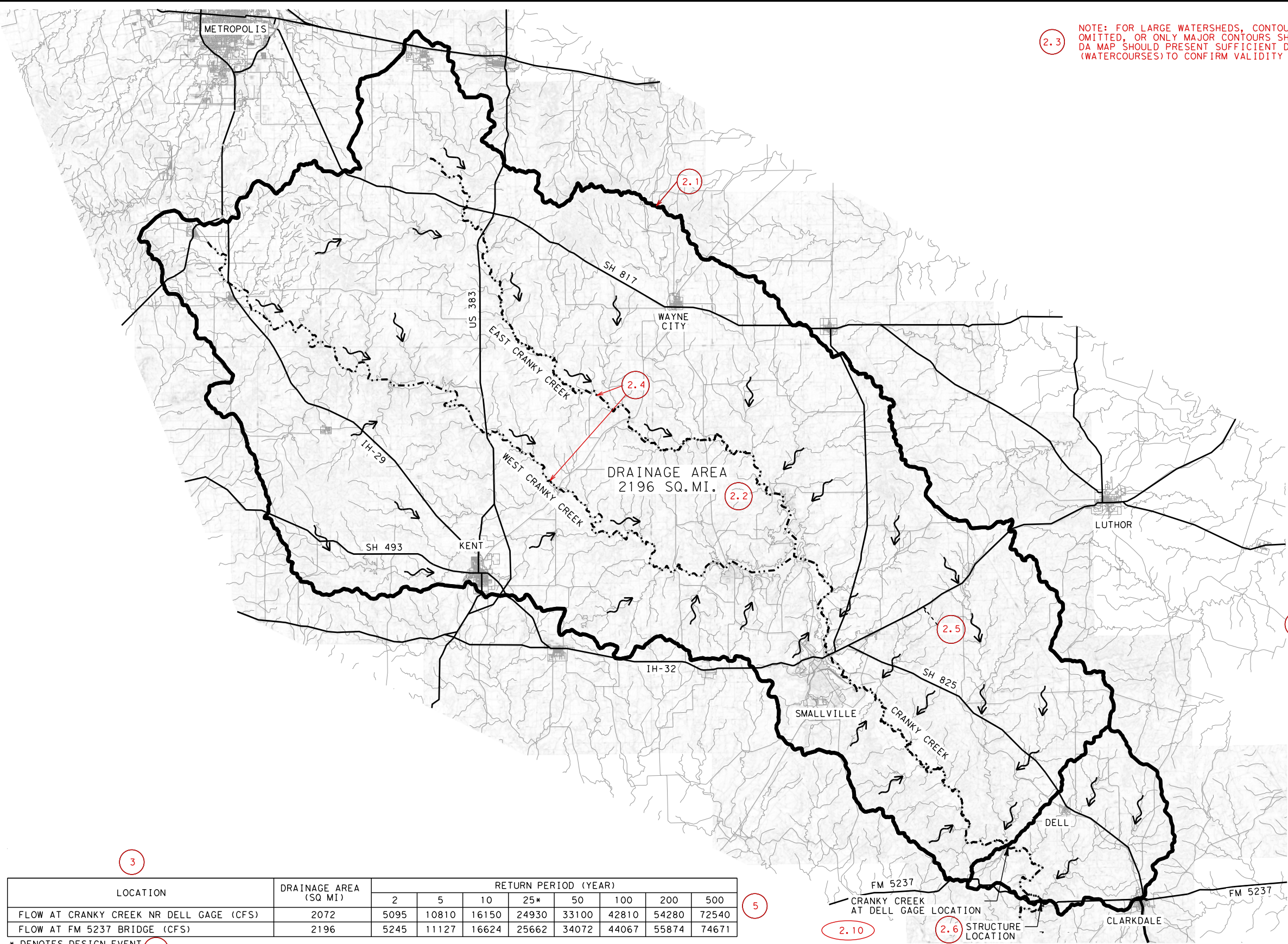
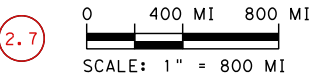




NOTE: FOR LARGE WATERSHEDS, CONTOURS MAY BE OMITTED, OR ONLY MAJOR CONTOURS SHOWN FOR CLARITY; DA MAP SHOULD PRESENT SUFFICIENT DATA (WATERCOURSES) TO CONFIRM VALIDITY OF DA BOUNDARY



- LEGEND
- DRAINAGE BOUNDARY
 - WATERCOURSE
 - FLOW DIRECTION
 - MAJOR ROADS

SEE DRAINAGE REPORT "HYDRAULIC ANALYSIS: FM 5237 AT CRANKY CREEK" DATED JULY 4, 2023 BY KRYPTON CONSULTANTS, FOR ADDITIONAL INFORMATION.

REFERENCE ITEM ON PBLR H&H CHECKLIST

LOCATION	DRAINAGE AREA (SQ MI)	RETURN PERIOD (YEAR)							
		2	5	10	25*	50	100	200	500
FLOW AT CRANKY CREEK NR DELL GAGE (CFS)	2072	5095	10810	16150	24930	33100	42810	54280	72540
FLOW AT FM 5237 BRIDGE (CFS)	2196	5245	11127	16624	25662	34072	44067	55874	74671

* DENOTES DESIGN EVENT

- WATERSHED DELINEATED USING 2019 USGS 7.5', 1:24,000 TOPOGRAPHIC MAPS.
- FLOW CALCULATED USING STATISTICAL ANALYSIS OF ANNUAL PEAK FLOW DATA FROM THE USGS STREAM GAGE ON CRANKY CREEK NEAR DELL, TX (USGS STATION 00000000). THE PEAK FLOW RATES ARE AVAILABLE FROM 1928 TO 2023.
- THE PEAKFQ PROGRAM, VERSION 7.4.1, WAS UTILIZED FOR THE GAGE ANALYSIS.
- GAGE DATA TRANSPPOSED TO SITE USING HDM EQ 4-10.



FM 5237
AT CRANKY CREEK
DRAINAGE AREA MAP

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FED. RD DIV. No.	CONTROL No.	SECTION No.	JOB No.	HIGHWAY No.
6	9999	99	9999	FM 5237
STATE	DISTRICT	COUNTY	SHEET No.	
TEXAS	DMY	BADLANDS		