

STREET IMPROVEMENTS FOR
BRUSH CREEK ADDITION

35TH ST. NORTH: From the E.L. Rushwood to the E.L. Lot 31, Blk. 3
35TH ST. COURT: From the N.L. 35th St. N. Cir. to and Including Cal-De-Sac

Project No.
472-76-245-81412-000-000-001 INDEX # 602193

CITY OF WICHITA, KANSAS

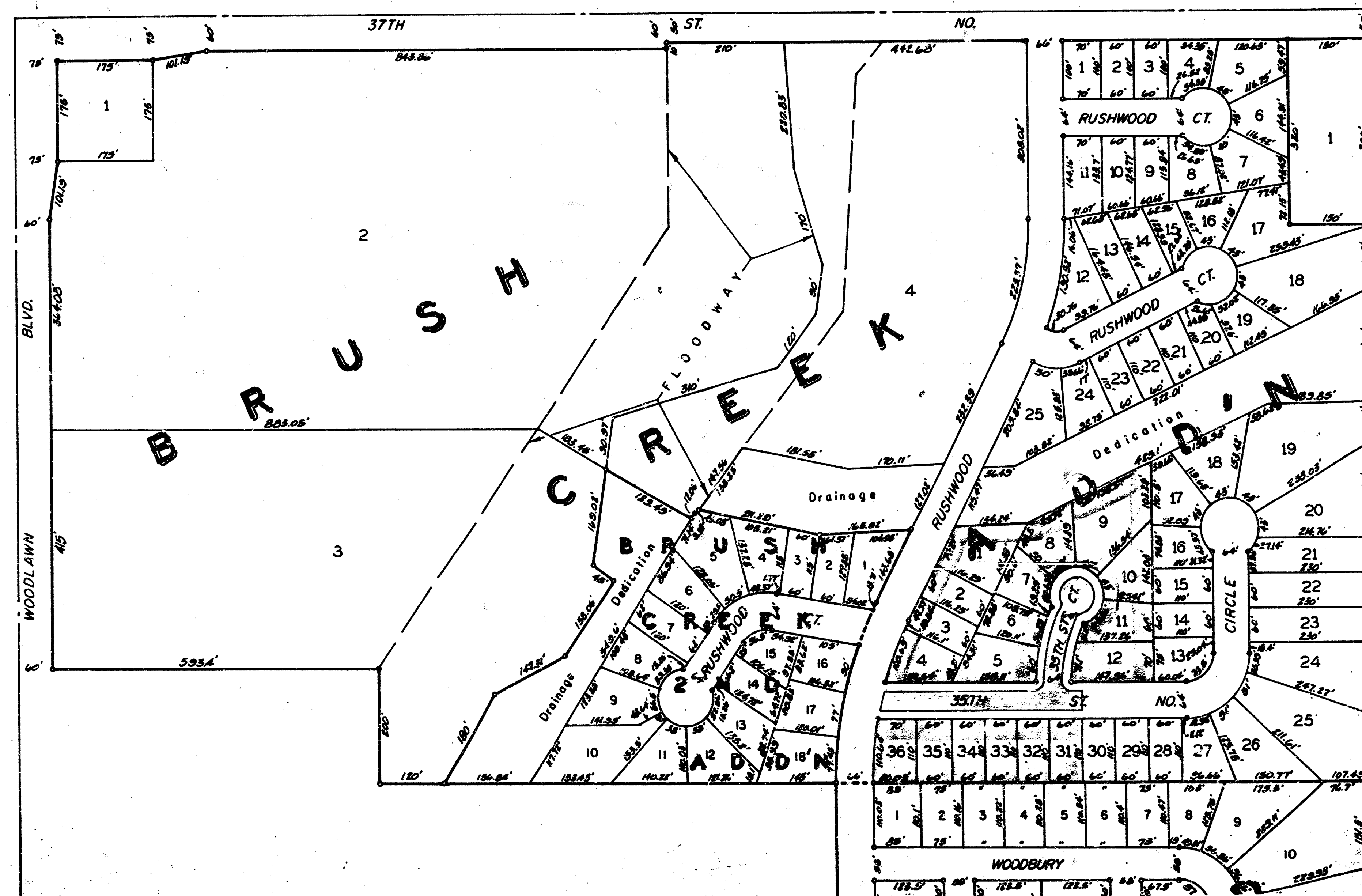
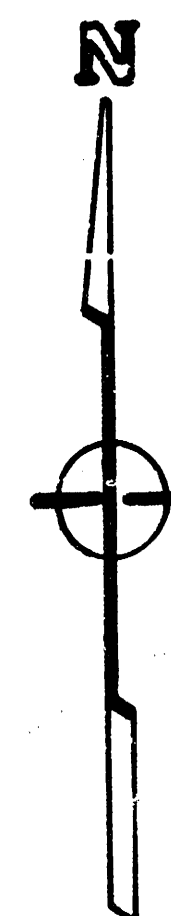
Michael E. Lindebak City Engineer

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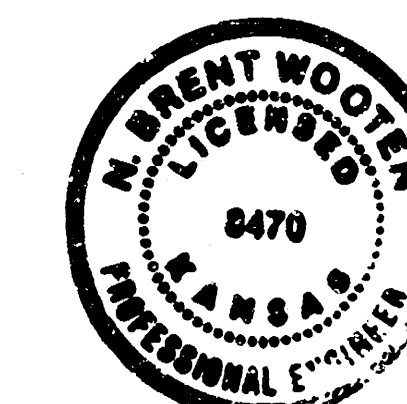
BENCH MARKS

- BENCH MARK #1: Square Cut In Back of Walk at Station
0+42, 35th St. North, 32 Feet Left.
Elevation= 175.98 City Datum
- BENCH MARK #2: Square Cut In Back of Walk at Station
0+27, 35th St. North, 32 Feet Right.
Elevation= 175.94 City Datum



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 4 drives 16 feet in width, or equivalent combinations thereof, are to be constructed with this project.
3. 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.

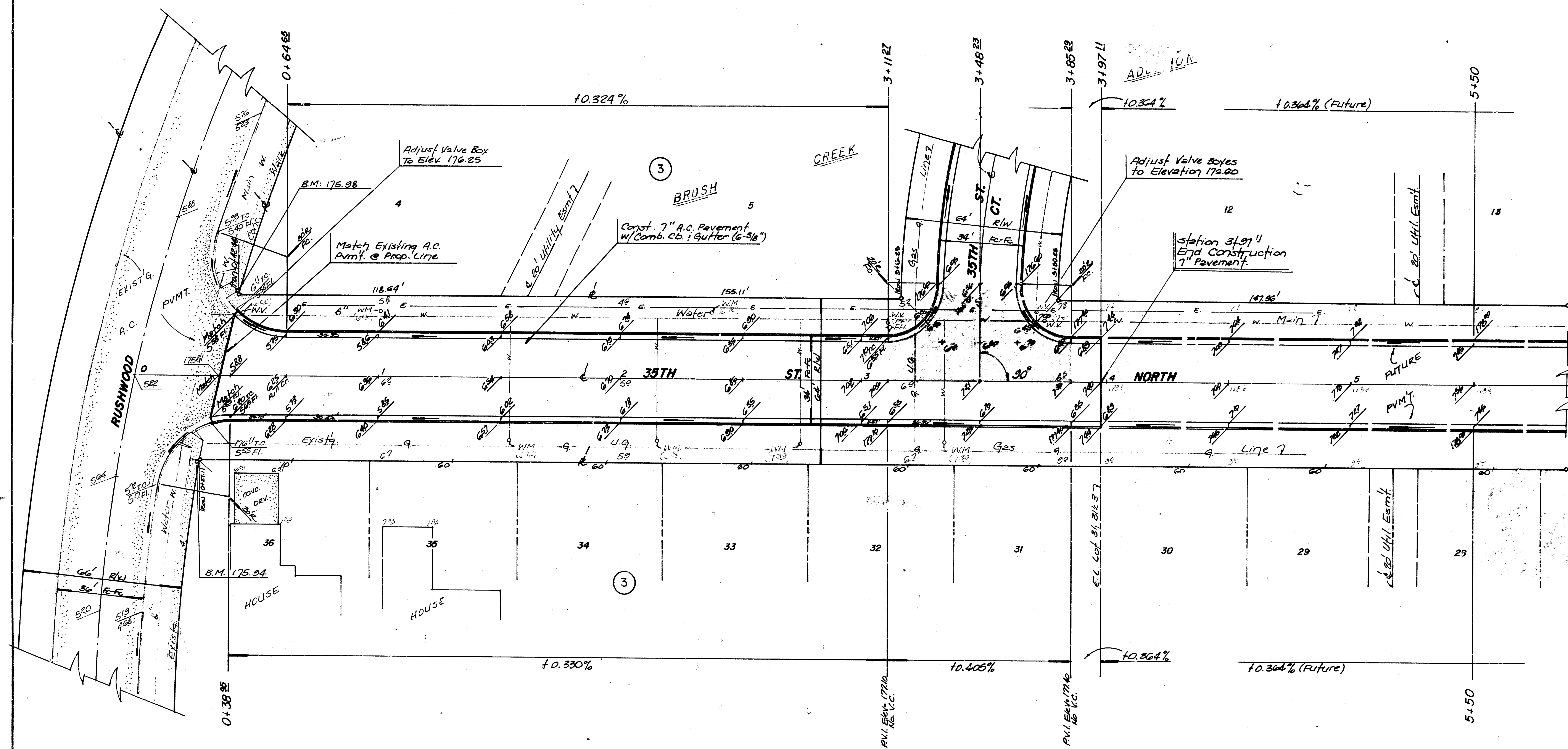
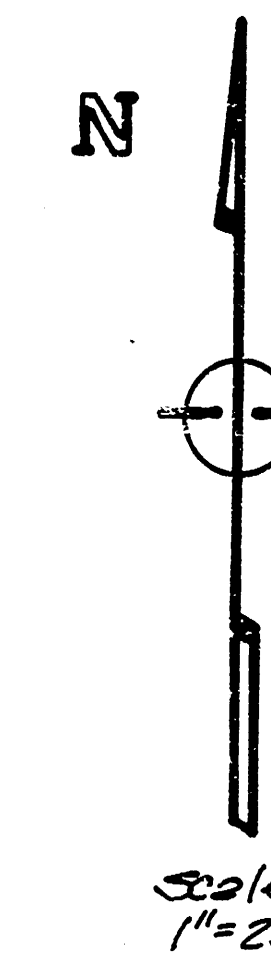


BENEFIT DISTRICT

Nov 10, 1988
BAUGHMAN COMPANY P. A.
SURVEYING & ENGINEERING
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211 1/8

BENCH MARK #1: Square Cut In Back of Walk at Station 0+42, 35th St. North, 32 Feet Left. Elevation= 175.98 City Datum

BENCH MARK #2: Square Cut In Back of Walk at Station 0+27, 36th St. North, 32 Feet Right. Elevation= 175.94 City Datum



Earthwork Summary

Excavation = 330.6 c.y.	Compacted Fill = 88.1 c.y.
110% 33.1 c.y.	8.8 c.y.
Total 363.7 c.y.	Total 96.9 c.y.
Borrow = 589.6 c.y.	Subgrade Manipulation = 2494 s.y.

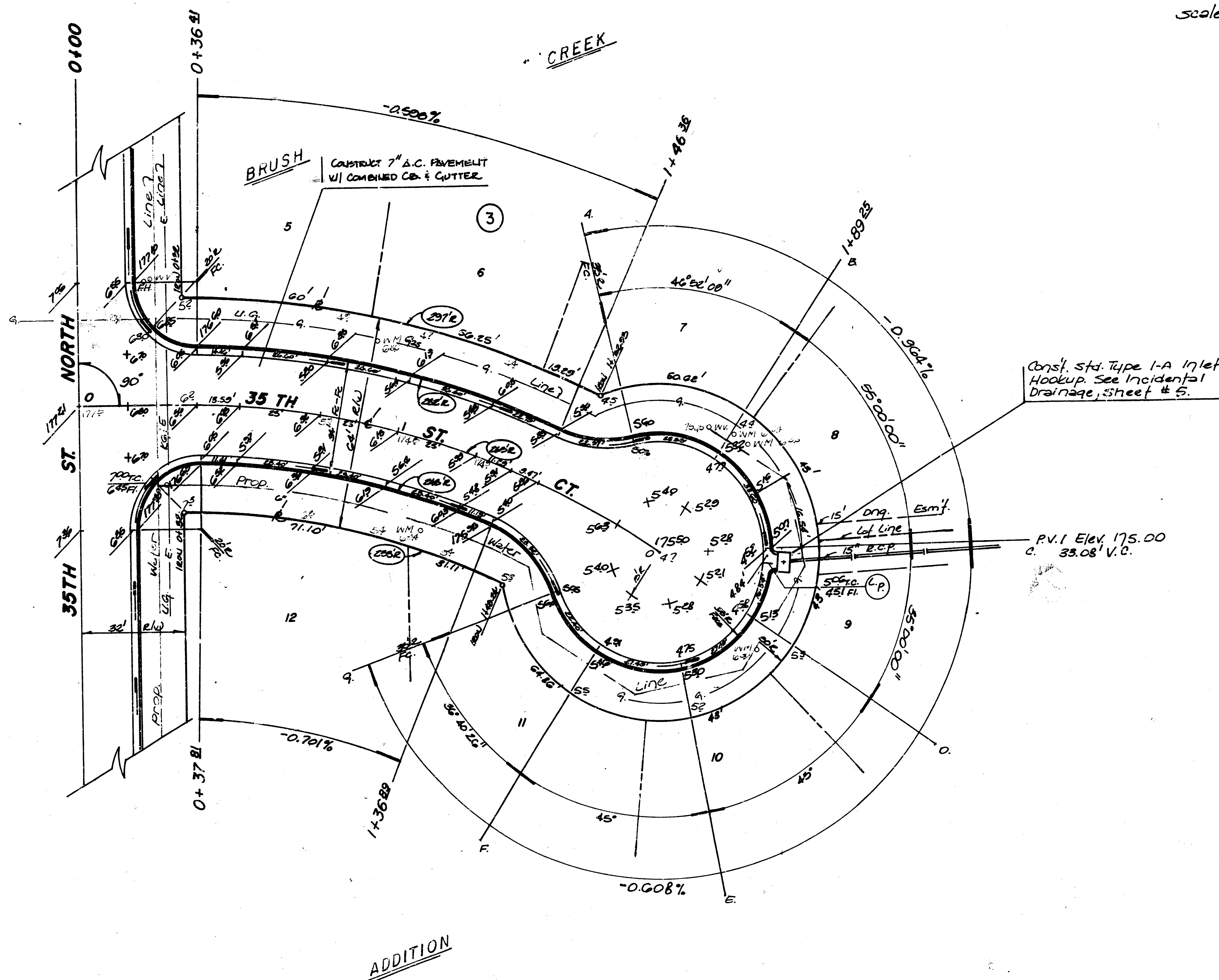
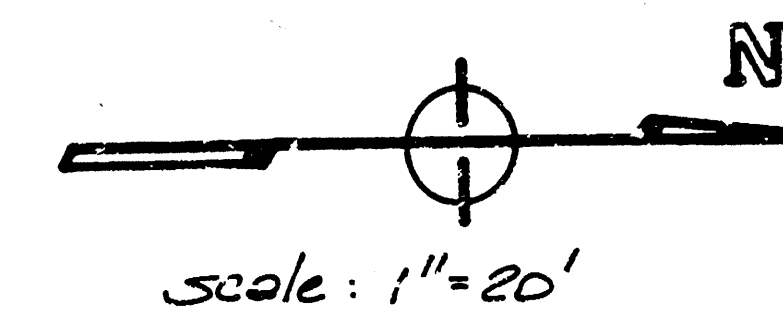
INTERSECTION QUANTITIES

— S.Y. —	Concrete Pavement
2215 S.Y. 7"	Asphaltic Conc. Pavement (S" Bituminous Base)
186 S.Y. 3 1/2"	Bituminous Base
622 L.F.	Combined Curb & Gutter
—	L.F. Integral Curb
—	S.F. 4" Wheelchair Ramp
—	S.F. 4" Walk
—	C.Y. Excavation
—	C.Y. Compacted Fill
—	Lbs. Reinforcing Steel
2487 S.Y.	Manipulation
—	Tons Lime or Cement
— S.Y. V.G. —	Concrete & " Asphaltic Concrete Base

35TH STREET NORTH			
BAUGHMAN COMPANY P. A. SURVEYING & ENGINEERING 316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211			
PROJECT NUMBER			
472-76-245-81412-000-000-001			
DESIGN	DRAWN	APPROVED	DATE
NBW	CB	NBW	11/10/88
SCALE		Noted	
SHEET		3	
OF		8	

BENCH MARK #1: Square Cut In Back of Walk at Station
0+42, 35th St. North, 32 Feet Left.
Elevation= 175.98 City Datum

BENCH MARK #2: Square Cut In Back of Walk at Station
0+27, 35th St. North, 32 Feet Right.
Elevation= 175.94 City Datum



CURVE DATA BASED ON $R=205'$ $\Delta=34^{\circ}00'00''$
 $T=21.02$ $LC=154.26'$ $ARC=157.25'$

STATION	ARC	CHORD LENGTHS		DEF. Δ	TOTAL DEF. Δ
		O/LT. FC.	O/RT. FC.		
0+32.00	—	—	—	—	—
0+36.41	4.41	4.85	—	0°26'36"	0°26'36"
0+37.81	1.40	—	5.26	0°03'05"	0°31'41"
0+50	12.19	13.34	11.04	1°13'04"	1°26'45"
0+75	25	27.55	22.63	2°42'10"	4°38'55"
1+00	25	27.55	22.63	2°42'10"	7°21'05"
+25	25	27.55	22.63	2°42'10"	10°03'15"
1+50.00	11.00	—	10.77	1°17'07"	11°20'22"
1+46.56	3.47	23.37	—	1°01'26"	12°21'48"
1+59.25 PT	42.80	46.80	47.54	4°36'12"	17°00'00"

DEFLECTION/PT. = 0.48648 MINUTES.

35TH STREET COURT				
BAUGHMAN COMPANY P. A. SURVEYING & ENGINEERING 318/282-7271 • 315 ELLIS • WICHITA, KANSAS 67211		REV.		
PROJECT NUMBER 472-76-245-81412-000-000-001		SHEET 4 OF 8		
DESIGN NBW	DRAWN CB	APPROVED NBW	DATE 11/10/88	SCALE Noted

BENCH MARK #1: Square Cut In Back of Walk at Station 0+42, 35th St. North, 32 Feet Left. Elevation= 176.98 City Datum

BENCH MARK #2: Square Cut In Back of Walk at Station 0+27, 35th St. North, 32 Feet Right. Elevation= 176.94 City Datum

Station 0+29.4, Begin Const. 15" R.C.P. w/ End Section. Install 23 S.Y. Pre-Packaged Conc. Rip-Rap.

Station 0+98.4 Const. Std. Type 'A' Manhole. Top Elevation= 175.3

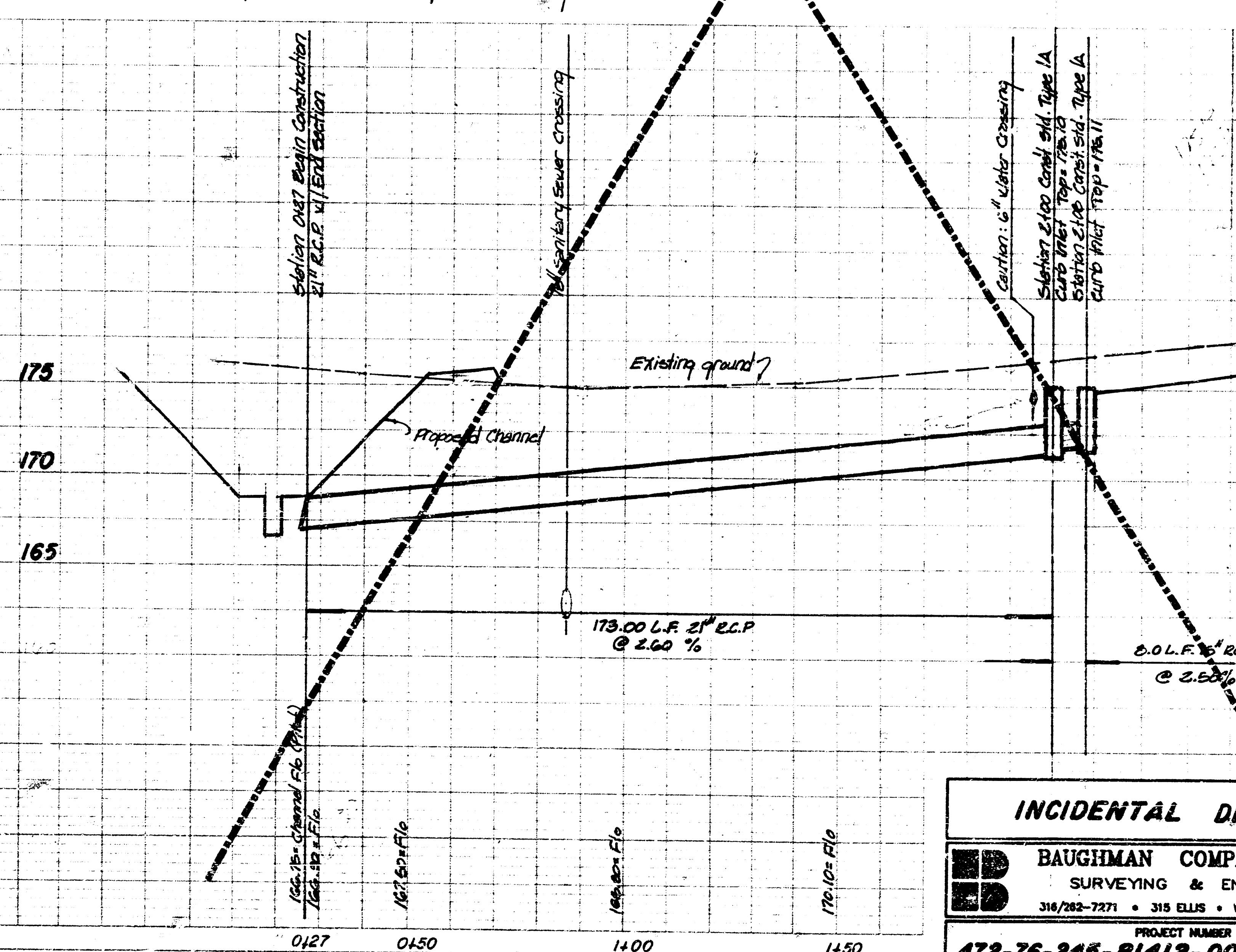
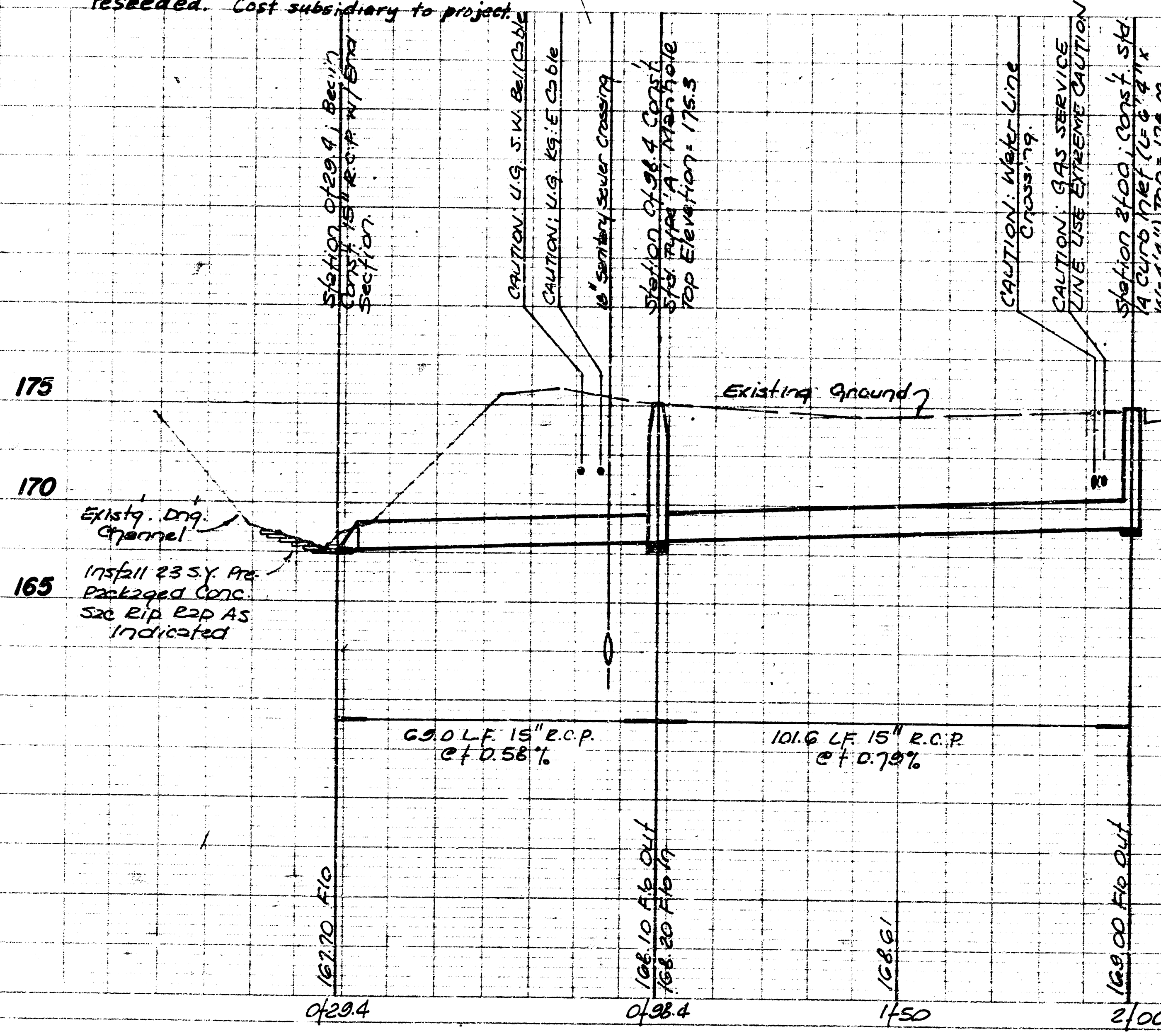
Station 2+00, Construct Std. 1-A Inlet (5'6" x 4'4") Top= 175.00

CAUTION: U.G. Gas Service Line. Use Caution!

Note: Area disturbed during construction in the drainage dedication shall be reseeded. Cost subsidiary to project.

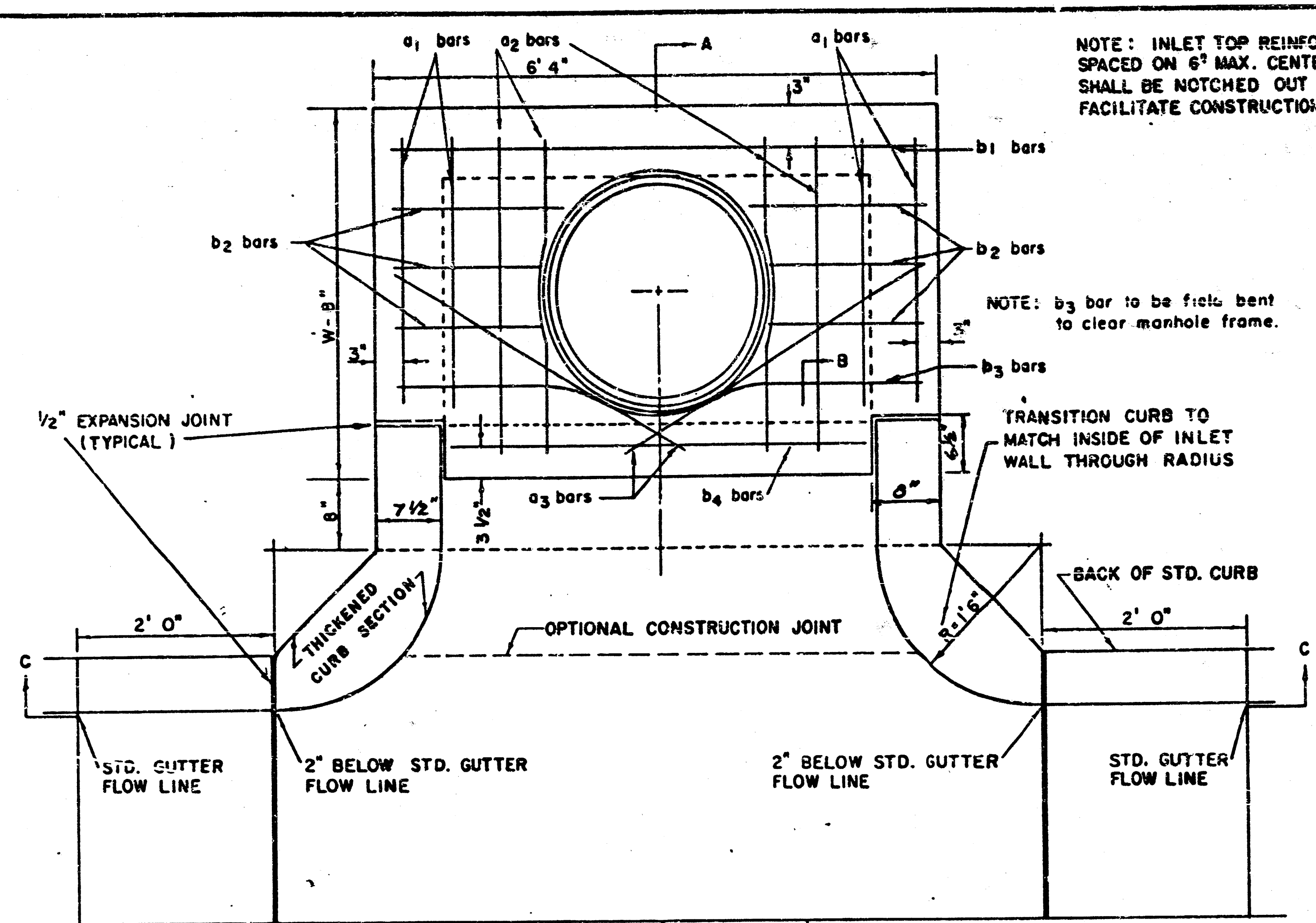
SCALE: 1"=20' PLAN
1"=5' PROFILE

SCALE: 1"=20' PLAN
1"=5' PROFILE



INCIDENTAL DRAINAGE			
BAUGHMAN COMPANY P. A. SURVEYING & ENGINEERING 318/282-7271 • 315 ELLIS • WICHITA, KANSAS 67211		REV 5/1	
PROJECT NUMBER 472-76-245-81412-000-001		SHEET 5 OF 8	
DESIGN C.B.	DATE 11/10/88	APPROVED N.B.W.	SCALE Noted

PLATE 1: SINGLE PLAN AND PROFILE FULL LINE
PRINTED IN U.S.A.



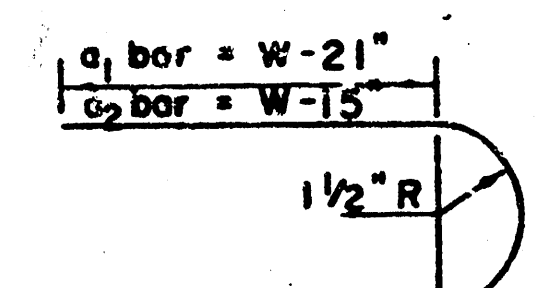
NOTE: EXPANSION JOINT ONLY IN CURB AREA WITH CONC. PAVEMENT.

PLAN

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

NOTE: b3 bar to be field bent to clear manhole frame.

TRANSITION CURB TO MATCH INSIDE OF INLET WALL THROUGH RADIUS



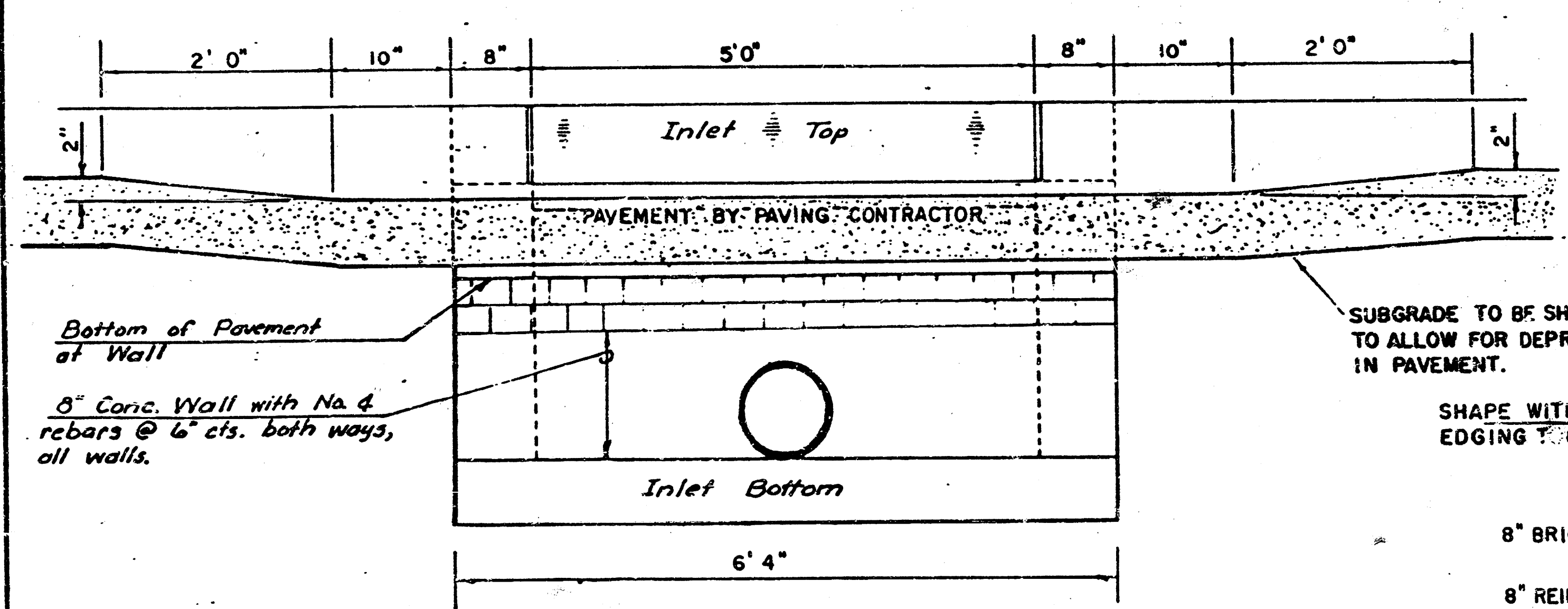
BENDING DIAGM

STEEL SCHEDULE

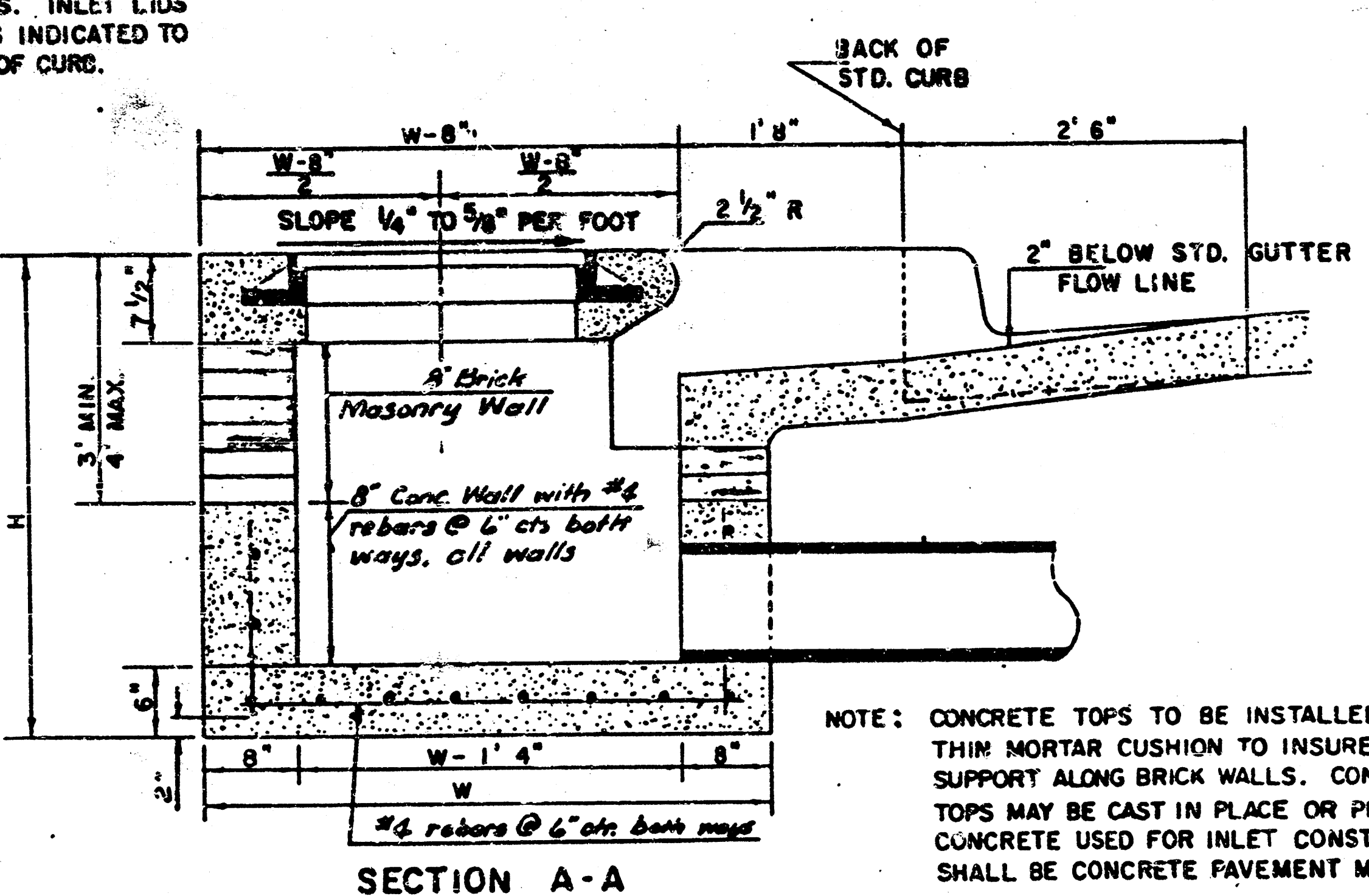
BAR	a1	a2	a3	b1	b2	b3	b4	WT. LBS.
NUMBER	4	4	2	1	3	5	7	9
SIZE	"4	"4	"4	"4	"4	"4	"4	"6
LENGTH	W-4'4"	5'7"	6'7"	4'0"	6'1"	-	-	-
	W-5'4"	7'7"	8'7"	5'0"	6'1"	-	-	-
	W-6'4"	9'7"	10'7"	6'0"	6'1"	-	-	-
	W-7'4"	11'7"	12'7"	7'0"	6'1"	-	-	-
	W-8'4"	13'7"	14'7"	8'0"	6'1"	-	-	-

* NOTE: a3 BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER

W	PRE-CAST TOP SIZE	CU. YD. CONC.
4' 4"	5'8" x 6'4" x 7 1/2"	0.38 ±
5' 4"	6'8" x 6'4" x 7 1/2"	0.51 ±
6' 4"	7'8" x 6'4" x 7 1/2"	0.64 ±
7' 4"	8'8" x 6'4" x 7 1/2"	0.77 ±
8' 4"	9'8" x 6'4" x 7 1/2"	0.90 ±



SECTION C-C



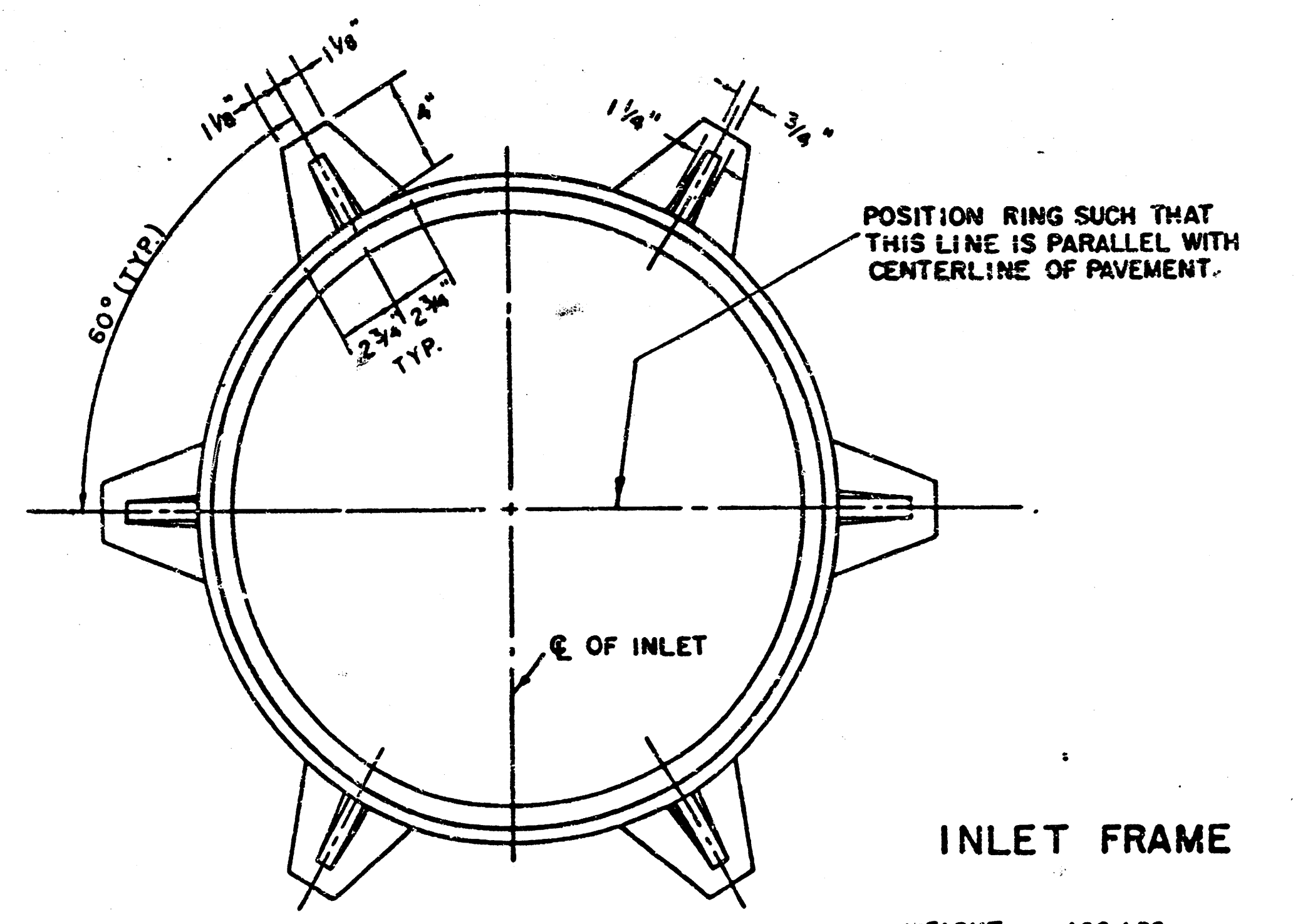
SECTION A-A

NOTE: CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING 6" THICK 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.

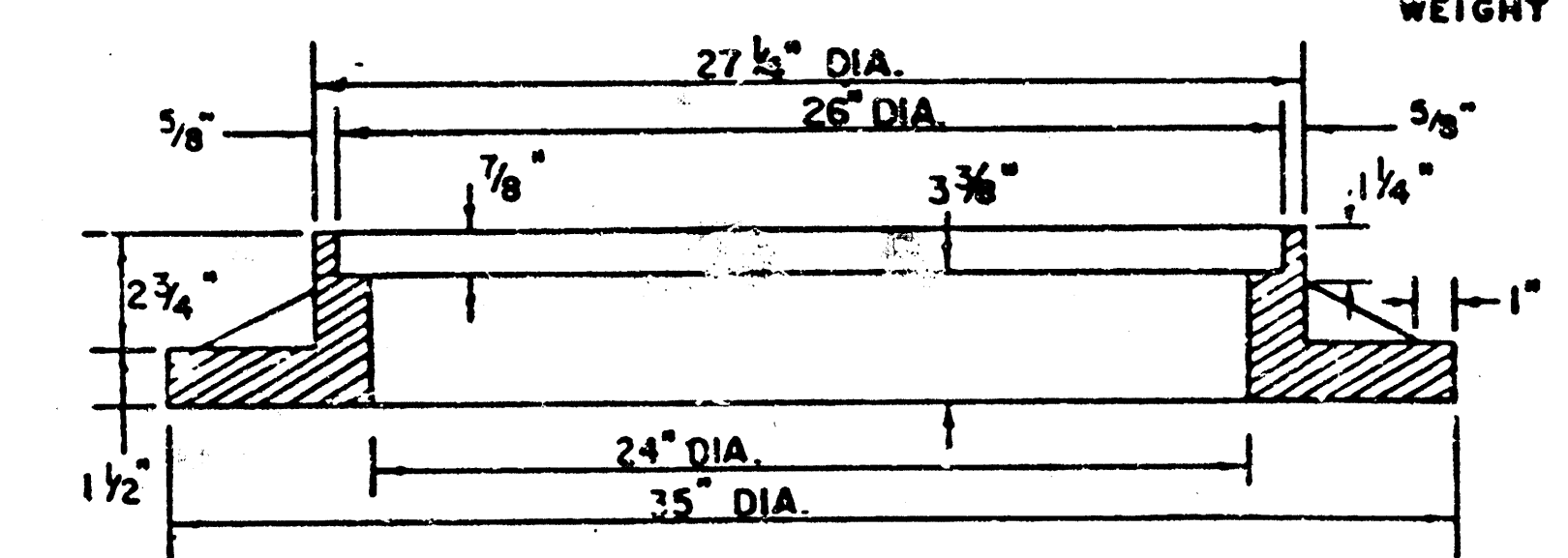
INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF-CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.

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

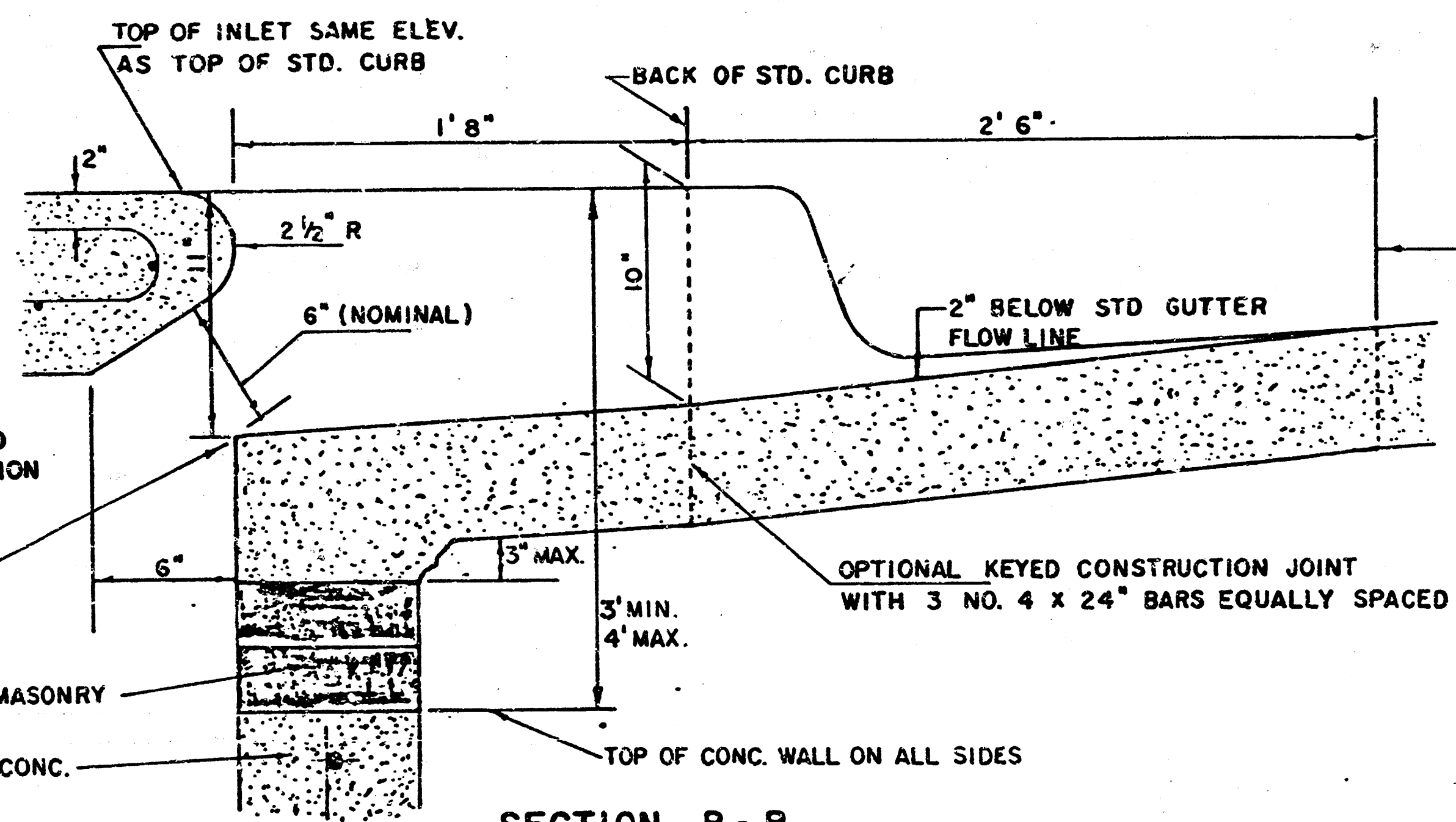


INLET FRAME

WEIGHT = 180 LBS.



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

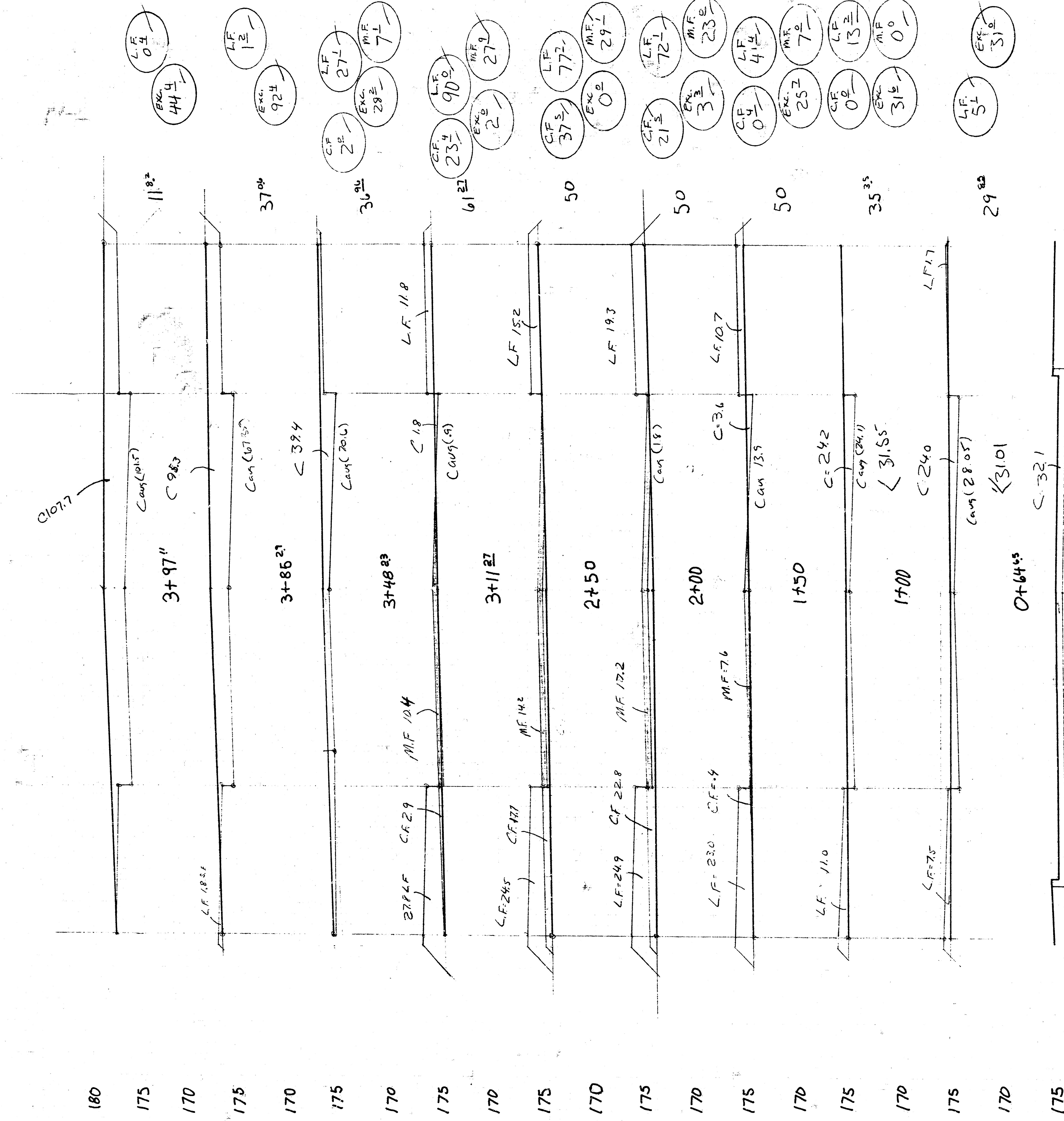


SECTION B-B

LIMITS OF GUTTER SHAPING AND/OR EDGE OF COMB. CURB AND GUTTER

REVISED 12-21-1984

DETAIL STANDARD TYPE IA CURB INLET
CITY OF WICHITA, KANSAS
INLET OPENING = 6" x 5' 0"
472-76-241-81432-000-001
JUNE 1984



$$\text{BERROW} = 1.1 \left[\frac{1}{12} (88.1 + 132.6) + 935.6 \right] - 0.8 (330.6)$$

$$= 589.6 \text{ cu'}$$

Earthwork Grand Totals:	
Excavation	330.6 C.Y.
Loose fill	935.6 C.Y.
Imported fill	132.6 C.Y.
Compacted fill	88.1 C.Y.
Page totals	
Exc.	258.6 C.Y.
L.F.	328.2 C.Y.
M.F.	94.1 C.Y.
C.F.	84.8 C.Y.

