

CITY OF WICHITA, SEDGWICK COUNTY, KANSAS

MICHAEL E. LINDEBAK, P.E., CITY ENGINEER

STREET IMPROVEMENTS

- VALLEYVIEW** - FROM THE INTERSECTION OF 19TH STREET TO THE S.L. OF LOT 59, BLOCK 1,
AND THE S.L. OF LOT 18, BLOCK 7, SERVING LOTS 20, 21, & 38, BLOCK 5,
AND LOT 18, BLOCK 7.
- BELLA VISTA** - FROM THE E.L. OF VALLEYVIEW TO THE N.L. OF LOT 44, BLOCK 1, AND THE
N.L. OF LOT 11, BLOCK 4, SERVING LOTS 44 THROUGH 58 AND LOT 60,
BLOCK 1, AND LOTS 11 THROUGH 21, BLOCK 4.

IN

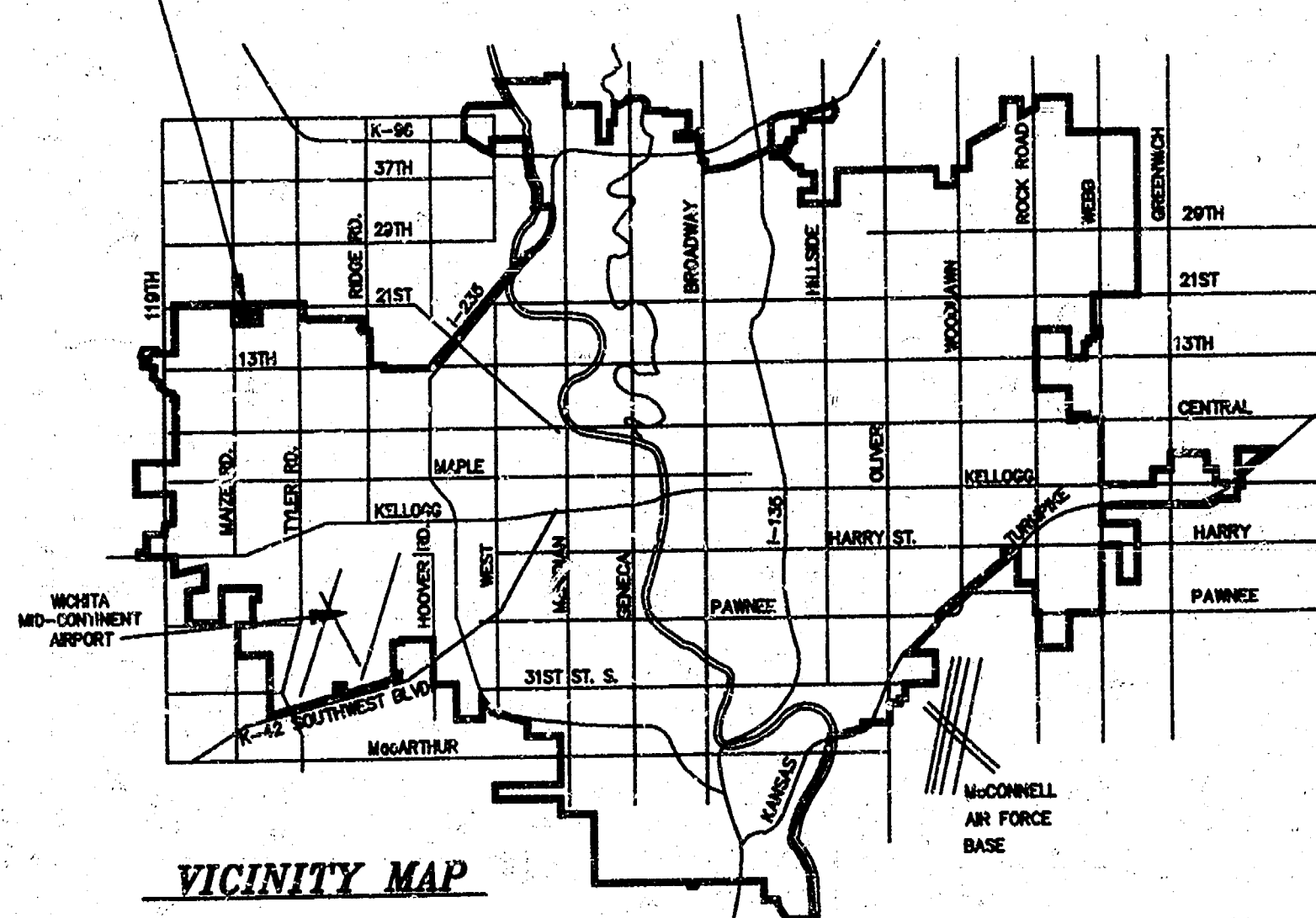
GRAF-GOLDSTON ADDITION - PHASE 2B

CITY OF WICHITA PROJECT NO. 472-82282

INDEX NO. 761767

PROJECT SITE

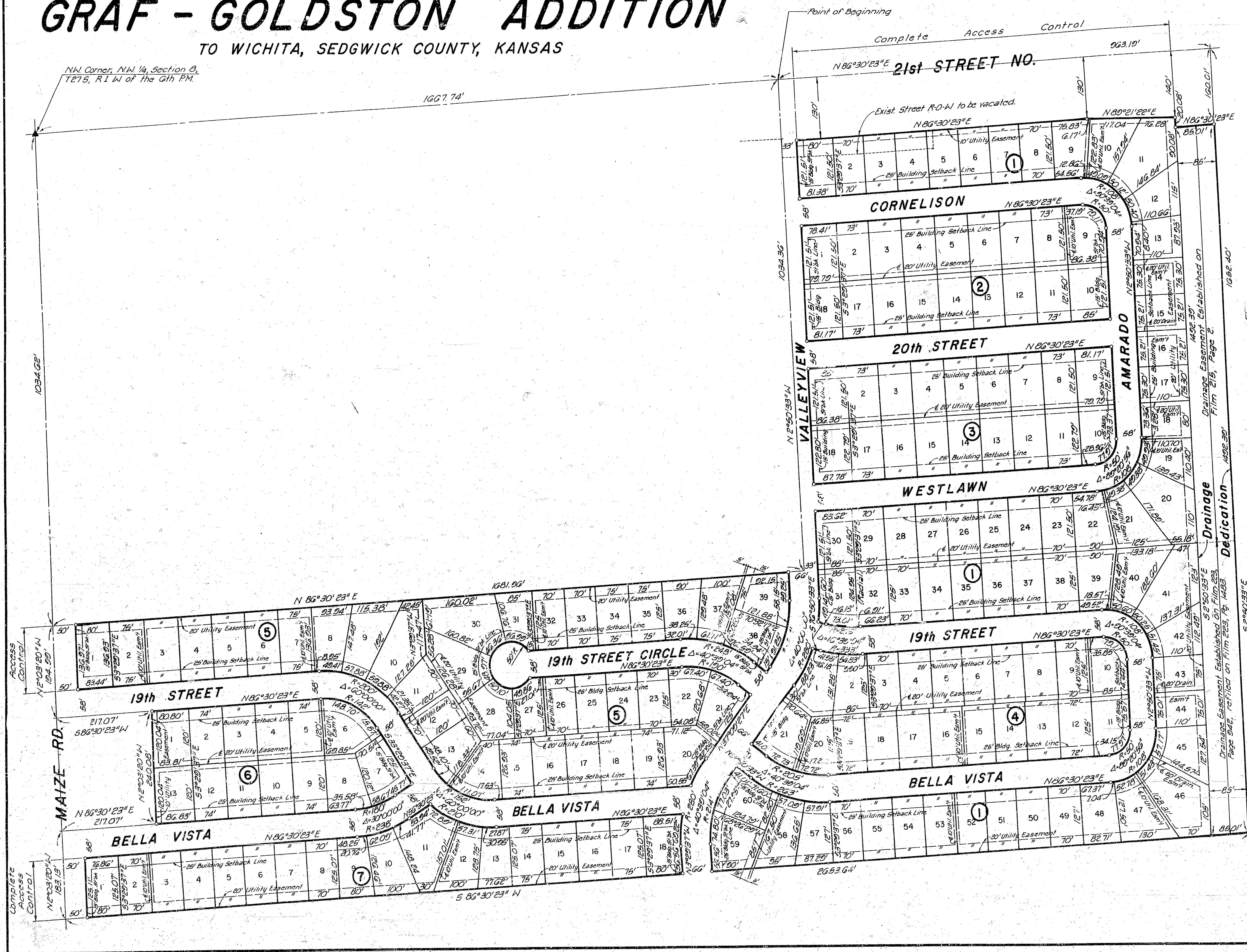
GRAF - GOLDSTON ADDITION
IN WICHITA, SEDGWICK CO., KANSAS



GRAF - GOLDSTON ADDITION

TO WICHITA, SEDGWICK COUNTY, KANSAS

N.W. Corner, N.W. 1/4, Section 8,
T27S, R1W of the 6th P.M.

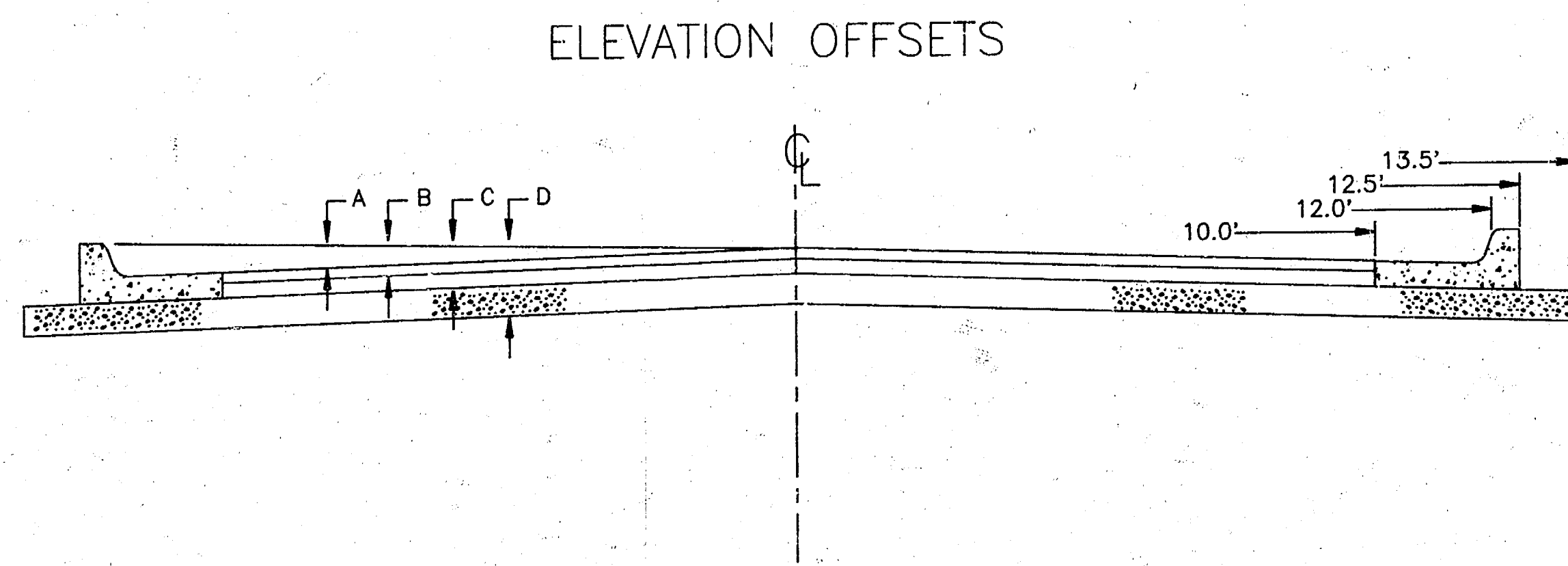
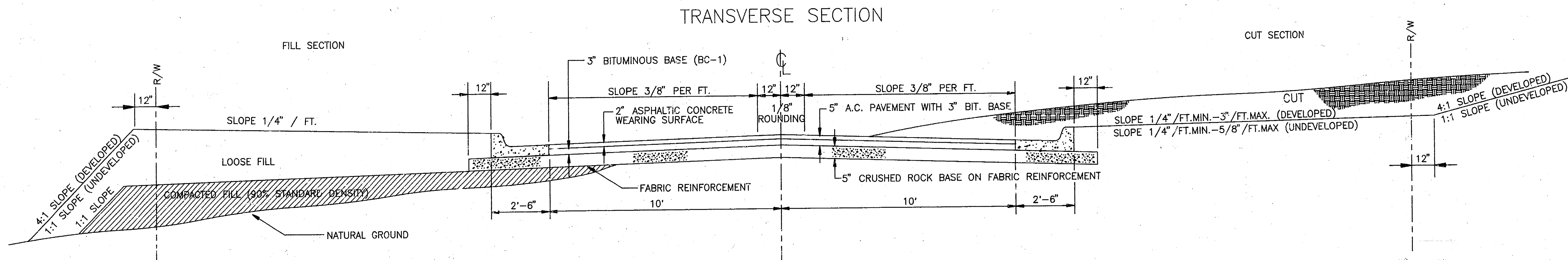


Scale: 1"=100'
August 14, 1984

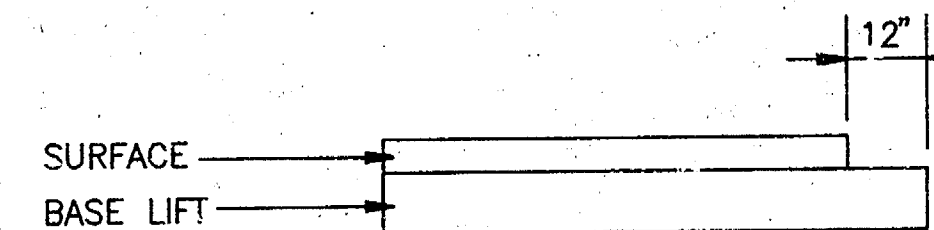
Bench Mark - City of Wichita
B.M. Disc 64' east & 00'
south of E's Maize Rd.
& 21st St. No.
Elev. 1351.70 MSL

No.	Revision	By	Date
CITY OF WICHITA, KANSAS GRAF - GOLDSTADT ADDITION PLAT Michael E. Lindeborg, P.E. — City Engineer City of Wichita Project No. <u>472-76-245-82262-000-000-000</u> TerraTech Inc. ENGINEERING ✦ SURVEYING P.O. Box 244 4020 West 10th Street Wichita, KS 67201 (316) 946-0332			
Designed by	Job No.	Sh. T. of	
Drawn by DRS	Date October 29, 1992	15	

TYPICAL 25' PAVEMENT DETAILS



FABRIC BASE REINFORCEMENT SHALL BE B X 1100 GEOGRID AS MANUFACTURED BY TENSAR CORPORATION OR APPROVED EQUAL. FABRIC BASE REINFORCEMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS. CRUSHED ROCK SHALL BE UNIFORMLY GRADED FROM 1-1/2" MAXIMUM SIZE TO NOT MORE THAN 10% PASSING A NO. 200 SIEVE. ROCK QUALITY SHALL BE THE SAME AS SPECIFIED FOR COARSE AGGREGATE FOR CONCRETE MIXES.



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINTS 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 5" ASPHALTIC CONCRETE PAVEMENT (3" BITUMINOUS BASE)

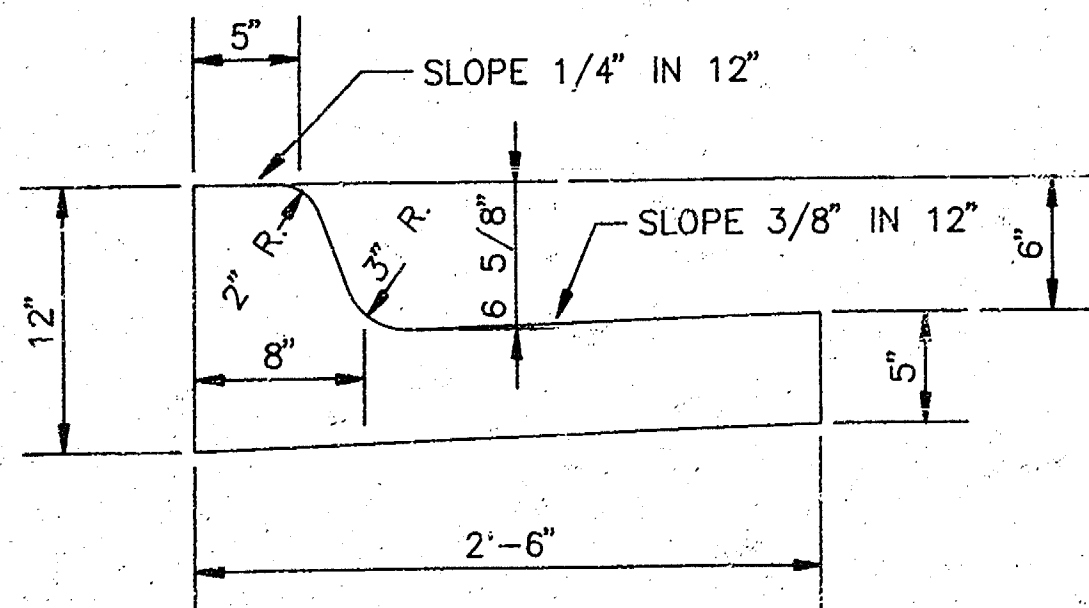
ROCK BASE IS TO BE COMPACTED AND SMOOTHED WITH A STEEL
FACED ROLLER PRIOR TO PLACEMENT OF ASPHALT. TACK COAT WILL
NOT BE APPLIED TO ROCK BASE.

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.

BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.

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.

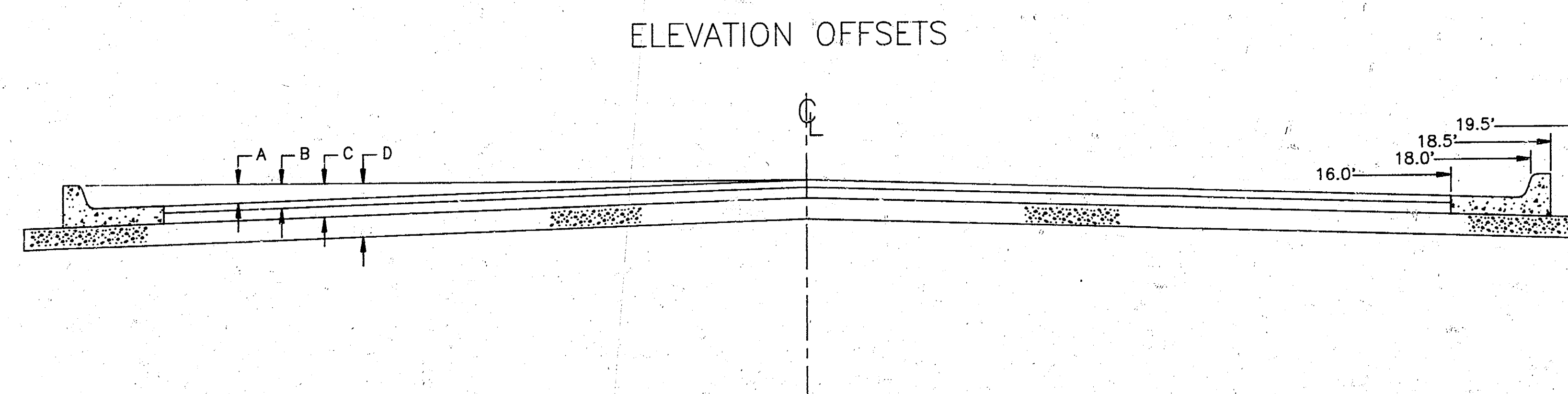
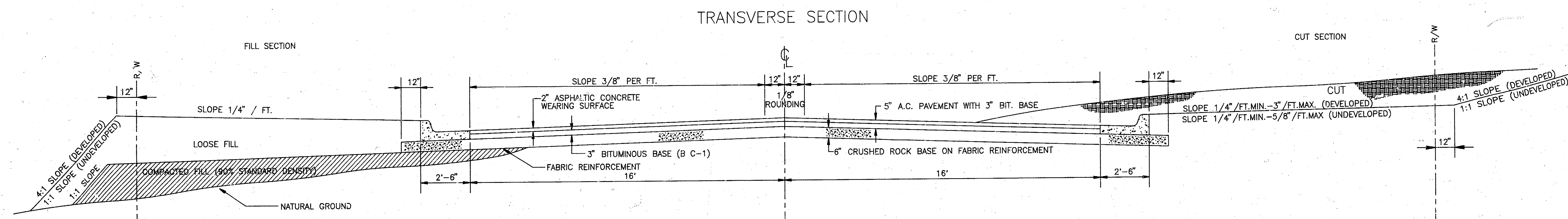
COMBINED CURB & GUTTER



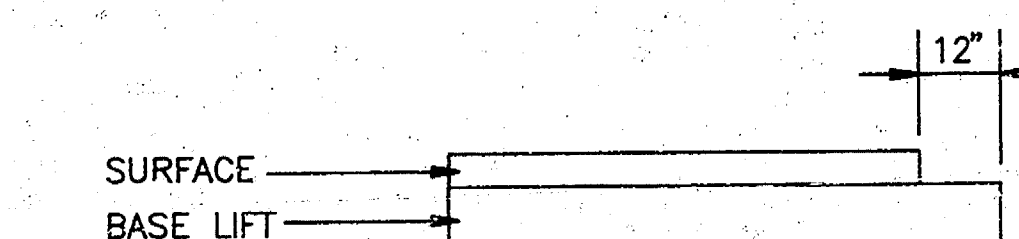
	DISTANCE FROM CENTERLINE (LT. & RT.)								
	0'	2'	4'	6'	8'	10'	12'	12.5'	13.5'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	.20	.25	.31	.37	.43	.50	---	---	---
B: TOP OF CURBS TO TOP OF LOWER BASE LIFT	.37	.41	.48	.54	.60	.66	---	---	---
C: TOP OF CURBS TO TOP OF CRUSHED ROCK	.62	.66	.73	.79	.85	.91	.98	1.00	1.02
D: TOP OF CURBS TO TOP OF REINFORCEMENT	1.04	1.08	1.14	1.21	1.27	1.33	1.39	1.41	1.44

5" RESIDENTIAL ASPHALTIC CONCRETE
PAVEMENT WITH CRUSHED ROCK BASE
ON FABRIC REINFORCEMENT

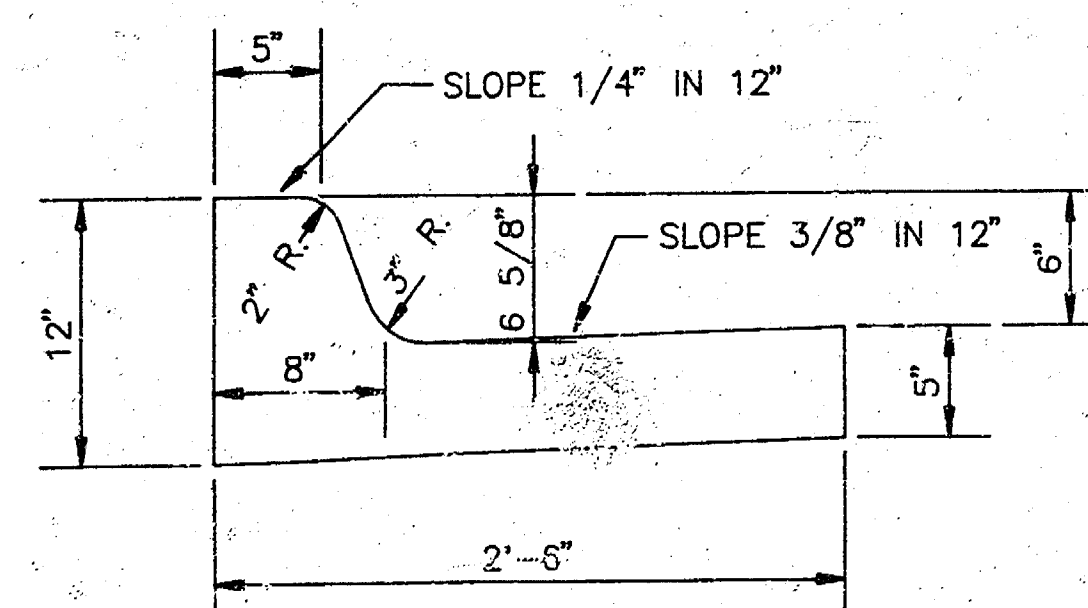
TYPICAL 37' PAVEMENT DETAILS



FABRIC BASE REINFORCEMENT SHALL BE B X 1100 GEOGRID AS MANUFACTURED BY TENSAR CORPORATION OR APPROVED EQUAL. FABRIC BASE REINFORCEMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. CRUSHED ROCK SHALL BE UNIFORMLY GRADED FROM 1-1/2" MAXIMUM SIZE TO NOT MORE THAN 10% PASSING A NO. 200 SIEVE. ROCK QUALITY SHALL BE THE SAME AS SPECIFIED FOR COARSE AGGREGATE FOR CONCRETE MIXES.



COMBINED CURB & GUTTER



	DISTANCE FROM CENTERLINE (LT. & RT.)											
	0'	2'	4'	6'	8'	10'	12'	14'	16'	18'	18.5'	19.5'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	.01	.05	.11	.18	.24	.30	.36	.43	.49	---	---	---
B: TOP OF CURBS TO TOP OF LOWER BASE LIFT	.17	.22	.28	.34	.40	.47	.53	.59	.65	---	---	---
C: TOP OF CURBS TO TOP OF CRUSHED ROCK	.42	.47	.53	.59	.65	.72	.78	.84	.90	.97	.98	1.01
D: TOP OF CURBS TO TOP OF FABRIC REINFORCEMENT	.92	.97	1.03	1.09	1.15	1.22	1.28	1.34	1.4	1.47	1.48	1.51

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 5" ASPHALTIC CONCRETE PAVEMENT (3" BITUMINOUS BASE).

ROCK BASE IS TO BE COMPACTED AND SMOOTHED WITH A STEEL FACED ROLLER PRIOR TO PLACEMENT OF ASPHALT. TACK COAT WILL NOT BE APPLIED TO ROCK BASE.

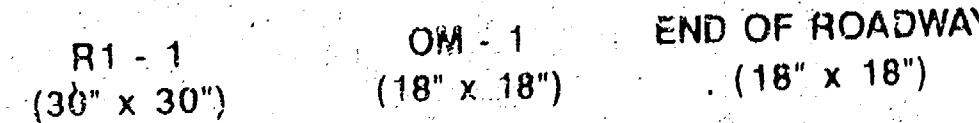
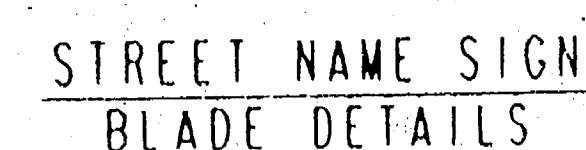
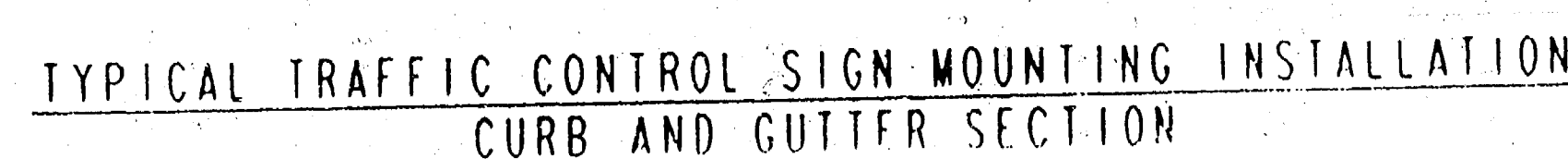
A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.

BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.

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.

City of Wichita Project No. 472-82282

SHEET	5	OF	15
5" RESIDENTIAL ASPHALTIC CONCRETE PAVEMENT WITH CRUSHED ROCK BASE ON FABRIC REINFORCEMENT			



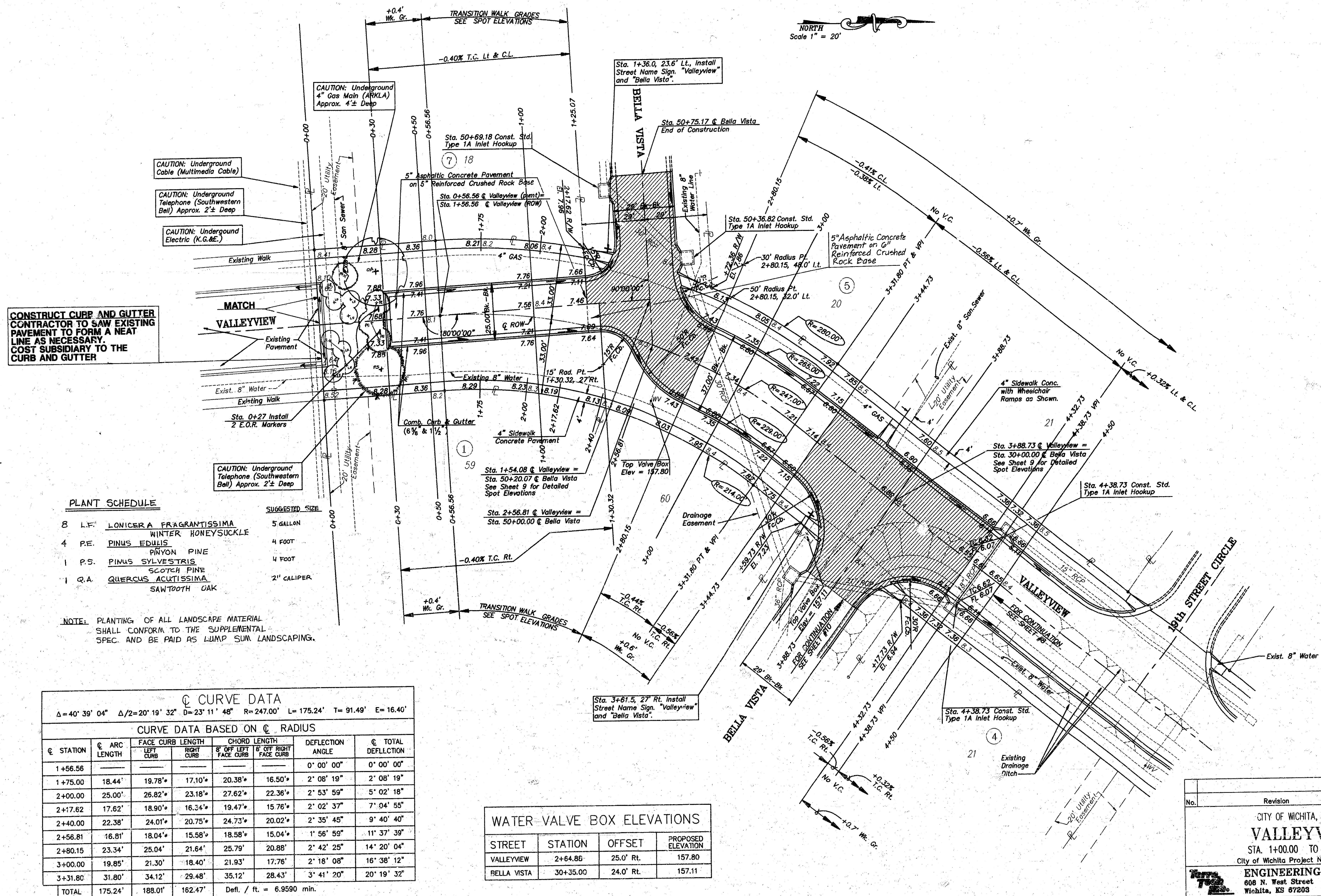
TOTAL
* FOR INFORMATION ONLY

GENERAL NOTES - SIGNING

NOTE: REFERENCES BELOW TO "STANDARD SPECIFICATIONS" DENOTE "STANDARD SPECIFICATION FOR STATE ROAD AND BRIDGE CONSTRUCTION, EDITION 1990" BY THE KANSAS DEPARTMENT OF TRANSPORTATION.

1. POST ANCHORS. POSTS SHALL BE ANCHORED WITH A WELDING BASE POST SUPPORT AS DETAILED.
2. POSTS FOR TRAFFIC CONTROL SIGNS. POSTS SHALL CONFORM TO THE REQUIREMENTS OF SUBSECTION 162 OF THE STANDARD SPECIFICATIONS EXCEPT THAT ALL POSTS SHALL WEIGH 3 LBS./FOOT MINIMUM.
3. POSTS FOR STREET NAME SIGNS (SNS). POSTS SHALL BE 9 FEET LONG, CONSTRUCTED FROM 2 3/8" O.D. GALVANIZED STEEL PIPE WEIGHING A MINIMUM OF 3.65 LBS./FOOT. POSTS SHALL BE POSITIONED SO THAT THE BOTTOM BLADE IS 7 FEET ABOVE GRADE.
4. SIGN BLANKS FOR TRAFFIC CONTROL SIGNS. SIGN BLANKS SHALL BE FABRICATED FROM 0.080" ALUMINUM ALLOY 6063 T6 CONFORMING TO THE REQUIREMENTS OF SUBSECTION 1626 OF THE STANDARD SPECIFICATIONS.
5. SIGN BLADES FOR STREET NAME SIGNS. EXTRUDED ALUMINUM BLADES SHALL BE ALUMINUM ALLOY CONFORMING TO 6063 T6 OR 5052 H38 (ASTM SPECIFICATION 8221, LATEST ISSUE). BLADES SHALL HAVE AN ALDINE OR PHOSPHATE ETCHED FINISH. BLADES SHALL HAVE SQUARE CORNERS AND NO HOLES.
- BLADES BEARING THE STREET NAMES SHALL BE FIRMLY ATTACHED TO THE MOUNTING BRACKETS USING ALLEN-TYPE SET SCREWS. THE BLADES SHALL BE ORIENTED PARALLEL TO THE STREET.
6. MOUNTING BRACKETS FOR SIGNS. DIE-CAST ALUMINUM BRACKETS SHALL BE ALUMINUM ALLOY 360 HAVING A TENSILE STRENGTH OF 44,000 PSI. THE BRACKETS SHALL BE SMOOTHLY FINISHED FREE OF PITS, BUBBS, AND FLAWS. EACH BRACKET SHALL BE TAPPED AND DRILLED FOR 5/16" ZINC-PLATED ALLEN-TYPE SET SCREWS HAVING SELF-LOCKING SAW-TOOTH ENDS.
7. FASTENERS. ALL STEEL FASTENERS FOR TRAFFIC CONTROL SIGNS SHALL BE GALVANIZED AND SHALL CONFORM TO THE REQUIREMENTS OF SUBSECTION 1514 OF THE STANDARD SPECIFICATIONS.
8. REFLECTIVE SHEETING. REFLECTIVE SHEETING SHALL BE TYPE II - HIGH PERFORMANCE CLASS HA IN ACCORDANCE WITH SUBSECTION 2201 OF THE STANDARD SPECIFICATIONS.
9. PROCESS INK. ALL PROCESS INK SHALL CONFORM TO THE REQUIREMENTS OF SUBSECTION 2202 OF THE STANDARD SPECIFICATIONS.
10. DETAILS. REGULATORY AND WARNING SIGNS SHALL CONFORM TO THE DETAILS IN "STANDARD HIGHWAY SIGNS", FHWA, 1979.
11. DETAILS - SNS. THE REFLECTIVE SHEETING FOR THE 6 3/4" STANDARD SIZE SNS IS TO BE THE HIGHWAY GREEN REVERSE SCREENED BACKGROUND WITH SILVER WHITE #2 COPY WITH 4" UPPER CASE AND 3" LOWER CASE PRIMARY COPY AND SUFFIX COPY, BOTH SERIES "C". WHERE SUFFIX LETTERS ARE USED ON NUMBERED STREETS AS RD, TH, ETC., THEY SHALL BE 1 1/2" LOWER CASE PRIMARY COPY "C" LETTERS. FACES TO TRIM TO A 8 1/4" (SEE DETAIL A).
- THE REFLECTIVE SHEETING FOR THE 9" METRO SIZE SNS IS TO BE THE HIGHWAY GREEN REVERSE SCREENED BACKGROUND WITH SILVER WHITE #2 COPY WITH 5" UPPER CASE AND 3 3/4" LOWER CASE PRIMARY COPY AND SUFFIX COPY, BOTH SERIES "C". WHERE SUFFIX LETTERS ARE USED ON NUMBERED STREETS, SUCH AS RD, TH, ETC., THEY SHALL BE 3" LOWER CASE SERIES "C". THE CARDINAL DIRECTION CENTERED DIRECTLY BEHIND THE BLOCK NUMBER SHALL BE AN UPPER CASE 3" SERIES "C" LETTER. FACES TO TRIM TO A 8 1/2" WIDTH. (SEE DETAIL B).
- FOR CURB-SIDE STREETS, A 9" METRO SIZE BLADE SHALL BE USED WITH THE HOUSE NUMBERS DISPLAYED BENEATH THE STREET NAME. LETTERING TO BE THE SAME AS FOR THE 6 3/4" SIZE BLADE. EXCEPT THAT THE HOUSE NUMBER INFORMATION SHALL BE 3" SERIES "C".
- SHOP DRAWINGS OF LAYOUT FOR SNS SHALL BE SUBMITTED TO THE TRAFFIC ENGINEERING DIVISION OF THE CITY OF WICHITA FOR APPROVAL PRIOR TO FABRICATION. THE FINISHED SIGNS AS SUPPLIED SHALL BE OF GOOD APPEARANCE, FREE FROM RAGGED EDGES, CRACKS, SCALES OR BUSTERS AND SHALL BE CLEAN CUT. SIGNS SHALL BE PACKED IN SUCH A MANNER AS TO PREVENT DAMAGE OR DEFACEMENT DURING SHIPMENT OR STORAGE.
12. NEW TRAFFIC CONTROL AND STREET NAME SIGNS. NEW TRAFFIC CONTROL AND STREET NAME SIGNS SHALL BE MEASURED AND PAID FOR AT THE LUMP SUM PRICE FOR SIGNING. THE PAYMENT AS SET FORTH ABOVE SHALL BE CONSIDERED FULL COMPENSATION FOR ALL EXCAVATION, BACKFILLING, POST ANCHORS, FASTENERS, MATERIALS, LABOR, TOOLS AND INCIDENTALS NECESSARY TO COMPLETE THIS WORK.

PROJECT DESCRIPTION	
SIGNING DETAILS	
PROJECT NUMBER 472-82282	
SCALE: NONE	DATE: JUNE '9
DRAWN BY:	REVISED
CITY OF WICHITA	
DEPARTMENT OF PUBLIC WORKS	
TRAFFIC ENGINEERING SECTION	SH 6 OF 15



CONSTRUCT CURB AND GUTTER CONTRACTOR TO SAW EXISTING PAVEMENT TO FORM A NEAT LINE AS NECESSARY. COST SUBSIDIARY TO THE CURB AND GUTTER

PLANT SCHEDULE

		SUGGESTED SIZE
8 L.F.	LONICERA FRAGRANTISSIMA	5 GALLON
	WINTER HONEYSUCKLE	
4 P.E.	PINUS EDULIS	4 FOOT
	PINYON PINE	
1 P.S.	PINUS SYLVESTRIS	4 FOOT
	SCOTCH PINE	
1 Q.A.	QUERCUS ACUTISSIMA	2" CALIPER
	SAWTOOTH OAK	

NOTE: PLANTING OF ALL LANDSCAPE MATERIAL SHALL CONFORM TO THE SUPPLEMENTAL SPEC. AND BE PAID AS LUMP SUM LANDSCAPING.

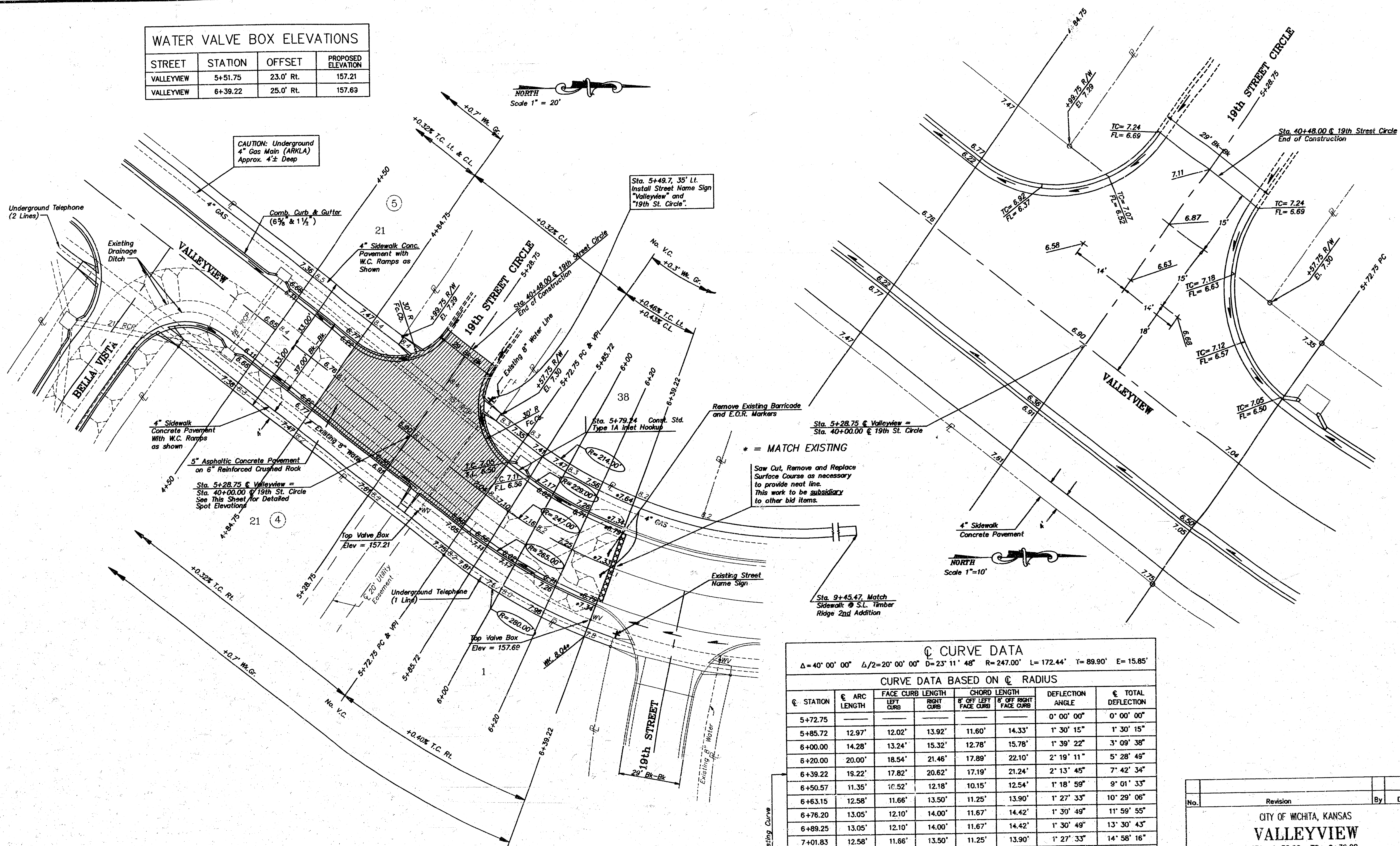
C CURVE DATA							
Δ = 40° 39' 04" Δ/2 = 20° 19' 32" D = 23' 11' 48" R = 247.00' L = 175.24' T = 91.49' E = 16.40'							
CURVE DATA BASED ON C RADIUS							
C STATION	C ARC LENGTH	FACE CURB LENGTH	CHORD LENGTH	DEFLECTION ANGLE	C TOTAL DEFLECTION		
1+56.56	18.44'	19.78'	20.38'	0° 00' 00"	0° 00' 00"		
1+75.00	25.00'	26.82'	27.62'	2° 08' 19"	2° 08' 19"		
2+00.00	17.62'	18.90'	19.47'	2° 02' 37"	7° 04' 58"		
2+17.62	22.38'	24.01'	24.73'	2° 35' 45"	9° 40' 40"		
2+40.00	16.81'	18.04'	18.58'	1° 56' 59"	11° 37' 39"		
2+56.81	23.34'	25.04'	25.79'	2° 42' 25"	14° 20' 04"		
2+80.15	19.85'	21.30'	21.93'	2° 18' 08"	16° 38' 12"		
3+00.00	31.80'	34.12'	35.12'	3° 41' 20"	20° 19' 32"		
TOTAL	175.24'	188.01'	182.47'	Defl. / ft. = 6.9590 min.			

* Information shown is for sidewalk location & grading purposes only.

WATER VALVE BOX ELEVATIONS			
STREET	STATION	OFFSET	PROPOSED ELEVATION
VALLEYVIEW	2+64.80	25.0' Rt.	157.80
BELLA VISTA	30+35.00	24.0' Rt.	157.11

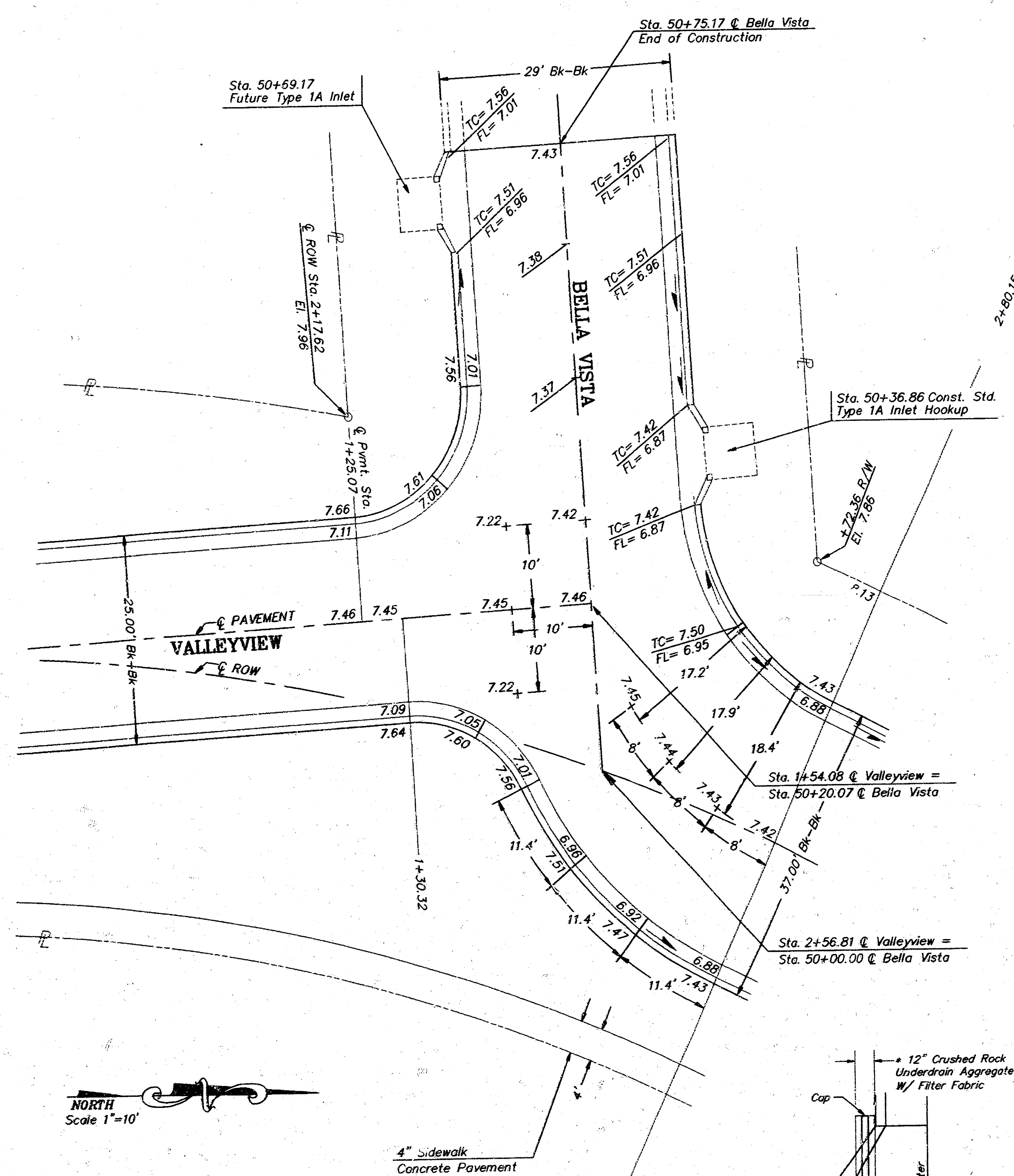
No.	Revision	By	Date
CITY OF WICHITA, KANSAS			
VALLEYVIEW			
STA. 1+00.00 TO 4+50.00			
City of Wichita Project No. 472-92282			
ENGINEERING		SURVEYING	
608 N. West Street		Suite #292	
Wichita, KS 67203		(316) 945-0370	
Designed by RBF	Job No. 90-314		
Drawn by DRS	Date April 3, 1993	Shi. 7 of 15	

WATER VALVE BOX ELEVATIONS			
STREET	STATION	OFFSET	PROPOSED ELEVATION
VALLEYVIEW	5+51.75	23.0' Rt.	157.21
VALLEYVIEW	6+39.22	25.0' Rt.	157.63

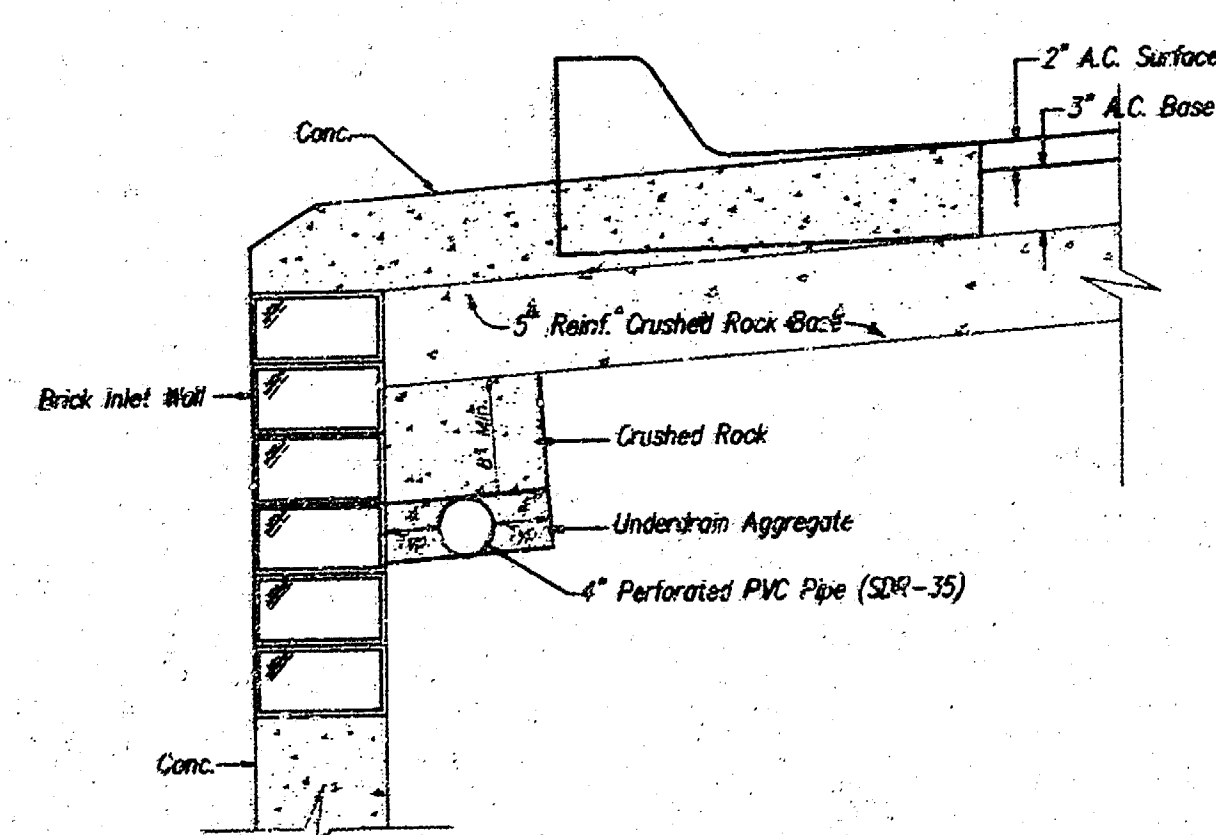


C CURVE DATA									
$\Delta = 40^{\circ} 00' 00''$ $L/2 = 20^{\circ} 00' 00''$ $D = 23^{\circ} 11' 48''$ $R = 247.00'$ $L = 172.44'$ $T = 89.90'$ $E = 15.85'$									
CURVE DATA BASED ON C RADIUS									
C STATION	C ARC LENGTH	FACE CURB LENGTH		CHORD LENGTH		DEFLECTION ANGLE		TOTAL DEFLECTION	
		LEFT CURB	RIGHT CURB	6" OFF LEFT FACE CURB	6" OFF RIGHT FACE CURB				
5+72.75						0° 00' 00"		0° 00' 00"	
5+85.72	12.97'	12.02'	13.92'	11.60'	14.33'	1° 30' 15"		1° 30' 15"	
6+00.00	14.28'	13.24'	15.32'	12.78'	15.78'	1° 39' 22"		3° 09' 38"	
6+20.00	20.00'	18.54'	21.46'	17.89'	22.10'	2° 19' 11"		5° 28' 49"	
6+39.22	19.22'	17.82'	20.62'	17.19'	21.24'	2° 13' 45"		7° 42' 34"	
6+50.57	11.35'	10.52'	12.18'	10.15'	12.54'	1° 18' 59"		9° 01' 33"	
6+63.15	12.58'	11.66'	13.50'	11.25'	13.90'	1° 27' 33"		10° 29' 06"	
6+76.20	13.05'	12.10'	14.00'	11.67'	14.42'	1° 30' 49"		11° 59' 55"	
6+89.25	13.05'	12.10'	14.00'	11.67'	14.42'	1° 30' 49"		13° 30' 43"	
7+01.83	12.58'	11.66'	13.50'	11.25'	13.90'	1° 27' 33"		14° 58' 16"	
7+13.18	11.35'	10.52'	12.18'	10.15'	12.54'	1° 18' 59"		16° 17' 15"	
7+30.00	16.82'	15.59'	18.05'	15.05'	18.59'	1° 57' 03"		18° 14' 18"	
7+45.19	15.19'	14.08'	16.30'	13.56'	16.79'	1° 45' 42"		20° 00' 00"	
TOTAL	172.44'	159.87'	185.01'			Defl. / ft. = 6.9590 inin.			

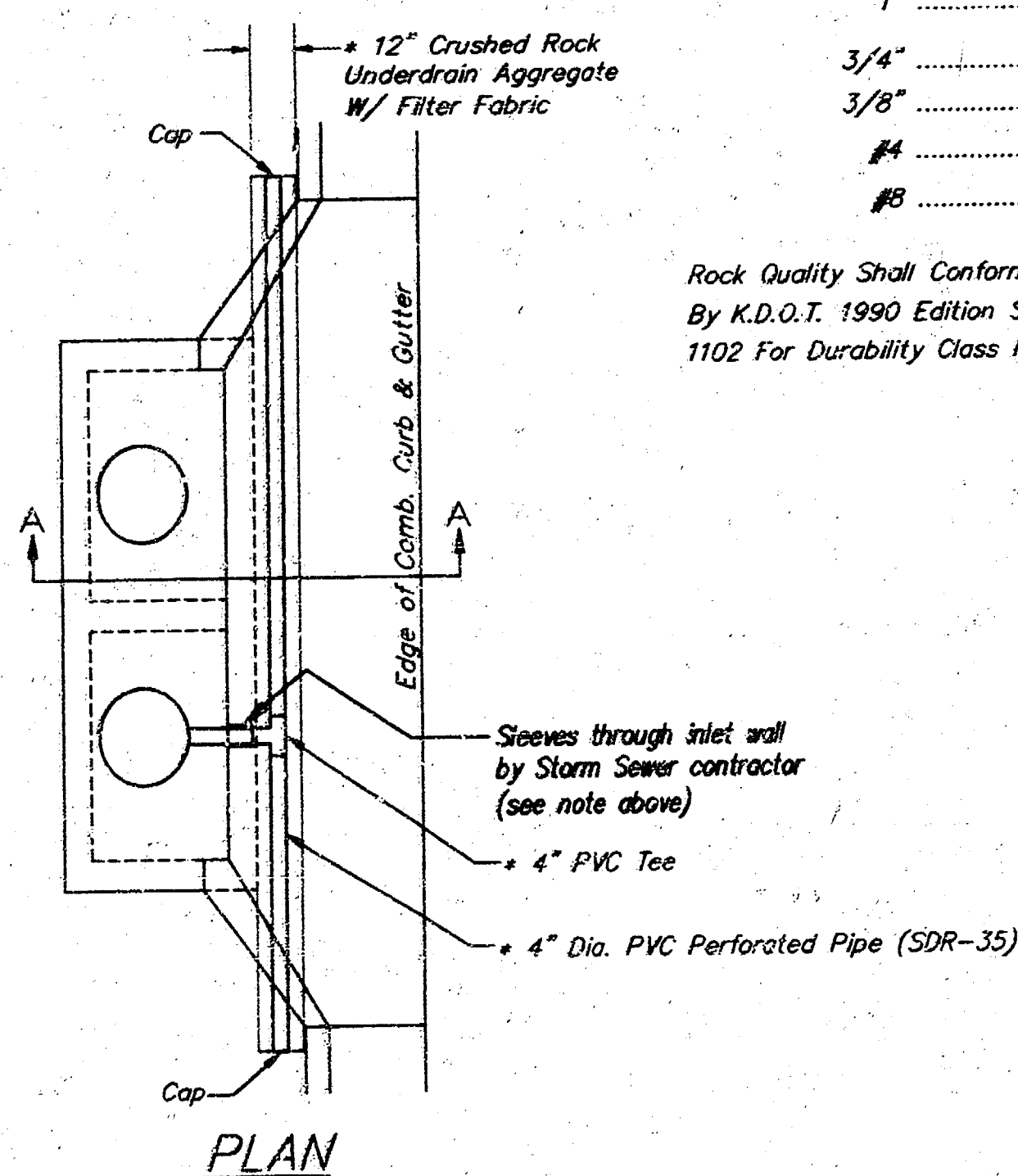
No.	Revision	By	Date
CITY OF WICHITA, KANSAS VALLEYVIEW STA. 4+50.00 TO 6+39.22 City of Wichita Project No. 472-82282 ENGINEERING & SURVEYING 609 N. West Street Suite #282 Wichita, KS 67203 (316) 946-0370			
Designed by RCF	Job No. 90-314		
Drawn by DKS	Date April 3, 1993	Sht. 8 of 15	



NORTH
Scale 1"=10'



TRENCH DRAIN DETAIL FOR RES. STREETS
NOT TO SCALE



PLAN

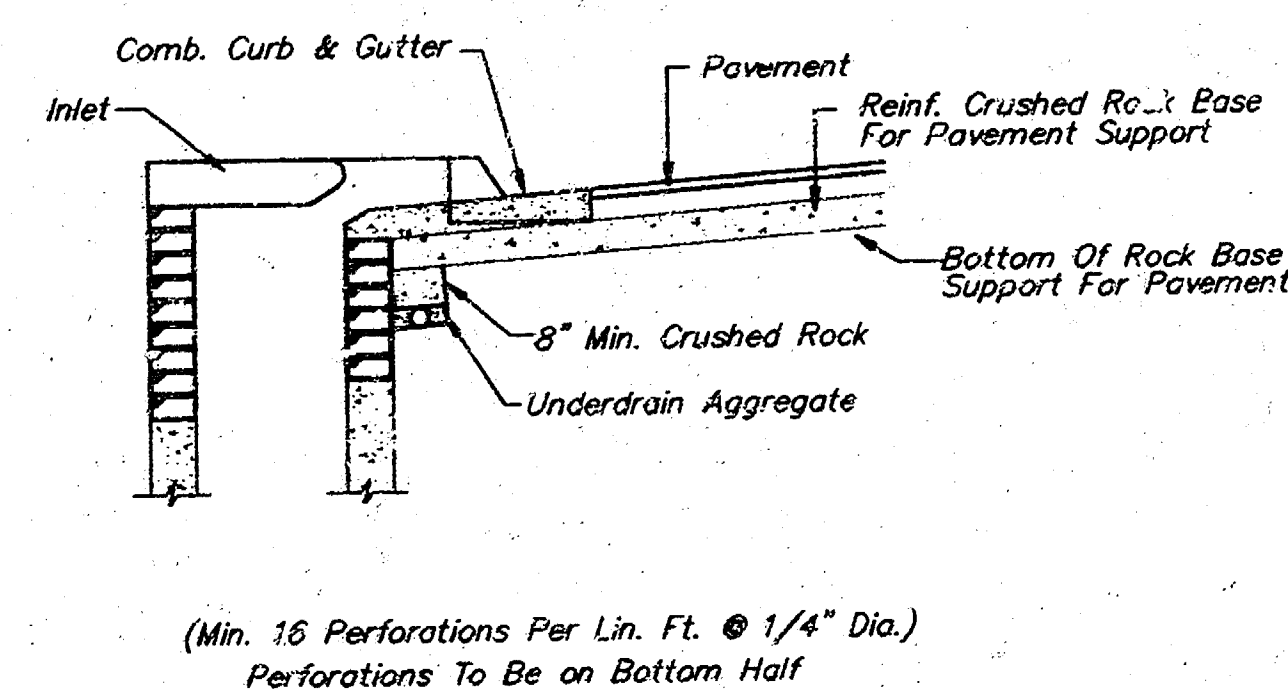
PAVEMENT UNDERDRAIN DETAIL
NOT TO SCALE

* UNDERDRAIN AGGREGATE
Percent of Aggregate Retained

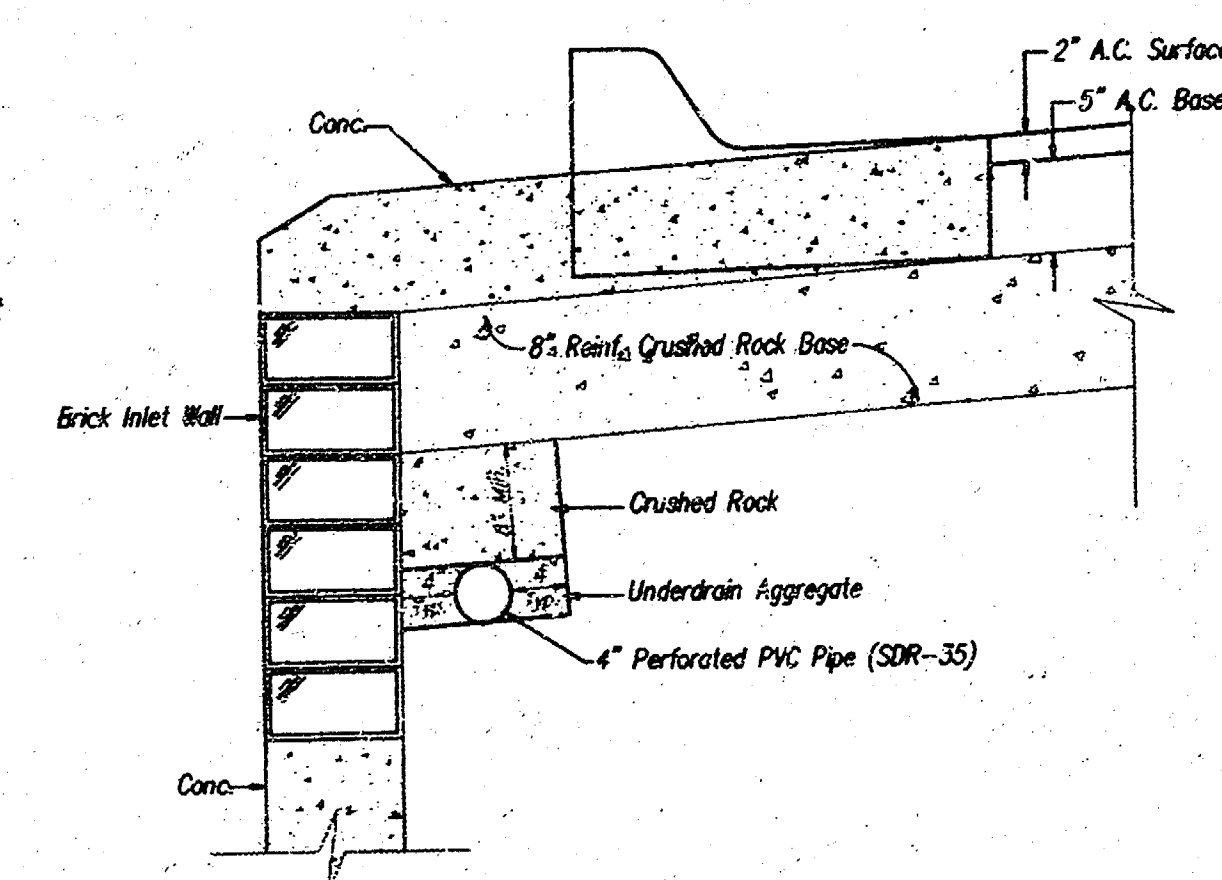
1"	0
3/4"	0 to 10
3/8"	45 to 80
#4	90 to 100
#8	95 to 100

Rock Quality Shall Conform To The Requirements Specified
By K.D.O.T. 1990 Edition Standard Specification Subsection
1102 For Durability Class I.

NOTES: The 4" PVC Perforated Pipe shall be installed
by the paving contractor at all sump locations.
The Storm Sewer contractor shall install
sleeves through inlet wall.
Cost of Underdrain System to be incidental
to the Reinforced Crushed Rock Subgrade.
Inlet Type May Vary From That Shown.



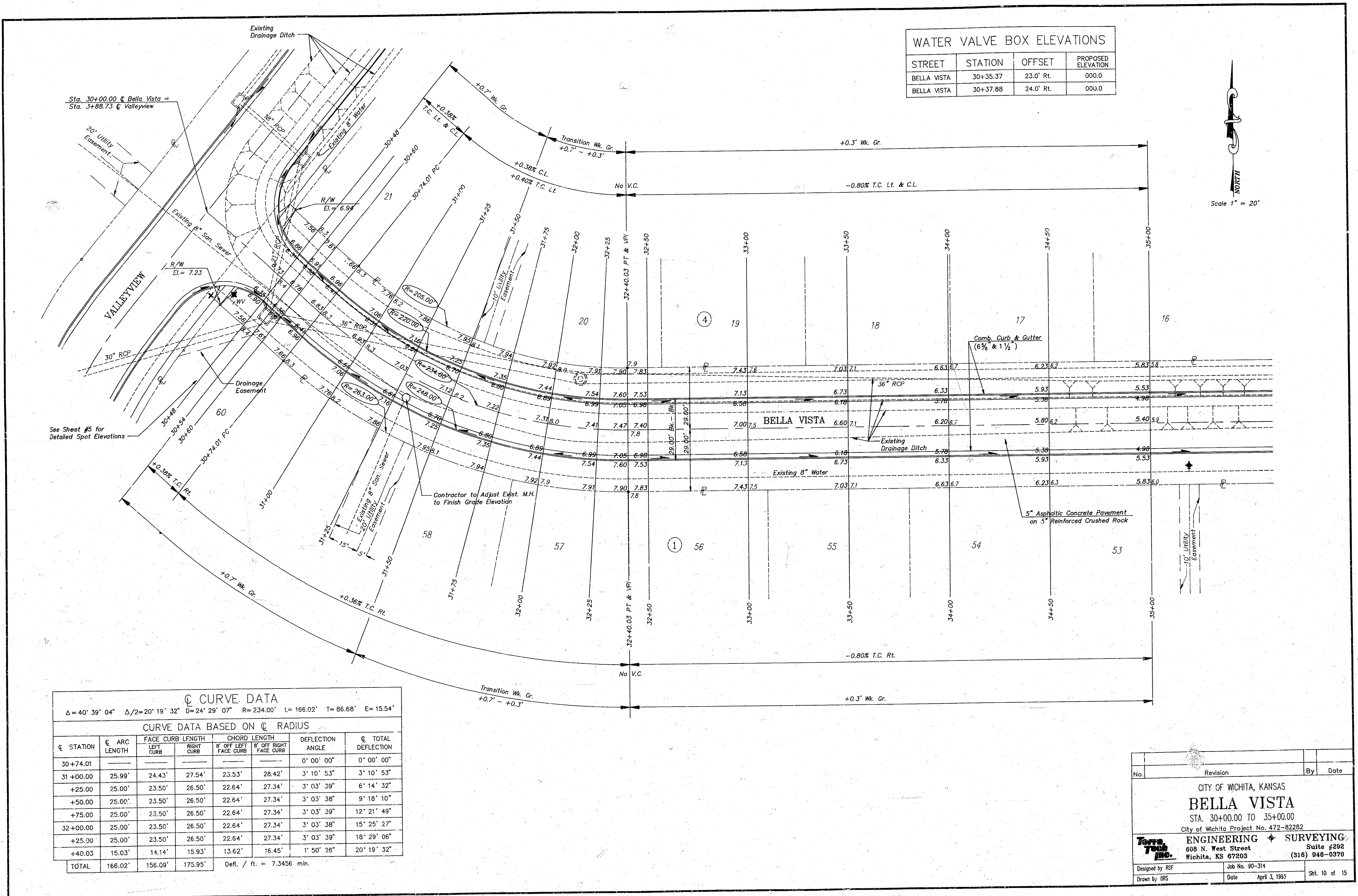
SECTION A-A



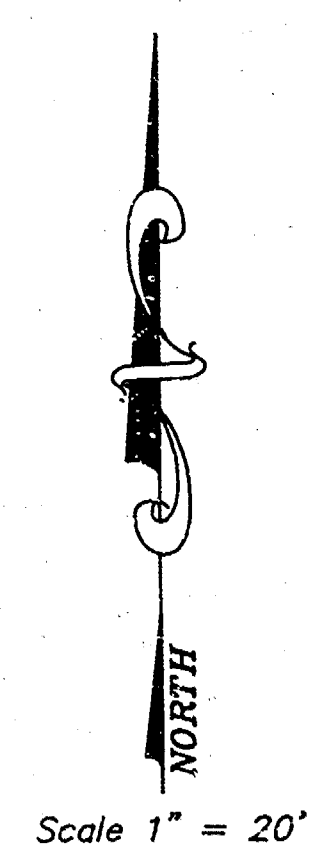
TRENCH DRAIN DETAIL FOR ARTERIAL STREETS
NOT TO SCALE

NORTH
Scale 1"=10'

No.	Revision	By	Date
CITY OF WICHITA, KANSAS			
INTERSECTION DETAILS			
VALLEYVIEW STA. 2+56.81 & 3+88.73			
City of Wichita Project No. 472-82282			
ENGINEERING		SURVEYING	
608 N. West Street		Suite #292	
Wichita, KS 67203		(316) 946-0370	
Designed by ROF	Job No. 90-314	Sht. 9 of 15	
Drawn by ROF	Date April 3, 1993		



WATER VALVE BOX ELEVATIONS			
STREET	STATION	OFFSET	PROPOSED ELEVATION
BELLA VISTA	30+35.37	23.0' Rt.	000.0
BELLA VISTA	30+37.88	24.0' Rt.	000.0

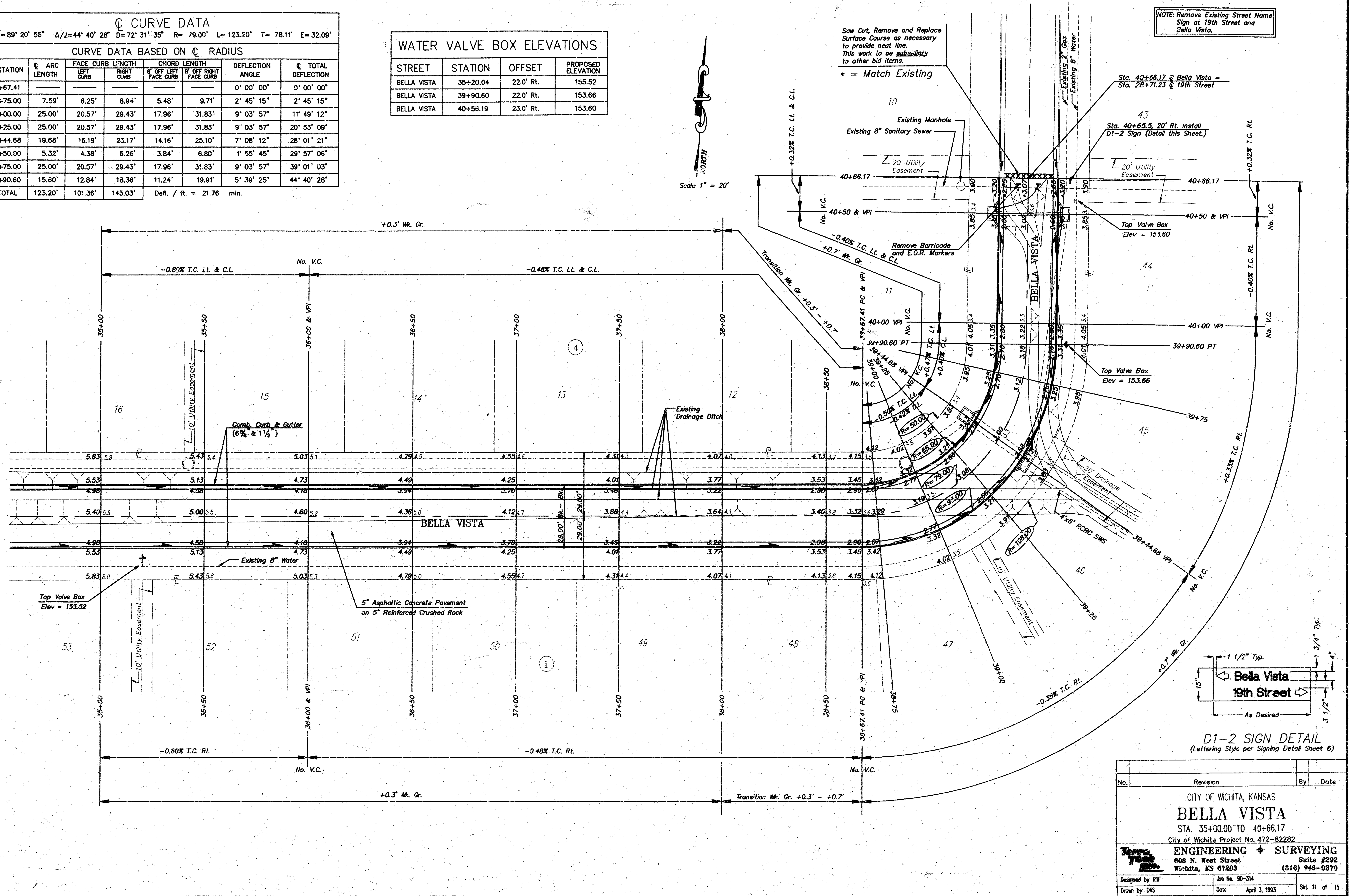


C CURVE DATA							
$\Delta = 40^\circ 39' 04''$ $\Delta/2 = 20^\circ 19' 32''$ $D = 24' 29' 07''$ $R = 234.00'$ $L = 166.02'$ $T = 86.68'$ $E = 15.54'$							
CURVE DATA BASED ON C RADIUS							
C STATION	C ARC LENGTH	FACE CURB LENGTH		CHORD LENGTH		DEFLECTION ANGLE	C TOTAL DEFLECTION
		LEFT CURB	RIGHT CURB	8' OFF LEFT FACE CURB	8' OFF RIGHT FACE CURB		
30+74.01						0° 00' 00"	0° 00' 00"
31+00.00	25.99'	24.43'	27.54'	23.53'	28.42'	3° 10' 53"	3° 10' 53"
+25.00	25.00'	23.50'	26.50'	22.64'	27.34'	3° 03' 39"	6° 14' 32"
+50.00	25.00'	23.50'	26.50'	22.64'	27.34'	3° 03' 38"	9° 18' 10"
+75.00	25.00'	23.50'	26.50'	22.64'	27.34'	3° 03' 39"	12° 21' 49"
32+00.00	25.00'	23.50'	26.50'	22.64'	27.34'	3° 03' 38"	15° 25' 27"
+25.00	25.00'	23.50'	26.50'	22.64'	27.34'	3° 03' 39"	18° 29' 06"
+40.03	15.03'	14.14'	15.93'	13.62'	16.45'	1° 50' 26"	20° 19' 32"
TOTAL	166.02'	156.09'	175.95'				
Defl. / ft. = 7.3456 min.							

No.	Revision	By	Date
CITY OF WICHITA, KANSAS BELLA VISTA STA. 30+00.00 TO 35+00.00 City of Wichita Project No. 472-82282			
Terra Tech Inc. ENGINEERING		SURVEYING	
608 N. West Street Wichita, KS 67203		Suite #292 (316) 946-0370	
Designed by RBF	Job No. 90-314	Sht. 10 of 15	
Drawn by ORS	Date April 3, 1993		

C CURVE DATA							
$\Delta = 89^\circ 20' 56''$ $\Delta/2 = 44^\circ 40' 28''$ $D = 72^\circ 31' 35''$ $R = 79.00'$ $L = 123.20'$ $T = 78.11'$ $E = 32.09'$							
CURVE DATA BASED ON C RADIUS							
C STATION	C ARC LENGTH	FACE CURB LENGTH LEFT CURB	FACE CURB LENGTH RIGHT CURB	CHORD LENGTH	DEFLECTION ANGLE	C TOTAL DEFLECTION	
38+67.41					0° 00' 00"	0° 00' 00"	
38+75.00	7.59'	6.25'	8.94'	5.48'	9.71'	2° 45' 15"	2° 45' 15"
39+00.00	25.00'	20.57'	29.43'	17.96'	31.83'	9° 03' 57"	11° 49' 12"
39+25.00	25.00'	20.57'	29.43'	17.96'	31.83'	9° 03' 57"	20° 53' 09"
39+44.68	19.68'	16.19'	23.17'	14.16'	25.10'	7° 08' 12"	28° 01' 21"
39+50.00	5.32'	4.38'	6.26'	3.84'	6.80'	1° 55' 45"	29° 57' 06"
39+75.00	25.00'	20.57'	29.43'	17.96'	31.83'	9° 03' 57"	39° 01' 03"
39+90.60	15.60'	12.84'	18.36'	11.24'	19.91'	5° 39' 25"	44° 40' 28"
TOTAL	123.20'	101.36'	145.03'				Defl. / ft. = 21.76 min.

WATER VALVE BOX ELEVATIONS			
STREET	STATION	OFFSET	PROPOSED ELEVATION
BELLA VISTA	35+20.04	22.0' Rt.	155.52
BELLA VISTA	39+90.60	22.0' Rt.	153.66
BELLA VISTA	40+56.19	23.0' Rt.	153.60



No.	Revision	By	Date

CITY OF WICHITA, KANSAS	
BELLA VISTA	
STA. 35+00.00 TO 40+66.17	
City of Wichita Project No. 472-82282	
ENGINEERING	SURVEYING
608 N. West Street	Suite #202
Wichita, KS 67203	(316) 946-0870

Designed by: RIF	Job No. 90-314
Drawn by: DRS	Date: April 3, 1993

Shl. 11 of 15

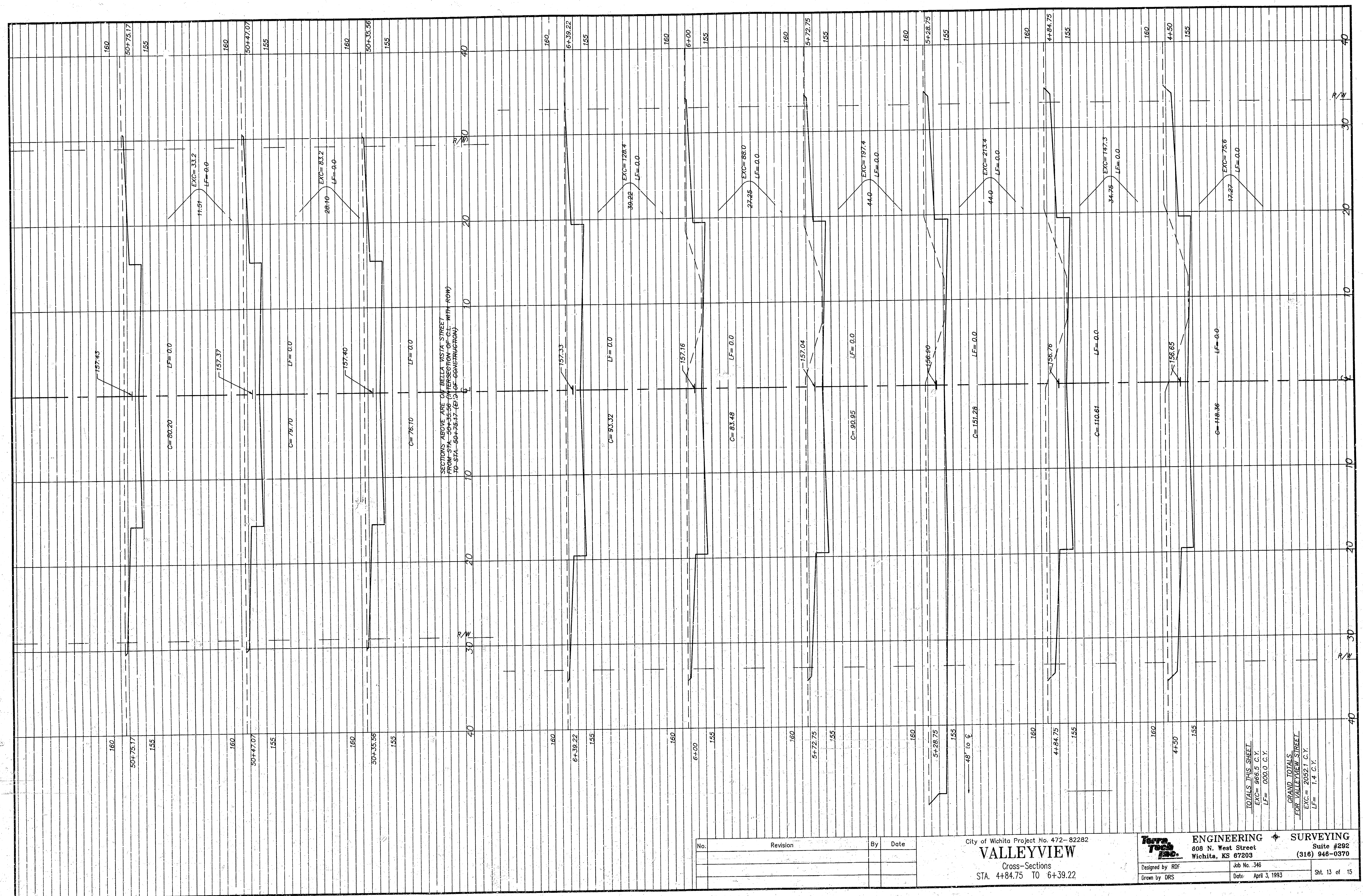


No.	Revision	By	Date

City of Wichita Project No. 472-82282
VALLEYVIEW
Cross-Sections
STA. 1+00.00 TO 4+50.00

ENGINEERING ♦ **SURVEYING**
608 N. West Street
Wichita, KS 67203
Suite #292
(316) 946-0370
Designed by RUF
Drawn by DRS
Job No. 346
Date April 3, 1993
Sht. 12 of 15

TOTALS THIS SHEET
EXC= 1085.6 C.Y.
LF= 1.4 C.Y.



City of Wichita Project No. 472-82282
VALLEYVIEW
Cross-Sections
STA. 4+84.75 TO 6+39.22

**Terra
Tech
INC**

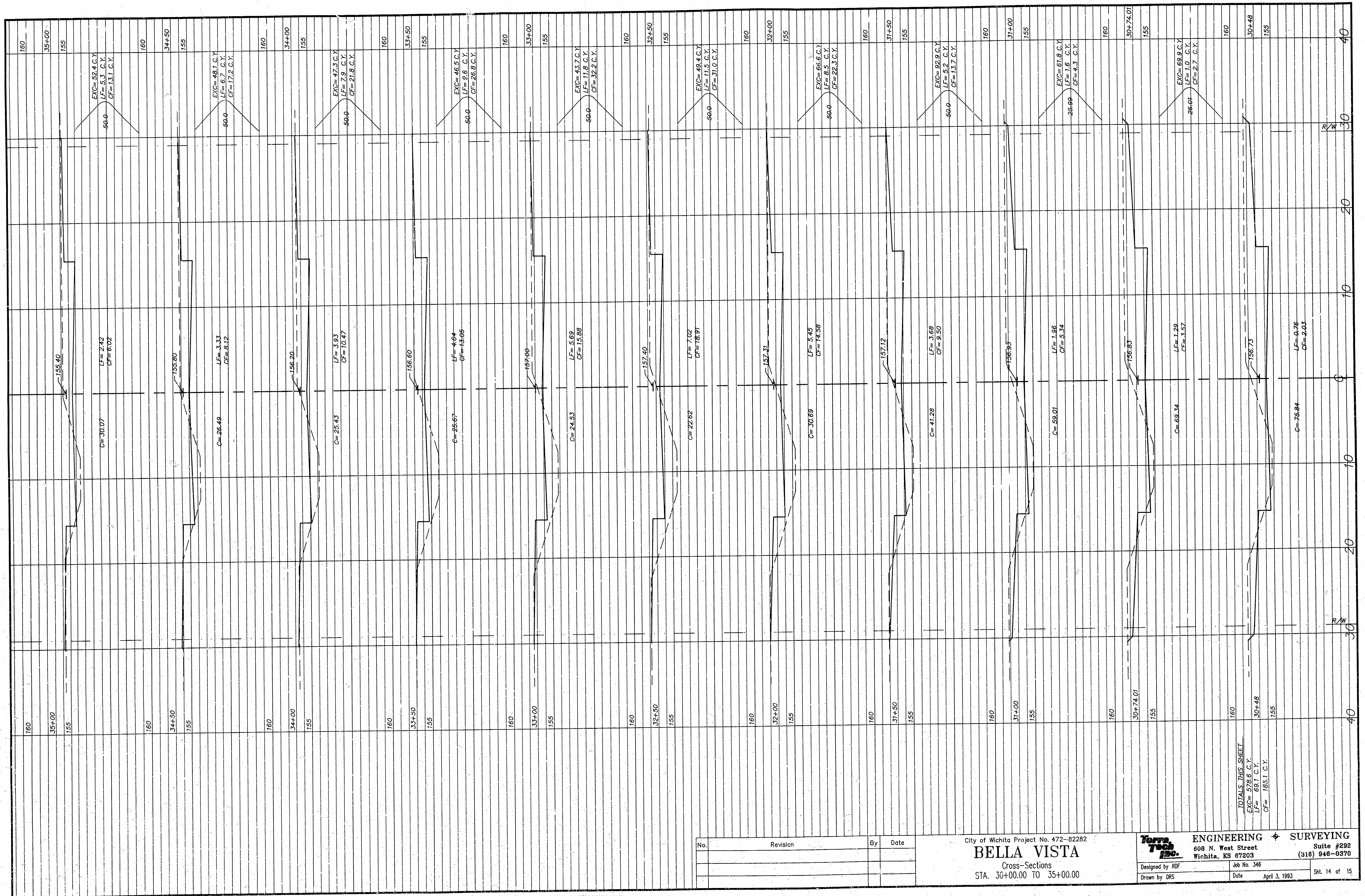
ENGINEERING
808 N. West Street
Wichita, KS 67203

SURVEYING
Suite #292
(316) 946-0370

Designed by	RDF
Drawn by	DRS

Job No.	346
Date	April 3, 1993

Sht. 13 of 15



No.	Revision	By	Date

City of Wichita Project No. 472-82282

BELLA VISTA

Cross-Sections
STA. 30+00.00 TO 35+00.00



ENGINEERING & SURVEYING

608 N. West Street
Wichita, KS 67203

Designed by RDP
Drawn by DRS

Job No. 346
Date April 3, 1993

Sht. 14 of 15



No.	Revision	By	Date

City of Wichita Project No. 472-76-245-00000-000-000-001
BELLA VISTA
Cross-Sections
STA. 35+50.00 TO 40+66.17

ENGINEERING
608 N. West Street
Wichita, KS 67208
Designed by RDR
Drawn by DRS

SURVEYING
Suite #522
(316) 946-0370
Job No. 246
Date April 3, 1993

Sht. 15 of 15

TOTALS THIS SHEET
EXC= 681.3 C.Y.
LF= 76.5 C.Y.
CF= 41.3 C.Y.

GRAND TOTALS
EXC= 1259.9 C.Y.
LF= 145.6 C.Y.
CF= 226.4 C.Y.