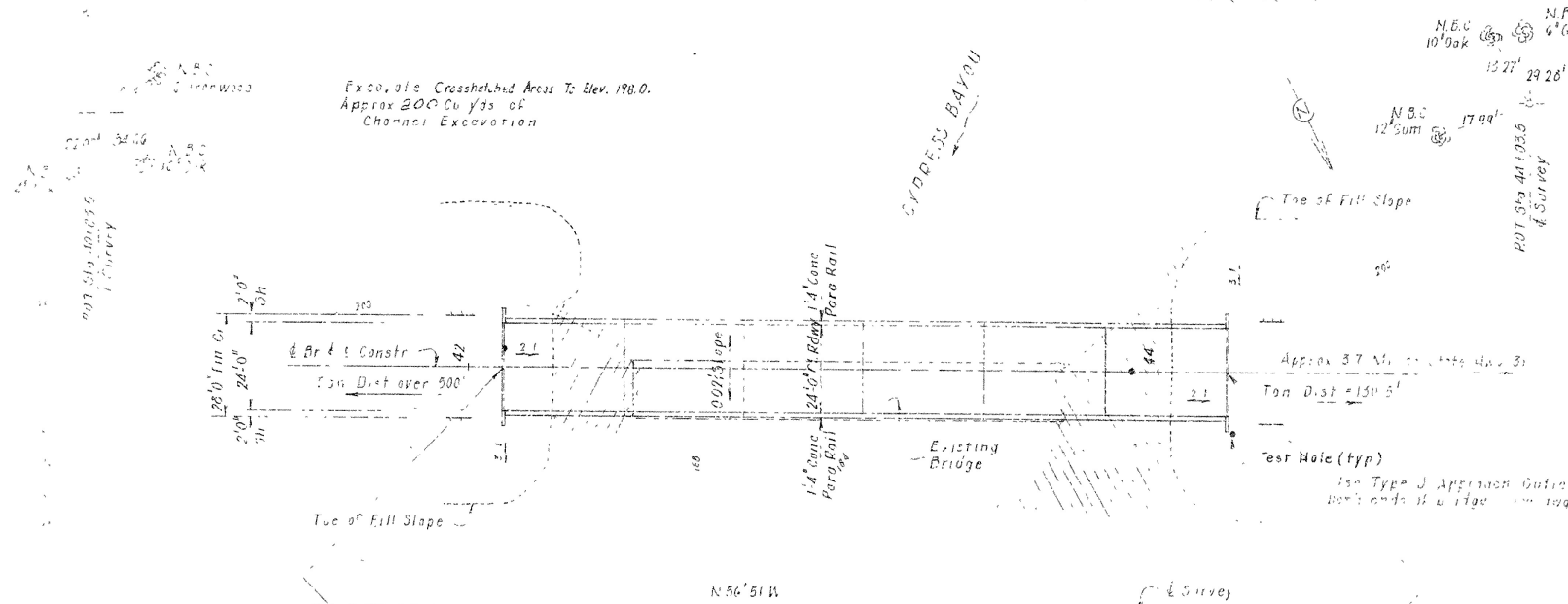


DATE REVISED	DATE FILED	DATE REVISED	DATE FILED	FED. ROAD FIO	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		5645	13	36
				① 6675	ALBUT	21360		



BORING LEGEND

- A Moist, Stiff, Brown Silty, Sandy Clay (Fill Material)
- B Moist to Wet, Sink to Medium stiff, Mortared Sand, Clayey Silt
- C Wet, Medium Dense, Gray Silty, Mortared Organic Matter
- D Wet, Medium Dense to Loose, Gray Sand, Silty
- E Wet, Medium Dense, Dense, Gray Sand with Gravel
- F Moist, Stiff, Mortated Silty to Sandy Clay
- G Wet, Very Soft, Gray Silty, Clay with Organic Matter
- H Wet, Medium Dense, Gray and Brown Sand
- I Moist, Stiff, Mortated Silty Clay with Organic Matter
- K Wet, Medium Dense to Loose, Gray Silty Sand

GENERAL NOTES

BENCH MARK: NAIL IN NEW CAP 56 FT. LT. STA. 42-48. ELEV. 199.96
ALL PILING SHALL BE 12" OCTAGONAL PRECAST CONCRETE AND SHALL BE DRIVEN WITH AN
APPROVED AIR SHOCK HAMMER TO A MINIMUM BEARING CAPACITY OF 40 TONS
PER PILE. TO A MINIMUM PENETRATION OF 20 FEET. GRADE LENGTHS
OF PILING SHOWN ARE ASSUMED FOR ESTIMATING QUANTITIES IF ANY ACTUAL LENGTHS
TO BE DETERMINED IN THE FIELD. DRIVE ONE SOFT. TEST PILE IN PENTS 3 AND 6. SQUARE
PILES. ACTUAL SHAPES SHALL NOT BE MIXED ON ANY BRIDGE.
PILES IN PENTS TO BE DRIVEN AFTER EMBANKMENT TO SUBGRADE IS IN PLACE.

FOR DETAILS OF BENTS, SEE DWG. NO. 21061
FOR DETAILS OF SLAB SPANS, SEE DWG. NO. 21062
FOR DETAILS OF PRECAST CONCRETE PILING SEE DWG. NO. 2383

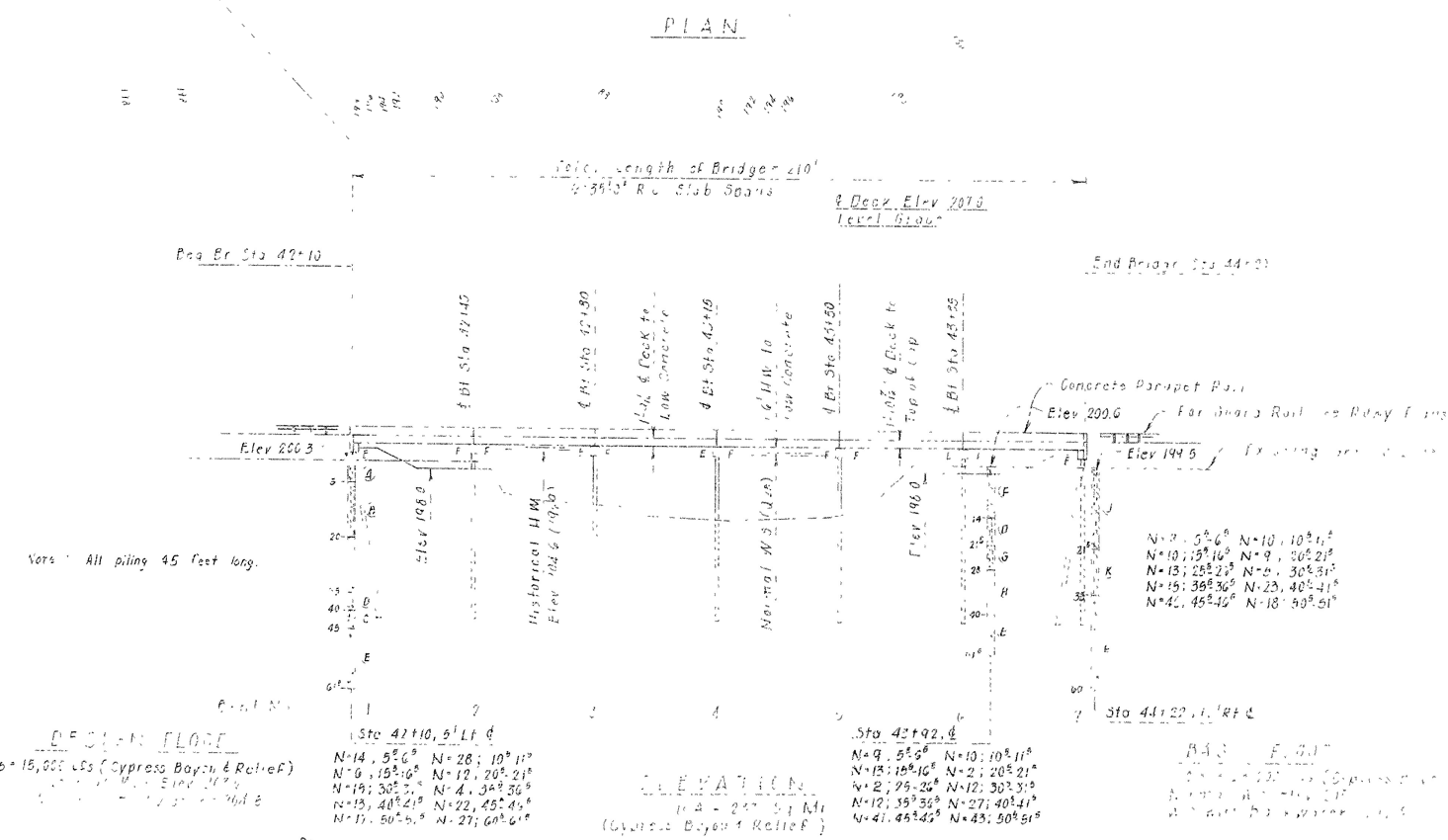
SPECIFICATIONS: ARKANSAS STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR
HIGHWAY CONSTRUCTION, EDITION OF 1972, AND APPLICABLE SPECIAL PROVISIONS

DESIGN SPECIFICATIONS: AASHTO 1973 WITH 1974 THRU 1976 INTERIMS.

LIVE LOADING: H15

METHOD OF DESIGN: LOAD FACTOR

REMOVE THE EXISTING 125 FT. BRIDGE AT STA. 43+41 AND THE EXISTING 61 FT. BRIDGE AT STA. 46+09. THE EXISTING BRIDGES CONSIST OF TIMBER DECKS ON TIMBER STRINGERS, SUPPORTED BY TIMBER CABS AND PILING. SEE SECTION 213 OF THE STANDARD SPECIFICATIONS. ALL MATERIAL FROM THE EXISTING BRIDGE SHALL BECOME THE PROPERTY OF THE CONTRACTOR, EXCEPT STEEL PLATE GUARD RAILING WHICH SHALL BE SALVAGED AND REMAIN THE PROPERTY OF THE STATE.



Note: All piling 45 feet long.

DEFENSE FLOOD
Q25 - 15,000 lbs (Cypress Bayou & Relief)

Site 42 + 10, 5' Lt. d

N = 14, 5 ^h 6 ^s	N = 28; 10 ^h 11 ^s
N = 6, 15 ^h 6 ^s	N = 12, 20 ^h 21 ^s
N = 19; 30 ^h 7 ^s	N = 4, 34 ^h 36 ^s
N = 13, 40 ^h 41 ^s	N = 22, 45 ^h 46 ^s
N = 17, 50 ^h 5 ^s	N = 27; 60 ^h 6 ^s

Stu 42 + 92, 4

$N = 9; 5^2 5^6$	$N = 10; 10^2 11^5$
$N = 13; 13^2 16^5$	$N = 2; 20^2 21^5$
$N = 2; 25^2 26^5$	$N = 12; 30^2 3^5$
$N = 12; 35^2 36^5$	$N = 27; 40^2 41^5$
$N = 41; 45^2 46^5$	$N = 43; 50^2 51^5$

$$\begin{array}{ll} N=3, 5^4 \cdot 6^5 & N=10, 10^5 \cdot 1^4 \\ N=10; 15^5 \cdot 16^5 & N=9, 30^5 \cdot 21^5 \\ N=13; 25^5 \cdot 2^5 & N=6, 30^5 \cdot 31^5 \\ N=15; 35^5 \cdot 36^5 & N=23, 40^5 \cdot 41^5 \\ N=42, 45^5 \cdot 46^5 & N=18, 50^5 \cdot 51^5 \end{array}$$

LAYOUT OF BRIDGE OVER
CYPRESS BAYOU
CYPRESS BAYOU BRG. & APPRS
WHITE COUNTY
ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: DATE:
CHECKED BY: DATE: 2-3-77 SCALE:
DESIGNED BY: DATE:
BRIDGE NO. 5672 DRAWING NO. 21060

