INDEX OF SHEETS

1. TITLE SHEET
2. TYPICAL SECTIONS
3. PLAN SHEET
4-6 CROSS SECTIONS

THIS PROJECT TO BE CONSTRUCTED WITH ROLL CURB & GUTTER.

CITY OF WICHITA, KANSAS

STREET IMPROVEMENTS

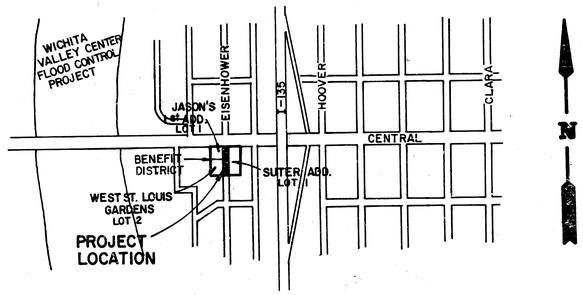
(EISENHOWER AVENUE)

EISENHOWER AVE. FROM THE SOUTH LINE OF LOT 1, SUTER ADD. AND THE SOUTH LINE OF LOT 2 WEST ST. LOUIS GARDENS ADDITION TO THE SOUTH LINE OF CENTRAL AVE.

MICHAEL E. LINDEBAK, CITY ENGINEER

OCTOBER, 1986

PROJ. NO. 472-76-245-81554-000-000-001



DES. J.G. DR. K.D.O. TR. CKD. APP. W.F. PLOT J.G. SURV. J.G.

EARTHWORK

EXCAVATION	COMP. FILL (90%)
117.5 CU YDS	3.3 CU. YDS
+10% 11.8 " "	+10% 0.5 " "
129.3 CU YDS	5.0 CU YDS.
	MANIPULATION
	814 SQ YDS

BORROW EXCAVATION
(Contr. Furn.)- APPROXIMATELY 30 CU YDS @ COST FOR CONTRACTOR FURNISHED BORROW EXCAVATION IS TO BE INCLUDED IN THE BID ITEM 7" ASPHALTIC CONCRETE PAVEMENT. (5" BIT. BASE.

PLANS PREPARED BY

Bucher/Freund

Engineers Architects Planners

WICHITA, KANSAS

7017

Steven A. Backberg

GENERAL NOTES

Interurban traffic generated outside the project area is not to be carried through construction. Local business generated within the project area is to be carried through construction. "The cost of traffic handling through construction shall be considered subsidiary to other bid items."

Utility service lines, poles, valve boxes, meters, etc., are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.

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.

This project includes a certain amount of roll-type curb construction. Roll curbs shall be depressed through all driveway opening when such drives are constructed as a part of the project. No more than 4 drives 24 feet in width, or equivalent combinations thereof, are to be constructed with this project.

Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.

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 permissible slopes to match the existing ground surface.

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.

Driveway widths and locations shown on the plan are tentative. Contractor will be required to obtain properly executed dirveway request form signed by property owner or his authorized representative verifying such driveway widths and locations. Such forms shall be submitted to the Engineer for his review and approval.

The Contractor shall adjust Water Meter, or Valve Boxes and Fire Hydrants as directed by the Engineer at the price bid for said adjustments. The Water Department shall field locate water valves one time during construction when requested by the contractor. It shall be the contractor's responsibility to preserve such field locations during the construction process. Water valves, water valve boxes or fire hydrants damaged during construction shall be repaired by the contractor at his own expense.

The Contractor shall give all property owners and/or tenants of developed property abutting the project limits a minimum of ten (10) days advance notice prior to start of construction.

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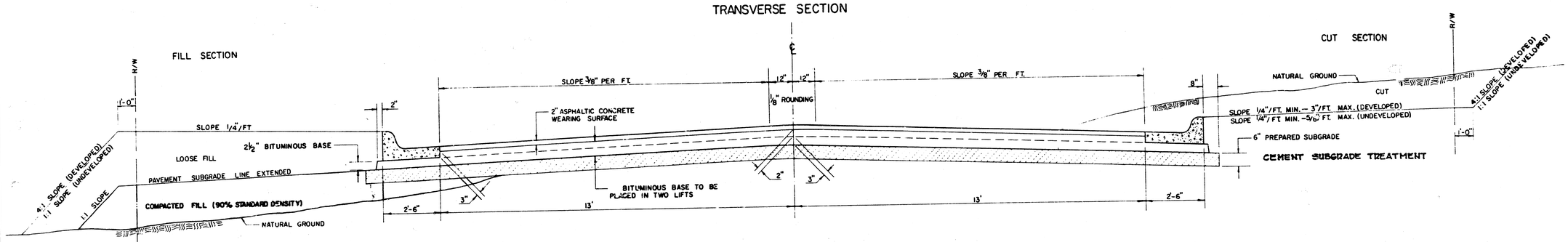
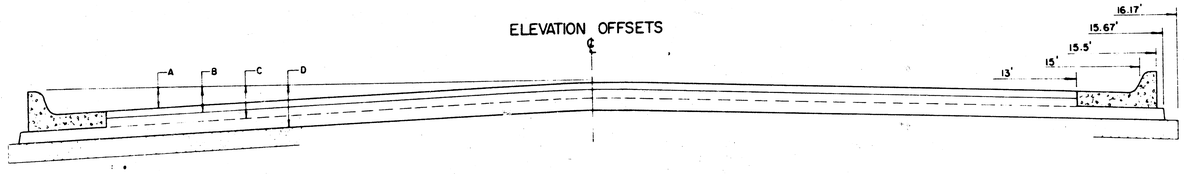
TYPICAL 31' PAVEMENT DETAILS

TRANSVERSE SECTION

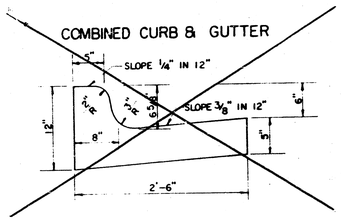


ELEVATION OFFSETS

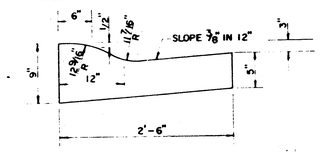


	DISTANCE FROM CENTERLINE (LT. & RT.)											
	0'	2'	4'	6'	7.5'	10'	12'	13'	15'	15.5'	15.67'	16.17'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.10	0.14	0.21	0.27	0.32	0.39	0.46	0.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.27	0.31	0.38	0.44	0.49	0.56	0.63	0.66	—	—	—	—
C: TOP OF CURBS TO TOP 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	0.69	0.73	0.80	0.87	0.93	1.01	1.08	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.

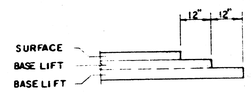
3) A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.

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).

THIS PROJECT TO BE CONSTRUCTED WITH ROLL CURB & GUTTER.

7 INCH RESIDENTIAL ASPHALTIC CONCRETE PAVEMENT WITH 5 INCH BITUMINOUS BASE

CITY OF WICHITA, KANSAS

PROJECT NUMBER

CITY OF WICHITA PROJ. NO. 472 76 245 81554 000 000 0111

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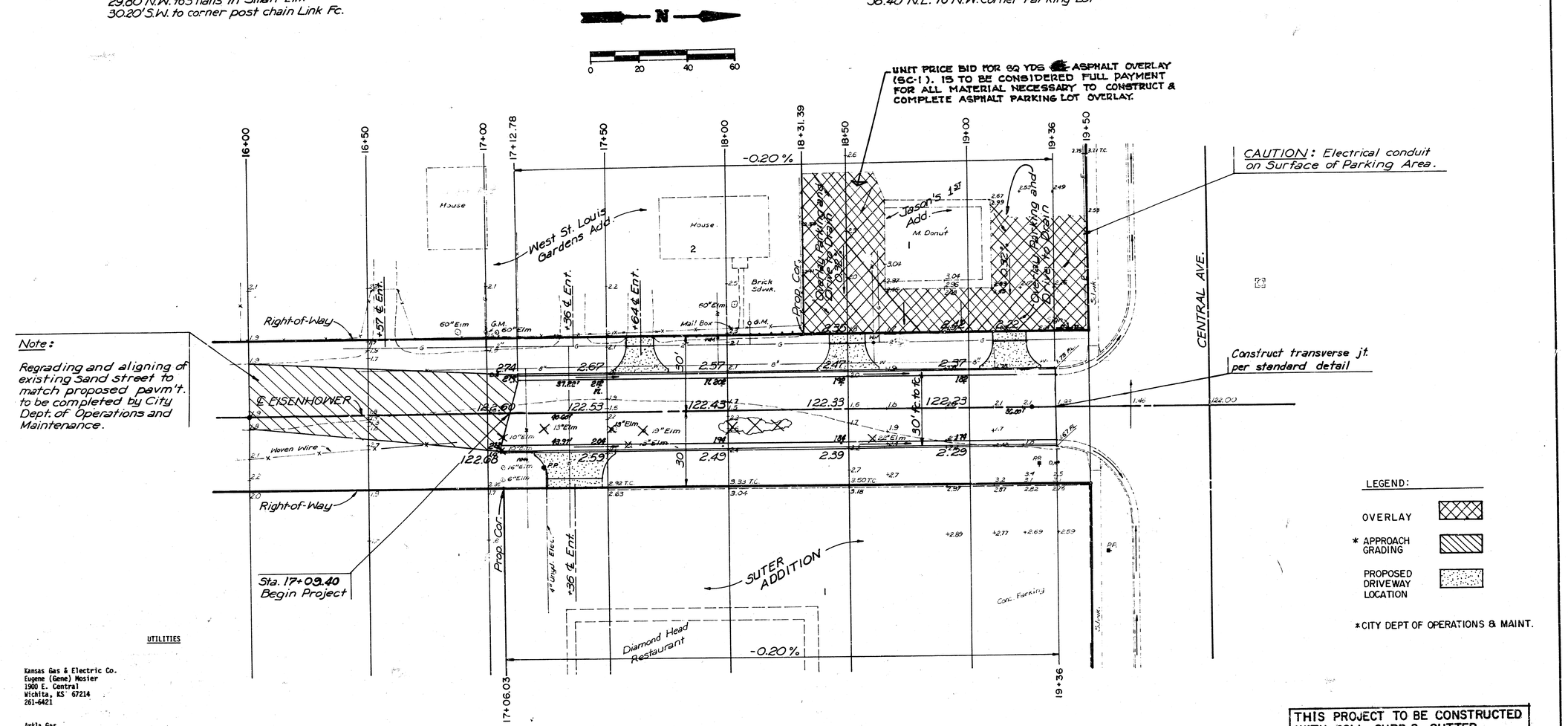
P.O.T. Sta. 16+00.00
½" Rebar @ P.O.T.
20.30' S.E. to 3 nails in Light Pole
29.80' N.W. to 3 nails in Small Elm
30.20' S.W. to corner post chain Link Fc.

P.O.T. Sta. 19+26.09
½" Rebar @ P.O.T.
54.10' S.W. to N.E. Corner M. Donut
37.60' N.W. to S.E. Corner Retaining Wall
38.40' N.E. to N.W. Corner Parking Lot



LEGEND:
- OVERLAY
- * APPROACH GRADING
- PROPOSED DRIVEWAY LOCATION

*CITY DEPT OF OPERATIONS & MAINT.

THIS PROJECT TO BE CONSTRUCTED WITH ROLL CURB & GUTTER.

UTILITIES

Kansas Gas & Electric Co.
Eugene (Gene) Mosier
1900 E. Central
Wichita, KS 67214
261-6421

Arkla Gas
Jerry Watkins & Joe Blick
1630 S. Baehr
Wichita, KS 67209
942-8350

K.P.L. Gas Service
Gene Curless, James Shimp, Bob Nicholas
(if unable to contact any of these three people, contact Warren Kennedy, District Superintendent)
1021 E. 28th Street North
Wichita, KS 67219
263-7511 ext. 330 or 263-9895

Southwestern Bell Telephone Co.
Bev Lueers (east Wichita) - 266-2249
John Quinn (west Wichita & metro area) - 268-2256
154 N. Broadway
Wichita, KS 67202

Wichita Water Department
Special Services Division
Dick McClintock
455 N. Main - City Hall, 8th Floor
Wichita, KS 67202
268-4555

Ref. B.M. City Disk
Central & Hoover El. 123.29

B.M. #1 RR Spk. in Power Pole
Sta. 19+57. 58' Rt. El. 124.36

DEPARTMENT OF ENGINEERING
MICHAEL LINDEBAK - CITY ENGINEER

STREET IMPROVEMENTS FOR EISENHOWER AVE.

CITY OF WICHITA PROJ. NO. 472 76 245 81554 000 000 001

Booker/Freund Engineers Architects Planners

SCALE | DATE OCT., 1986 | DWG. NO. K-9216

APP. M.F. | CKD. — | TR. — | DR. K.D.O. | DES. J.G. | PLOT. J.G. | SURV. J.G.

3/5

SCALE
SIDEWALK PARKWAY = 30.40
ELEV.

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80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80

125
120
18+00.00
115
125
120
17+64.00
115
125
120
17+50.00
115
125
120
17+36.00
115
125
120
17+06.00
115
125
120
16+95.00
115

Cr. Gr. 122.43
2" Arkla Gas 8" Water line
C=14
MF=2
F=7
EXC= 14.5
M.F. = 2.0
L.F. = 12.0
X 36.00'
EXC=19.3 C.Y.S
M.F.=2.7 C.Y.S
L.F. = 16.0 C.Y.S

Cr. Gr. 122.50
2" Arkla Gas 8" Water line
C=15
MF=2
F=17
EXC= 10.9
M.F.= 2.5
L.F.=16.5
X 14.00'
EXC= 5.2 C.Y.S
M.F.= 1.3 C.Y.S
L.F.= 8.6 C.Y.S.

Cr. Gr. 122.53
2" Arkla Gas 8" Water line
C=5
MF=3
F=16
EXC= 4.5
C.F.= 1.5
M.F.= 5.0
L.F.= 16.8
X 14.00'
EXC= 2.3 C.Y.S
C.F.= 0.8 C.Y.
M.F. 2.6 C.Y.
L.F.= 8.3 C.Y.

Cr. Gr. 122.56
2" Arkla Gas 8" Water line
C=4
CF=3
MF=7
F=16
EXC= 32
C.F. 2.5
M.F. 6.5
L.F. 20.8
X 26.00'
EXC= 8.0 C.Y.S
C.F.= 2.5 C.Y.S.
M.F.= 6.4 C.Y.S.
L.F. =20.2 C.Y.S

Cr. Gr. 122.62
2" Arkla Gas 8" Water line
C=2
CF=2
MF=6
F=25

SHEET TOTAL
EXC= 25.8 C.Y.
C.F.= 5.3 C.Y.
M.F. = 13.0 C.Y.
L.F. = 55.1 C.Y.

2" Arkla Gas 8" Water line

"GRAND TOTAL"
EXCAVATION. = 117.5 C.Y.S
COMP. FILL = 5.3
MANIP FILL = 15.7
LOOSE FILL = 100.3

CITY OF WICHITA PROJ. NO
472 76 245 81554 000 000 001

STA 16+95.00 TO 18+00.00 4/5

SCALE: 1 INCH = 5 FEET

3216
Sh of

4/5

125
120
18+00.00
115
125
120
17+64.00
115
125
120
17+50.00
115
125
120
17+36.00
115
125
120
17+06.00
17+05.40
115
125
120
16+95.00
115

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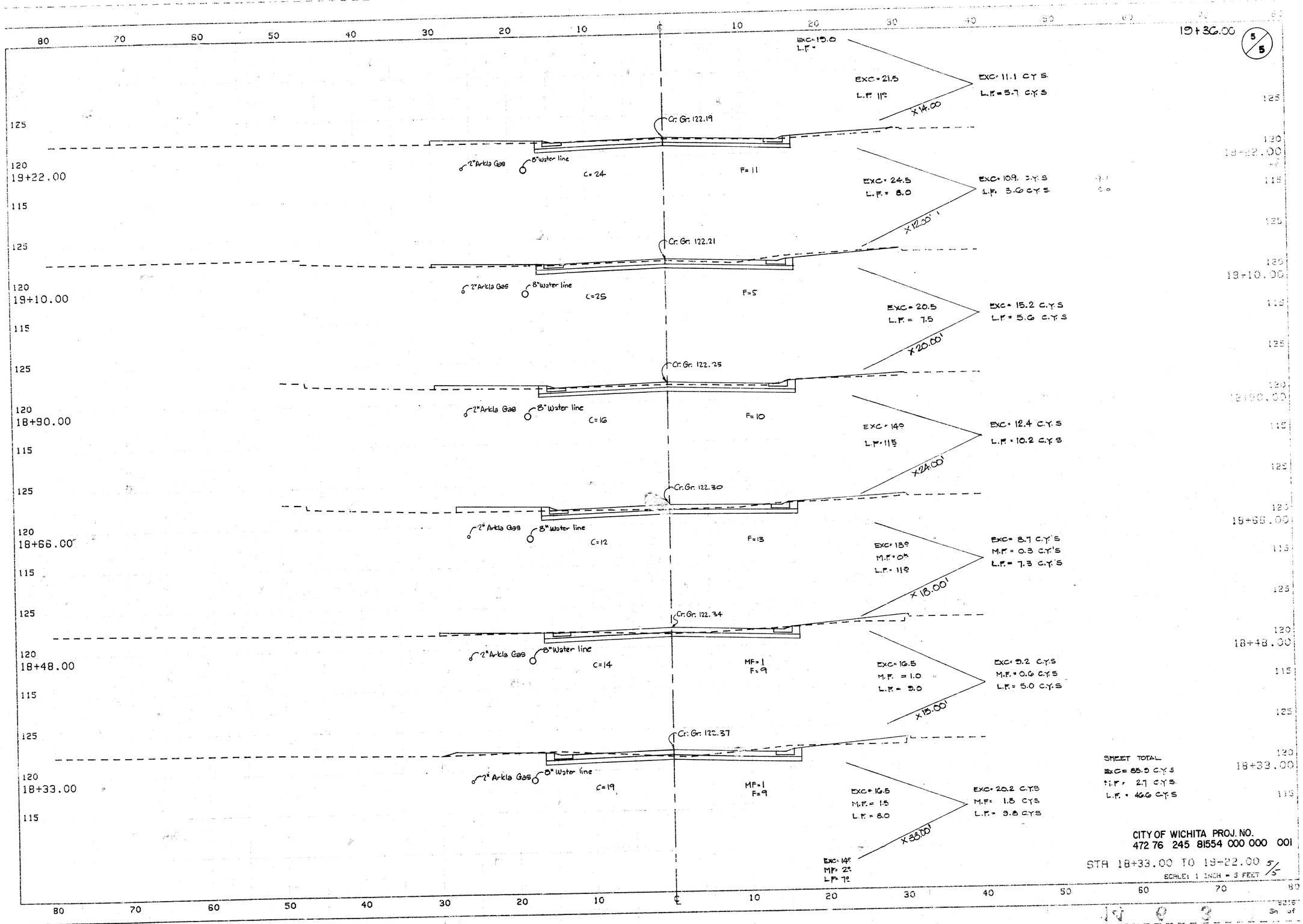

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