Street Improvements For

CRANBROOK ADDITION

INDEX CODE 760710

FUNSTON: From W.L. Cranbrook to W.L. Lot 6, Blk. 2, Cranbrook Addition

FUNSTON COURT: From S.L. Funston to and Including Cul-De-Sac

Project No.

472-76-245-82045-000-000-001

CITY OF WICHITA, KANSAS

Michael E. Lindebak City Engineer

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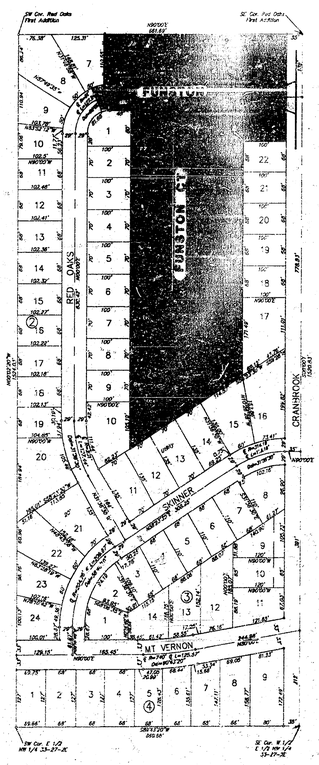
11	PLAT OF CRANBROOK ADDITION

SCALE 1" = 150'



GENERAL NOTES

1. Utility service lines, poles, valve boxes, meters, and etcetera are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. 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.

2. This project includes a certain amount of roll type curb construction. Roll Curbs shall be depressed through all driveway openings when such drives are constructed as a part of the project.

3. No ~~more than four~~ drives ~~18 feet in width, or equivalent combinations thereof,~~ are to be constructed with this project. *is to be*

4. 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 in accordance with state laws.

5. Transition sections of Combined Curb and Gutter shall be considered as Combined Roll Type Curb and Gutter (3 5/8") for bidding and payment purposes.

Storm Sewer Booked 7-91 MCG

CHRISTOPHER MICHAEL BAUGHMAN LICENSED 11631 KANSAS PROFESSIONAL ENGINEER

1/11

BAUGHMAN COMPANY P. A.
ENGINEERING & SURVEYING
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

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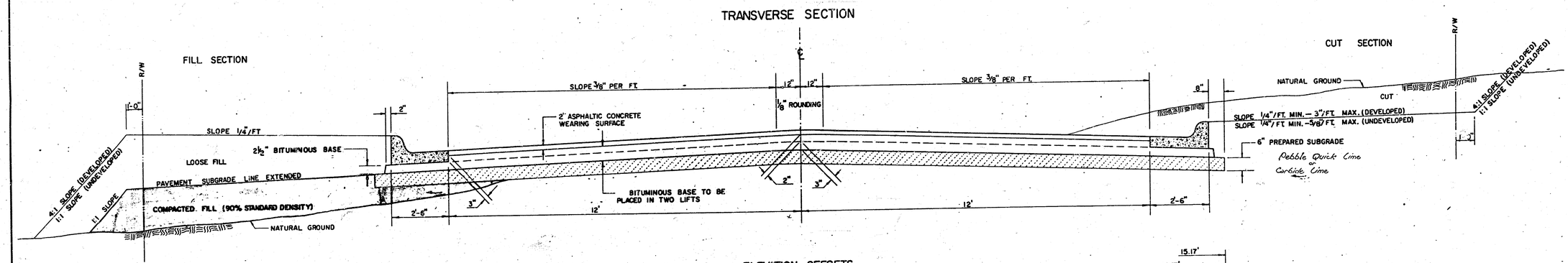
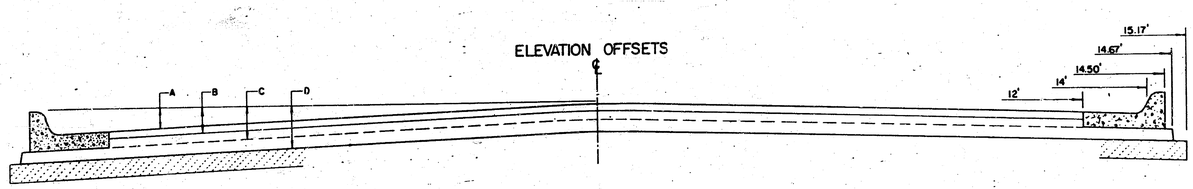
TYPICAL 29' PAVEMENT DETAILS

TRANSVERSE SECTION

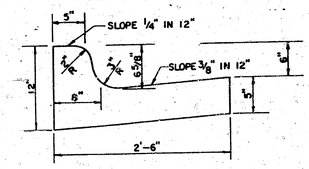


ELEVATION OFFSETS

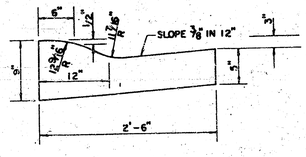


	DISTANCE FROM CENTERLINE (LT. & RT.)											
	0'	2'	4'	6'	7'	8'	10'	12'	14'	14.5'	14.67'	15.17'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.13	0.18	0.24	0.30	0.33	0.36	0.43	0.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.30	0.35	0.41	0.47	0.50	0.53	0.60	0.66	—	—	—	—
C: TOP OF CURBS TO TOP OF 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.

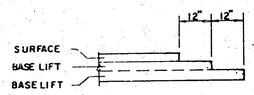
3) A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.

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).

2/11

7 INCH RESIDENTIAL ASPHALTIC CONCRETE PAVEMENT WITH 5 INCH BITUMINOUS BASE

CITY OF WICHITA, KANSAS

PROJECT NUMBER

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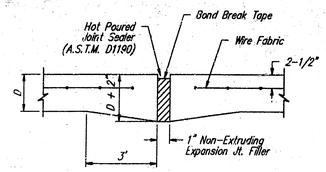
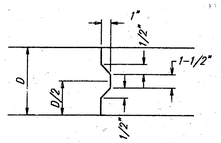
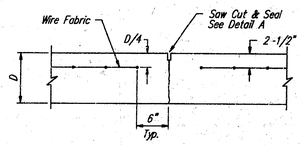


EXPANSION JOINT

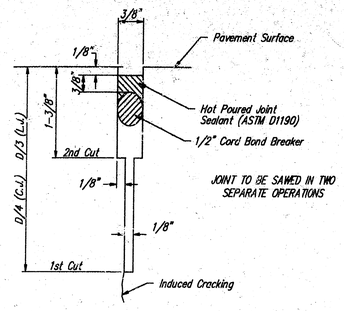
NOTE: Extra Thickness to be Subsidiary to Price of Square Yards Pavement



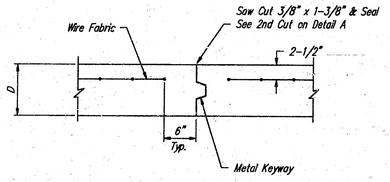
KEYWAY DETAIL



CONTRACTION JOINT DETAIL (C.J.)

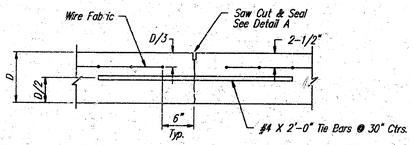


SAW JOINT DETAIL

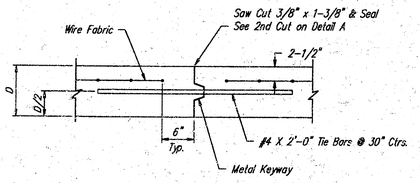


OPTIONAL CONTRACTION CONST. JOINT (C.J.)

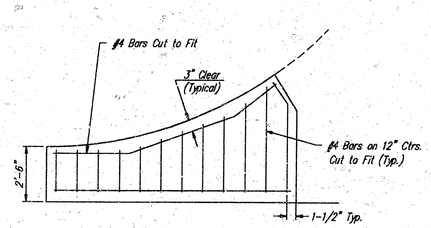
(ALTERNATE C.J.)



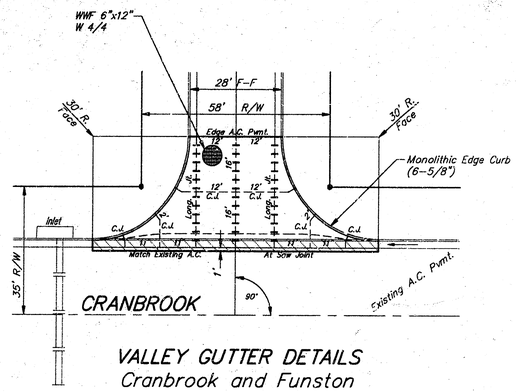
LONGITUDINAL JOINT DETAIL (L.J.)



LONGITUDINAL JOINT DETAIL (L.J.)



WING REINFORCING DETAIL



VALLEY GUTTER DETAILS
Cranbrook and Funston

VALLEY GUTTER DETAILS

BAUGHMAN COMPANY P. A.
ENGINEERING & SURVEYING
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

REV.

PROJECT NUMBER
472-76-245-82045-000-000-001

SHEET 3 OF 11

DESIGN	DRAWN	APPROVED	DATE	SCALE
C. Bohm	C. Bohm	C. Bohm	Jan. 1991	None

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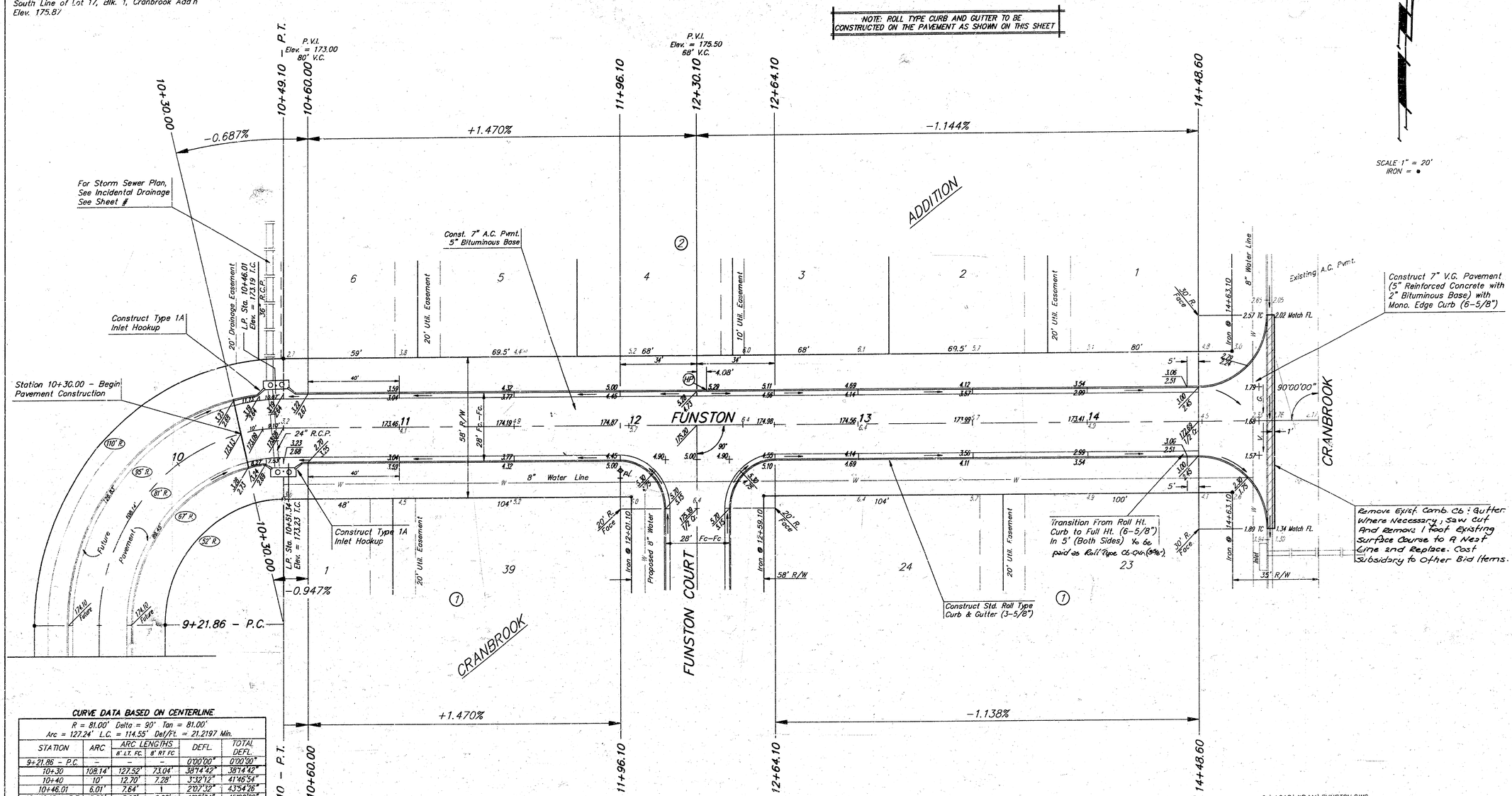
BENCH MARKS:

Square Cut Top of Curb Adjacent to N.E. Corner Lot 1, Blk. 2, Cranbrook Addition Elev. 172.93

Rebar in Concrete 2' N.E. of Pipeline Marker Approx. 41.5' West of W.L. Cranbrook in the South Line of Lot 17, Blk. 1, Cranbrook Add'n Elev. 175.87

NOTE: ROLL TYPE CURB AND GUTTER TO BE CONSTRUCTED ON THE PAVEMENT AS SHOWN ON THIS SHEET

SCALE 1" = 20'
IRON = ●



CURVE DATA BASED ON CENTERLINE

R = 81.00' Delta = 90° Tan = 81.00'
Arc = 127.24' L.C. = 114.55' Def/Ft. = 21.2197 Min.

STATION	ARC	ARC LENGTHS 8' LT. FC.	ARC LENGTHS 8' RT. FC.	DEFL.	TOTAL DEFL.
9+21.86 - P.C.	–			0°00'00"	0°00'00"
10+30	108.14'	127.52'	73.04'	38°14'42"	38°14'42"
10+40	10'	12.70'	7.28'	3°32'12"	41°46'54"
10+46.01	6.01'	7.64'	1	2°07'32"	43°54'26"
10+49.10 - P.T.	3.09'	3.93'	6.62'	1°05'34"	45°00'00"

Earthwork Totals

Excavation = 2541.0 Cubic Yards
Compacted Fill = 0 Cubic Yards
Manipulated Fill = 0 Cubic Yards
Subgrade Manipulation = 3474 Square Yards

C:\ACAD\CRAN\FUNSTON.DWG

FUNSTON

W.L. Lot 6, Blk. 2, to the W.L. Cranbrook

BAUGHMAN COMPANY P. A.
ENGINEERING & SURVEYING
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

REV.

PROJECT NUMBER 472-76-245-82045-000-000-001

SHEET 4 OF 11

DESIGN	DRAWN	APPROVED	DATE	SCALE
NBW	JL/CMB	NBW	Jan 1991	1"=20'

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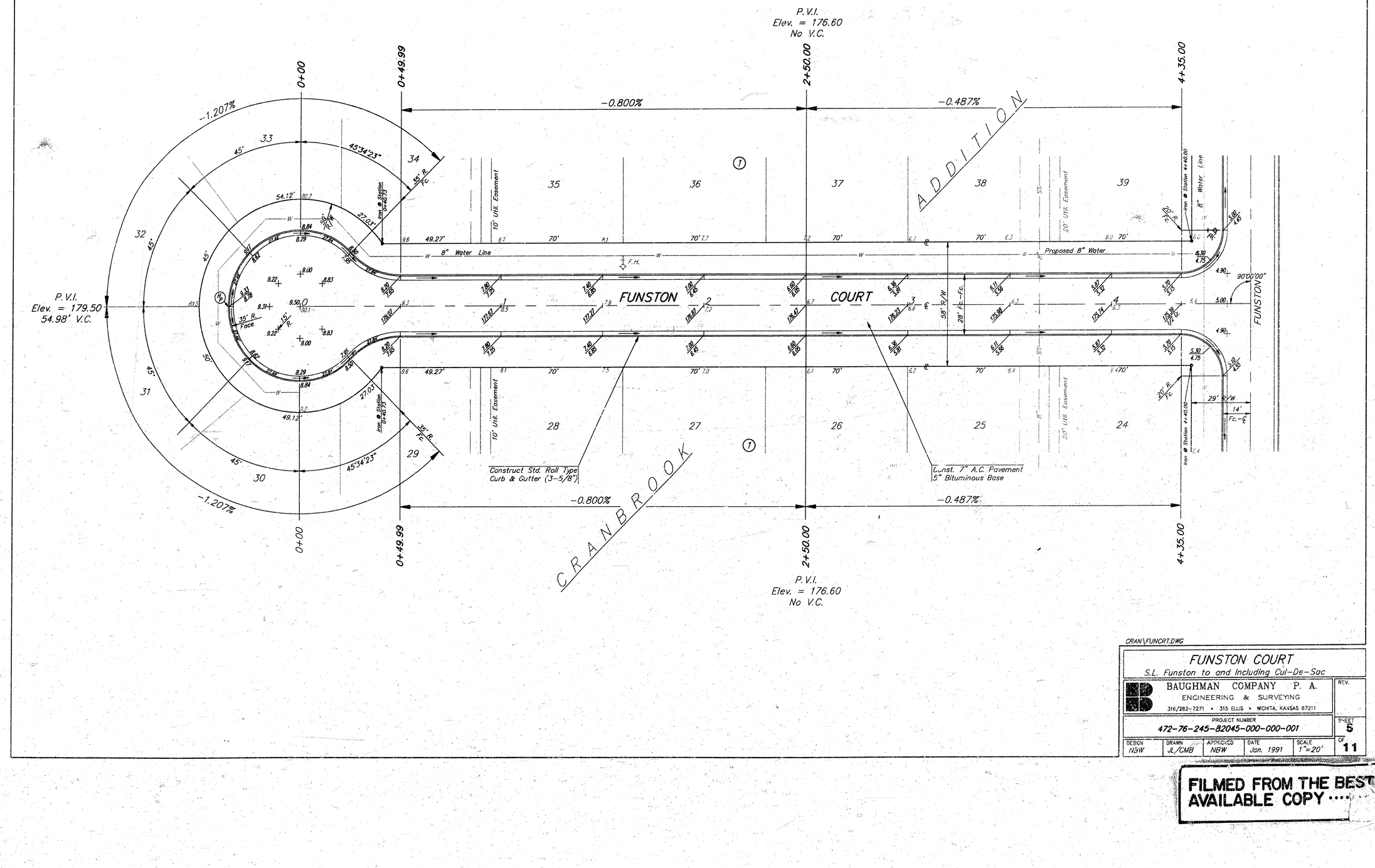
BENCH MARKS:

Square Cut Top of Curb Adjacent to N.E. Corner Lot 1, Blk. 2, Cranbrook Addition Elev. 172.93

Rebar in Concrete 2' N.E. of Pipeline Marker Approx. 41.5' West of W.L. Cranbrook in the South Line of Lot 17, Blk. 1, Cranbrook Add'n Elev. 175.87

NOTE: ROLL TYPE CURB AND GUTTER TO BE CONSTRUCTED ON THE PAVEMENT AS SHOWN ON THIS SHEET

SCALE 1" = 20'
IRON = ●



CRAN\FUNCRT.DWG

FUNSTON COURT
S.L. Funston to and Including Cul-De-Sac

BAUGHMAN COMPANY P. A.
ENGINEERING & SURVEYING
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

REV.

PROJECT NUMBER
472-76-245-82045-000-000-001

SHEET 5 OF 11

DESIGN	DRAWN	APPROVED	DATE	SCALE
NSW	JL/CMB	NSW	Jan. 1991	1"=20'

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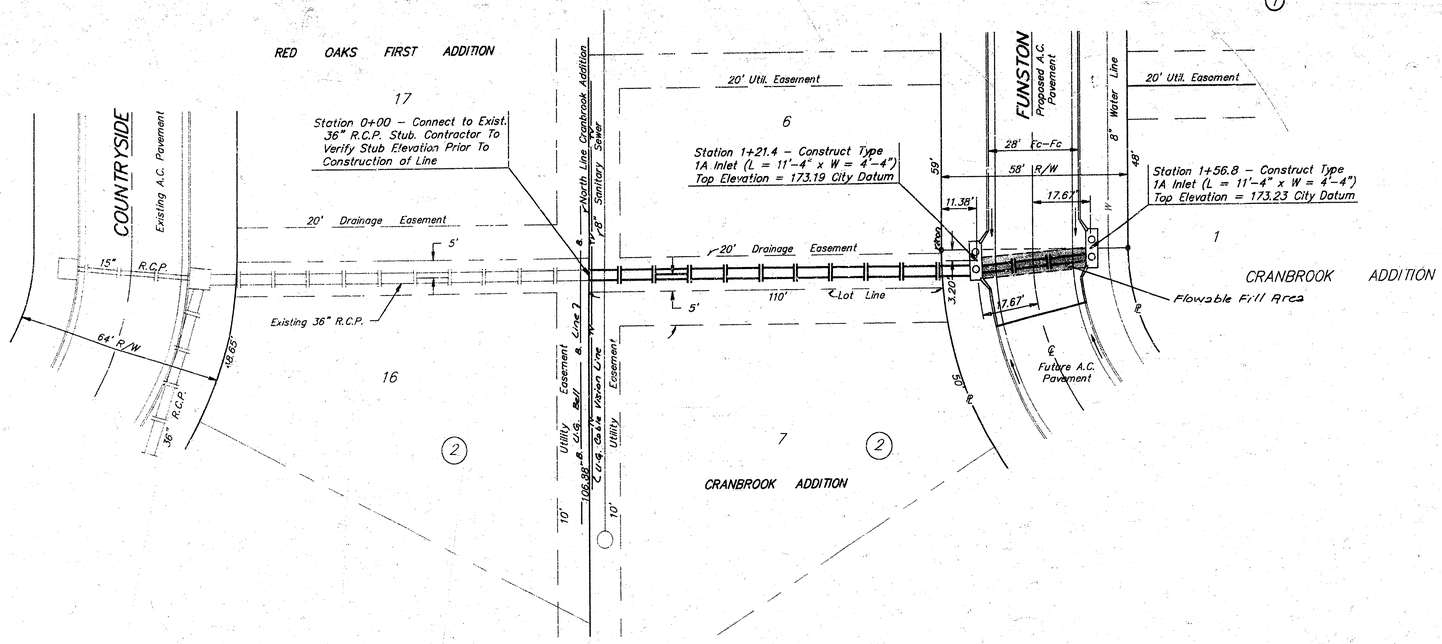
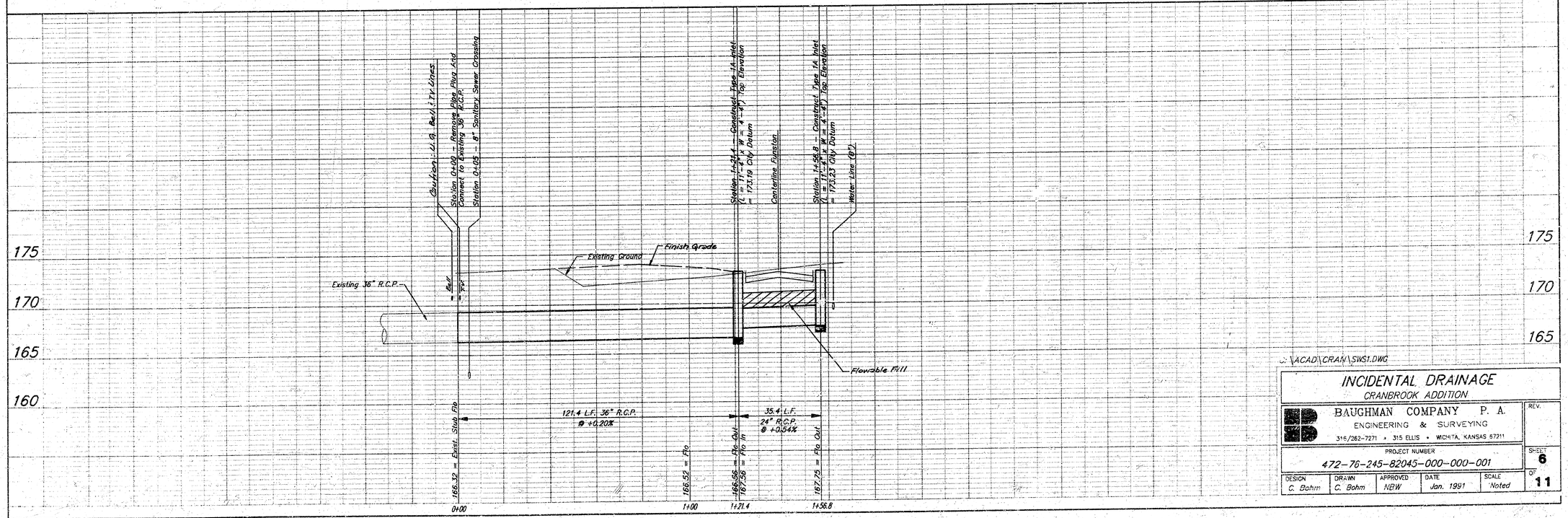


Scale: 1" = 20' Plan
1" = 5' Profile
⊕ = Iron

BENCH MARKS:

Square Cut Top of Curb Adjacent to N.E. Corner Lot 1, Blk. 2, Cranbrook Addition Elev. 172.93

Rebar in Concrete 2' N.E. of Pipeline Marker Approx. 41.5' West of W.L. Cranbrook in the South Line of Lot 17, Blk. 1, Cranbrook Add'n Elev. 175.87



J:\ACAD\CRAN\SWS1.DWG

INCIDENTAL DRAINAGE
CRANBROOK ADDITION

BAUGHMAN COMPANY P. A.
ENGINEERING & SURVEYING
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

REV.

PROJECT NUMBER
472-76-245-82045-000-000-001

SHEET 6 OF 11

DESIGN	DRAWN	APPROVED	DATE	SCALE
C. Bohm	C. Bohm	NEW	Jan. 1991	Noted

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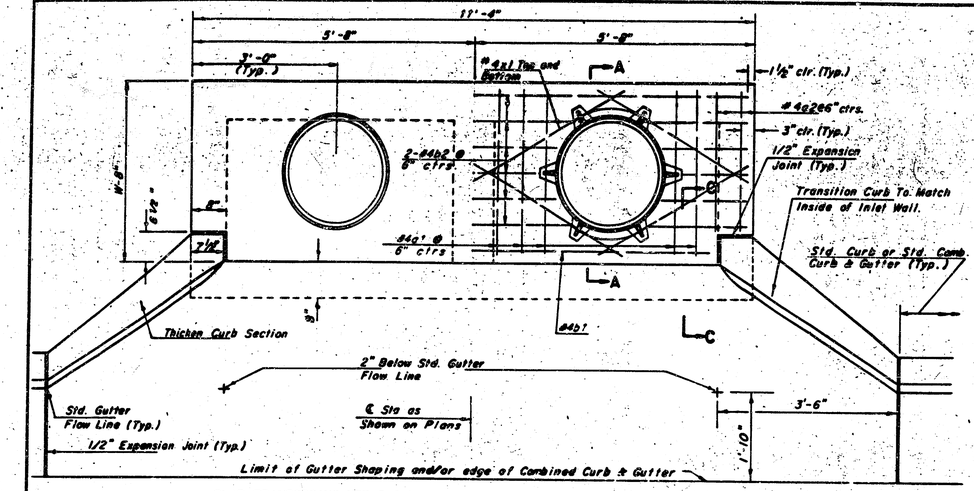
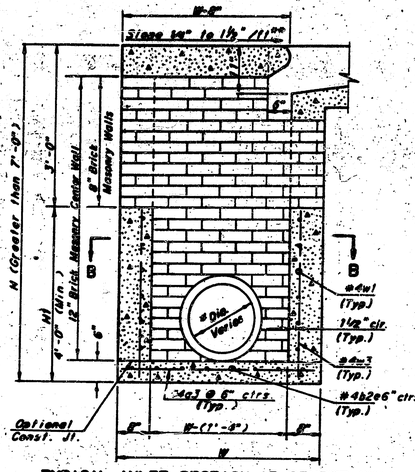


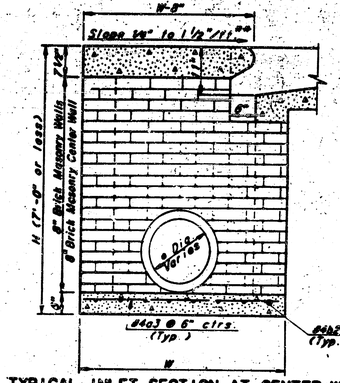
SLAB REINFORCING NOT SHOWN — SHOWING SLAB REINFORCING

PLAN

NOTE Expansion Joint only in Curb Area with Conc. Pavement.



TYPICAL INLET SECTION AT CENTER WALL
(REINFORCED CONCRETE WALLS)

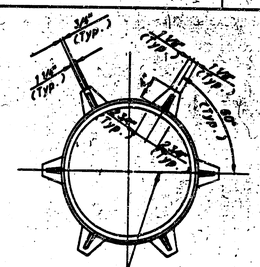


TYPICAL INLET SECTION AT CENTER WALL
(MASONRY WALLS)

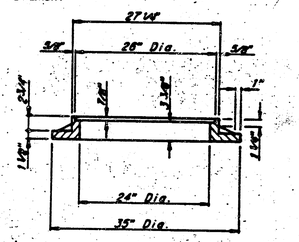
* A center wall opening shall be provided by means of a section of reinforced concrete pipe. See Case I and Case II Below.

** NOTE : Slope of Inlet Tops to match Sidewalk or Parking Slopes within Limits indicated.

PROJECT NO.		SHEET NO.	TOTAL SHEETS

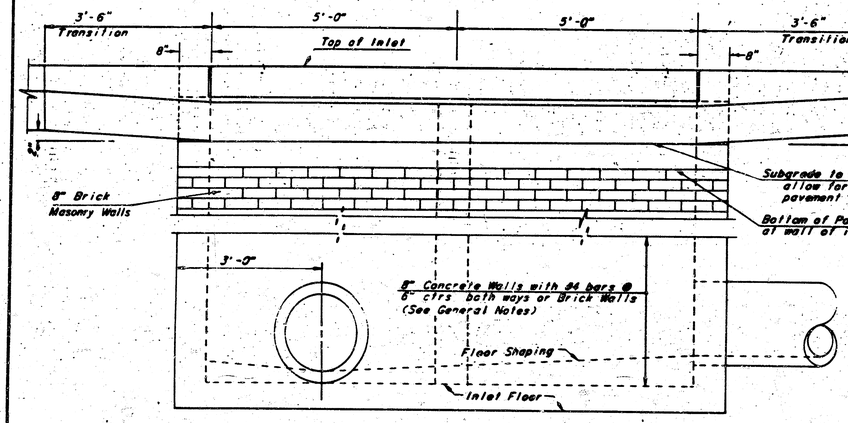


Position Ring such that this line is parallel with ℄ of Pavement

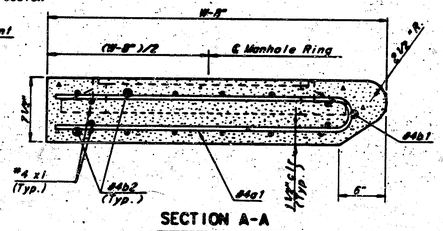


CAST IRON INLET RING
Wt.=180 lbs.

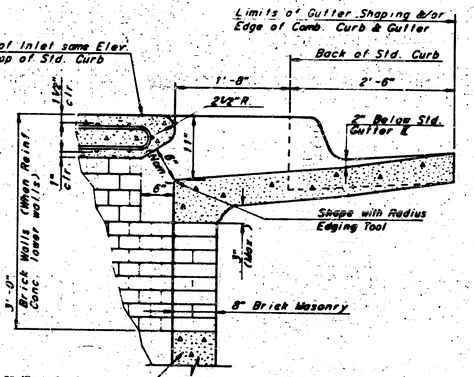
See City of Wichita Standard Manhole Frame and Cover Detail Sheet for Cover Details to be used with Inlet Frame.



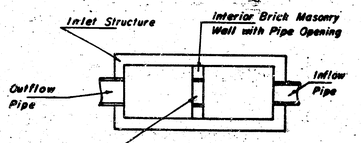
ELEVATION



SECTION A-A

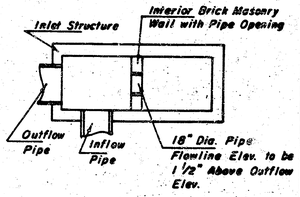


SECTION C-C



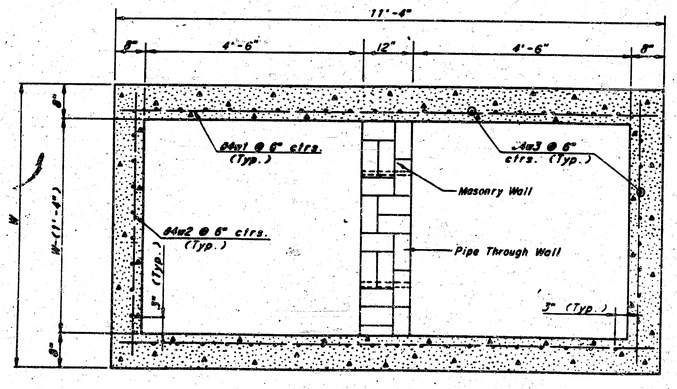
Pipe Size to be the same as Outlet Pipe Size. Flowline Elev. to be Average of Lowest Inflow Pipe Elev. and Outflow Pipe Elev.

CASE I



CASE II

NOTE Center Wall Pipe Size shall be as Specified in Inlet Construction Note on the Plan/Profile Sheets for those Cases not shown here.



SECTION B-B

SLAB AND FLOOR REINFORCING

		W=4'-4"		W=5'-4"		W=6'-4"		W=7'-4"		W=8'-4"	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
*a1	#4	13	6'-7"	13	8'-7"	13	10'-7"	13	12'-7"	13	14'-7"
a2	#4	4	6'-0"	4	8'-0"	4	10'-0"	4	12'-0"	4	14'-0"
a3	#4	23	4'-1"	23	5'-1"	23	6'-1"	23	7'-1"	23	8'-1"
b1	#4	1	9'-9"	1	9'-9"	1	9'-9	1	9'-9"	1	9'-9"
*b2	#4	23	11'-1"	29	11'-1"	35	11'-1"	41	11'-1"	47	11'-1"
x1	#4	16	3'-10"	16	4'-2"	16	4'-6"	16	4'-10"	16	5'-2"

WALL REINFORCING

		W=4'-4"		W=5'-4"		W=6'-4"		W=7'-4"		W=8'-4"	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
w1	#4	①	11'-1"	①	11'-1"	①	11'-1"	①	11'-1"	①	11'-1"
w2	#4	①	4'-1"	①	5'-1"	①	6'-1"	①	7'-1"	①	8'-1"
w3	#4	52	②	56	②	60	②	64	②	68	②

* Field bend or cut Reinforcing as required for clearance
① 4(H1-12") (H1-12") Rounded down to nearest 0.5'
② H1-3"

GENERAL NOTES

1. THE CONTRACTOR SHALL BE REQUIRED TO CONSTRUCT 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN W=8'-4" OR LESS AND H=7'-0" OR LESS. WHEN W IS GREATER THAN 8'-4" AND H IS LESS THAN 7'-0" THE OUTSIDE INLET WALLS BELOW THE BRICK STACK SHALL BE REINFORCED CONCRETE CONSTRUCTION AND THE CENTER WALL SHALL BE OF MASONRY CONSTRUCTION AS SHOWN FOR THE MASONRY WALL OPTION.
2. INLET INVERT SHALL BE SHAPED WITH A SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.
3. 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 USED FOR INLET CONSTRUCTION SHALL BE CONCRETE PAVEMENT MIX.
4. INLET TOP REINFORCING SHALL BE SPACED ON 6" MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB. BARS IN INLET TOP TO BE FIELD BENT OR CUT TO CLEAR MANHOLE RING.
5. THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.

STANDARD CURB INLET PRECAST TOPS

W	PRE-CAST TOP SIZE	SIDE OR INTERIOR WALL PIPE SIZE	CU. YD. CONC.
4'-4"	5'-8"x 11'-4"x 7 1/2"	21" & SMALLER	0.83 ±
5'-4"	6'-8"x 11'-4"x 7 1/2"	24" & 30"	1.09 ±
6'-4"	5'-8"x 11'-4"x 7 1/2"	36" & 42"	1.35 ±
7'-4"	6'-6"x 11'-4"x 7 1/2"	48" & 54"	1.61 ±
8'-4"	7'-8"x 11'-4"x 7 1/2"	60" & 66"	1.87 ±

~~REVISED 12-8-86~~ Revised 2-15-89 ~~REVISED 12-21-04~~

STANDARD TYPE 1A CURB INLET

INLET OPENING = 8" x 10'-0"

7

WICHITA, KANSAS 11

Designed by	BCR, KJS, MMB	Checked by	MMB
Drawn by	JCP	Date	Nov., 1984
		Job No.	

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472-76-245-82045-000-000-00/ 8 11

PROJECT TOTALS
EXC = 2541.0 cy
LF = 8.5 cy
CF = 0 cy
MF = 0 cy

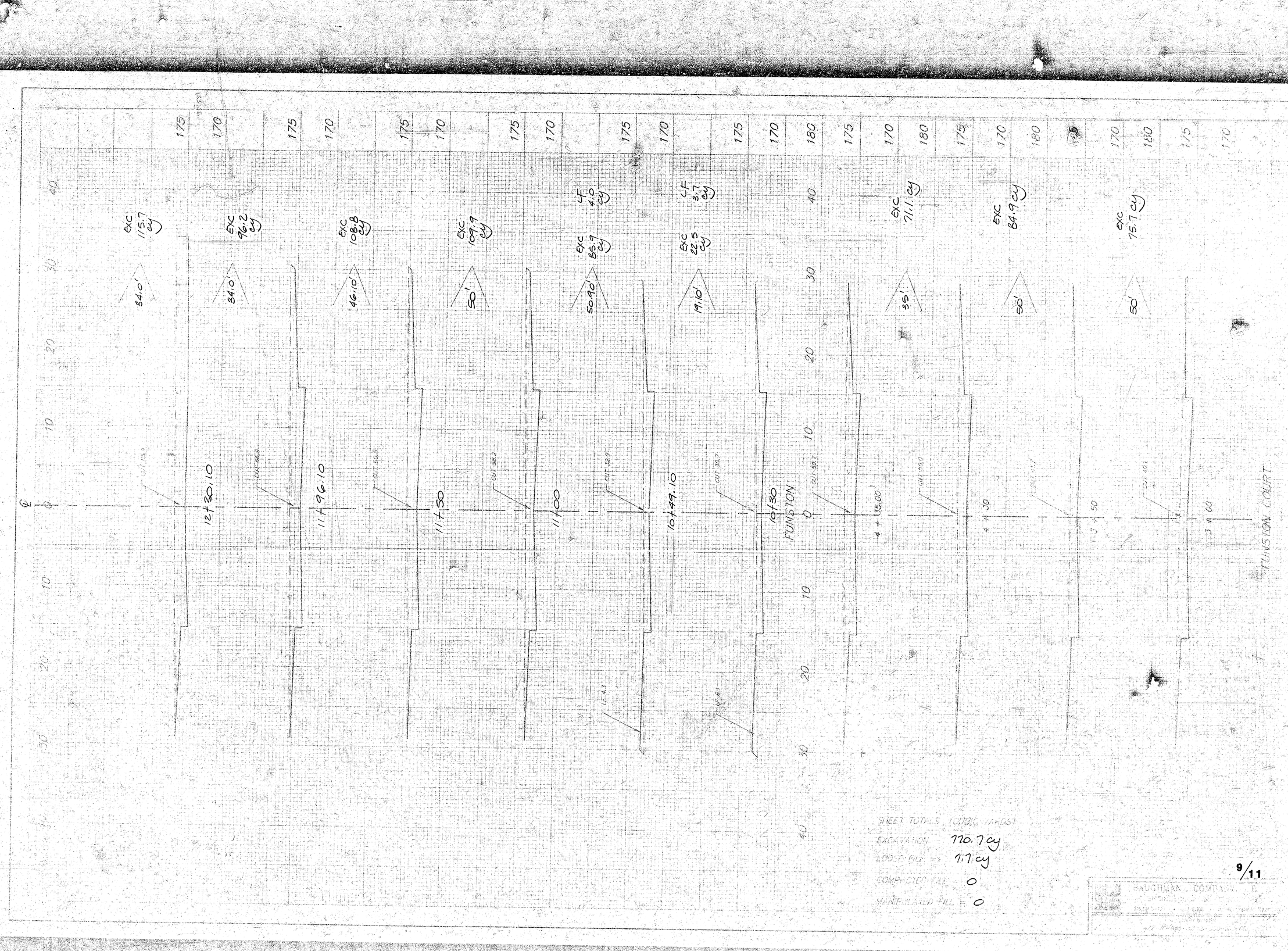
TUNSTAN COURT

0 + 00
0 + 24.75
0 + 49.99
1 + 00
1 + 50
2 + 00
2 + 50
3 + 00
3 + 50
4 + 00
4 + 50
5 + 00
5 + 50
6 + 00
6 + 24.75
6 + 49.99

EXC 14.5' 19.0 cy
EXC 10.75' 41.0 cy
EXC 24.75' 128.9 cy
EXC 24.75' 126.2 cy
EXC 25.24' 100.7 cy
EXC 50' 71.9 cy
EXC 50' 77.5 cy
EXC 50' 94.1 cy
EXC 50' 117.7 cy
EXC 50.01' 14.4 cy

CUT 0.0
CUT 10.9
CUT 135.2
CUT 146.1
CUT 130.3
CUT 86.8
CUT 66.2
CUT 94.5
CUT 46.1
CUT 0.0

175 180 185



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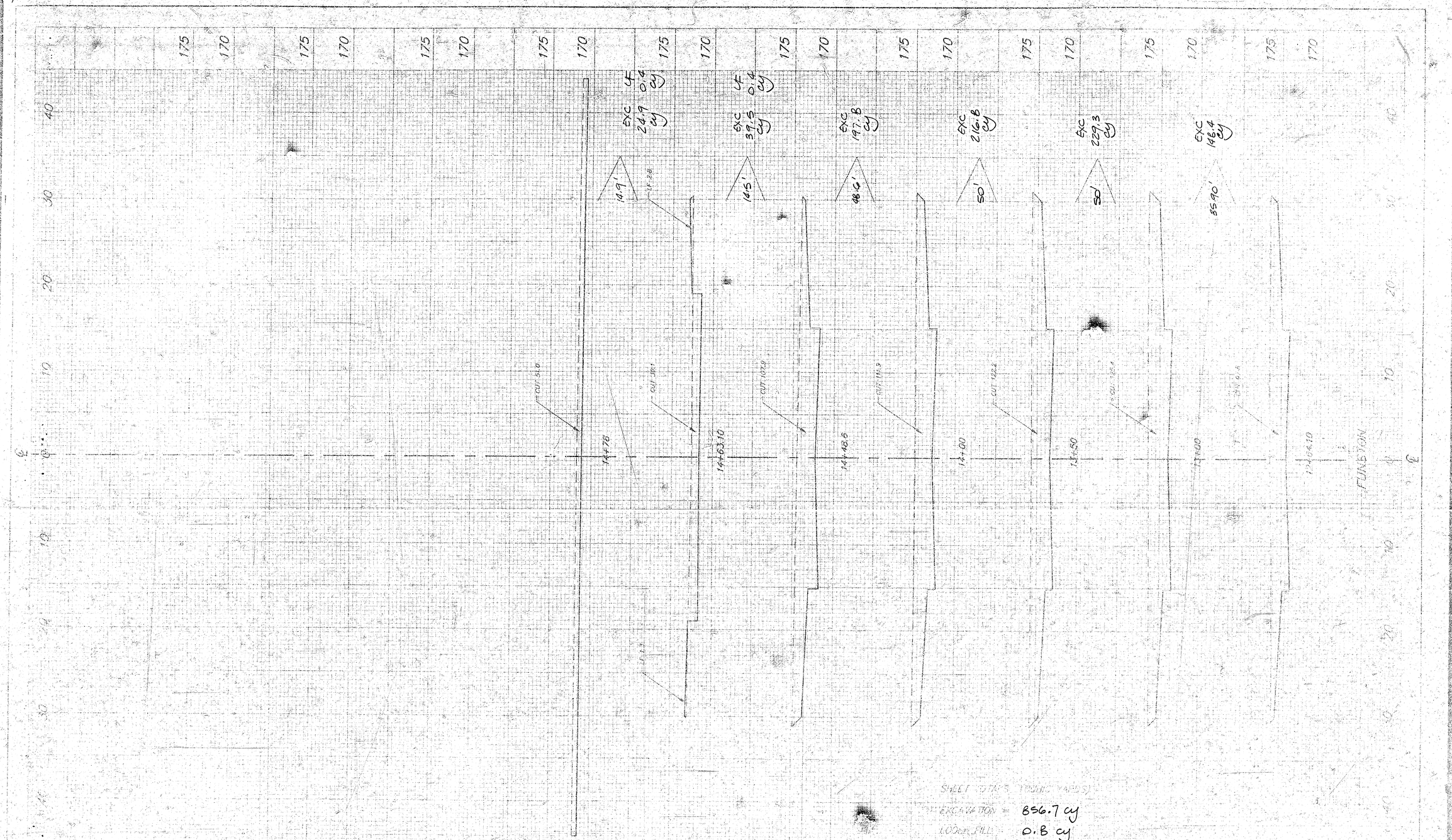

SHEET TOTALS (CUBIC YARDS)

EXCAVATION = 856.7 cy
LOOSE FILL = 0.8 cy
COMPACTED FILL = 0
UNACCOUNTED = 0

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CRANBROOK ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS.

State of Kansas)
Sedgwick County) SS We, Baughman Company, P.A., Surveyors in aforesaid county and state do hereby certify that we have surveyed and platted "CRANBROOK ADDITION", Wichita, Sedgwick County, Kansas and that the accompanying plat is a true and correct exhibit of the property surveyed, described as the W1/2 of the E1/2 of the NW1/4 of Sec. 33, Twp. 27-S, R-2-E of the 6th P.M., Sedgwick County, Kansas, except that portion platted as Red Oaks First Addition to Sedgwick County, Kansas.

Existing public easements and dedications, if any, being vacated by virtue of K.S.A. 12-512(b).

Baughman Company, P.A.

6/11/90 Date

GREGORY F. SEVERNS REGISTERED LS-876 KANSAS SURVEYOR

Gregory F. Severns Surveyor

Know all men by these presents that we, the undersigned, have caused the land described in the surveyors certificate to be platted into lots, blocks and streets to be known as "CRANBROOK ADDITION", Wichita, Sedgwick County, Kansas. The utility easements are hereby granted as indicated for the construction and maintenance of all public utilities. The streets are hereby dedicated to and for the use of the public.

Harry Kouri — Beverly Ann Kouri

Sammy H. Kouri — Jacqueline N. Kouri

James E. Cohlmia — Ruth L. Cohlmia

State of Kansas)
Sedgwick County) SS The foregoing instrument acknowledged before me, this 12th day of June 1990, by Harry Kouri and Beverly Ann Kouri, his wife and Sammy H. Kouri and Jacqueline N. Kouri, his wife and James E. Cohlmia and Ruth L. Cohlmia, his wife.

My App't. Exp. 6-15-93 Janice C. Bray Notary Public

Janice C. Bray NOTARY PUBLIC State of Kansas My Appt. Exp. 6-15-93

We, the undersigned, holders of a mortgage on the above described property do hereby consent to this plat of "CRANBROOK ADDITION", Wichita, Sedgwick County, Kansas.

The Haysville State Bank

Jack L. Jensik Senior Vice President

State of Kansas)
Sedgwick County) SS The foregoing instrument acknowledged before me, this 13th day of June 1990 by Jack L. Jensik S.V.P., President of The Haysville State Bank, on behalf of the corporation.

My App't Exp. 6-28-92 Janice C. Bray Notary Public

Janice C. Pray NOTARY PUBLIC State of Kansas My Appt. Exp. 6-28-92

This plat of "CRANBROOK ADDITION", Wichita, Sedgwick County, Kansas, has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.
Dated this 24th day of May 1990.

Wichita-Sedgwick County Metropolitan Area Planning Commission

SEAL

George D. Sherman Acting Chairman

Marvin S. Krout Secretary

Consent is hereby given for the formation of Sanitary Sewer Districts within the boundary of this plat by the Board of Sedgwick County Commissioners as they deem necessary to provide sanitary sewer service to this area.

This plat approved and all dedications shown hereon accepted by the City Council of the City of Wichita, Kansas, this ____ day of ____ 1990.

THE CITY OF WICHITA SEDGWICK COUNTY, KANSAS

Bob Knight Mayor

Pat Burnett Deputy City Clerk

Entered on transfer record this 17 day of July 1990.

Don Wright RONALD E. MILLER County Clerk

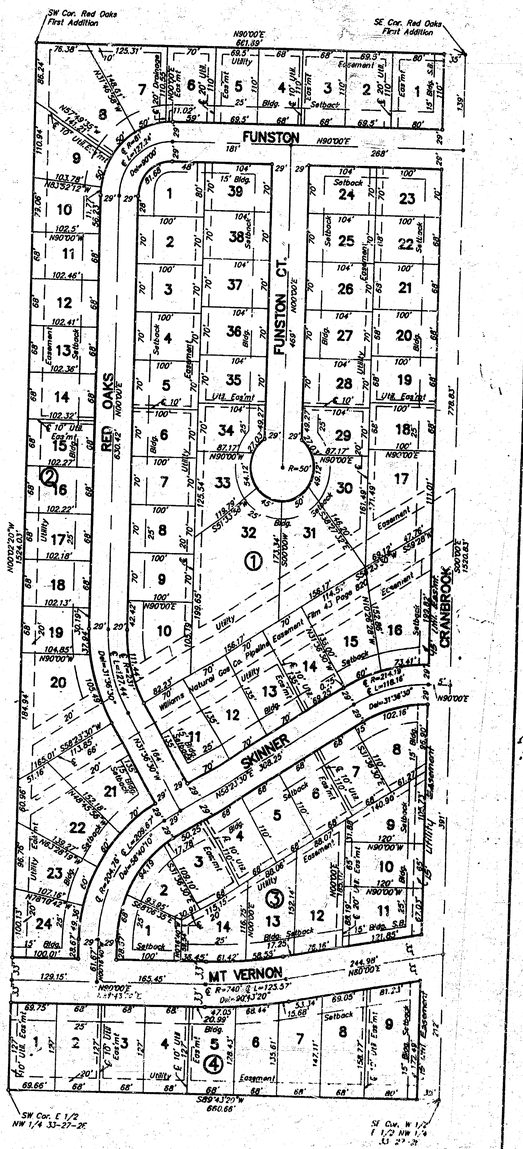
CLERK OF SEDGWICK COUNTY SEDGWICK COUNTY, KANSAS

State of Kansas)
Sedgwick County) SS This is to certify that this plat has been filed for record in the office of the Register of Deeds, this 17TH day of July 1990, at 12:00 o'clock P.M. and is duly recorded.

#108021

Pat Kettler Register of Deeds
Pat Kettler By Phyllis Kennedy

Phyllis Kennedy Deputy
Ed Rebsa Plat Clk Peggy Vander



(11)

CRANBROOK ADDITION

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