

STREET IMPROVEMENTS FOR
BRUSH CREEK ADDITION
35TH STREET NORTH and 35TH STREET NORTH CIRCLE
From the E.L. Lot 31, Block 3 to and Including Cul-De-Sac

Project Number
472-76-245-81855-000-000-001

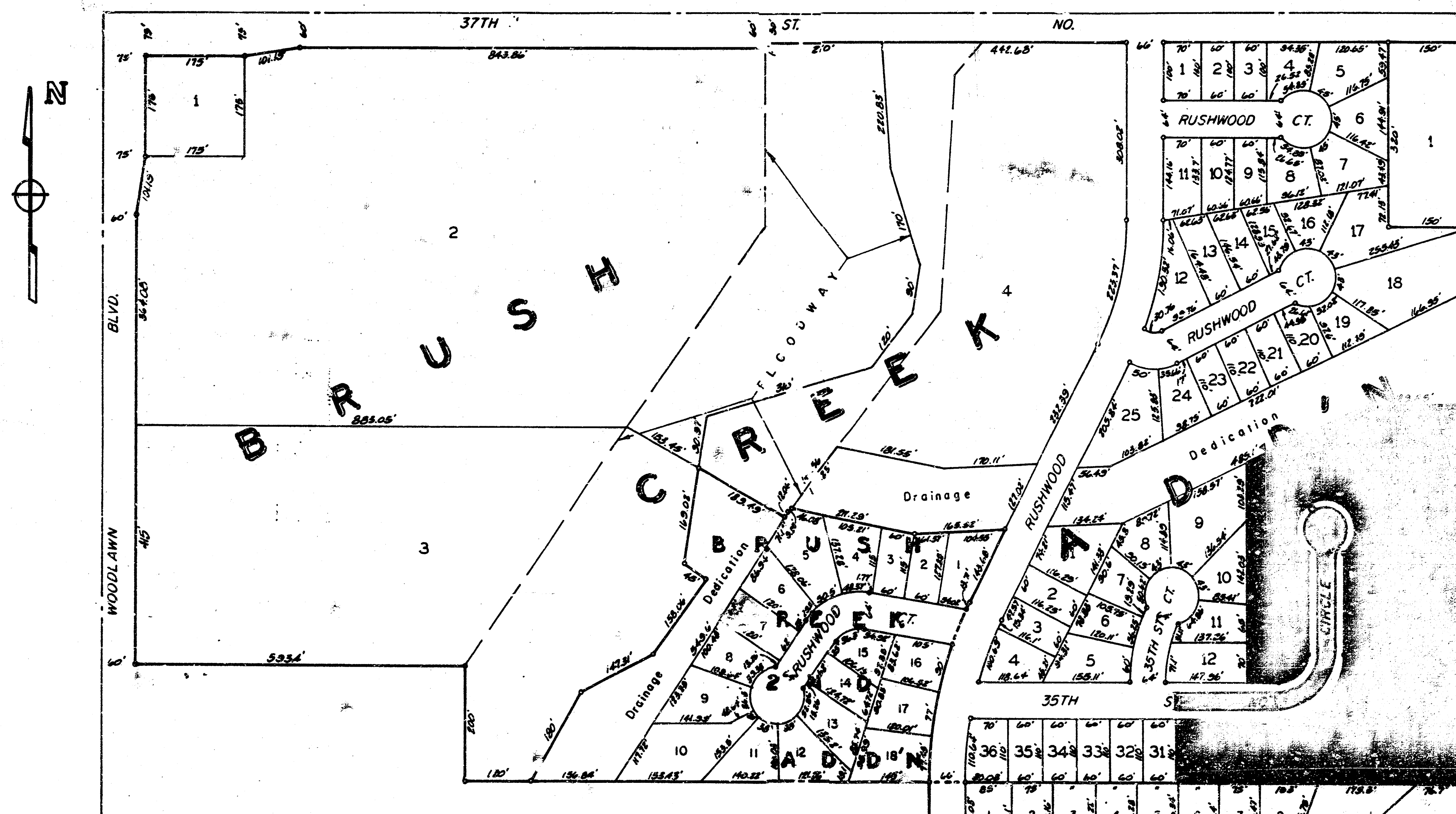
CITY OF WICHITA, KANSAS

Michael E. Lindebak - City Engineer

INDEX NO. 760090

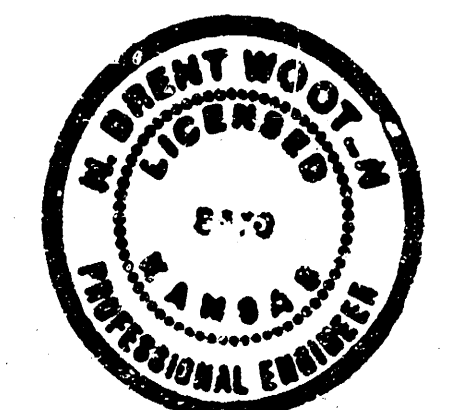
INDEX

1. TITLE SHEET
2. 35' PAVEMENT DETAIL
3. 35TH STREET NORTH
4. 35TH STREET NORTH CIRCLE
5. INCIDENTAL DRAINAGE
6. STANDARD 1A INLET DETAIL
- 7-8. EARTHWORK CROSS SECTIONS
9. Brush Creek Plot



GENERAL NOTES

1. Utility service lines, poles, valve boxes, meters, and etcetera are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. The contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.
2. No more than 7 drives 15 feet in width, or equivalent combinations thereof, are to be constructed with this project.
3. Contractor shall give property owners abutting this project, whose yards will be lower than the new finished grade elevations at the right-of-way line, an opportunity to utilize excess excavated material from the project to regrade their yards to drain to the new pavement. Contractor will be required to dump and spread the excess material as required by the specification when requested by the property owner. The Contractor shall ascertain that a dirt order form has been properly executed by the property owner before any such excess material is delivered to such properties.
4. The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor in accordance with state laws.



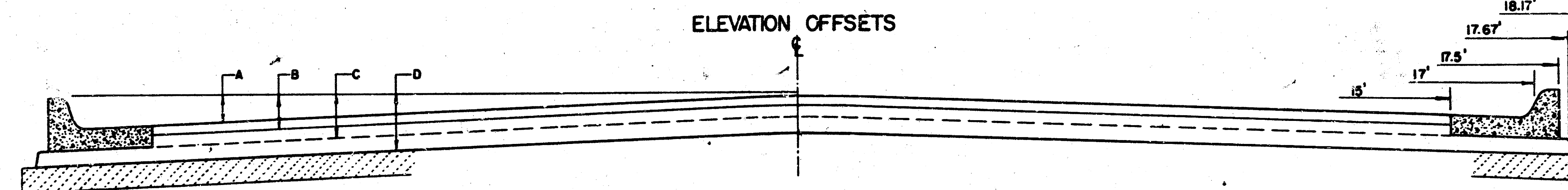
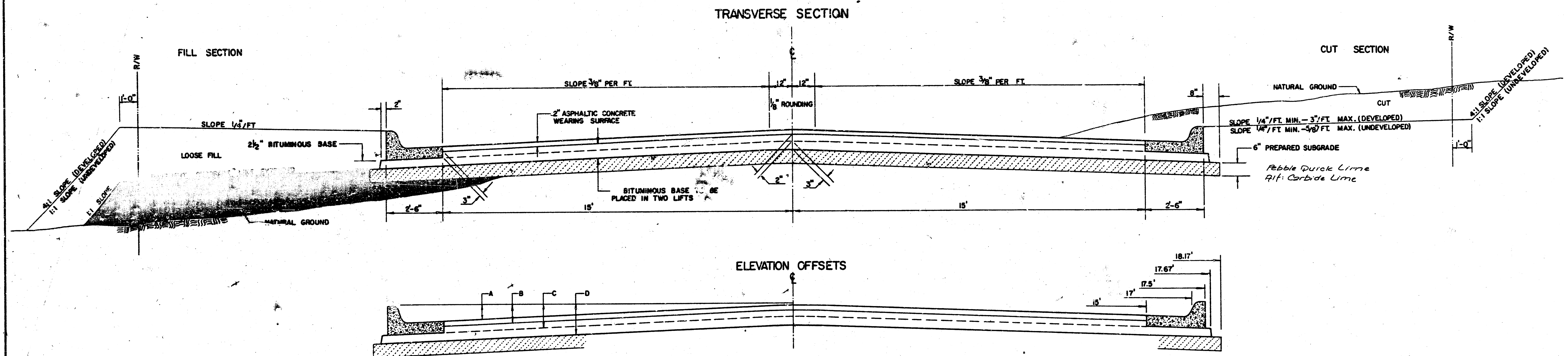
BENEFIT DISTRICT

SC 5190

BAUGHMAN COMPANY, P.A.
SURVEYING & ENGINEERING
316282-7271 • 315 ELLIS • WICHITA, KANSAS 67211

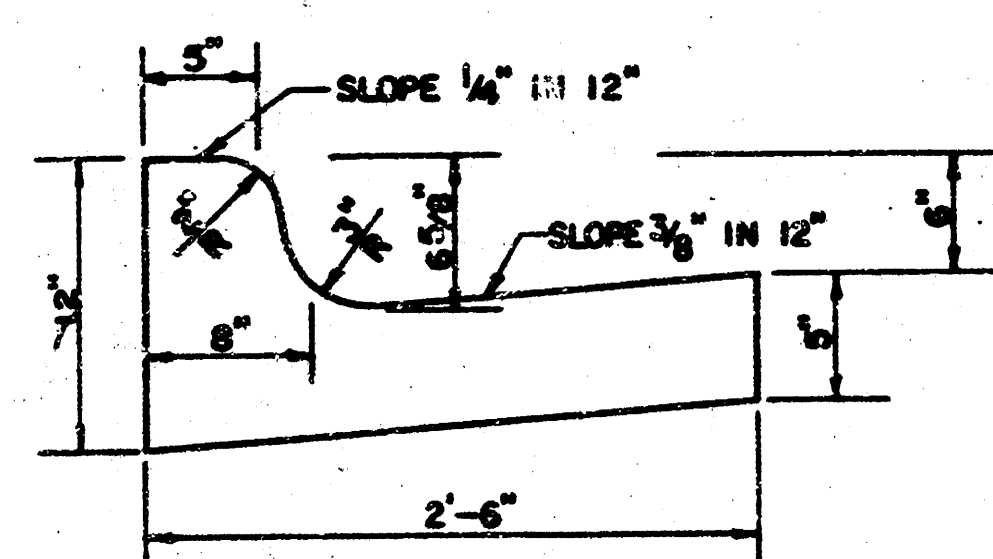
**FILMED FROM THE BEST
AVAILABLE COPY**

TYPICAL 35' PAVEMENT DETAILS

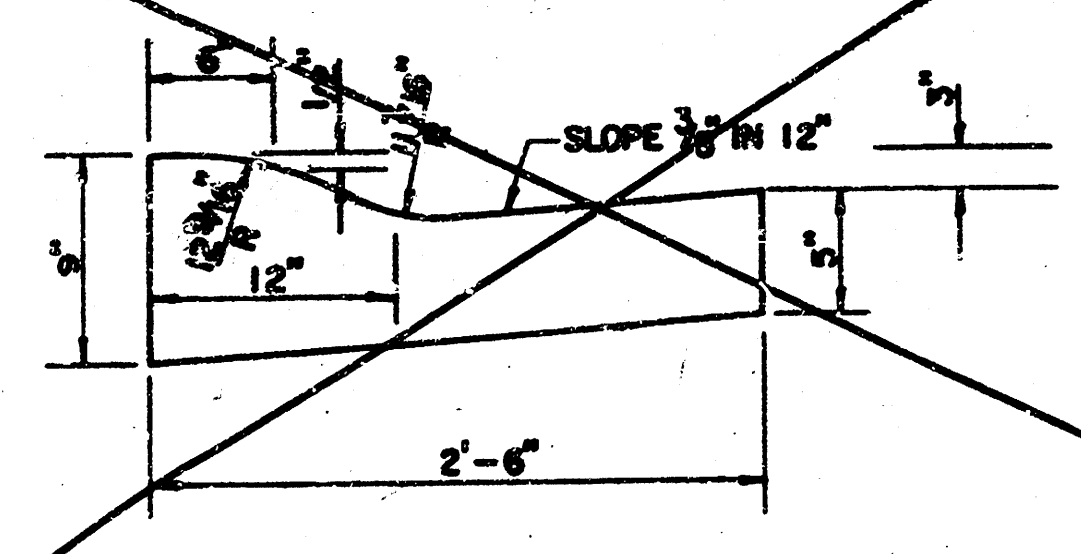


	DISTANCE FROM CENTERLINE (LT. & RT.)												
	0'	2'	4'	6'	8.5'	10'	12'	14'	15'	17'	17.5'	17.67'	18.17'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.04	0.08	0.14	0.21	0.29	0.33	0.38	0.46	0.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.21	0.25	0.31	0.37	0.45	0.50	0.56	0.62	0.65	—	—	—	—
C: TOP OF CURBS TO TOP OF LOWER BASE LIFT	0.37	0.43	0.50	0.57	0.67	0.72	0.79	0.87	0.90	0.98	1.00	1.00	—
D: TOP OF CURBS TO TOP OF SUBGRADE	0.62	0.67	0.74	0.81	0.90	0.95	1.02	1.08	1.12	1.19	1.21	1.21	1.23

COMBINED CURB & GUTTER



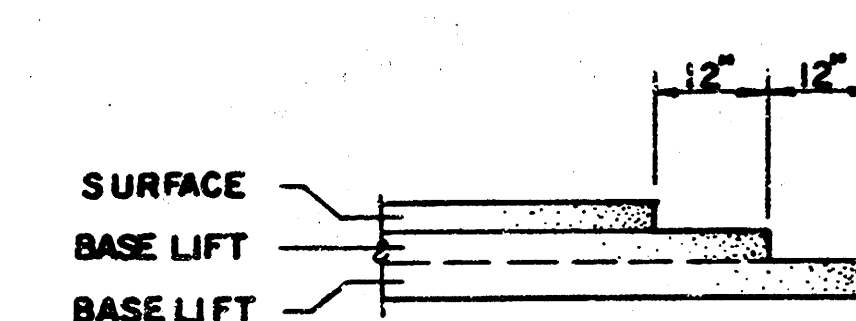
ROLL TYPE COMBINED CURB & GUTTER



GENERAL NOTES

- 1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).
- 2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 2 1/2" BITUMINOUS BASE.
- 3) A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.
- 4) BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.
- 5) CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF ONE (1) FOOT FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.
- 6) CONTRACTOR TO BID ONLY ONE SUBGRADE TREATMENT ALTERNATE WHEN ALTERNATES ARE PROVIDED IN THE PROPOSAL AND CONTRACT. THE ALTERNATE CHOSEN BY THE SUCCESSFUL BIDDER SHALL BE USED IN CONSTRUCTING THIS PROJECT.

TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINTS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE B/D PRICE FOR SQUARE YARDS 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).

7 INCH RESIDENTIAL ASPHALTIC CONCRETE PAVEMENT WITH 5 INCH BITUMINOUS BASE

CITY OF WICHITA, KANSAS

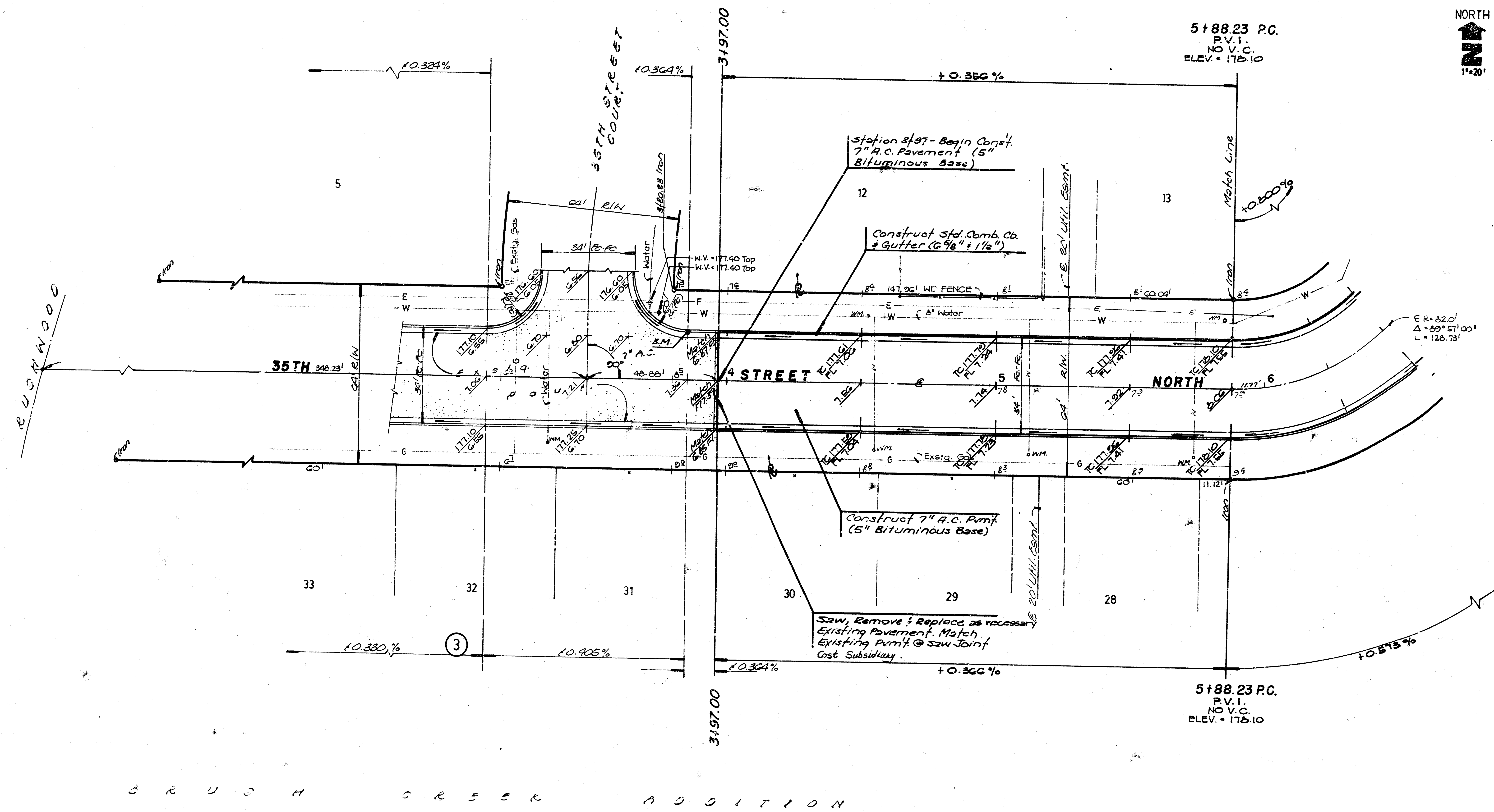
PROJECT NUMBER

472-76-245-81855-000-000-001

9

FILMED FROM THE BEST AVAILABLE COPY

Bench Mark: Square Out in Top of Curb, N.E.
 Return of Intersection of 35th Street North
 and 35th Street Court (Sta 3186, 17.5' Lf.)
 Elevation: 177.34 City Datum.



Note:
 Existing Water Service Lines cross the street at several locations on this project. Contractor shall use caution during construction to prevent damage to the lines.

Earthwork Quantities

Excavation: 757.0 c.y.	Compacted Fill: 0 c.y.
10%: 75.7	10%: 0
Total = 832.7 c.y.	Total = 0 c.y.
Subgrade Manipulation = 2483 s.y.	

35TH STREET NORTH

Project No. 472-76-245-61855-000-000-001

BAUGHMAN COMPANY, P.A.
 SURVEYING & ENGINEERING
 31000-7071 • 310 ELLIS • WICHITA, KANSAS 67211

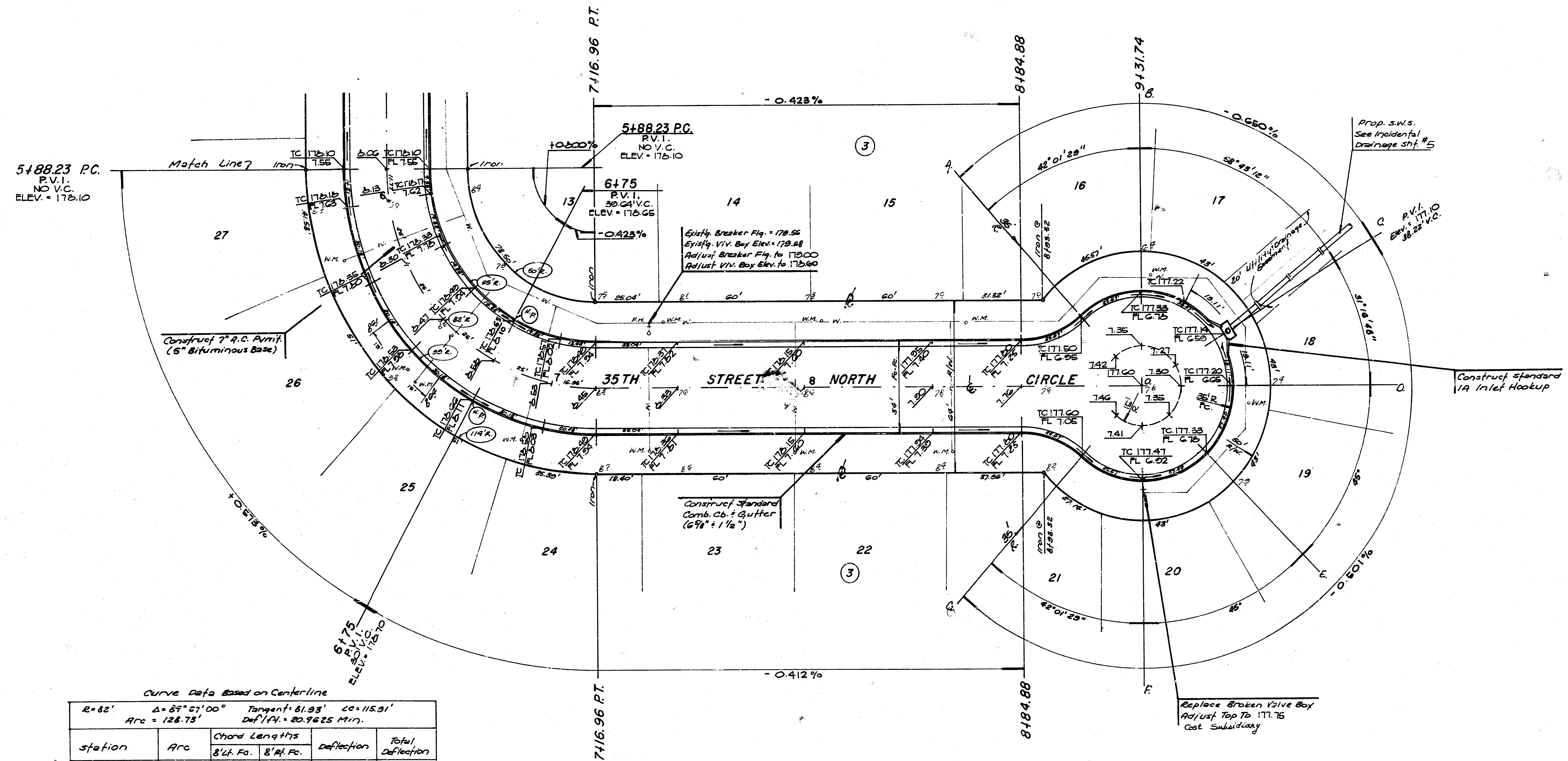
Drawn: <i>Kristen Gony</i>	Check: <i>NEW</i>	Date: <i>Jan 80</i>	Scale: <i>1"=20'</i>	Sheet: <i>3</i>
----------------------------	-------------------	---------------------	----------------------	-----------------

FILMED FROM THE BEST AVAILABLE COPY

Bench Mark: Square Cut in Top of Curb, N.E.
 Return of Intersection of 35th Street North
 and 35th Street Court (Sta. 5+86, 17.6' Lt.)
 Elevation: 177.84 City Datum.

WATER VALVE BOX ADJUSTMENT TABLE		
Sta. 7+38 Lt.	Existing Elev. = 179.68	Proposed Elev. = 178.60
Sta. 9+32 Rt.	Existing Box is broken	Proposed Elev. = 177.75

N
 1"=20'



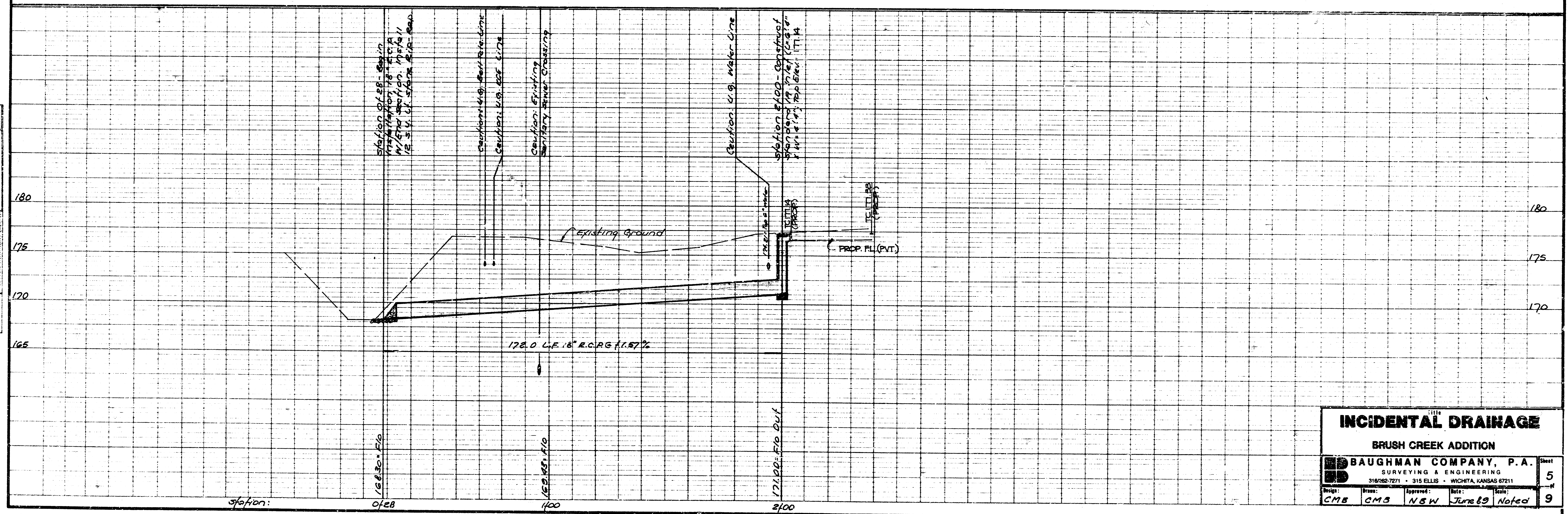
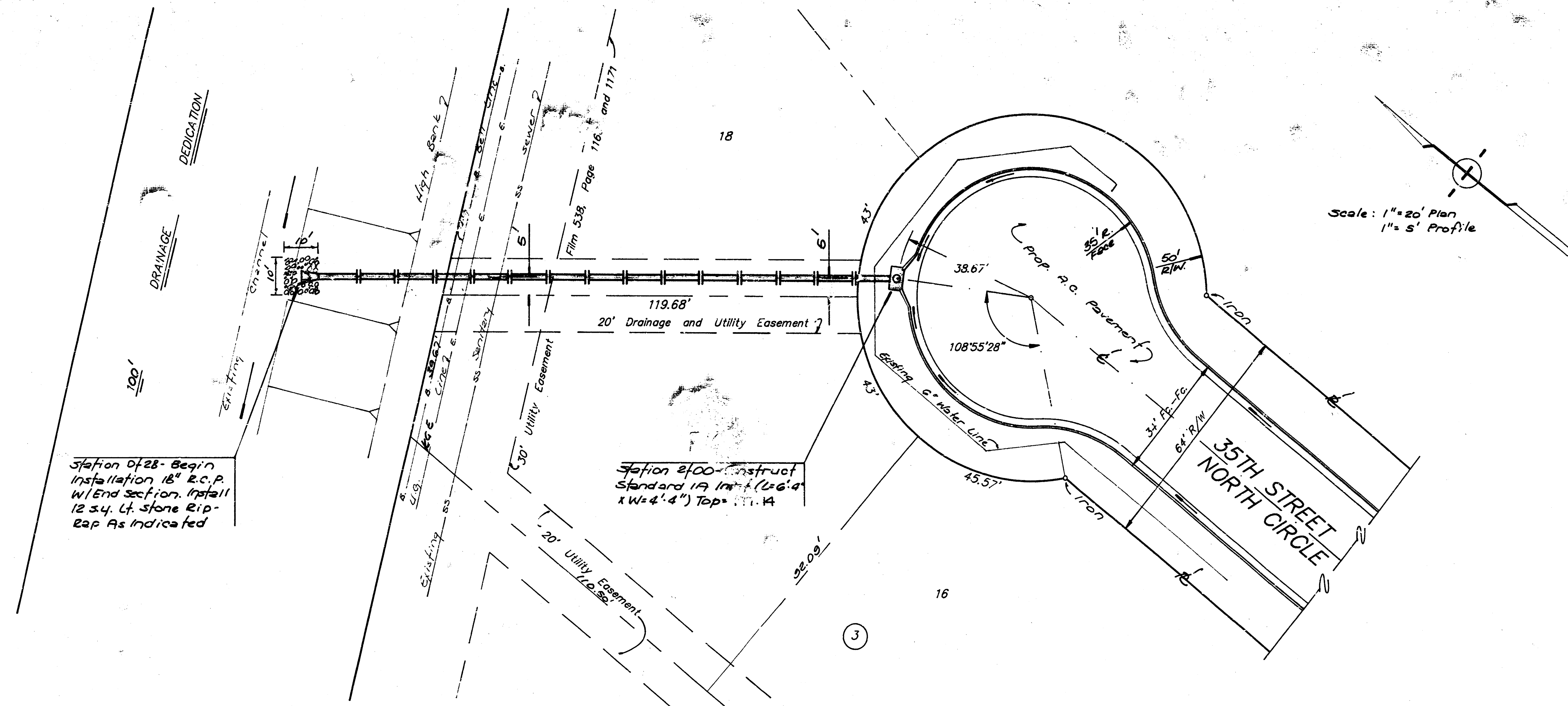
Curve Data Based on Centerline

R=82'		$\Delta=87^{\circ}57'00''$		Tangent=81.93'		LC=115.91'	
Arc=128.75'				Def/100=20.9625 Min.			
Station	Arc	Chord Lengths		Deflection		Total Deflection	
		8' Lt. Fr.	8' Rt. Fr.				
5+88.23 P.C.	—	—	—	0°00'00"		0°00'00"	
6+00	11.77'	8.17'	15.85'	4°06'34"		4°06'34"	
6+25	25'	17.31'	32.49'	8°44'08"		12°50'42"	
6+50	25'	17.31'	32.49'	8°44'08"		21°34'51"	
6+75	25'	17.31'	32.49'	8°44'08"		30°18'59"	
7+00	25'	17.31'	32.49'	8°44'08"		39°02'57"	
7+16.96 P.T.	16.96	11.77'	22.09'	5°56'31"		44°59'28"	

35TH STREET NORTH CIRCLE
 Project No. 472 TC 245-61655 000 000 001
BAUGHMAN COMPANY, P.A.
 SURVEYING & ENGINEERING
 316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211
 Design: N.B.W. Drawn: C.B.M. Approved: N.B.W. Date: Jun 20 1992

FILMED FROM THE BEST
 AVAILABLE COPY

Bench Mark: square cut in Top of Curb, N.E.
Return of intersection of 35th Street North
and 35th Street Court. (Sta. 3+85, 17.5' Lf.)
Elevation = 117.36 City Datum.



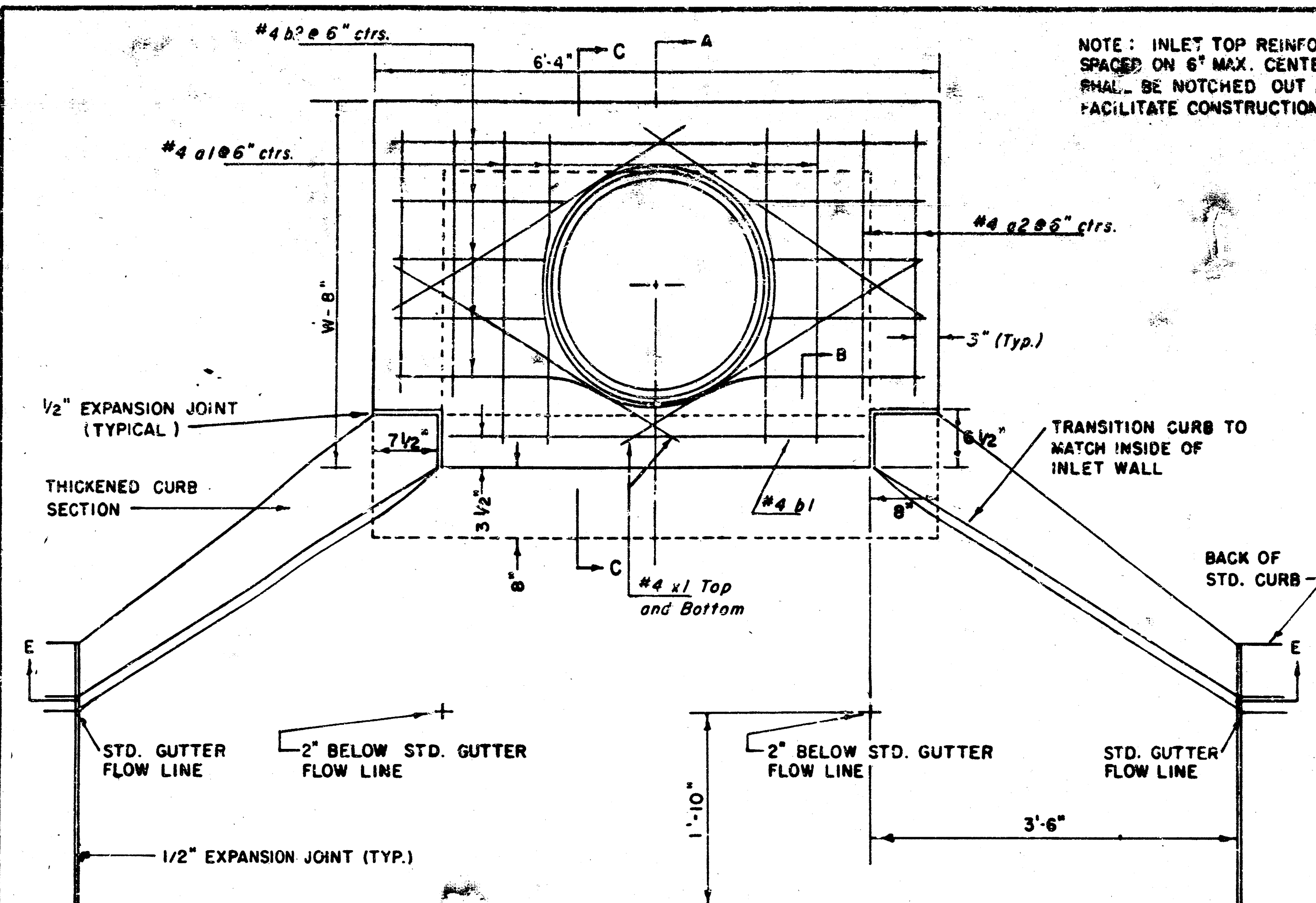
INCIDENTAL DRAINAGE

BRUSH CREEK ADDITION

BAUGHMAN COMPANY, P.A.
SURVEYING & ENGINEERING
310/282-7271 • 315 ELLIS • WICHITA, KANSAS 67211

Design: CMB Draw: CMB Approved: NEW Date: June 89 Scale: Noted

FILMED FROM THE BEST
AVAILABLE COPY



NOTE: EXPANSION JOINT ONLY IN CURB AREA WITH CONC. PAVEMENT.

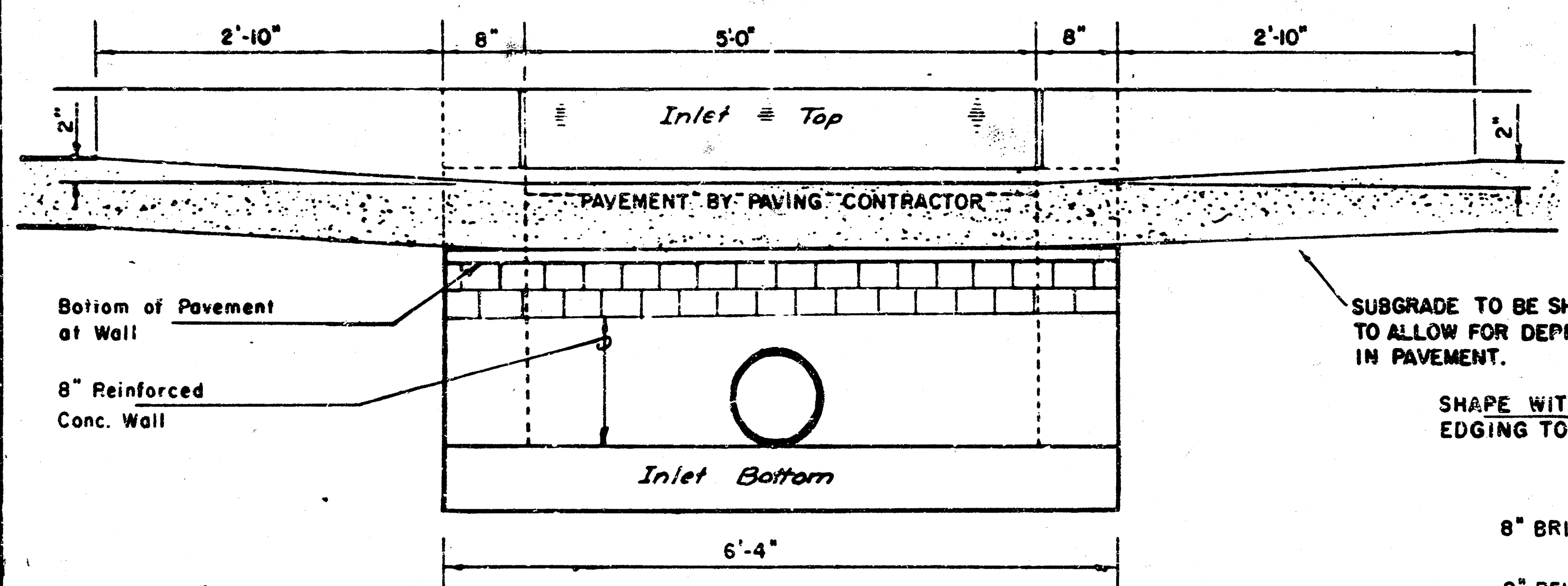
PLAN

PRECAST SLAB AND FLOOR REINFORCING											
Mark	Size	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length
a1	#4	6	6'-7"	6	8'-7"	6	10'-7"	6	12'-7"	6	14'-7"
a2	#4	4	6'-0"	4	8'-0"	4	10'-0"	4	12'-0"	4	14'-0"
a3	#4	13	4'-1"	13	5'-1"	13	6'-1"	13	7'-1"	13	8'-1"
b1	#4	1	4'-9"	1	4'-9"	1	4'-9"	1	4'-9"	1	4'-9"
b2	#4	23	6'-1"	29	6'-1"	35	6'-1"	41	6'-1"	47	6'-1"
x1	#4	8	3'-10"	8	4'-2"	8	4'-6"	8	4'-10"	8	5'-2"

WALL REINFORCING											
Mark	Size	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length
w1	#4	10	6'-1"	10	6'-1"	10	6'-1"	10	6'-1"	10	6'-1"
w2	#4	10	4'-1"	10	5'-1"	10	6'-1"	10	7'-1"	10	8'-1"
w3	#4	32	4"	36	4"	40	4"	44	4"	48	4"

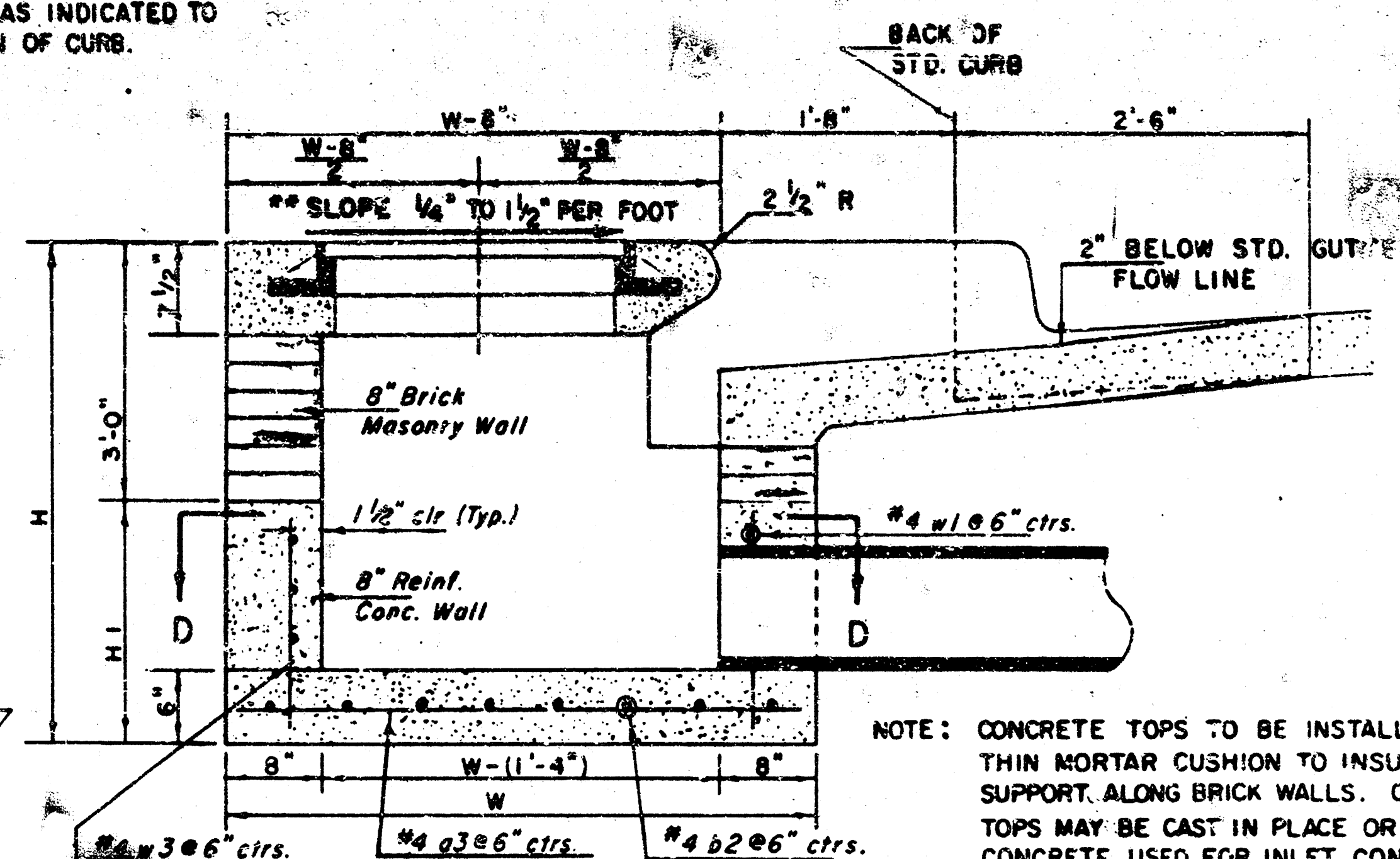
* Field bend or cut Reinforcing as required for clearance.

- ① 4(NI-12"); (NI-12") Round down to nearest 0.5'
- ② NI-3"



SECTION E-E

NOTE: INLET TOP REINFORCING SHALL BE SPACED ON 6" MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB.



SECTION A-A

NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT, ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE USED FOR INLET CONSTRUCTION SHALL BE CONCRETE PAVEMENT MIX WITH AIR ENTRAINMENT.

NOTE: CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN W = 6'-4" AND H = 7'-0" OR LESS.

ADDITIONAL CURB AND GUTTER CONSTRUCTION NECESSARY TO CONNECT SET-BACK INLET TO PAVEMENT WILL BE PAID FOR AT THE UNIT PRICE BID FOR EACH INLET HOOKUP.

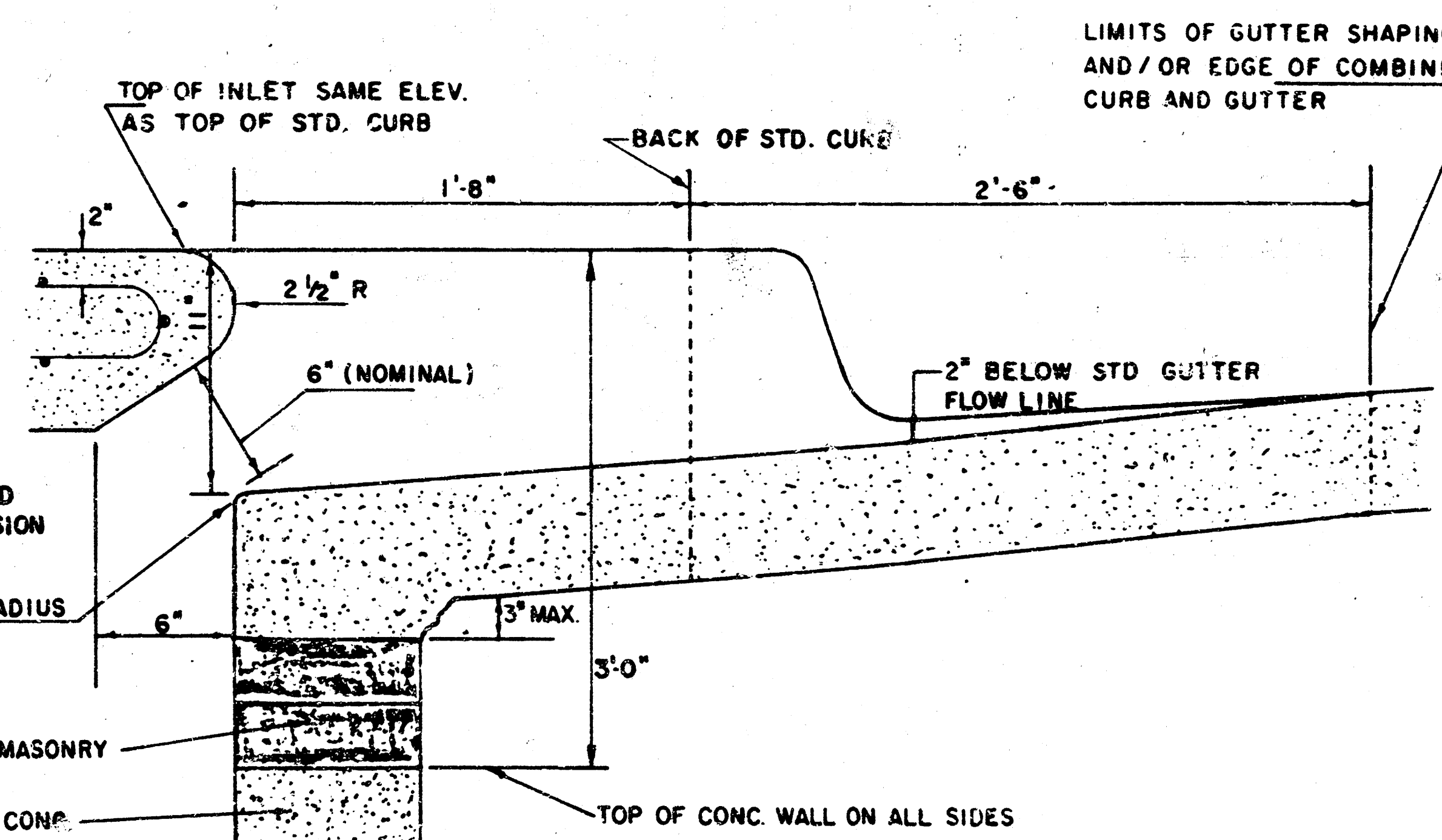
INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF-CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.

THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.

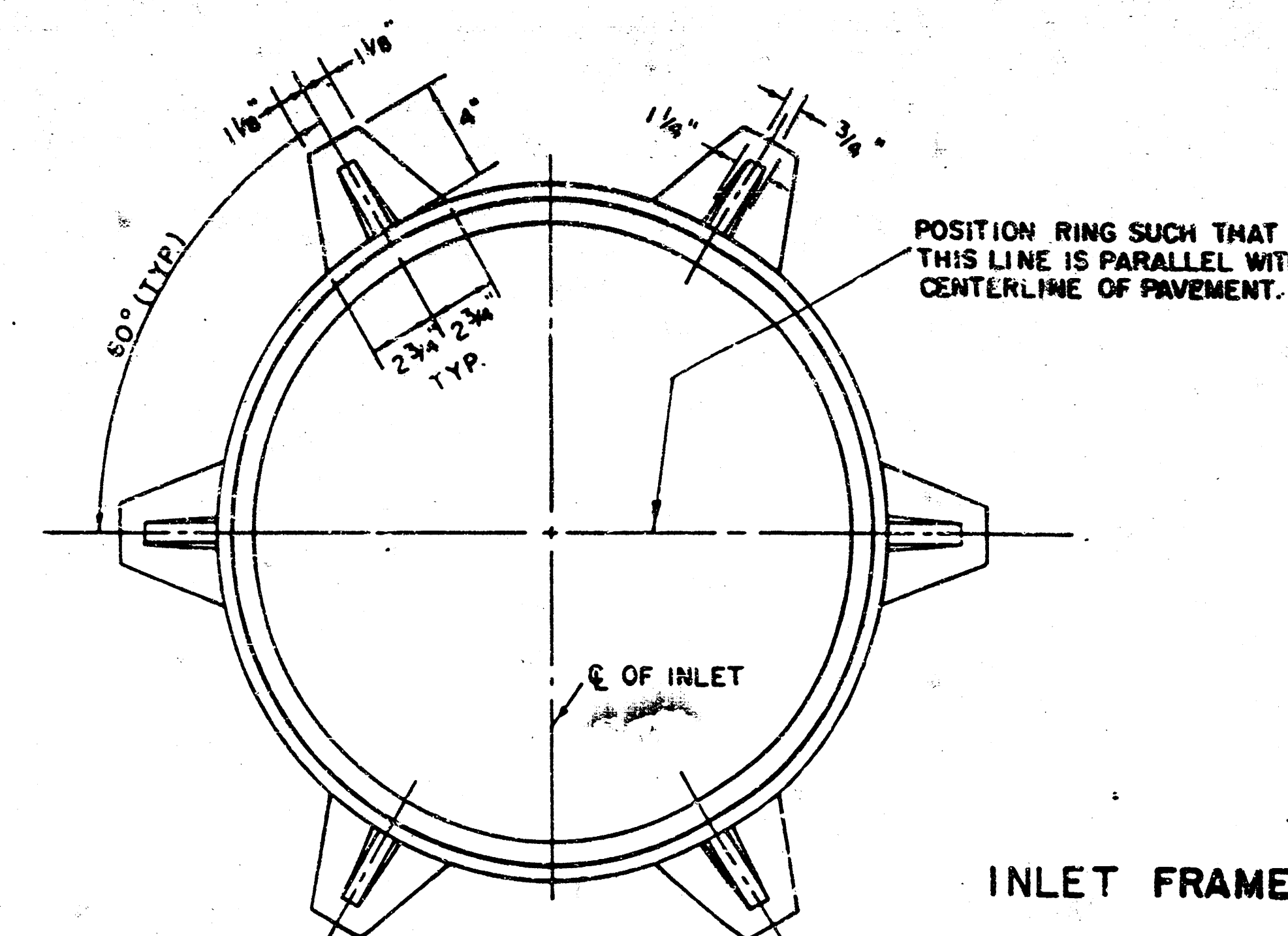
** NOTE: Slope of Inlet Tops to match Sidewalk or Parking Slopes within Limits indicated.

W	PRECAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4'-4"	36" x 6'4" x 7 1/2"	21" & SMALLER	0.38 ±
5'-4"	48" x 6'4" x 7 1/2"	24" & 30"	0.51 ±
6'-4"	58" x 6'4" x 7 1/2"	36" & 42"	0.64 ±
7'-4"	68" x 6'4" x 7 1/2"	48" & 54"	0.77 ±
8'-4"	78" x 6'4" x 7 1/2"	60" & 66"	0.90 ±

BENDING DIAGRAM

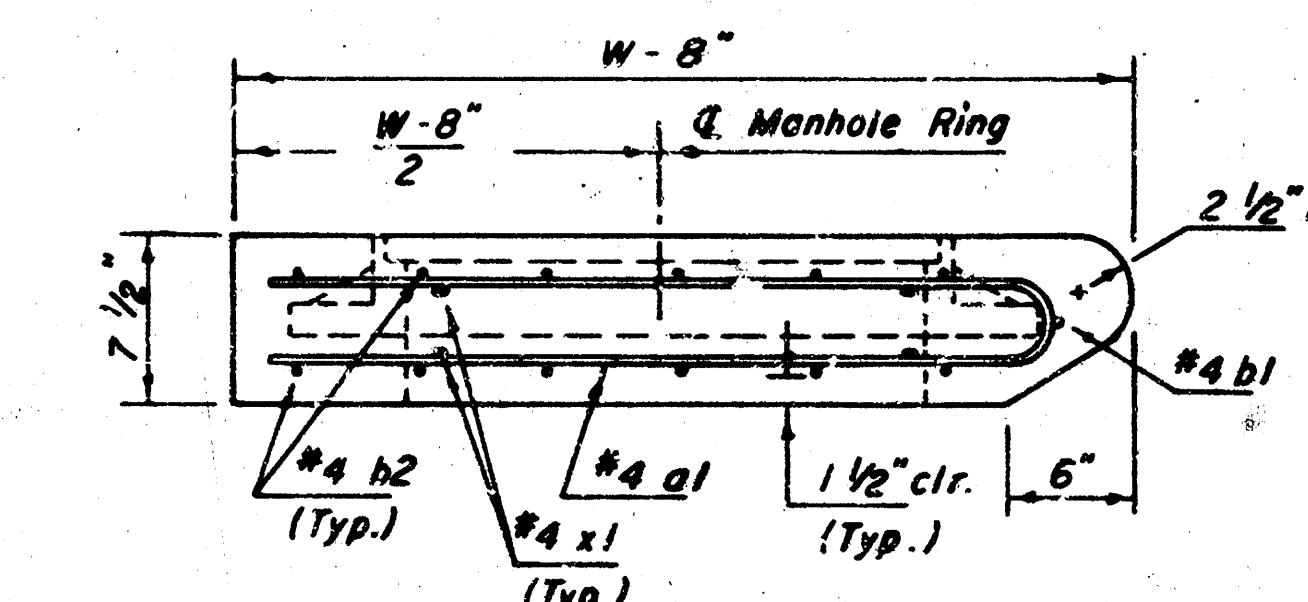


SECTION B-B

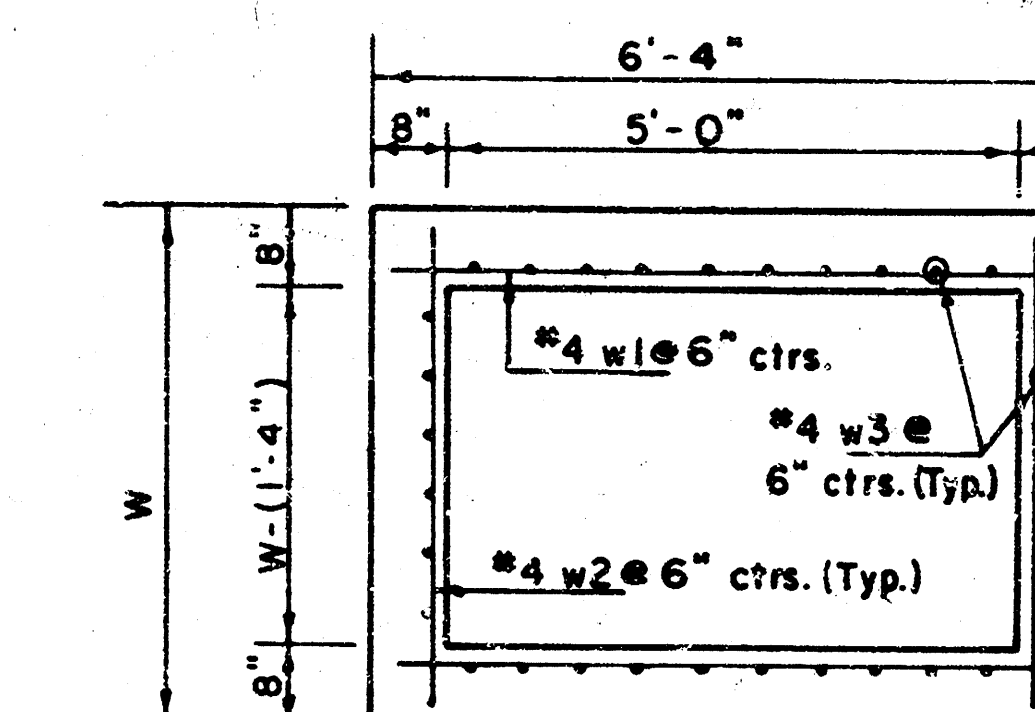


WEIGHT = 180 LBS.

SEE CITY OF WICHITA STANDARD MANHOLE FRAME AND COVER DETAIL SHEET FOR COVER DETAILS TO BE USED WITH INLET FRAME.



SECTION C-C



SECTION D-D

REVISED 11-30-1988

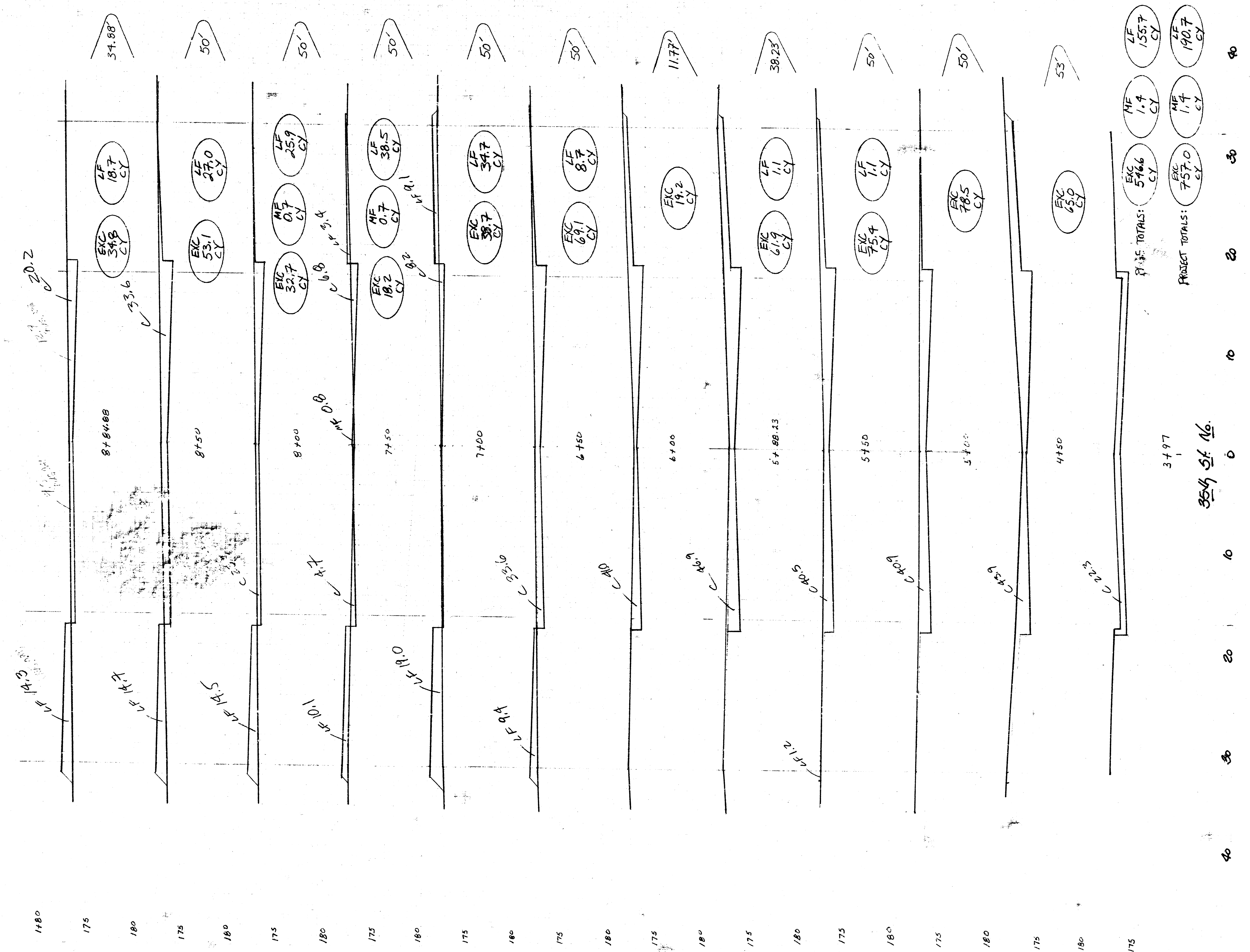
REVISED 12-3-1984

Revised 2-16-1989

DETAIL STANDARD TYPE IA CURB INLET
CITY OF WICHITA, KANSAS
INLET OPENING = 6" x 5'0"

JUNE 1984

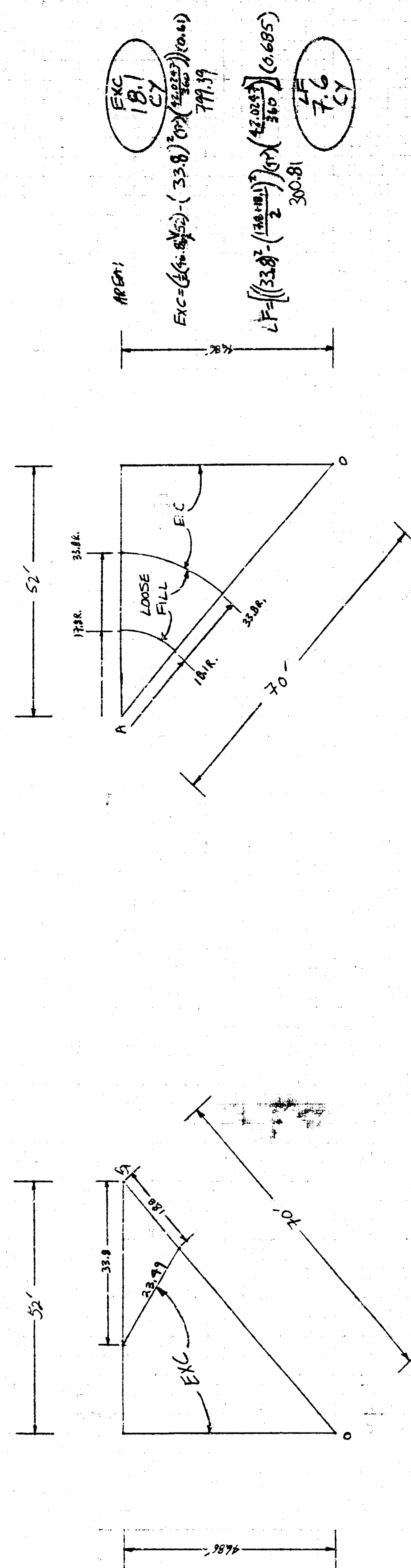
FILMED FROM THE BEST AVAILABLE COPY



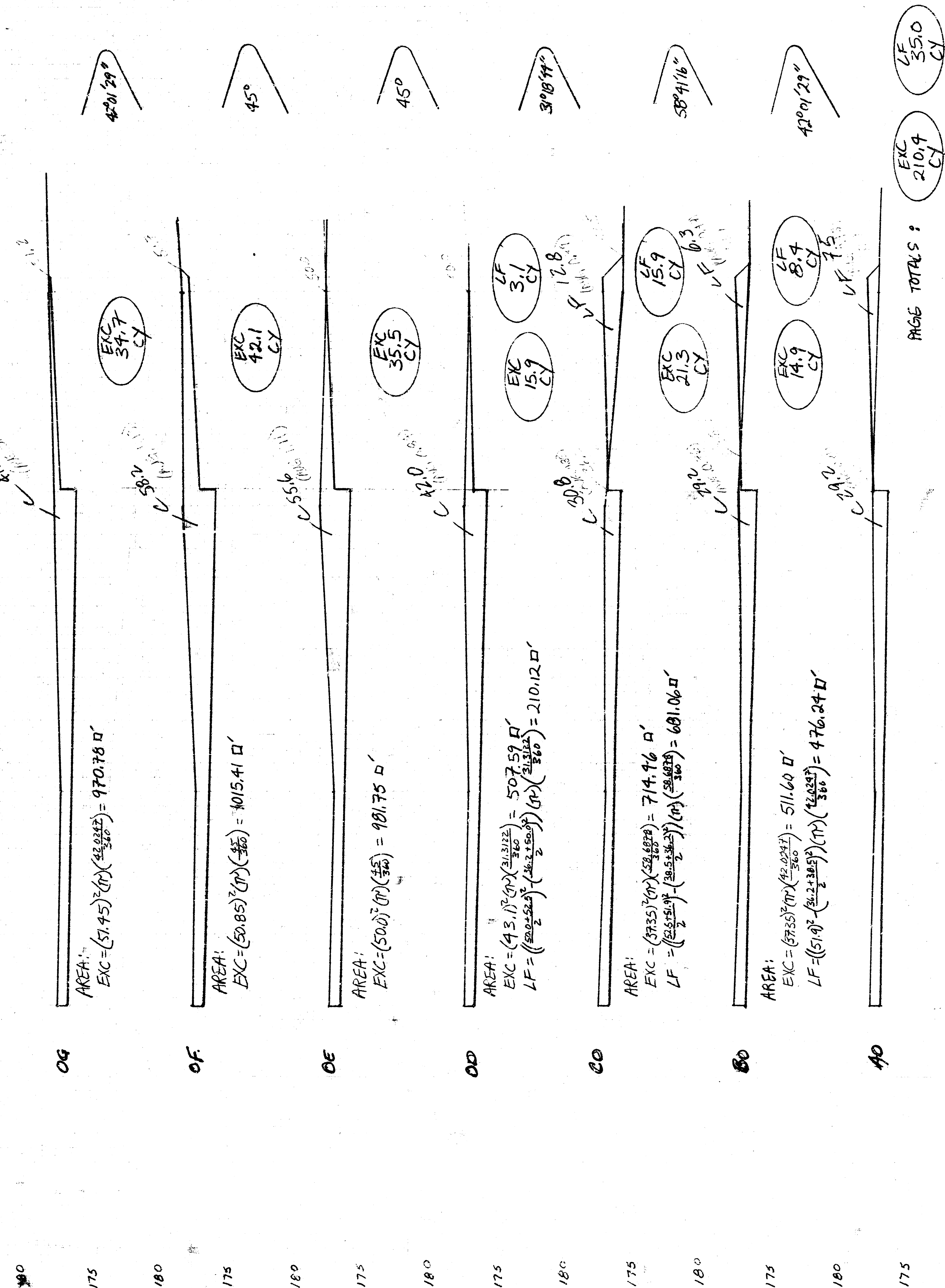
EARTHWORK SECTIONS

7/9

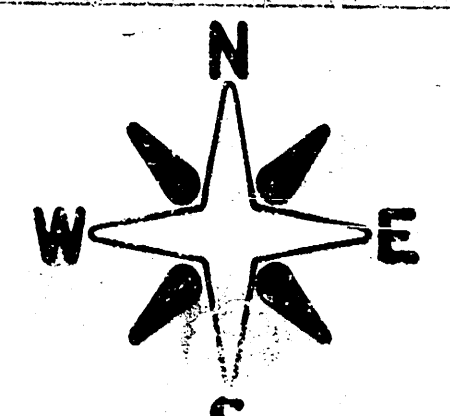
FILMED FROM THE BEST AVAILABLE COPY



$AREA = \frac{1}{2} \times (52 + 33.8) \times 70 = 2719$
 $EXC = \frac{1}{2} \times (52 + 33.8) \times 70 = 2719$
 $LF = \frac{1}{2} \times (52 + 33.8) \times 70 = 2719$

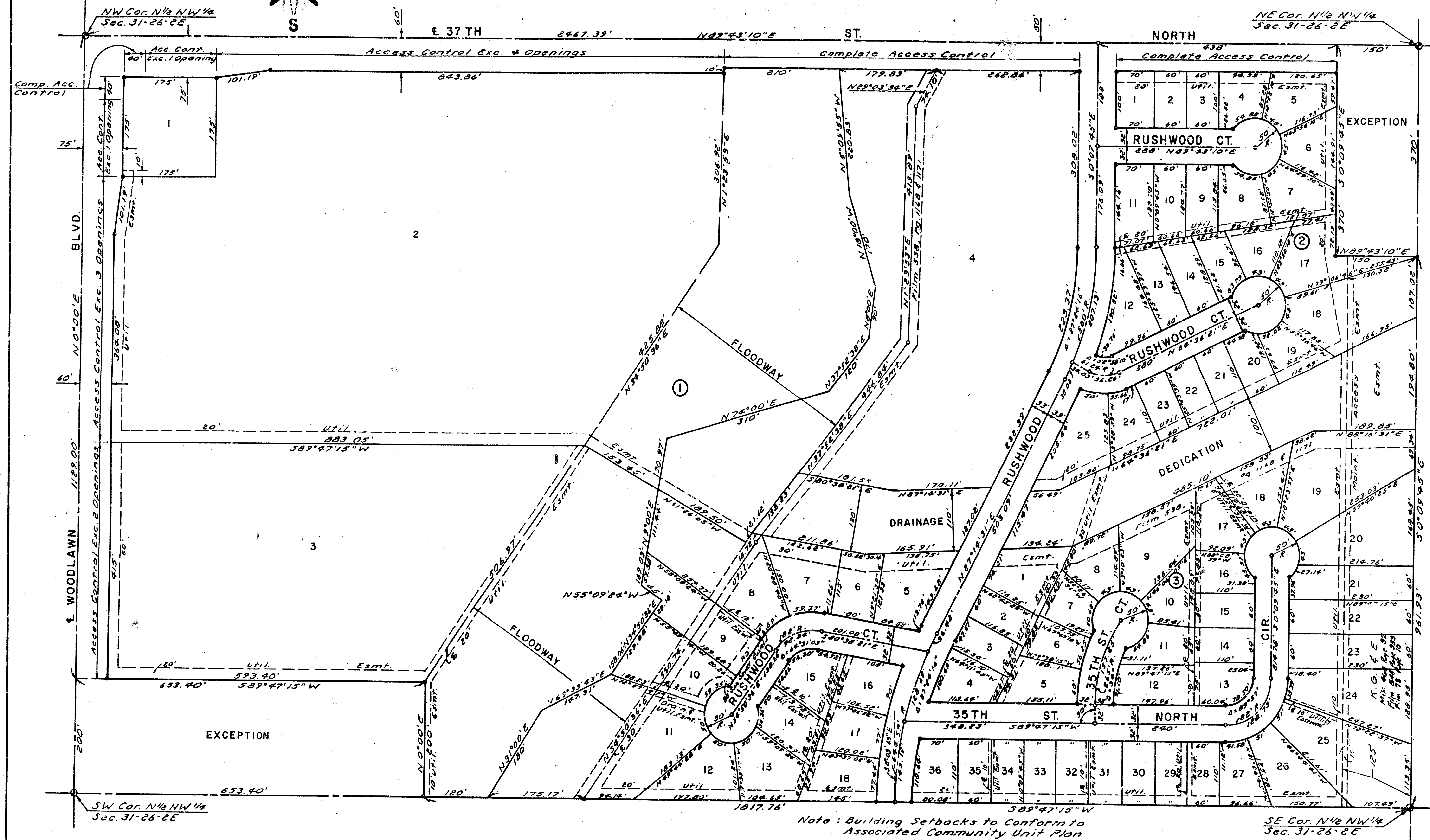


Minimum Building Pads:
Lots 1 & 2, Blk. 1, E. 1363.0
All other lots, E. 1365.0
(Sea Level Datum)



Scale: 1"=100'
Iron

BRUSH CREEK ADDITION WICHITA, KANSAS



This plat of "BRUSH CREEK ADDITION",
Wichita, Kansas, has been submitted to
and approved by the Wichita-Sedgwick
County Metropolitan Area Planning Com-
mission, Wichita, Kansas, this 16th
day of June, 1983.

Wichita-Sedgwick County Metropolitan
Area Planning Commission
David E. Wright Chairman
Robert E. Crabb Secretary

This plat approved and all dedications
shown hereon accepted by the Board of
City Commissioners, Wichita, Kansas, this
13th day of December, 1983.
Margaret Wright Mayor
Donald E. Wright City Clerk

This plat approved and all dedications
shown hereon accepted by the Board of County
Commissioners, Sedgwick County, Kansas, this
24th day of June, 1984.
Jack Seaton Chairman
David E. Wright Commissioner
Tom Scott Commissioner
Donna B. Crabb County Clerk

Entered on transfer record this
22 day of Jan, 1984.
Donna B. Crabb County Clerk

#672696

State of Kansas } S.S. This is to certify that
Sedgwick County } this plat has been filed for record in the
Office of the Register of Deeds this 22nd
day of JANUARY, 1984, at 1:00 o'clock, P.M.,
and is duly recorded.

Robert E. Crabb Register of Deeds
Patricia A. Crabb Deputy

We, the undersigned, holders of a mortgage on the above described
property, do hereby consent to this plat of "BRUSH CREEK ADDITION".

Robert E. Crabb Judith Daines Crabb Donna B. Crabb

State of Michigan } S.S. The foregoing
Wayne County } instrument was acknowledged be-
fore me this 1st day of Jan, 1984,
by Robert E. Crabb and Judith
Daines Crabb, his wife.

Notary Public
My Commission Exp. 12/31/84

State of New Mexico } S.S. The fore-
going instrument was acknowl-
edged before me this 1st day of Jan,
1984, by Leonard Rosengano
and Donna B. Crabb Rosengano,
his wife.

Notary Public
My Commission Exp. 12/31/84

State of Kansas } S.S. We, Baughman Company,
Sedgwick County } P.A. Surveyors in aforesaid county and state,
do hereby certify that we have surveyed and
platted "BRUSH CREEK ADDITION", Wichita,
Kansas, and that the accompanying plat is
a true and correct exhibit of the property
surveyed, described as the N1/2 of the NW1/4
of Section 31, T26S, R2E of the 6th P.M.,
Sedgwick County, Kansas, excepting the south
200 feet of the west 653.40 feet and the
north 370 feet of the east 150 feet thereof.

Date Nov. 2, 1983 Baughman Company, P.A.
J. E. Lundblad Surveyor

Know all men by these presents that we, the
undersigned, have caused the land described in the
surveyors certificate to be platted into lots, blocks,
streets and a drainage dedication to be known as
"BRUSH CREEK ADDITION", Wichita, Kansas. The
easements are hereby granted as indicated for
the construction and maintenance of public util-
ities. The drainage dedication is hereby dedicated
for drainage purposes. The streets are hereby de-
dicated to and for the use of the public. All abut-
ters rights of access to Woodlawn Blvd. and 37th
St. North are hereby granted to the City of Wichita,
Kansas, except, however, that Lot 1, Blk. 1, shall
have access to Woodlawn at one location over the
south 135 feet thereof and to 37th St. North over
the east 135 feet thereof. Lot 2, Blk. 1 shall have
access to Woodlawn at three locations and to 37
th St. North at four locations and Lot 3, Blk. 1
shall have access to Woodlawn at two locations,
said locations to be determined by the City Eng-
ineer. The floodway shall be the responsibility of
the owners of the property within said floodway
until such time as the governing body exercising
jurisdiction elects to assume the responsibility

for maintenance and improvement of the drain-
age, provided further that no building shall
be constructed on or within said floodway,
nor shall any fill, change of grade, creation
of channel or other work be carried on with-
out the permission of the Wichita-Sedgwick
County Flood Control Office or their succe-
sors of Office. Building setbacks shall con-
form to the associated Community Unit Plan.
Minimum building pads shall be as follows: Lots
1 & 2, Blk. 1, Elev. 1363.0; All other lots 1365.0
(Sea Level Datum).
Brush Creek Community, a Joint Venture
W.B. Carter Construction Co., Inc. Vice-Pres.
William L. Karber

State of Kansas } S.S. The foregoing instrument was ack-
nowledged before me this 1st day of September, 1983, by
Brush Creek Community, a Joint Venture, by Carl A. Stew-
ard, III, Philip M. Snodgrass, William L. Karber and Jack K.
Stamp, Vice-Pres. of W.B. Carter Construction Co., Inc. on
behalf of the corporation.
Notary Public
My Commission Expires 12/31/84

FILMED FROM THE BEST
AVAILABLE COPY....