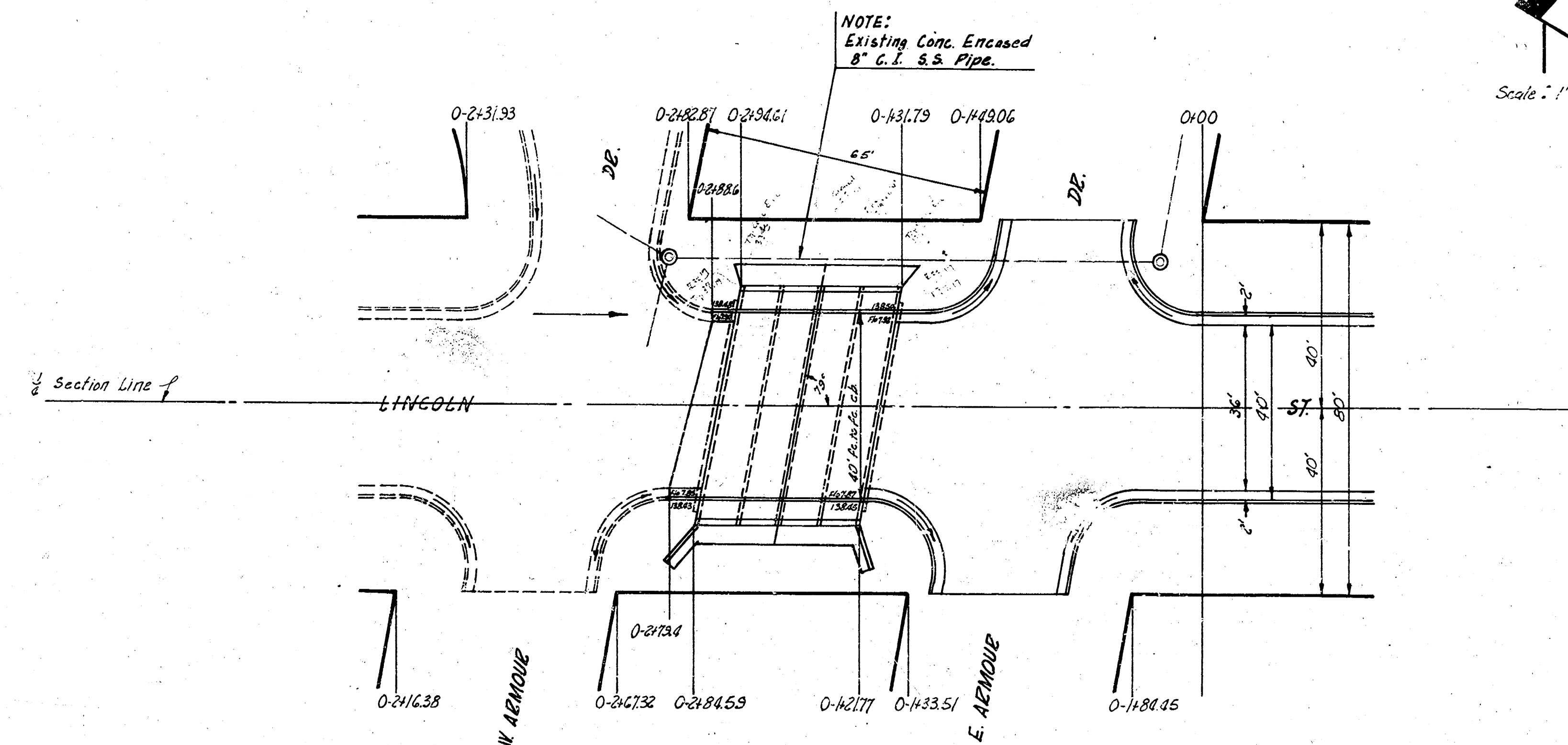
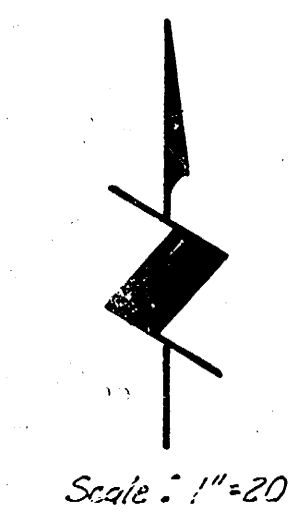


B.M. 13378 Top of ch. S.S. of Storm Sewer Headwall 5' East of East curb West
Armour Drive 433' N. of N. Radius W. Armour Drive & Lincoln.

4-8' x 4' R.C.B. LINCOLN ST. & ARMOUR DR.

PROJ. NO. C15-35

NOTE:
Existing Conc. Encased
8" C.I. S.S. Pipe.

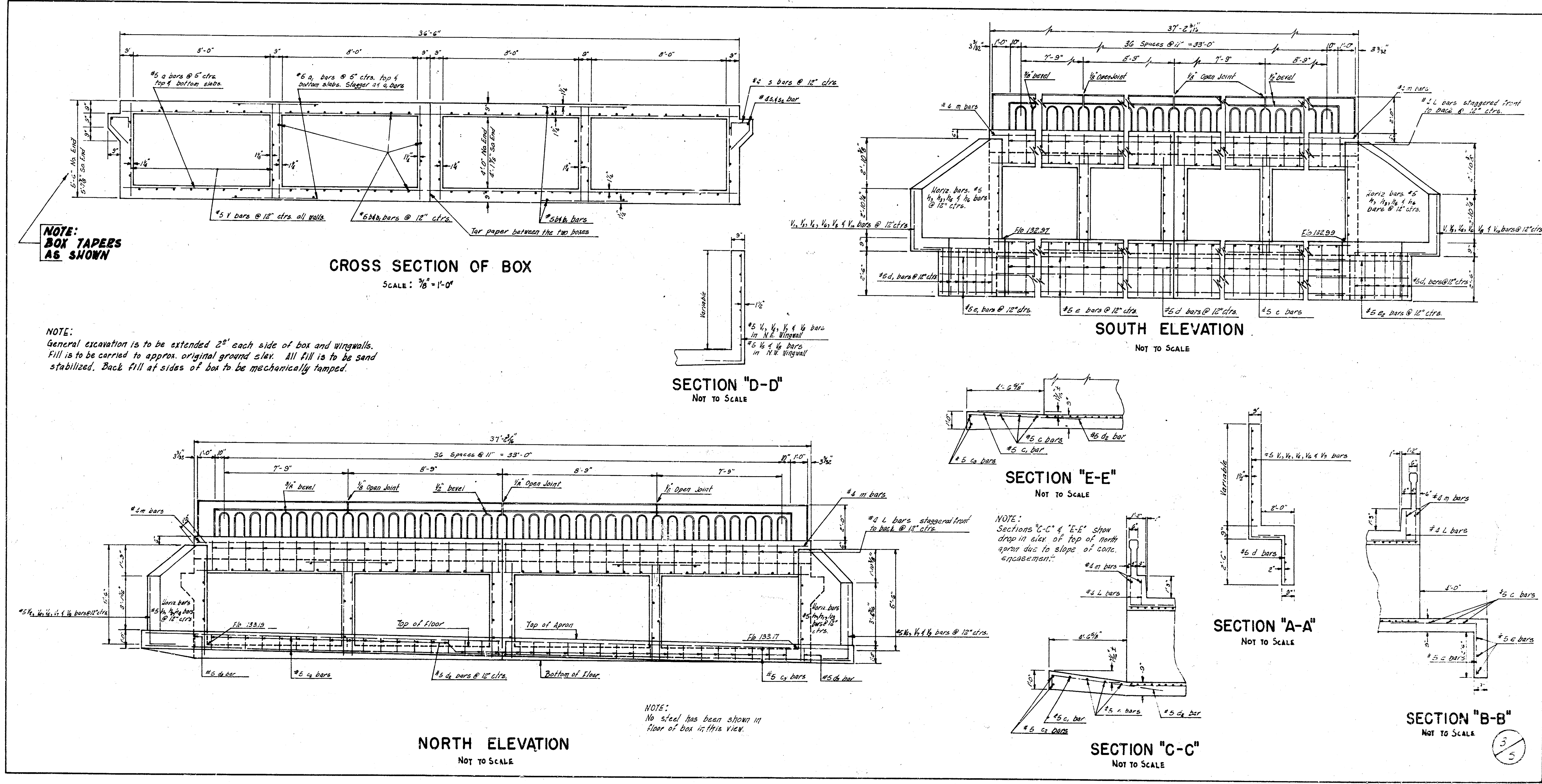


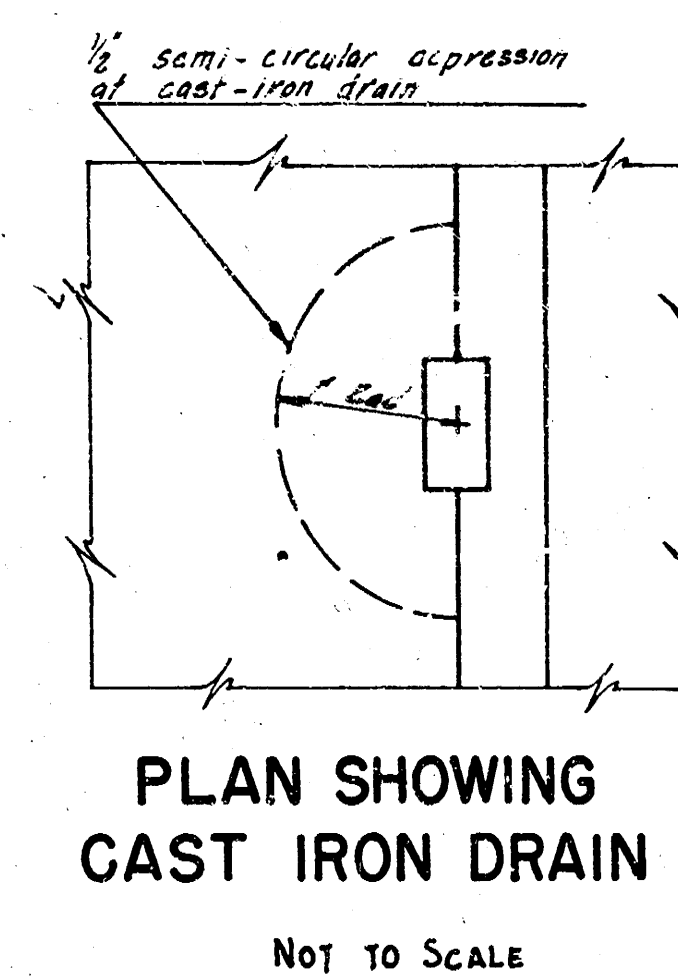
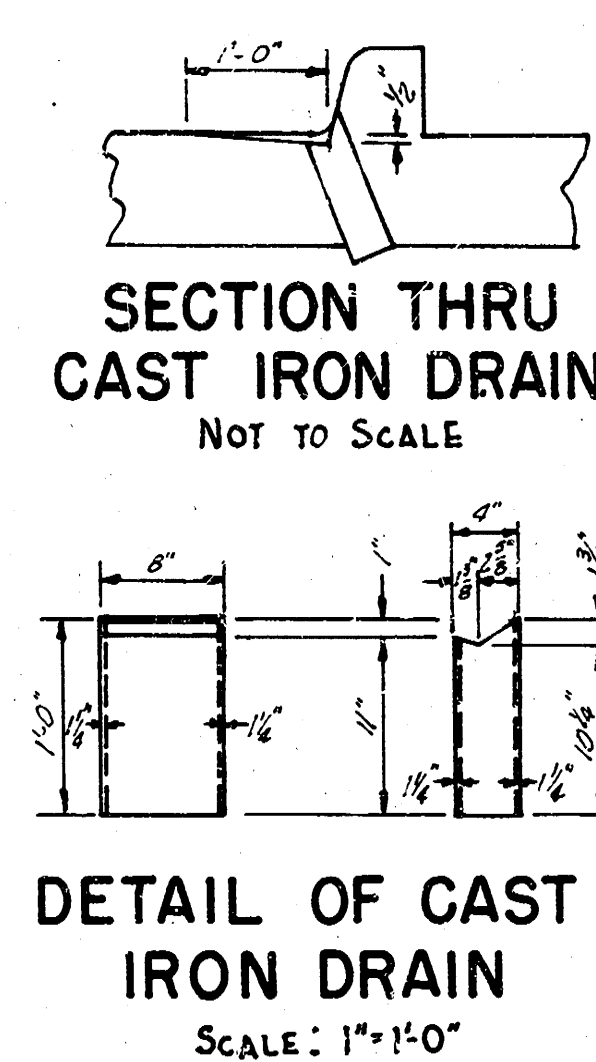
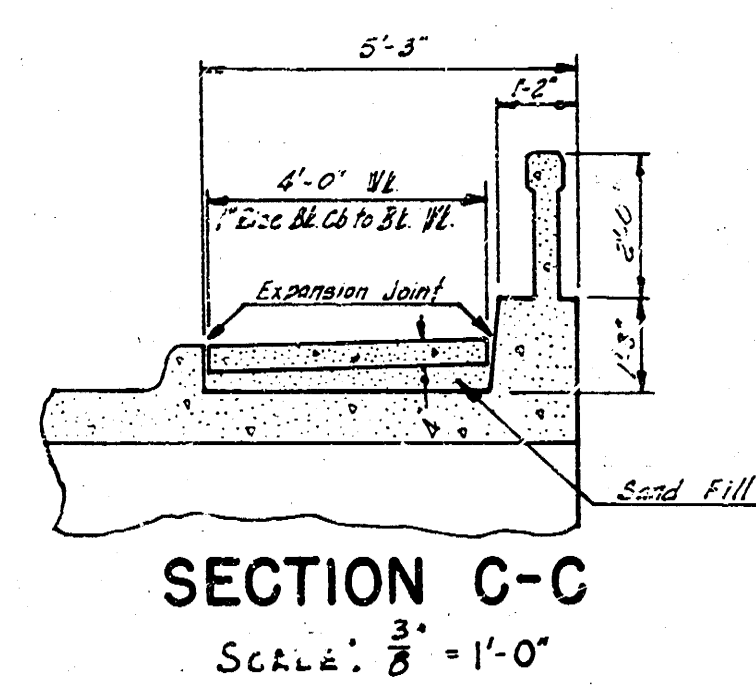
PLAN LAYOUT
SCALE: 1"=20'

Survey 4/2/55 B.E. SMITH
Plan 4/2/55
Exc 4/2/55
Checked



REINF. CONC. BOX CULVERT
& BOX APPROX. STA 0+08.19
LINCOLN ST. & ARMOUR DR.
CITY OF VICHITA, KANS.
B.E. SMITH CITY ENGINEER
JUNE, 1955 PROJ. NO. C15-35





STEEL SCHEDULE									
BAR	SIZE	NO.	LENGTH	SHAPE	BAR	SIZE	NO.	LENGTH	SHAPE
a	#5	19.0	18'-3"	—	b ₁	#4	6	15'-0"	—
a	"	19.0	8'-6"	—	b	#4	7.5	18'-0"	—
b	"	3.6	3'-0"	—	c	"	8	18'-0"	—
c	"	3.6	12'-8"	—	d	"	8.0	8'-0"	—
e	"	1.0	18'-4"	—	f	"	8	8'-0"	—
g	"	2	20'-0"	—	g	"	8	8'-0"	—
h	"	2	20'-0"	—	h	"	9.0	8'-0"	—
i	"	2	21'-0"	—	i	"	2	25'-0"	—
j	"	3.0	8'-6"	—	j ₁	#4	2	22'-0"	—
k	"	1.0	21'-8"	—	k	#6	8.0	5'-0"	—
l	"	3.6	6'-0"	—	l	"	8	5'-0"	—
m	"	2	8'-8"	—	m	"	1	5'-0"	—
n	"	2	17'-4"	—	n	"	4	6'-0"	—
o	"	3	8'-8"	—	o	"	6	6'-0"	—
p	#5	2	8'-8"	—	p	"	6	6'-0"	—
q	#6	2.0	7'-0"	—	q	"	2	7'-0"	—
r	#6	4	8'-6"	—	r	"	6	7'-0"	—
s	"	1	5'-0"	—	s	"	3	7'-0"	—
t	"	1	5'-0"	—	t	"	3	7'-0"	—
u	"	6	7'-0"	—	u	"	4	8'-11"	—
v	#5	4	2'-8"	—	v	"	1	5'-0"	—
w	#6	2	10'-8"	—	w	"	2	5'-0"	—
					x	#5	2	9'-0"	—

BILL OF MATERIALS		
ITEM	QUANTITY	UNITS
Class 2" Concrete	179.1	Cu Yds
Excess Steel	22,044.0	Lbs
General Excavation	419.3	Cu Yds
40% Excavation	15.4	Cu Yds
Handwork	733	LIN. FT
6" Curb	744	LIN. FT
4" 90%	281.2	Sq Ft
Cast Iron Drains	8	Each
Sand (Strichland #11)	86.3	Tons

