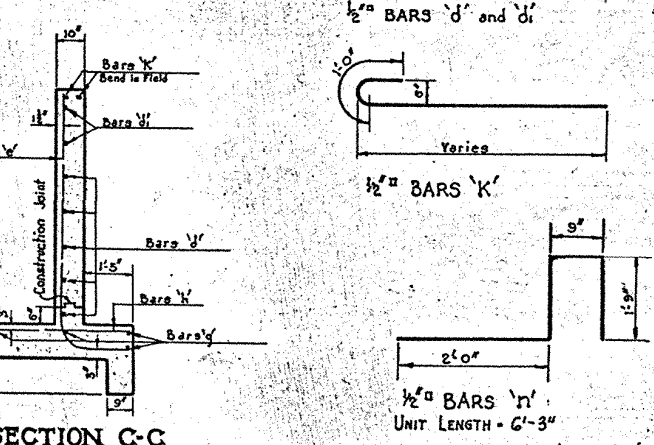
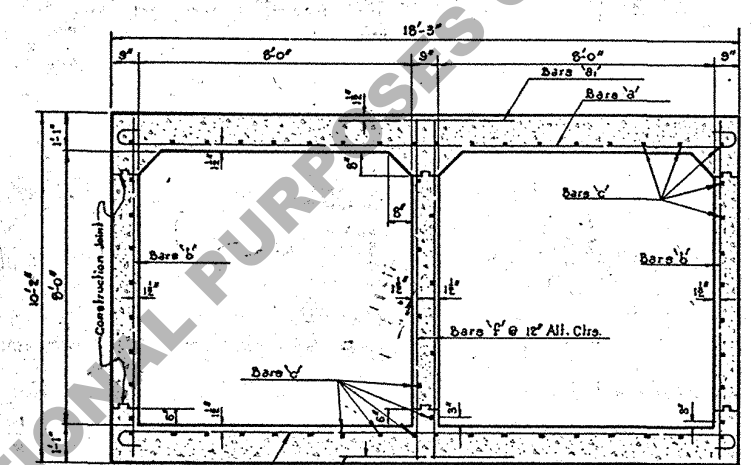
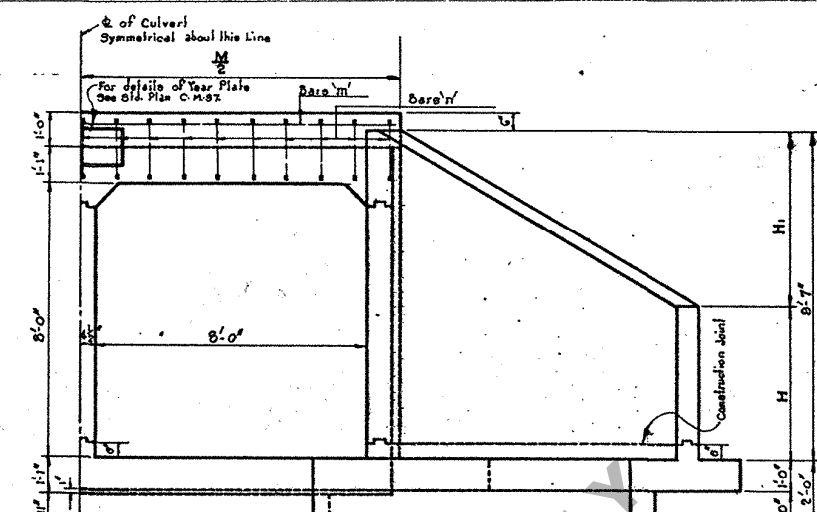
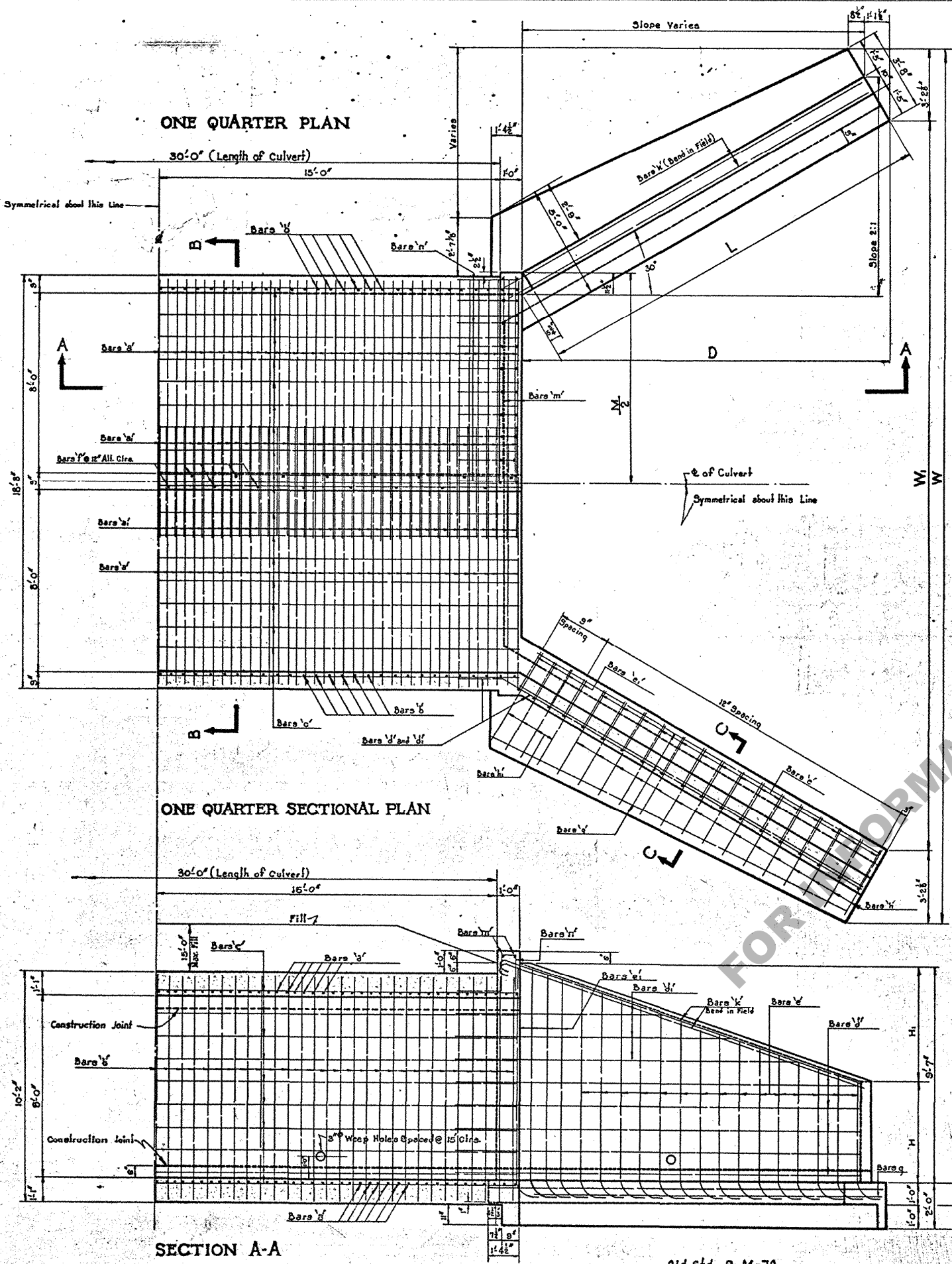




DIMENSIONS							
Slope	D	H	H ₁	L	M	W	W ₁
3:1	16'-1 7/8"	4'-5 1/2"	5'-1 1/2"	17'-10"	18'-8"	38'-5 3/4"	32'-1 1/2"
4:1	18'-6"	5'-1 5/8"	4'-5 3/8"	20'-5 1/2"	18'-8"	41'-2 1/4"	34'-10 1/8"

BILL OF REINFORCING STEEL FOR 30'-0" STRUCTURE											
SLOPE			3:1				4:1				
Mark	Size	Spacing	Number	Short Bar	Variation	Long Bar	Total Length	Number	Short Bar	Variation	Long Bar
a	3/4"	5"	154			19'-7"	3015'-10"	154			19'-7"
b	"	5"	154			5'-0"	770'-0"	154			5'-0"
c	3/4"	7"	110			9'-11"	1090'-10"	110			9'-11"
d	"	12"	20			20'-0"	400'-0"	20			20'-0"
e	"	12"	4 each	6'-9 1/2"	0'-5 1/2"	10'-10 1/2"	530'-0"	4 each	7'-5"	2'-5 1/2"	10'-11"
f	"	9"	4 each	11'-3"	0'-2 1/2"	11'-10 1/2"	180'-0"	4 each	11'-1"	2"	11'-9"
g	1 1/2"	12"	60			31'-9"	1905'-0"	60			31'-9"
h	"	12"	20			20'-0"	400'-0"	20			20'-0"
i	"	12"	4 each	10'-8"	3'-5"	17'-6"	163'-0"	4 each	9'-3"	4'-6"	22'-9"
j	"	12"	32			9'-11"	317'-4"	32			9'-11"
k	"	12"	16			17'-6"	280'-0"	16			20'-0"
l	"	12"	4 each	3'-5"	0'-0 3/4"	4'-3 1/2"	231'-3"	4 each	3'-5"	0'-1 3/4"	4'-5"
m	"	9"	4 each	4'-7"	0'-0 3/4"	4'-8 1/2"	74'-4"	4 each	4'-6"	0'-1 1/2"	4'-8"
n	"	6"	8			19'-6"	156'-0"	8			22'-3"
o	"	8"	4			18'-3"	73'-8"	4			18'-5"
p	"	12"	38			6'-3"	237'-6"	38			6'-3"
Total 1/2" Bars			3854	1"			Weight = 3276 Lbs.	4110	6"		3494
Total 3/4" Bars			1805	10"			Weight = 1883 "	1942	6"		2026
Total 1" Bars			3785	10"			Weight = 5686 "	3785	10"		5686
Total Wt. Rein. Steel							10,845 Lbs.				11,206

QUANTITIES					
ITEMS	UNIT	3:1 SLOPE		4:1 SLOPE	
		FOR 30 FOOT STRUCTURE	PER FOOT OF BARREL	FOR 30 FOOT STRUCTURE	PER FOOT OF BARREL
Concrete	Cu.Yds.	100.75	2.1641	105.95	2.1641
Reinforcing Steel	Pounds	10,845	272.13	11,206	272.13

GENERAL NOTES

Const. Specs: Latest approved La. Hwy. Dept. Std. Specs.

Design Specs: La. Hwy. Comm. 1929.

Assumed Live Load - 2 Typical 15-Ton Trucks.

Concrete to be class A throughout.

All reinforcing steel shall be considered as deformed bars.

Square twisted bars not to be considered as deformed.

Where splicing of bars is necessary they shall be lapped 40 diameters.

All exposed corners to be chamfered 3/4".

Place about One (1) Cu. Ft. of large size gravel or loose rock behind and around each weep hole.

STANDARD PLAN
DOUBLE 8'X8' R.C. BOX CULVERT
SLOPES 3:1 AND 4:1
Maximum Fill 15 ft.

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DESIGNED BY: *[Signature]*
CHECKED BY: *[Signature]*
DATE: *[Date]*

TRACED BY: *[Signature]*
CHECKED BY: *[Signature]*
DATE: *[Date]*

IN CHARGE OF: *[Signature]*
REVISIONS: *[Signature]*

CC-74-15