

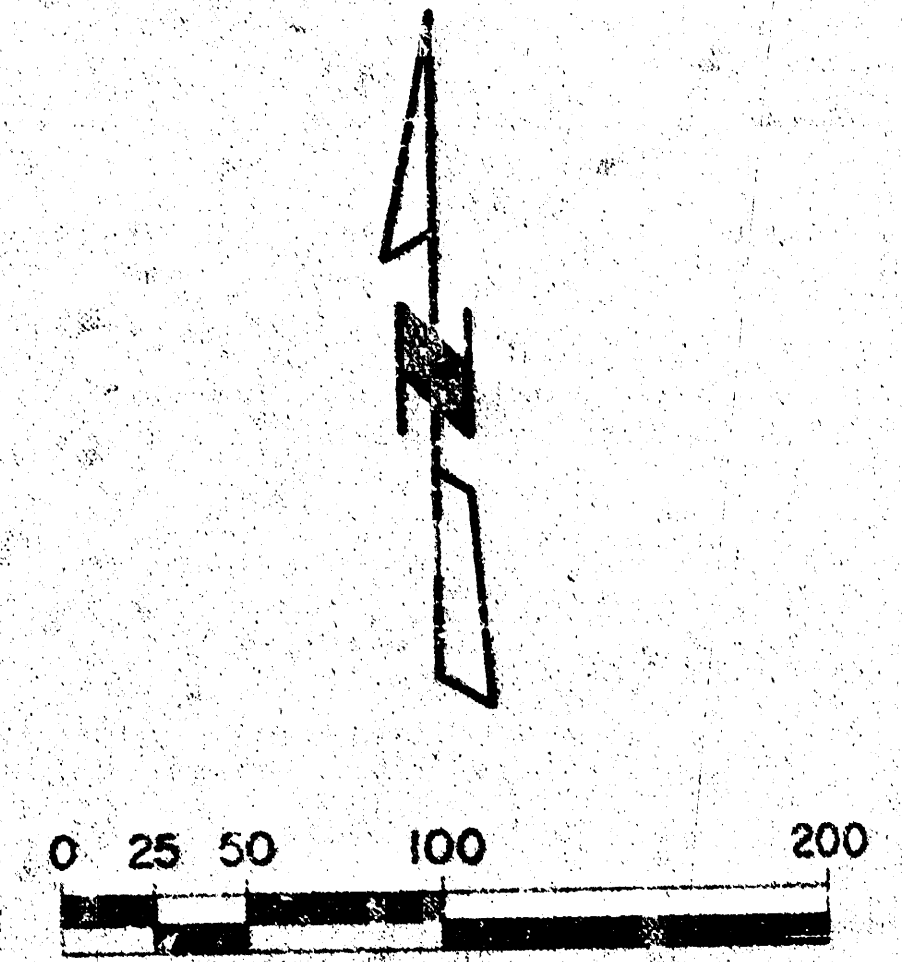
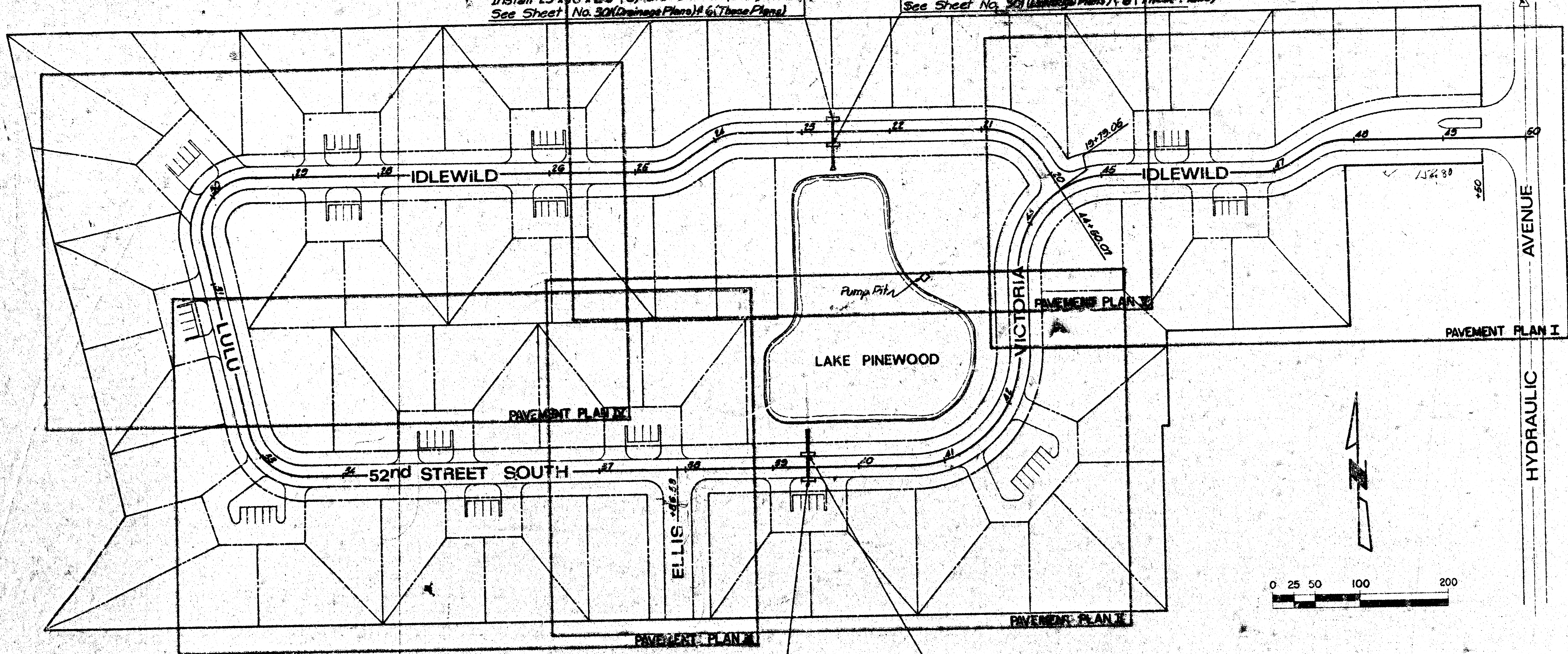
5/23457020

INDEX SHEET	10
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Sta. 22+69.58 Construct
KDOT Std. Inlet Type 22, R₁, L=13', W=4.5'
Install 29"x18"x26" (S) B.C. C.M.P.A. (Fully Raved)
See Sheet No. 30 (Drainage Plans) & 6 (These Plans)

Sta. 22+69.58 Construct
KDOT Std. Inlet Type 22, R₁, L=13', W=4.5'
Install 30"x22"x26" (S) B.C. C.M.P.A. (Fully Raved)
Outflow Pipe with End Section
See Sheet No. 30 (Drainage Plans) & 6 (These Plans)

NE Cor. SE 1/4,
Sec. 21, T23 S, R1E



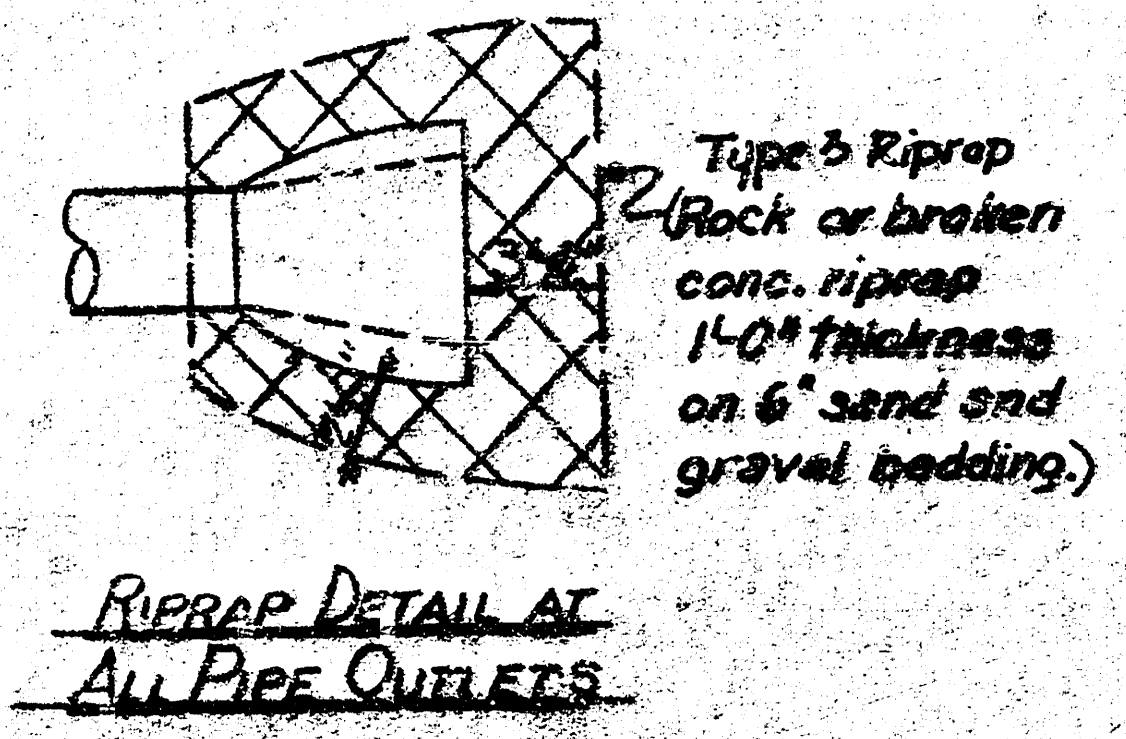
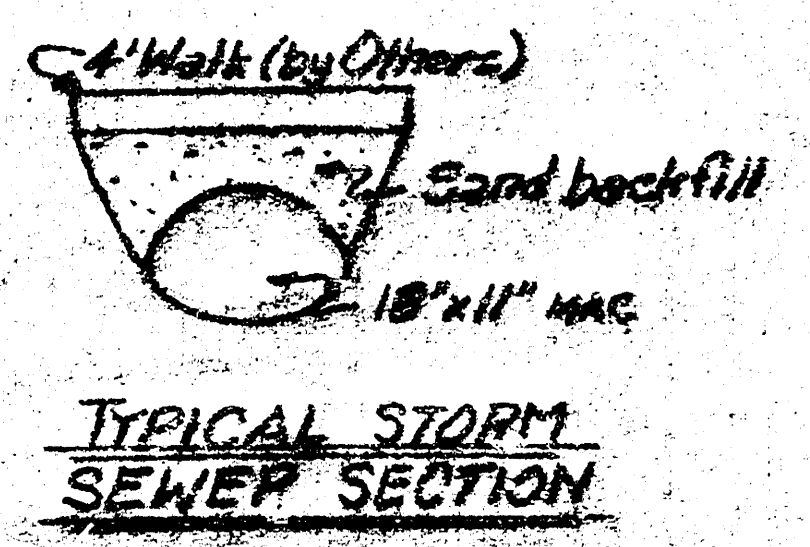
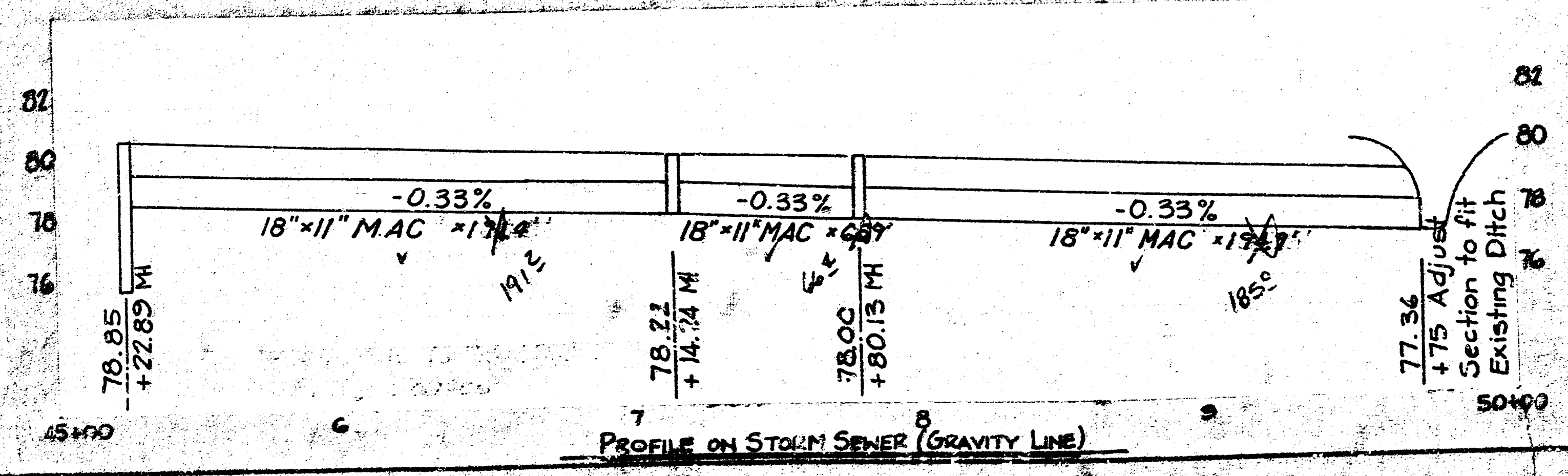
Sta. 39+58.58 Construct
KDOT Std. Inlet Type 22, R₁, L=13', W=4.5'
Install 29"x18"x26" (N) B.C. C.M.P.A. (Fully Raved)
See Sheet No. 8

Sta. 39+58.58 Construct
KDOT Std. Inlet Type 22, R₁, L=13', W=4.5'
Install 30"x22"x26" (N) B.C. C.M.P.A. (Fully Raved)
Outflow Pipe with End Section
See Sheet No. 8

- INDEX OF SHEETS
- 1. Index Sheet
 - 2. Pavement and Ramp Details
 - 3-7. Pavement Plans
 - 8-10. Inlet and Manhole Details

Notes: At Contractor's option, substitute for each 15" KDOT Std. Inlet, three (3) City of Wichita Std. 14" Inlets (See sheet 9), spaced 6'-0" on centers, centered on same station, and with 15" LMP or RCP Connections between boxes.
15" pipe to be incidental to cost of Type 18 Curb Inlets.
All End-Sections to be incidental to cost of pipe

As built
s/p/w
1/14
C-01



Proj. No. 472 16 245 80618 000000 001

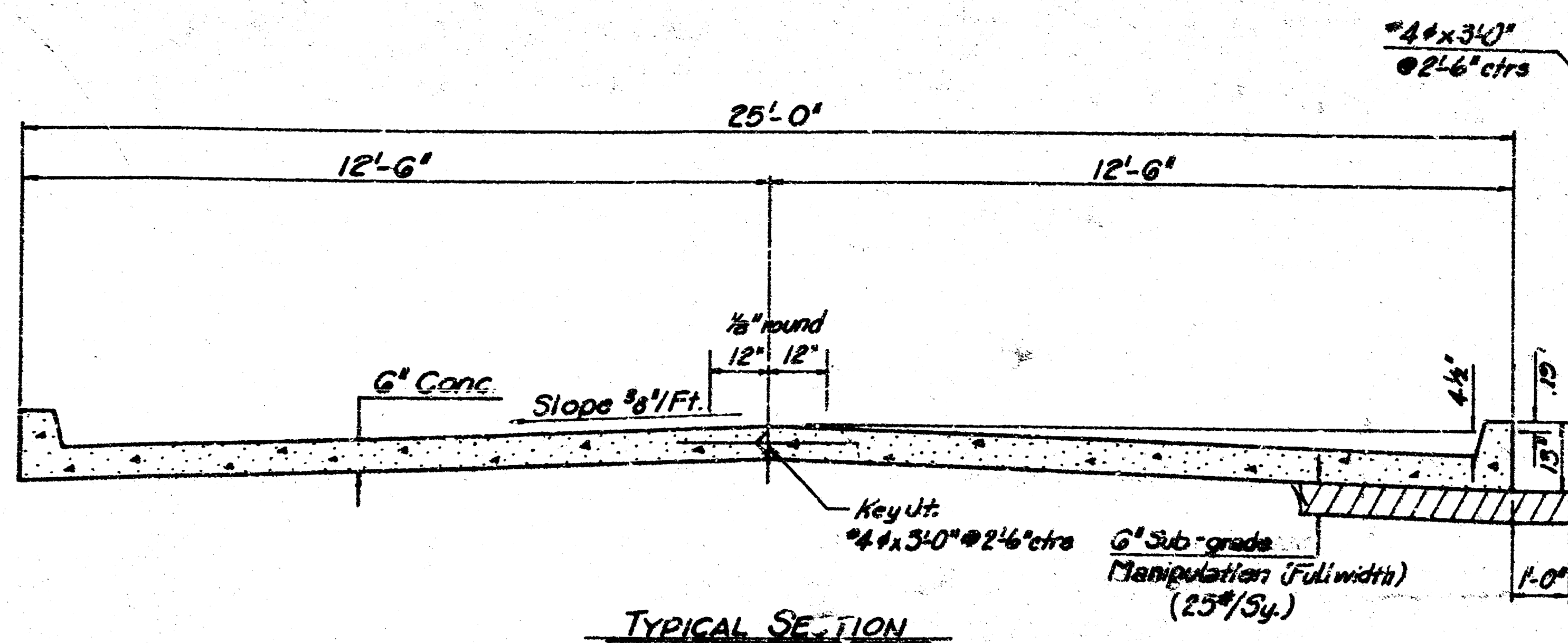
TAMARAC DEVELOPMENT CO., INC.
WICHITA, SEDGWICK COUNTY, KANSAS

PINEWOOD ESTATES
**INDEX SHEET
PAVEMENT & DRAINAGE**

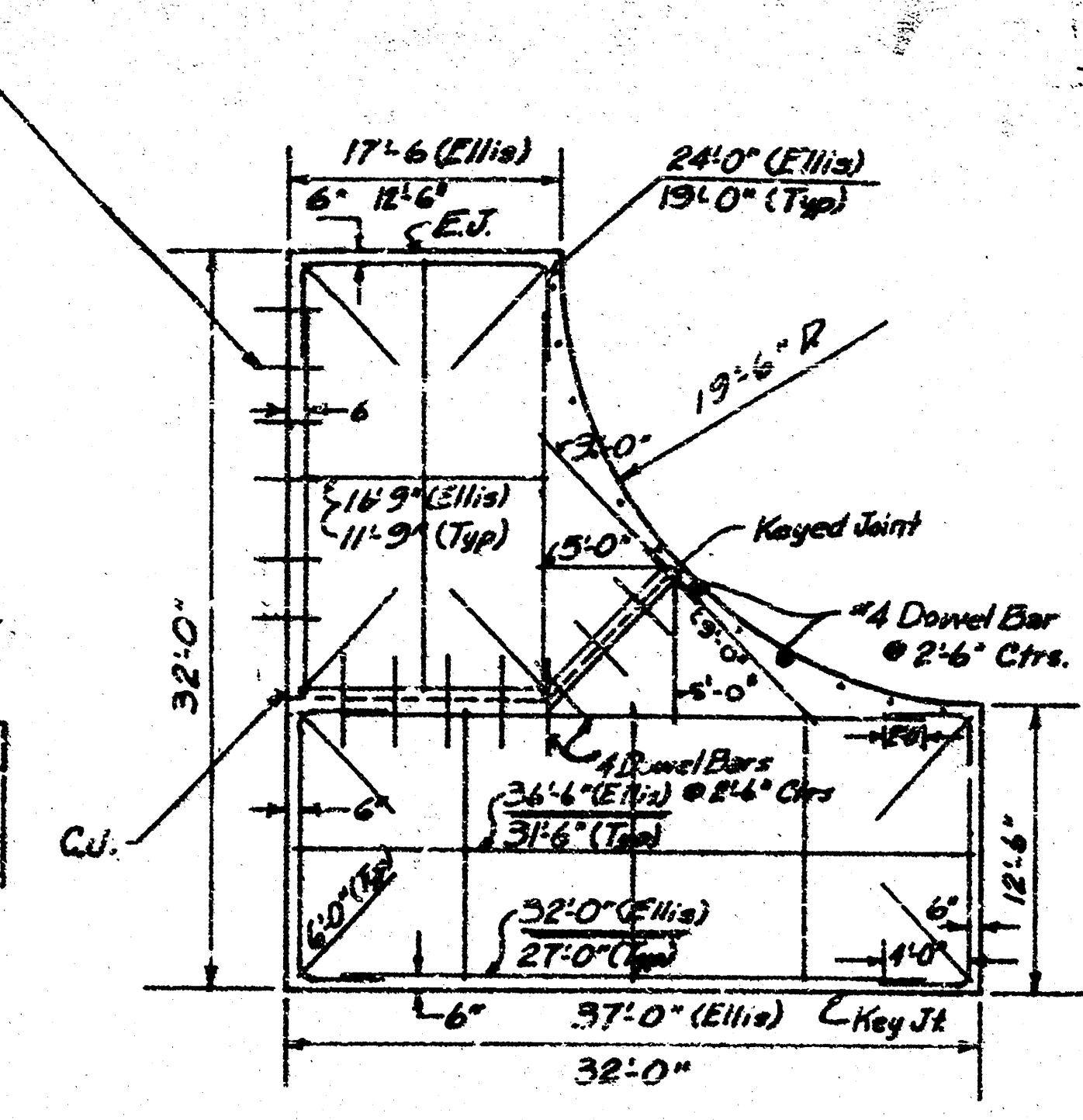
DELAMATER, FREUND & SCHERER
ENGINEERS & ARCHITECTS
WICHITA, KANSAS

DATE: October, 1977

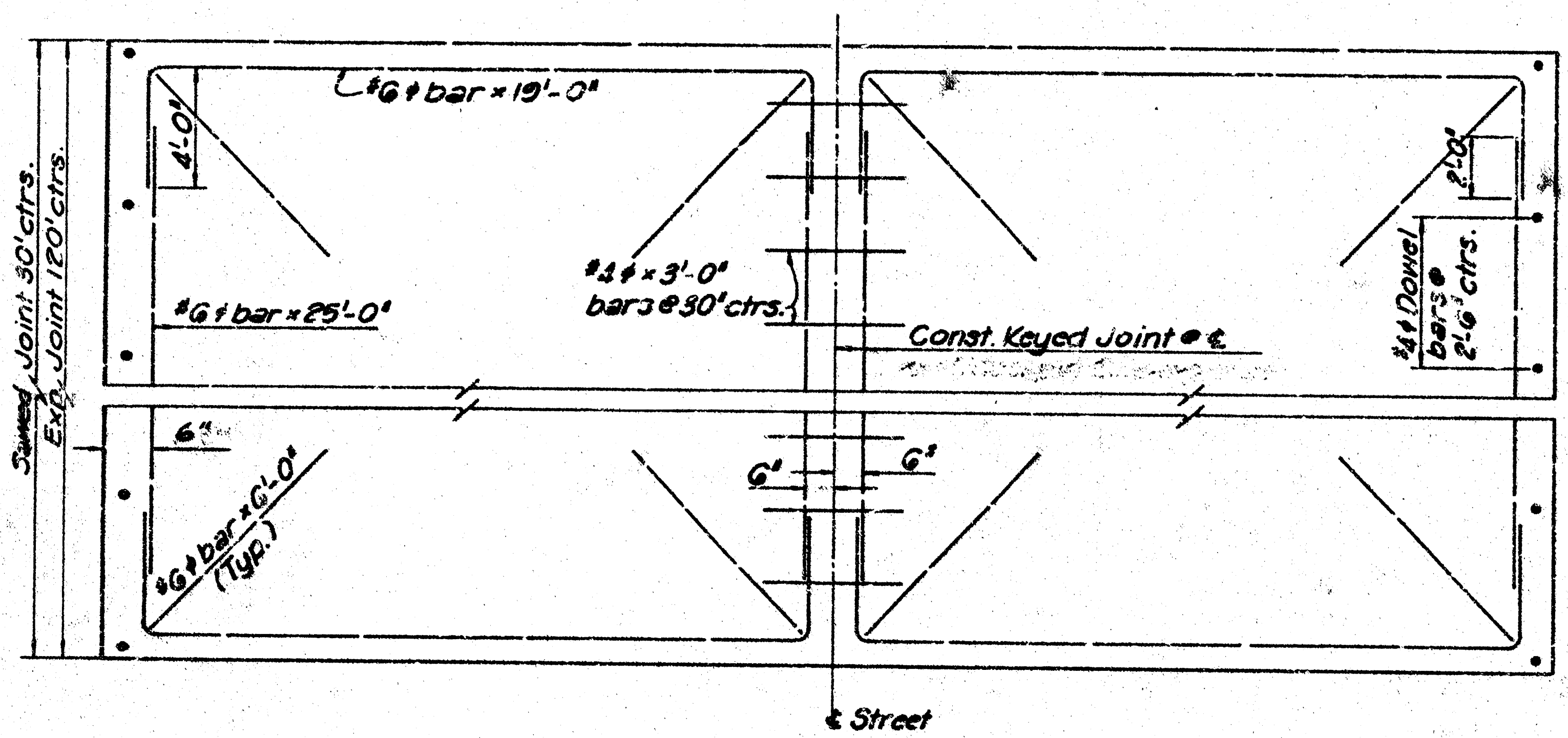
NO. 354-C-201



TYPICAL SECTION

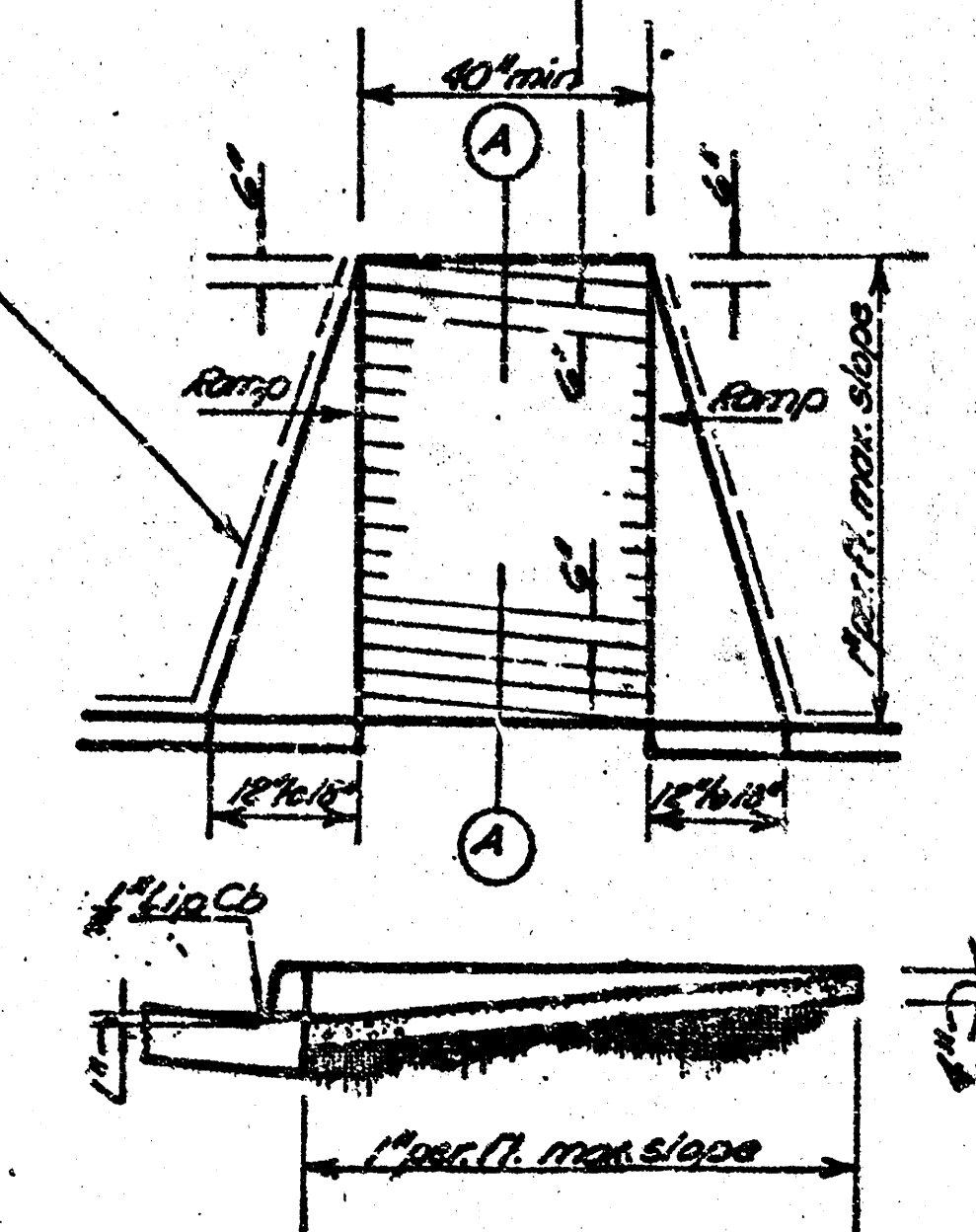
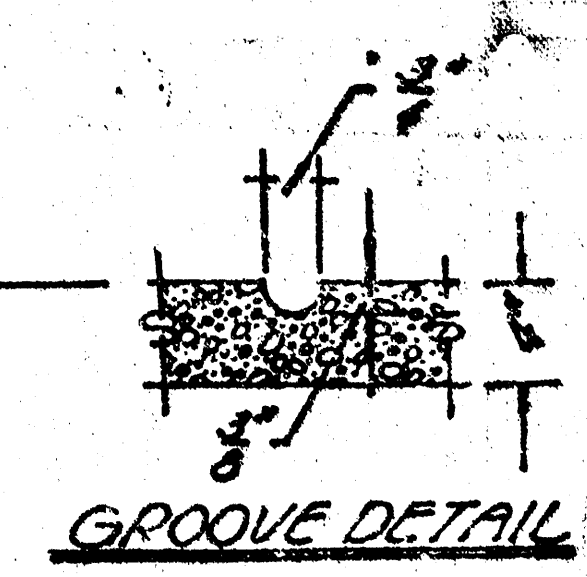


INTERSECTION STEEL PATTERN

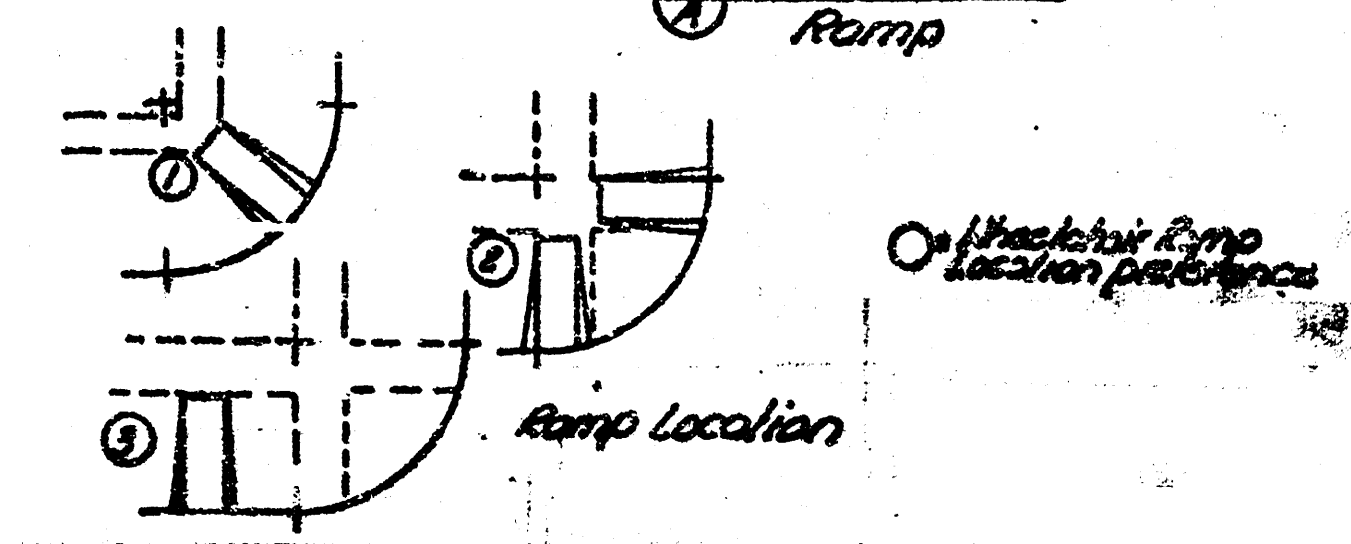


STEEL PATTERN

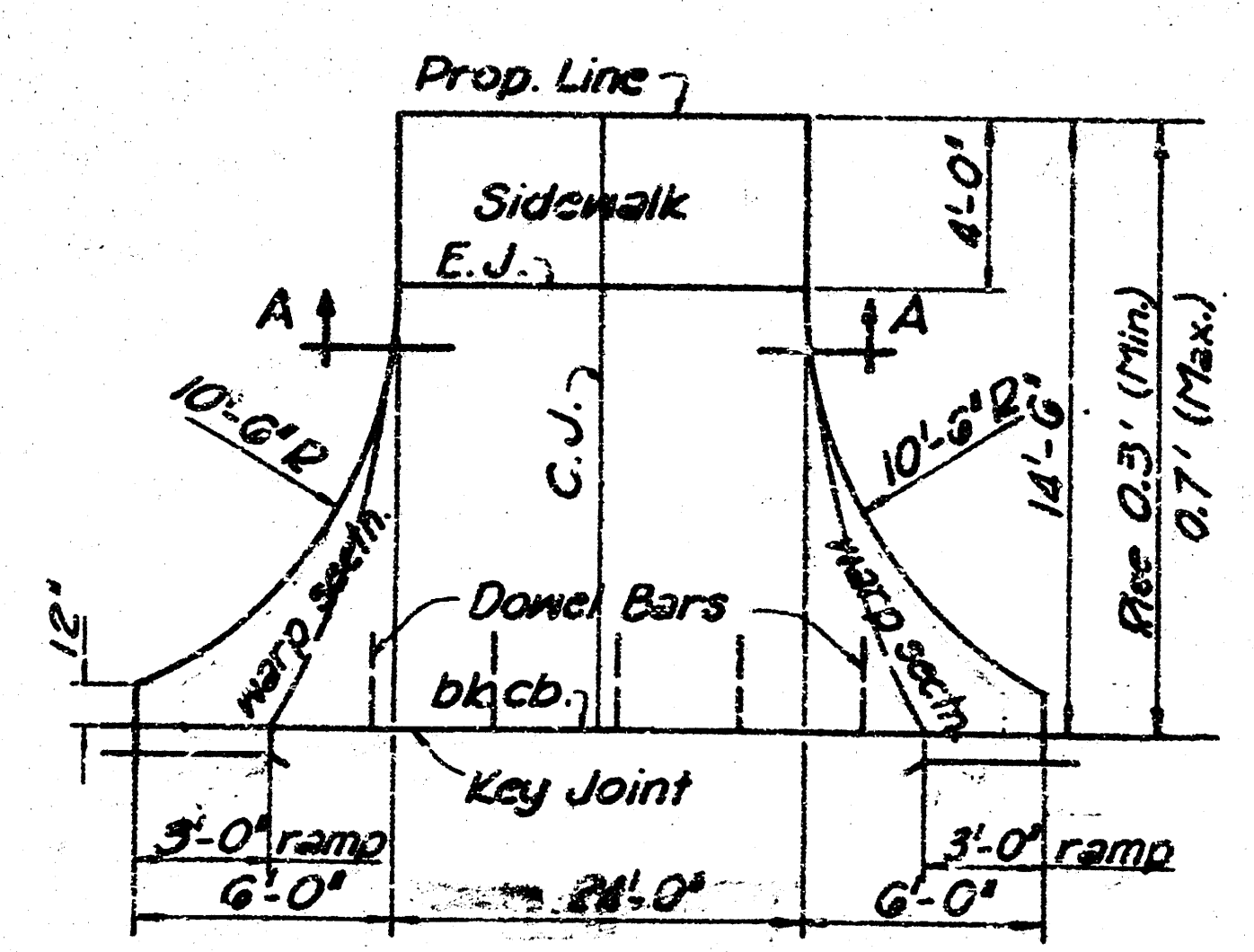
THE RAMP SHALL BE EITHER BORDERED ON BOTH SIDES AND THE CURB LINED WITH A FOUR-INCH WIDE YELLOW STRIPE, OR THE SURFACE TREATMENT ON RAMP SHALL HAVE INTEGRAL COLORATION.



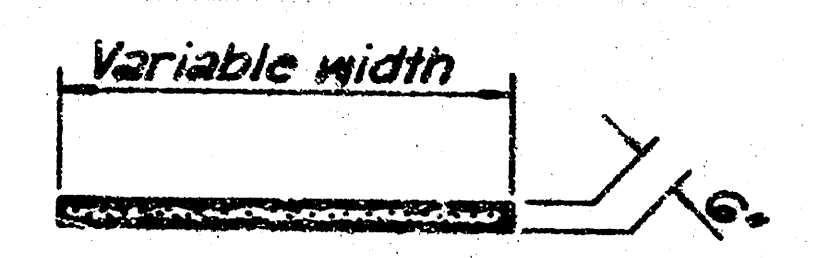
SECTION THRU RAMP



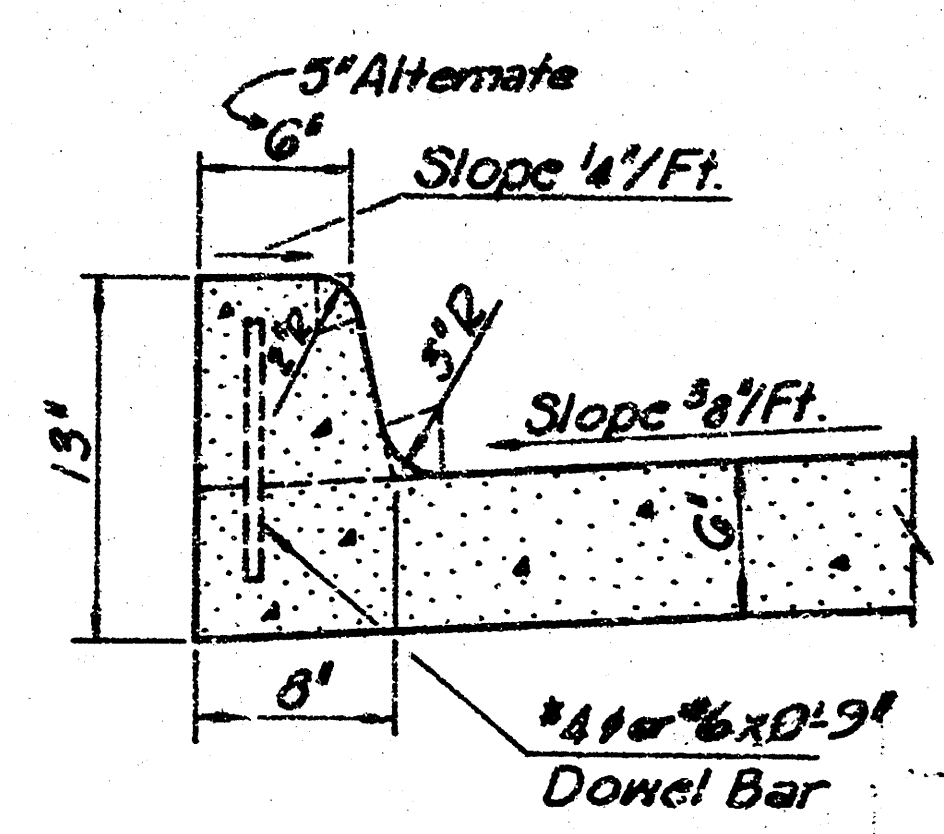
SIDEWALK DETAILS



ENTRANCE DRIVE DETAIL



SECTION A-A



TYPICAL SECTION INTEGRAL CURB

NOTE: Block out paving for full depth curb at all entrances and sidewalk ramps.

TAMARAC DEVELOPMENT CO. INC. WICHITA, SEDGWICK COUNTY, KANSAS	
PINWOOD ESTATES PAVEMENT & RAMP DETAIL	
DELAMATER, FRIEND & SCHNEPP, P.A. ENGINEERS & ARCHITECTS WICHITA, KANSAS	
DATE April 6, 1978 February 21, 1978	SCALE 10-10-77

NOTE:
For Continuations
See Paving Plan II.

Δ = 30° R = 67.00' T = 12.89' L = 34.97' LC = 34.57'

CURVE DATA BASED ON 67.00' RAD. Δ = 30°

STA.	ARC.	CHORD LENGTH	CHORD BEARING	TOTAL	DEFLECTION
43+00	0.00	0.00	0°00'00"	0.00	0°00'00"
43+15	15.00	13.25	8°15'18"	13.25	8°15'18"
43+30	30.00	26.50	16°30'36"	26.50	16°30'36"
43+45	45.00	39.75	24°45'54"	39.75	24°45'54"
43+60	60.00	53.00	33°01'12"	53.00	33°01'12"
43+75	75.00	66.25	41°16'30"	66.25	41°16'30"
43+90	90.00	79.50	49°31'48"	79.50	49°31'48"
44+00	100.00	86.60	54°00'00"	86.60	54°00'00"

Δ = 30° R = 67.00' T = 12.89' L = 34.97' LC = 34.57'

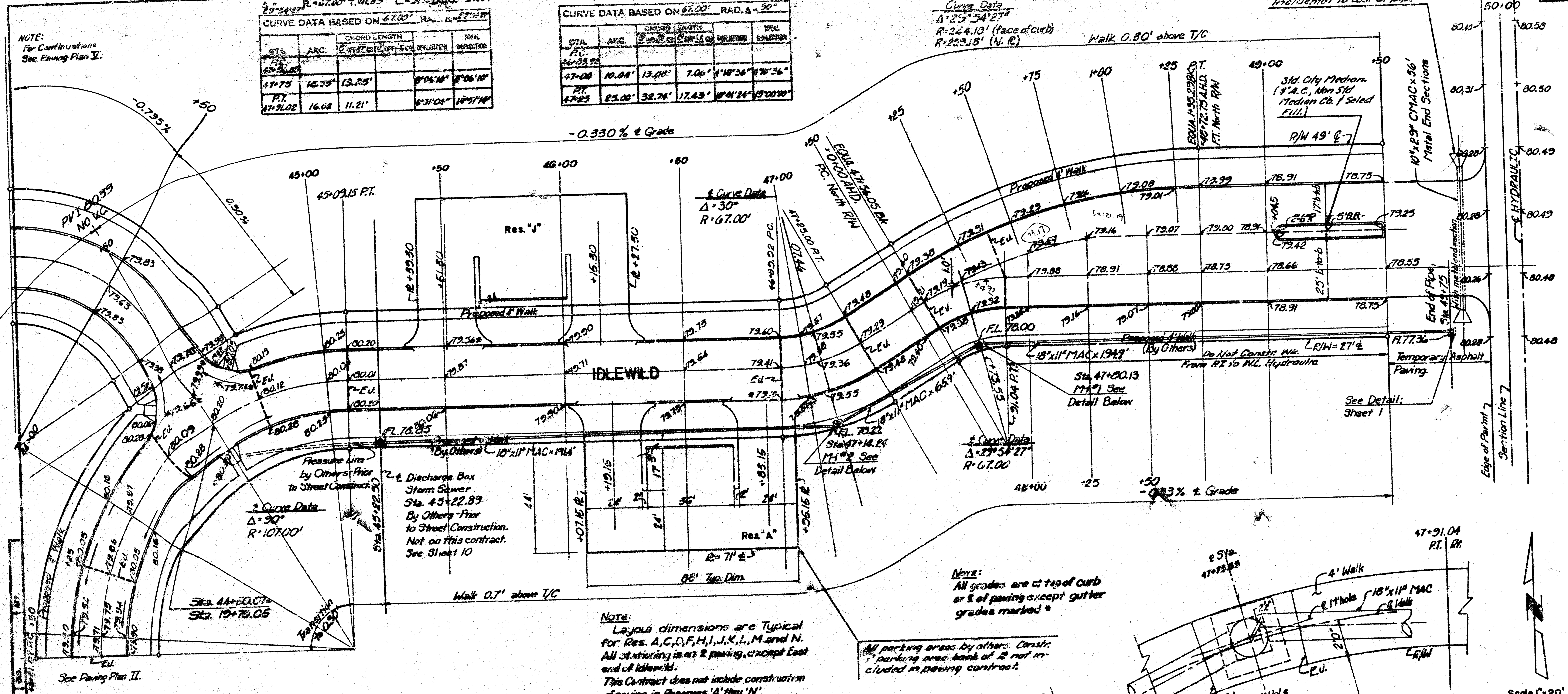
CURVE DATA BASED ON 67.00' RAD. Δ = 30°

STA.	ARC.	CHORD LENGTH	CHORD BEARING	TOTAL	DEFLECTION
43+00	0.00	0.00	0°00'00"	0.00	0°00'00"
43+15	15.00	13.25	8°15'18"	13.25	8°15'18"
43+30	30.00	26.50	16°30'36"	26.50	16°30'36"
43+45	45.00	39.75	24°45'54"	39.75	24°45'54"
43+60	60.00	53.00	33°01'12"	53.00	33°01'12"
43+75	75.00	66.25	41°16'30"	66.25	41°16'30"
43+90	90.00	79.50	49°31'48"	79.50	49°31'48"
44+00	100.00	86.60	54°00'00"	86.60	54°00'00"

Curve Data
Δ = 25° 54' 27"
R = 244.13' (face of curb)
R = 253.18' (N.E.)

End sections considered
incidental to cost of pipe

3	10
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Δ = 30° R = 100.00' T = 10.00' L = 16.00' LC = 16.00'

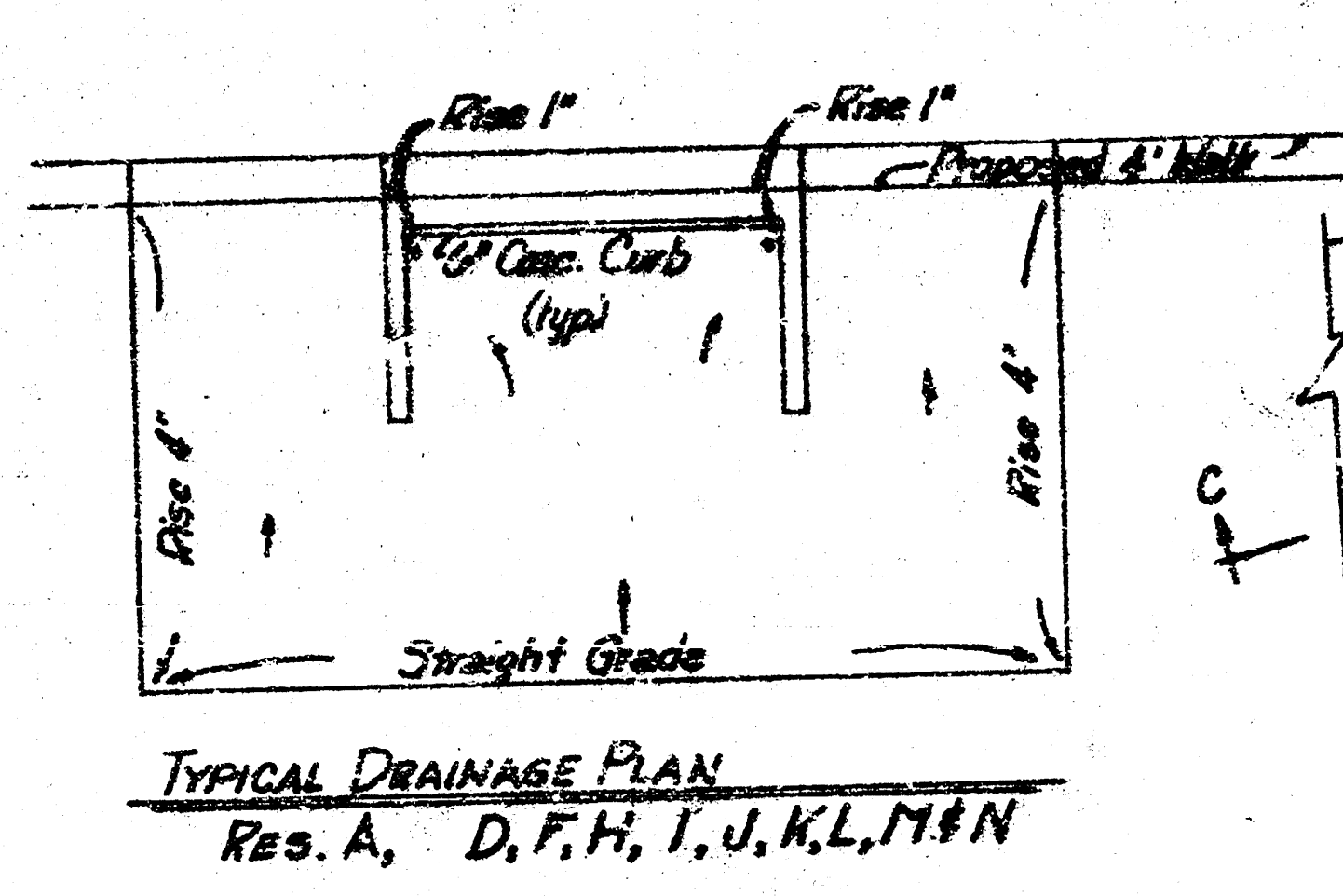
CURVE DATA BASED ON 100.00' RAD. Δ = 30°

STA.	ARC.	CHORD LENGTH	CHORD BEARING	TOTAL	DEFLECTION
43+00	0.00	0.00	0°00'00"	0.00	0°00'00"
43+15	15.00	10.60	8°15'18"	10.60	8°15'18"
43+30	30.00	21.20	16°30'36"	21.20	16°30'36"
43+45	45.00	31.80	24°45'54"	31.80	24°45'54"
43+60	60.00	42.40	33°01'12"	42.40	33°01'12"
43+75	75.00	53.00	41°16'30"	53.00	41°16'30"
43+90	90.00	63.60	49°31'48"	63.60	49°31'48"
44+00	100.00	74.20	54°00'00"	74.20	54°00'00"

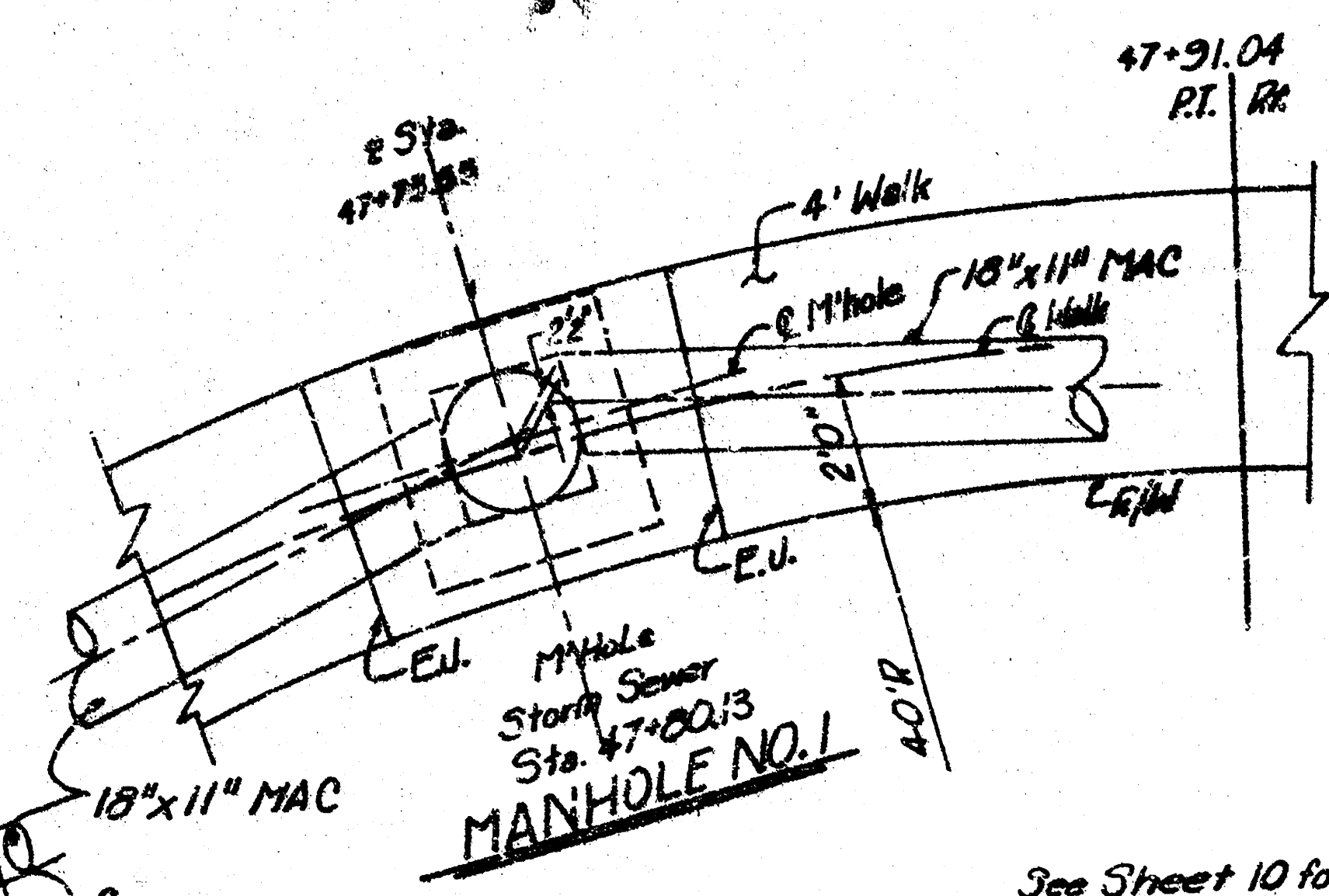
Δ = 30° R = 100.00' T = 10.00' L = 16.00' LC = 16.00'

CURVE DATA BASED ON 100.00' RAD. Δ = 30°

STA.	ARC.	CHORD LENGTH	CHORD BEARING	TOTAL	DEFLECTION
43+00	0.00	0.00	0°00'00"	0.00	0°00'00"
43+15	15.00	10.60	8°15'18"	10.60	8°15'18"
43+30	30.00	21.20	16°30'36"	21.20	16°30'36"
43+45	45.00	31.80	24°45'54"	31.80	24°45'54"
43+60	60.00	42.40	33°01'12"	42.40	33°01'12"
43+75	75.00	53.00	41°16'30"	53.00	41°16'30"
43+90	90.00	63.60	49°31'48"	63.60	49°31'48"
44+00	100.00	74.20	54°00'00"	74.20	54°00'00"



NOTE:
All grades are at tip of curb
or E of paving except gutter
grades marked *



See Sheet 10 for manhole details on Storm
Sewer.
See Sheet 10 for details of discharge box
to storm sewer.
See Sheet 2 for pavement details.
See Sheet 8 and 9 for Inlet details.
See Sheet 1 for Storm Sewer Profile.

SUB-GRADE
Type of sub-grade treatment shall be de-
termined by the field engineer. Sub-grade
treatment may consist of lime treatment,
cement treatment, sub-grade modification,
or any combination of these.

Notes to Field Engineer & Contractor
Grade parking and clear right-of-way for
proposed side walk. Compact fill in sidewalk
area. Subgrade to be constructed by
Owner.
April 7, 1978 - April 6, 1978 - February 21, 1978

JASLAC DEVELOPMENT CO., INC.
WICHITA, SEDGWICK COUNTY, KANSAS

PINEWOOD ESTATES

PAVEMENT PLAN I

RELAMATED, FERRIS & SCHNEIDER, P.A.
ENGINEERS & ARCHITECTS
WICHITA, KANSAS

October 1977

NOTE: Cross sections to be taken on all streets before construction
begins. Sections will be used to determine earthwork quantities
for payment

[illegible]

TAMARAC DEVELOPMENT CO. INC.
WICHITA, SEDGWICK COUNTY, KANSAS

PINEWOOD ESTATES

PAVEMENT PLAN II

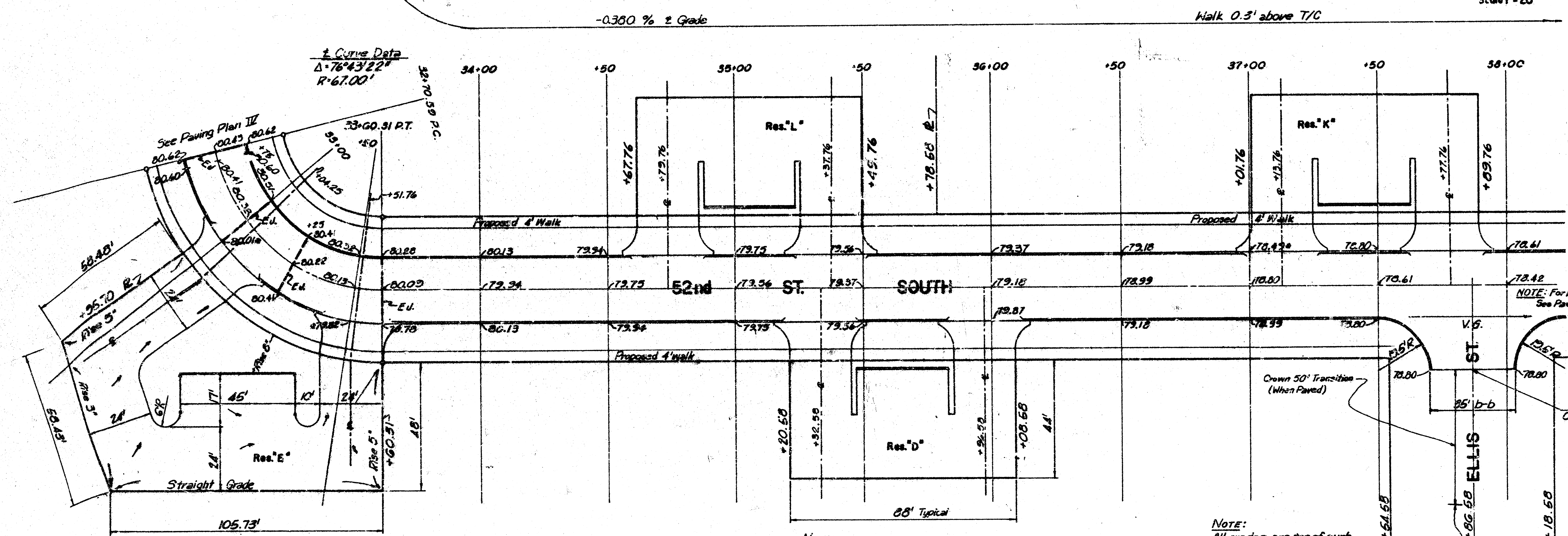
RELAMETER, FREUND & SCHIERER, P.A.
ENGINEERS & ARCHITECTS
WICHITA, KANSAS

October, 1977

384-0305

April 7, 1978
April 6, 1978
February 21, 1978

SHEET NO.	TOTAL SHEETS
5	10



Δ = 76°43'22" R = 67.00' T = 53.03' L = 83.72' LC = 83.16'

CURVE DATA BASED ON 67.00' RAD. Δ = 76°43'22"

STA.	ARC.	CHORD LENGTH	OFF SET TO CHORD	DEFLECTION	TOTAL DEFLECTION
34+00	0.00	0.00	0.00	0.00	0.00
34+75	4.41	5.73	3.05	1°33'00"	1°33'00"
35+00	25.00	32.87	17.44	1°44'11"	3°17'11"
35+25	4.25	5.49	3.05	1°43'02"	4°59'13"
35+50	20.75	26.78	17.44	1°44'11"	6°43'24"
35+75	4.25	5.49	3.05	1°43'02"	8°26'26"
36+00	25.00	32.87	17.44	1°44'11"	10°10'37"
36+25	4.25	5.49	3.05	1°43'02"	11°53'39"
36+50	20.75	26.78	17.44	1°44'11"	13°37'50"
36+75	4.25	5.49	3.05	1°43'02"	15°20'52"
37+00	0.00	0.00	0.00	0.00	15°20'52"

NOTE:
Res. 'D', 'K' and 'L' see
Sheet No. 3 for Layout
dimensions and grades.

NOTE:
All grades are top of curb
or 8' paving except gutter
grades marked *.

TAMARAC DEVELOPMENT CO. INC.
WICHITA, SEDGWICK COUNTY, KANSAS

PINEWOOD ESTATES

PAVEMENT PLAN III

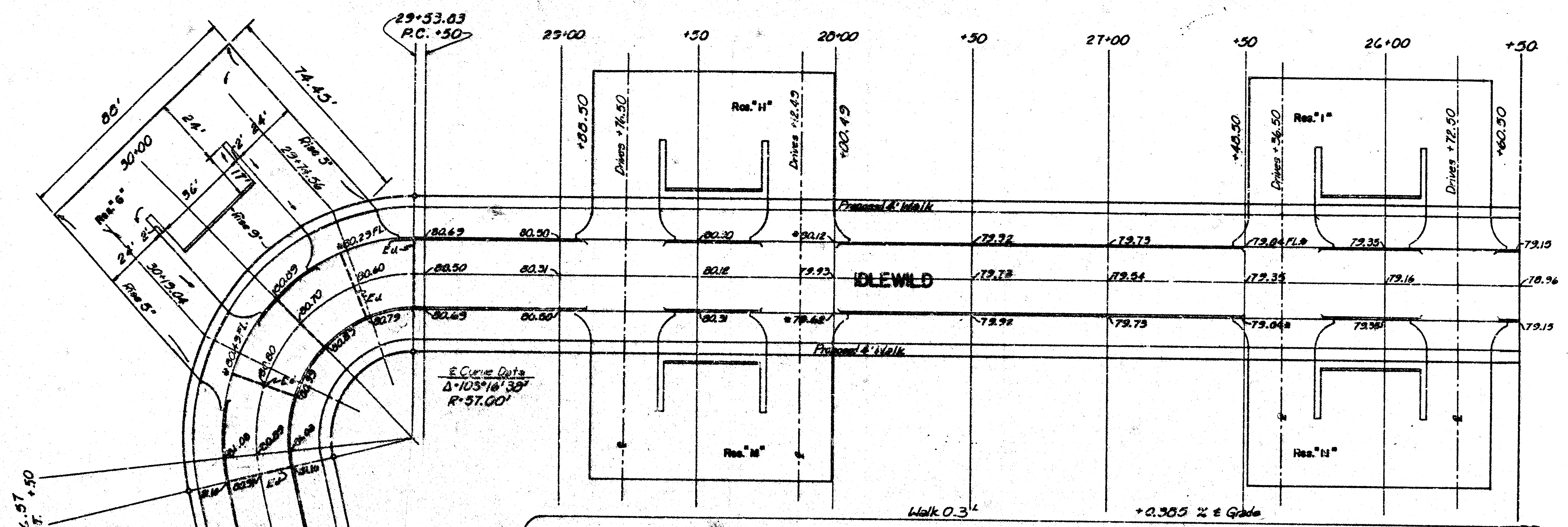
DELMATER, FRANK & SCHMIDT, P.A.
ENGINEERS & ARCHITECTS
WICHITA, KANSAS

April 4, 1978
February 21, 1978

October 1977

354-C-204

PG.	TOTAL
6	10

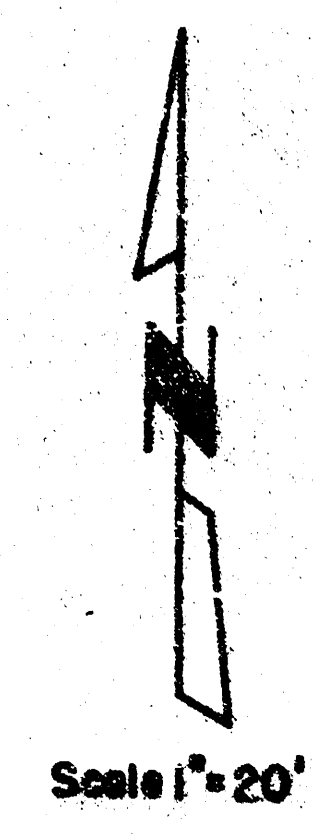


Δ = 103°18'30" P.C. = 29+53.83 T.C. = 30+56.57 L.C. = 31+59.27

CURVE DATA BASED ON 57.00' RAD. Δ = 103°18'30"

ST. L.	ARC	CHORD	CHORD BEARING	TRAIL
29+53.83	0.00'	0.00'	0°00'00"	0.00'
30+56.57	103.30'	57.00'	103°18'30"	57.00'
31+59.27	0.00'	0.00'	0°00'00"	0.00'

Note:
All grades are top of curb
or 6 paving except
gutter grades marked it.



NOTE:
Reserves 'F', 'H', 'I', 'T', 'N',
see Sheet 3 for layout
dimensions and grades.

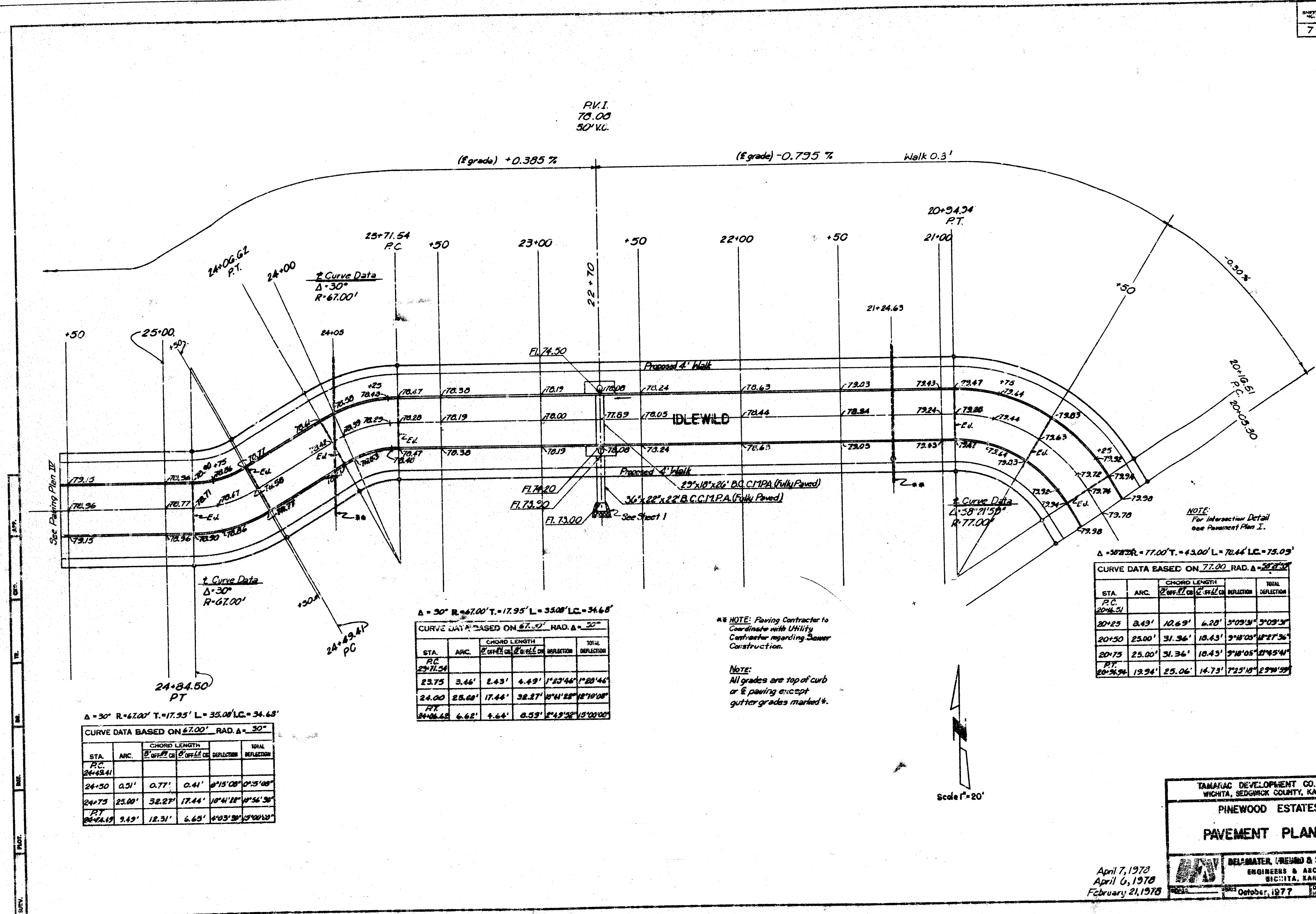
TAMARAC DEVELOPMENT CO., INC.
WICHITA, SEDGWICK COUNTY, KANSAS

PINEWOOD ESTATES

PAVEMENT PLAN IV

DESIGNED BY: [Signature]
ENGINEER & ARCHITECT
WICHITA, KANSAS
October, 1977

April 6, 1978
February 21, 1978



Δ = 30° R = 67.00' T = 17.95' L = 35.08' LC = 34.68'

CURVE DATA BASED ON 67.00' RAD. Δ = 30°

STA.	ARC.	CHORD LENGTH	CHORD BEARING	DEFLECTION	TOTAL DEFLECTION
P.C.					
24+43.41					
24+50	0.51'	0.77'	0.41'	0°15'08"	0°15'08"
24+75	25.00'	32.27'	17.44'	10°41'28"	10°56'36"
P.T.					
24+66.45	9.49'	12.31'	6.65'	4°03'30"	15°00'00"

Δ = 30° R = 67.00' T = 17.95' L = 35.08' LC = 34.68'

CURVE DATA BASED ON 67.00' RAD. Δ = 30°

STA.	ARC.	CHORD LENGTH	CHORD BEARING	DEFLECTION	TOTAL DEFLECTION
P.C.					
23+71.54					
23.75	5.46'	2.43'	4.49'	1°23'46"	1°23'46"
24.00	25.00'	17.44'	32.27'	10°41'28"	12°05'14"
P.T.					
24+06.45	6.62'	4.64'	8.59'	2°49'52"	15°00'00"

Δ = 38°21'50" R = 77.00' T = 43.00' L = 78.44' LC = 75.09'

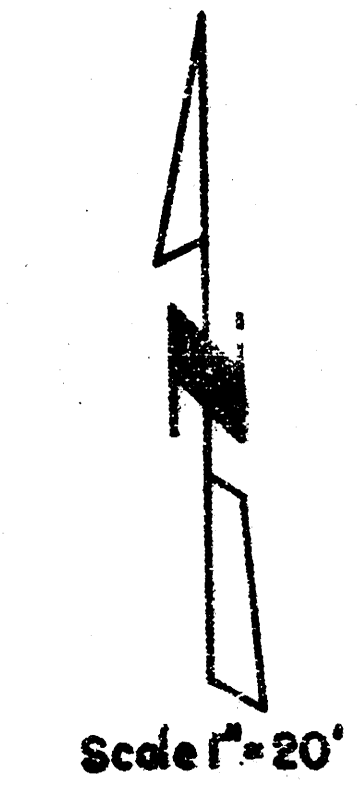
CURVE DATA BASED ON 77.00' RAD. Δ = 38°21'50"

STA.	ARC.	CHORD LENGTH	CHORD BEARING	DEFLECTION	TOTAL DEFLECTION
P.C.					
20+16.51					
20+25	8.43'	10.69'	6.20'	5°09'31"	5°09'31"
20+50	25.00'	31.36'	18.43'	9°18'05"	14°27'36"
20+75	25.00'	31.36'	18.43'	9°18'05"	23°45'41"
P.T.					
20+36.94	19.94'	25.06'	14.73'	7°25'10"	23°10'59"

NOTE: Paving Contractor to Coordinate with Utility Contractor regarding Sewer Construction.

NOTE: All grades are top of curb or 6' paving except gutter grades marked *.

NOTE: For Intersection Detail see Pavement Plan I.



TAMARAC DEVELOPMENT CO., INC.
WICHITA, SEDGWICK COUNTY, KANSAS

PINEWOOD ESTATES

PAVEMENT PLAN V

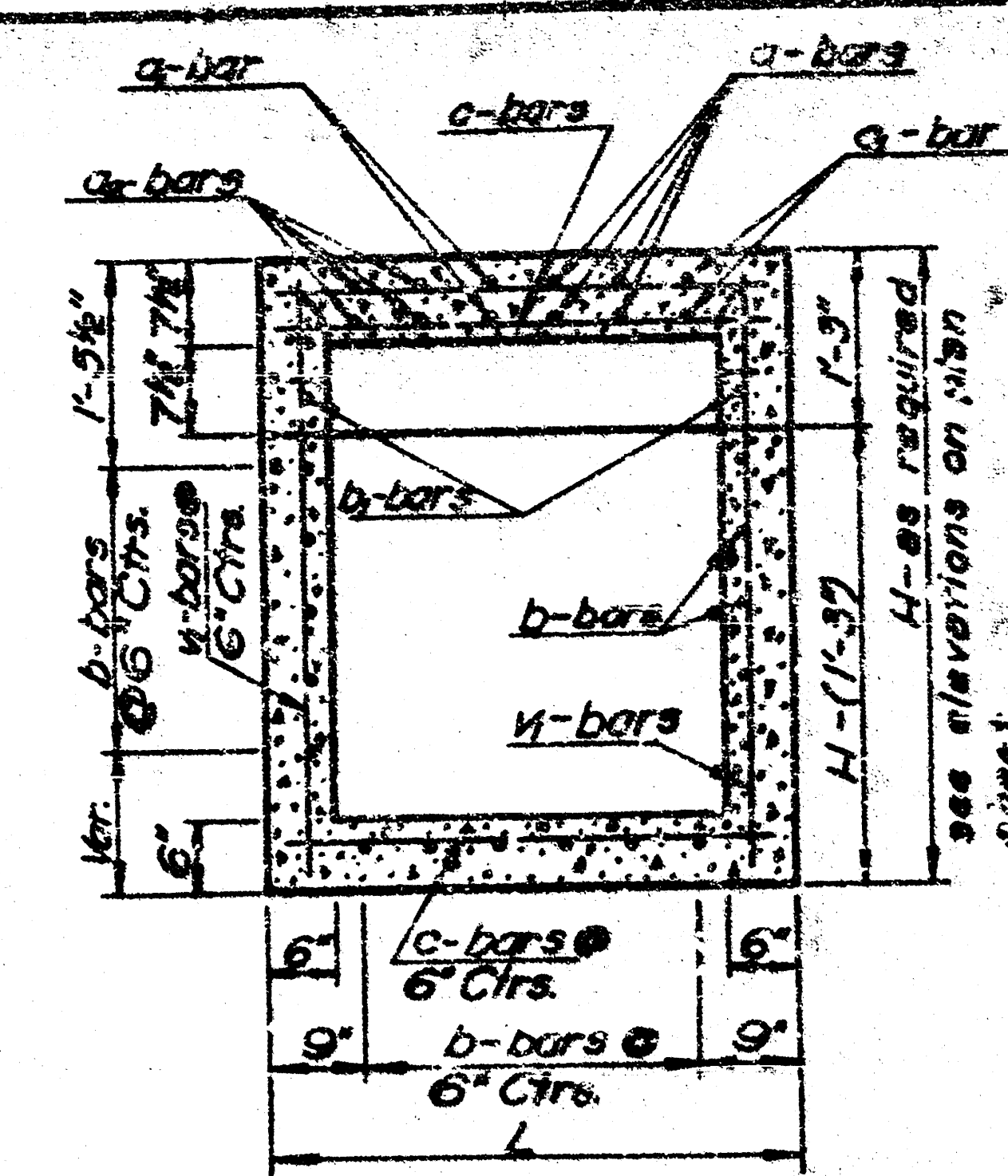
DELMATER, (FRED & SCHERER, P.A.)
ENGINEERS & ARCHITECTS
WICHITA, KANSAS

April 7, 1978
April 6, 1978
February 21, 1978

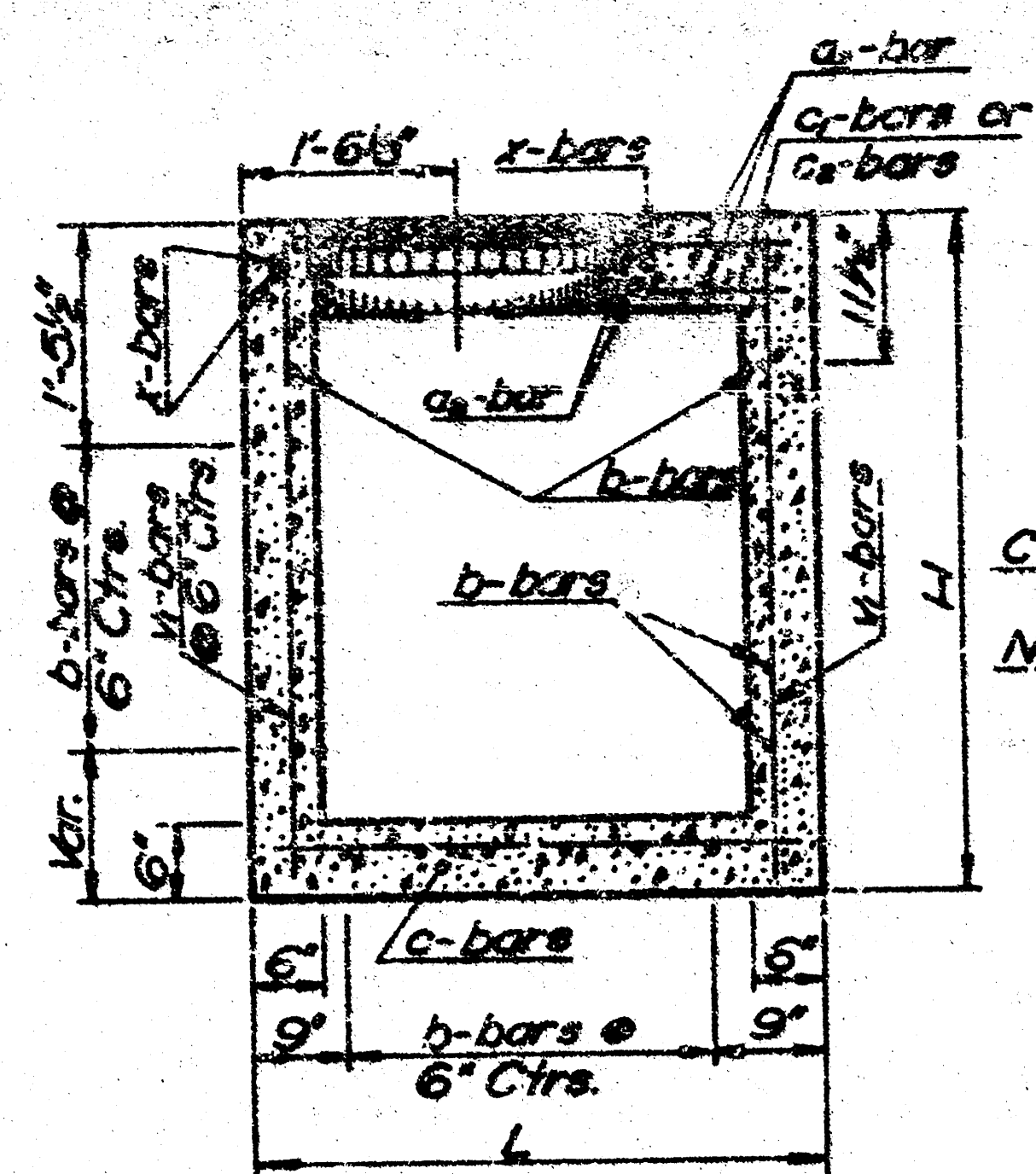
October, 1977

354-C-276

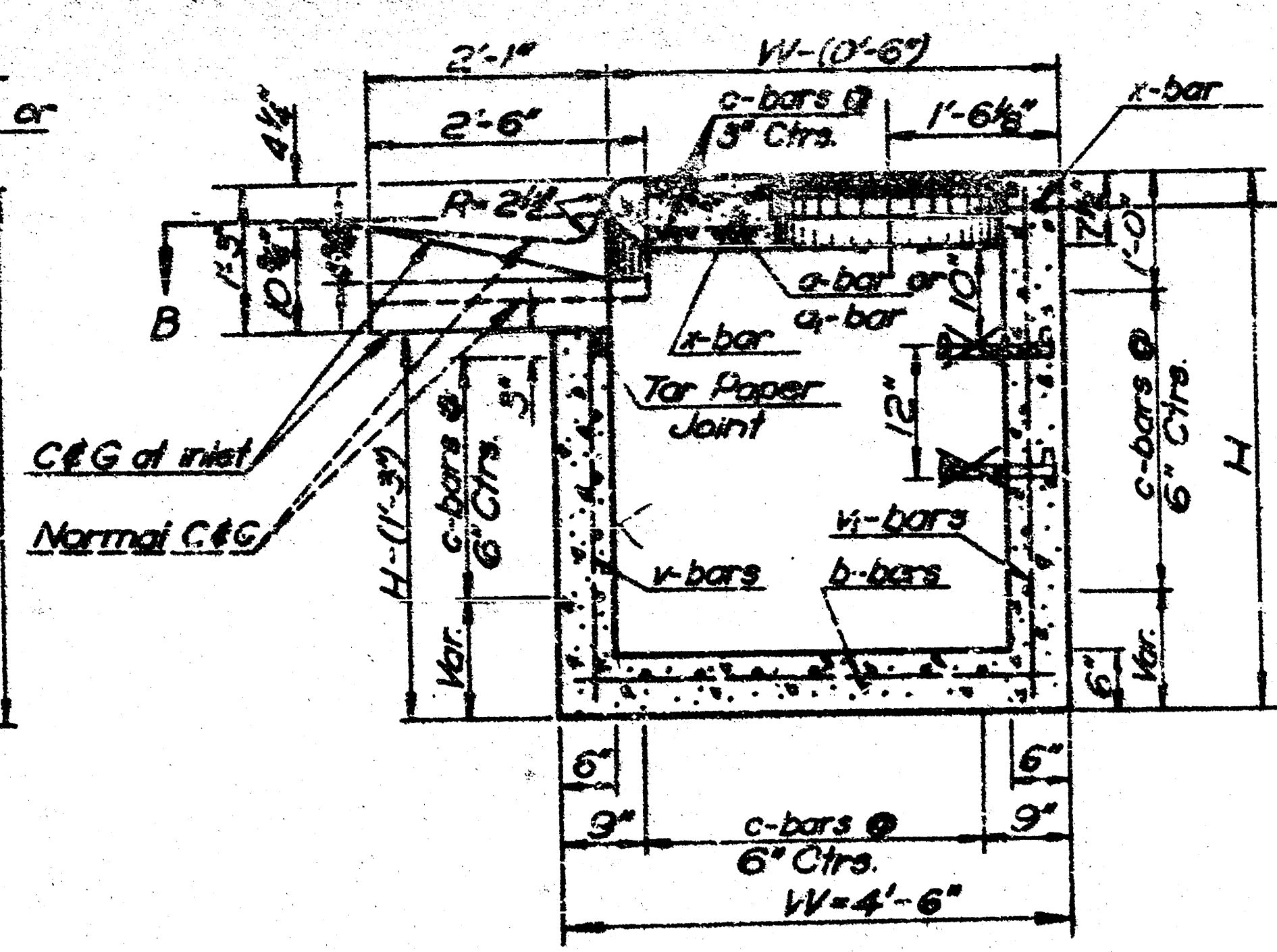
PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	1978	8	10



SECTION D-D



SECTION C-C



SECTION A-A

Note:
Use Class A Concrete throughout.
All exposed edges shall be finished with an edging tool.
Reinforcing bars shall be bent around pipe.

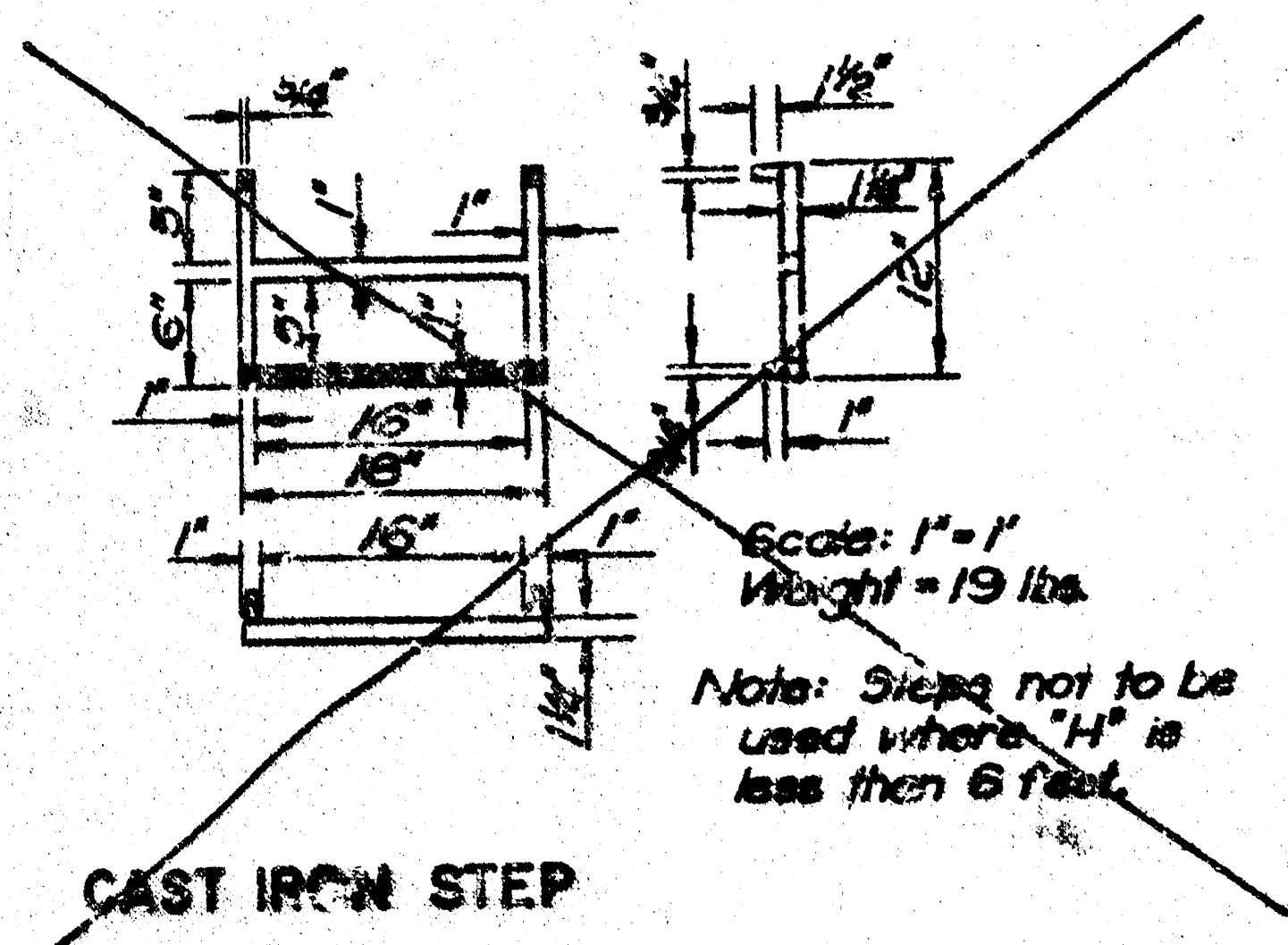
At the contractor's option Class A Concrete (AE) or mix used in Conc. Pvt. may be used throughout.

When so ordered by the Engineer, the top of the inlet shall be sloped slightly to approximately fit the ground line or other conditions.

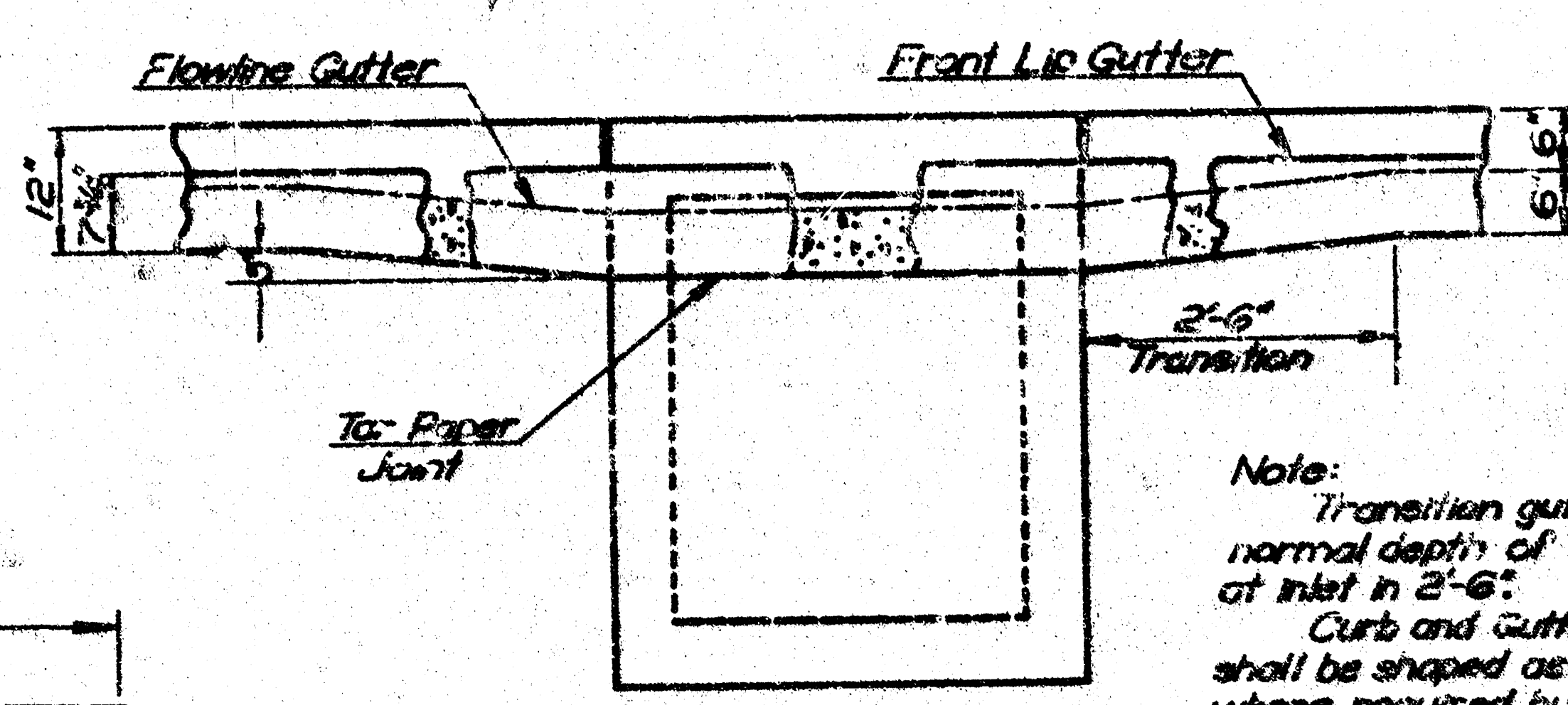
All exposed cast iron surfaces shall be painted either in the shop or in the field with one coat of a zinc dust paint, followed by two field coats of aluminum paint.

Manhole rings and covers may be as detailed on this sheet, or at the contractor's option may be City of Wichita Standard, as detailed on sheet 9.

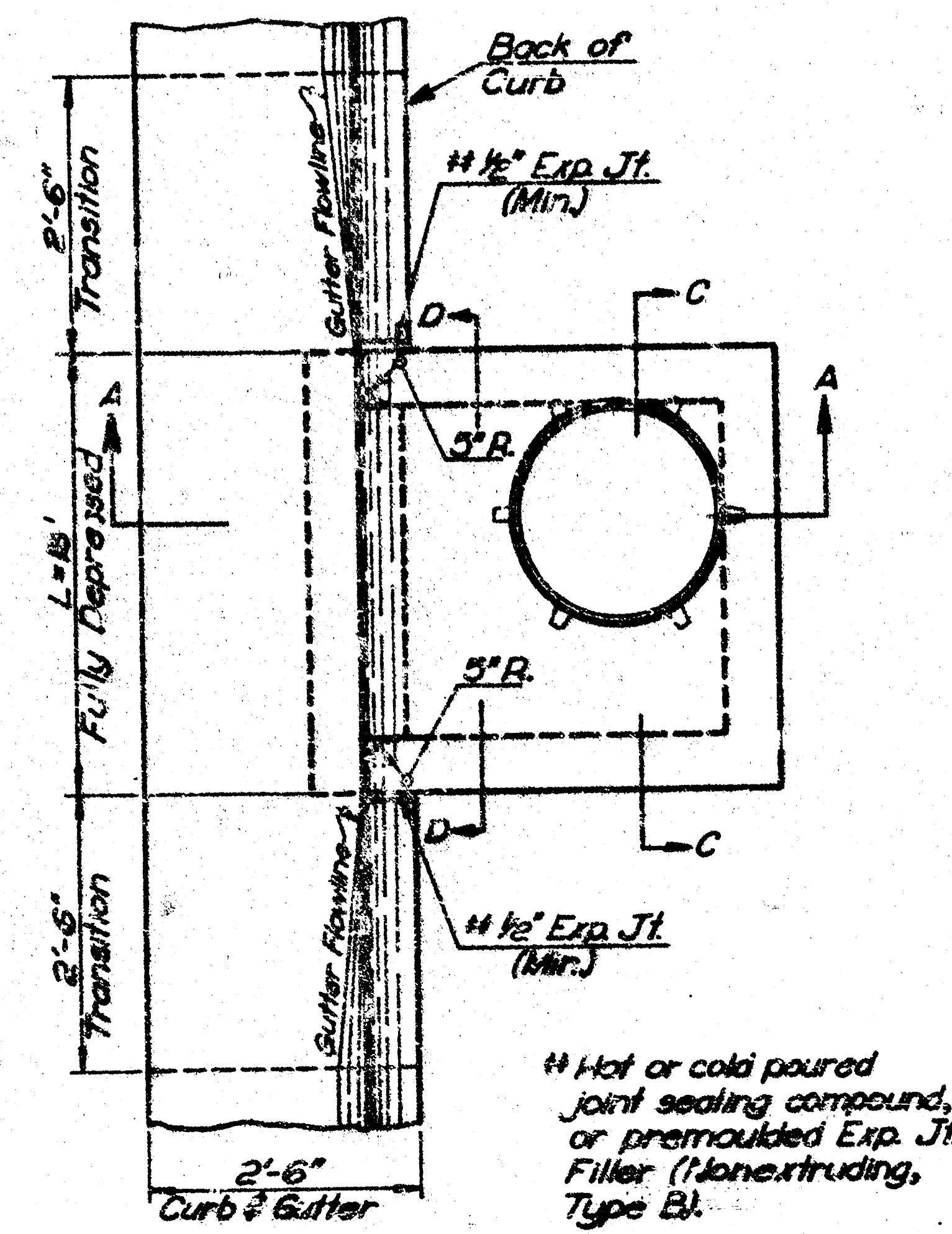
All bars are #4 bars @ 6" spacing and shall have a minimum clearance of 1 1/2" unless otherwise noted on the plans.



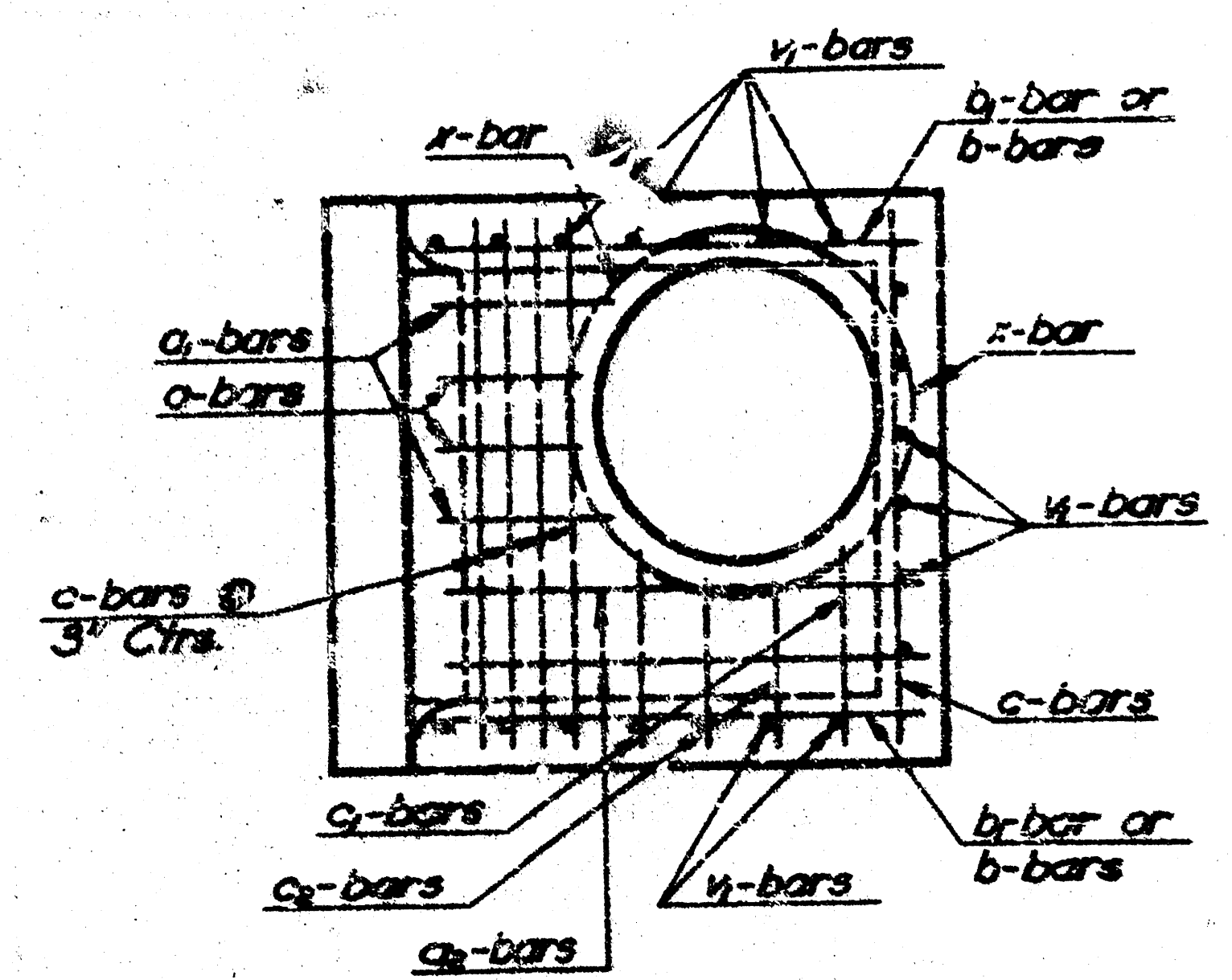
CAST IRON STEP



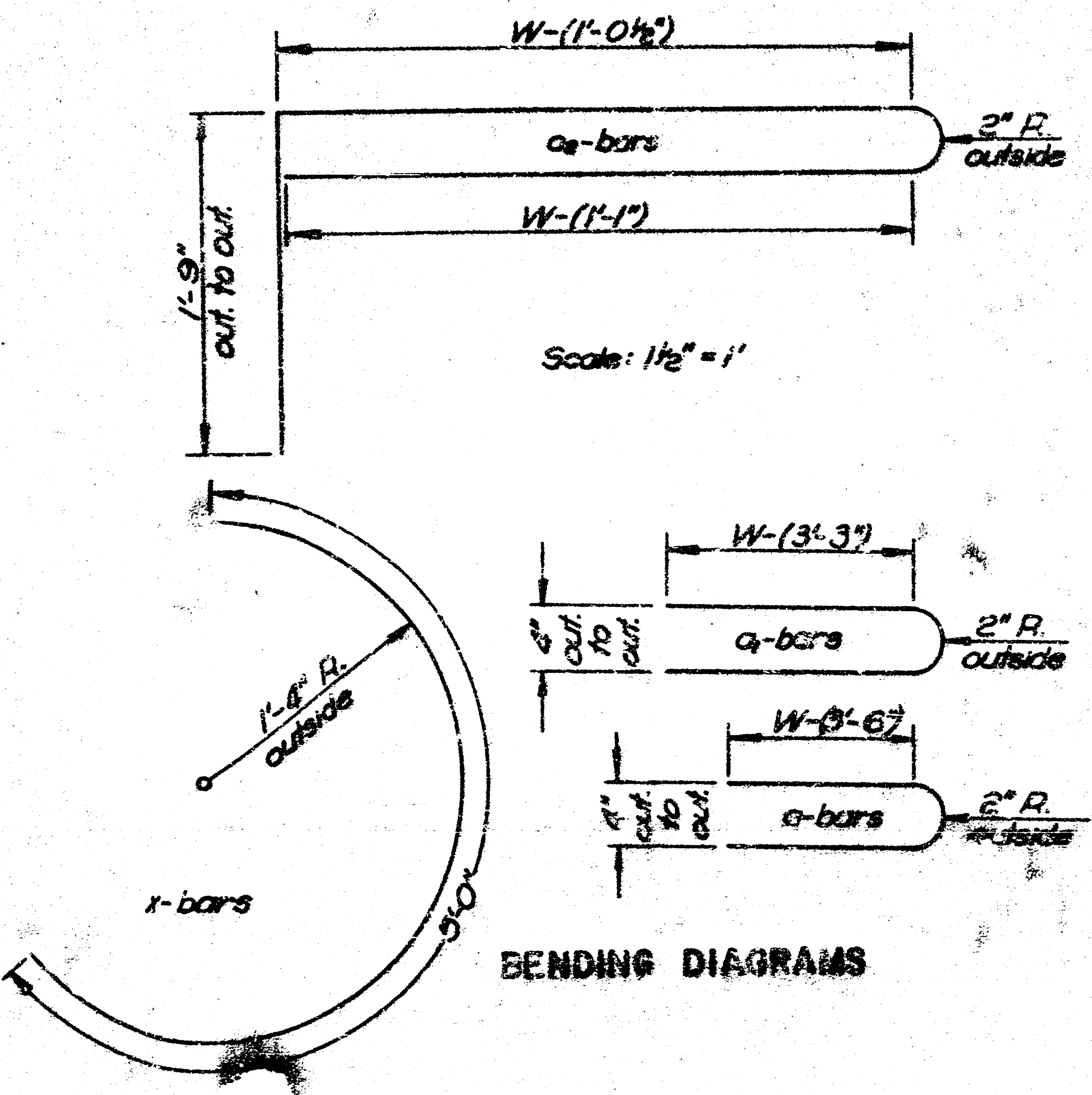
Note:
Transition gutter from normal depth of 6" to 9" at inlet in 2'-6".
Curb and gutter sections shall be shaped as shown where required by the installation of curb inlets. This work will be subsidiary to other bid items.



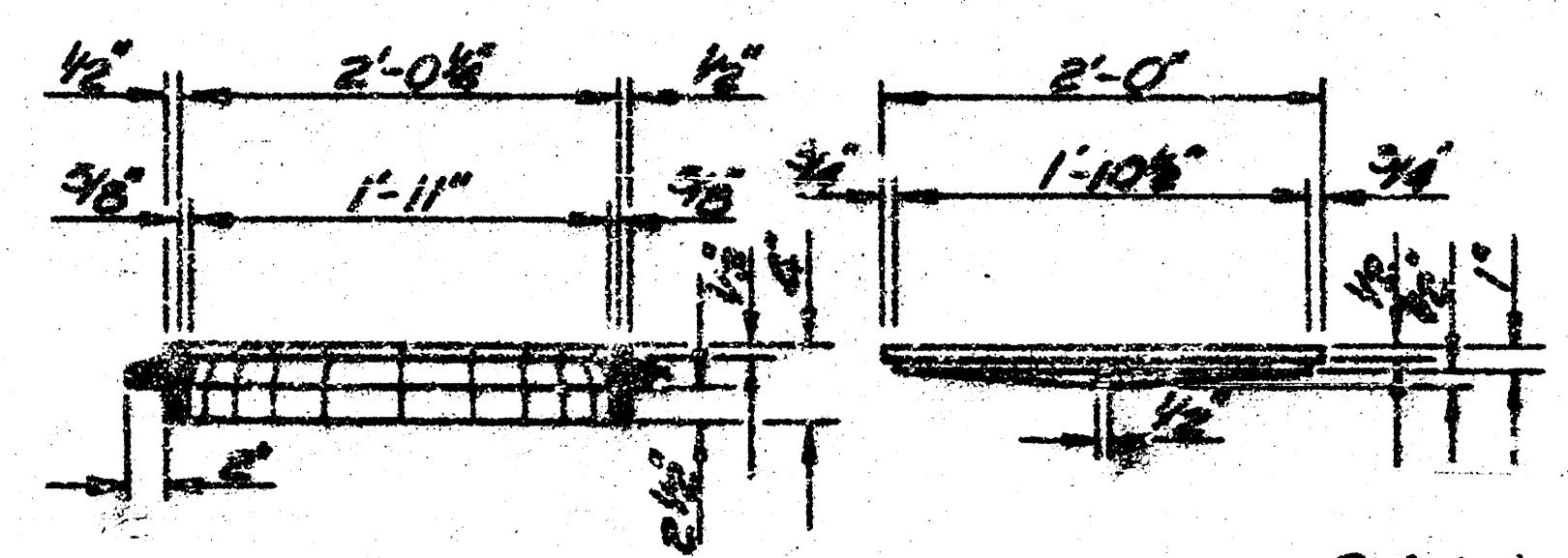
PLAN



SECTION B-B



BENDING DIAGRAMS



TYPE C

CAST IRON MANHOLE RING
Weight = 33 Lbs.

CAST IRON MANHOLE COVER
Weight = 64 Lbs.

LIGHT TYPE MANHOLE COVER & RING

Quantities (for information only):
Class A Concrete 3.78 cu. yds.
Reinforcing Steel 626 lbs.
Cast Iron 117 lbs.
Class III Excavation 14.45 cu. yds.

Note:
The weight of castings includes no allowance for fillets and overruns.
All castings shall be gray iron and shall comply with ASTM A-48 Class 20 3.

KANSAS DEPARTMENT OF TRANSPORTATION			
TYPE 22 CURB INLET			
STD. NO. 646			
June 27, 1974			
NO.	DATE	REVISION	BY
1	12-1-75	Revised per Kansas Dept. of Transportation	W.L.H. L.R.P.
2	12-1-75	Revised per Kansas Dept. of Transportation	W.L.H. L.R.P.
3	12-1-75	Revised per Kansas Dept. of Transportation	W.L.H. L.R.P.
4	12-1-75	Revised per Kansas Dept. of Transportation	W.L.H. L.R.P.
5	12-1-75	Revised per Kansas Dept. of Transportation	W.L.H. L.R.P.
6	12-1-75	Revised per Kansas Dept. of Transportation	W.L.H. L.R.P.
7	12-1-75	Revised per Kansas Dept. of Transportation	W.L.H. L.R.P.
8	12-1-75	Revised per Kansas Dept. of Transportation	W.L.H. L.R.P.
9	12-1-75	Revised per Kansas Dept. of Transportation	W.L.H. L.R.P.
10	12-1-75	Revised per Kansas Dept. of Transportation	W.L.H. L.R.P.

April 6, 1978

