

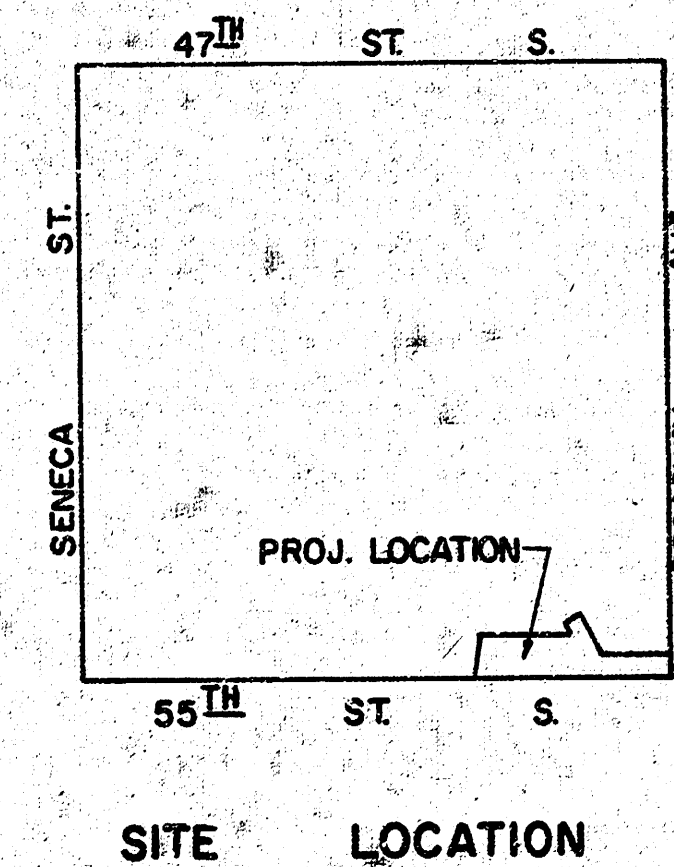
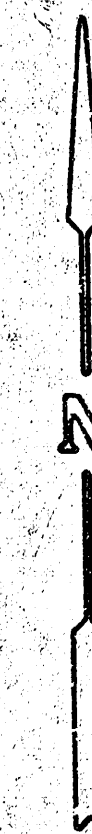
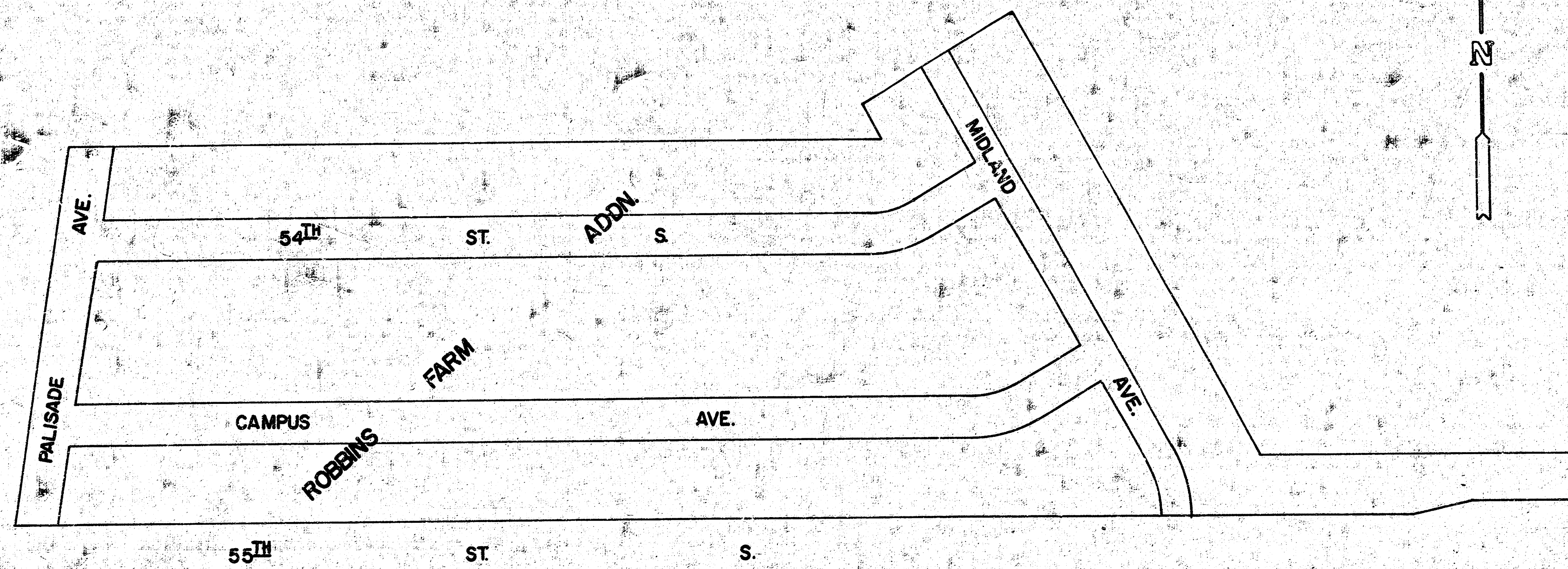
# STREETS IN ROBBINS FARM ADDITION

PALISADE AVE: N. L. 55<sup>TH</sup> ST. S.-N. L. ROBBINS FARM ADDN.  
 MIDLAND AVE: N. L. 55<sup>TH</sup> ST. S.-N. L. ROBBINS FARM ADDN.  
 CAMPUS AVE: E. L. PALISADE AVE.-W. L. MIDLAND AVE.  
 54<sup>TH</sup> 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 1 1/2 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 1 1/2 INCHES IN SIZE.



|           | EARTHWORK    |            | CITY         |            |
|-----------|--------------|------------|--------------|------------|
|           | EXCAV.       | COMP. FILL | EXCAV.       | COMP. FILL |
| PROPERTY  |              |            |              |            |
| X-SECTION | 72,668 C.Y.  | 4,670 C.Y. | 1,991.8 C.Y. | 211.4 C.Y. |
| 10%       | 726.7 C.Y.   | 467 C.Y.   | 199.2 C.Y.   | 211.4 C.Y. |
| TOTAL     | 7,995.5 C.Y. | 5,137 C.Y. | 2,191.0 C.Y. | 232.8 C.Y. |

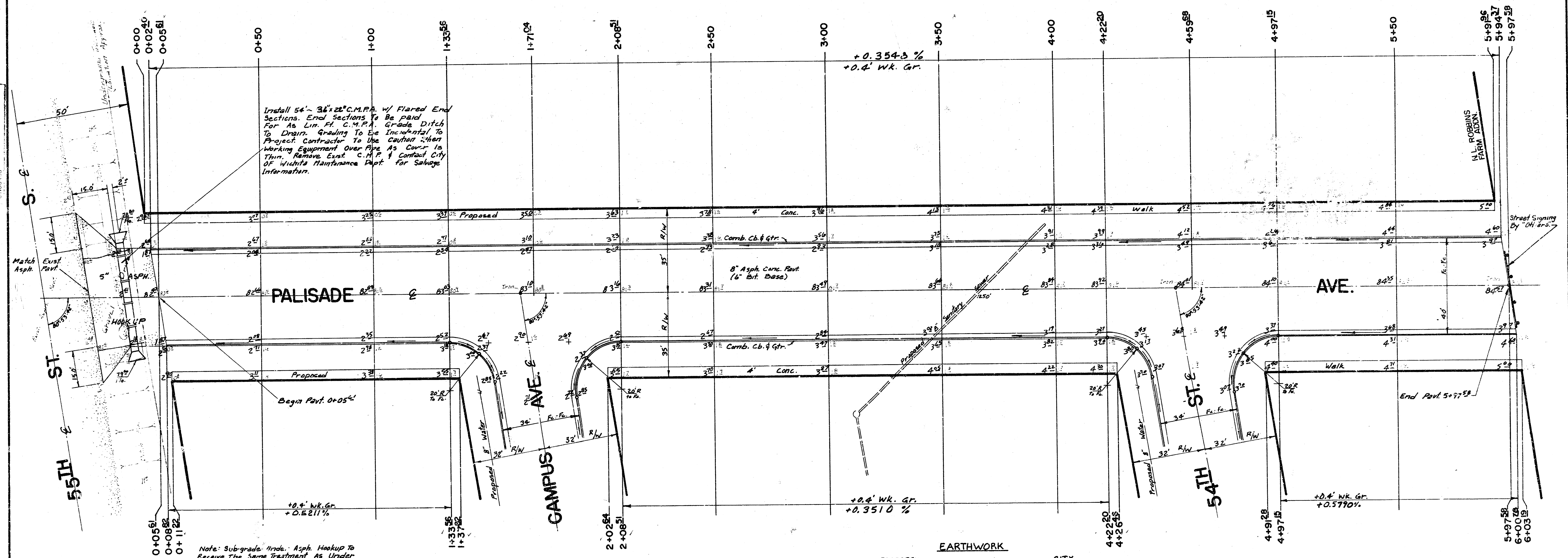
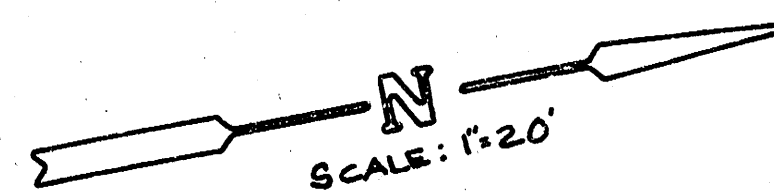
NOTE: NOT MORE THAN 02 TWENTY FT. DRIVES OR EQUIVALENT TO BE CONSTRUCTED AND CHARGED TO THIS PROJECT.

TOTAL MANIPULATION = 19,6 S.Y.



B.M. = 8358 - CITY STD. BROADWAY & 55<sup>TH</sup> ST. S., 44' E. & 52' S.  
 & BOTH.  
 B.M. = 8136 - CITY STD. GOLD & 55<sup>TH</sup> ST. S., 45' W. & 43' N. OF  
 QUARTER SEC. COR.  
 B.M. = 8359 - R. R. SPIKE S. SIDE P.P. N. SIDE 55<sup>TH</sup> ST. S. AT  
 INTERSECTION 55<sup>TH</sup> ST. S. & JONES.

IS & PALISADE.



Note: Sub-grade Under Asphalt 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 Coordinate All Work With Sewer Contractors.

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

CAUTION

| 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. 55<sup>TH</sup> 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: 3-7-77

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

IS MIDLAND.

Install 47' - 22" x 18" C.M.P.A. w/ Flared End  
 Sections. End Sections To Be Paid For  
 As Lin. P. 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.s. Type  
 2 Rip-Rap. See Sheet  
 No. 1.

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

Install 40' of  
 18" C.M.P.A. w/ Flared  
 End Sections. End  
 Sections To Be Paid  
 For As Lin. P.C.M.P.A.  
 Rip-Rap. See Sheet No. 1.

Note: Grade Parking To  
 Match Exist. Ground 30' E.  
 OF Street E. Or At Top Of  
 Channel Bank, whichever is closer.  
 -0.2950%

Note: Grade Parking To  
 Match Exist. Ground At  
 Top Of Channel Bank.  
 +0.4558%

Note: Grade Parking To  
 Match Exist. Ground At  
 Top Of Channel Bank.  
 -0.5420%

$\Delta = 29^{\circ}15'12''$ ;  $R = 195.71$ ;  $T = 51.08$ ;  $L = 99.92$ ;  $LC = 98.84$   
 CURVE DATA BASED ON  $\frac{\Delta}{2} = 14^{\circ}37'36''$

| STA.    | ARC.  | CHORD LENGTH | OFF F.W.C.B. | OFF E.C.B. | DEFLECTION | TOTAL     |
|---------|-------|--------------|--------------|------------|------------|-----------|
| 0+00    |       |              |              |            | 0°00'00"   | 0°00'00"  |
| 0+25    | 25.00 | 21.11        | 28.17        | 3'39'35"   | 3'39'35"   | 3'39'35"  |
| 0+50    | 25.00 | 21.11        | 28.17        | 3'39'35"   | 7'11'04"   | 7'11'04"  |
| 0+75    | 25.00 | 21.11        | 28.17        | 3'39'35"   | 10'58'44"  | 10'58'44" |
| 0+99.92 | 24.92 | 21.12        | 28.08        | 3'38'52"   | 14'37'36"  | 14'37'36" |

Def/Ft = 8.782757144 Min.

Note: Subgrade Under Asphalt 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 Coordinate 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.

THAT THE CITY ENGINEER OR HIS  
 DESIGNATED REPRESENTATIVE SHALL  
 TREATMENT AND CONSTRUCTION OF THE  
 CEMENT TIE, INLET, SLOPE TO MAINTAIN  
 TION, OR ANY COMBINATION OF THESE.

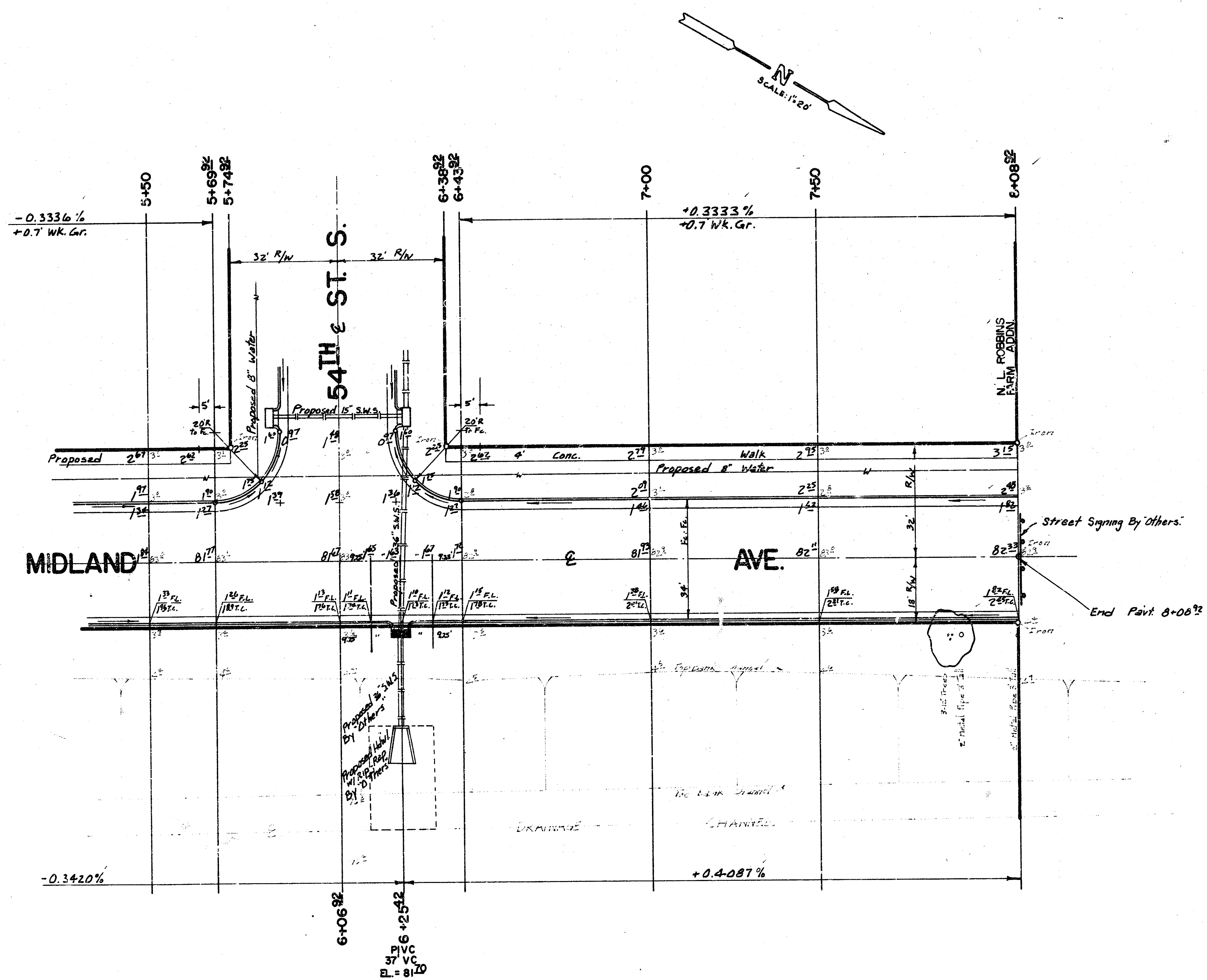
Note: Engineer to take cross-sections on E. side of Midland from back of  
 curb to E. Drainage Ditch after completion of project and indicate Eastern  
 limits of Earthwork.

PROPERTY  
 EXC. = 1,119.8 C.Y.  
 10% = 111.98 C.Y.  
 TOTAL = 1,231.8 C.Y.

#### EARTHWORK

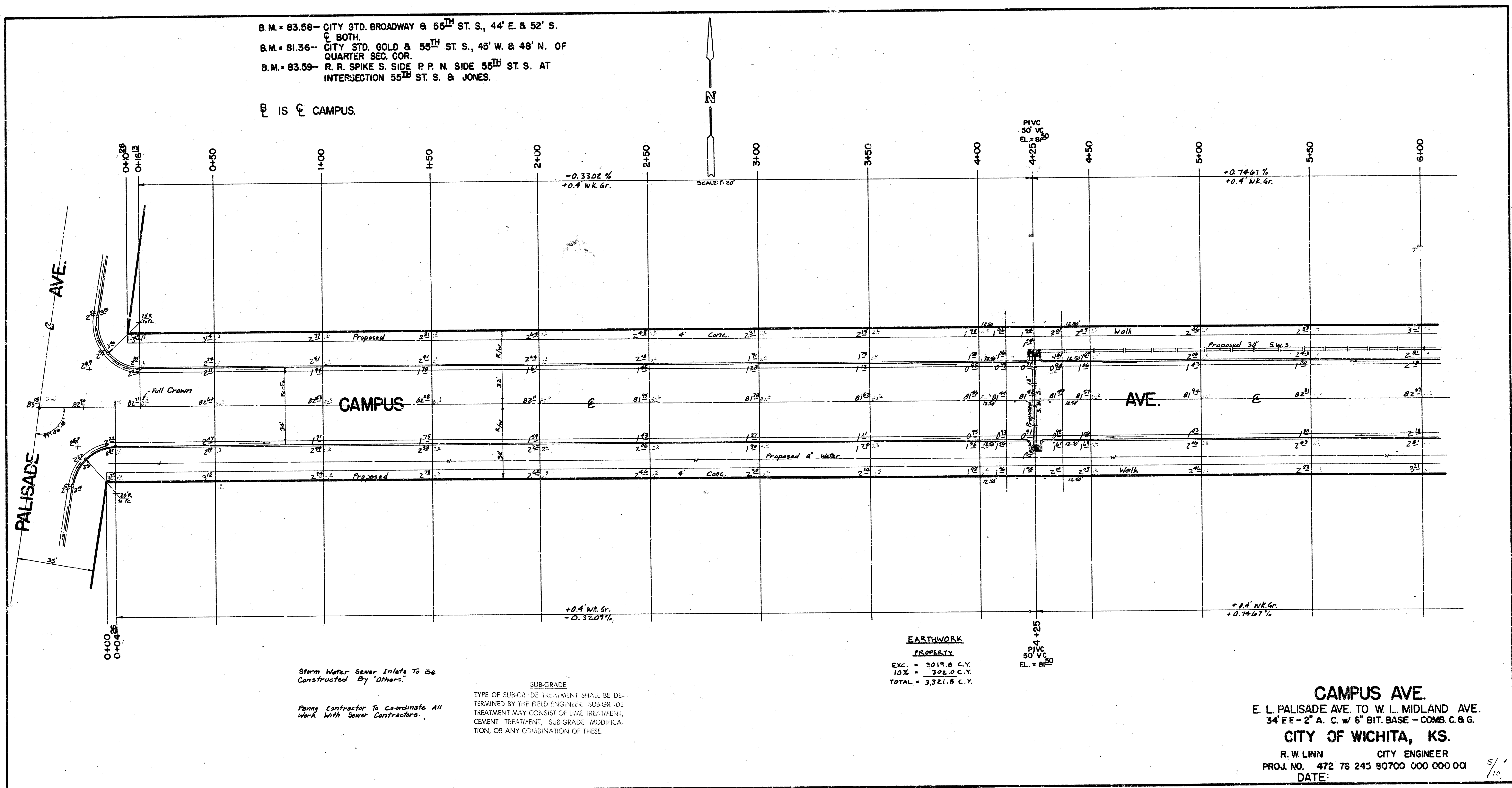
CITY  
 EXC. = 1,990.56 C.Y.  
 10% = 199.06 C.Y.  
 TOTAL = 2,189.62 C.Y.

**MIDLAND AVE.**  
 N. L. 55<sup>TH</sup> 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:



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

CL IS CL CAMPUS.



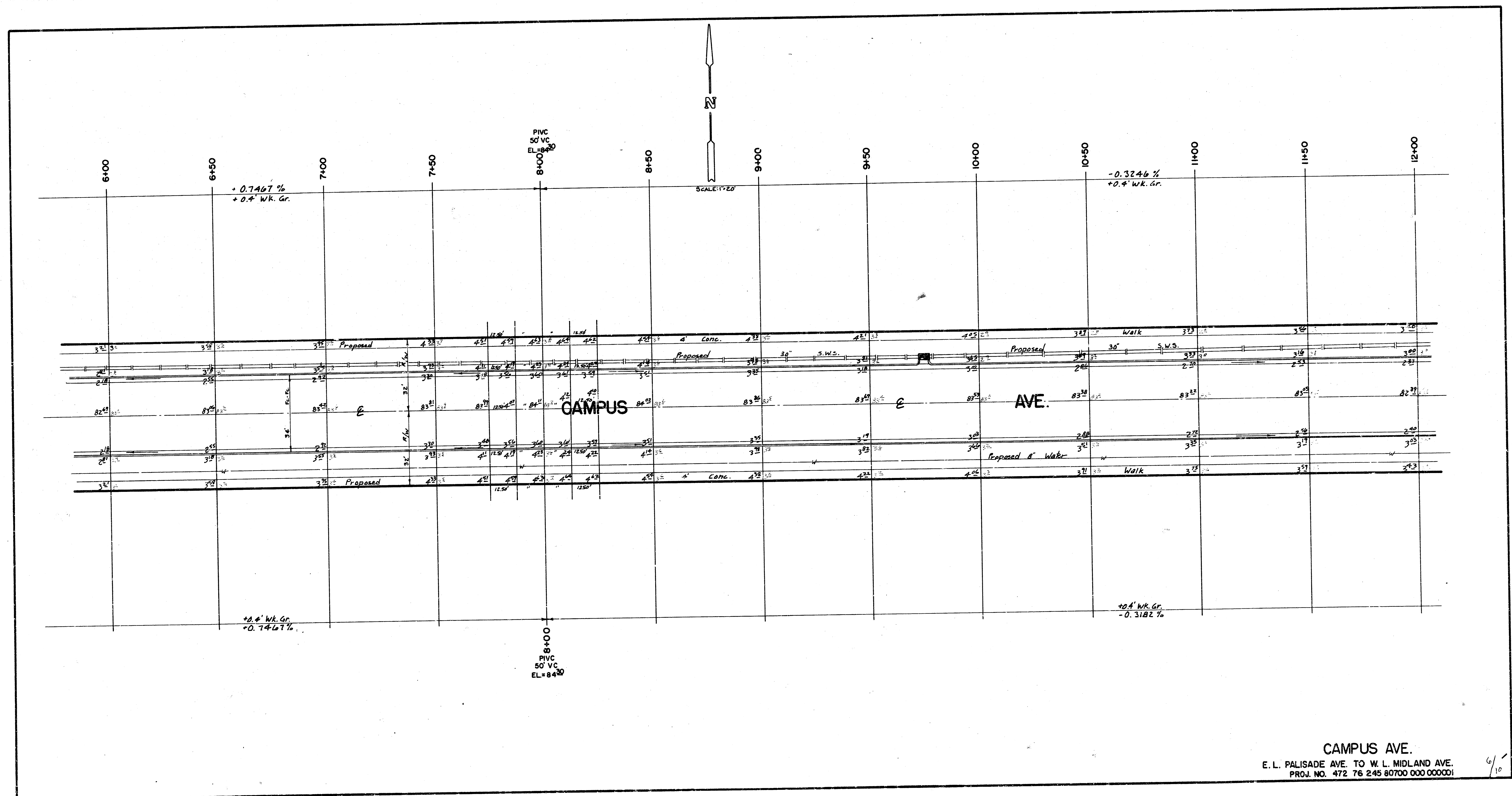
**EARTHWORK**  
**PROPERTY**  
 EXC. = 3019.8 C.Y.  
 10% = 302.0 C.Y.  
 TOTAL = 3,321.8 C.Y.

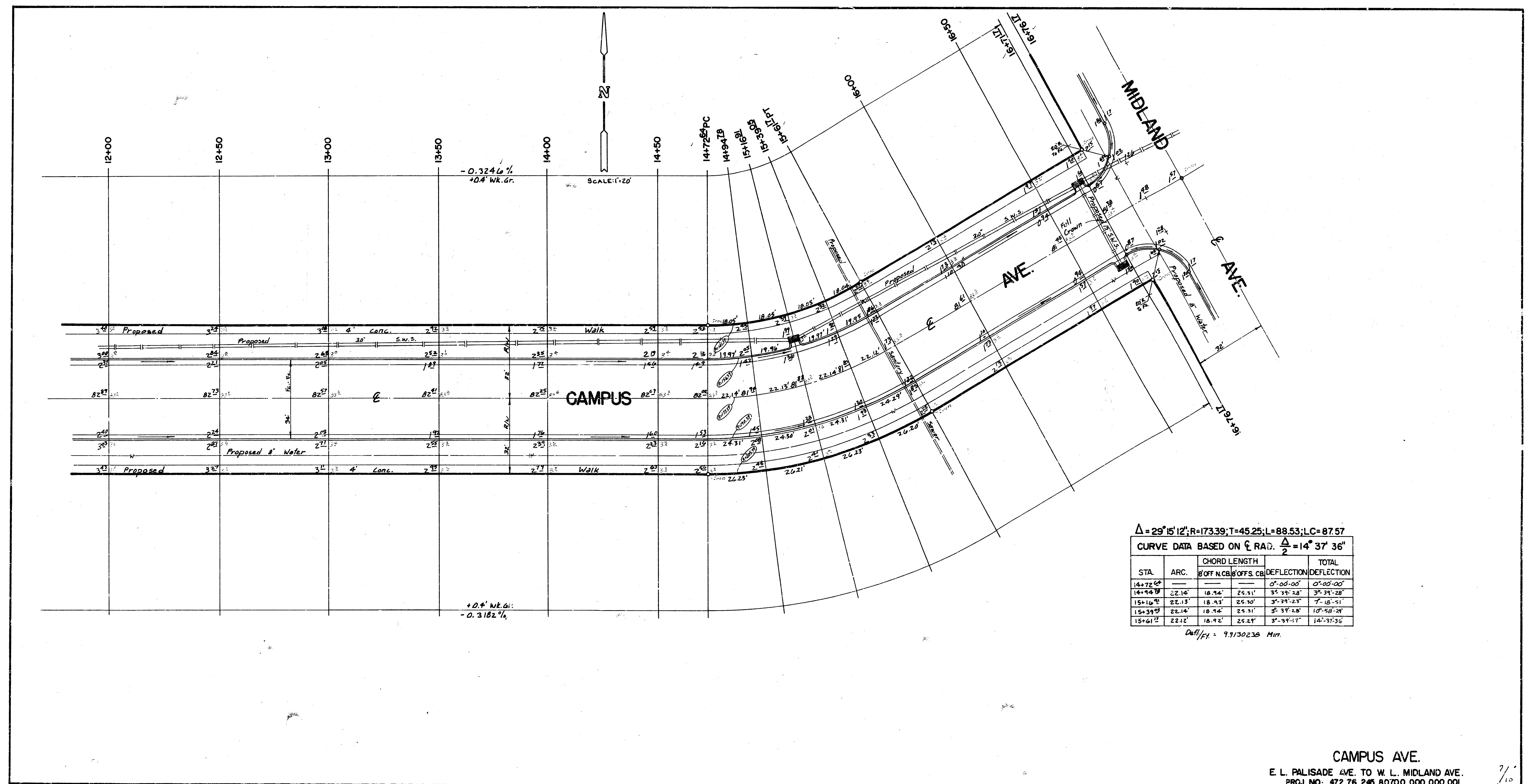
Storm Water Sewer Inlets To Be  
 Constructed By Others.

Paving Contractor To Coordinate All  
 Work With Sewer Contractors.

**SUB-GRADE**  
 TYPE OF SUB-GRADE TREATMENT SHALL BE DE-  
 TERMINED BY THE FIELD ENGINEER. SUB-GRADE  
 TREATMENT MAY CONSIST OF LIME TREATMENT,  
 CEMENT TREATMENT, SUB-GRADE MODIFICA-  
 TION, OR ANY COMBINATION OF THESE.

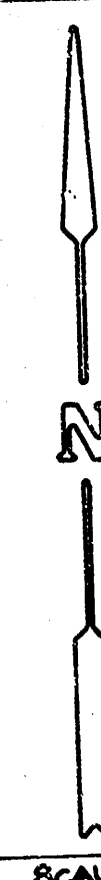
**CAMPUS AVE.**  
 E. L. PALISADE AVE. TO W. L. MIDLAND AVE.  
 34' FF - 2" A. C. W/ 6" BIT. BASE - COMB. C. & G.  
**CITY OF WICHITA, KS.**  
 R. W. LINN CITY ENGINEER  
 PROJ. NO. 472 76 245 80700 000 000 001  
 DATE: 5/10



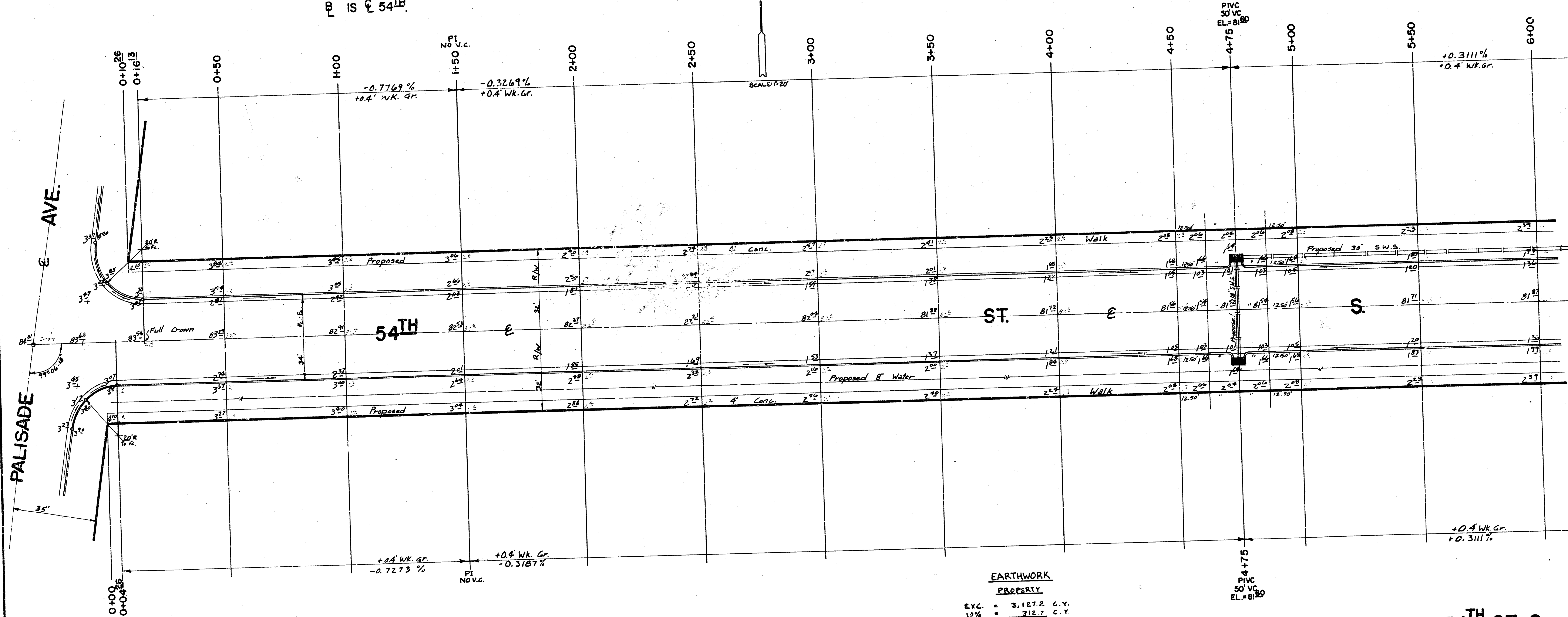


B.M. = 83.58 - CITY STD. BROADWAY & 55<sup>TH</sup> ST. S., 44' E. & 52' S.  
 C. 80TH.  
 B.M. = 81.36 - CITY STD. GOLD & 55<sup>TH</sup> ST. S., 45' W. & 48' N. OF  
 QUARTER SEC. COR.  
 B.M. = 83.59 - R.R. SPIKE S. SIDE P.P. N. SIDE 55<sup>TH</sup> ST. S. AT  
 INTERSECTION 55<sup>TH</sup> ST. S.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

P IS C 54<sup>TH</sup>.



SCALE 1"=20'



Storm Water Sewer Inlets To Be  
 Constructed By Others.

Paving Contractor To Coordinate  
 All Work With Sewer Contractors.

TYPE OF SURFACE TO BE SHOWN BY DE-  
 TAILING. ALL SURFACES TO BE GRADE  
 TO THE PROPOSED GRADE. CEMENT  
 CONCRETE SHALL BE USED FOR ALL  
 CURBS, SIDEWALKS, AND DRIVEWAYS.

#### EARTHWORK

##### PROPERTY

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

P.V.C.  
 50' V.C.  
 EL. = 81.80'

P.V.C.  
 50' V.C.  
 EL. = 81.80'

54<sup>TH</sup> 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: 3-7-79

8/10



