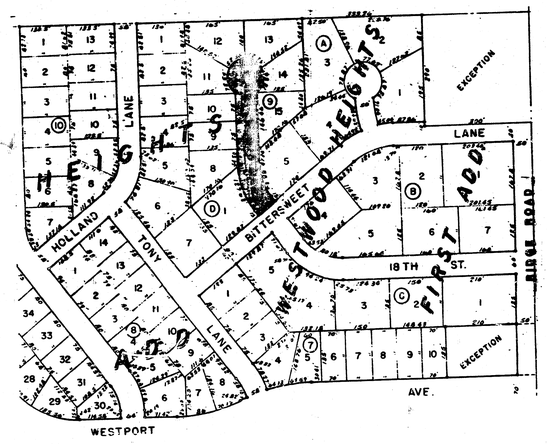
BRUNSWICK CIRCLE

N.L. BITTERSWEET LANE TO & INCL. CUL-DE-SAC

PROJECT NO.
472-76-245-80001-000-000-016
CITY OF WICHITA, KS.



NOTES: CONTRACTOR TO CO-ORDINATE PAVEMENT CONSTRUCTION WITH THE WATER LINE CONSTRUCTION FOR THIS CUL-DE-SAC.
CONTRACTOR TO REGRADE RIGHT-OF-WAY DITCH AREAS ALONG THE N.L. OF BITTERSWEET LANE AS NECESSARY TO DRAIN.
CONTRACTOR TO CONTACT UTILITIES COMPANIES FOR FIELD LOCATIONS PRIOR TO CONSTRUCTION.

NOTICE TO CONTRACTOR

This project will be constructed under the supervision of the CITY ENGINEER and conforming to the SPECIFICATIONS of the CITY OF WICHITA. The CONTRACTOR will pay the City of Wichita for all costs of plan review, inspection and booking per contract.

By CITY ENGINEER OF WICHITA

Sanitary Sewers _____
Storm Sewers _____
Driveway Approaches _____
Water Mains _____
Paving CCB 5-11-86

JERRY WOOTEN LICENSED 6410 PROFESSIONAL ENGINEER

FEBRUARY 1986

BAUGHMAN COMPANY, P.A.
SURVEYING & ENGINEERING
316/683-7271 — 330 LAURA — WICHITA, KANSAS 67211

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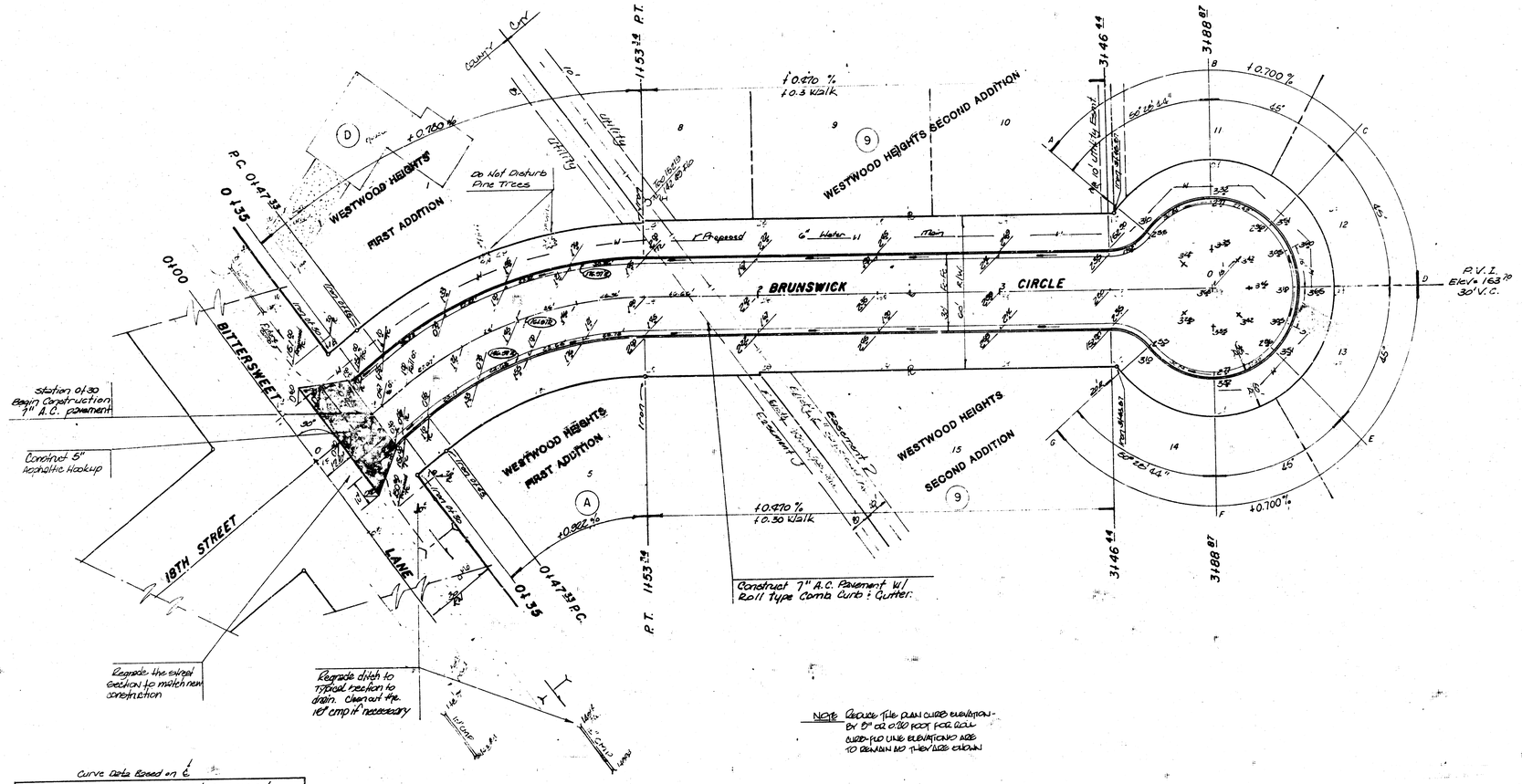
BENCH MARK: 'M' in Mid-Recess on Top of Curb (North Side) Edge of Pavement from West on Bittersweet Lane, Near Lot 1, Block D, Westwood Heights 1st Addition. Elev = 152.00 City Datum

N

SCALE 1" = 20'



Curve Data Based on ℄

Δ = 31°36'00" R = 161.91' L.C. = 104.13' Arc = 106.01'
Tan = 54.96' Def/Ft = 0.176670°

station	Arc	Chord Length 1st Left	Chord Length 2nd Right	cP A	Total def Δ
0+47.33 P.C.	–	–	–	–	0°00'00"
0+50	2.67	3.05		0°28'20"	0°28'20"
0+75	25	28.55	21.45	4°25'15"	4°53'35"
1+00	25	28.55	21.45	4°25'19"	9°18'57"
1+25	25	28.66	21.45	4°25'15"	13°44'12"
1+50	25	28.55	21.45	4°25'15"	18°09'33"
1+53.14 P.T.	3.14	3.61	2.07	0°55'27"	18°45'00"

NOTE Reduce the plan curb elevation by 5" or 0.80 foot for all curb-flo line elevations are to remain as the side crown

EARTHWORK TOTALS

Excavation =	677.18 C.Y.
Loose Fill =	130.16 C.Y.
Manip. Fill =	20.86 C.Y.
Comp. Fill =	5.45 C.Y.

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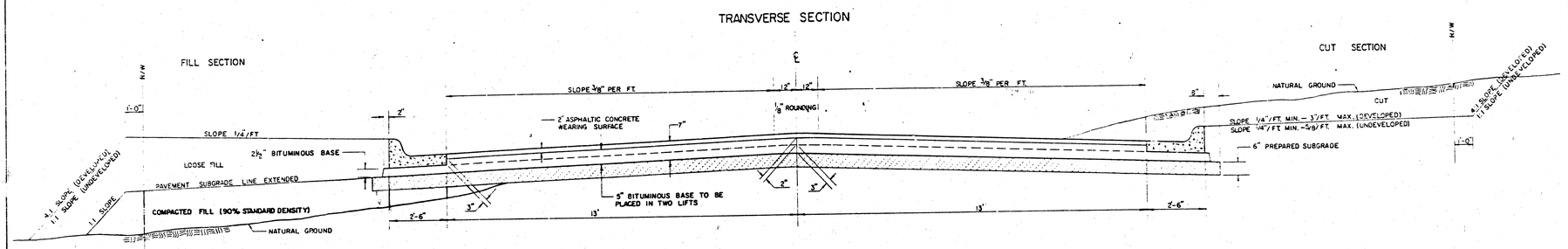
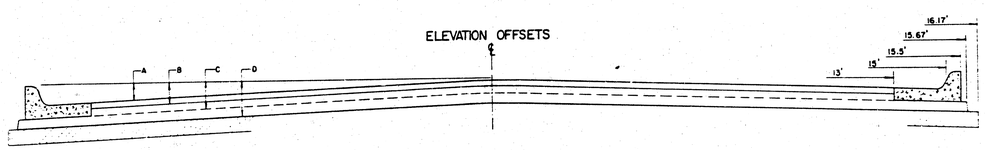
TYPICAL 31' PAVEMENT DETAILS

TRANSVERSE SECTION

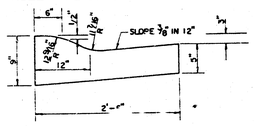


ELEVATION OFFSETS



	DISTANCE FROM CENTERLINE (LT. & RT.)											
	0'	2'	4'	6'	7.5'	10'	12'	13'	15'	15.5'	15.67'	16.17'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.10	0.14	0.21	0.27	0.32	0.39	0.46	0.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.27	0.31	0.38	0.44	0.49	0.56	0.63	0.66	—	—	—	—
C: TOP OF CURBS TO TOP OF LOWER BASE LIFT	0.44	0.49	0.57	0.64	0.70	0.79	0.87	0.90	0.98	1.00	1.00	—
D: TOP OF CURBS TO TOP OF SUBGRADE	0.59	0.73	0.80	0.87	0.93	1.01	1.08	1.12	1.19	1.21	1.21	1.23

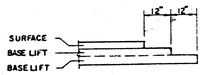
ROLL TYPE COMBINED CURB & GUTTER



GENERAL NOTES

1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).
2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 2 1/2" 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 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).

7 INCH RESIDENTIAL ASPHALTIC CONCRETE PAVEMENT WITH 5 INCH BITUMINOUS BASE
CITY OF WICHITA, KANSAS

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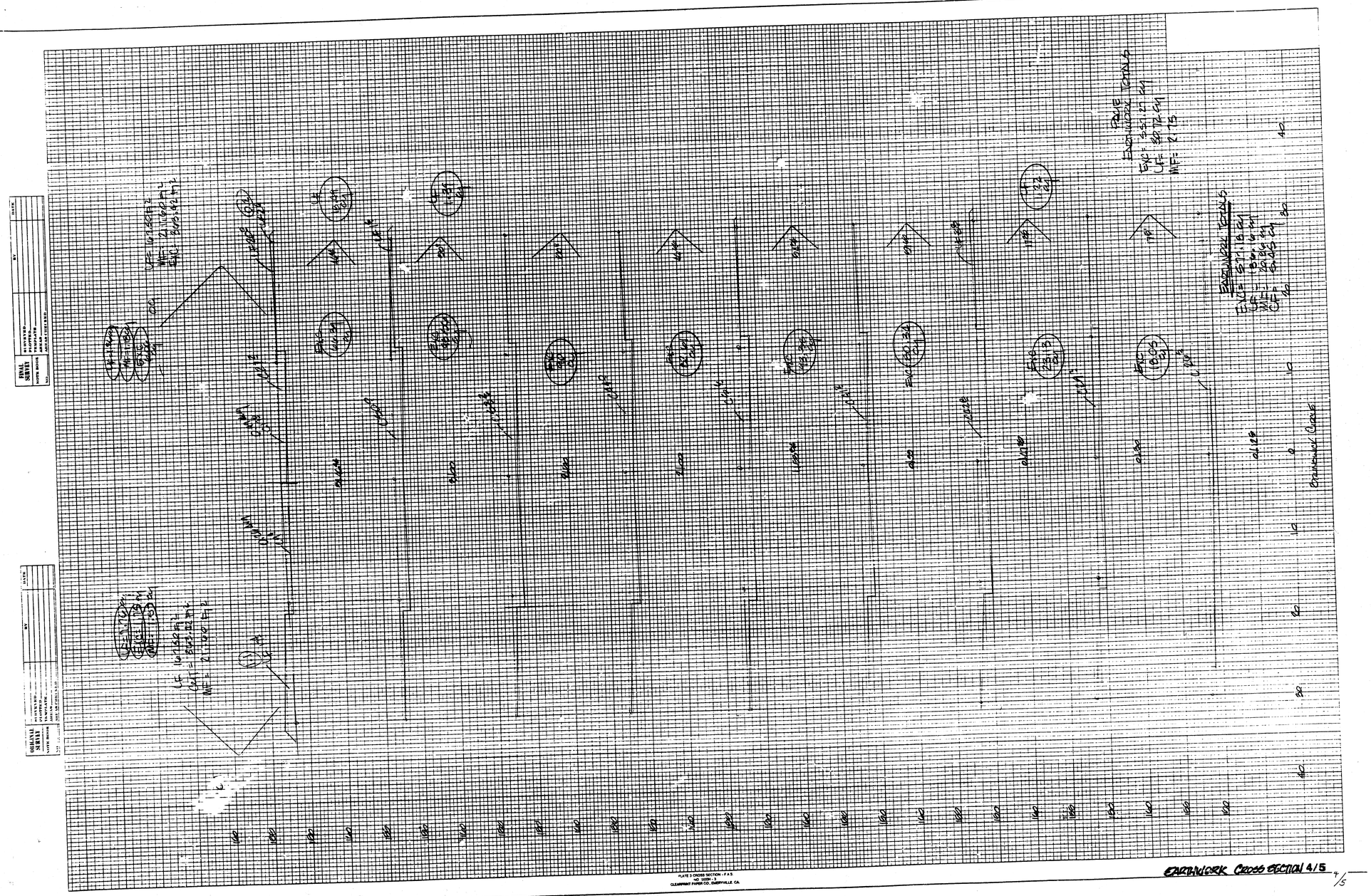
EXISTING GRADE
EXISTING GRADE
EXISTING GRADE

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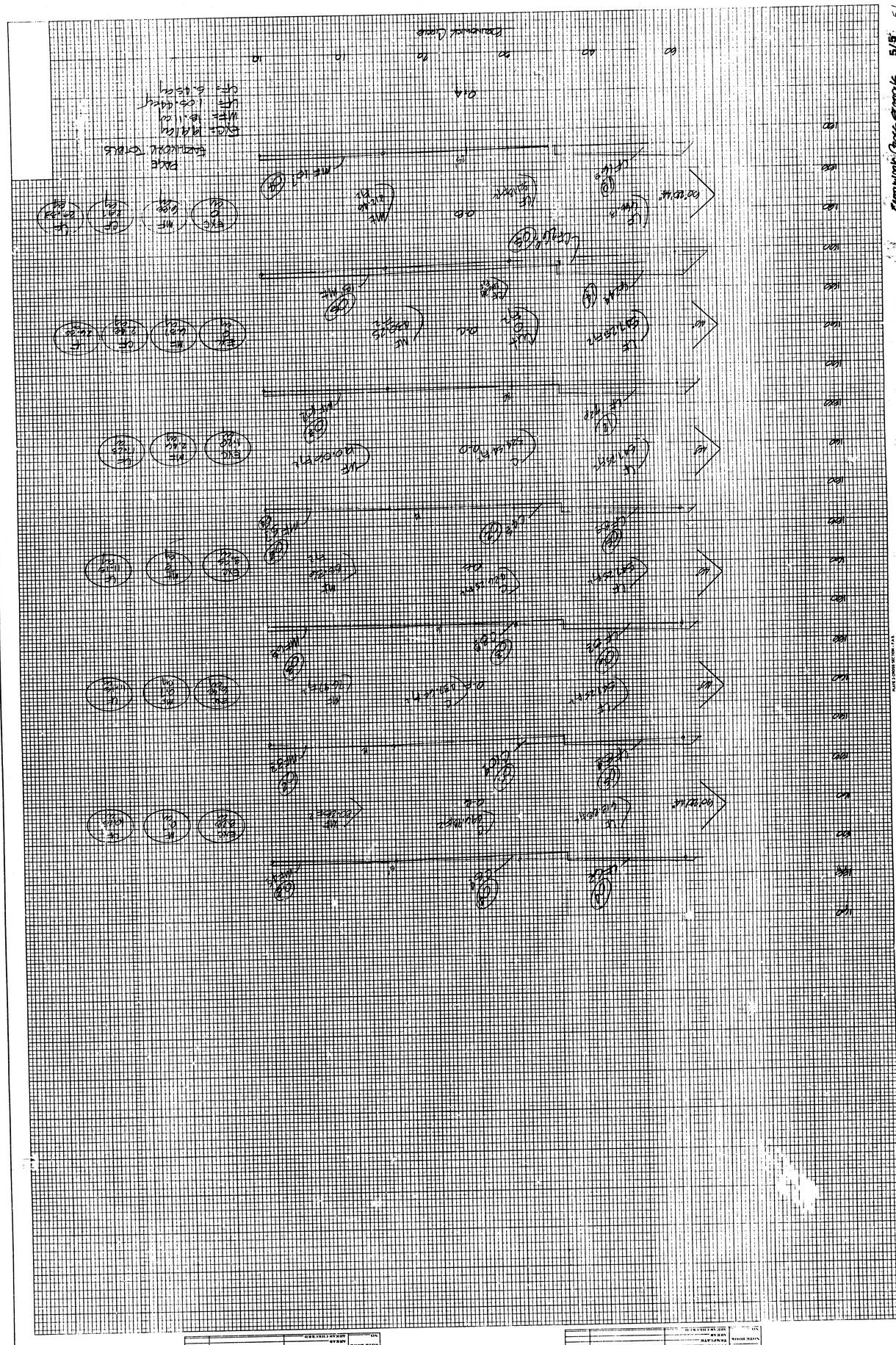

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