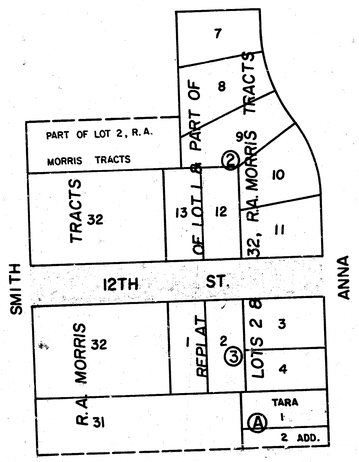
TWELFTH STREET NORTH
E.L. SMITH TO W.L. ANNA

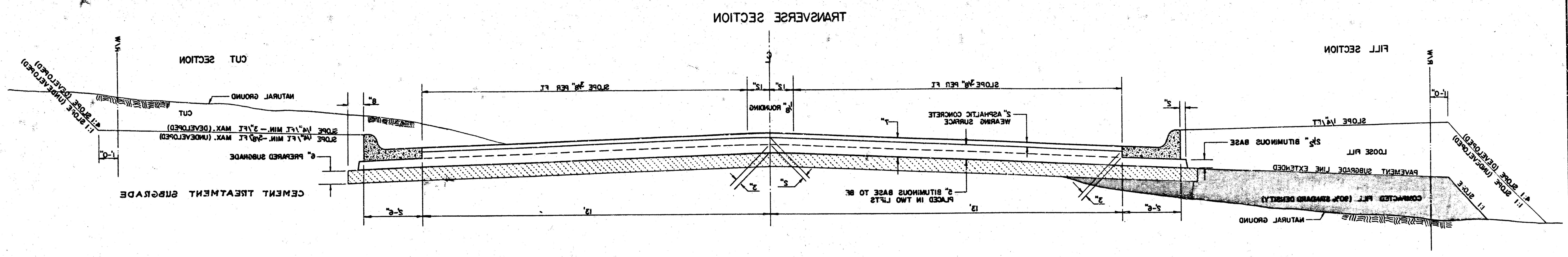


CARL L. GIBSON
LICENSED
9590
KANSAS
PROFESSIONAL ENGINEER

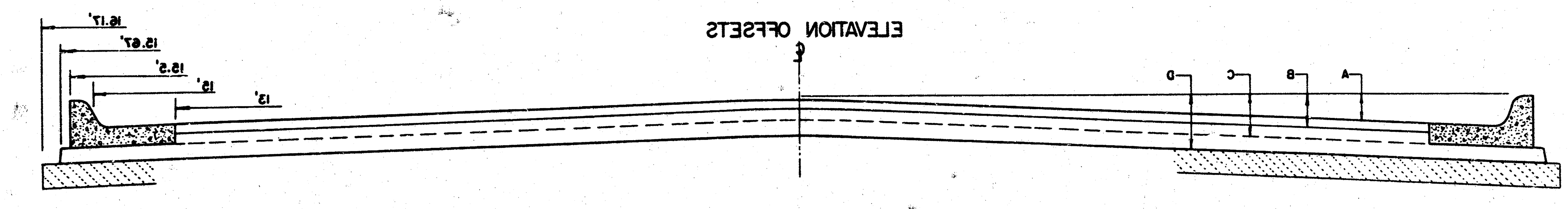
PROJECT DESCRIPTION	TWELFTH STREET NORTH E.L. SMITH TO W.L. ANNA
PROJECT NUMBER	472 76 245 81220 000 000 001
BOOK NO. MG18 / DRAWN BY VRH	APPROVED BY / DATE / REVISED
CITY OF WICHITA DEPARTMENT OF ENGINEERING	
DIRECTOR OF ENG./CITY ENGINEER R. W. BRUGGEMAN	SCALE 1" = 100'

TYPICAL 31' PAVEMENT DETAILS

TRANSVERSE SECTION

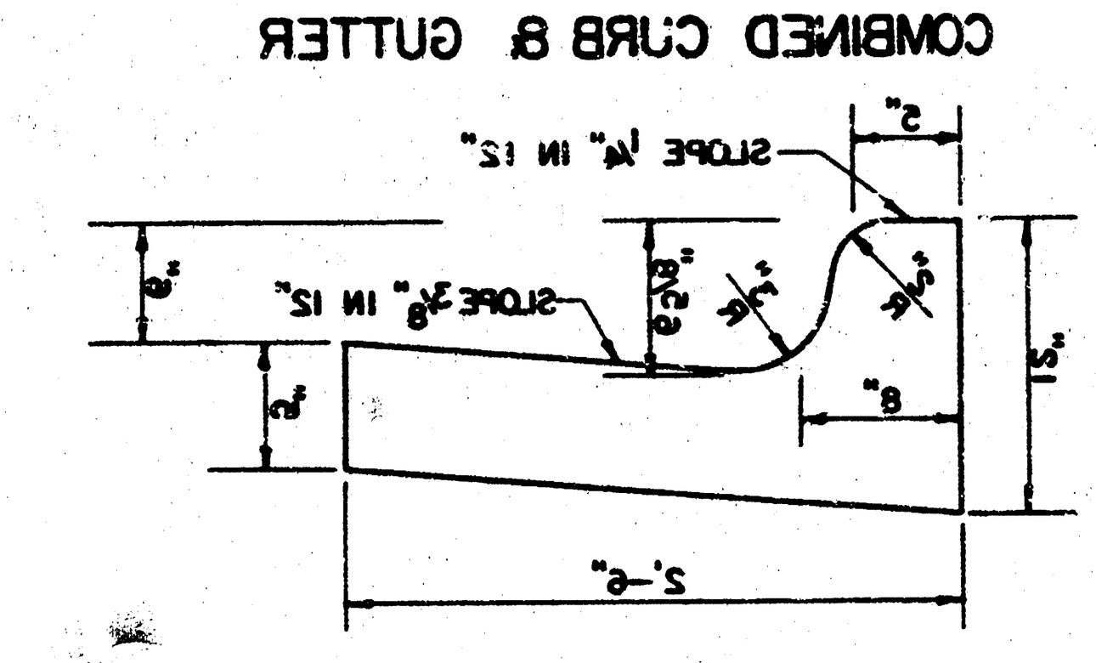


ELEVATION OFFSETS

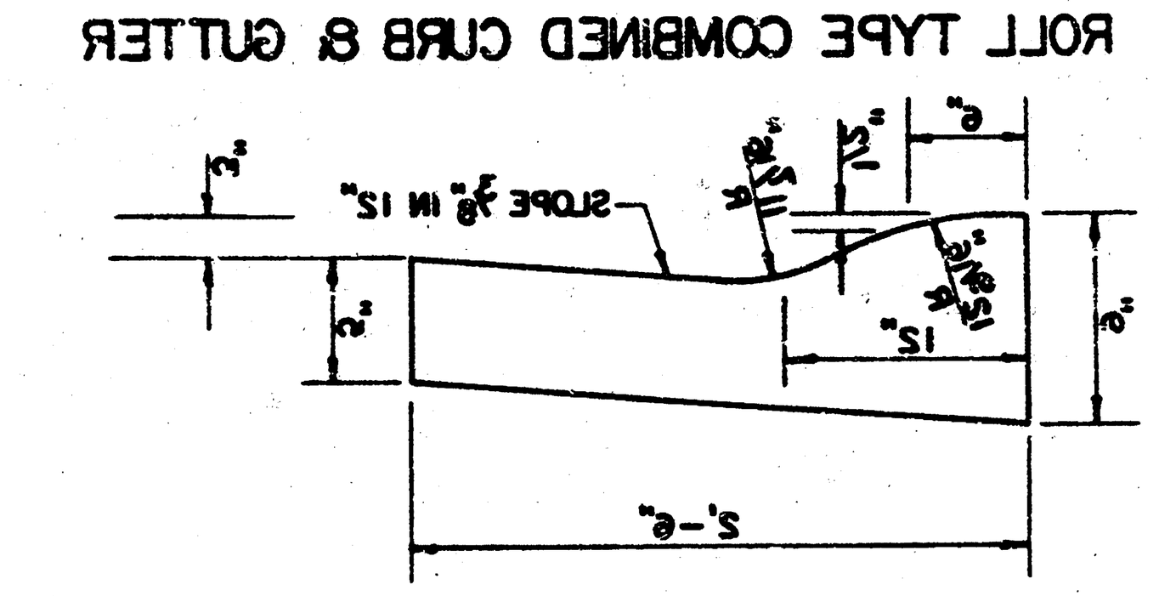


	DISTANCE FROM CENTERLINE (LT. & RT.)											
	0'	2'	4'	6'	7.5'	10'	12'	13'	15'	15.5'	15.67'	16.17'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.10	0.14	0.21	0.27	0.32	0.39	0.46	0.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.27	0.31	0.38	0.44	0.49	0.56	0.63	0.66	—	—	—	—
C: TOP OF CURBS TO TOP OF LOWER BASE LIFT	0.44	0.49	0.57	0.64	0.70	0.79	0.87	0.90	0.98	1.00	1.00	—
D: TOP OF CURBS TO TOP OF SUBGRADE	0.69	0.73	0.80	0.87	0.93	1.01	1.08	1.12	1.19	1.21	1.21	[illegible]

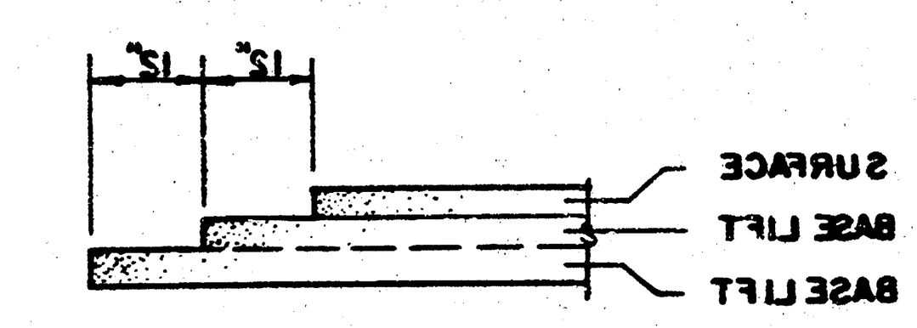
COMBINED CURB & GUTTER



ROLL TYPE COMBINED CURB & GUTTER



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).

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.

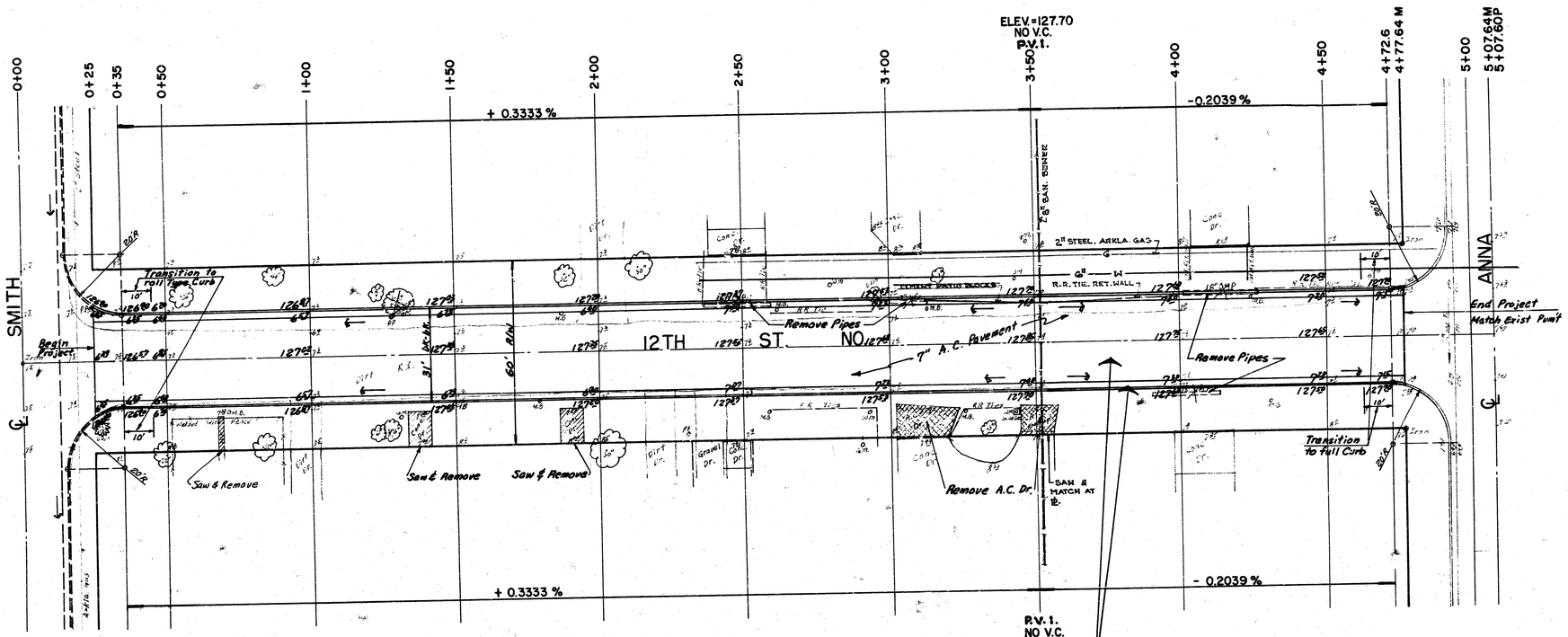
7 INCH RESIDENTIAL ASPHALTIC CONCRETE PAVEMENT WITH 5 INCH BITUMINOUS BASE

CITY OF WICHITA, KANSAS

PROJECT NUMBER

B.M. 126.93 CITY STD. DISC, BAKER & 13TH ST. NO. 26' EAST & 32' SOUTH OF ℄ BOTH
B.M. 127.68 RR SPK. SW FACE LIGHT POLE @ 1248 ANNA ADJ. TO BACK OF CURB
B.M. 128.36 RR SPK. S FACE PP, NE COR. SMITH & 12TH

N 1"=20'



CONSTRUCT 7" ASPHALT PAVEMENT (5" BITUMINOUS BASE & ROLL TYPE COMB. CURB & GUTTER 3⅝" & 1½").

EARTH WORK

Excavation	454.1 C.Y.
+10%	45.4 C.Y.
TOTAL	499.5 C.Y.

▨ = CONCRETE DRIVE REMOVED

▨ = ASPHALT DRIVE REMOVED

∞GENERAL NOTES∞

1. MAILBOXES WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AS APPROVED BY THE ENGINEER. CONTRACTOR WE BE REQUIRED TO MAKE SATISFACTORY PROVISIONS FOR MAIL DELIVERY TO PROPERTIES AFFECTED BY THIS PROJECT DURING CONSTRUCTION.
2. TRANSITION FROM FULL HEIGHT COMB. C&G TO ROLL TYPE COMB C&G IS TO BE PAID AS BID FOR LIN. FT COMBINED CURB & GUTTER ROLL TYPE 3⅝".
3. WIDENED GUTTER SECTION OF COMBINED CURB & GUTTER AT INTERSECTIONS WILL NOT BE PAID DIRECTLY, AND THIS COST SHALL BE CONSIDERED AS SUBSIDIARY TO THE OTHER PAY ITEMS.
4. RAILROAD TIES SHALL BE REMOVED & SALVAGED BY THE CONTRACTOR AND GIVEN TO THE ADJACENT PROPERTY OWNER. IN THE EVENT THAT THE PROPERTY OWNER DOES NOT WANT THE R.R. TIES, THE CONTRACTOR SHALL DISPOSE OF SAME IN A MANNER ACCEPTABLE TO THE FIELD ENGINEER. THIS WORK TO BE DONE AT NO ADDITIONAL COST TO THE PROJECT.
5. TREES & SHRUBS IN PUBLIC RIGHT OF WAY WHICH ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH THE ENGINEER'S APPROVAL. TREES & SHRUBS WHICH ARE NOT IN CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE SAVED & PROTECTED FROM DAMAGE.
6. CEMENT PATIO BLOCKS & LANDSCAPE TIMBERS WITHIN THE PUBLIC RIGHT OF WAY ARE TO BE TREATED IN THE SAME MANNER AS RAILROAD TIES. (NOTE No. 4.).
7. DEPRESS CURB THROUGH DRIVE OPENINGS.

1627 SQ YDS MANIPULATION

PROJECT DESCRIPTION
TWELFTH STREET NORTH
E.L. SMITH TO W.L. ANNA

PROJECT NUMBER
472 76 245 81220 000 000 001

3/4

Total Excav.	454.1 c.y.
+ 10%	45.4 c.y.
	499.5 c.y.
Say	500.0 c.y.

(4/4)