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

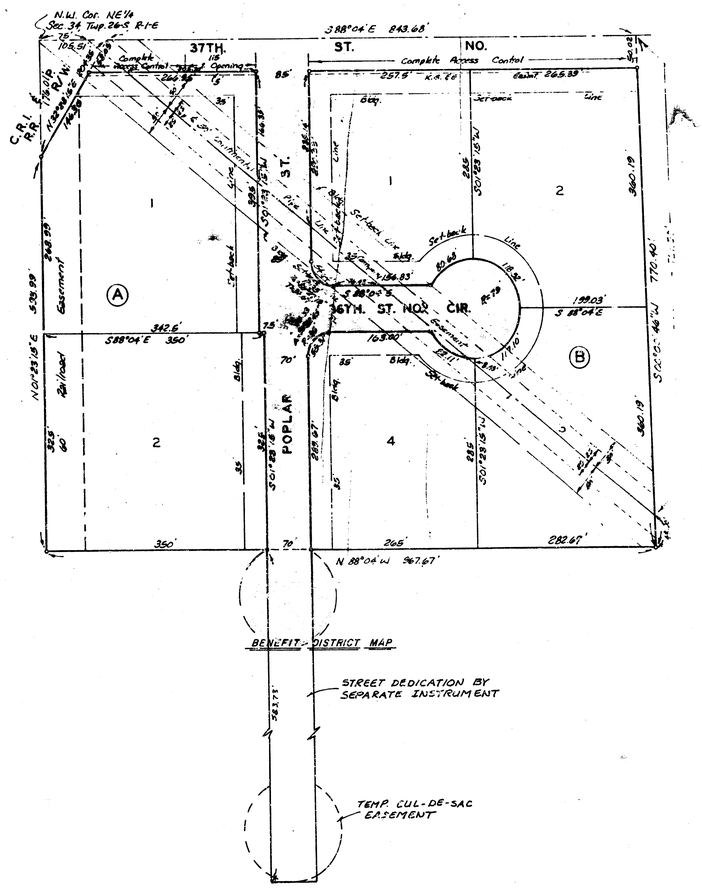
NORTHRIDGE INDUSTRIAL PARK ADDITION

PROJECT NO.

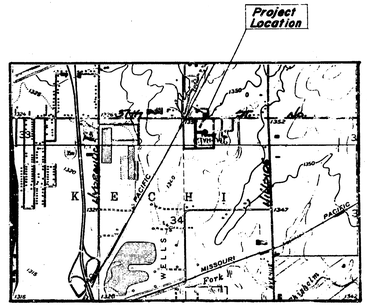
472-76-245-81348-000-000-001

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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 ¼, Sec. 34, Typ. 26-S, R 1-E.

KANSAS REGISTERED PROFESSIONAL ENGINEER 6470

CITY OF WICHITA, KS.

MIKE E. LINDEBAK — CITY ENGINEER

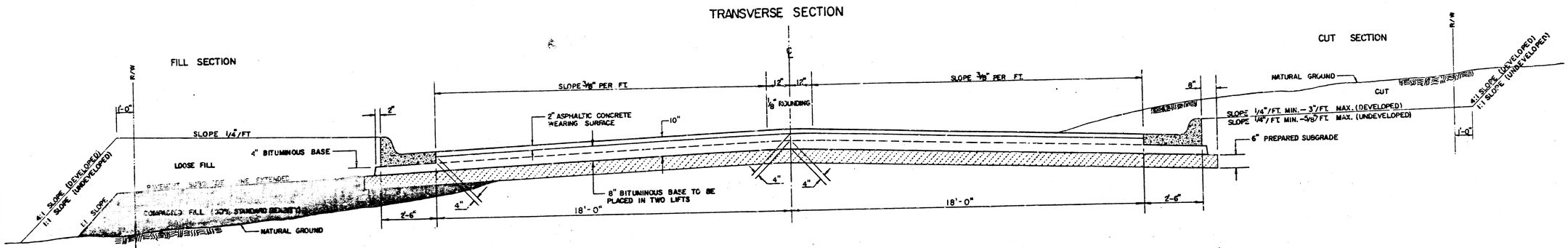
JULY 1984

BAUGHMAN COMPANY, P.A.
SURVEYING & ENGINEERING
316/262-7271 • 230 LAURA • WICHITA, KANSAS 67211

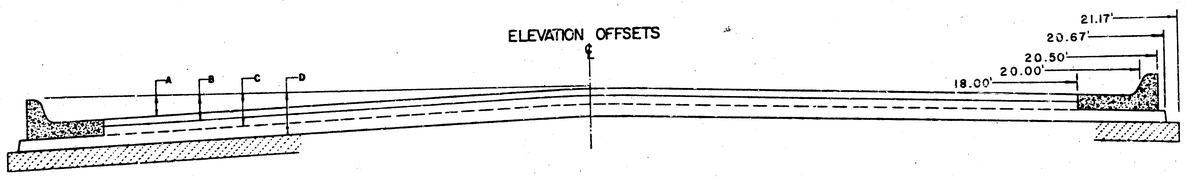
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TYPICAL 41' PAVEMENT DETAILS

TRANSVERSE SECTION

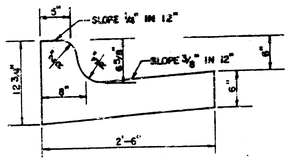


ELEVATION OFFSETS



	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.

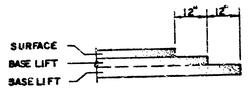
3) A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.

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 JOINS 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 OF 10" ASPHALTIC CONCRETE (8" BITUMINOUS BASE).

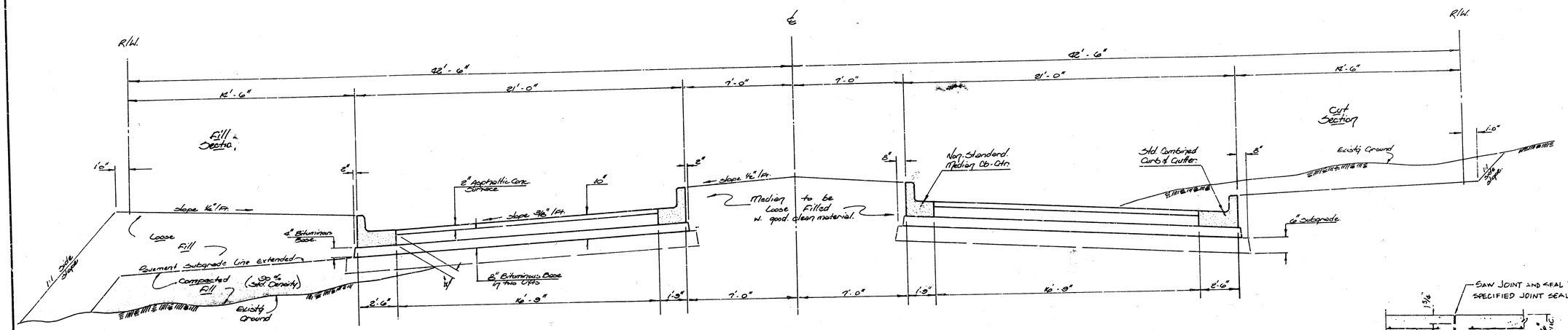
POPLAR & 36TH ST. NO. CIRCLE.
TYPICAL PAVEMENT SECTION

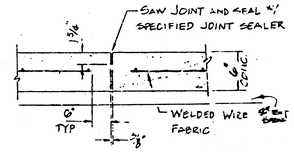
CITY OF WICHITA, KS.
PROJECT NO.
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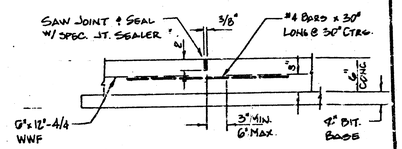
TYPICAL MEDIAN PAVEMENT SECTION

STA. 4+57.85 TO STA. 7+11.85

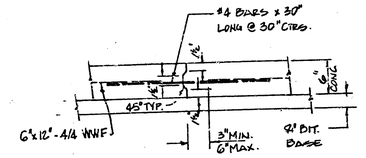




CONTRACTION JOINT

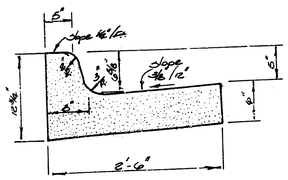


LONGITUDINAL SAWED JOINT
FOR CONCRETE VALLEY GUTTER

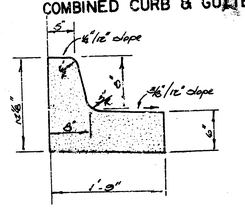


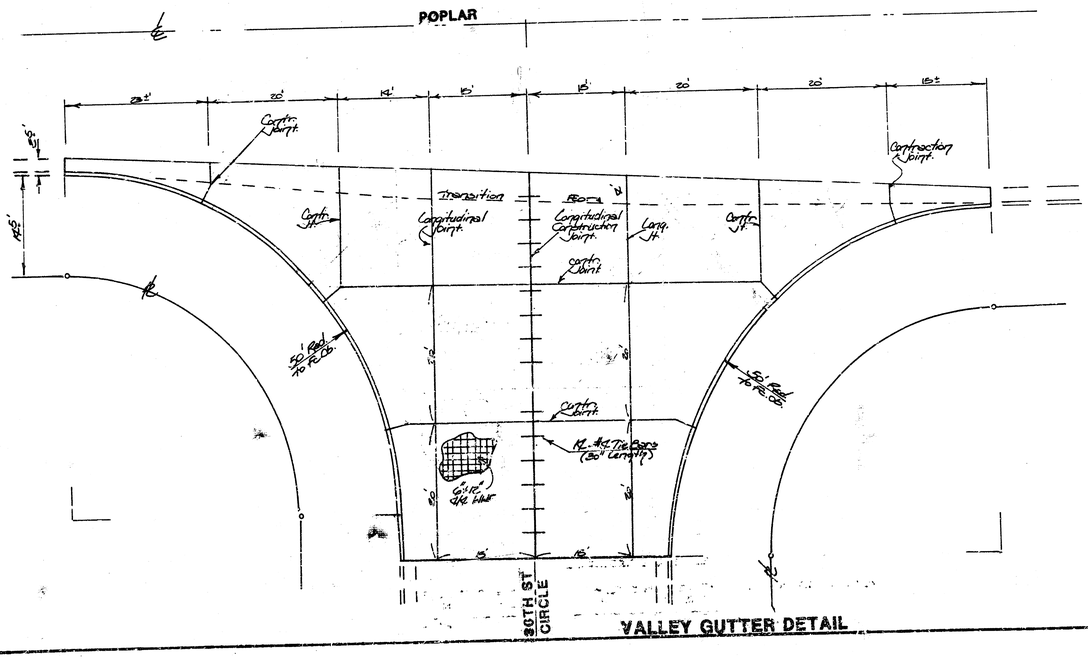
LONGITUDINAL CONSTRUCTION JOINT
FOR CONCRETE VALLEY GUTTER

COMBINED CURB & GUTTER



NON-STANDARD MEDIAN COMBINED CURB & GUTTER





VALLEY GUTTER DETAIL

POPLAR
TYPICAL MEDIAN PAVEMENT SECTION.

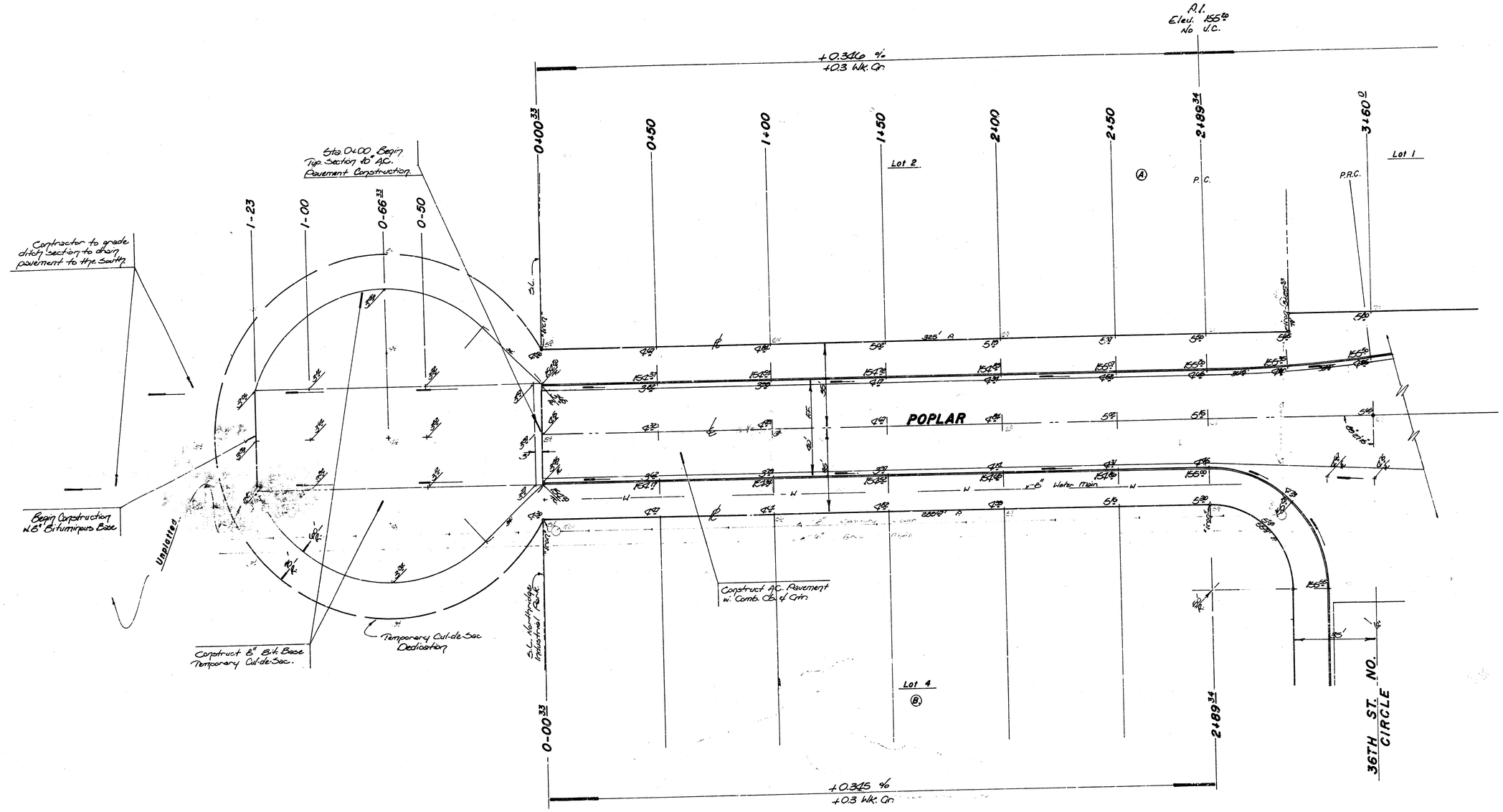
CITY OF WICHITA, KS.

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

3
10

BM. Ka3.00 RR spike in Bell pole approx. 785' North & 71' East of ℄ of 37th St. No. & Poplar.

Scale: 1" = 20'



EARTHWORK QUANTITIES

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

POPLAR

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

FILMED FROM THE BEST

B.M. Elev. 163.00 R.R. Spike in Bell Pole approx. 785' N. & 71' E. of E. 37th St. No. & Poplar.

Reverse Curve Data –
P.C. Sta. : 2+89.34 Radius : 954.93'
P.T. Sta. : 4+29.27 Δ = 6°08'10"
L.C. = 704'

Δ = 6°08'10" Rad.: 954.93' T.= 352.8' L.= 703.9' LC= 702.9'

Curve Data Based on R.C.				Δ/2 = 3°04'05"
Sta.	R.C.'s Apt.	Cft. Length & Off of C.C.	Defl.	Total Defl.
P.C. 2+89.34	—'	—'	0°00'00"	0°00'00"
	17.5'	17.4'	0°36'01"	0°36'01"
	"	"	0°36'01"	1°12'02"
	"	"	0°36'02"	1°48'04"
P.R.C.	17.5'	17.4'	0°36'01"	2°24'05"
P.R.C.	—'	—'	0°00'00"	2°24'05"
	17.5'	17.4'	0°36'01"	3°00'06"
	"	"	0°36'02"	3°36'08"
	"	"	0°36'01"	4°12'09"
P.T. 4+29.27	17.5'	17.4'	0°36'01"	4°48'10"

Defl/Ft. = 2.422838 min.

Scale: 1" = 20'

R.I. Elev. 155.89 No J.C.

R.I. Elev. 155.89 70' J.C.

+0.428 %

+2.437 %

2+89.34 P.C.

3+60.0 P.R.C.

4+29.27 P.T.

4+50

5+00

5+50

6+00

6+50

7+00

7+16.55

Lot 2

Lot 1

Lot 1 ⑧

Existing Grade

Existing Curb

Existing Water Line

Existing Storm Sewer

Existing Gutter

Existing Pavement

Existing Sidewalk

Easement

Existing Parking

Contractor to regrade the ditch West of the 18" pipe for a distance of 120'. See ditch section typical.

Install 68 L.F. 18" CMP W. End Section.

Construct 10" A.C. "Hookup"

Match Existing Pavement Expl. Construction.

Contractor to regrade the ditch East of the 18" pipe for a distance of 60'. See ditch section typical.

Nov. standard ch. & gtr.

Earth Filled Median

36" Comb. C.& G. Gtr.

8" Water Main

Construct 10" Q.C. Pavmt. W. Comb. Curb & Gutter.

Construct 10" V.C. (6" Conc. on 4" C.B.) w. Monolithic Curb.

POPLAR

37TH ST.

36TH ST. NO. CIRCLE

37TH ST. NO.

+2.829 %

50' R.W.

Note: match existing shoulder elev. 37th St. NO. Roadway

Grade ditch as necessary to match proposed slope

10' 12'± 10'± 18'

Typical V-Ditch Section for Regrading Purposes.

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

INTERSECTION QUANTITIES

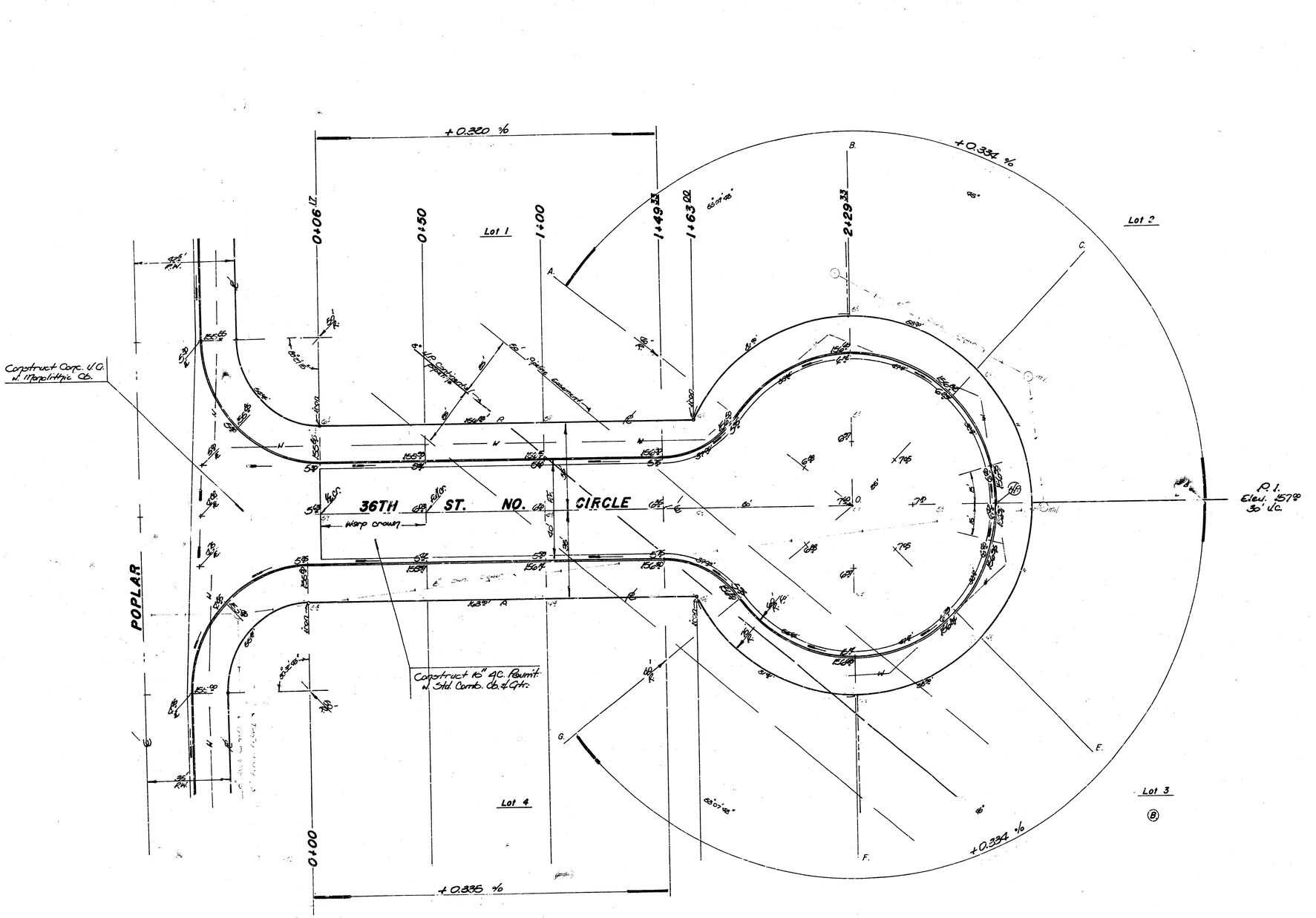
- ___ S.Y. ___" Concrete Pavement
- 3395 S.Y. 10 " Asphaltic Conc. Pavement (6 " Bituminous Base)
- ___ S.Y. ___" Bituminous Base
- ___ L.F. Combined Curb & Gutter
- 1435 L.F. Integral Curb
- ___ S.F. 4" Wheelchair Ramp
- ___ S.F. 4" Walk
- ___ C.Y. Excavation
- ___ C.Y. Compacted Fill
- ___ Lbs. Reinforcing Steel
- 205 S.Y. Manipulation
- ___ Tons Lime or Cement
- 405 S.Y. V.G. 10 " Concrete & 4 " Asphaltic Concrete Base

POPLAR

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

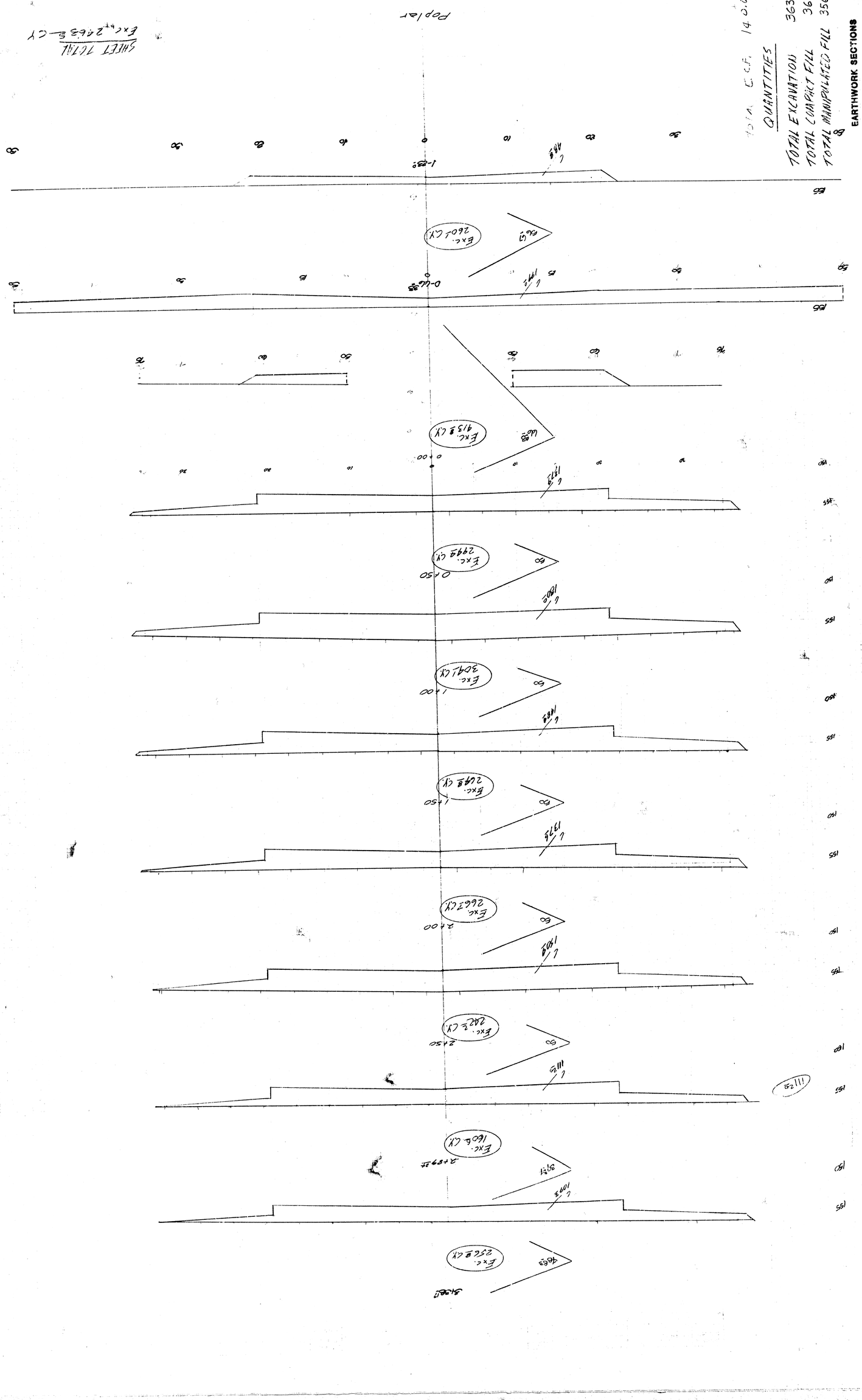
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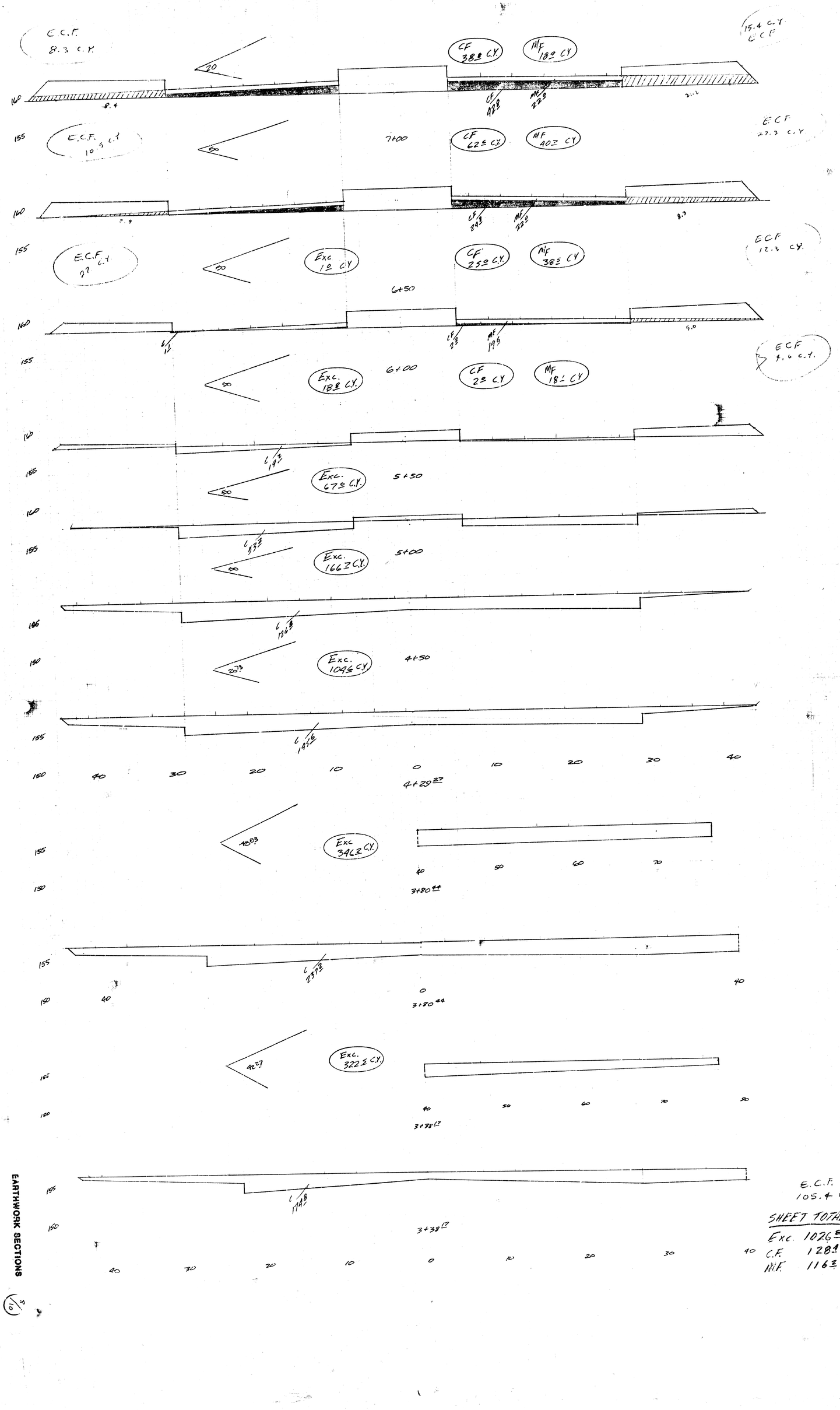


36TH ST. NO. CIRCLE

PROJ. NO.
472-76-245-8:348-000-000-001

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EARTHWORK SECTIONS
QUANTITIES
TOTAL EXCAVATION 36372 CY
TOTAL COMPACT FILL 3661 CY
TOTAL MANIPULATED FILL 3569 CY
TOTAL E.C.F. 14.0 C.Y.
SHEET 7074L
Exc. 2463 CY
Poplar
0+00
0+50
1+00
1+50
2+00
2+50
2+89.32
Exc. 4138 CY
Exc. 2994 CY
Exc. 3041 CY
Exc. 2498 CY
Exc. 2663 CY
Exc. 2825 CY
Exc. 1606 CY
Exc. 2526 CY
STAGE



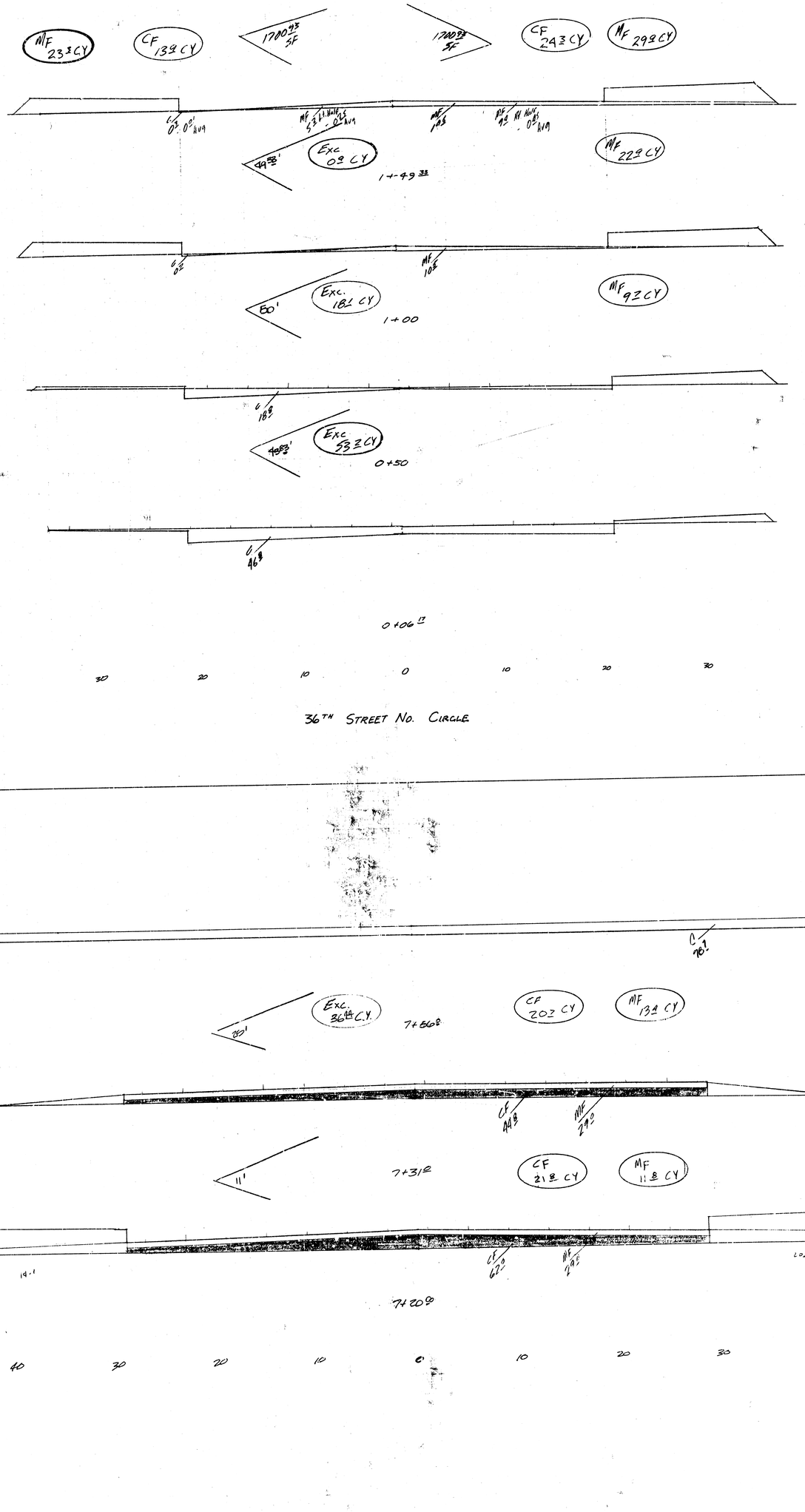
EARTHWORK SECTIONS

10

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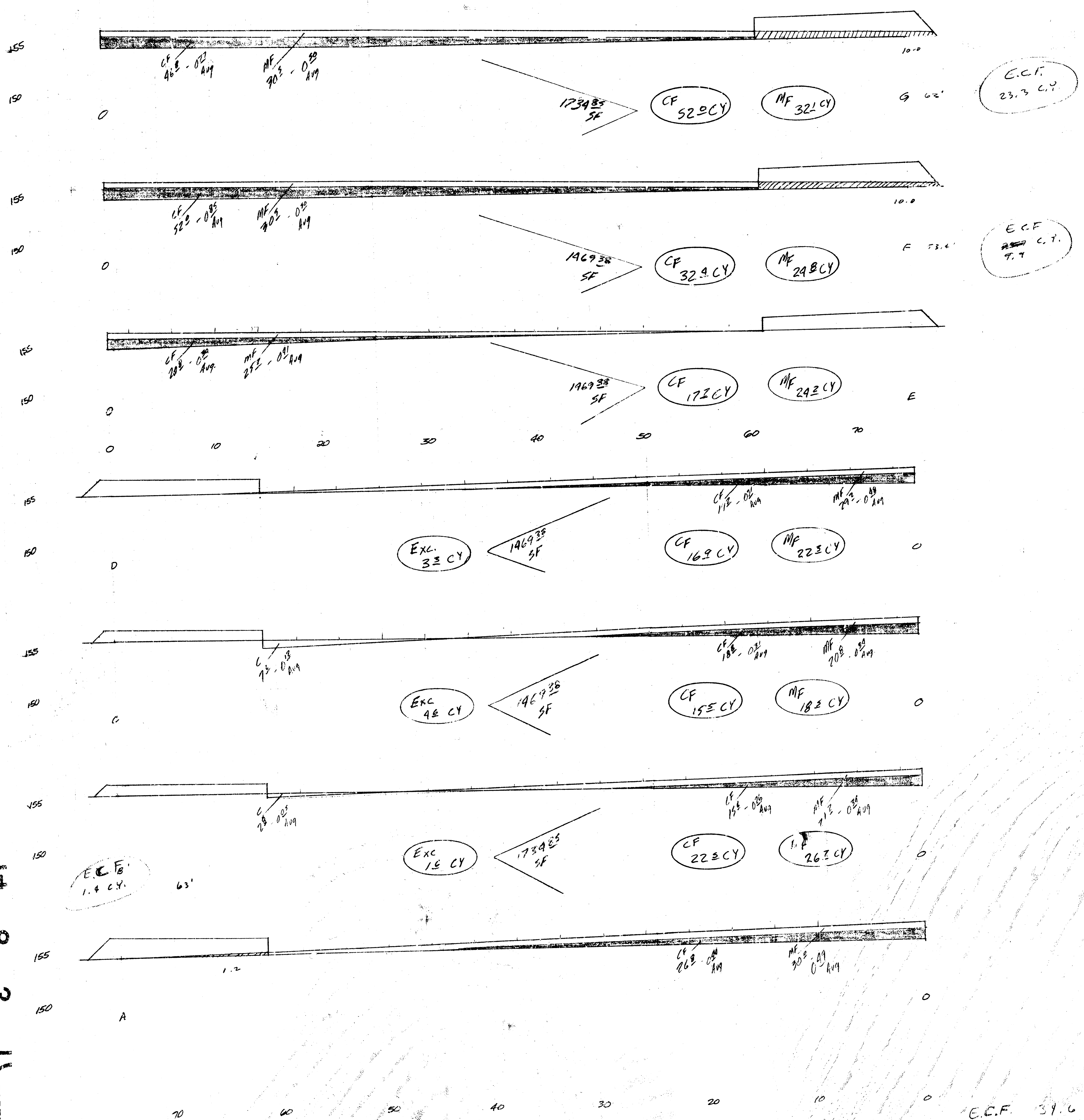
36TH STREET NO. CIRCLE

SHEET TOTAL

Exc	108 CY
CF	80 CY
MF	111 CY

EARTHWORK SECTIONS

FILMED FROM THE BEST



E.C.F. 31.6 C.Y.

SHEET TOTAL
Exc 95 CY
C.F. 157.0 CY
MF 186 CY

36th St. No. Circle