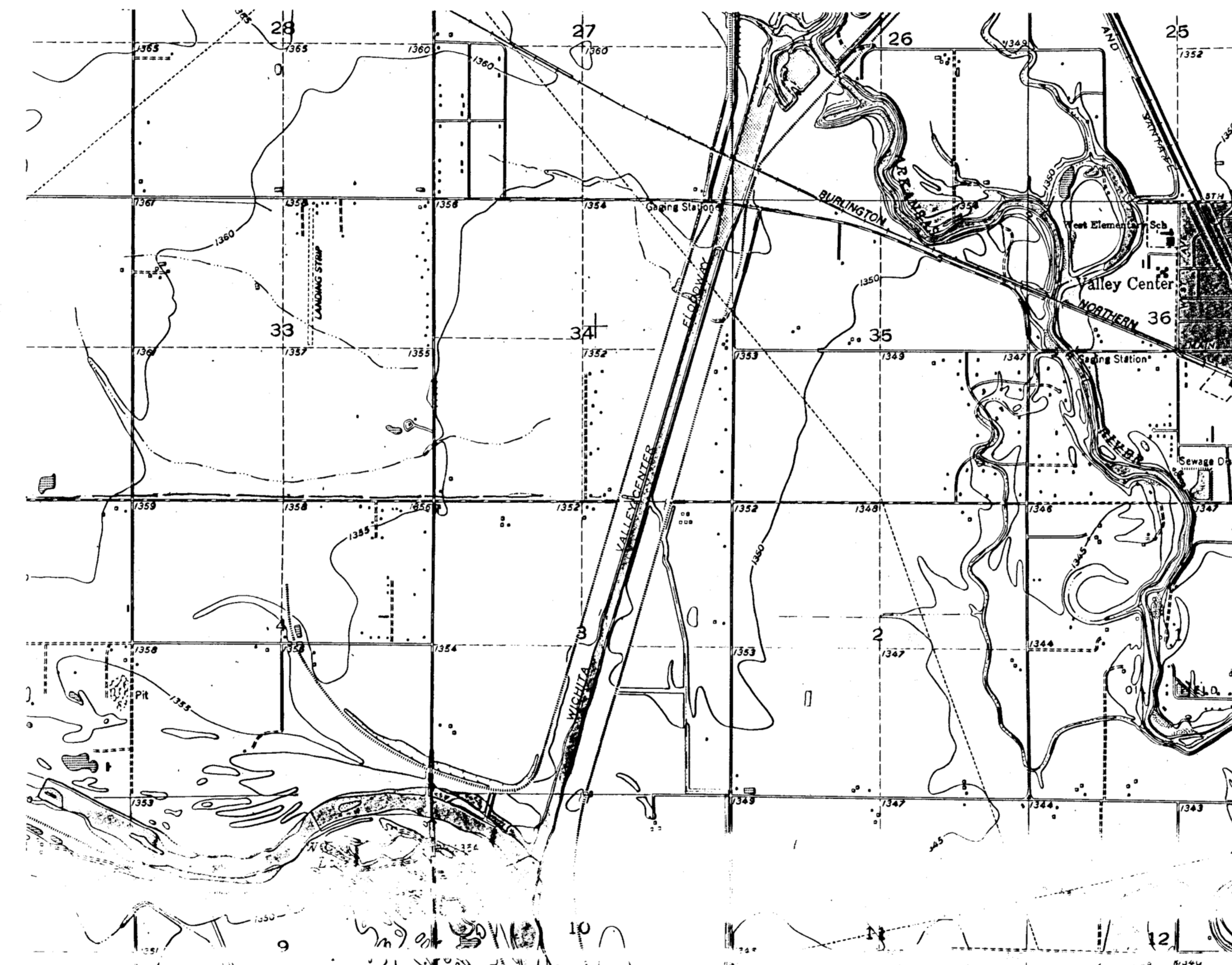


City of Wichita

Sedgwick County, Kansas

Wichita-Valley Center Floodway Channel Improvements

City Engineer: Mr. Mike Lindebak, P.E.



Vicinity Map
(1"=2000')

INDEX OF SHEETS:

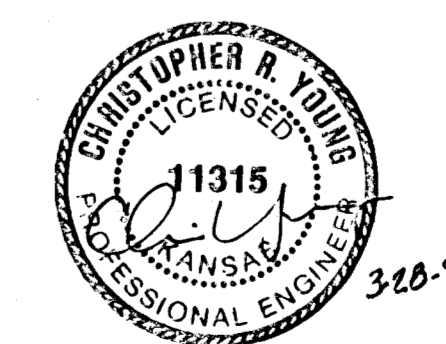
Title Sheet	1
Key Map and General Notes	2
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Grading Plan (Sta. 69+15 to Sta. 85+40)	4
Grading Plan (Sta. 85+40 to Sta. 101+00)	5
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Cross Sections (Sta. 71+30 to Sta. 82+95)	9
Cross Sections (Sta. 85+40 to Sta. 88+50)	10
Cross Sections (Sta. 91+50 to Sta. 100+70)	11
Cross Sections (Sta. 102+00 to Sta. 106+40)	12

COW Project No.: 468 82503
Index Code: 791335

March, 1996

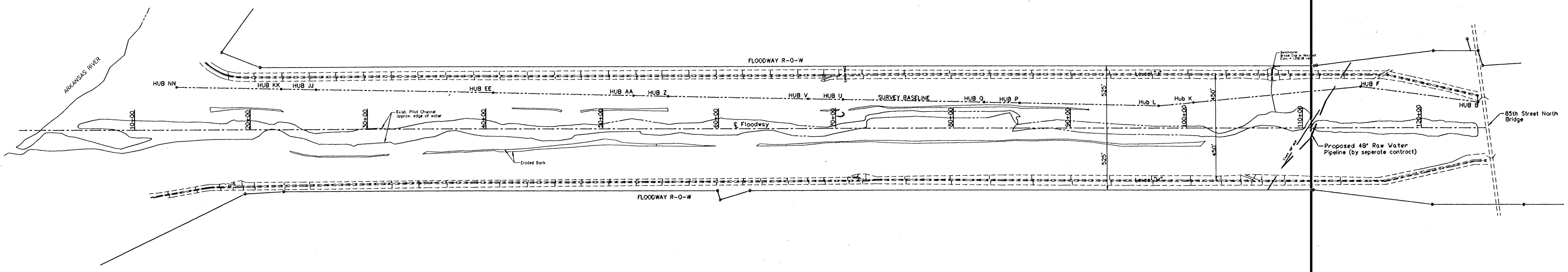
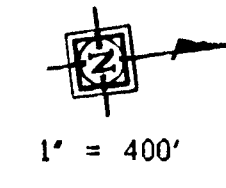


Young & Associates, P.A.
Civil and Environmental Engineers
100 South Georgie • Derby, Kansas • 67037



GENERAL NOTES

1. ALL ELEVATIONS SHOWN ARE USGS DATUM.
2. AT LEAST 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION (EXCLUDING WEEKENDS AND HOLIDAYS), THE CONTRACTOR SHALL CONTACT THE KANSAS ONE-CALL SYSTEM, A UTILITY LOCATION SERVICE, AT (316) 687-2470 TO REQUEST THE LOCAL UTILITY COMPANIES TO LOCATE ANY EXISTING LINES WITHIN THE PROJECT AREA.
3. THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:
CITY OF WICHITA CENTRAL MAINTENANCE FACILITY 268-4090
4. POSITIVE DRAINAGE SHALL BE PROVIDED FOR ALL AREAS ON OR NEAR SPOIL AREAS. NATURAL DRAINAGE WAYS SHALL BE MAINTAINED.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING EXISTING PROPERTY IRONS AND RIGHT-OF-WAY MONUMENTS. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS OR RIGHT-OF-WAY MONUMENTS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS OR MONUMENTS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.
6. ANY STONE OR CONCRET CONSTRUCTION RUBBLE USED IN THIS PROJECT SHALL BE FREE OF PROTRUDING STEEL AND WIRE REINFORCEMENT, PAPER, WOOD, PLASTIC, OR ASPHALT MATERIALS.
7. SHOULD A SPILL OF GASOLINE OR DISCHARGE OF POLLUTANTS OCCUR, THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT SHALL BE NOTIFIED IMMEDIATELY (913-296-1500).
8. ALL WORK PERFORMED INSIDE THE WICHITA-VALLEY CENTER FLOODWAY IS SUBJECT TO THE PROVISIONS OF THE US CORPS OF ENGINEERS PERMITTING REGULATIONS.
9. THE CONTRACTOR SHALL NOT START WORK ON THE PROJECT UNTIL THE PROJECT INSPECTOR IS ASSIGNED TO THE PROJECT AND IS PRESENT ON THE SITE.
10. THE ACCOMPANYING GRADING PLAN SHEETS AND CROSS SECTIONS ARE PROVIDED FOR INFORMATION ONLY. REFER TO THE CONTRACT DOCUMENTS/SPECIFICATIONS FOR CHANNEL IMPROVEMENT CONSTRUCTION REQUIREMENTS.



BASELINE, HORIZONTAL CONTROL:

HUB B = N. 11,132.7248	E. 10,100.3889	HUB V = N. 5,445.3673	E. 9,537.3356
HUB F = N. 10,164.8830	E. 9,876.9450	HUB Z = N. 4,253.0809	E. 9,401.4920
HUB K = N. 8,726.0830	E. 9,876.9450	HUB AA = N. 3,955.0093	E. 9,367.5311
HUB L = N. 8,426.0830	E. 9,876.9450	HUB EE = N. 2,762.7229	E. 9,231.6875
HUB P = N. 7,233.7968	E. 9,741.1011	HUB JJ = N. 1,272.3649	E. 9,061.8830
HUB Q = N. 6,935.7252	E. 9,707.1402	HUB KK = N. 974.2933	E. 9,027.9221
HUB U = N. 5,743.4389	E. 9,571.2965	HUB NN = N. 80.0785	E. 8,926.0394

BENCHMARK:

USGS BRASS CAP, NORTH CORNER HEADWALL WEST SIDE LEVEE "J". ELEV. = 1352.30 MSL

CENTERLINE FLOODWAY, HORIZONTAL CONTROL:

STA. 25+00 = N. 1,178.4351	E. 9,391.7378
STA. 50+00 = N. 3,667.7065	E. 9,623.0987
STA. 75+00 = N. 6,156.9779	E. 9,854.4596
STA. 100+00 = N. 8,646.2493	E. 10,085.8206

Revisions:

City of Wichita
Sedgewick County, Kansas
KEY MAP
AND
GENERAL NOTES
Floodway Improvements
Wichita-Valley Center Floodway

Young & Associates, P.A.
Civil and Environmental Engineers
101 West 10th Street, Suite 1000
Wichita, Kansas 67202

Design By: CRY Drawn By: RTC Scale: 1" = 400'
Proj. No. 795-011-002 March, 1996 Sheet No. 2 of 12

FILE: 01/15/96 PLOT: 3-28-96 ACAD: R12(14)

FLOODWAY R-0-W

LEVEE - 2'

55+31

55+60

56+60

58+45

60+45

62+00

64+60

§ Floodway Sta. 55+00
Begin Bank Stabilization.
Work shall progress north to
limits as provided by funding.

SURVEY BASELINE

Hub V

Approx. limits of eroded channel bank

Fl. Headwall Structure=440

Sta. 69+15 Match Line

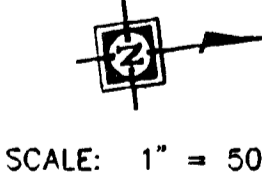
Approx. limits of eroded channel bank

Approx. limits of eroded channel bank

See cross sections, for information only, including proposed typical sections.

Existing Water Surface

§ FLOODWAY



SCALE: 1" = 50'

LEVEE - 1'

FLOODWAY R-0-W

FLOODWAY R-0-W

Revisions:

City of Wichita
Sedgwick County, Kansas

GRADING PLAN
(§ Channel Sta. 55+31 to Sta. 69+15)

Floodway Improvements
Wichita-Volley Center Floodway

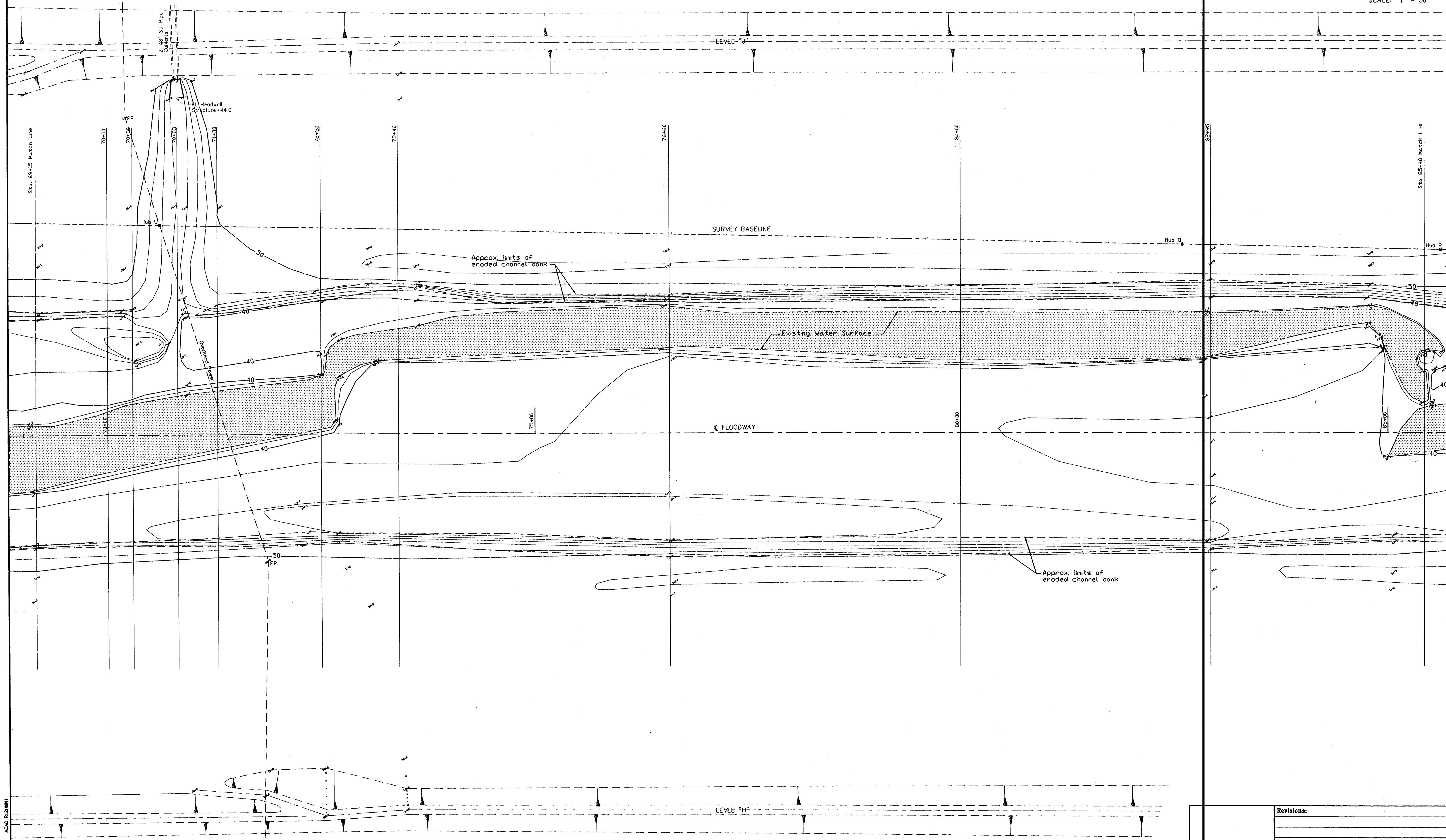
Design By: CRY Drawn By: JNJ, MTC Scale: 1" = 50'
Proj. No. 795-011-002 March, 1998 Sheet No. 3 of 12

Young & Associates, P.A.
Civil and Environmental Engineers
200 N. George Ave., Suite 1000, Wichita, KS 67202

P.L.E. 01/28/98 PLOT 1-25-98 10:00 AM (12/28/98)

FLOODWAY R-0-W

SCALE: 1" = 50'



FLOODWAY R-0-W

FILE: 011517.DWG PLOT: 3-28-96 ACAD R12(AM)

Revisions:			
City of Wichita Sedgwick County, Kansas			
GRADING PLAN			
(Channel Sta. 69+15 to Sta. 85+40)			
Floodway Improvements Wichita-Valley Center Floodway			
Design By: CRY	Drawn By: JNARTC	Scale: 1" = 50'	
Proj. No. 798-011-002		March, 1996	Sheet No. 4 of 12

Young & Associates, P.A.
 Civil and Environmental Engineers
 1300 North 10th Street, Suite 100
 Wichita, Kansas 67202

FLOODWAY R-O-W

SCALE: 1" = 50'

LEVEE "J"

SURVEY BASELINE

FLOODWAY

Existing Water Surface

LEVEE "H"

FLOODWAY R-O-W

Sta. 85+00 Match Line

85+80

86+20

91+00

94+20

97+20

98+20

Sta. 101+00 Match Line

Hub P

Hub L

Hub K

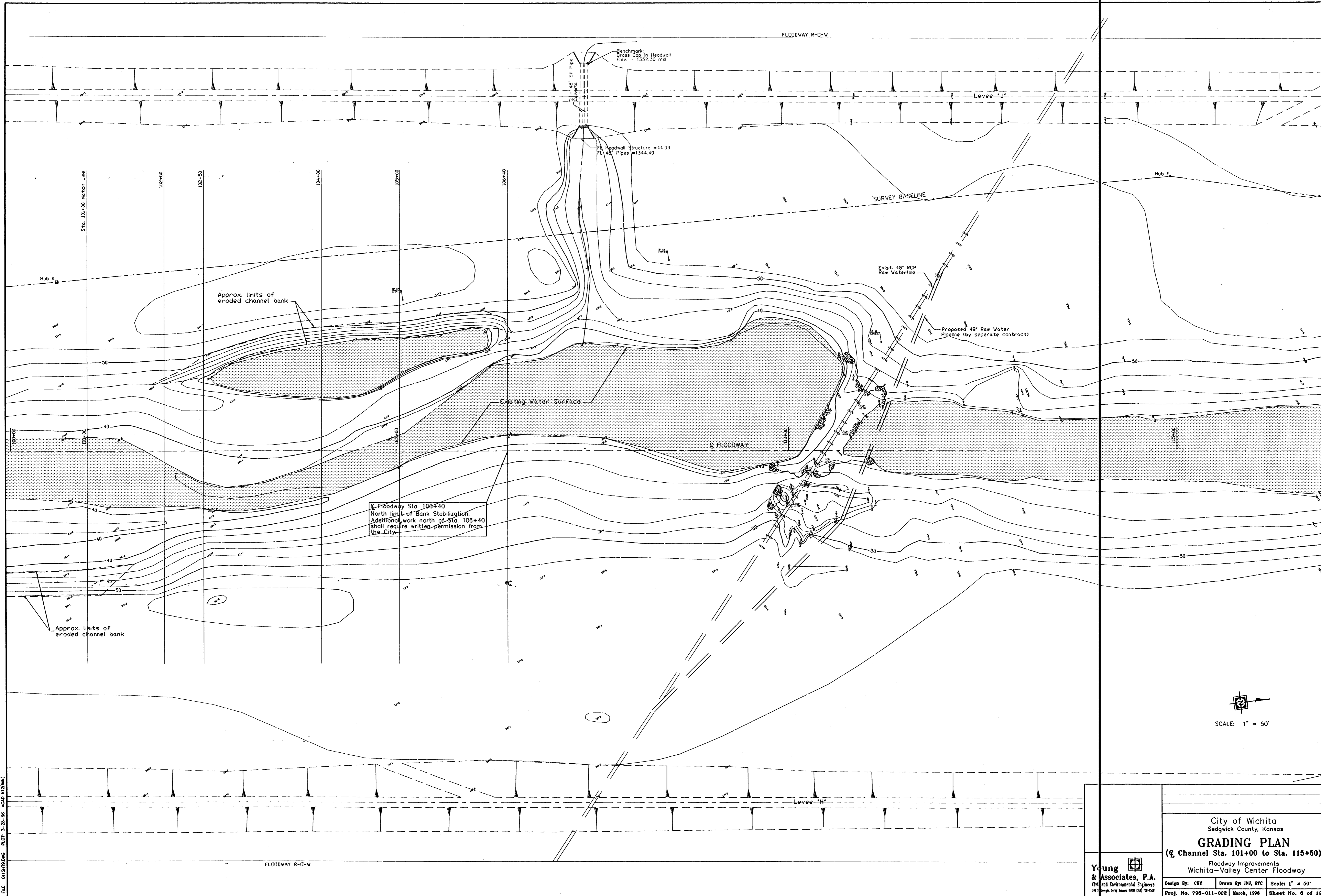
Approx. limits of eroded channel bank

Approx. limits of eroded channel bank

FILE: 0181810.DWG PLOT: 2-28-98 4:40 PM (HW)

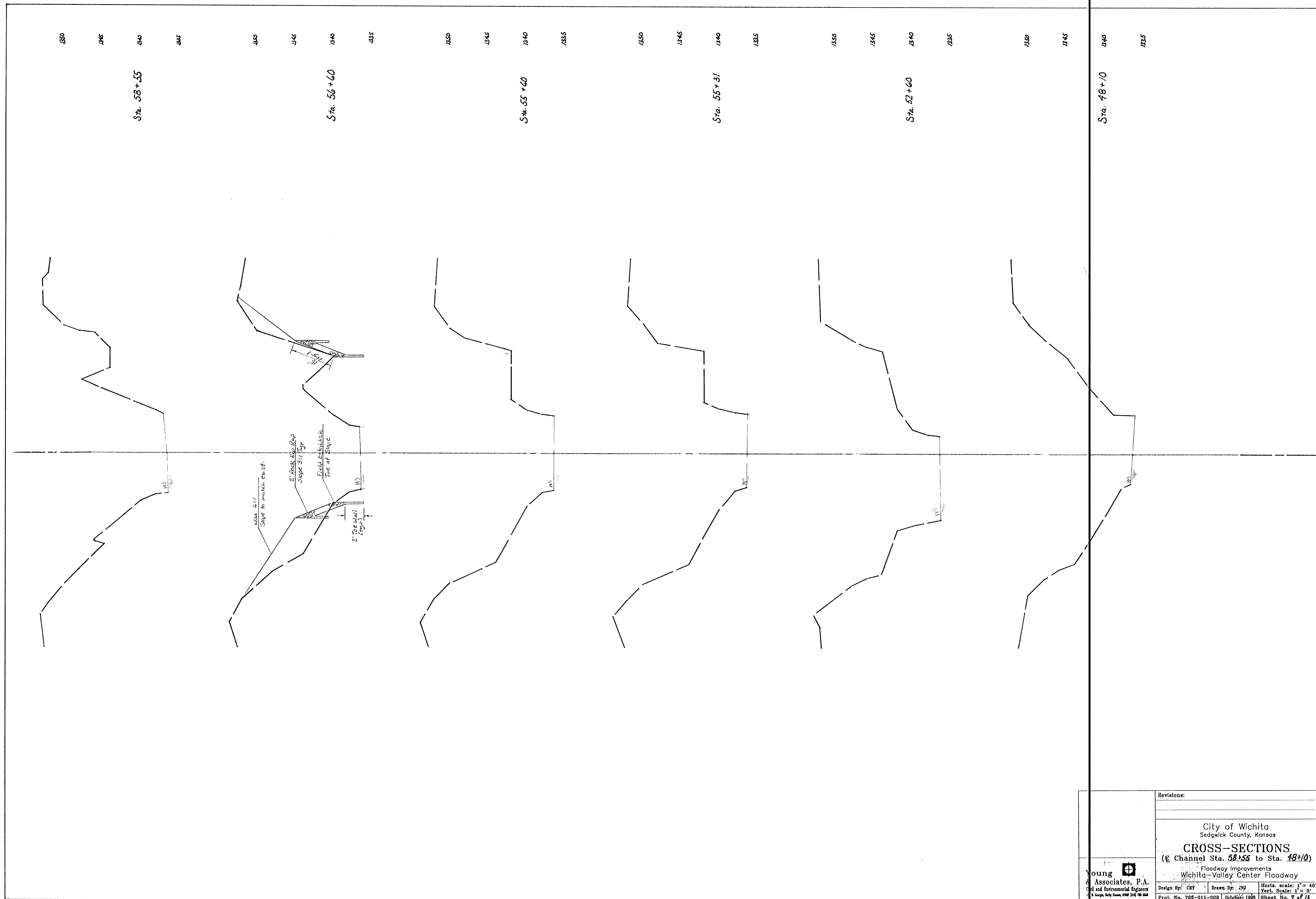
Young & Associates, P.A.
Civil and Environmental Engineers
1001 George Jay Street, Suite 200, Wichita, KS 67202

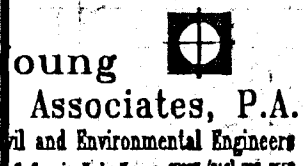
Revisions:		
City of Wichita Sedgwick County, Kansas		
GRADING PLAN		
(Channel Sta. 85+40 to Sta. 101+00)		
Floodway Improvements Wichita-Valley Center Floodway		
Design By: CHV	Drawn By: JNU	Scale: 1" = 50'
Proj. No. 795-011-002	March, 1998	Sheet No. 5 of 12

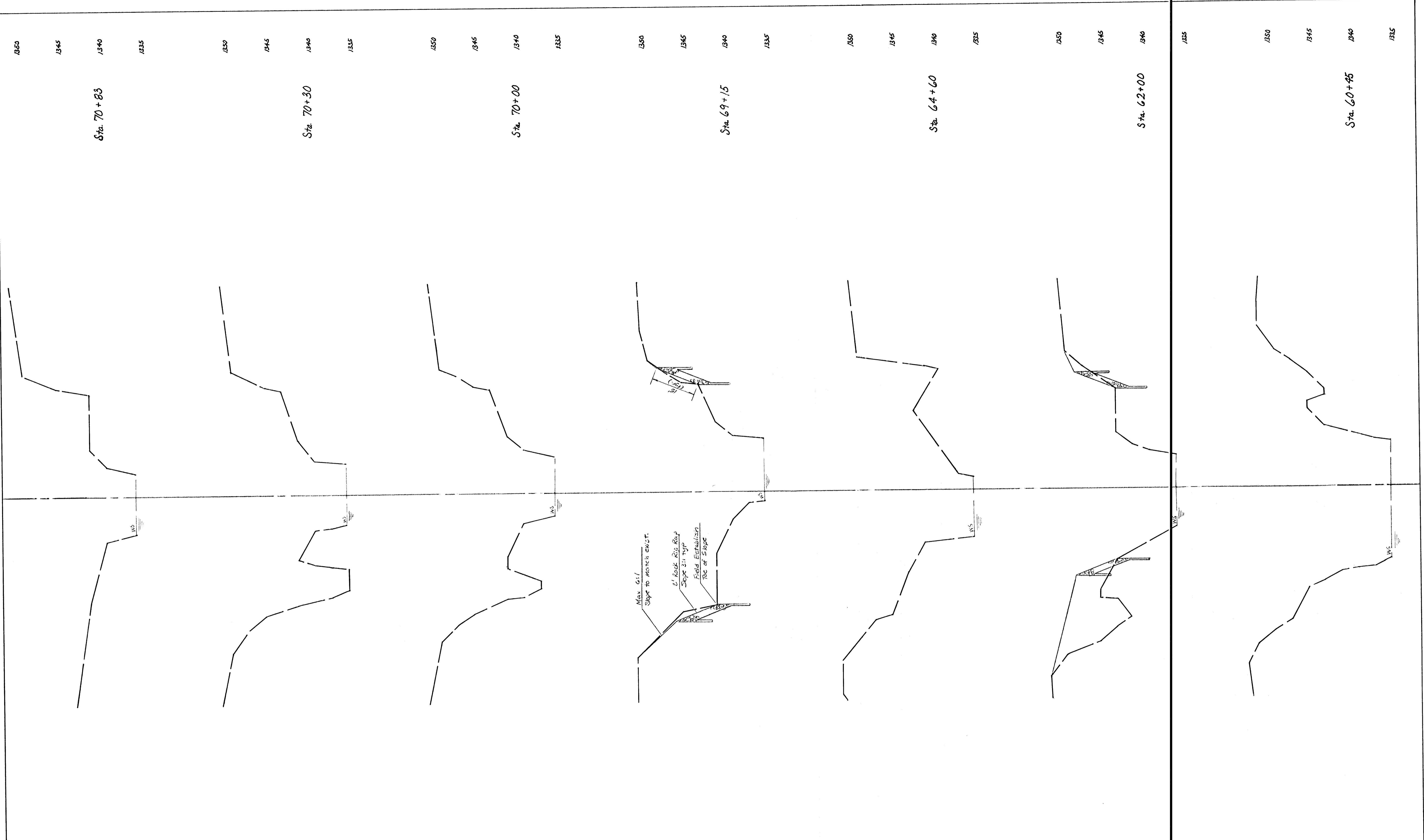


R.E. OLSZEWSKI, P.E. 3-28-95 CAD R12(M)

 Young & Associates, P.A. <small>Civil and Environmental Engineers 1815 North Rock Road, Suite 100, Wichita, KS 67206</small>	City of Wichita Sedgewick County, Kansas GRADING PLAN (Channel Sta. 101+00 to Sta. 115+00) Floodway Improvements Wichita-Valley Center Floodway		
	Design By: CRY	Drawn By: JIM, RTC	Scale: 1" = 50'
	Proj. No. 795-011-002	March, 1996	Sheet No. 6 of 12



 Young & Associates, P.A. Civil and Environmental Engineers 1100 North Meade, Wichita, Kansas 67202	Revisions:		
	City of Wichita Sedgwick County, Kansas		
	CROSS-SECTIONS (Channel Sta. 58+55 to Sta. 48+10)		
	Floodway Improvements Wichita-Valley Center Floodway		
Design By: CSY	Drawn By: DJV	Horiz. Scale: 1" = 40'	Vert. Scale: 1" = 5'
Proj. No. 795-011-002		October, 1995	Sheet No. 7 of 14



1350 1345 1340 1335 1330 1325 1320 1315 1310 1305 1300 1295 1290 1285 1280 1275 1270 1265 1260 1255 1250 1245 1240 1235 1230 1225 1220 1215 1210 1205 1200 1195 1190 1185 1180 1175 1170 1165 1160 1155 1150 1145 1140 1135 1130 1125 1120 1115 1110 1105 1100 1095 1090 1085 1080 1075 1070 1065 1060 1055 1050 1045 1040 1035 1030 1025 1020 1015 1010 1005 1000 995 990 985 980 975 970 965 960 955 950 945 940 935 930 925 920 915 910 905 900 895 890 885 880 875 870 865 860 855 850 845 840 835 830 825 820 815 810 805 800 795 790 785 780 775 770 765 760 755 750 745 740 735 730 725 720 715 710 705 700 695 690 685 680 675 670 665 660 655 650 645 640 635 630 625 620 615 610 605 600 595 590 585 580 575 570 565 560 555 550 545 540 535 530 525 520 515 510 505 500 495 490 485 480 475 470 465 460 455 450 445 440 435 430 425 420 415 410 405 400 395 390 385 380 375 370 365 360 355 350 345 340 335 330 325 320 315 310 305 300 295 290 285 280 275 270 265 260 255 250 245 240 235 230 225 220 215 210 205 200 195 190 185 180 175 170 165 160 155 150 145 140 135 130 125 120 115 110 105 100 95 90 85 80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0

Sta. 70+83

Sta. 70+30

Sta. 70+00

Sta. 69+15

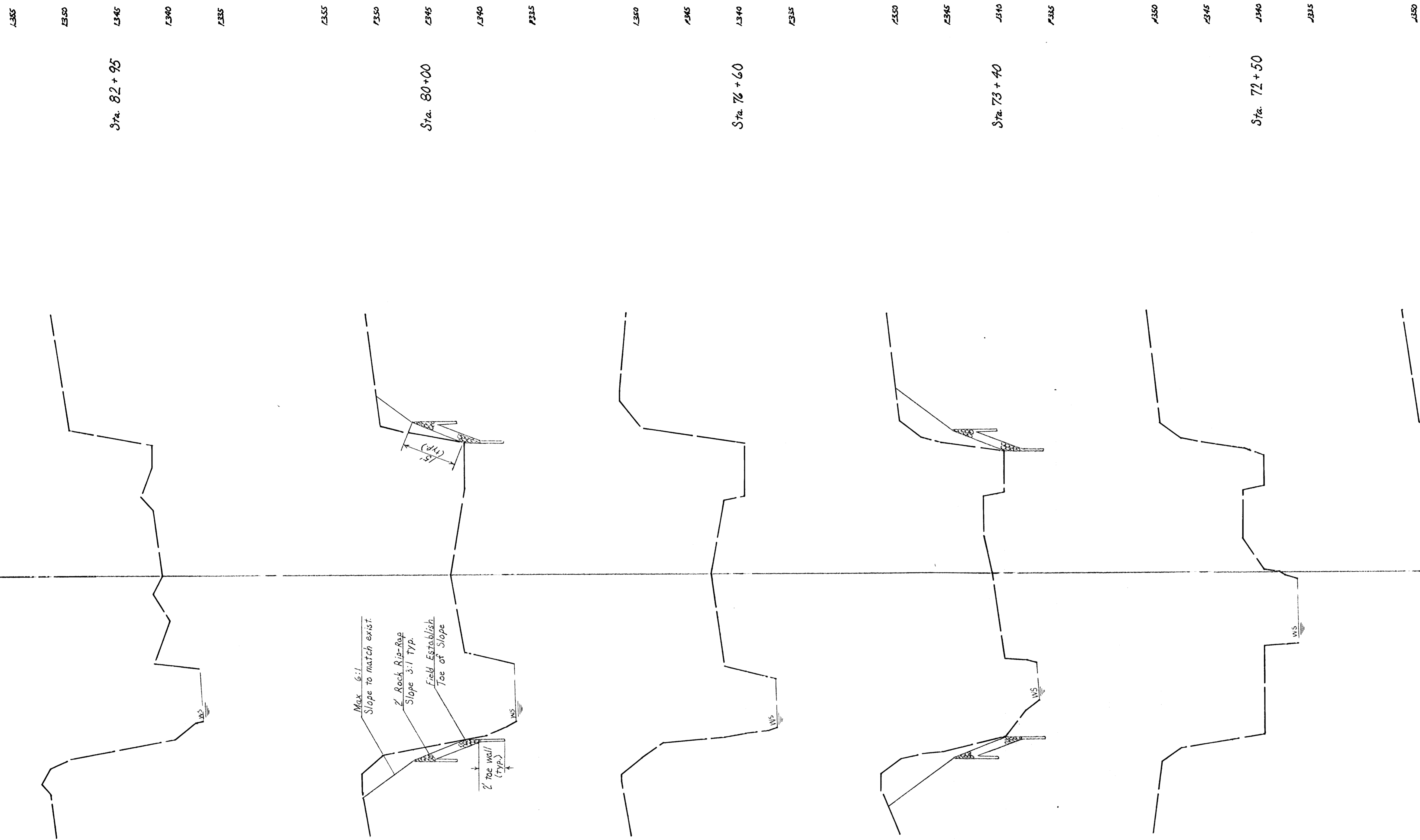
Sta. 64+60

Sta. 62+00

Sta. 60+95

Max. Gill
Slope to match exist.
1' Rock Rip-Rap
Slope 2:1 Top
Field Estimation
Top of Slope

Revisions:		
City of Wichita Sedgwick County, Kansas		
CROSS-SECTIONS		
(Channel Sta. 70+83 to Sta. 60+95)		
Floodway Improvements Wichita-Valley Center Floodway		
Young & Associates, P.A. Civil and Environmental Engineers 101 S. George, Suite 2000, (781) 210-1000	Design By: CRY	Drawn By: JNJ
	Horiz. Scale: 1" = 40'	Vert. Scale: 1" = 5'
Proj. No. 705-011-002	October, 1995	Sheet No. 8 of 12



Revisions:			
City of Wichita Sedgwick County, Kansas CROSS-SECTIONS (E Channel Sta. 82+95 to Sta. 71+30) Floodway Improvements Wichita-Valley Center Floodway			
Young & Associates, P.A. Civil and Environmental Engineers <small>18 & George, Kelly, Koenig, P.C. 010 788-2888</small>	Design By: CRY	Drawn By: JNJ	Horiz. scale: 1" = 40' Vert. Scale: 1" = 5'
	Proj. No. 795-011-002		October, 1998
	Sheet No. 9 of 12		

1335 1350 1345 1340 1335 1355 1350 1345 1340 1335 1355 1350 1345 1340 1335

Sta. 88+50

Sta. 85+80

Sta. 85+40



Revisions:		
City of Wichita Sedgwick County, Kansas		
CROSS-SECTIONS (Channel Sta. 88+50 to Sta. 85+40)		
Floodway Improvements Wichita-Valley Center Floodway		
Design By: CBY	Drawn By: JNJ	Horiz. scale: 1" = 40'
Proj. No. 795-011-002		October, 1995
Sheet No. 10 of 12		

Young & Associates, P.A.
Civil and Environmental Engineers
100 S. George, Suite 2000, Wichita, KS 67202



<p>Young & Associates, P.A. Civil and Environmental Engineers 1414 South Main Street, Suite 200, Wichita, KS 67202</p>	Revisions:		
	City of Wichita Sedgwick County, Kansas CROSS-SECTIONS (Channel Sta. 100+70 to Sta. 91+50) Floodway Improvements Wichita-Valley Center Floodway		
	Design By: CRV	Drawn By: JN	Horiz. Scale: 1" = 40' Vert. Scale: 1" = 5'
	Proj. No. 795-011-003	October, 1995	Sheet No. // of 12

1355
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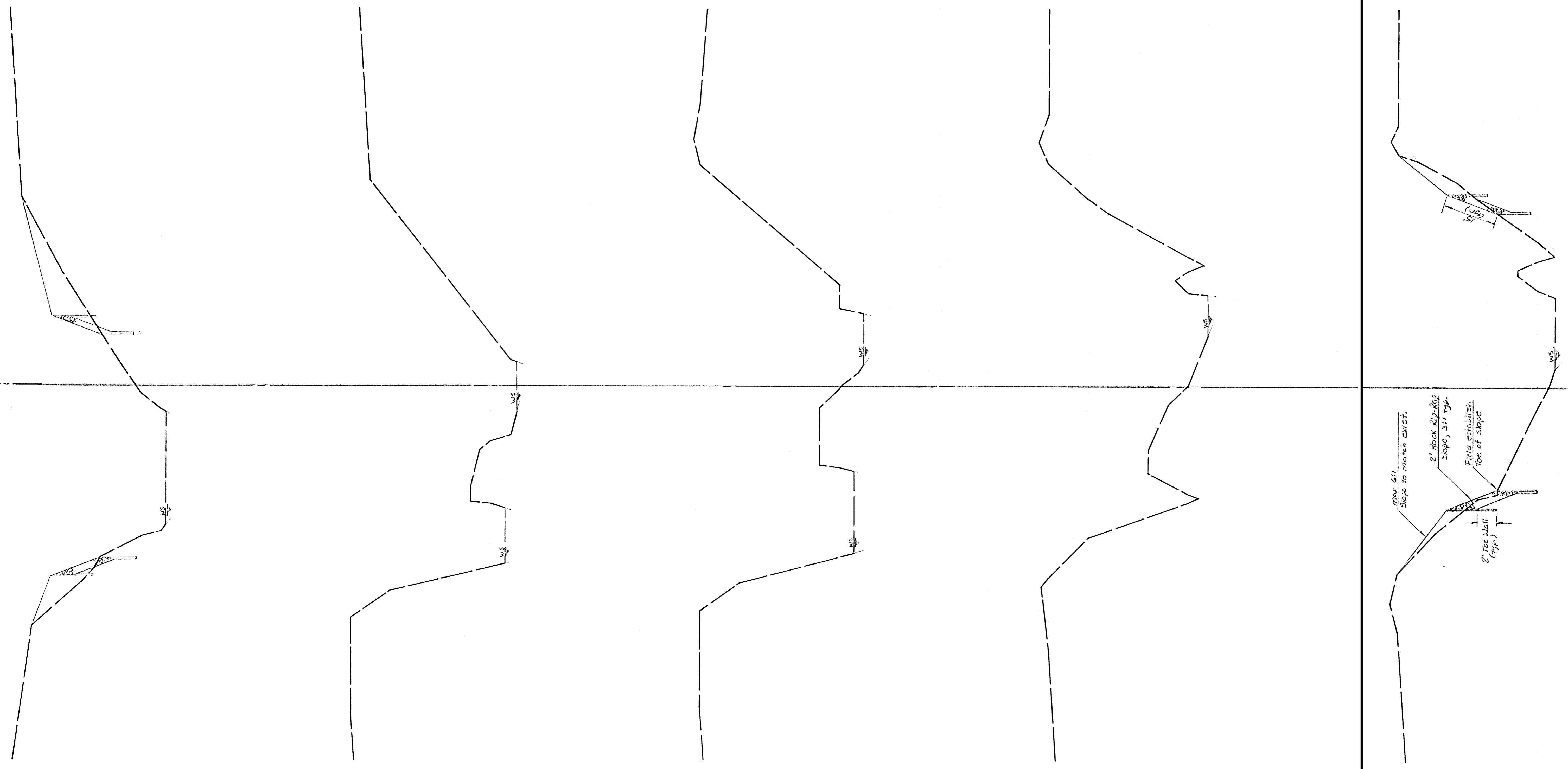
Sta. 106+40

Sta. 105+00

Sta. 104+00

Sta. 102+50

Sta. 102+00



Revisions:		
City of Wichita Sedgwick County, Kansas		
CROSS-SECTIONS		
(Channel Sta. 102+00 to Sta. 102+50)		
Floodway Improvements Wichita-Valley Center Floodway		
Young & Associates, P.A. Civil and Environmental Engineers <small>101 S. Broadway, Suite 1000, Wichita, KS 67202</small>	Design By: CBY	Drawn By: JNJ
	Horiz. scale: 1" = 40'	
	Vert. scale: 1" = 5'	
Proj. No. 795-011-002		October, 1995
Sheet No. 12 of 12		

J. B. O. A. I.