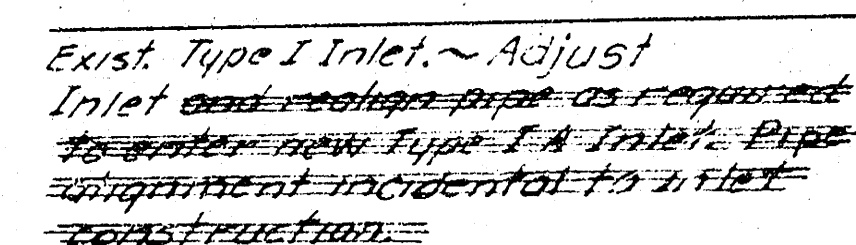


BASE LINE:
Sta. 0+85.1 to Sta. 2+87.1 to Sta. 1+00, Base Line is on
a tangent to & @ Sta. 1+00, RT.
Sta. 1+00, RT, to Sta. 2+46.06, PC, Base Line is on d.
Sta. 2+46.06, PC, to Sta. 4+15.04 Base Line is on an arc 25.0' Rt. of d.
Sta. 4+15.04 to Sta. 3+42.5 Base Line is 25' Rt. of d.

Scale: $1'' = 20'$



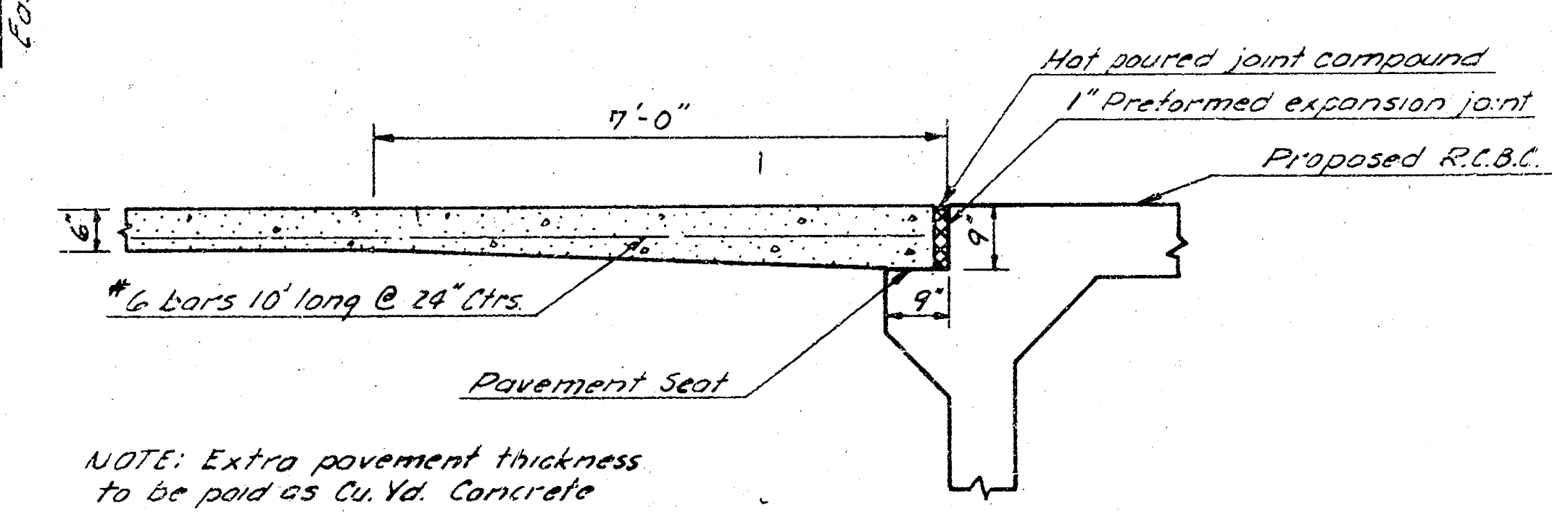
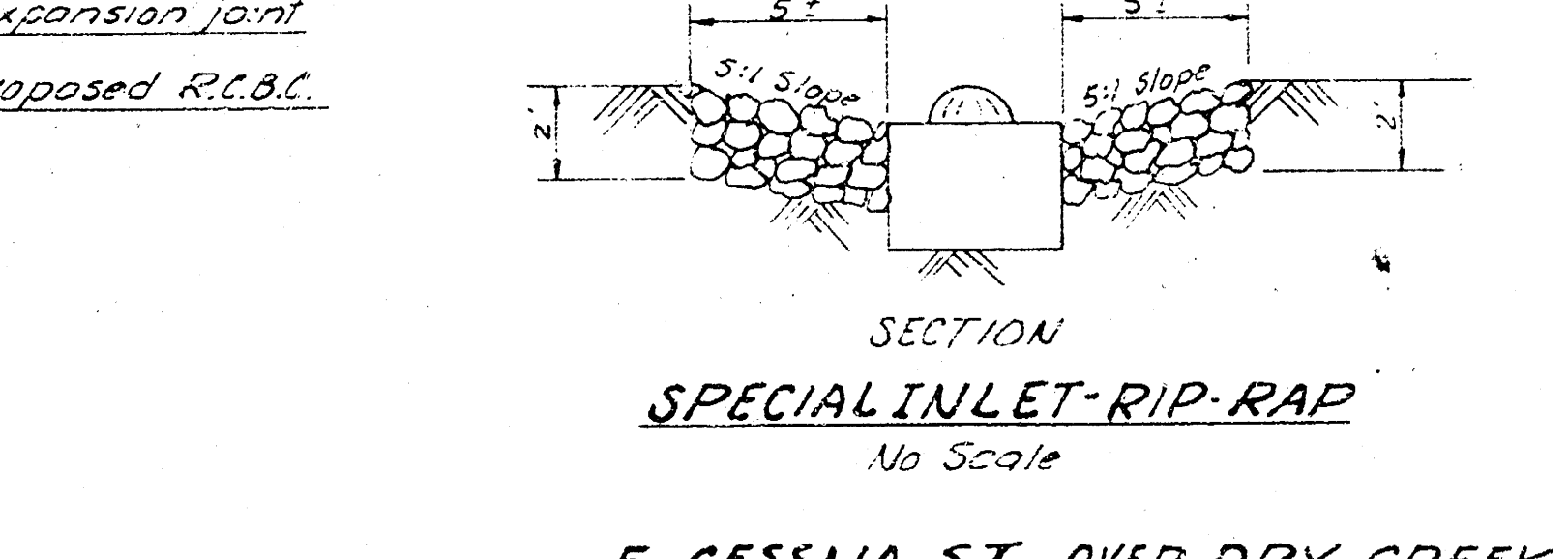
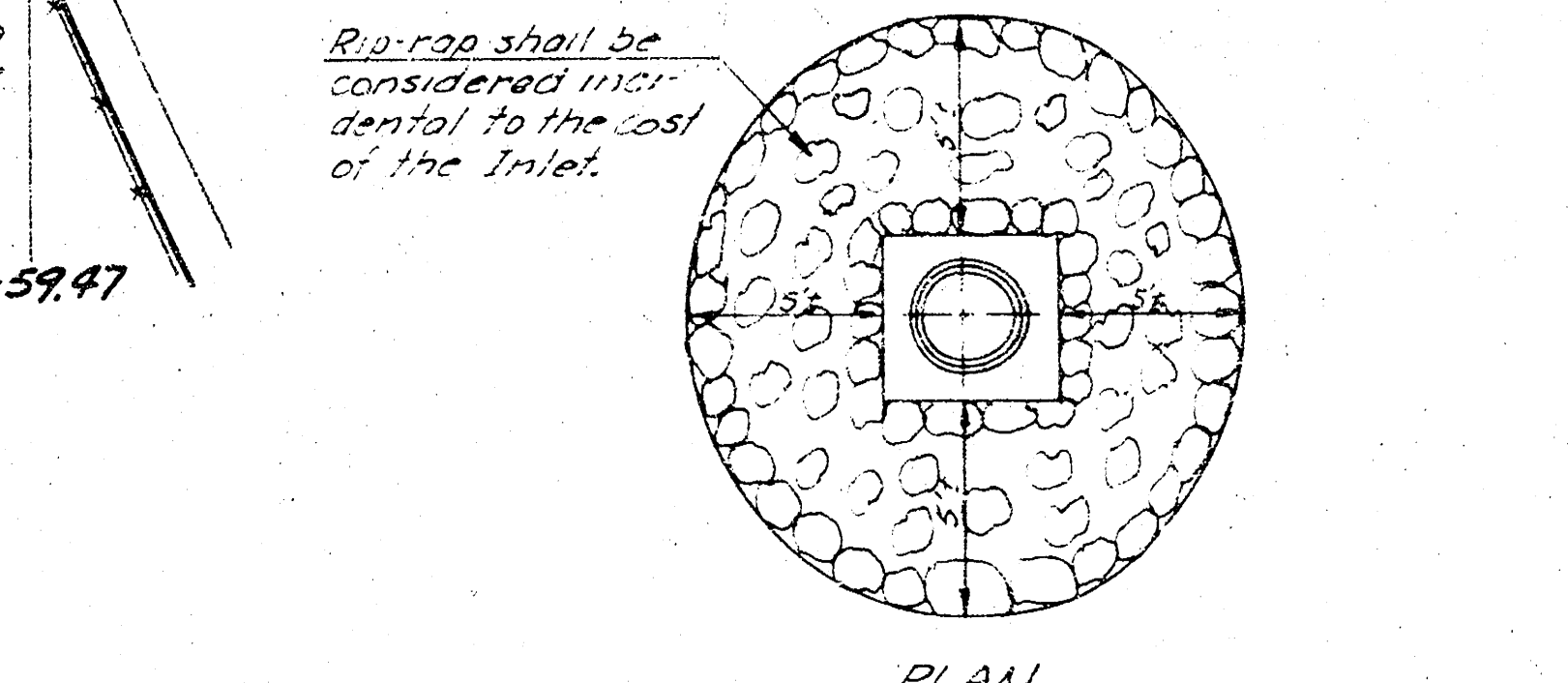
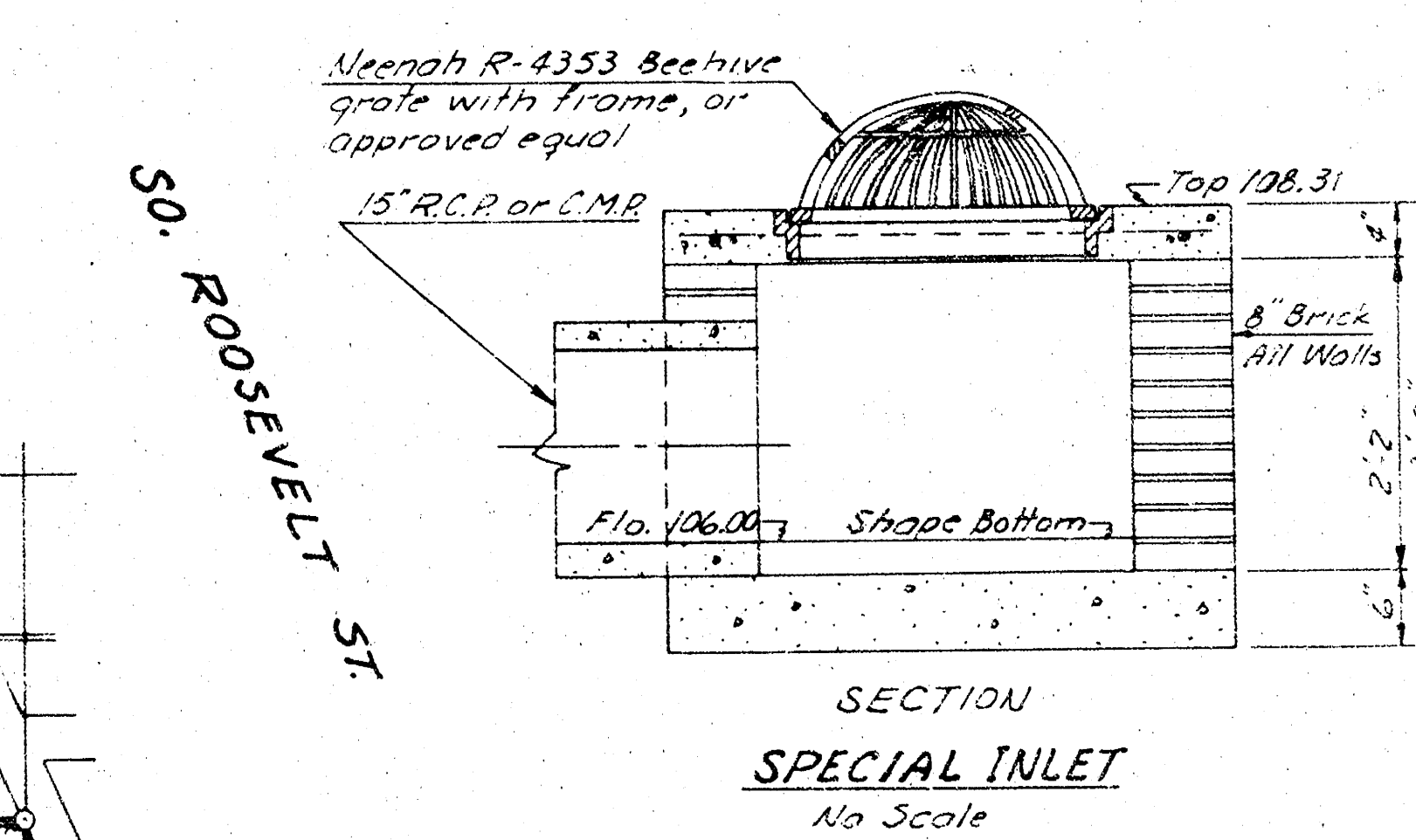
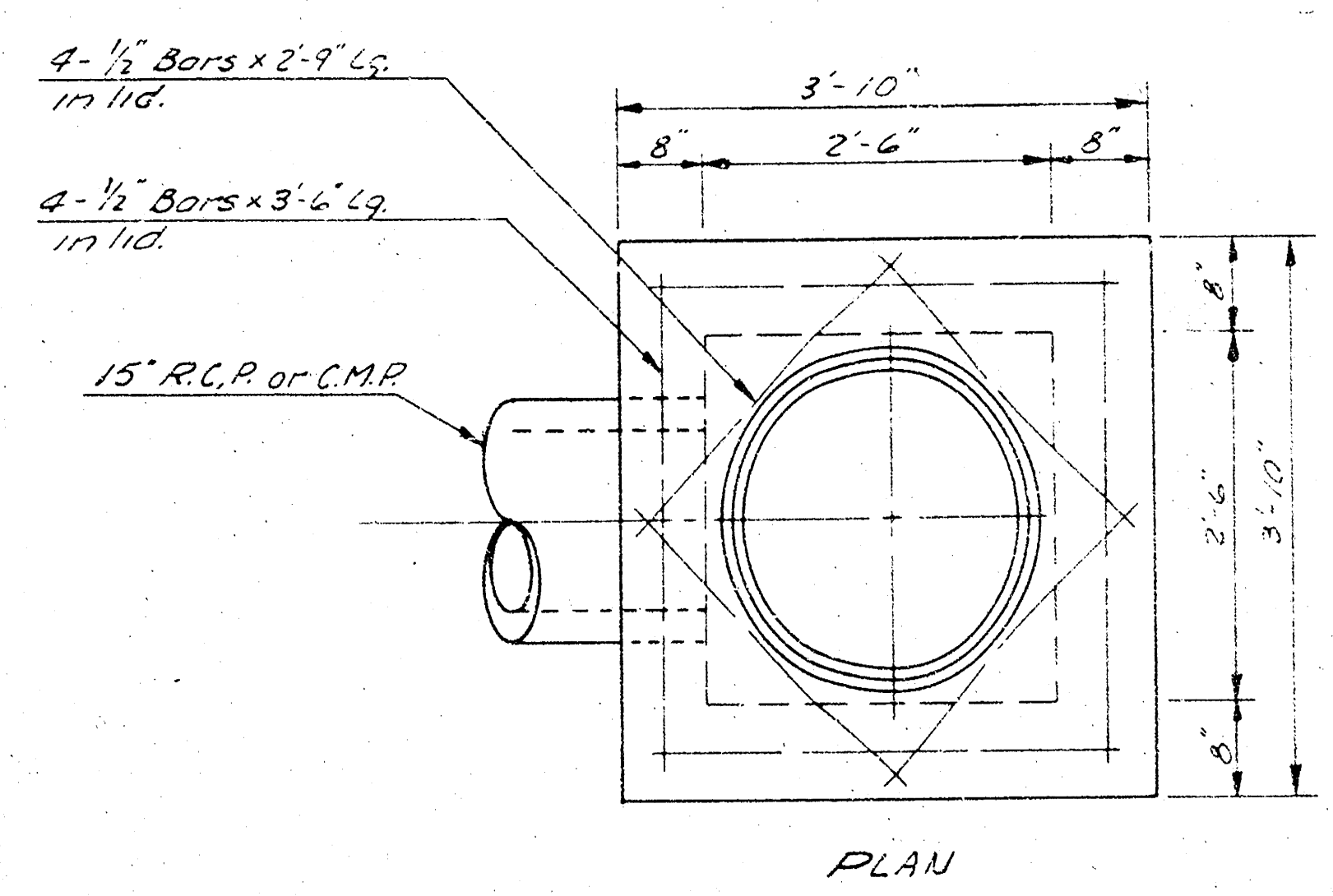
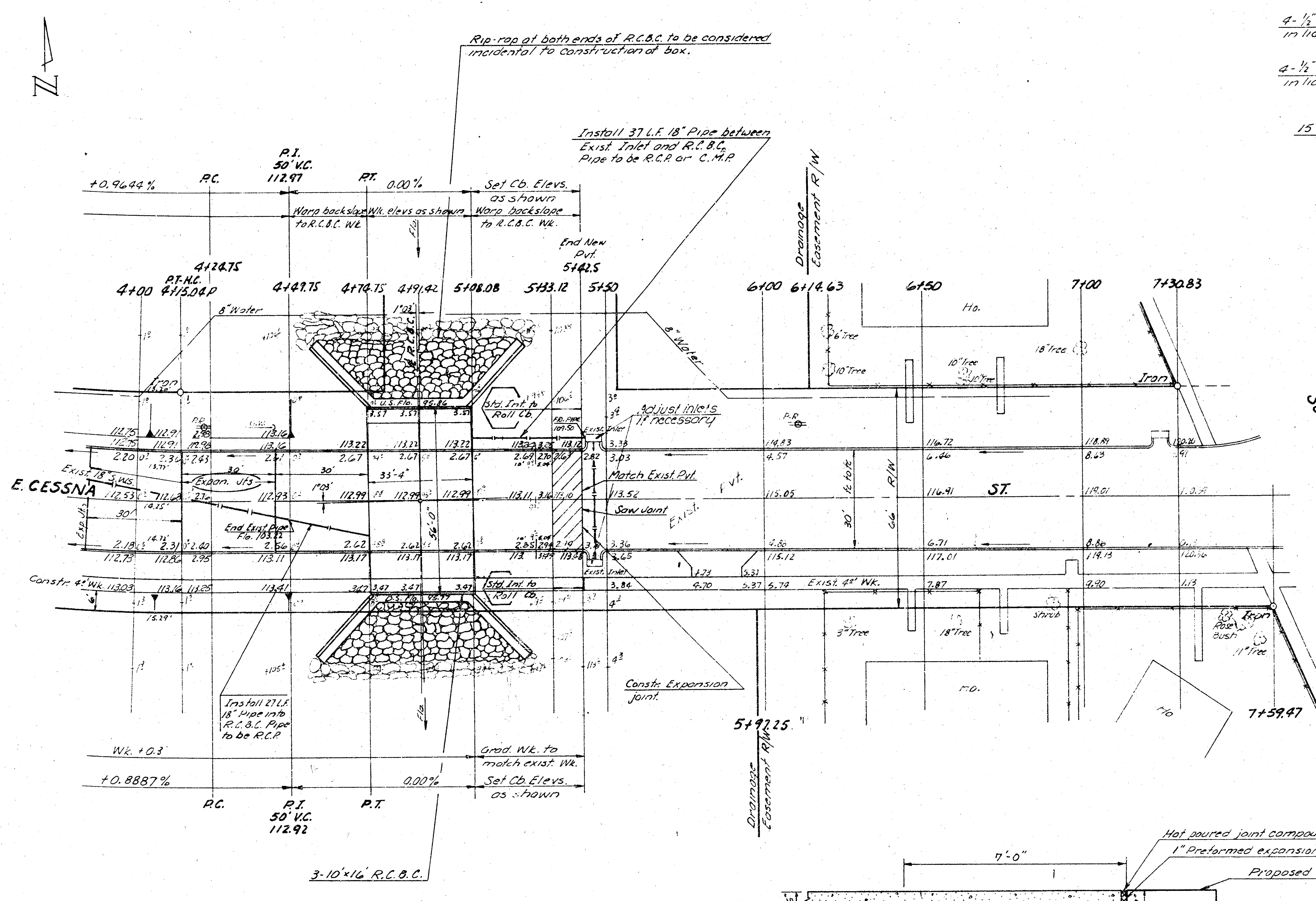
NOTE: Pvt. R/W and area of fill & excavation around R.C.B.C. shall be seeded, fertilized, and prairie hay mulched in accordance with City of Wichita Sanitary & Storm Sewer Specifications.

SUBGRADE
TYPE OF SUBGRADE: FILLING SHALL BE
TERMINATED BY A 10% FILLING OF BEDROCK
TREATMENT. THE FILLING SHALL BE A
CEMENT PORTLAND CEMENT MIXTURE OF 1:2
RATIO. OR ANY EQUIVALENT MIXTURE.

Total Manipulation = 1519 S.Y.

$\Delta = 20^\circ 23' \quad R = 475' \quad T = 85.44' \quad L = 160.98' \quad LC = 168.18'$ CURVE DATA BASED ON RAD. 25.0000 $\Delta = 10^\circ 11' 30''$					
STA	ARC	CHORD LENGTH		TOTAL	
		DEFLECTION	DEFLECTION	DEFLECTION	DEFLECTION
2+46.06			0°00'00"	0°00'00"	
2+75	28.74'	26.91'	28.81'	1°44'48"	1°44'48"
3+00	25.0'	22.41'	24.89'	3°53'28"	3°53'28"
3+25	25.0'	22.41'	24.89'	1°30'18"	4°25'40"
3+50	25.0'	22.41'	24.89'	1°30'18"	6°06'08"
3+75	25.0'	22.41'	24.89'	1°30'18"	7°42'36"
4+00	25.0'	22.47'	24.80'	1°30'28"	9°17'04"
4+15.06	15.04'	13.32'	14.98'		10°11'30"

E. CESSNA ST. $\frac{1}{4}$ 3-10'x16' R.C.B.C.
FROM 20' W. OF E.L. LOT 16,
BLOCK 4, PLANEVIEW SUBDIVISION
No. 1 TO W.L. LOT 2, BLOCK G,
PLANEVIEW SUBDIVISION No. 1,
OVER DRY CREEK
30' CONC. PVT. $\frac{1}{4}$ INTEGRAL CO.
CITY OF WICHITA, KANSAS
R.W. LINN CITY ENGINEER
DATE _____ PROJ. No. DAKS 577020



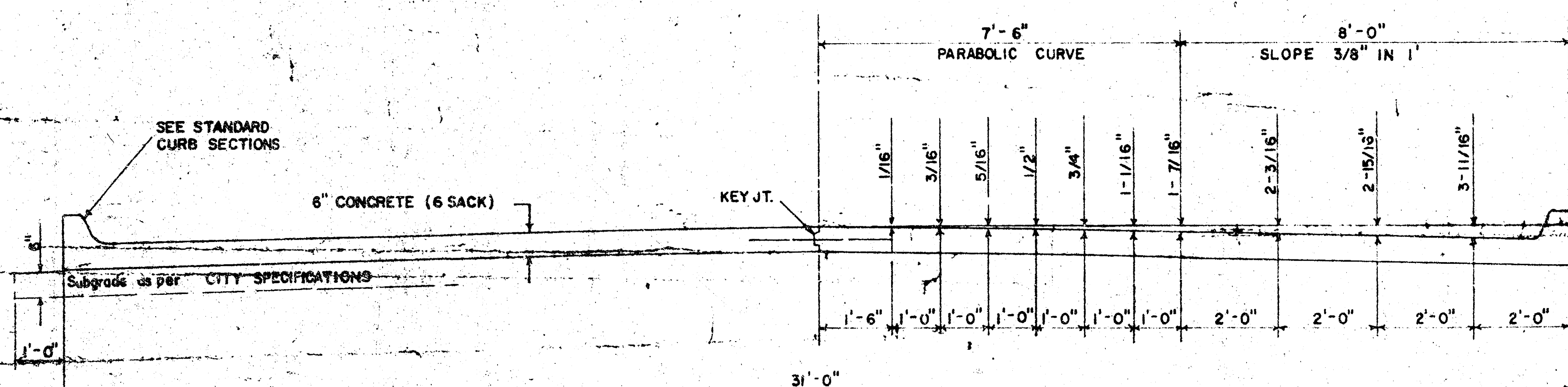
NOTE: Rip-rap or equivalent protection shall be placed up to 3'-0\"/>

NOTE: Extra pavement thickness to be paid as Cu. Yd. Concrete

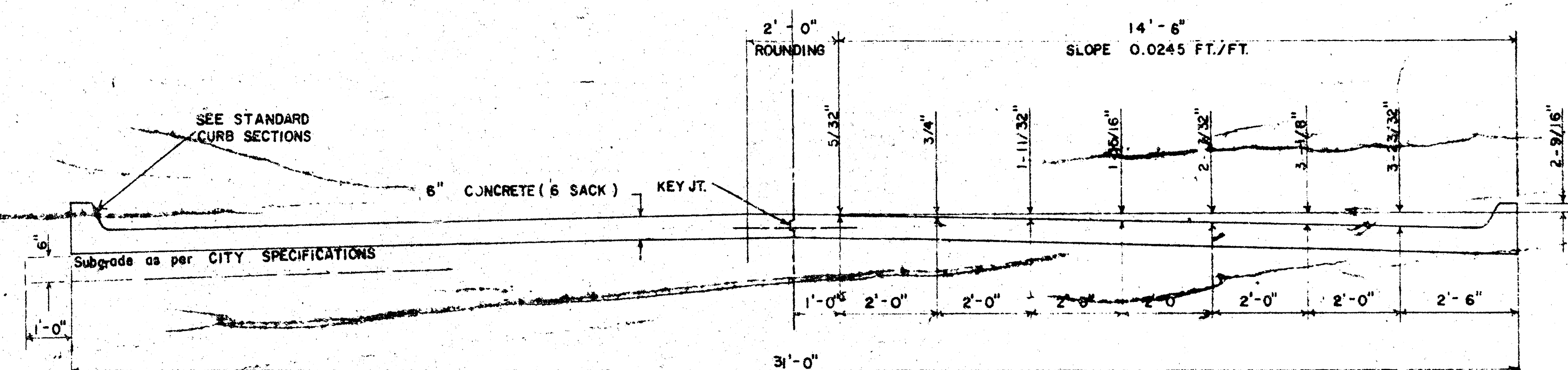
PAVEMENT DETAIL AT BRIDGE
No Scale

E. CESSNA ST.- OVER DRY CREEK
PROJ. NO. DAKS 577020

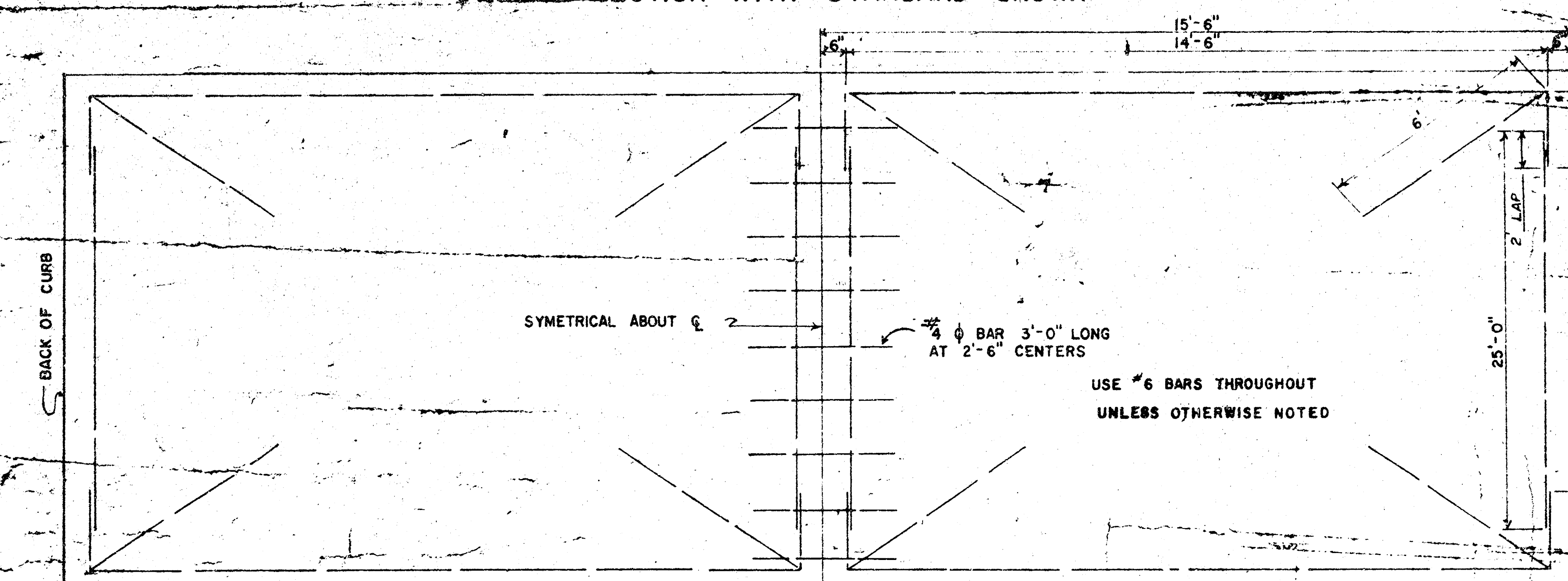
TYPICAL SECTIONS OF 30' CONCRETE PAVEMENT



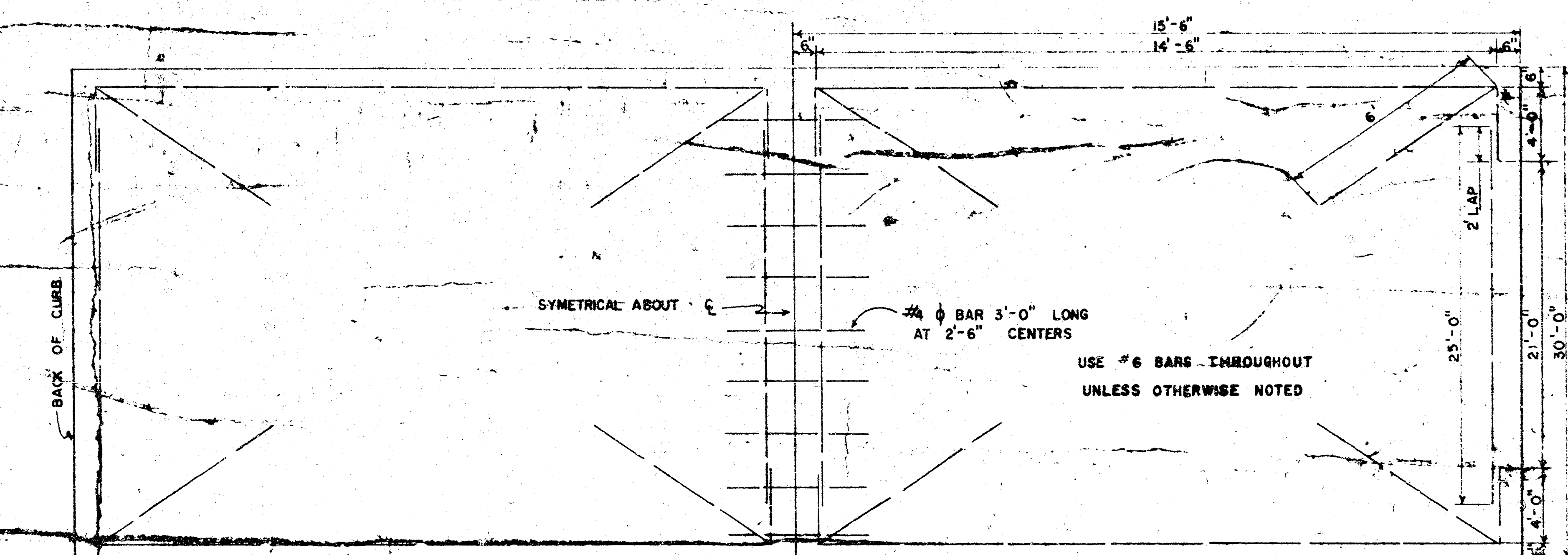
TYPICAL SECTION WITH STANDARD CROWN



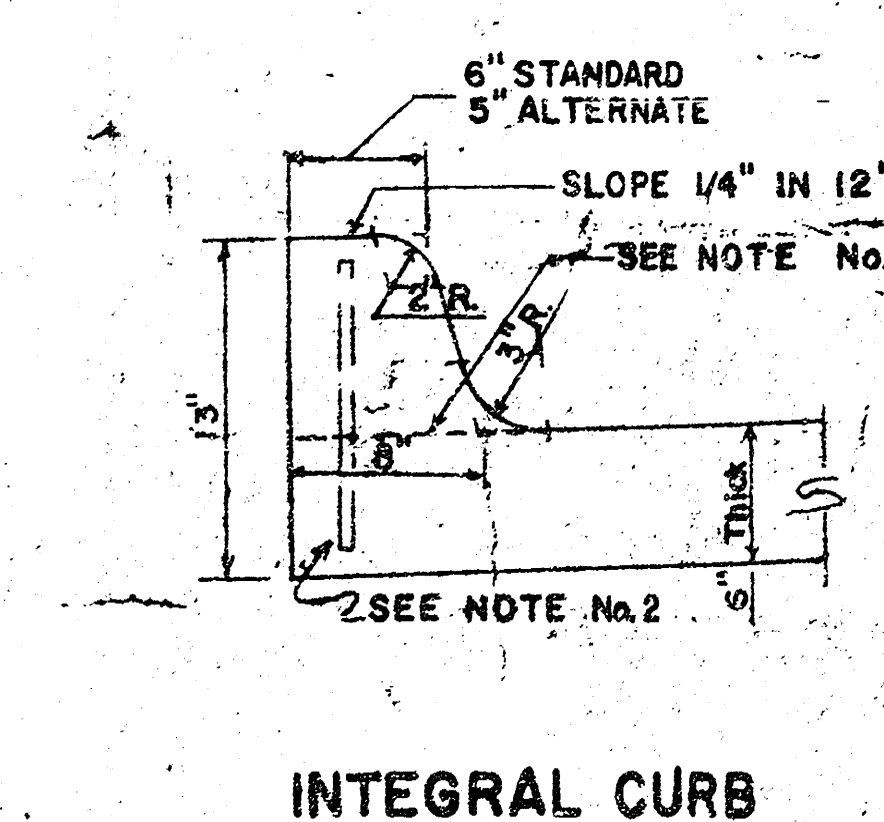
TYPICAL SECTION WITH ALTERNATE CROWN



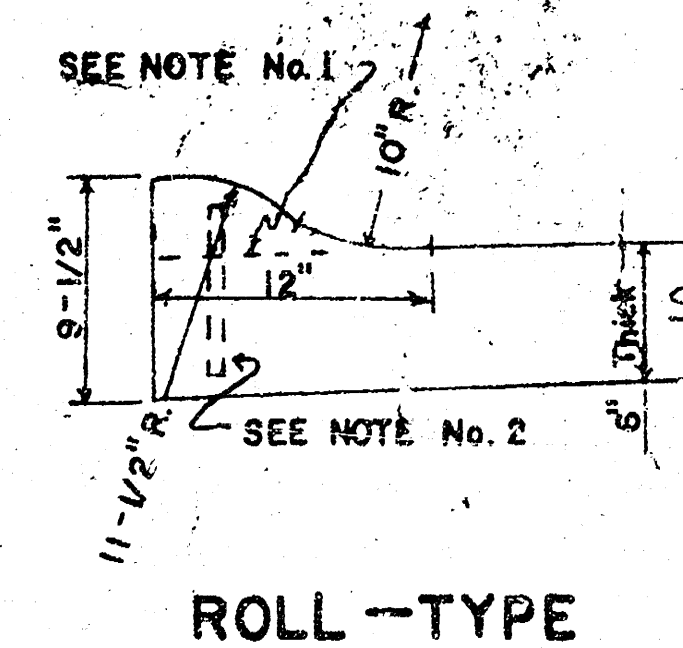
STEEL PATTERN



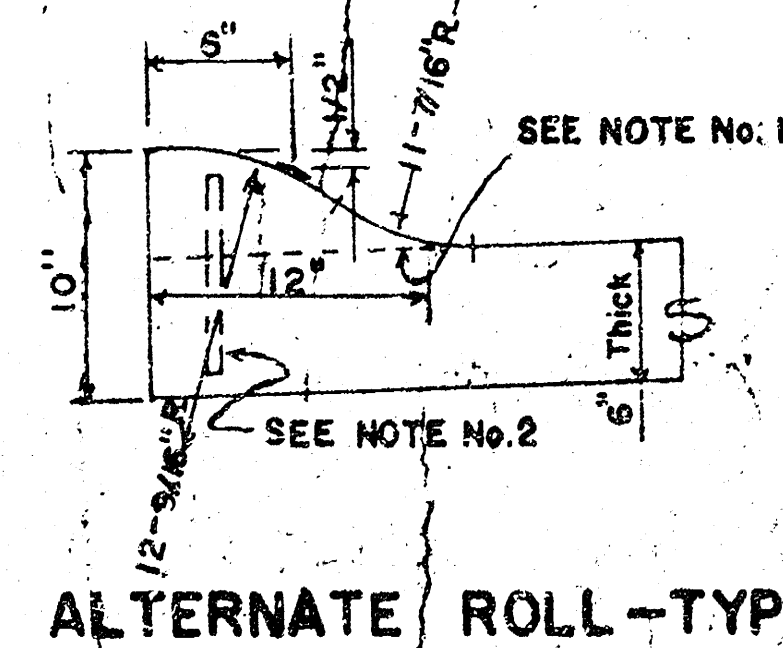
STEEL PATTERN



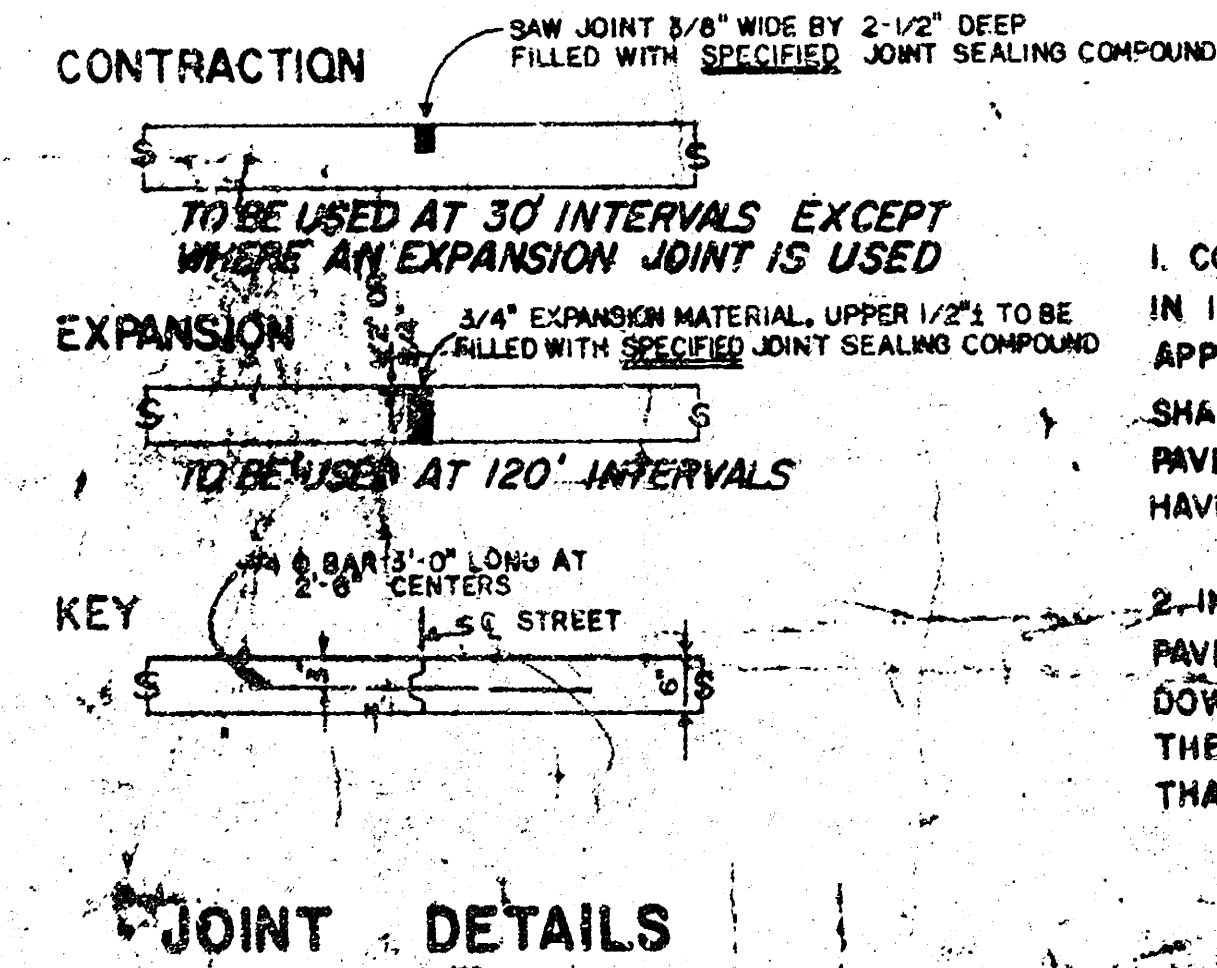
INTEGRAL CURB



ROLL-TYPE



ALTERNATE ROLL-TYPE



GENERAL NOTES

- CONTRACTION JOINTS MAY BE CONSTRUCTED IN INTEGRAL CURB BY SAWING WITH AN APPROVED CONCRETE SAW. THE SAW CUT SHALL EXTEND THROUGH THE CURB TO THE PAVEMENT. SAWED CONTRACTION JOINTS SHALL HAVE A MAXIMUM SPACING OF 10'.
- INTEGRAL CURB SHALL BE TIED TO THE PAVEMENT BASE WITH SHORT DEFORMED DOWEL BARS SPACED AT 2'-6" INTERVALS. THESE DOWEL BARS SHALL NOT BE LESS THAN 1/2" OR MORE THAN 3/4" IN DIAMETER.

E. CESSNA ST. OVER DRY CREEK

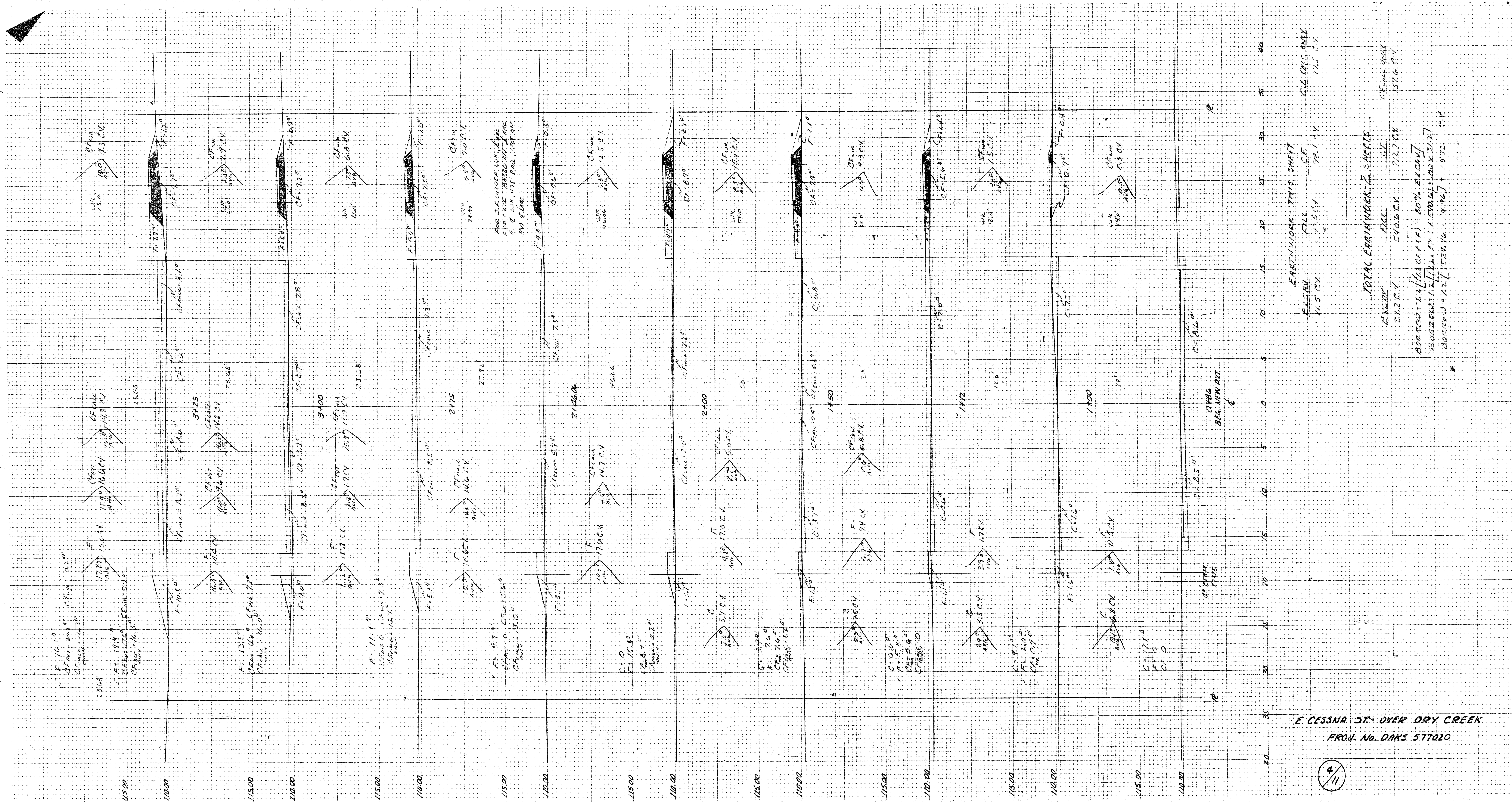
CITY OF WICHITA, KANSAS

Department of Public Works Engineering Division

R.W. Linn City Engineer

Date: June 1977 Project No. DAKS 577020

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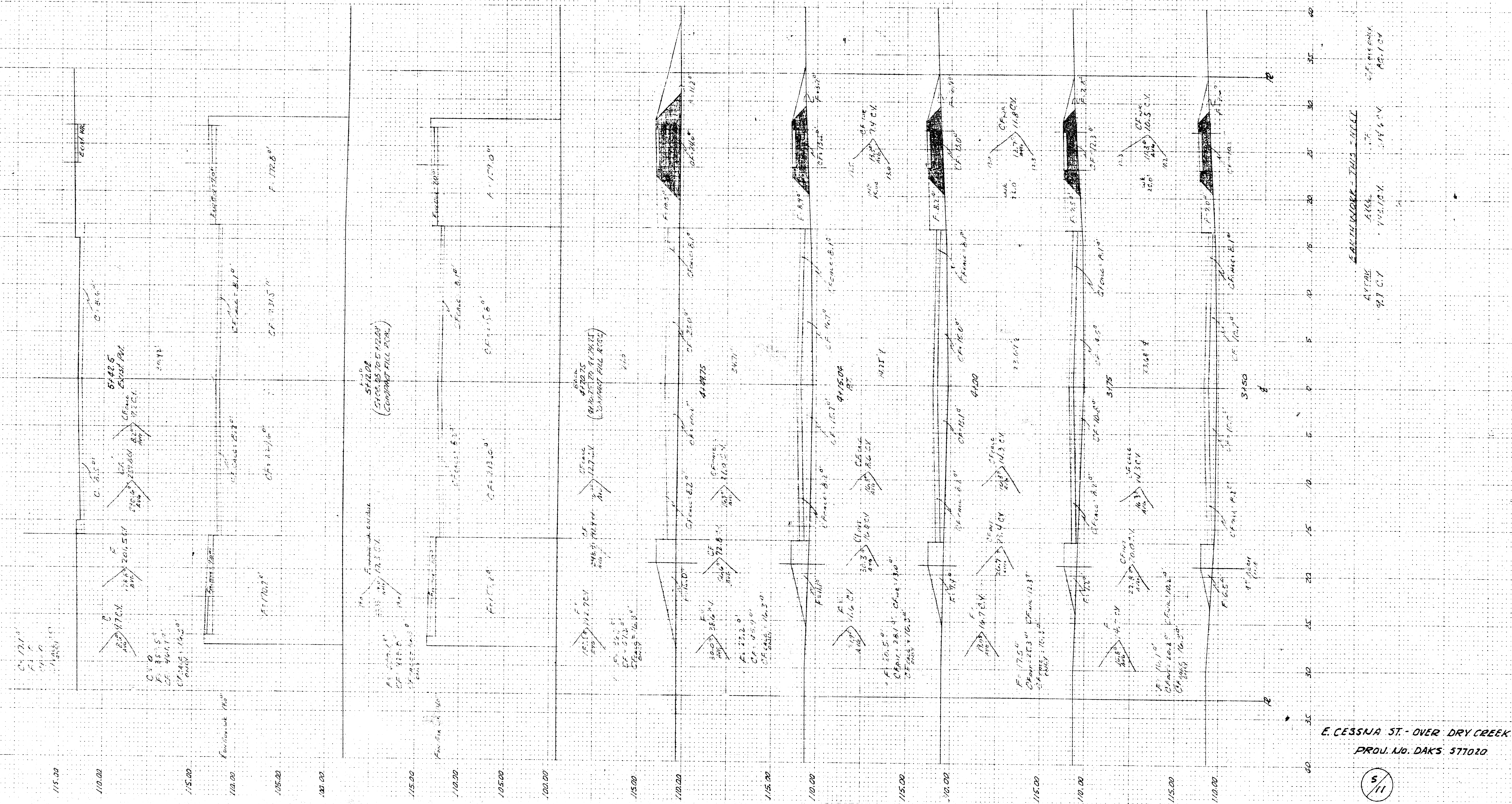


EARTHWORK - THIS SHEET

Station	Excavation	Fill	CF	CF	CF
11200	11200	11200	11200	11200	11200
11150	11150	11150	11150	11150	11150
11100	11100	11100	11100	11100	11100
11050	11050	11050	11050	11050	11050
11000	11000	11000	11000	11000	11000

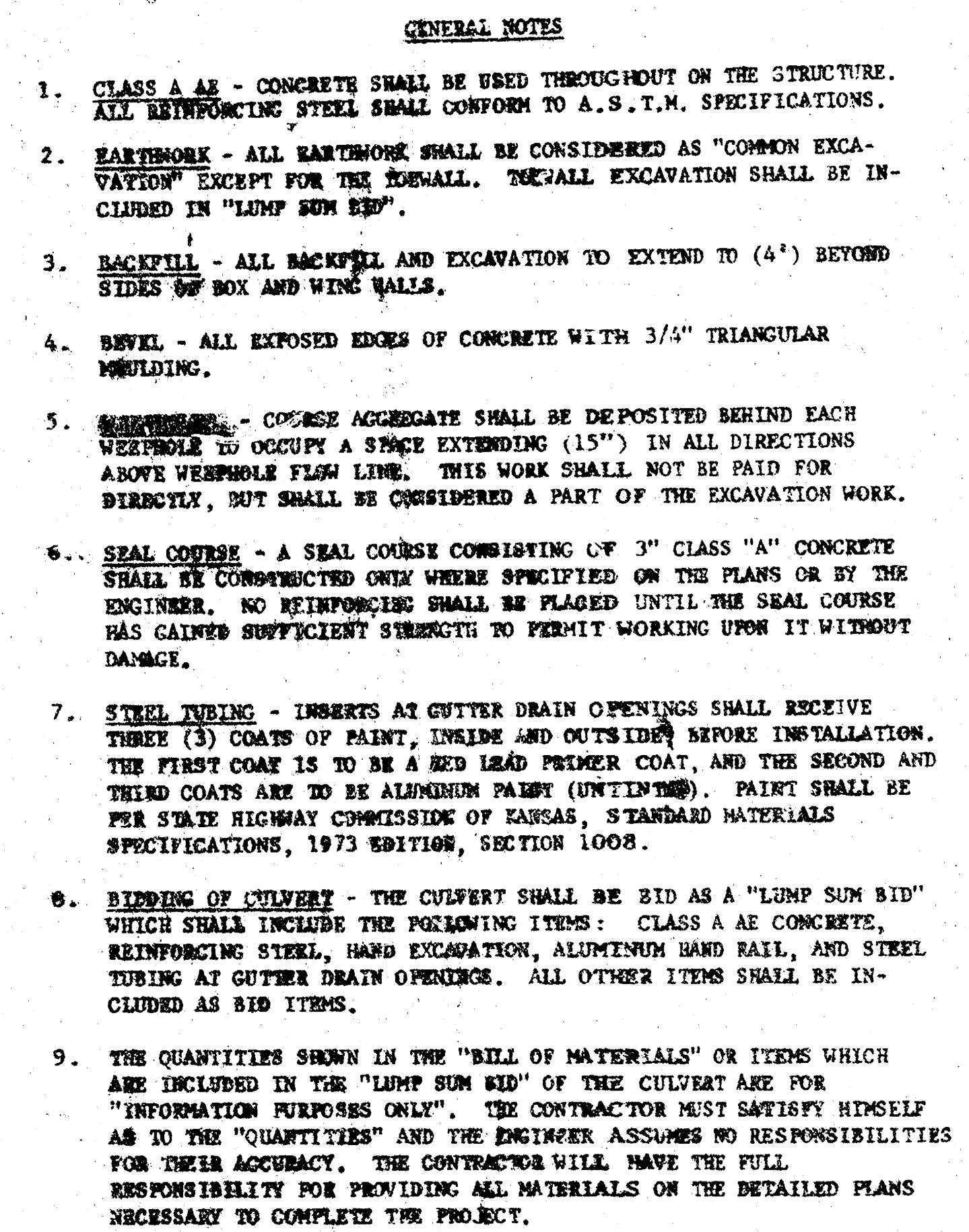
TOTAL EARTHWORK - THIS SHEET

Station	Excavation	Fill	CF	CF	CF
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11150	11150	11150	11150	11150	11150
11100	11100	11100	11100	11100	11100
11050	11050	11050	11050	11050	11050
11000	11000	11000	11000	11000	11000

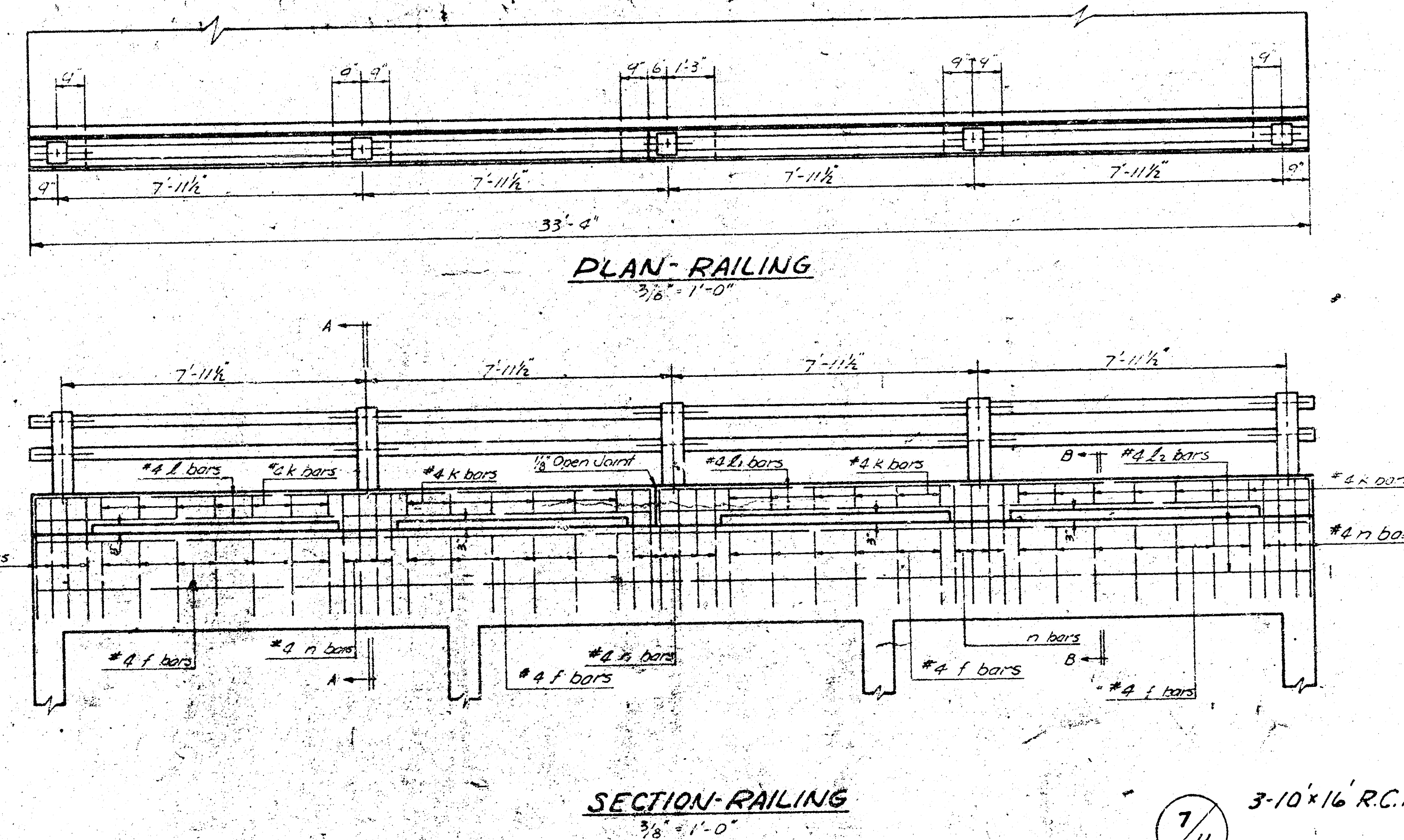
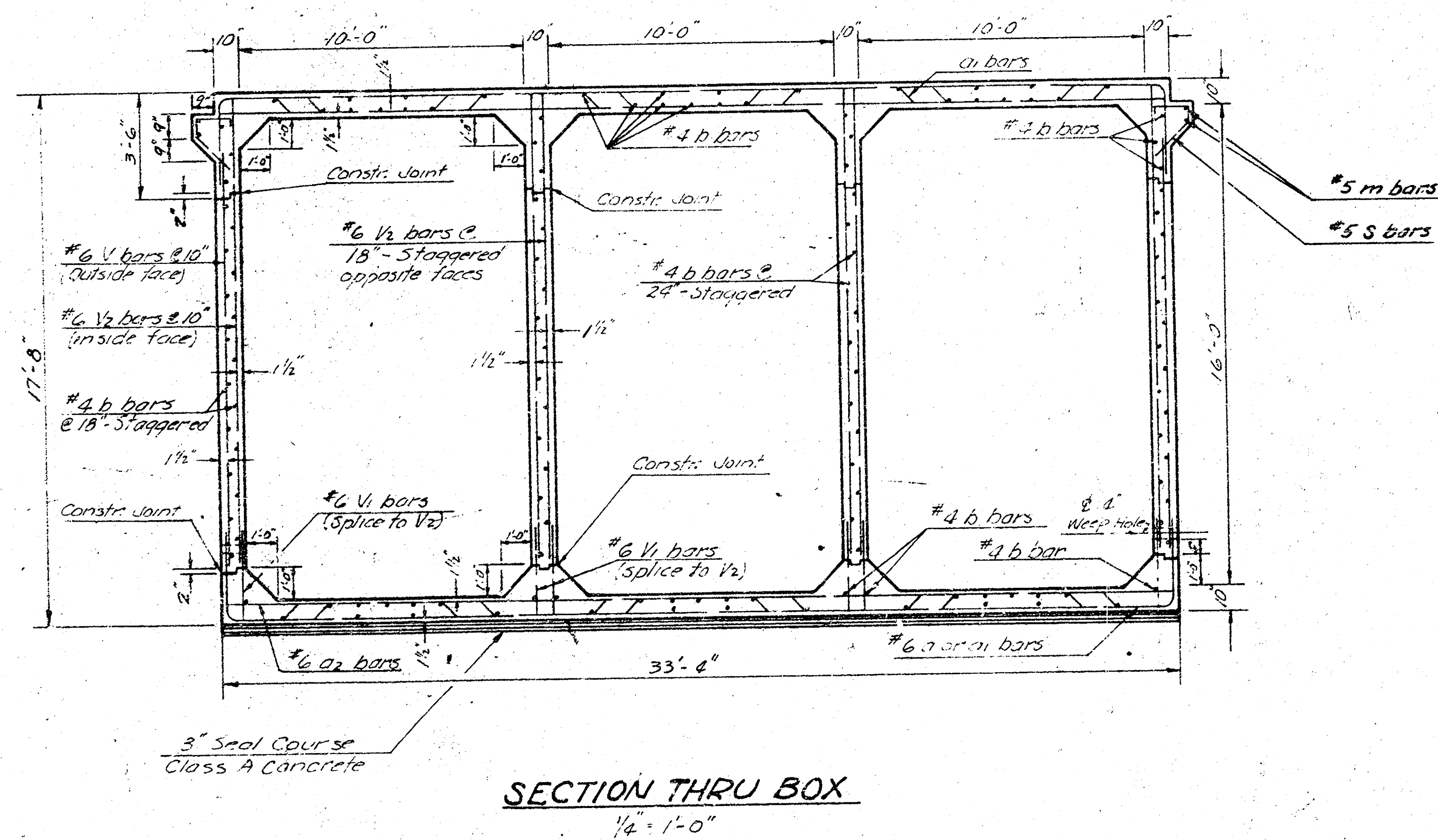
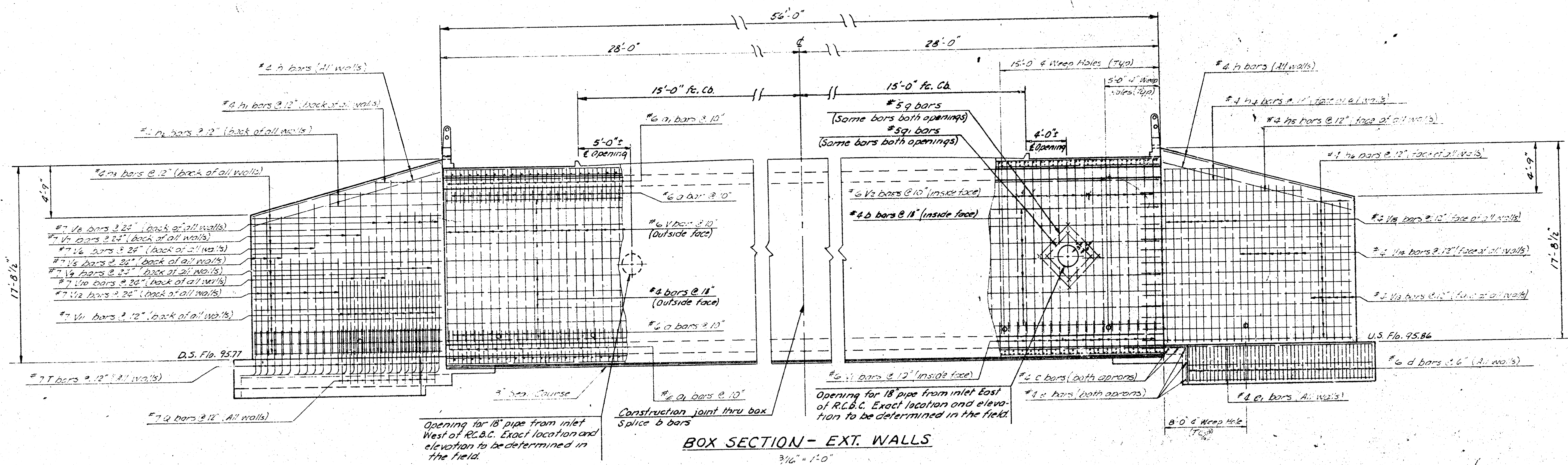


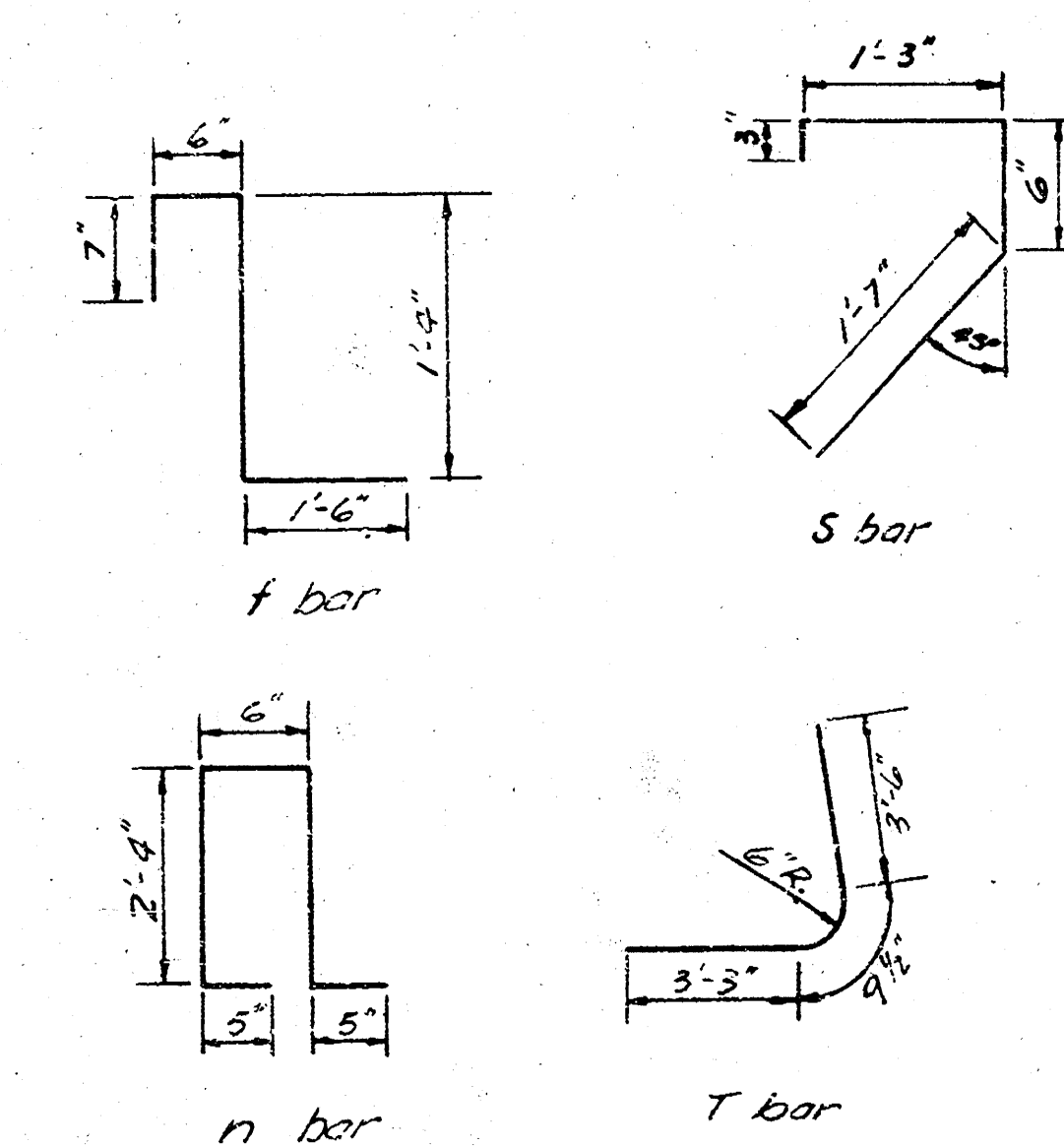
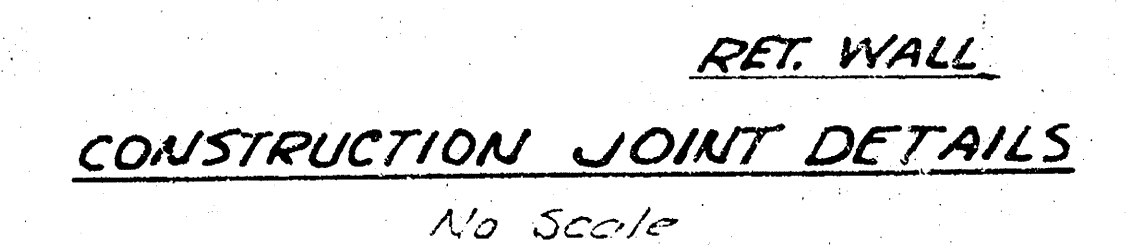
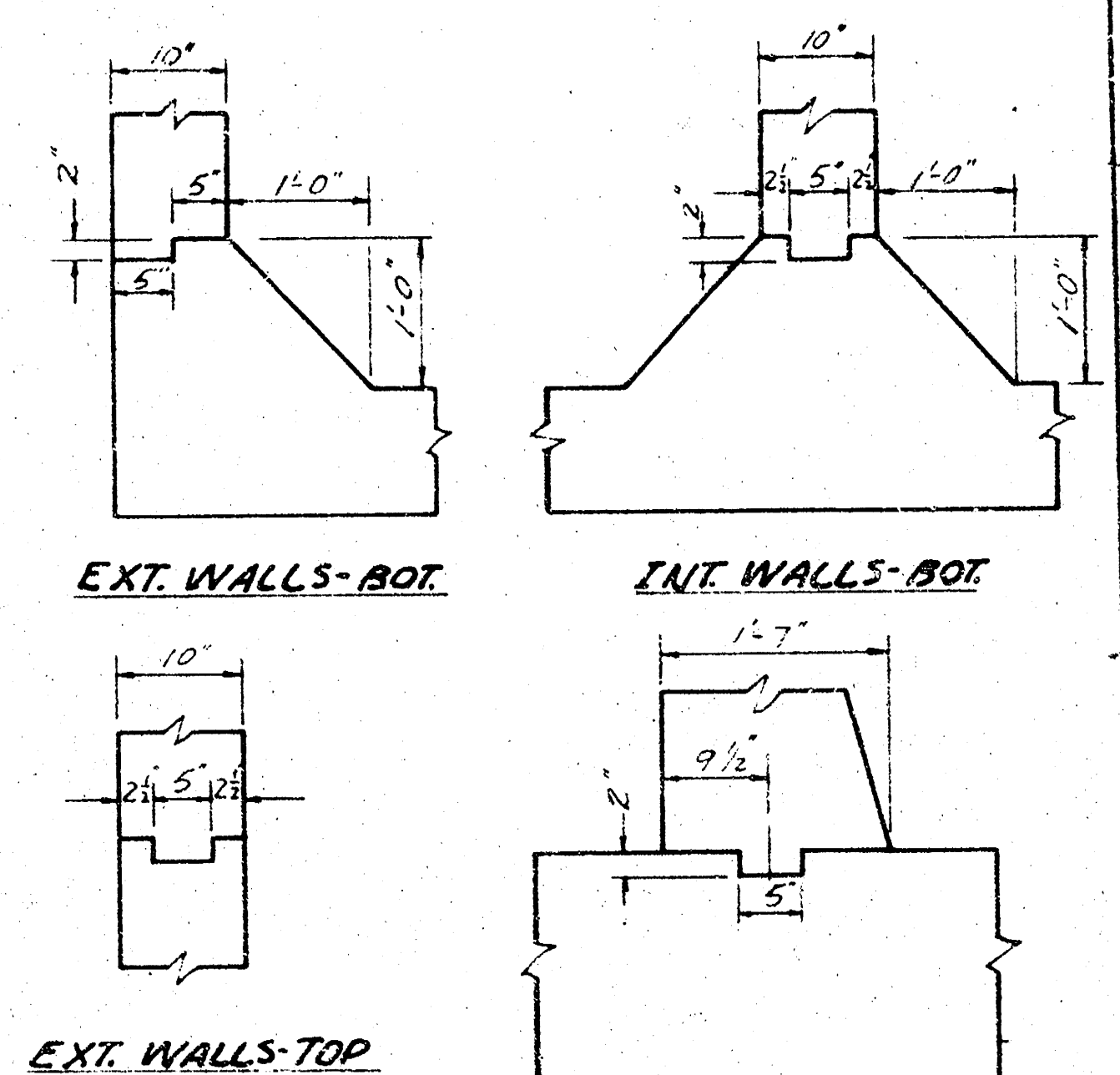
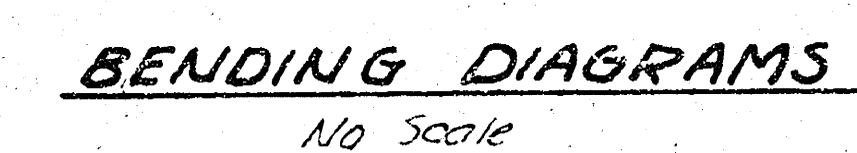
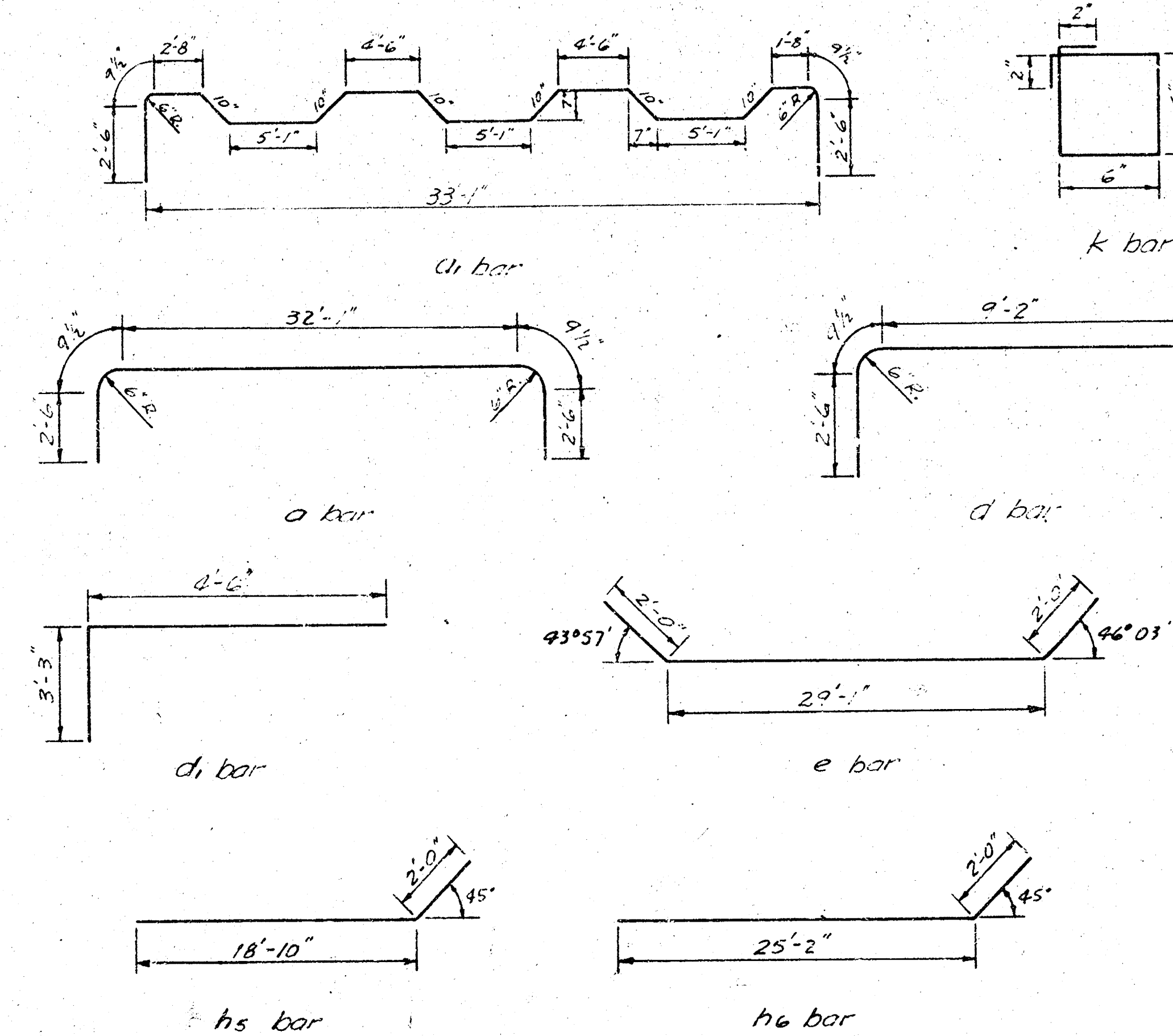
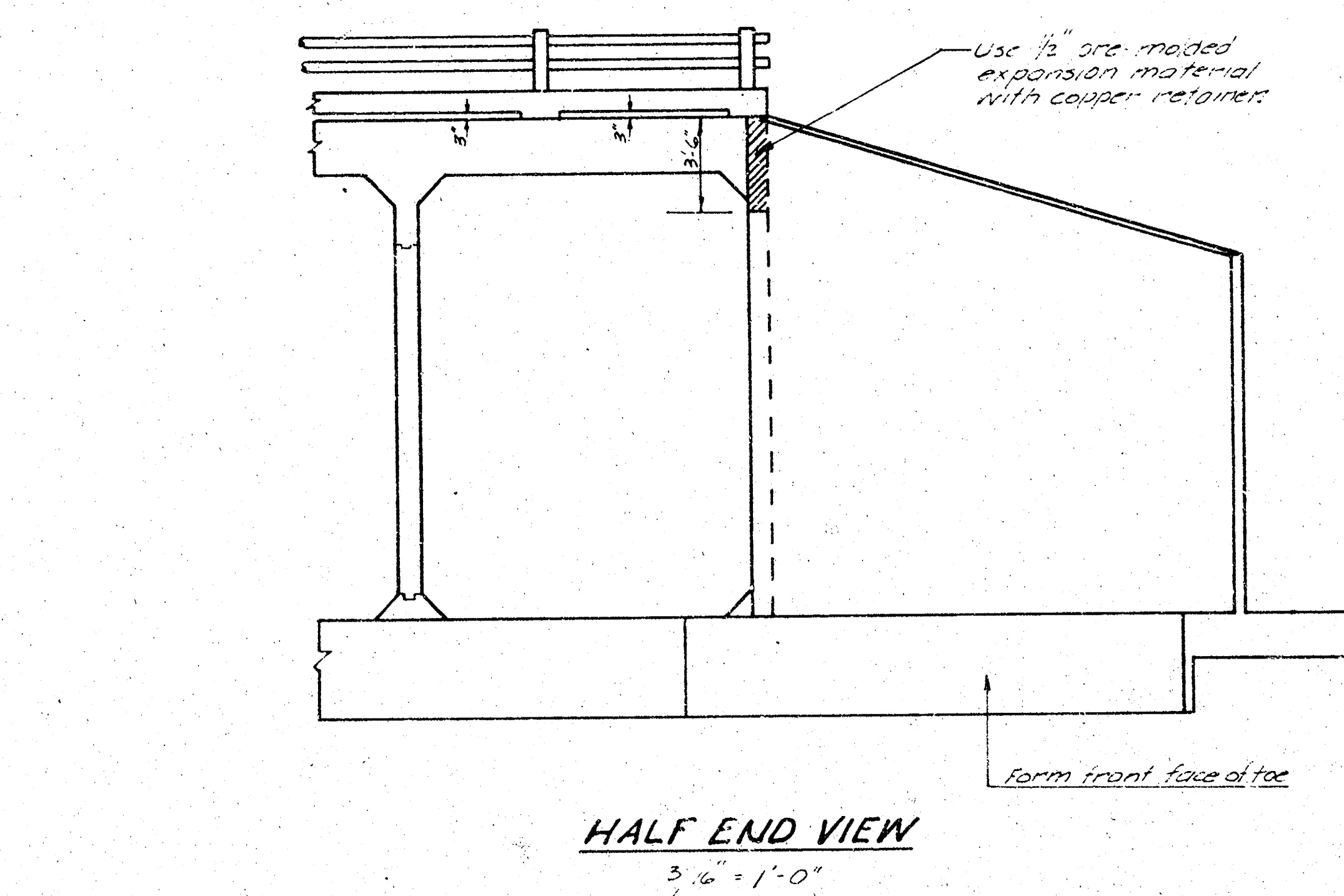
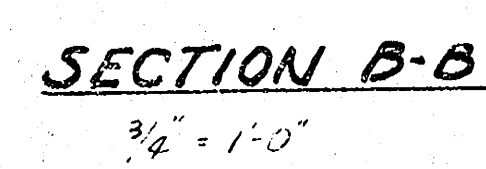
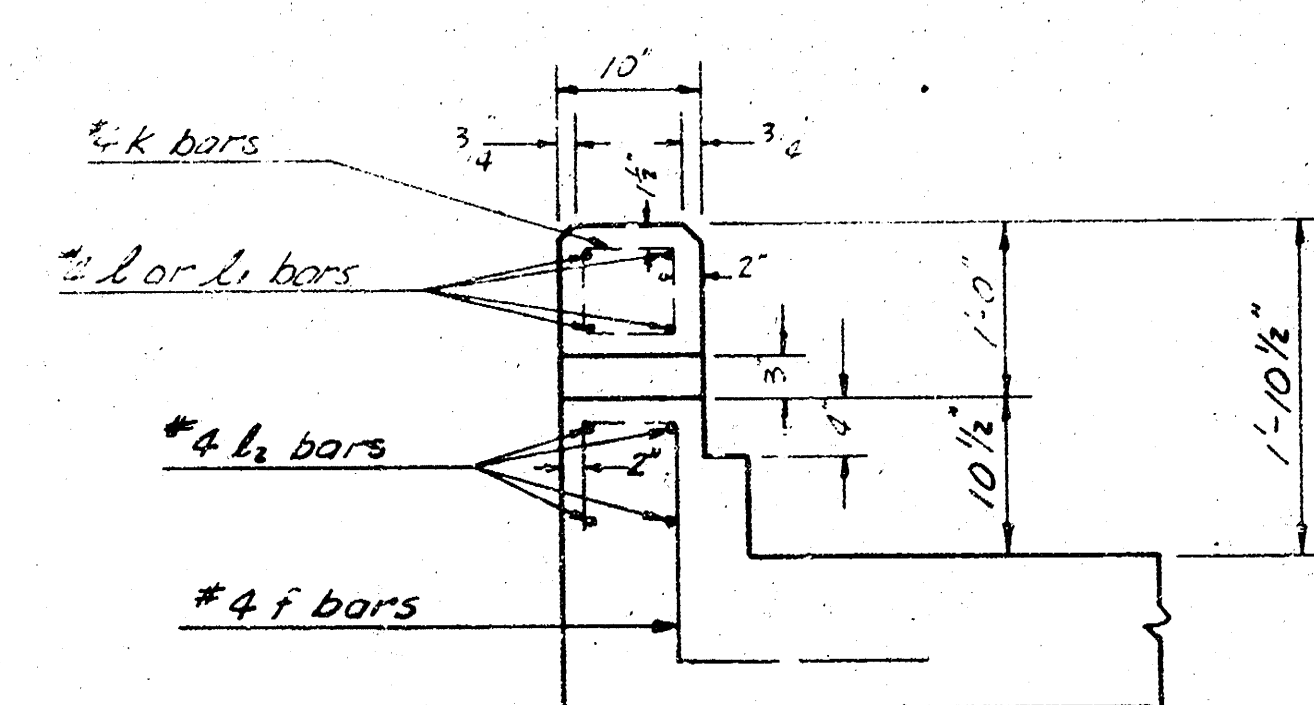
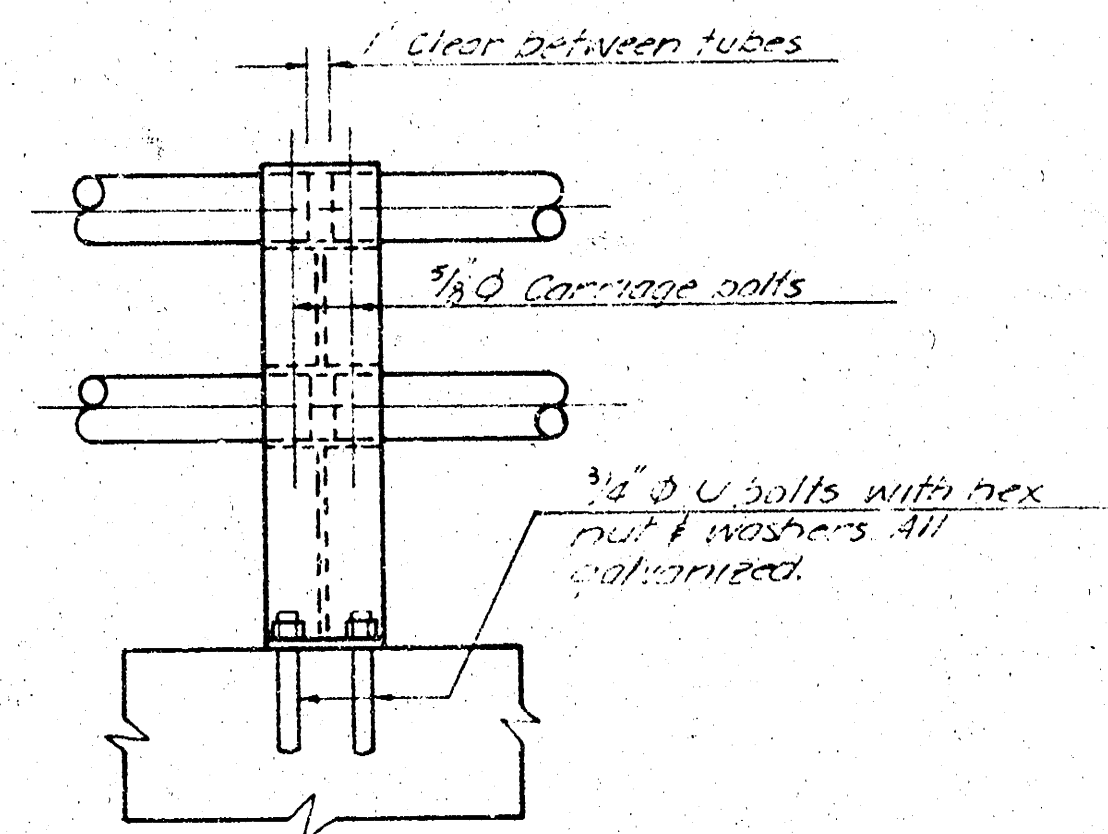
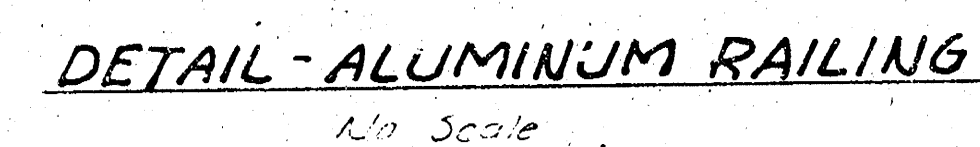
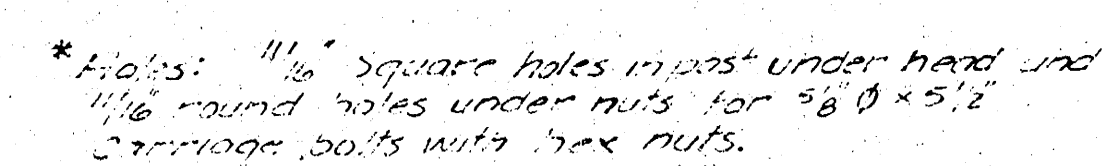
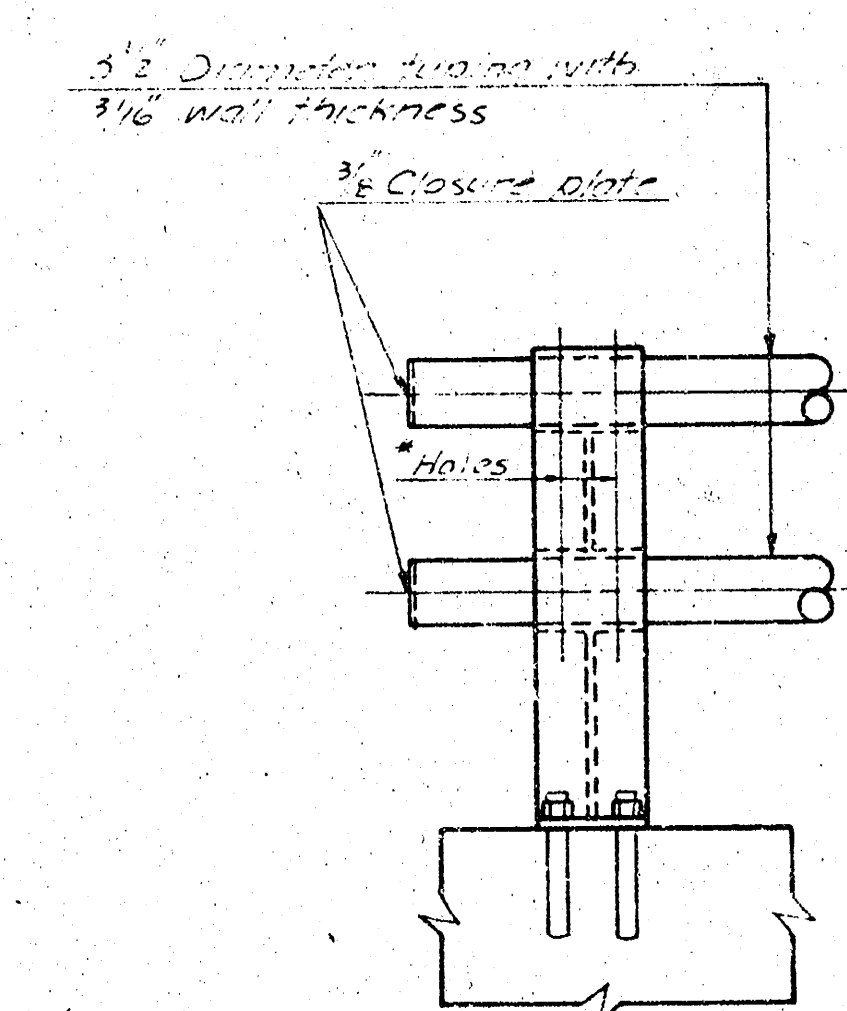
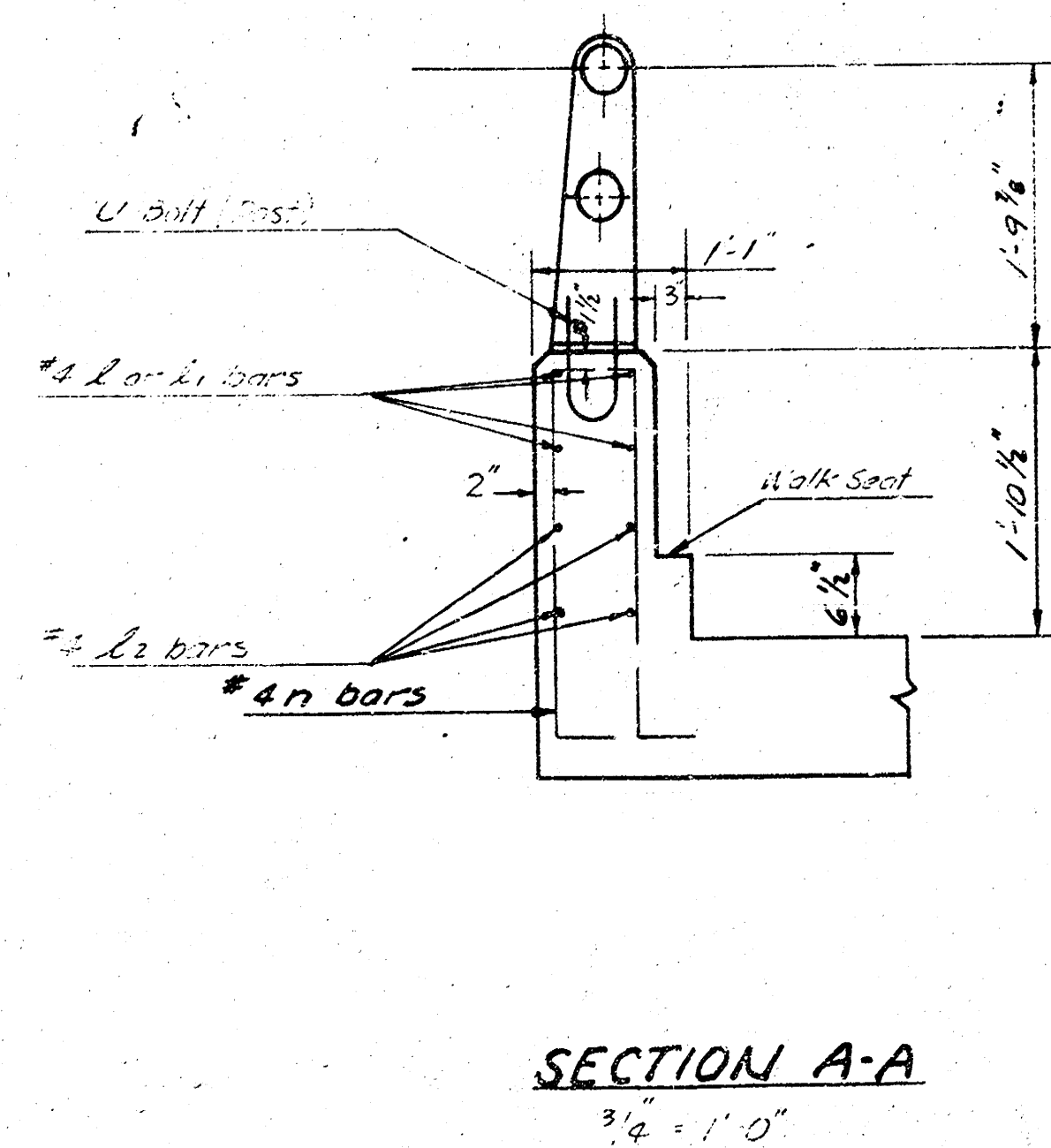
E. CESSNA ST. - OVER DRY CREEK
PROJ. NO. DAKS 577020





PLAN
3/16" = 1'-0"





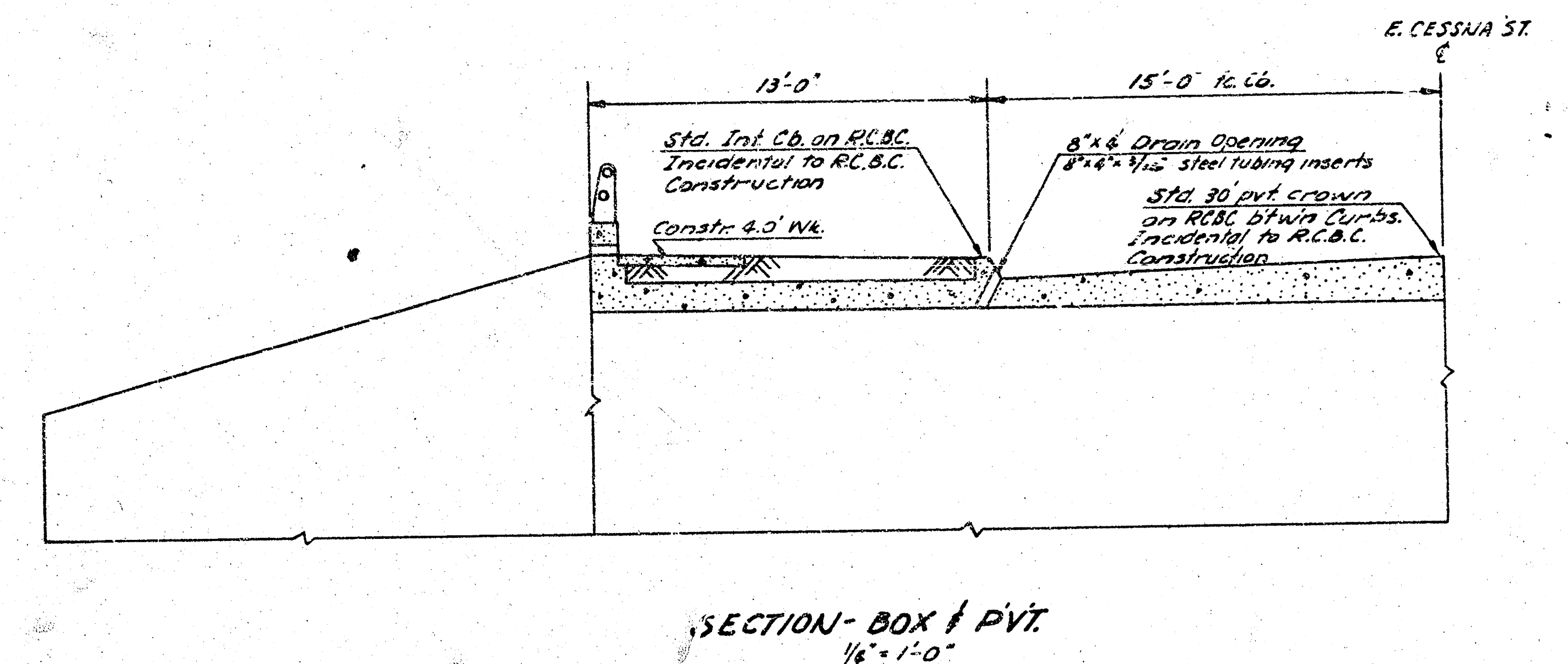
3-10'x16' R.C.B.C.-OVER DRY CREEK
PROV. No. DAKB 577020

BAR SCHEDULE					
BAR	SIZE	LENGTH	NO.	SHAPE	WEIGHT
D	#6	35'-8"	134		7183.03 #
D1	#6	40'-0"	136		8205.61
D2	#6	33'-0"	134		6641.84
D	#6	28'-11"	264		5100.10
C	#6	29'-0"	4		77.79
D1	#6	29'-0"	4		154.78
D2	#6	32'-0"	24		53.33
D	#6	12'-7 1/2"	196		3718.17
D1	#6	7'-9"	36		468.85
E	#6	35'-0"	4		132.58
E1	#6	25'-6"	12		176.39
F	#6	3'-11"	52		136.17
Q	#5	3'-0"	8		25.08
N	#6	15'-0"	16		266.20
N1	#6	8'-6"	4		22.71
N2	#6	18'-9"	8		78.82
N3	#6	24'-0"	52		859.72
N4	#6	9'-6"	8		49.86
N5	#6	20'-0"	4		55.66
N6	#6	27'-2"	52		943.78
K	#6	2'-6"	52		81.93
L	#6	15'-11"	8		85.08
L1	#6	12'-11"	8		70.64
L2	#6	33'-11"	8		74.78
N	#6	6'-0"	44		176.35
S	#5	3'-7"	68		253.91
Q	#7	3'-0"	52		531.84
T	#7	7'-6 1/2"	100		561.18
V	#6	13'-10"	136		2825.08
V1	#6	3'-0"	284		1278.21
V2	#6	15'-7"	284		6445.93
V3	#7	12'-6"	12		306.60
V4	#7	13'-6"	8		220.75
V5	#7	14'-6"	12		355.64
V6	#7	15'-6"	20		633.62
V7	#7	12'-6"	12		306.60
V8	#7	10'-6"	12		252.54
V9	#7	6'-6"	52		690.87
V11	#7	8'-6"	24		416.98
V12	#7	12'-3"	24		146.39
V14	#6	13'-9"	36		330.26
V16	#6	7'-6"	40		418.16
V17	#5	7'-0"	8		58.21
Q1	#5	4'-0"	8		33.38
M	#5	33'-9"	4		180.81

BILL OF MATERIALS			
ITEM	QUANTITY	UNIT	
Class A AE Concrete (Culvert)	405.1	C.Y.	
Reinforcing Steel (Culvert)	53,480	LBS	
Hand Excavation (Culvert)	20	C.Y.	
Aluminum Handrail (Culvert)	67	L.F.	
Class A Concrete - Seal course (Culvert)	17	C.Y.	
Excavation	603	C.Y.	
Borrow	935	C.Y.	
Compacted Fill	462	C.Y.	

Lump Sum

Bid Items



NOTES: Aluminum Handrail
 Aluminum posts shall be Reynolds Aluminum Highway Products Bridge Waling System LR 20944 or equal.
 Top flange rails shall be 3 1/2" O.D. x 3/16" wall tube of 6063-T6 Aluminum.
 Aluminum shims between concrete and post base may be used. The space below posts shall be thoroughly caulked with Alumilastic compound or other approved material.

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3-10'x16' R.C.B.C. - OVER DRY CREEK
 PROJ. NO. DAKB 577020