

CITY OF WICHITA, KANSAS

STREET IMPROVEMENTS

(G.P.-S. 3RD ADDITION)

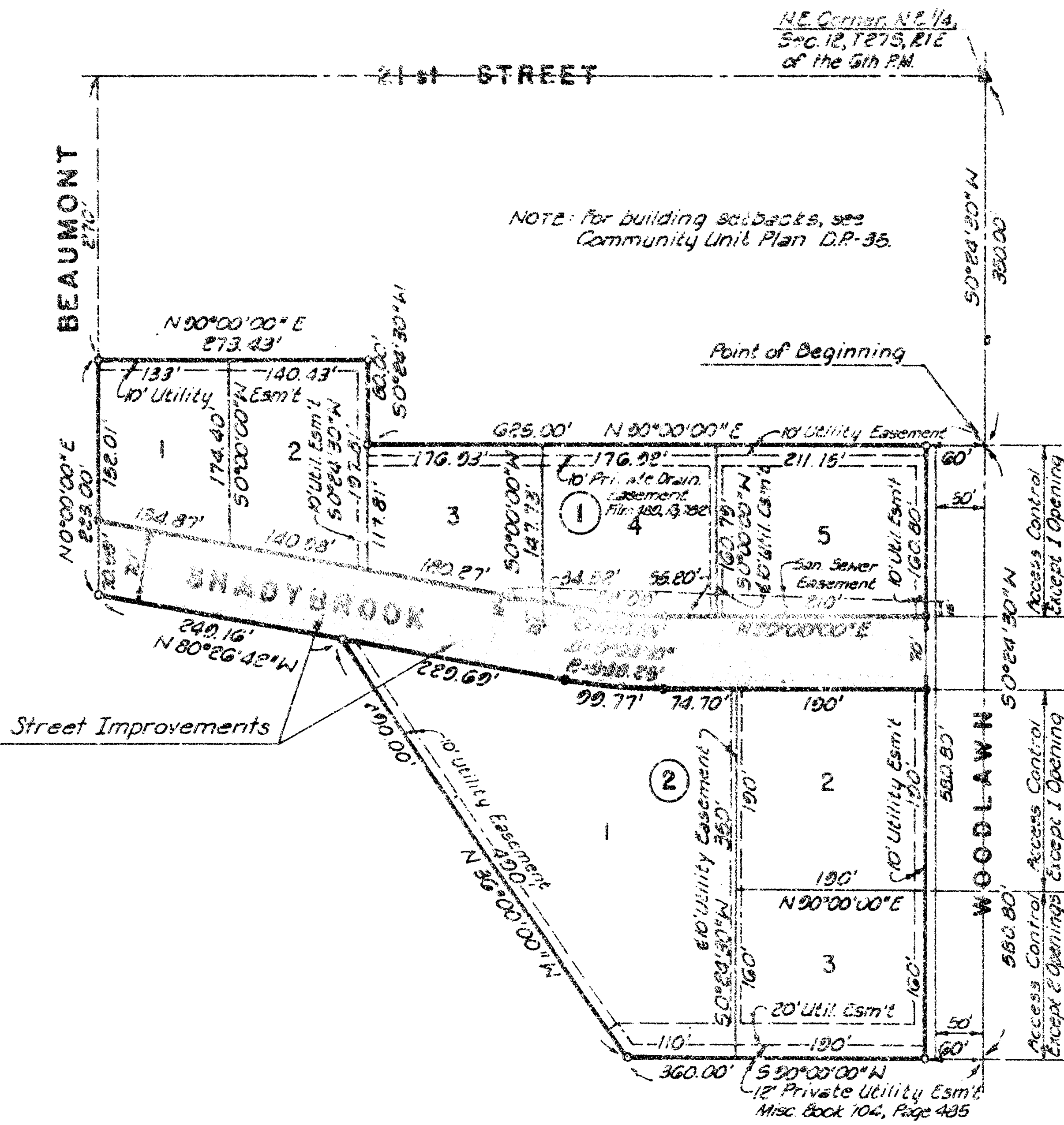
R. W. BRUGGEMAN - DIRECTOR OF ENGINEERING/CITY ENGINEER

PROJECT NO. 472-76-245-81114-000-000-001

BENCH MARKS

B.M. - City of Wichita Bench Mark Disc, NE Cor. of 21st Street & Woodlawn. Elev. = 200.65

B.M. - R.R. Spike in Power Pole, SW Cor. of Bowling Alley Elev. = 209.67



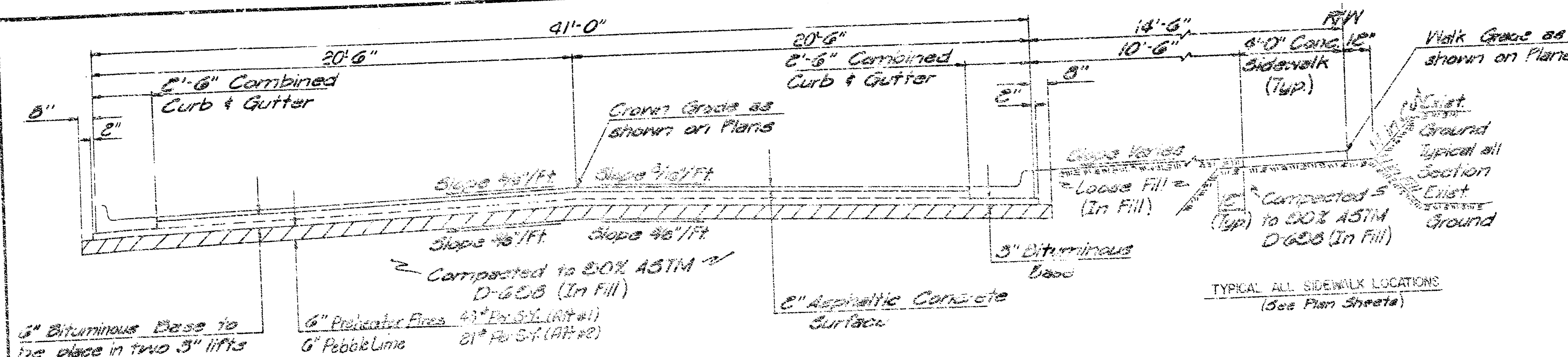
INDEX OF SHEETS

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2. TYPICAL SECTIONS
- 3-4. PLAN SHEETS
5. PAVING DETAILS
6. STORM SEWER PLAN & PROFILE
7. TYPE 22 CURB INLET
8. TYPE 22 CURB INLET (RADIUS)
- 9-II. CROSS SECTIONS

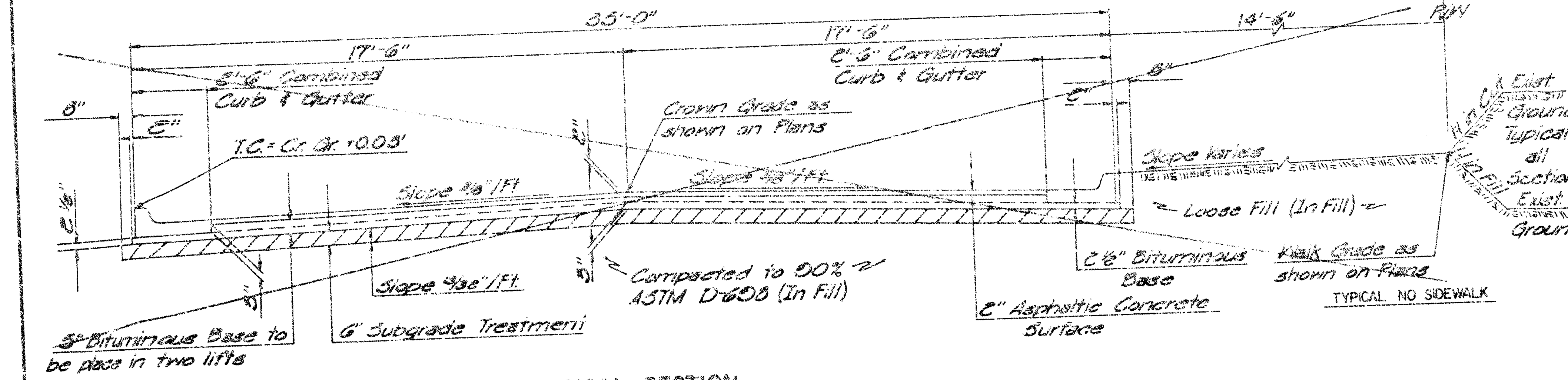
Note: All excess excavated material from street construction shall be wasted on Block 1 of G.P.-S. 3rd Addition. The waste material shall be leveled such that no Stockpiles are formed and graded to drain.

JUNE, 1982

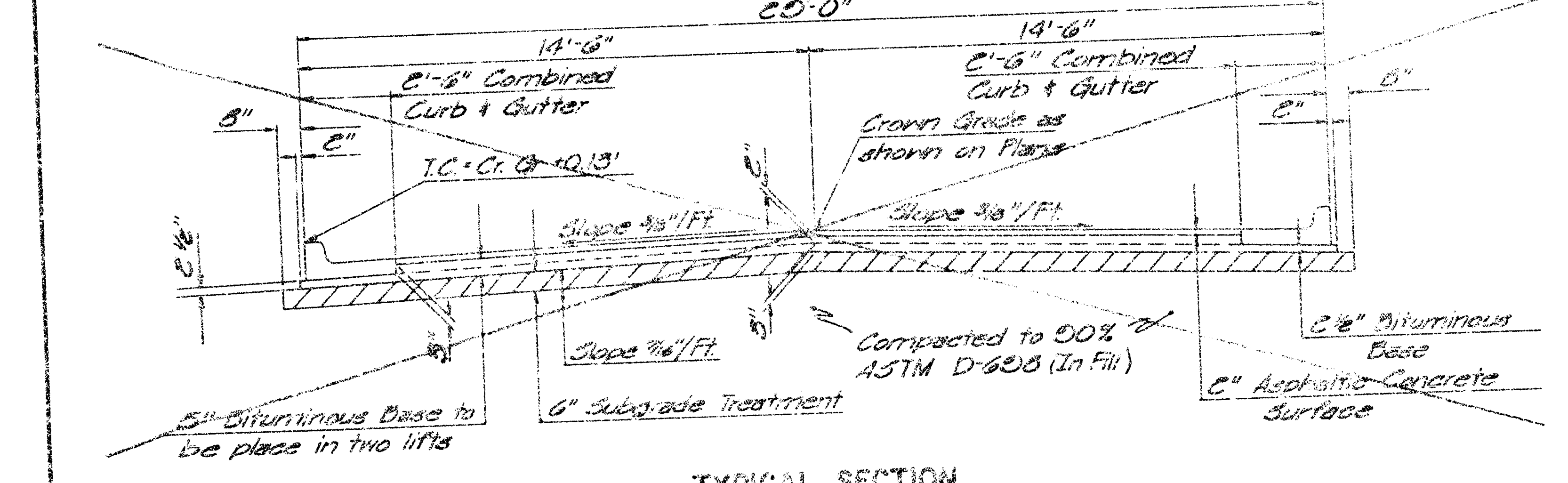
	CITY OF WICHITA, KANSAS	
	TITLE SHEET	
	STREET IMPROVEMENTS	
	PROJ. NO. 472-76-245-81114-000-000-001	
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.		
ENGINEERS		
WICHITA, KANSAS		
Designed by BER	Job No. 8228	Date June, 1981
Drawn by JGP		



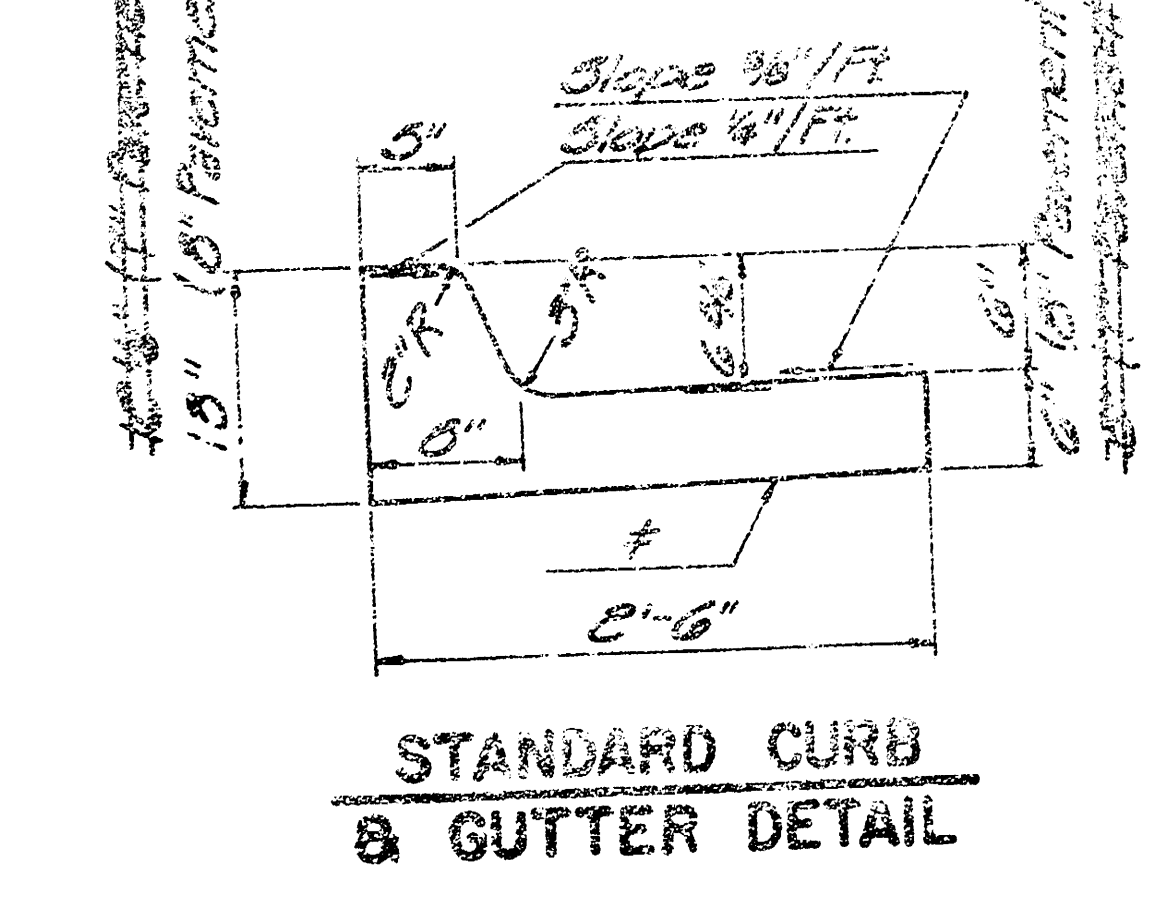
41' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE



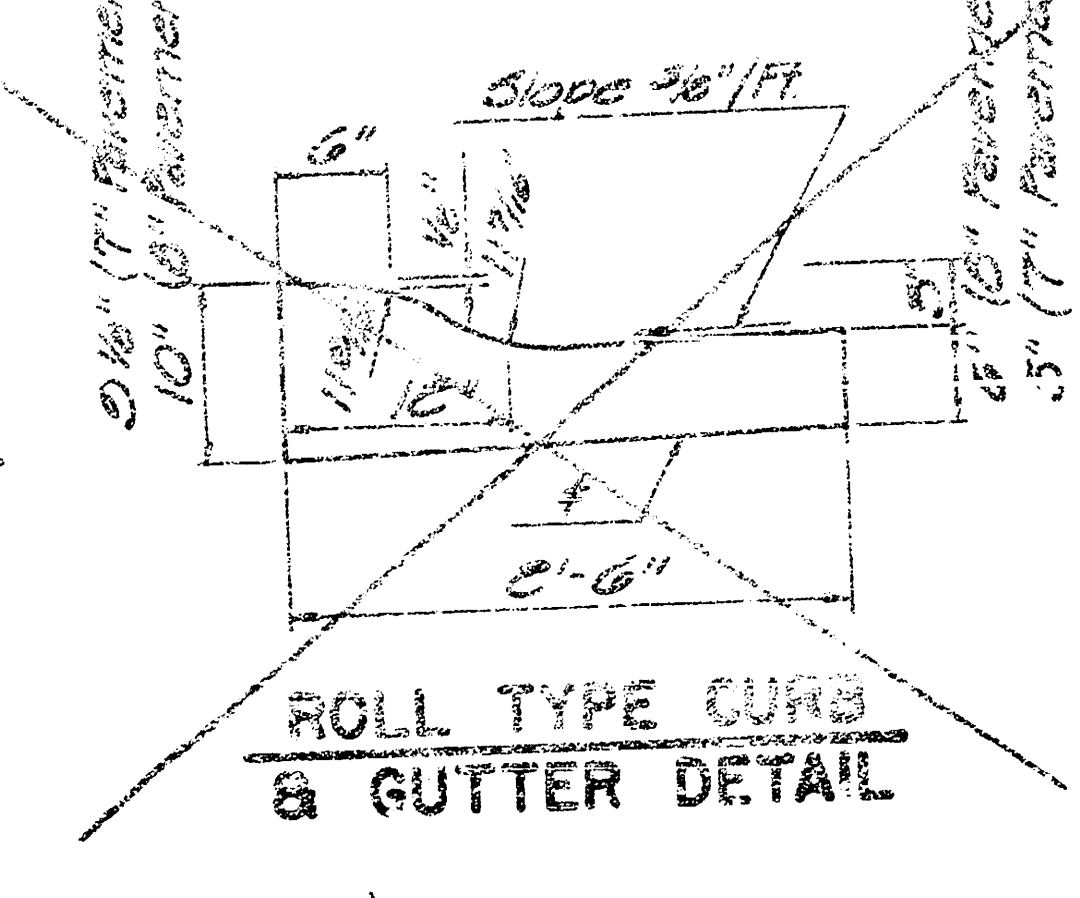
35' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE



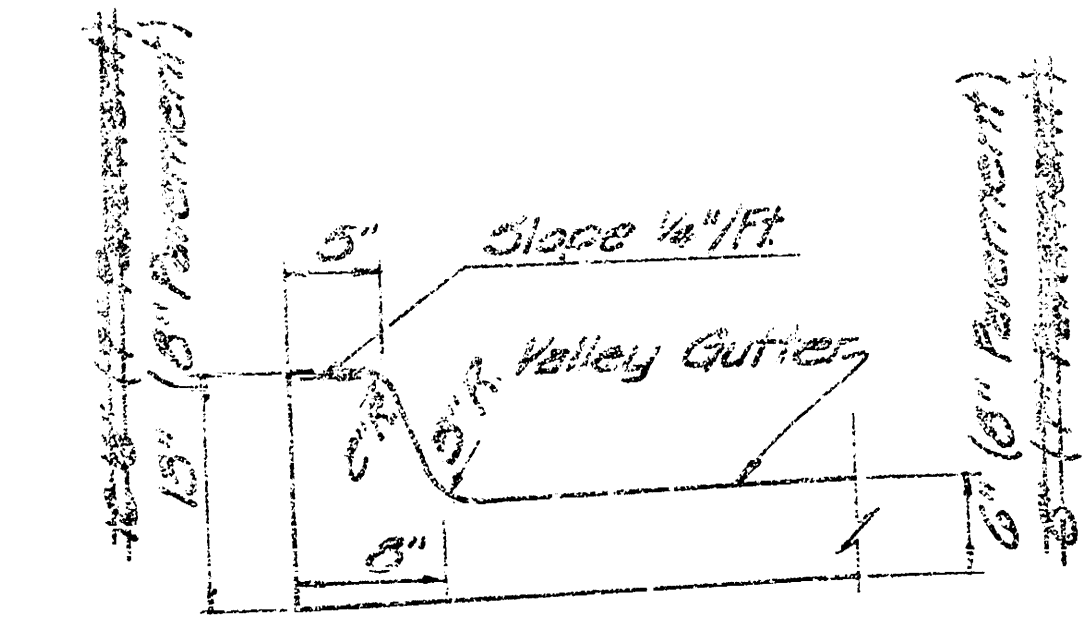
29' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE



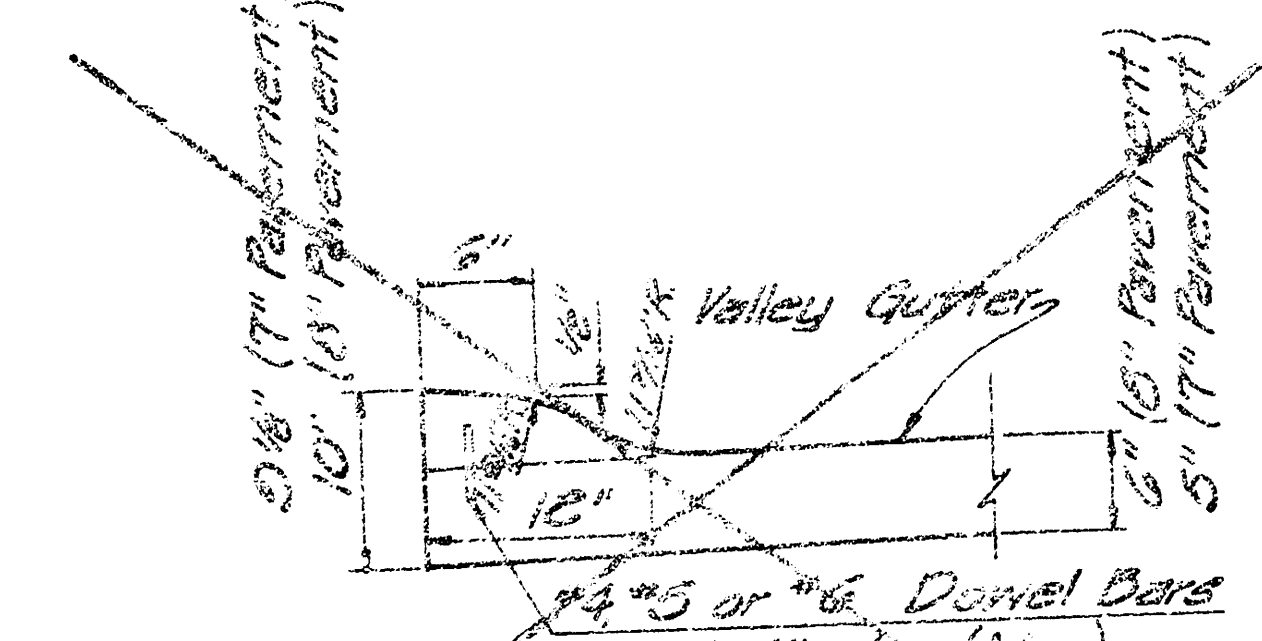
* Slope 1/4"/ft. (41' Pavement)
 * Slope 1/4"/ft. (35' Pavement)
 * Slope 1/4"/ft. (29' Pavement)



STANDARD INTEGRAL CURB & GUTTER DETAIL



Note: Integral Curb shall be poured monolithic with valley gutter.



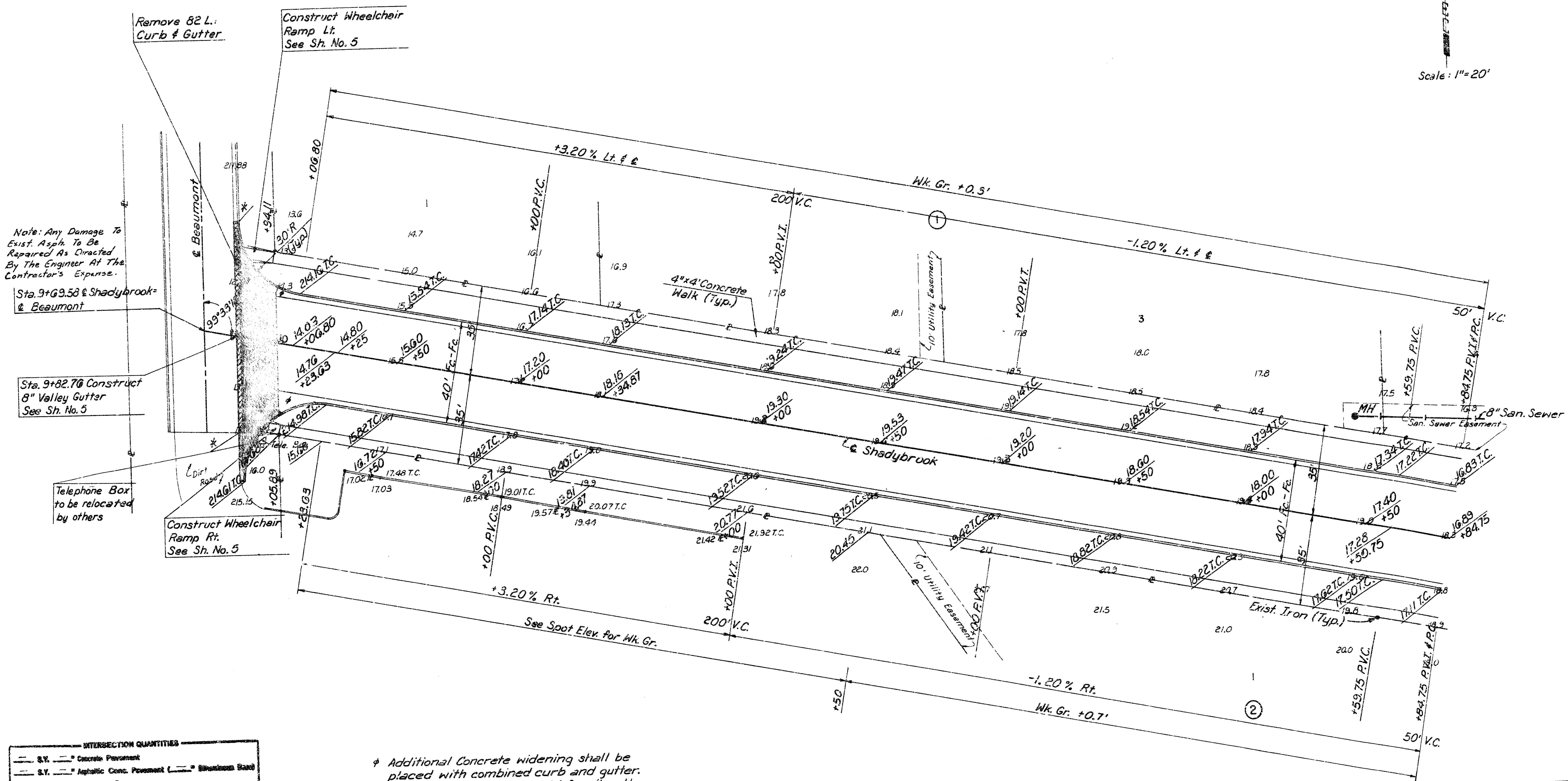
ROLL TYPE INTEGRAL CURB & GUTTER DETAIL

- GENERAL NOTES
1. A TYPICAL COST OF SUBMITTAL ASPHALT (35-45) SHALL BE APPLIED AT AN APPROXIMATE RATE 0.05 GALLONS PER SQUARE YARD BETWEEN LIFTS OF ASPHALTIC MATERIALS ORDERED BY THE CONTRACTOR. THIS COST WILL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED AS A DEDUCTION TO PRICE BID FOR ASPHALTIC PAVEMENT.
 2. THE A.S. PAVEMENT SHALL BE CONSTRUCTED WITH A LAYDOWN MACHINE HAVING DIFFERENTIAL DRIVE AND GRADE. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 3 FEET WITH JOINTS IN PRECEDING LIFTS AND SUCH THAT A JOINT WILL BE CONSTRUCTED ON THE PAVEMENT CENTERLINE IN THE TOP LIFT.
 3. THE A.S. PAVEMENT SHALL BE CONSTRUCTED WITH A LAYDOWN MACHINE HAVING DIFFERENTIAL DRIVE AND GRADE. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 3 FEET WITH JOINTS IN PRECEDING LIFTS AND SUCH THAT A JOINT WILL BE CONSTRUCTED ON THE PAVEMENT CENTERLINE IN THE TOP LIFT.
 4. THE A.S. PAVEMENT SHALL BE CONSTRUCTED WITH A LAYDOWN MACHINE HAVING DIFFERENTIAL DRIVE AND GRADE. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 3 FEET WITH JOINTS IN PRECEDING LIFTS AND SUCH THAT A JOINT WILL BE CONSTRUCTED ON THE PAVEMENT CENTERLINE IN THE TOP LIFT.
 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING PROPERTY DAMAGE. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY LINES WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH LINES SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH APPLICABLE STATE LAWS.
 6. NO MORE THAN 4-25' DRIVEWAYS APPROACHES OR THE EQUIVALENT TO BE CONSTRUCTED.

No.	Revision	By	Date
CITY OF WICHITA, KANSAS			
TYPICAL SECTIONS			
STREET IMPROVEMENTS			
PROJ. NO. 472-75-245-81114 -000-000-001			
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.			
ENGINEERS			
WICHITA, KANSAS			
Designed by	Job No. 62218	Sheet	2/11
Drawn by	Date June, 1992		

ORIGINAL (KEEP)

Scale: 1"=20'



INTERSECTION QUANTITIES

— S.Y. —	Concrete Pavement
— S.Y. —	Asphaltic Conc. Pavement (— S. Bituminous Seal)
— S.Y. —	Bituminous Seal
— L.F. —	Combined Curb & Gutter
— L.F. —	Integral Curb
— S.F. —	Wheelchair Ramp
— S.F. —	4" Walk
— C.Y. —	Excavation
— C.Y. —	Compacted Fill
— Lbs. —	Reinforcing Steel
— S.Y. —	Manipulation
— Tons —	Line of Concrete
— S.Y. V.B. —	Concrete & — Asphaltic Concrete Base

* Additional Concrete widening shall be placed with combined curb and gutter. This work shall not be paid for directly, but shall be considered subsidiary to the bid item "Combined Curb and Gutter."

* Match Existing

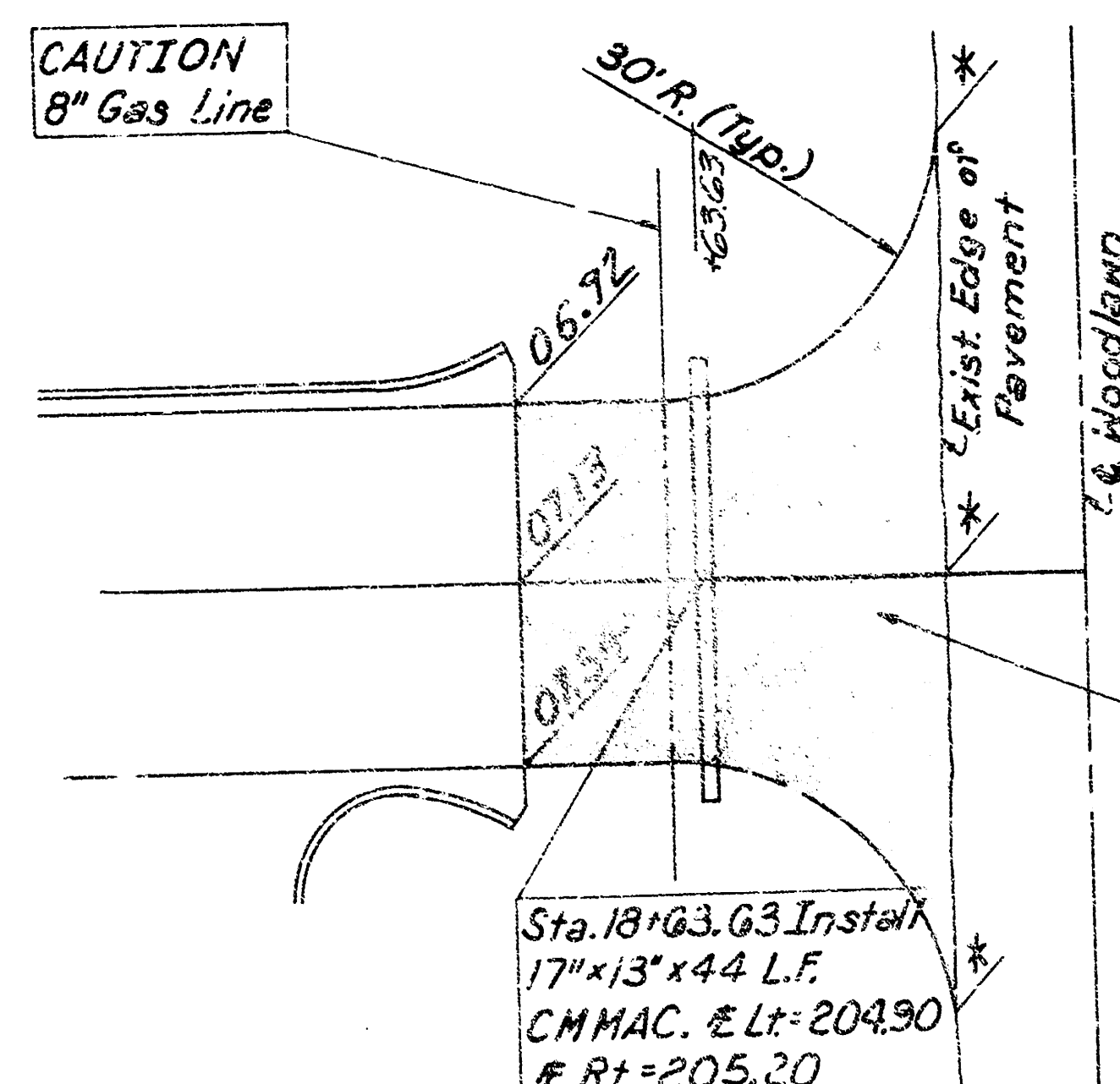
	Revision		By	Date
	CITY OF WICHITA, KANSAS SHADYBROOK STA. 9+83.39 TO STA. 14+50			
	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. ENGINEERS WICHITA, KANSAS			
	Designed by	BER	Job No	82213
	Drawn by	JGF	Date	June, 1982

3/1/11

CURVE DATA BASED ON C RADIUS $\Delta/2 = 4^\circ 46' 39''$					
STATION	C ARC LENGTH	CHORD LENGTH		C DEFLECTION ANGLE	C TOTAL DEFLECTION
		8' OFF LEFT FACE CURB	8' OFF RIGHT FACE CURB		
14+64.75				0°00'00"	0°00'00"
15+00.00	15.25'	14.48'	16.00'	0°46'31"	0°46'31"
15+25.00	25.00'	23.76'	26.24'	1°16'18"	2°02'49"
15+50.00	25.00'	23.76'	26.24'	1°16'18"	3°19'07"
15+75.00	25.00'	23.76'	26.24'	1°16'18"	4°35'25"
15+78.68	3.68'	3.57'	3.86'	0°11'14"	4°46'39"

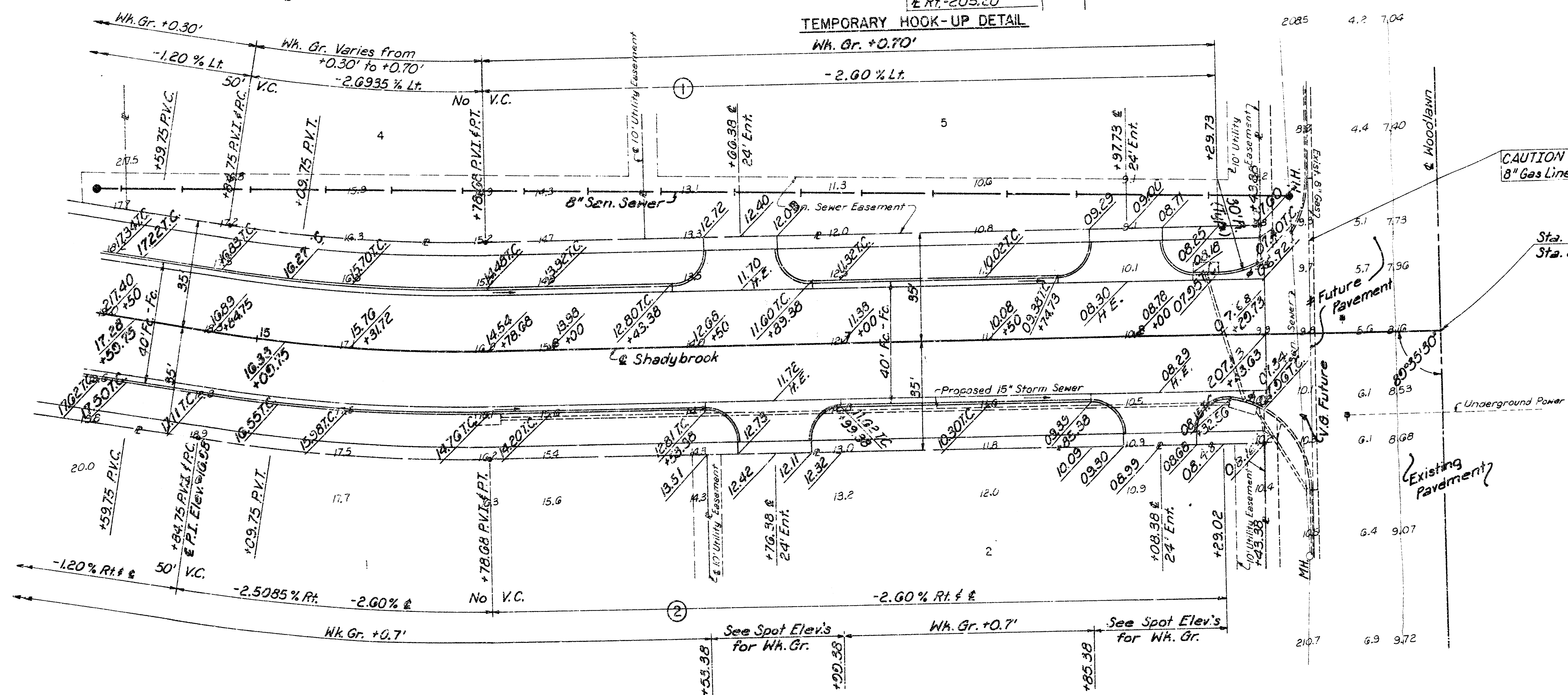
Curve Data
 $\Delta = 9^\circ 33' 18''$
 $D = 10^\circ 10' 21''$
 $R = 563.25'$
 $T = 4^\circ 07'$
 $L = 93.93'$

CAUTION
8" Gas Line



Install Temp Hookup
 20215.4 x 5' +/- k
 Asphalt Hookup

Scale: 1"=20'



See Sheet No. 5 for entrance details

* Additional concrete to be placed with combined Curb and Gutter. This work shall not be paid for directly, but shall be considered subsidiary to the bid item "Combined Curb and Gutter."

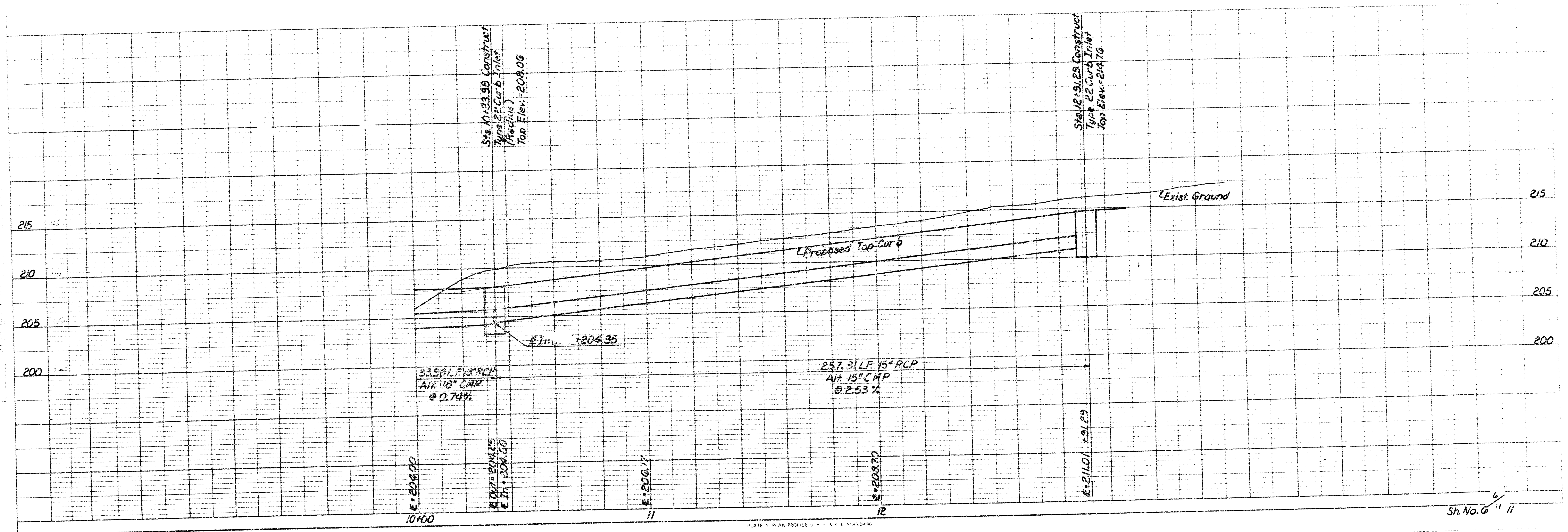
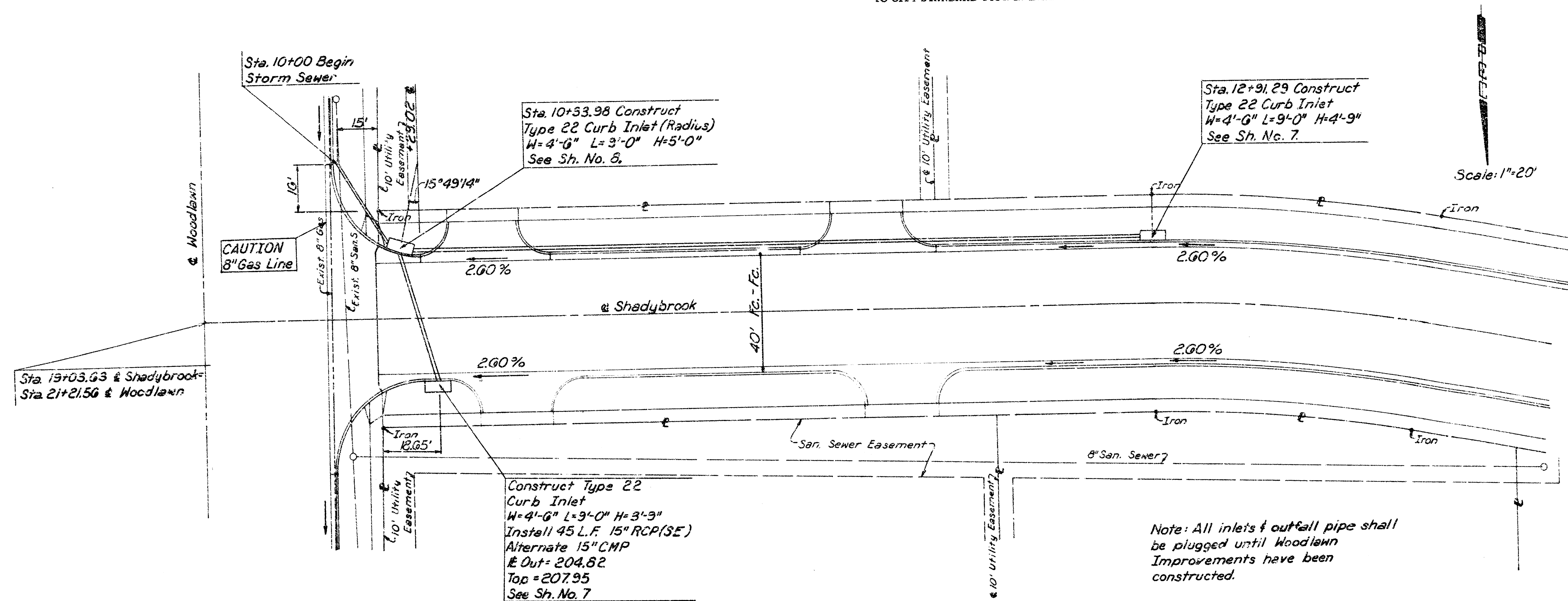
* Match Existing

* If the proposed improvement to Woodlawn is not complete, a temporary "hook-up" shall be constructed. See detail this sheet. Quantities for this work have been computed, but may be underrun 100%.



No.	Revision	By	Date
CITY OF WICHITA, KANSAS			
SHADYBROOK			
STA. 14+50 TO STA. 16+43.63			
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.			
ENGINEERS			
WICHITA, KANSAS			
Designed by	BER	Job No.	82218
Drawn by	JGP	Date	June, 1982
		Sheet	4 of 11

NOTE: TYPE 22 INLETS AS SHOWN ON THESE PLANS MAY BE SET BACK OF THE CURB SIMILAR TO CITY STANDARD TYPE 1A INLETS WITH THE APPROVAL OF THE ENGINEER.



FHWA NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS		197		

GENERAL NOTE

CONCRETE

Shell conform to the City of Wichita Concrete Pavement Specifications.

Bevel all exposed 90° concrete edges with a 3/4" triangular bevel.

CAST IRON

All exposed cast iron surfaces not subject to traffic shall receive one coat of a zinc dust paint applied either in the shop or in the field and two coats of aluminum paint applied in the field.

REINFORCING STEEL

All dimensions relative to reinforcing steel are to the center of bars unless otherwise noted on the plans. Reinforcing steel shall be spaced at 6" centers and shall be 1-1/2" clear distance from slab surfaces unless otherwise shown on the plans.

All reinforcing steel shall be placed within 1-4" of plan dimension unless waived by the Engineer. Reinforcing steel shall be bent around all pipes unless otherwise directed by the Engineer.

~~See sheet entitled REINFORCING STEEL FOR DETAILS AND FABRICATION DETAILS.~~

MISCELLANEOUS

When directed by the Engineer, the top of the inlet shall be sloped in order to match the longitudinal roadway grade ground line and/or other conditions. When directed by the Engineer, small openings may be required in the back of the inlet in order to drain a low area. No deductions in concrete quantities will be made for these openings.

Expansion joint material shall be either poured joint sealing compound (hot or cold) or pre-molded joint filler (non-extruding Type B) unless otherwise noted on the plans.

Inlet floors shall be shaped as directed by the Engineer.

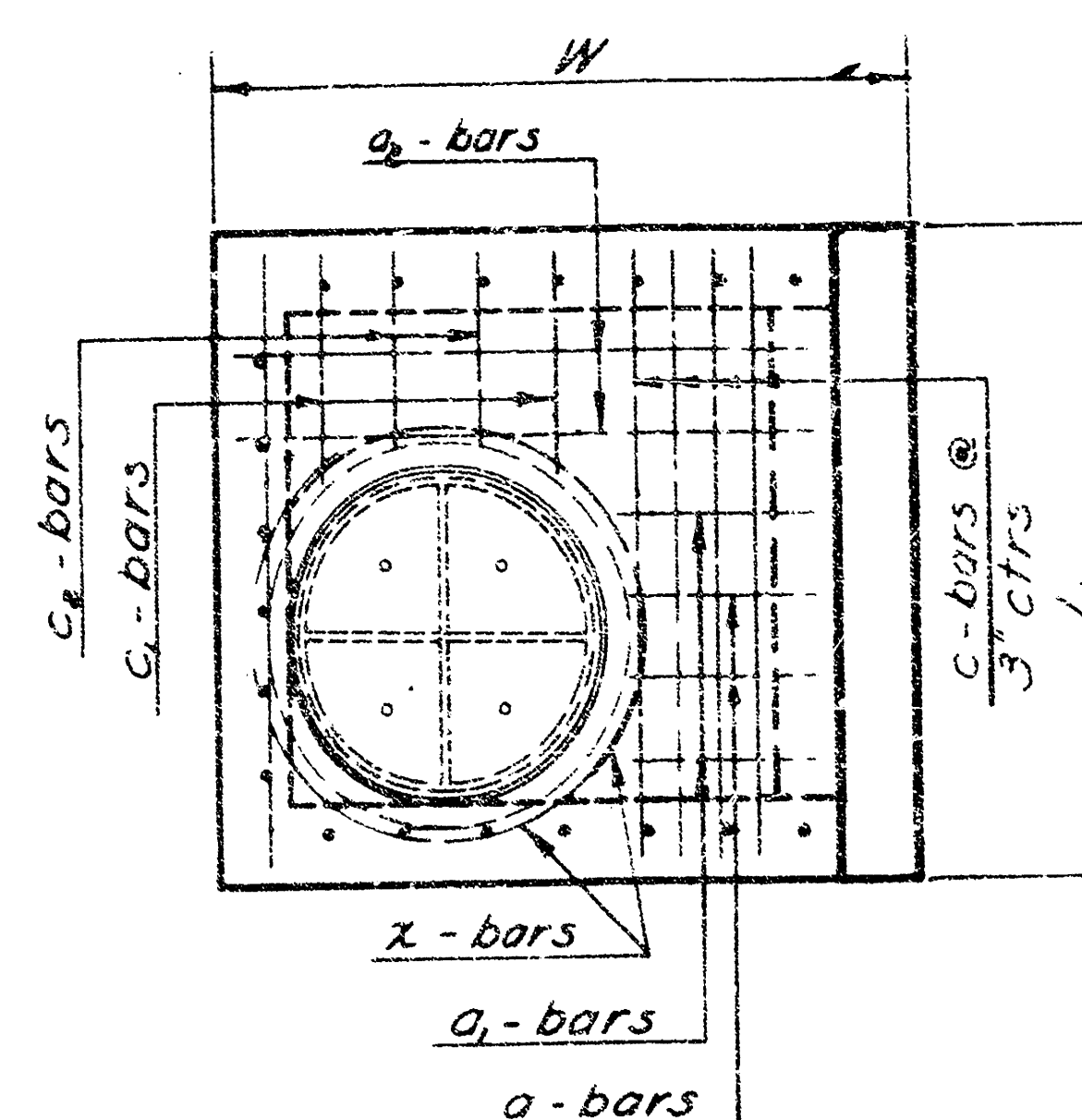
No concrete quantities shall be computed for this work.

Gutter shaping shall be accomplished as shown, and payment shall be subsidiary to the adjacent type of curb and gutter.

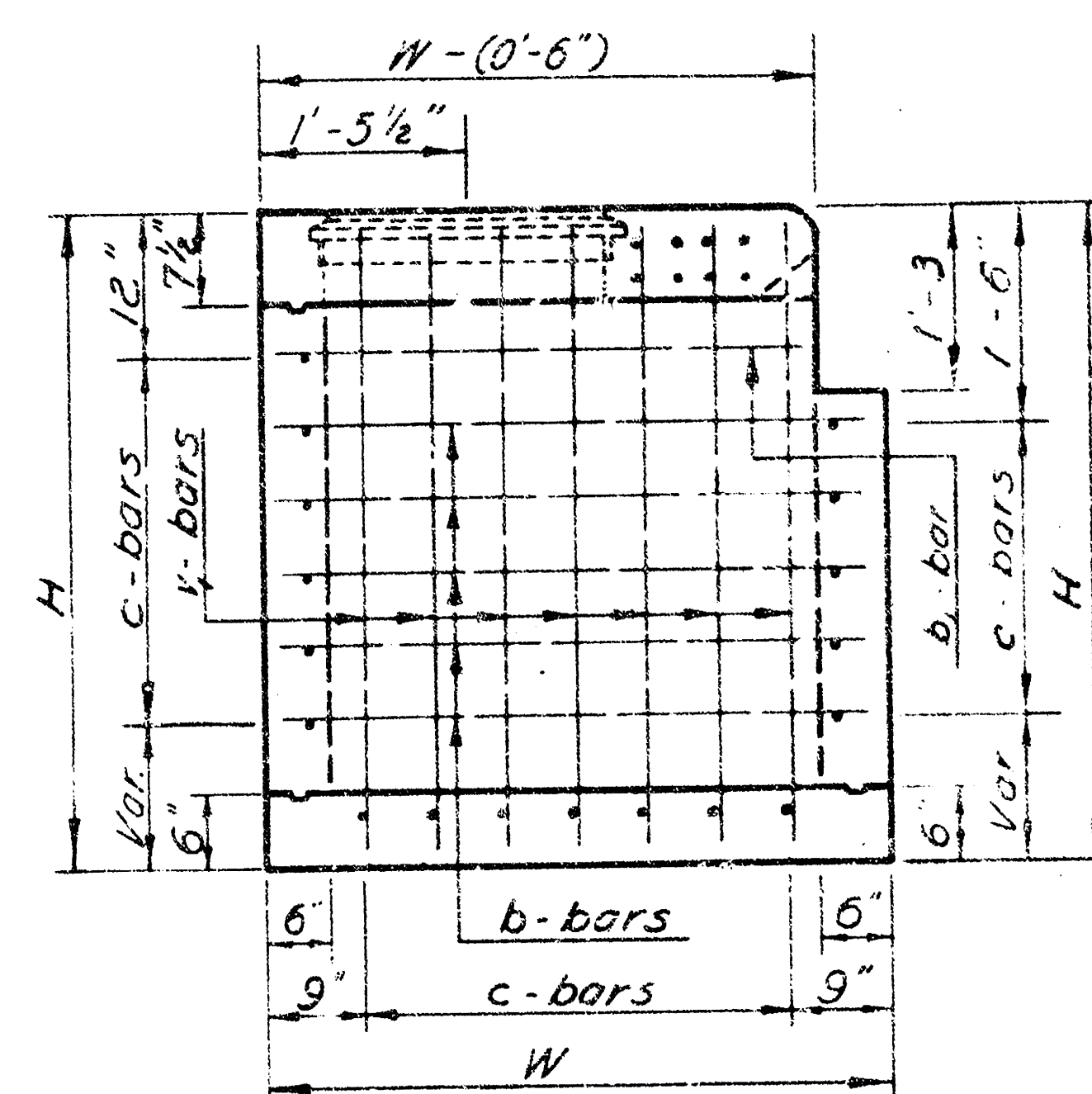
BASIS OF PAYMENT & METHOD OF MEASUREMENT

Curb Inlet (Type 22) shall be measured & paid for at the contract unit price bid per each. This shall be considered full compensation for all excavation, backfilling, for all materials, labor, equipment, tools & incidentals necessary to complete this work.

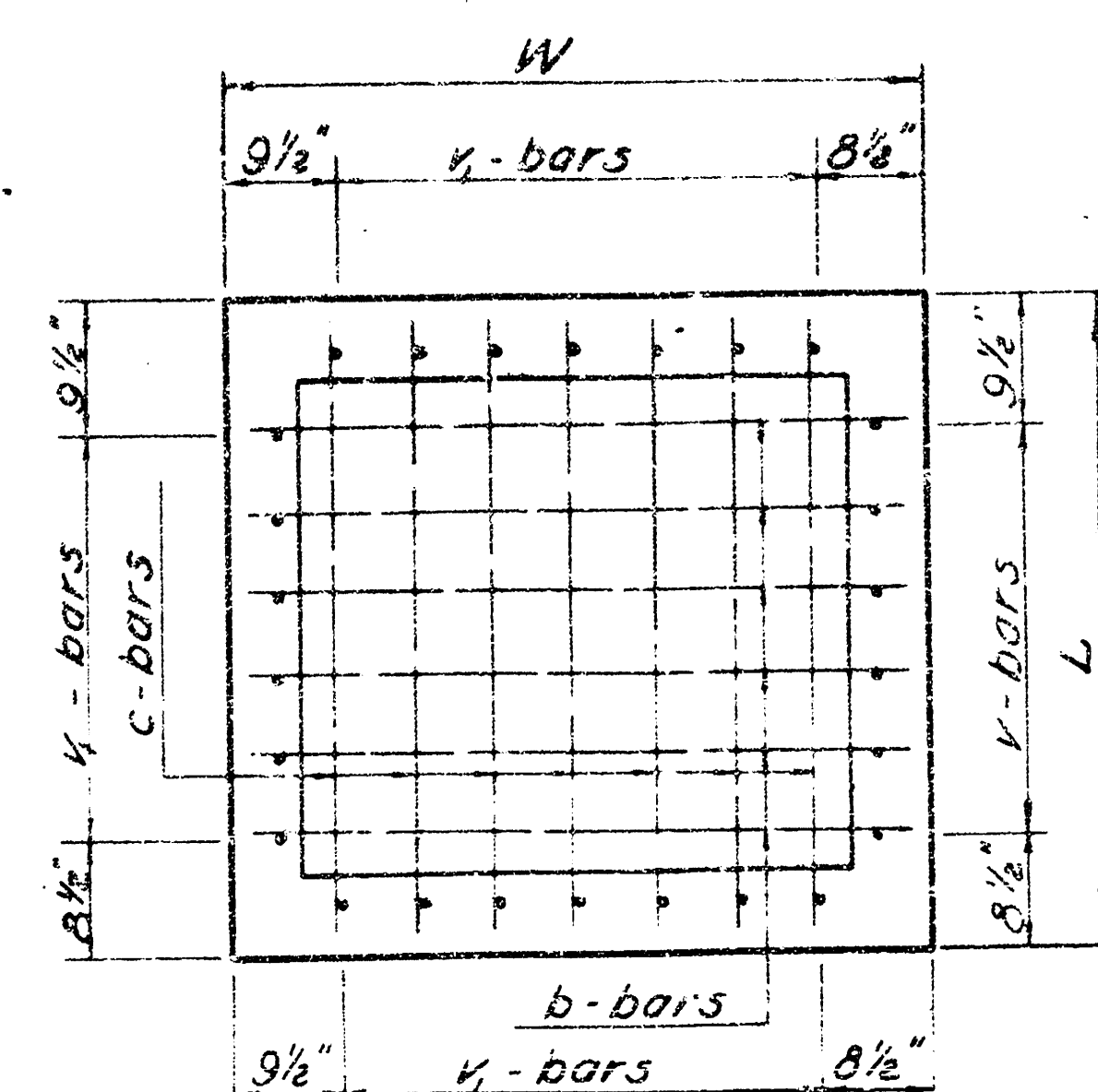
No separate payment shall be made for "Inlet Hook-Up". No deduction in combined curb & gutter shall be made.



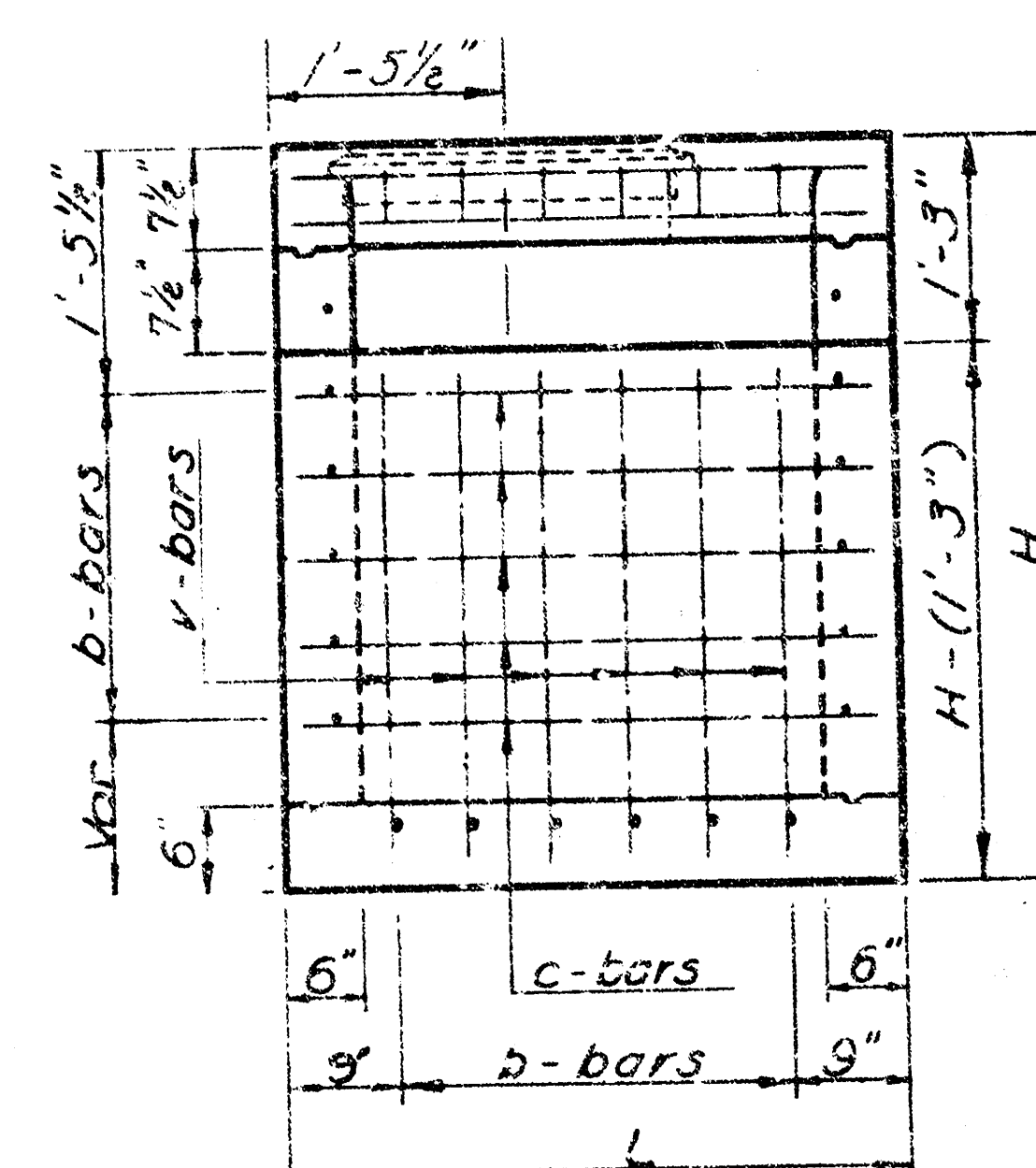
TOP VIEW



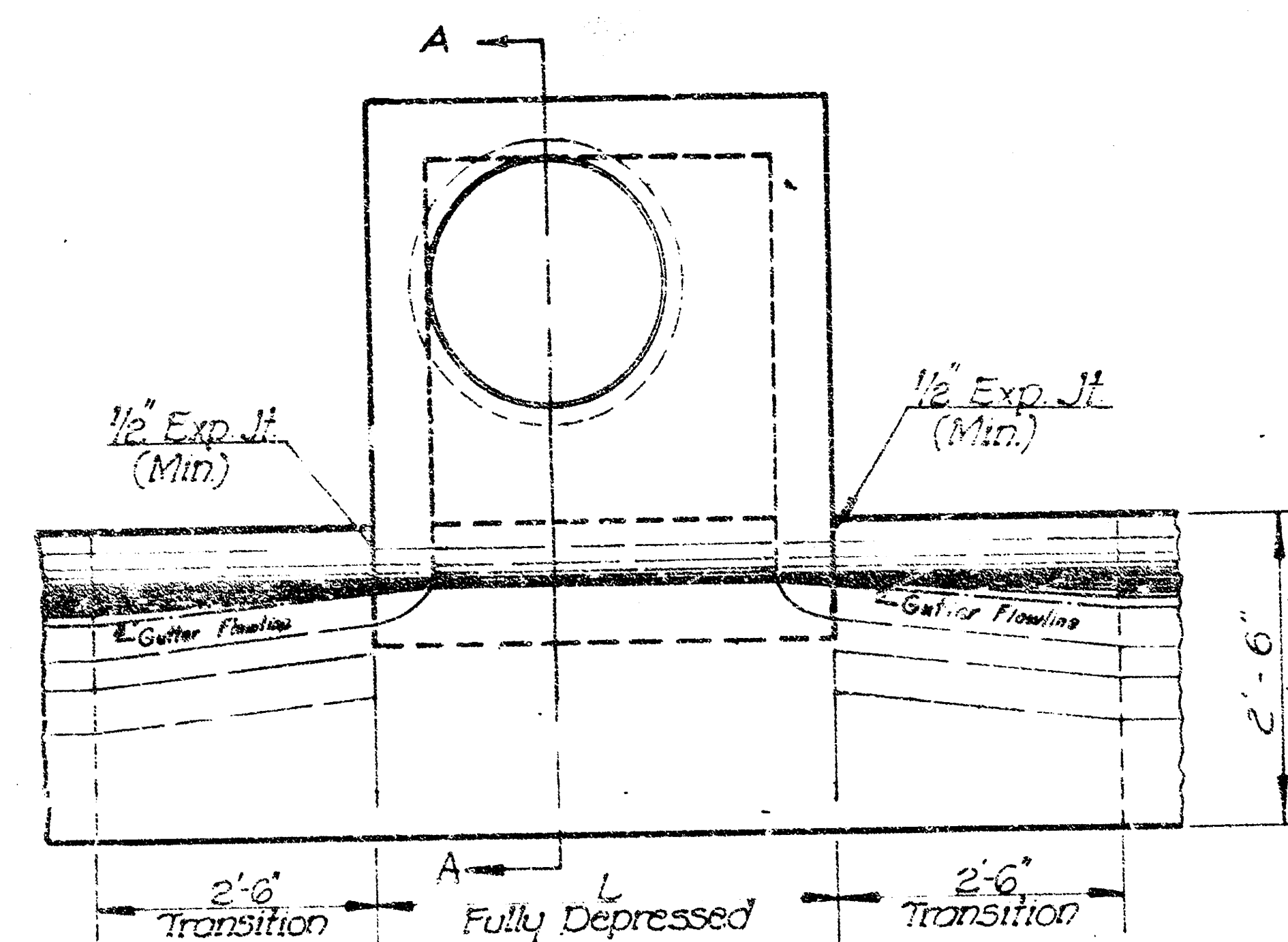
SIDE VIEW



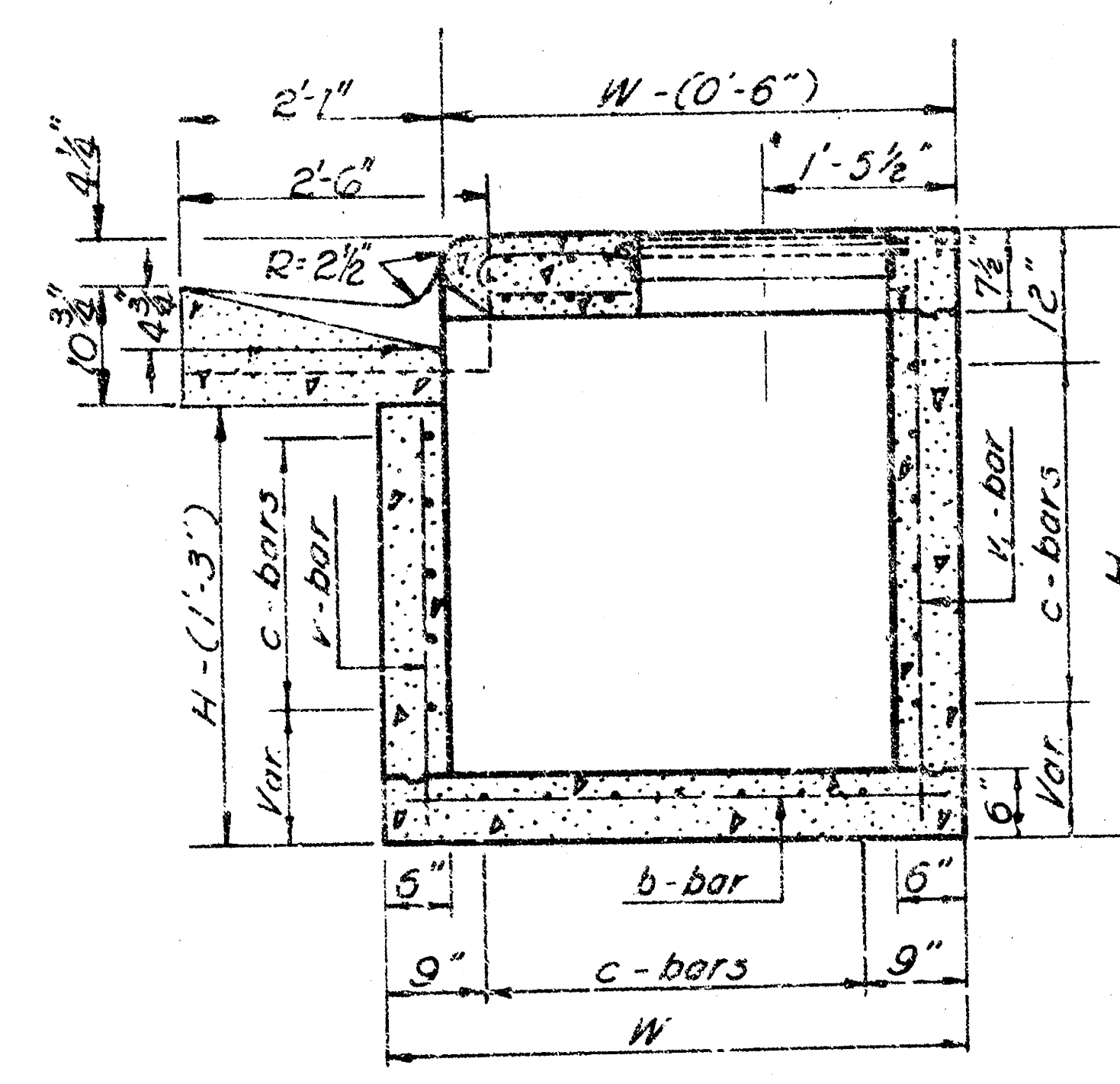
BOTTOM VIEW



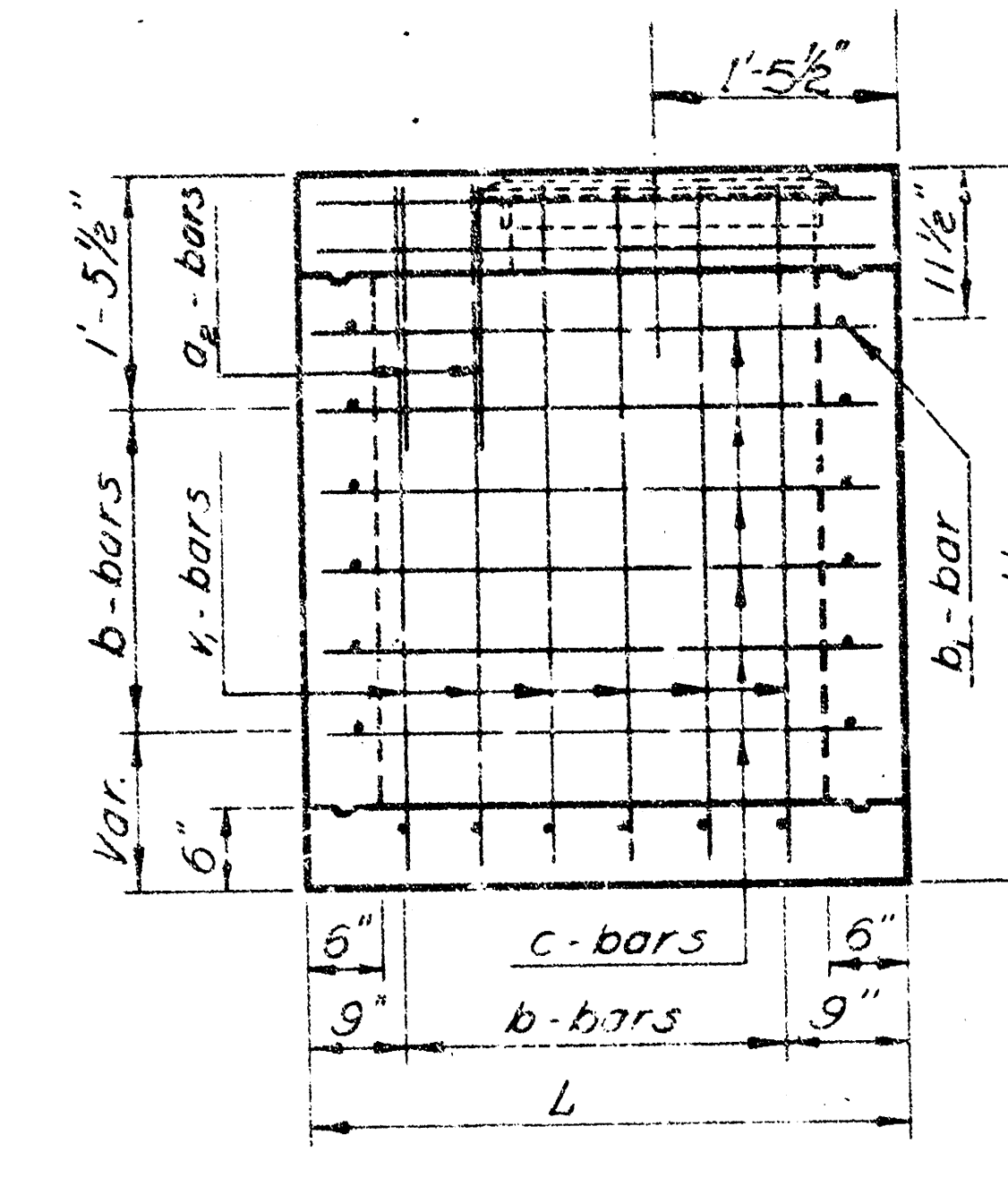
FRONT VIEW



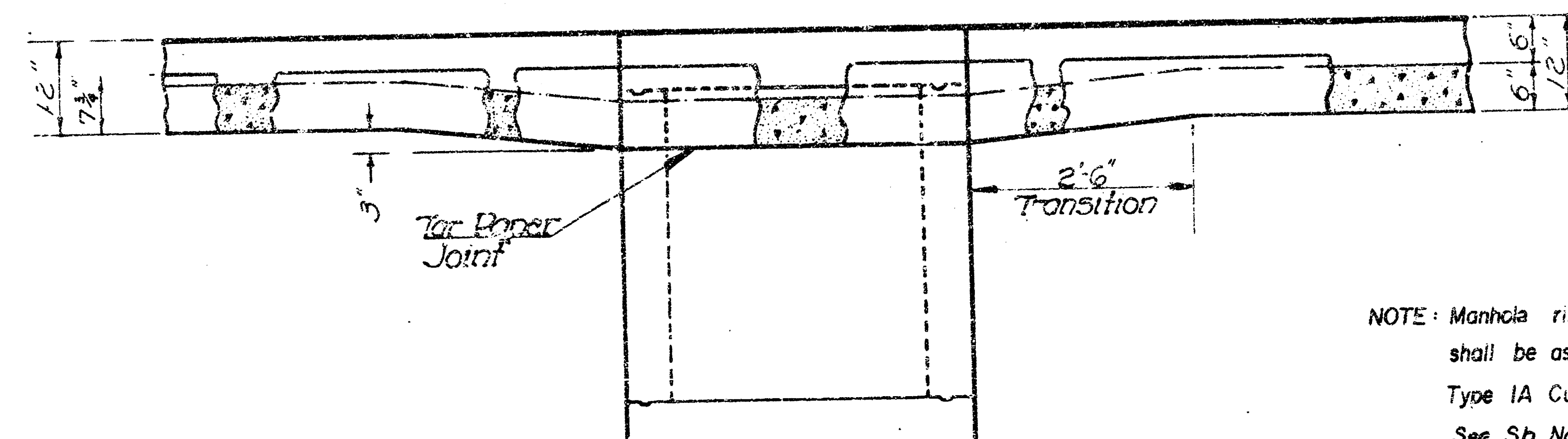
PLAN



SECTION A-A



REAR VIEW



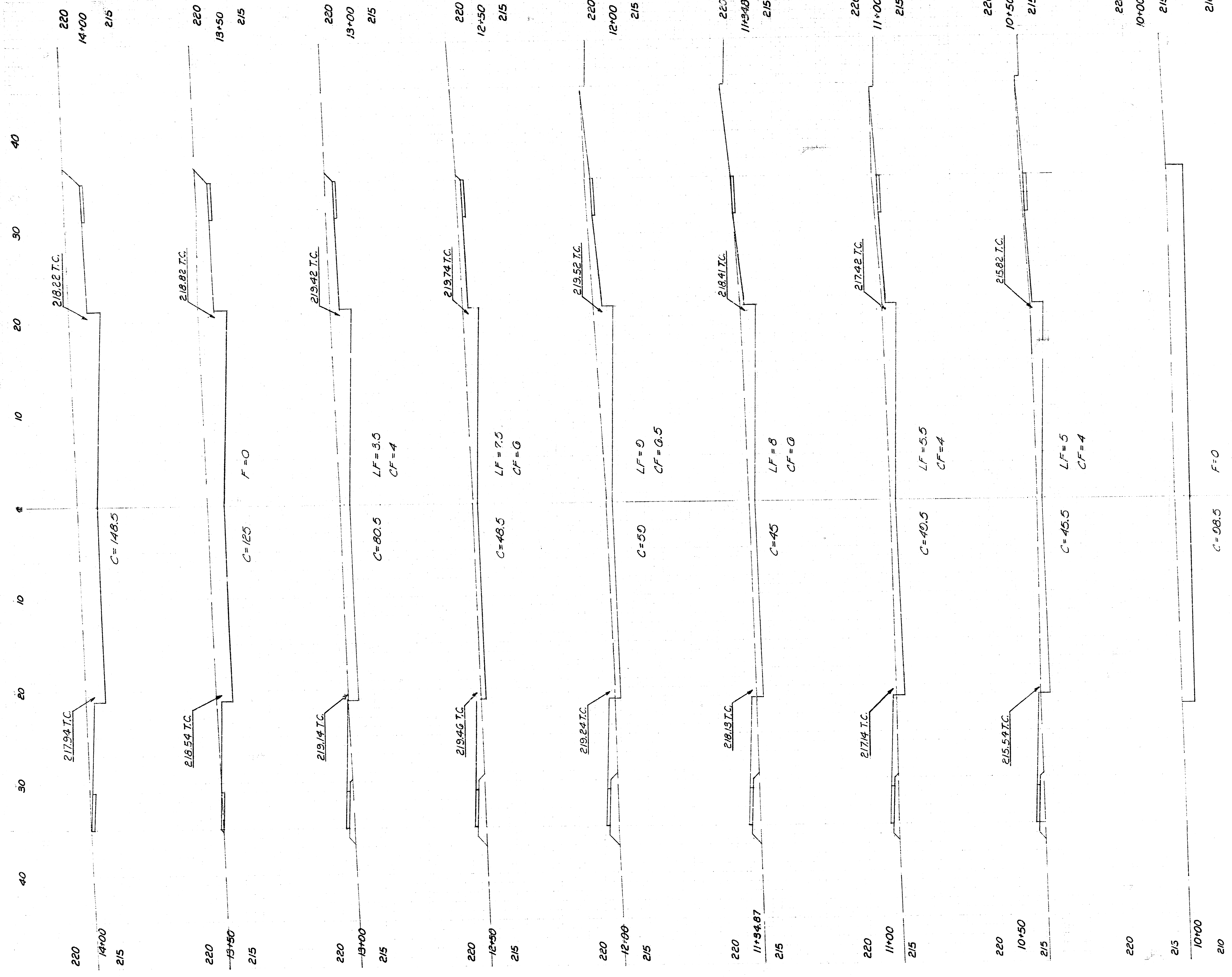
NOTE: Manhole ring and cover to inlet tops shall be as per City of Wichita Standard Type IA Curb Inlet Precast Top. See Sh. No. 6 for Ring & Cover Details and Bending Diagrams.

NO.	DATE	REVISIONS	BY	APP'D.
1				
2				
3				

STATE HIGHWAY COMMISSION OF KANSAS

TYPE 22
CURB INLET

SHEET NO. 7 OF 11
DESIGNED BY: []
CHECKED BY: []
APPROVED BY: []
DATE: []



SHADYBROOK
Sta 3+33.39 to Sta. 14+00

Excavation	Compacted Fill	Loose Fill
Prop. - 3,049 C.Y.	Prop. - 52.7 C.Y.	Prop. - 72.3 C.Y.
10% - 304.9 C.Y.	10% - 5.3 C.Y.	10% - 7.2 C.Y.
Total = 3,354.0 C.Y.	Total = 58.0 C.Y.	Total = 79.5 C.Y.

Sheet No. 9/11

