FUNSTON ST.

166' W. OF E. L. LOT 6, BLK 3, TO W.L. LOT 5, BLK 3

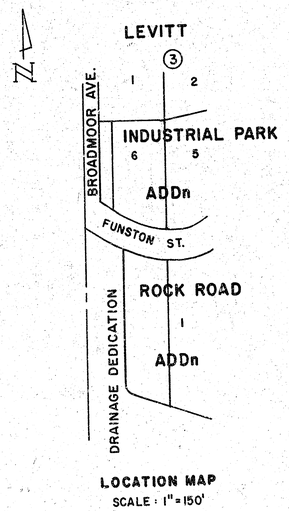
LEVITT INDUSTRIAL PARK ADDn

CITY OF WICHITA, KANSAS

R.W. BRUGGEMAN DIRECTOR OF ENGINEERING / CITY ENGINEER

DATE:

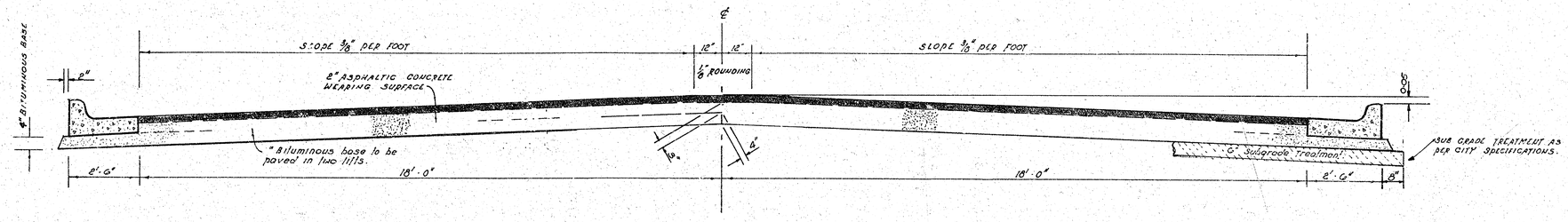
PROJ. NO. 472 76 245 81111 000 000 001



LOCATION MAP
SCALE : 1" = 150'

STEPHEN R. LASKEY
7724
REGISTERED ENGINEER

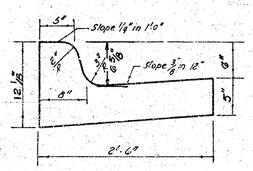
1/5



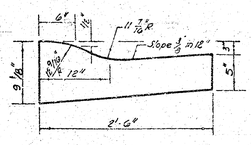
TYPICAL SECTION

41' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

COMBINED CURB & GUTTER



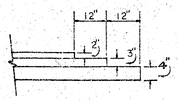
ROLL TYPE CURB & GUTTER



A TACK COAT OF EMULSIFIED ASPHALT (SS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE 0.05 GALLONS PER SQ YD BETWEEN LIFTS OF ASPHALTIC MATERIALS WHEN ORDERED BY THE ENGINEER. TACK COAT WILL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED AS SUBSIDIARY TO PRICE BID FOR ASPHALTIC PAVEMENT.

BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR CROWN AND GRADE. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 1' WITH JOINTS IN PRECEDING LIFTS AND SUCH THAT A JOINT WILL BE CONSTRUCTED ON THE PAVEMENT CENTERLINE IN THE TOP LIFT.

DETAIL OF TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT TEMPORARILY ENDS TO FACILITATE FUTURE PAVEMENT CONSTRUCTION AS SHOWN BY DETAIL. THE COST OF CONSTRUCTING THE TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE MEASURED OR PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS OF ASPHALTIC CONCRETE PAVEMENT.

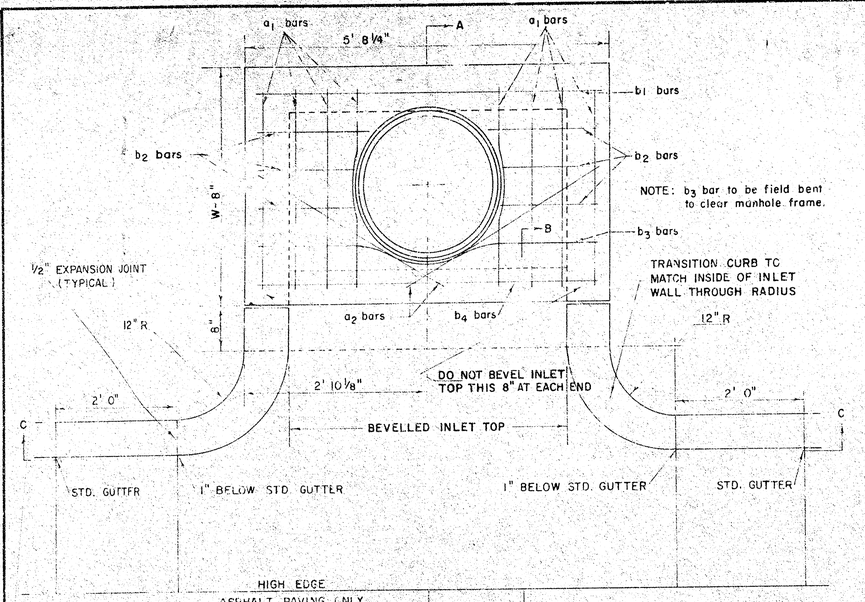
The A.C. pavement between the comb curb & gutter shall be paid as sq yds 7" A.C. pavement (7" Bituminous Base). The Bituminous base under the comb curb & gutter shall be paid as sq yds 4" Bituminous Base.

FUNSTON ST.
166' W. OF E.L. LOT 6, BLK. 3, TO
W. L. LOT 5, BLK 3
LEVITT INDUSTRIAL PARK ADDn

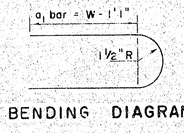
CITY OF WICHITA, KANSAS

PROJ. NO. 472 76 245 81111 000 000 001

2/5



PLAN (SCALE 1" = 1'0")



BENDING DIAGRAM

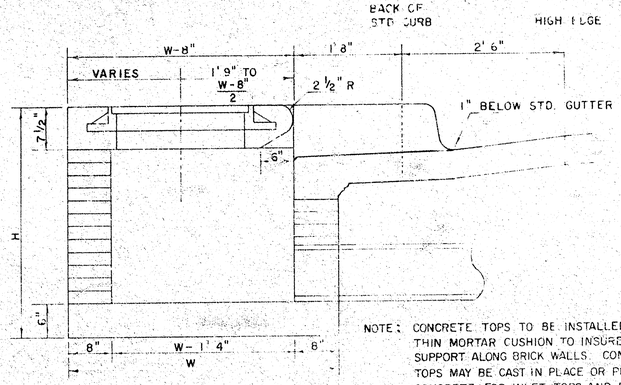
STEEL SCHEDULE

BAR	a_1	a_2 *	b W=4'2"	b W=5'0"	b W=6'0"	b W=7'0"	b W=8'0"	b_2	b_3	b_4	WT. LBS.
NUMBER	8	2	1	3	5	7	9	6	1	1	
SIZE	#4	#4	#4	#4	#4	#4	#4	#4	#4	#6	
LENGTH W=4'2"	6'5"	3'4"	5'5"	–	–	–	–	1'5"	5'6"	5'5"	60#
LENGTH W=5'0"	8'1"	4'4"	–	5'5"	–	–	–	1'5"	5'6"	5'5"	77#
LENGTH W=6'0"	10'1"	5'4"	–	–	5'5"	–	–	1'5"	5'6"	5'5"	97#
LENGTH W=7'0"	11'1"	6'4"	–	–	–	5'5"	–	1'5"	5'6"	5'5"	111#
LENGTH W=8'0"	12'1"	7'4"	–	–	–	–	5'5"	1'5"	5'6"	5'5"	124#

* NOTE: a_2 BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER

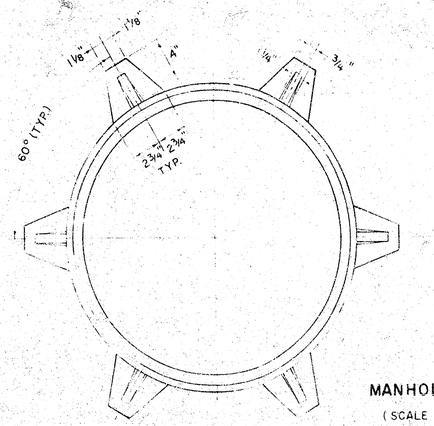
STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4' 2"	36"x5'8 1/4"x7 1/2"	21" & SMALLER	0.46 *
5' 0"	44"x5'8 1/4"x7 1/2"	24" & 30"	0.57 *
6' 0"	54"x5'8 1/4"x7 1/2"	36" & 42"	0.71 *
7' 0"	64"x5'8 1/4"x7 1/2"	48" & 54"	0.84 *
8' 0"	74"x5'8 1/4"x7 1/2"	60" & 66"	0.97 *

* GROSS VOLUME

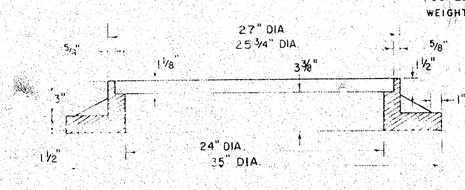


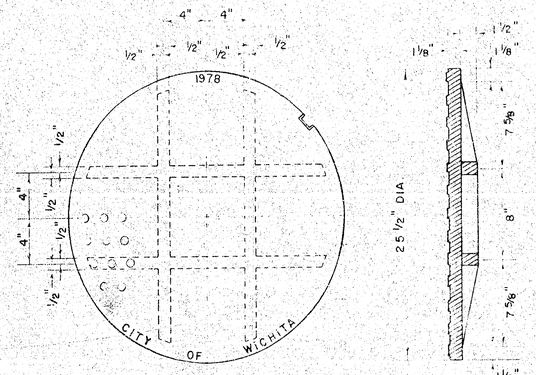
SECTION A-A
(SCALE 1" = 1'0")

NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE FOR INLET TOPS AND FLOORS SHALL BE *STANDARD* PAVING MIX

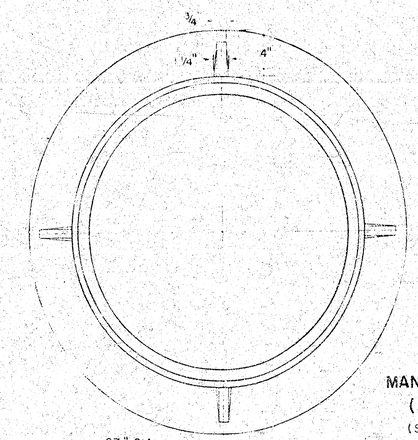


MANHOLE FRAME
(SCALE 1" = 6")
WEIGHT = 180 LBS.

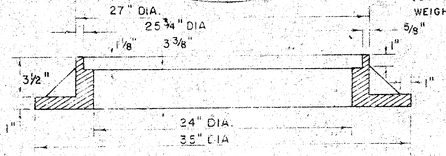


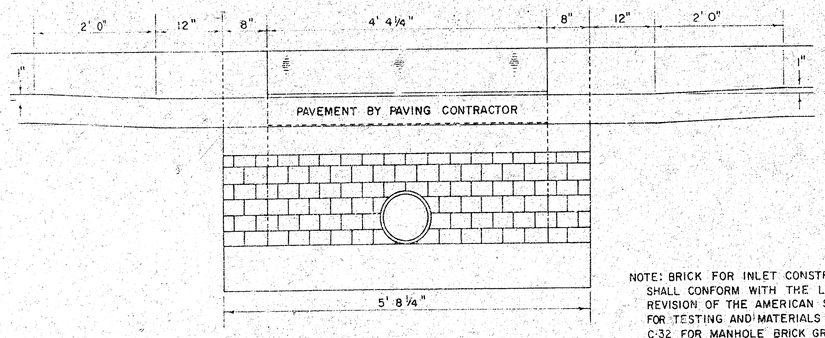


MANHOLE COVER
(SCALE 1" = 6")
WEIGHT = 170 LBS.



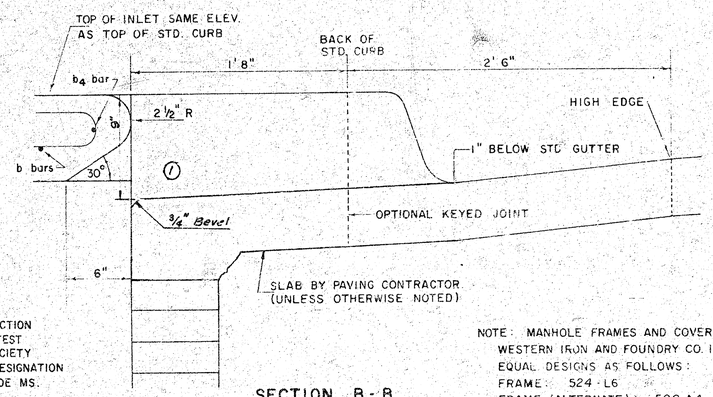
MANHOLE FRAME (ALTERNATE)
(SCALE 1" = 6")
WEIGHT = 180 LBS.





SECTION C-C
(SCALE 1" = 1'0")

NOTE: BRICK FOR INLET CONSTRUCTION SHALL CONFORM WITH THE LATEST REVISION OF THE AMERICAN SOCIETY FOR TESTING AND MATERIALS DESIGNATION C-32 FOR MANHOLE BRICK GRADE MS.



SECTION B-B
(SCALE 1" = 6")

NOTE: MANHOLE FRAMES AND COVER ARE WESTERN IRON AND FOUNDRY CO. INC. OR EQUAL DESIGNS AS FOLLOWS:
FRAME: 524-L6
FRAME (ALTERNATE): 500 A4
COVER: 222 S4 "NOBBY"

3/5

(1) Rev. 5-18-81

DETAIL STANDARD TYPE IA CURB INLET

CITY OF WICHITA, KANSAS

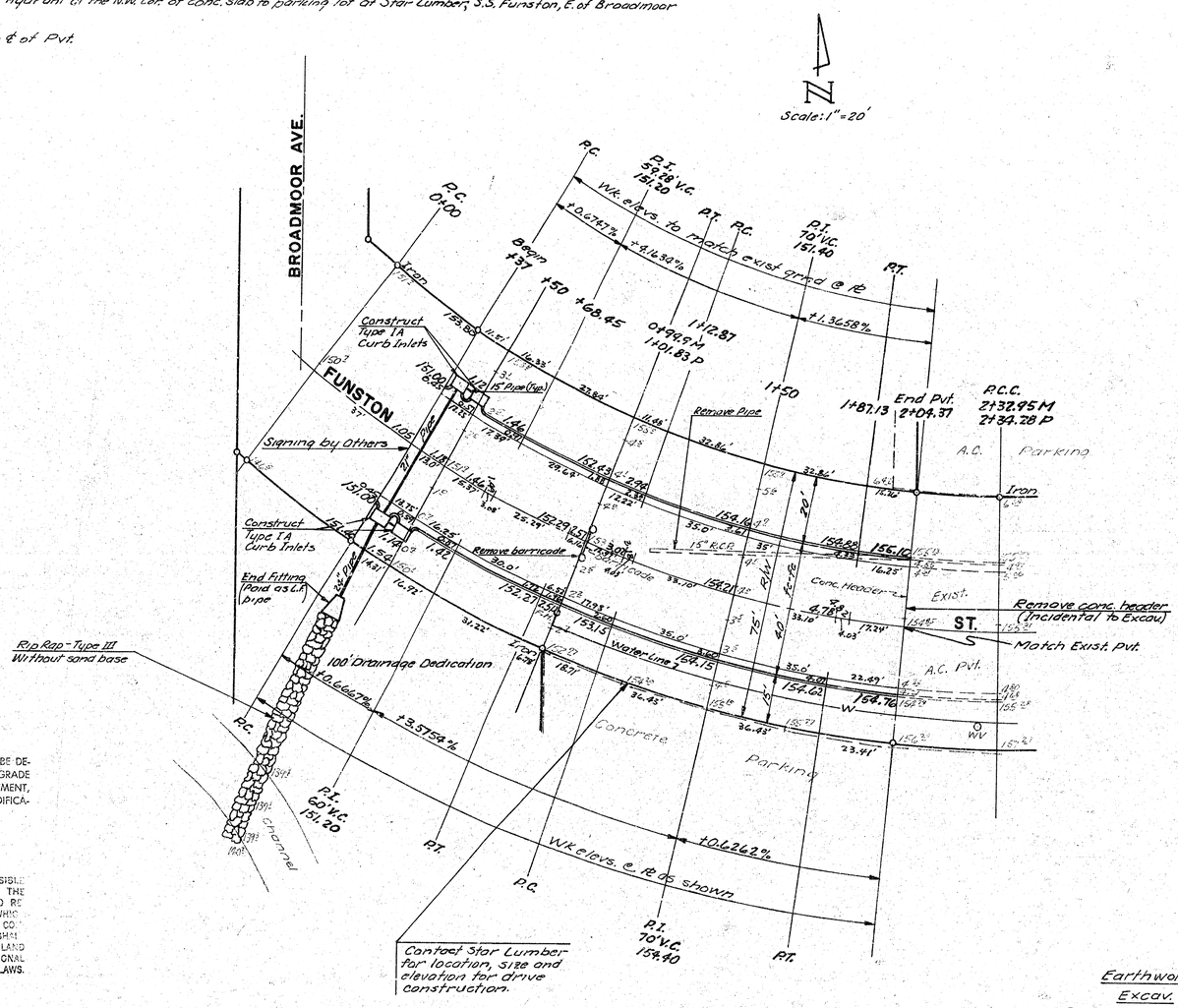
R.W. BRUGGEMAN, DIRECTOR OF ENGINEERING/ CITY ENGINEER

JUNE, 1981

B.M. 1162.59 "□" Top of Cb, W. Ref. on Longfellow, N.W. Cor. of conc. approach, N.W. Cor. Longfellow & Funston
B.M. 1154.54 "M" in Mueller - Fire Hydrant at the N.W. Cor. of conc. slab to parking lot of Star Lumber, S.S. Funston, E. of Broadmoor

Stationing is on ℄ of Pvt.

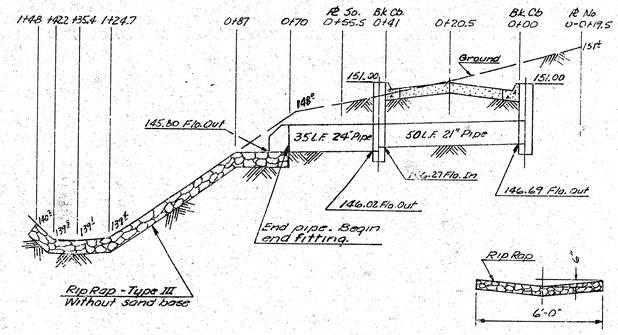
Survey M.G. Bk 202/12 Sht 54
Plan D.E.C.
Exc
Checked



Δ 27°33'12"	348.05'	85.34'	167.37'	L.C. = 165.77'	

CURVE DATA BASED ON ℄ RAD. Δ/2 = 13°46'36"

STA.	P.C.	CHORD LENGTH 8" CUT & CO	CHORD LENGTH 8" CUT & FILL	DEFLECTION	TOTAL DEFLECTION
0+37	———	———	———	0°00'00"	0°00'00"
0+50	13.0	11.95	14.08	1°06'12"	1°06'12"
0+65.37	15.37	14.13	14.61	1°16'55"	2°20'07"
0+68.45	3.08	2.83	3.38	0°15'13"	2°35'20"
0+93.74	25.29	23.25	27.32	2°00'54"	4°40'12"
0+99.90	6.16	5.66	6.65	0°30'26"	5°10'40"
1+12.87	12.97	11.93	14.01	1°06'03"	6°16'43"
1+16.90	4.03	3.71	4.35	0°19'54"	6°36'37"
1+50	33.10	30.43	35.75	2°43'28"	9°18'05"
1+83.10	33.10	30.43	35.75	2°43'28"	12°01'33"
1+87.13	4.03	3.71	4.35	0°19'54"	12°21'27"
2+00.37	17.24	15.85	18.63	1°25'09"	13°46'36"



DRAINAGE DETAILS

SUB-GRADE

TYPE OF SUB-GRADE TREATMENT SHALL BE DETERMINED BY THE FIELD ENGINEER. SUB-GRADE TREATMENT MAY CONSIST OF LIME TREATMENT, ~~CEMENT TREATMENT~~, SUB-GRADE MODIFICATION, OR ANY COMBINATION OF THESE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL BE REQUIRED TO RE ESTABLISH ANY PROPERTY IRONS WHIC ARE DAMAGED OR DESTROYED BY HIS CO STRUCTION OPERATIONS. SUCH IRONS SHA BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS.

Earthwork
Excav.

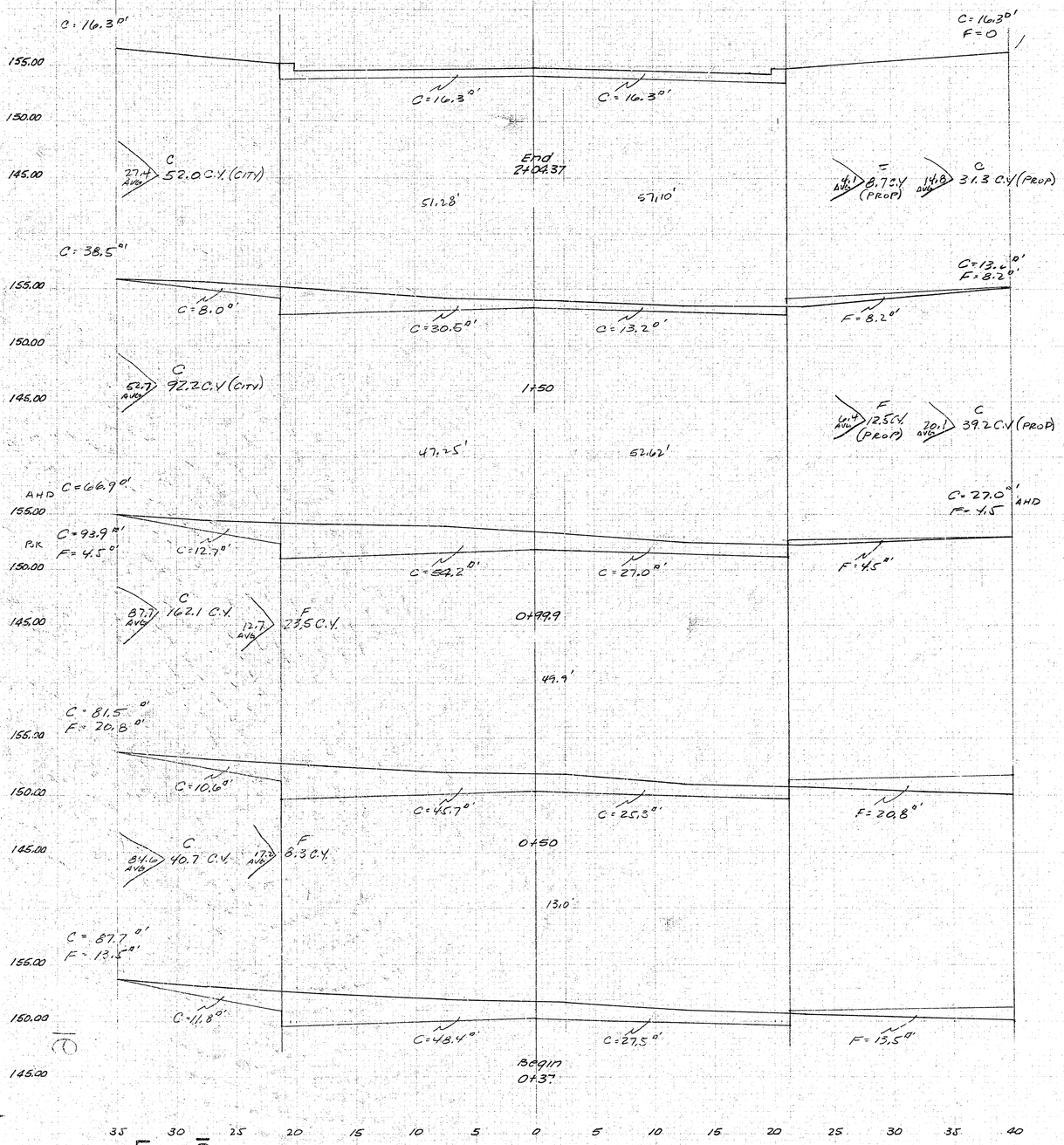
Prop.	City
273.0 C.Y.	144.5 C.Y.
+10% 27.3	14.4
Total 300.3 C.Y.	Total 158.6 C.Y.

Manipulation = 786.5 S.Y.

FUNSTON ST.
166' W. OF E. L. LOT 6, BLK. 3, TO
W. L. LOT 5, BLK 3
LEVITT INDUSTRIAL PARK ADDn
CITY OF WICHITA, KANSAS

PROJ. NO. 472 76 245 81111 000000001

4/5



TOTAL EARTH WORK

	EVCAV		FILL
PROP	273.3 C.Y.	PROP	53.0 C.Y.
CITY	144.2 C.Y.	CITY	0

FUNSTON ST.

166' W. OF E. L. LOT 6, BLK. 3, TO

W. L. LOT 5, BLK 3

LEVITT INDUSTRIAL PARK ADDn

CITY OF WICHITA, KANSAS

(PROJ. NO. 472 76 245 81111 000 000 001)

5/5