

SUB 2003-28 -- Preliminary Plat of CRYSTAL CREEK ADDITION
April 17, 2003 - Page 2

NOTE: Except for the east 662 feet, this site is located in the County adjoining Wichita's city limits and annexation is required. The Applicant proposes a zone change from SF-20, Single-Family Residential (Lots 1, 2, and 3, Block B) and from SF-5, Single-Family Residential (Lots 3, 4, 5 and 6, Block B) to LC, Limited Commercial. The site is located within the 100-year floodplain.

Planning Staff recommends approval of the plat.

STAFF COMMENTS:

- A. Prior to this plat being scheduled for City Council review, annexation of the property will need to be completed. Upon annexation, the portion of the property not contained within the zone change will be zoned SF-5, Single-Family Residential and allow for the lot sizes being platted.
- B. If improvements are guaranteed by petition, a notarized certificate listing the petitions shall be submitted to the Planning Department for recording.
- C. **City/County Engineering** needs to comment on the status of the applicant's drainage concept.
- D. **Traffic Engineering** needs to comment on the need for any improvements to perimeter streets. **Left turn lanes along Harry are requested.**
- E. **Traffic Engineering** needs to comment on the access controls. The plat proposes three joint access openings for the commercial lots along Harry. Distances should be shown for all segments of access control. The final plat shall reference the dedication of access controls in the plattor's text. **Traffic Engineering requests that the joint opening located between Lots 5 and 6, Block B be relocated entirely within Lot 6 to be in alignment with the major opening platted in the Smithmoor Addition across Harry. A cross-lot access agreement is needed for the benefit of Lot 5.**
- F. The joint access openings shall be established by separate instrument. Initial construction responsibilities and future maintenance of the driveway within the easements should also be addressed by the text of the instrument.
- G. The Applicant shall guarantee the paving of the proposed streets. The guarantee shall also provide for sidewalks on at least one side of all through, non cul-de-sac streets.
- H. MAPD and **Traffic Engineering** request a street stub shown extending to the east from Smithmoor Street for increased mobility when development occurs in this location.
- I. The final plat shall state in the plattor's text the purposes of the proposed reserves as well as the ownership and maintenance responsibilities.
- J. Provisions shall be made for ownership and maintenance of the proposed reserves. The applicant shall either form a lot owners' association prior to recording the plat or shall submit a covenant stating when the association will be formed, when the reserves will be deeded to the association and who is to own and maintain the reserves prior to the association taking over those responsibilities.

- K. For those reserves being platted for drainage purposes, the required covenant which provides for ownership and maintenance of the reserves shall grant, to the City, the authority to maintain the drainage reserves in the event the owner(s) fail to do so. The covenant shall provide for the cost of such maintenance to be charged back to the owner(s) by the governing body.
- L. The applicant shall submit a covenant which provides for four (4) off-street parking spaces per dwelling unit on each lot which abuts a 58-foot street. The covenant shall inventory the affected lots by lot and block number and shall state that the covenant runs with the land and is binding on future owners and assigns.
- M. The lot numbers in Block B need to be renumbered.
- N. GIS needs to comment on the plat's street names. Chateau Cir needs revised to Boston Ct.
- O. The Applicant is reminded that a platting binder is required with the final plat. Approval of this plat will be subject to submittal of this binder and any relevant conditions found by such a review.
- P. The platting text shall include language that a drainage plan has been developed for the plat and that all drainage easements, rights-of-way, or reserves shall remain at established grades or as modified with the approval of the applicable City or County Engineer, and unobstructed to allow for the conveyance of stormwater.
- Q. The applicant shall install or guarantee the installation of all utilities and facilities which are applicable and described in Article 8 of the MAPC Subdivision Regulations. (Water service and fire hydrants required by Article 8 for fire protection shall be as per the direction and approval of the Chief of the Fire Department.)
- R. The applicant's engineer is advised that the Register of Deeds is requiring the name(s) of the notary public, who acknowledges the signatures on this plat, to be printed beneath the notary's signature.
- S. To receive mail delivery without delay, and to avoid unnecessary expense, the applicant is advised of the necessity to meet with the U.S. Postal Service Growth Management Coordinator (Phone 316-946-4556) prior to development of the plat so that the type of delivery, and the tentative mailbox locations can be determined.
- T. The applicant is advised that various State and Federal requirements (specifically but not limited to the Army Corps of Engineers, Kanopolis Project Office, Rt. 1, Box 317, Valley Center, KS 67147) for the control of soil and wind erosion and the protection of wetlands may impact how this site can be developed. It is the applicant's responsibility to contact all appropriate agencies to determine any such requirements.
- U. The owner of the subdivision should note that any construction that results in earthwork activities that will disturb one (1) acre or more of ground cover requires a Federal/State NPDES Storm Water Discharge Permit from the Kansas Department of Health and Environment in Topeka. Also, for projects located within the City of Wichita, erosion and sediment control devices must be used on ALL projects. For projects outside of the City of Wichita, but within the Wichita Metropolitan area, the owner should contact the appropriate governmental jurisdiction concerning erosion and sediment control device requirements.

SUB 2003-28 -- Preliminary Plat of CRYSTAL CREEK ADDITION
April 17, 2003 - Page 4

- V. Perimeter closure computations shall be submitted with the final plat tracing.
- W. Recording of the plat within thirty (30) days after approval by the City Council and/or County Commission.
- X. The representatives from the utility companies should be prepared to comment on the need for any additional utility easements to be platted on this property.
- Y. The applicant is reminded that a disk shall be submitted with the final plat tracing to the Planning Department detailing this plat in digital format in AutoCAD. This will be used by the City and County GIS Department.

STAFF REPORT
(Final Plat, Preliminary Plat Approved 4/17/03)

CASE NUMBER: SUB 2003-28 -- CRYSTAL CREEK ADDITION

OWNER/APPLICANT: (Contract Purchaser) Russell Development, 12602 W. 13th St. N,
Wichita, KS 67235

SURVEYOR/ENGINEER: Baughman Company, P.A., 315 Ellis, Wichita, KS 67211

LOCATION: North side of Harry, West of Greenwich

SITE SIZE: 43.98 acres

NUMBER OF LOTS

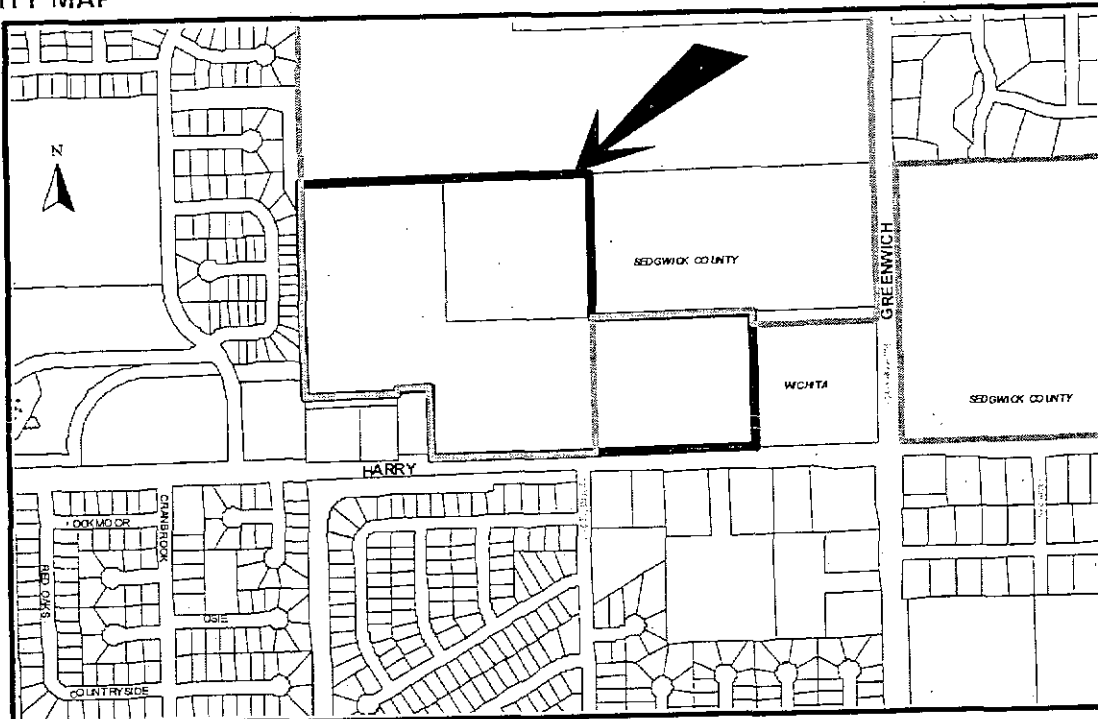
| | |
|--------------|----|
| Residential: | 77 |
| Office: | |
| Commercial: | 6 |
| Industrial: | |
| Total: | 83 |

MINIMUM LOT AREA: 9,120 sq. ft.

CURRENT ZONING: SF-20, Single-Family Residential, SF-5, Single-Family Residential

PROPOSED ZONING: SF-5, Single-Family Residential, LC, Limited Commercial

VICINITY MAP



NOTE: Except for the east 662 feet, this site is located in the County adjoining Wichita's city limits and annexation is required. The Applicant proposes a zone change from SF-20, Single-Family Residential (Lots 1, 2, and 3, Block D) and from SF-5, Single-Family Residential (Lots 3, 4, 5 and 6, Block D) to LC, Limited Commercial. The site is located within the 100-year floodplain.

Planning Staff recommends approval of the plat.

STAFF COMMENTS:

- A. Prior to this plat being scheduled for City Council review, annexation of the property will need to be completed. Upon annexation, the portion of the property not contained within the zone change will be zoned SF-5, Single-Family Residential and allow for the lot sizes being platted.
- B. The applicant shall guarantee the extension of sanitary sewer and City water to serve the lots being platted.
- C. If improvements are guaranteed by petition, a notarized certificate listing the petitions shall be submitted to the Planning Department for recording.
- D. City/County Engineering needs to comment on the status of the applicant's drainage plan.
- E. Traffic Engineering needs to comment on the need for any improvements to perimeter streets. Left turn lanes along Harry are requested.
- F. The plat proposes three joint access openings for the commercial lots along Harry. Distances should be shown for all segments of access control. The final plat shall reference the dedication of access controls in the plat's text. Traffic Engineering requests that the joint opening located between Lots 5 and 6, Block B be relocated entirely within Lot 6 to be in alignment with the major opening platted in the Smithmoor Addition across Harry. A cross-lot access agreement is needed for the benefit of Lot 5.

Access controls have been platted as requested.
- G. The joint access openings shall be established by separate instrument. Initial construction responsibilities and future maintenance of the driveway within the easements should also be addressed by the text of the instrument.
- H. City Fire Department has concerns regarding the need for a second point of access. The applicant is requested to meet with City Fire Department to discuss this issue prior to review of the final plat. The applicant will provide a 20-foot roadway surface for ingress and 29-foot roadway surface as part of the egress onto the arterial street to eliminate the need for a second point of access.
- I. The Applicant shall guarantee the paving of the proposed streets. The guarantee shall also provide for sidewalks on at least one side of all through, non cul-de-sac streets.
- J. MAPD and Traffic Engineering request a street stub shown extending to the east from Smithmoor Street for increased mobility when development occurs in this location. The Subdivision Committee did not require this connection.

- L. Provisions shall be made for ownership and maintenance of the proposed reserves. The applicant shall either form a lot owners' association prior to recording the plat or shall submit a covenant stating when the association will be formed, when the reserves will be deeded to the association and who is to own and maintain the reserves prior to the association taking over those responsibilities.
- M. For those reserves being platted for drainage purposes, the required covenant that provides for ownership and maintenance of the reserves shall grant, to the City, the authority to maintain the drainage reserves in the event the owner(s) fail to do so. The covenant shall provide for the cost of such maintenance to be charged back to the owner(s) by the governing body.
- N. The applicant shall submit a covenant that provides for four (4) off-street parking spaces per dwelling unit on each lot that abuts a 58-foot street. The covenant shall inventory the affected lots by lot and block number and shall state that the covenant runs with the land and is binding on future owners and assigns.
- O. Block D needs to be replaced with Block B and include Lots 22 through 27.
- P. GIS needs to comment on the plat's street names. Smithmoor St. needs to be eliminated and replaced with Zimmerly and Boston. Shiloh Ct needs to be labeled.
- Q. The plat's text shall include language that a drainage plan has been developed for the plat and that all drainage easements, rights-of-way, or reserves shall remain at established grades or as modified with the approval of the applicable City or County Engineer, and unobstructed to allow for the conveyance of stormwater.
- R. The applicant shall install or guarantee the installation of all utilities and facilities that are applicable and described in Article 8 of the MAPC Subdivision Regulations. (Water service and fire hydrants required by Article 8 for fire protection shall be as per the direction and approval of the Chief of the Fire Department.)
- S. The applicant's engineer is advised that the Register of Deeds is requiring the name(s) of the notary public, who acknowledges the signatures on this plat, to be printed beneath the notary's signature.
- T. To receive mail delivery without delay, and to avoid unnecessary expense, the applicant is advised of the necessity to meet with the U.S. Postal Service Growth Management Coordinator (Phone 316-946-4556) prior to development of the plat so that the type of delivery, and the tentative mailbox locations can be determined.
- U. The applicant is advised that various State and Federal requirements (specifically but not limited to the Army Corps of Engineers, Kanopolis Project Office, Rt. 1, Box 317, Valley Center, KS 67147) for the control of soil and wind erosion and the protection of wetlands may impact how this site can be developed. It is the applicant's responsibility to contact all appropriate agencies to determine any such requirements.
- V. The owner of the subdivision should note that any construction that results in earthwork activities that will disturb one (1) acre or more of ground cover requires a Federal/State NPDES Storm Water Discharge Permit from the Kansas Department of Health and Environment in Topeka. Also,

SUB 2003-28 -- Final Plat of CRYSTAL CREEK ADDITION
May 29, 2003 - Page 4

for projects located within the City of Wichita, erosion and sediment control devices must be used on ALL projects. For projects outside of the City of Wichita, but within the Wichita Metropolitan area, the owner should contact the appropriate governmental jurisdiction concerning erosion and sediment control device requirements.

- W. Perimeter closure computations shall be submitted with the final plat tracing.
- X. Recording of the plat within thirty (30) days after approval by the City Council and/or County Commission.
- Y. The representatives from the utility companies should be prepared to comment on the need for any additional utility easements to be platted on this property. *Westar Energy has requested additional easements.*
- Z. The applicant is reminded that a disk shall be submitted with the final plat tracing to the Planning Department detailing this plat in digital format in AutoCAD. This will be used by the City and County GIS Department.

Interior Channel HEC-2 Model
Proposed Conditions
City of Wichita Datum

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*****
* HEC-2 WATER SURFACE PROFILES *
* *
* Version 4.6.2; May 1991 *
* *
* RUN DATE 08DEC03 TIME 10:00:30 *
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*****
* U.S. ARMY CORPS OF ENGINEERS *
* HYDROLOGIC ENGINEERING CENTER *
* 609 SECOND STREET, SUITE D *
* DAVIS, CALIFORNIA 95616-4687 *
* (916) 756-1104 *
*****
  
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08DEC03 10:00:30

PAGE 1

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HEC-2 WATER SURFACE PROFILES

Version 4.6.2; May 1991

T1 SEDGWICK COUNTY FIS
T2 100-YR FREQUENCY STORM NATURAL PROFILE
T3 INTERIOR CHANNEL
T4 FILE: CHAN_CD.IH2

| J1 | ICHECK | INQ | NINV | IDIR | STRT | METRIC | EVINS | Q | WSEL | EQ |
|----|--------|-----|------|------|-------|--------|-------|---|-------|----|
| | 0 | 2 | 0 | 0 | .0000 | .00 | .0 | 0 | 151.3 | .0 |

| J2 | NPROF | IPLOT | PRFVS | XSECV | XSECH | FN | ALLDC | IBW | CEMIM | ITRACE |
|----|-------|-------|-------|-------|-------|----|-------|-----|-------|--------|
| | 1.0 | 0 | -1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

| | | | | | | | | | | |
|-----|-----|---|---|---|---|---|---|---|---|---|
| 110 | 200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-----|-----|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | |
|----|------|------|------|-----|----|---|---|------|------|---|
| NC | 0.03 | 0.03 | 0.03 | .1 | .3 | 0 | 0 | 0 | 0 | 0 |
| QT | 2 | 1250 | 1250 | | | | | | | |
| ET | 0 | 0 | 0 | 9.1 | | | | 1000 | 1094 | |

Interior Channel HEC-2 Model
Proposed Conditions
City of Wichita Datum

TRIPLE 10'X5' RCBC INLET

| | | | | | | | | | |
|----|---------|----------|--------|------|--------|------|--------|---------|-------------|
| X1 | 0 | 6 | 1000 | 1094 | 0 | 0 | 0 | -1187.4 | |
| GR | 1342.1 | 990 | 1341.9 | 1000 | 1334.9 | 1028 | 1334.9 | 1073 | 1341.9 1094 |
| GR | 1342.1 | 1104 | | | | | | | |
| ET | | | 9.1 | | | | | 1000 | 1094 |
| X1 | 50 | 0 | | | 50 | 50 | 50 | .145 | |
| ET | | | 9.1 | | | | | 1000 | 1094 |
| X1 | 100 | 0 | | | 50 | 50 | 50 | .145 | |
| ET | | | 9.1 | | | | | 1000 | 1094 |
| X1 | 150 | 0 | | | 50 | 50 | 50 | .145 | |
| 1 | 08DEC03 | 10:00:30 | | | | | | | PAGE 2 |
| ET | | | 9.1 | | | | | 1000 | 1094 |
| X1 | 200 | 0 | | | 50 | 50 | 50 | .145 | |
| ET | | | 9.1 | | | | | 1000 | 1094 |
| X1 | 250 | 0 | | | 50 | 50 | 50 | .145 | |
| ET | | | 9.1 | | | | | 1000 | 1094 |
| X1 | 300 | 0 | | | 50 | 50 | 50 | .145 | |
| ET | | | 9.1 | | | | | 1000 | 1094 |
| X1 | 350 | 0 | | | 50 | 50 | 50 | .145 | |
| ET | | | 9.1 | | | | | 1000 | 1094 |
| X1 | 400 | 0 | | | 50 | 50 | 50 | .145 | |
| ET | | | 9.1 | | | | | 1000 | 1094 |
| X1 | 450 | 0 | | | 50 | 50 | 50 | .145 | |
| ET | | | 9.1 | | | | | 1000 | 1094 |

Interior Channel HEC-2 Model
Proposed Conditions
City of Wichita Datum

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|----|---------|----------|--------|------|--------|------|--------|------|---------|--------|
| X1 | 500 | 0 | | | 50 | 50 | 50 | | .145 | |
| QT | 2 | 960 | 960 | | | | | | | |
| ET | | | 9.1 | | | | | | 1000 | 1058 |
| X1 | 550 | 6 | 1000 | 1058 | 50 | 50 | 50 | | -1187.4 | |
| GR | 1342.7 | 990 | 1342.5 | 1000 | 1336.5 | 1018 | 1336.5 | 1040 | 1342.5 | 1058 |
| GR | 1342.7 | 1068 | | | | | | | | |
| ET | | | 9.1 | | | | | | 1000 | 1058 |
| X1 | 600 | 0 | | | 50 | 50 | 50 | | .11 | |
| 1 | | | | | | | | | | |
| | 08DEC03 | 10:00:30 | | | | | | | | PAGE 3 |
| ET | | | 9.1 | | | | | | 1000 | 1058 |
| X1 | 700 | 0 | | | 100 | 100 | 100 | | .22 | |
| ET | | | 9.1 | | | | | | 1000 | 1058 |
| X1 | 800 | 0 | | | 100 | 100 | 100 | | .22 | |
| ET | | | 9.1 | | | | | | 1000 | 1058 |
| X1 | 900 | 0 | | | 100 | 100 | 100 | | .22 | |
| ET | | | 9.1 | | | | | | 1000 | 1058 |
| X1 | 1000 | 0 | | | 100 | 100 | 100 | | .22 | |
| ET | | | 9.1 | | | | | | 1000 | 1058 |
| X1 | 1100 | 0 | | | 100 | 100 | 100 | | .22 | |
| ET | | | 9.1 | | | | | | 1000 | 1058 |
| X1 | 1200 | 0 | | | 100 | 100 | 100 | | .22 | |
| ET | | | 9.1 | | | | | | 1000 | 1058 |
| X1 | 1300 | 0 | | | 100 | 100 | 100 | | .22 | |
| QT | 2 | 411 | 411 | | | | | | | |

Interior Channel HEC-2 Model
Proposed Conditions
City of Wichita Datum

ET 9.1 1000 1058

X1 1350 0 50 50 50 .11

ET 9.1 1000 1052

X1 1400 6 1000 1052 50 50 50 -1187.4
GR 1342.6 990 1342.4 1000 1338.4 1016 1338.4 1036 1342.4 1052
GR 1342.6 1062

i
08DEC03 10:00:30 PAGE 4

ET 9.1 1000 1052

X1 1450 0 50 50 50 .125

ET 9.1 1000 1052

X1 1500 0 50 50 50 .125

ET 9.1 1000 1052

X1 1600 0 100 100 100 .125

ET 9.1 1000 1052

X1 1700 0 100 100 100 .125

ET 9.1 1000 1052

X1 1800 0 100 100 100 .125

ET 9.1 1000 1052

X1 1827 0 27 27 27 .125

i
08DEC03 10:00:30 PAGE 5

| SECNO | DEPTH | CWSEL | CRWS | WSELK | EG | HV | HL | OLOSS | L-BANK ELEV |
|-------|-------|-------|-------|--------|------|-------|-------|--------|-------------|
| Q | QLOB | QCH | QROB | ALOB | ACH | AROB | VOL | TWA | R-BANK ELEV |
| TIME | VLOS | VCH | VROB | XNL | XNCH | XNR | WTN | SLMIN | SSTA |
| SLOPE | XLOBL | XLCH | XLOBR | ITRIAL | IDC | ICONF | CORAR | TOPWID | ENDST |

*PROF 1
0

: Interior Channel HEC-2 Model
Proposed Conditions
City of Wichita Datum

CCHV= .100 CEHV= .300

| | | | | | | | | | | |
|--------|---------|------|--------|-----|--------|--------|------|------|---------|---------|
| *SECNO | .000 | | | | | | | | | |
| | .000 | 3.80 | 151.30 | .00 | 151.30 | 151.79 | .49 | .00 | .00 | 154.50 |
| | 1250.0 | .0 | 1250.0 | .0 | .0 | 221.5 | .0 | .0 | .0 | 154.50 |
| | .00 | .00 | 5.64 | .00 | .000 | .030 | .000 | .000 | .147.50 | 1012.80 |
| | .002936 | 0. | 0. | 0. | 0 | 0 | 0 | .00 | 71.60 | 1084.40 |

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|--------|---------|------|--------|-----|------|--------|------|------|---------|---------|
| *SECNO | 50.000 | | | | | | | | | |
| | 50.000 | 3.80 | 151.45 | .00 | .00 | 151.94 | .49 | .15 | .00 | 154.65 |
| | 1250.0 | .0 | 1250.0 | .0 | .0 | 221.7 | .0 | .3 | .1 | 154.65 |
| | .00 | .00 | 5.64 | .00 | .000 | .030 | .000 | .000 | .147.65 | 1012.79 |
| | .002931 | 50. | 50. | 50. | 0 | 0 | 0 | .00 | 71.61 | 1084.41 |

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|--------|---------|------|--------|-----|------|--------|------|------|---------|---------|
| *SECNO | 100.000 | | | | | | | | | |
| | 100.000 | 3.80 | 151.59 | .00 | .00 | 152.09 | .49 | .15 | .00 | 154.79 |
| | 1250.0 | .0 | 1250.0 | .0 | .0 | 221.8 | .0 | .5 | .2 | 154.79 |
| | .00 | .00 | 5.64 | .00 | .000 | .030 | .000 | .000 | .147.79 | 1012.78 |
| | .002925 | 50. | 50. | 50. | 0 | 0 | 0 | .00 | 71.63 | 1084.41 |

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|--------|---------|------|--------|-----|------|--------|------|------|---------|---------|
| *SECNO | 150.000 | | | | | | | | | |
| | 150.000 | 3.81 | 151.74 | .00 | .00 | 152.23 | .49 | .15 | .00 | 154.94 |
| | 1250.0 | .0 | 1250.0 | .0 | .0 | 222.0 | .0 | .8 | .2 | 154.94 |
| | .01 | .00 | 5.63 | .00 | .000 | .030 | .000 | .000 | .147.94 | 1012.78 |
| | .002920 | 50. | 50. | 50. | 0 | 0 | 0 | .00 | 71.64 | 1084.42 |

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|--------|---------|------|--------|-----|------|--------|------|------|---------|---------|
| *SECNO | 200.000 | | | | | | | | | |
| | 200.000 | 3.81 | 151.89 | .00 | .00 | 152.38 | .49 | .15 | .00 | 155.08 |
| | 1250.0 | .0 | 1250.0 | .0 | .0 | 222.1 | .0 | 1.0 | .3 | 155.08 |
| | .01 | .00 | 5.63 | .00 | .000 | .030 | .000 | .000 | .148.08 | 1012.77 |
| | .002916 | 50. | 50. | 50. | 0 | 0 | 0 | .00 | 71.65 | 1084.42 |

| | | | | | | | | | | |
|--------|---------|------|--------|-----|------|--------|------|------|---------|---------|
| *SECNO | 250.000 | | | | | | | | | |
| | 250.000 | 3.81 | 152.03 | .00 | .00 | 152.53 | .49 | .15 | .00 | 155.23 |
| | 1250.0 | .0 | 1250.0 | .0 | .0 | 222.1 | .0 | 1.3 | .4 | 155.23 |
| | .01 | .00 | 5.63 | .00 | .000 | .030 | .000 | .000 | .148.23 | 1012.77 |
| | .002913 | 50. | 50. | 50. | 0 | 0 | 0 | .00 | 71.66 | 1084.43 |

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08DEC03 10:00:30

PAGE 6

| SECNO | DEPTH | CWSEL | CRISW | WSELK | EG | HV | HL | OLOSS | L-BANK ELEV |
|-------|-------|-------|-------|--------|------|-------|-------|--------|-------------|
| Q | QLOB | QCH | QROB | ALOB | ACH | AROB | VOL | TWA | R-BANK ELEV |
| TIME | VLOB | VCH | VROB | XNL | XNCH | XNR | WTN | ELMIN | SSTA |
| SLOPE | XLOBL | XLCH | XLOBR | ITRIAL | IDC | ICONT | CORAR | TOPWID | ENDST |

| | | | | | | | | | | |
|--------|---------|------|--------|-----|------|--------|------|------|---------|---------|
| *SECNO | 300.000 | | | | | | | | | |
| | 300.000 | 3.81 | 152.18 | .00 | .00 | 152.67 | .49 | .15 | .00 | 155.37 |
| | 1250.0 | .0 | 1250.0 | .0 | .0 | 222.2 | .0 | 1.5 | .5 | 155.37 |
| | .01 | .00 | 5.63 | .00 | .000 | .030 | .000 | .000 | .148.37 | 1012.76 |
| | .002910 | 50. | 50. | 50. | 0 | 0 | 0 | .00 | 71.67 | 1084.43 |

Interior Channel HEC-2 Model
Proposed Conditions
City of Wichita Datum

*SECNO 350.000

| | | | | | | | | | |
|---------|------|--------|-----|------|--------|------|------|--------|---------|
| 350.000 | 3.81 | 152.33 | .00 | .00 | 152.82 | .49 | .15 | .00 | 155.52 |
| 1250.0 | .0 | 1250.0 | .0 | .0 | 222.3 | .0 | 1.8 | .6 | 155.52 |
| .02 | .00 | 5.62 | .00 | .000 | .030 | .000 | .000 | 148.52 | 1012.76 |
| .002908 | 50. | 50. | 50. | 0 | 0 | 0 | .00 | 71.67 | 1084.43 |

*SECNO 400.000

| | | | | | | | | | |
|---------|------|--------|-----|------|--------|------|------|--------|---------|
| 400.000 | 3.81 | 152.47 | .00 | .00 | 152.96 | .49 | .15 | .00 | 155.66 |
| 1250.0 | .0 | 1250.0 | .0 | .0 | 222.3 | .0 | 2.0 | .7 | 155.66 |
| .02 | .00 | 5.62 | .00 | .000 | .030 | .000 | .000 | 148.66 | 1012.76 |
| .002906 | 50. | 50. | 50. | 0 | 0 | 0 | .00 | 71.68 | 1084.43 |

*SECNO 450.000

| | | | | | | | | | |
|---------|------|--------|-----|------|--------|------|------|--------|---------|
| 450.000 | 3.81 | 152.62 | .00 | .00 | 153.11 | .49 | .15 | .00 | 155.81 |
| 1250.0 | .0 | 1250.0 | .0 | .0 | 222.3 | .0 | 2.3 | .7 | 155.81 |
| .02 | .00 | 5.62 | .00 | .000 | .030 | .000 | .000 | 148.81 | 1012.76 |
| .002905 | 50. | 50. | 50. | 0 | 0 | 0 | .00 | 71.68 | 1084.43 |

*SECNO 500.000

| | | | | | | | | | |
|---------|------|--------|-----|------|--------|------|------|--------|---------|
| 500.000 | 3.81 | 152.76 | .00 | .00 | 153.25 | .49 | .15 | .00 | 155.95 |
| 1250.0 | .0 | 1250.0 | .0 | .0 | 222.4 | .0 | 2.5 | .8 | 155.95 |
| .02 | .00 | 5.62 | .00 | .000 | .030 | .000 | .000 | 148.95 | 1012.75 |
| .002904 | 50. | 50. | 50. | 0 | 0 | 0 | .00 | 71.68 | 1084.43 |

*SECNO 550.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .43

| | | | | | | | | | |
|---------|------|--------|-----|------|--------|------|------|--------|---------|
| 550.000 | 3.38 | 152.48 | .00 | .00 | 153.69 | 1.21 | .22 | .21 | 155.10 |
| 960.0 | .0 | 960.0 | .0 | .0 | 108.9 | .0 | 2.7 | .9 | 155.10 |
| .03 | .00 | 8.81 | .00 | .000 | .030 | .000 | .000 | 149.10 | 1007.84 |
| .009287 | 50. | 50. | 50. | 3 | 0 | 0 | .00 | 42.32 | 1050.16 |

1

08DEC03 10:00:30

PAGE 7

| | | | | | | | | | |
|-------|-------|-------|-------|--------|------|-------|-------|--------|-------------|
| SECNO | DEPTH | CWSEL | CRWS | WSELK | EG | HV | HL | OLOSS | L-BANK ELEV |
| Q | QLOB | QCH | QROB | ALOB | ACH | AROB | VOL | TWA | R-BANK ELEV |
| TIME | VLOB | VCH | VROB | XNL | XNCH | XNR | WTN | ELMIN | SSTA |
| SLOPE | XLOBL | KLCH | XLOBR | ITRIAL | IDC | ICONT | CORAR | TOPWID | ENDST |

*SECNO 600.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.45

| | | | | | | | | | |
|---------|------|--------|-----|-----|--------|-----|-----|-----|--------|
| 600.000 | 4.13 | 153.34 | .00 | .00 | 154.05 | .71 | .31 | .05 | 155.21 |
|---------|------|--------|-----|-----|--------|-----|-----|-----|--------|

Interior Channel HEC-2 Model

Proposed Conditions

City of Wichita Datum

| | | | | | | | | | |
|---------|-----|-------|-----|------|-------|------|------|--------|---------|
| 960.0 | .0 | 960.0 | .0 | .0 | 141.9 | .0 | 2.9 | .9 | 155.21 |
| .03 | .00 | 6.77 | .00 | .000 | .030 | .000 | .000 | 149.21 | 1005.62 |
| .004412 | 50. | 50. | 50. | .4 | 0 | 0 | .00 | 46.76 | 1052.38 |

*SECNO 700.000

| | | | | | | | | | |
|---------|------|--------|------|------|--------|------|------|--------|---------|
| 700.000 | 4.43 | 153.86 | .00 | .00 | 154.44 | .59 | .38 | .01 | 155.43 |
| 960.0 | .0 | 960.0 | .0 | .0 | 156.3 | .0 | 3.2 | 1.0 | 155.43 |
| .03 | .00 | 6.14 | .00 | .000 | .030 | .000 | .000 | 149.43 | 1004.71 |
| .003363 | 100. | 100. | 100. | 2 | 0 | 0 | .00 | 48.58 | 1053.29 |

*SECNO 800.000

| | | | | | | | | | |
|---------|------|--------|------|------|--------|------|------|--------|---------|
| 800.000 | 4.58 | 154.23 | .00 | .00 | 154.76 | .53 | .31 | .01 | 155.65 |
| 960.0 | .0 | 960.0 | .0 | .0 | 164.2 | .0 | 3.6 | 1.2 | 155.65 |
| .04 | .00 | 5.85 | .00 | .000 | .030 | .000 | .000 | 149.65 | 1004.23 |
| .002933 | 100. | 100. | 100. | 1 | 0 | 0 | .00 | 49.54 | 1053.77 |

*SECNO 900.000

| | | | | | | | | | |
|---------|------|--------|------|------|--------|------|------|--------|---------|
| 900.000 | 4.67 | 154.54 | .00 | .00 | 155.05 | .50 | .28 | .00 | 155.87 |
| 960.0 | .0 | 960.0 | .0 | .0 | 168.5 | .0 | 4.0 | 1.3 | 155.87 |
| .04 | .00 | 5.70 | .00 | .000 | .030 | .000 | .000 | 149.87 | 1003.97 |
| .002728 | 100. | 100. | 100. | 0 | 0 | 0 | .00 | 50.06 | 1054.03 |

*SECNO 1000.000

| | | | | | | | | | |
|----------|------|--------|------|------|--------|------|------|--------|---------|
| 1000.000 | 4.74 | 154.83 | .00 | .00 | 155.32 | .49 | .27 | .00 | 156.09 |
| 960.0 | .0 | 960.0 | .0 | .0 | 171.6 | .0 | 4.4 | 1.4 | 156.09 |
| .05 | .00 | 5.60 | .00 | .000 | .030 | .000 | .000 | 150.09 | 1003.79 |
| .002596 | 100. | 100. | 100. | 0 | 0 | 0 | .00 | 50.43 | 1054.21 |

*SECNO 1100.000

| | | | | | | | | | |
|----------|------|--------|------|------|--------|------|------|--------|---------|
| 1100.000 | 4.79 | 155.10 | .00 | .00 | 155.57 | .47 | .25 | .00 | 156.31 |
| 960.0 | .0 | 960.0 | .0 | .0 | 174.0 | .0 | 4.8 | 1.5 | 156.31 |
| .05 | .00 | 5.52 | .00 | .000 | .030 | .000 | .000 | 150.31 | 1003.64 |
| .002495 | 100. | 100. | 100. | 0 | 0 | 0 | .00 | 50.72 | 1054.36 |

1

08DEC03 10:00:30

PAGE 8

| SECNO | DEPTH | CHSEL | CRWS | WSELK | EG | HV | HL | GLOSS | L-BANK ELEV |
|-------|-------|-------|-------|--------|------|-------|-------|--------|-------------|
| Q | QLOB | QCH | QROB | ALOB | ACH | AROB | VOL | TWA | R-BANK ELEV |
| TIME | VLOB | VCH | VROB | XNL | XNCH | XNR | WTN | ELMIN | SSTA |
| SLOPE | XLOBL | XLCH | XLOBR | ITRIAL | IDC | ICONT | CORAR | TOPWID | ENDST |

*SECNO 1200.000

| | | | | | | | | | |
|----------|------|--------|------|------|--------|------|------|--------|---------|
| 1200.000 | 4.83 | 155.36 | .00 | .00 | 155.82 | .46 | .25 | .00 | 156.53 |
| 960.0 | .0 | 960.0 | .0 | .0 | 175.9 | .0 | 5.2 | 1.6 | 156.53 |
| .06 | .00 | 5.46 | .00 | .000 | .030 | .000 | .000 | 150.53 | 1003.53 |
| .002420 | 100. | 100. | 100. | 0 | 0 | 0 | .00 | 50.94 | 1054.47 |

*SECNO 1300.000

Interior Channel HEC-2 Model
Proposed Conditions
City of Wichita Datum

| | | | | | | | | | |
|----------|------|--------|------|------|--------|------|------|--------|---------|
| 1300.000 | 4.85 | 155.60 | .00 | .00 | 156.06 | .45 | .24 | .00 | 156.75 |
| 960.0 | .0 | 960.0 | .0 | .0 | 177.4 | .0 | 5.6 | 1.7 | 156.75 |
| .06 | .00 | 5.41 | .00 | .000 | .030 | .000 | .000 | 150.75 | 1003.44 |
| .002366 | 100. | 100. | 100. | 0 | 0 | 0 | .00 | 51.11 | 1054.56 |

*SECNO 1350.000

| | | | | | | | | | |
|----------|------|--------|-----|------|--------|------|------|--------|---------|
| 1350.000 | 5.22 | 156.08 | .00 | .00 | 156.15 | .07 | .05 | .04 | 156.86 |
| 411.0 | .0 | 411.0 | .0 | .0 | 196.7 | .0 | 5.8 | 1.8 | 156.86 |
| .07 | .00 | 2.09 | .00 | .000 | .030 | .000 | .000 | 150.86 | 1002.33 |
| .000325 | 50. | 50. | 50. | 2 | 0 | 0 | .00 | 53.34 | 1055.67 |

*SECNO 1400.000

3280 CROSS SECTION 1400.00 EXTENDED .91 FEET

| | | | | | | | | | |
|----------|------|--------|-----|------|--------|------|------|--------|---------|
| 1400.000 | 5.11 | 156.11 | .00 | .00 | 156.17 | .06 | .01 | .00 | 155.00 |
| 411.0 | 7.7 | 395.6 | 7.7 | 10.1 | 201.6 | 10.1 | 6.0 | 1.9 | 155.00 |
| .08 | .76 | 1.96 | .76 | .030 | .030 | .030 | .000 | 151.00 | 990.00 |
| .000264 | 50. | 50. | 50. | 2 | 0 | 0 | .00 | 72.00 | 1062.00 |

*SECNO 1450.000

3280 CROSS SECTION 1450.00 EXTENDED .80 FEET

| | | | | | | | | | |
|----------|------|--------|-----|------|--------|------|------|--------|---------|
| 1450.000 | 4.99 | 156.12 | .00 | .00 | 156.18 | .06 | .01 | .00 | 155.13 |
| 411.0 | 6.7 | 397.5 | 6.7 | 9.0 | 195.8 | 9.0 | 6.3 | 2.0 | 155.13 |
| .08 | .75 | 2.03 | .75 | .030 | .030 | .030 | .000 | 151.13 | 990.00 |
| .000294 | 50. | 50. | 50. | 0 | 0 | 0 | .00 | 72.00 | 1062.00 |

*SECNO 1500.000

3280 CROSS SECTION 1500.00 EXTENDED .68 FEET

| | | | | | | | | | |
|----------|------|--------|-----|------|--------|------|------|--------|---------|
| 1500.000 | 4.88 | 156.13 | .00 | .00 | 156.20 | .07 | .02 | .00 | 155.25 |
| 411.0 | 5.7 | 399.6 | 5.7 | 7.8 | 189.9 | 7.8 | 6.5 | 2.0 | 155.25 |
| .09 | .73 | 2.10 | .73 | .030 | .030 | .030 | .000 | 151.25 | 990.00 |
| .000329 | 50. | 50. | 50. | 0 | 0 | 0 | .00 | 72.00 | 1062.00 |

1

08DEC03 10:00:30

PAGE 9

| SECNO | DEPTH | CWSEL | CRWS | WSELK | EG | HV | HL | CLOSS | L-BANK ELEV |
|-------|-------|-------|-------|--------|------|-------|-------|--------|-------------|
| Q | QLOB | QCH | QROB | ALOB | ACH | AROB | VOL | TWA | R-BANK ELEV |
| TIME | VLOB | VCH | VROB | XNL | XNCH | XNR | WTN | ELMIN | SSTA |
| SLOPE | XLOBL | XLCH | XLOBR | ITRIAL | IDC | ICONT | CORAR | TOPWID | ENDST |

*SECNO 1600.000

3280 CROSS SECTION 1600.00 EXTENDED .59 FEET

| | | | | | | | | | |
|----------|------|--------|------|------|--------|------|------|--------|---------|
| 1600.000 | 4.79 | 156.16 | .00 | .00 | 156.23 | .07 | .03 | .00 | 155.38 |
| 411.0 | 4.9 | 401.3 | 4.9 | 6.9 | 184.9 | 6.9 | 7.0 | 2.2 | 155.38 |
| .10 | .71 | 2.17 | .71 | .030 | .030 | .030 | .000 | 151.38 | 990.00 |
| .000363 | 100. | 100. | 100. | 0 | 0 | 0 | .00 | 72.00 | 1062.00 |

Interior Channel HEC-2 Model
Proposed Conditions
City of Wichita Datum

*SECNO 1700.000

3280 CROSS SECTION 1700.00 EXTENDED .50 FEET

| | | | | | | | | | |
|----------|------|--------|------|------|--------|------|------|--------|---------|
| 1700.000 | 4.70 | 156.20 | .00 | .00 | 156.27 | .08 | .04 | .00 | 155.50 |
| 411.0 | 4.0 | 402.9 | 4.0 | 5.0 | 180.2 | 6.0 | 7.4 | 2.4 | 155.50 |
| .12 | .68 | 2.24 | .68 | .030 | .030 | .030 | .000 | 151.50 | 990.00 |
| .000398 | 100. | 100. | 100. | 0 | 0 | 0 | .00 | 72.00 | 1062.00 |

*SECNO 1800.000

3280 CROSS SECTION 1800.00 EXTENDED .41 FEET

| | | | | | | | | | |
|----------|------|--------|------|------|--------|------|------|--------|---------|
| 1800.000 | 4.61 | 156.23 | .00 | .00 | 156.32 | .08 | .04 | .00 | 155.63 |
| 411.0 | 3.3 | 404.5 | 3.3 | 5.1 | 175.7 | 5.1 | 7.9 | 2.5 | 155.63 |
| .13 | .64 | 2.30 | .64 | .030 | .030 | .030 | .000 | 151.63 | 990.00 |
| .000437 | 100. | 100. | 100. | 0 | 0 | 0 | .00 | 72.00 | 1062.00 |

*SECNO 1827.000

3280 CROSS SECTION 1827.00 EXTENDED .30 FEET

| | | | | | | | | | |
|----------|------|--------|-----|------|--------|------|------|--------|---------|
| 1827.000 | 4.49 | 156.24 | .00 | .00 | 156.33 | .09 | .01 | .00 | 155.75 |
| 411.0 | 2.3 | 406.4 | 2.3 | 4.0 | 169.8 | 4.0 | 8.0 | 2.6 | 155.75 |
| .13 | .58 | 2.39 | .58 | .030 | .030 | .030 | .000 | 151.75 | 990.00 |
| .000494 | 27. | 27. | 27. | 0 | 0 | 0 | .00 | 72.00 | 1062.00 |

1

08DEC03 10:00:30

PAGE 10

T1 SEDGWICK COUNTY FIS
T2 100-YR FREQUENCY FLOODWAY PROFILE
T3 INTERIOR CHANNEL
T4 FILE: CHAN_CD.IH2

| J1 | ICHECK | INQ | NINV | IDIR | STRT | METRIC | HVINS | Q | WSEL | FQ |
|----|--------|-------|-------|-------|-------|--------|-------|-----|-------|--------|
| | -10 | 3 | 0 | 0 | 0 | 0 | .0 | 0 | 152.3 | .0 |
| J2 | NPROP | IPLOT | PRFVS | XSECV | XSECH | FN | ALLOD | IBW | CHNIM | ITRACE |
| | 15 | 0 | -1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

1

08DEC03 10:00:30

PAGE 11

| SECNO | DEPTH | CHSEL | CRITS | WSELK | EG | EV | HL | GLOSS | L-BANK ELEV |
|-------|-------|-------|-------|--------|------|-------|-------|--------|-------------|
| Q | QLOB | QCH | QROB | ALOB | ACH | AROB | VOL | TWA | R-BANK ELEV |
| TIME | VLOB | VCH | VROB | XNL | XNCH | XNR | WTN | ELMIN | SSTA |
| SLOPE | XLOBL | XLCH | XLOBR | ITRIAL | IDC | ICONT | CORAR | TOPWID | ENDST |

Interior Channel HEC-2 Model
Proposed Conditions
City of Wichita Datum

*PROF 2

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| | | | | | | | | | | |
|--------|---------|-------|--------|-----|--------|--------|------|------|--------|---------|
| CCHV= | .100 | CEHV= | .300 | | | | | | | |
| *SECNO | .000 | | | | | | | | | |
| | .000 | 4.80 | 152.30 | .00 | 152.30 | 152.58 | .28 | .00 | .00 | 154.50 |
| | 1250.0 | .0 | 1250.0 | .0 | .0 | 296.6 | .0 | .0 | .0 | 154.50 |
| | .00 | .00 | 4.21 | .00 | .000 | .030 | .000 | .000 | 147.50 | 1008.80 |
| | .001260 | 0. | 0. | 0. | 0 | 0 | 0 | .00 | 78.60 | 1087.40 |

*SECNO 50.000

| | | | | | | | | | | |
|-----------------------------|--------|--------|-------|--------|---------|--------|------|--------|-----------|--|
| 3470 ENCROACHMENT STATIONS= | 1000.0 | 1094.0 | TYPE= | 1 | TARGET= | 94.000 | | | | |
| 50.000 | 4.71 | 152.36 | .00 | 151.45 | 152.64 | .29 | .07 | .00 | 154.65 | |
| 1250.0 | .0 | 1250.0 | .0 | .0 | 290.2 | .0 | .3 | .1 | 100000.00 | |
| .00 | .00 | 4.31 | .00 | .000 | .030 | .000 | .000 | 147.65 | 1009.13 | |
| .001342 | 50. | 50. | 50. | 0 | 0 | 0 | .00 | 78.03 | 1087.15 | |

*SECNO 100.000

| | | | | | | | | | | |
|-----------------------------|--------|--------|-------|--------|---------|--------|------|--------|-----------|--|
| 3470 ENCROACHMENT STATIONS= | 1000.0 | 1094.0 | TYPE= | 1 | TARGET= | 94.000 | | | | |
| 100.000 | 4.63 | 152.42 | .00 | 151.59 | 152.72 | .30 | .07 | .00 | 154.79 | |
| 1250.0 | .0 | 1250.0 | .0 | .0 | 283.5 | .0 | .7 | .2 | 100000.00 | |
| .01 | .00 | 4.41 | .00 | .000 | .030 | .000 | .000 | 147.79 | 1009.47 | |
| .001436 | 50. | 50. | 50. | 0 | 0 | 0 | .00 | 77.42 | 1086.89 | |

*SECNO 150.000

| | | | | | | | | | | |
|-----------------------------|--------|--------|-------|--------|---------|--------|------|--------|-----------|--|
| 3470 ENCROACHMENT STATIONS= | 1000.0 | 1094.0 | TYPE= | 1 | TARGET= | 94.000 | | | | |
| 150.000 | 4.55 | 152.48 | .00 | 151.74 | 152.80 | .32 | .07 | .00 | 154.94 | |
| 1250.0 | .0 | 1250.0 | .0 | .0 | 277.2 | .0 | 1.0 | .3 | 100000.00 | |
| .01 | .00 | 4.51 | .00 | .000 | .030 | .000 | .000 | 147.94 | 1009.80 | |
| .001531 | 50. | 50. | 50. | 0 | 0 | 0 | .00 | 76.85 | 1086.65 | |

*SECNO 200.000

| | | | | | | | | | | |
|-----------------------------|--------|--------|-------|--------|---------|--------|------|--------|-----------|--|
| 3470 ENCROACHMENT STATIONS= | 1000.0 | 1094.0 | TYPE= | 1 | TARGET= | 94.000 | | | | |
| 200.000 | 4.47 | 152.55 | .00 | 151.89 | 152.88 | .33 | .08 | .00 | 155.08 | |
| 1250.0 | .0 | 1250.0 | .0 | .0 | 271.4 | .0 | 1.3 | .4 | 100000.00 | |
| .01 | .00 | 4.61 | .00 | .000 | .030 | .000 | .000 | 149.08 | 1010.10 | |
| .001628 | 50. | 50. | 50. | 0 | 0 | 0 | .00 | 76.32 | 1086.42 | |

1

08DEC03 10:00:30

PAGE 12

| | | | | | | | | | |
|-------|-------|-------|-------|--------|------|-------|-------|--------|-------------|
| SECNO | DEPTH | CWSEL | CRIWS | WSELK | EG | HV | HL | OLOSS | L-BANK ELEV |
| Q | QLOB | QCH | QROB | ALOB | ACH | AROB | VOL | TWA | R-BANK ELEV |
| TIME | VLOB | VCH | VROB | XNL | XNCH | XNR | WTN | ELMIN | SSTA |
| SLOPE | XLOBL | XLCH | XLOBR | ITRIAL | IDC | ICONT | CORAR | TOPWID | ENDST |

*SECNO 250.000

. Interior Channel HEC-2 Model
Proposed Conditions
City of Wichita Datum

| 3470 ENCROACHMENT STATIONS= | 1000.0 | 1094.0 | TYPE= | 1 | TARGET= | 94.000 | | | |
|-----------------------------|--------|--------|-------|--------|---------|--------|------|--------|-----------|
| 250.000 | 4.40 | 152.62 | .00 | 152.03 | 152.97 | .34 | .08 | .00 | 155.23 |
| 1250.0 | .0 | 1250.0 | .0 | .0 | 266.1 | .0 | 1.6 | .4 | 100000.00 |
| .02 | .00 | 4.70 | .00 | .000 | .030 | .000 | .000 | 148.23 | 1010.38 |
| .001725 | 50. | 50. | 50. | 0 | 0 | 0 | .00 | 75.83 | 1086.21 |

*SECNO 300.000

| 3470 ENCROACHMENT STATIONS= | 1000.0 | 1094.0 | TYPE= | 1 | TARGET= | 94.000 | | | |
|-----------------------------|--------|--------|-------|--------|---------|--------|------|--------|-----------|
| 300.000 | 4.33 | 152.70 | .00 | 152.18 | 153.06 | .36 | .09 | .00 | 155.37 |
| 1250.0 | .0 | 1250.0 | .0 | .0 | 261.1 | .0 | 1.9 | .5 | 100000.00 |
| .02 | .00 | 4.79 | .00 | .000 | .030 | .000 | .000 | 148.37 | 1010.65 |
| .001821 | 50. | 50. | 50. | 0 | 0 | 0 | .00 | 75.37 | 1086.01 |

*SECNO 350.000

| 3470 ENCROACHMENT STATIONS= | 1000.0 | 1094.0 | TYPE= | 1 | TARGET= | 94.000 | | | |
|-----------------------------|--------|--------|-------|--------|---------|--------|------|--------|-----------|
| 350.000 | 4.27 | 152.79 | .00 | 152.33 | 153.16 | .37 | .09 | .00 | 155.52 |
| 1250.0 | .0 | 1250.0 | .0 | .0 | 256.5 | .0 | 2.2 | .6 | 100000.00 |
| .02 | .00 | 4.87 | .00 | .000 | .030 | .000 | .000 | 148.52 | 1010.89 |
| .001917 | 50. | 50. | 50. | 0 | 0 | 0 | .00 | 74.94 | 1085.83 |

*SECNO 400.000

| 3470 ENCROACHMENT STATIONS= | 1000.0 | 1094.0 | TYPE= | 1 | TARGET= | 94.000 | | | |
|-----------------------------|--------|--------|-------|--------|---------|--------|------|--------|-----------|
| 400.000 | 4.22 | 152.88 | .00 | 152.47 | 153.26 | .38 | .10 | .00 | 155.66 |
| 1250.0 | .0 | 1250.0 | .0 | .0 | 252.3 | .0 | 2.5 | .7 | 100000.00 |
| .02 | .00 | 4.95 | .00 | .000 | .030 | .000 | .000 | 148.66 | 1011.11 |
| .002010 | 50. | 50. | 50. | 0 | 0 | 0 | .00 | 74.55 | 1085.66 |

*SECNO 450.000

| 3470 ENCROACHMENT STATIONS= | 1000.0 | 1094.0 | TYPE= | 1 | TARGET= | 94.000 | | | |
|-----------------------------|--------|--------|-------|--------|---------|--------|------|--------|-----------|
| 450.000 | 4.17 | 152.97 | .00 | 152.62 | 153.36 | .39 | .10 | .00 | 155.81 |
| 1250.0 | .0 | 1250.0 | .0 | .0 | 248.6 | .0 | 2.8 | .8 | 100000.00 |
| .03 | .00 | 5.03 | .00 | .000 | .030 | .000 | .000 | 148.81 | 1011.32 |
| .002100 | 50. | 50. | 50. | 0 | 0 | 0 | .00 | 74.20 | 1085.51 |

1

08DEC03 10:00:30

-PAGE 13

| SECNO | DEPTH | CWSEL | CRISW | WSELK | EG | HV | HL | OLOSS | L-BANK ELEV |
|-------|-------|-------|-------|--------|------|-------|-------|--------|-------------|
| Q | QLOB | QCH | QROB | ALOB | ACH | AROB | VOL | TWA | R-BANK ELEV |
| TIME | VLOB | VCH | VROB | XNL | XNCH | XNR | WTN | ELMIN | SSTA |
| SLOPE | XLOBL | XLCH | XLOBR | ITRIAL | IDC | ICONT | CORAR | TOPWID | ENDST |

*SECNO 500.000

| 3470 ENCROACHMENT STATIONS= | 1000.0 | 1094.0 | TYPE= | 1 | TARGET= | 94.000 | | | |
|-----------------------------|--------|--------|-------|--------|---------|--------|-----|-----|--------|
| 500.000 | 4.12 | 153.07 | .00 | 152.76 | 153.48 | .40 | .11 | .00 | 155.95 |

Interior Channel HEC-2 Model
Proposed Conditions
City of Wichita Datum

| | | | | | | | | | |
|---------|-----|--------|-----|------|-------|------|------|--------|----------|
| 1250.0 | .0 | 1250.0 | .0 | .0 | 245.2 | .0 | 3.1 | .9 | 10000.00 |
| .03 | .00 | 5.10 | .00 | .000 | .030 | .000 | .000 | 148.95 | 1011.50 |
| .002186 | 50. | 50. | 50. | 0 | 0 | 0 | .00 | 73.87 | 1085.37 |

*SECNO 550.000

3280 CROSS SECTION 550.00 EXTENDED 1185.00 FEET

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .46

| | | | | | | | | | |
|-----------------------------|--------|--------|-------|--------|---------|--------|------|--------|-----------|
| 3470 ENCROACHMENT STATIONS= | 1000.0 | 1058.0 | TYPE= | 1 | TARGET= | 58.000 | | | |
| 550.000 | 3.79 | 152.89 | .00 | 152.48 | 153.78 | .89 | .16 | .15 | 155.10 |
| 960.0 | .0 | 960.0 | .0 | .0 | 127.0 | .0 | 3.3 | .9 | 100000.00 |
| .03 | .00 | 7.56 | .00 | .000 | .030 | .000 | .000 | 149.10 | 1006.60 |
| .006027 | 50. | 50. | 50. | 2 | 0 | 0 | .00 | 44.80 | 1051.40 |

*SECNO 600.000

3280 CROSS SECTION 600.00 EXTENDED 1185.34 FEET

| | | | | | | | | | |
|-----------------------------|--------|--------|-------|--------|---------|--------|------|--------|-----------|
| 3470 ENCROACHMENT STATIONS= | 1000.0 | 1058.0 | TYPE= | 1 | TARGET= | 58.000 | | | |
| 600.000 | 4.14 | 153.35 | .00 | 153.34 | 154.05 | .71 | .26 | .02 | 155.21 |
| 960.0 | .0 | 960.0 | .0 | .0 | 142.3 | .0 | 3.4 | 1.0 | 100000.00 |
| .03 | .00 | 6.75 | .00 | .000 | .030 | .000 | .000 | 149.21 | 1005.59 |
| .004372 | 50. | 50. | 50. | 3 | 0 | 0 | .00 | 46.82 | 1052.41 |

*SECNO 700.000

| | | | | | | | | | |
|-----------------------------|--------|--------|-------|--------|---------|--------|------|--------|-----------|
| 3470 ENCROACHMENT STATIONS= | 1000.0 | 1058.0 | TYPE= | 1 | TARGET= | 58.000 | | | |
| 700.000 | 4.43 | 153.86 | .00 | 153.86 | 154.45 | .58 | .38 | .01 | 155.43 |
| 960.0 | .0 | 960.0 | .0 | .0 | 156.7 | .0 | 3.8 | 1.1 | 100000.00 |
| .04 | .00 | 6.13 | .00 | .000 | .030 | .000 | .000 | 149.43 | 1004.69 |
| .003343 | 100. | 100. | 100. | 0 | 0 | 0 | .00 | 48.62 | 1053.31 |

1

08DEC03 10:00:30

PAGE 14

| | | | | | | | | | |
|-------|-------|-------|-------|--------|------|-------|-------|--------|-------------|
| SECNO | DEPTH | CWSEL | CRWS | WSELK | EG | HV | HL | OLOSS | L-BANK ELEV |
| Q | QLOB | QCH | QROB | ALOB | ACH | AROB | VOL | TWA | R-BANK ELEV |
| TIME | VLOB | VCH | VROB | XNL | XNCH | XNR | WTN | ELMIN | SSTA |
| SLOPE | XLOBL | XLCH | XLOBR | ITRIAL | IDC | ICONT | CORAR | TOPWID | ENDST |

*SECNO 800.000

| | | | | | | | | | |
|-----------------------------|--------|--------|-------|--------|---------|--------|------|--------|-----------|
| 3470 ENCROACHMENT STATIONS= | 1000.0 | 1058.0 | TYPE= | 1 | TARGET= | 58.000 | | | |
| 800.000 | 4.58 | 154.23 | .00 | 154.23 | 154.76 | .53 | .31 | .01 | 155.65 |
| 960.0 | .0 | 960.0 | .0 | .0 | 164.3 | .0 | 4.2 | 1.2 | 100000.00 |
| .04 | .00 | 5.34 | .00 | .000 | .030 | .000 | .000 | 149.65 | 1004.22 |
| .002928 | 100. | 100. | 100. | 1 | 0 | 0 | .00 | 49.55 | 1053.78 |

Interior Channel HEC-2 Model
Proposed Conditions
City of Wichita Datum

*SECNO 900.000

| 3470 ENCROACHMENT STATIONS= | 1000.0 | 1058.0 | TYPE= | 1 | TARGET= | 58.000 | | | |
|-----------------------------|--------|--------|-------|--------|---------|--------|------|--------|-----------|
| 900.000 | 4.68 | 154.55 | .00 | 154.54 | 155.05 | .50 | .28 | .00 | 155.87 |
| 960.0 | .0 | 960.0 | .0 | .0 | 168.5 | .0 | 4.5 | 1.3 | 100000.00 |
| .05 | .00 | 5.70 | .00 | .000 | .030 | .000 | .000 | 149.87 | 1003.97 |
| .002727 | 100. | 100. | 100. | 0 | 0 | 0 | .00 | 50.06 | 1054.03 |

*SECNO 1000.000

| 3470 ENCROACHMENT STATIONS= | 1000.0 | 1058.0 | TYPE= | 1 | TARGET= | 58.000 | | | |
|-----------------------------|--------|--------|-------|--------|---------|--------|------|--------|-----------|
| 1000.000 | 4.74 | 154.83 | .00 | 154.83 | 155.32 | .49 | .27 | .00 | 156.09 |
| 960.0 | .0 | 960.0 | .0 | .0 | 171.6 | .0 | 4.9 | 1.4 | 100000.00 |
| .05 | .00 | 5.59 | .00 | .000 | .030 | .000 | .000 | 150.09 | 1003.79 |
| .002594 | 100. | 100. | 100. | 0 | 0 | 0 | .00 | 50.43 | 1054.21 |

*SECNO 1100.000

| 3470 ENCROACHMENT STATIONS= | 1000.0 | 1058.0 | TYPE= | 1 | TARGET= | 58.000 | | | |
|-----------------------------|--------|--------|-------|--------|---------|--------|------|--------|-----------|
| 1100.000 | 4.79 | 155.10 | .00 | 155.10 | 155.57 | .47 | .25 | .00 | 156.31 |
| 960.0 | .0 | 960.0 | .0 | .0 | 174.1 | .0 | 5.3 | 1.6 | 100000.00 |
| .06 | .00 | 5.52 | .00 | .000 | .030 | .000 | .000 | 150.31 | 1003.64 |
| .002493 | 100. | 100. | 100. | 0 | 0 | 0 | .00 | 50.72 | 1054.36 |

*SECNO 1200.000

| 3470 ENCROACHMENT STATIONS= | 1000.0 | 1058.0 | TYPE= | 1 | TARGET= | 58.000 | | | |
|-----------------------------|--------|--------|-------|--------|---------|--------|------|--------|-----------|
| 1200.000 | 4.83 | 155.36 | .00 | 155.36 | 155.82 | .46 | .25 | .00 | 156.53 |
| 960.0 | .0 | 960.0 | .0 | .0 | 176.0 | .0 | 5.7 | 1.7 | 100000.00 |
| .06 | .00 | 5.46 | .00 | .000 | .030 | .000 | .000 | 150.53 | 1003.53 |
| .002419 | 100. | 100. | 100. | 0 | 0 | 0 | .00 | 50.95 | 1054.47 |

1

08DEC03 10:00:30

PAGE 15

| SECNO | DEPTH | CWSEL | CRWS | WSELK | EG | HV | HL | OLOSS | L-BANK ELEV |
|-------|-------|-------|-------|--------|------|-------|-------|--------|-------------|
| Q | QLOB | QCH | QROB | ALOB | ACH | AROB | VOL | TWA | R-BANK ELEV |
| TIME | VLOB | VCH | VROB | XNL | XNCH | XNR | WTN | ELMIN | SSTA |
| SLOPE | XLOBL | XLCH | XLOBR | ITRIAL | IDC | ICONT | CORAR | TOPWID | ENDST |

*SECNO.1300.000

| 3470 ENCROACHMENT STATIONS= | 1000.0 | 1058.0 | TYPE= | 1 | TARGET= | 58.000 | | | |
|-----------------------------|--------|--------|-------|--------|---------|--------|------|--------|-----------|
| 1300.000 | 4.85 | 155.60 | .00 | 155.60 | 156.06 | .45 | .24 | .00 | 156.75 |
| 960.0 | .0 | 960.0 | .0 | .0 | 177.4 | .0 | 6.1 | 1.8 | 100000.00 |
| .07 | .00 | 5.41 | .00 | .000 | .030 | .000 | .000 | 150.75 | 1003.44 |
| .002365 | 100. | 100. | 100. | 0 | 0 | 0 | .00 | 51.12 | 1054.56 |

*SECNO 1350.000

| 3470 ENCROACHMENT STATIONS= | 1000.0 | 1058.0 | TYPE= | 1 | TARGET= | 58.000 | | | |
|-----------------------------|--------|--------|-------|---|---------|--------|--|--|--|
|-----------------------------|--------|--------|-------|---|---------|--------|--|--|--|

Interior Channel HEC-2 Model
Proposed Conditions
City of Wichita Datum

| | | | | | | | | | |
|----------|------|--------|-----|--------|--------|------|------|--------|-----------|
| 1350.000 | 5.22 | 156.08 | .00 | 156.08 | 156.15 | .07 | .05 | .04 | 156.86 |
| 411.0 | .0 | 411.0 | .0 | .0 | 196.7 | .0 | 6.3 | 1.9 | 100000.00 |
| .07 | .00 | 2.09 | .00 | .000 | .030 | .000 | .000 | 150.86 | 1002.33 |
| .000325 | 50. | 50. | 50. | 2 | 0 | 0 | .00 | 53.34 | 1055.67 |

*SECNO 1400.000

3280 CROSS SECTION 1400.00 EXTENDED 1188.30 FEET

| | | | | | | | | | |
|-----------------------------|--------|--------|-------|--------|---------|--------|------|--------|-----------|
| 3470 ENCROACHMENT STATIONS= | 1000.0 | 1052.0 | TYPE= | 1 | TARGET= | 52.000 | | | |
| 1400.000 | 5.10 | 156.10 | .00 | 156.11 | 156.17 | .06 | .02 | .00 | 155.00 |
| 411.0 | .0 | 411.0 | .0 | .0 | 201.3 | .0 | 6.6 | 1.9 | 100000.00 |
| .08 | .00 | 2.04 | .00 | .000 | .030 | .000 | .000 | 151.00 | 1000.00 |
| .000303 | 50. | 50. | 50. | 2 | 0 | 0 | .00 | 52.00 | 1052.00 |

*SECNO 1450.000

3280 CROSS SECTION 1450.00 EXTENDED 1188.19 FEET

| | | | | | | | | | |
|-----------------------------|--------|--------|-------|--------|---------|--------|------|--------|-----------|
| 3470 ENCROACHMENT STATIONS= | 1000.0 | 1052.0 | TYPE= | 1 | TARGET= | 52.000 | | | |
| 1450.000 | 4.99 | 156.11 | .00 | 156.12 | 156.18 | .07 | .02 | .00 | 155.13 |
| 411.0 | .0 | 411.0 | .0 | .0 | 195.6 | .0 | 6.8 | 2.0 | 100000.00 |
| .09 | .00 | 2.10 | .00 | .000 | .030 | .000 | .000 | 151.13 | 1000.00 |
| .000331 | 50. | 50. | 50. | 0 | 0 | 0 | .00 | 52.00 | 1052.00 |

*SECNO 1500.000

3280 CROSS SECTION 1500.00 EXTENDED .56 FEET.

1

08DEC03 10:00:30

PAGE 16

| SECNO | DEPTH | CWSEL | CRWS | WSELK | EG | HV | HL | CLOSS | L-BANK ELEV |
|-------|-------|-------|-------|--------|------|-------|-------|--------|-------------|
| Q | QLOB | QCH | QROB | ALOB | ACH | AROB | VOL | TWA | R-BANK ELEV |
| TIME | VLOB | VCH | VROB | XNL | XNCH | XNR | WTN | ELMIN | SSTA |
| SLOPE | XLOBL | XLCH | XLOBR | ITRIAL | IDC | ICONT | CORAR | TOPWID | ENDST |

| | | | | | | | | | |
|-----------------------------|--------|--------|-------|--------|---------|--------|------|--------|-----------|
| 3470 ENCROACHMENT STATIONS= | 1000.0 | 1052.0 | TYPE= | 1 | TARGET= | 52.000 | | | |
| 1500.000 | 4.88 | 156.13 | .00 | 156.13 | 156.20 | .07 | .02 | .00 | 155.25 |
| 411.0 | .0 | 411.0 | .0 | .0 | 189.8 | .0 | 7.0 | 2.0 | 100000.00 |
| .09 | .00 | 2.17 | .00 | .000 | .030 | .000 | .000 | 151.25 | 1000.00 |
| .000364 | 50. | 50. | 50. | 0 | 0 | 0 | .00 | 52.00 | 1052.00 |

*SECNO 1600.000

3280 CROSS SECTION 1600.00 EXTENDED .46 FEET

| | | | | | | | | | |
|-----------------------------|--------|--------|-------|--------|---------|--------|------|--------|-----------|
| 3470 ENCROACHMENT STATIONS= | 1000.0 | 1052.0 | TYPE= | 1 | TARGET= | 52.000 | | | |
| 1600.000 | 4.79 | 156.16 | .00 | 156.16 | 156.24 | .08 | .04 | .00 | 155.38 |
| 411.0 | .0 | 411.0 | .0 | .0 | 185.0 | .0 | 7.5 | 2.2 | 100000.00 |
| .11 | .00 | 2.22 | .00 | .000 | .030 | .000 | .000 | 151.39 | 1000.00 |
| .000395 | 100. | 100. | 100. | 0 | 0 | 0 | .00 | 52.00 | 1052.00 |

Interior Channel HEC-2 Model
Proposed Conditions
City of Wichita Datum

*SECNO 1700.000

3280 CROSS SECTION 1700.00 EXTENDED .38 FEET

| 3470 ENCROACHMENT STATIONS= | | 1000.0 | 1052.0 | TYPE= | 1 | TARGET= | 52.000 | | |
|-----------------------------|------|--------|--------|--------|--------|---------|--------|--------|-----------|
| 1700.000 | 4.70 | 156.20 | .00 | 156.20 | 156.28 | .08 | .04 | .00 | 155.50 |
| 411.0 | .0 | 411.0 | .0 | .0 | 180.5 | .0 | 7.9 | 2.3 | 100000.00 |
| .12 | .00 | 2.28 | .00 | .000 | .030 | .000 | .000 | 151.50 | 1000.00 |
| .000427 | 100. | 100. | 100. | 0 | 0 | 0 | .00 | 52.00 | 1052.00 |

*SECNO 1800.000

3280 CROSS SECTION 1800.00 EXTENDED .29 FEET

| 3470 ENCROACHMENT STATIONS= | | 1000.0 | 1052.0 | TYPE= | 1 | TARGET= | 52.000 | | |
|-----------------------------|------|--------|--------|--------|--------|---------|--------|--------|-----------|
| 1800.000 | 4.62 | 156.24 | .00 | 156.23 | 156.33 | .08 | .04 | .00 | 155.63 |
| 411.0 | .0 | 411.0 | .0 | .0 | 176.1 | .0 | 8.3 | 2.4 | 100000.00 |
| .13 | .00 | 2.33 | .00 | .000 | .030 | .000 | .000 | 151.63 | 1000.00 |
| .000461 | 100. | 100. | 100. | 0 | 0 | 0 | .00 | 52.00 | 1052.00 |

*SECNO 1827.000

1

08DEC03 10:00:30

PAGE 17

| SECNO | DEPTH | CWSEL | CRWS | WSELK | EG | HW | HL | OLOSS | L-BANK ELEV |
|-------|-------|-------|-------|--------|------|-------|-------|--------|-------------|
| Q | QLOB | QCH | QROB | ALOB | ACH | AROB | VOL | TWA | R-BANK ELEV |
| TIME | VLOB | VCH | VROB | XNL | XNCH | XNR | WTN | ELMIN | SSTA |
| SLOPE | XLOBL | XLCH | XLOBR | ITRIAL | IDC | ICONT | CORAR | TOPWID | ENDST |

3280 CROSS SECTION 1827.00 EXTENDED .18 FEET

| 3470 ENCROACHMENT STATIONS= | | 1000.0 | 1052.0 | TYPE= | 1 | TARGET= | 52.000 | | |
|-----------------------------|------|--------|--------|--------|--------|---------|--------|--------|-----------|
| 1827.000 | 4.50 | 156.25 | .00 | 156.24 | 156.34 | .09 | .01 | .00 | 155.75 |
| 411.0 | .0 | 411.0 | .0 | .0 | 170.3 | .0 | 8.4 | 2.4 | 100000.00 |
| .13 | .00 | 2.41 | .00 | .000 | .030 | .000 | .000 | 151.75 | 1000.00 |
| .000513 | 27. | 27. | 27. | 0 | 0 | 0 | .00 | 52.00 | 1052.00 |

1

08DEC03 10:00:30

PAGE 18

THIS RUN EXECUTED 08DEC03 10:00:30

HEC-2 WATER SURFACE PROFILES
Version 4.6.2; May 1991

Interior Channel HEC-2 Model
Proposed Conditions
City of Wichita Datum

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

INTERIOR CHANNEL

SUMMARY PRINTOUT TABLE 110

| SECNO | CWSEL | DIFKWS | EG | TOPWID | QLOB | QCH | QROB | PERENC | STENCL | STCHL | STCHR | STENCR |
|---------|--------|--------|--------|--------|------|---------|------|--------|---------|---------|---------|---------|
| .000 | 151.30 | .00 | 151.79 | 71.60 | .00 | 1250.00 | .00 | .00 | .00 | 1000.00 | 1094.00 | .00 |
| .000 | 152.30 | .00 | 152.58 | 78.60 | .00 | 1250.00 | .00 | .00 | .00 | 1000.00 | 1094.00 | .00 |
| 50.000 | 151.45 | .00 | 151.94 | 71.61 | .00 | 1250.00 | .00 | .00 | .00 | 1000.00 | 1094.00 | .00 |
| 50.000 | 152.36 | .91 | 152.64 | 78.03 | .00 | 1250.00 | .00 | 94.00 | 1000.00 | 1000.00 | 1094.00 | 1094.00 |
| 100.000 | 151.59 | .00 | 152.09 | 71.63 | .00 | 1250.00 | .00 | .00 | .00 | 1000.00 | 1094.00 | .00 |
| 100.000 | 152.42 | .82 | 152.72 | 77.42 | .00 | 1250.00 | .00 | 94.00 | 1000.00 | 1000.00 | 1094.00 | 1094.00 |
| 150.000 | 151.74 | .00 | 152.23 | 71.64 | .00 | 1250.00 | .00 | .00 | .00 | 1000.00 | 1094.00 | .00 |
| 150.000 | 152.48 | .74 | 152.80 | 76.85 | .00 | 1250.00 | .00 | 94.00 | 1000.00 | 1000.00 | 1094.00 | 1094.00 |
| 200.000 | 151.89 | .00 | 152.38 | 71.65 | .00 | 1250.00 | .00 | .00 | .00 | 1000.00 | 1094.00 | .00 |
| 200.000 | 152.55 | .66 | 152.88 | 76.32 | .00 | 1250.00 | .00 | 94.00 | 1000.00 | 1000.00 | 1094.00 | 1094.00 |
| 250.000 | 152.03 | .00 | 152.53 | 71.66 | .00 | 1250.00 | .00 | .00 | .00 | 1000.00 | 1094.00 | .00 |
| 250.000 | 152.62 | .59 | 152.97 | 75.83 | .00 | 1250.00 | .00 | 94.00 | 1000.00 | 1000.00 | 1094.00 | 1094.00 |
| 300.000 | 152.18 | .00 | 152.67 | 71.67 | .00 | 1250.00 | .00 | .00 | .00 | 1000.00 | 1094.00 | .00 |
| 300.000 | 152.70 | .52 | 153.06 | 75.37 | .00 | 1250.00 | .00 | 94.00 | 1000.00 | 1000.00 | 1094.00 | 1094.00 |
| 350.000 | 152.33 | .00 | 152.82 | 71.67 | .00 | 1250.00 | .00 | .00 | .00 | 1000.00 | 1094.00 | .00 |
| 350.000 | 152.79 | .46 | 153.16 | 74.94 | .00 | 1250.00 | .00 | 94.00 | 1000.00 | 1000.00 | 1094.00 | 1094.00 |
| 400.000 | 152.47 | .00 | 152.96 | 71.68 | .00 | 1250.00 | .00 | .00 | .00 | 1000.00 | 1094.00 | .00 |
| 400.000 | 152.88 | .41 | 153.26 | 74.55 | .00 | 1250.00 | .00 | 94.00 | 1000.00 | 1000.00 | 1094.00 | 1094.00 |
| 450.000 | 152.62 | .00 | 153.11 | 71.68 | .00 | 1250.00 | .00 | .00 | .00 | 1000.00 | 1094.00 | .00 |
| 450.000 | 152.97 | .36 | 153.36 | 74.20 | .00 | 1250.00 | .00 | 94.00 | 1000.00 | 1000.00 | 1094.00 | 1094.00 |
| 500.000 | 152.76 | .00 | 153.25 | 71.68 | .00 | 1250.00 | .00 | .00 | .00 | 1000.00 | 1094.00 | .00 |
| 500.000 | 153.07 | .31 | 153.48 | 73.87 | .00 | 1250.00 | .00 | 94.00 | 1000.00 | 1000.00 | 1094.00 | 1094.00 |

1

08DEC03 10:00:30

PAGE 19

| SECNO | CWSEL | DIFKWS | EG | TOPWID | QLOB | QCH | QROB | PERENC | STENCL | STCHL | STCHR | STENCR |
|-----------|--------|--------|--------|--------|------|--------|------|--------|---------|---------|---------|---------|
| * 550.000 | 152.48 | .00 | 153.69 | 42.32 | .00 | 960.00 | .00 | .00 | .00 | 1000.00 | 1058.00 | .00 |
| * 550.000 | 152.89 | .41 | 153.73 | 44.80 | .00 | 960.00 | .00 | 58.00 | 1000.00 | 1000.00 | 1058.00 | 1058.00 |
| * 600.000 | 153.34 | .00 | 154.05 | 46.76 | .00 | 960.00 | .00 | .00 | .00 | 1000.00 | 1058.00 | .00 |
| 600.000 | 153.35 | .01 | 154.05 | 46.82 | .00 | 960.00 | .00 | 58.00 | 1000.00 | 1000.00 | 1058.00 | 1058.00 |
| 700.000 | 153.86 | .00 | 154.44 | 48.58 | .00 | 960.00 | .00 | .00 | .00 | 1000.00 | 1058.00 | .00 |
| 700.000 | 153.96 | .00 | 154.45 | 48.62 | .00 | 960.00 | .00 | 58.00 | 1000.00 | 1000.00 | 1058.00 | 1058.00 |

Interior Channel HEC-2 Model
Proposed Conditions
City of Wichita Datum

| | | | | | | | | | | | | |
|----------|--------|------|--------|-------|------|--------|------|-------|---------|---------|---------|---------|
| 800.000 | 154.23 | .00 | 154.76 | 49.54 | .00 | 960.00 | .00 | .00 | .00 | 1000.00 | 1058.00 | .00 |
| 800.000 | 154.23 | .00 | 154.76 | 49.55 | .00 | 960.00 | .00 | 58.00 | 1000.00 | 1000.00 | 1058.00 | 1058.00 |
| 900.000 | 154.54 | .00 | 155.05 | 50.06 | .00 | 960.00 | .00 | .00 | .00 | 1000.00 | 1058.00 | .00 |
| 900.000 | 154.55 | .00 | 155.05 | 50.06 | .00 | 960.00 | .00 | 58.00 | 1000.00 | 1000.00 | 1058.00 | 1058.00 |
| 1000.000 | 154.83 | .00 | 155.32 | 50.43 | .00 | 960.00 | .00 | .00 | .00 | 1000.00 | 1058.00 | .00 |
| 1000.000 | 154.83 | .00 | 155.32 | 50.43 | .00 | 960.00 | .00 | 58.00 | 1000.00 | 1000.00 | 1058.00 | 1058.00 |
| 1100.000 | 155.10 | .00 | 155.57 | 50.72 | .00 | 960.00 | .00 | .00 | .00 | 1000.00 | 1058.00 | .00 |
| 1100.000 | 155.10 | .00 | 155.57 | 50.72 | .00 | 960.00 | .00 | 58.00 | 1000.00 | 1000.00 | 1058.00 | 1058.00 |
| 1200.000 | 155.36 | .00 | 155.82 | 50.94 | .00 | 960.00 | .00 | .00 | .00 | 1000.00 | 1058.00 | .00 |
| 1200.000 | 155.36 | .00 | 155.82 | 50.95 | .00 | 960.00 | .00 | 58.00 | 1000.00 | 1000.00 | 1058.00 | 1058.00 |
| 1300.000 | 155.60 | .00 | 156.06 | 51.11 | .00 | 960.00 | .00 | .00 | .00 | 1000.00 | 1058.00 | .00 |
| 1300.000 | 155.60 | .00 | 156.06 | 51.12 | .00 | 960.00 | .00 | 58.00 | 1000.00 | 1000.00 | 1058.00 | 1058.00 |
| 1350.000 | 156.08 | .00 | 156.15 | 53.34 | .00 | 411.00 | .00 | .00 | .00 | 1000.00 | 1058.00 | .00 |
| 1350.000 | 156.08 | .00 | 156.15 | 53.34 | .00 | 411.00 | .00 | 58.00 | 1000.00 | 1000.00 | 1058.00 | 1058.00 |
| 1400.000 | 156.11 | .00 | 156.17 | 72.00 | 7.69 | 395.62 | 7.69 | .00 | .00 | 1000.00 | 1052.00 | .00 |
| 1400.000 | 156.10 | -.01 | 156.17 | 52.00 | .00 | 411.00 | .00 | 52.00 | 1000.00 | 1000.00 | 1052.00 | 1052.00 |
| 1450.000 | 156.12 | .00 | 156.18 | 72.00 | 6.73 | 397.54 | 6.73 | .00 | .00 | 1000.00 | 1052.00 | .00 |
| 1450.000 | 156.11 | .00 | 156.18 | 52.00 | .00 | 411.00 | .00 | 52.00 | 1000.00 | 1000.00 | 1052.00 | 1052.00 |
| 1500.000 | 156.13 | .00 | 156.20 | 72.00 | 5.71 | 399.58 | 5.71 | .00 | .00 | 1000.00 | 1052.00 | .00 |
| 1500.000 | 156.13 | .00 | 156.20 | 52.00 | .00 | 411.00 | .00 | 52.00 | 1000.00 | 1000.00 | 1052.00 | 1052.00 |
| 1600.000 | 156.16 | .00 | 156.23 | 72.00 | 4.85 | 401.30 | 4.85 | .00 | .00 | 1000.00 | 1052.00 | .00 |
| 1600.000 | 156.16 | .00 | 156.24 | 52.00 | .00 | 411.00 | .00 | 52.00 | 1000.00 | 1000.00 | 1052.00 | 1052.00 |
| 1700.000 | 156.20 | .00 | 156.27 | 72.00 | 4.04 | 402.92 | 4.04 | .00 | .00 | 1000.00 | 1052.00 | .00 |
| 1700.000 | 156.20 | .01 | 156.28 | 52.00 | .00 | 411.00 | .00 | 52.00 | 1000.00 | 1000.00 | 1052.00 | 1052.00 |
| 1800.000 | 156.23 | .00 | 156.32 | 72.00 | 3.27 | 404.45 | 3.27 | .00 | .00 | 1000.00 | 1052.00 | .00 |
| 1800.000 | 156.24 | .01 | 156.33 | 52.00 | .00 | 411.00 | .00 | 52.00 | 1000.00 | 1000.00 | 1052.00 | 1052.00 |
| 1827.000 | 156.24 | .00 | 156.33 | 72.00 | 2.31 | 406.39 | 2.31 | .00 | .00 | 1000.00 | 1052.00 | .00 |
| 1827.000 | 156.25 | .01 | 156.34 | 52.00 | .00 | 411.00 | .00 | 52.00 | 1000.00 | 1000.00 | 1052.00 | 1052.00 |

1

08DEC03 10:00:30

PAGE 20

SUMMARY OF ERRORS AND SPECIAL NOTES

WARNING SECNO= 550.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 550.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
 WARNING SECNO= 600.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

1

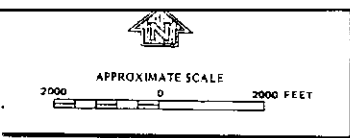
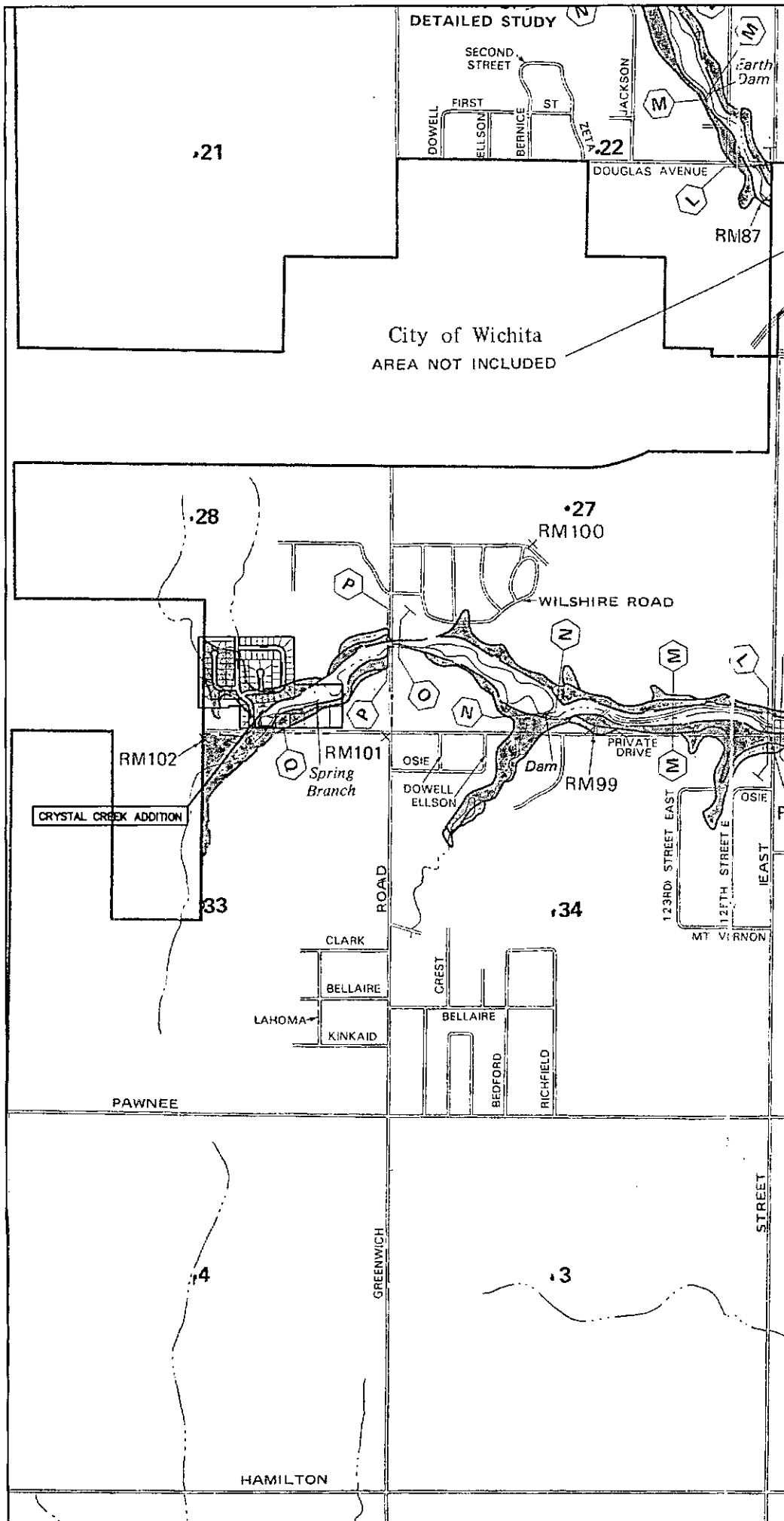
Interior Channel HEC-2 Model
Proposed Conditions
City of Wichita Datum

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PAGE 21

FLOODWAY DATA, INTERIOR CHANNEL
PROFILE NO. 2

| STATION | FLOODWAY | | | WATER SURFACE ELEVATION | | |
|----------|----------|--------------|---------------|-------------------------|------------------|------------|
| | WIDTH | SECTION AREA | MEAN VELOCITY | WITH FLOODWAY | WITHOUT FLOODWAY | DIFFERENCE |
| .000 | 79. | 297. | 4.2 | 152.3 | 151.3 | 1.0 |
| 50.000 | 78. | 290. | 4.3 | 152.3 | 151.4 | .9 |
| 100.000 | 77. | 283. | 4.4 | 152.4 | 151.6 | .8 |
| 150.000 | 77. | 277. | 4.5 | 152.4 | 151.7 | .7 |
| 200.000 | 76. | 271. | 4.6 | 152.6 | 151.9 | .7 |
| 250.000 | 76. | 266. | 4.7 | 152.6 | 152.0 | .6 |
| 300.000 | 75. | 261. | 4.8 | 152.7 | 152.2 | .5 |
| 350.000 | 75. | 257. | 4.9 | 152.8 | 152.3 | .5 |
| 400.000 | 75. | 252. | 5.0 | 152.9 | 152.5 | .4 |
| 450.000 | 74. | 249. | 5.0 | 153.0 | 152.6 | .4 |
| 500.000 | 74. | 245. | 5.1 | 153.1 | 152.8 | .3 |
| 550.000 | 45. | 127. | 7.6 | 152.9 | 152.5 | .4 |
| 600.000 | 47. | 142. | 6.7 | 153.3 | 153.3 | .0 |
| 700.000 | 49. | 157. | 6.1 | 153.9 | 153.9 | .0 |
| 800.000 | 50. | 164. | 5.8 | 154.2 | 154.2 | .0 |
| 900.000 | 50. | 169. | 5.7 | 154.5 | 154.5 | .0 |
| 1000.000 | 50. | 172. | 5.6 | 154.8 | 154.8 | .0 |
| 1100.000 | 51. | 174. | 5.5 | 155.1 | 155.1 | .0 |
| 1200.000 | 51. | 176. | 5.5 | 155.4 | 155.4 | .0 |
| 1300.000 | 51. | 177. | 5.4 | 155.6 | 155.6 | .0 |
| 1350.000 | 53. | 197. | 2.1 | 156.1 | 156.1 | .0 |
| 1400.000 | 52. | 201. | 2.0 | 156.1 | 156.1 | .0 |
| 1450.000 | 52. | 196. | 2.1 | 156.1 | 156.1 | .0 |
| 1500.000 | 52. | 190. | 2.2 | 156.1 | 156.1 | .0 |
| 1600.000 | 52. | 185. | 2.2 | 156.2 | 156.2 | .0 |
| 1700.000 | 52. | 180. | 2.3 | 156.2 | 156.2 | .0 |
| 1800.000 | 52. | 176. | 2.3 | 156.2 | 156.2 | .0 |
| 1827.000 | 52. | 170. | 2.4 | 156.2 | 156.2 | .0 |



NATIONAL FLOOD INSURANCE PROGRAM

FLOODWAY
FLOOD BOUNDARY AND
FLOODWAY MAP

SEDGWICK
COUNTY,
KANSAS
(UNINCORPORATED AREAS)

PANEL 225 OF 300
(SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY-PANEL NUMBER
200321 0225

EFFECTIVE DATE:
JUNE 3, 1986



Federal Emergency Management Agency