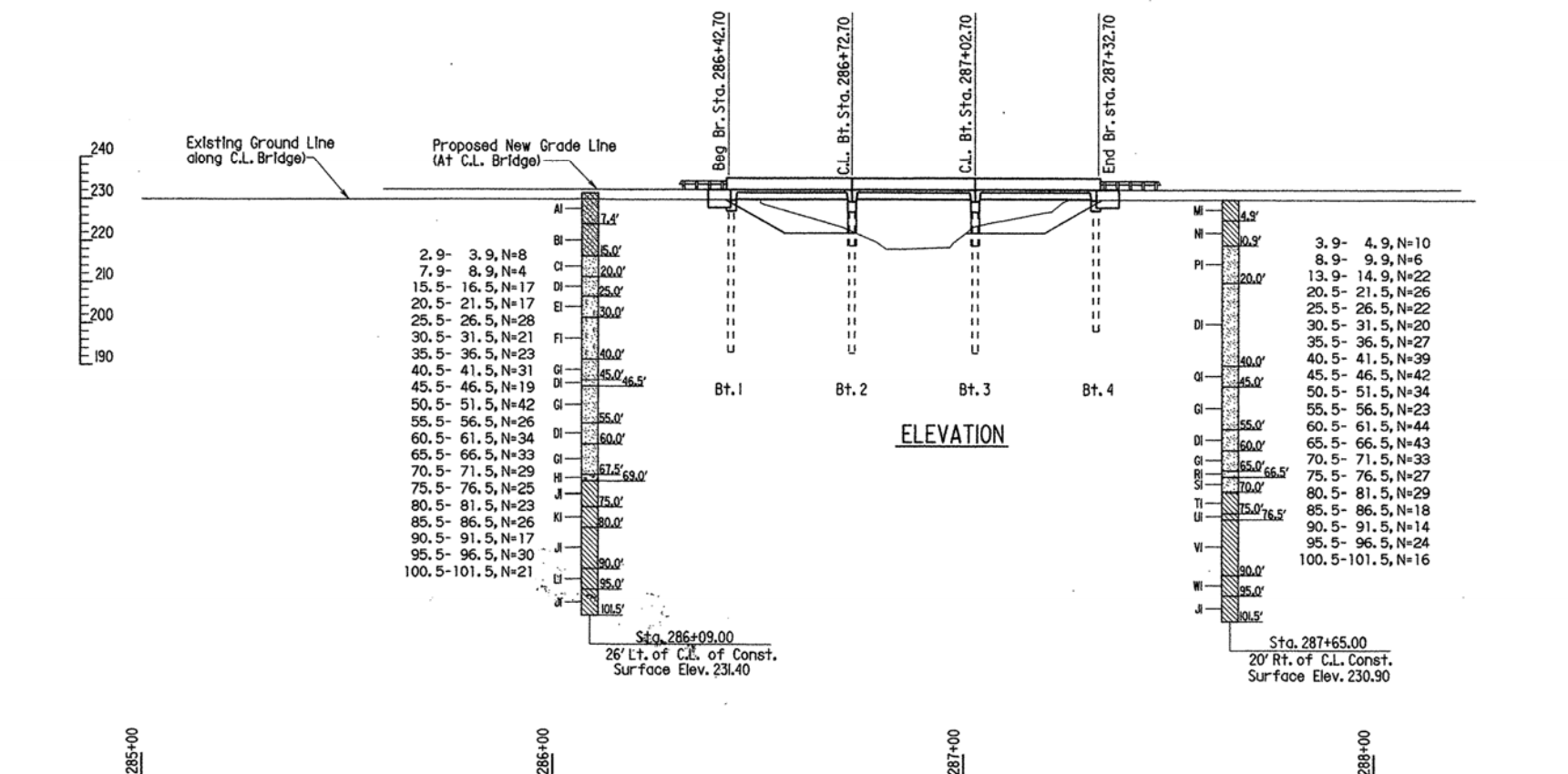


DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		100303	61	187
				06986		LAYOUT		46296



### BORING LEGEND

AI-Moist, Medium Stiff, Brown and Gray Sandy Clay  
BI-Wet, Soft, Gray Sandy Clay  
CI-Wet, Medium Dense, Gray Sand with Traces of Lignite  
DI-Wet, Medium Dense, Gray Sand  
EI-Wet, Medium Dense, Gray Silty Sand with Traces of Lignite  
FI-Wet, Medium Dense, Gray Silty Sand  
GI-Wet, Dense, Gray Sand  
HI-Wet, Dense, Gray Sand and Gravel  
JI-Moist, Very Stiff, Brown and Gray Clay  
KI-Moist, Very Stiff, Brown and Gray Clay with some Organic Matter  
LI-Moist, Very Stiff, Brown Clay with some Sand  
MI-Moist, Medium Stiff, Brown and Gray Clay with some Gravel (Fill Material)  
NI-Wet, Medium Stiff, Brown and Gray Clay  
PI-Wet, Medium Dense, Brown and Gray to Gray Sand  
QI-Wet, Dense, Gray Sand with Traces of Organic Matter  
RI-Wet, Dense, Gray Sand with Traces of Lignite  
SI-Wet, Dense, Gray Sand with Traces of Clay  
TI-Moist, Hard, Brown and Gray Clay  
UI-Moist, Very Stiff, Brown Clay with Traces of Gravel  
VI-Moist, Very Stiff, Brown Clay  
WI-Moist, Stiff, Brown and Gray Clay

### HYDRAULIC DATA

Drainage Area = 6.0 sq. mi.

FLOOD	FREQUENCY	DISCHARGE	NATURAL WATER SURFACE ELEV. ③	WATER SURFACE ELEVATION WITH BACKWATER
DESCRIPTION	YEARS	CFS	FEET	FEET
DESIGN	50	1080	227.4	227.7
BASE	100	1210	227.4	227.8
EXTREME	500	1500	227.6	228.2
OVERTOPPING	>500	—	—	—

#### Remarks

- Historical Highwater Elev. = 228.0
- Low Bridge Member Elev. = 228.32

③ Unconstricted water surface elevation at proposed bridge location without structure or roadway approaches

SHEET 2 OF 2  
LAYOUT OF BRIDGE  
OVER BIG BAY DITCH  
HWY. 158 - WEST (S)  
CRAIGHEAD COUNTY

ROUTE 18 SEC. 4  
ARKANSAS STATE HIGHWAY COMMISSION  
LITTLE ROCK, ARK.

DRAWN BY: KMG DATE: 22 AUG 03 FILENAME: b100303x2.112  
CHECKED BY: CMB DATE: 10-03 SCALE: 1" = 20'  
DESIGNED BY: DMB DATE: 07-03  
BRIDGE NO. 06986 DRAWING NO. 46296



BRIDGE ENGINEER