Street Improvements to Serve

SHARON'S ORCHARD ADDITION

ESTHNER CIRCLE: From The W.L. Maize Road to and Incl. Cul-De-Sac
ESTHNER COURT: From the N.L. Esthner Cir. to and Incl. Cul-De-Sac

Project No.

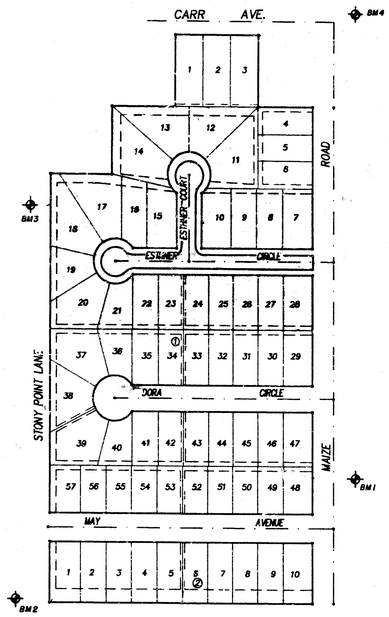
472-76-245-82013-000-000-001

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

INDEX CODE 760462



1. R.R. SPIKE, P-POLE (W.S.) 80'N. NE COR. MAIZE RD. AT MAY AVE. 49'E & MAIZE RD. ELEV. = 140.65 C.D.
2. R.R. SPIKE, E.S. HLP 10'N & 80'W. SW COR. LT. 1, BLK. 2 SHARON'S ORCHARD ADDN. ELEV. = 142.02 C.D.
3. R.R. SPIKE, E.S. P-POLE 71'S & 48.5'W NW COR. LOT 18, BLK. 1 SHARON'S ORCHARD ADDN. ELEV. = 140.39 C.D.
4. "□" CUT T.C. 5'E., END EXSTG. CB. NS. CARR AVE., NE. COR. CARR ST. & MAIZE RD. ELEV. = 137.56 C.D.



□ BENEFIT DIST.

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. This project includes a certain amount of roll type curb construction. Roll Curbs shall be depressed through all driveway openings when such drives are constructed as a part of the project.
3. No more than 4 drives 20 feet in width, or equivalent combinations thereof, are to constructed with this project.
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.
5. All excavation from this project shall remain on the site. Contractor shall contact Rick Thompson (722-2122) for locations to place excavated material.

INDEX

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2	29' TYPICAL PAVEMENT SECTION
3	VALLEY GUTTER DETAILS
4	ESTHNER CIRCLE
5	ESTHNER COURT
6-7	EARTHWORK CROSS SECTIONS

N. BRENT WOOTEN LICENSED 8470 KANSAS PROFESSIONAL ENGINEER

BAUGHMAN COMPANY P. A.
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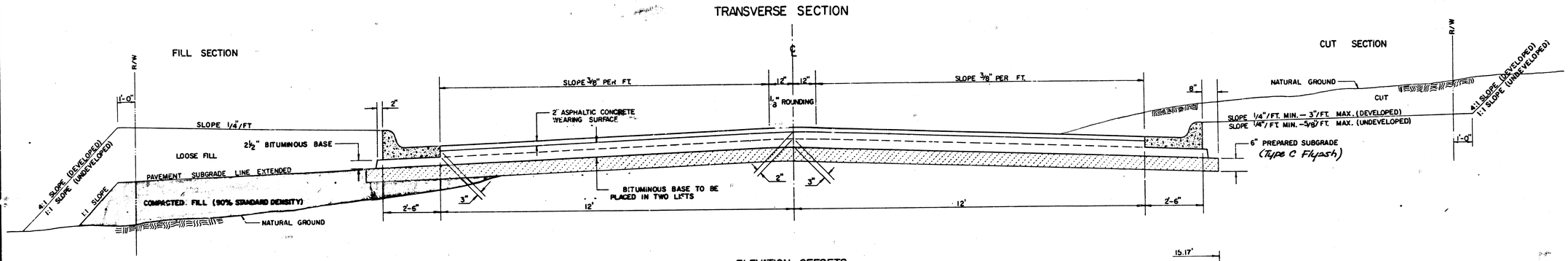
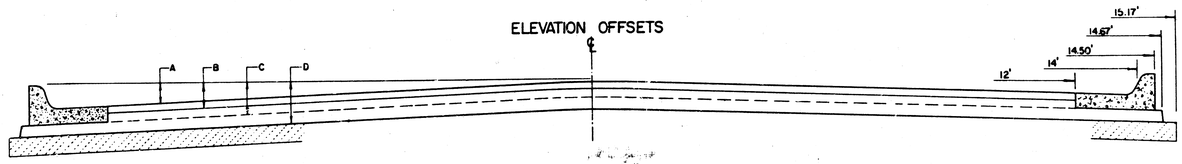
TYPICAL 29' PAVEMENT DETAILS

TRANSVERSE SECTION

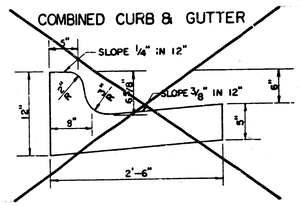


ELEVATION OFFSETS

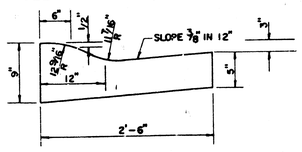


	DISTANCE FROM CENTERLINE (LT. & RT.)											
	0'	2'	4'	6'	7'	8'	10'	12'	14'	14.5'	14.67'	15.17'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.13	0.18	0.24	0.30	0.33	0.36	0.43	0.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.30	0.35	0.41	0.47	0.50	0.53	0.60	0.66	—	—	—	—
C: TOP OF CURBS TO TOP OF 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

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.

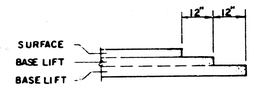
3) A TACK COAT OF [illegible] ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.

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 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

472-76-245-82013-000-000-001

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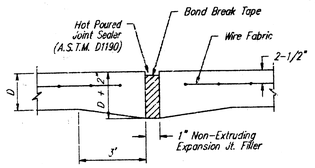
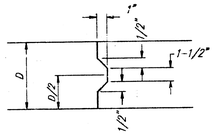
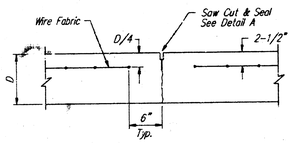


EXPANSION JOINT

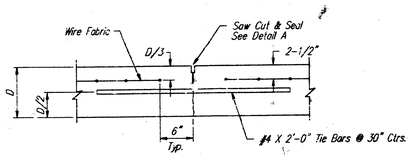
NOTE: Extra Thickness to be Subsidiary to Price of Square Yards Pavement



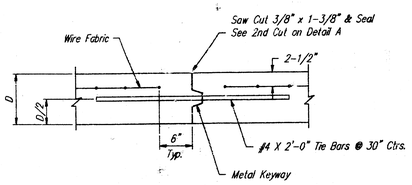
KEYWAY DETAIL



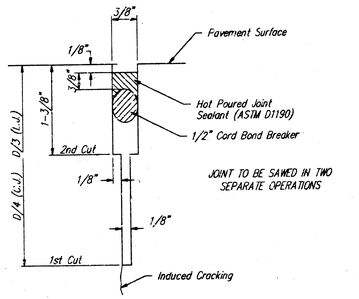
CONTRACTION JOINT DETAIL (C.J.)



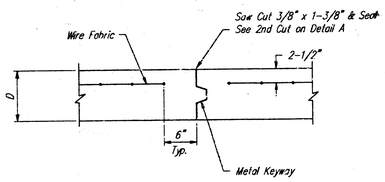
LONGITUDINAL JOINT DETAIL (L.J.)



LONGITUDINAL JOINT DETAIL (L.J.)

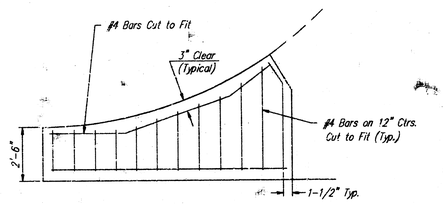


SAW JOINT DETAIL



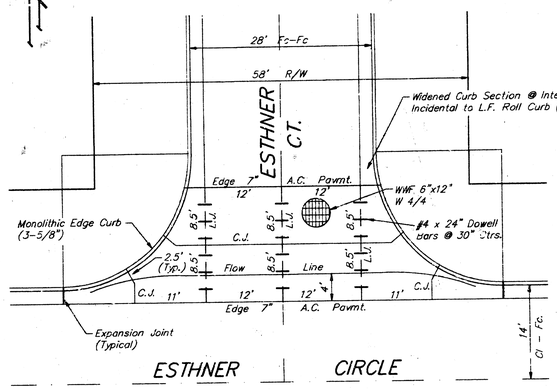
OPTIONAL CONTRACTION CONST. JOINT (C.J.)

(ALTERNATE C.J.)



WING REINFORCING DETAIL

Scale: 1" = 10'



ESTHNER CIRCLE

VALLEY GUTTER DETAILS

BAUGHMAN COMPANY P. A.
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REV.

PROJECT NUMBER
472-76-245-82013-000-000-001

SHEET 3 OF 7

DESIGN	DRAWN	APPROVED	DATE	SCALE
C.M.B.	C.M.B.	N.B.W.	12/89	1" = 10'

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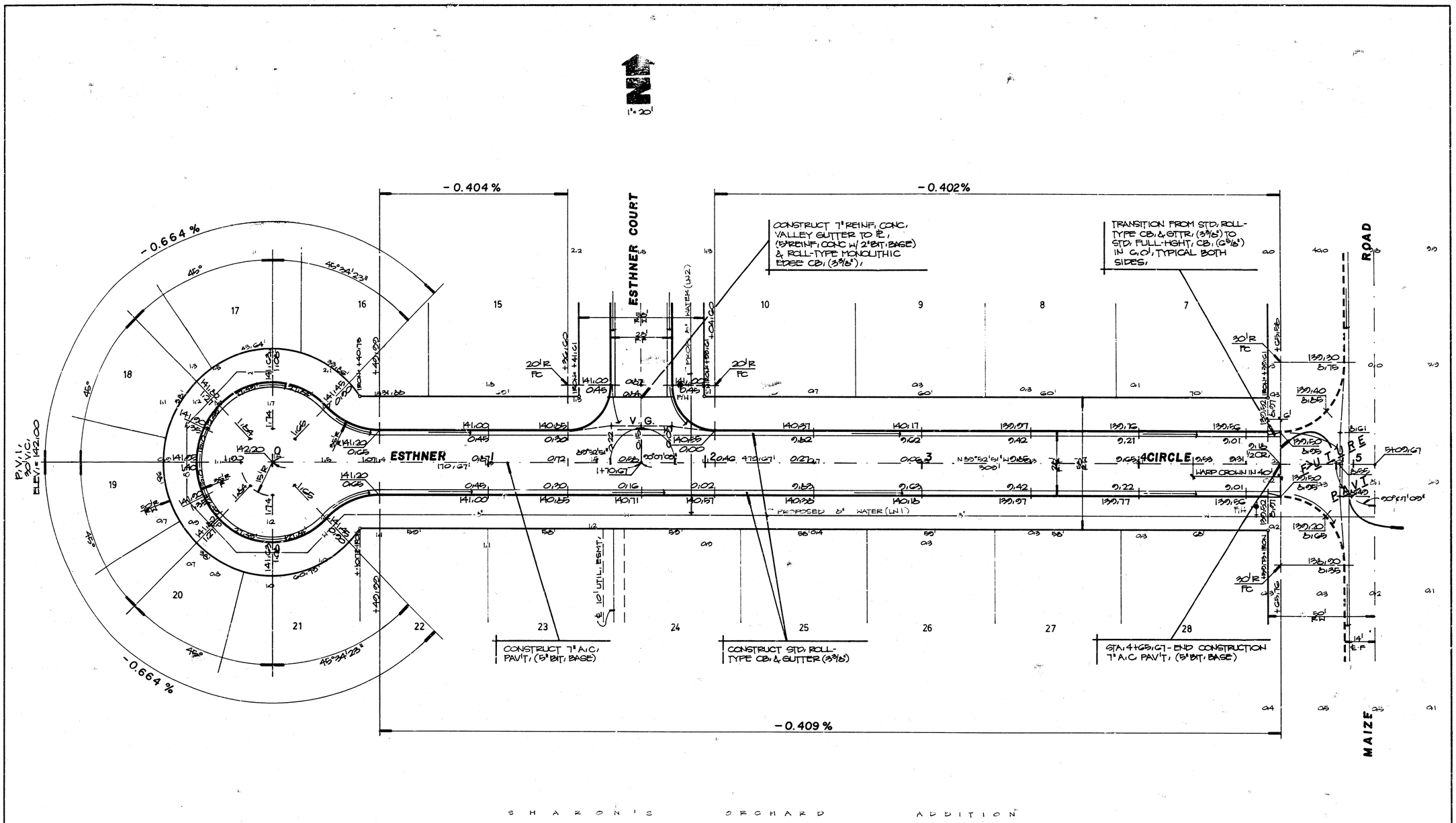

SHARON'S ORCHARD ADDITION

①

LN.#	STA.	LT.	RT.	V-BOX	BRKR. FLNG.
1	0+00	39.73'		140.60	
1	1+93.67		23'	141.60	
1	4+54.67		23'	139.90	140.17
2	0+33.93		23'	141.00	141.35
2	1+91.45	39.73'		141.95	

EARTHWORK QUANTITIES

Excavation 1077.7 cy. Compacted Fill 0 cy.
+10% 107.8 +10%
Total 1185.5 cy. Total 0 cy.
Subgrade Manipulation 2902 sy.
Borrow Material 0 cy.

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DESIGN	DRAWN	APPROVED	DATE	SCALE	REV.	SHEET
NBW	SGS	NBW	7/90	20		4 OF 7

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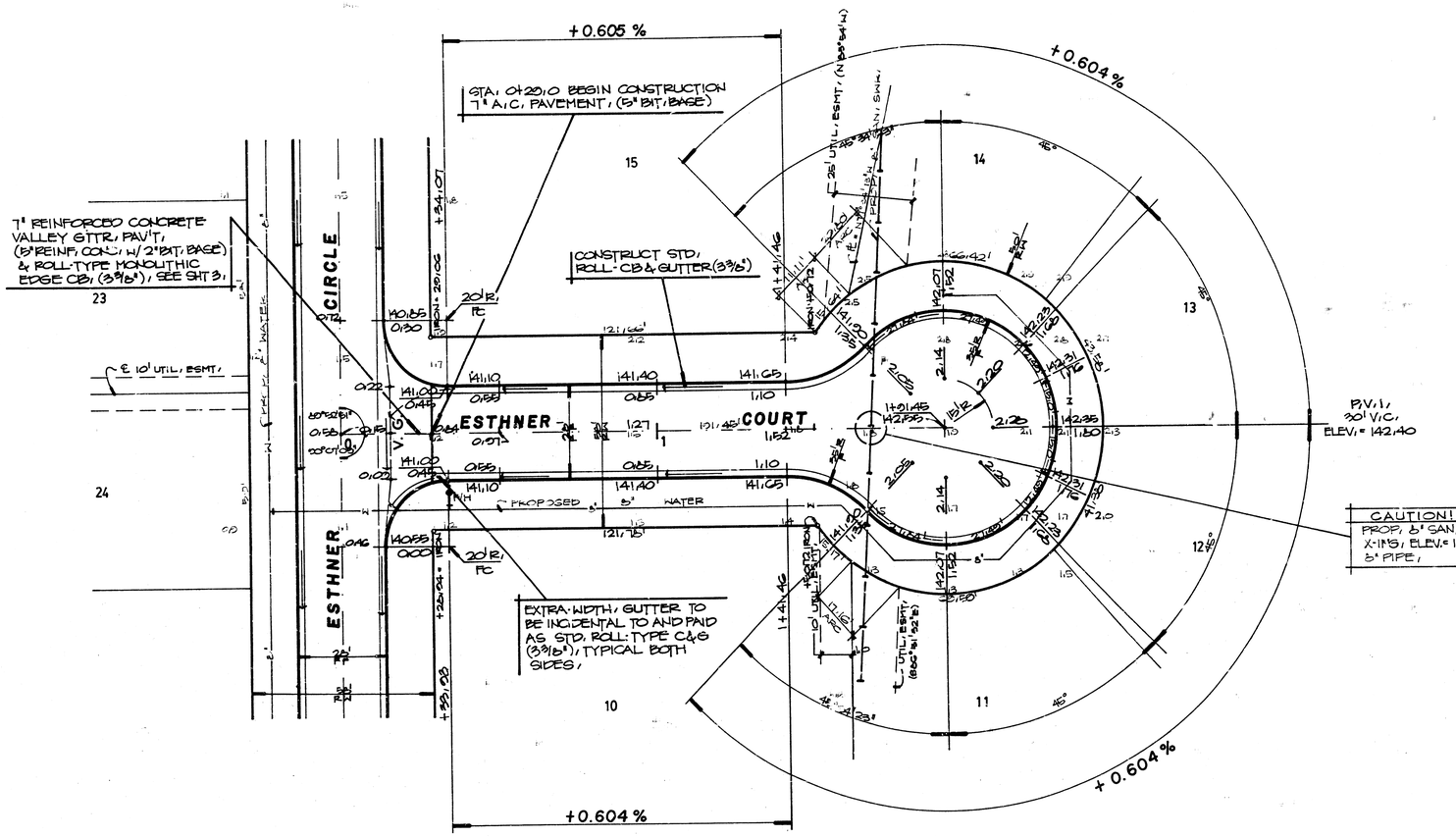

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ESTHNER COURT

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

REV.

PROJECT NUMBER
472-76-245-82013-000-000-001

SHEET 5 OF 7

DESIGN	DRAWN	APPROVED	DATE	SCALE
NBW	SCS.	NBW	7/80	20

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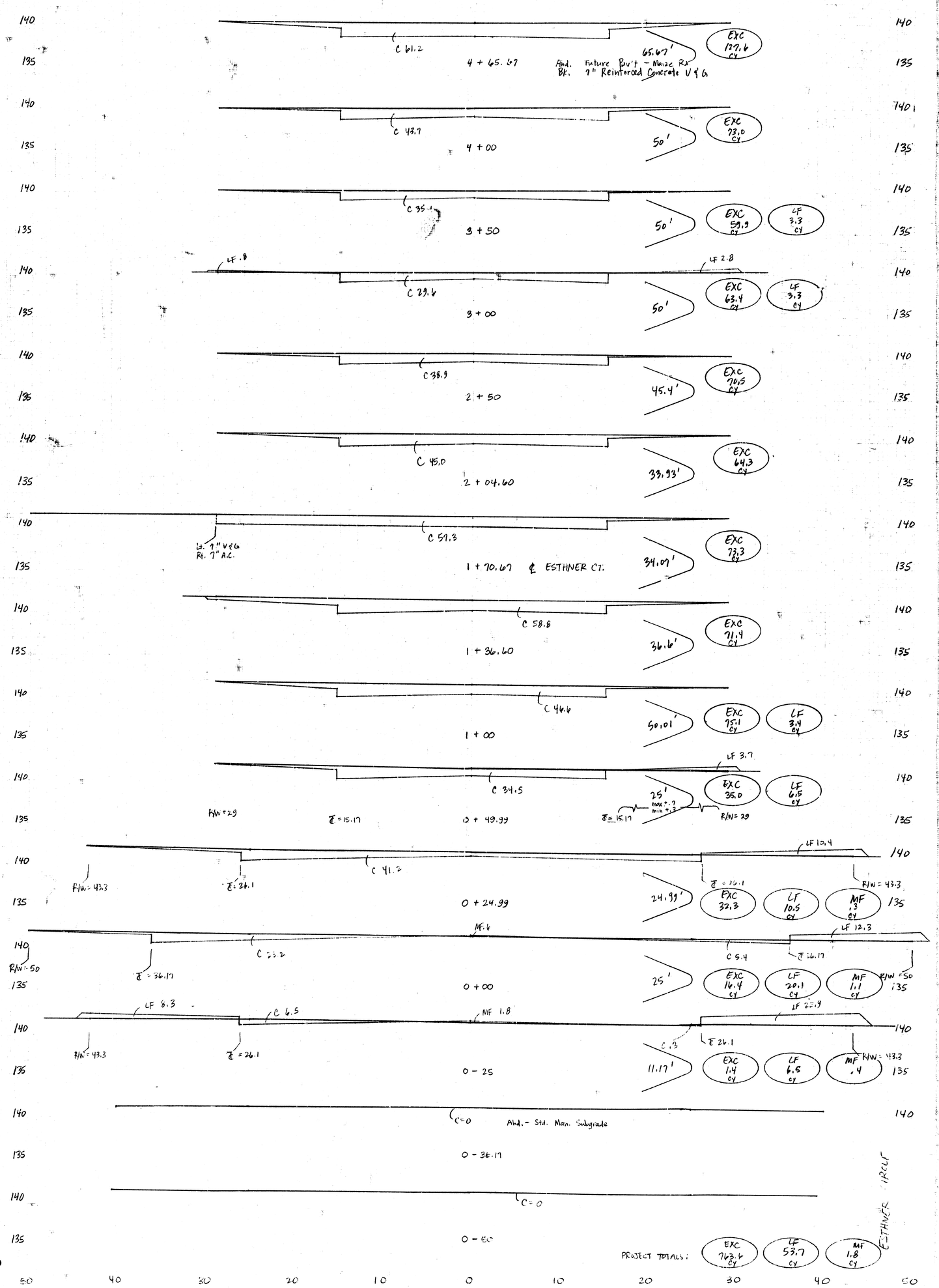

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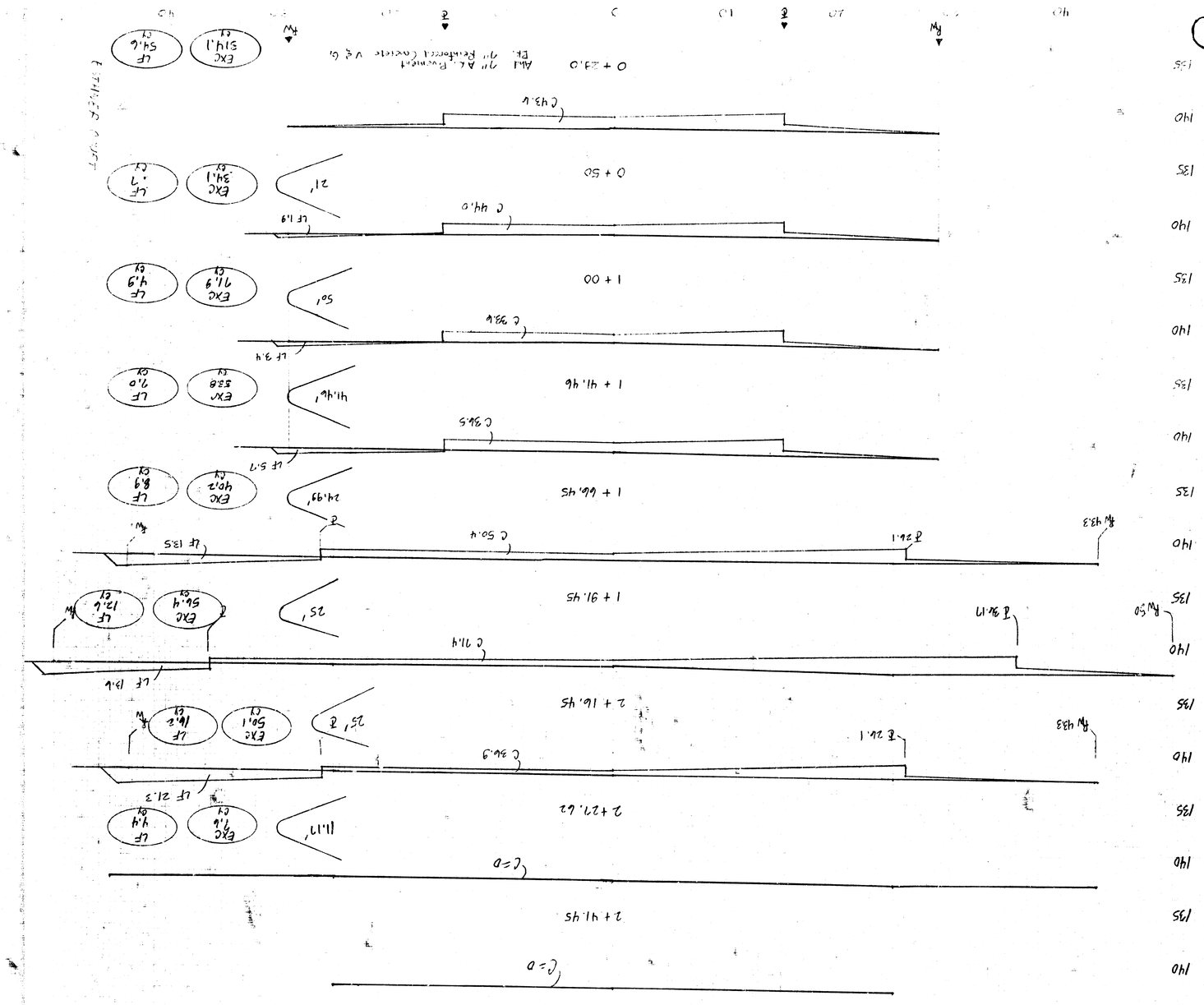
ESTHNER CIRCLE CROSS SECTIONS

6 7



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ESTHNER COURT CROSS SECTIONS

7

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