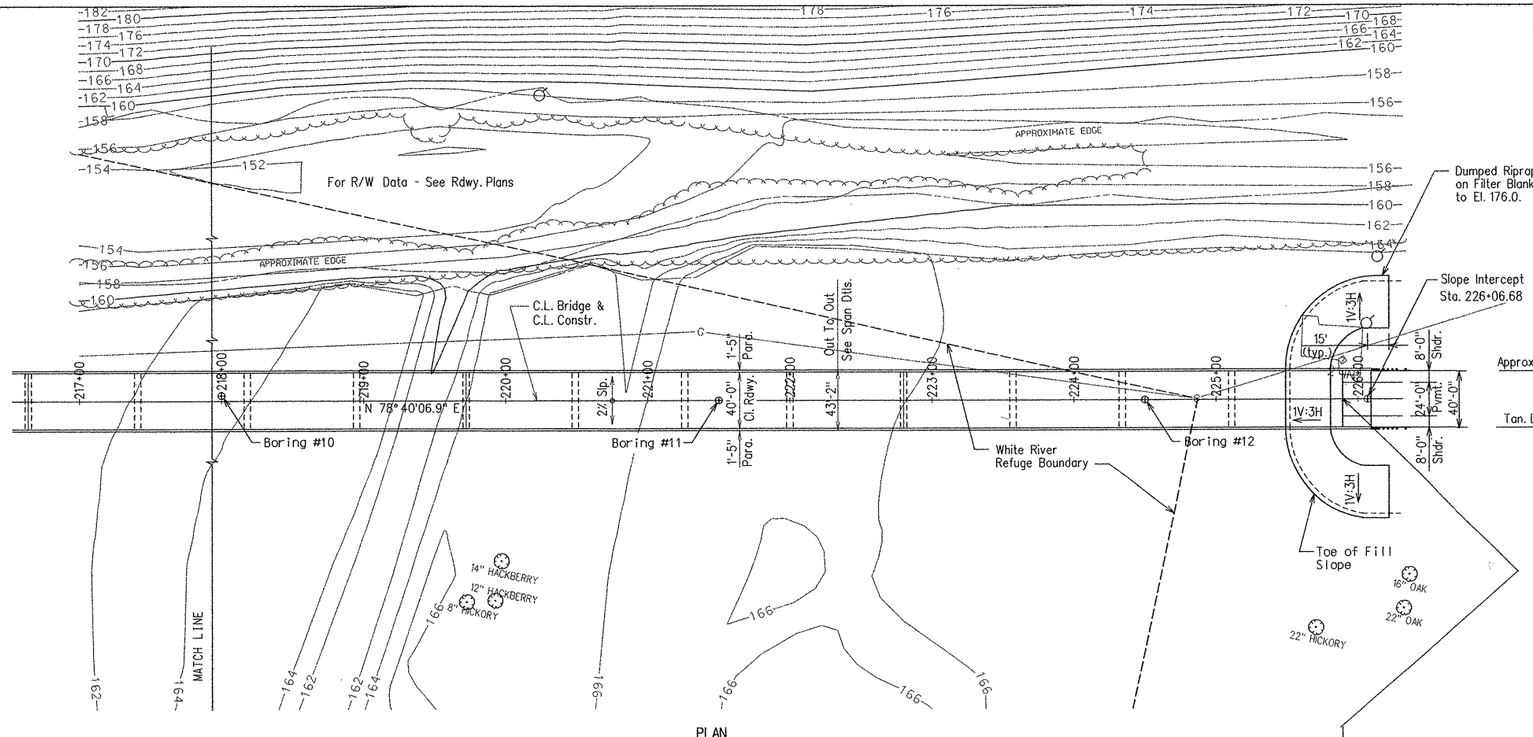
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
6	ARK.			
JOB NO.		110503	84	233
(1) 07027		LAYOUT	41888	



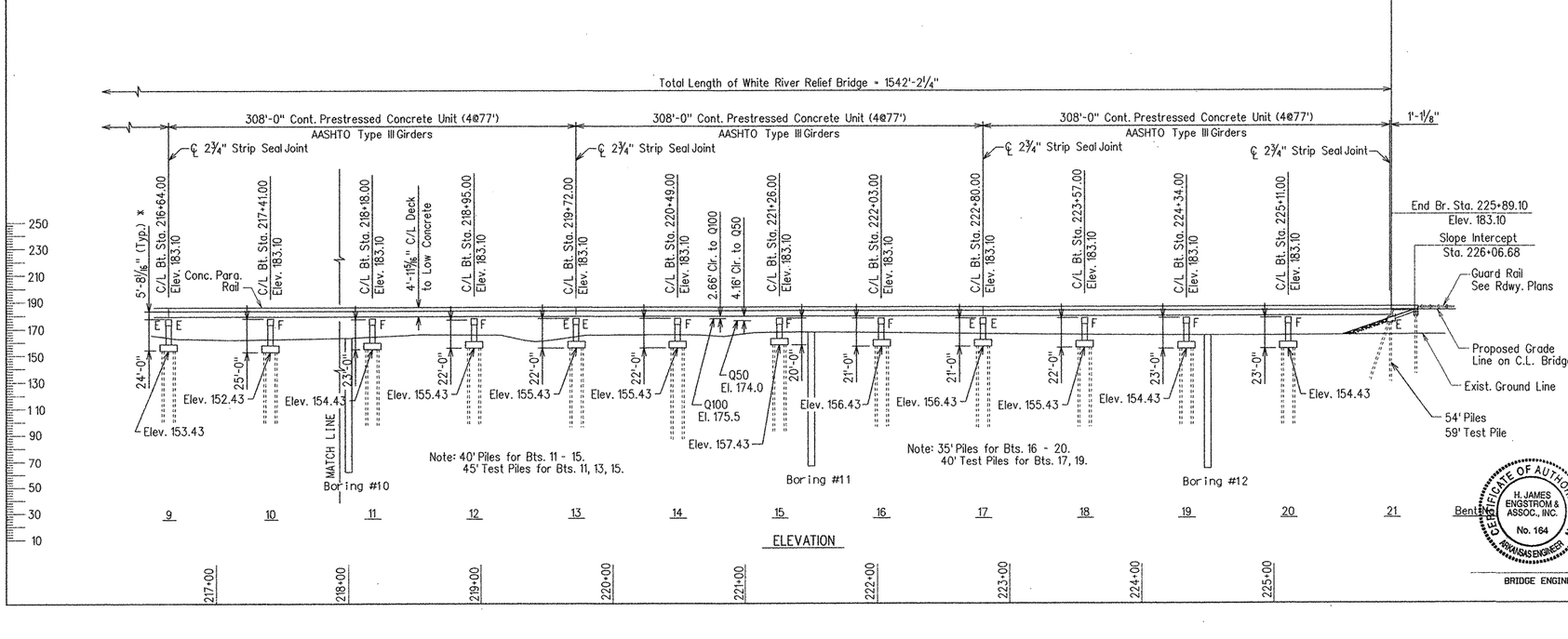
PLAN

HYDRAULIC DATA

FLOOD DESCRIPTION	FREQUENCY	TOTAL DISCHARGE ***	DISCHARGE THRU BRIDGE	** NATURAL WATER SURFACE ELEVATION	WATER SURFACE ELEV. WITH BACKWATER
	YEARS	CFS	CFS	FEET	FEET
Design	50	193,000	19,300	174.0	174.9
Base	100	216,000	20,700	175.5	176.0
Extreme	500	270,300	27,030	177.4	177.7
Overtopping	> 500	-		-	-

** Unconstricted water surface without structure or roadway approaches. Drainage area = 25,555 square miles.

*** Data shown is for entire White River Floodplain. Includes Roc Roe Bridge (Br. No. 06829), White River Relief Bridge (Br. No. 07027), & White River Bridge (Br. No. 06830)



ELEVATION

x Top of Deck at C.L. Bridge and C.L. Bent to Low End of Cap

Strip Seal Joints to have 4" movement rating.
Strip Seal Joints are designated as "X" Strip Seal Joints where "X" represents the "A" dimension at 60 degrees F as shown in the table on dwg. no. 41902.

Use Type Special Approach Slabs & Type Special Gutters at Bridge end - See dwg. nos. 41904 & 41905.

Note: See dwg. no. 41890 for Soil Borings & additional data.
See dwg. no. 41889 for General Notes.

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER N. JAMES ENGSTROM NO. 3925 9/9/07

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER W. B. CONWAY No. 4281

CERTIFICATE OF AUTHORIZATION H. JAMES ENGSTROM & ASSOC., INC. No. 164 ARKANSAS ENGINEER

BRIDGE ENGINEER

ALTERNATE NO. 1

LAYOUT OF WHITE RIVER RELIEF BRIDGE (SHEET 2 OF 2)
ROC ROE & WHITE RIVER RELIEF STRS. & APPRS. (CLARENDON) (F)
MONROE COUNTY
ROUTE 79 SEC. 13

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

Engstrom / Modjeski and Masters

DRAWN BY: LKD/TAD DATE: Feb. 06
CHECKED BY: FS DATE: Feb. 06
DESIGNED BY: YO DATE: Feb. 06
FILENAME: b11050312_l2.dgn
SCALE: 1" = 50'-0"

BRIDGE NO. 07027 DRAWING NO. 41888