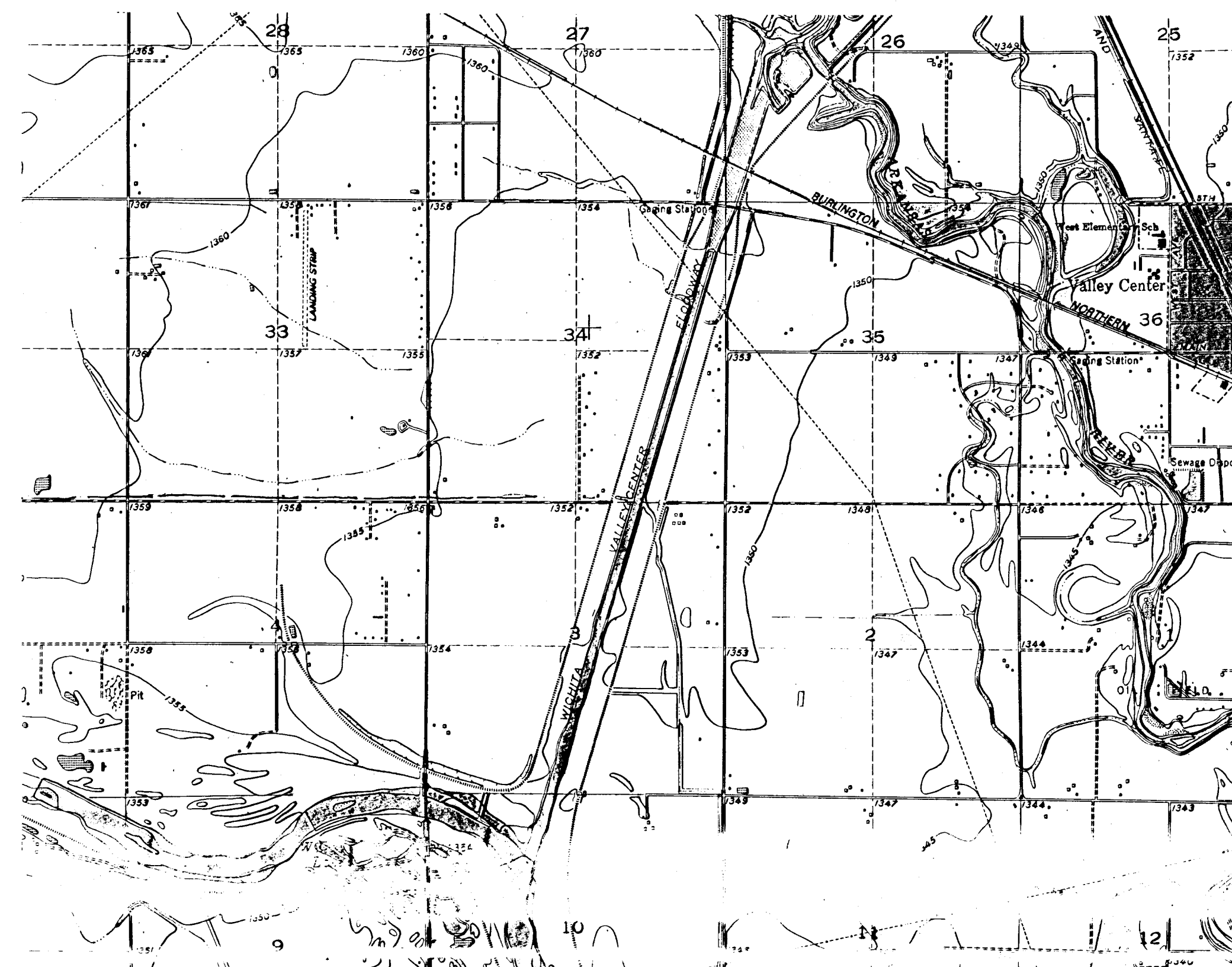


# City of Wichita

Sedgwick County, Kansas

## Wichita-Valley Center Floodway Channel Improvements

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



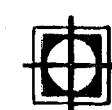
Vicinity Map  
(1"=2000')

### INDEX OF SHEETS:

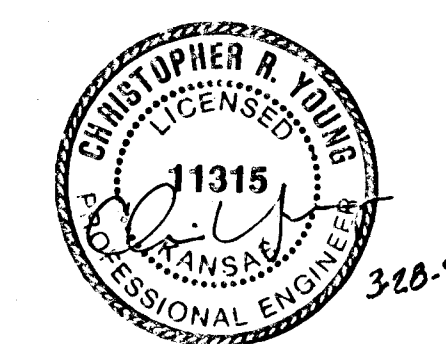
|                                             |    |
|---------------------------------------------|----|
| Title Sheet                                 | 1  |
| Key Map and General Notes                   | 2  |
| Grading Plan (Sta. 56+00 to Sta. 69+15)     | 3  |
| Grading Plan (Sta. 69+15 to Sta. 85+40)     | 4  |
| Grading Plan (Sta. 85+40 to Sta. 101+00)    | 5  |
| Grading Plan (Sta. 101+00 to Sta. 115+50)   | 8  |
| Cross Sections (Sta. 48+10 to Sta. 58+55)   | 7  |
| Cross Sections (Sta. 60+45 to Sta. 70+83)   | 8  |
| Cross Sections (Sta. 71+30 to Sta. 82+95)   | 9  |
| Cross Sections (Sta. 85+40 to Sta. 88+50)   | 10 |
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| Cross Sections (Sta. 102+00 to Sta. 106+40) | 12 |

COW Project No.: 468 82503  
Index Code: 791335

March, 1996



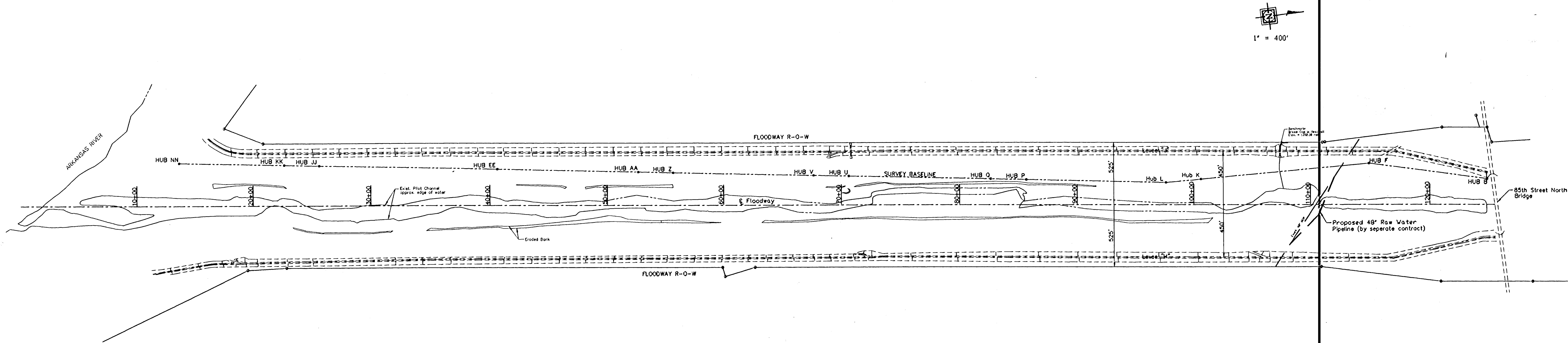
**Young & Associates, P.A.**  
Civil and Environmental Engineers  
100 South Georgia • Derby, Kansas • 67037





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 (913-296-1300).
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  
Sedgwick County, Kansas  
**KEY MAP  
AND  
GENERAL NOTES**  
Floodway Improvements  
Wichita-Valley Center Floodway

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

Young & Associates, P.A.  
Civil and Environmental Engineers  
1001 North Main Street, Suite 100  
Wichita, Kansas 67202



FLOODWAY R-0-W

LEVEE - 3'

SURVEY BASELINE

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

Approx. limits of  
eroded channel bank

Q FLOODWAY

Existing Water Surface

Approx. limits of  
eroded channel bank

Approx. limits of  
eroded channel bank

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

SCALE: 1" = 50'

FLOODWAY R-0-W

FLOODWAY R-0-W

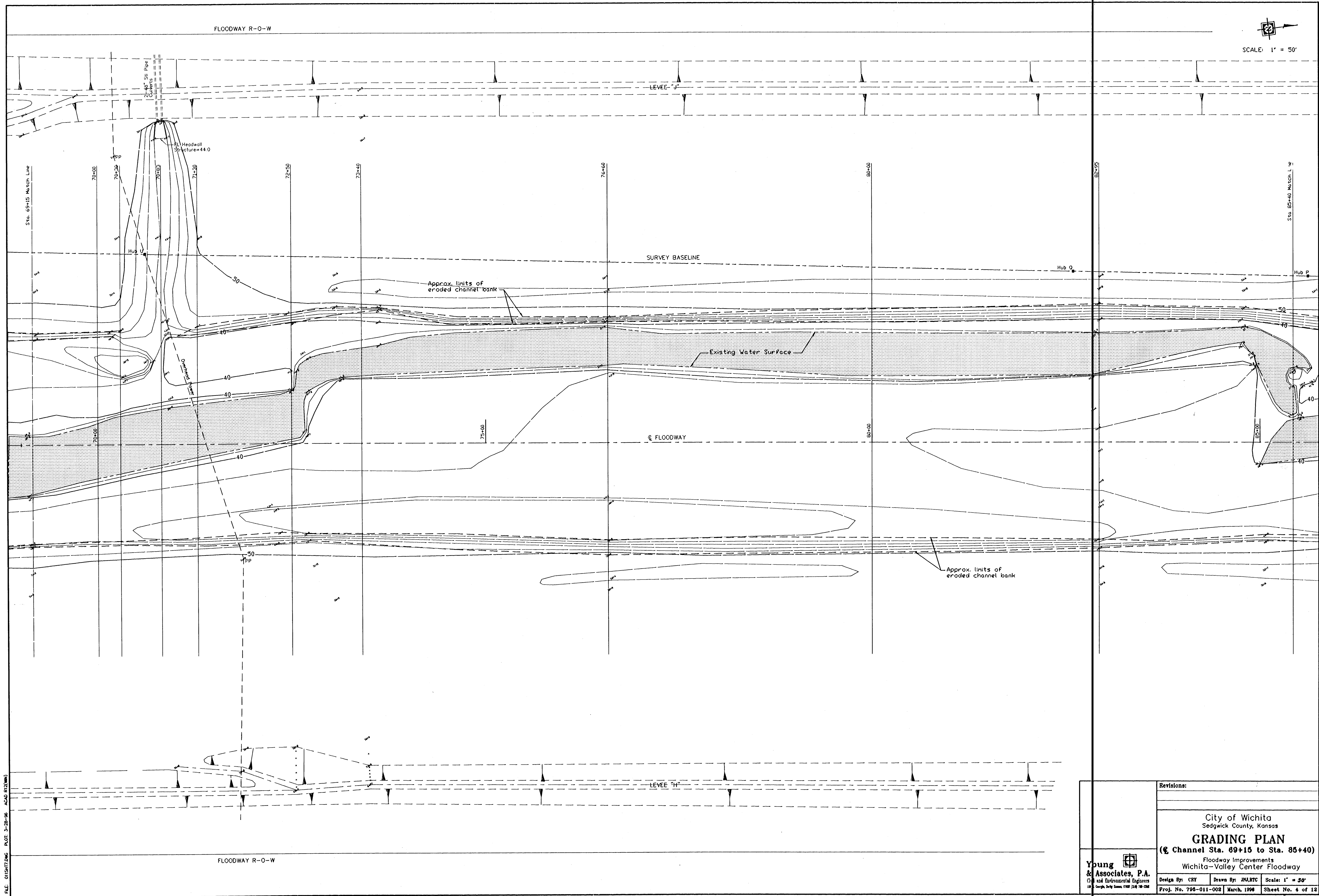
Young  
& Associates, P.A.  
Civil and Environmental Engineers  
200 N. Santa Fe Avenue, Suite 100, Wichita, KS 67202

Revisions:

City of Wichita  
Sedgwick County, Kansas  
**GRADING PLAN**  
(Q Channel Sta. 55+31 to Sta. 69+15)  
Floodway Improvements  
Wichita-Valley Center Floodway

Design By: CRY Drawn By: JMI, MTC Scale: 1" = 50'  
Proj. No. 795-011-002 March, 1996 Sheet No. 3 of 12





|                                                           |                  |
|-----------------------------------------------------------|------------------|
| Revisions:                                                |                  |
| City of Wichita<br>Sedgwick County, Kansas                |                  |
| <b>GRADING PLAN</b><br>(Channel Sta. 69+15 to Sta. 85+40) |                  |
| Floodway Improvements<br>Wichita-Valley Center Floodway   |                  |
| Design By: CRY                                            | Drawn By: JNARTC |
| Proj. No. 798-011-002                                     | March, 1998      |
| Scale: 1" = 50'                                           |                  |
| Sheet No. 4 of 12                                         |                  |

FILE: 015172.DWG PLOT: 3-28-98 ACAD R2(14M)

Young  
& Associates, P.A.  
Civil and Environmental Engineers  
1001 North Meade Avenue, Suite 100  
Wichita, Kansas 67202-1001



FLOODWAY R-O-W

SCALE: 1" = 50'

LEVEE "J"

SURVEY BASELINE

Q FLOODWAY

Existing Water Surface

Approx. limits of eroded channel bank

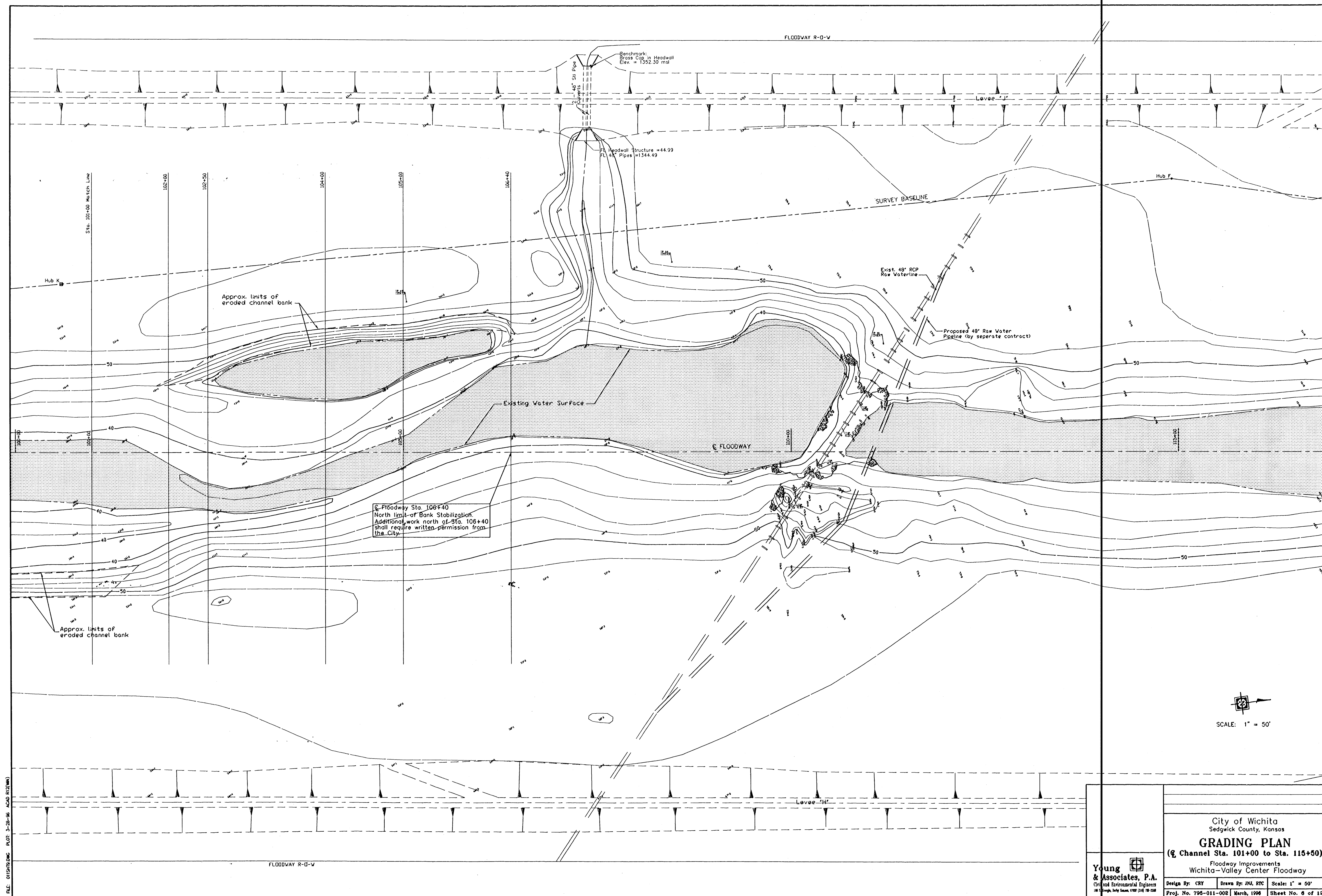
FLOODWAY R-O-W

LEVEE "H"

Young & Associates, P.A.  
Civil and Environmental Engineers  
1001 Georgia Street, Suite 1000, Kansas City, MO 64101

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

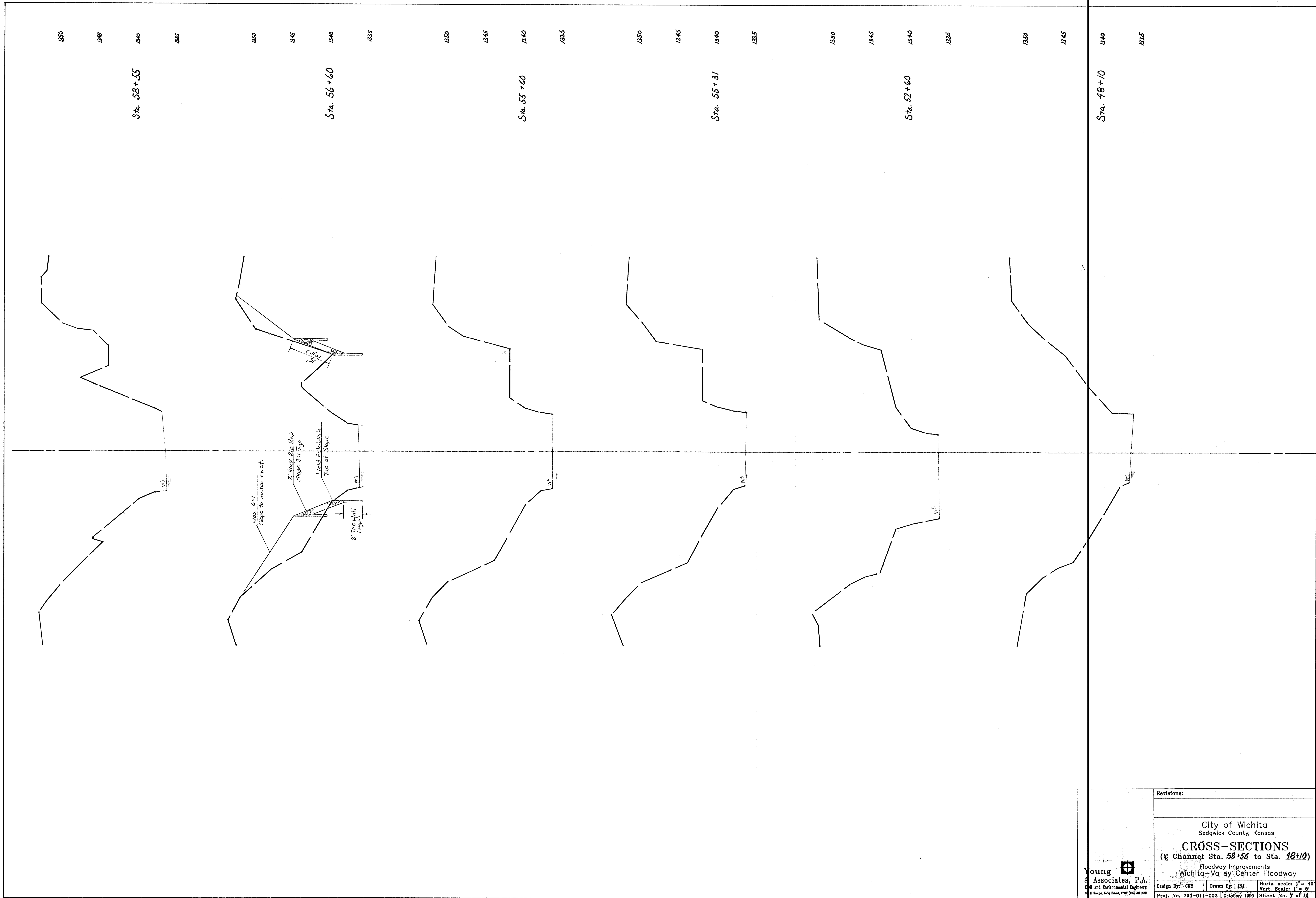




FILE: 015120.DWG, PLOT: 1-28-96, ACAD R12(M)

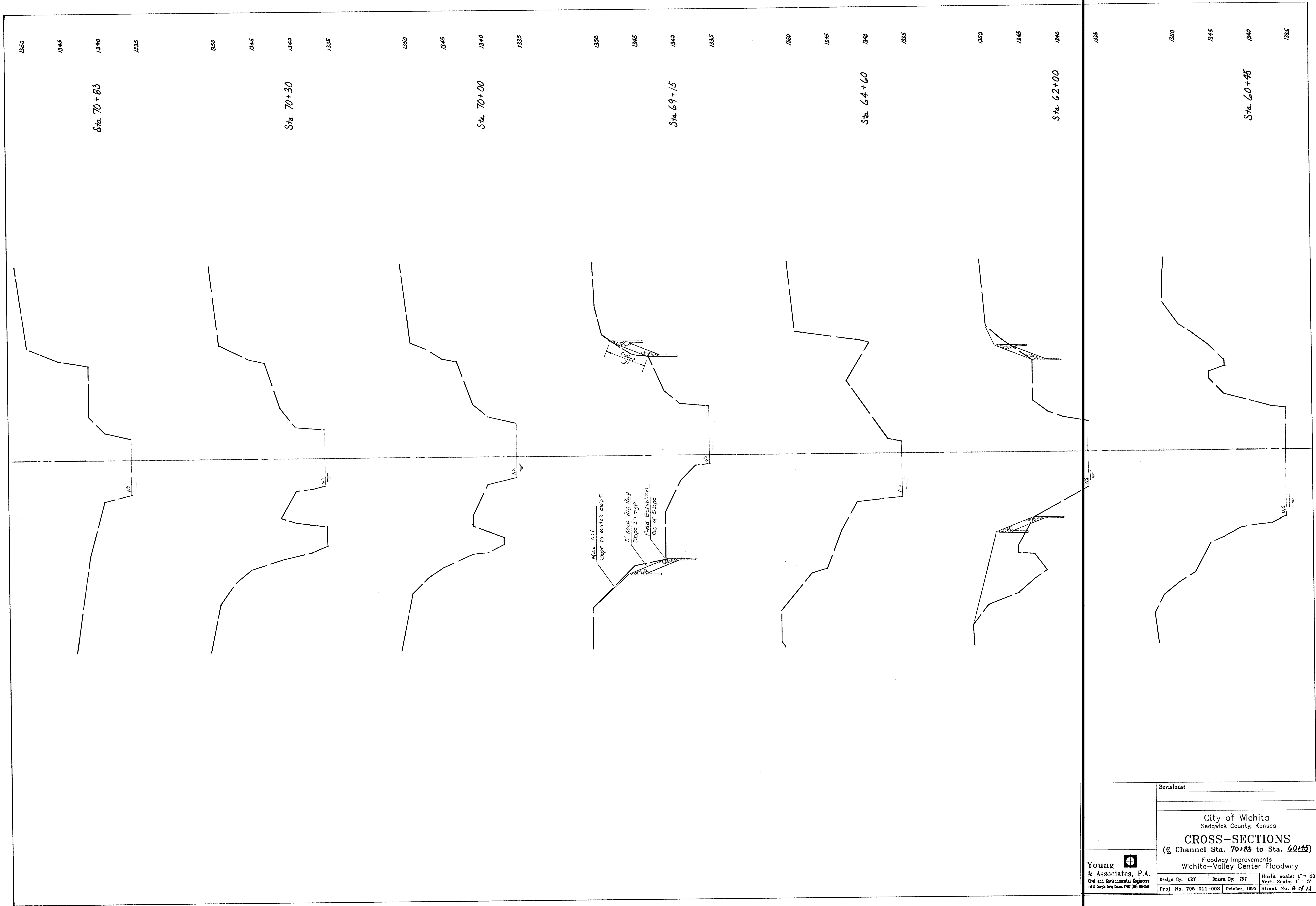
|                                                                                                                                                                                                                           |                                                         |                    |                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|--------------------|-------------------|
| <br><b>Young &amp; Associates, P.A.</b><br>Civil and Environmental Engineers<br>1815 North 10th Street, Suite 200, Wichita, KS 67202 | City of Wichita<br>Sedgwick County, Kansas              |                    |                   |
|                                                                                                                                                                                                                           | <b>GRADING PLAN</b>                                     |                    |                   |
|                                                                                                                                                                                                                           | (Q Channel Sta. 101+00 to Sta. 115+50)                  |                    |                   |
|                                                                                                                                                                                                                           | Floodway Improvements<br>Wichita-Valley Center Floodway |                    |                   |
|                                                                                                                                                                                                                           | Design By: CRY                                          | Drawn By: JNM, RTC | Scale: 1" = 50'   |
| Proj. No. 795-011-002                                                                                                                                                                                                     |                                                         | March, 1996        | Sheet No. 6 of 12 |





|                                                                                       |                                                                                                                        |                        |                      |
|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------|
|  | Revisions:                                                                                                             |                        |                      |
|                                                                                       |                                                                                                                        |                        |                      |
|                                                                                       | City of Wichita<br>Sedgwick County, Kansas                                                                             |                        |                      |
|                                                                                       | <b>CROSS-SECTIONS</b><br>(Channel Sta. 58+55 to Sta. 48+10)<br>Floodway Improvements<br>Wichita-Valley Center Floodway |                        |                      |
| Design By: CSY                                                                        | Drawn By: JNY                                                                                                          | Horiz. scale: 1" = 40' | Vert. Scale: 1" = 5' |
| Proj. No. 795-011-002                                                                 |                                                                                                                        | October 1995           | Sheet No. 7 of 14    |





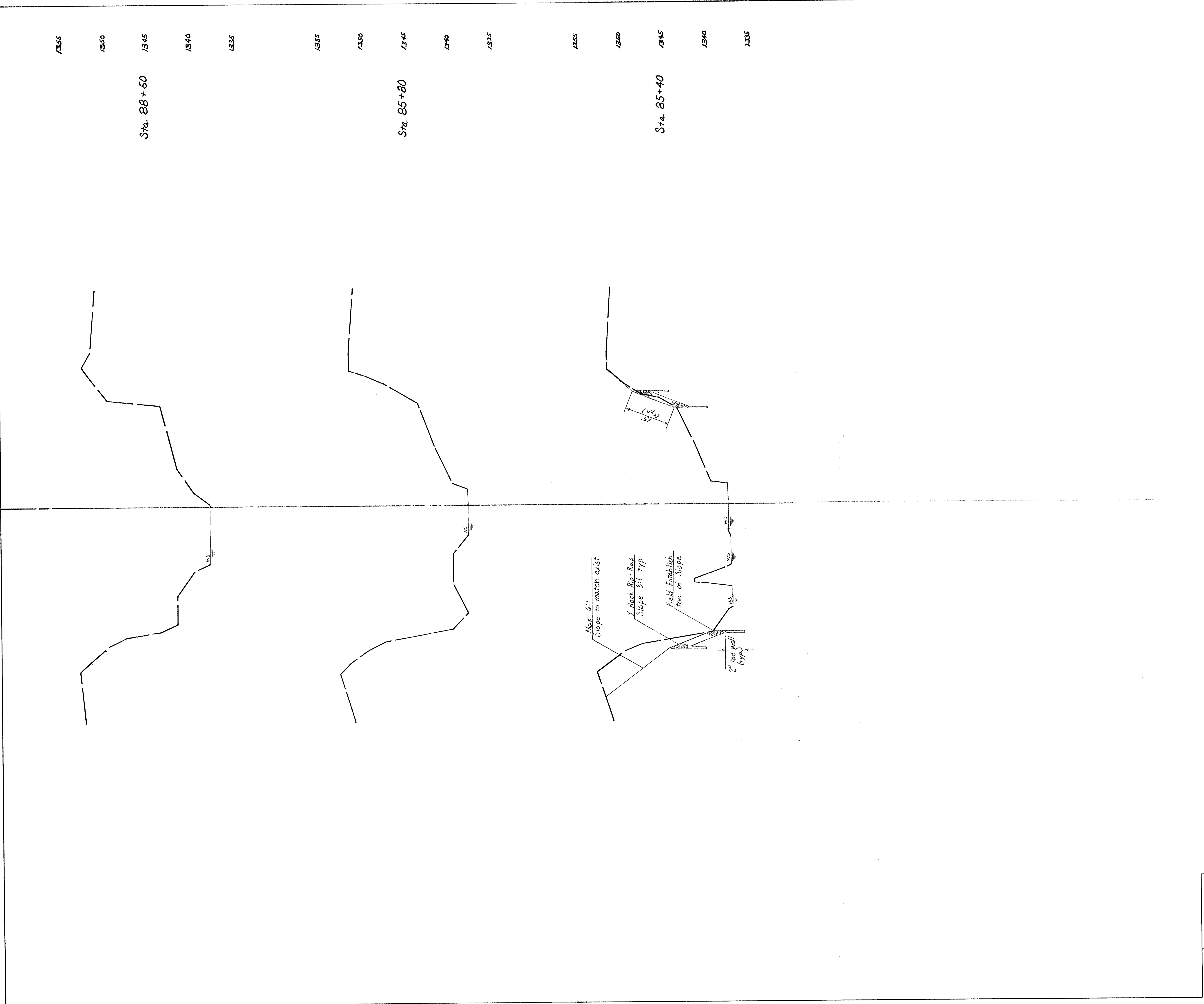
Young  
& Associates, P.A.  
Civil and Environmental Engineers  
100 N. George, Suite 200, Kansas City, MO 64108

|                                                         |               |                        |
|---------------------------------------------------------|---------------|------------------------|
| Revisions:                                              |               |                        |
|                                                         |               |                        |
| City of Wichita<br>Sedgwick County, Kansas              |               |                        |
| CROSS-SECTIONS<br>(Channel Sta. 70+83 to Sta. 60+45)    |               |                        |
| Floodway Improvements<br>Wichita-Valley Center Floodway |               |                        |
| Design By: CRY                                          | Drawn By: JNJ | Horiz. scale: 1" = 40' |
| Proj. No. 705-011-002                                   |               | Oct 1995               |
| October, 1995                                           |               | Sheet No. 8 of 12      |











**Young & Associates, P.A.**  
Civil and Environmental Engineers  
10 S. Georgia, Suite 200, Wichita, KS 67202

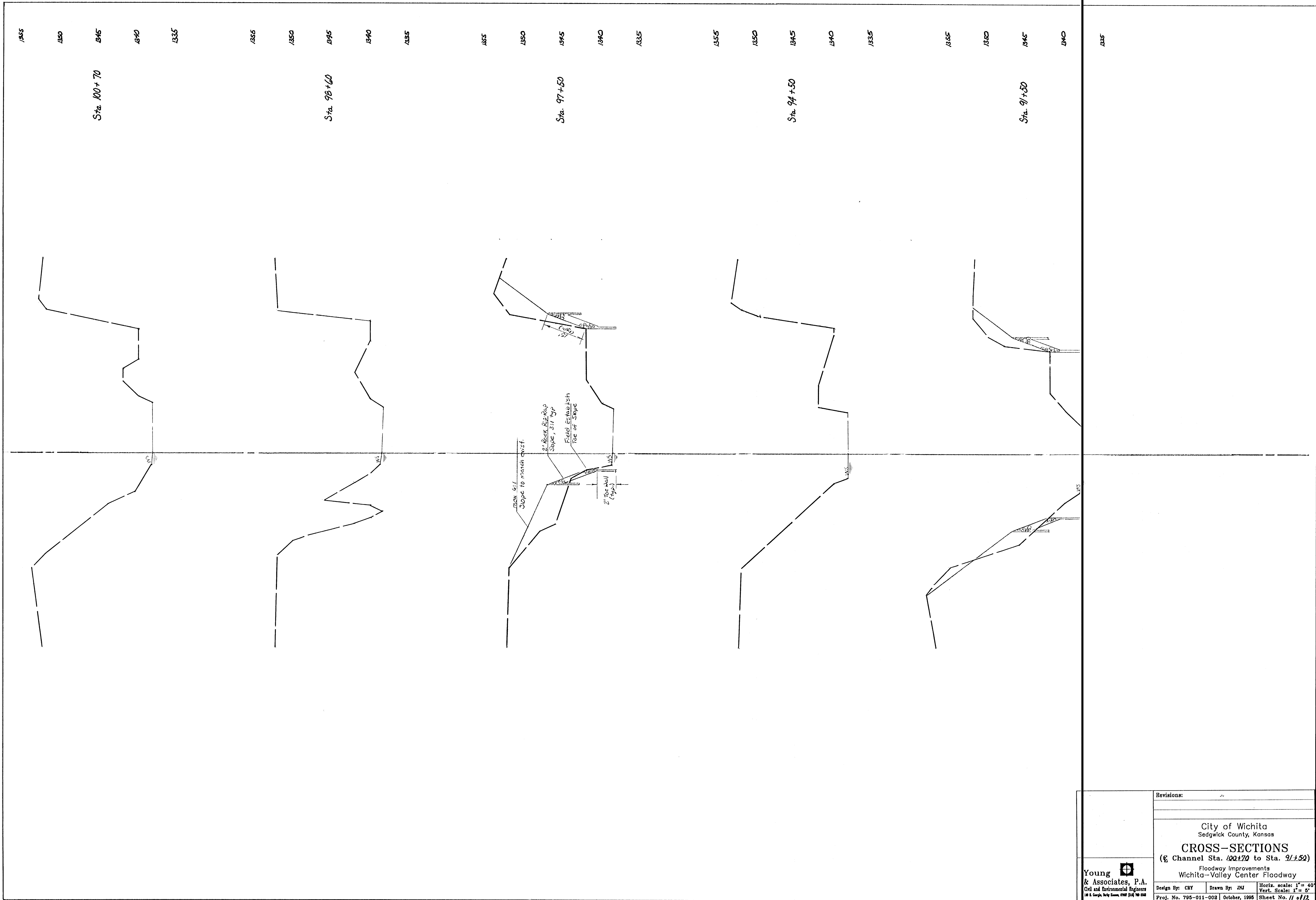
City of Wichita  
Sedgwick County, Kansas

**CROSS-SECTIONS**  
(Channel Sta. 88+50 to Sta. 85+40)

Floodway Improvements  
Wichita-Valley Center Floodway

|                                       |              |                        |
|---------------------------------------|--------------|------------------------|
| Design By: CRY                        | Drawn By: JN | Horiz. scale: 1" = 40' |
| Proj. No. 795-011-002   October, 1995 |              | Vert. Scale: 1" = 5'   |
|                                       |              | Sheet No. 10 of 12     |





Young & Associates, P.A.  
Civil and Environmental Engineers  
1111 North Main Street, Suite 100  
Wichita, Kansas 67202

|                                                         |               |                        |
|---------------------------------------------------------|---------------|------------------------|
| Revisions:                                              |               |                        |
|                                                         |               |                        |
|                                                         |               |                        |
| City of Wichita<br>Sedgwick County, Kansas              |               |                        |
| CROSS-SECTIONS<br>(Channel Sta. 100+70 to Sta. 91+50)   |               |                        |
| Floodway Improvements<br>Wichita-Valley Center Floodway |               |                        |
| Design By: CRV                                          | Drawn By: JN  | Horiz. scale: 1" = 40' |
| Proj. No. 795-011-003                                   | October, 1995 | Vert. Scale: 1" = 5'   |
|                                                         |               | Sheet No. 11 of 12     |



