

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

NORTHBRIDGE INDUSTRIAL PARK ADDITION

— INDEX —

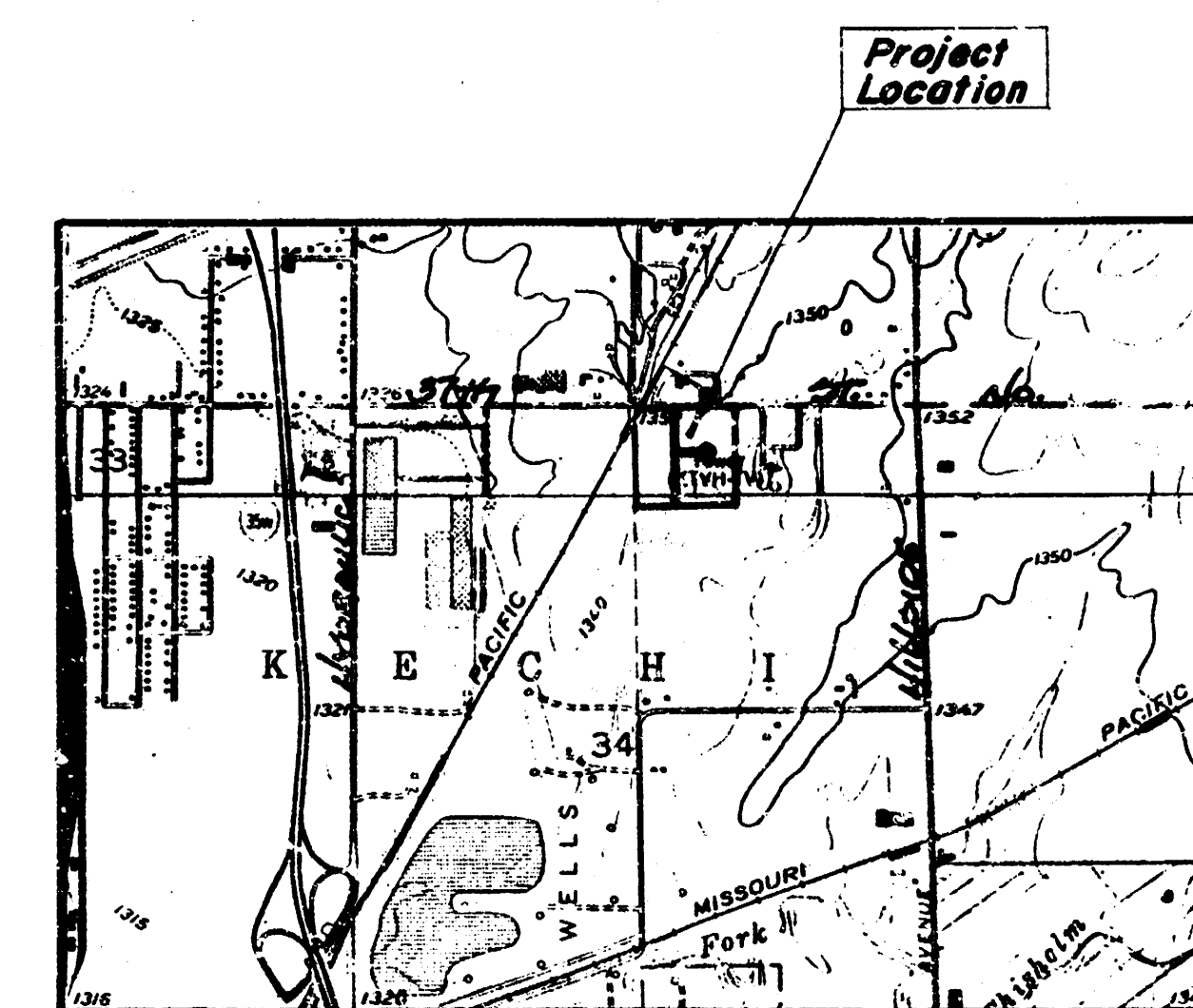
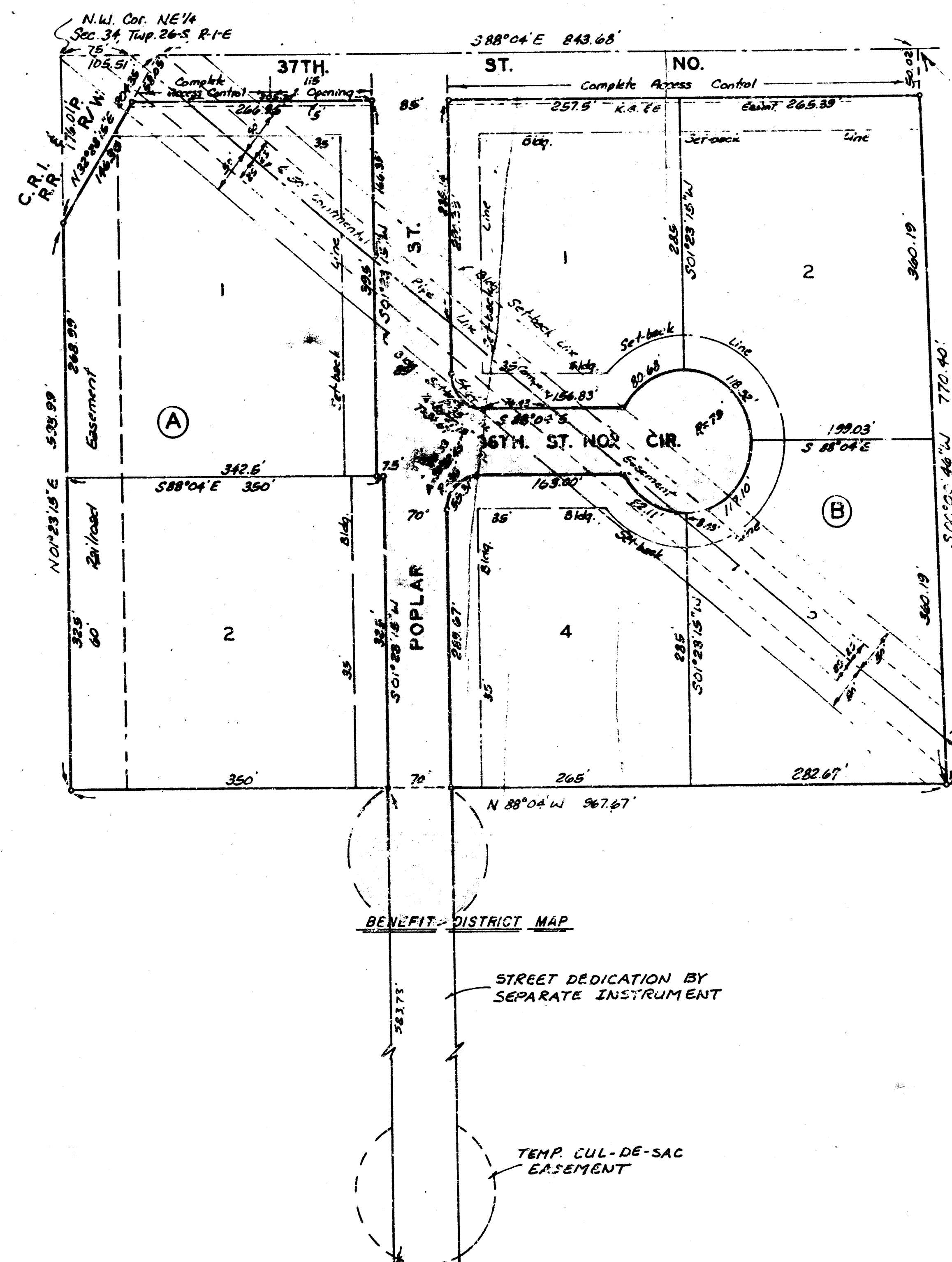
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PROJECT NO.

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, Twp. 26-S, R. 1-E.



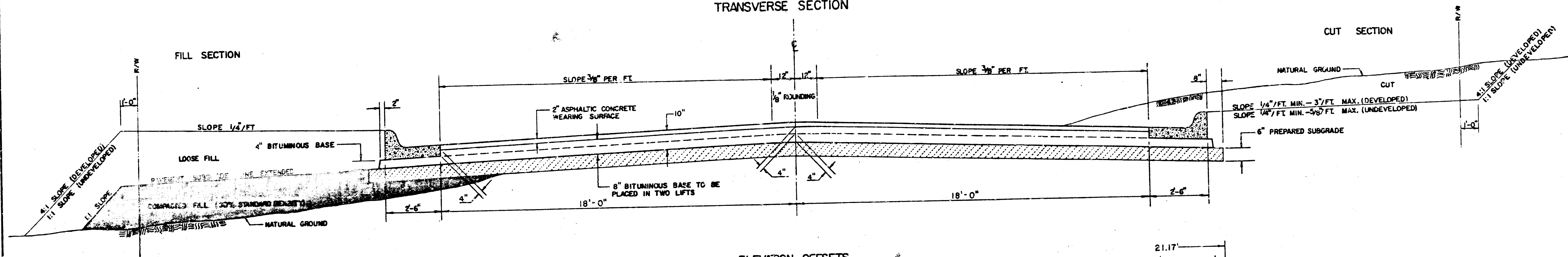
CITY OF WICHITA, KS.
MIKE E. LINDEBAK — CITY ENGINEER

JULY 1994

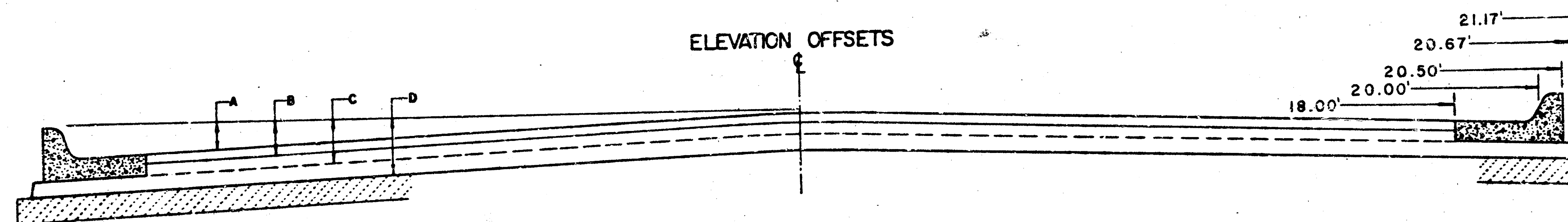
BAUGHMAN COMPANY, P.A.
SURVEYING & ENGINEERING
314/263-7271 • 220 LAMAR • WICHITA, KANSAS 67211

TYPICAL 4' PAVEMENT DETAILS

TRANSVERSE SECTION

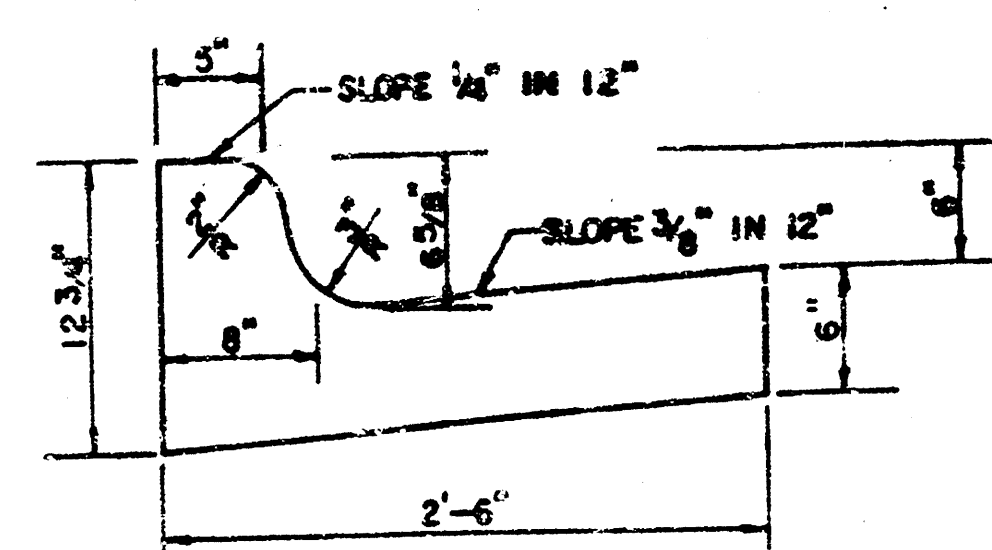


ELEVATION OFFSETS



	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

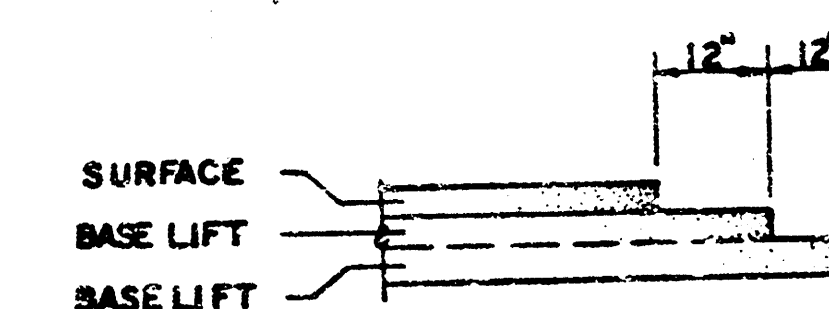
COMBINED CURB & GUTTER



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).

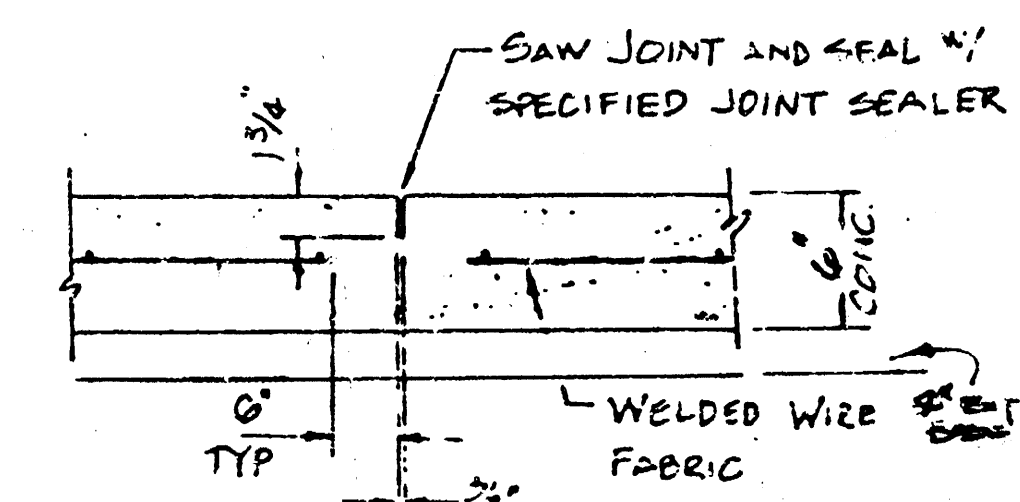
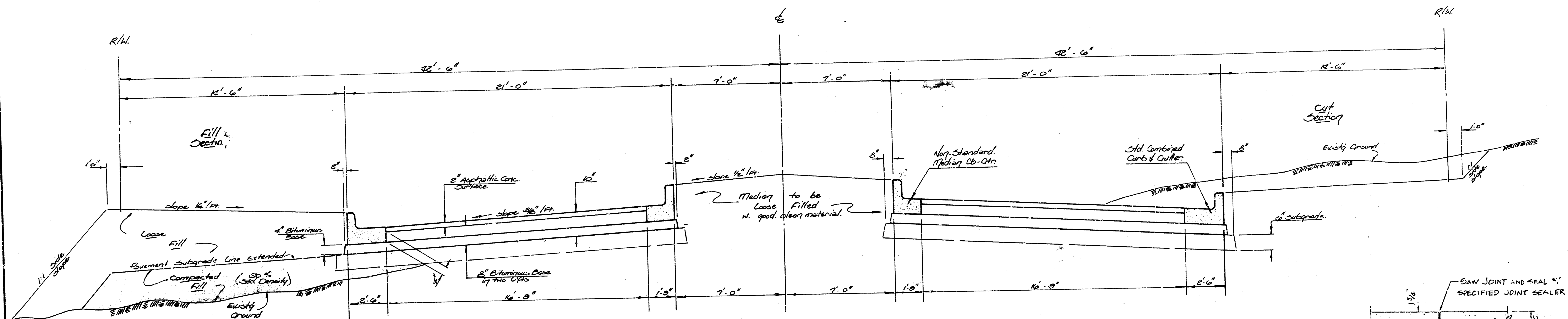
POPLAR & 36TH ST. NO. CIRCLE.
TYPICAL PAVEMENT SECTION

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

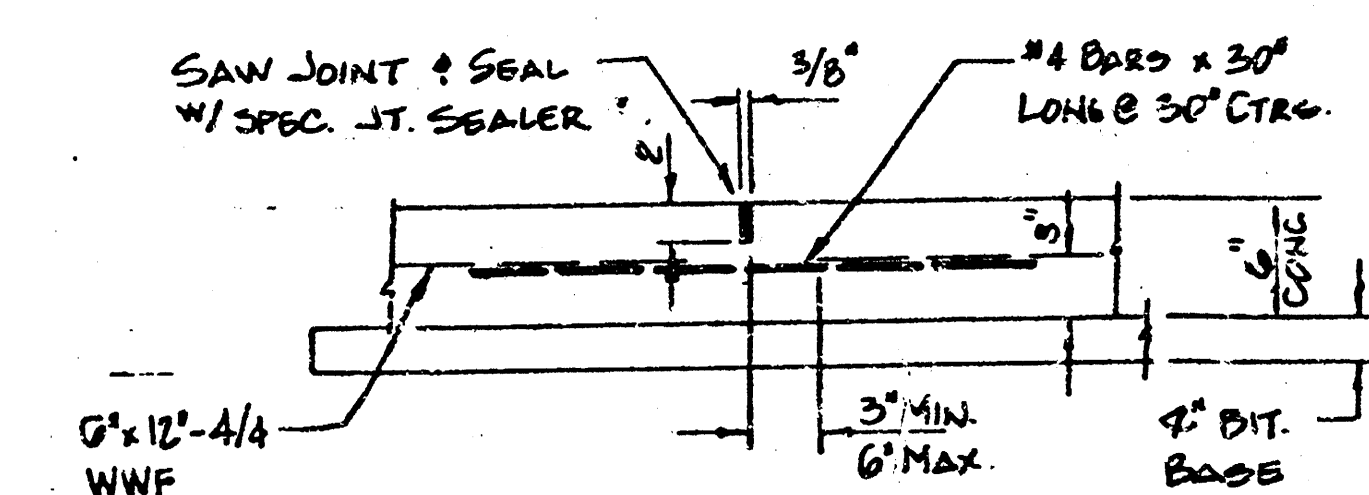
2/10

TYPICAL MEDIAN PAVEMENT SECTION

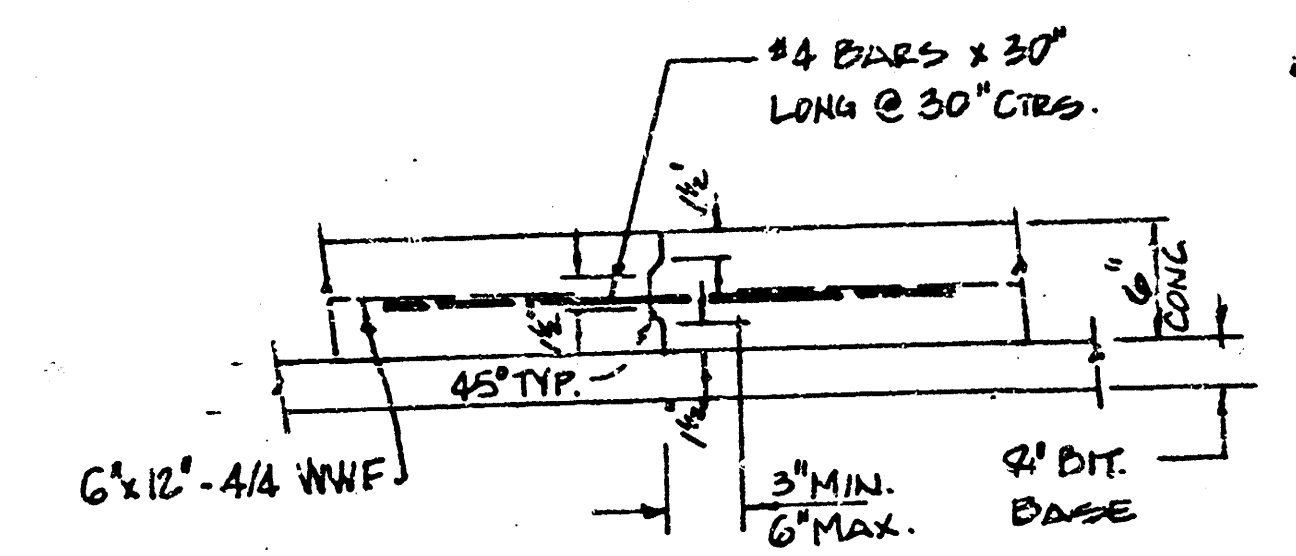
STA. 4+57⁰⁰ TO STA. 7+11⁰⁰



CONTRACTION JOINT

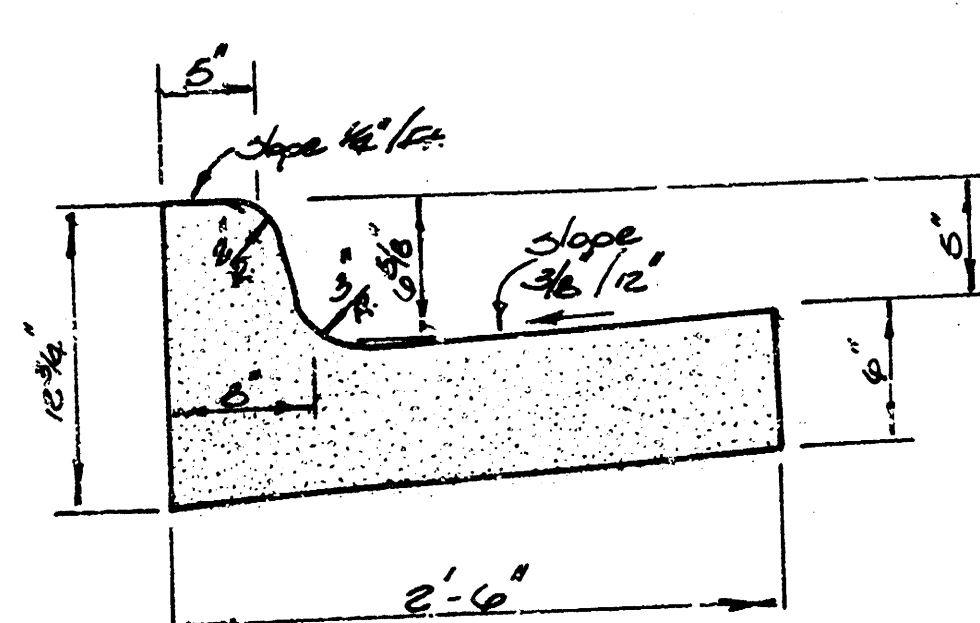


LONGITUDINAL SAWED JOINT FOR CONCRETE VALLEY GUTTER

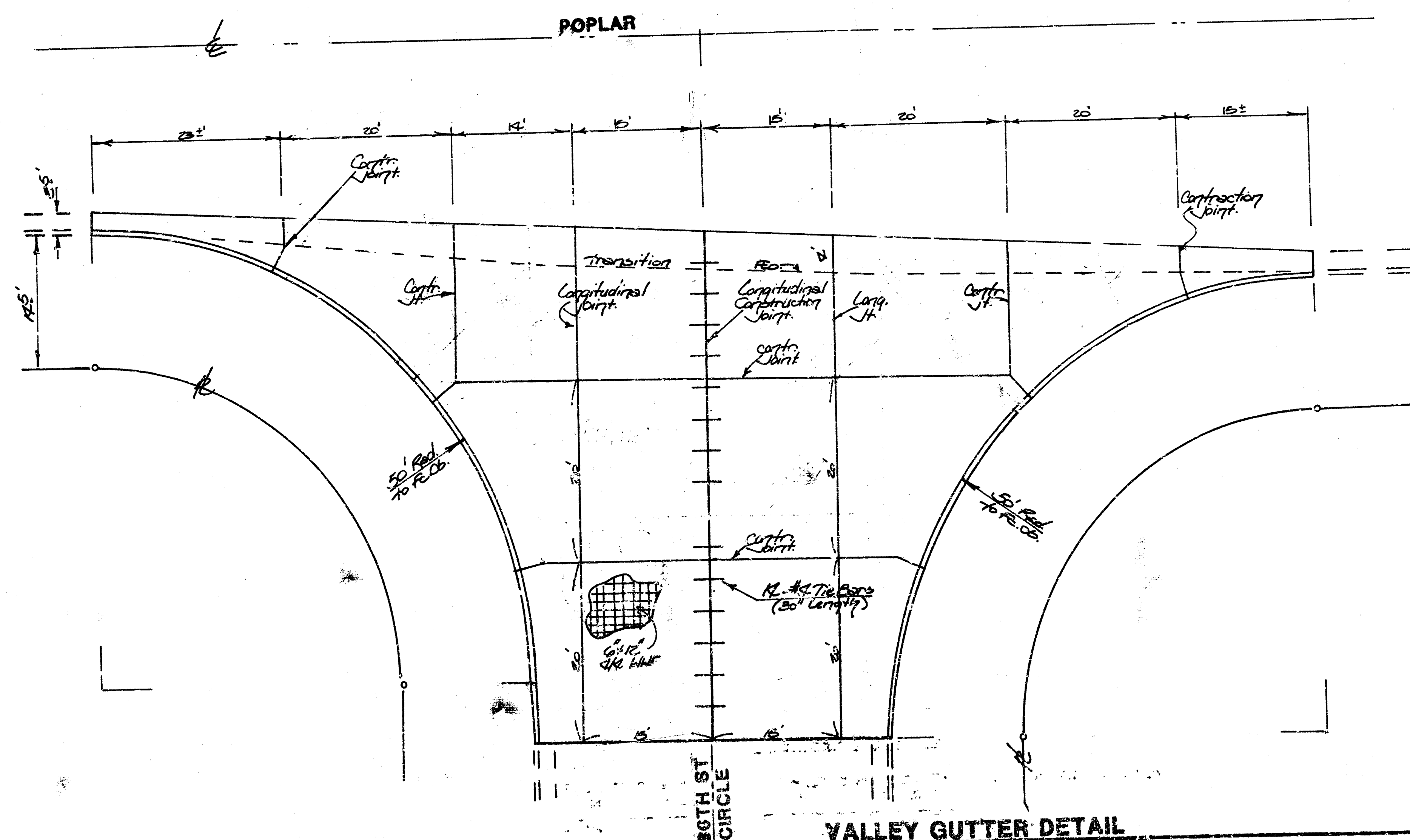
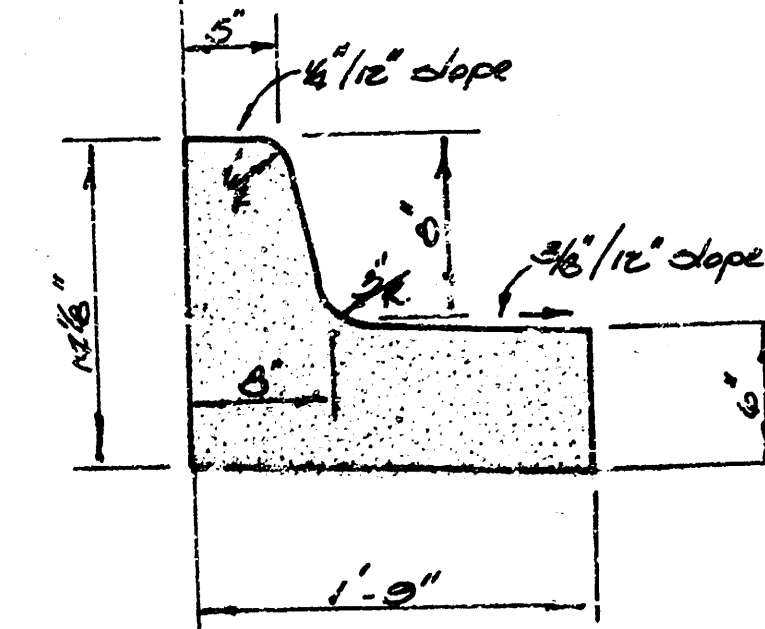


LONGITUDINAL CONSTRUCTION JOINT FOR CONCRETE VALLEY GUTTER

COMBINED CURB & GUTTER



NON-STANDARD MEDIAN COMBINED CURB & GUTTER



VALLEY GUTTER DETAIL

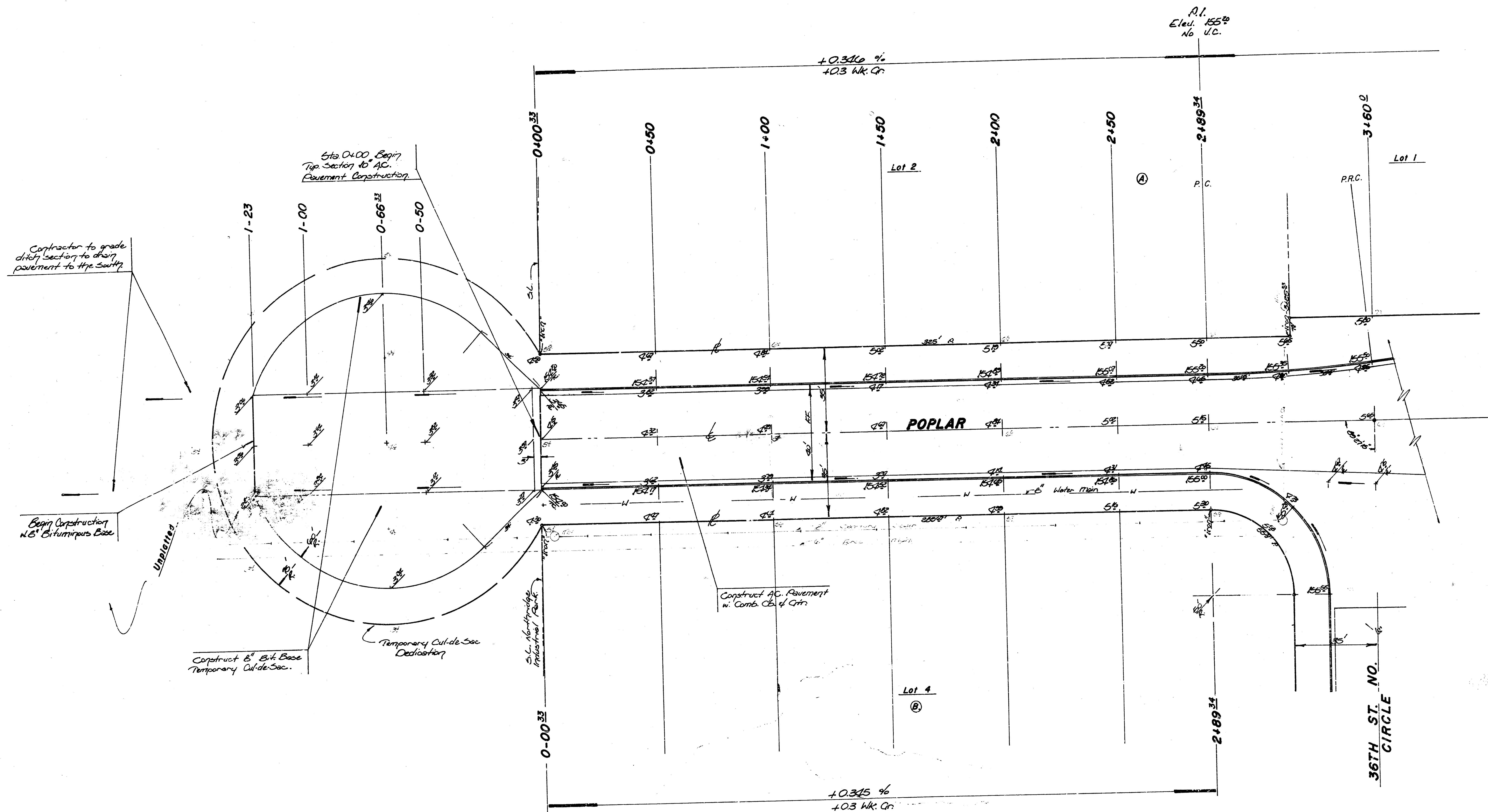
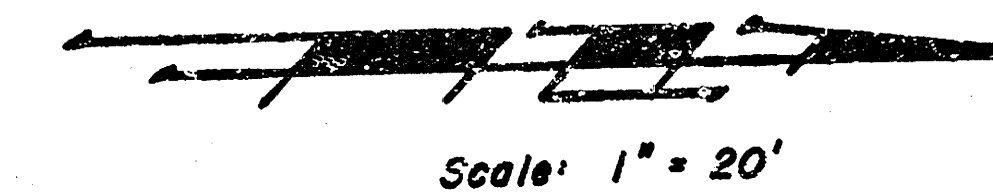
POPLAR
TYPICAL MEDIAN PAVEMENT SECTION.

CITY OF WICHITA, KS.

PROJECT NO.
472-76-245-81343-000-000-001.

3/10

B.M. 143.00 RR spike in Bell pole approx. 78.5' North & 71.2' East of E. of 37th St. No. 4 Poplar.



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.
472-76-243-81348-000-000-001

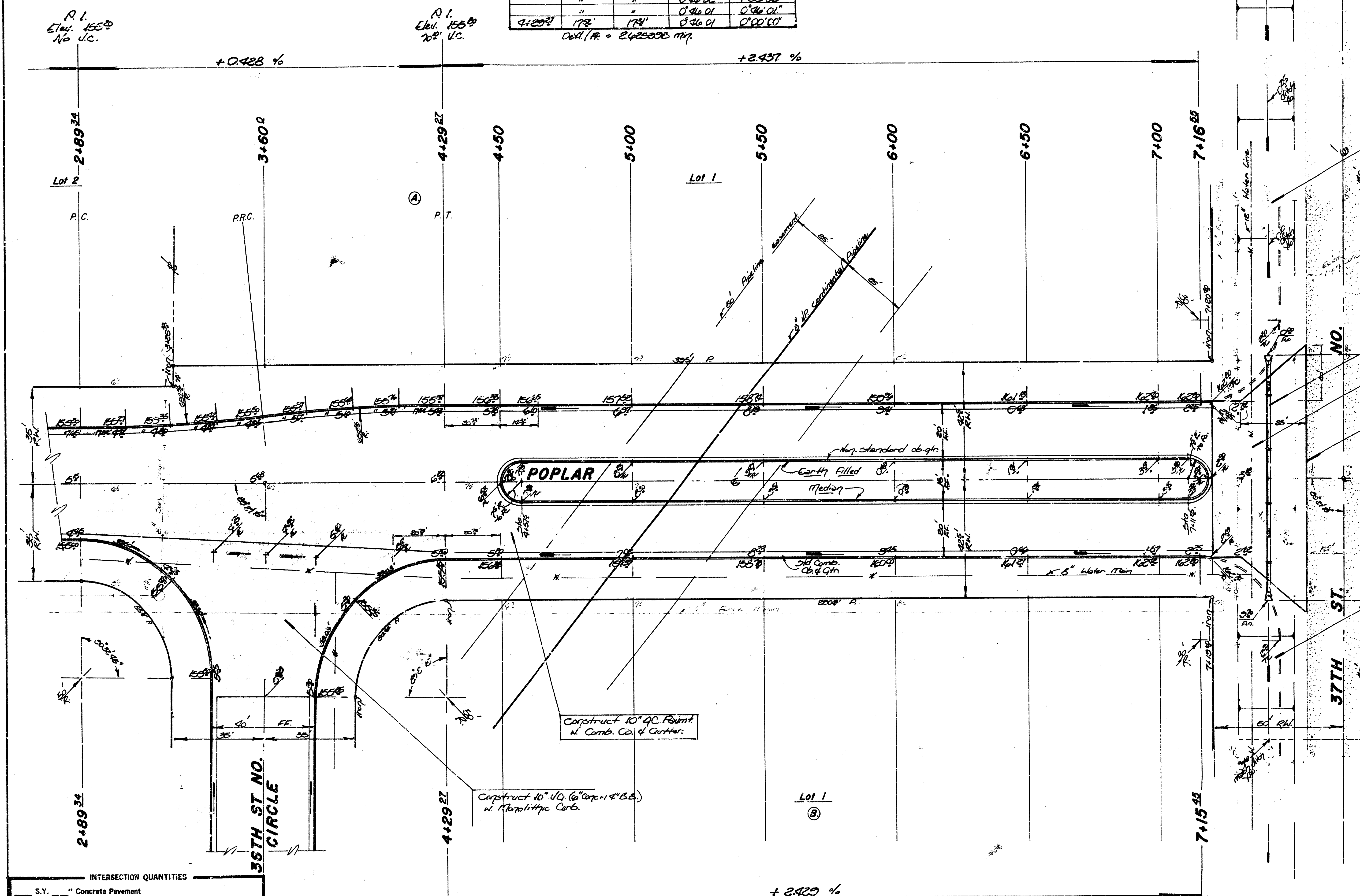
B.M. 163.00 R.R. Spike in Bull Pole approx. 985' N. of 717' E.
of E. 37th St. No. 4 Poplar.

Reverse Curve Data -
P.C. Sta. = 2100+00 Radius = 6547'
P.T. Sta. = 2100+00 L.C. = 70° 08' 10"
C.C. = 70° 08' 10"

Curve Data Based on R.C. 05 46+30' 05"

Sta.	R.C. Sta.	Ch. Length	Ch. Elev.	Total Elev.
2100+00	173'	173'	0' 00' 00"	0' 00' 00"
"	"	"	0' 46' 01"	0' 46' 01"
"	"	"	0' 46' 01"	1' 32' 02"
"	"	"	0' 46' 02"	2' 18' 03"
P.T.	173'	173'	0' 46' 01"	3' 04' 04"
P.R.C.	173'	173'	0' 00' 00"	3' 04' 04"
"	"	"	0' 46' 01"	2' 18' 03"
"	"	"	0' 46' 02"	1' 32' 02"
"	"	"	0' 46' 01"	0' 46' 01"
4+200	173'	173'	0' 46' 01"	0' 00' 00"

Ch. Elev. = 2425000 mm



Contractor to regrade the ditch west of the 18" pipe for a distance of 150'. See ditch section typical.

Install 18" L.F. 18" CMP N. end section.

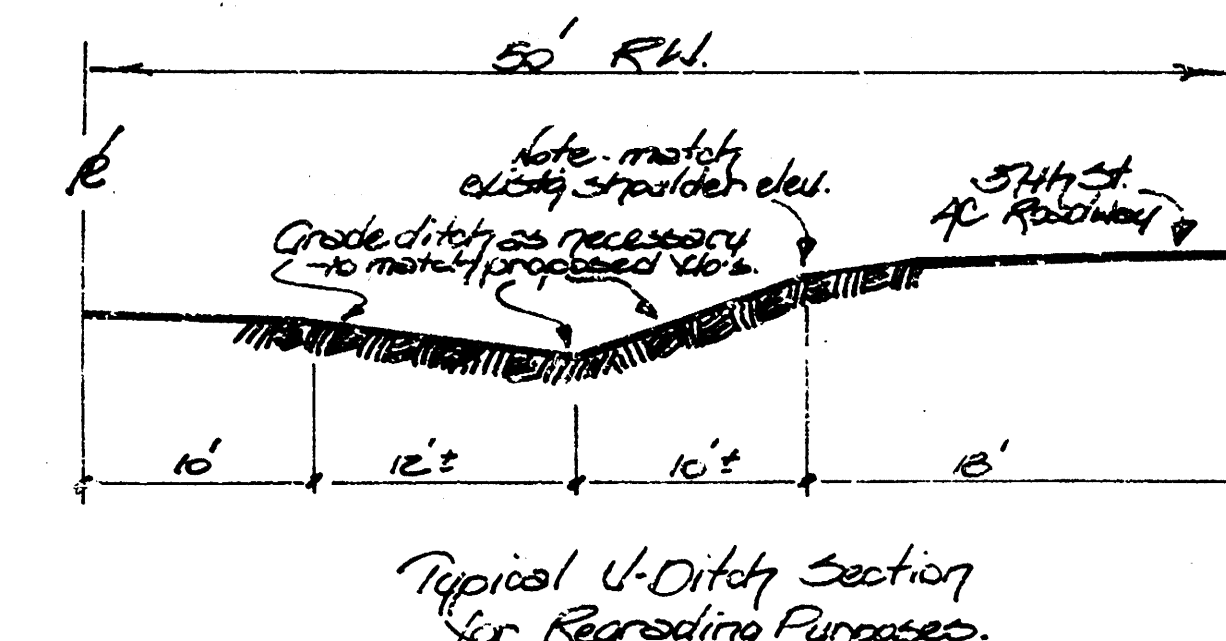
Construct 10" A.C. Hookup

Match Existing Pavement Exp. Construction

Contractor to regrade the ditch east of the 18" pipe for a distance of 50'. See ditch section typical.

Construct 10" A.C. Pavmt. N. Comb. C. of Curbs.

Construct 10" A.C. (6" Comp. + 4" B.B.) N. Metropolitan Curb.



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

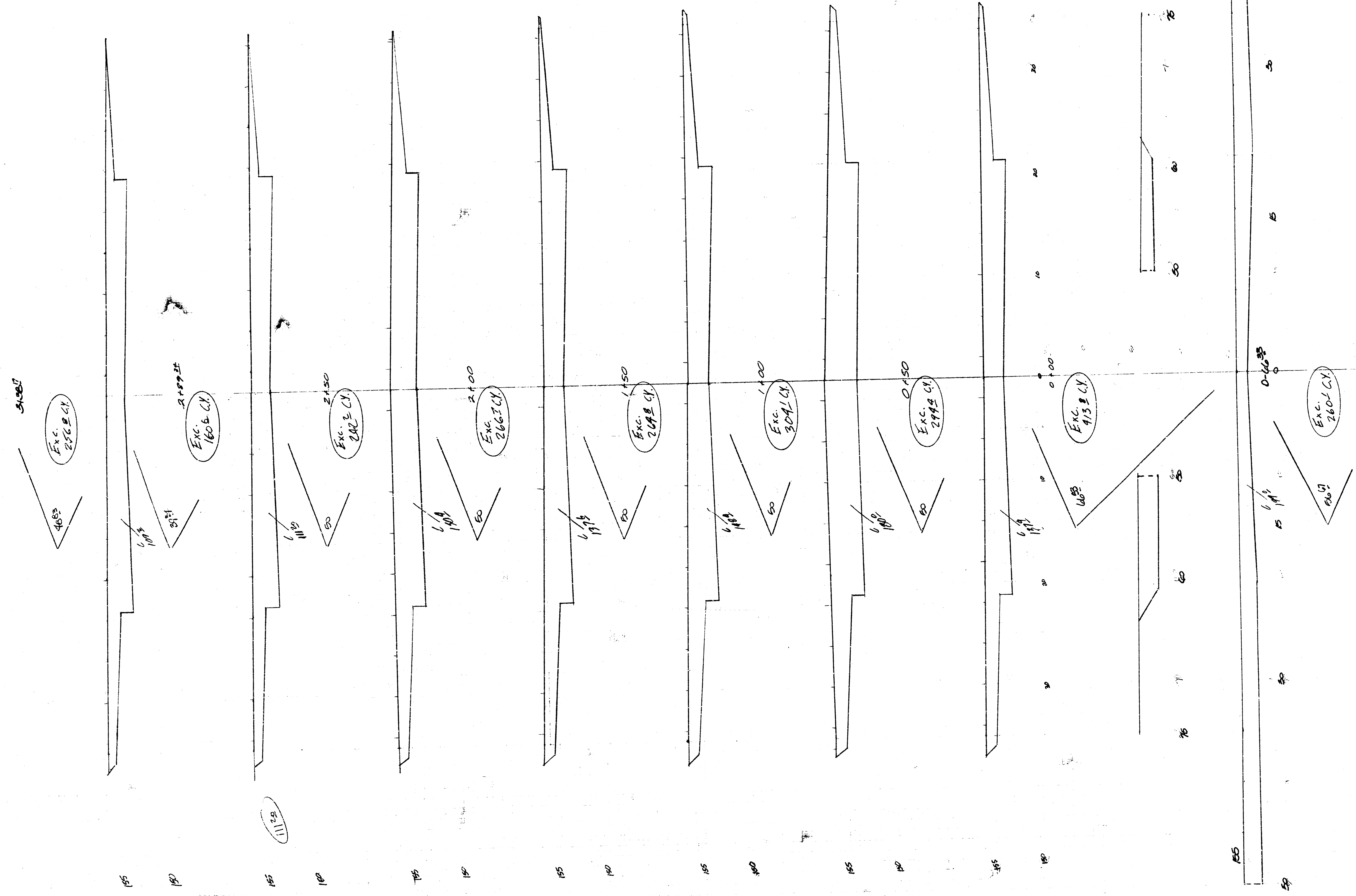
INTERSECTION QUANTITIES

1.00	S.Y.	Concrete Pavement
1.00	S.Y.	Asphaltic Conc. Pavement (3" Bituminous Base)
1.00	S.Y.	Bituminous Base
1.00	L.F.	Combined Curb & Gutter
1.00	L.F.	Integral Curb
1.00	S.F.	4" Wheelchair Ramp
1.00	S.F.	4" Walk
1.00	C.Y.	Excavation
1.00	C.Y.	Compacted Fill
1.00	Lbs.	Reinforcing Steel
1.00	S.Y.	Manipulation
1.00	Tons	Line or Cement
1.00	S.Y.	V.G. Concrete & Asphaltic Concrete Base

POPLAR

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

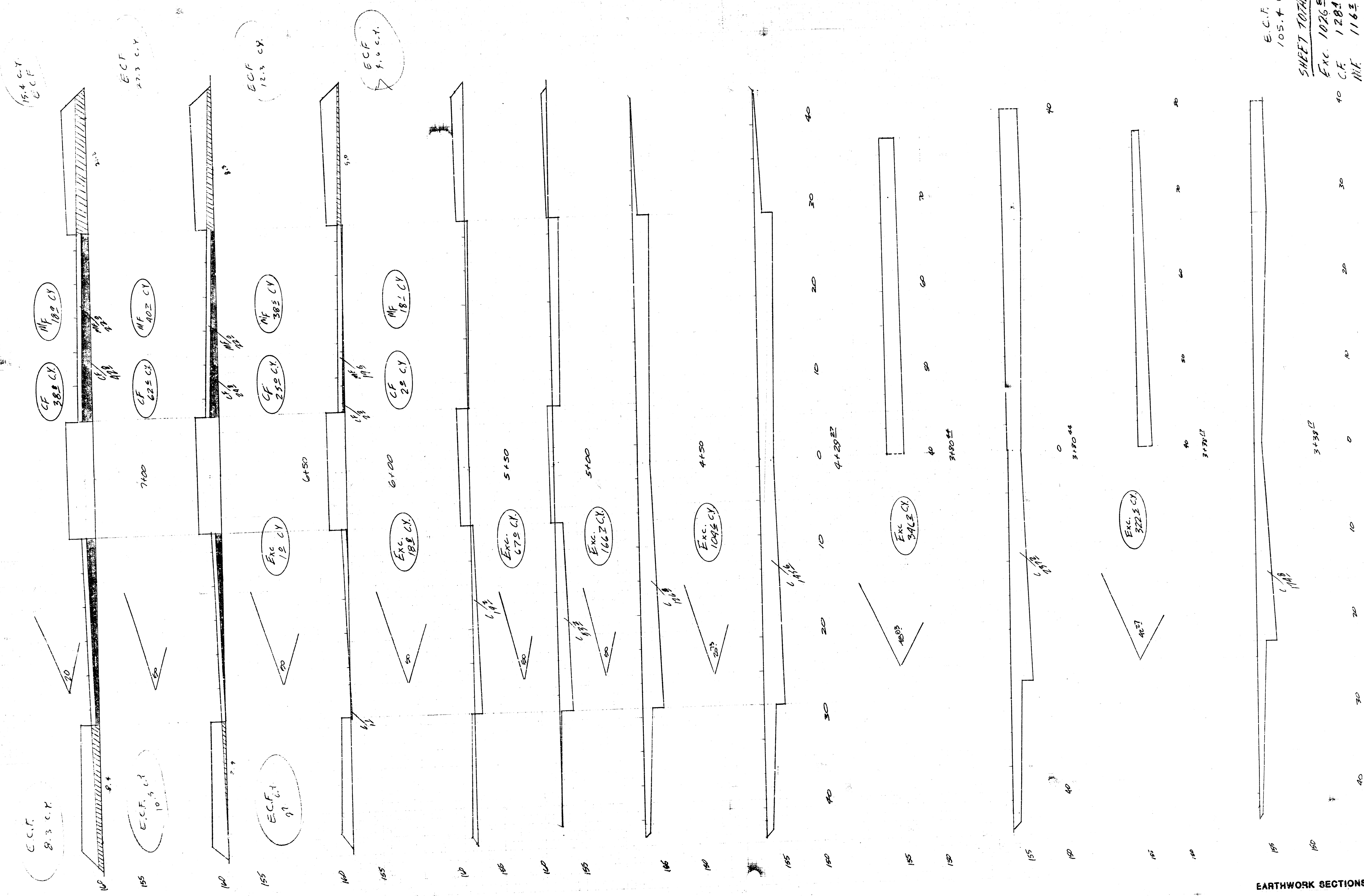
FILED FROM THE BEST



TOTAL E.C.F. 14 0.0 CY.
QUANTITIES
 TOTAL EXCAVATION 3637.2 CY
 TOTAL COMPACT FILL 366.1 CY
 TOTAL MANIPULATED FILL 356.2 CY

SHEET TOTAL
 EXC. 2463 E-CY

Poplar



E.C.F.
105.4 CY

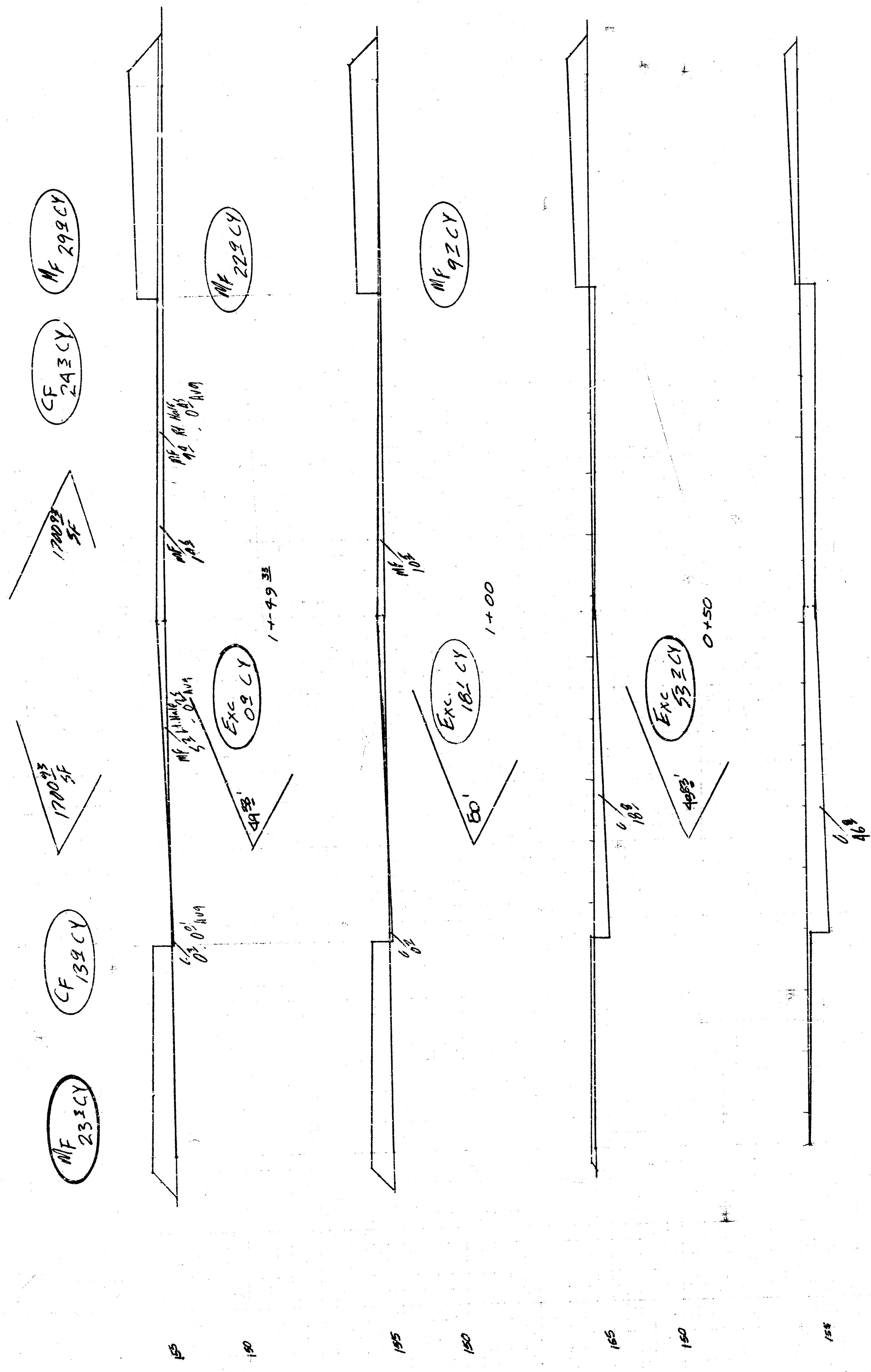
SHEET TOTAL
 Exc. 1026.8 CY
 CF 128.1 CY
 MF 116.3 CY

EARTHWORK SECTIONS

FILMED FROM THE BEST
 10

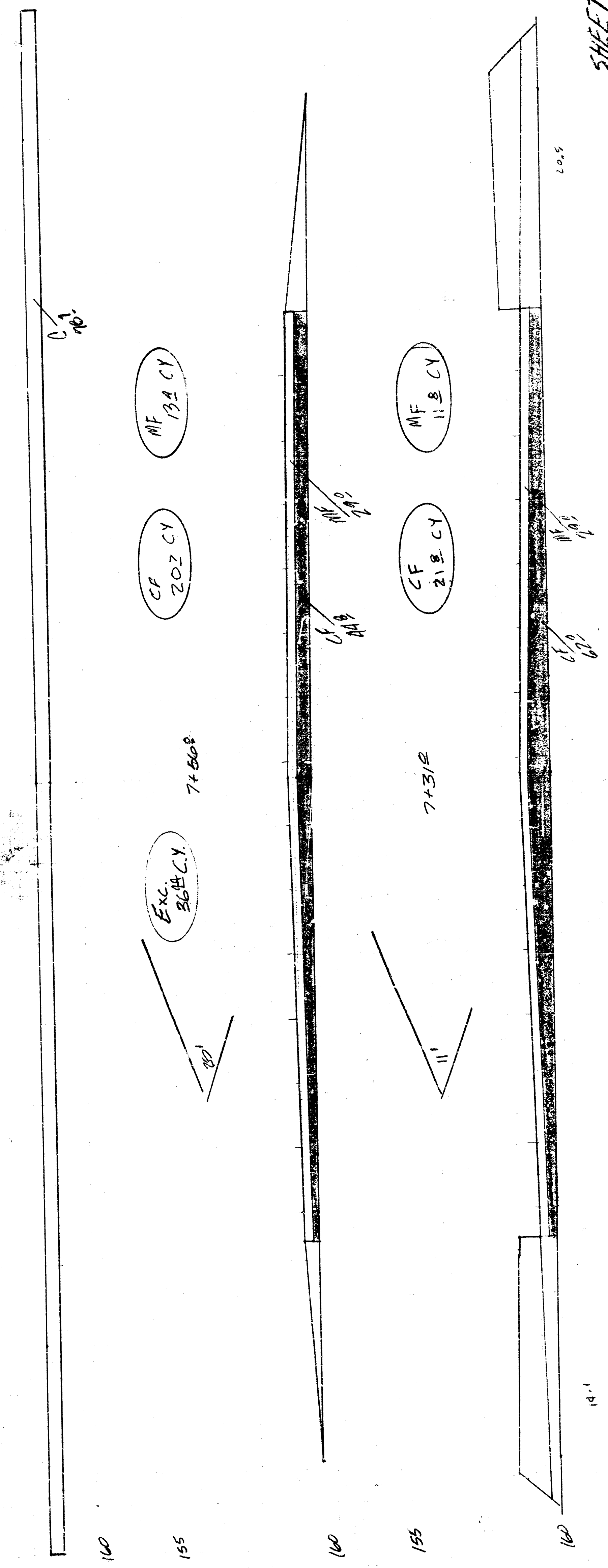
OA

OG



0+06.12

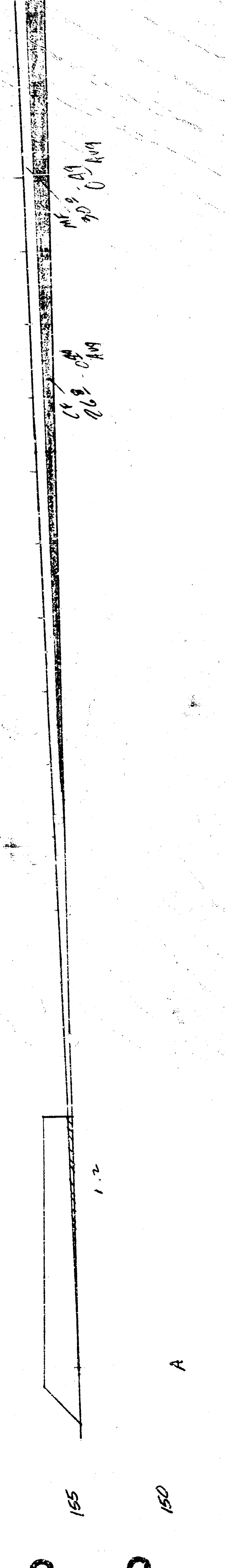
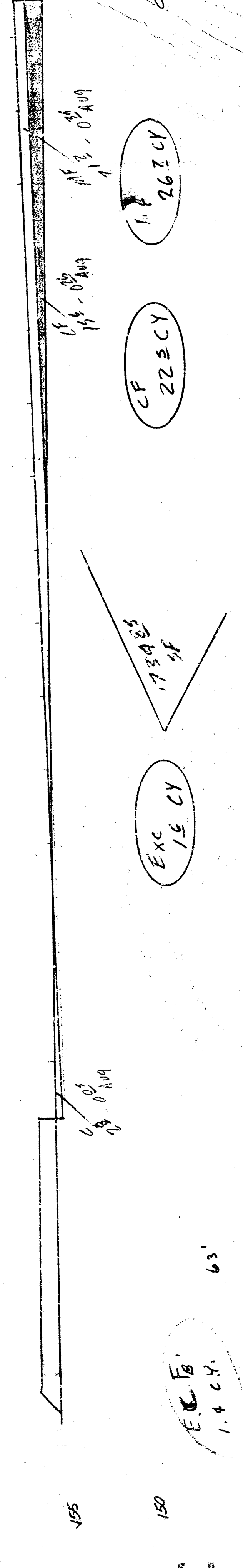
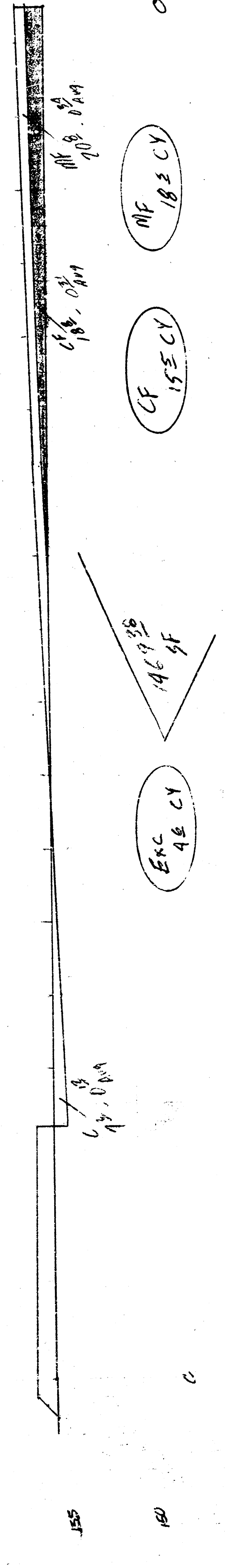
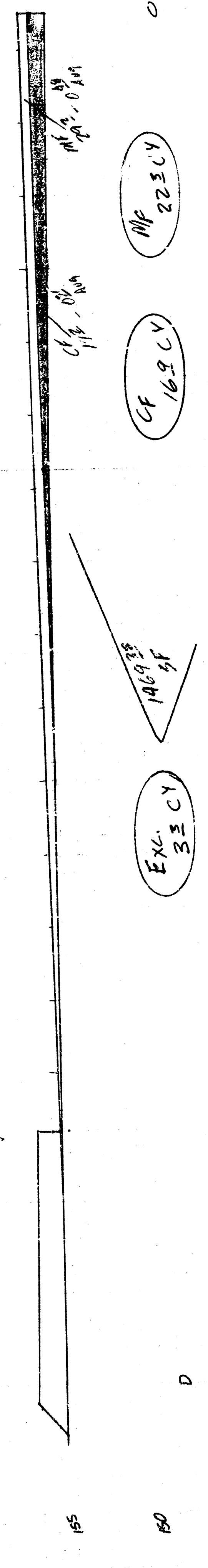
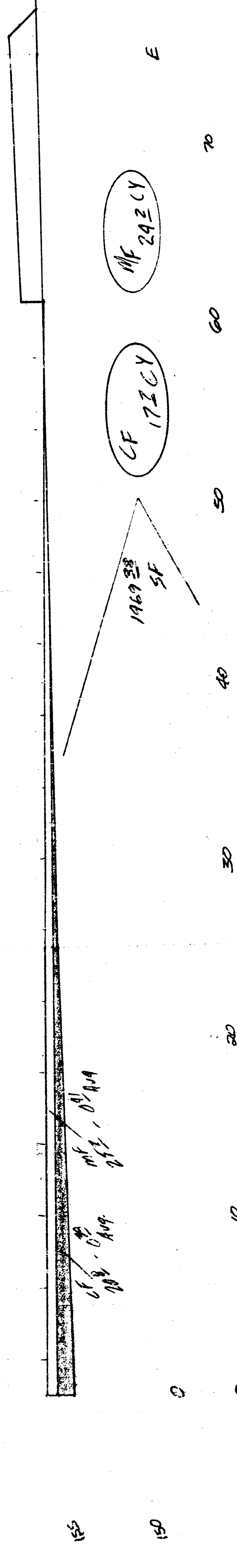
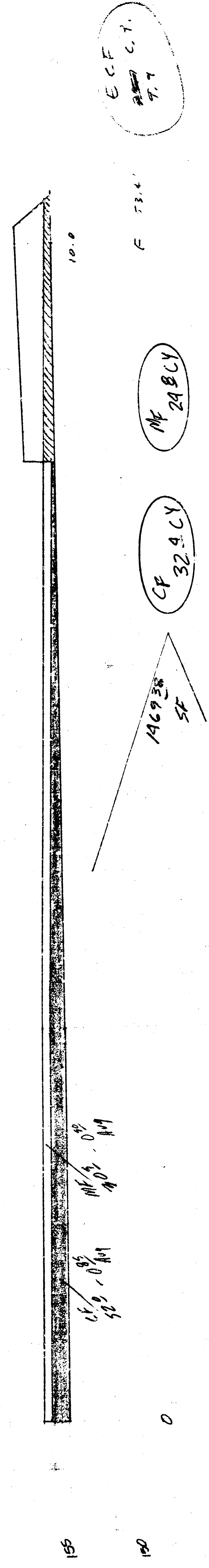
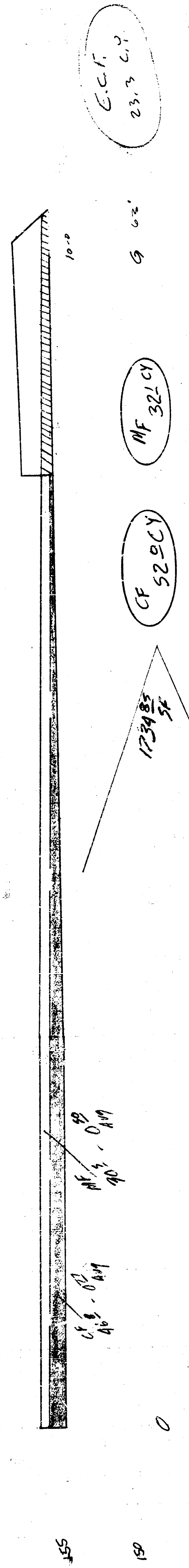
36TH STREET NO. CIRCLE



SHEET TOTAL

Exc	108.6 CY
CF	80.2 CY
MF	111.2 CY

EARTHWORK SECTIONS



E.C.F. 31.6 CY.

SHEET TOTAL

Exc	95 CY
CF	1570 CY
MF	1485 CY

30' ST No Circle