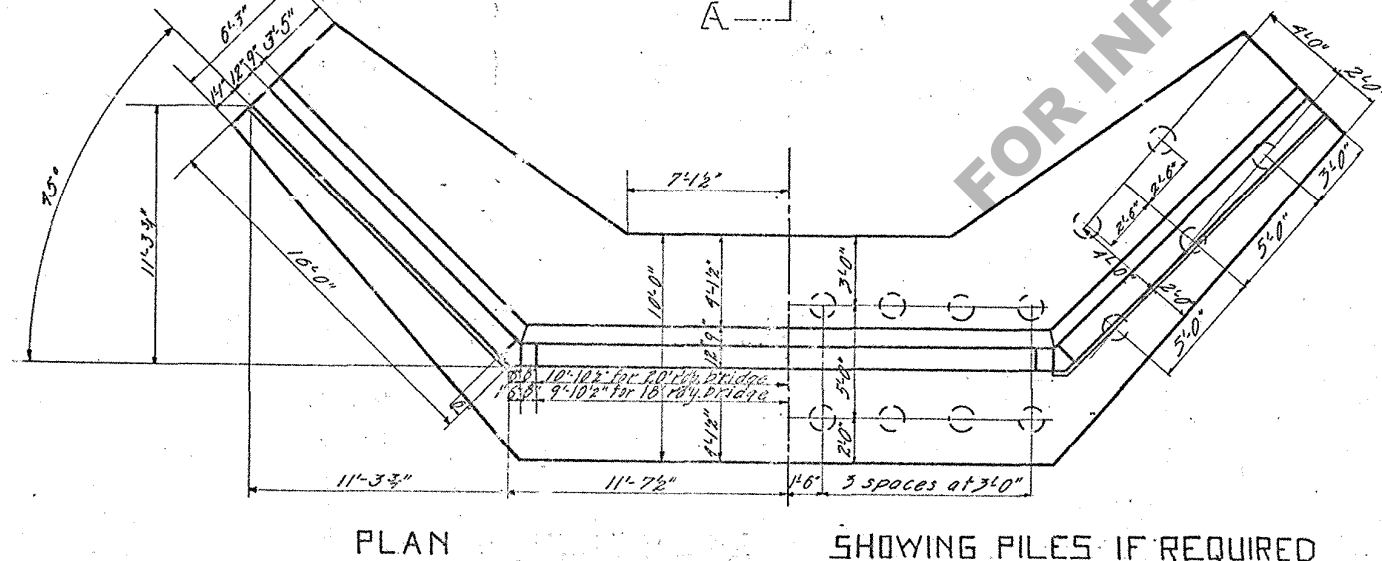
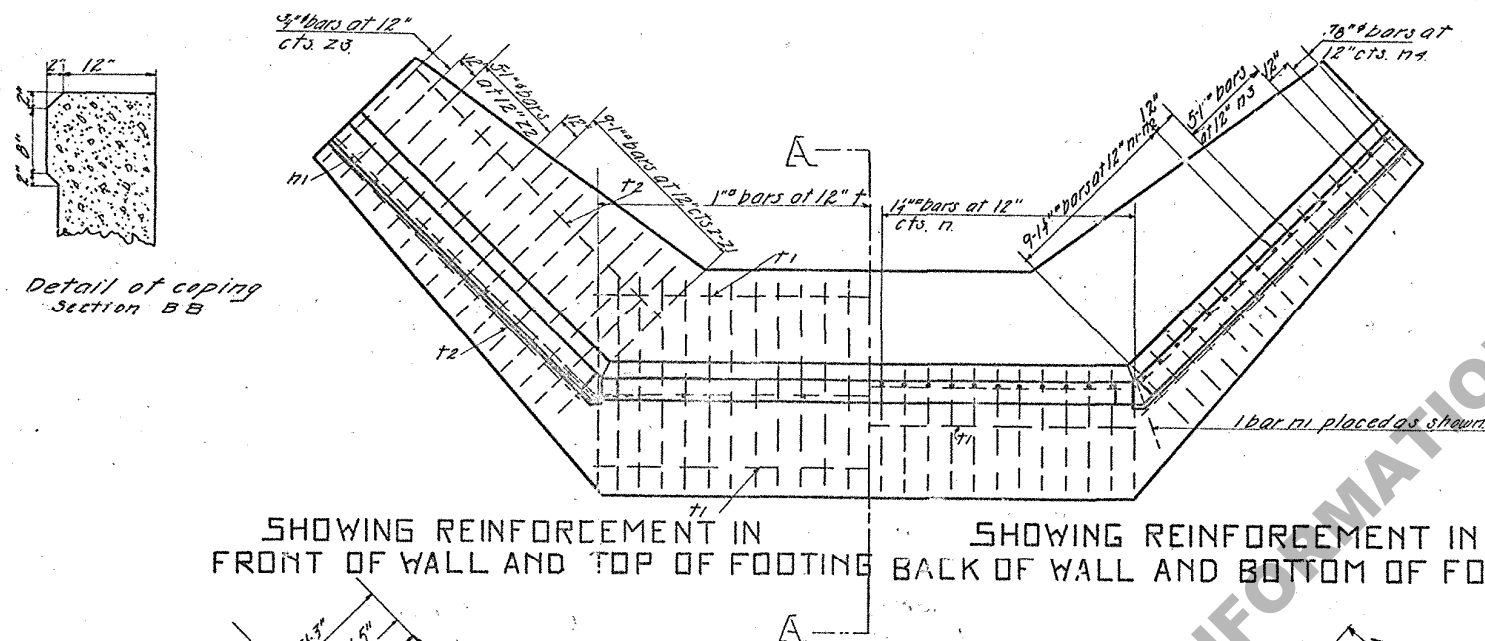
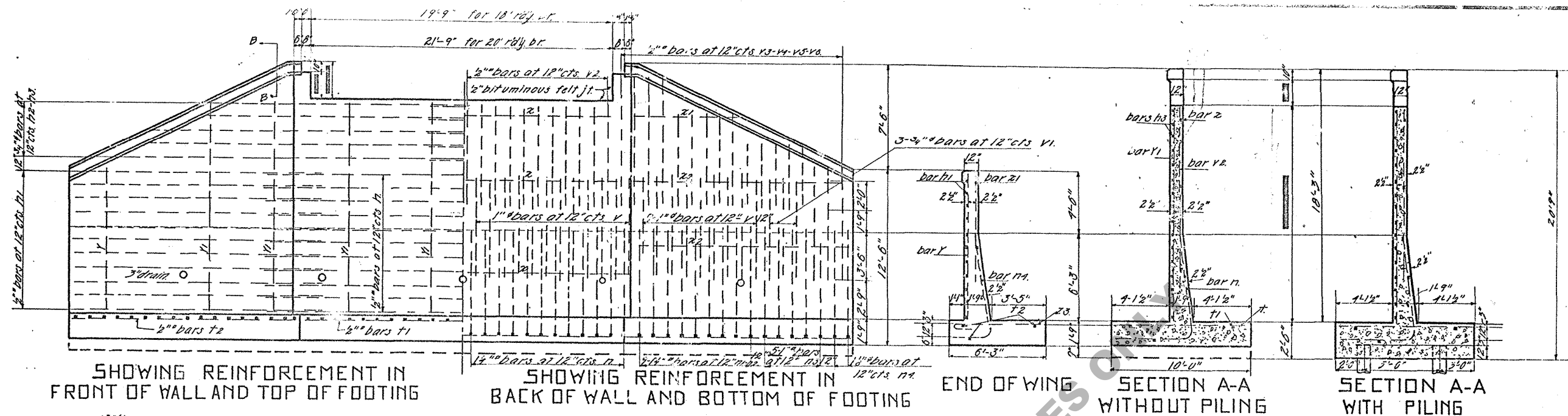




BILL OF MATERIAL					
Bar.	No.	Size	Length Unit	Total Weight	Location
V2	20	1/2"	7'6"	1501.01	vertical in web.
V3	10	1/2"	9'6"	934.01	" " "
V4	10	1/2"	7'0"	701.01	" " "
V5	10	1/2"	4'6"	454.01	" " "
V6	5	1/2"	4'6"	494.01	" " "
H1	22	1/2"	27'11"	3071.51	Horizontal in "
H1	22	1/2"	17'0"	3701.51	" " "
T1	5	3/4"	24'3"	724.91	" " base.
T2	5	3/4"	13'3"	914.91	" " "
X	3	3/4"	23'3"	694.91	" " "
X1	2	3/4"	9'3"	144.91	" " "
X2	4	3/4"	13'3"	614.91	" " "
Y	2	3/4"	10'3"	204.91	vertical " "
Y1	0	3/4"	15'3"	1224.91	" " "
				1325.44	
H	24	1 1/4"	12'4"	3501.01	Horizontal " "
H1	10	1 1/4"	10'4"	1001.01	" " "
H2	10	1 1/4"	10'4"	1021.01	" " "
				513.28	
V1	0	3/4"	9'3"	434.01	Vertical in web
H2	5	3/4"	23'3"	1414.01	Horizontal " "
H3	4	3/4"	19'4"	704.01	" " "
T3	4	3/4"	9'4"	204.01	" " "
				3501.01	
H4	4	3/4"	9'4"	304.01	" " base.
				58.8	
V	12	1 1/4"	7'3"	504.51	Vertical " web
Z2	10	1 1/4"	7'6"	751.01	Horizontal " base
				3794.61	
Z	24	1 1/4"	9'4"	2204.01	" " "
Z1	0	1 1/4"	10'4"	204.01	" " "
Z1	0	1 1/4"	9'4"	804.01	" " "
H3	10	1 1/4"	9'4"	954.01	" " "
				4834.10	
Total reinforcing steel 7269**					
Lin. ft. Piling-26 at 20' = 520' [for estimating only]					
Class A* conc [with piling] 8030 cu. yds					
Class A* conc [without piling] 6906 cu. yds					

DESIGN DATA

Specifications: Louisiana Highway Commission.
Equivalent fluid pressure: 30 lbs. per cu ft.
Steel reinforcement: 8000 lbs. per sq. in.
Concrete in compression 550 lbs. per sq. in.
Shear Glass A concrete 40 lbs. per sq. in.
This design is based on the net areas of bars as follows:-
2" = .25 sq. in. 1" = .19 sq. in. 1/2" = .03 sq. in. 3/4" = .44 sq. in. 1" = .78 sq. in. 1 1/2" = 1.94 sq. in.

GENERAL NOTES

Class A conc. to be used thruout. Proportions 1:2:4
Reinforcing steel shall be deformed bars. Sq. twisted
bars not to be considered as deformed.
All dimensions relative to reinforcement are to centers of bars.
No splices to be permitted other than those shown on plan.
3' drains to be placed at 10'-0" centers in wings and abutment
just above ground line.
All material and workmanship as per specifications of Louisiana
All exposed corners to be chamfered 1" ^{Highway Commission}
If piles are used, footing is deepened 9" as shown by dotted
lines on the drawings, the number kind and amount of
reinforcing steel to remain unchanged.

STANDARD
20 FT. R.C. ABUTMENT
LOUISIANA HIGHWAY COMMISSION
BATON ROUGE LA
Scale 1"=10' Date Nov. 1923
APPROVE [Signature]
STATE HIGHWAY ENGINEER