WICHITA, KANSAS

STREET IMPROVEMENTS FOR

GOW CIRCLE

CITY OF WICHITA PROJECT NO. 472-76-245-81045-000-000-001

CITY ENGINEER MIKE LINDEBAK

NOTE: ALL ELEVATIONS ARE TO SEA LEVEL DATUM

INDEX TO DRAWINGS

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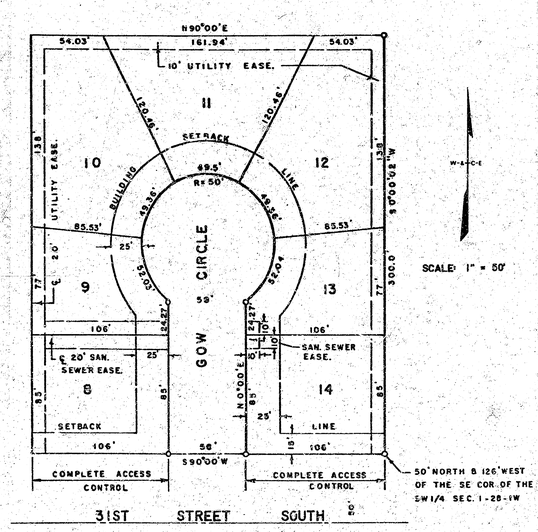
2.	TYPICAL 29' PAVEMENT DETAILS
3.	PAVING PLAN AND GENERAL NOTES
4.	MISCELLANEOUS DETAILS
5.	CROSS-SECTIONS

JANZEN THIRD ADDITION



BENEFIT DISTRICT MAP

JOHN M. OSWALD LICENSED 7994 KANSAS PROFESSIONAL ENGINEER

WILSON & COMPANY ENGINEERS ARCHITECTS
WICHITA - KANSAS

84-322

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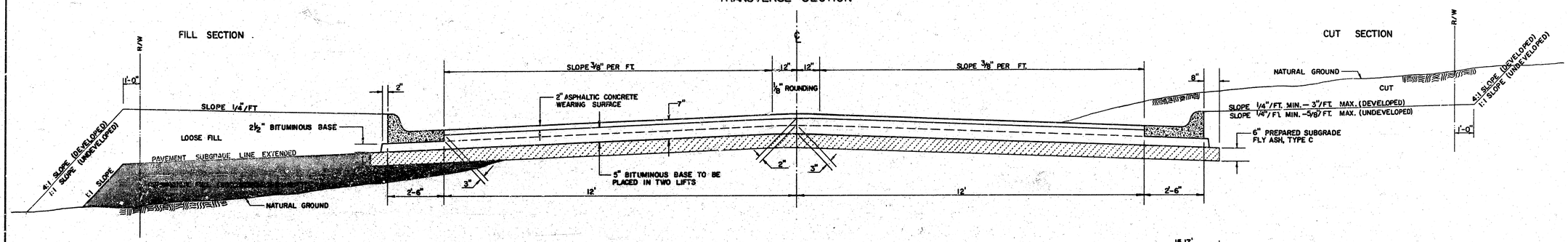
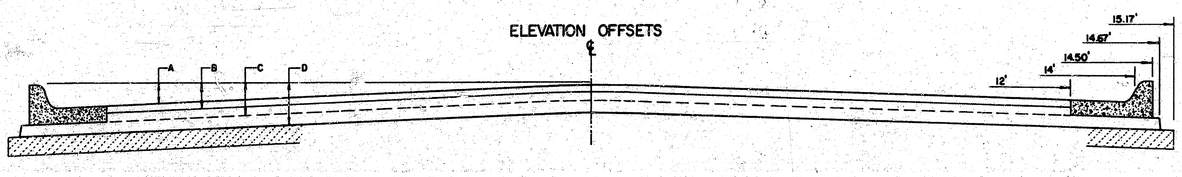
TYPICAL 29' PAVEMENT DETAILS

TRANSVERSE SECTION

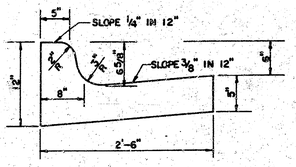


ELEVATION OFFSETS

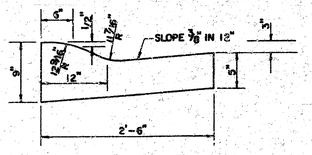


	DISTANCE FROM CENTERLINE (LT. & RT.)											
	0'	2'	4'	6'	7'	8'	10'	12'	14'	14.5'	14.67'	15.17'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.13	0.18	0.24	0.30	0.33	0.36	0.43	0.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.30	0.35	0.41	0.47	0.50	0.53	0.60	0.66	—	—	—	—
C: TOP OF CURBS TO TOP OF LOWER BASE LIFT	0.47	0.52	0.60	0.68	0.71	0.75	0.83	0.90	0.98	1.00	1.01	—
D: TOP OF CURBS TO TOP OF SUBGRADE	0.72	0.77	0.84	0.91	0.94	0.98	1.05	1.12	1.19	1.21	1.21	1.23

COMBINED CURB & GUTTER



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.

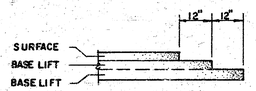
3) A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.

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

PROJECT NUMBER
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84-322

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GENERAL NOTES

1. A saw cut of at least one-half the depth of existing surface courses or one-fourth the depth of the existing total pavement thickness shall be provided at locations where proposed construction abuts an existing surface course or pavement for which partial removal of that surface or pavement is required. Sawed joint to facilitate removal within five (5) feet of existing joints will not be permitted and for such instances the limits of removal shall extend to the existing joint.

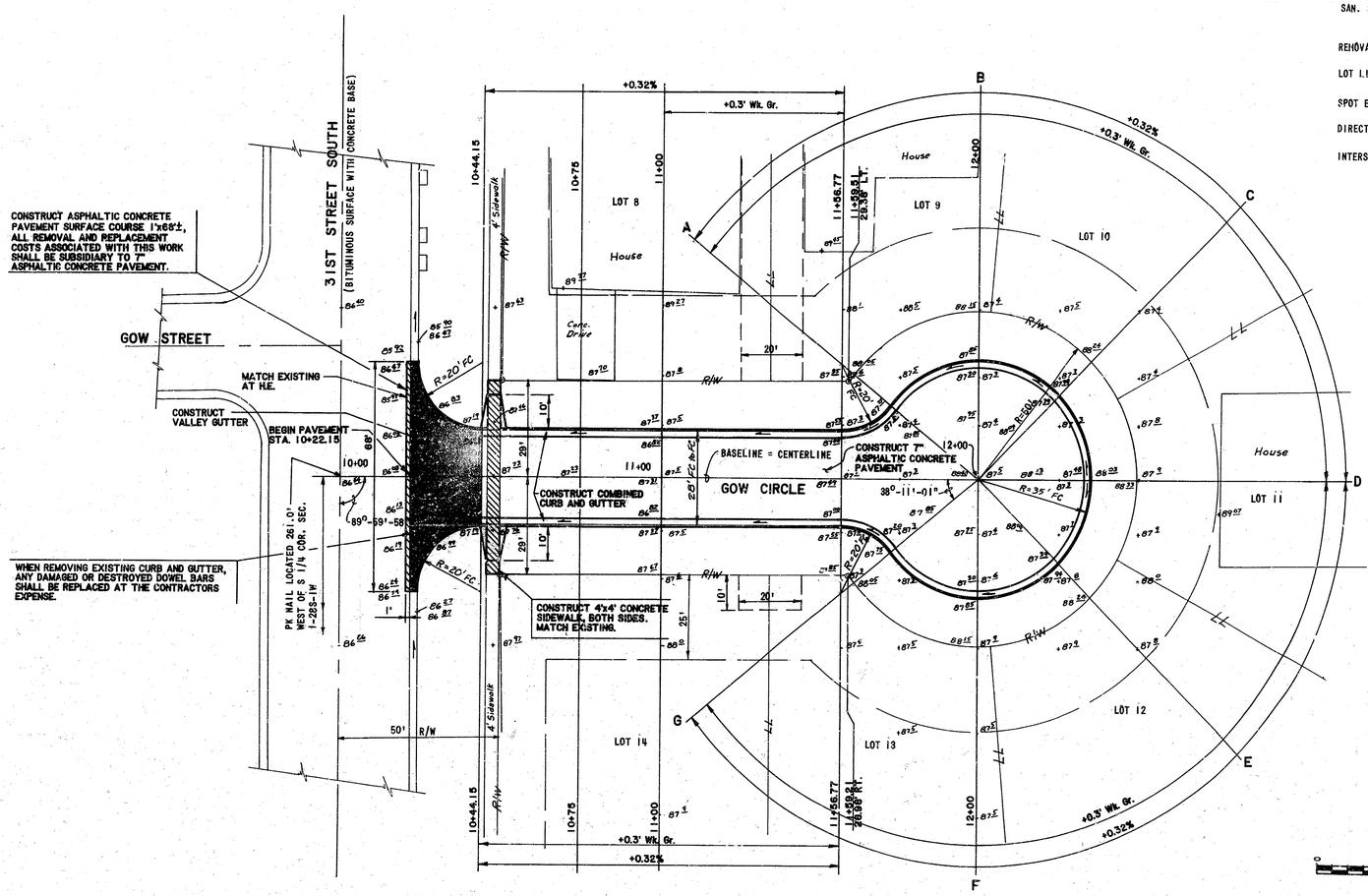
2. Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be disposed of on sites to be provided by the Contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location. Locations that, in the opinion of the Engineer, will leave an unsightly appearance will not be approved.

3. Limits of earthwork shall match existing ground elevations at the right-of-way line unless otherwise noted on the plans with a new finished grade elevation. When a new finished grade elevation is shown, the earthwork shall extend one foot beyond the right-of-way line and then sloped up or down using permissable slopes to match the existing ground surface.

4. Contractor shall give property owners abutting this project, whose yards will be lower than the new finished grade elevations at the right-of-way line, an opportunity to utilize excess excavated material from the project to regrade their yards to drain to the new pavement. Contractor will be required to dump and spread the excess material as required by the specifications when requested by the property owner. The Contractor shall ascertain that a dirt order form has been properly executed by the property owner before any such excess material is delivered to such properties.

5. The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor or a licensed professional engineer in accordance with state laws.

6. Mailboxes within the limits of the project will be removed and replaced by the Contractor as approved by the Engineer. Contractor will be required to make satisfactory provisions for mail delivery to properties affected by this project during its construction.



LEGEND

PROP. PIN (1" ø IRON PIPE) ⊙
BUILDING SETBACK LINE
SAN. SEWER EASEMENT
REMOVAL
LOT LINE
SPOT ELEVATION +89.07
DIRECTION OF FLOW
INTERSECTION QUANTITIES

SCALE IN FEET
0 20 40 60 80

TBM NO. 1:
DISC LOCATED ON TOP OF EAST END OF SOUTH HANDRAIL TO REINFORCED CONCRETE BOX AT SHERIDAN AND 31st STREET SOUTH
ELEV. = 1290.97

EARTHWORK

EXCAVATION

X-SECTION	346.2 C.Y.
10%	34.6 C.Y.
TOTAL	380.8 C.Y.
MANIPULATION	975.0 C.Y.

INTERSECTION QUANTITIES

—	S.Y. ____" Concrete Pavement
—	S.Y. ____" Asphaltic Conc. Pavement (____" Bituminous Base)
—	S.Y. ____" Bituminous Base
—	L.F. Combined Curb & Gutter
63	L.F. Integral Curb
—	S.F. 4" Wheelchair Ramp
—	S.F. 4" Walk
—	C.Y. Excavation
—	C.Y. Compacted Fill
—	Lbs. Reinforcing Steel
99	S.Y. Manipulation
—	Tons Lime or Cement
94	S.Y. V.G. 5" Concrete & 2" Asphaltic Concrete Base

WICHITA, KANSAS
GOW CIRCLE
PAVING PLAN

CITY OF WICHITA PROJECT NO. 472-76-245-81045-000-000-001

REVISION	DATE	BY

DESIGN: BAB | DRAWN: BAB/MEK

WILSON & COMPANY ENGINEERS & ARCHITECTS
WICHITA — KANSAS

DATE: AUG. 1984
FILE NO. 84-322
SHEET NO. 3 OF 5

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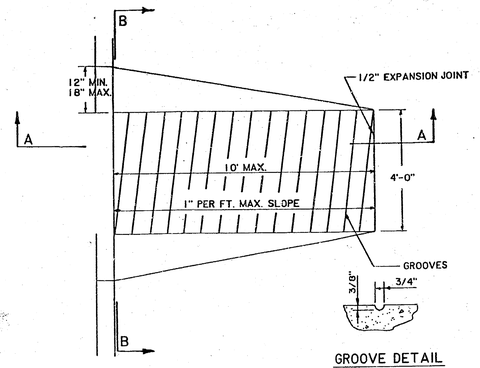
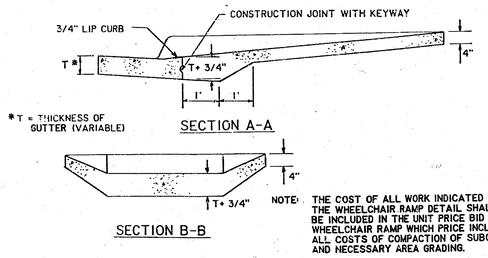
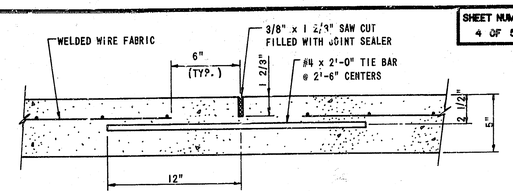


GROOVE DETAIL

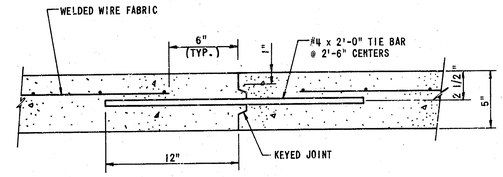


NOTE: THE COST OF ALL WORK INDICATED ON THE WHEELCHAIR RAMP DETAIL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR WHEELCHAIR RAMP WHICH PRICE INCLUDES ALL COSTS OF COMPACTION OF SUBGRADE AND NECESSARY AREA GRADING.

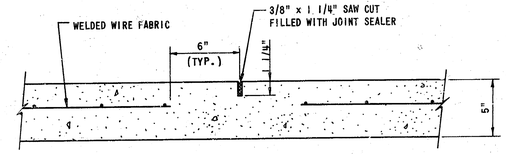
WHEELCHAIR RAMP DETAILS



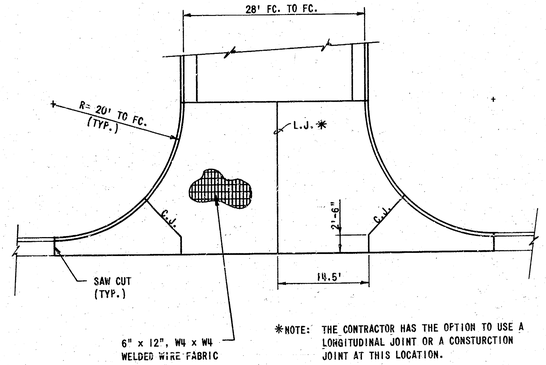
LONGITUDINAL JOINT (L.J.) DETAIL



CONSTRUCTION JOINT DETAIL



CONTRACTION JOINT (C.J.) DETAIL



*NOTE: THE CONTRACTOR HAS THE OPTION TO USE A LONGITUDINAL JOINT OR A CONSTURCTION JOINT AT THIS LOCATION.

VALLEY GUTTER PLAN

WICHITA, KANSAS
GOW CIRCLE
MISCELLANEOUS DETAILS

CITY OF WICHITA PROJECT NO. 472-78-245-81045-000-000-001

REVISION	DATE	BY

DESIGN	DRAWN
JMO	MEK

WILSON & COMPANY ENGINEERS & ARCHITECTS
WICHITA — KANSAS

DATE: AUG. 1984
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SHEET NUMBER
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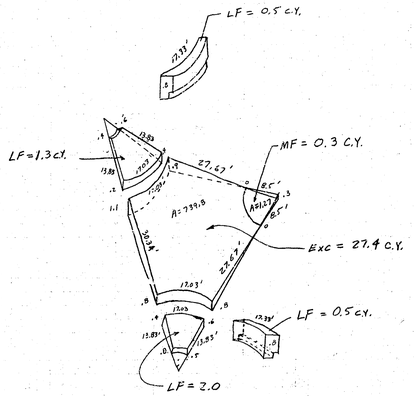

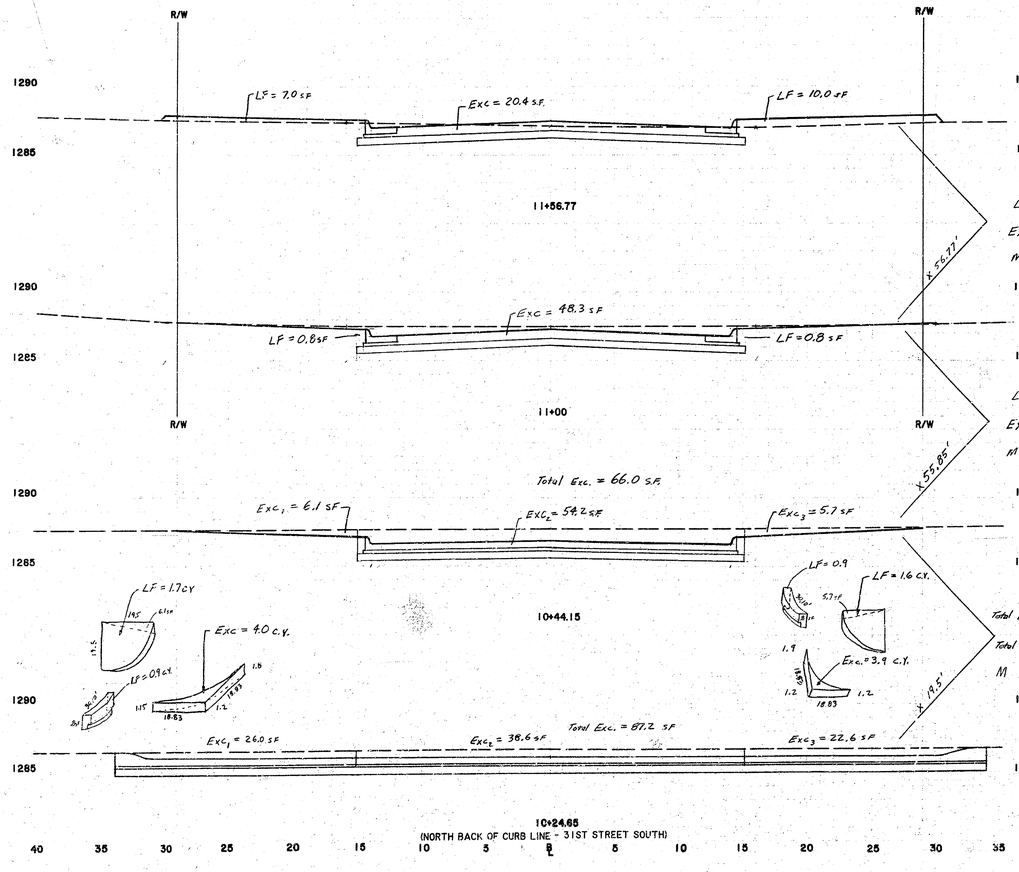

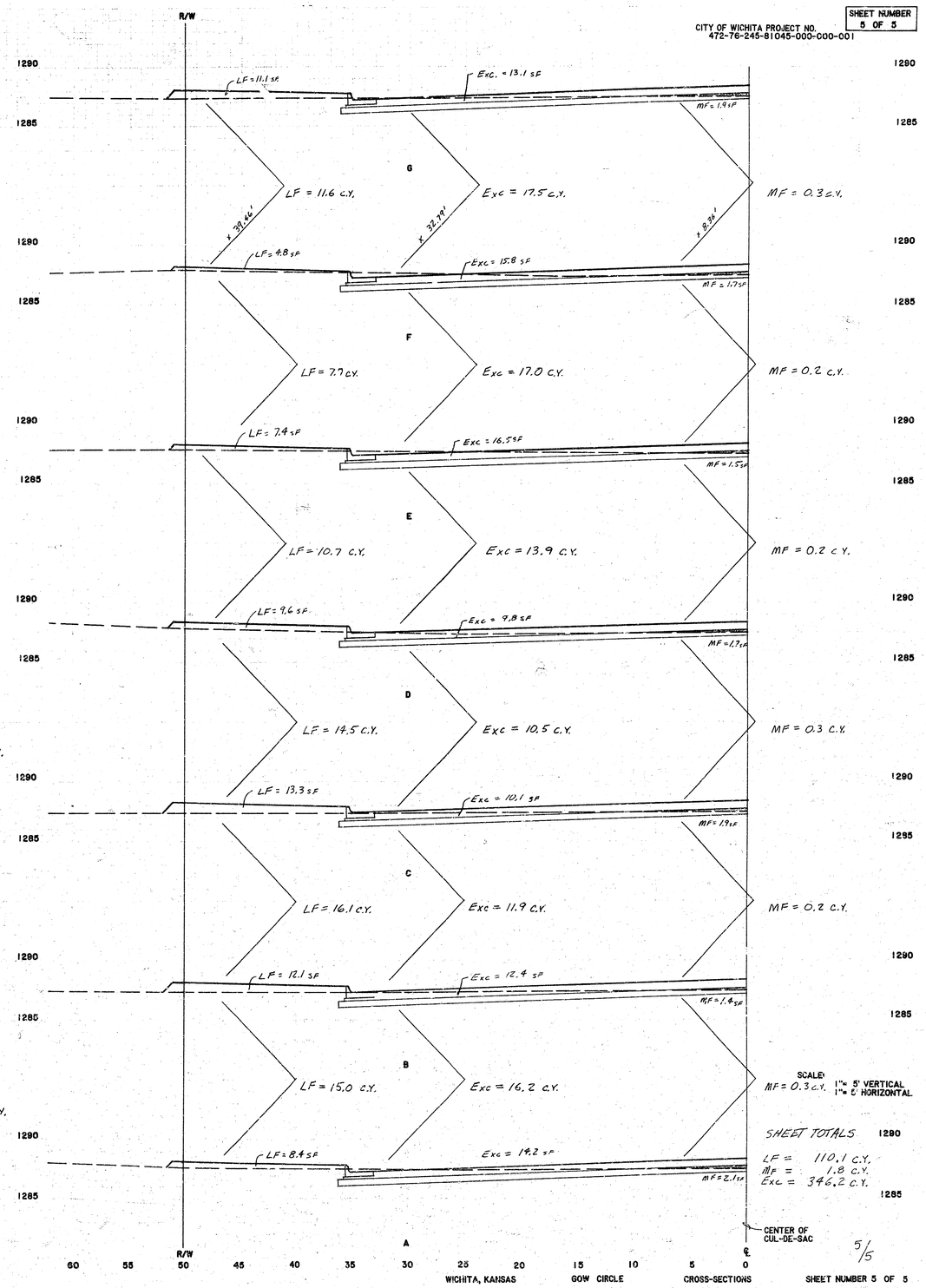

SCALE:
MF = 0.3 c.y. 1"= 5' VERTICAL
1"= 5' HORIZONTAL

SHEET TOTALS

LF = 110.1 c.y.
MF = 1.8 c.y.
Exc = 346.2 c.y.

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WICHITA, KANSAS GOW CIRCLE CROSS-SECTIONS SHEET NUMBER 5 OF 5

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