

DATE REVISION	DATE FILLED	DATE REVISION	DATE FILLED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
						86%	10	36
						5671	LAYOUT	21057

BOHRING LEGEND

- A. Moist, Very Stiff, Brown and Gray Silty Clay with Gravel.
- B. Moist, Stiff, Argill and Gray Silty Clay.
- C. Moist, Very Stiff, Brown and Gray Silty Clay
- D. Wet, Loose, Gray Silty Sand
- E. Wet, Dense, Gray Sand
- F. Wet, Dense, Gray Sand with Gravel
- G. Moist, Soft, Brown and Gray Silty Clay.
- H. Moist, Stiff, Brown and Gray Silty Clay with Organic Matter
- I. Moist to Wet, Medium Stiff to Soft, Brown and Gray Silty Clay with Wood
- J. Wet, very Soft, Brown and Gray Silty Clay with wood
- K. Wet, Soft, Gray Silty Clay
- L. Wet, Medium Dense, Gray Silty Sand with Organic Matter
- M. Wet, Medium Dense to Dense, Gray Silty Sand.
- N. Wet, Dense to Medium Dense, Brown Sand with Scattered Gravel
- O. Moist, Very Stiff, Medium Sandy, Silty Clay (Fill Material)
- P. Moist, Very Stiff to St. P. Mottled Sandy Clayey Silt
- Q. Wet, Loose to Very Loose, Gray Sands and Silts with Mottled Wood
- R. Wet, Loose, Gray Silt

GENERAL NOTES

BENCH MARK: NAIL IN END OF CAP 50 FT. LT. STA. 27+74, ELEV. 198.75

ALL PILING SHALL BE 16" OCTAGONAL OR 16" SQUARE PRECAST CONCRETE AND SHALL BE DRIVEN WITH AN APPROVED AIR, STEAM, OR DIESEL HAMMER TO A MINIMUM LEARNING CAPACITY OF 44 TONS PER PILE, AND TO A MINIMUM PENETRATION OF 20 FT. BELOW THE GROUND LINE. LENGTHS OF PILING SHOWN ARE ASSUMED FOR ESTIMATING QUANTITIES ONLY. ACTUAL LENGTHS TO BE DETERMINED IN THE FIELD. DRIVE ONE 50 FT. TEST PILE IN BENTS 3 AND 8. SQUARE & OCTAGONAL SHAPES SHALL NOT BE MIXED ON ANY BRIDGE.

PILES IN END BENTS TO BE DRIVEN AFTER EMBANKMENT TO SUBGRADE IS IN PLACE.

FOR DETAILS OF BENTS, SEE DWG. NO. 21058

FOR DETAILS OF SLAB SPANS, SEE DWG. NO. 21059

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

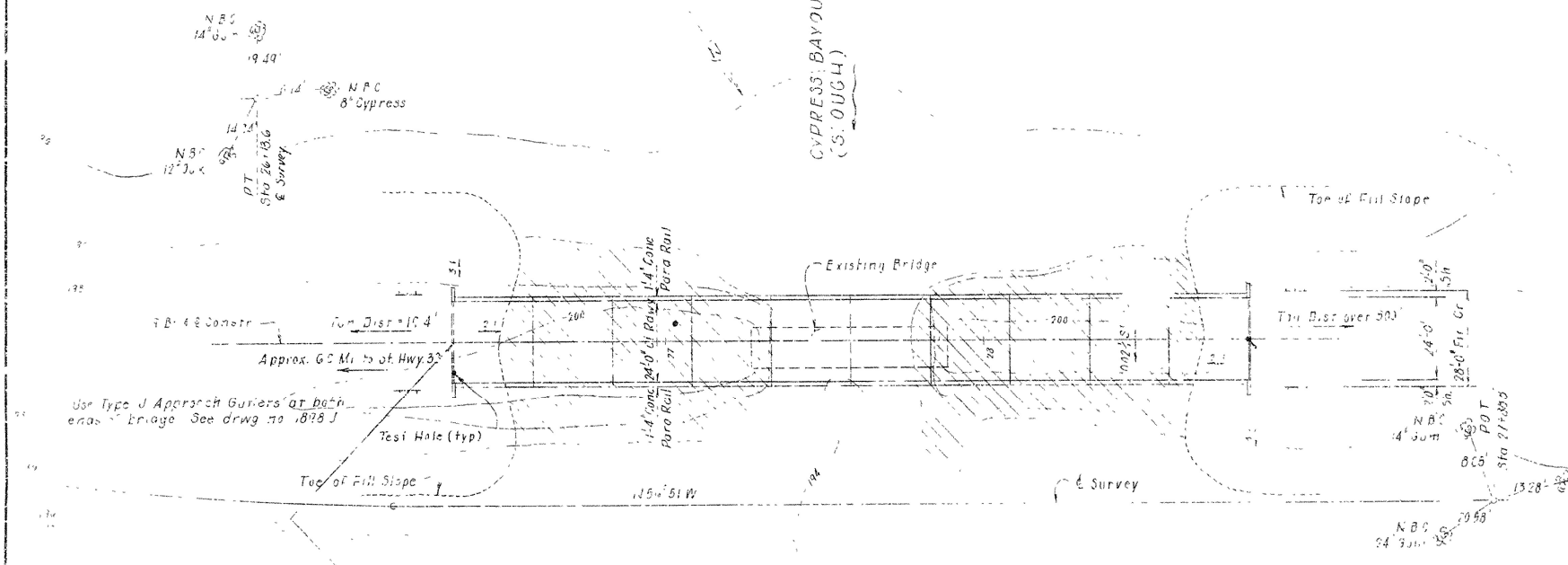
METHOD OF DESIGN: LOAD FACTOR

REMOVE THE EXISTING 61 FT. BRIDGE AT STATION 27+57 AND THE EXISTING 49 FT. BRIDGE AT STATION 35+20. THE EXISTING BRIDGES CONSIST OF TIMBER DECKS ON TIMBER SCOTTERS, SUPPORTED BY TIMBER CAPS 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.

LAYOUT OF BRIDGE OVER
CYPRESS BAYOU (RELIEF)
CYPRESS BAYOU BRGS. & APPRS.
WHITE COUNTY
ROUTE 56C
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: J.A. DATE: 3-1-77
CHECKED BY: J.M.C. DATE: 5-3-77
DESIGNED BY: J.M.C. DATE: 5-3-77
BRIDGE NO. 5671 DRAWING NO. 21057

For R/W Data - See Rowy Plans



PLAN

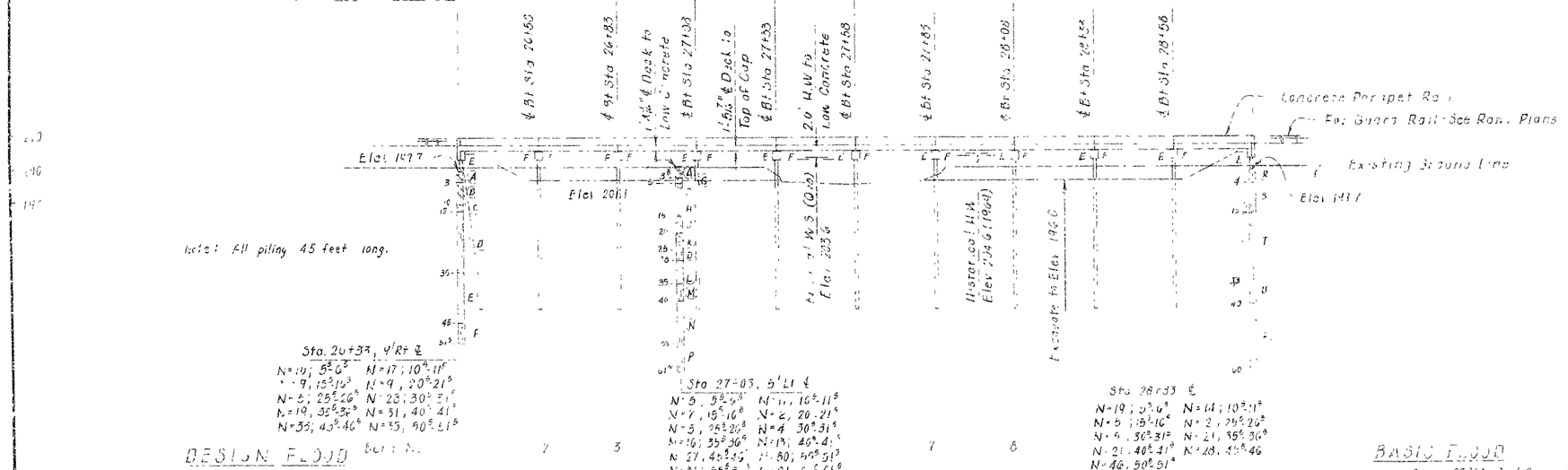
Excavate crosshatched areas to elevation 196.0
Approx 1000 cu yd. of excavation

Total Length of Bridge - 250'-0"
10-25'-0" R.C. Slab Spans

Deck Elev 201.0
Level Grade

Begin Bridge Sta 26+33

End Bridge Sta 35+33



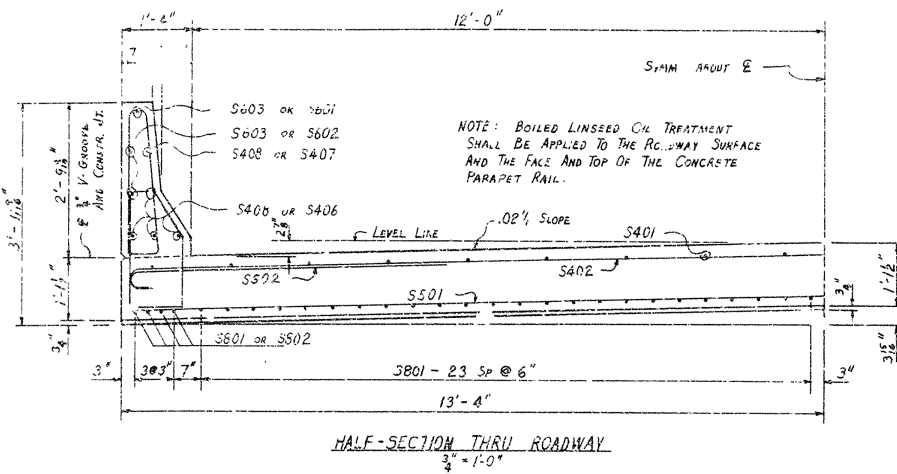
ELEVATION

DESIGN FLOOD
720' 13.2' (Cypress Bayou & Relief)
Normal W.S. Elev 205.0
AS with Backwater 204.5

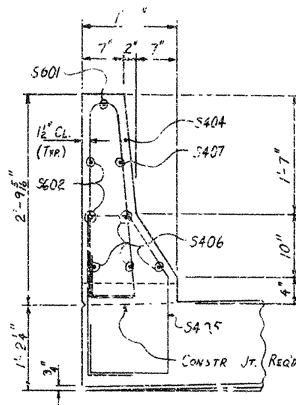
BASIC LOAD
Dist 23.00 ft (Cypress Bayou & Relief)
Normal W.S. Elev 205.0
W.S. with Backwater 204.5

2.4 = 733.5' M
(Cypress Bayou & Relief)

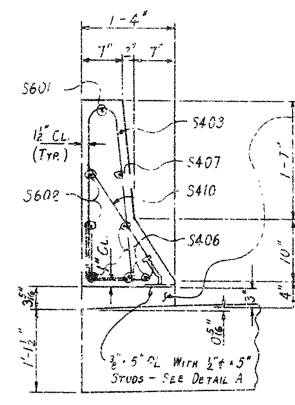
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	CONTRACT NO.
				6	ARK.			
						5696	12	55
						5671		SLAB SPAN 21057



HALF-SECTION THRU ROADWAY
1" = 1'-0"



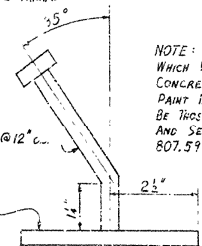
SECTION B-B
1" = 1'-0"



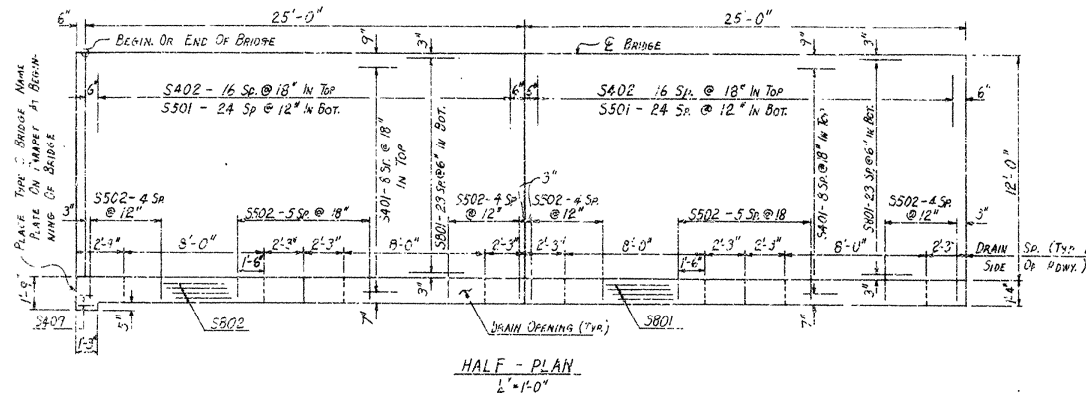
SECTION C-C
1" = 1'-0"

NOTE: DRAIN SHALL TAPER FROM 3" x 8'-0" AT CURB TO 3/8" x 8'-0" AT BACK FACE OF CONCRETE PARAPET RAIL.

1/2" x 5" STUDS @ 12" C.C. (A36)
PL 3/8" x 5" x 8'-0" (A36)



DETAIL A
1/2" = 1'



HALF-PLAN
1/4" = 1'-0"

