PLANS FOR

PAVEMENT AND SIDEWALK

IN

GLENN VILLAGE

IN CONNECTION WITH

PROJ. NO. KANSAS R-10 GLENN VILLAGE

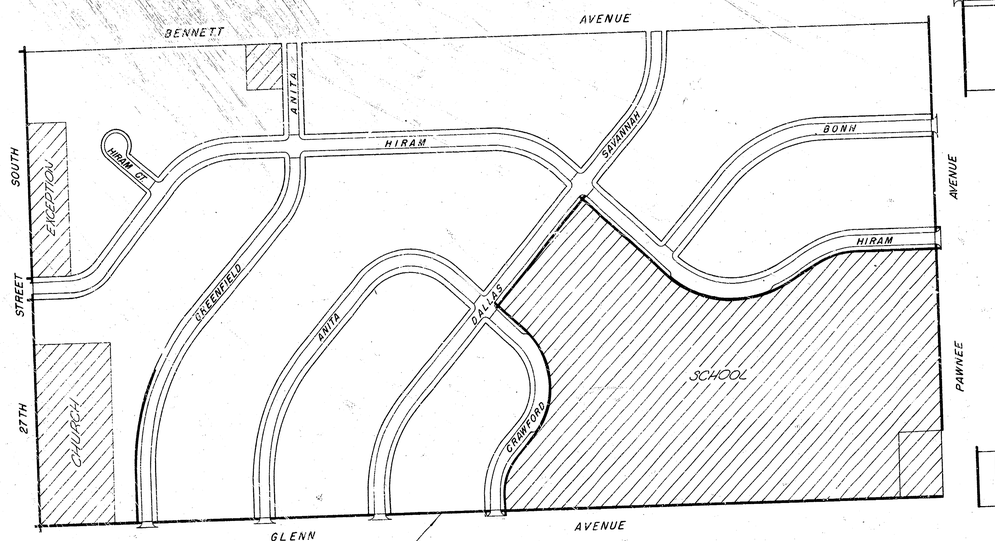
URBAN RENEWAL AGENCY

OF THE

WICHITA KANSAS METROPOLITIAN AREA

N

SCALE:
this sheet: 1" = 100'
all others: 1" = 20'



Wide lines indicate concrete sidewalk to be constructed.

See sheet #21 for typical sections.

General Notes

The entire site shall be cleared excepting those areas as shaded on the location map. Bid price for clearing of site shall include removal of all trees (excepting those marked to remain), stumps, hedges, culverts, concrete slabs and foundations, rubbish, trash and etc. After clearing, the entire site shall be rough graded in preparation for residential development.

Const 4" concrete sidewalk where shown on location map. The walk grade shall be 6¢ on Glenn, Dallas & Hiram; 8.3 on Crawford and Greenfield; and on Pawnee Avenue; and shall match existing drives on 27th St. So.

Only five driveways are authorized on this project. Four drives will be const on Hiram leading to Meadman Elementary School. One 16' drive will be const on Greenfield to service the church parking lot.

The lump sum bid of "clearing site" includes the removal of surface trash & rubbish. Below surface deposits of trash & rubbish are to be removed by others.

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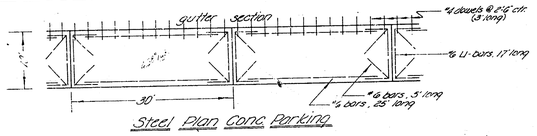
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B.E. SMITH
CITY ENGINEER

Survey by J. Glantz
Book # 72, 74, 75, 76, 77
Drawn by J. Jones

1/90

Baseline & Stationing on N.W. & W. Property Line.
B.M. 1011.3 R.R. Spike W.S. Power Pole, S.E. Cor. Hiram & Bonn.
B.M. 999.30 X-Cut top W. ab. Pawnee & ø of C.L. Hiram North.
B.M. 1013.42 City Disc 32' S. & 22' E. of ℄ Glenn & Pawnee.



Steel Plan Conc. Parking

JAMES R. TANDY
No. 2014
REGISTERED PROFESSIONAL ENGINEER
STATE OF KANSAS

Note:
Existing catch basins & manholes to be removed and new drainage system to be installed under separate contract.

Note:
Exact location of drives to Woodman Elementary School will be determined by others.

CONST. 4" WALK ALONG E. ℄ - INCREASE TO 6" BEHIND CONC. PARKING AREA

Detail Transition To Parking Area

Cross-Section Parking

CURVE DATA
Radius of W.℄ = 235.03 Δ = 72° 20' 38"
Length of Curve = 297.30 Min = 7° 31' 33"

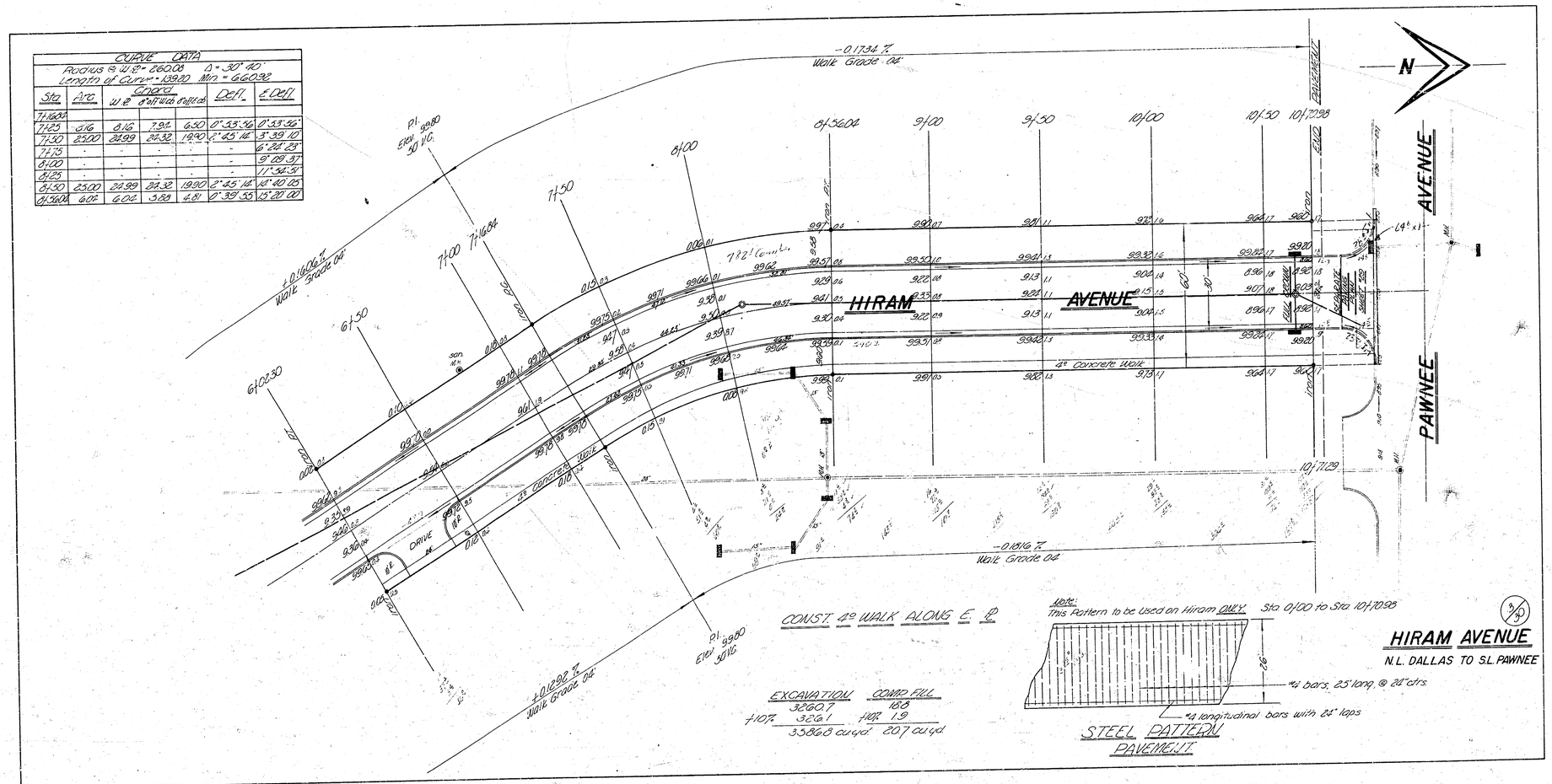
Sta.	Arc.	Chord W.℄	Chord 8" off W.℄	Chord 8" off ℄	Def.	℄ Def.
3+03						
3+25	20.00	19.99	20.59	24.30	2° 26' 16"	2° 26' 16"
3+50	25.00	24.99	25.73	30.02	3° 02' 30"	5° 28' 46"
3+75	"	"	"	"	"	8° 31' 36"
4+00	"	"	"	"	"	11° 34' 46"
4+25	"	"	"	"	"	14° 37' 36"
4+50	"	"	"	"	"	17° 40' 26"
4+75	"	"	"	"	"	20° 43' 16"
5+00	"	"	"	"	"	23° 46' 06"
5+25	"	"	"	"	"	26° 48' 56"
5+50	25.00	24.99	25.73	30.02	3° 02' 30"	29° 51' 46"
6+10.23	32.30	32.19	33.24	63.96	6° 22' 29"	36° 14' 15"

URBAN RENEWAL PROJECT
GLENN VILLAGE

HIRAM AVENUE PLAN

N.L. DALLAS TO S.L. PAWNEE
CITY OF WICHITA, KANSAS

CURVE DATA						
Radius @ 4 1/2" = 2600.08 Δ = 30° 40'						
Length of Curve = 139.20 Min = 660.92						
Sta	Arc	Chord			Defl.	Σ Defl.
		W @ 8 of Walk	8 of Walk	8 of E.P.		
7+60.00						
7+25	6.16	8.16	7.94	6.50	0° 33' 36"	0° 33' 36"
7+50	25.00	24.99	24.32	19.90	2° 45' 14"	3° 39' 10"
7+75	-	-	-	-	-	6° 24' 23"
8+00	-	-	-	-	-	9° 09' 37"
8+25	-	-	-	-	-	11° 54' 51"
8+50	25.00	24.99	24.32	19.90	2° 45' 14"	14° 40' 05"
8+60.28	6.06	6.04	5.89	4.81	0° 39' 55"	15° 20' 00"



B.M. 97.346 City standard on N.E. Cor. Glenn & 27th St. So.
B.M. 99.54 "X" in Mueller Top F.H. on N.E. Cor. Hiram & 27th St. So.
Baseline & Stationing on West Property Line.
B.M. 101.13 R.R. Spike in Power Pole. S.E. Cor. Hiram & Benn.

Remove & Replace 3" of Existing Conc. Co & Gtr.

SOUTH 27TH ST.

HIRAM AVENUE

HIRAM CT.

frame house

+0.120.5%
Walk Grade 06'

+0.161.7%
Walk Grade 04'

+0.153.0%
Walk Grade 02

Excavation
3857.0
110% 385.7
4243.7 cu yd

CURVE DATA
Rad @ W. R. = 1038.90 Δ = 48°17'
Length of Curve = 91.77 Min = 15.7890

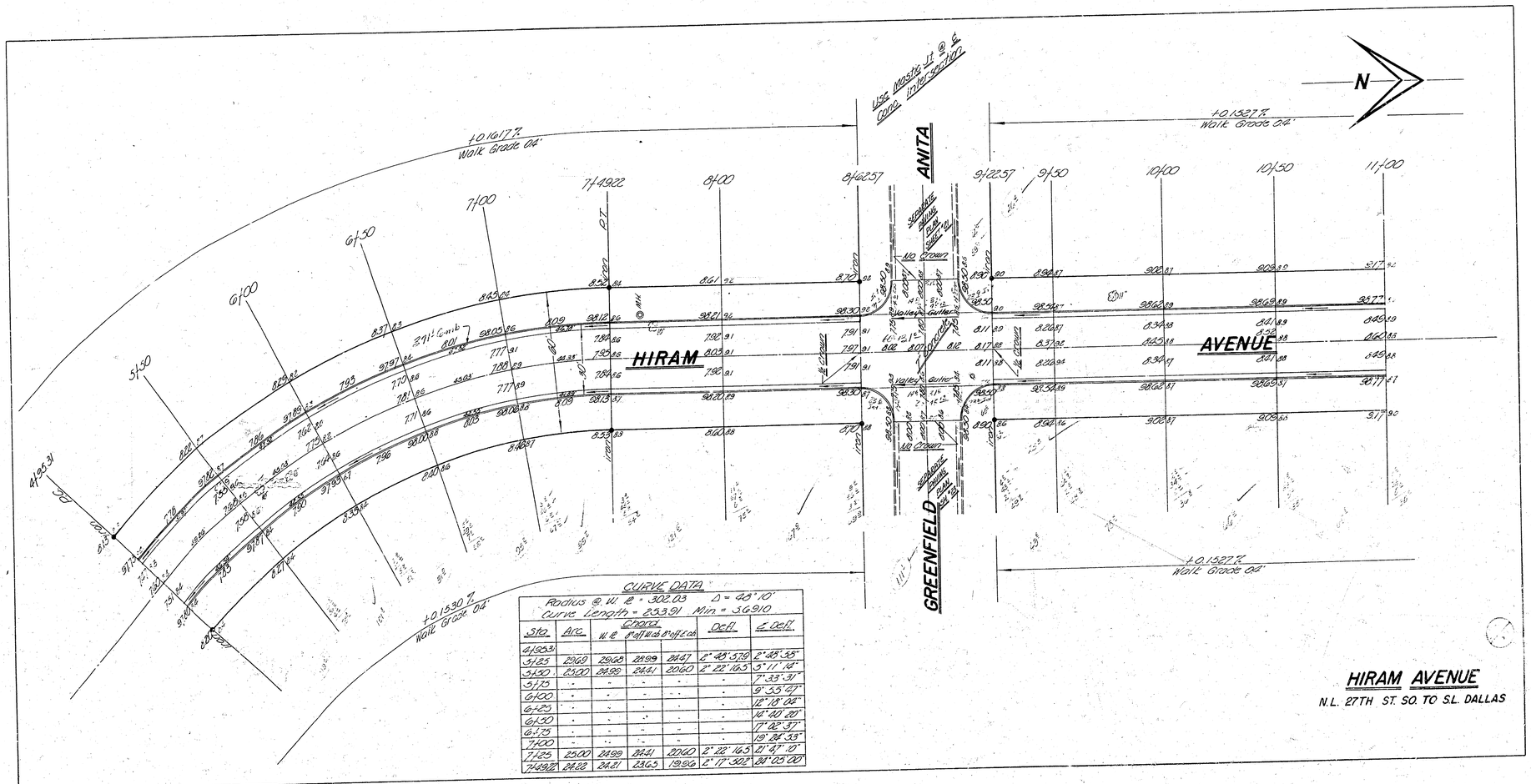
Sta	Chord W. R.	Chord S 41° W dis	Chord dis	Defl	Σ Defl
11+00					
11+25	24.95	24.55	37.09	6° 34' 36"	6° 34' 36"
11+50	-	-	-	-	13° 09' 12"
11+75	24.95	24.55	37.09	6° 34' 36"	19° 43' 48"
11+91.77	16.79	17.03	24.91	4° 24' 42"	24° 08' 30"

URBAN RENEWAL PROJECT
GLENN VILLAGE

HIRAM AVENUE PLAN

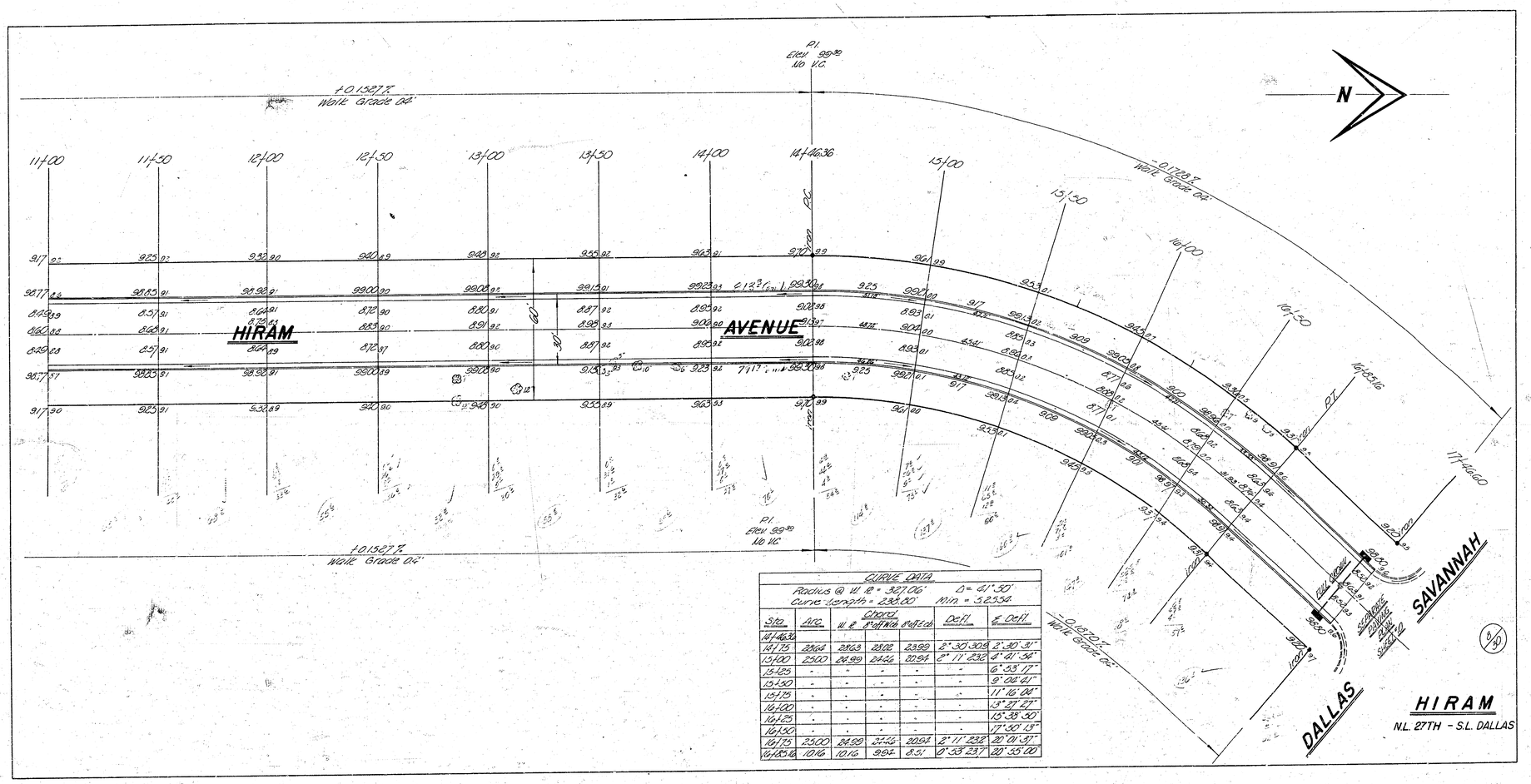
N.L. 27TH ST. TO S.L. DALLAS
CITY OF WICHITA, KANSAS

JAMES R. HENRY
2212
REGISTERED ENGINEER



HIRAM AVENUE

N.L. 27TH ST. SO. TO S.L. DALLAS



CURVE DATA

Radius @ W. C. = 327.06' Δ = 41°50'
Curve length = 239.00' Min = 3.25%

Sta	Arc.	Chord W. C. to P.T.	Chord W. C. to Sta.	Defl.	Σ Defl.
14+46.36					
14+75	28.64	28.63	28.10	2.999	2°30'30"
15+00	25.00	24.99	24.46	2.094	5°41'34"
15+25	-	-	-	-	8°53'17"
15+50	-	-	-	-	9°04'41"
15+75	-	-	-	-	11°16'04"
16+00	-	-	-	-	13°27'27"
16+25	-	-	-	-	15°38'50"
16+50	-	-	-	-	17°50'13"
16+75	25.00	24.99	24.46	2.094	20°01'37"
16+83.16	10.16	10.16	9.62	2.51	20°33'00"

CURVE DATA						
Radius @ N. & = 3010.13'				Δ = 41° 30'		
Length of Curve = 326.63'				1/Min = 5.54255		
STA	ARC	℄	C. CORD Bell Tel. & Tel. Co.		DEFL	℄ DEFL
0+50						
0+75	25.00	24.99	24.43	20.72	2° 18' 33.8"	2° 18' 33.8"
1+00	-	-	-	-	-	4° 37' 08"
1+25	-	-	-	-	-	6° 55' 41"
1+50	-	-	-	-	-	9° 14' 15"
1+75	-	-	-	-	-	11° 32' 49"
2+00	-	-	-	-	-	13° 51' 23"
2+25	-	-	-	-	-	16° 09' 57"
2+50	25.00	24.99	24.43	20.72	2° 18' 33.8"	18° 28' 30"
2+76.63	26.63	26.62	26.03	21.91	2° 26' 29.2"	20° 55' 00"

B.M. 1012.13 S.E. Cor. Curb Perch, Ho. "6503 Bennett
Baseline & Stationing on North Property Line
B.M. 1011.3 RR Spike on W.S. Power Pole, S.E. Cor. Hiram & Conn.
B.M. 983.9 6" in Glove Top S Co Cr. Hiss @ E.L. Glenn

N

-0.1664 %
Walk Grade Cd.

+0.1664 %
Walk Grade Cd.

Const. 4" Walk W.S. this Block

0+50 1+00 1+50 2+00 2+50 2+76.63 3+00 3+50 4+00 4+50 4+67.80 5+27.83 5+50 6+00

SAVANNAH AVENUE

DALLAS AVENUE

BENNETT AVENUE

HIRAM AVENUE

4" Concrete Walk

4½% Comb.

12% Comb.

-0.1816 %
Walk Grade Cd.

+0.1664 %
Walk Grade Cd.

Excavation		Comp. Fill	
3394.4		31.1	
+10%	339.4	+10%	3.1
	3730.5 cu yd		34.2 cu yd

URBAN RENEWAL PROJECT
GLENN VILLAGE

SAVANNAH-DALLAS PLAN

E.L. BENNETT TO W.L. GLENN
CITY OF WICHITA, KANSAS

10/40

Const. 4° Walk North Side this Block

+0.1644 ft.
Walk Grade 04'

-0.1651 ft.
Walk Grade 04'

6+00 6+50 7+00 7+50 8+00 8+50 9+00 9+52.73 10+00 10+50 11+00 11+50 12+00 12+50 13+00

4° Concrete Walk

3&4° Comb

DALLAS AVENUE

CRAWFORD

ANITA

SECONDARY DRIVE CURB SEE DET.

FULL 20' ROW

60° x 76'

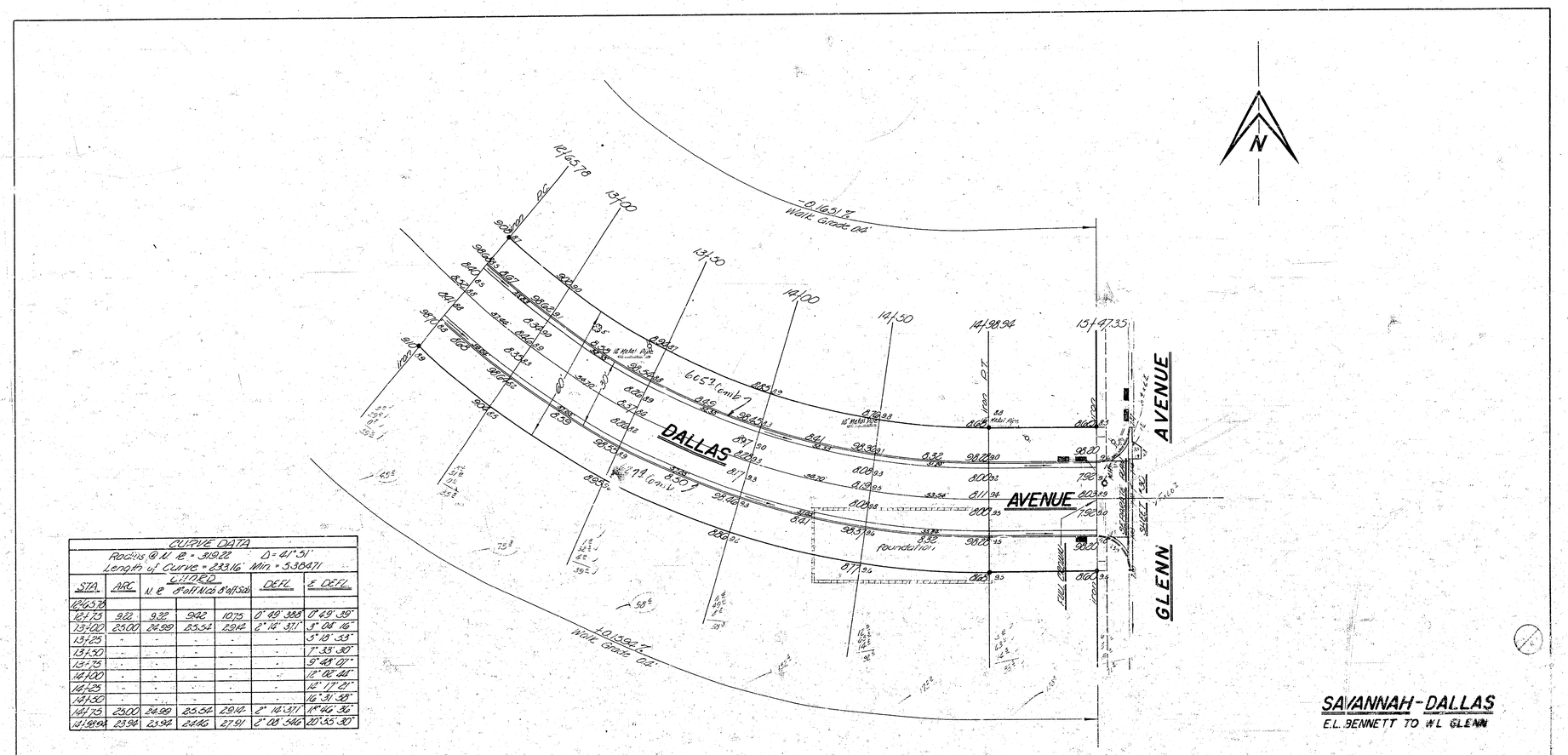
+0.1644
Walk Grade 04'

-0.1392 ft.
Walk Grade 04'

1/50

SAVANNAH-DALLAS

E.L. BENNETT TO W.L. GLENN



CURVE DATA

Radius @ N & S = 3119.22' D = 41°-51'
Length of Curve = 233.16' Min = 5.38.71

STA.	ARC	LINED N & S	LINED S off N	LINED S off S	DEFL.	E. DEFL.
12+65.78						
12+75	9.22	9.22	9.02	10.75	0° 49' 38.8"	0° 49' 39"
13+00	25.00	24.99	25.54	29.14	2° 14' 37.1"	3° 04' 16"
13+25	-	-	-	-	-	5° 18' 33"
13+50	-	-	-	-	-	7° 33' 30"
13+75	-	-	-	-	-	9° 48' 17"
14+00	-	-	-	-	-	12° 00' 44"
14+25	-	-	-	-	-	14° 17' 21"
14+50	-	-	-	-	-	16° 31' 39"
14+75	25.00	24.99	25.54	29.14	2° 14' 37.1"	18° 46' 36"
14+98.94	23.94	23.94	24.46	27.91	2° 08' 54.6"	20° 55' 30"

SAVANNAH - DALLAS

E.L. BENNETT TO #L GLENN

Transition To Parking Area

Steel Plan Conc. Parking

Excavation
6681
410%
1349 cu yd.

CURVE DATA						
Radius @ ℄ = 1950.00					Δ = 90°00'	
Length of Curve = 306.31					Min = 2°56'59"	
Sta.	Arc	Chord ℄	Chord 8°07'11" Curb	Chord 8°48'53" Curb	Defl.	℄ Defl.
13+16						
13+25	9.00	9.00	8.63	8.55	1°19'19"	1°19'20"
13+50	25.00	24.98	24.005	24.19	3°40'21"	4°59'42"
13+75	-	-	-	-	-	6°40'04"
14+00	-	-	-	-	-	12°20'26"
14+25	-	-	-	-	-	15°20'47"
14+50	-	-	-	-	-	19°41'09"
14+75	-	-	-	-	-	23°21'31"
15+00	-	-	-	-	-	27°01'53"
15+25	-	-	-	-	-	30°42'15"
15+50	-	-	-	-	-	34°22'37"
15+75	-	-	-	-	-	38°02'59"
16+00	25.00	24.98	24.005	24.19	3°40'21"	41°43'21"
16+22.3	22.31	22.30	21.50	16.84	3°16'39"	45°00'00"

CURVE DATA						
Radius @ ℄ = 1500.00					Δ = 41°51'	
Length of Curve = 1094.56					Min = 1°42'35"	
Sta.	Arc	Chord ℄	Chord 8°48'53" Curb	Chord 8°07'11" Curb	Defl.	℄ Defl.
11+03.45						
11+25	19.55	19.54	20.25	20.44	3°44'02"	3°44'02"
11+50	25.00	24.97	26.13	33.80	4°46'29"	8°30'31"
11+75	-	-	-	-	-	13°17'00"
12+00	25.00	24.97	26.13	33.80	4°46'29"	18°03'30"
12+15.01	15.01	15.00	15.70	20.30	2°52'00"	20°55'30"

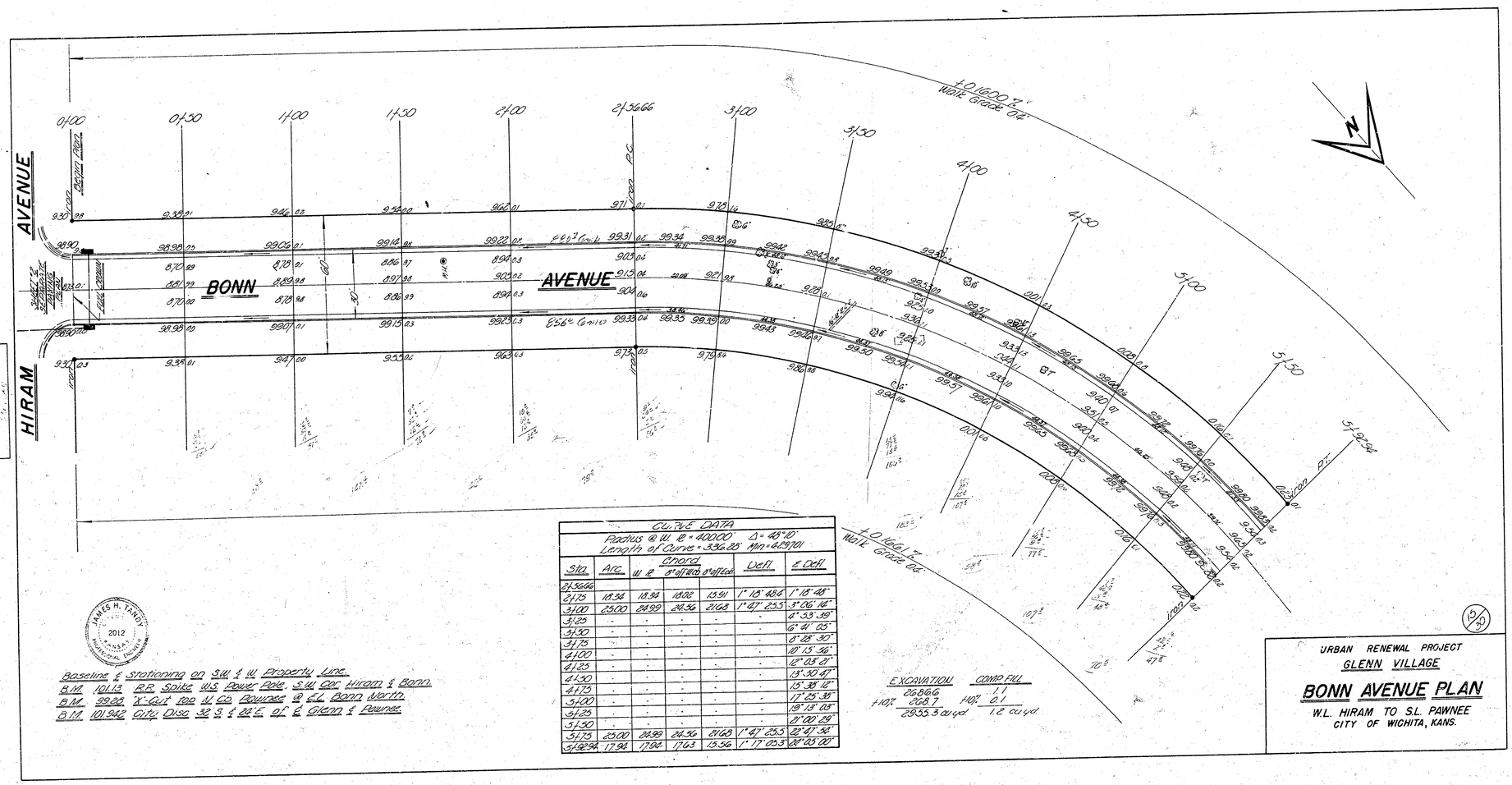
BM 2981 "G" in Globe. Top S. Ct. Crawford @ E.L. Glenn.
Baseline & Stationing on North Property Line.

Cross-Section Parking

URBAN RENEWAL PROJECT
GLENN VILLAGE

CRAWFORD PLAN

N.L. DALLAS TO W.L. GLENN
CITY OF WICHITA, KANSAS



CURVE DATA						
Points @ W. R = 40000' Δ = 45°10' Length of Curve = 336.23' Min = 429.70'						
Sta.	Arc.	W. R.	Chord d=W.R. sin d/2	Offset	Deff.	Σ Defl.
2+56.66						1° 18' 48"
2+75	18.34	18.34	18.32	13.91	1° 18' 48"	3° 06' 36"
3+00	25.00	24.99	24.96	21.68	1° 47' 25.5	4° 53' 39"
3+25	-	-	-	-	-	6° 41' 05"
3+50	-	-	-	-	-	8° 28' 30"
3+75	-	-	-	-	-	10° 15' 56"
4+00	-	-	-	-	-	12° 03' 21"
4+25	-	-	-	-	-	13° 50' 47"
4+50	-	-	-	-	-	15° 38' 12"
4+75	-	-	-	-	-	17° 25' 38"
5+00	-	-	-	-	-	19° 13' 03"
5+25	-	-	-	-	-	21° 00' 29"
5+50	-	-	-	-	-	22° 47' 54"
5+75	25.00	24.99	24.96	21.68	1° 47' 25.5	24° 35' 20"
5+82.94	17.94	17.94	17.93	15.56	1° 17' 05.3	25° 52' 25"

EXCAVATION	COMP. FILL
2686.6	1.1
+10% 268.7	10% 0.1
2955.3 cu yd	1.2 cu yd

JAMES H. TANDY 2012 KANSAS Professional Engineer

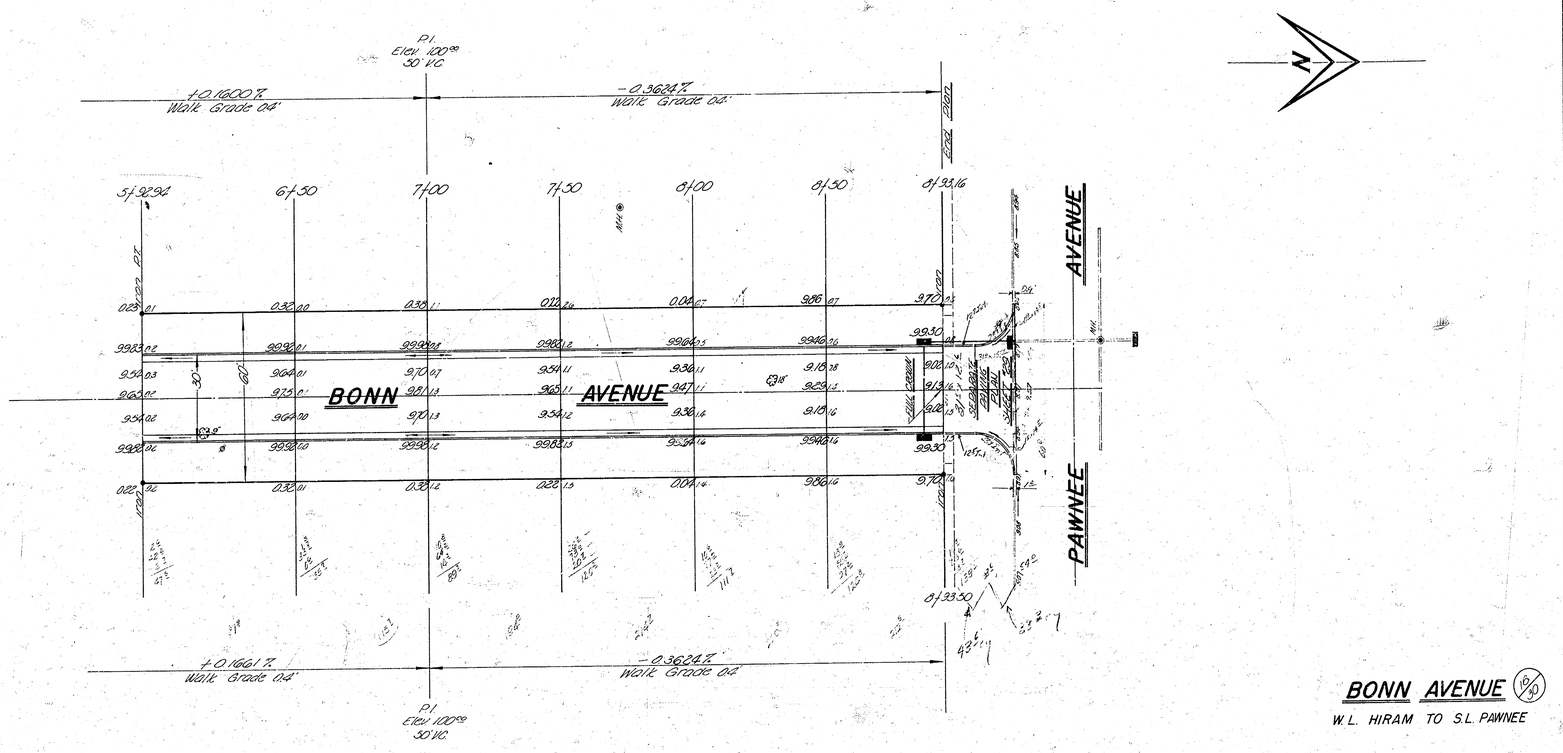
Baseline ℄ Stationing on S.W. ℄ W. Property Line.
B.M. 1011.13 R.R. Spike W.S. Power Pole S.W. Cor. Hiram & Bonn.
B.M. 992.80 X-Cut top W. Co. Pavement @ E.L. Bonn North.
B.M. 1011.942 City Disc 32' S. & 22' E. of ℄ Glenn & Pawnee.

URBAN RENEWAL PROJECT
GLENN VILLAGE

BONN AVENUE PLAN

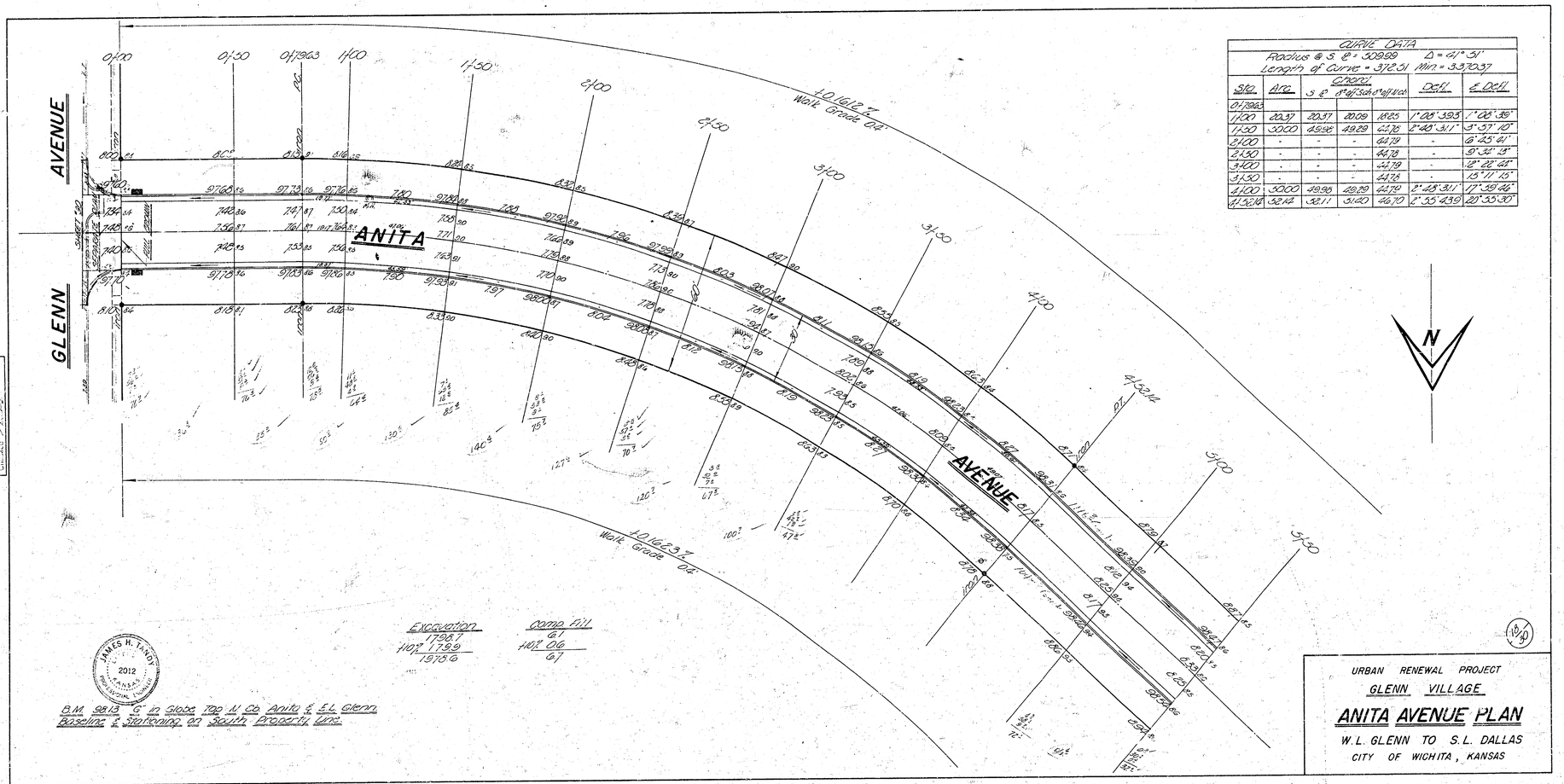
W.L. HIRAM TO S.L. PAWNEE
CITY OF WICHITA, KANS.

12/20



BONN AVENUE (19/21)

W. L. HIRAM TO S. L. PAWNEE

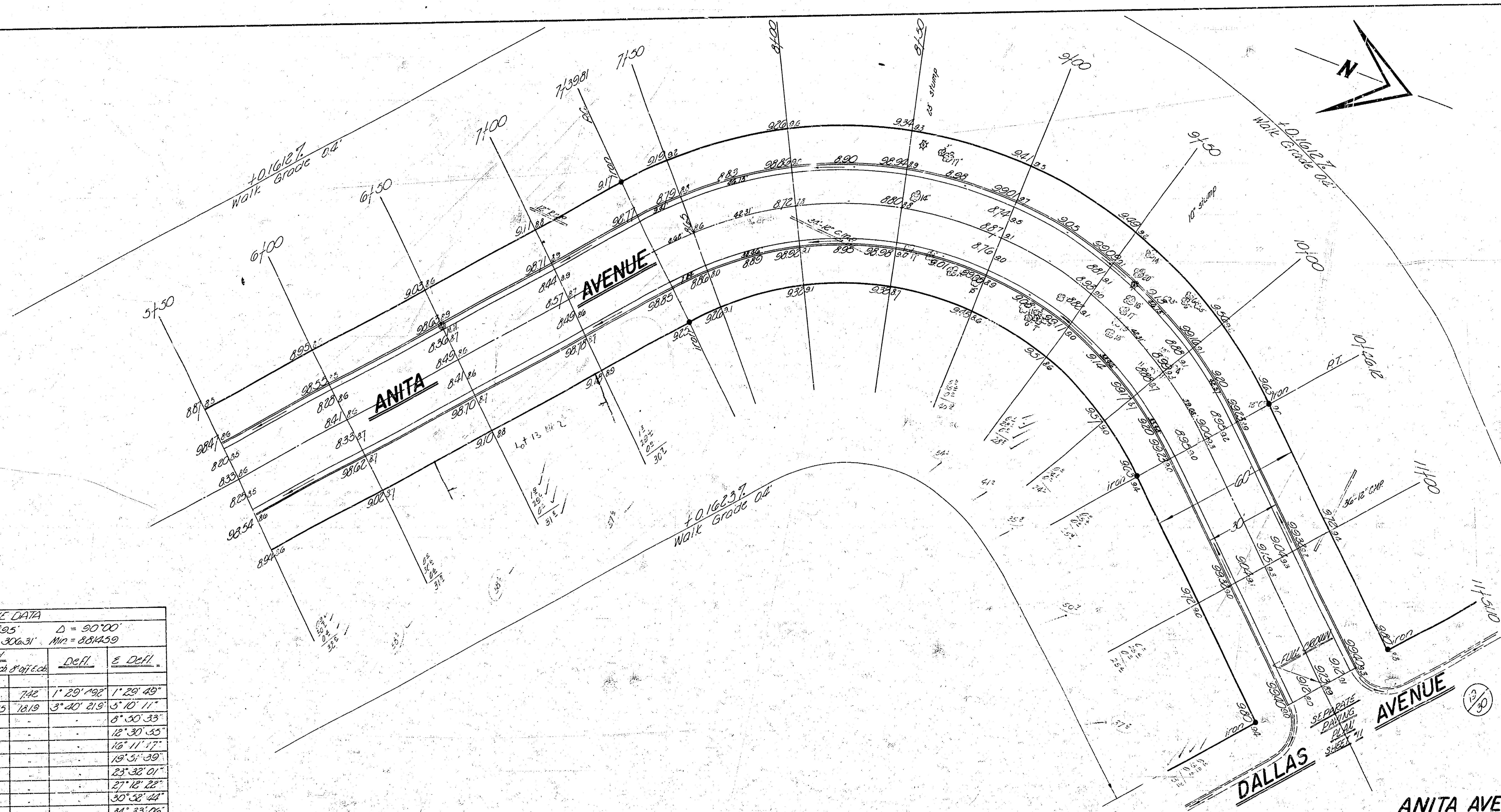


CURVE DATA

Radius @ 3 pt = 3099.99 Δ = 41° 31'
Length of Curve = 372.31 Min = 337.37

Sta.	Arc	Chord: 3 pt	Chord: Bearing	Deflection	Δ Deflection
0+19.63					
1+00	20.37	20.37	20.09	N 85° 39' 35" E	1° 08' 39"
1+50	50.00	49.96	49.89	N 82° 48' 31" E	3° 37' 10"
2+00	-	-	-	N 79° 59' 21" E	6° 25' 41"
2+50	-	-	-	N 76° 35' 13" E	9° 35' 19"
3+00	-	-	-	N 72° 22' 24" E	13° 47' 49"
3+50	-	-	-	N 67° 11' 13" E	18° 59' 00"
4+00	50.00	49.99	49.89	N 62° 48' 31" E	17° 39' 46"
4+32.14	32.12	32.11	31.80	N 60° 35' 43" E	20° 35' 30"

URBAN RENEWAL PROJECT
GLENN VILLAGE
ANITA AVENUE PLAN
W. L. GLENN TO S. L. DALLAS
CITY OF WICHITA, KANSAS

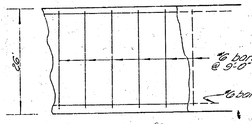


CURVE DATA						
Radius @ W. ℄ = 195' Length of Curve = 306.31'				Δ = 90°00' Min = 8.81459		
Sta.	Arc	Chord W. ℄	Chord 8' off W.cb.	Chord 8' off E.cb.	Defl.	Σ Defl.
7+39.81						
7+50	10.19	10.19	9.82	7.42	1° 29' 49.2"	1° 29' 49"
7+75	25.00	24.98	24.085	18.19	3° 40' 21.9"	5° 10' 11"
8+00	"	"	"	"	"	8° 50' 33"
8+25	"	"	"	"	"	12° 30' 55"
8+50	"	"	"	"	"	16° 11' 17"
8+75	"	"	"	"	"	19° 51' 39"
9+00	"	"	"	"	"	23° 32' 01"
9+25	"	"	"	"	"	27° 12' 22"
9+50	"	"	"	"	"	30° 52' 44"
9+75	"	"	"	"	"	34° 33' 06"
10+00	"	"	"	"	"	38° 13' 28"
10+25	25.00	24.98	24.085	18.19	3° 40' 21.9"	41° 53' 50"
10+46.12	21.12	21.11	20.35	15.37	3° 06' 09.8"	45° 00' 00"

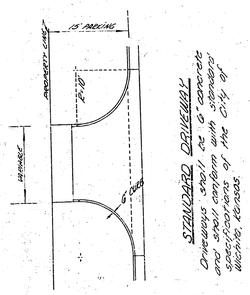
ANITA AVE.

W.L. GLENN TO S.L. DALLAS

P.M. 10182 NE COR Conc Porch @ Back of HB # 2702 Bennett
Baseline & Stationing on North property line.

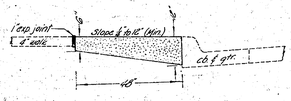


ASPHALT STEEL PATTERN
to be used unless otherwise noted

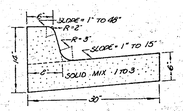


STANDARD DRIVEWAY

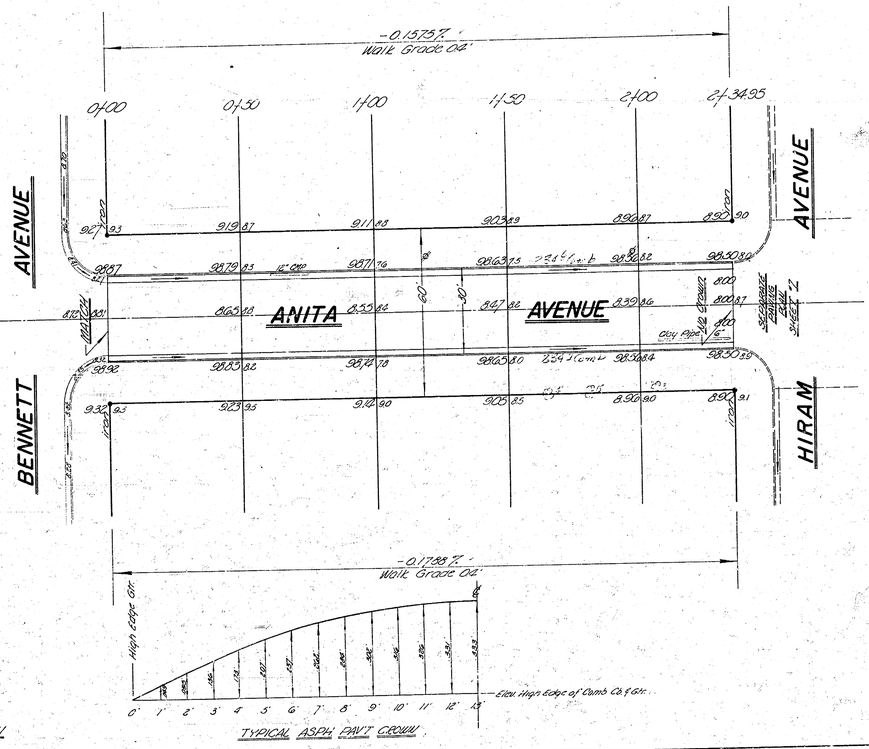
Driveways shall be 6" concrete with 6"x6" #6 welded wire fabric reinforcement. Expansion joint material shall be placed at property lines. Driveways to have 1/2" radius curb returns.



9" WALK AT INTERSECTION



COMB. CB & GTR. SECTION



TYPICAL ASPH. PAVT. CROWN

N

Excavation
-163.2 cu yd
+10% 16.3
179.5 cu yd

URBAN RENEWAL PROJECT
GLENN VILLAGE
ANITA AVENUE PLAN
E.L. BENNETT TO W.L. HIRAM
CITY OF WICHITA, KANSAS

JAMES H. TANDY
NUMBER
2012
REGISTERED
PROFESSIONAL ENGINEER

B.M. 99.54 R.R. Spike in Power Pole @ Sta. 3+90 & 15' Left of N. ℄

Excavation
2079.6
110.7 200.0
228778 cu yd.

P.I. Elev. 99.80 No V.C.

-0.1993%
Walk Grade 0.3'

+0.2019%
NG-1L Grade 0.3'

-0.2049%
Walk Grade 0.3'

+0.2270%
Walk Grade 0.3'

P.I. Elev. 99.80 No V.C.

GREENFIELD AVENUE

HIRAM AVE.

W. L. GLENN AVE.

3+50 4+00 4+50 5+03.95 5+50 6+00 6+50 7+00 7+50 8+00 8+50 8+77 9+00 9+50

P.C. P.T.

CURVE DATA
Radius @ N ℄ = 271.67' Δ = 41°30'
Length of Curve = 134.55 Min. = 8°10'34"

Sta	Arc	Chord N ℄	Chord δ off tan	Chord δ off sch	Defl	Σ Defl
3+49.40						
3+75	25.60	25.58	24.74	19.18	3°27'.520	3°27'.33"
4+00	25.00	24.99	24.16	18.73	3°23'.005	6°50'.33"
4+25	-	-	-	-	-	10°13'.34"
4+50	-	-	-	-	-	13°36'.34"
4+75	25.00	24.99	24.16	18.73	3°23'.005	16°59'.35"
5+03.95	28.95	28.93'	27.97'	21.68	3°35'.010	20°35'.00"

CURVE DATA
Radius @ N ℄ = 551.52 Δ = 41°31'
Curve Length = 399.54 Min. = 3°7'.46"

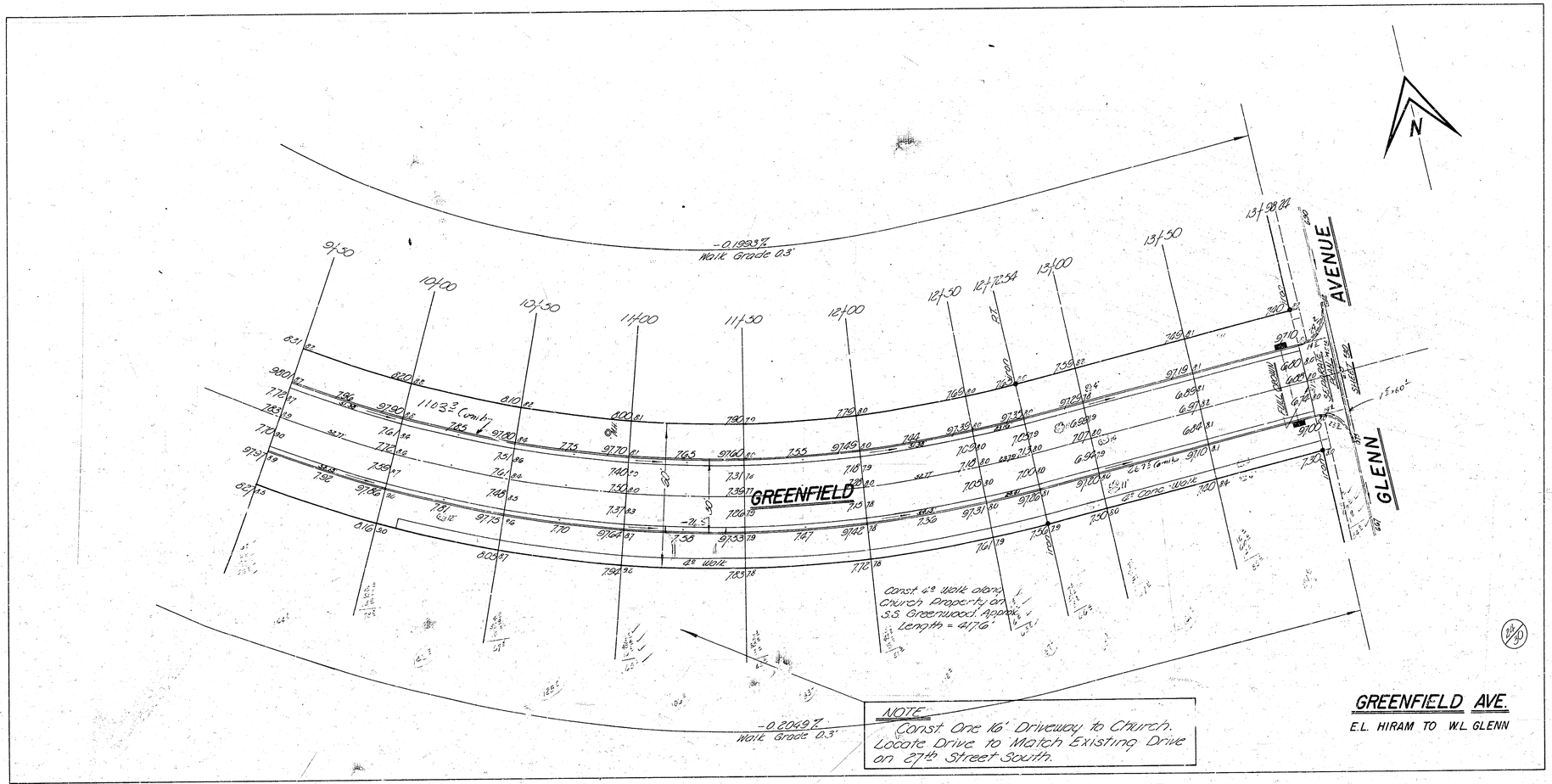
Sta	Arc	Chord N ℄	Chord δ off tan	Chord δ off sch	Defl	Σ Defl
8+77						
9+00	23.00	22.99	23.29	35.84	1°13'.003	1°13'.00"
9+50	50.00	49.98	50.62	54.87	2°35'.492	3°31'. "
10+00	-	-	-	-	-	6°30'..
10+50	-	-	-	-	-	9°09'.08"
11+00	-	-	-	-	-	11°47'.30"
11+50	-	-	-	-	-	14°26'.32"
12+00	-	-	-	-	-	17°05'.15"
12+50	50.00	49.98	50.62	54.87	2°35'.492	19°43'.57"
13+22.54	22.54	22.53	22.83	23.74	1°11'.327	20°55'.30"

JAMES H. TANDY
No. 20.2
REGISTERED PROFESSIONAL ENGINEER
STATE OF KANSAS

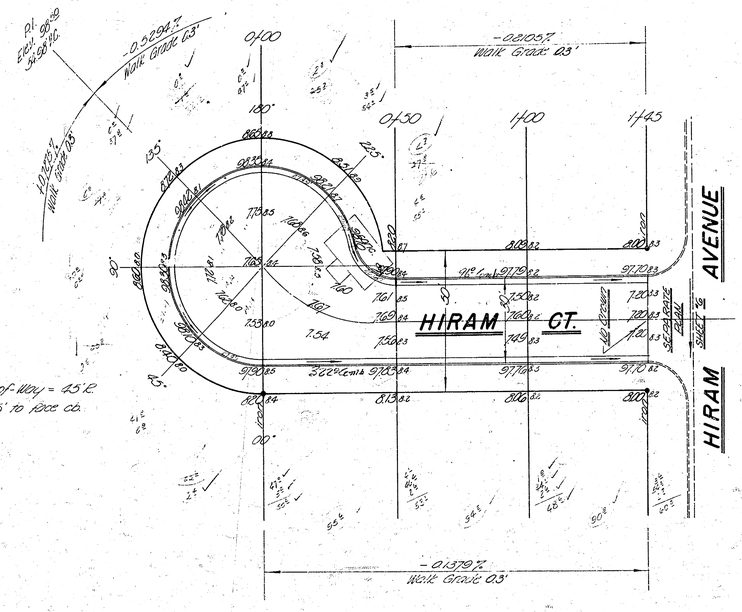
URBAN RENEWAL PROJECT
GLENN VILLAGE

GREENFIELD PLAN

E.L. HIRAM TO W.L. GLENN
CITY OF WICHITA, KANSAS


N
AVENUE
GLENN
GREENFIELD
-0.1983%
Walk Grade 0.3'
-0.2049%
Walk Grade 0.3'
9'-30
10'-00
10'-50
11'-00
11'-50
12'-00
12'-50
12'-72.54
13'-00
13'-50
13'-98.82
1103.3 Comb.
Const. 4" Walk along Church Property on S.S. Greenwood Approx. Length = 417.6'
NOTE
Const. One 16' Driveway to Church. Locate Drive to Match Existing Drive on 27th Street South.
GREENFIELD AVE.
E.L. HIRAM TO W.L GLENN

B.M. 99.55 S.E. Cor. Conc. Step Ho "2757 Bennett
B.M. 99.54 "M" in Mueller. Top Fire Hyd. N.E. Cor. Hiram & 27th



Excavation
407 422.7
411.6

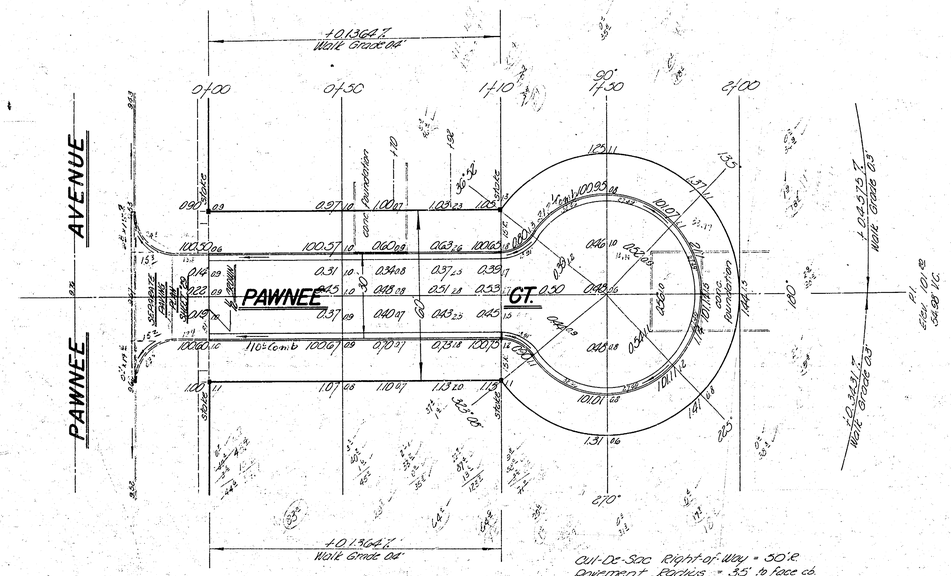
JAMES H. TANDY
2012
KANSAS

URBAN RENEWAL PROJECT
GLENN VILLAGE

HIRAM COURT PLAN

W.L. HIRAM TO CUL-DE-SAC
CITY OF WICHITA, KANSAS

B.M. 102.433 S.E. corner conc. porch, 46' E of S.W. Pawnee
B.M. 99.03 X-cut top of Co. Pawnee @ C.L. bond North

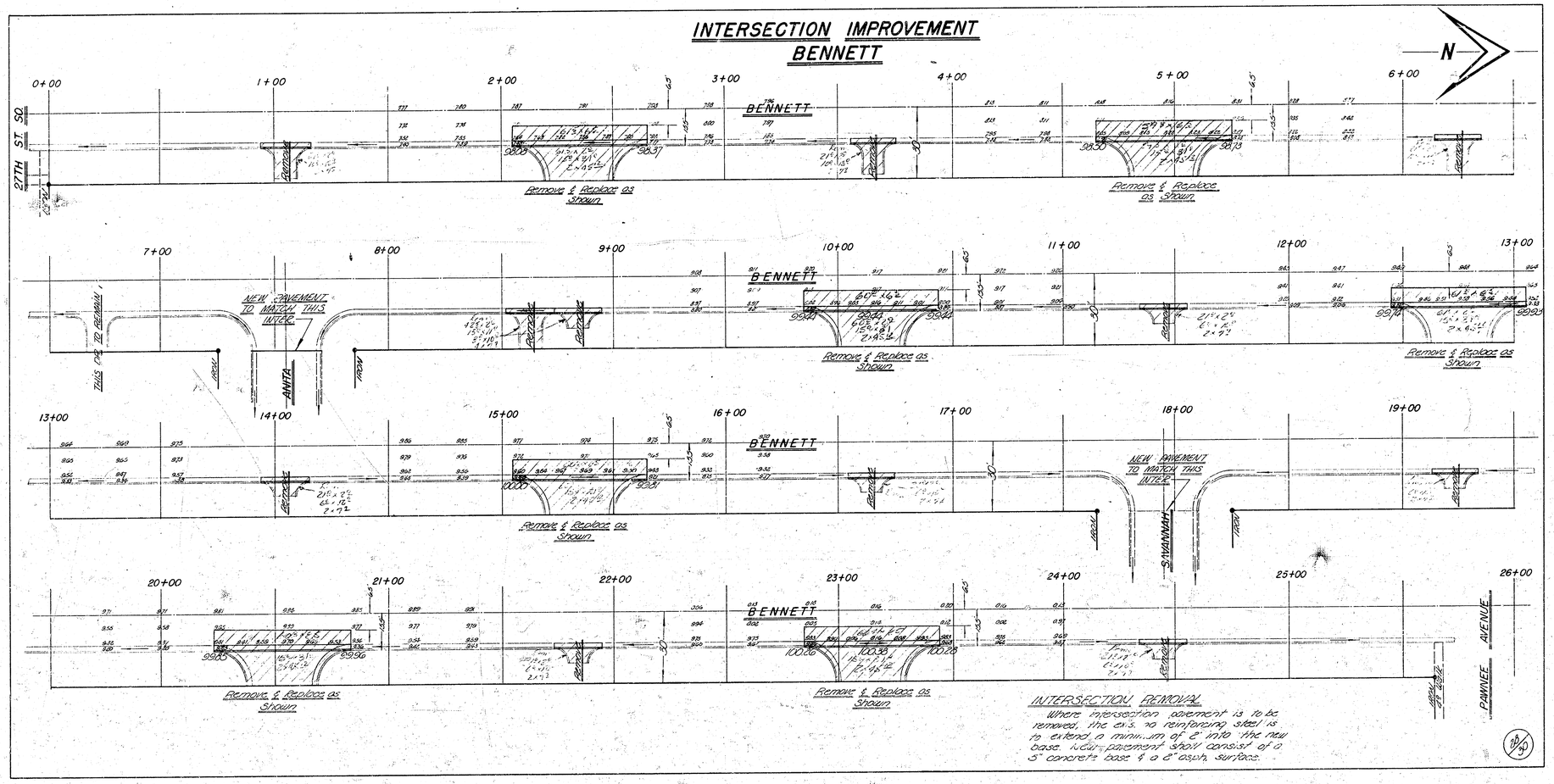


EXCAVATION
418.1
+10.7
428.8
459.9

JAMES H. LANDY
2012
KANSAS

URBAN RENEWAL PROJECT
GLENN VILLAGE
PAWNEE CT. PLAN
N.L. PAWNEE TO CUL-DE-SAC
CITY OF WICHITA, KANSAS

INTERSECTION IMPROVEMENT
BENNETT

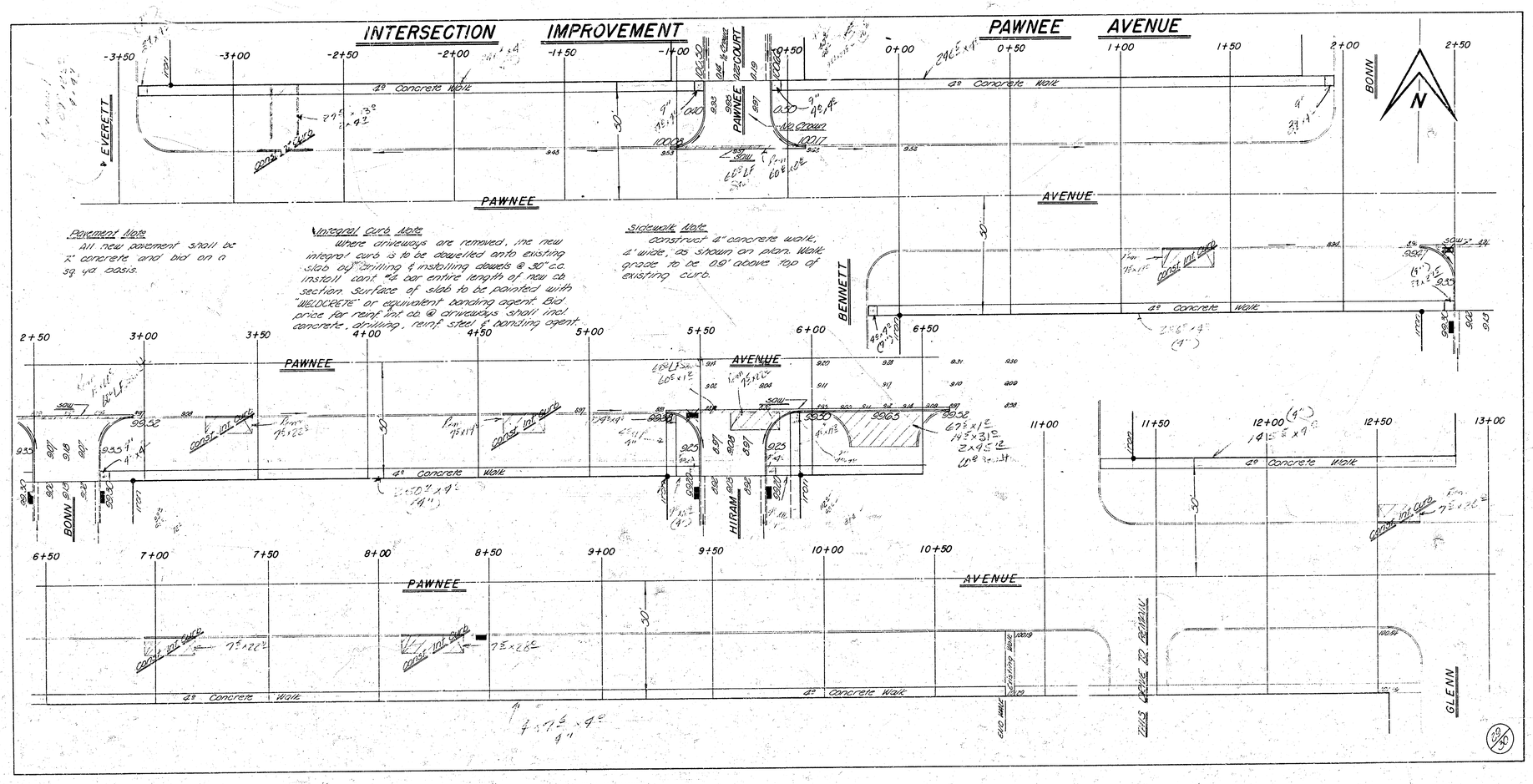


INTERSECTION REMOVAL

Where intersection pavement is to be removed, the exis. no reinforcing steel is to extend a minimum of 2' into the new base. New pavement shall consist of a 5" concrete base & a 2" asph. surface.

30/50

INTERSECTION IMPROVEMENT



Pavement Note

All new pavement shall be 7" concrete and bid on a sq. yd basis.

Integral Curb Note

Where driveways are removed, the new integral curb is to be doweled onto existing slab by drilling & installing dowels @ 30" c.c. install cont. #4 bar entire length of new cb section. Surface of slab to be painted with "WELDCRETE" or equivalent bonding agent. Bid price for rem. int. cb @ driveways shall incl concrete, grading, reinf. steel & bonding agent.

Sidewalk Note

Construct 4" concrete walk, 4' wide, as shown on plan. Walk grade to be 0.9' above top of existing curb.

INTERSECTION IMPROVEMENT
GLENN

