

CITY OF WICHITA, KANSAS
 MICHAEL E. LINDEBAK, P.E., CITY ENGINEER
STREET IMPROVEMENTS

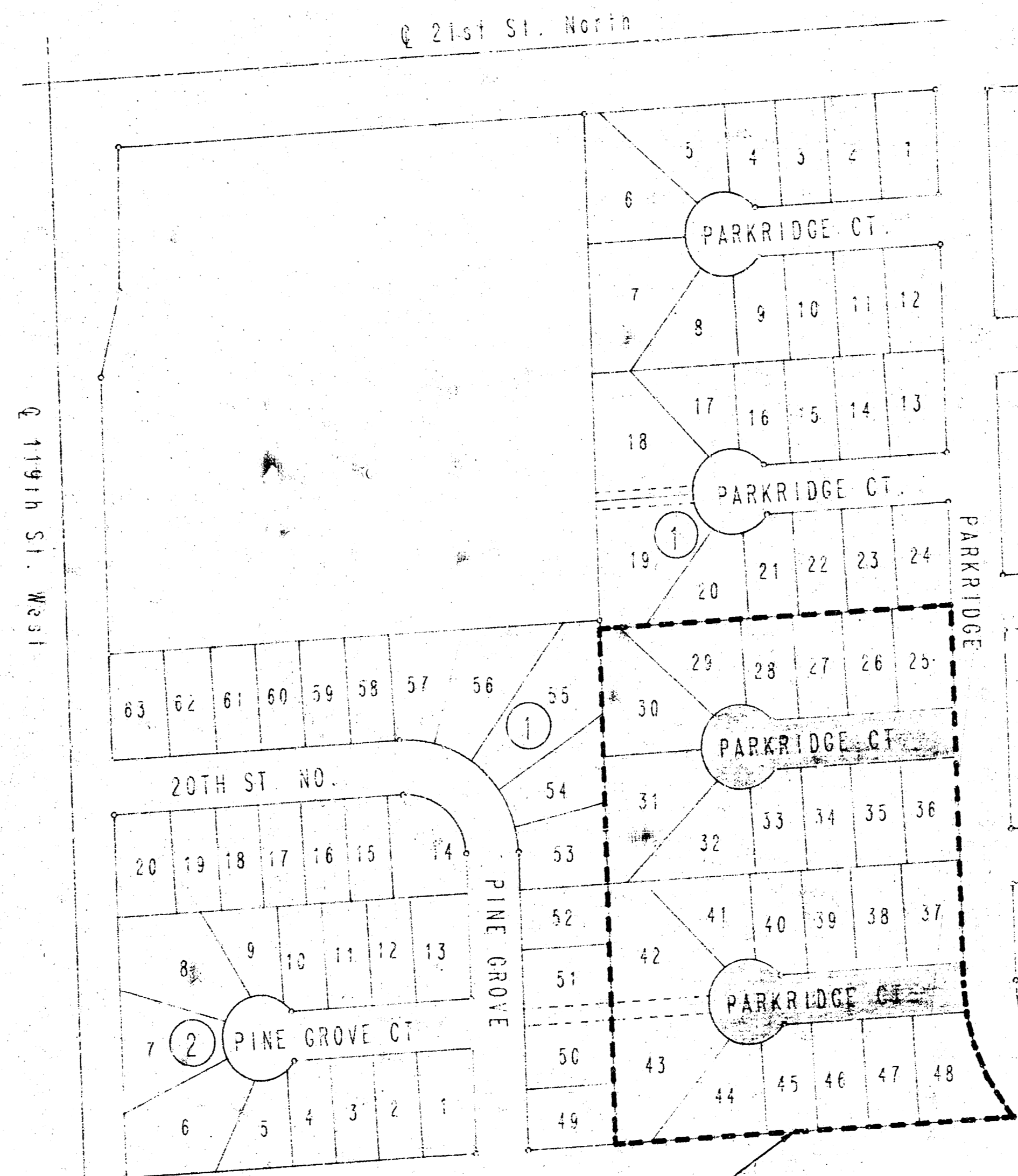
PARKRIDGE COURT - W.L. PARKRIDGE TO AND INCLUDING GUL-DE-SAG SERVING
 LOTS 25 THROUGH 36 INCLUSIVE, BLOCK 1
 PARKRIDGE COURT - W.L. PARKRIDGE TO AND INCLUDING GUL-DE-SAG SERVING
 LOTS 37 THROUGH 48 INCLUSIVE, BLOCK 1

IN
WOODBRIIDGE 3RD ADDITION
 CITY OF WICHITA PROJECT NO. 472-76-245-81552-000-000-001

- INDEX OF SHEETS**
1. TITLE SHEET
 2. PLAN
 3. TYPICAL 29' PAVEMENT DETAILS
 4. PLAN-PARKRIDGE COURT
 5. PLAN-PARKRIDGE COURT
 6. STANDARD DRIVE ENTRANCES
 - 7-8. CROSS-SECTIONS



SCALE: 1" = 150'



GENERAL NOTES

UTILITY SERVICE LINES, POLES, VALVE BOXES, METERS, AND ETCETERA ARE TO BE ADJUSTED OR REMOVED AS NECESSARY BY OTHERS PRIOR TO OR DURING CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.

RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND RUBBLE WHICH MAY BE ENCOUNTERED DURING EXCAVATION OPERATIONS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR OFF-SITE.

ALL EXCESS EXCAVATED MATERIAL FROM THIS PROJECT SHALL BE WASTED WITHIN ONE-HALF MILE OF THE PROJECT, EITHER ON A SITE IMMEDIATELY TO THE NORTH OR IMMEDIATELY TO THE SOUTH OF WOODBRIDGE 3RD ADDITION. THE CONTRACTOR SHALL CONTACT THE OWNER IN REGARD TO SPECIFIC LOCATION(S) FOR DISPOSAL OF EXCESS MATERIAL. NO EXCESS MATERIAL SHALL BE PLACED WITHIN THE STREET RIGHT-OF-WAY. WASTE MATERIAL SHALL BE BLADED SMOOTH AND SLOPED TO DRAIN. THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO OTHER BID ITEMS.

LIMITS OF EARTHWORK SHALL MATCH EXISTING GROUND ELEVATIONS AT THE RIGHT-OF-WAY LINE UNLESS OTHERWISE NOTED ON THE PLANS WITH A NEW FINISHED GRADE ELEVATION WHEN A NEW FINISHED GRADE ELEVATION IS SHOWN. THE EARTHWORK SHALL EXTEND ONE FOOT BEYOND THE RIGHT-OF-WAY LINE AND THEN SLOPED UP OR DOWN USING PERMISSIBLE SLOPES TO MATCH THE EXISTING GROUND SURFACE.

THE CONTRACTOR WILL BE PERMITTED TO BID ONLY ONE OF THE ALTERNATE TYPES OF SUBGRADE TREATMENT. THE TYPE BID BY THE SUCCESSFUL BIDDER WILL BE THE TYPE OF SUBGRADE TREATMENT USED TO CONSTRUCT THE PROJECT.

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 OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS.

A SAW CUT AT LEAST ONE-HALF THE DEPTH OF EXISTING SURFACE COURSES OR ONE-FOURTH THE DEPTH OF THE EXISTING TOTAL PAVEMENT THICKNESS SHALL BE PROVIDED AT LOCATIONS WHERE PROPOSED CONSTRUCTION ADJUTS AN EXISTING SURFACE COURSE OR PAVEMENT FOR WHICH PARTIAL REMOVAL OF THAT SURFACE OR PAVEMENT IS REQUIRED. SAW JOINT TO FACILITATE REMOVAL WITHIN THREE (3) FEET OF EXISTING JOINTS WILL NOT BE PERMITTED AND FOR SUCH INSTANCES THE LIMITS OF REMOVAL SHALL EXTEND TO THE EXISTING JOINT. SUCH SAW CUTS WILL NOT BE PAID FOR DIRECTLY AND THIS COST SHALL BE CONSIDERED AS SUBSIDIARY TO THE REMOVAL OF THE SURFACE OR PAVEMENT.

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.

PROJECT SURVEY CONTROL

VERTICAL DATUM: CITY OF WICHITA DATUM
 DATUM BENCH MARK: C.O.W. BM DISC AT S.E. CORNER 119TH ST. W. AND 21ST ST. N. ELEV. = 172.08
 BENCH MARK: R.R. SPIKE IN E. FACE HACKBERRY TREE 25' W. OF E. 119TH ST. W. & 15.5' N. OF S.L. BLOCK 2, WOODBRIDGE 3RD ADDITION. ELEV. = 170.44

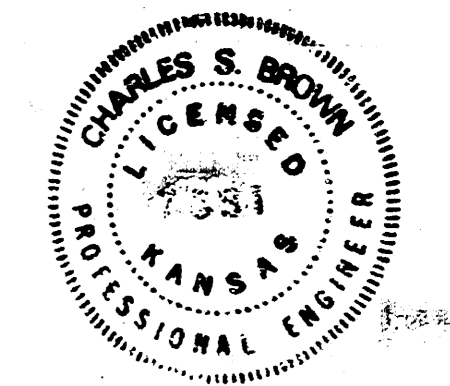
EARTHWORK

EXCAVATION	
X-SECTIONS	873 CU. YDS.
10%	87 CU. YDS.
TOTAL	960 CU. YDS.
COMPACTED FILL	
X-SECTIONS	0 CU. YDS.
10%	0 CU. YDS.
TOTAL	0 CU. YDS.
MANIPULATED FILL	
X-SECTIONS	0 CU. YDS.
10%	0 CU. YDS.
TOTAL	0 CU. YDS.
LOOSE FILL	
X-SECTIONS	44 CU. YDS.
10%	4 CU. YDS.
TOTAL	48 CU. YDS.

SUBGRADE MANIPULATION=2,457 S.Y.

BENEFIT DISTRICT

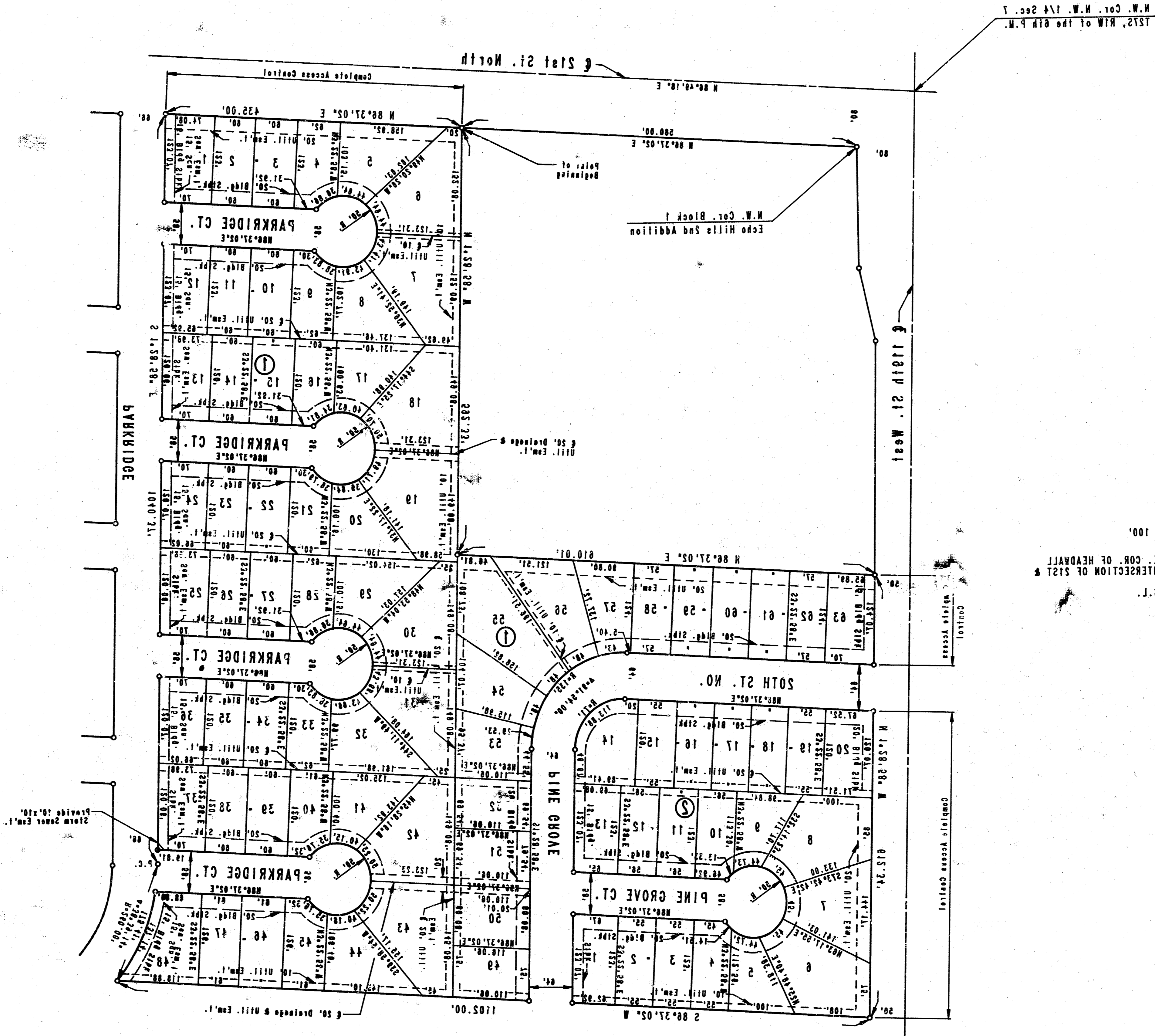
JUNE, 1987
 PLANS PREPARED BY
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
 ENGINEERS
 WICHITA, KANSAS



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PROJECT NO.	415-18-542-81225-000-000-001
SHEET NO.	5
TOTAL SHEETS	8

WOODBRIDGE 3RD ADDITION
TO WICHITA, SEDGWICK COUNTY, KANSAS



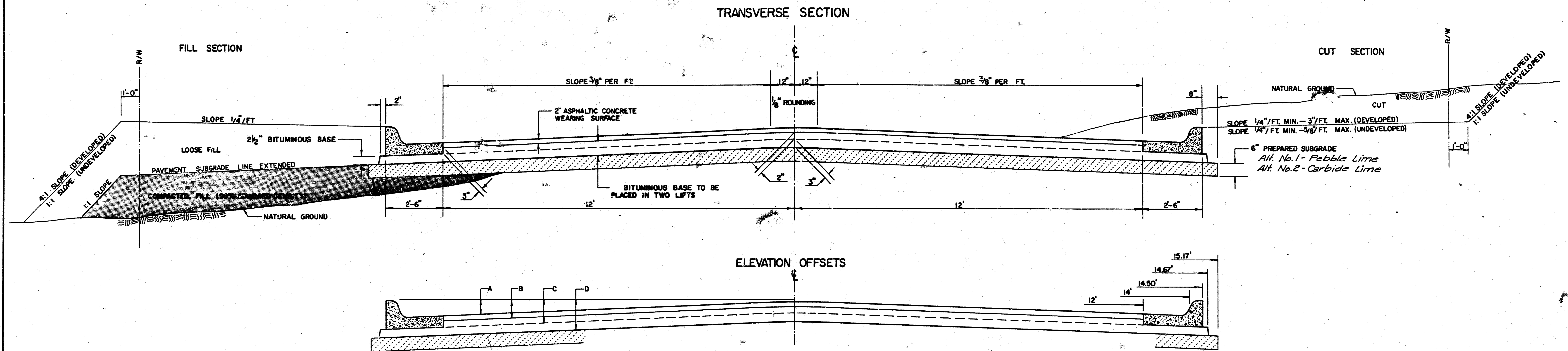
SCALE: 1" = 100'
 B.M. - CHISELED "O" & M.E. COR. OF HERBALL
 150FT. WEST OF INTERSECTION OF 51ST &
 WISE RD.
 ECA - 1221.002 M.2.T.

DATE	APR 1981	DR	8102
CHECKED BY		DATE	
WICHITA, KANSAS ENGINEERS PROFESSIONAL ENGINEERING CONSULTANTS, P.A.			
PLAT			

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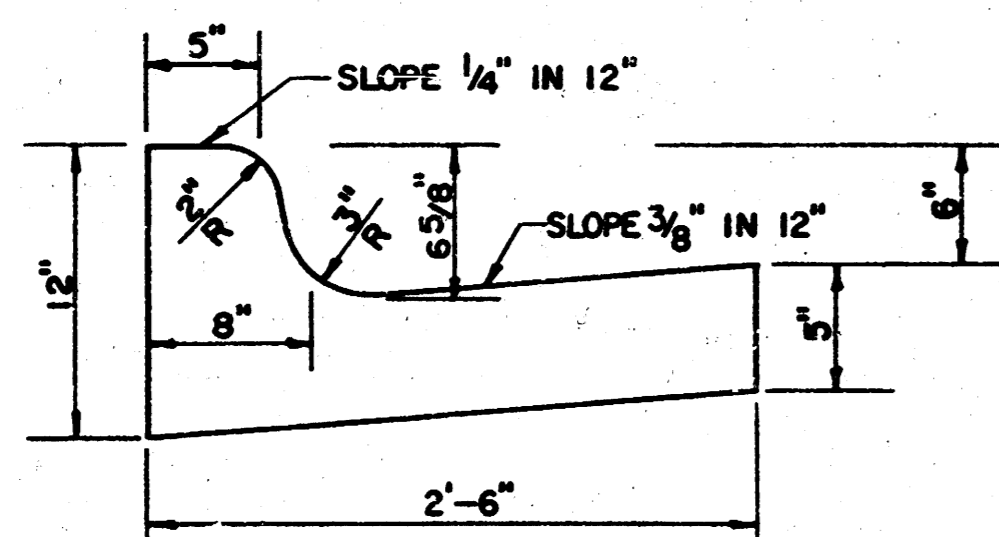
TYPICAL 29' PAVEMENT DETAILS

3/8

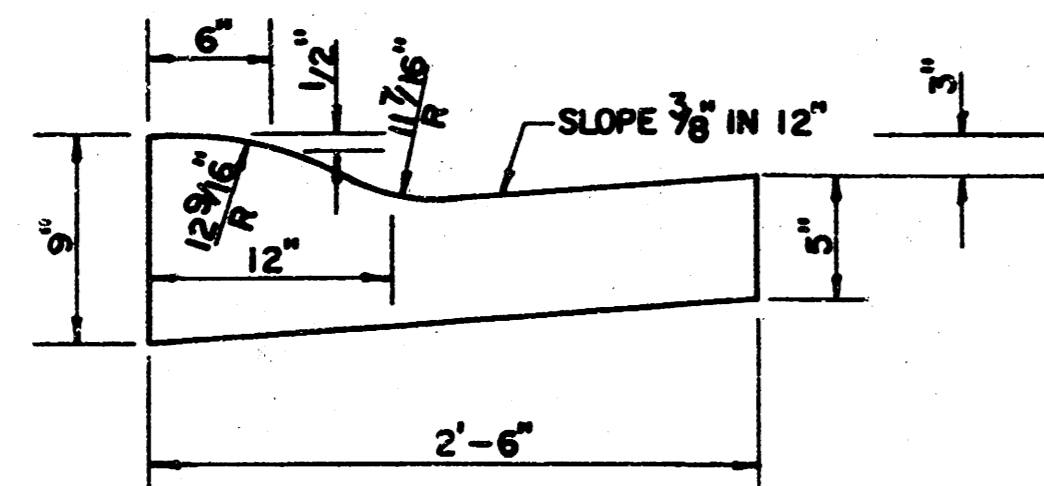


	DISTANCE FROM CENTERLINE (LT. & RT.)											
	0'	2'	4'	6'	7'	8'	10'	12'	14'	14.5'	14.67'	15.17'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.13	0.18	0.24	0.30	0.33	0.36	0.43	0.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.30	0.35	0.41	0.47	0.50	0.53	0.60	0.66	—	—	—	—
C: TOP OF CURBS TO TOP OF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

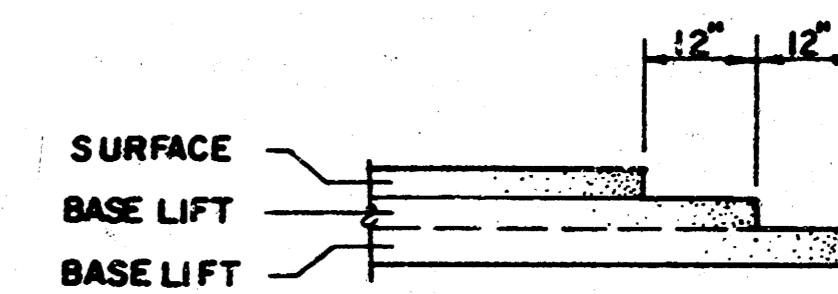
COMBINED CURB & GUTTER



ROLL TYPE COMBINED CURB & GUTTER



TRANSVERSE CONSTRUCTION JOINTS



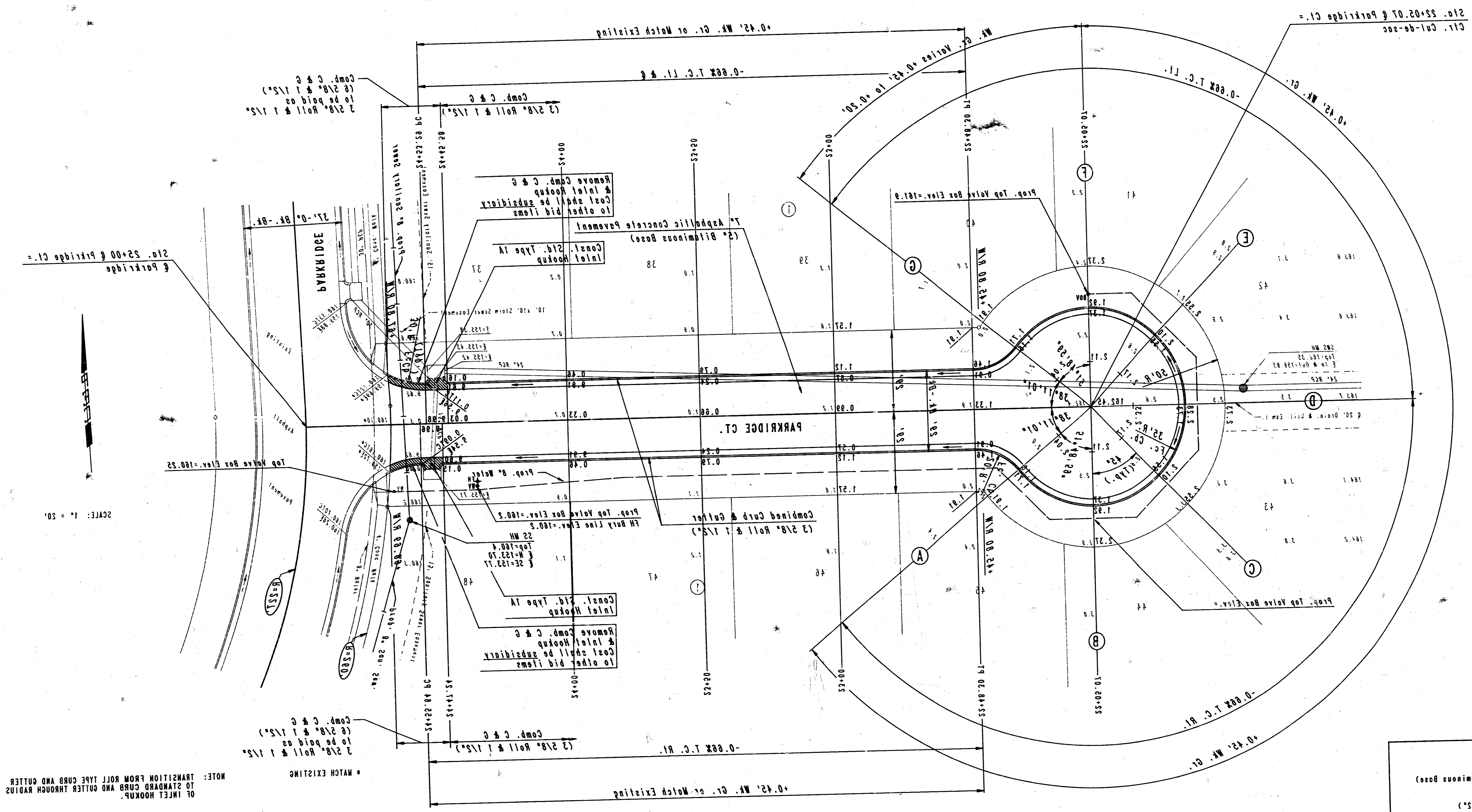
TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINTS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 7" ASPHALTIC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

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
 472 76 245 B1552 000 000 001 3/8

PROJECT NO.	415-18-84-8123-000-000-001
SHEET NO.	4
TOTAL SHEETS	8



INTERSECTION QUANTITIES

2.1. Asphalt Concrete Pavement
2.2. Asphalt Concrete Pavement (2" Bituminous Base)
2.3. 2" Bituminous Base
2.4. Combined Curb & Gutter (27" & 17.5")
2.5. Median Combined Curb & Gutter (8")
2.6. Standard Wheelchair Ramp Construction
2.7. Asphalt Concrete Pavement
2.8. Asphalt Stabilization
2.9. Asphalt Lime Stabilization
2.10. Asphalt Quicklime Stabilization
2.11. Cement Stabilization
2.12. Fly Ash Stabilization
2.13. Prepacked Fine Stabilization
2.14. Reinforced Concrete & Asphalt Concrete Base

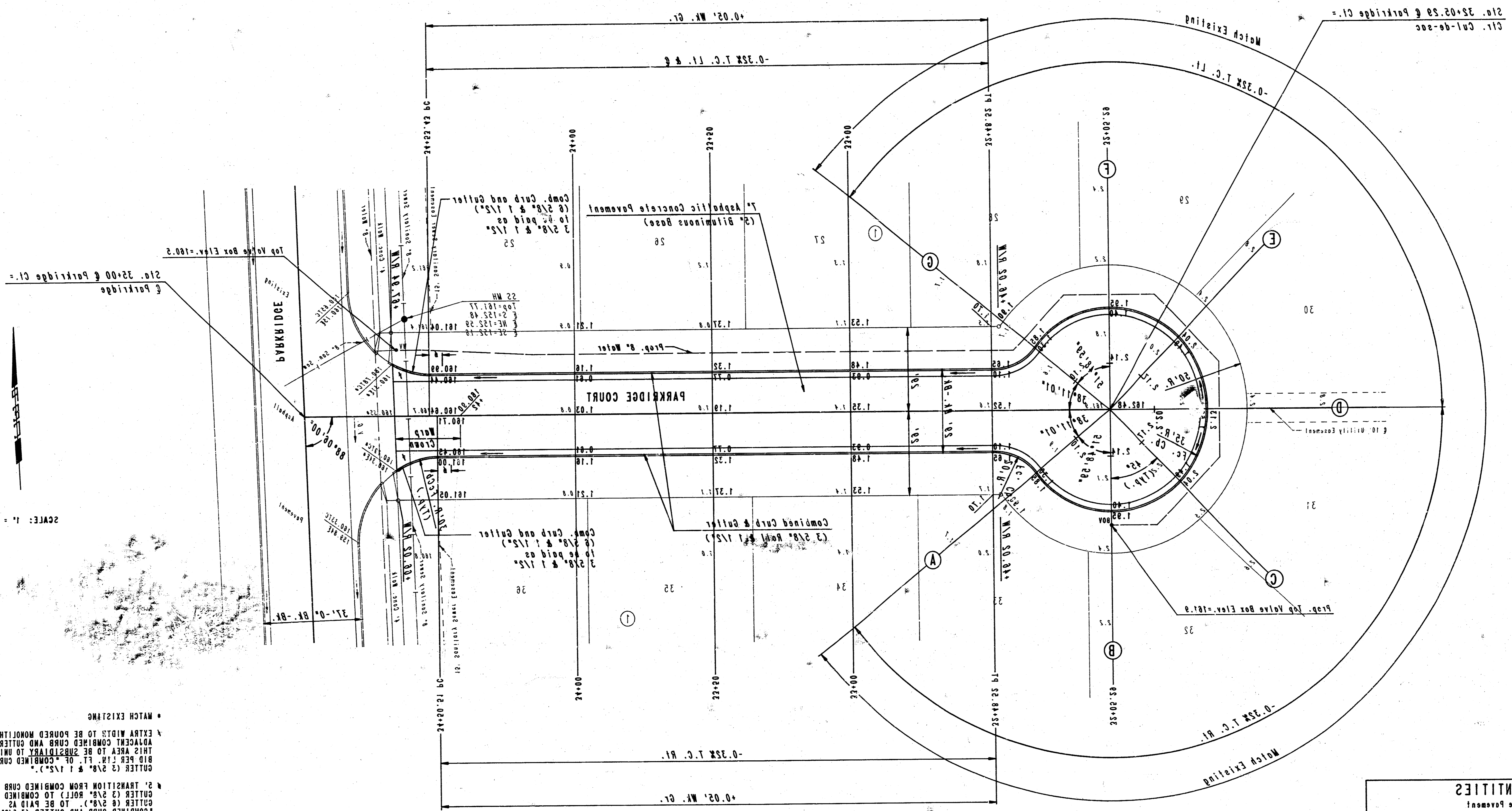
NOTE: THIS STREET TO BE CONSTRUCTED WITH ROLL-TYPE CURB.

PARKRIDGE COURT
STA. 25+02.07 TO STA. 25+00

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
WICHITA, KANSAS
ENGINEERS
Checked by: CDR, CDD
Date: APR. 1987
Drawn by: DEP

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PROJECT NO.	415-18-542-81225-000-000-001
SHEET NO.	2
SHEET TOTAL	8



* MATCH EXISTING
 * EXTRA WIDTH TO BE POURED MONOLITHIC WITH ADJACENT COMBINED CURB AND GUTTER. THIS AREA TO BE SUBORDINARY TO UNIT PRICE BID FOR CURB, ROLL UP COMBINED CURB AND GUTTER (3 2/8" & 1 1/2").
 * TRANSITION FROM COMBINED CURB AND GUTTER (3 2/8" & 1 1/2") TO BE PAID AS COMBINED CURB AND GUTTER (3 2/8" ROLL & 1 1/2").

SCALE: 1" = 50'

INTERSECTION QUANTITIES

2.1	Y. V. C. Concrete & Asphaltic Concrete Base	13.25
2.2	Y. V. C. Concrete & Asphaltic Concrete Base	40.88
2.3	Y. V. C. Concrete & Asphaltic Concrete Base	13.25
2.4	Y. V. C. Concrete & Asphaltic Concrete Base	31.52
2.5	Y. V. C. Concrete & Asphaltic Concrete Base	1.7
2.6	Y. V. C. Concrete & Asphaltic Concrete Base	1.7
2.7	Y. V. C. Concrete & Asphaltic Concrete Base	1.7
2.8	Y. V. C. Concrete & Asphaltic Concrete Base	1.7
2.9	Y. V. C. Concrete & Asphaltic Concrete Base	1.7
2.10	Y. V. C. Concrete & Asphaltic Concrete Base	1.7
2.11	Y. V. C. Concrete & Asphaltic Concrete Base	1.7
2.12	Y. V. C. Concrete & Asphaltic Concrete Base	1.7
2.13	Y. V. C. Concrete & Asphaltic Concrete Base	1.7
2.14	Y. V. C. Concrete & Asphaltic Concrete Base	1.7
2.15	Y. V. C. Concrete & Asphaltic Concrete Base	1.7
2.16	Y. V. C. Concrete & Asphaltic Concrete Base	1.7
2.17	Y. V. C. Concrete & Asphaltic Concrete Base	1.7
2.18	Y. V. C. Concrete & Asphaltic Concrete Base	1.7
2.19	Y. V. C. Concrete & Asphaltic Concrete Base	1.7
2.20	Y. V. C. Concrete & Asphaltic Concrete Base	1.7

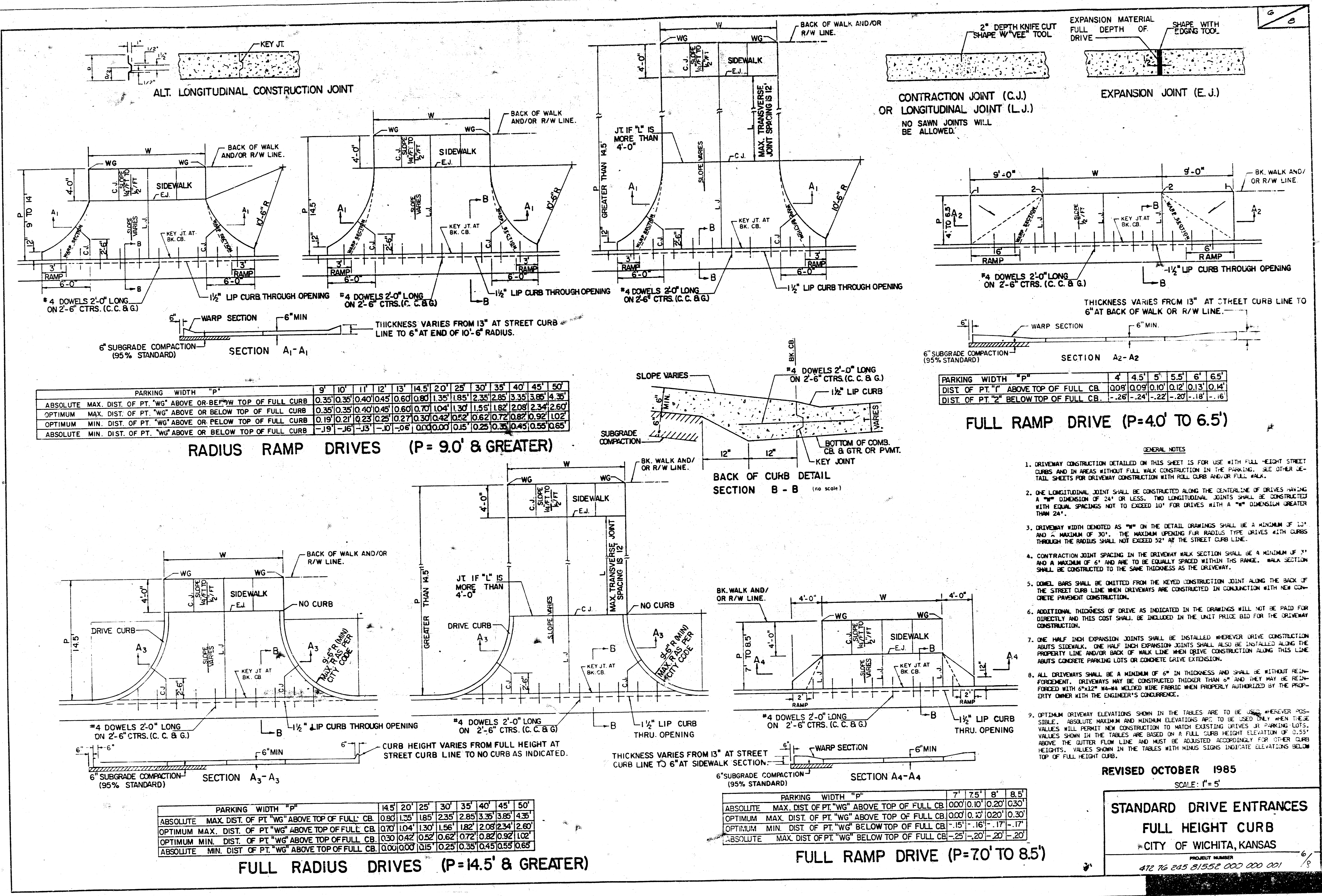
NOTE: THIS STREET TO BE CONSTRUCTED WITH ROLL-TYPE CURB.

PARKRIDGE COURT
 STA. 35+02.58 TO STA. 32+00

PROFESSIONAL ENGINEERING CONSULTANTS, P. A.
 ENGINEERS
 WICHITA, KANSAS

Drawn by	DEP	Date	MAR. 1981
Checked by	CSE, DDD		

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PARKING WIDTH "P"		9'	10'	11'	12'	13'	14.5'	20'	25'	30'	35'	40'	45'	50'
ABSOLUTE	MAX. DIST. OF PT. "WG" ABOVE OR BELOW TOP OF FULL CURB	0.35'	0.35'	0.40'	0.45'	0.60'	0.80'	1.35'	1.85'	2.35'	2.85'	3.35'	3.85'	4.35'
OPTIMUM	MAX. DIST. OF PT. "WG" ABOVE OR BELOW TOP OF FULL CURB	0.35'	0.35'	0.40'	0.45'	0.60'	0.70'	1.04'	1.30'	1.55'	1.82'	2.08'	2.34'	2.60'
OPTIMUM	MIN. DIST. OF PT. "WG" ABOVE OR BELOW TOP OF FULL CURB	0.19'	0.21'	0.23'	0.25'	0.27'	0.30'	0.42'	0.52'	0.62'	0.72'	0.82'	0.92'	1.02'
ABSOLUTE	MIN. DIST. OF PT. "WG" ABOVE OR BELOW TOP OF FULL CURB	-0.19'	-0.16'	-0.13'	-0.10'	-0.06'	0.00'	0.00'	0.15'	0.25'	0.35'	0.45'	0.55'	0.65'

RADIUS RAMP DRIVES (P=9.0' & GREATER)

PARKING WIDTH "P"		4'	4.5'	5'	5.5'	6'	6.5'
DIST. OF PT. "1" ABOVE TOP OF FULL CB.		0.08'	0.09'	0.10'	0.12'	0.13'	0.14'
DIST. OF PT. "2" BELOW TOP OF FULL CB.		-0.26'	-0.24'	-0.22'	-0.20'	-0.18'	-0.16'

FULL RAMP DRIVE (P=4.0' TO 6.5')

- GENERAL NOTES**
- DRIVEWAY CONSTRUCTION DETAILED ON THIS SHEET IS FOR USE WITH FULL HEIGHT STREET CURBS AND IN AREAS WITHOUT FULL WALK CONSTRUCTION IN THE PARKING. SEE OTHER DETAIL SHEETS FOR DRIVEWAY CONSTRUCTION WITH ROLL CURB AND/OR FULL WALK.
 - ONE LONGITUDINAL JOINT SHALL BE CONSTRUCTED ALONG THE CENTERLINE OF DRIVES HAVING A "P" DIMENSION OF 24' OR LESS. TWO LONGITUDINAL JOINTS SHALL BE CONSTRUCTED WITH EQUAL SPACINGS NOT TO EXCEED 10' FOR DRIVES WITH A "P" DIMENSION GREATER THAN 24'.
 - DRIVEWAY WIDTH DENOTED AS "W" ON THE DETAIL DRAWINGS SHALL BE A MINIMUM OF 13' AND A MAXIMUM OF 30'. THE MAXIMUM OPENING FOR RADIUS TYPE DRIVES WITH CURBS THROUGH THE RADIUS SHALL NOT EXCEED 52' AT THE STREET CURB LINE.
 - CONTRACTION JOINT SPACING IN THE DRIVEWAY WALK SECTION SHALL BE A MINIMUM OF 3' AND A MAXIMUM OF 6' AND ARE TO BE EQUALLY SPACED WITHIN THIS RANGE. WALK SECTION SHALL BE CONSTRUCTED TO THE SAME THICKNESS AS THE DRIVEWAY.
 - DOWEL BARS SHALL BE OMITTED FROM THE KEYS CONSTRUCTION JOINT ALONG THE BACK OF THE STREET CURB LINE WHEN DRIVEWAYS ARE CONSTRUCTED IN CONJUNCTION WITH NEW CONCRETE PAVEMENT CONSTRUCTION.
 - ADDITIONAL THICKNESS OF DRIVE AS INDICATED IN THE DRAWINGS WILL NOT BE PAID FOR DIRECTLY AND THIS COST SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE DRIVEWAY CONSTRUCTION.
 - ONE HALF INCH EXPANSION JOINTS SHALL BE INSTALLED WHEREVER DRIVE CONSTRUCTION ABUTS SIDEWALK. ONE HALF INCH EXPANSION JOINTS SHALL ALSO BE INSTALLED ALONG THE PROPERTY LINE AND/OR BACK OF WALK LINE WHEN DRIVE CONSTRUCTION ALONG THIS LINE ABUTS CONCRETE PARKING LOTS OR CONCRETE DRIVE EXTENSION.
 - ALL DRIVEWAYS SHALL BE A MINIMUM OF 6" IN THICKNESS AND SHALL BE WITHOUT REINFORCEMENT. DRIVEWAYS MAY BE CONSTRUCTED THICKER THAN 6" AND THEY MAY BE REINFORCED WITH 6"x12" W-4 WELDED WIRE FABRIC WHEN PROPERLY AUTHORIZED BY THE PROPERTY OWNER WITH THE ENGINEER'S CONFORMANCE.
 - OPTIMUM DRIVEWAY ELEVATIONS SHOWN IN THE TABLES ARE TO BE USED WHEREVER POSSIBLE. ABSOLUTE MAXIMUM AND MINIMUM ELEVATIONS ARE TO BE USED ONLY WHEN THESE VALUES WILL PERMIT NEW CONSTRUCTION TO MATCH EXISTING DRIVES IN PARKING LOTS. VALUES SHOWN IN THE TABLES ARE BASED ON A FULL CURB HEIGHT ELEVATION OF 0.55' ABOVE THE GUTTER FLOW LINE AND MUST BE ADJUSTED ACCORDINGLY FOR OTHER CURB HEIGHTS. VALUES SHOWN IN THE TABLES WITH MINUS SIGNS INDICATE ELEVATIONS BELOW TOP OF FULL HEIGHT CURB.

REVISED OCTOBER 1985
SCALE: 1" = 5'

PARKING WIDTH "P"		14.5'	20'	25'	30'	35'	40'	45'	50'
ABSOLUTE	MAX. DIST. OF PT. "WG" ABOVE TOP OF FULL CB.	0.80'	1.35'	1.85'	2.35'	2.85'	3.35'	3.85'	4.35'
OPTIMUM	MAX. DIST. OF PT. "WG" ABOVE TOP OF FULL CB.	0.70'	1.04'	1.30'	1.55'	1.82'	2.08'	2.34'	2.60'
OPTIMUM	MIN. DIST. OF PT. "WG" ABOVE TOP OF FULL CB.	0.30'	0.42'	0.52'	0.62'	0.72'	0.82'	0.92'	1.02'
ABSOLUTE	MIN. DIST. OF PT. "WG" ABOVE TOP OF FULL CB.	0.00'	0.00'	0.15'	0.25'	0.35'	0.45'	0.55'	0.65'

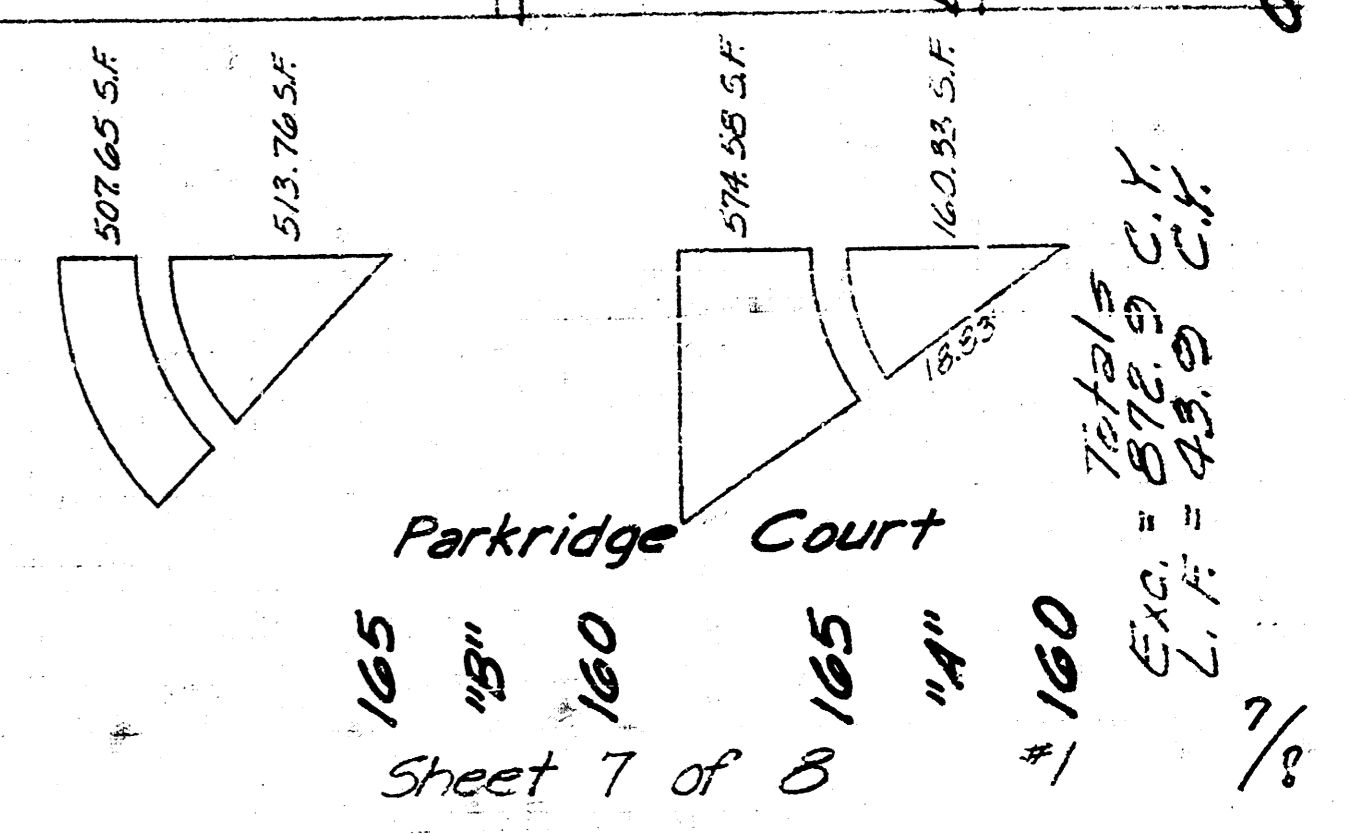
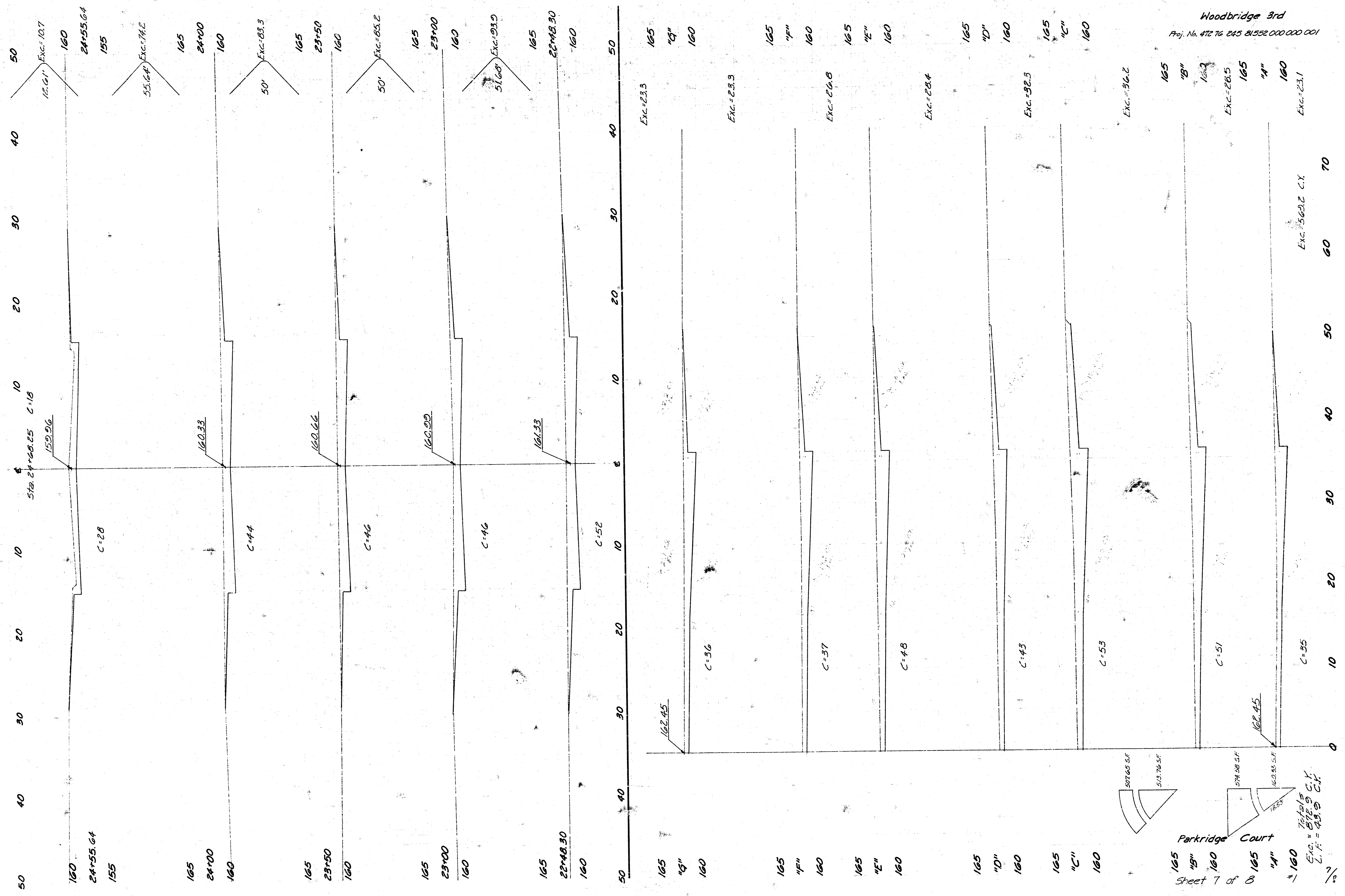
FULL RADIUS DRIVES (P=14.5' & GREATER)

PARKING WIDTH "P"		7'	7.5'	8'	8.5'
ABSOLUTE	MAX. DIST. OF PT. "WG" ABOVE TOP OF FULL CB.	0.00'	0.10'	0.20'	0.30'
OPTIMUM	MAX. DIST. OF PT. "WG" ABOVE TOP OF FULL CB.	0.00'	0.10'	0.20'	0.30'
OPTIMUM	MIN. DIST. OF PT. "WG" BELOW TOP OF FULL CB.	-0.15'	-0.16'	-0.17'	-0.17'
ABSOLUTE	MIN. DIST. OF PT. "WG" BELOW TOP OF FULL CB.	-0.25'	-0.20'	-0.20'	-0.20'

FULL RAMP DRIVE (P=7.0' TO 8.5')

STANDARD DRIVE ENTRANCES
FULL HEIGHT CURB
CITY OF WICHITA, KANSAS
PROJECT NUMBER
472 76 245 81552 000 000 001

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