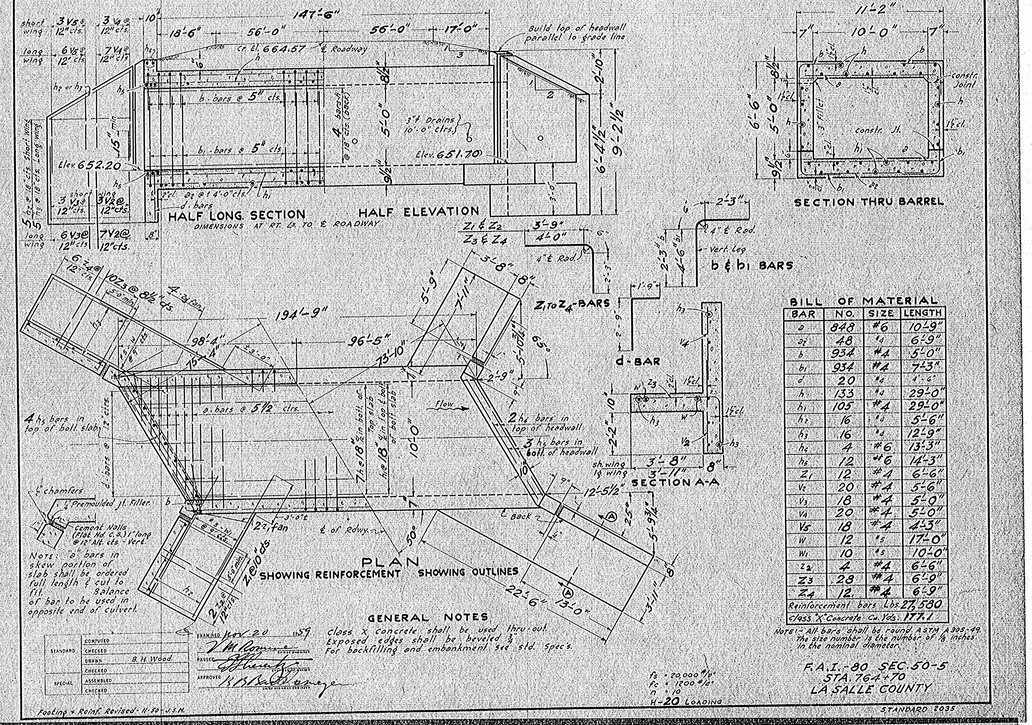
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	50-5	LA SALLE	229	44



BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH
a	848	#6	10'-9"
a1	48	#4	6'-9"
b	934	#4	5'-0"
b1	934	#4	7'-3"
d	20	#4	4'-6"
h	133	#4	29'-0"
h1	105	#4	29'-0"
h2	16	#4	5'-6"
h3	16	#4	12'-9"
h4	4	#6	13'-3"
h5	12	#6	14'-3"
Z1	12	#4	6'-6"
V1	20	#4	5'-6"
V2	18	#4	2'-0"
V3	20	#4	5'-0"
V4	18	#4	1'-3"
W	12	#4	17'-0"
W1	10	#4	10'-0"
Z2	4	#4	6'-6"
Z3	23	#4	6'-9"
Z4	12	#4	6'-9"
Reinforcement bars Lbs.			27,580
Class 'X' Concrete Cu. Yds.			177.1

Note - All bars shall be round ASTM A305-49. The size number is the number of 1/8 inches in the nominal diameter.

STANDARD	COMPUTED	
	CHECKED	
	DRAWN	R. H. Wood
	CHECKED	
SPECIAL	ASSEMBLED	
	CHECKED	

STANDARD Nov 20 1959
PASSED Chief Engineer
APPROVED Director of Public Works & Buildings

GENERAL NOTES
Class X concrete shall be used thru-out. Exposed edges shall be beveled 3/4". For backfilling & embankment see std. specs.

f_s = 20,000 #/□"
f_c = 1,200 #/□"
n = 15
H-20 LOADING

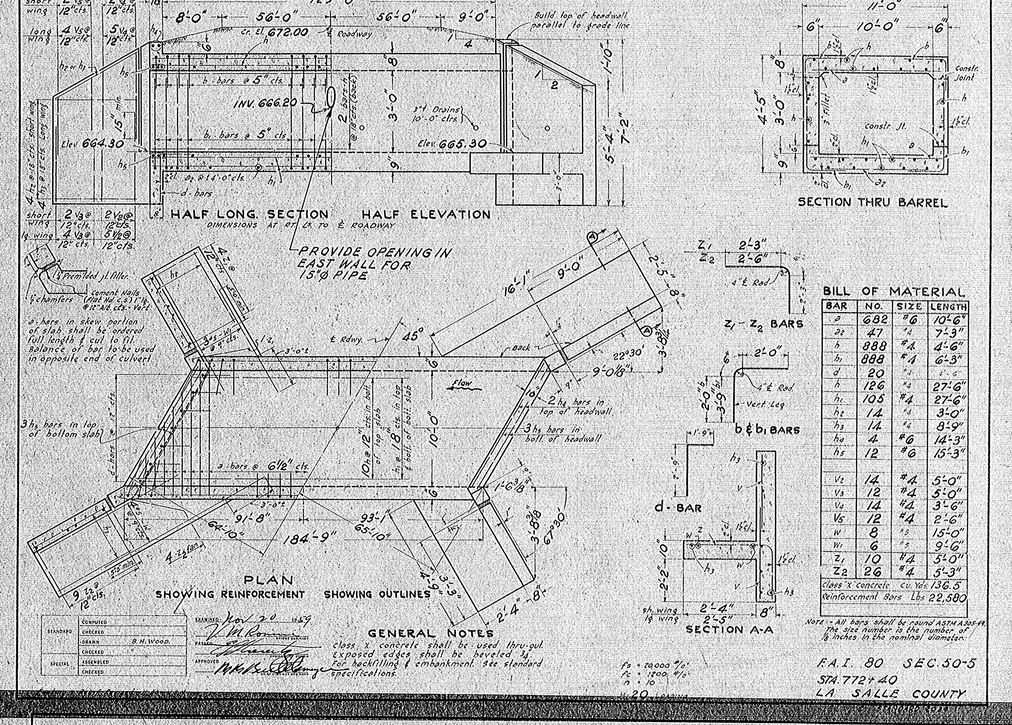
F.A.I. 80 SEC. 50-5
STA. 764+70
LA SALLE COUNTY

Footing & Reinf. Revised - 11-19-59 J.S.M.

STANDARD 2035

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	50-5	LA SALLE	229	45



BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH
a	682	#6	10'-6"
a1	47	#4	7'-3"
b	888	#4	4'-6"
b1	888	#4	6'-3"
d	20	#4	4'-6"
h	126	#4	27'-6"
h1	105	#4	27'-6"
h2	14	#4	3'-0"
h3	14	#4	8'-9"
h4	4	#6	14'-3"
h5	12	#6	15'-3"
V1	14	#4	5'-0"
V3	12	#4	5'-0"
V4	14	#4	3'-6"
V5	12	#4	2'-6"
W	8	#4	15'-0"
W1	6	#4	9'-6"
Z1	10	#4	5'-0"
Z2	26	#4	5'-3"
Class 'X' Concrete Cu. Yds.			136.5
Reinforcement bars Lbs.			22,580

Note - All bars shall be round ASTM A305-49. The size number is the number of 1/8 inches in the nominal diameter.

STANDARD	COMPUTED	
	CHECKED	
	DRAWN	R. H. WOOD
	CHECKED	
SPECIAL	ASSEMBLED	
	CHECKED	

STANDARD Nov 20 1959
PASSED Chief Engineer
APPROVED Director of Public Works & Buildings

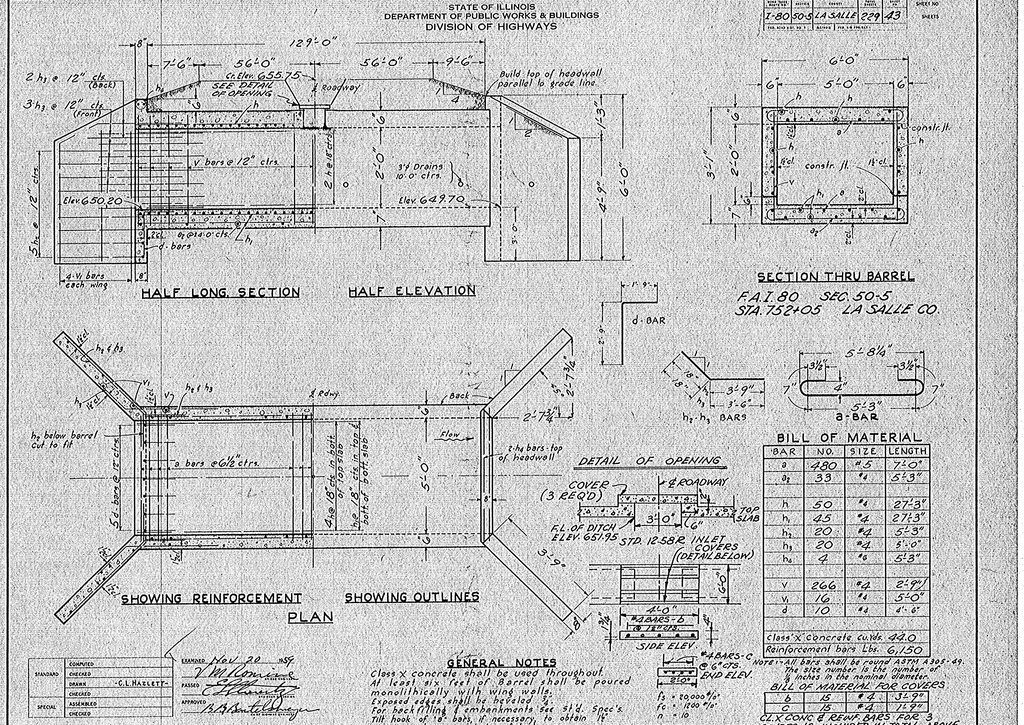
GENERAL NOTES
Class X concrete shall be used thru-out. Exposed edges shall be beveled 3/4". For backfilling & embankment see standard specifications.

f_s = 20,000 #/□"
f_c = 1,200 #/□"
n = 15
H-20 LOADING

F.A.I. 80 SEC. 50-5
STA. 772+40
LA SALLE COUNTY

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	50-5	LA SALLE	229	43



BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH
a	480	#5	7'-0"
a1	33	#4	5'-3"
h	50	#4	27'-3"
h1	45	#4	27'-3"
h2	20	#4	5'-3"
h3	20	#4	5'-0"
h4	4	#6	5'-3"
V	266	#4	2'-9"
V1	16	#4	5'-0"
d	10	#4	4'-6"
Class 'X' Concrete Cu. Yds.			44.0
Reinforcement bars Lbs.			6,150

Note - All bars shall be round ASTM A305-49. The size number is the number of 1/8 inches in the nominal diameter.

BILL OF MATERIAL FOR COVERS

b	15	#4	3'-9"
c	15	#4	4'-0"

CLASS 'X' CONC. & REINF. BARS FOR 3 COVERS IS INCLUDED IN TOTAL ABOVE

STANDARD	COMPUTED	
	CHECKED	
	DRAWN	C.L. HALLETT
	CHECKED	
SPECIAL	ASSEMBLED	
	CHECKED	

STANDARD Nov 20 1959
PASSED Chief Engineer
APPROVED Director of Public Works & Buildings

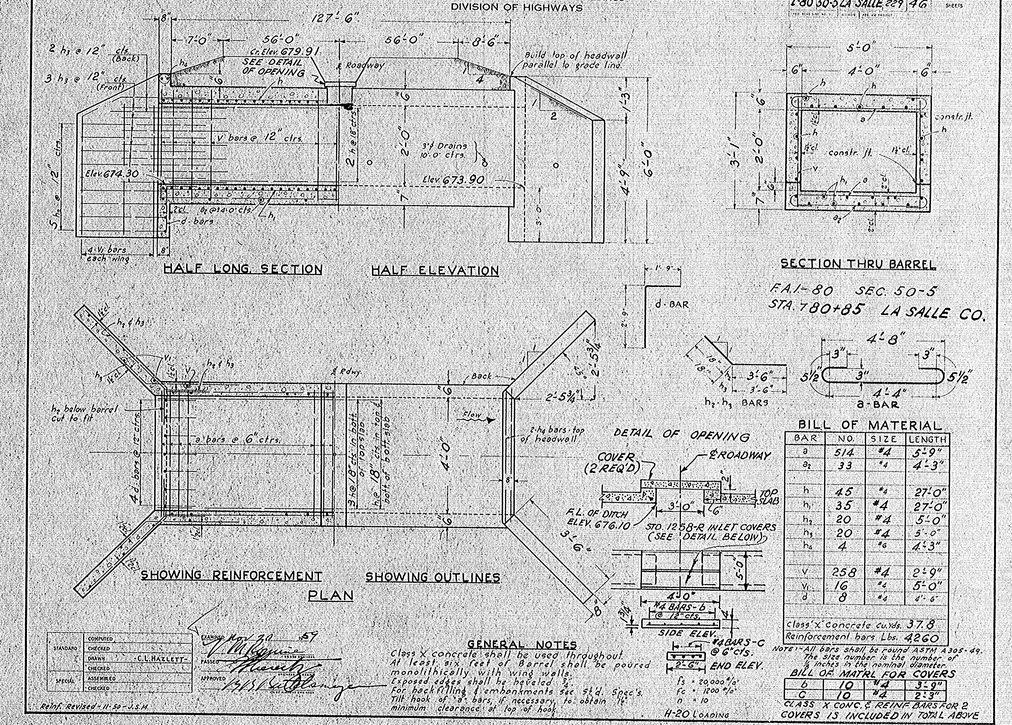
GENERAL NOTES
Class X concrete shall be used throughout. All least six feet of Barrel shall be poured monolithically with wing walls. Exposed edges shall be beveled 3/4". For back filling & embankments see std. Spec's. Tilt hook of "h" bars, if necessary, to obtain 1½" minimum clearance at top of hook.

f_s = 20,000 #/□"
f_c = 1,200 #/□"
n = 10
H-20 LOADING

Reinf. Revised - 11-19-59 J.S.M.

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	50-5	LA SALLE	229	46



BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH
a	514	#4	5'-9"
a1	33	#4	4'-3"
h	45	#4	27'-0"
h1	35	#4	27'-0"
h2	20	#4	5'-0"
h3	20	#4	5'-0"
h4	4	#6	4'-3"
V	258	#4	2'-9"
V1	16	#4	5'-0"
d	8	#4	4'-6"
Class 'X' Concrete Cu. Yds.			37.8
Reinforcement bars Lbs.			4260

Note - All bars shall be round ASTM A305-49. The size number is the number of 1/8 inches in the nominal diameter.

BILL OF MATRL FOR COVERS

b	10	#4	3'-9"
c	10	#4	2'-9"

CLASS 'X' CONC. & REINF. BARS FOR 2 COVERS IS INCLUDED IN TOTAL ABOVE

STANDARD	COMPUTED	
	CHECKED	
	DRAWN	C.L. HALLETT
	CHECKED	
SPECIAL	ASSEMBLED	
	CHECKED	

STANDARD Nov 20 1959
PASSED Chief Engineer
APPROVED Director of Public Works & Buildings

GENERAL NOTES
Class X concrete shall be used throughout. All least six feet of Barrel shall be poured monolithically with wing walls. Exposed edges shall be beveled 3/4". For back filling & embankments see std. Spec's. Tilt hook of "h" bars, if necessary, to obtain 1½" minimum clearance at top of hook.

f_s = 20,000 #/□"
f_c = 1,200 #/□"
n = 10
H-20 LOADING

Reinf. Revised - 11-19-59 J.S.M.