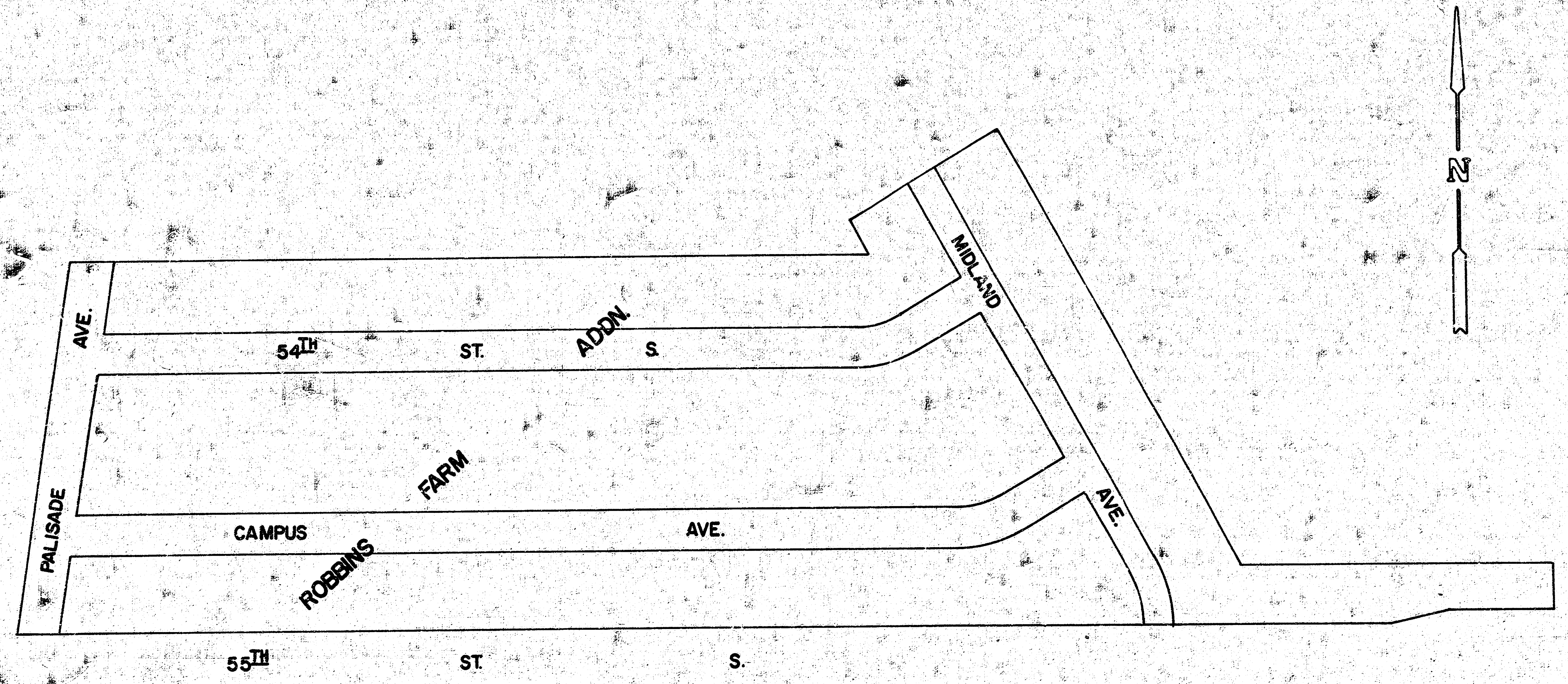
STREETS IN ROBBINS FARM ADDITION

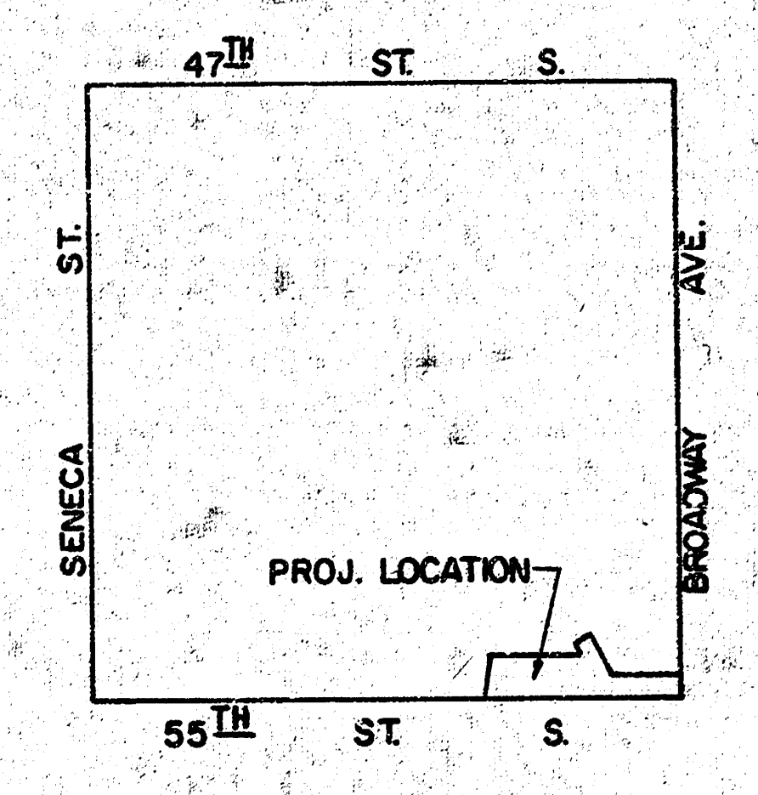
PALISADE AVE: N. L. 55TH ST. S.-N.L. ROBBINS FARM ADDN.
MIDLAND AVE: N. L. 55TH ST. S.-N.L. ROBBINS FARM ADDN.
CAMPUS AVE: E. L. PALISADE AVE.-W. L. MIDLAND AVE.
54TH ST. S: E. L. PALISADE AVE.-W. L. MIDLAND AVE.

CITY OF WICHITA, KS.
R. W. LINN-CITY ENGINEER
PROJ. NO. 472 76 245 80700 000 000 001
DATE:

TYPE 2 RIP-RAP SHALL BE 12" COARSE GRAVEL. GRAVEL SHALL BE HARD, DENSE, DURABLE AND REASONABLY WELL GRADED WITH A MAXIMUM SIZE OF 1/8 CUBIC FOOT AND A MINIMUM SIZE OF 3/16 INCHES.

TYPE 3 RIP-RAP SHALL BE 12" RIP-RAP ON 6" SAND AND GRAVEL BEDDING. THE ROCK FOR RIP-RAP AND GRAVEL PROTECTION SHALL BE HARD, DENSE, DURABLE AND SHALL BE REASONABLY WELL GRADED. THE SIZE RANGE OR ROCK USED SHALL HAVE A MAXIMUM SIZE OF ONE CUBIC FOOT AND A MINIMUM SIZE OF 1½ INCH. THE 6 INCH SAND AND GRAVEL BEDDING FOR RIP-RAP SHALL BE A CONTINUOUS LAYER OF SAND AND GRAVEL OR SAND AND CRUSHED ROCK, REASONABLY WELL GRADED TO A MAXIMUM OF 1½ INCHES IN SIZE.





SITE LOCATION

EARTHWORK

	PROPERTY		CITY	
	EXCAV.	COMP. FILL	EXCAV.	COMP. FILL
X-SECTION	7,266.8 C.Y.	467.0 C.Y.	1,991.8 C.Y.	211.4 C.Y.
10%	726.7 C.Y.	46.7 C.Y.	199.2 C.Y.	21.1 C.Y.
TOTAL	7,993.5 C.Y.	513.7 C.Y.	2,191.0 C.Y.	232.5 C.Y.

NOTE: NOT MORE THAN 82 TWENTY FT. DRIVES OR EQUIVALENT TO BE CONSTRUCTED
AND CHARGED TO THIS PROJECT.

TOTAL MANIPULATION = 19,6[illegible] S.Y.

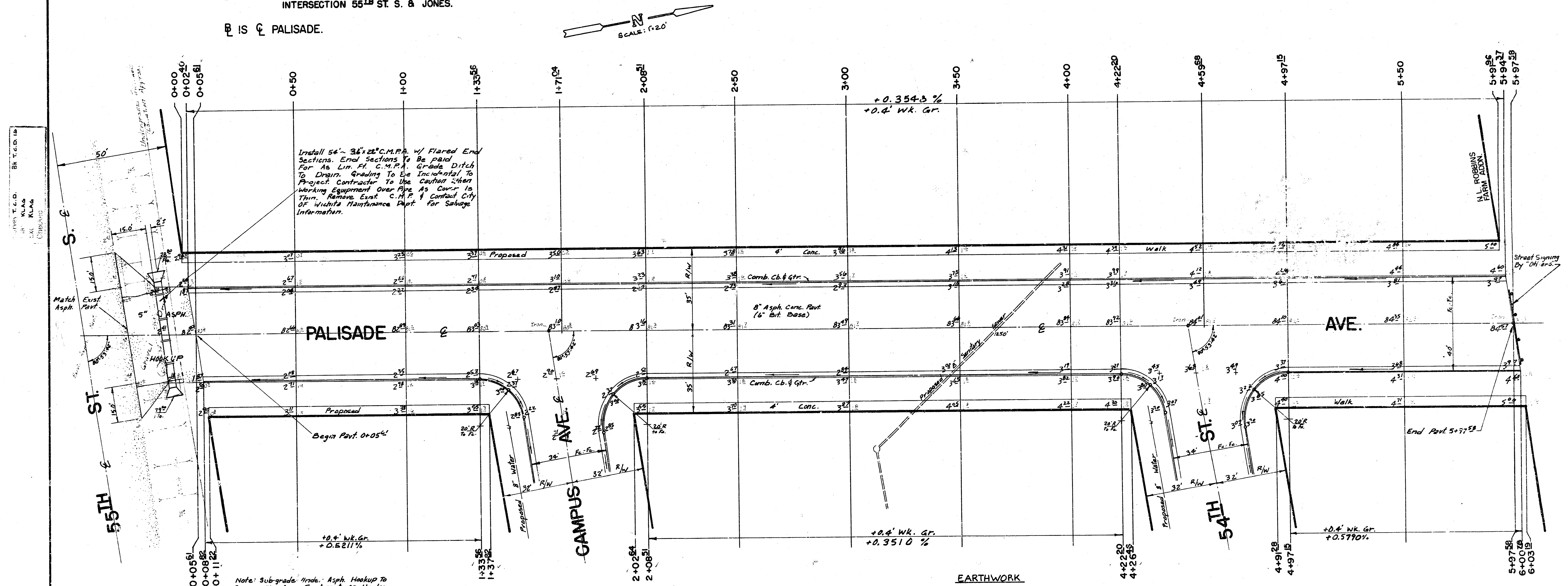
STEPHEN R. LACKEY
7714

Revised 3-9-79

1/1081/21

B.M.= 83.58 - CITY STD. BROADWAY & 55TH ST. S., 44' E. & 52' S. ℄ BOTH.
B.M.= 81.36 - CITY STD. GOLD & 55TH ST. S., 45' W. & 48' N. OF QUARTER SEC. COR.
B.M.= 83.59 - R. R. SPIKE S. SIDE P.P. N. SIDE 55TH ST. S. AT INTERSECTION 55TH ST. S. & JONES.

BL IS ℄ PALISADE.



Install 54' ~ 36"x22" C.M.P.A. w/ Flared End Sections. End Sections To Be paid For As Lin. Ft. C.M.P.A. Grade Ditch To Drain. Grading To Be Incidental To Project. Contractor To Use Caution When Working Equipment Over Pipe As Cover Is Thin. Remove Exist. C.M.P. & Contact City Of Wichita Maintenance Dept. For Salvage Information.

Note: Sub-grade Under Asph. Hookup To Receive The Same Treatment As Under The Pavt.

Note: Engineer To Take Ties & Replace Any "Irons" Moved Or Destroyed During Construction.

Storm Water Sewer Inlets To Be Constructed By "Others."

Paving Contractor To Co-ordinate All Work With Sewer Contractors.

SUB-GRADE
TYPE OF SUB-GRADE TREATMENT SHALL BE DETERMINED BY THE FIELD ENGINEER. SUB-GRADE TREATMENT MAY CONSIST OF LIME TREATMENT, CEMENT TREATMENT, SUB-GRADE MODIFICATION, OR ANY COMBINATION OF THESE.

CAUTION

EARTHWORK

PROPERTY		CITY	
EXC. = 0.0 C.Y.	COMP. FILL = 443.1 C.Y.	EXC. = 1.3 C.Y.	COMP. FILL = 211.4 C.Y.
10% = 0.0 C.Y.	10% = 44.3 C.Y.	10% = 0.1 C.Y.	10% = 21.1 C.Y.
TOTAL = 0.0 C.Y.	TOTAL = 487.4 C.Y.	TOTAL = 1.4 C.Y.	TOTAL = 232.5 C.Y.

PALISADE AVE.

N.L. 55TH ST. S. TO N.L. ROBBINS FARM ADDN.
40' F.F. - 2" A.C. w/ 6" BIT. BASE - COMB. C. & G.

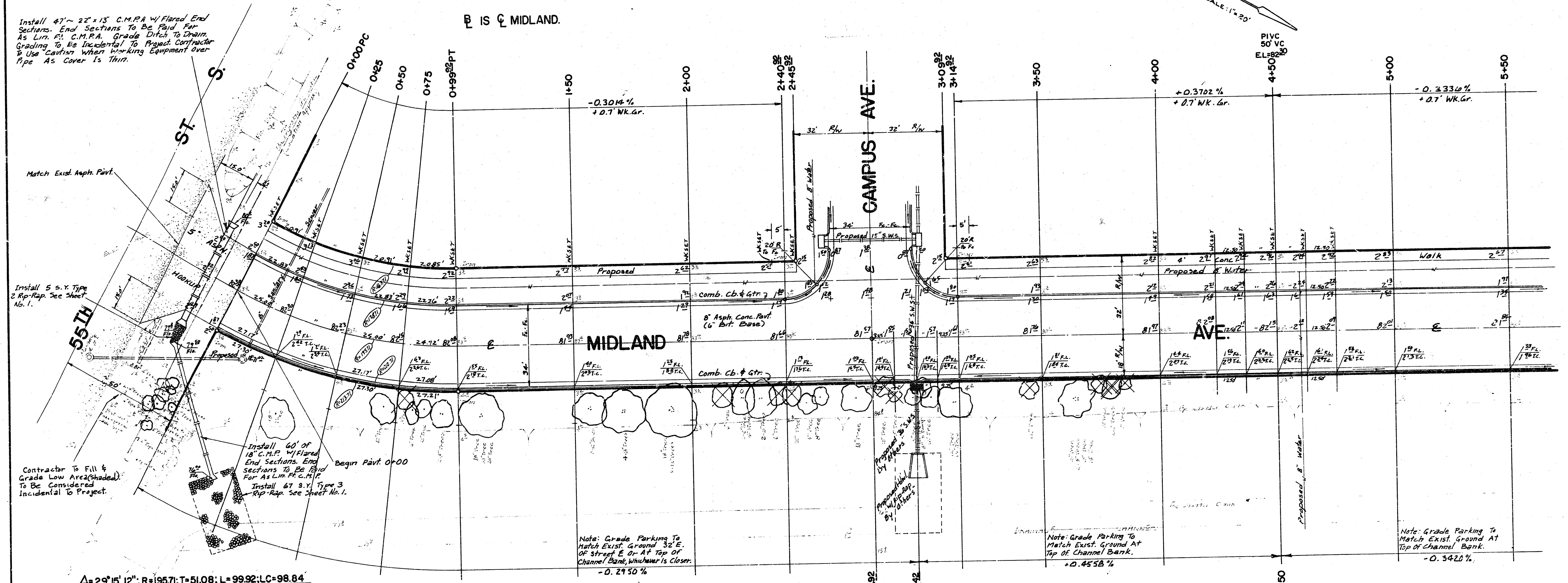
CITY OF WICHITA, KS.

R. W. LINN CITY ENGINEER
PROJ. NO. 472 76 245 80700 000 000 001
DATE:

Revised 3-9-79 2/10

B. M. = 83.58 – CITY STD. BROADWAY & 55TH ST. S., 44' E. & 52' S. ℄ BOTH.
B. M. = 81.36 – CITY STD. GOLD & 55TH ST. S., 45' W. & 48' N. OF QUARTER SEC. COR.
B. M. = 83.59 – R. R. SPIKE S. SIDE P.P. N. SIDE 55TH ST. S. AT INTERSECTION 55TH ST. S. & JONES.

BL IS ℄ MIDLAND.



Install 47' ~ 22" x 13" C.M.P.A W/ Flared End Sections. End Sections To Be Paid For As Lin. Ft. C.M.P.A. Grade Ditch To Drain. Grading To Be Incidental To Project. Contractor To Use Caution When Working Equipment Over Pipe As Cover Is Thin.

Install 5 S.Y. Type 2 Rip-Rap. See Sheet No. 1.

Contractor To Fill & Grade Low Area (Shaded). To Be Considered Incidental To Project.

Install 60' Of 18" C.M.P. W/ Flared End Sections. End Sections To Be Paid For As Lin. Ft. C.M.P.

Install 67 S.Y. Type 3 Rip-Rap. See Sheet No. 1.

Note: Grade Parking To Match Exist. Ground 32' E. Of Street ℄ Or At Top Of Channel Bank, Whichever Is Closer.

Note: Grade Parking To Match Exist. Ground At Top Of Channel Bank.

Note: Grade Parking To Match Exist. Ground At Top Of Channel Bank.

Δ = 29° 15' 12"; R = 195.71; T = 51.08; L = 99.92; LC = 98.84

CURVE DATA BASED ON ℄ RAD. Δ/2 = 14° 37' 36"					
STA.	ARC.	CHORD LENGTH 8' OFF W. CB.	CHORD LENGTH 8' OFF E. C.B.	DEFLECTION	TOTAL DEFLECTION
0+00	—	—	—	0°-00'-00"	0°-00'-00"
0+25	25.00	21.79	28.17	3°-39'-35"	3°-39'-35"
0+50	25.00	21.79	28.17	3°-39'-34"	7°-19'-09"
0+75	25.00	21.79	28.17	3-39'-35"	10°-58'-44"
0+99.92	24.92	21.72	28.08	3-38'-52"	14-37-36

Defl./Ft. = 8.782757141 Min.

Note: Sub-grade Under Asph. Hookup To Receive The Same Treatment As Under The Pavt.

Note: Engineer To Take Ties & Replace Any Irons Moved OR Destroyed During Construction.

Storm Water Sewer Inlets To Be Constructed By "Others".

Paving Contractor To Co-ordinate All Work With Sewer Contractors.

Note: Trees To Be Removed Are Marked Thus: ⊠ Except That Any Tree Marked For Removal Which In The Opinion Of The Engineer Can Be Saved, Shall Be Spared.

T[illegible] DE-
TER[illegible]ADE
TREATM[illegible]ENT,
CEMENT TREATMENT, SUBGRADE MODIFICA-
TION, OR ANY COMBINATION OF THESE.

EARTHWORK

PROPERTY		CITY	
EXC. =	1,119.8 C.Y.	EXC. =	1,990.5 C.Y.
10% =	112.0 C.Y.	10% =	199.1 C.Y.
TOTAL =	1,231.8 C.Y.	TOTAL =	2,189.6 C.Y.

Note: Engineer to take cross-sections on E. side of Midland from back of curb to ℄ Drainage Ditch after completion of project and indicate Easterly limits of Earthwork.

MIDLAND AVE.
N. L. 55TH ST. S. TO N. L. ROBBINS FARM ADDN.
34' F.-F. – 2" A. C. w/ 6" BIT. BASE – COMB. C. & G.
CITY OF WICHITA, KS.
R. W. LINN CITY ENGINEER
PROJ. NO. 472 76 245 80700 000 000 001
DATE:

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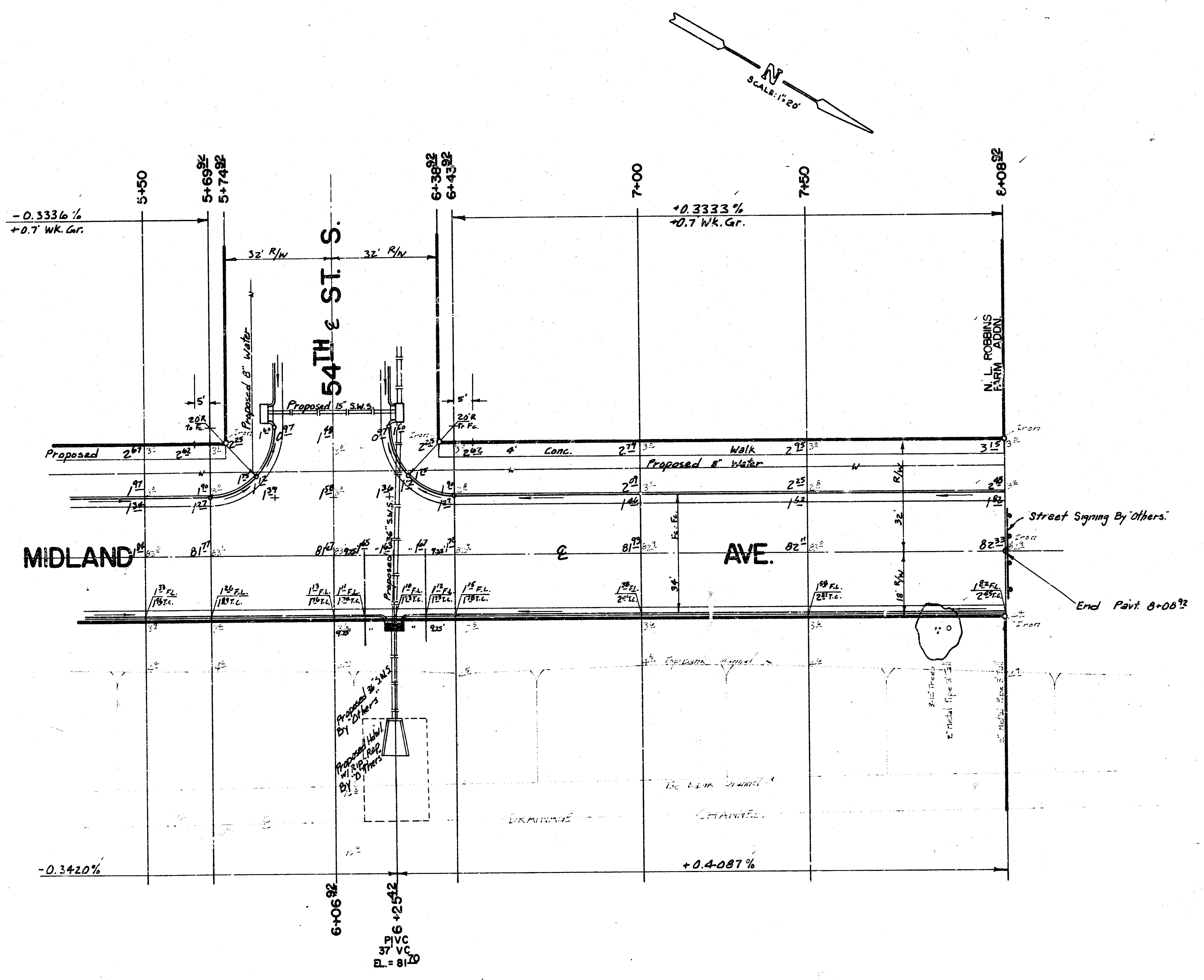
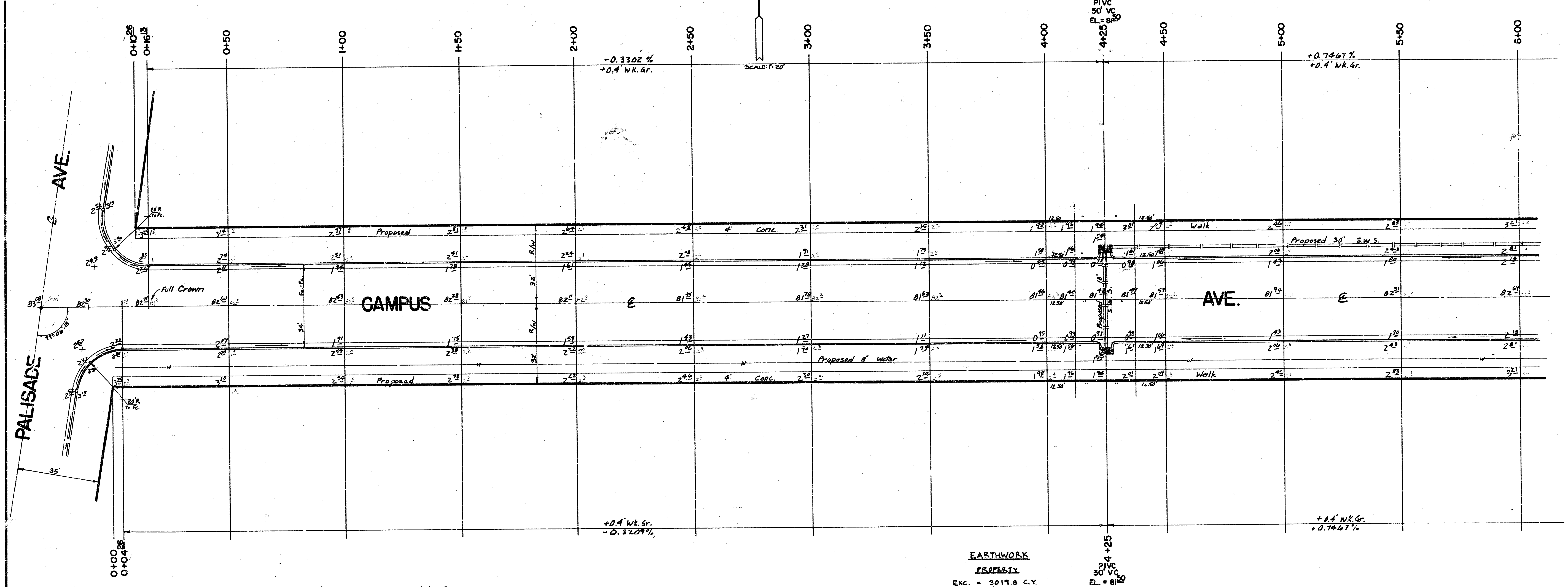


MIDLAND AVE
N.L. 55TH ST. S. TO N.L. ROBBINS FARM ADDN.
PROJ. NO. 472 76 245 80700 000 000 001

B. M. = 83.58— CITY STD. BROADWAY & 55TH ST. S., 44' E. & 52' S. ℄ BOTH.
B. M. = 81.36— CITY STD. GOLD & 55TH ST. S., 45' W. & 48' N. OF QUARTER SEC. COR.
B. M. = 83.59— R. R. SPIKE S. SIDE P. P. N. SIDE 55TH ST. S. AT INTERSECTION 55TH ST. S. & JONES.

B̲L IS ℄ CAMPUS.



Storm Water Sewer Inlets To Be Constructed By "Others."

Paving Contractor To Co-ordinate All Work With Sewer Contractors.

SUB-GRADE

TYPE OF SUB-GRADE TREATMENT SHALL BE DETERMINED BY THE FIELD ENGINEER. SUB-GRADE TREATMENT MAY CONSIST OF LIME TREATMENT, CEMENT TREATMENT, SUB-GRADE MODIFICATION, OR ANY COMBINATION OF THESE.

EARTHWORK

PROPERTY

EXC. = 3019.8 C.Y.
10% = 302.0 C.Y.
TOTAL = 3,321.8 C.Y.

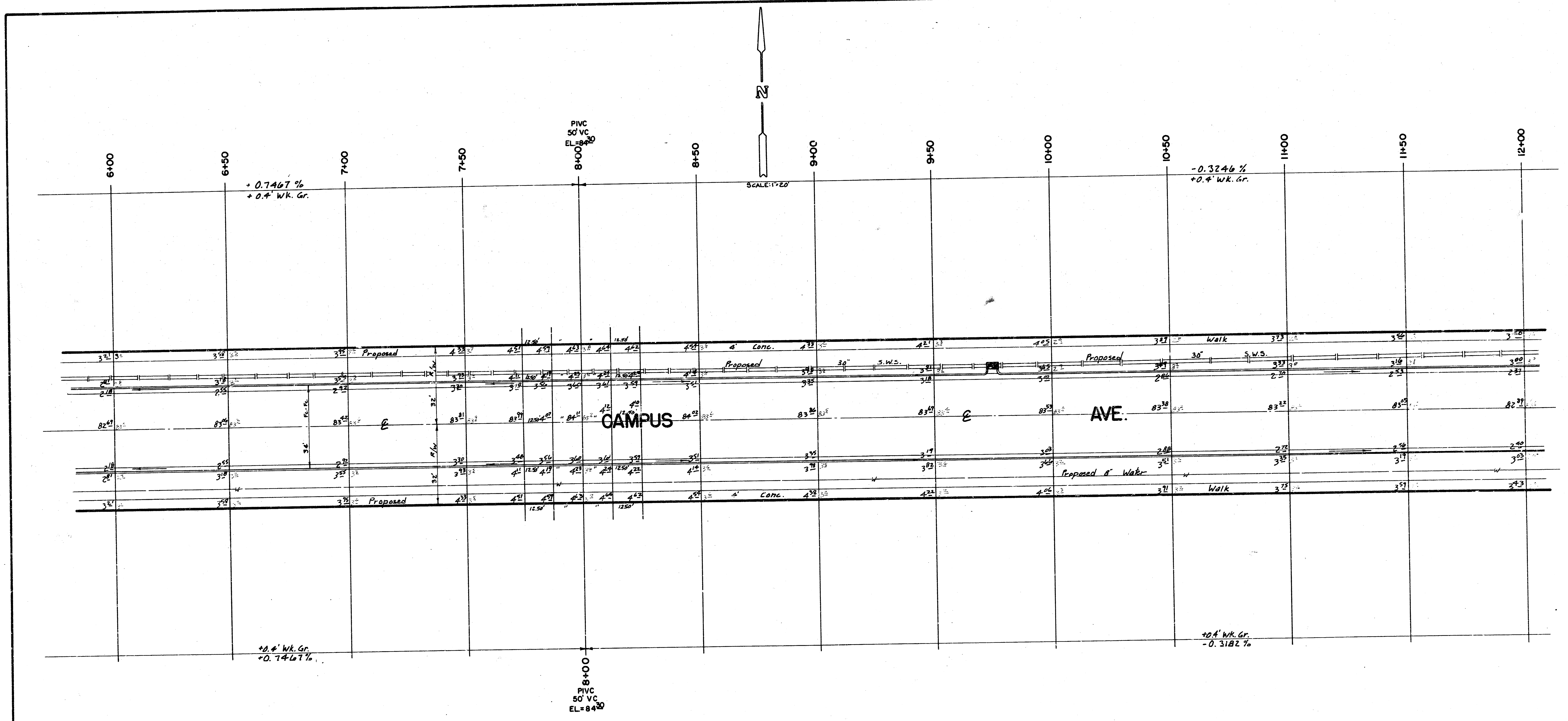
CAMPUS AVE.

E. L. PALISADE AVE. TO W. L. MIDLAND AVE.
34' F.F. – 2" A. C. w/ 6" BIT. BASE – COMB. C. & G.

CITY OF WICHITA, KS.

R. W. LINN CITY ENGINEER
PROJ. NO. 472 76 245 80700 000 000 001
DATE:

5/10



CAMPUS AVE.

E. L. PALISADE AVE. TO W. L. MIDLAND AVE.

PROJ. NO. 472 76 245 80700 000 000001

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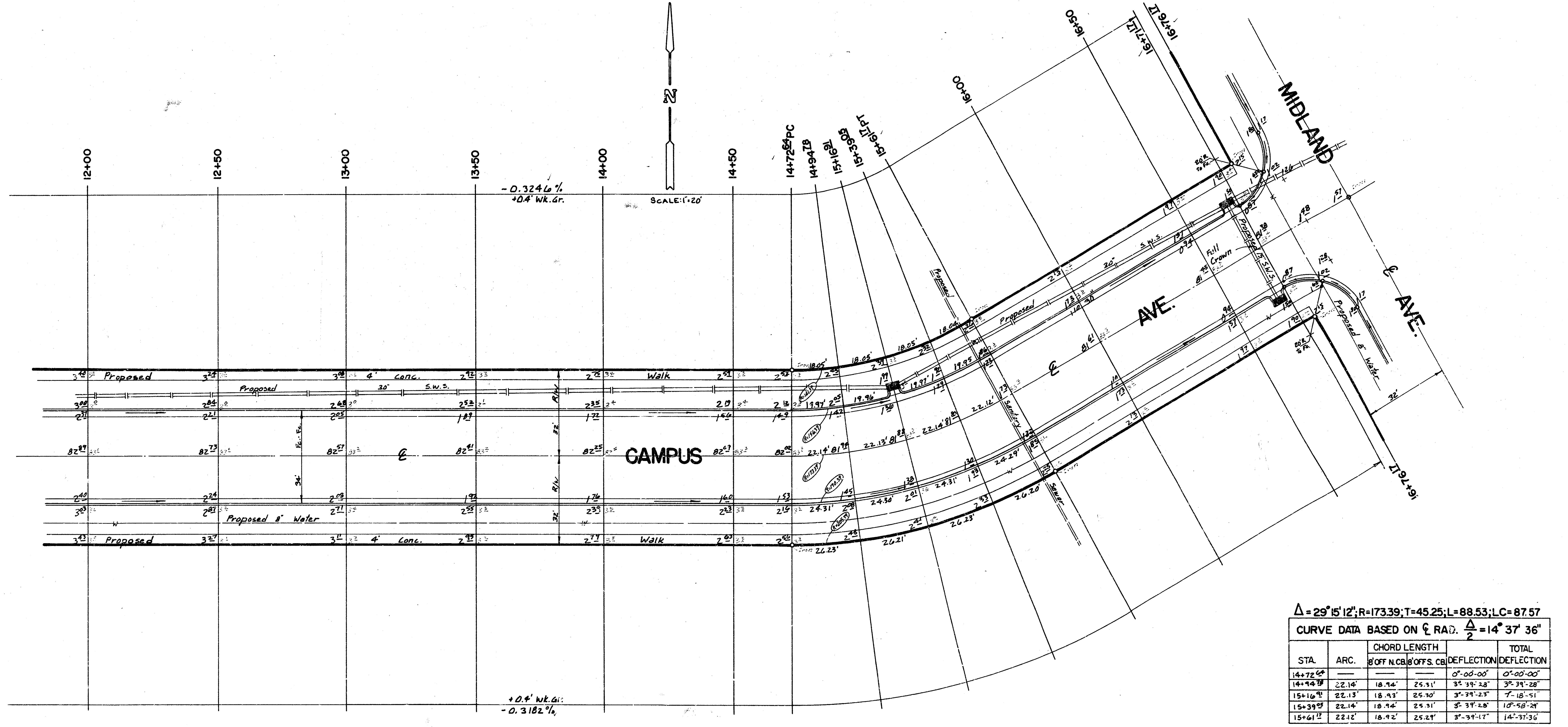


Δ = 29° 15' 12"; R = 173.39; T = 45.25; L = 88.53; LC = 87.57

CURVE DATA BASED ON ℄ RAD. $\frac{\Delta}{2}$ = 14° 37' 36"

STA.	ARC.	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		8' OFF N. CB.	8' OFF S. CB.		
14+72.64	—	—	—	0°-00'-00"	0°-00'-00"
14+94.78	22.14'	18.94'	25.31'	3°-39'-28"	3°-39'-28"
15+16.91	22.13'	18.93'	25.30'	3°-39'-23"	7°-18'-51"
15+39.05	22.14'	18.94'	25.31'	3°-39'-28"	10°-58'-29"
15+61.17	22.12'	18.92'	25.29'	3°-39'-17"	14°-37'-36"

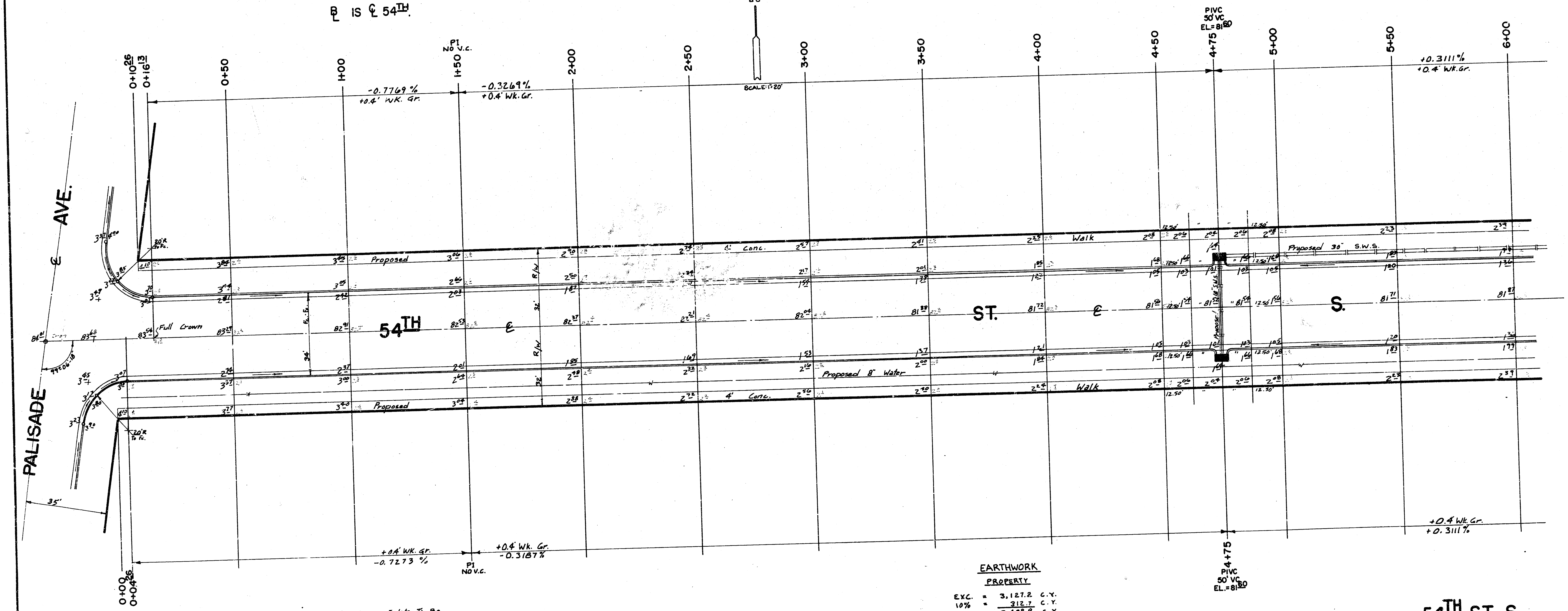
Defl./Ft. = 9.9130238 Min.

CAMPUS AVE.

E. L. PALISADE AVE. TO W. L. MIDLAND AVE.
PROJ. NO. 472 76 245 80700 000 000 001

B. M. = 83.58 — CITY STD. BROADWAY & 55TH ST. S., 44' E. & 52' S ℄ 80TH.
B. M. = 81.36 — CITY STD. GOLD & 55TH ST. S., 45' W. & 48' N. OF QUARTER SEC. COR.
B. M. = 83.59 — R. R. SPIKE S. SIDE P.P. N. SIDE 55TH ST. S. AT INTERSECTION 55TH ST. S. & JONES.

BL IS ℄ 54TH.



Storm Water Sewer Inlets To Be Constructed By "Others".

Paving Contractor To Co-ordinate All Work With Sewer Contractors.

TYPE OF [illegible] SHALL BE DE- TERMIN[illegible] SUB-GRADE TREA[illegible] TREATMENT, CEMENT [illegible] MODIFICA- TION, OR ANY [illegible] THESE.

EARTHWORK

PROPERTY

EXC.	=	3,127.2	C.Y.
10%	=	312.7	C.Y.
TOTAL	=	3,439.9	C.Y.
COMP. FILL	=	23.9	C.Y.
10%	=	2.4	C.Y.
TOTAL	=	26.3	C.Y.

54TH ST. S.

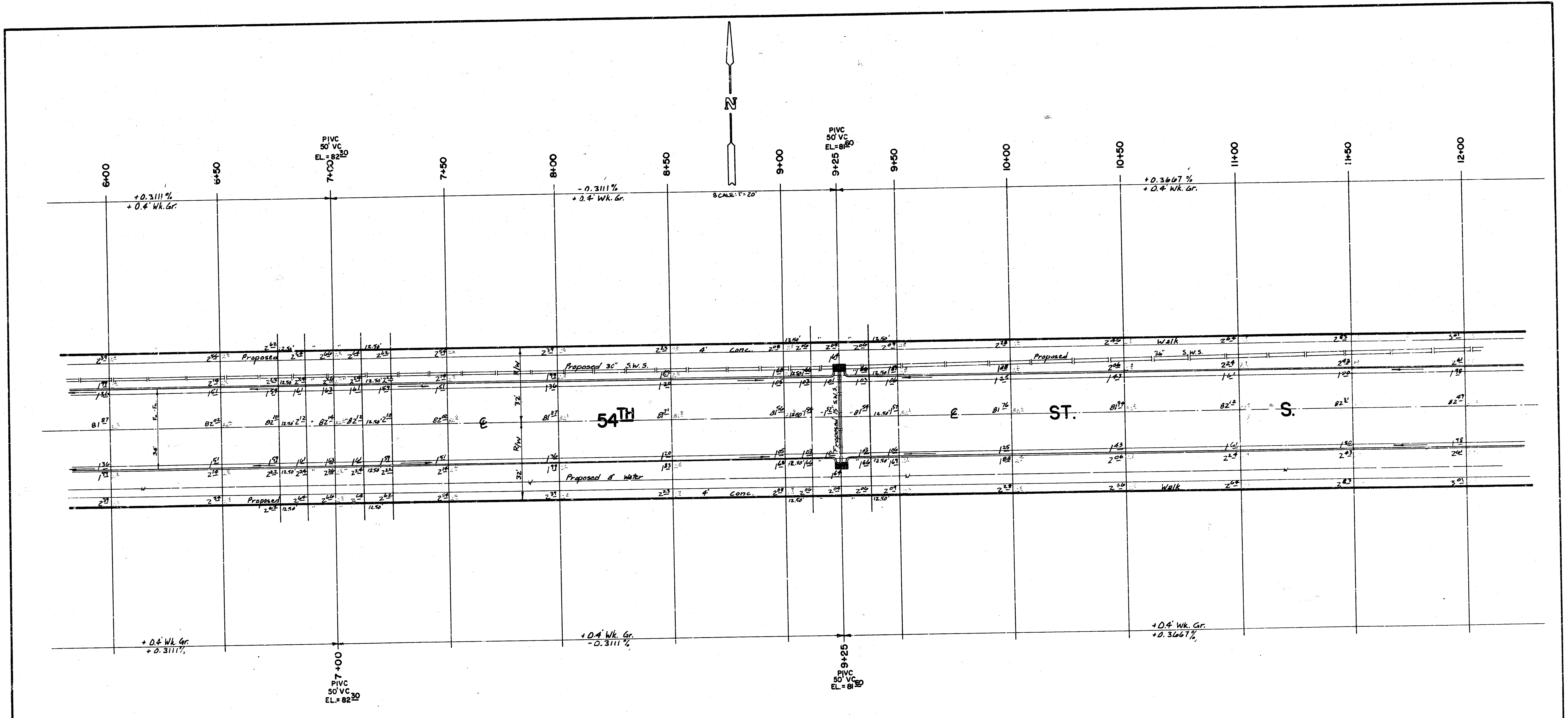
E. L. PALISADE AVE. TO W. L. MIDLAND AVE.
34' F.F. - 2" A. C. w/ 6" BIT. BASE - COMB. C. & G.

CITY OF WICHITA, KS.

R. W. LINN CITY ENGINEER
PROJ. NO. 472 76 245 80700 000 000 001
DATE:

Revised 3-9-79

8/10



54TH ST. S.

E. L. PALISADE AVE. TO W. L. MIDLAND AVE.

PROJ. NO. 472 76 245 80700 000 000 001

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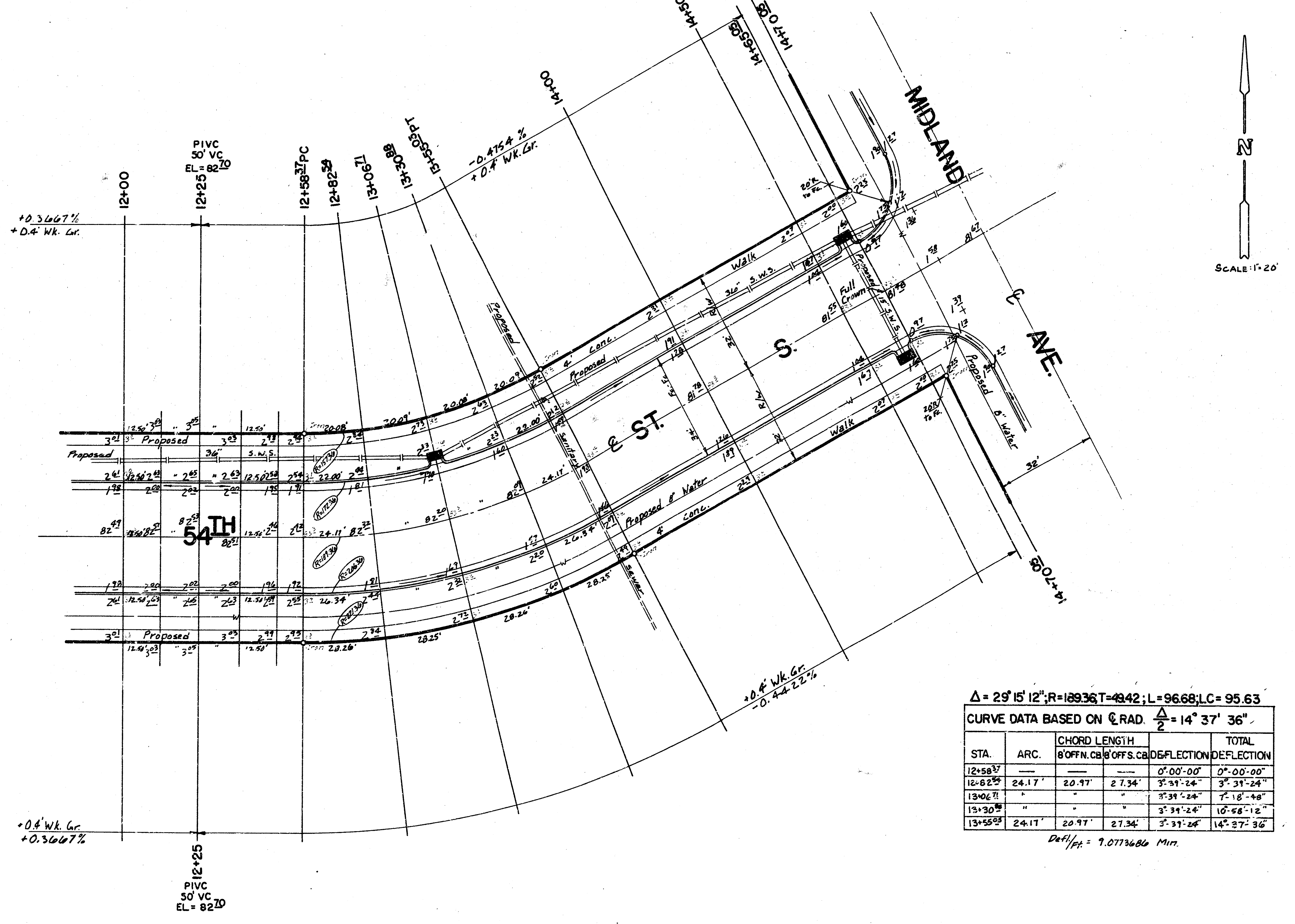

Δ = 29° 15' 12"; R = 189.36, T = 49.42; L = 96.68; LC = 95.63

CURVE DATA BASED ON ℄ RAD. $\frac{\Delta}{2}$ = 14° 37' 36"					
STA.	ARC.	CHORD LENGTH 8' OFF N. CB	 8' OFF S. CB	DEFLECTION	TOTAL DEFLECTION
12+58.37	—	—	—	0°-00'-00"	0°-00'-00"
12+82.54	24.17'	20.97'	27.34'	3°-39'-24"	3°-39'-24"
13+06.71	"	"	"	3°-39'-24"	7°-18'-48"
13+30.88	"	"	"	3°-39'-24"	10°-58'-12"
13+55.05	24.17'	20.97'	27.34'	3°-39'-24"	14°-37'-36"

Defl./Ft. = 9.0773686 Min.

54TH ST. S.

E. L. PALISADE AVE. TO W. L. MIDLAND AVE.

PROJ. NO. 472 76 245 80700 000 000 001

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