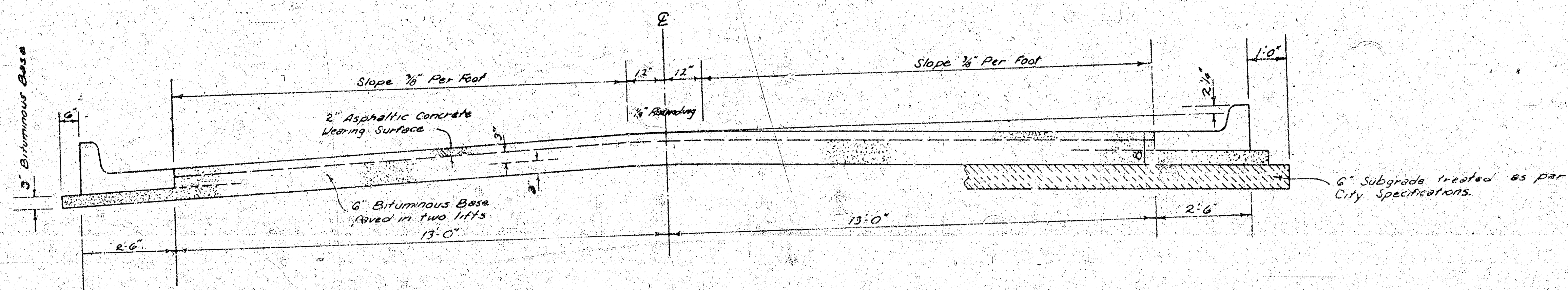


**FRIAR LANE**  
W.L. Sherwood Glen 4th Add'n.-E.L. Lot 1, Blk. 3, Sherwood Glen 4th Add'n.  
**LITCHFIELD**  
W.L. Sullivan-S.L. Friar  
**SULLIVAN**  
N.L. 37th St. No.-S.L. Friar Ln.  
472-76-245-80420-000-000-001

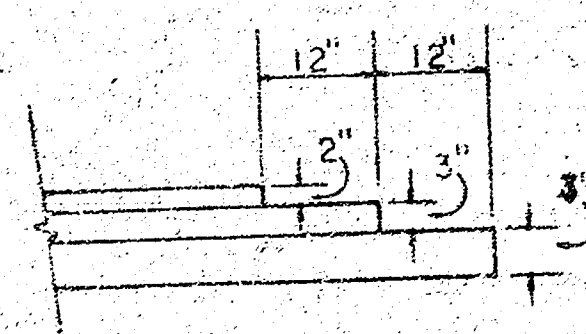


**TYPICAL SECTION**

**31' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE**

A TACK COAT OF EMULSIFIED ASPHALT (SS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 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 ELECTRONIC 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.

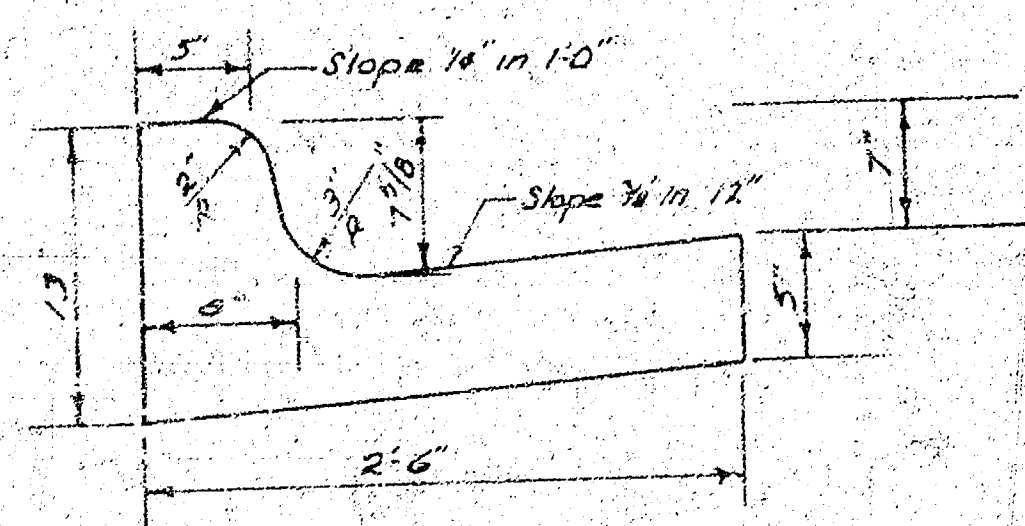
**DETAIL OF TRANSVERSE CONSTRUCTION JOINTS**



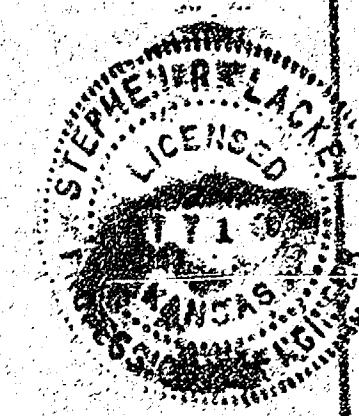
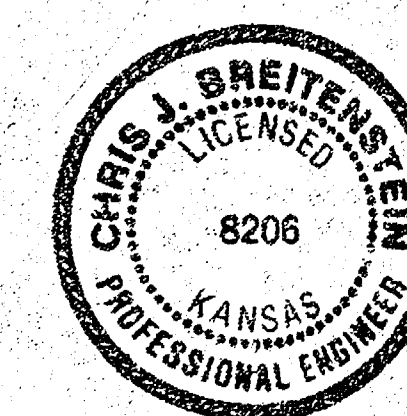
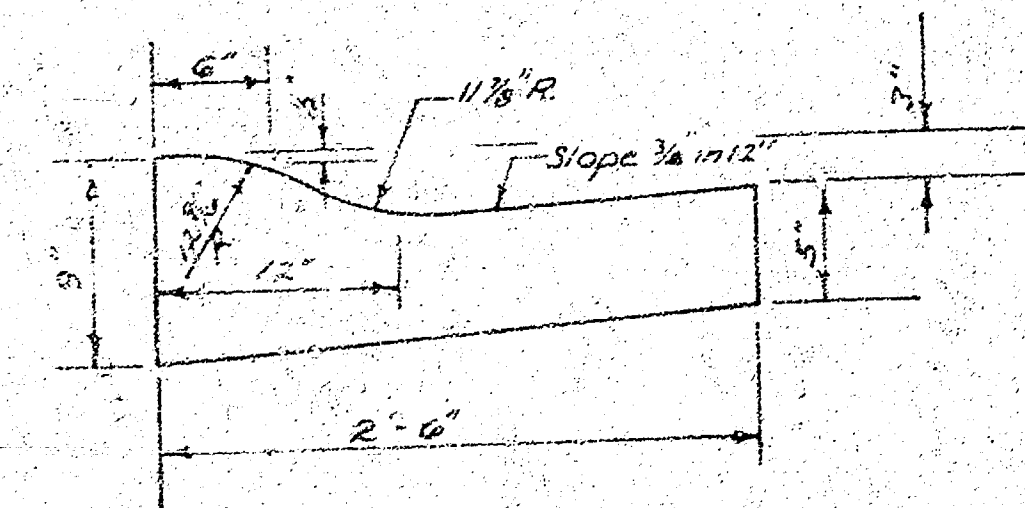
TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT TEMPORARILY ENDS TO FACILITATE FUTURE PAVEMENT CONSTRUCTION AS SHOWN BY DETAIL. THE COST OF CONSTRUCTING THE TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE MEASURED OR PAID OF DIRECTLY BUT SHALL BE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

The A.C. pavement between the Comb. Curb & gutter shall be paid as Sec. 165. B\* A.C. Pavement (6 Bituminous Base). The Bituminous Base under the Comb. Curb & gutter shall be paid as Sec. 165. 3\* Bituminous Base.

**COMBINED CURB & GUTTER**



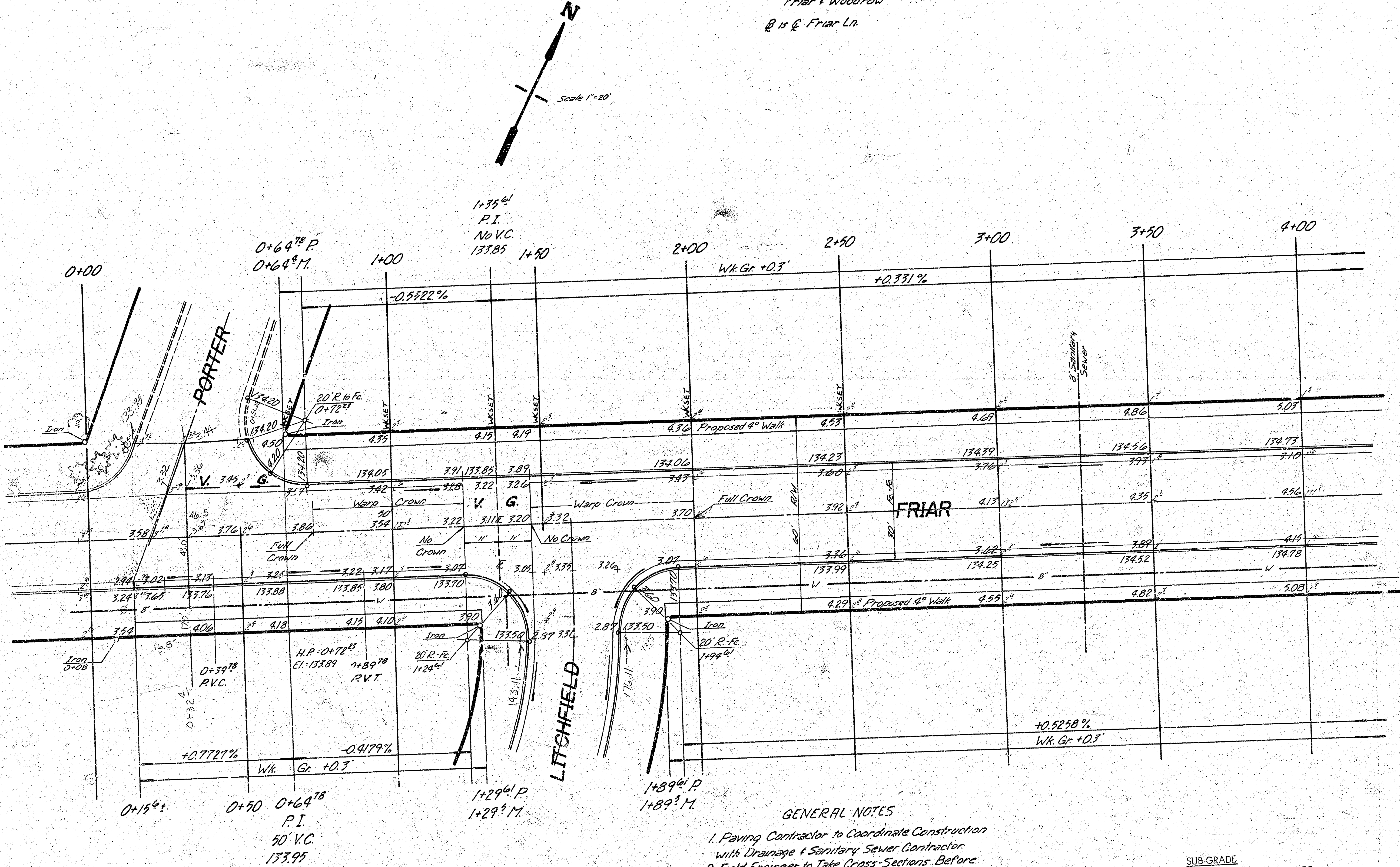
**ROLL TYPE CURB & GUTTER**



**CITY OF WICHITA, KANSAS**  
DEPARTMENT OF PUBLIC WORKS — ENGINEERING  
R. W. LINN CITY ENGINEER  
DATE \_\_\_\_\_ PROJ. NO. \_\_\_\_\_

**FILMED FROM THE BEST AVAILABLE COPY.....**

Survey Roberts  
Breitenstein



## GENERAL NOTES

1. *Paving Contractor to Coordinate Construction with Drainage & Sanitary Sewer Contractors.*
2. *Field Engineer to Take Cross-Sections Before Beginning Construction.*
3. *Earthwork Quantities are for Bidding Only.*
4. *Earthwork Pay Quantities are to be Calculated at Time of Final Estimate.*
5. *Contractor to Contact Utility Companies for Location of Underground Lines.*
6. *Flared End Sections to be Paid as L.F. 18" R.C.P.*
7. *No More than 20' Drives or the Equivalent can be Constructed on this Project.*
8. *Field Engineer to Return Cross-Section Book to Office Before Beginning Construction.*

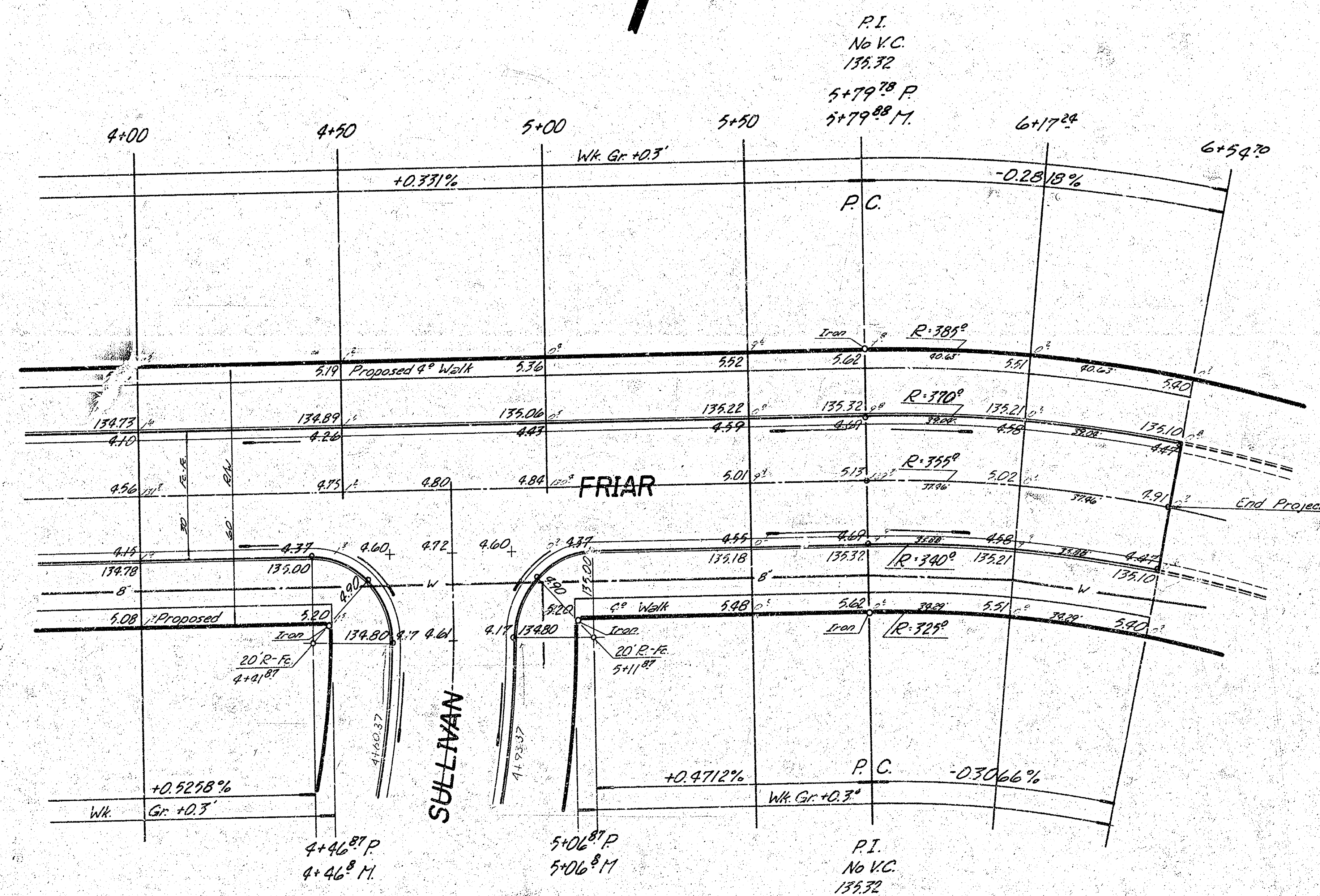
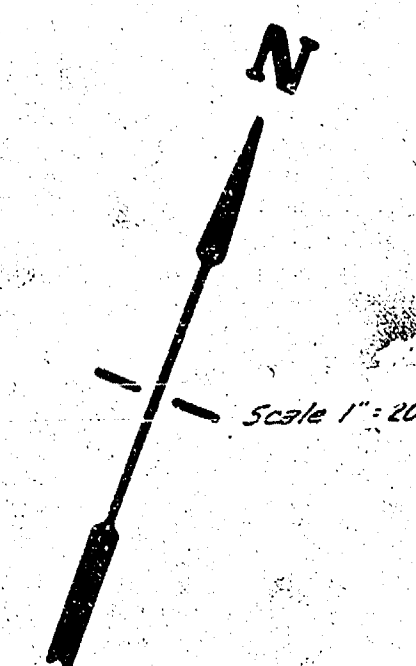
SUB-GRADE

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.

FRIAR LANE  
W.L. Sherwood Glen 4<sup>th</sup> Add'n-  
E.L. Lot 1, Blk 3, Sherwood Glen 4<sup>th</sup> Add'n 2

FILMED FROM THE BEST  
AVAILABLE COPY .....

B.M. 133.77 "D" West End Return N.W. Corner  
 Friar & Porter N.  
 @ 15 E. Friar



$\Delta = 120.570^\circ = 355.00' = 37.60' L = 74.92' LC = 74.70'$

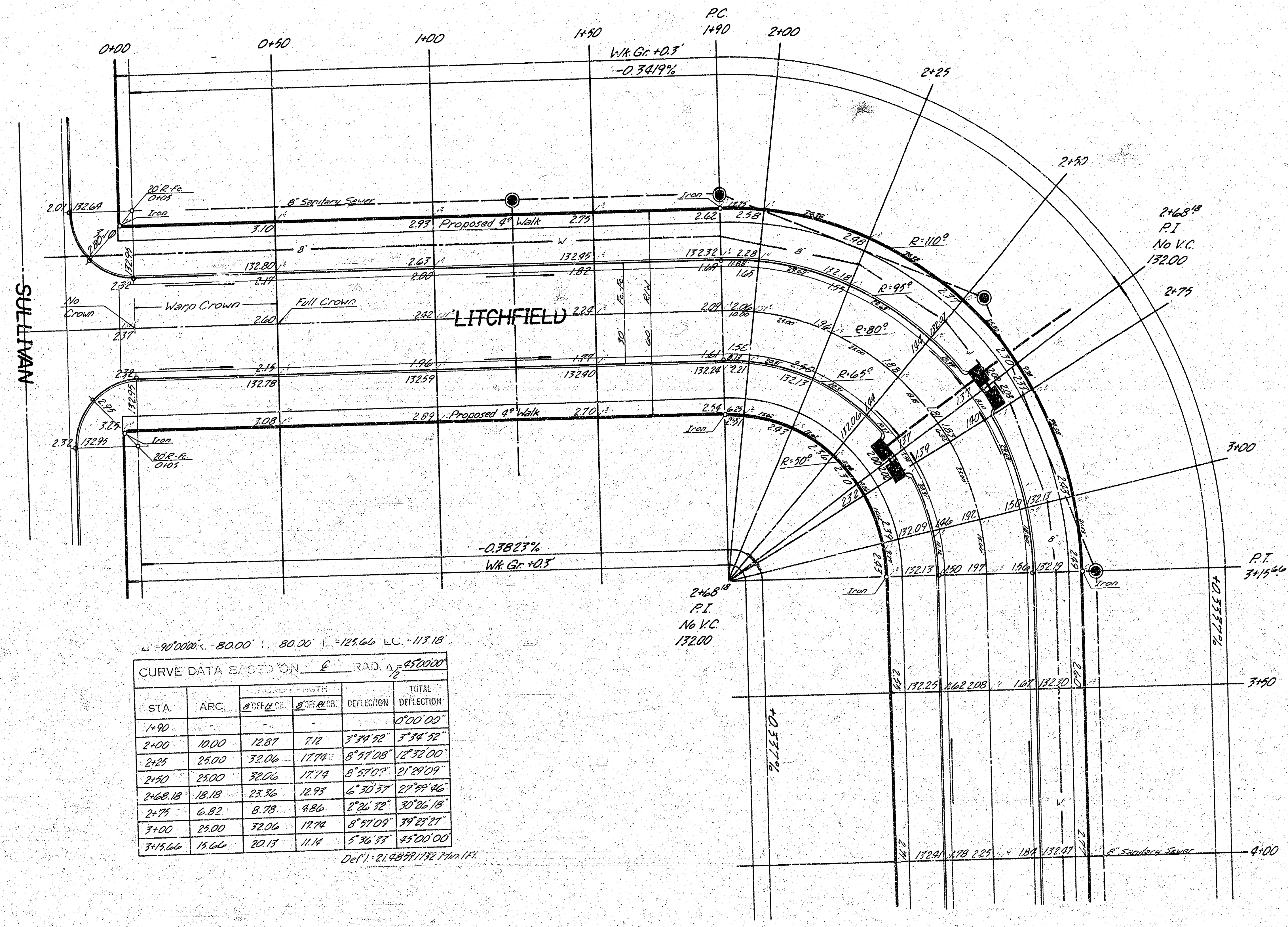
CURVE DATA BASED ON  $E = 602.45'$

| STA     | ARC   | CHORD | CHORD BEARING | DEFLECTION | TOTAL DEFLECTION |
|---------|-------|-------|---------------|------------|------------------|
| 5+79.78 | -     | -     | -             | -          | 0°00'00"         |
| 6+17.84 | 37.66 | 39.87 | 35.02         | 3°01'28"   | 3°01'28"         |
| 6+54.70 | 37.66 | 39.87 | 35.02         | 3°01'28"   | 6°02'56"         |

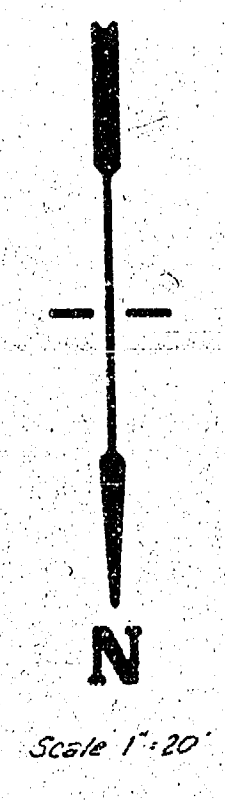
Def. = 9.80189686 Mm (FR)

FRIAR LANE  
 W.L. Sherwood Glen 4<sup>th</sup> Add'n.  
 E.L. Lot 4, Blk. 3, Sherwood Glen 4<sup>th</sup> Add'n.

B.M. 131.97 R.R. Spike N.S. Power Pole 63' W. &  
 38' S. of E. Sullivan & 37th St. No.  
 @ 15 E. Litchfield



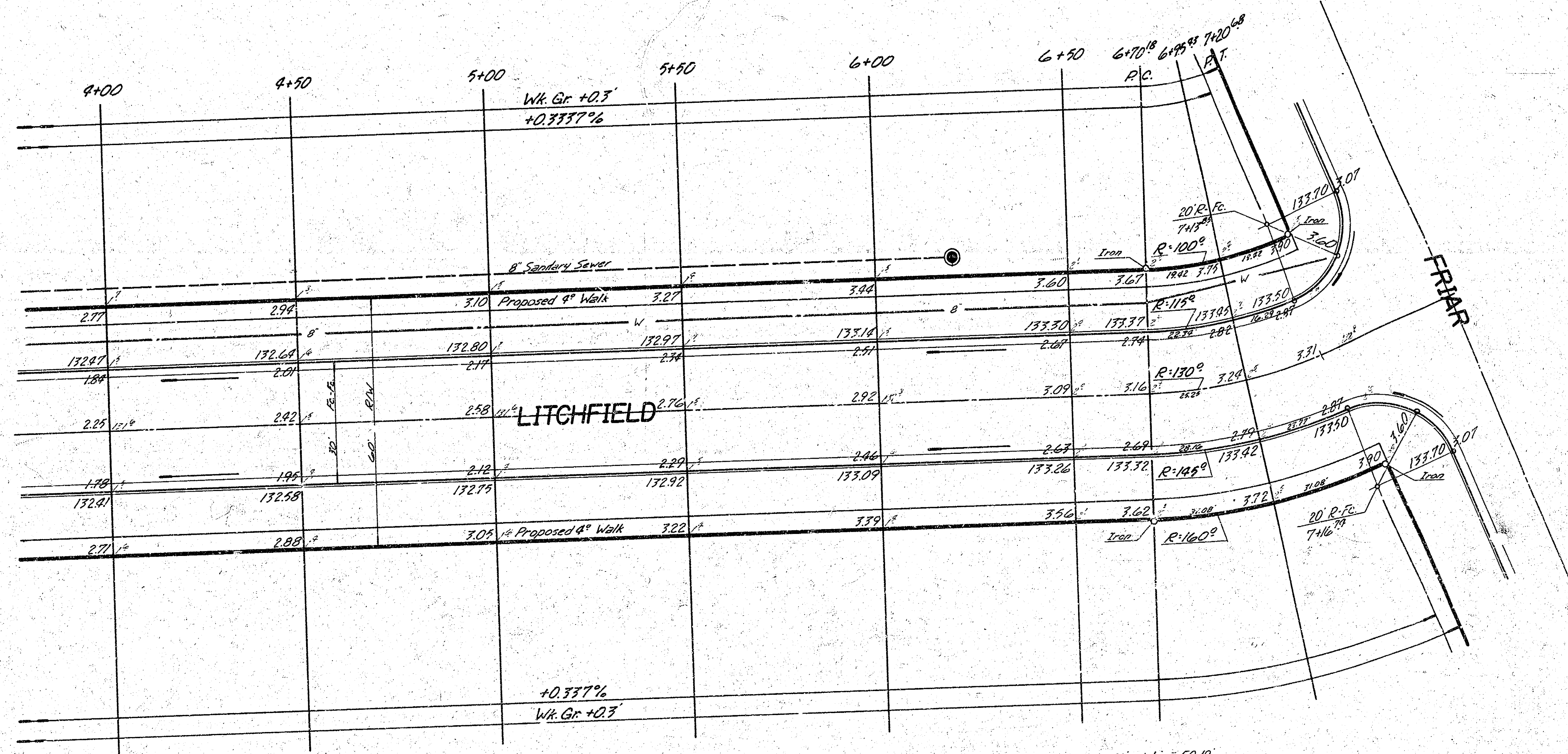
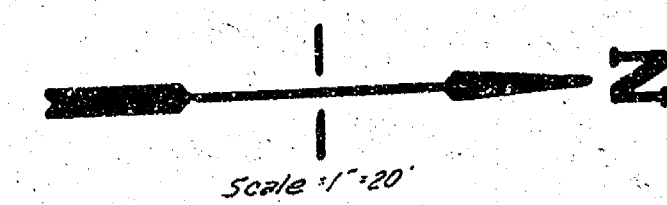
90'00\"/>



LITCHFIELD  
 W.L. Sullivan-S.L. Frar

FILMED FROM THE BEST  
 AVAILABLE COPY.....

B.M. 133.77 'B' West end Return N.W. Corner  
 Friar & Porter North  
 B is E Litchfield



$\Delta = 20'18.30'' R = 120.00' T = 25.81' L = 50.90' LC = 50.19'$

CURVE DATA BASED ON  $\Delta = 11'01'45''$

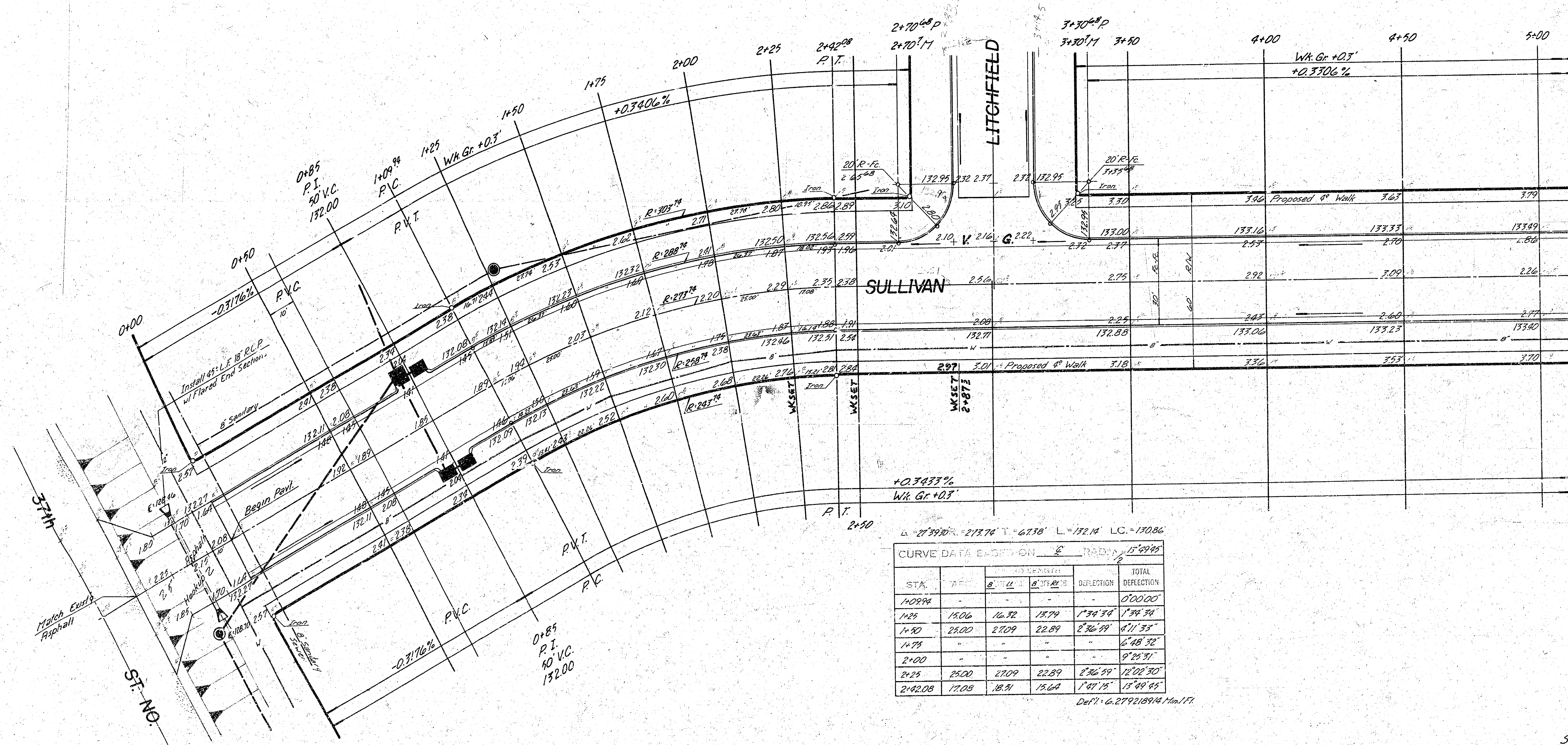
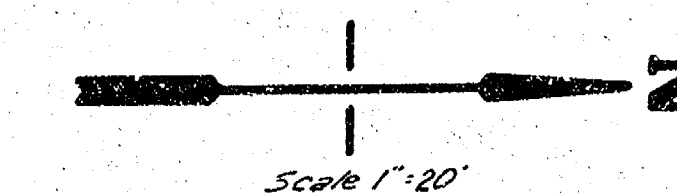
| STA.    | ARC.  | CHORD LENGTH | DEFLECTION | TOTAL DEFLECTION |
|---------|-------|--------------|------------|------------------|
|         |       | CHORD CB     | DEF. CB    |                  |
| 6+70.18 |       |              |            |                  |
| 6+94.83 | 24.23 | 20.78        | 29.67      | 5'53" 51"        |
| 7+13.89 | 18.42 | 15.15        | 21.66      | 8'03" 30"        |
| 7+46.74 | 2.87  | 2.38         | 3.80       | 10'15" 37"       |
| 7+22.68 | 3.94  | 3.24         | 4.64       | 0'52" 08"        |

Def'n = 15.22210276 Min 11.71

LITCHFIELD  
 W.L. Sullivan - S.L. Friar

FILMED FROM THE BEST  
 AVAILABLE COPY .....

3.11 131.97 R.R. Spike N Side Power Pole  
63° W. 138° S. of E 37th St. No. 1  
Sullivan  
B 15 E Sullivan



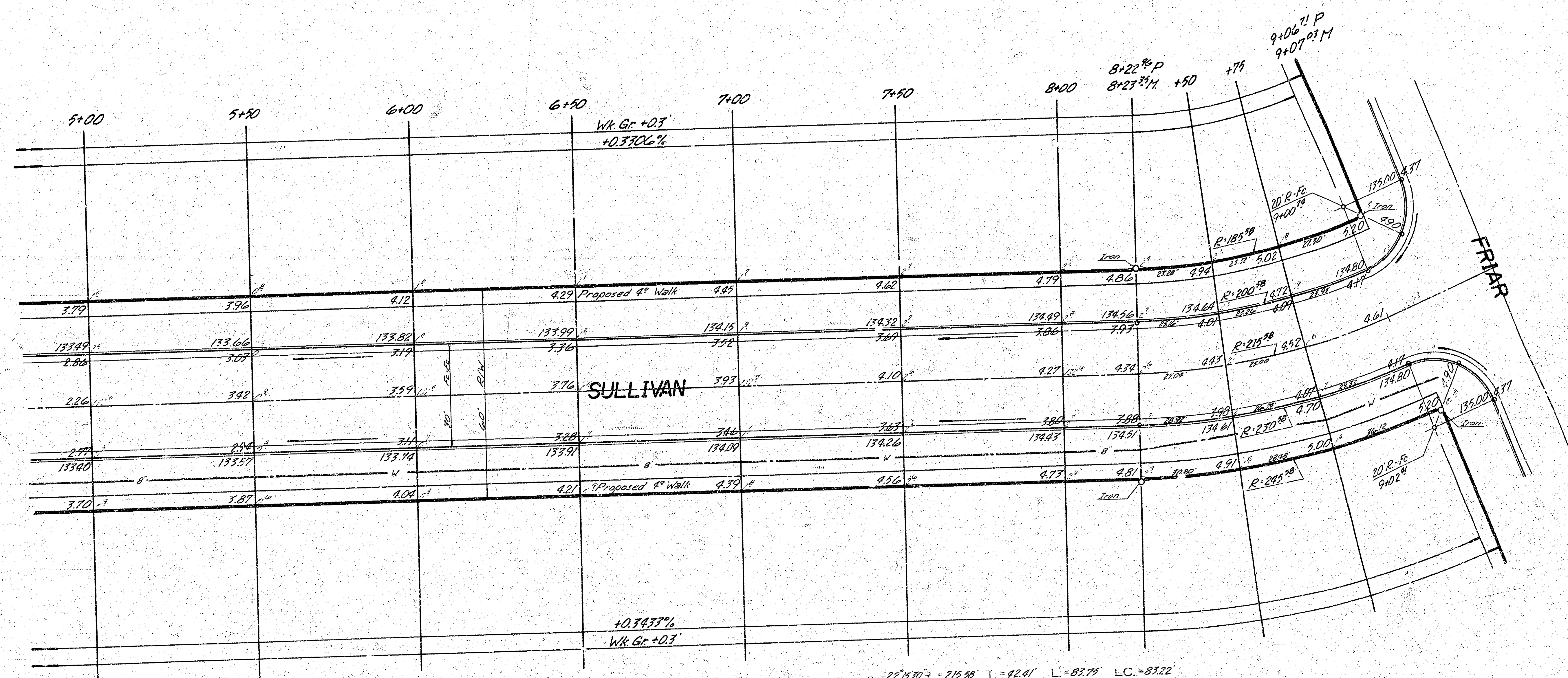
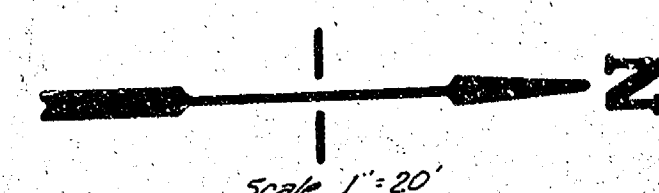
Curve Data Extension

| STA.    | VERT. | CHORD | CHORD BEARING | DEFLECTION | TOTAL DEFLECTION |
|---------|-------|-------|---------------|------------|------------------|
| 1+09.94 | -     | -     | -             | -          | 0000.00          |
| 1+25    | 15.06 | 16.92 | 15.79         | 1° 34' 34" | 1° 34' 34"       |
| 1+50    | 25.00 | 27.09 | 22.89         | 2° 36' 39" | 4° 11' 33"       |
| 1+75    | -     | -     | -             | -          | 6° 48' 32"       |
| 2+00    | -     | -     | -             | -          | 9° 25' 31"       |
| 2+25    | 25.00 | 27.09 | 22.89         | 2° 36' 39" | 12° 02' 30"      |
| 2+42.08 | 17.05 | 18.91 | 15.64         | 1° 47' 15" | 13° 49' 45"      |

Def'n: 6.279218914, 144.171

SULLIVAN  
N.L. 37th St. No. 51. Friar

B.M. 133.71 'B' W. End Return N. W. Corner  
 Friar & Porter No.  
 R. L. Sullivan



22°50'2" = 215.98' T = 42.41' L = 83.75' LC = 83.22'

| CURVE DATA BASED ON $\frac{1}{2}$ RAD. $\Delta$ 11°01'45" |       |       |              |                  |
|-----------------------------------------------------------|-------|-------|--------------|------------------|
| STA.                                                      | ARC   | CHORD | CHORD BEHIND | TOTAL DEFLECTION |
| 8+22.96                                                   | -     | -     | -            | 0°00'00"         |
| 8+50                                                      | 27.03 | 24.14 | 29.90        | 5°35'36"         |
| 8+75                                                      | 25.00 | 22.32 | 28.65        | 5°19'20"         |
| 9+00.74                                                   | 25.74 | 22.98 | 29.47        | 5°25'14"         |
| 9+02.41                                                   | 1.67  | 1.69  | 1.69         | 0°15'18"         |
| 9+06.71                                                   | 4.30  | 3.84  | 4.76         | 0°34'17"         |

DATA: 1973250698 H.M. 1/1

SULLIVAN  
 N. L. 37th St. No. 5. L. Friar