

STREET IMPROVEMENTS FOR

**POPLAR STREET**

S.L. LOT 2, TO N.L. LOT 1, BLK. A,

**36TH ST. NORTH CIRCLE**

E.L. POPLAR TO & INCL. THE CUL-DE-SAC

NORTHRIDGE INDUSTRIAL PARK ADDITION

INDEX

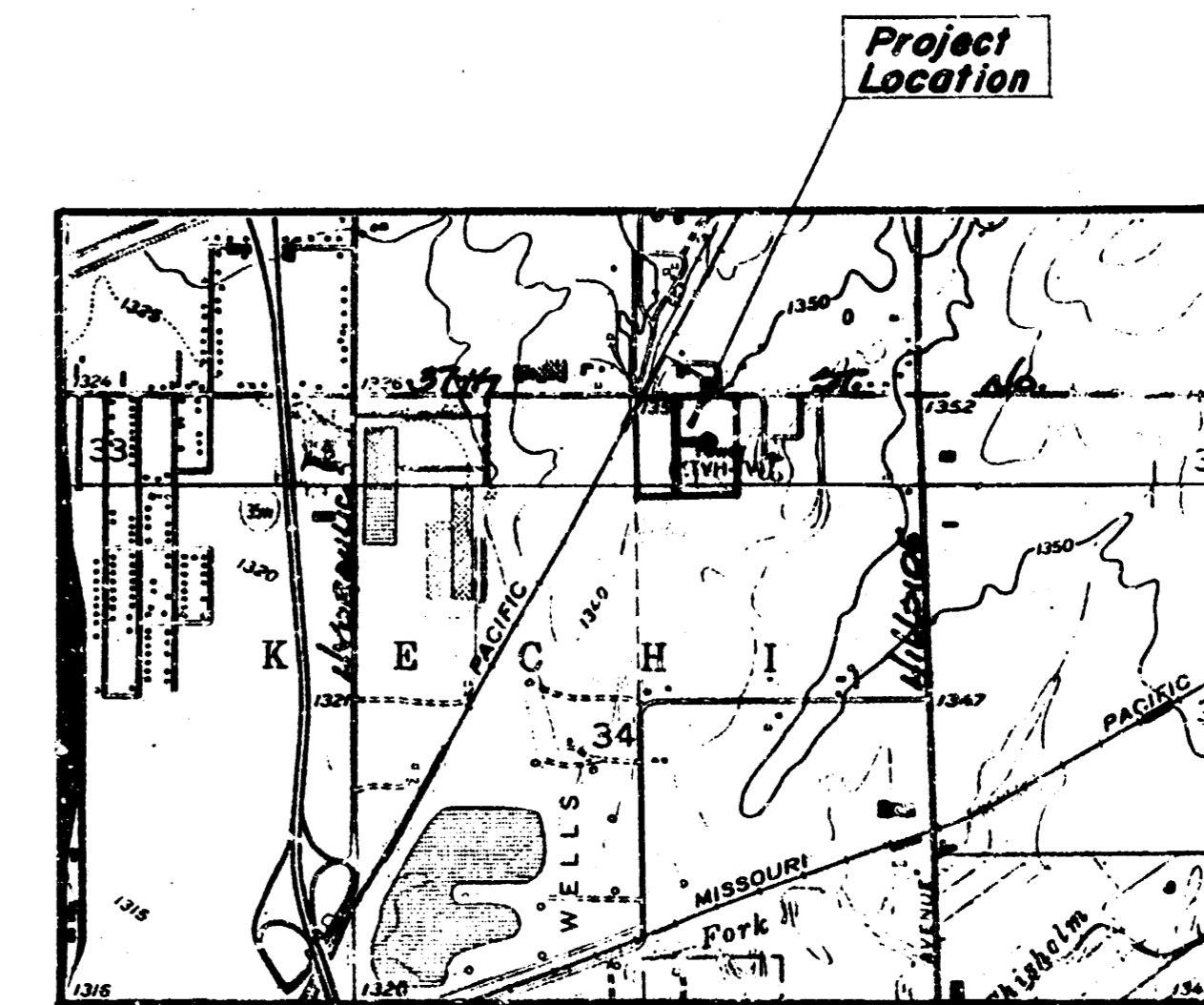
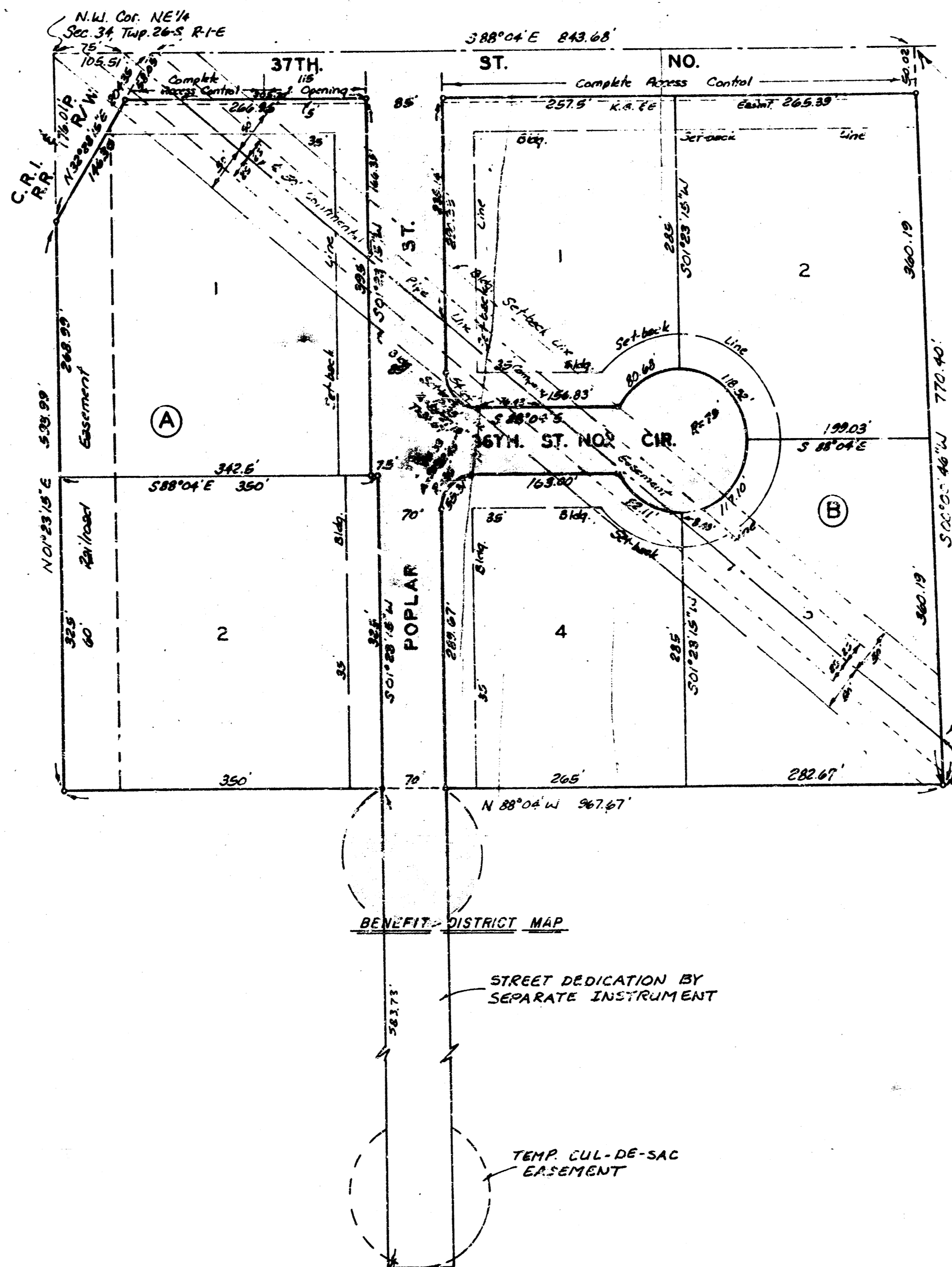
|                                  |      |
|----------------------------------|------|
| TITLE SHEET                      | 1    |
| TYPICAL PAVEMENT DETAIL SECTIONS | 2-3  |
| PAVEMENT PLAN SHEETS             | 4-6  |
| EARTHWORK SECTIONS               | 7-10 |

PROJECT NO.

**472-76-245-81348-000-000-001**



Scale:  
1" = 100'



BENCH MARKS

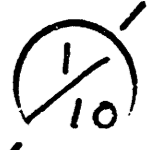
- B.M. 163.00 City Datum - R.R. Spike in pole approx. 48.5' North & 71.7' East of the C.L. of 37th St. No. and Poplar.
- B.M. 164.25 City Datum - Top thimble iron at the NW corner of NE 1/4, Sec. 34, Typ. 26-S, R 1-E.



**CITY OF WICHITA, KS.**  
**MIKE E. LINDEBAK - CITY ENGINEER**

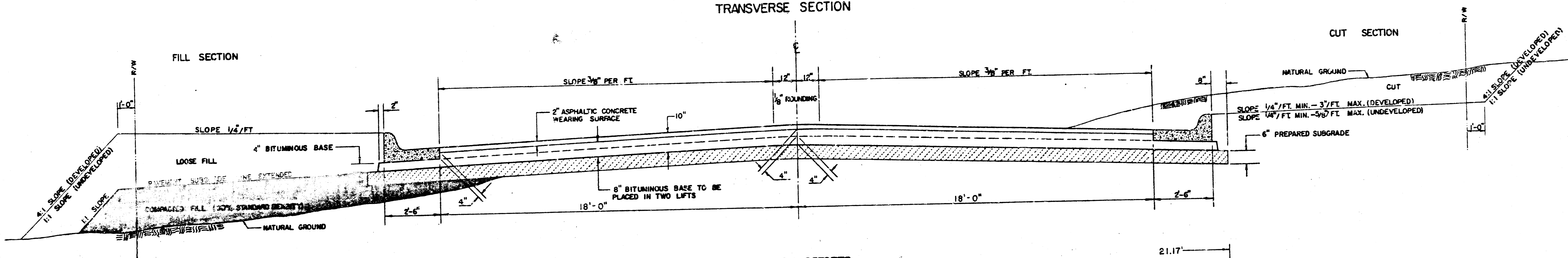
JULY 1994

**BAUGHMAN COMPANY, P.A.**  
 SURVEYING & ENGINEERING  
 314/262-7371 • 201 LAMAR • WICHITA, KANSAS 67211

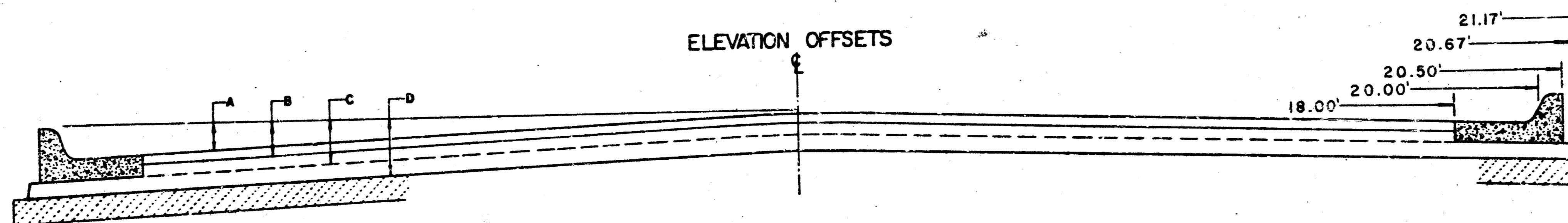


# TYPICAL 4' PAVEMENT DETAILS

## TRANSVERSE SECTION

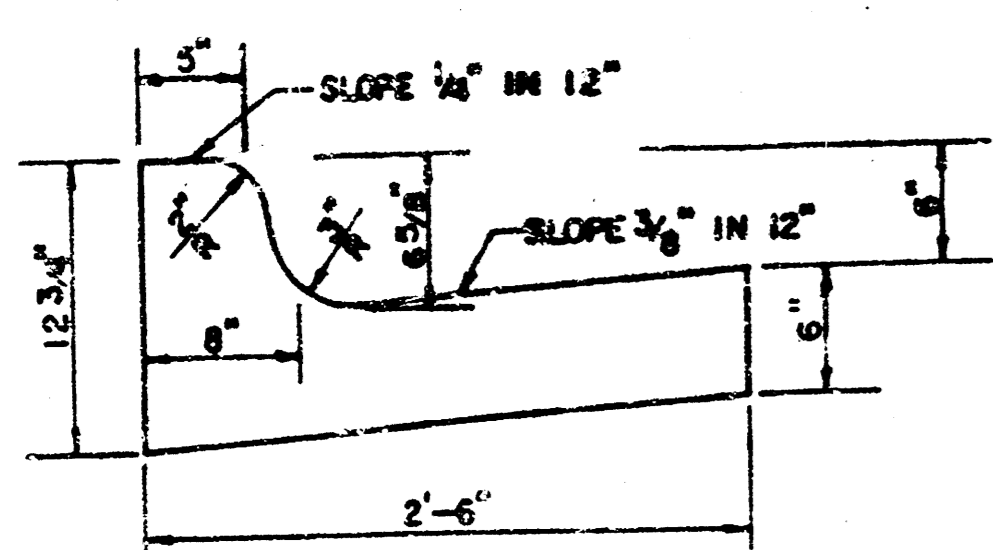


## ELEVATION OFFSETS



|   | DISTANCE FROM CENTERLINE (LT. & RT.) |      |     |     |      |      |      |      |      |      |      |      |       |       |
|---|--------------------------------------|------|-----|-----|------|------|------|------|------|------|------|------|-------|-------|
|   | 0                                    | 2    | 4   | 6   | 8    | 10   | 12   | 14   | 16   | 18   | 20   | 20.5 | 20.67 | 21.17 |
| A: TOP OF CURBS TO TOP OF SURFACE LIFT    | -.05                                 | -.01 | .05 | .11 | .18  | .24  | .30  | .36  | .43  | .49  | —    | —    | —     | —     |
| B: TOP OF CURBS TO TOP OF UPPER BASE LIFT | .11                                  | .16  | .22 | .28 | .34  | .40  | .47  | .53  | .59  | .65  | —    | —    | —     | —     |
| C: TOP OF CURBS TO TOP OF LOWER BASE LIFT | .42                                  | .49  | .55 | .61 | .67  | .73  | .80  | .86  | .92  | .98  | 1.05 | 1.06 | 1.07  | —     |
| D: TOP OF CURBS TO TOP OF SUBGRADE        | .75                                  | .82  | .88 | .94 | 1.00 | 1.06 | 1.13 | 1.19 | 1.25 | 1.31 | 1.38 | 1.39 | 1.40  | 1.41  |

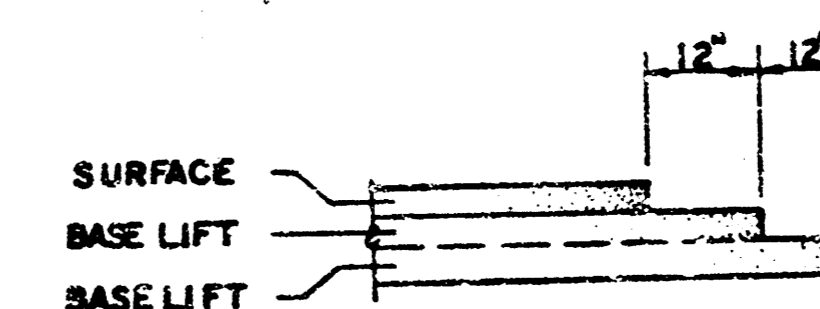
## COMBINED CURB & GUTTER



## GENERAL NOTES

- 1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 10" ASPHALTIC CONCRETE (8" BITUMINOUS BASE).
- 2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 4" BITUMINOUS BASE.
- 3) A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.
- 4) BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.
- 5) CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF ONE (1) FOOT FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.
- 6) CONTRACTOR TO BID ONLY ONE SUBGRADE TREATMENT ALTERNATE WHEN ALTERNATES ARE PROVIDED IN THE PROPOSAL AND CONTRACT. THE ALTERNATE CHOSEN BY THE SUCCESSFUL BIDDER SHALL BE USED IN CONSTRUCTING THIS PROJECT.

## TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINTS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 10" ASPHALTIC CONCRETE (8" BITUMINOUS BASE).

POPLAR & 36TH ST. NO. CIRCLE.  
TYPICAL PAVEMENT SECTION

CITY OF WICHITA, KS.  
PROJECT NO.  
472-76-243-81348-000-000-001

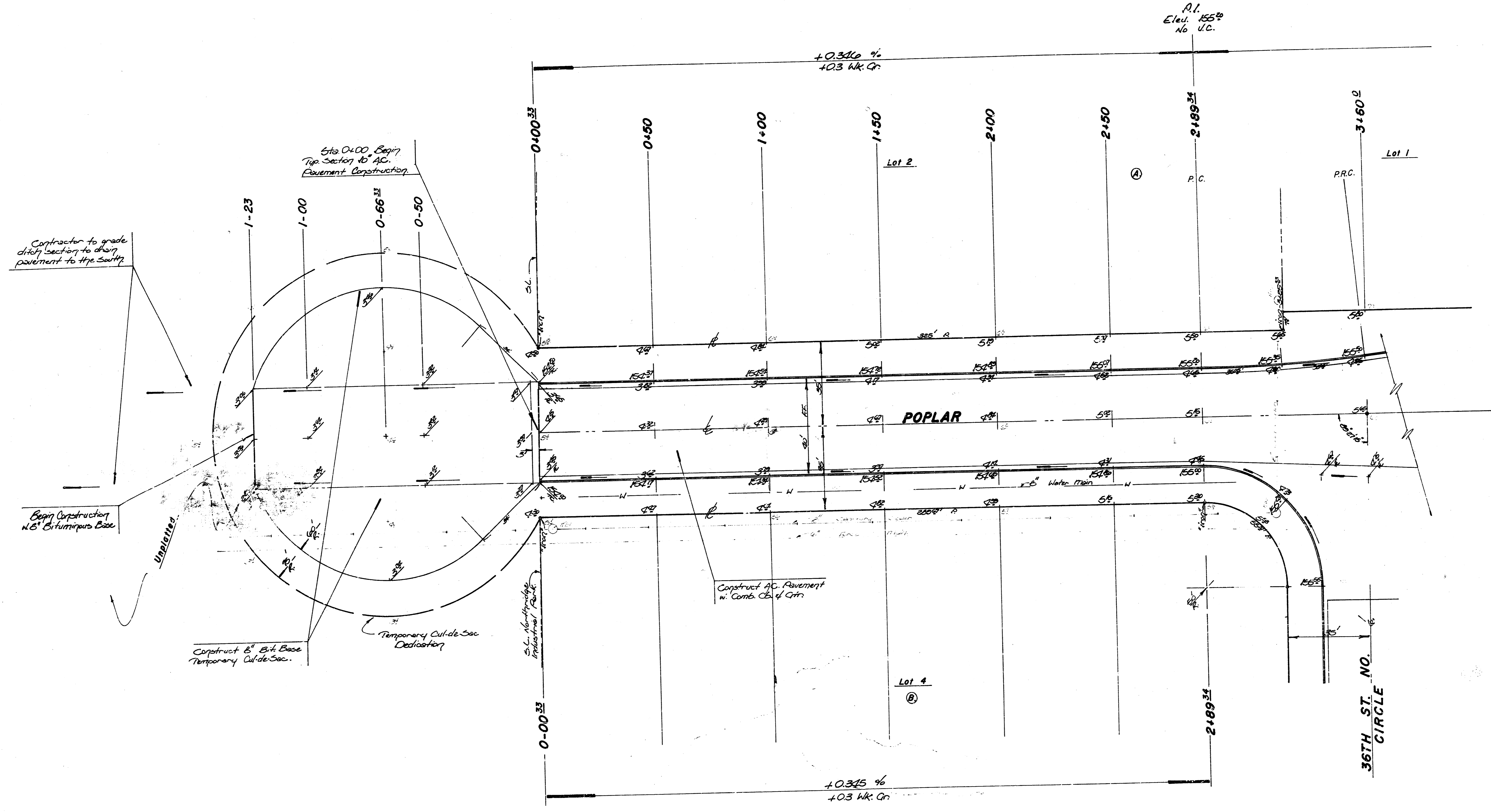
2/10



B.M. 143.00 RR spike in Bell pole approx. 485' North & 712' East of E. of 37th St. No. & Poplar.



P.I.  
Elev. 155.00  
No U.C.



Contractor to grade ditch section to drain pavement to the south.

Begin Construction 1.5\"/>

Unplanned

Construct 6\"/>

Temporary Outside Sec Dedication

Construct AC Pavement w/ Comb. C&I Crn

EARTHWORK QUANTITIES

|                      |                         |                        |
|----------------------|-------------------------|------------------------|
| EXCAVATION = 3637 CY | COMPACTED FILL = 367 CY | MANIPULATION = 7661 SY |
| + 10 8 = 364 CY      | + 10 8 = 37 CY          |                        |
| TOTAL = 4001 CY      | TOTAL = 404 CY          |                        |

**POPLAR**  
PROJ. NO.  
472-76-243-81348-000-000-001

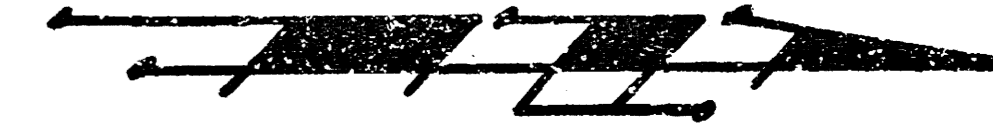
B.M. 163.00 R.R. Spike in Bull Pole approx. 185' N. of 71' E. of E. 37th St. No. of Poplar.

Reverse Curve Data -  
 PC Sta. = 2+00.00 Radius = 654.7'  
 PT Sta. = 4+29.87 L.C. = 70.00'  
 LC = 70.00'

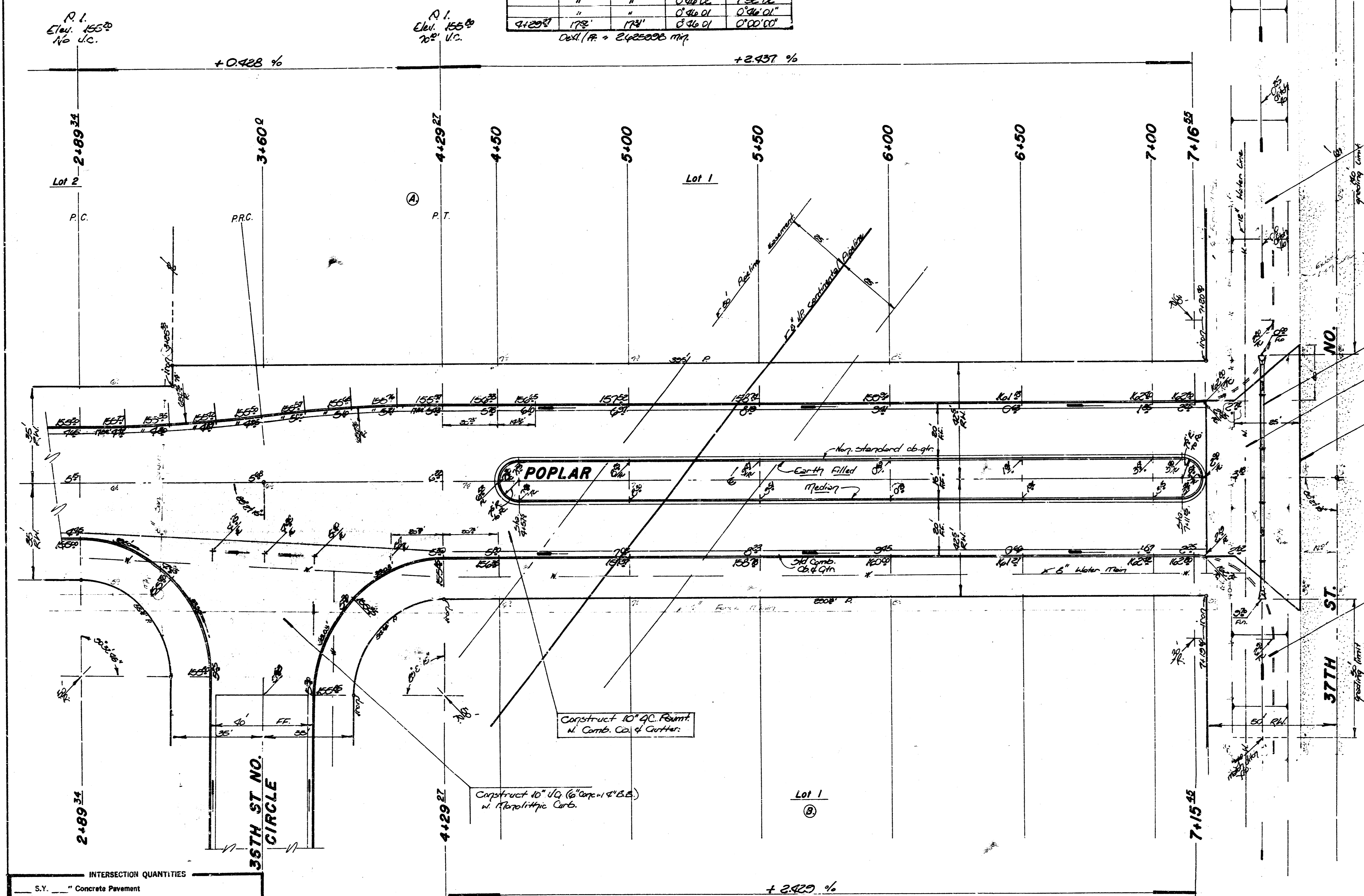
Curve Data Based on R.C.S. 46' 3" x 0.05'

| Sta.    | R.C.S. Arc | Chord Length | Chord    | Total Dist. |
|---------|------------|--------------|----------|-------------|
| 2+00.00 | ---        | ---          | 0' 00.00 | 0' 00.00    |
| "       | 173'       | 173'         | 0' 46.01 | 0' 46.01    |
| "       | "          | "            | 0' 46.01 | 1' 32.02    |
| "       | "          | "            | 0' 46.02 | 2' 18.04    |
| PT      | 173'       | 173'         | 0' 46.01 | 3' 04.05    |
| PTC     | ---        | ---          | 0' 00.00 | 3' 04.05    |
| "       | 173'       | 173'         | 0' 46.01 | 2' 18.04    |
| "       | "          | "            | 0' 46.02 | 1' 32.02    |
| "       | "          | "            | 0' 46.01 | 0' 46.01    |
| 4+29.87 | 173'       | 173'         | 0' 46.01 | 0' 00.00    |

Chord (R) = 2425006 mm



Scale: 1" = 20'



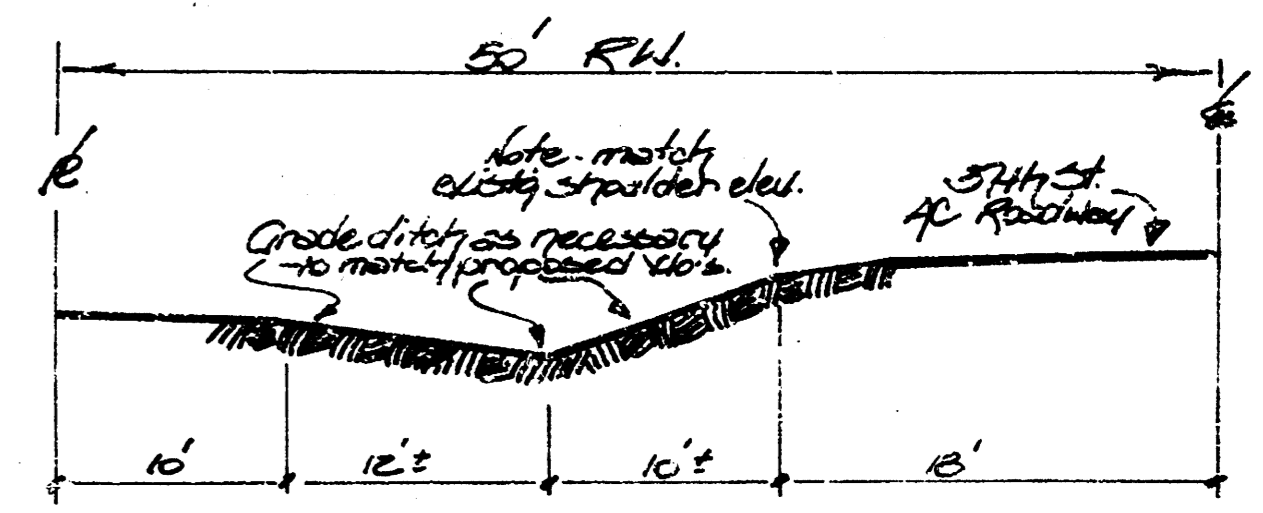
Contractor to regrade the ditch west of the 18\"/>

Install 18\"/>

Construct 10\"/>

Match Existing Pavement Exp. Construction.

Contractor to regrade the ditch east of the 18\"/>



Typical U-Ditch Section for Resurfacing Purposes.

INTERSECTION QUANTITIES

|     |      |   |
|-----|------|---|
| --- | S.Y. | Concrete Pavement                       |
| --- | S.Y. | Asphaltic Conc. Pavement (3\"/>         |
| --- | S.Y. | Bituminous Base                         |
| --- | L.F. | Combined Curb & Gutter                  |
| --- | L.F. | Integral Curb                           |
| --- | S.F. | 4\"/>                                   |
| --- | S.F. | 4\"/>                                   |
| --- | C.Y. | Excavation                              |
| --- | C.Y. | Compacted Fill                          |
| --- | Lbs. | Reinforcing Steel                       |
| --- | S.Y. | Manipulation                            |
| --- | Tons | Line or Cement                          |
| --- | S.Y. | V.G. Concrete & Asphaltic Concrete Base |

NOTE: ALL AREAS WITHIN 37<sup>TH</sup> ST. NO. RIGHT OF WAY THAT ARE DISTURBED SHALL BE SEEDED AS PER CITY SPECIFICATIONS. COST SHALL BE INCIDENTAL TO THE PROJECT.

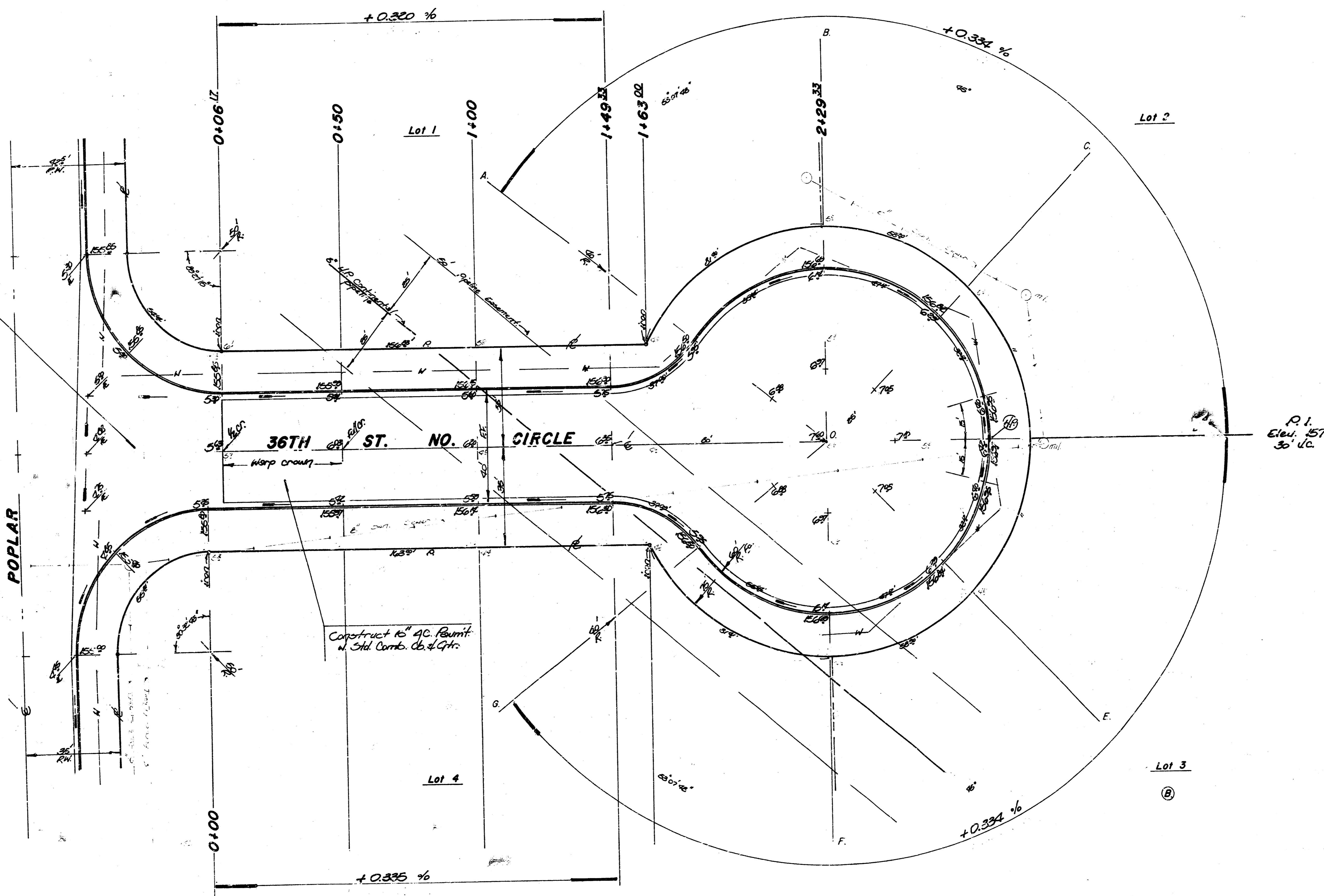
POPLAR

PROJ. NO. 472-245-81343-000-000-001

FILMED FROM THE BEST

Construct Corp. U.G.  
w/ Metropolitan Co.

POPLAR



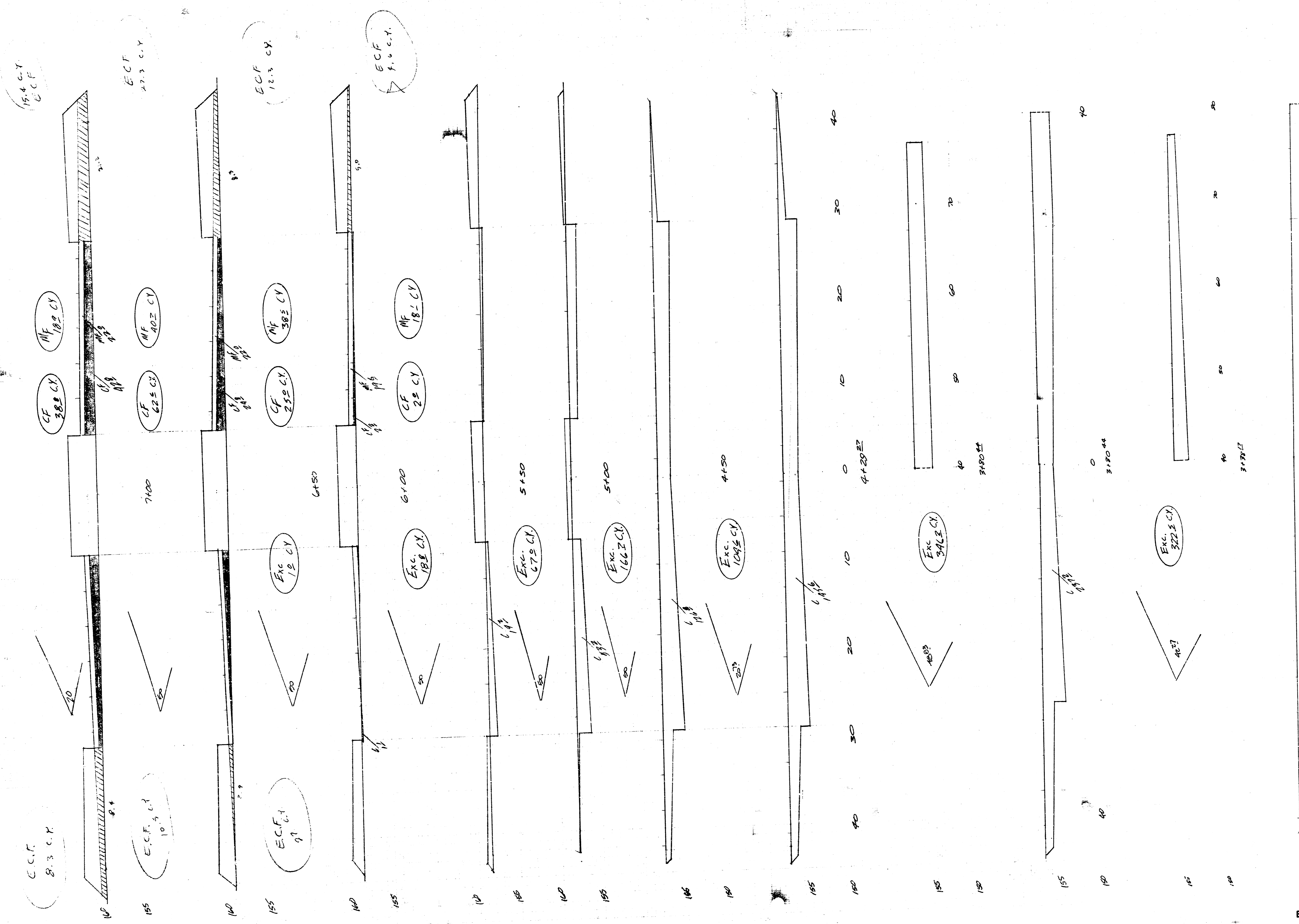
Scale:  
1" = 20'

36TH ST. NO. CIRCLE

PROJ. NO.  
472-76-245-81348-000-000-001

FILMED FROM THE BEST





E.C.F.  
105.4 C.Y.

SHEET TOTAL  
Exc. 1026.8 CY  
C.F. 1281.1 CY  
M.F. 1163.1 CY

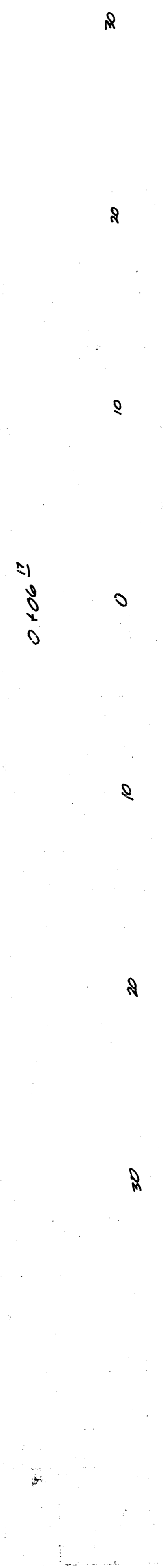
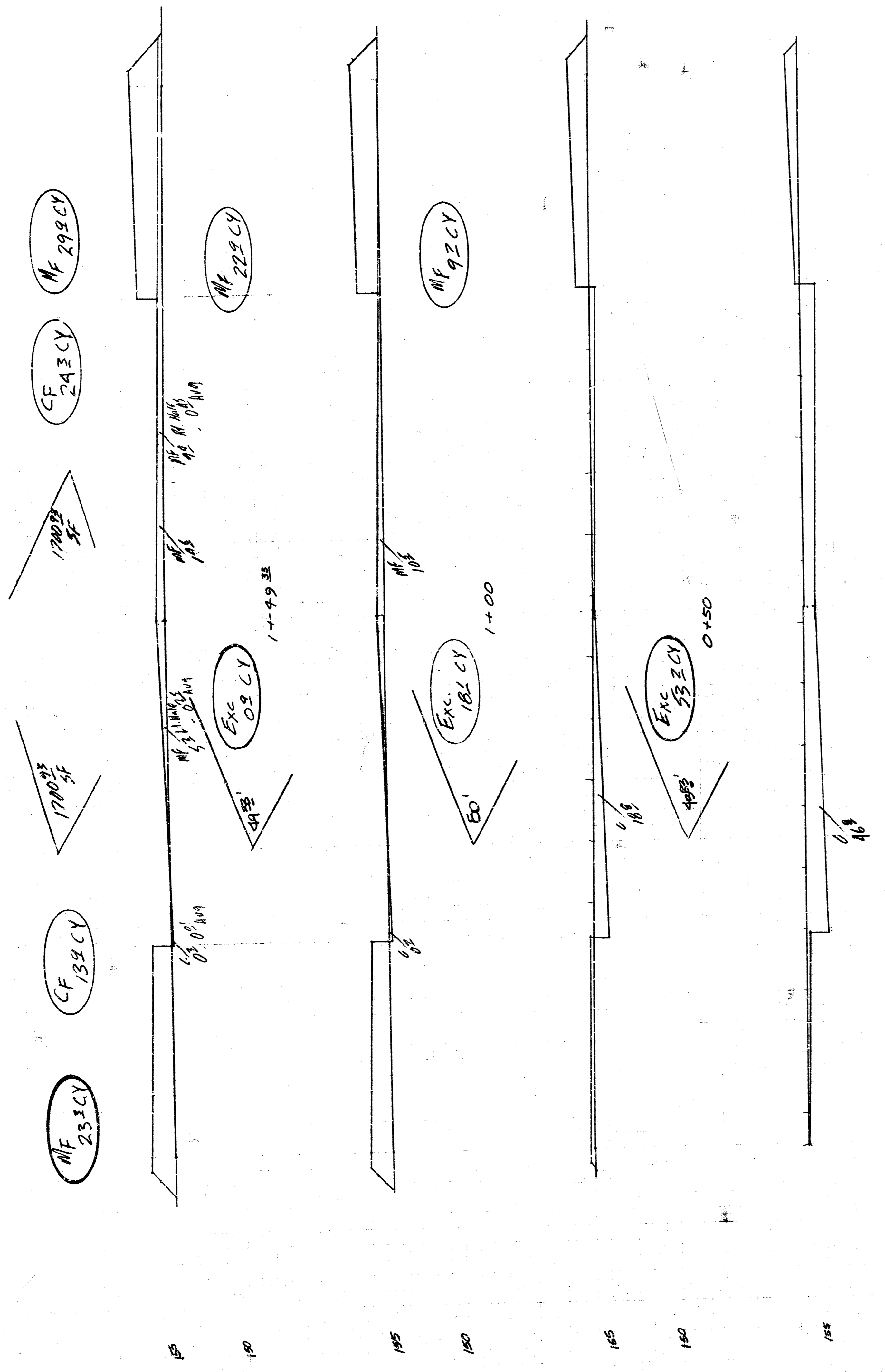
EARTHWORK SECTIONS

FILMED FROM THE BEST COPY AVAILABLE

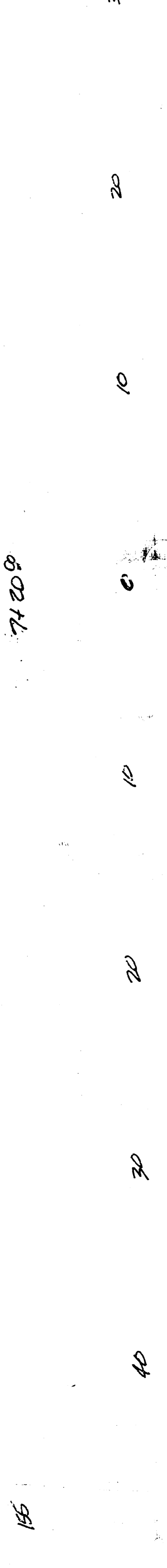
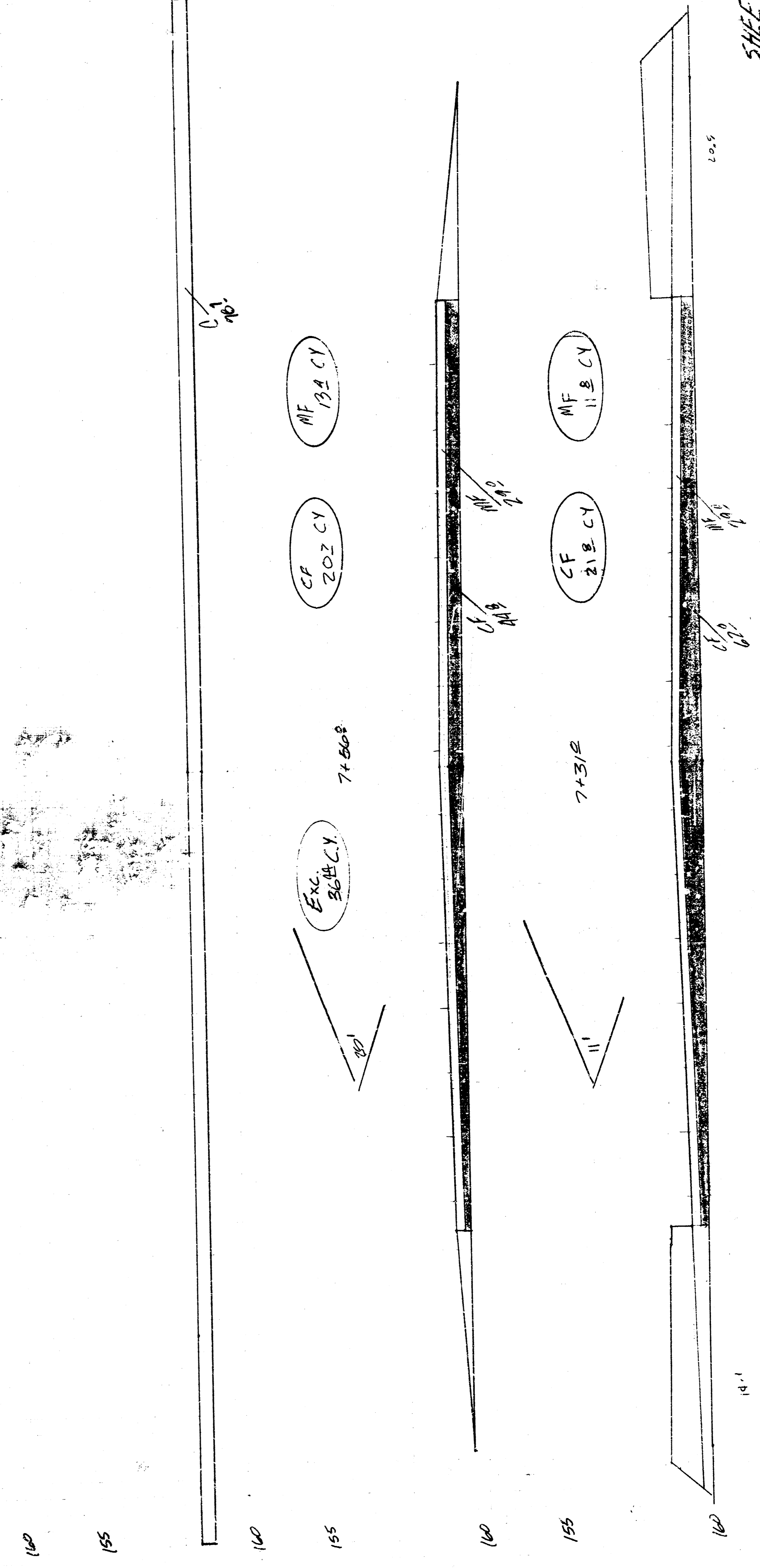
10

06

OA



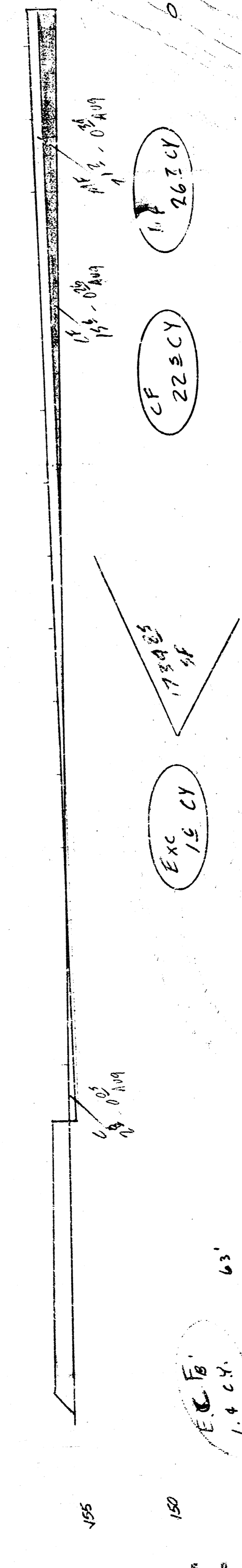
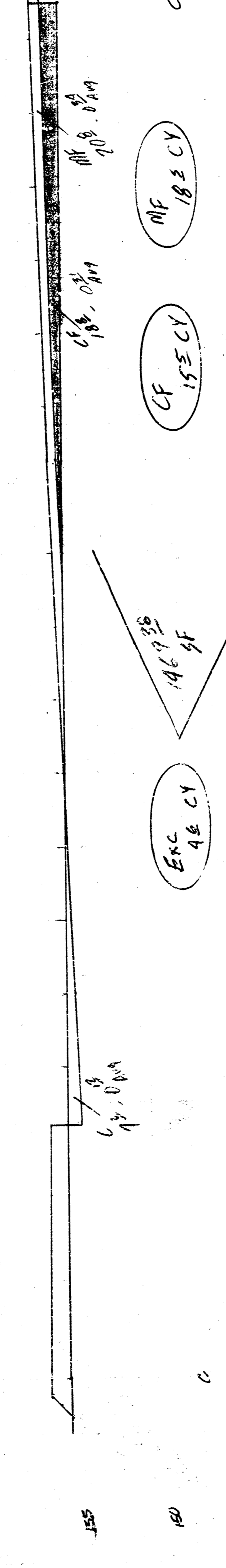
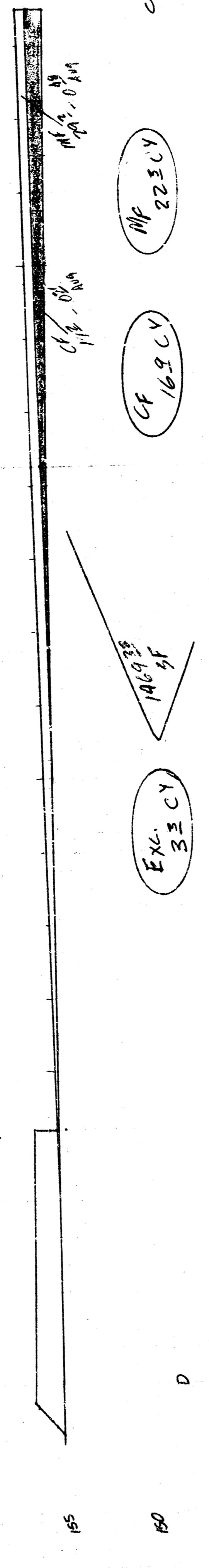
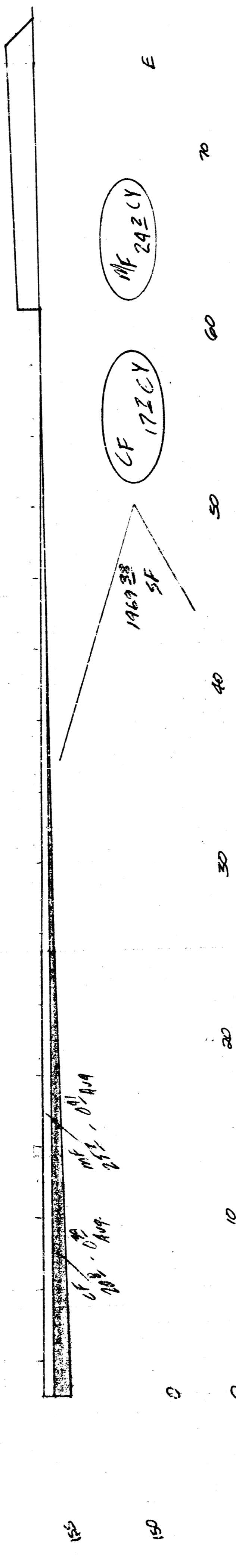
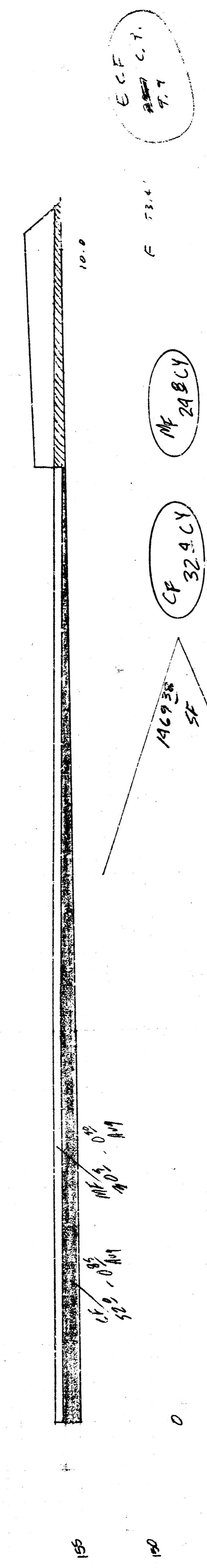
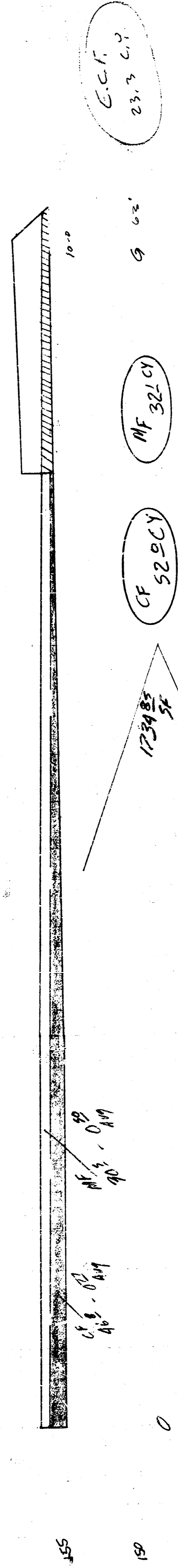
36<sup>TH</sup> STREET NO. CIRCLE



EARTHWORK SECTIONS

SHEET TOTAL

|     |         |
|-----|---------|
| Exc | 1085 CY |
| CF  | 802 CY  |
| MF  | 1118 CY |



E.C.F. 31.6 C.Y.

**SHEET TOTAL**  
 Exc 95 CY  
 CF 1570 CY  
 MF 1185 CY

30' ST No. Circle