

CONSTRUCTION PLANS FOR STREET IMPROVEMENTS ABERDEEN FIRST ADDITION - BRITTON ST. TO THE CITY OF WICHITA, KANSAS

MICHAEL E. LINDEBAK, P.E. -- CITY ENGINEER
PROJECT NO. 472-82634
INDEX CODE 764076

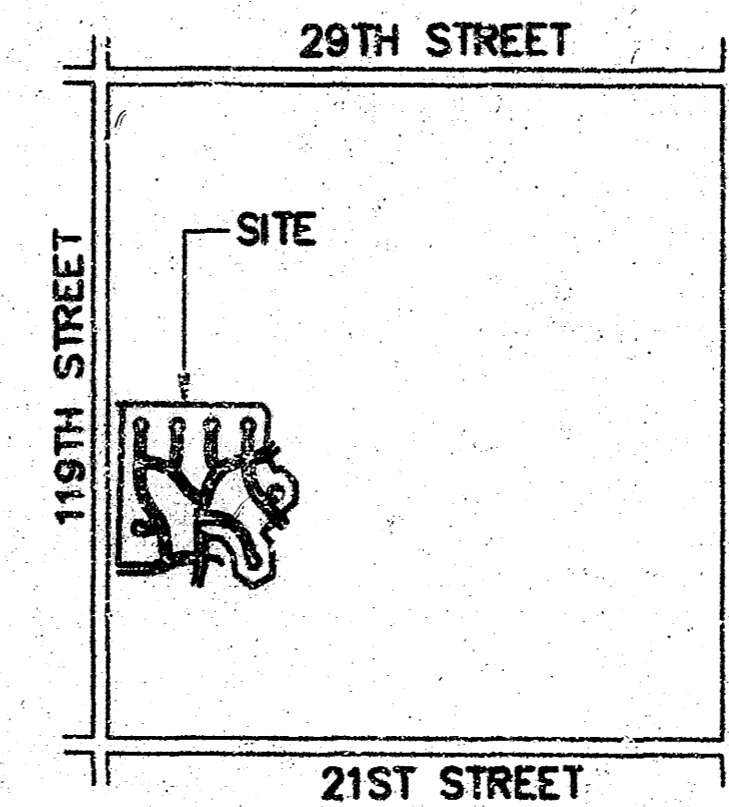
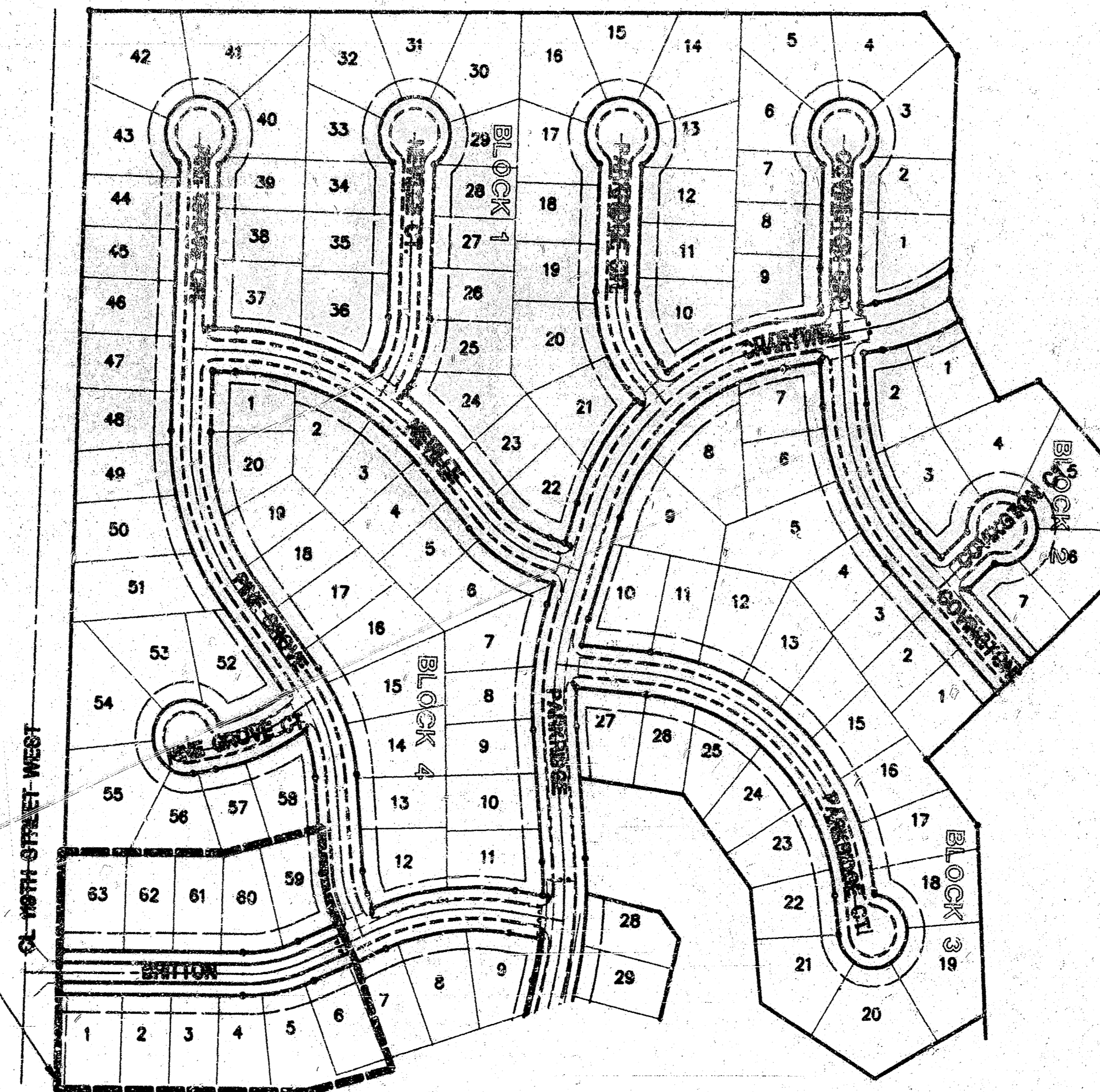
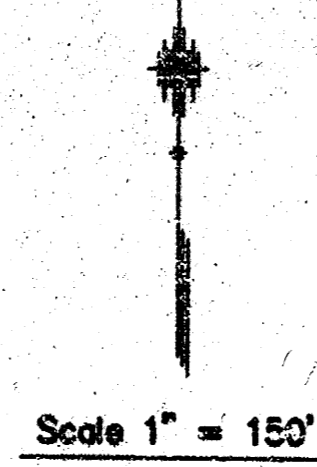
INDEX

TITLE SHEET	SHEET 1
TYPICAL 29' PAVEMENT DETAILS	SHEET 2
BRITTON	SHEET 3
CROSS SECTIONS	SHEET 4
EARTHWORK SUMMARY	SHEET 5
STREET SIGN DETAILS	SHEET 6
ABERDEEN FIRST ADDITION PLAT	SHEET 7

BRITTON from the W. Side of 119th St. W. to the E. Line of Lot 59, Block 1

GENERAL NOTES

- Utility service lines, poles, valve boxes, meters and etc. are to be adjusted as necessary by others prior to 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. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.
- A saw cut of 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 abuts on existing surface course or pavement for which partial removal of that surface or pavement is required. Saws 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 project costs.
- Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be disposed of on sites to be provided by the Contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location. Locations that, in the opinion of the Engineer, will leave an unsightly appearance will not be approved.
All suitable excavation shall be wasted on lots within the boundaries of this benefit district. Material shall be spread evenly in 8" maximum lifts.
All disposal sites must be approved by the Kansas Department of Health and Environment. Material either stockpiled or disposed in a flood plain would require a Kansas State Board of Agriculture permit. Any material dumped in waters of the United States or wetlands is subject to U.S. Corps of Engineers permitting regulations. Any material buried or stockpiled beyond approved construction limits would require additional archaeological investigations unless buried in a previously approved borrow location.
- Trees and 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 and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.
- 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 slope up or down using permissible slopes to reach the existing ground surface.
- The Contractor shall be responsible for preserving property lines. The Contractor will be required to reestablish any property lines which are damaged or destroyed by his construction operations. Such work shall be reestablished by a licensed land surveyor in accordance with state laws.
- All transition curb sets for six Roll Type Curb.
- All disturbed areas within street right-of-ways shall be seeded with temp. ryz grass within 14 days of disturbance at a rate of 200 lbs. per acre, except where otherwise noted on the plans. Contractor shall prepare ground per city spec. before seeding.



BENCH MARKS

(City of Wichita Datum)

- City of Wichita Disc 67' S. of Centaline 21st Street & 46' E. of Centaline 119th Street West. Elev. 172.08
- 80d Nail in P.P. 30' E. & 50' S. W. 1/4 Corner Section 6-1275-R1W Elev. 172.08
- 80d Nail in P.P. 40' W. & 40' N. of N.W. Corner Section 6-1275-R1W Elev. 175.05
- 50d Nail in P.P. 50' S. of N. 1/4 Corner Section 6-1275-R1W Elev. 179.98

TOTAL PROJECT LENGTH: 458.80 L.F. = .09 Mi.

EARTHWORK SUMMARY

Excavation	2440.1 C.Y.
Compacted Fill	0 C.Y.
Loose Fill	25.7 C.Y.
Waste	2414.4 C.Y.

JANUARY 1997

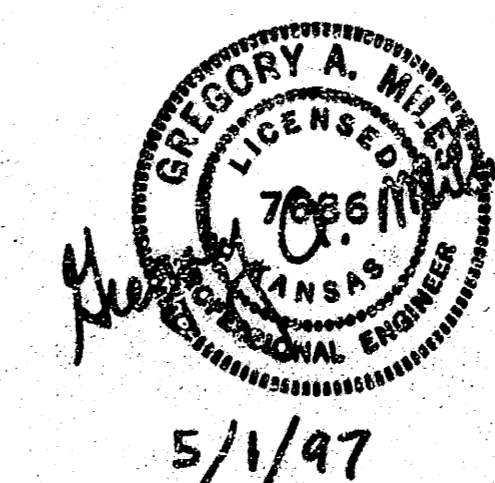
PLANS PREPARED

BY

FOE & ASSOCIATES OF KANSAS, INC.

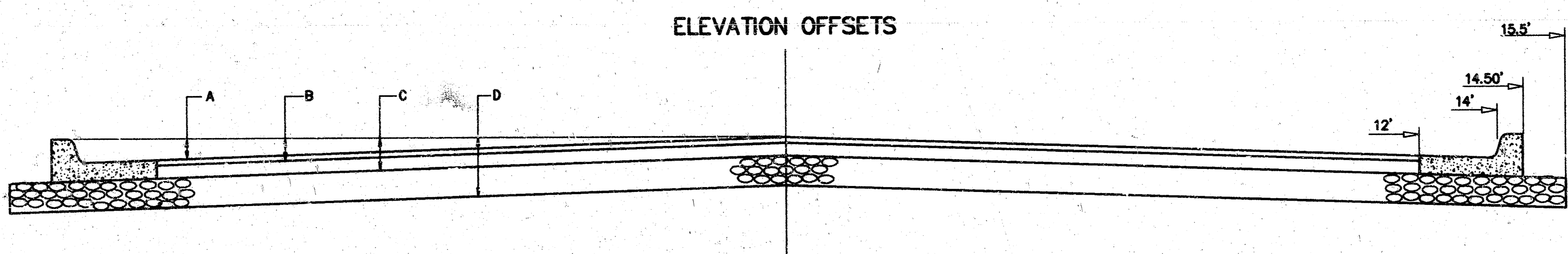
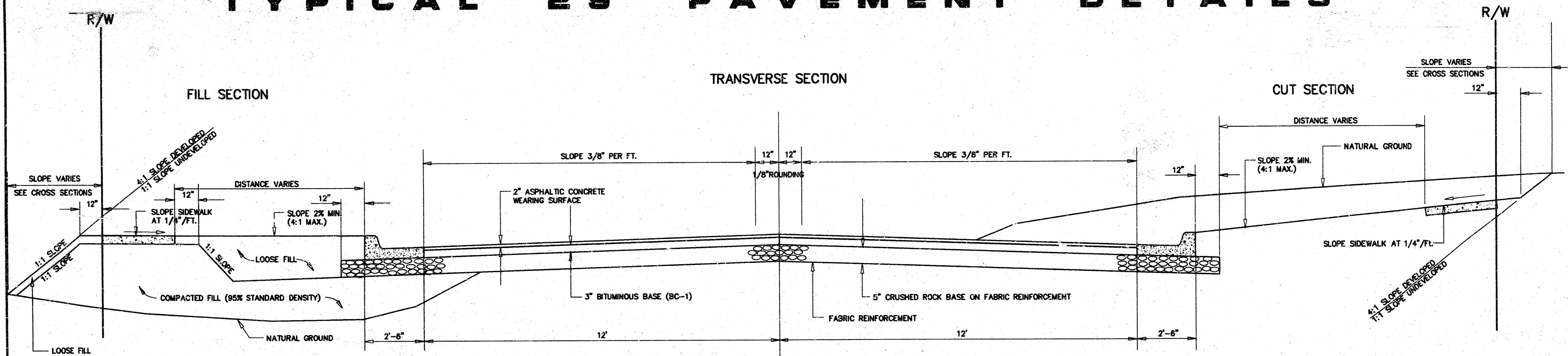
CONSULTING ENGINEERS

290 E. Center, Suite 200 • Wichita KS 67202 • 316/932-1114



5/1/97

TYPICAL 29' PAVEMENT DETAILS



	DISTANCE FROM CENTERLINE (LT. & RT.)									
	0'	2'	4'	6'	8'	10'	12'	14'	14.5'	15.5'
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	0.50	0.35	0.41	0.47	0.50	0.53	0.60	0.66	-	-
C: TOP OF CURBS TO TOP OF LOWER BASE LIFT	0.55	0.60	0.66	0.72	0.75	0.78	0.85	0.91	0.98	1.00
D: TOP OF CURBS TO BOTTOM OF ROCK	0.97	1.02	1.08	1.14	1.17	1.20	1.27	1.33	1.40	1.42

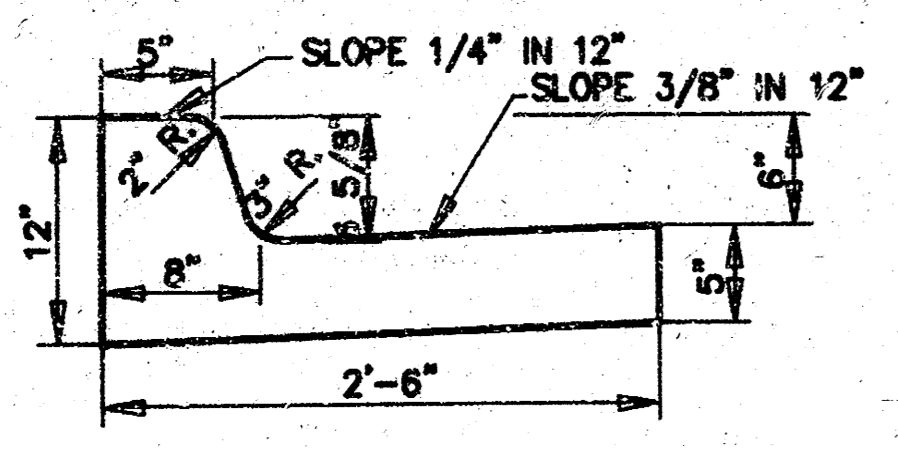
CRUSHED ROCK & RAP GRADATION REQUIREMENTS
Percent of Aggregate Retained

2-1/2"	0
3/4"	20 - 60
#40	50 - 80
#100	80 - 94
#200	90 - 98

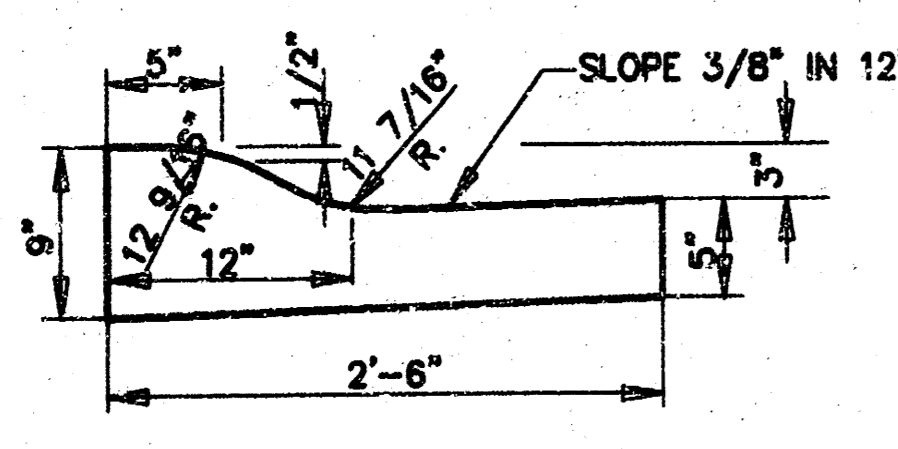
ROCK QUALITY SHALL CONFORM TO THE REQUIREMENTS SPECIFIED BY THE KDOT 1990 EDITION STANDARD SPECIFICATION SUBSECTION 1102 FOR DURABILITY CLASS 1.

FABRIC BASE REINFORCEMENT SHALL BE 8 x 1100 BY TENSAR CORP. OR APPROVED EQUAL. FABRIC BASE REINFORCEMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. CRUSHED ROCK SHALL BE UNIFORMLY GRADED FROM 1 1/2" MAXIMUM SIZE TO NOT MORE THAN 10% PASSING A NO. 200 SIEVE. ROCK QUALITY SHALL BE THE SAME AS SPECIFIED FOR COARSE AGGREGATE FOR CONCRETE MIXES.

COMBINED CURB & GUTTER



ROLL TYPE COMBINED CURB & GUTTER



GENERAL NOTES

ROCK BASE IS TO BE COMPACTED AND SMOOTHED WITH A STEEL FACED ROLLER PRIOR TO PLACEMENT OF ASPHALT. TACK COAT WILL NOT BE APPLIED TO ROCK BASE.
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.
BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.
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.

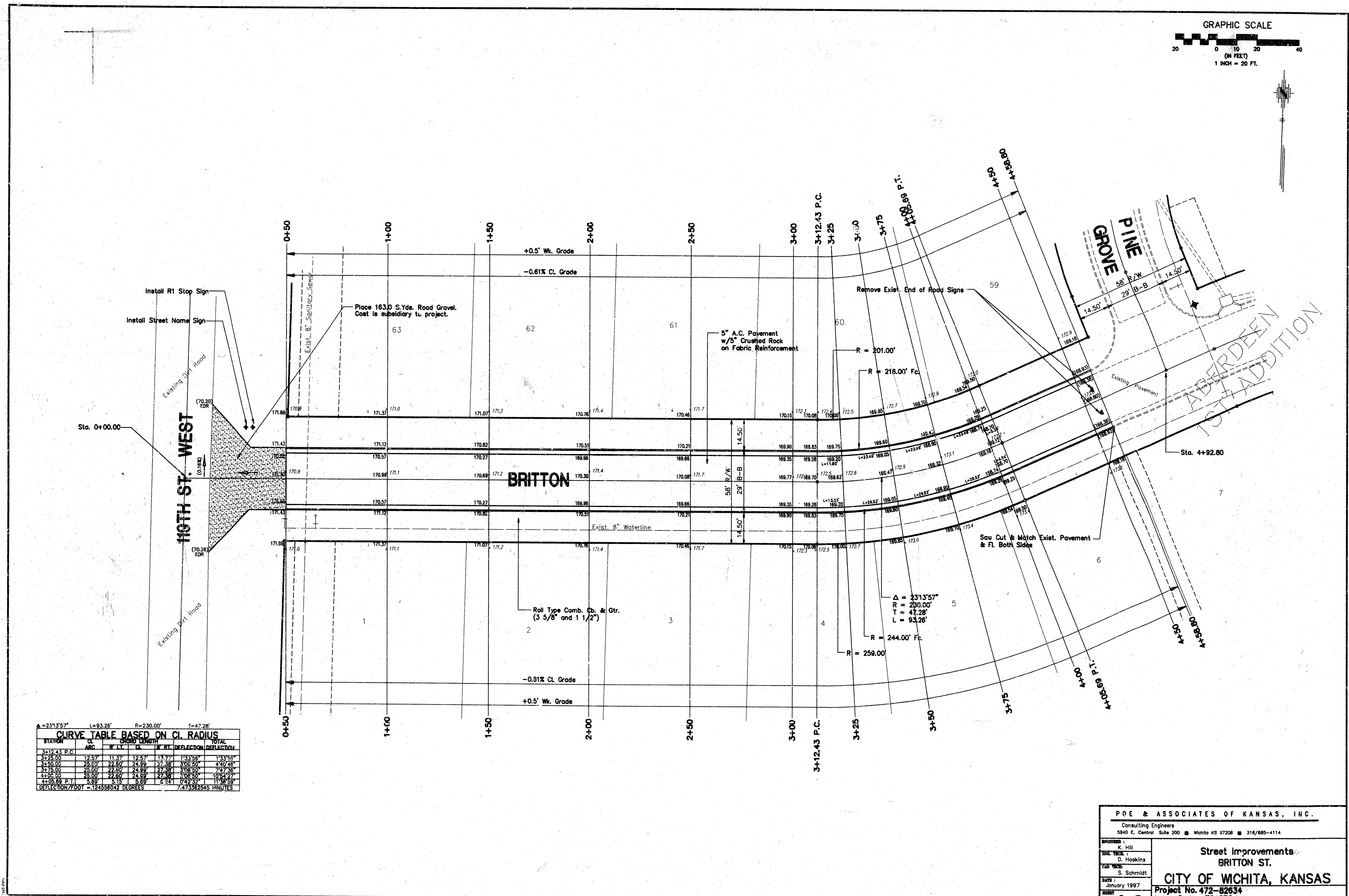
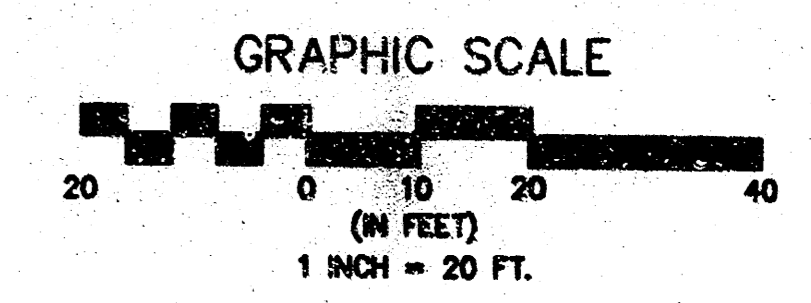
TRANSVERSE CONSTRUCTION JOINTS

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 5" ASPHALTIC CONCRETE PAVEMENT (3" BITUMINOUS BASE)

POE & ASSOCIATES OF KANSAS, INC.
Consulting Engineers
5540 E. Central Suite 200 Wichita KS 67208 316/685-4114

ENGINEER: K. Hill
DRAWN BY: D. J. Skins
CHECKED BY: S. Schmidt
DATE: January 1997

5 INCH ASPHALTIC CONCRETE PAVEMENT WITH CRUSHED ROCK BASE ON FABRIC REINFORCEMENT
CITY OF WICHITA, KANSAS
PROJECT NO. 472-82634
INDEX CODE 784078



$\Delta = 231'35.7''$ $L = 93.26'$ $R = 230.00'$ $T = 47.28'$

CURVE TABLE BASED ON C.I. RADIUS

STATION	CL	CHORD	CHORD	CHORD	TOTAL
	ANG	CHORD	CHORD	CHORD	DEFLECTION
3+12.43 P.C.	12.43	11.31	12.57	13.77	12.43
3+25.00	25.00	22.60	24.86	27.36	25.00
3+37.50	37.50	33.90	36.89	40.89	37.50
3+50.00	50.00	45.20	48.89	54.89	50.00
3+62.50 P.T.	62.50	56.50	60.89	69.39	62.50
DEFLECTION/FOOT = 12.4556942 DEGREES					7.473382845 MINUTES

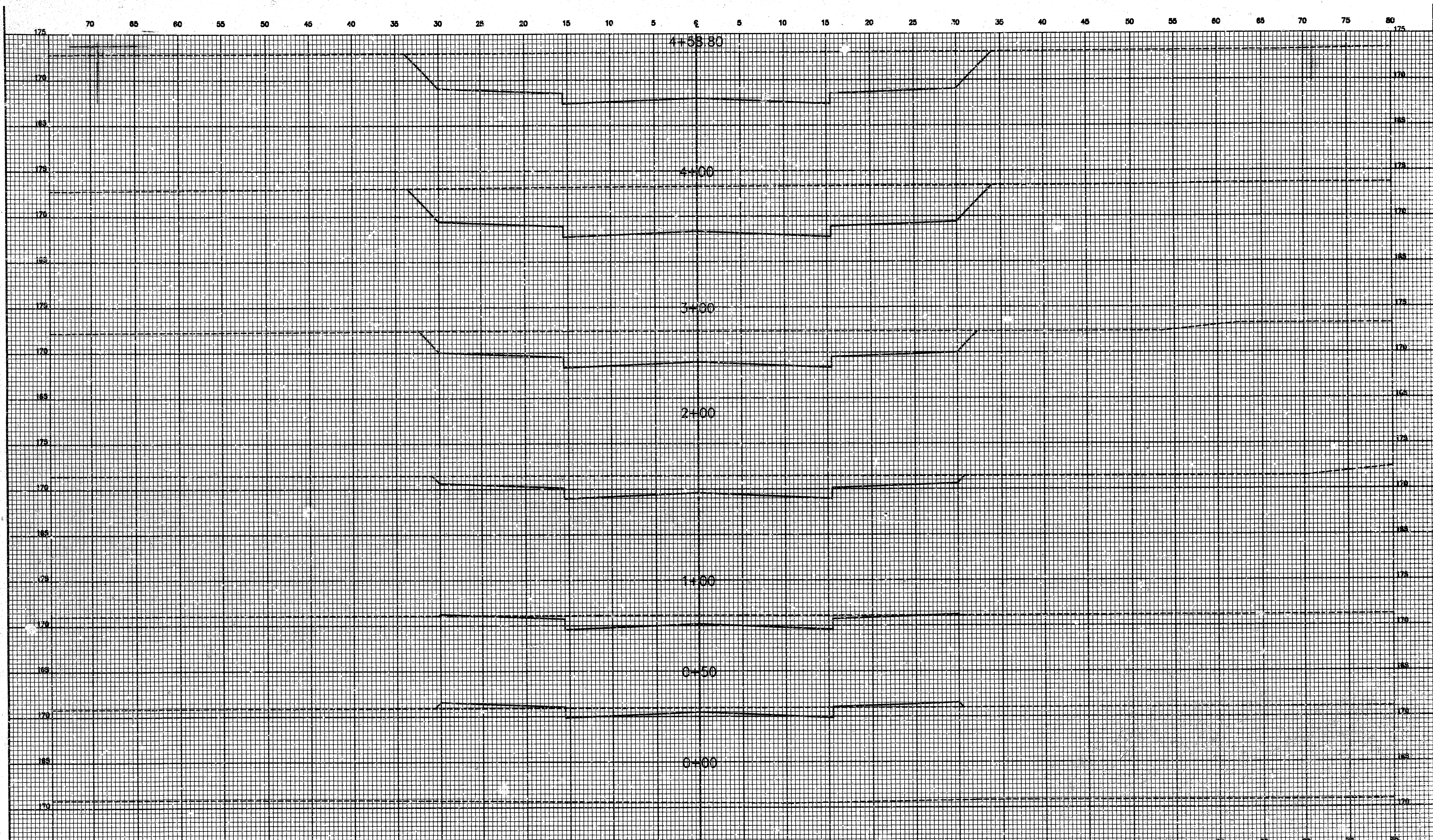
F. VAPES/DAVID/PLANNING/BRITTON Thu May 1 11:10:14 1997 Steve Schmidt-Poe & Assoc.

POE & ASSOCIATES OF KANSAS, INC.
 Consulting Engineers
 5940 E. Central Suite 200 Wichita KS 67208 316/685-4114

Street Improvements - BRITTON ST.
CITY OF WICHITA, KANSAS
 Project No. 472-82634
 Index Code 784078

DATE: January 1997
 SHEET: 3 of 7

F:\APPS\DATA\PIES\BRITTON Thu May 1 11:12:47 1997 Steve Schmidt-Poe & Assoc.



POE & ASSOCIATES OF KANSAS, INC.	
Consulting Engineers 5940 E. Central Suite 200 Wichita KS 67208 316/855-4114	
ENGINEER: K. Hill	CROSS SECTIONS ABERDEEN FIRST ADDITION - BRITTON CITY OF WICHITA, KANSAS
DESIGNER: D. Hoskins	
CAD DRAWN: S. Schmidt	PROJECT NO. 472-52834
DATE: January 1997	INDEX CODE 764076
SHEET: 4 of 7	

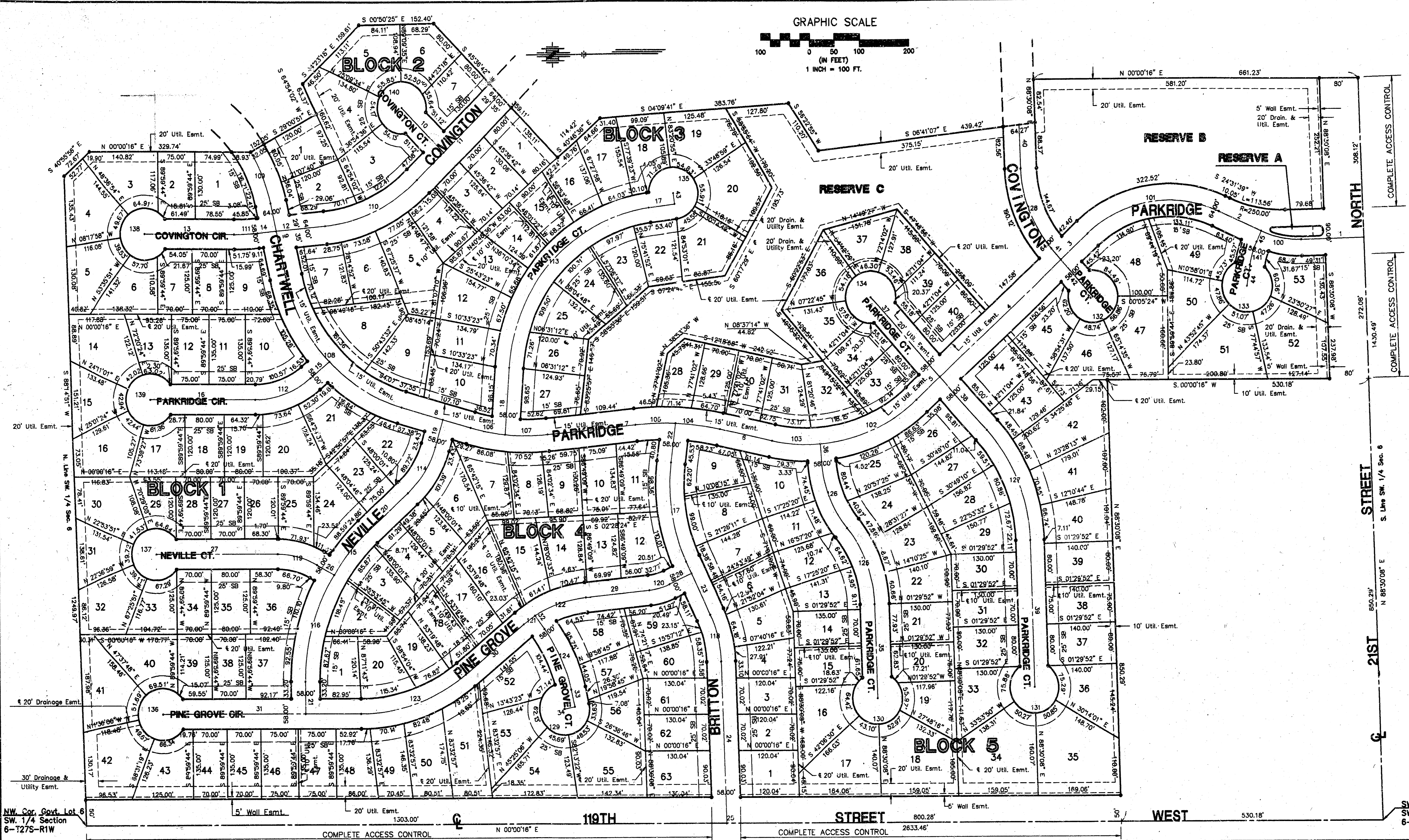
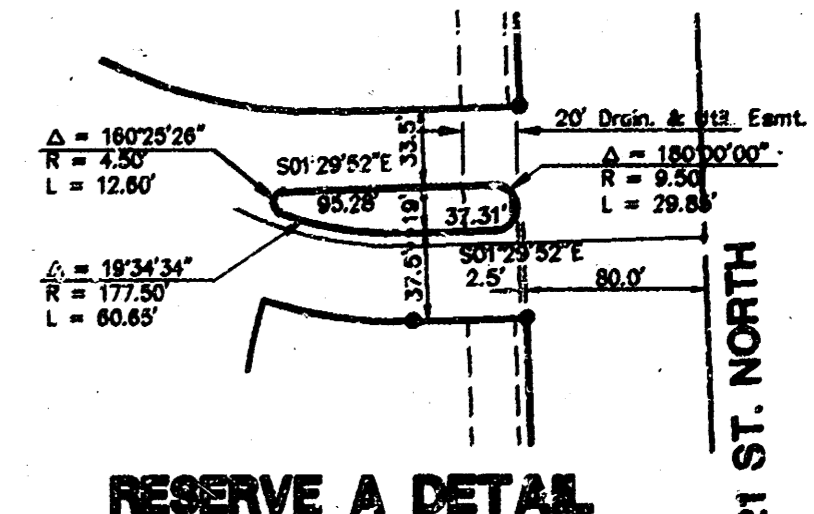
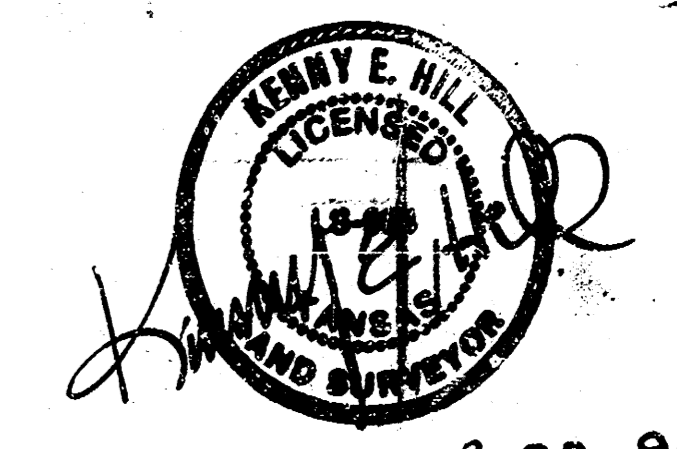
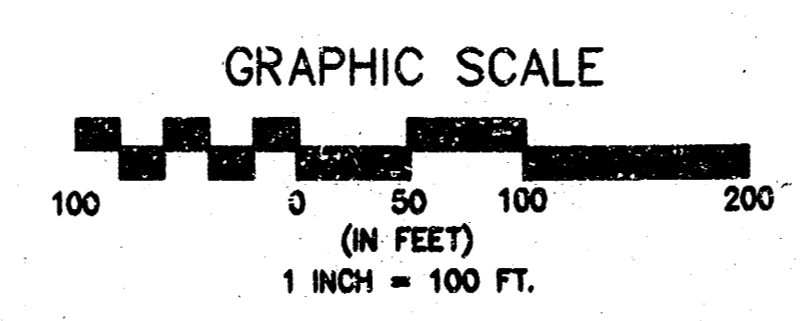
BRITTON

STATION	AREAS			VOLUMES			CUMULATIVE VOLUMES		
	Square Feet			Cubic Yards			Cubic Yards		
	CUT	LOOSE FILL	COMPACTED FILL	CUT	LOOSE FILL	COMPACTED FILL	CUT	LOOSE FILL	COMPACTED FILL
0+00.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+20.00	22.94	11.38	0.00	21.72	10.25	0.00	21.72	10.25	0.00
1+00.00	31.23	0.55	0.00	56.85	10.85	0.00	81.15	21.12	0.00
2+00.00	37.94	0.00	0.00	258.78	1.20	0.00	339.93	22.32	0.00
3+00.00	184.61	0.00	0.00	251.72	0.00	0.00	631.65	22.32	0.00
4+00.00	282.81	0.00	0.00	251.72	0.00	0.00	1788.36	22.32	0.00
4+25.40	282.81	0.00	0.00	251.72	0.00	0.00	2440.12	22.32	0.00

EARTHWORK SUMMARY

STREET	CUT CU. YDS.	LOOSE FILL CU. YDS.	COMPACTED FILL CU. YDS.
BRITTON	2440.1	22.3	0
TOTAL	2440.1	22.3	0
15% SHRINKAGE		3.4	0
PROJECT TOTAL	2440.1	25.7	0
WASTE 2414.4 C. YDS.			

POE & ASSOCIATES OF KANSAS, INC. Consulting Engineers 5840 E. Central Suite 200 ■ Wichita KS 67208 ■ 316/885-4114	
DRAWN BY: K. Hill CHECKED BY: D. Haskins DATE: January 1997	SUMMARY OF EARTHWORK ABERDEEN FIRST ADDITION - BRITTON CITY OF WICHITA, KANSAS Project No. 472-82634 Index Code 784076
SHEET 5 of 7	



LINE	DIRECTION	DISTANCE
1	N 01°29'52" W	129.31'
2	N 24°31'39" E	92.19'
3	N 42°11'04" W	74.42'
4	N 42°11'04" W	333.56'
5	N 42°11'04" W	64.56'
6	N 12°18'58" E	108.19'
7	N 05°57'26" W	179.25'
8	N 16°04'17" E	144.65'
9	N 78°14'52" W	145.41'
10	S 45°36'42" W	120.75'
11	N 44°23'16" W	235.08'
12	N 05°49'15" W	37.45'
13	N 00°00'16" E	180.73'
14	N 05°49'15" W	38.26'
15	N 40°34'25" W	48.98'
16	N 00°00'16" E	213.82'
17	S 07°33'11" E	53.40'
18	S 86°12'54" E	130.53'
19	N 73°55'45" W	55.43'
20	N 41°59'59" W	110.67'
21	N 89°59'44" W	62.20'
22	S 82°52'30" E	76.10'
23	N 65°16'11" E	87.11'
24	N 88°30'08" E	312.43'
25	N 00°00'16" E	2635.46'
26	N 30°05'39" E	38.69'
27	N 00°00'16" E	249.03'
28	N 24°43'49" W	49.49'
29	N 05°45'46" W	130.62'
30	N 38°45'21" W	153.66'
31	N 00°00'16" E	403.41'
32	S 53°41'59" W	32.06'
33	S 78°04'41" W	33.44'
34	N 11°55'19" W	21.00'
35	N 88°30'08" E	181.45'
36	N 88°19'34" E	34.77'
37	N 47°48'56" E	207.91'
38	N 47°48'56" E	138.84'
39	N 88°30'08" E	282.84'
40	N 88°30'08" E	85.46'
41	N 47°48'56" E	28.97'
42	N 47°48'56" E	95.93'
43	N 82°26'48" E	21.00'
44	N 81°10'36" W	40.73'
45	N 65°28'21" W	22.80'

NW Cor. Govt. Lot 6 SW 1/4 Section 6-1275-R1W

SW Cor. Govt. Lot 7 SW 1/4 Section 6-1275-R1W

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA	CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
100	183.00'	83.12'	42.29'	82.41'	S 11°30'54" W	26°01'31"	121	240.00'	28.83'	14.43'	28.81'	N 35°18'53" W	06°52'57"
101	245.00'	285.26'	161.28'	269.42'	N 06°49'42" W	66°42'43"	122	240.00'	109.37'	55.65'	108.43'	N 18°49'05" W	26°06'38"
102	330.00'	214.44'	111.16'	210.69'	S 23°34'06" E	37°13'56"	123	340.00'	230.01'	119.60'	225.65'	S 19°22'33" E	38°45'37"
103	330.00'	99.46'	50.11'	99.08'	S 03°40'55" W	17°16'05"	124	303.42'	129.10'	65.54'	128.13'	N 65°53'20" E	24°22'42"
104	540.00'	80.16'	45.19'	80.06'	N 07°31'58" E	09°34'00"	125	245.17'	158.29'	82.01'	155.56'	N 70°00'22" E	38°59'32"
105	540.00'	82.06'	41.11'	81.98'	N 01°36'14" W	08°42'23"	126	28.82'	39.04'	17.74'	36.91'	S 68°55'05" E	34°48'57"
106	415.00'	72.49'	36.34'	72.40'	S 11°04'03" W	10°00'29"	127	329.00'	233.63'	121.98'	228.75'	N 68°09'32" W	40°41'12"
107	330.00'	360.28'	200.18'	342.86'	S 47°09'35" W	62°10'35"	128	240.00'	170.43'	88.99'	166.87'	S 68°09'32" W	40°41'12"
108	296.32'	107.35'	54.27'	106.77'	N 67°52'08" E	20°45'28"	129	50.00'	227.12'	50.00'	252.29'	289°05'56"	289°05'56"
109	315.00'	212.04'	110.21'	208.06'	S 25°06'16" E	38°34'03"	131	50.00'	252.29'	50.00'	252.29'	289°05'56"	289°05'56"
110	480.00'	48.80'	24.42'	48.78'	S 02°54'29" E	05°49'31"	132	50.00'	252.29'	50.00'	252.29'	289°05'56"	289°05'56"
111	171.00'	121.11'	63.22'	118.59'	S 20°17'05" E	40°34'41"	133	50.00'	252.29'	50.00'	252.29'	289°05'56"	289°05'56"
112	331.00'	454.43'	271.22'	419.58'	N 46°53'02" W	78°39'43"	134	50.00'	252.29'	50.00'	252.29'	289°05'56"	289°05'56"
113	190.00'	105.88'	54.35'	104.52'	S 57°57'51" E	31°55'43"	135	50.00'	252.29'	50.00'	252.29'	289°05'56"	289°05'56"
114	388.00'	108.59'	54.85'	108.24'	N 50°01'04" W	16°02'10"	136	50.00'	252.29'	50.00'	252.29'	289°05'56"	289°05'56"
115	388.00'	216.43'	111.11'	213.63'	N 74°00'57" W	31°57'35"	137	50.00'	252.29'	50.00'	252.29'	289°05'56"	289°05'56"
116	352.00'	195.71'	100.45'	193.19'	S 81°11'50" W	31°51'19"	138	90.00'	252.29'	50.00'	252.29'	289°05'56"	289°05'56"
117	230.00'	93.26'	47.28'	92.62'	N 76°53'09" E	23°13'57"	139	50.00'	252.29'	50.00'	252.29'	289°05'56"	289°05'56"
118	156.00'	81.93'	41.93'	80.99'	N 15°02'58" E	30°05'23"	140	50.00'	252.29'	50.00'	252.29'	289°05'56"	289°05'56"
119	128.00'	42.37'	21.38'	42.18'	S 15°14'47" E	18°58'04"	141	170.84'	46.82'	23.56'	46.68'	N 73°19'28" W	15°42'15"

BENCH MARKS

City of Wichita Bench Mark Disc, 57' south of centerline 21st St. & 79' south of section line, and 46' east of centerline 119th St. Elevation 172.00'
 80d nail in power pole, 30' east and 50' south of Northwest Corner of Government Lot 6 in SW Quarter of Section 6-1275-R1W. Elevation 172.00'
 80d nail in power pole 50' south of NE Corner of Government Lot 3 in NW Quarter of Section 6-1275-R1W. Elevation 179.98'

All Easements are either 10 feet wide or 20 feet wide Utility Easements unless otherwise noted.
 The Minimum Low Opening Elevation of the homes built in this addition shall be 167.5 (City of Wichita Datum).(1354.9 MSL)
 Front yard Building Setback Lines are 25 feet and Sideyard Building Setback Lines are 15 feet unless otherwise shown.

ABERDEEN FIRST ADDITION

TO WICHITA, SEDGWICK COUNTY, KANSAS

