

PHASE 1 PRIVATE STREET IMPROVEMENTS FOR TOWNE PARC 2ND ADDITION

LINDEN: FROM THE S.L. LOT 9, BLOCK 1, TOWNE PARC 2ND ADDITION TO THE S.L. CARSON

Project No.

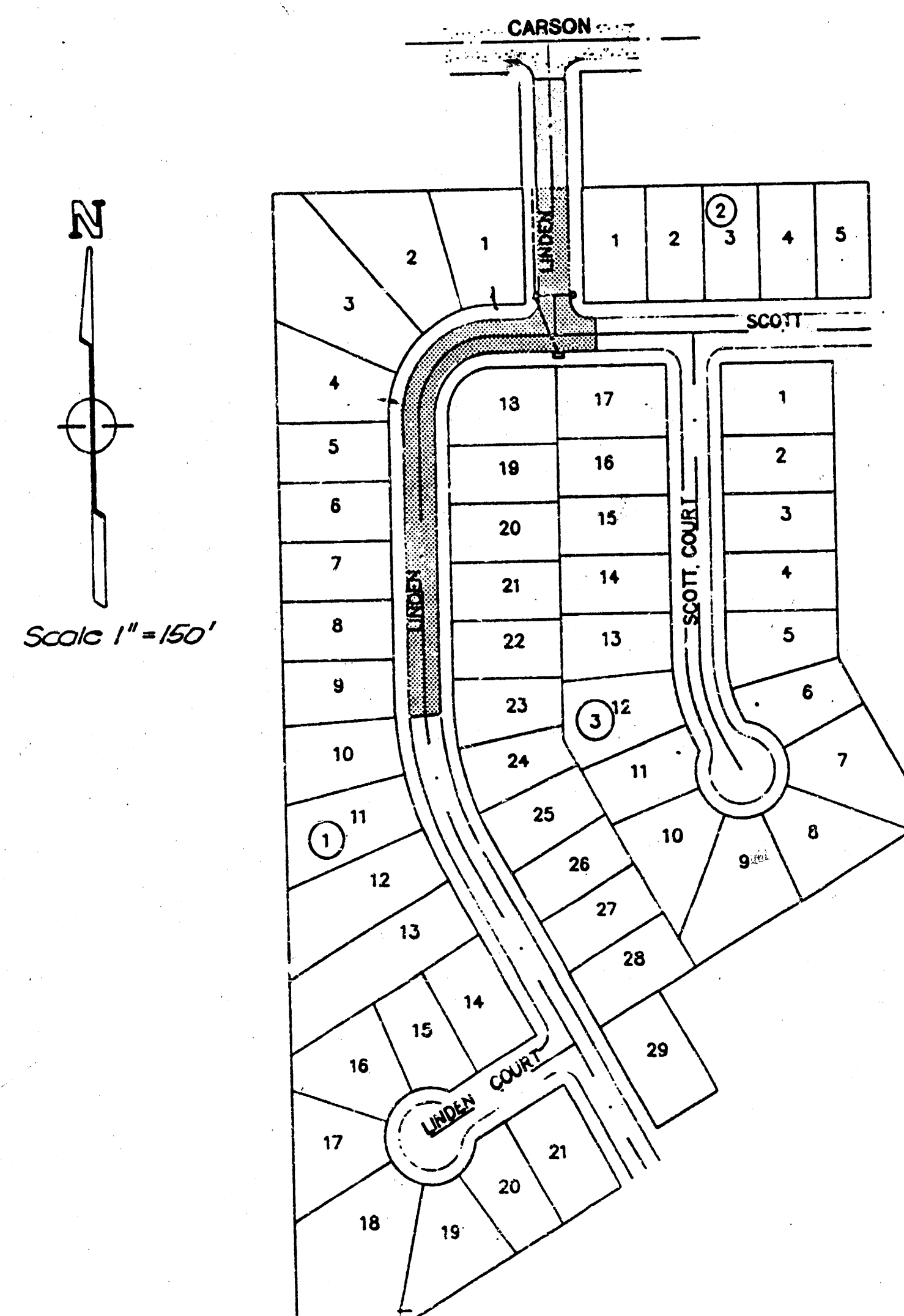
472-76-245-80001-000-000-044

City of Wichita, Kansas - Michael E. Lindebak, City Engineer

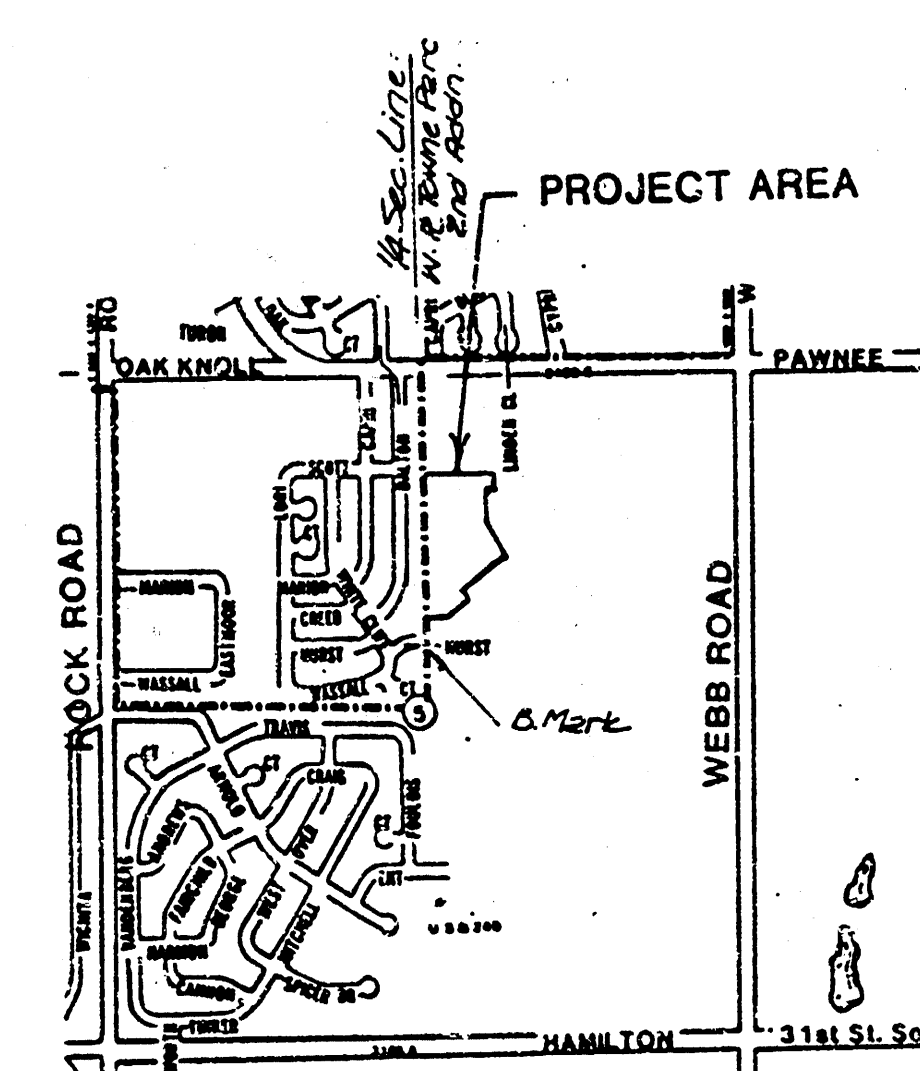
ONLY THE PAVEMENT INDICATED BELOW WILL BE CONSTRUCTED WITH THIS PROJECT

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Location Map



VICINITY MAP

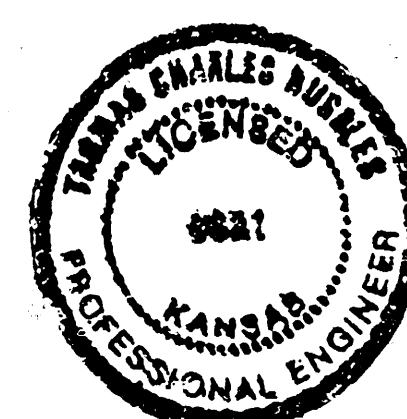
General Notes

- 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.
- 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.

CONSTRUCTION AND MAINTENANCE FOR THIS PROJECT IS PROVIDED BY A LICENSED CONSULTING ENGINEER, P.E., UNDER CONTRACT WITH THE CITY OF WICHITA. STANDARDS AND SPECIFICATIONS FOR CONSTRUCTION ENGINEERING PRACTICES AND CODES SHALL BE PERFORMED BY DESIGNATED ENGINEERS OF THE CITY OF WICHITA. ANY WORK NOT PERFORMED IN ACCORDANCE WITH THE CITY OF WICHITA STANDARDS OR PUBLIC RIGHTS OF WAY WITHOUT WRITTEN AUTHORIZATION BY THE CITY ENGINEER.

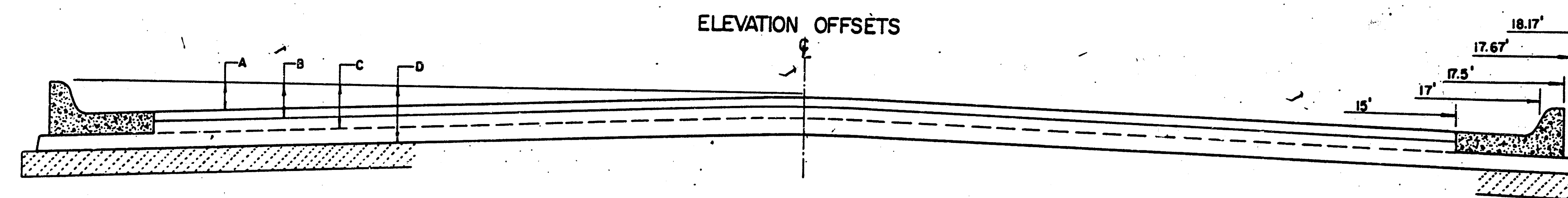
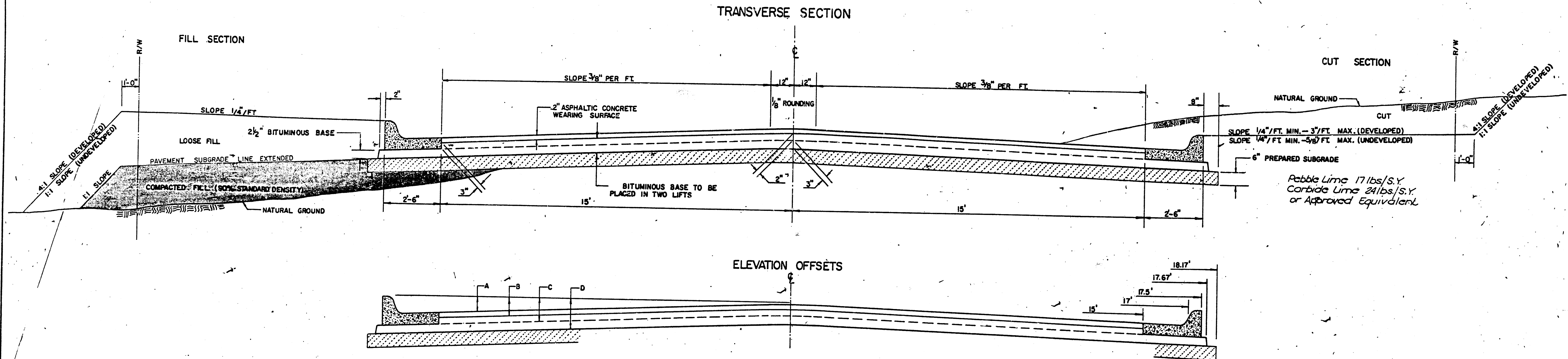
AS NOTED
CITY ENGINEER OF WICHITA

Water Mains
Drawing V.R.H. 8/10/88



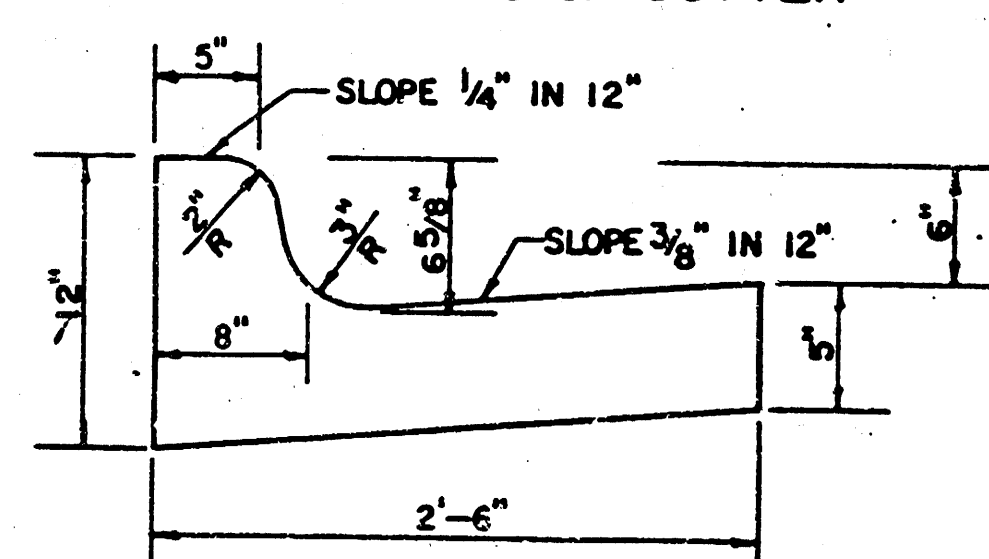
Rev. As-built 12-20-88 (Sheets 4, 5, 6, 8, 10)
BAUGHMAN COMPANY P. A.
SURVEYING & ENGINEERING
316/282-7271 • 315 ELLIS • WICHITA, KANSAS 67211

TYPICAL 35' PAVEMENT DETAILS

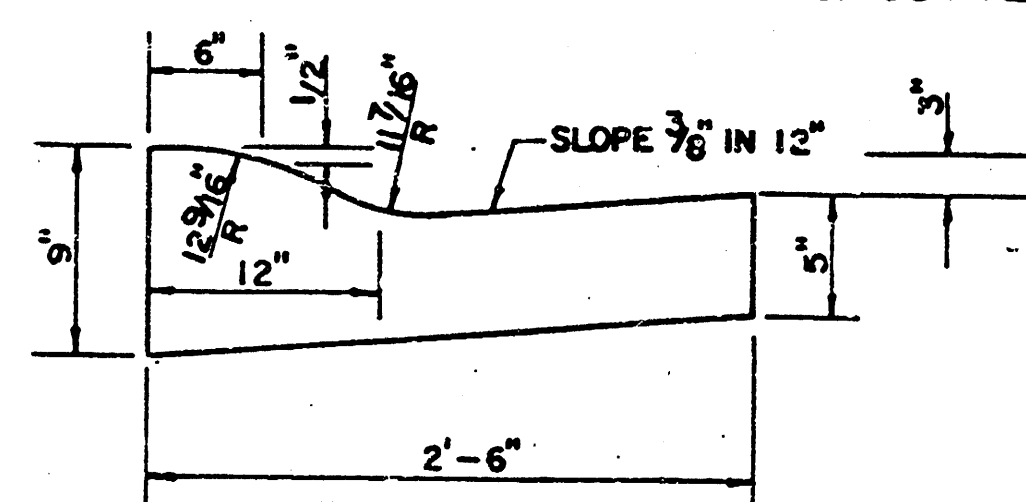


	DISTANCE FROM CENTERLINE (LT. & RT.)												
	0'	2'	4'	6'	8.5'	10'	12'	14'	15'	17'	17.5'	17.67'	18.17'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.04	0.08	0.14	0.21	0.29	0.33	0.39	0.46	0.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.21	0.25	0.31	0.37	0.45	0.50	0.56	0.62	0.65	—	—	—	—
C: TOP 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



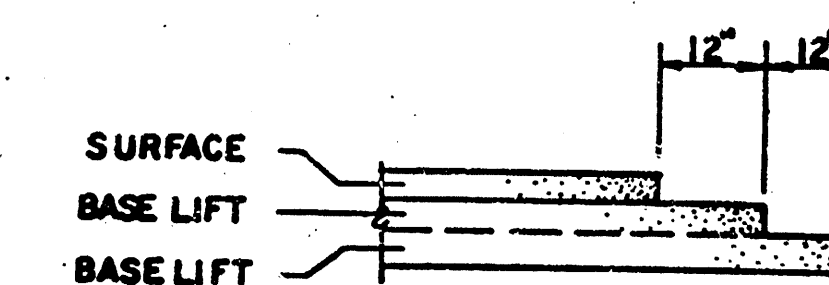
ROLL TYPE COMBINED CURB & GUTTER



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

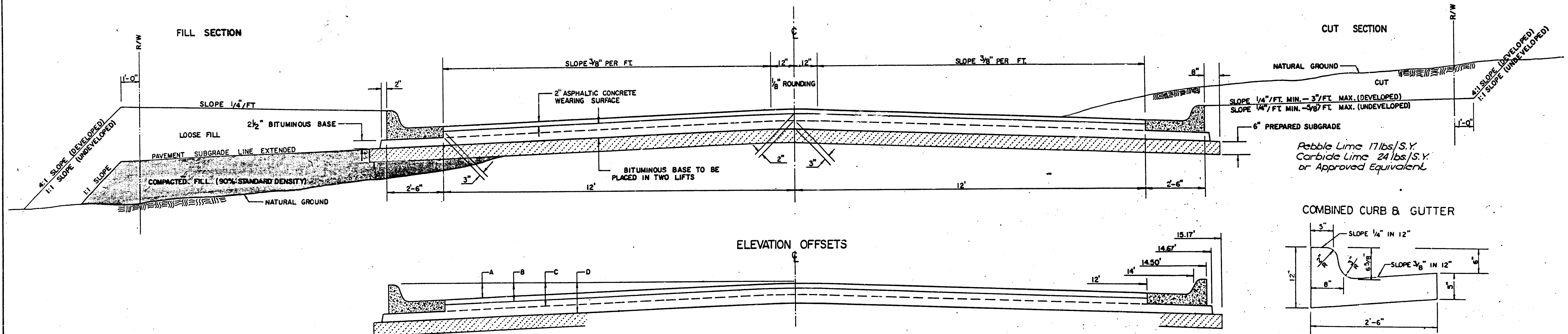


TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINTS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 7" ASPHALTIC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

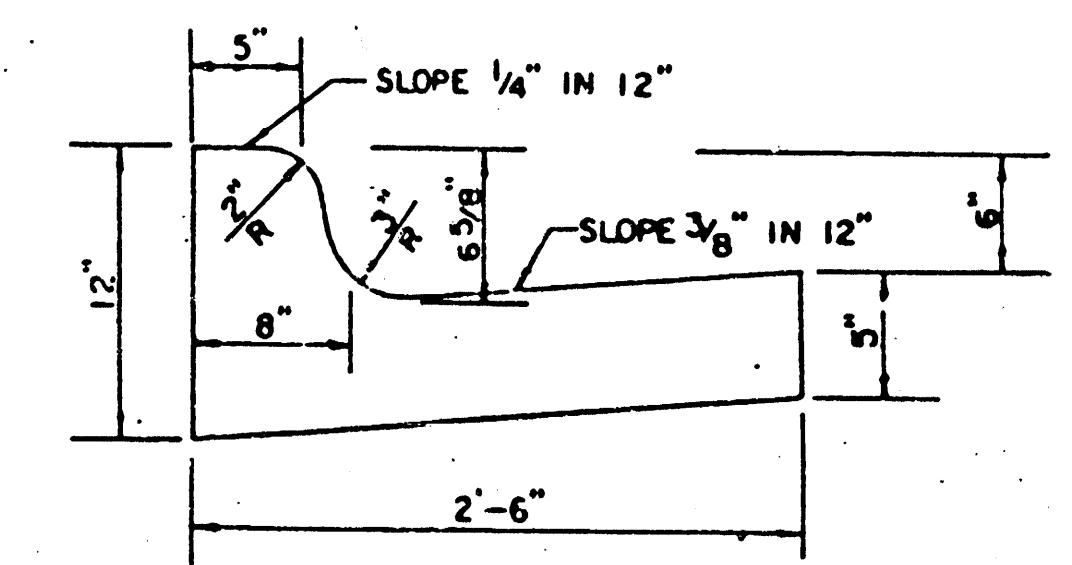
7 INCH RESIDENTIAL ASPHALTIC CONCRETE
PAVEMENT WITH 5 INCH BITUMINOUS BASE
CITY OF WICHITA, KANSAS
PROJECT NUMBER
472-76-245-80001-000-000-12

TYPICAL 29' PAVEMENT DETAILS

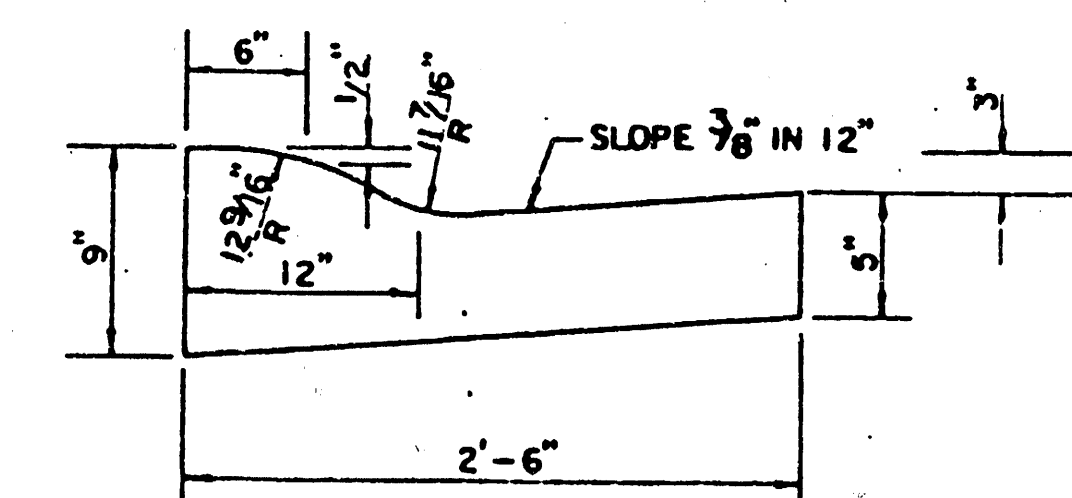
TRANSVERSE SECTION



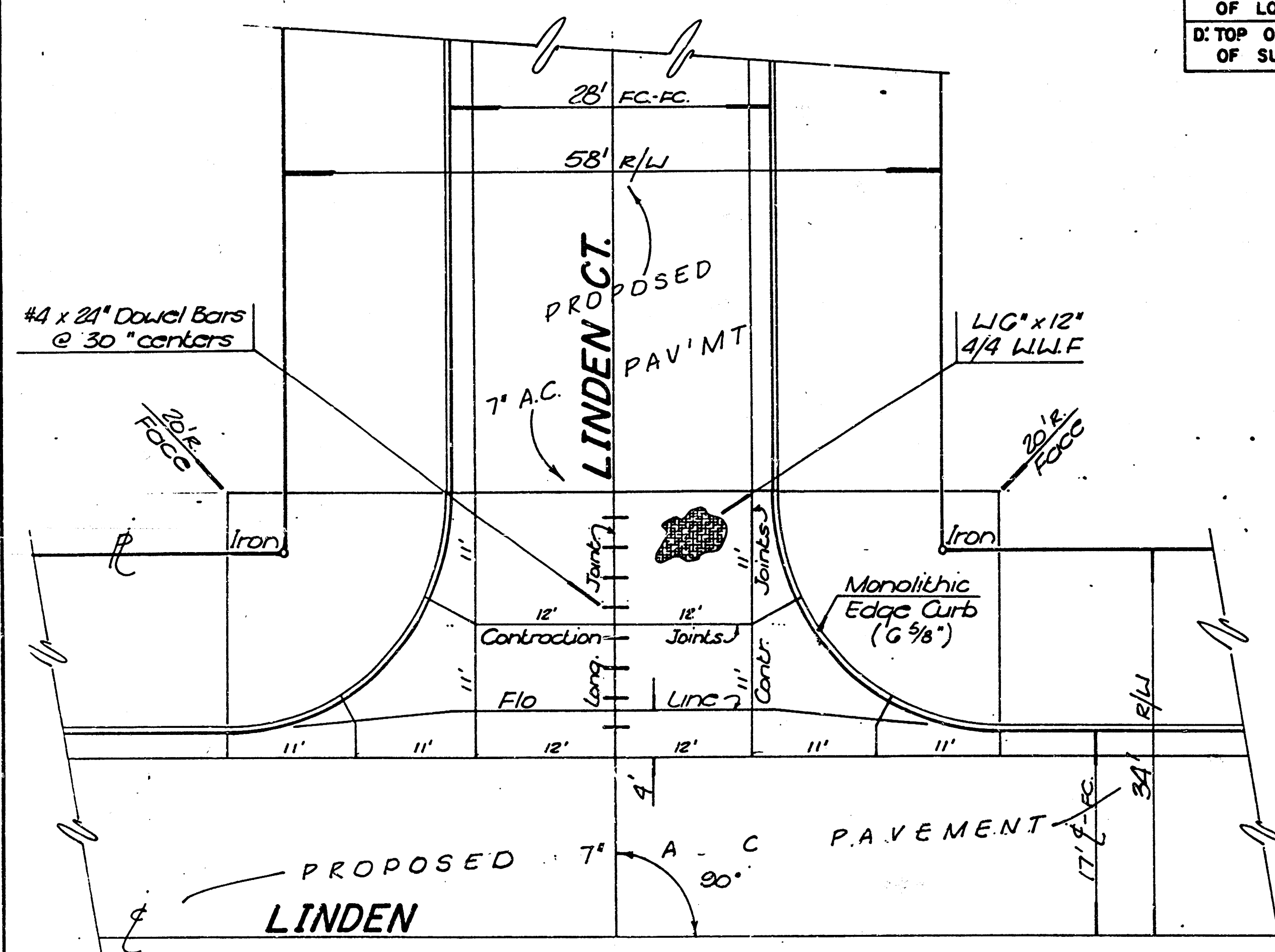
COMBINED CURB & GUTTER



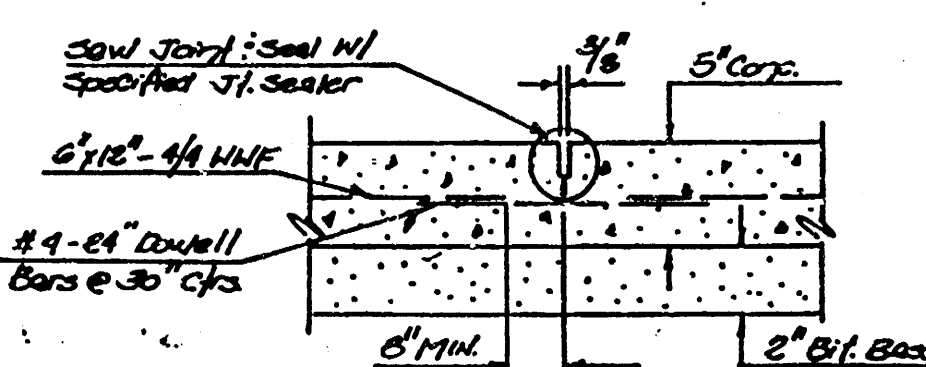
ROLL TYPE COMBINED CURB & GUTTER



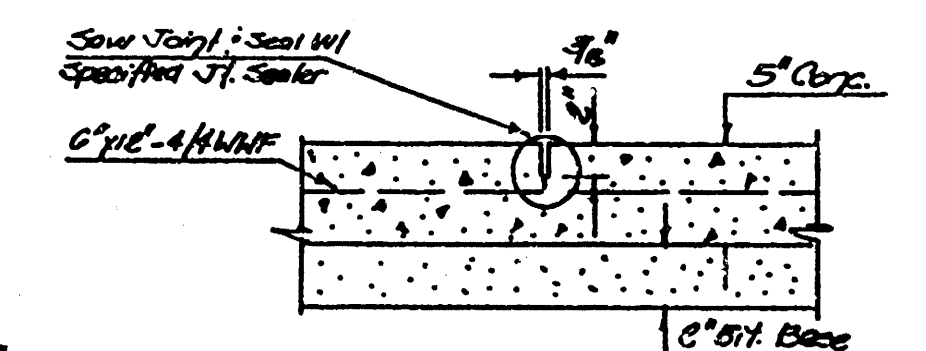
VALLEY GUTTER DETAIL



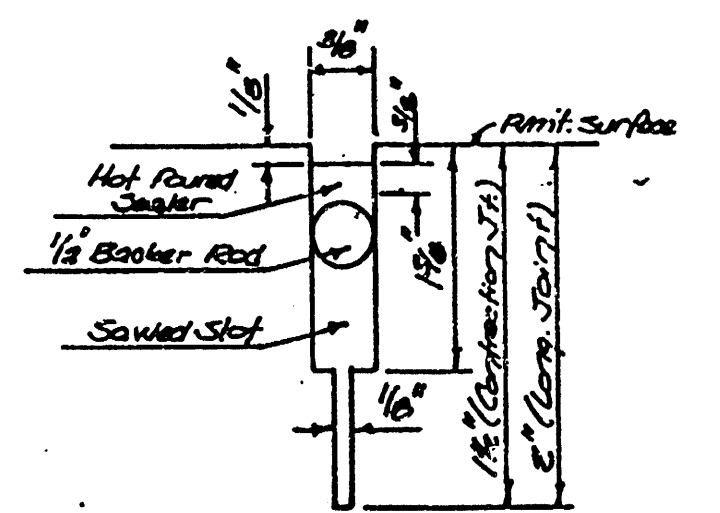
	DISTANCE FROM CENTERLINE (LT. & RT.)											
	0'	2'	4'	6'	8'	10'	12'	14'	14.5'	14.67'	15.17'	
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.13	0.18	0.24	0.30	0.33	0.36	0.43	0.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.30	0.35	0.41	0.47	0.50	0.53	0.60	0.66	—	—	—	—
C: TOP OF CURBS TO TOP OF LOWER BASE LIFT	0.47	0.52	0.60	0.68	0.71	0.75	0.83	0.90	0.98	1.00	1.01	—
D: TOP OF CURBS TO TOP OF SUBGRADE	0.72	0.77	0.84	0.91	0.94	0.98	1.05	1.12	1.19	1.21	1.21	1.23



LONGITUDINAL JOINT DETAIL FOR VALLEY GUTTER



CONTRACTION JOINT DETAIL FOR VALLEY GUTTER

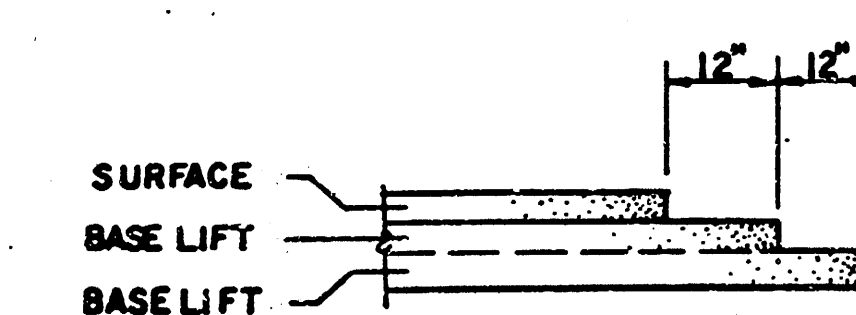


SAW JOINT DETAIL FOR CONT. AND LONG. JOINTS

GENERAL NOTES

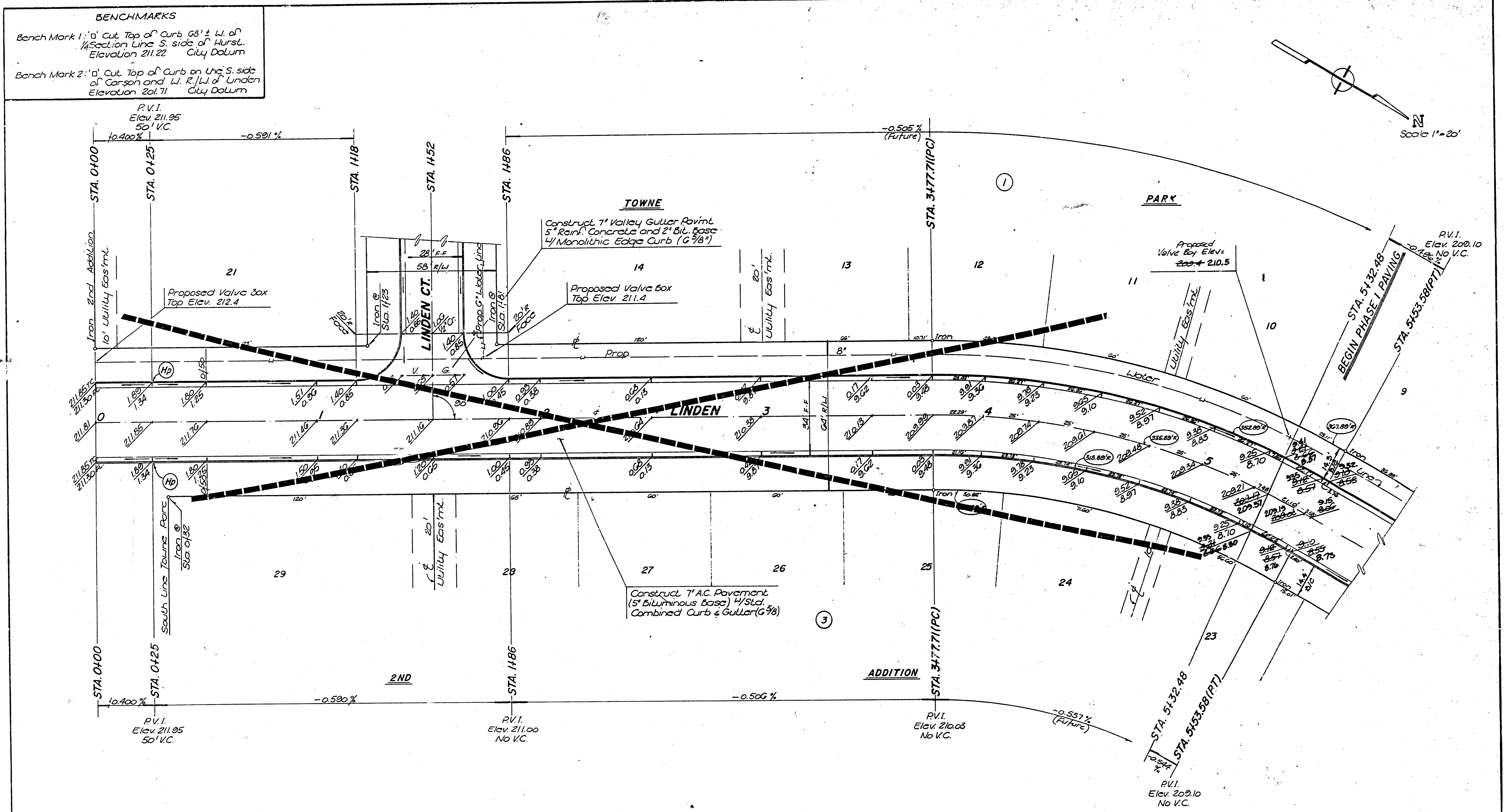
- 1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).
- 2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 2 1/2" BITUMINOUS BASE.
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- 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

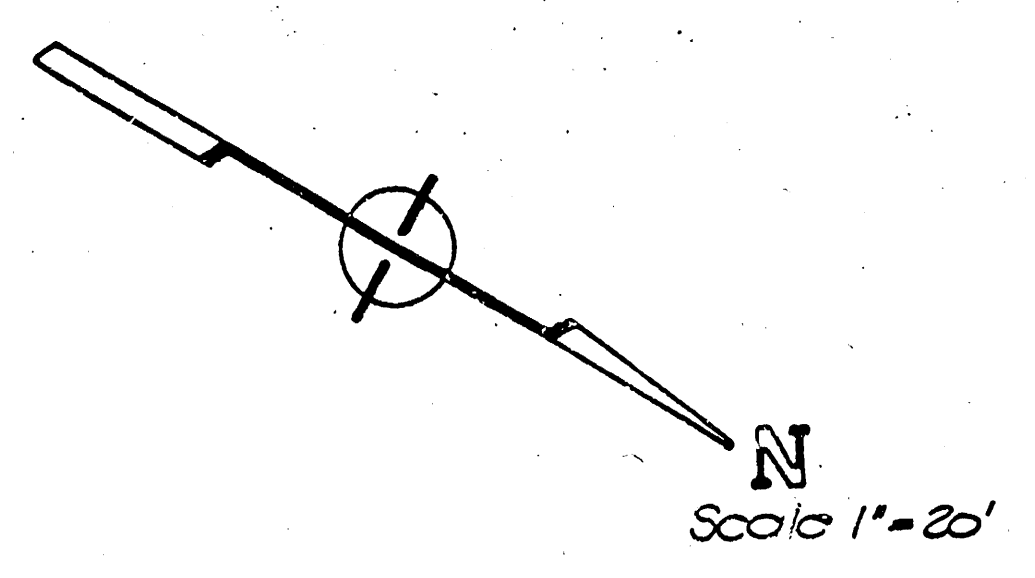


TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 7" ASPHALTIC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

7 INCH RESIDENTIAL ASPHALTIC CONCRETE
PAVEMENT WITH 5 INCH BITUMINOUS BASE
CITY OF WICHITA, KANSAS
PROJECT NUMBER
472-76-245-80001-000-000-
12



BENCHMARKS
Bench Mark 1: "a" Cut Top of Curb 08' ± W. of
1/4 Section Line S. side of Hurst.
Elevation 211.22 City Datum
Bench Mark 2: "a" Cut Top of Curb on the S. side
of Carson and W. R. W. of Linden
Elevation 201.71 City Datum



CURVE DATA BASED ON CENTERLINE DATA

$R = 336.80'$, $\Delta = 30^\circ 00'$, $L = 175.87'$, $\text{Chd.} = 173.87'$, $\text{Tan.} = 90'$, $\text{Def./ft.} = 5.1174'$ min.

Station	Arc Length	CHORD LENGTHS		Deflection Angle	Total Deflection Angle
		8' Left/face	8' Right/face		
3+77.71(PC)	22.29'	23.95'	20.63'	0°00'	0°00'
4+00	25	20.85'	23.13'	2°01'50"	1°54'04"
4+25	25	20.85'	23.13'	2°01'50"	4°02'00"
4+50	25	20.85'	23.13'	2°01'50"	6°09'56"
4+75	25	20.85'	23.13'	2°01'50"	8°17'52"
5+00	25	20.85'	23.13'	2°01'50"	10°25'48"
5+25	25	20.85'	23.13'	2°01'50"	12°33'45"
5+53.58(P)	21.10'	8.03'	18.53'	0°38'10"	13°12'01"

NOTE: PHASE I PAVING BEGINS @ STATION 5+32.48.
PAVEMENT FROM STA. 0+00 TO STA. 5+32.48
WILL BE CONSTRUCTED UNDER A FUTURE
PROJECT.

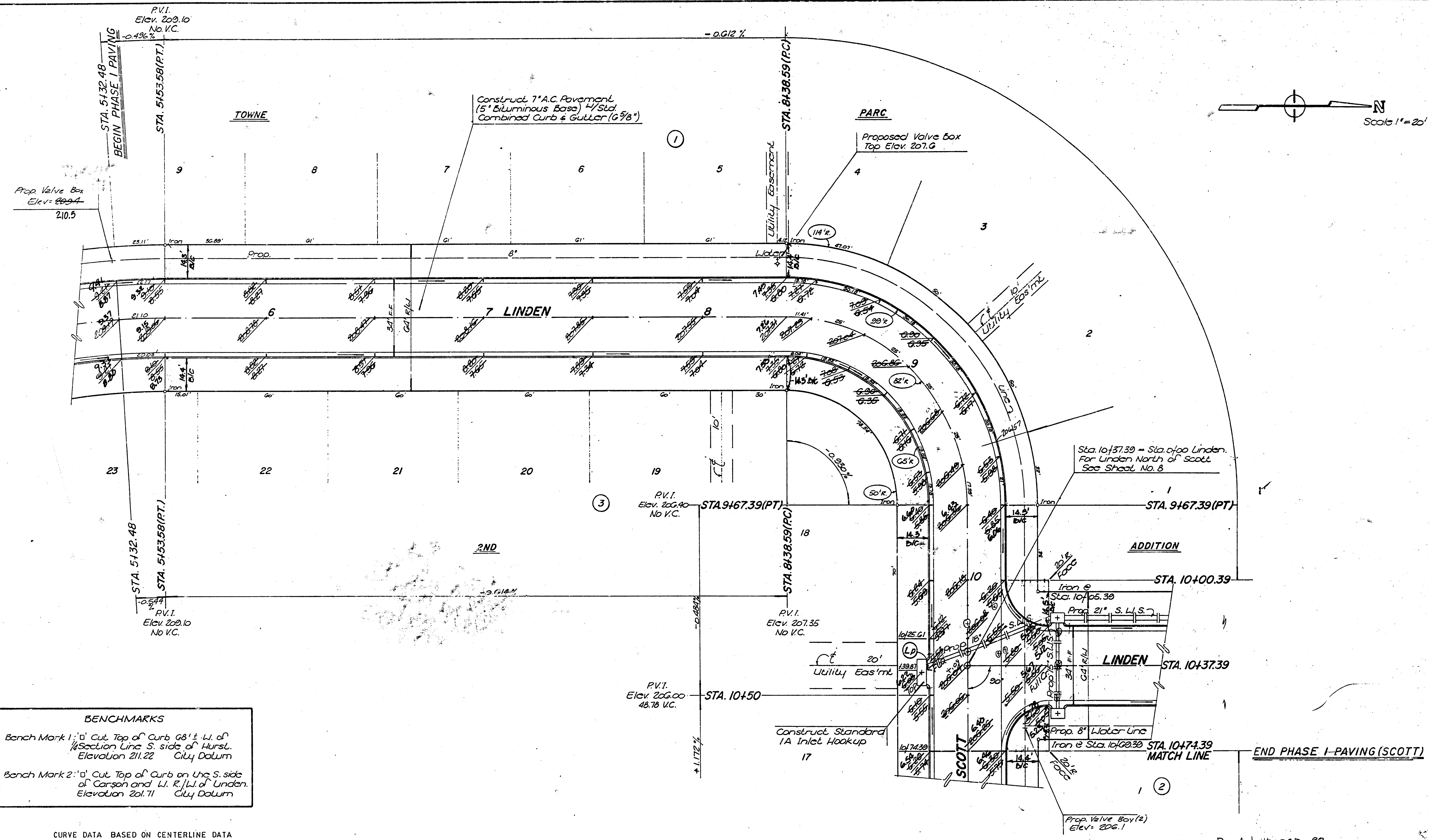
Rev. As-Built 12-20-88

LINDEN
STA. 0+00 TO STA. 5+53.58

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

PROJECT NUMBER
472-76-245-80001-000-000-

DESIGN: C. Bohm, DRAWN: R. J. Plush, APPROVED: [Signature], DATE: [Blank], SCALE: 1" = 20', SHEET: 4 OF 12



Rev. As built 20 Dec 88

LINDEN & SCOTT.
STA. 5132.48 TO STA. 10474.39

BAUGHMAN COMPANY P. A.
SURVEYING & ENGINEERING
318/282-7271 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER
472-76-245-80001-000-000-

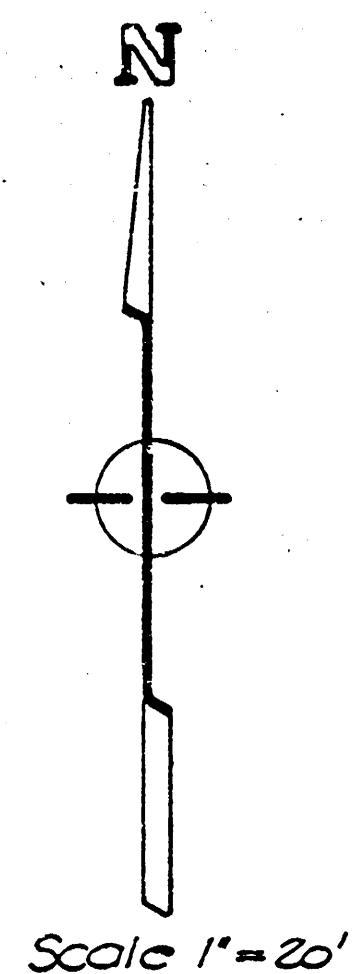
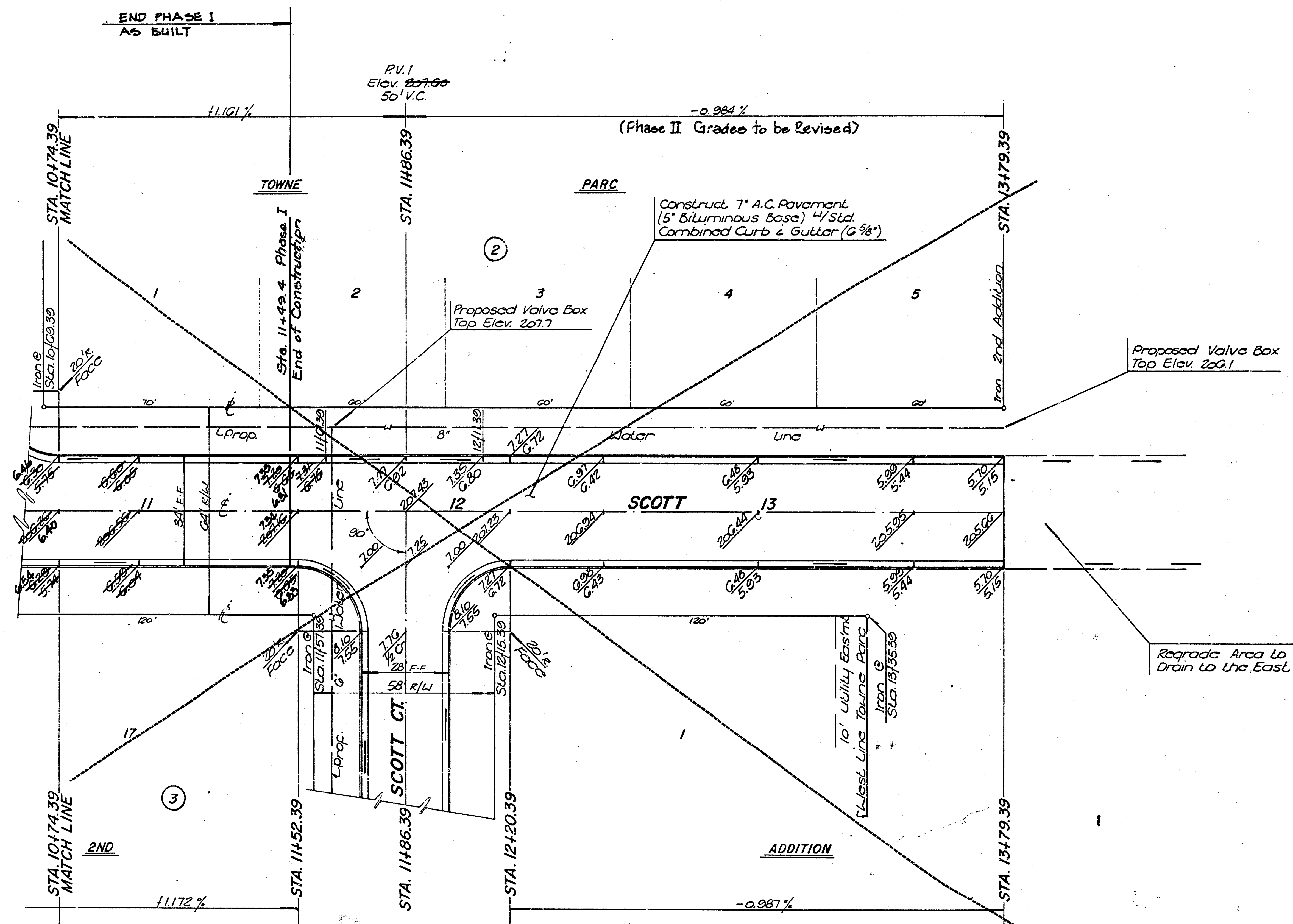
DESIGN: C. Bohm DRAWN: R.J. Rush APPROVED: DATE: SCALE: 1" = 20'

REV. 5/12 SHEET 5 OF 12

BENCHMARKS

Bench Mark 1: 1' 0" Cut Top of Curb 98' ± W. of
1/4 Section Line S. side of Hurst.
Elevation 211.22 City Datum

Bench Mark 2: 1' 0" Cut Top of Curb on the S. side
of Carson and W. R/W of Under.
Elevation 201.71 City Datum



NOTE: NO PAVING PAST STATION 10+74.39 WILL BE CONSTRUCTED ON SCOTT WITH THIS PROJECT. THE REMAINDER OF THE PAVING WILL BE CONSTRUCTED UNDER A FUTURE PROJECT.

AS-BUILTS
Private paving
#472-80001-044

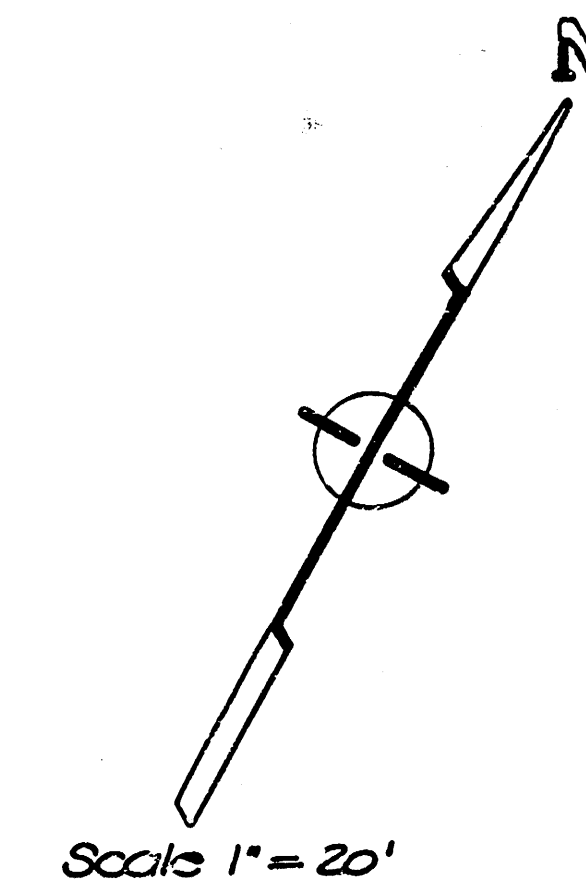
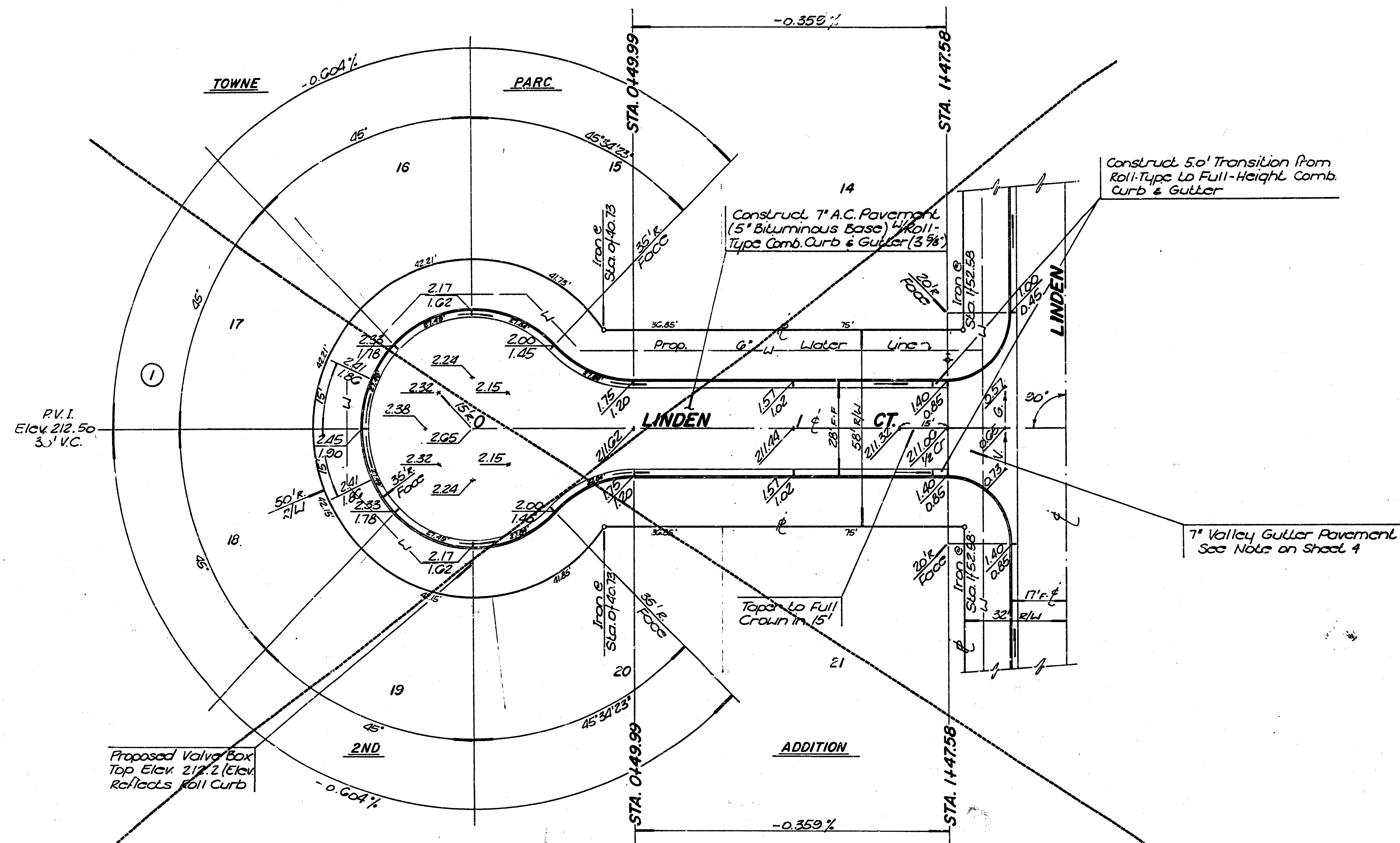
Rev. As-Built 12-20-88

SCOTT			
STA. 10+74.39 TO STA. 13+79.39			
BAUGHMAN COMPANY P. A.			
SURVEYING & ENGINEERING			
316/282-7271 • 315 ELLIS • WICHITA, KANSAS 67211			
PROJECT NUMBER			
472-76-245-80001-000-000-			
DESIGN	DRAWN	APPROVED	DATE
C. Bohm	R.J. Plush		
SCALE			1" = 20'
SHEET			6 OF 12

BENCHMARKS

Bench Mark 1: 1'0" Cut Top of Curb 68' ± W. of
1/4 Section Line S. side of Hurst.
Elevation 211.22 City Datum

Bench Mark 2: 1'0" Cut Top of Curb on the S. side
of Carson and W. R. of Linden.
Elevation 201.71 City Datum



NOTE
Roll-Type Combined Curb & Gutter (3 3/8\") is to
be constructed in Linden Court. Transitions
from Roll-Type to Full-Height Curb to be paid
for as LF of Full-Height Comb. Curb & Gutter (6 9/8\")

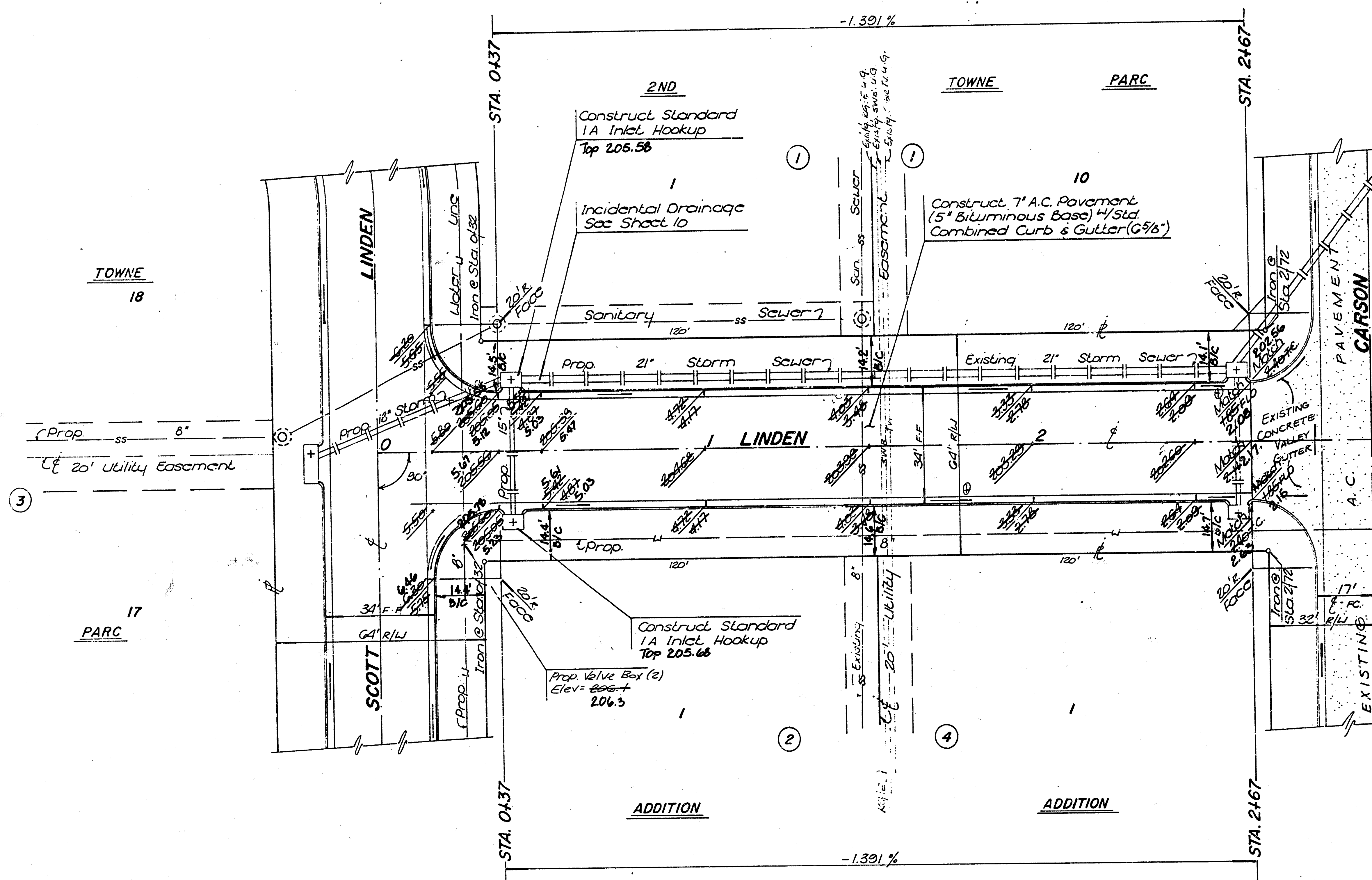
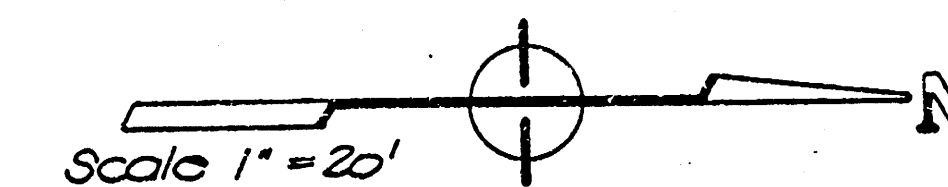
NOTE
PAVEMENT ON LINDEN COURT WILL NOT BE
CONSTRUCTED ON THIS PROJECT. PROVIDED
FOR INFORMATION ONLY.

LINDEN CT.				
STA. 0+00 TO STA. 1+47.58				
BAUGHMAN COMPANY P. A.				
SURVEYING & ENGINEERING				
316/282-7271 • 315 ELLIS • WICHITA, KANSAS 67211				
PROJECT NUMBER				
472-76-245-80001-000-000-				
DESIGN	DRAWN	APPROVED	DATE	SCALE
C. Bachm	R.J. Plush			1\"/>

BENCHMARKS

Bench Mark 1: 1'0" Cut Top of Curb 68'± W. of
1/4 Section Line S. side of Hurst.
Elevation 211.22 City Datum

Bench Mark 2: 1'0" Cut Top of Curb on the S. side
of Carson and W. R/W of Linden.
Elevation 201.71 City Datum



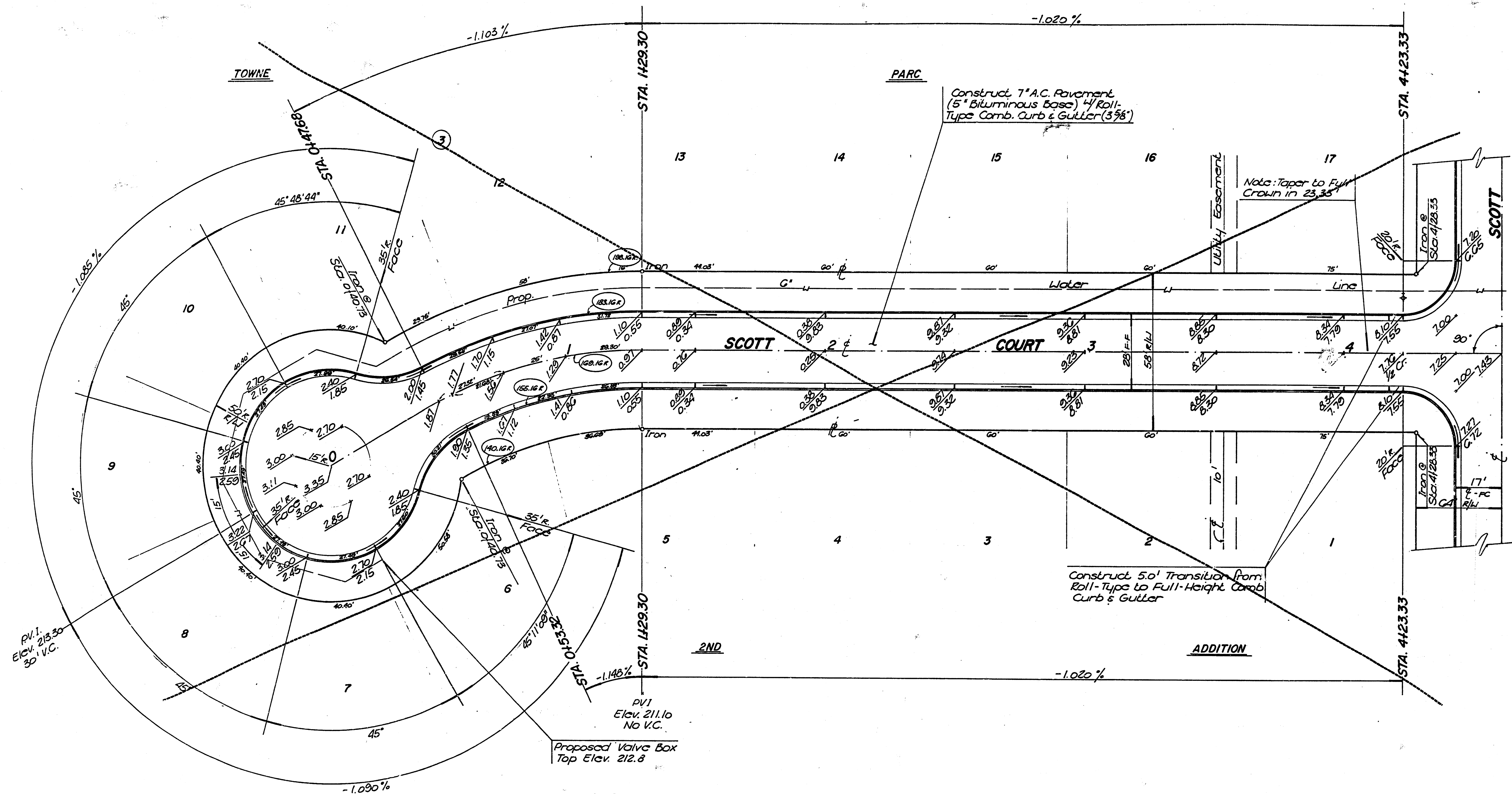
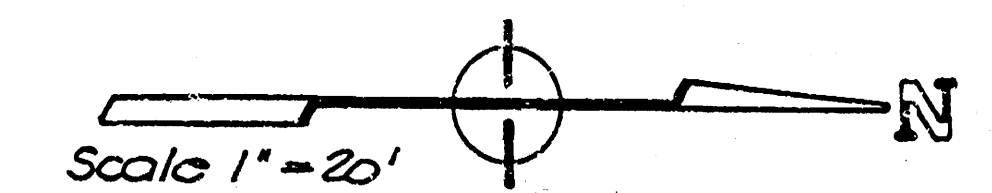
Rev. As built 20 Dec 88

LINDEN				
STA. 0+00 TO STA. 2+67				
	BAUGHMAN COMPANY P. A.			
	SURVEYING & ENGINEERING			
	316/282-7271 • 315 ELLIS • WICHITA, KANSAS 67211			
PROJECT NUMBER				
472-76-245-80001-000-000-				
DESIGN	DRAWN	APPROVED	DATE	SCALE
C. Bohm	R.J. Plush			1" = 20'
				REV.
				8/12
				SHEET
				8
				OF
				12

BENCHMARKS

Bench Mark 1: 1'0" Cut Top of Curb 68' ± W. of 1/4 Section Line S. side of Hurst. Elevation 211.22 City Datum

Bench Mark 2: 1'0" Cut Top of Curb on the S. side of Carson and W. R. of W. of Under. Elevation 201.71 City Datum



CURVE DATA BASED ON CENTERLINE DATA

$R = 109.16 \Delta = 30^\circ L = 88.57 \text{ Chd.} = 87.56 \text{ Tan.} = 45.33 \text{ Def. ft.} = 10.16/45 \text{ min.}$

Station	Arc Length	CHORD LENGTHS		Deflection Angle	Total Deflection Angle
		8' Left/face	8' Right/face		
0+40.73 PC	—	—	—	0°00'	0°00'
0+47.68 W	6.95	7.52	—	1°10'37"	1°10'37"
0+53.32 IC	5.64	—	5.17	0°57'19"	2°07'56"
0+75	21.68	15.95	19.87	3°40'18"	5°48'14"
1+00	25	21.04	22.91	4°14'02"	10°02'16"
1+29.30 PT	29.30	31.69	26.84	4°57'44"	15°00'00"

NOTE

Roll-Type Combined Curb & Gutter (5 3/8") is to be Constructed in Scott Court. Transitions from Roll-Type to Full-Height Curb to be paid for as LF of Full-Height Comb. Curb & Gutter (6 3/8")

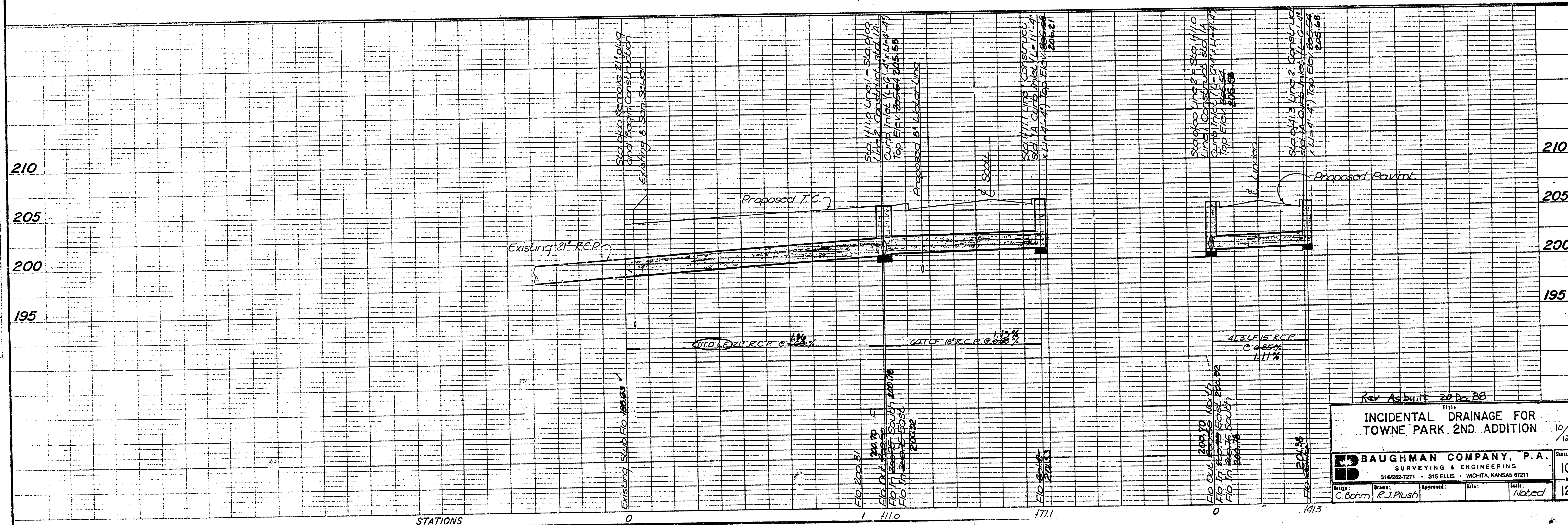
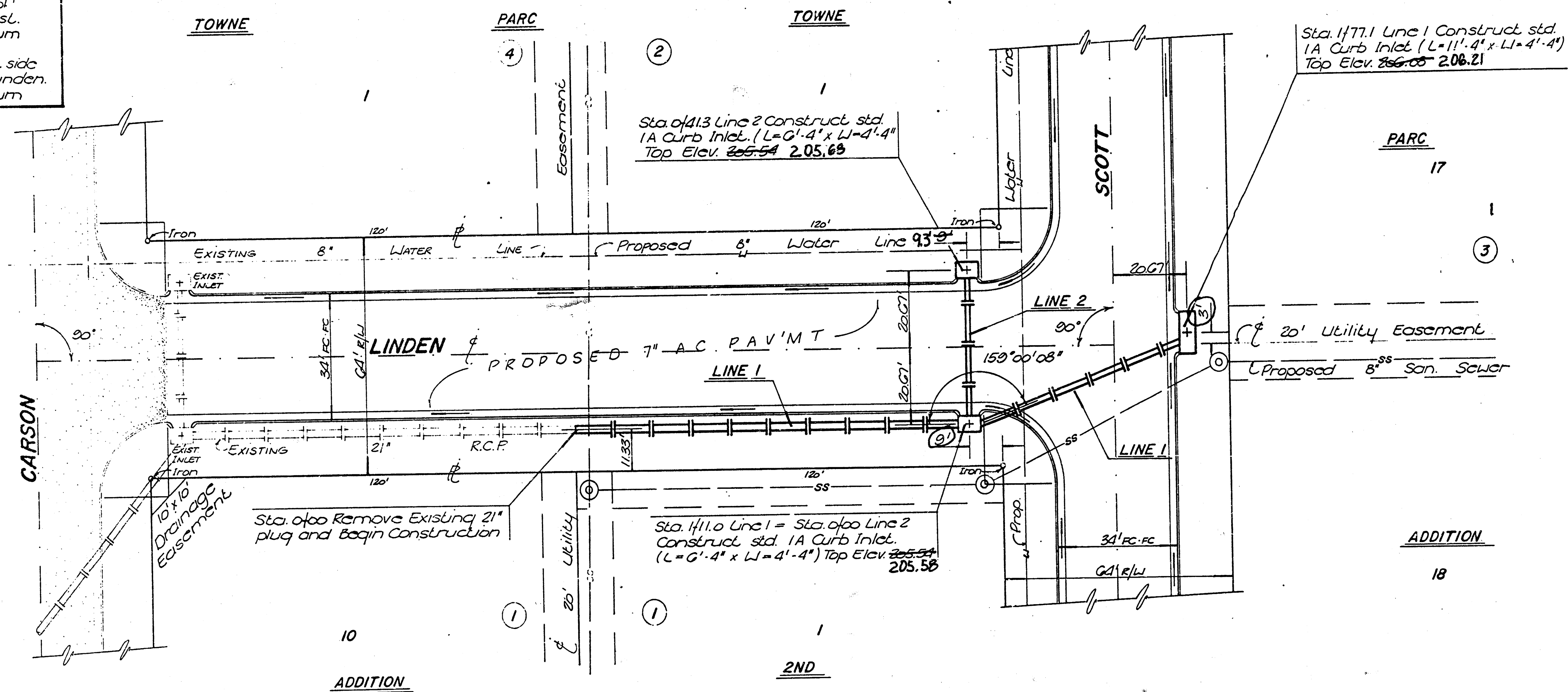
NOTE

PAVEMENT ON SCOTT COURT WILL NOT BE CONSTRUCTED WITH THIS PROJECT. PROVIDED FOR INFORMATION ONLY.

SCOTT COURT			
STA. 0+00 TO STA. 4+60.33			
BAUGHMAN COMPANY P. A. SURVEYING & ENGINEERING 316/262-7271 • 315 ELLIS • WICHITA, KANSAS 672.1			
PROJECT NUMBER			
472-76-245-80001-000-000-			
DESIGN	DRAWN	APPROVED	DATE
C. Bohm	R. J. Rush		
SCALE 1" = 20'		SHEET 9 OF 12	

Bench Mark 1: '0' Cut Top of Curb 33' $\pm$ W. of
1/4 Section Line S. side of Hurst.
Elevation 211.22 City Datum

Bench Mark 2: '0' Cut Top of Curb on the S. side
of Carson and W. R. / W. of Uden.
Elevation 201.71 City Datum

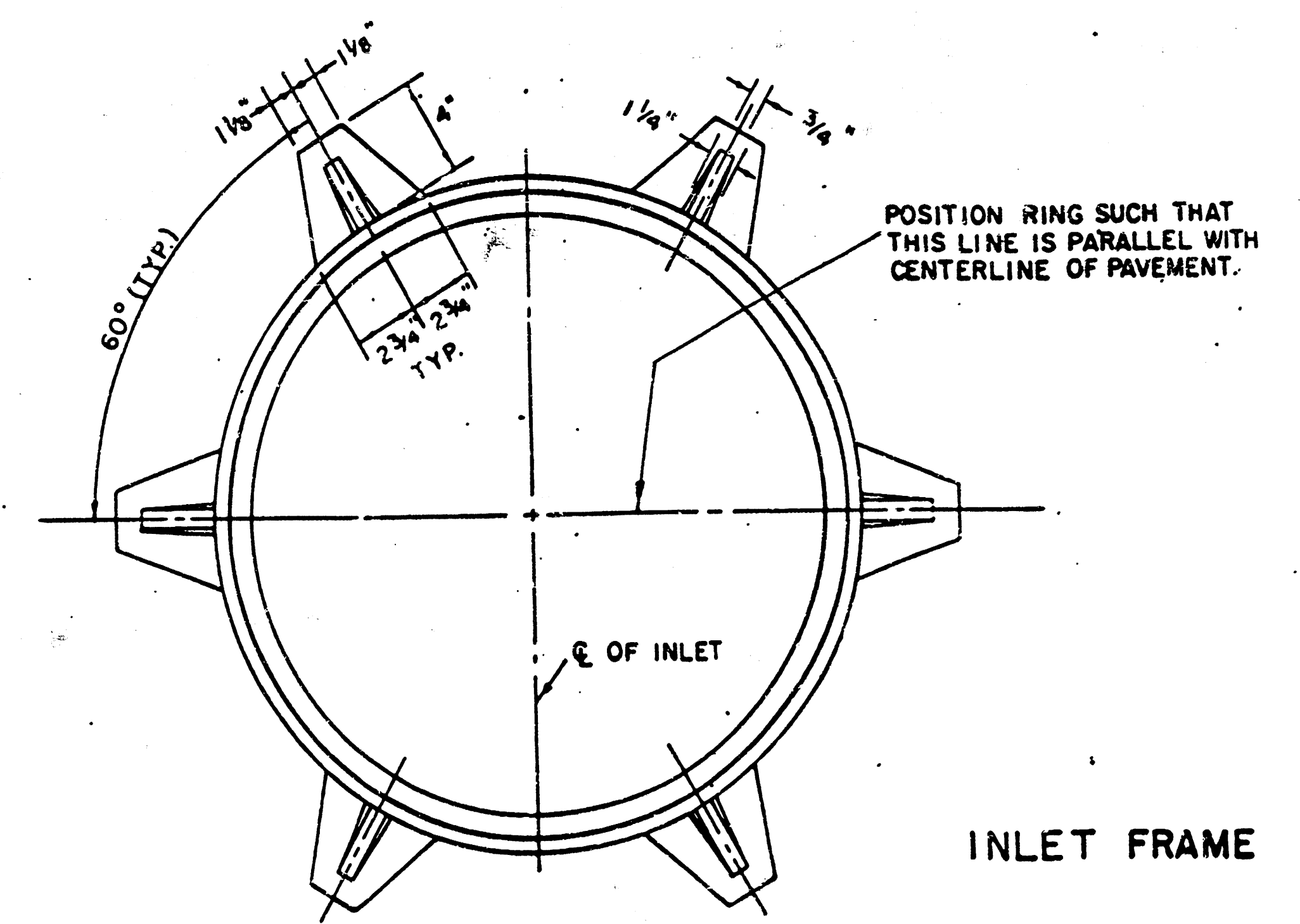


Rev As built 20 Dec 88

No.	Description	Title
1	INCIDENTAL DRAINAGE FOR TOWNE PARK 2ND ADDITION	

B BAUGHMAN COMPANY, P.A.
SURVEYING & ENGINEERING
 316/282-7271 • 315 ELLIS • WICHITA, KANSAS 67211

10	10
12	12



TOP OF INLET SAME ELEV.
AS TOP OF STD. CURB

BACK OF STD. CURB

2"

1' 8"

2' 6"

2 1/2" R

6" (NOMINAL)

10"

2" BELOW STD GUTTER
FLOW LINE

6"

3" MAX.

3" MIN.
4" MAX.

OPTIONAL KEYED CONSTRUCTION JOINT
WITH 3 NO. 4 x 24" BARS EQUALLY SPACED

TOP OF CONC. WALL ON ALL SIDES

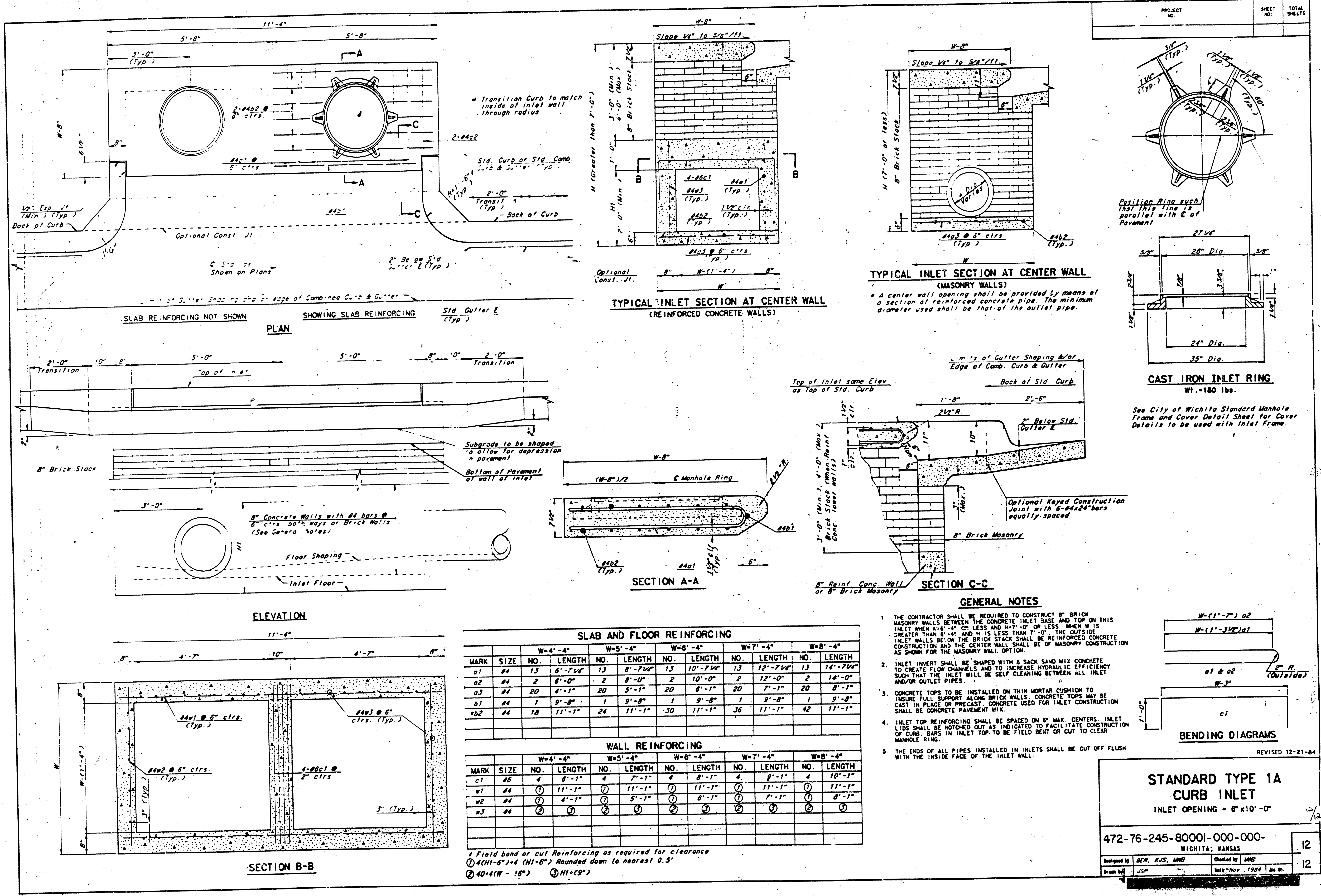
MASONRY

CONC.

SECTION D-D

SECTION B - B

JUNE 1984



STANDARD TYPE 1A CURB INLET

INLET OPENING = 6' x 10' - 0"

472-76-245-80001-000-000-
WICHITA, KANSAS

Designed by **BER, KLS, AND** Checked by **AND**
Drawn by **JGP** Date **Nov. 1984** Job No. **12**

REVISED 12-21-84