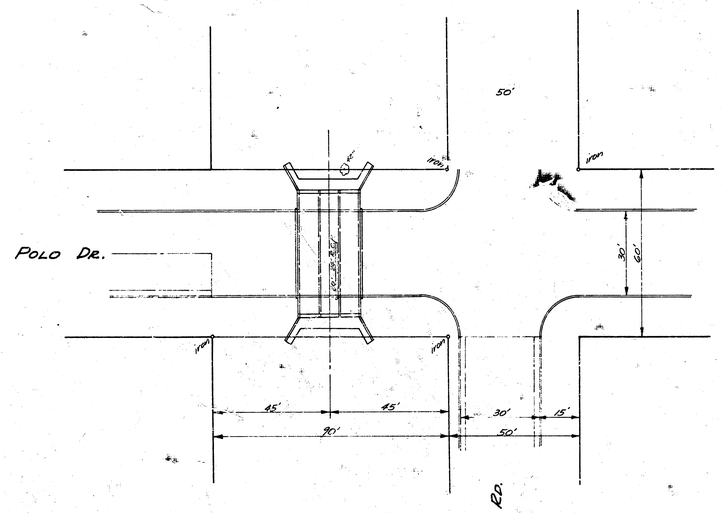
B.M. 1981.6 'E' in Ritchie W. Ch. Kevin, S.L. Polo
Note: Use this B.M. & elevation only.

3 - 7' x 4' R.C.B.C.
POLO DR. & DRYCREEK



PLAN LAYOUT
Scale: 1" = 20'

INCIDENTAL DRAINAGE
POLO DRIVE, N½
W.L. McEWEN 2ND ADDN. to S.L. 11TH ST.
CITY OF WICHITA, KANSAS
B.E. SMITH - CITY ENGINEER
July, 1957 PROJ. NO. C16-150

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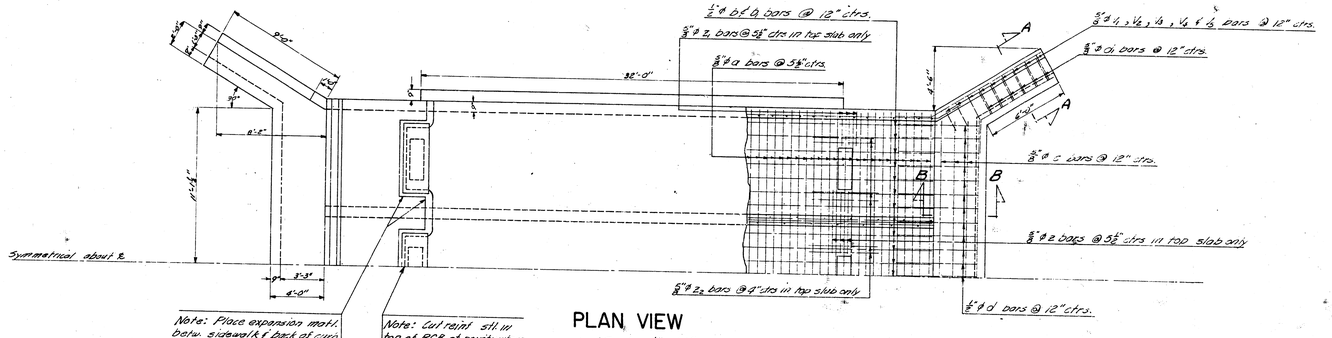
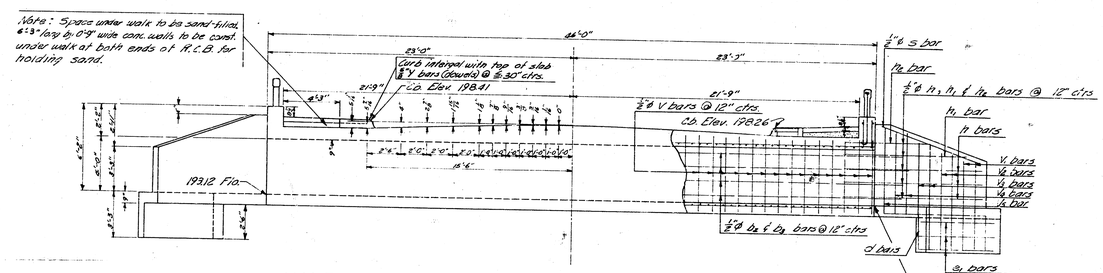
REINFORCED CONCRETE BOX CULVERT
POLO DR. & DRY CREEK



PLAN VIEW

Scale - 1/4" = 1'-0"

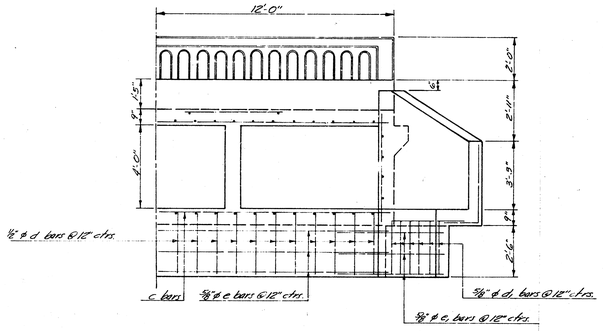


HALF SIDE ELEVATION

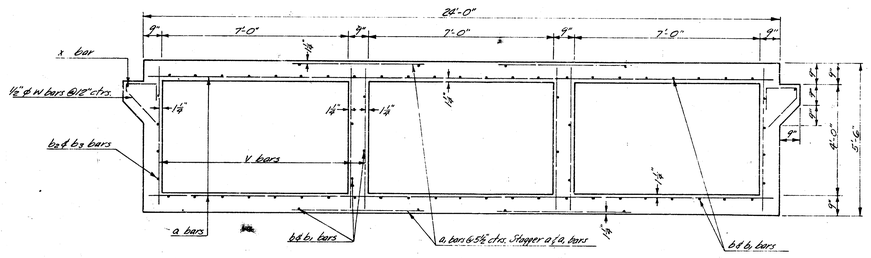
Scale - 1/2" = 1'-0"

HALF LONGITUDINAL SECTION

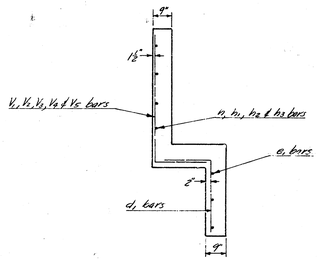
Scale - 1/2" = 1'-0"



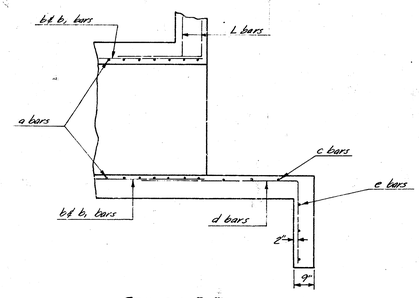
HALF END ELEVATION
Scale: 3/8" = 1'-0"



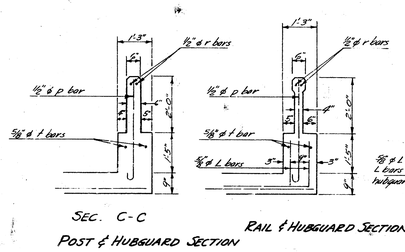
CROSS SECTION OF BOX
Scale: ½" = 1'-0"



SECTION A-A
Scale: ½" = 1'-0"



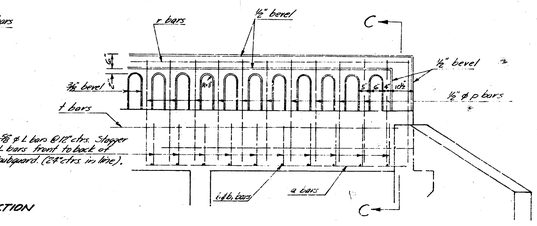
SECTION B-B
Scale: ½" = 1'-0"



SEC. C-C
POST & HUBGUARD SECTION

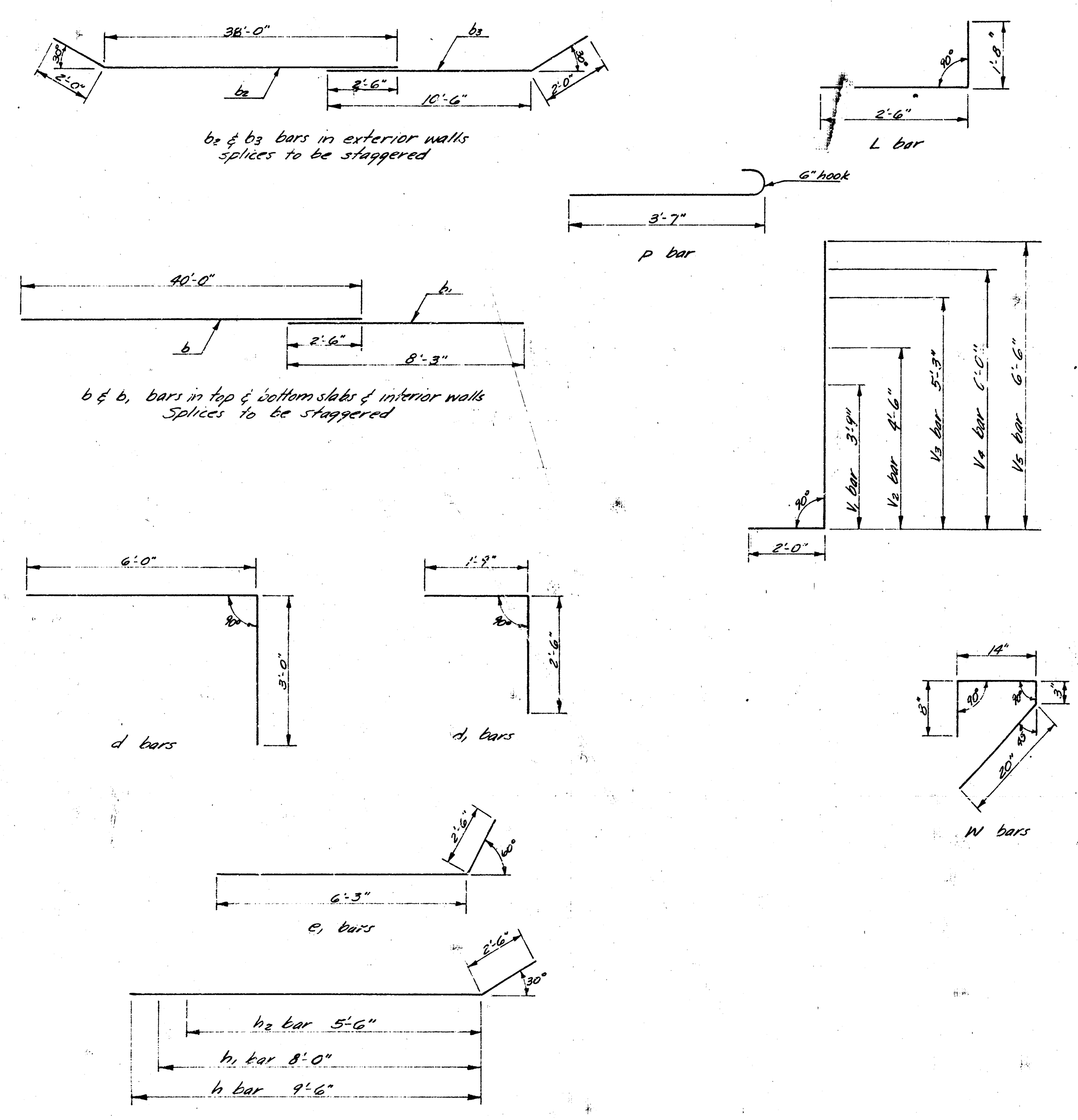
RAIL & HUBGUARD SECTION

Scale: ½" = 1'-0"



PART ELEVATION - HANDRAIL & HUBGUARD
Scale: ½" = 1'-0"

3/5



BAR BENDING DIAGRAMS

No Scale

STEEL SCHEDULE

BAR	SIZE	NO.	LENGTH	SHAPE
a	5/8"	200	23'-7"	
a_1	5/8"	396	5'-0"	
b	1/2"	62	40'-0"	
b_1	1/2"	62	8'-3"	
b_2	1/2"	8	40'-0"	
b_3	1/2"	8	12'-6"	
c	5/8"	6	24'-0"	
d	1/2"	46	9'-0"	
d_1	5/8"	24	4'-3"	
e	5/8"	6	23'-0"	
e_1	5/8"	12	8'-9"	
h	1/2"	12	12'-0"	
h_1	1/2"	4	10'-6"	
h_2	1/2"	4	7'-6"	
L	5/8"	46	4'-2"	
p	1/2"	50	4'-1"	
r	1/2"	4	23'-9"	
s	1/2"	4	8'-6"	
t	5/8"	4	23'-6"	
v	[illegible]	184	5'-2"	
v_1	5/8"	8	5'-9"	
v_2	5/8"	8	6'-3"	
v_3	5/8"	8	7'-0"	
v_4	5/8"	8	7'-6"	
[illegible]	5/8"	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	
y	[illegible]	[illegible]	[illegible]	
z	[illegible]	12	4'-4"	
z_1	[illegible]	12	2'-4"	
z_2	5/8"	24	5'-0"	

BILL OF MATERIALS

ITEM	QUANTITY	UNITS
Class A-AE Concrete	112.1	Cu. Yds.
Reinforcing Steel	12,065.	lbs.
Handrail	48.0	lin. ft.
General Excavation	360.	Cu. Yds.
Hand Excavation	5.	Cu. Yds.
Compacted Backfill	60.	Cu. Yds.
Integral curb	72.0	lin. ft
Catch basin lid, 2'x5'	6	each
4" Sidewalk	234.0	sq. ft
Pipe removed	20.	lin. ft.
large tree removed	1	each

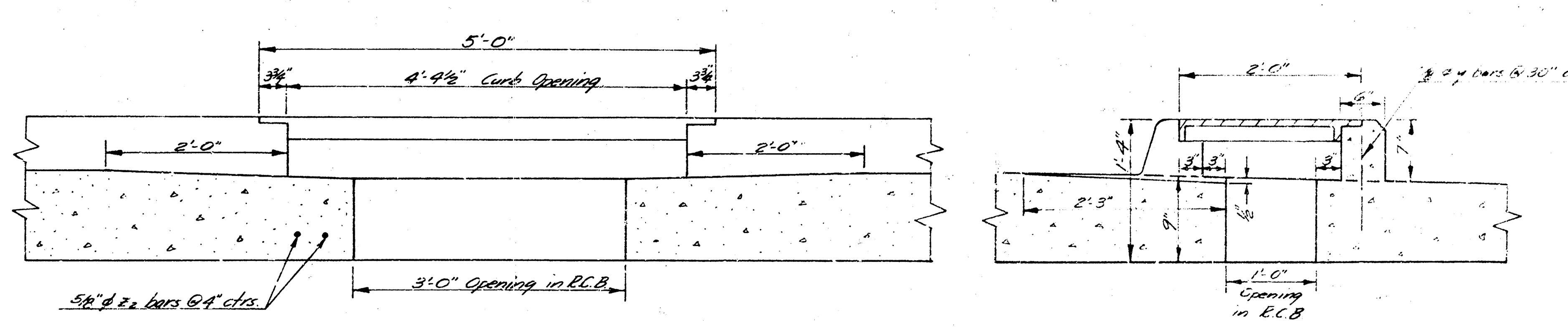
General Notes:

Compacted backfill to be carried to original ground elevation. Backfill is to be sand stabilized and mechanically tamped.

Excavation is to be extended 2' beyond sides of the box & back of wingwalls.

Bevel all exposed edges with 3/4" moulding unless otherwise noted.

4" Sidewalk to cover entire area between int. curb & hubguard. Bid price of walk to include sand fill between top of box & bottom of walk. Cost of expansion joint between walk & int. curb to be included in walk bid.

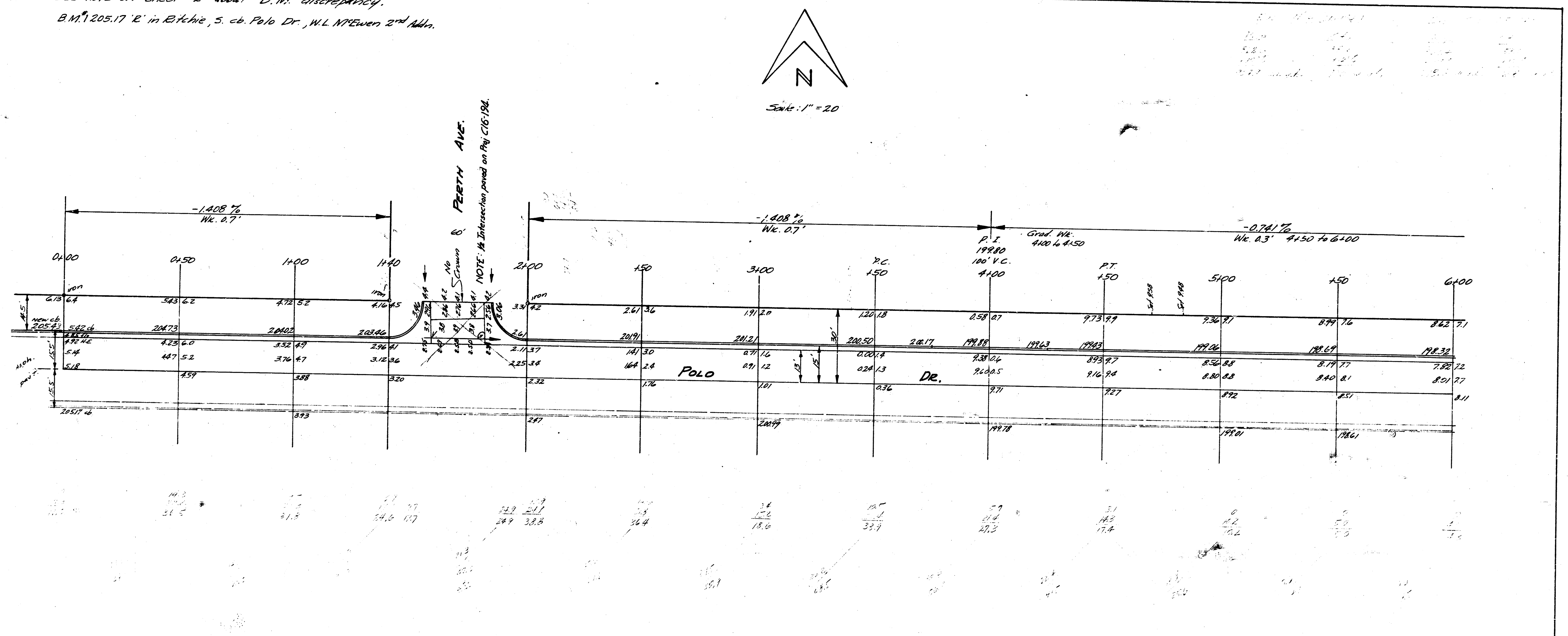


SECTIONS THRU CATCH BASINS

Scale: 1" = 1'-0"

See note on Sheet #2 about B.M. discrepancy.

B.M.# 1205.17 'R' in Ritchie, S. cb. Polo Dr., W.L. McEwen 2nd Addn.



POLO DR.

N½, W.L. McEWEN 2ND ADDN. TO S.L. 11TH
S½, E.L. LOT 1, BLK. 1, McEWEN 2ND ADDN. TO
W.L. 11TH ST.
13-2-15 A.C.

CITY OF WICHITA, KANSAS
B.E. SMITH - CITY ENGINEER
AUG 1957 PROJ. No. C15-240 & C16-150

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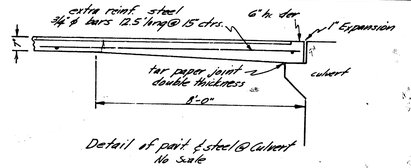
CURVE DATA from STA 8+23.2 to 11+61
Sta. on S.P.L., R = 285', Δ = 67° 51'

Sta.	Chord length & offset S.ch.	Chord length & offset N.ch.	Deflection Angle	Total Deflection Angle
P.C. 8+23.2				
+50	26.93'	21.99'	5° 23' 8"	5° 23' 8"
+75	29.18'	20.50'	5° 01' 15"	10° 24' 23"
9+00	"	"	"	15° 25' 38"
+25	"	"	"	20° 26' 53"
+50	"	"	"	25° 28' 08"
+75	"	"	"	30° 29' 23"
10+00	"	"	"	35° 30' 38"
+25	"	"	"	40° 31' 53"
+50	"	"	"	45° 33' 08"
+75	"	"	"	50° 34' 23"
11+00	"	"	"	55° 35' 38"
+25	"	"	"	60° 36' 53"
P.T. 11+61	38.82'	27.52'	7° 14' 7"	67° 51'

N

Scale: 1" = 20'



Detail of part. steel @ Culvert
No Scale

Use West of 6+63.2: B.M. #2 197.75 'R' in Ritchie W. Ch. Kevin, S.L. Polo
" East " " : B.M. #2 198.16 " " " " " " " " "

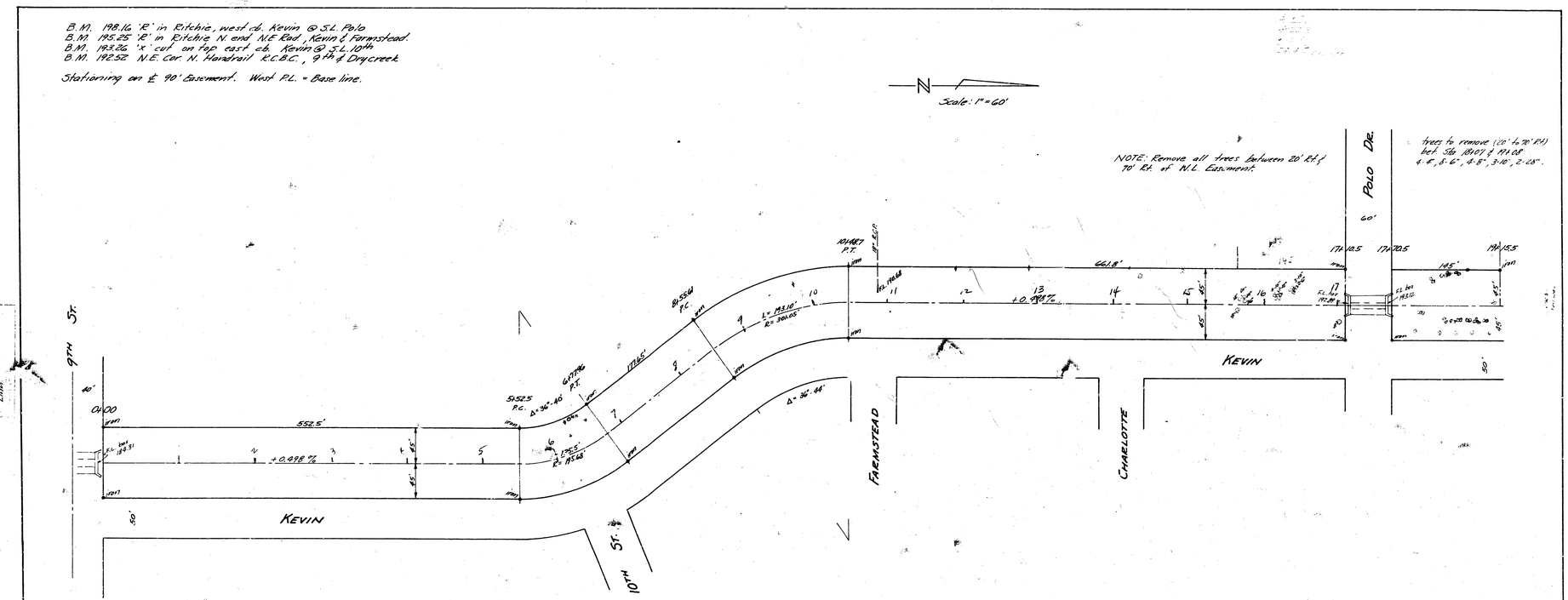
NOTE TO FIELD ENGR. : Due to discrepancy in Bench Mark elevations this plan has 0.41' correction at Sta 6+63.2
All elevations on plan west of 6+63.2 check B.M. #1 at elev. 265.17 & B.M. #2 at elev. 197.75
All elevations on plan east of 6+63.2 check B.M. #2 at elev. 198.16 Elev. 198.30 on top N. ch. @ W.S. culvert = 198.41 on top N. ch. @ E.S. culvert

POLO DR.
N½, PROJ. NO. C16-150
S½, PROJ. NO. C15-240

2/2

B.M. 198.16 'R' in Ritchie, west cb. Kevin @ S.L. Polo
B.M. 195.25 'R' in Ritchie N. end N.E. Rad, Kevin & Farmstead.
B.M. 193.26 'x' cut on top east cb. Kevin @ S.L. 10th
B.M. 192.52 N.E. Cor. N. Handrail K.C.B.C., 9th & Drycreek

Stationing on ℄ 90' Easement. West P.L. = Base line.



INCIDENTAL DRAINAGE - POLO DR., N½ W.L. MCEWEN 2ND ADDN. TO S.L. 11TH ST.
CHANNEL CHANGE - DRY CREEK N.L. 9TH ST. TO N.L. PERTHSHIRE ADDN.
CITY OF WICHITA, KANSAS
B.E. SMITH - CITY ENGINEER
July 1959 PROJ. C16-150

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