

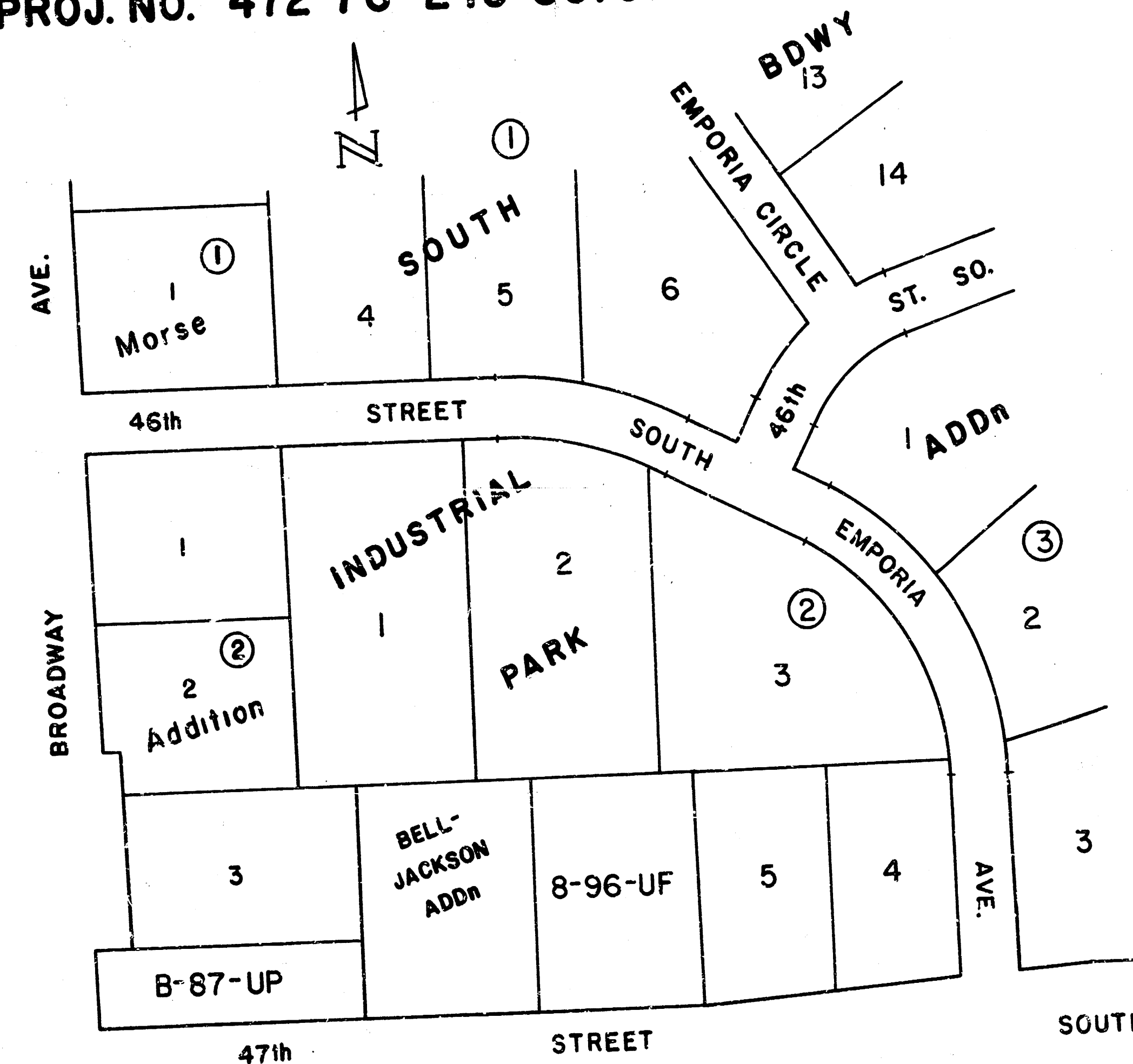
SOUTH BROADWAY INDUSTRIAL PARK ADDn
46th ST. SOUTH & EMPORIA AVE.
E.L. BROADWAY TO N.L. 47th ST. SOUTH
46th ST. SOUTH
E.L. EMPORIA TO W.L. LOT 14, BLK I,
SOUTH BROADWAY INDUSTRIAL PARK ADDn

CITY OF WICHITA, KANSAS

R.W. BRUGGEMAN DIRECTOR OF ENGINEERING / CITY ENGINEER

DATE:

PROJ. NO. 472 76 245 80757 000 000 001



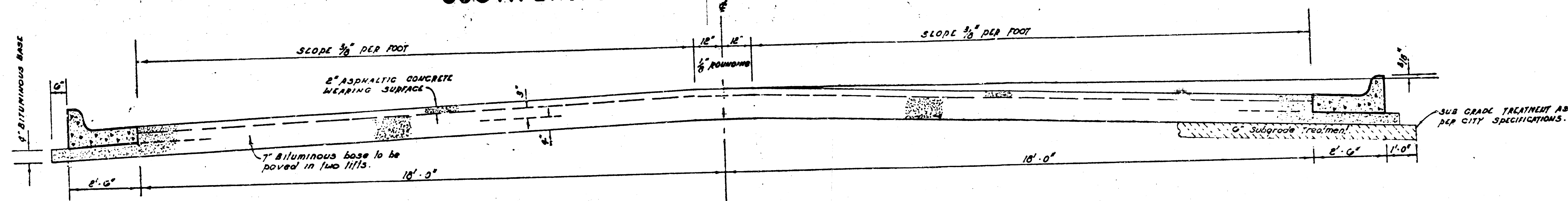
LOCATION MAP
SCALE: 1" = 150'



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SOUTH BROADWAY INDUSTRIAL PARK ADDn
46th ST SOUTH & EMPORIA AVE.
E. L. BROADWAY TO N.L. 47th ST. SOUTH
46th ST. SOUTH
E.L. EMPORIA TO W.L. LOT 14, BLK I,
SOUTH BROADWAY INDUSTRIAL PARK ADDn



The A.C. pavement between the curb & gutter shall be paid as 9" A.C. pavement (7" Bituminous Base). The Bituminous Base under the curb & gutter shall be paid as 9" Bituminous Base.

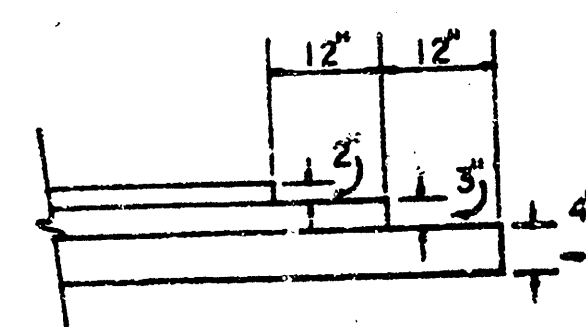
TYPICAL SECTION

4" ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

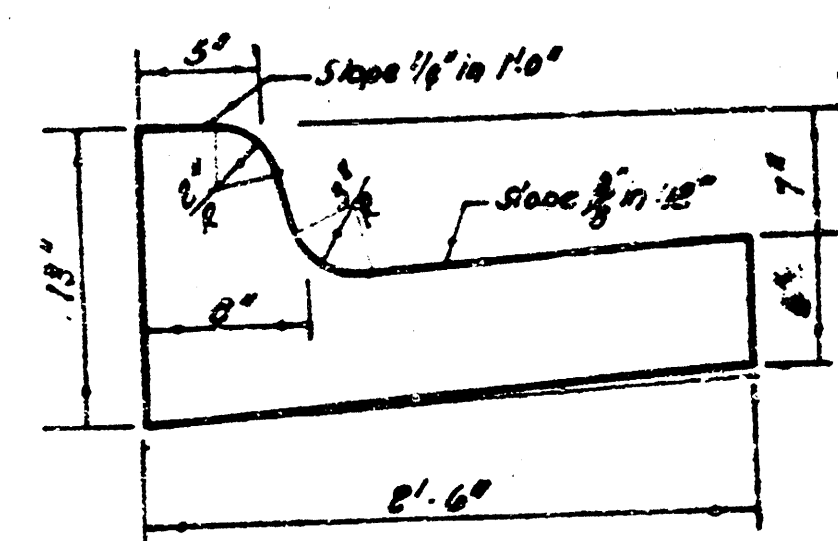
A TACK COAT OF EMULSIFIED ASPHALT (SS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE 0.03 GALLONS PER SQ. YD. BETWEEN LIFTS OF ASPHALTIC MATERIALS WHEN ORDERED BY THE ENGINEER. TACK COAT WILL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED AS SUBSIDIARY TO PRICE BID FOR ASPHALTIC PAVEMENT. BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR CROWN AND GRADE. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 1' WITH JOINTS IN PRECEDING LIFTS AND SUCH THAT A JOINT WILL BE CONSTRUCTED ON THE PAVEMENT CENTERLINE IN THE TOP LIFT.

DETAIL OF TRANSVERSE CONSTRUCTION JOINTS

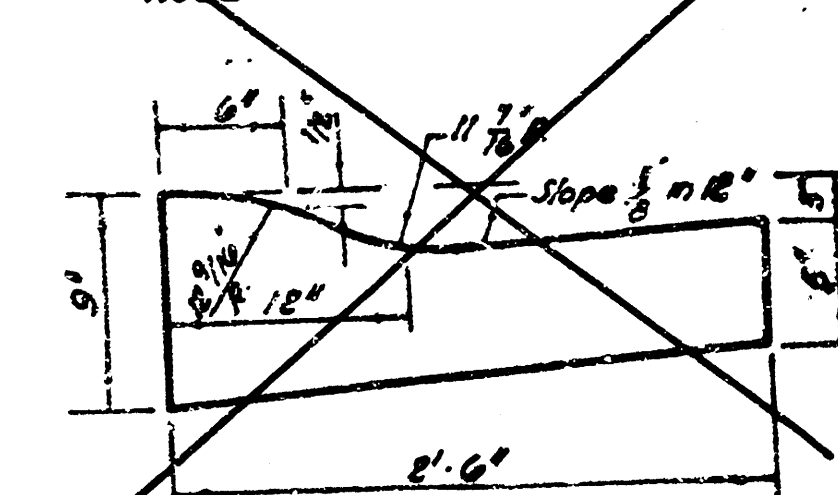
TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT TEMPORARILY ENDS TO FACILITATE FUTURE PAVEMENT CONSTRUCTION AS SHOWN BY DETAIL. THE COST OF CONSTRUCTING THE TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE MEASURED OR PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS OF ASPHALTIC CONCRETE PAVEMENT.



COMBINED CURB & GUTTER



ROLL TYPE CURB & GUTTER



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CITY OF WICHITA, KANSAS

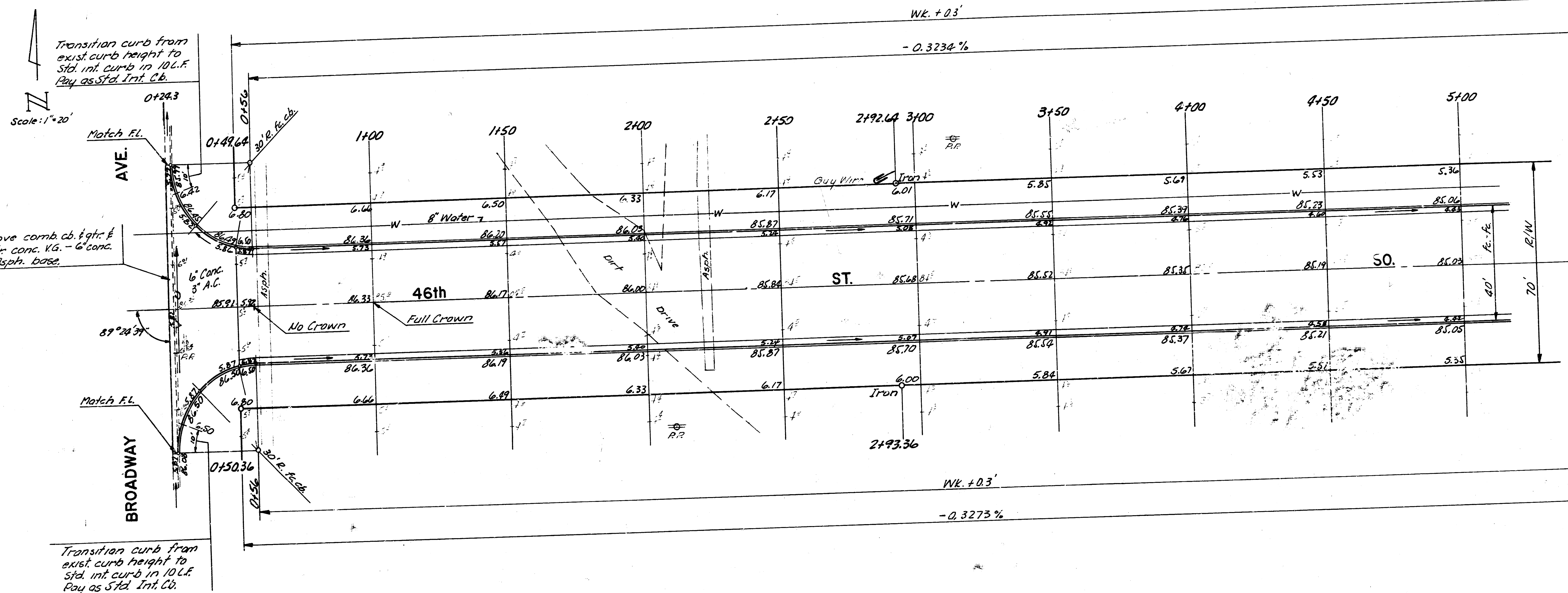
DEPARTMENT of PUBLIC WORKS - Engineering Division.

DATE _____
PROJ. NO. 472 76 245 80757 000 000 001

FILMED FROM THE BEST

B.M. 86.84 2" away from 47th St. So., City Sta. 28.3 E of Section Cor.
 B.M. 83.37 R.R. Spk. on E. face R.R. on E. Side Santa Fe Ave. by wire fence & near S.L. 46th St. So.
 B.M. 88.21 " on top of gas meter in front of house @ 4635 So. Broadway

NOTE: Prior to beginning construction,
 Contractor shall call: Stefbar Oil Corp.
 264-8378



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.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL 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.

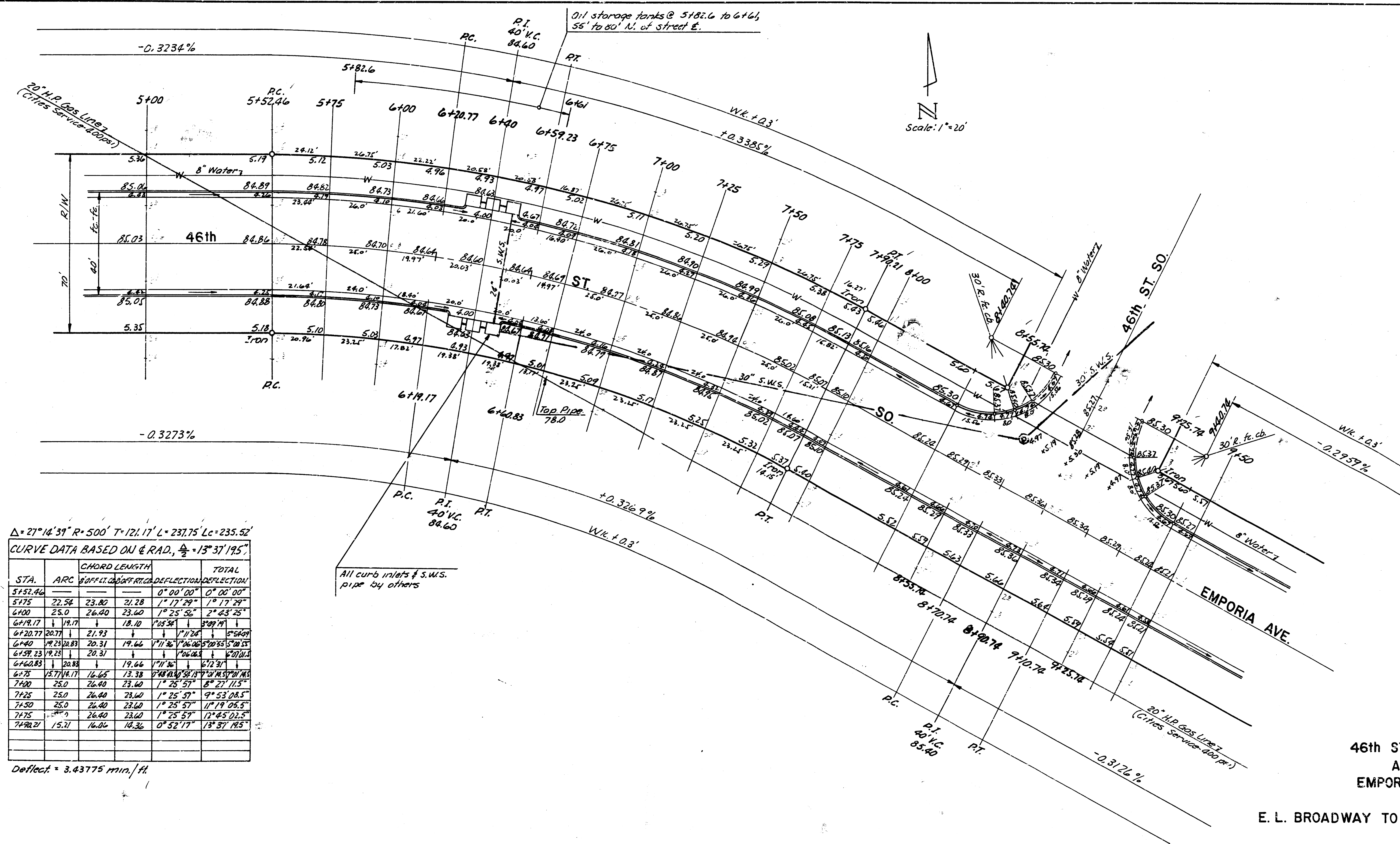
Borrow		Excavation		Compacted Fill	
Prop.	City	Prop.	City	Prop.	City
8130.0 C.Y.	3970.0 C.Y.	81.1 C.Y.	41.3 C.Y.	1714.5 C.Y.	215.7 C.Y.
		+10% 89.2 C.Y.	+10% 45.4 C.Y.	+10% 1886.0 C.Y.	+10% 237.3 C.Y.

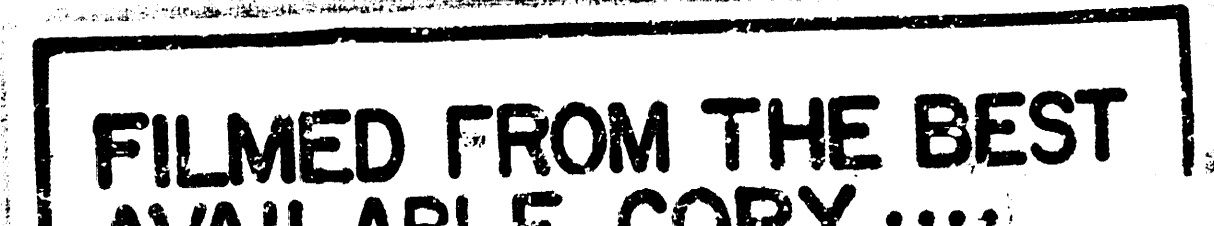
Total Manipulation = 3,720.2 S.Y.

46th ST. SOUTH
 AND
 EMPORIA AVE.
 E.L. BROADWAY TO N.L. 47th ST. SOUTH

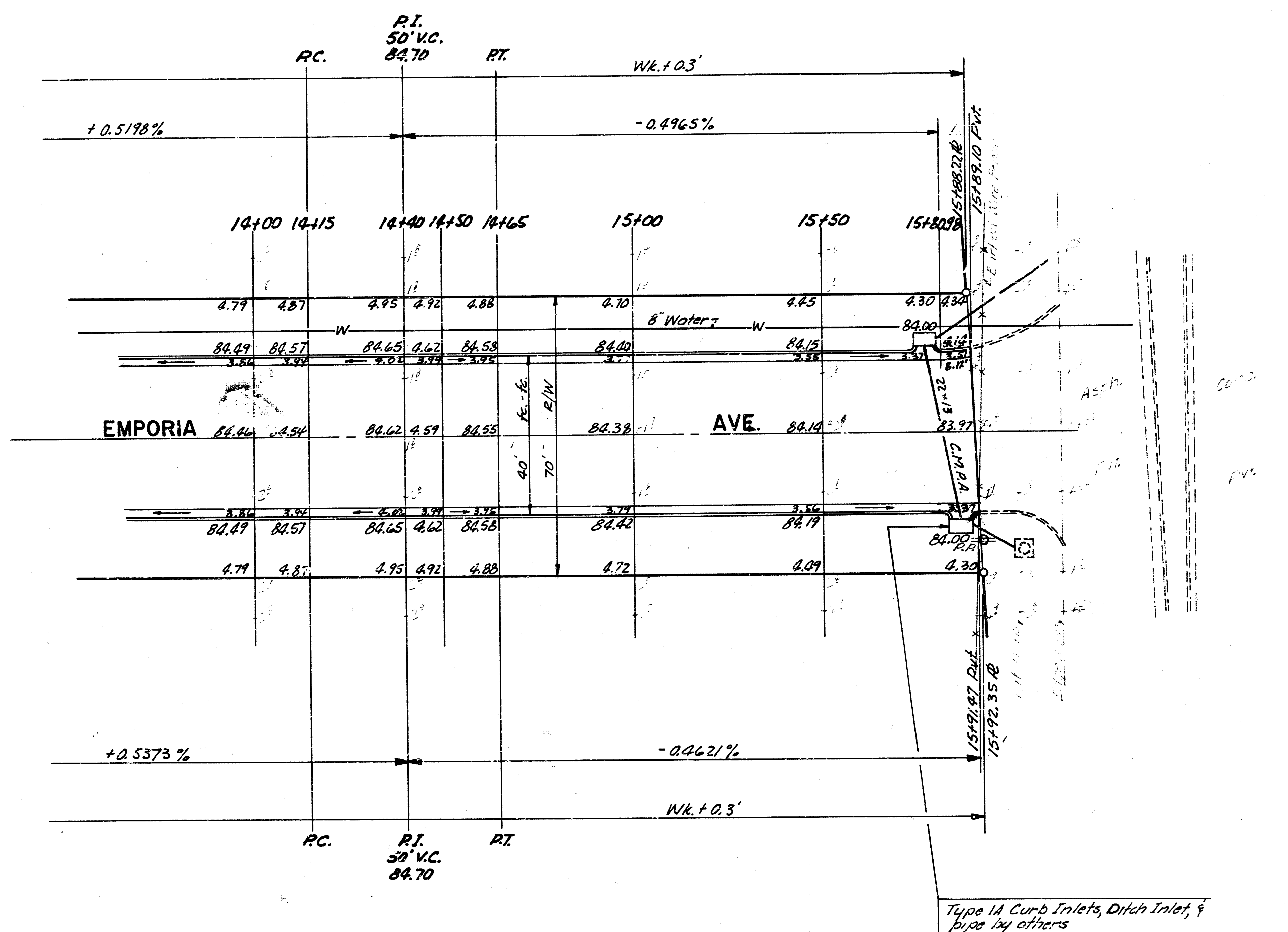
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Scale: 1" = 20'



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46th ST. SOUTH
AND
EMPORIA AVE.

E. L. BROADWAY TO N. L. 47th ST. SOUTH

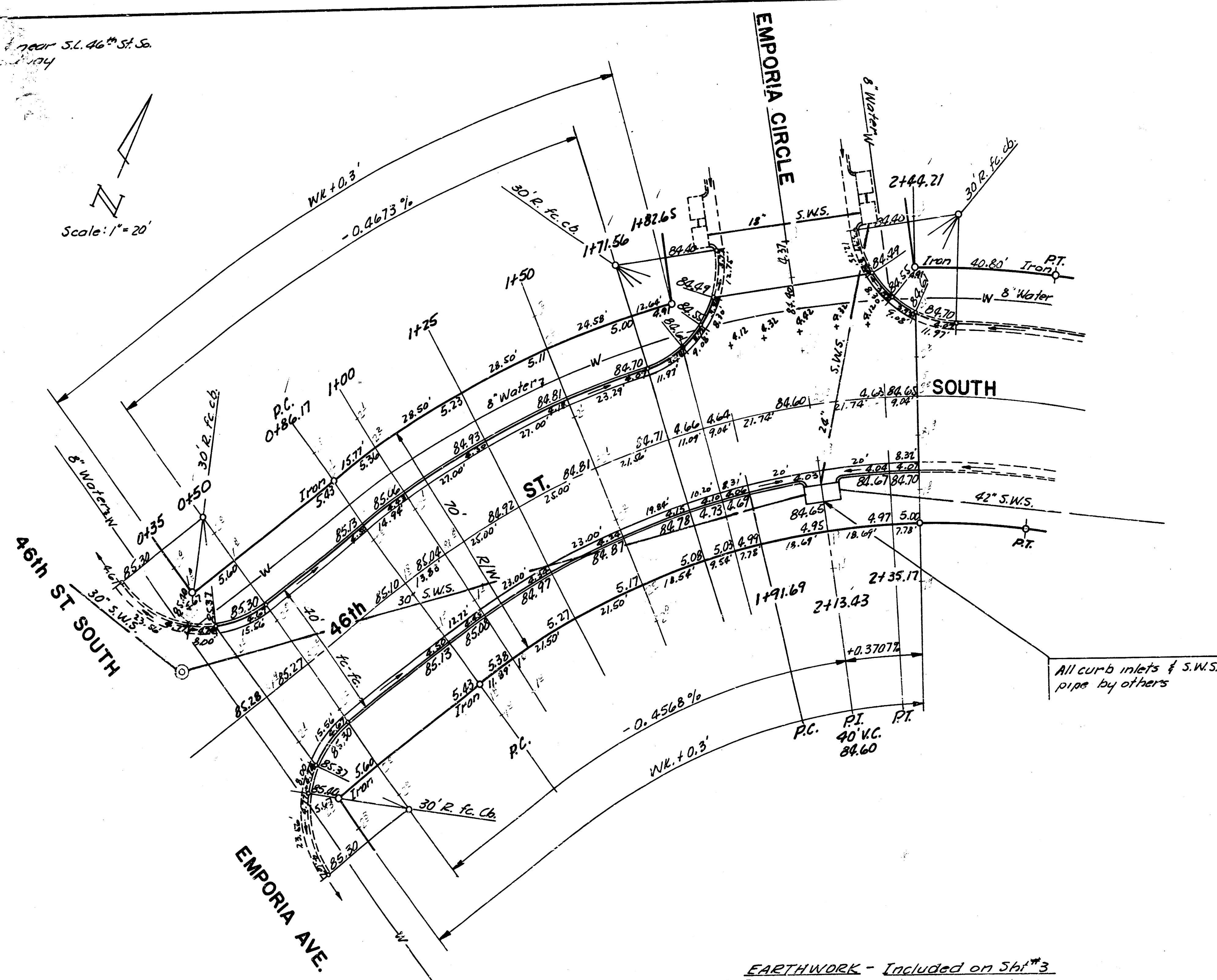
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B.M. 86.84 Broadway & 4th St. So. City St. 28'E & 283'41" of Section
 B.M. 83.37 R.R. Spk. on E. face RR on E. Side Santa Fe Ave. by wire & near S.L. 46th St. So.
 B.M. 88.21 "r" on top of gas meter in front of house @ 4635 So. Broadway

Scale: 1" = 20'



$\Delta=36^{\circ}13'12''$ $R=250'$ $T=81.76'$ $L=158.04'$ $LC=155.42'$
 CURVE DATA BASED ON θ RAD. $\frac{\Delta}{2}=18^{\circ}06'36''$

STA.	ARC	CHORD LENGTH	DEFLECTION	TOTAL
0+00.00	0.00	0.00	0° 00' 00"	0° 00' 00"
1+00	13.83	15.38	12.28	1° 35' 05"
1+25	26.0	27.79	22.19	2° 51' 53"
1+50	25.0	27.79	22.19	2° 51' 53"
1+71.56	21.56	23.97	19.16	2° 28' 14"
1+82.65	11.09	12.33	9.85	1° 16' 15"
1+91.69	9.08	9.08	8.08	1° 02' 10"
2+13.93	30.29	36.21	19.30	3° 38' 24"
2+35.17	22.74	22.74	19.30	2° 59' 51"
2+44.21	20.28	34.21	8.03	3° 31' 30"

Deflect = 6.87552 min./ft.

Survey M.A.C.
 Plan D.E.C.
 Exc
 Checked

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

EARTHWORK - Included on Sheet 3

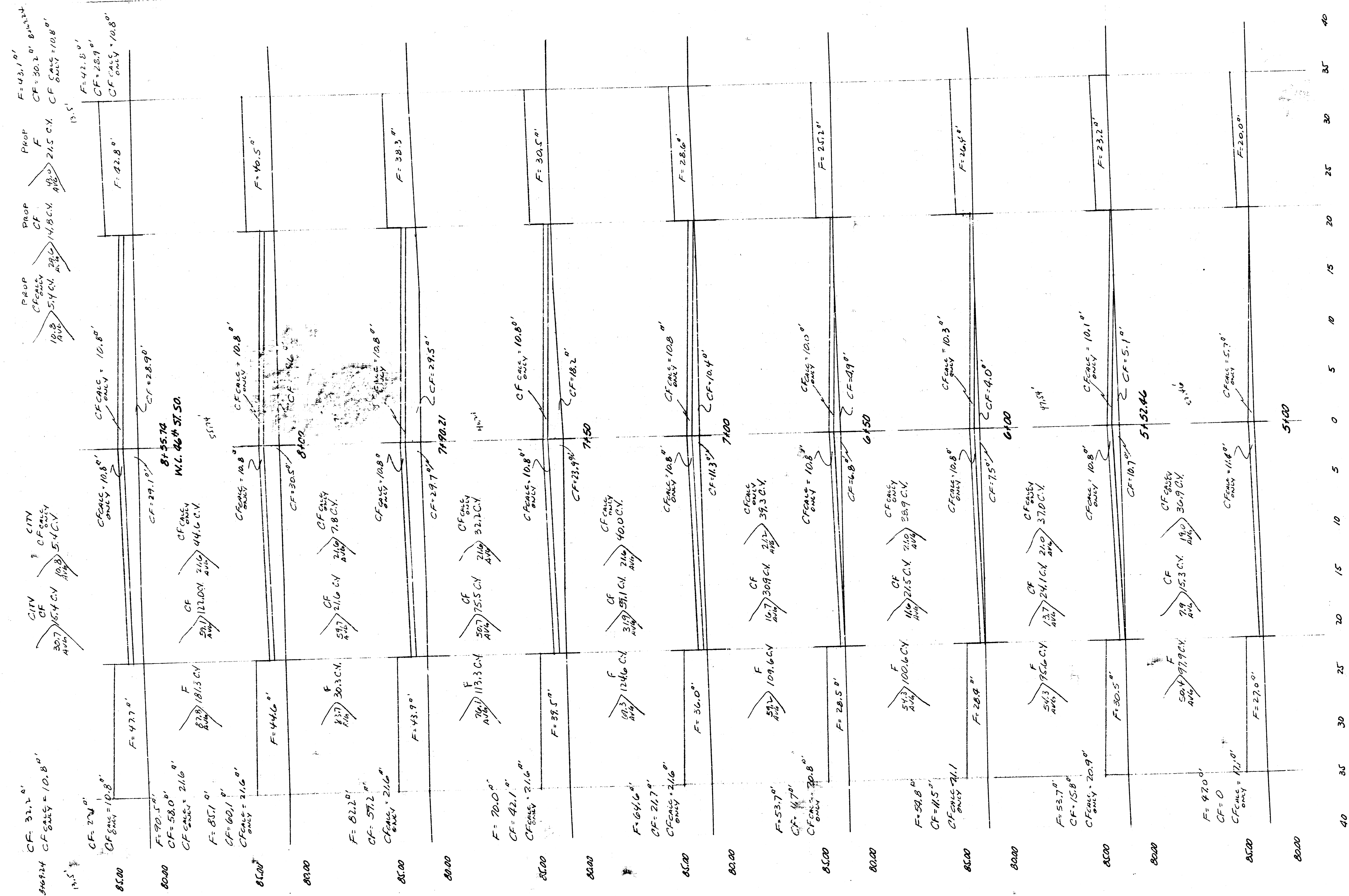
46th ST. SOUTH

E.L. EMPORIA AVE. TO W.L. LOT 14, BLK. 1,
 SOUTH BROADWAY INDUSTRIAL PARK

PROJ. NO. 47276 245 80757 000 000 001

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EARTHWORK - THIS SHEET -

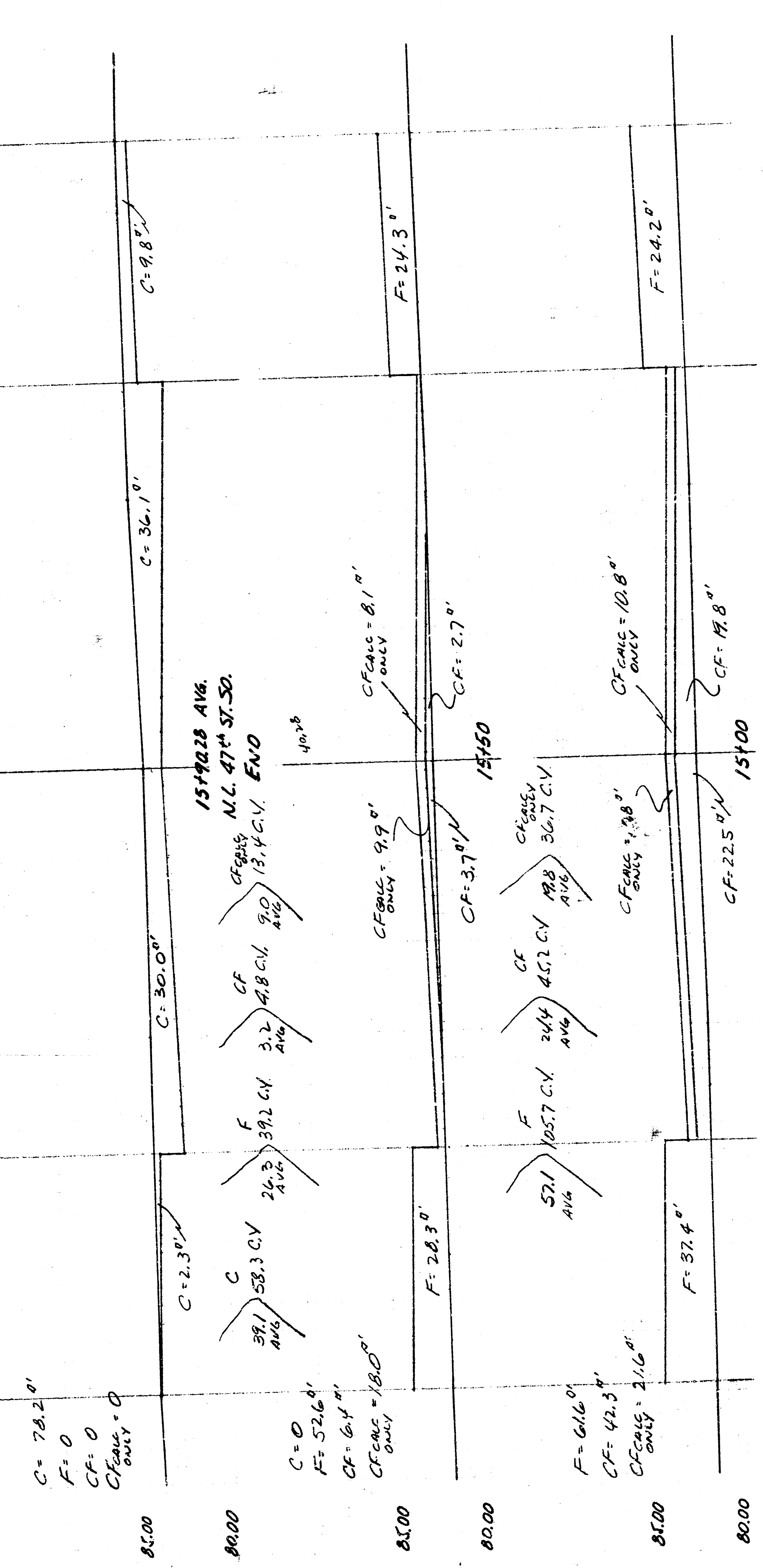
EXCAV	FILL	CF	CF ONLY
0	PROP 874.7 CY	PROP 384.8 CY	PROP 232.1 CY
CITY 0	CITY 15.4 CY	CITY 15.4 CY	CITY 5.4 CY

46th ST. SOUTH
AND
EMPORIA AVE.
E. L. BROADWAY TO N. L. 47th ST. SOUTH

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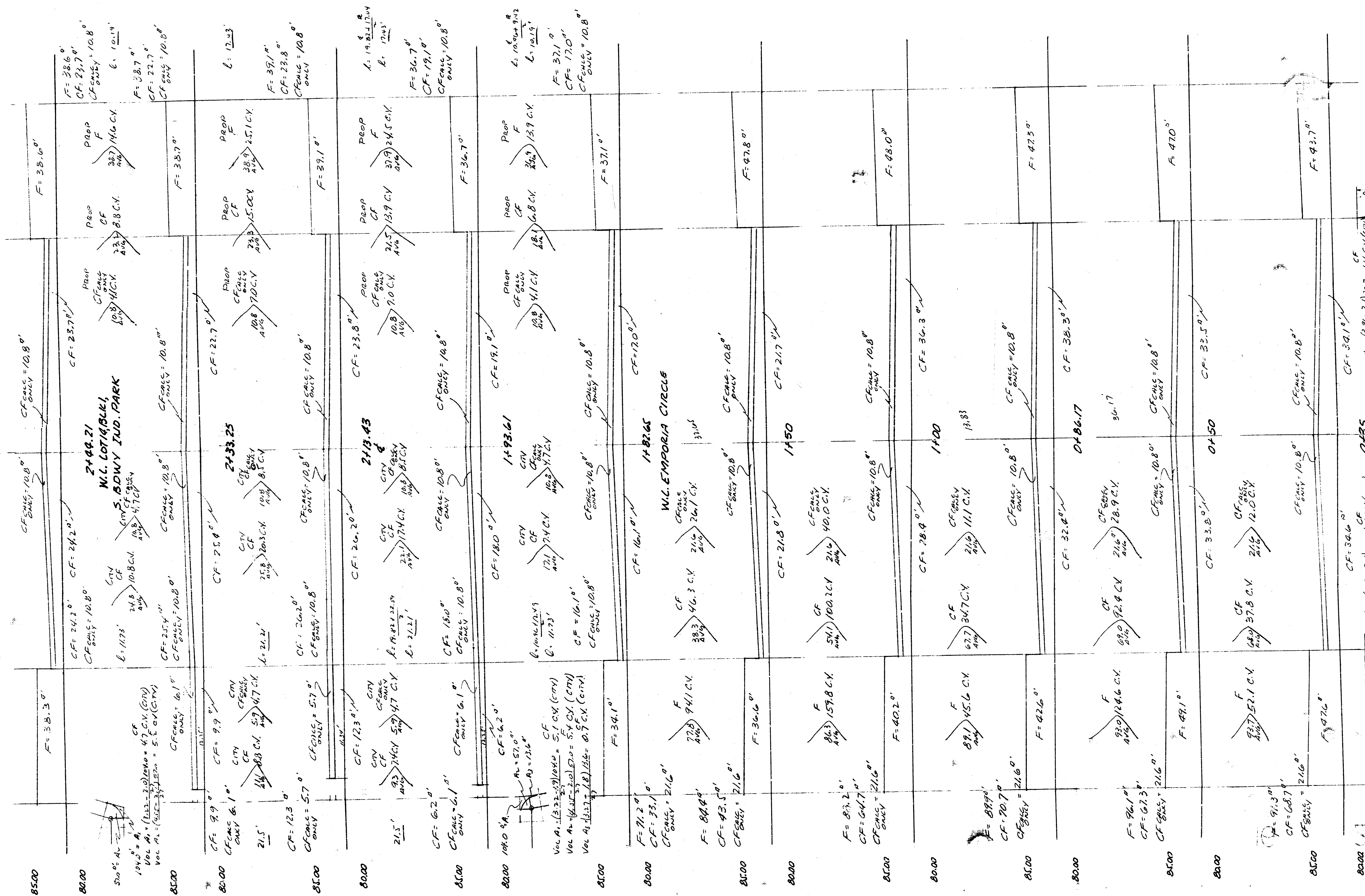


40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40

EXCAV 58.3 C.V. 1449 C.V. PROP 500 C.V. PREP 50.1 C.V.
 FILL 1449 C.V. PROP 500 C.V. PREP 50.1 C.V.
 EARTHWORK - THIS SHEET

46th ST. SOUTH
 AND
 EMPORIA AVE.
 E.L. BROADWAY TO N.L. 47th ST. SOUTH
 PROJ. NO. 472 76 245 80757 000 000 001
 12/3

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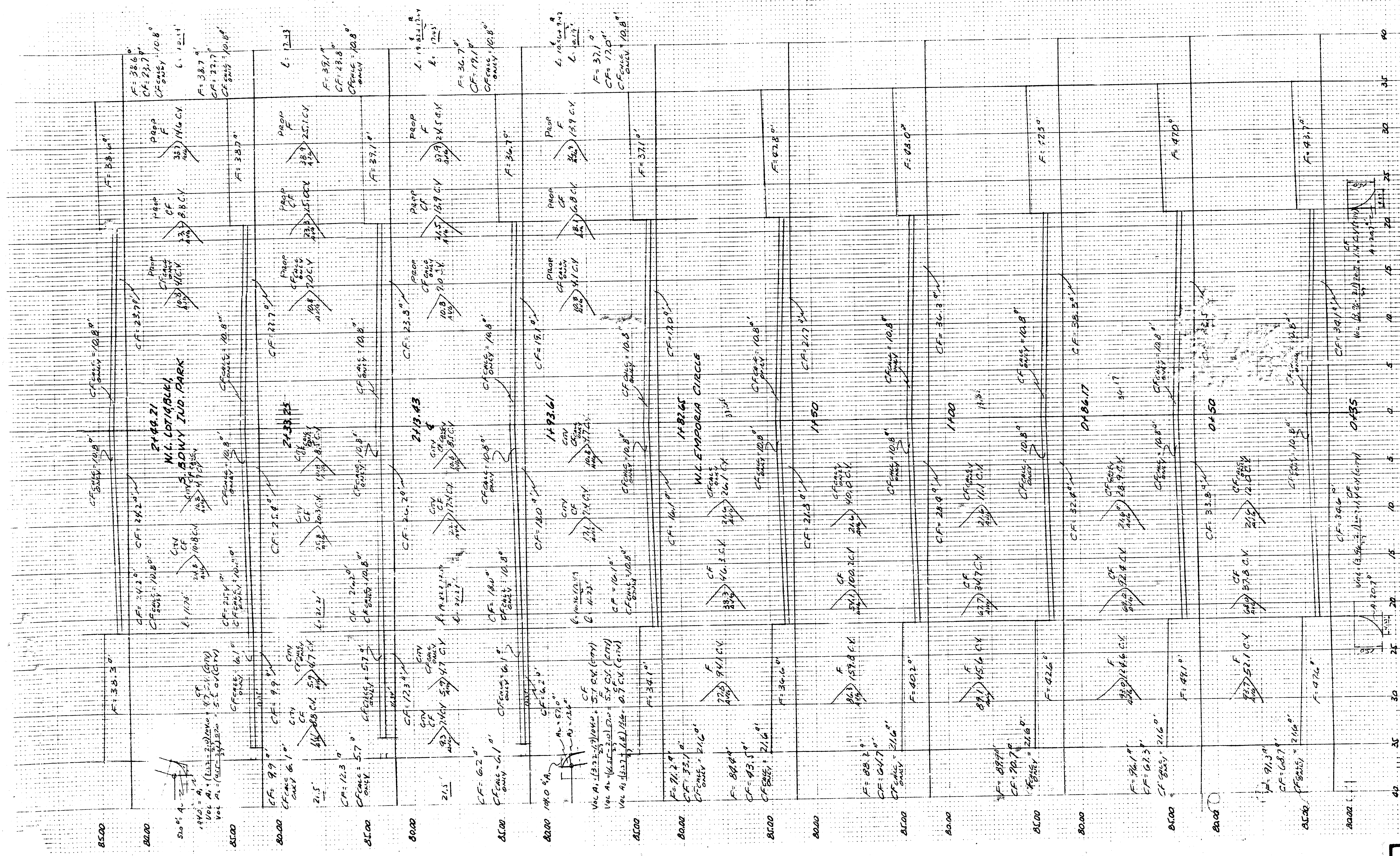
40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40

PROJ. NO. 472.76 245 80757 000.000 001

46th ST. SOUTH
E.L. EMPORIA AVE. TO
W.L. LOT 14, BLK. 1,
SOUTH BROADWAY
INDUSTRIAL PARK

13/13

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46th ST. SOUTH
E.L. EMPORIA AVE. TO
W.L. LOT 14, BLK. 1,
SOUTH BROADWAY
INDUSTRIAL PARK

PROJ. NO. 472.76 245 80757 000.000.001

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