

STREET IMPROVEMENTS FOR THE NETT PARK ADDITION

YELLOWSTONE: FROM THE EAST LINE OF MAIZE ROAD TO THE WEST LINE OF YOSEMITE

YELLOWSTONE COURT: FROM THE NORTH LINE OF YELLOWSTONE TO AND INCLUDING CUL-DE-SAC

YELLOWSTONE COURT: FROM THE SOUTH LINE OF YELLOWSTONE TO AND INCLUDING CUL-DE-SAC

PROJECT NUMBER

472-76-245-81615-000-000-001

THE CITY of WICHITA, KANSAS

**MICHAEL E. LINDEBAK
CITY ENGINEER**

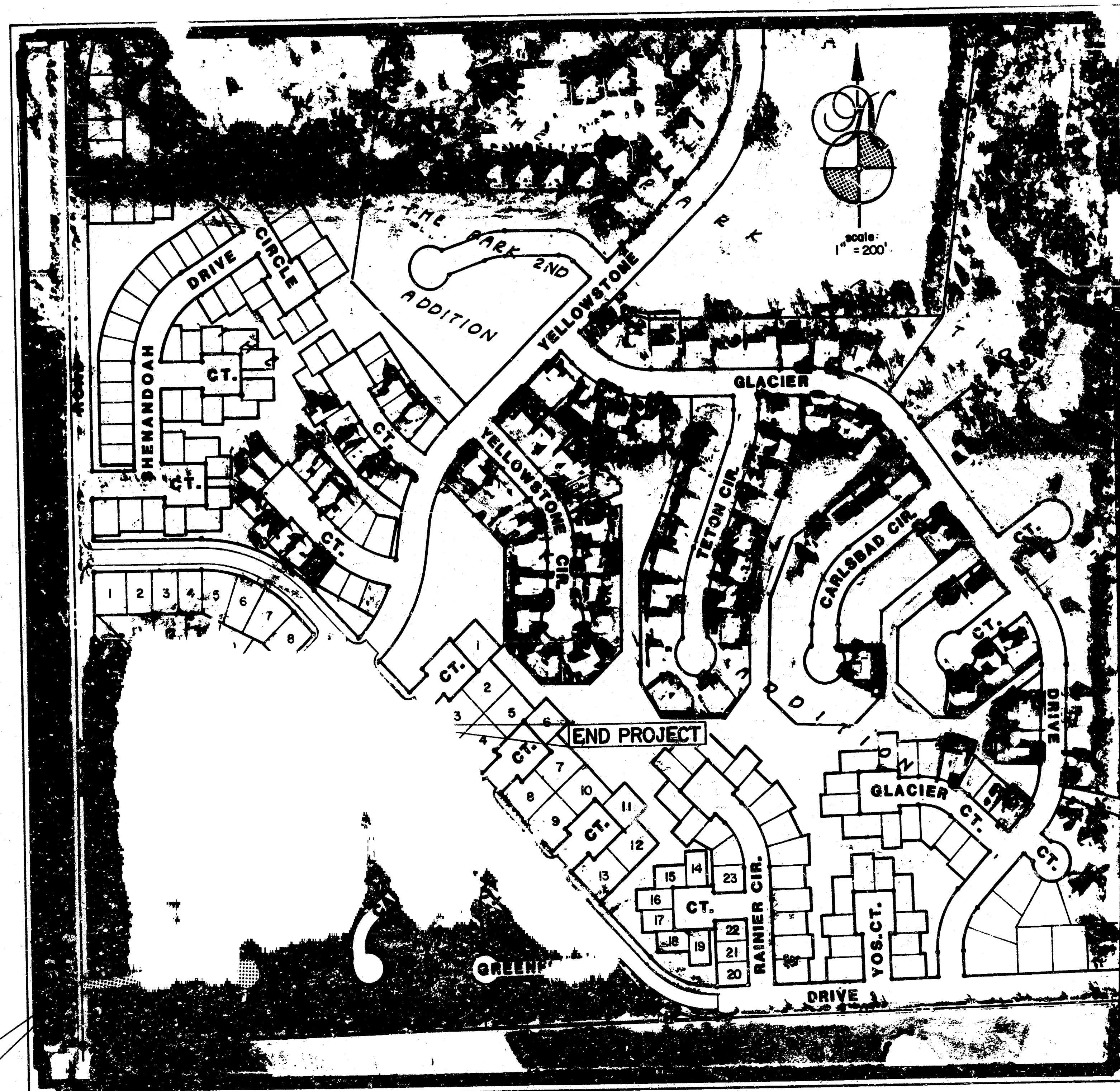
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Typical 35', 7" A.C. Pavement, Section	2
Plan Sheet; Yellowstone Sta. 0+00-5+50	3
Plan Sheet; Yellowstone Sta. 5+50-10+30	4
Plan Sheet; Yellowstone Courts	5
Earthwork Sections	G-9

BENCHMARKS

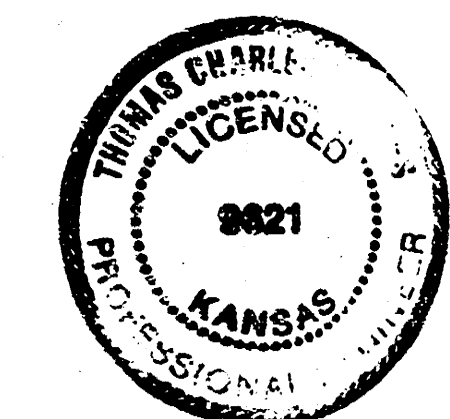
Bench Mark 1 City of Wichita Disc, Maize Rd. and 27th St. South, 25' east and 4' south of Quarter Sec. Corner. Elev. 145.64 City Datum

Bench Mark 2 6" Cut Top of Curb North end of Existing Northwest Curb Return @ Yosemite Dr. and Yellowstone. Elev. 139.98 City Datum



GENERAL NOTES

- 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.
- 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. No more than 1/2 drives 12 feet in width, or equivalent combinations thereof, are to be constructed with this project.
- 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.



June 20, 1988

TITLE SHEET

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

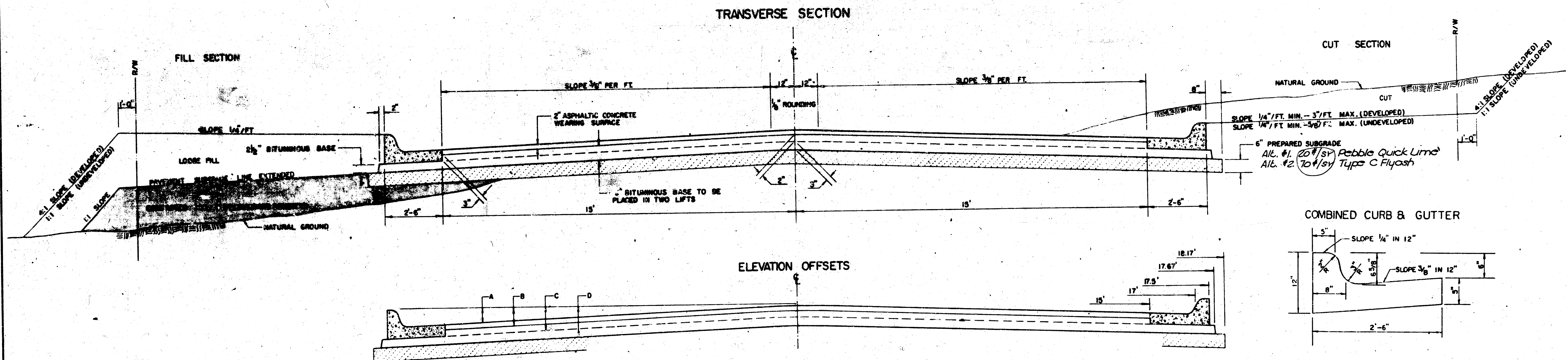
Prepared by: C. Bohm, Drawn by: R. J. Plush, Checked by: T. Ruggles, Date: , Scale: 1" = 200'

PHASE TWO

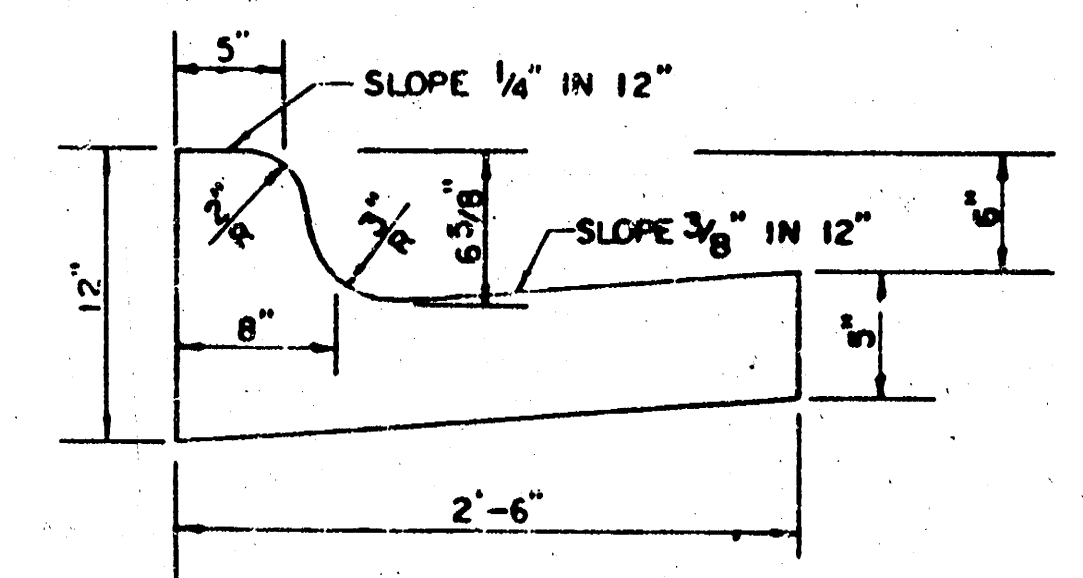
BENEFIT DISTRICT — — —

S/C 5'89

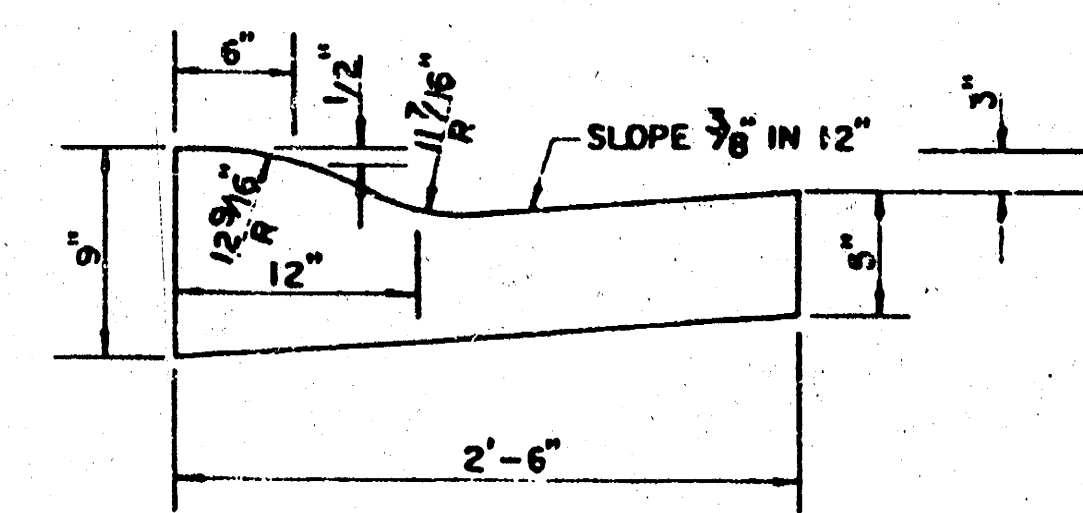
TYPICAL 35' PAVEMENT DETAILS



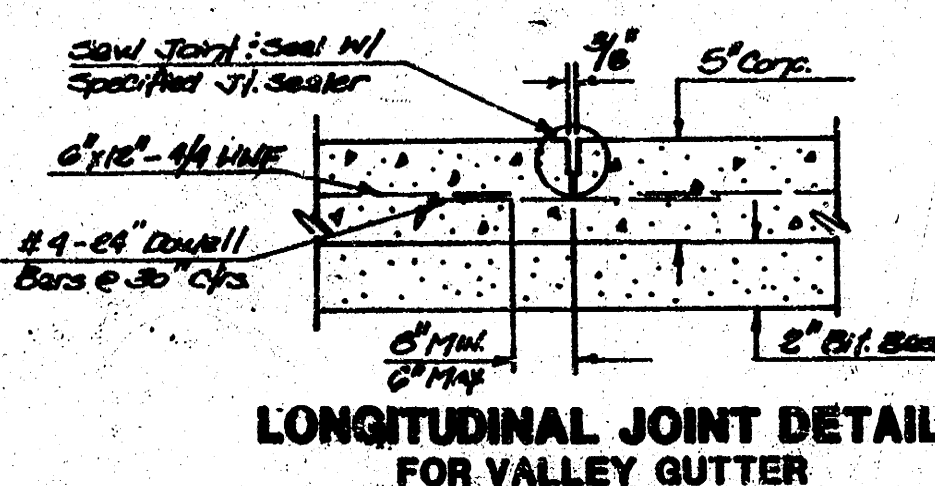
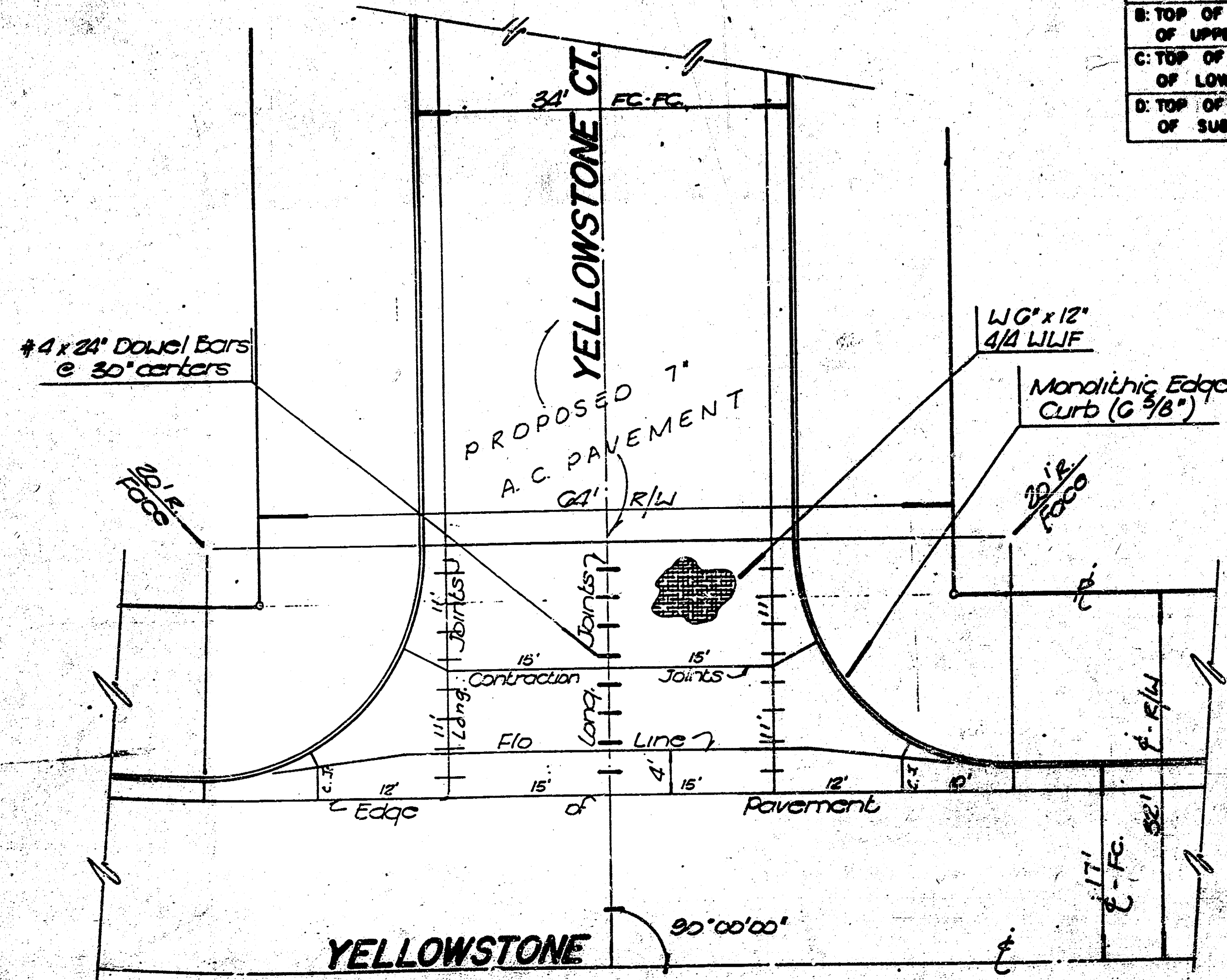
COMBINED CURB & GUTTER



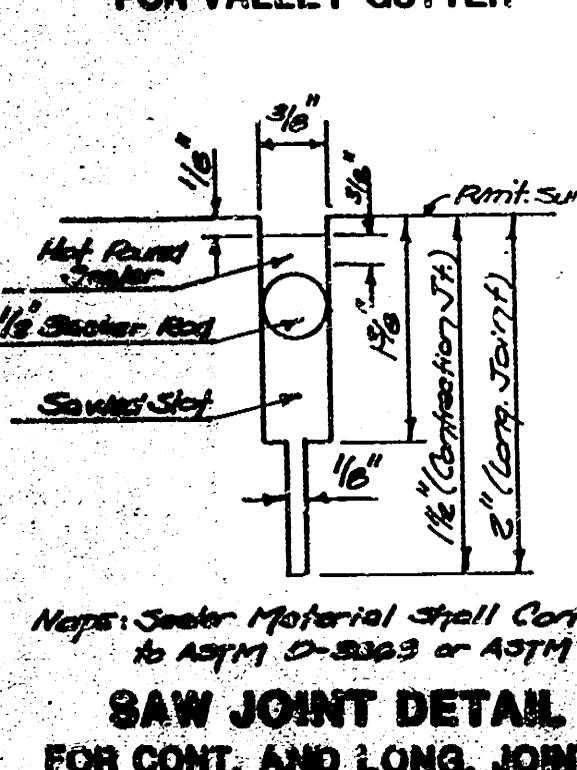
ROLL TYPE COMBINED CURB & GUTTER



	DISTANCE FROM CENTERLINE (LT. & RT.)													
	0'	2'	4'	6'	8'	10'	12'	14'	16'	17.5'	17.67'	18.17'		
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.04	0.08	0.14	0.21	0.29	0.33	0.39	0.46	0.49	—	—	—		
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.21	0.25	0.31	0.37	0.45	0.50	0.56	0.62	0.65	—	—	—		
C: TOP OF CURBS TO TOP OF LOWER BASE LIFT	0.37	0.43	0.50	0.57	0.67	0.72	0.79	0.87	0.90	0.98	1.00	1.00		
D: TOP OF CURBS TO TOP OF SUBGRADE	0.62	0.67	0.74	0.81	0.90	0.95	1.02	1.08	1.12	1.19	1.21	1.21		



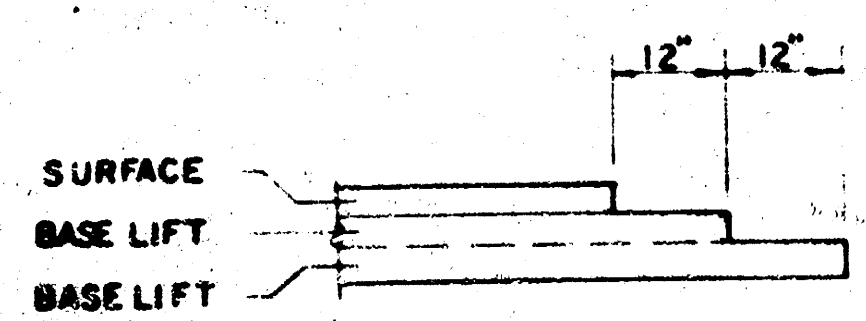
CONTRACTION JOINT FOR VALLEY GUTTER



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 CS-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 CONSTRUCTION THIS PROJECT.

TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT LIFTS 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).

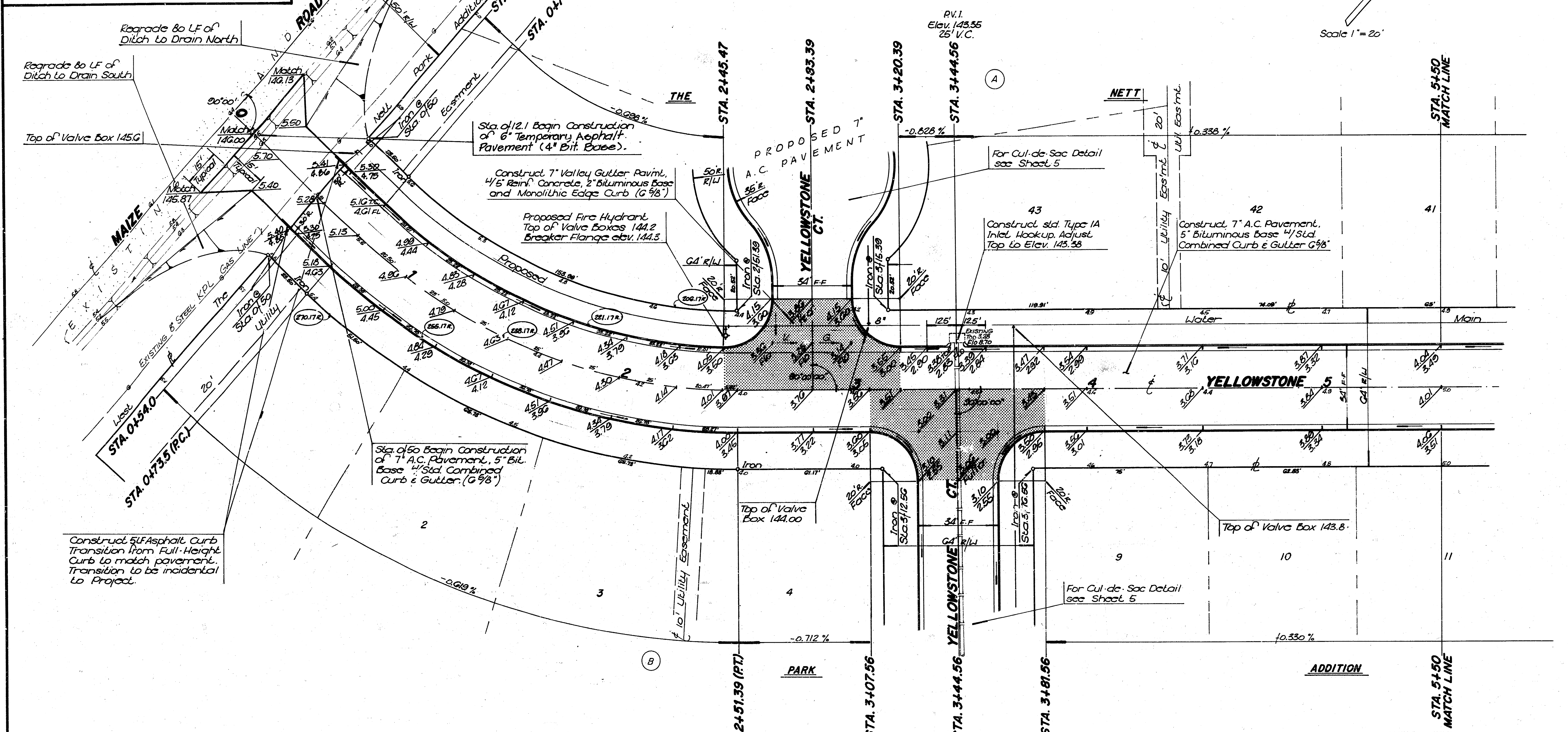
7 INCH RESIDENTIAL ASPHALTIC CONCRETE PAVEMENT WITH 5 INCH BITUMINOUS BASE	
CITY OF WICHITA, KANSAS	
PROJECT NUMBER	472-76-245-81615-000-000-001
	2 2/9

BENCHMARKS

Bench Mark 1: City of Wichita Disc, Maize Rd. and 27th St. South, 25' east and 4' south of Quarter Sec. Corner. Elev. 145.54 City Datum

Bench Mark 2: a' Cut. Top of Curb North end of Existing Northwest Curb Return of Yosemite Dr. and Yellowstone. Elev. 139.96 City Datum

INTERSECTION QUANTITIES	
SY	Concrete Pavement
SY	Asphaltic Conc. Pavement (2" Bituminous Base)
SY	Bituminous Base
LF	Combined Curb & Gutter
LF	Monolithic Edge Curb
SF	4" Wheelchair Ramp
SF	4" Walk
CY	Excavation
CY	Compacted Fill
Lbs.	Reinforcing Steel
SY	Manipulation
Tons	Lime or Cement
SY	Valley Gtr. (2" Concrete & 2" Asphaltic Conc. Base)



CURVE DATA BASED ON CENTERLINE DATA

R=238.17' Δ=42°41'40" = 177.89' Chd. = 173.78' Tan. = 93.32' Def/It. = 7.217' min.					
Station	Arc Length	B'Left/face	B'Right/face	Deflection Angle	Total Deflection Angle
0+73.5 RC	0			0°00'00"	0°00'00"
1+00	26.5'	23.71'	29.27'	3°11'15"	3°11'15"
1+25	26'	22.51'	27.02'	3°00'26"	6°11'41"
1+50	26'	22.51'	27.02'	3°00'26"	9°12'07"
1+75	26'	22.51'	27.02'	3°00'26"	12°12'32"
2+00	26'	22.51'	27.02'	3°00'26"	15°12'57"
2+25	26'	22.51'	27.02'	3°00'26"	18°13'23"
2+50	26'	22.51'	27.02'	3°00'26"	21°13'49"
2+75	26'	22.51'	27.02'	3°00'26"	24°14'14"
3+00	26'	22.51'	27.02'	3°00'26"	27°14'40"
3+25	26'	22.51'	27.02'	3°00'26"	30°15'05"
3+50	26'	22.51'	27.02'	3°00'26"	33°15'31"
3+75	26'	22.51'	27.02'	3°00'26"	36°15'56"
4+00	26'	22.51'	27.02'	3°00'26"	39°16'22"
4+25	26'	22.51'	27.02'	3°00'26"	42°16'47"
4+50	26'	22.51'	27.02'	3°00'26"	45°17'13"
4+75	26'	22.51'	27.02'	3°00'26"	48°17'38"
5+00	26'	22.51'	27.02'	3°00'26"	51°18'04"
5+25	26'	22.51'	27.02'	3°00'26"	54°18'29"
5+50	26'	22.51'	27.02'	3°00'26"	57°18'54"

EARTHWORK QUANTITIES

Excavation	402.11	Exc.	Compacted Fill	0	Exc.
+10%	402.1		+10%	0	
Total	4423.2	Exc.	Total	0	Exc.
Subgrade Manipulation	5015	Exc.			
Borrow Material	0	Exc.			

INTERSECTION QUANTITIES

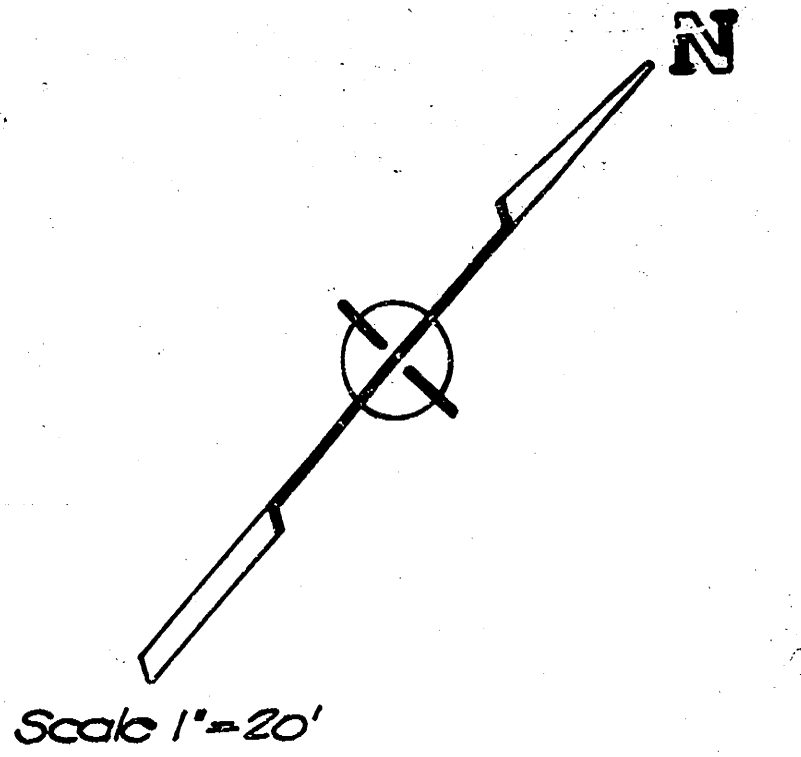
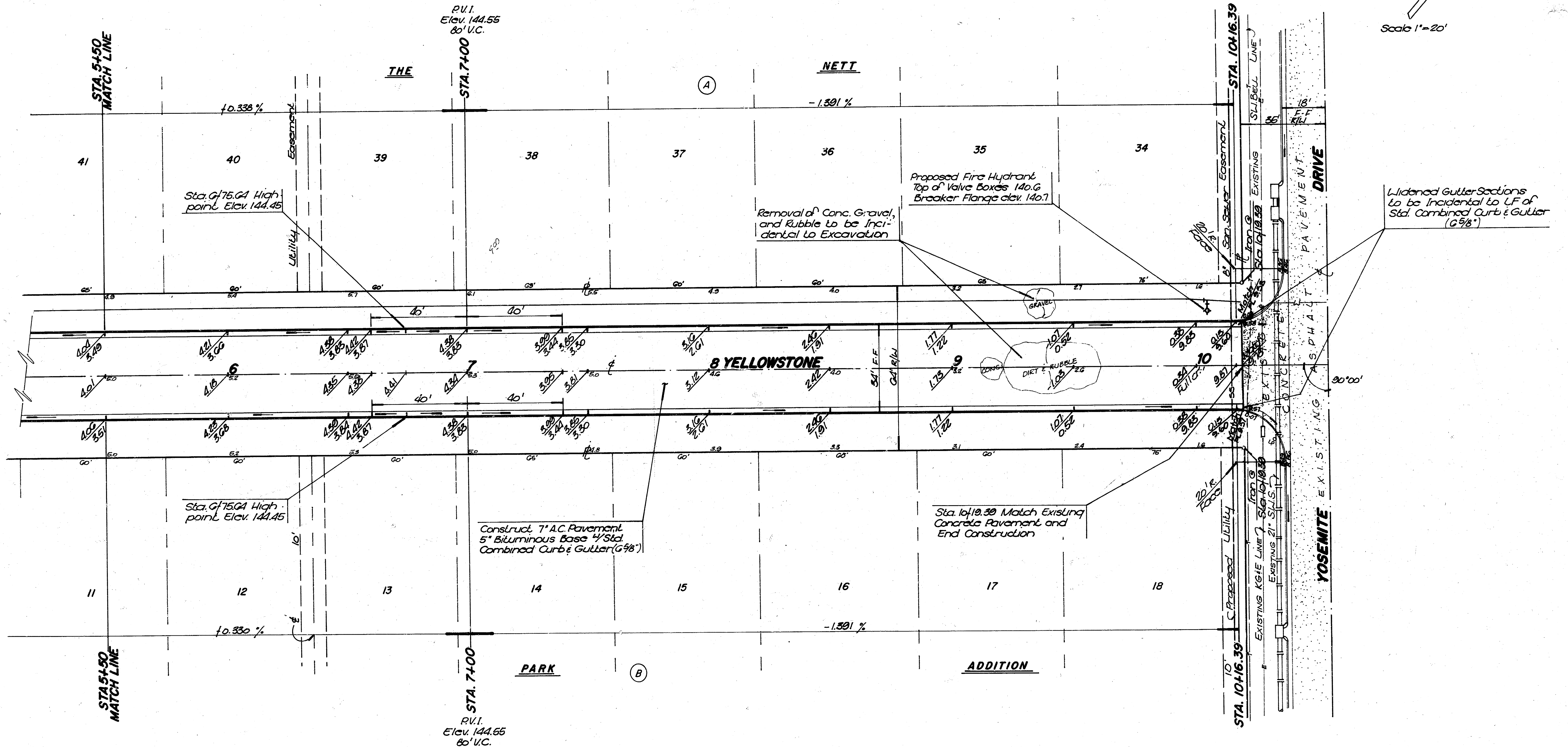
SY	Concrete Pavement
SY	Asphaltic Conc. Pavement (2" Bituminous Base)
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LF	Combined Curb & Gutter
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SF	4" Wheelchair Ramp
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CY	Excavation
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Lbs.	Reinforcing Steel
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Tons	Lime or Cement
SY	Valley Gtr. (2" Concrete & 2" Asphaltic Conc. Base)

YELLOWSTONE			
STA. 0+00 (FROM THE EAST LINE MAIZE RD.) TO STA. 5+50			
		BAUGHMAN COMPANY P. A. SURVEYING & ENGINEERING 318/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211	
PROJECT NUMBER 472-76-245-81615-000-000-001		SHEET 3 OF 9	
DESIGN	DRAWN	APPROVED	DATE
C. Bohm	R.J. Plush	T. Ruggles	June '88
SCALE		1" = 20'	

BENCHMARKS

Bench Mark 1: City of Wichita Disc. Main Rd. and 27th St. South, 25' east and 4' south of Quarter Sec. Corner. Elev. 145.54 City Datum

Bench Mark 2: a Cut Top of Curb North end of Existing Northwest Curb Return @ Yosemite Dr. and Yellowstone. Elev. 139.98 City Datum

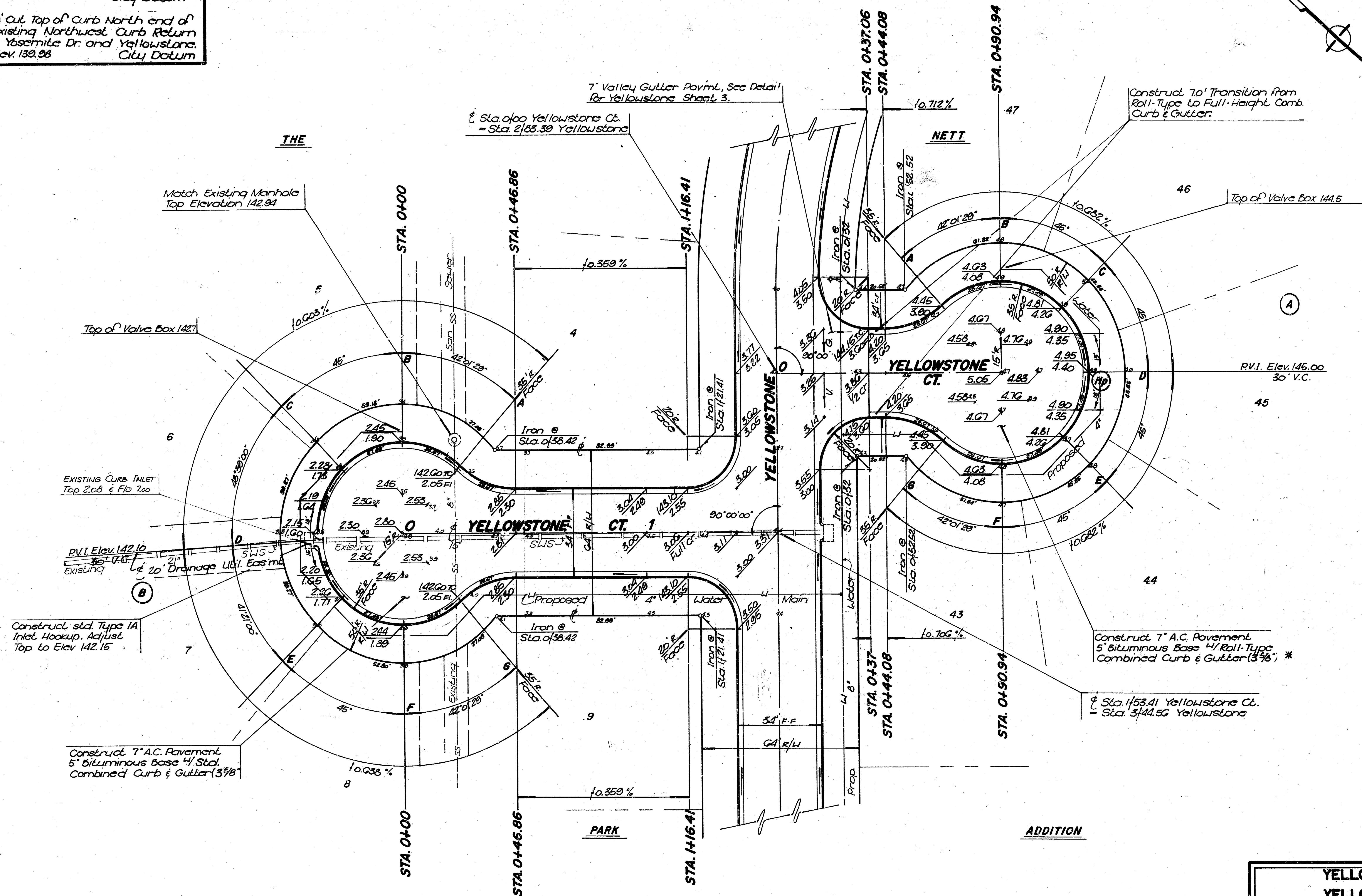


YELLOWSTONE					
STA. 5+50 TO (THE WEST LINE YOSEMITE DR.) STA. 10+16.39					
BAUGHMAN COMPANY P. A.		SURVEYING & ENGINEERING		REV.	
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211		PROJECT NUMBER		SHEET	
472-76-245-81615-000-000-001		DATE		OF	
DESIGN	DRAWN	APPROVED	DATE	SCALE	
C. Bohm	R. J. Plush	T. Ruggles	June 88	1" = 20'	4 1/9

BENCHMARKS

Bench Mark 1: City of Wichita Disc, Maize Rd. and 27th St. South, 25' east and 4' south of Quarter Sec. Corner. Elev. 145.54 City Datum

Bench Mark 2: Cut, Top of Curb North end of Existing Northwest Curb Return @ Yosemite Dr. and Yellowstone. Elev. 139.93 City Datum

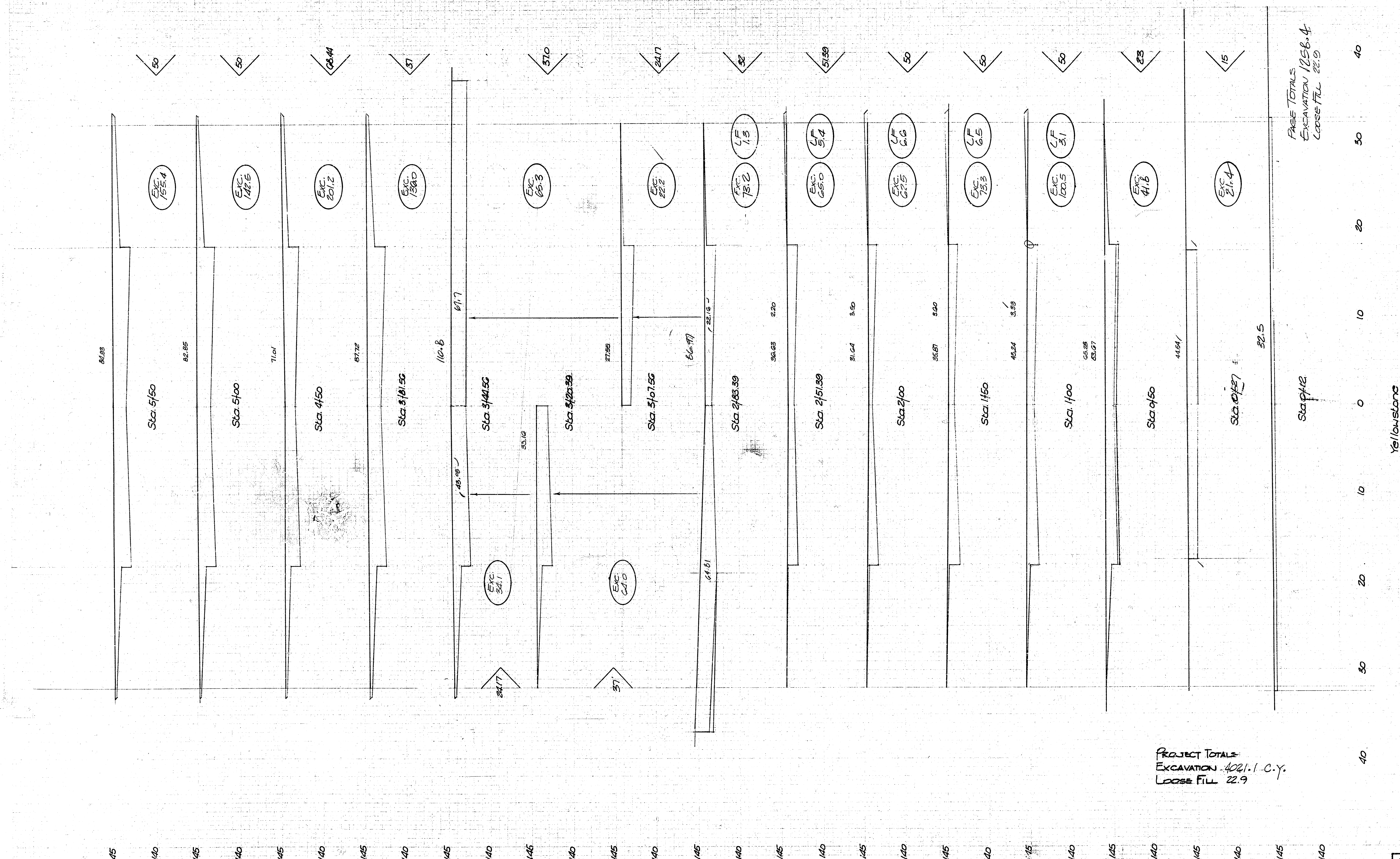


* NOTE:
Roll-Type Combined Curb & Gutter (3 3/8") is to be constructed in the North Yellowstone Court only. The elevations are not the actual top of curb for the true top of curb elevation add 0.30 to the Flow Line Elevation. Transitions from Full Height to Roll-Type Curb to be paid for as LF of Full-Height Combined Curb & Gutter (5 3/8")

YELLOWSTONE COURT YELLOWSTONE COURT

BAUGHMAN COMPANY P. A. SURVEYING & ENGINEERING 316/282-7271 • 315 ELLIS • WICHITA, KANSAS 67211				REV.
PROJECT NUMBER 472-76-245-81615-000-000-001				SHEET 5
DESIGN C. Bohm	DRAWN R.J. Plush	APPROVED T. Ruggles	DATE June 28	SCALE 1" = 20'
				OF 9

Earthwork Sections
The Nell Park Addition



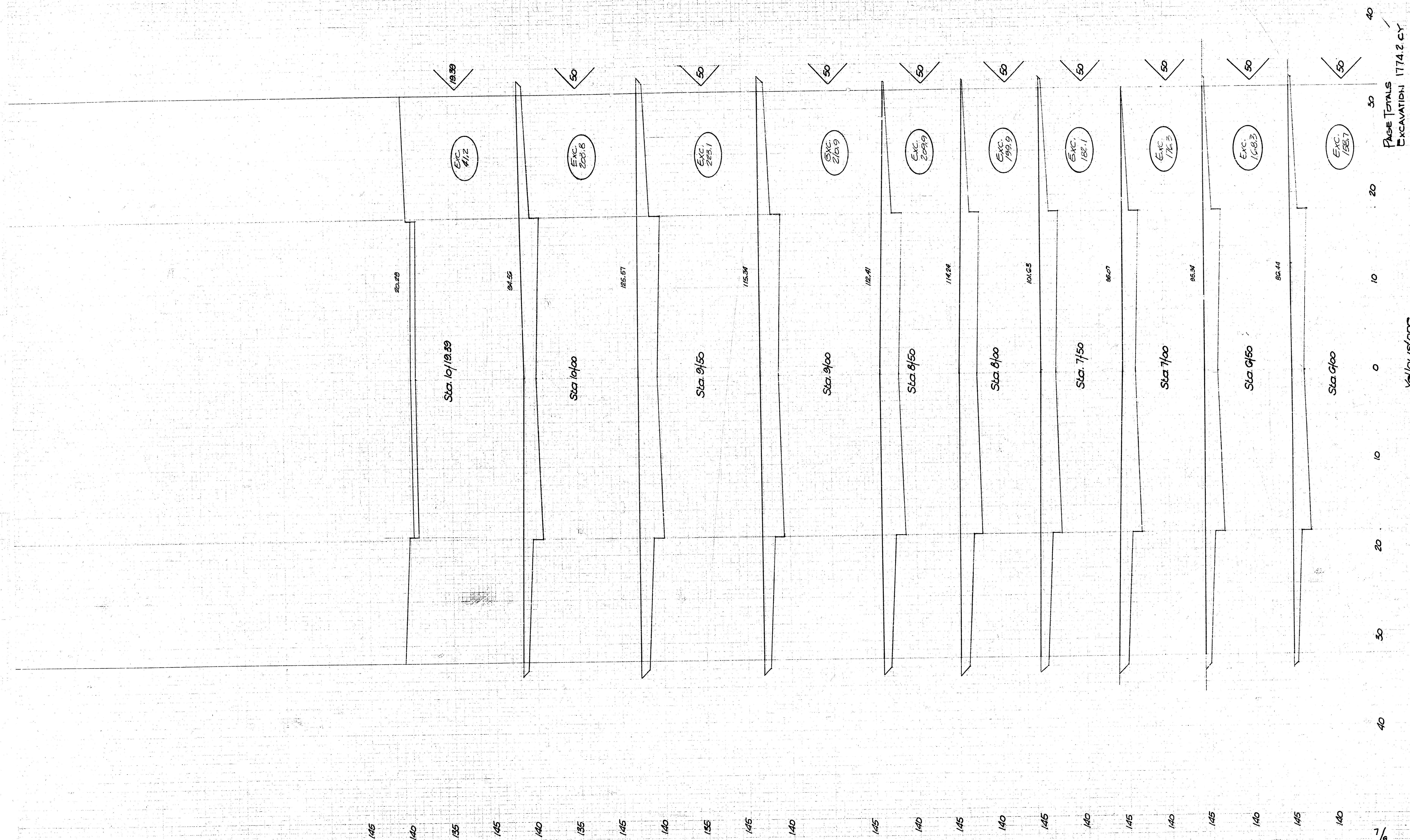
PROJECT TOTALS
EXCAVATION 4021.1 C.Y.
LOOSE FILL 22.9

PAGE TOTALS
EXCAVATION 1258.4
LOOSE FILL 22.9

Sta. 0/12

Yellowstone

Earthwork Sections
The Nell Park Addition

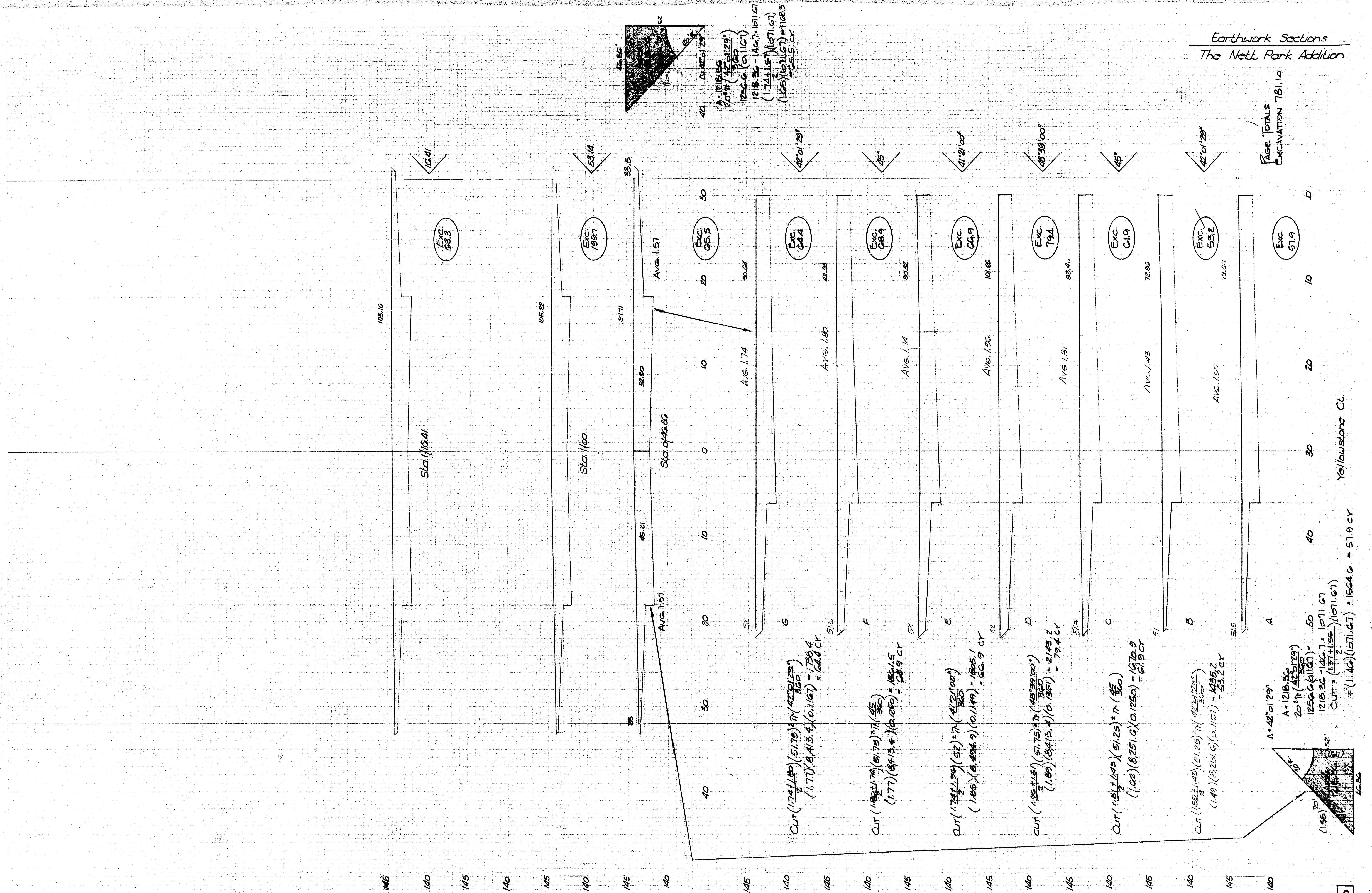


PAGE TOTALS
EXCAVATION 1774.2 CY

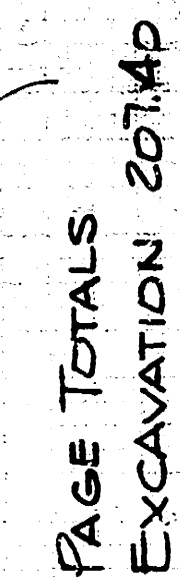
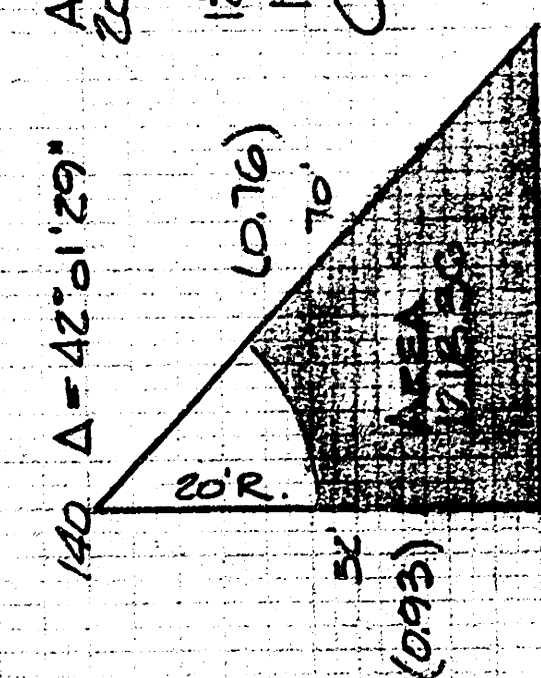
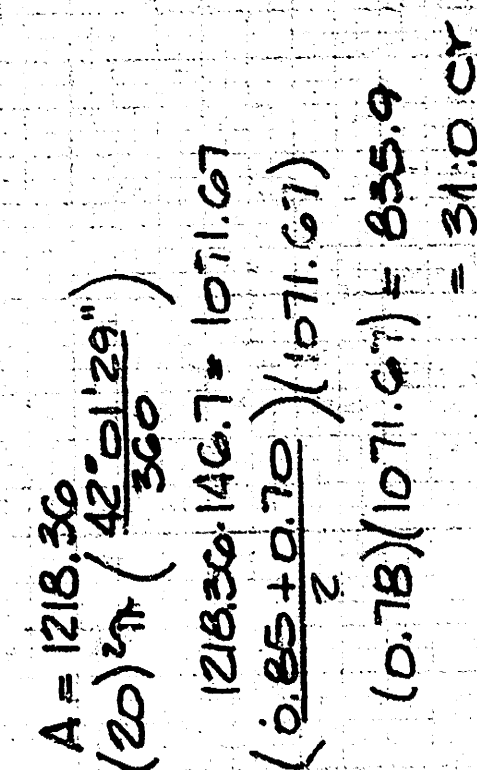
Yellowstone

Earthwork Sections
The Nett Park Addition

PAGE TOTALS
EXCAVATION 781.10



7



Stc. of 37.08

Yellowstone Ct.