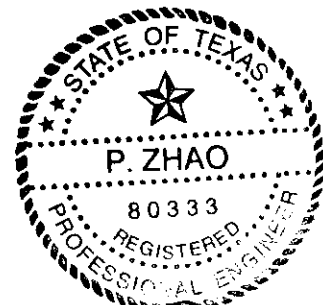


HYDRAULIC STUDY
FOR
IH-820 AT CALLOWAY BRANCH CROSSING
CONTRACT #02-045P5007
TARRANT COUNTY, TEXAS

Prepared For:
TEXAS DEPARTMENT OF TRANSPORTATION
Fort Worth District

Prepared By:
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August 2002



P. Zhao

8/08/02

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EXHIBITS

- I. Project Location Map
- II. Drainage Area Map
- III. FEMA (FIRM) Map of Calloway Branch
- IV. FEMA Summary of Discharges and Floodway Data for Calloway Branch
- V. FEMA Flood Profiles of Calloway Branch
- VI. Culvert Layout
- VII. HEC-2 Study Cross Section Layout
- VIII. NRCS TR-55 Discharge Calculations

APPENDICES

- A. Effective HEC-2 FEMA Model; Output summary for project area only
- B. Proposed HEC-2 Model with Proposed Culvert; Output summary for project area only
- C. Disk with existing and proposed HEC-2 input files and output files

**Hydraulic Study
For
IH 820 at Calloway Branch
Tarrant County, Texas**

I. Purpose

The Texas Department of Transportation (TxDOT) proposes to widen and reconstruct IH-820 from Mark IV Parkway to SH-26 within Tarrant County. The proposed highway improvements will include replacement of the existing bridge crossings over Calloway Branch with new crossing structures.

The site is located within the limits of the FEMA flood insurance study (FIS) conducted for Tarrant County, in the City of North Richland Hills. Calloway Branch has been mapped by FEMA, and has been delineated as a regulated floodway. This means that a requirement of zero rise in the 100-year water surface elevation is mandated by federal regulations, unless the local community requests a map revision, which is not favorable and therefore is not anticipated.

The purpose of this study is to analyze the existing hydraulic characteristics of Calloway Branch and the proposed roadway improvements in the vicinity in order to present the most practical and cost effective alternative for the IH-820 project. The study also documents effects that the recommended alternative will have on the stream to ensure that the design will satisfy TxDOT and FEMA requirements. Please see Exhibit I for the general location.

II. Background

This report supersedes the two technical memorandums, dated May 2001 and dated March 2002, submitted to TxDOT previously. However, selective information from these two memorandums are included in this report.

The May 2001 memorandum presented findings in the hydraulic model using HEC-RAS program. The model was created by importing existing FEMA HEC-2 data into HEC-RAS program, updated by new ground surveys in the IH-820 vicinity and corrected hydraulic data provided by the City of North Richland Hills in the upstream and downstream areas of the creek. Due to the modeling differences between HEC-2 and HEC-RAS, and corrections to some obvious errors in the original model, the study based on the HEC-RAS program yielded substantially different water surface elevations between the new HEC-RAS model and the currently official FEMA data. TxDOT forwarded the technical memorandum to the City for their review. However, in a letter to TxDOT dated

August 2, 2001, the City of North Richland Hills stated that they were not yet ready to accept results produced by HEC-RAS.

The March 2002 memorandum involves evaluation of the bridge and culvert alternatives using the HEC-2 program for the proposed crossing structures for Calloway Branch. In this memorandum the recommendation of a culvert structure was made to the Fort Worth District. CP&Y proposed that the existing bridges over the Calloway Branch near the eastern end of the IH-820 project be replaced with a culvert in lieu of new bridges. This proposed design allows a significantly lower vertical profile for the main lanes and westbound frontage road in the vicinity of the Calloway Branch crossing when compared with a bridge option. This also results in a design that will be substantially less expensive; and it will significantly reduce disruptive traffic impacts during construction for this portion of the IH-820 project.

As presented in the March 2002 memorandum, key advantages from the box culvert alternative compared to the bridge option are as follows:

- Avoiding pavement removal and subsequent removal of approximately 6,000 square yards of recently constructed concrete and asphalt base for the main lanes. The associated addition of 1,200 square feet of retaining wall above the south abutment wall over SH-26 can be avoided as well. The additional retaining wall, which is not needed in the new design, could prove to be very expensive since it may require reconstruction of the existing wall.
- Elimination of potentially required retaining walls along the main lanes and westbound frontage road for the bridge configuration. Over 20,000 square feet of walls are saved.
- Reduction of earthwork for the main lanes, as a result of the lowering vertical alignments, should exceed 100,000 cubic yards.
- Traffic control measures in the vicinity will be significantly simplified. A reduction in the substantial amount of shoring anticipated from the bridge alternative due the large amount of fill over the main lanes can be saved as well.

The recommendation received verbal approval from TxDOT and the proposed culvert configuration became the final design alternative to be discussed in this report.

The proposed culverts are modeled in a new HEC-2 study. The results of the hydraulic study for the proposed improvements are analyzed to ensure that FEMA regulations are complied with and TxDOT requirements are met.

III. Drainage Area

The Calloway Branch watershed upstream of the IH-820 crossing is located within the City of North Richland Hills, in Tarrant County. Exhibit II shows the drainage area for Calloway Branch upstream of the project site. It is estimated that over 90% of the watershed has been developed, consisting of parks, open space, residential and commercial areas. The total drainage area for Calloway Branch is estimated to be 4.94 sq. miles at the project site location.

IV. Flood Insurance Study

The Federal Emergency Management Agency has mapped this section of Calloway Branch. The following information from FEMA was obtained for use in this hydraulic study and includes the following:

- a) Flood Insurance Rate Map, Tarrant County, Texas and Incorporated Areas, Panel 303 and 304 of 595 (Map # 48439 C 0303 H & 48439 C 0304 H), Effective Date: August 2, 1995 (See Exhibit III).
- b) Flood Insurance Study (Flood profiles, Summary of Discharges and Floodway Data), Tarrant County, Texas and Incorporated Areas, Revised August 2, 1995 (See Exhibits IV and V).

V. Data Collection

- 1. A Category 1 Search Request was submitted to PBS&J on July 7, 2000. The effective model (hardcopy) was received on August 21, 2000. It was noted by PBS&J on the model that the effective model was as revised by a May 18, 1993 LOMR and that at IH-820 the BFE is 581 resulting in a road overtopping of 0.18'. No electronic model was available.
- 2. In an August 8, 2000 meeting with Mr. Bill Black of the U.S. Army Corps of Engineers (COE) Ft. Worth office, CP&Y received all the information that the COE had regarding Calloway Branch. Most of the data was out-dated, but the flow calculations and ultimate flow calculations were reasonable and considered conservative by the COE. Several trial and error runs had been reviewed in determining these ultimate flows.

3. On August 22, 2000, a HEC-2 electronic file was received from Mr. Richard Albin of Knowlton-English-Flowers (KEF), which had prepared the Calloway Branch drainage study for the City of North Richland Hills. The HEC-2 file was updated so it would run on the current program format. The flow rates and computed water elevations closely match the published FEMA FIS information, therefore this file was considered the effective FEMA model and was used as the existing baseline model for this study.

VI. Existing Conditions and Proposed Structures

There are four existing bridge structures at the crossing of IH-820 over Calloway Branch. Each bridge consists of 2-44' spans on a 45-degree skew. The stream underneath the bridges is concrete-lined with a bottom width of 46' and side slopes of 1:1. The total channel conveyance area measuring from the flow line of the channel to the bottom of the bridge low beam is about 540 square feet.

The proposed IH-820 freeway over Calloway Branch will consist of five westbound lanes with a two-lane exit ramp and six eastbound lanes with a two-lane exit ramp. In addition, a two-lane westbound frontage road and a three-lane eastbound frontage road will be constructed. The proposed crossing structure for Calloway Branch will be centered at roadway station 948+99.95 with a 45-degree skew.

Approximately 2,000 feet of the Calloway Branch immediately downstream of IH-820 have already been enclosed by box culverts. The stream enclosure consists of three segments of 8-barrel, 10'x10' culverts, with one segment being recently constructed for the TxDOT SH-26 improvements. To propose the same 8-barrel, 10'x10' culvert, and extend it upstream under IH-820 became a logical approach. The most significant advantage for the box culvert alternative is that it allows the roadway profiles to be nearer to the design water surface elevation. This is due to the fact that a culvert requires far less structural depth and requires no freeboard over the design water surface elevation.

The effects of the proposed culvert improvements were analyzed by both TxDOT's THYSYS program and by HEC-2, a hydraulic model acceptable to FEMA, since Calloway Branch is a FEMA-regulated floodway.

The proposed structure is a 535' long, 8-barrel 10'x10' box culvert. The upstream flow line is 568.70, which is approximately 1' lower than the existing elevation. Lowering the existing flow line at the upstream end was necessary to help maintain a low roadway profile so the new pavement can be tied to the newly

constructed pavement at the eastern terminus. The culverts slope at 0.21 % to the south end, at elevation 567.60. A junction box is proposed downstream where the proposed culverts connect to the existing box culverts. To minimize the construction time required for the culvert crossing under the heavily traveled highway, the proposed culverts are designed as a pre-cast structure. The concrete junction box will be necessary for the structural connection and flow transition. The box will also serve as a flow equalizer and junction box for the storm drains coming from east and west of the culvert crossing. Upstream, a concrete headwall with flared wings is designed to minimize hydraulic entrance loss for the culvert structure. Some minor channel modification upstream of the new culvert is required in order to transition the new headwall and concrete apron with the existing concrete channel.

Exhibit VI illustrates the plan view of the proposed box culvert, from the existing culvert downstream to the existing concrete channel north of IH-820.

VII. Hydraulic Modeling

The HEC-2 software program developed at the Hydrologic Engineering Center (HEC) of US Army Corps of Engineers was used to compute the water surface profiles. HEC-2 is a one-dimensional steady flow model.

In our attempt to create the proposed culvert model following TxDOT's criteria, the policies of the City of North Richland Hills and FEMA regulations were also taken into consideration. Therefore the new model was established using HEC-2 program, instead of HEC-RAS. This approach will ensure that our results will exactly match the current FEMA official elevations downstream of the highway crossing and converge quickly to match existing elevations upstream of the highway crossing.

The effective FEMA HEC-2 model was used to establish the proposed conditions HEC-2 model. The existing IH-820 bridge data in the existing FEMA model was updated to reflect the new culverts.

The new culverts were modeled in HEC-2 using its Special Culvert feature. The entrance loss coefficient was set at 0.70, higher than the standard 0.35 for flared wing-walls entrance to account for the hydraulic loss that is expected to occur at the proposed junction box at the outfall end and the existing culvert further downstream. There is a 45-degree bend at the existing culvert that was not modeled in the existing HEC-2 model. The higher entrance loss coefficient was intended to reflect the loss for the bend as well. This conservative approach was taken to ensure reasonable results after we replace the existing bridges with new

culverts. Cross sections for the proposed model were selected largely based on the existing model with inclusion of new sections to characterize the proposed culvert, wing-walls, and junction box. Locations of the sections are shown on Exhibit VII.

FEMA FIS flow rates developed by the COE and used in the existing HEC-2 study were evaluated for the proposed condition model. For comparison purposes, and for compliance with TxDOT requirements that bridge hydraulic design should reflect future developed conditions, alternative flow rates were developed. They were calculated using the NRCS TR-55 program as recommended by the TxDOT Hydraulic Design Manual, dated April 2002. According to the soil survey for Tarrant County, which is published by NRCS, the majority of the soils in the Calloway Branch Watershed upstream of the project area are designated as soil group D. TR-55 was used to calculate the weighted curve number as well as the time of concentration (79 and 1.8 hours based on 2-year storm event, respectively). This data was then used in the TR-55 program to determine the peak discharges for the 10, 25, 50 and 100-year storms. Details of the calculations are shown in Exhibit VIII. The comparative flow rates at the project location are summarized in the following table:

Table 1: Flow Rates Summary at Section 19250(Upstream face of Proposed Culverts)

	1995 Flood Insurance Study (FEMA)	NRCS TR-55
100 Year Flow (cfs)	8450	8303
50 Year Flow (cfs)	7550	7171

The flow rates derived using the NRCS TR-55 program are slightly smaller than those developed by the COE for FEMA. Therefore, the flow data from the FEMA FIS was used in this study for the proposed condition.

VIII. HEC-2 Study Results

The results of the HEC-2 hydraulic study indicate that the proposed culvert improvements will slightly reduce the water surface elevations (FEMA FIS) in the immediate upstream area, and match existing elevations further upstream and downstream from the project site. This satisfies FEMA requirements for construction in a floodway. The resulting flow velocities will increase slightly. However, due to the concrete lining for the existing channel, the higher velocities are within an acceptable range and should not be considered a concern. Also because of the existing concrete lining for the channel and the proposed concrete box culvert, erosion or scour effects will be minimal. In summary, by allowing

the design storm to pass, and by providing a hydraulically equivalent or better structure to the existing bridges, this design satisfies TxDOT requirements.

The following tables summarize the pre-project and post-project water surface elevations and velocities for the 100-year and 50-year storm events.

Table 2: 100 Year Event: Water Surface Elevations and Velocities

	SECTION	100 Year					
		Pre Project WSEL	Post Project WSEL	Change (ft)	Pre Project VEL(fps)	Post Project VEL(fps)	Change (fps)
	18163	573.64	573.64	0.00	9.49	9.49	0.00
	18164	573.53	573.53	0.00	10.09	10.09	0.00
	19249	576.47	576.47	0.00	11.20	11.20	0.00
	19250	576.44	576.44	0.00	11.35	11.35	0.00
IH-820 New Culvert		580.98	579.47	-1.51	7.67	11.40	3.73
	19780	580.59	579.25	-1.34	9.66	12.59	2.93
	19930	580.34	579.39	-0.95	11.05	12.79	1.74
	19980	580.30	579.35	-0.95	11.33	13.99	2.66
	20130	580.16	579.18	-0.98	12.28	14.25	1.97
	20280	579.77	579.27	-0.50	14.07	15.09	1.02
	20430	579.62	579.61	-0.01	15.26	15.29	0.03
	20540	579.94	579.94	0.00	15.40	15.40	0.00
	20580	580.03	580.03	0.00	15.44	15.44	0.00

Table 3: 50 Year Event: Water Surface Elevations and Velocities

	SECTION	50 Year					
		Pre Project WSEL	Post Project WSEL	Change (ft)	Pre Project VEL(fps)	Post Project VEL(fps)	Change (fps)
	18163	571.99	571.99	0.00	10.07	10.07	0.00
	18164	571.86	571.86	0.00	10.76	10.76	0.00
	19249	572.66	572.66	0.00	16.83	16.83	0.00
	19250	575.65	575.65	0.00	11.10	11.10	0.00
IH-820 New Culvert		579.94	578.50	-1.44	8.45	11.40	2.95
	19780	579.59	578.23	-1.36	10.07	12.84	2.77
	19930	579.32	578.19	-1.13	11.53	13.68	2.15
	19980	579.28	578.16	-1.12	11.81	13.08	1.27
	20130	579.18	578.32	-0.86	12.74	14.49	1.75
	20280	579.00	578.56	-0.44	13.99	14.93	0.94
	20430	578.98	578.99	0.01	14.93	14.91	-0.02
	20540	579.34	579.34	0.00	14.97	14.97	0.00
	20580	579.44	579.44	0.00	14.98	14.98	0.00

IX. Conclusion

The proposed improvements in the vicinity of Calloway Branch crossing for the IH-820 project are based on revising the stream crossing structures from bridges, which are on a 45-degree skew and therefore not efficient, to an 8-barrel, 10'x10' box culvert. New bridge structures had been considered in the schematic design and in the early stage of the 30% design. However, it became obvious that the bridge alternative is not practical since the bridge option would require significant pavement replacement and retaining wall reconstruction in the adjacent highway section, which has just been newly constructed. The culvert approach will yield significant cost reduction compared to the new bridge alternative, for the IH-820 project. While it is not conventional to replace existing bridge structures with culverts, it is well justified in this case from the aspects of cost saving and traffic control, and it will help optimize the project design.

HEC-2 hydraulic models were developed for the proposed culvert crossing. Results of the computer model indicate that no rise in the 100-year and 50-year water surface elevations will occur. The proposed culvert will increase the hydraulic conveyance area from 540 s.f. under the existing bridges to 800 s.f., therefore effectively improving the hydraulic capacities of the stream crossing structures. Mainly because of the higher conveyance area for the crossing structure, water surface elevations for the 100 year and 50 year storms will be lower immediately upstream of the IH-820 crossing. This will resolve an existing problem of the 0.18' overtopping on the main lanes for the 100-year storm. In addition, the proposed 100-year water surface elevations will be at least one foot lower than the edge of pavement elevations. The proposed culvert will not significantly alter the environmental nature of the stream since it has already been concrete-lined completely in the vicinity. Therefore, the proposed Calloway Branch culvert improvements for IH-820 comply with TxDOT and FEMA requirements.

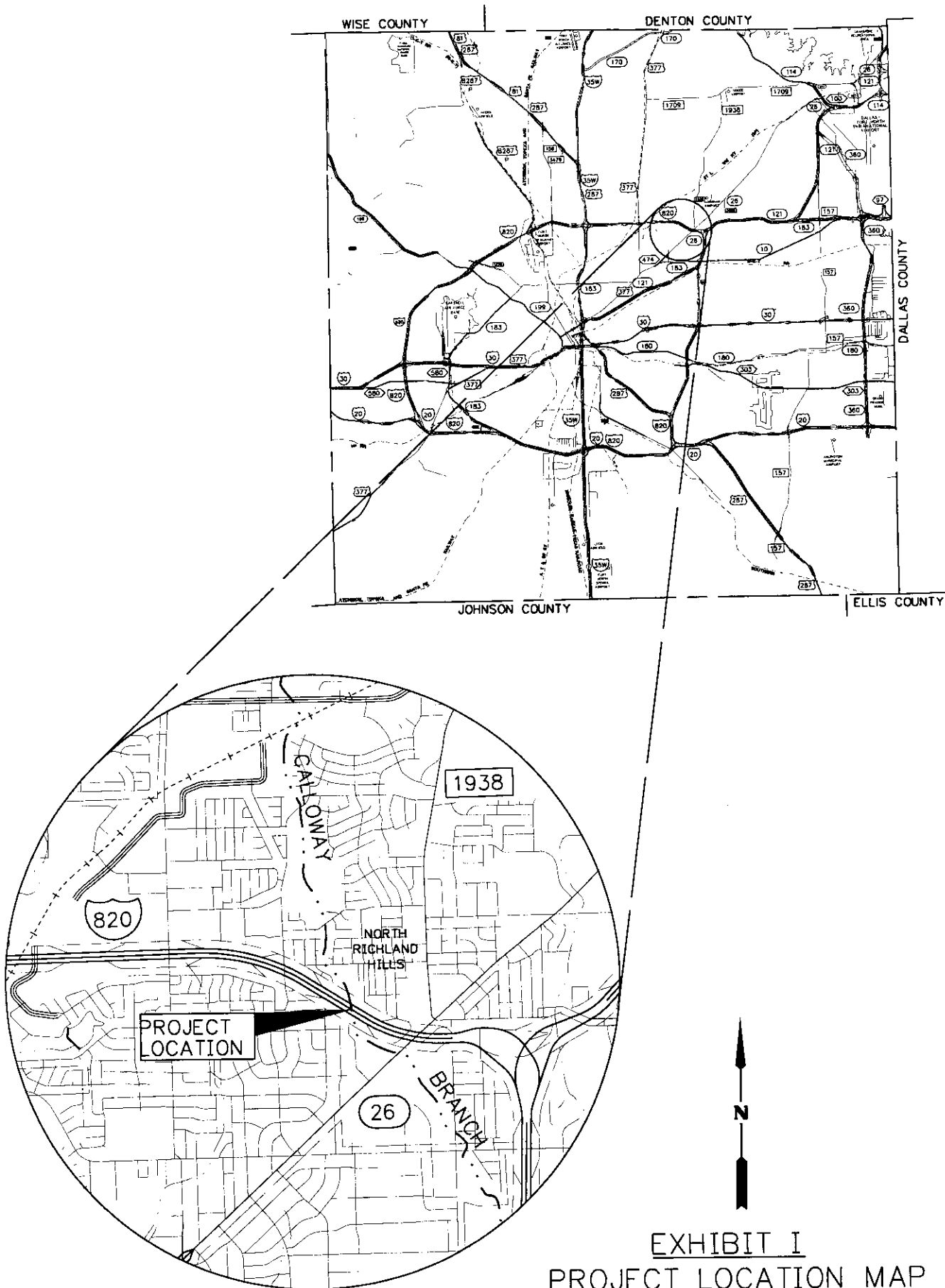


EXHIBIT I
PROJECT LOCATION MAP
TARRANT COUNTY

NATIONAL FLOOD INSURANCE PROGRAM

FIRM

FLOOD INSURANCE RATE MAP

**TARRANT COUNTY,
TEXAS AND
INCORPORATED AREAS**

PANEL 304 OF 595

(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS:
COMMUNITY

	NUMBER	PANEL	SUFFIX
HURST, CITY OF	480601	0304	H
NORTH RICHLAND HILLS, CITY OF	480607	0304	H
RICHLAND HILLS, CITY OF	480608	0304	H

**MAP NUMBER
48439C0304 H**

**MAP REVISED:
AUGUST 2, 1995**



Federal Emergency Management Agency

NATIONAL FLOOD INSURANCE PROGRAM

FIRM

FLOOD INSURANCE RATE MAP

**TARRANT COUNTY,
TEXAS AND
INCORPORATED AREAS**

PANEL 303 OF 595

(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS:
COMMUNITY

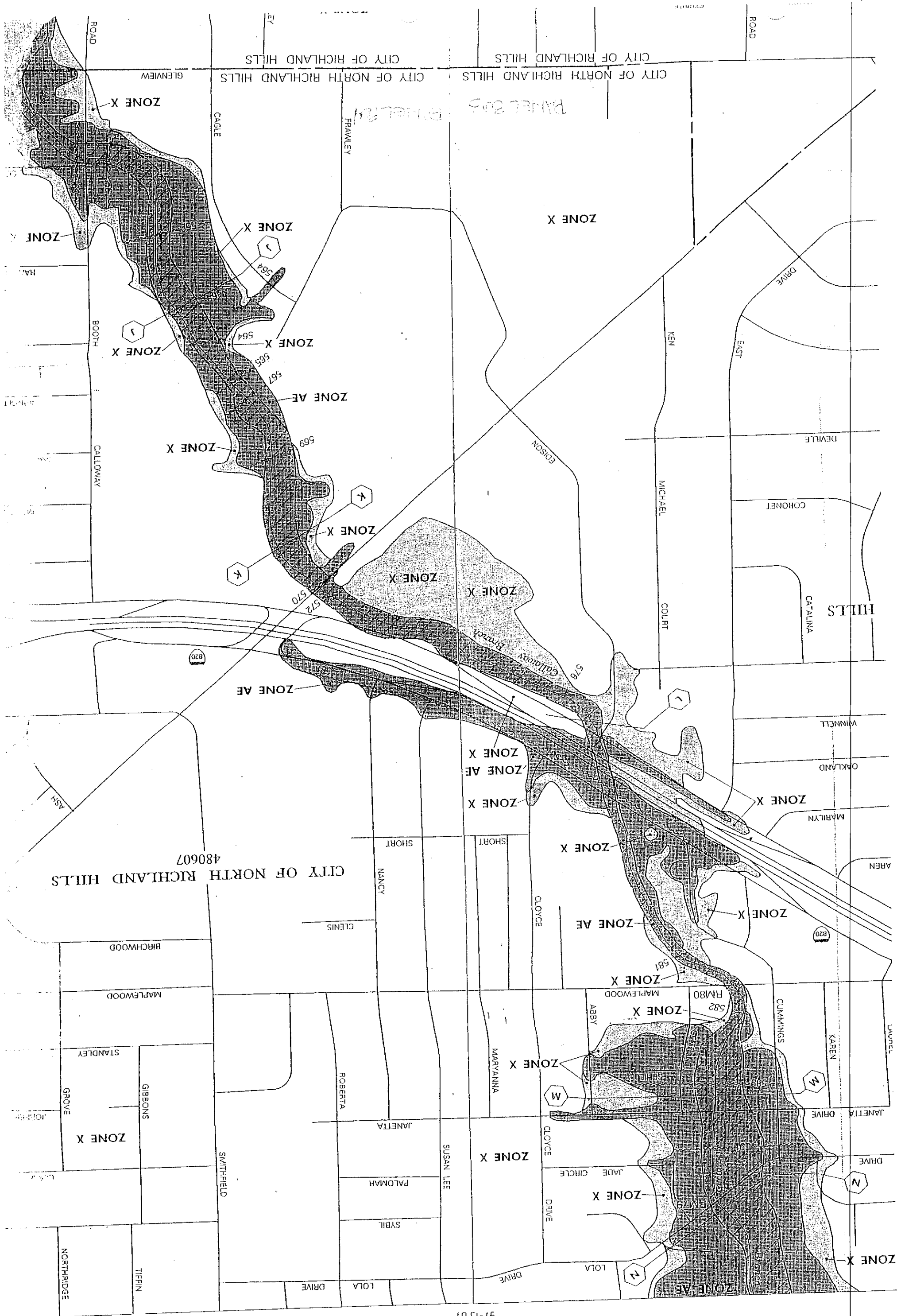
	NUMBER	PANEL	SUFFIX
HALTOM, CITY, CITY OF	480699	0303	H
NORTH RICHLAND HILLS, CITY OF	480607	0303	H
RICHLAND HILLS, CITY OF	480608	0303	H

**MAP NUMBER
48439C0303 H**

**MAP REVISED:
AUGUST 2, 1995**



Federal Emergency Management Agency



PANEL 203

CITY OF NORTH RICHLAND HILLS

CITY OF NORTH RICHLAND HILLS

CITY OF RICHLAND HILLS

CITY OF NORTH RICHLAND HILLS
480607

97°13.07"

1:500'

TABLE 5 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)			
		10-YEAR	50-YEAR	100-YEAR	500-YEAR
BUFFALO CREEK (continued)					
Approximately 800 feet upstream of divergence of Old Buffalo Creek	2.48	2,550	3,700	4,200	5,350
Downstream of confluence of left and right bank tributaries located approximately 1.06 miles upstream of Harmon Road	1.87	2,450	3,400	3,900	4,800
Approximately 100 feet upstream of tributaries located approximately 1.06 miles upstream of Harmon Road	0.96	1,150	1,650	1,850	2,350
Approximately 100 feet downstream of confluence of left bank tributary located approximately 0.57 mile downstream of Blue Mound Road	0.71	1,500	1,950	2,150	2,700
OLD BUFFALO CREEK					
At confluence with Henrietta Creek	**	900	1,200	1,350	1,700
At downstream face of Interstate Route 35W	**	250	300	- 350	450
BUNKER HILL CREEK					
At confluence with Singing Hills Creek	1.79	2,350	3,250	3,600	4,500
Approximately 500 feet upstream of Chapman Road	1.34	2,050	2,800	3,100	3,850
Approximately 1,400 feet upstream of Hightower Road	1.07	1,750	2,350	2,600	3,250
CALLOWAY BRANCH					
At confluence of Walker Branch	7.3	6,350	8,270 ¹	9,170 ¹	11,620 ¹
At Glenview Drive	6.2	6,250	8,470	9,610	12,430
Downstream of confluence of Stream CB-1	3.3	4,990	6,460	7,120	8,810
Upstream of confluence of Stream CB-1	2.6	4,560	5,840	6,430	7,930

¹Decreases due to storage routing effects

**Data not available

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
(FEET NGVD)								
Galloway Branch								
A	2,710	141	1,617	5.7	515.3	515.3	515.7	0.4
B	3,750	200	1,891	4.8	517.7	517.7	518.5	0.8
C	4,500	184	1,608	5.7	518.3	518.3	519.3	1.0
D	5,640	163	976	9.4	521.3	521.3	521.7	0.4
E	7,760	121	1,408	6.5	533.8	533.8	534.7	0.9
F	8,794	95	705	13.0	535.1	535.1	535.3	0.2
G	10,450	200	1,954	4.7	547.5	547.5	547.5	0.0
H	11,550	200	1,165	7.9	549.4	549.4	549.8	0.4
I	12,610	300	1,947	4.9	552.0	552.0	552.7	0.7
J	15,491	180	1,232	78	562.9	562.9	563.7	0.8
K	17,141	181	1,471	6.5	569.8	569.8	570.3	0.5
L	19,250	86	744	11.4	576.4	576.4	576.4	0.0
M	21,830	280	1,139	7.4	588.6	588.6	589.4	0.8
N	22,492	350	1,539	5.5	591.0	591.0	591.4	0.4
O	23,516	250	1,484	5.7	593.6	593.6	594.4	0.8
P	25,322	213	1,301	5.5	597.7	597.7	597.9	0.2
Q	27,365	150	1,018	6.8	605.1	605.1	605.2	0.1
R	29,492	76	893	6.3	613.5	613.5	613.5	0.0
S	30,890	161	904	6.2	615.6	615.6	615.8	0.2
T	35,485	225	677	1.9	641.0	641.0	641.3	0.3
U	36,095	78	145	7.2	643.2	643.2	643.9	0.7
V	37,325	28	148	7.0	650.0	650.0	650.9	0.9

¹Feet above confluence with Walker's Branch

FEDERAL EMERGENCY MANAGEMENT AGENCY

TARRANT COUNTY, TX
AND INCORPORATED AREAS

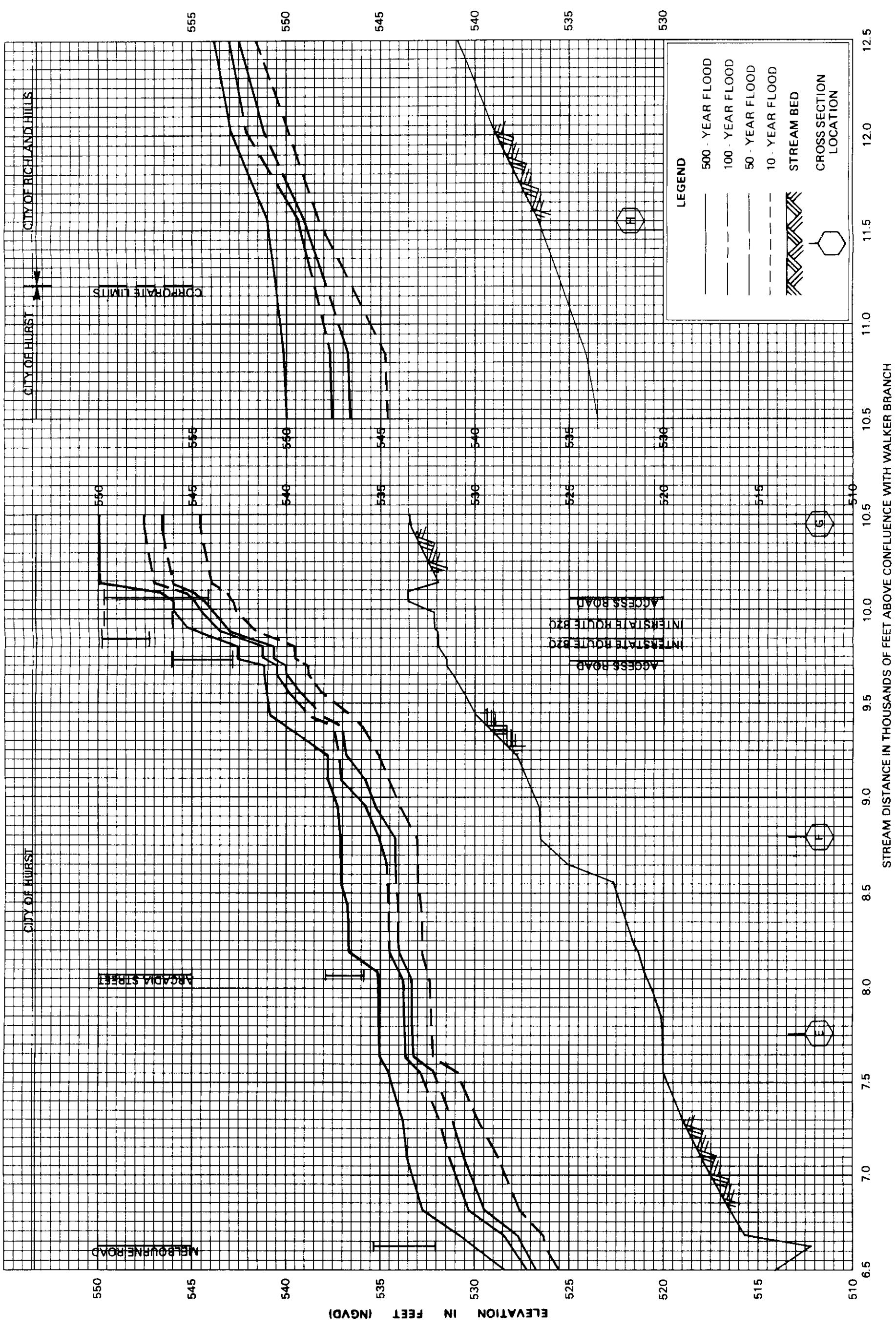
FLOODWAY DATA

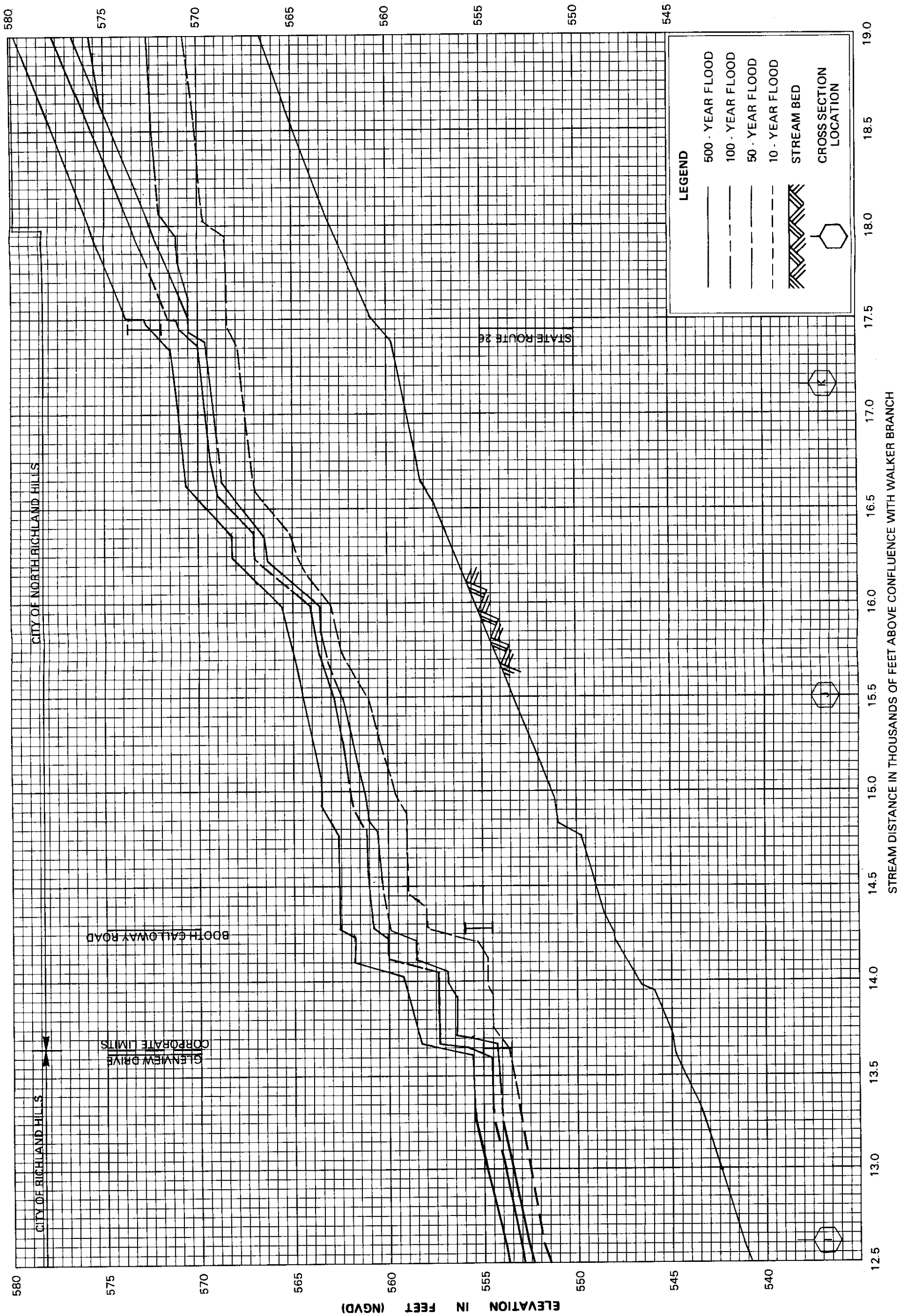
CALLOWAY BRANCH

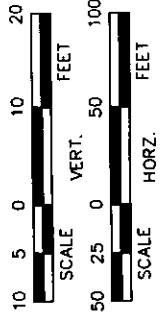
FLOODING SOURCE

FLOODWAY

BASE FLOOD
WATER SURFACE ELEVATION







Q_{50}	-7550 cfs	Q_{100}	-8450 cfs
TW_{50}	-575.65 ft	TW_{100}	-576.44 ft
HW_{50}	-578.50 ft	HW_{100}	-579.47 ft
V_{50}	-11.40 fps	V_{100}	-11.40 fps



Engineer P. ZHAO
P.E. No. 80333 Date 05/10/02

0102

CULVERT LAYOUT
CALLOWAY BRANCH

SEC. 2		P2		STATE	FEDERAL AND PROJECT NO.		INSURANCE NO.
Assigned	Checked	#	TEXAS			#H-820	
Drawn	Checked	CADD	DIST.	COUNTY	CONTROL NO.	SECTION NO.	SHEET NO.
		#	FTW	TARRANT	0008	14	058

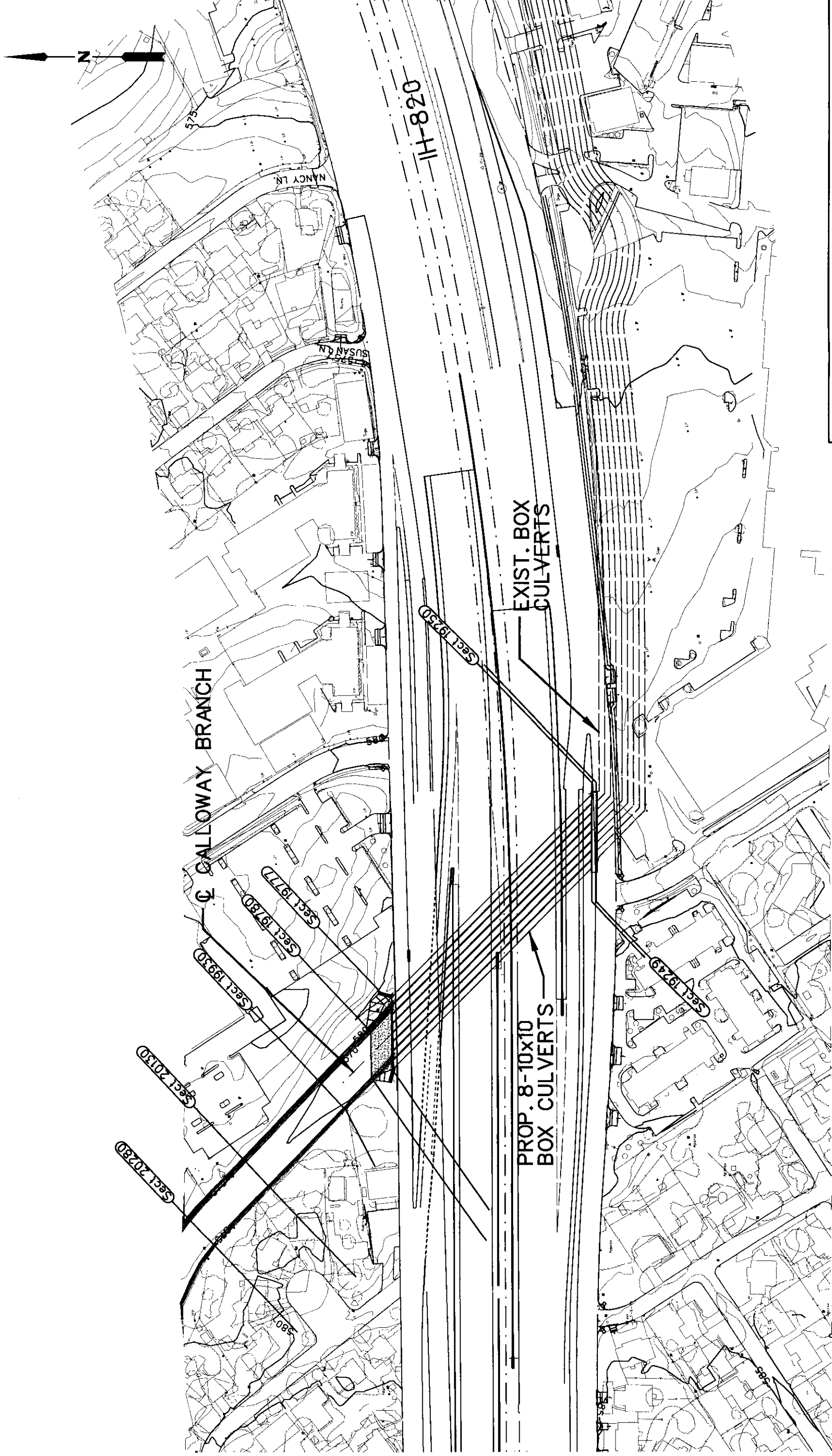


EXHIBIT VII

HEC-2 STUDY

CROSS SECTION LAYOUT

RUNOFF CURVE NUMBER COMPUTATION

Version 2.10

Project : User: Date: 07-11-2002
 County : State: Checked: Date:
 Subtitle:
 Subarea : 4.94

COVER DESCRIPTION	Hydrologic Soil Group			
	A	B	C	D
Acres (CN)				

FULLY DEVELOPED URBAN AREAS (Veg Estab.)				
Open space (Lawns,parks etc.)				
Good condition; grass cover > 75%	-	2.12 (61)	-	-
Streets and roads				
Paved; curbs and storm sewers	-	0.25 (98)	-	-
Urban Districts	Avg % imperv			
Commercial & business	85	-	.1 (92)	-
Residential districts	Avg % imperv			
(by average lot size)				
1/4 acre	38	-	2.47 (75)	-
Total Area (by Hydrologic Soil Group)		4.94		
		====		

SUBAREA: 4.94 TOTAL DRAINAGE AREA: 4.94 Acres WEIGHTED CURVE NUMBER: 71*

* - Generated for use by GRAPHIC method

TIME OF CONCENTRATION AND TRAVEL TIME

Version 2.10

Project : User: Date: 07-11-2002
County : State: Checked: _____ Date: _____
Subtitle:

Flow Type	2 year rain	Length (ft)	Slope (ft/ft)	Surface code	n	Area (sq/ft)	Wp (ft)	Velocity (ft/sec)	Time (hr)
Sheet	4.1	300	.02	g					0.777
Shallow Concent'd		550	.01	u					0.095
Open Channel		22300						10.4	0.596
Time of Concentration = 1.47*									=====

--- Sheet Flow Surface Codes ---

A Smooth Surface	F Grass, Dense
B Fallow (No Res.)	G Grass, Burmuda
C Cultivated < 20 % Res.	H Woods, Light
D Cultivated > 20 % Res.	I Woods, Dense
E Grass-Range, Short	J Range, Natural

--- Shallow Concentrated ---
--- Surface Codes ---
P Paved
U Unpaved

- Generated for use by GRAPHIC method

GRAPHICAL PEAK DISCHARGE METHOD

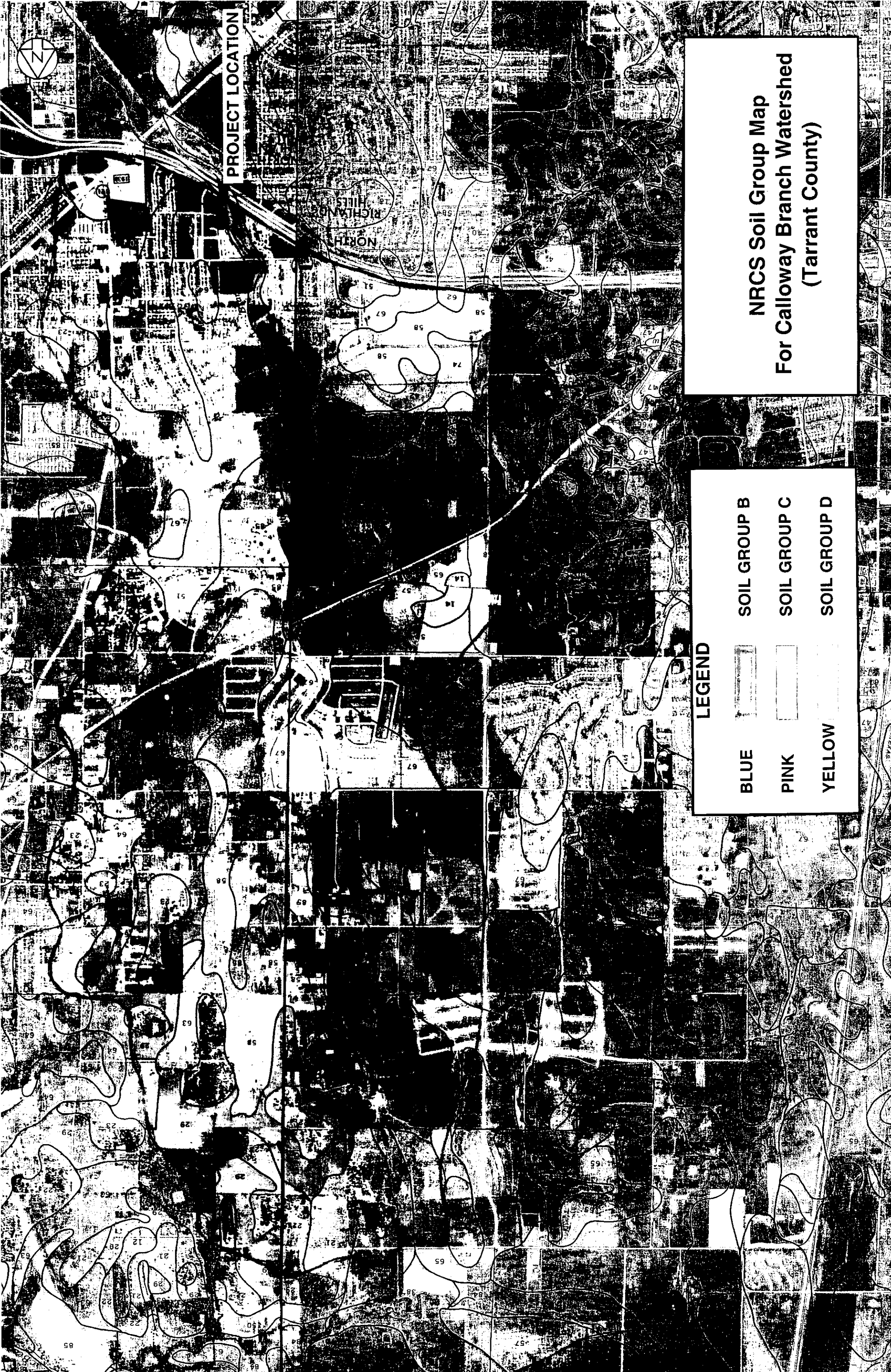
Version 2.10

Project : User: Date: 07-11-2002
 County : State: Checked: _____ Date: _____
 Subtitle:

Data: Drainage Area : 4.94 * Sq Mi
 Runoff Curve Number : 71 *
 Time of Concentration: 1.47 * Hours
 Rainfall Type : II
 Pond and Swamp Area : NONE

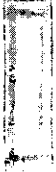
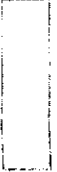

Storm Number	1	2	3	4
Frequency (yrs)	10	25	50	100
24-Hr Rainfall (in)	6.3	7.5	8.5	9.5
Ia/P Ratio	0.13	0.11	0.10	0.09
Used	0.13	0.11	0.10	0.10
Runoff (in)	3.14	4.15	5.02	5.91
Unit Peak Discharge (cfs/sqmi/in)	271	277	279	279
Pond and Swamp Factor 0.0% Ponds Used	1.00	1.00	1.00	1.00
Peak Discharge (cfs)	4214	5672	6916	8141

* - Value(s) provided from TR-55 system routines



PROJECT LOCATION

LEGEND

BLUE		SOIL GROUP B
PINK		SOIL GROUP C
YELLOW		SOIL GROUP D

NRCS Soil Group Map
For Calloway Branch Watershed
(Tarrant County)

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ALLOWAY BRANCH CHANNEL,
SUMMARY PRINTOUT

SECNO	Q	CWSEL	CRWS	EG	VLOB	VCH	VROB	K*XL	K*LNCH	K*XNR	.01K
13270.000	6250.00	553.08	.00	553.98	1.42	8.09	.00	75.00	35.00	.00	1270.36
13270.000	8470.00	554.06	.00	555.07	1.93	8.93	.00	75.00	35.00	.00	1659.04
13270.000	9610.00	554.49	.00	555.55	2.14	9.30	.00	75.00	35.00	.00	1852.12
13270.000	12430.00	555.49	.00	556.63	2.58	10.02	.00	75.00	35.00	.00	2348.92
13550.000	6250.00	553.43	.00	555.09	.00	10.32	.00	.00	35.00	.00	921.36
13550.000	8470.00	554.29	552.85	556.32	1.78	11.75	.00	75.00	35.00	.00	1167.68
13550.000	9610.00	554.63	554.45	556.89	2.11	12.52	.00	75.00	35.00	.00	1271.26
13550.000	12430.00	555.56	555.56	558.17	2.85	13.81	.00	75.00	35.00	.00	1579.97
13600.000	6250.00	553.77	.00	555.18	.28	9.53	.00	60.00	15.00	.00	2402.76
13600.000	8470.00	554.20	552.81	556.50	.40	12.18	.00	60.00	15.00	.00	2630.37
13600.000	9610.00	554.37	553.50	557.17	.54	13.48	.00	60.00	15.00	.00	2731.21
13600.000	12430.00	555.81	555.81	558.73	1.17	14.09	.00	60.00	15.00	.00	3707.25
13660.000	6250.00	553.73	.00	556.25	.00	12.74	.00	.00	15.00	.00	1733.89
13660.000	8470.00	554.10	.00	558.36	.00	16.56	.00	.00	15.00	.00	1844.91
13660.000	9610.00	557.41	556.91	559.25	1.08	11.78	1.04	60.00	15.00	60.00	3593.40
13660.000	12430.00	558.27	558.27	560.31	1.39	13.01	1.31	60.00	15.00	60.00	4398.75
13690.000	6250.00	554.08	.00	556.31	.00	11.99	.00	.00	15.00	.00	1878.96
13690.000	8470.00	556.49	553.70	558.61	.85	12.06	.83	60.00	15.00	60.00	2946.13
13690.000	9610.00	557.43	556.73	559.27	1.09	11.69	1.00	60.00	15.00	60.00	3633.76
13690.000	12430.00	558.16	558.11	560.40	1.42	13.33	1.27	60.00	15.00	60.00	4281.06
13780.000	6250.00	554.30	.00	556.42	.00	11.69	.00	.00	15.00	.00	1921.60
13780.000	8470.00	556.36	553.86	558.78	.72	12.60	.83	60.00	15.00	60.00	2761.22
13780.000	9610.00	556.95	554.67	559.58	.99	13.27	1.01	60.00	15.00	60.00	3079.04
13780.000	12430.00	558.12	558.12	561.19	1.50	14.77	1.19	60.00	15.00	60.00	3815.30
13870.000	6250.00	554.28	.00	556.57	.00	12.16	.00	.00	15.00	.00	1811.71
13870.000	8470.00	556.24	554.21	558.96	.68	13.31	.66	60.00	15.00	60.00	2542.96
13870.000	9610.00	556.70	554.88	559.83	.93	14.32	.79	60.00	15.00	60.00	2758.52
13870.000	12430.00	558.57	558.57	561.50	1.39	14.48	1.31	60.00	15.00	60.00	3917.84
13885.000	6250.00	554.28	.00	556.60	.00	12.21	.00	.00	15.00	.00	1799.04
13885.000	8470.00	556.24	554.25	558.99	.67	13.36	.66	60.00	15.00	60.00	2526.34
13885.000	9610.00	556.70	554.89	559.85	.93	14.37	.79	60.00	15.00	60.00	2742.35
13885.000	12430.00	558.59	558.59	561.52	1.39	14.50	1.32	60.00	15.00	60.00	3906.14
13955.000	6250.00	554.59	.00	556.70	.00	11.64	.00	.00	15.00	.00	1918.46
13955.000	8470.00	556.89	554.67	559.11	.48	11.99	.60	60.00	15.00	60.00	2969.67
13955.000	9610.00	557.55	555.35	559.99	.64	12.62	.76	60.00	15.00	60.00	3345.18
13955.000	12430.00	558.51	558.14	561.65	1.02	14.52	1.01	60.00	15.00	60.00	3992.91

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SECNO	Q	CWSEL	CRWS	EG	VLOB	VCH	VROB	K*XL	K*LNCH	K*XNR	.01K
13980.000	6250.00	553.89	553.89	557.10	.00	14.38	.00	.00	15.00	.00	1398.85
13980.000	8470.00	556.40	555.39	559.35	.34	13.80	.27	60.00	15.00	60.00	2355.76
13980.000	9610.00	556.97	556.14	560.28	.60	14.62	.53	60.00	15.00	60.00	2636.94

13980.000	12430.00	558.98	558.98	562.09	1.19	14.58	1.12	60.00	15.00	60.00	3911.26
14030.000	6250.00	554.18	554.18	557.38	.00	14.35	.00	.00	15.00	.00	1402.10
14030.000	8470.00	.00	.00	559.53	.22	14.62	.00	60.00	15.00	.00	2147.61
14030.000	9610.00	556.73	556.73	560.49	.55	15.57	.32	60.00	15.00	60.00	2377.01
14030.000	12430.00	559.03	559.03	562.28	1.21	14.92	1.22	60.00	15.00	60.00	3766.48
14100.000	6250.00	554.57	554.57	557.78	.00	14.37	.00	.00	15.00	.00	1401.22
14100.000	8470.00	556.38	556.38	559.89	.00	15.05	.45	.00	15.00	60.00	2057.12
14100.000	9610.00	557.66	557.66	560.72	.52	14.26	1.04	60.00	15.00	60.00	2705.37
14100.000	12430.00	560.53	.00	562.47	1.24	12.15	1.55	60.00	15.00	60.00	4940.26
14165.000	6250.00	554.97	554.97	558.14	.00	14.29	.00	.00	15.00	.00	1407.93
14165.000	8470.00	557.13	557.13	560.13	.71	14.04	1.01	55.00	15.00	55.00	2304.53
14165.000	9610.00	558.02	558.02	560.87	1.02	13.92	1.34	55.00	15.00	55.00	2823.51
14165.000	12430.00	560.49	.00	562.55	1.42	12.52	1.76	55.00	15.00	55.00	4766.89
14200.000	6250.00	555.24	555.24	558.57	.42	14.66	.41	55.00	15.00	55.00	1411.34
14200.000	8470.00	557.68	557.68	560.53	.96	13.87	1.21	55.00	15.00	55.00	2489.04
14200.000	9610.00	558.47	558.47	561.22	1.21	13.90	1.48	55.00	15.00	55.00	2979.54
14200.000	12430.00	560.23	559.71	562.70	1.68	13.80	1.88	55.00	15.00	55.00	4330.70
14261.000	6250.00	557.87	.00	558.86	.85	8.25	1.14	40.00	15.00	40.00	3040.12
14261.000	8470.00	559.96	.00	560.77	1.21	7.96	1.51	40.00	15.00	40.00	4850.99
14261.000	9610.00	560.68	.00	561.45	1.32	8.04	1.62	40.00	15.00	40.00	5668.35
14261.000	12430.00	562.18	.00	562.90	1.51	8.20	1.81	40.00	15.00	40.00	7746.88
14311.000	6250.00	557.87	.00	558.86	1.06	8.28	1.14	40.00	15.00	40.00	3001.19
14311.000	8470.00	559.98	.00	560.77	1.38	7.93	1.52	40.00	15.00	40.00	4841.94
14311.000	9610.00	560.69	.00	561.45	1.48	8.04	1.64	40.00	15.00	40.00	5632.76
14311.000	12430.00	562.17	.00	562.90	1.61	8.27	1.83	40.00	15.00	40.00	7635.52
14381.000	6250.00	556.88	556.01	559.35	1.09	12.69	1.00	40.00	15.00	40.00	1783.42
14381.000	8470.00	559.16	558.45	561.16	1.72	11.97	1.74	40.00	15.00	40.00	3051.62
14381.000	9610.00	559.90	559.15	561.83	1.86	12.05	1.95	40.00	15.00	40.00	3608.27
14381.000	12430.00	561.52	.00	563.21	2.15	11.97	2.19	40.00	15.00	40.00	5158.75
14431.000	6250.00	558.72	.00	559.54	.56	7.35	.37	60.00	15.00	60.00	3333.40
14431.000	8470.00	560.33	.00	561.29	.78	8.05	.64	60.00	15.00	60.00	4648.84
14431.000	9610.00	560.90	.00	561.94	.88	8.48	.73	60.00	15.00	60.00	5191.06
14431.000	12430.00	562.00	.00	563.28	1.10	9.55	.90	60.00	15.00	60.00	6377.43
14491.000	6250.00	558.73	.00	559.57	.41	7.36	.28	60.00	15.00	60.00	3210.01
14491.000	8470.00	560.32	.00	561.32	.68	8.10	.48	60.00	15.00	60.00	4482.79
14491.000	9610.00	560.88	.00	561.98	.78	8.58	.60	60.00	15.00	60.00	4994.35
14491.000	12430.00	561.95	.00	563.34	.97	9.73	.81	60.00	15.00	60.00	6103.66

SECNO	Q	CWSEL	CRISWS	EG	VLOB	VCH	VROB	K*XXNL	K*XXNCH	K*XXNR	.01K
14741.000	6250.00	558.82	.00	559.67	.17	7.63	.95	60.00	15.00	60.00	3060.48
14741.000	8470.00	560.50	.00	561.42	.42	8.08	1.19	60.00	15.00	60.00	4482.03
14741.000	9610.00	561.10	.00	562.09	.46	8.46	1.29	60.00	15.00	60.00	5065.46
14741.000	12430.00	562.33	.00	563.46	.71	9.27	1.47	60.00	15.00	60.00	6471.10
14811.000	6250.00	558.71	.00	559.77	.00	8.42	.81	.00	15.00	60.00	2691.03
14811.000	8470.00	560.44	.00	561.49	.59	8.64	1.09	60.00	15.00	60.00	4096.06
14811.000	9610.00	561.05	.00	562.15	.66	8.95	1.20	60.00	15.00	60.00	4693.72
14811.000	12430.00	562.30	.00	563.51	.85	9.66	1.43	60.00	15.00	60.00	6105.40
14846.000	6250.00	558.75	.00	559.81	.63	8.77	2.46	60.00	40.00	60.00	905.86

14846.000	8470.00	560.99	.00	561.56	1.58	7.08	2.66	60.00	40.00	60.00	1855.64
14846.000	9610.00	561.72	.00	562.23	1.65	6.87	2.73	60.00	40.00	60.00	2291.92
14846.000	12430.00	563.19	.00	563.61	1.80	6.60	2.86	60.00	40.00	60.00	3396.85
14991.000	6250.00	559.69	.00	560.37	.64	7.39	2.55	60.00	40.00	60.00	1186.13
14991.000	8470.00	561.29	.00	561.86	1.03	7.16	2.83	60.00	40.00	60.00	1884.95
14991.000	9610.00	561.96	.00	562.50	1.18	7.14	2.92	60.00	40.00	60.00	2248.59
14991.000	12430.00	563.35	.00	563.84	1.55	7.12	3.09	60.00	40.00	60.00	3187.97
15241.000	6250.00	560.46	.00	561.11	.00	7.42	2.54	.00	40.00	60.00	1111.15
15241.000	8470.00	561.88	.00	562.41	.00	7.05	2.85	.00	40.00	60.00	1743.50
15241.000	9610.00	562.50	.00	563.00	.00	6.97	2.97	.00	40.00	60.00	2074.83
15241.000	12430.00	563.77	.00	564.26	.61	7.07	3.24	60.00	40.00	60.00	2884.60
15491.000	6250.00	561.07	560.61	562.31	.00	9.52	2.35	.00	40.00	60.00	844.42
15491.000	8470.00	562.33	.00	563.32	.00	9.15	2.73	.00	40.00	60.00	1310.08
15491.000	9610.00	562.93	.00	563.79	.00	8.81	2.90	.00	40.00	60.00	1606.70
15491.000	12430.00	564.19	.00	564.89	.00	8.39	3.23	.00	40.00	60.00	2353.16
15741.000	6250.00	562.60	.00	563.36	2.86	7.84	2.30	60.00	40.00	60.00	1128.71
15741.000	8470.00	563.36	.00	564.27	3.45	8.87	2.91	60.00	40.00	60.00	1441.27
15741.000	9610.00	563.75	.00	564.71	3.69	9.25	3.17	60.00	40.00	60.00	1615.89
15741.000	12430.00	564.75	.00	565.74	4.08	9.72	3.55	60.00	40.00	60.00	2140.95
15991.000	6250.00	563.03	.00	564.68	2.72	10.47	1.46	60.00	40.00	75.00	797.11
15991.000	8470.00	563.54	563.30	566.05	3.55	13.00	1.99	60.00	40.00	75.00	911.67
15991.000	9610.00	564.16	564.16	566.72	3.87	13.30	2.31	60.00	40.00	75.00	1065.85
15991.000	12430.00	565.43	565.43	568.04	4.28	13.86	3.13	60.00	40.00	75.00	1458.21
16241.000	6250.00	564.81	.00	565.93	2.92	8.89	1.34	60.00	40.00	75.00	1006.41
16241.000	8470.00	566.31	.00	567.45	3.31	9.29	1.73	60.00	40.00	75.00	1468.35
16241.000	9610.00	566.92	.00	568.07	3.48	9.51	2.00	60.00	40.00	75.00	1699.09
16241.000	12430.00	568.08	.00	569.33	3.90	10.22	2.54	60.00	40.00	75.00	2201.62
16366.000	6250.00	565.14	.00	566.56	2.19	9.70	1.35	65.00	40.00	75.00	899.45
16366.000	8470.00	566.45	.00	568.10	2.59	10.68	2.02	65.00	40.00	75.00	1232.55
16366.000	9610.00	566.99	.00	568.73	2.85	11.12	2.35	65.00	40.00	75.00	1398.39
16366.000	12430.00	568.05	.00	570.04	3.38	12.18	2.94	65.00	40.00	75.00	1775.18

SECNO	Q	CWSEL	CRIWS	EG	VLOB	VCH	VROB	K*XNL	K*XNCH	K*XNR	.01K
16491.000	6250.00	565.88	.00	567.14	2.06	9.13	1.26	65.00	40.00	70.00	962.14
16491.000	8470.00	567.21	.00	568.66	2.60	10.03	1.67	65.00	40.00	70.00	1322.07
16491.000	9610.00	567.75	.00	569.29	2.78	10.47	1.82	65.00	40.00	70.00	1494.86
16491.000	12430.00	568.92	.00	570.62	3.26	11.30	2.39	65.00	40.00	70.00	1937.55
16591.000	6250.00	566.91	.00	567.45	.54	5.89	.00	65.00	35.00	.00	1572.13
16591.000	8470.00	568.34	.00	568.98	1.02	6.44	.00	65.00	35.00	.00	2170.31
16591.000	9610.00	568.94	.00	569.62	1.21	6.69	.00	65.00	35.00	.00	2466.88
16591.000	12430.00	570.19	.00	570.95	1.66	7.21	.17	65.00	35.00	70.00	3197.30
16691.000	6250.00	567.20	.00	567.60	.00	5.07	.00	.00	35.00	.00	1879.87
16691.000	8470.00	568.63	.00	569.13	.00	5.66	.00	.00	35.00	.00	2426.95
16691.000	9610.00	569.22	.00	569.77	.00	5.93	.00	.00	35.00	.00	2660.02
16691.000	12430.00	570.43	.00	571.10	.26	6.59	.29	65.00	35.00	70.00	3267.09
17141.000	6250.00	567.68	.00	568.24	.00	6.00	.00	.00	35.00	.00	1558.12
17141.000	8470.00	569.14	.00	569.82	.00	6.63	.00	.00	35.00	.00	2059.54
17141.000	9610.00	569.76	.00	570.51	.00	6.94	.00	.00	35.00	.00	2291.32
17141.000	12430.00	570.99	.00	571.92	.00	7.72	.46	.00	35.00	70.00	2851.78

17367.000	6250.00	567.81	.00	568.36	.00	5.94	.34	.00	15.00	35.00	3864.19
17367.000	8470.00	569.25	.00	569.95	.00	6.72	.73	.00	15.00	35.00	5157.43
17367.000	9610.00	569.86	.00	570.65	.30	7.11	.87	35.00	15.00	35.00	5784.29
17367.000	12430.00	571.07	.00	572.09	.67	8.11	1.18	35.00	15.00	35.00	7121.88
17398.000	6250.00	567.65	.00	568.44	.00	7.17	.00	.00	15.00	.00	3155.95
17398.000	8470.00	569.04	.00	570.06	.00	8.11	.00	.00	15.00	.00	4125.97
17398.000	9610.00	569.62	.00	570.77	.00	8.59	.00	.00	15.00	.00	4566.90
17398.000	12430.00	570.75	.00	572.24	.00	9.81	.00	.00	15.00	.00	5482.09
17496.000	6250.00	568.38	.00	569.22	.00	7.37	.00	.00	15.00	.00	2983.53
17496.000	8470.00	570.41	.00	571.32	.00	7.65	.00	.00	15.00	.00	4415.67
17496.000	9610.00	571.40	.00	572.33	.00	7.74	.00	.00	15.00	.00	5262.97
17496.000	12430.00	573.29	.00	574.36	.00	8.28	.00	.00	15.00	.00	7103.90
17523.000	5600.00	568.15	.00	569.41	.00	9.03	.00	.00	15.00	.00	1288.43
17523.000	7550.00	570.09	.00	571.56	.00	9.74	.00	.00	15.00	.00	1701.35
17523.000	8450.00	571.08	.00	572.58	.00	9.85	.00	.00	15.00	.00	1949.72
17523.000	10580.00	573.00	568.53	574.58	1.31	10.17	.92	35.00	15.00	35.00	2641.38
18079.000	5600.00	568.62	.00	570.88	.00	12.06	.00	.00	15.00	.00	888.66
18079.000	7550.00	571.36	.00	573.25	.00	11.05	.00	.00	15.00	.00	1454.99
18079.000	8450.00	573.21	.00	574.80	.00	10.14	.00	.00	15.00	.00	1861.00
18079.000	10580.00	575.80	.00	577.36	.00	10.02	.00	.00	15.00	.00	2719.76
18080.000	5600.00	569.42	.00	571.02	.00	10.13	.00	.00	25.00	.00	867.28
18080.000	7550.00	571.76	.00	573.32	.00	10.03	.00	.00	25.00	.00	1416.87
18080.000	8450.00	573.48	.00	574.85	.00	9.39	.00	.00	25.00	.00	1877.89
18080.000	10580.00	576.00	.00	577.40	.00	9.49	.00	.00	25.00	.00	2620.83

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SECNO	Q	CWSEL	CRIWS	EG	VLOB	VCH	VROB	K*XL	K*LNCH	K*XNR	.01K
18163.000	5600.00	569.85	.00	571.37	.00	9.88	.00	.00	25.00	.00	903.82
18163.000	7550.00	571.99	.00	573.57	.00	10.07	.00	.00	25.00	.00	1409.51
18163.000	8450.00	573.64	.00	575.04	.00	9.49	.00	.00	25.00	.00	1845.97
18163.000	10580.00	576.12	.00	577.55	.00	9.59	.00	.00	25.00	.00	2575.23
18164.000	5600.00	569.73	.00	571.46	.00	10.54	.00	.00	15.00	.00	1058.43
18164.000	7550.00	571.86	.00	573.66	.00	10.76	.00	.00	15.00	.00	1504.46
18164.000	8450.00	573.53	.00	575.11	.00	10.09	.00	.00	15.00	.00	1875.81
18164.000	10580.00	576.04	.00	577.61	.00	10.06	.00	.00	15.00	.00	2706.34
19249.000	5600.00	570.65	.00	576.52	.00	19.44	.00	.00	15.00	.00	466.91
19249.000	7550.00	572.66	.00	577.06	.00	16.83	.00	.00	15.00	.00	849.53
19249.000	8450.00	576.47	.00	578.42	.00	11.20	.00	.00	15.00	.00	1645.69
19249.000	10580.00	579.96	.00	581.54	.00	10.08	.00	.00	15.00	.00	2695.78
19250.000	5600.00	576.70	572.48	577.53	.00	7.32	.00	.00	15.00	.00	1675.05
19250.000	7550.00	575.65	573.65	577.56	.00	11.10	.00	.00	15.00	.00	1448.25
19250.000	8450.00	576.44	.00	578.44	.00	11.35	.00	.00	15.00	.00	1618.36
19250.000	10580.00	579.95	.00	581.55	.00	10.16	.00	.00	15.00	.00	2661.81
19700.000	5600.00	578.71	.00	579.58	.20	7.89	.59	70.00	15.00	85.00	2725.06
19700.000	7550.00	579.94	.00	580.84	.40	8.45	.72	70.00	15.00	85.00	3755.00
19700.000	8450.00	580.98	.00	581.65	.51	7.67	.72	70.00	15.00	85.00	4962.33
19700.000	10580.00	582.23	.00	582.81	.65	7.57	.78	70.00	15.00	85.00	6769.83
19780.000	5600.00	578.53	575.81	579.71	.00	8.87	.56	.00	15.00	75.00	2405.80
19780.000	7550.00	579.59	.00	581.04	.00	10.07	.83	.00	15.00	75.00	3061.66

19780.000	8450.00	580.59	.00	581.86	.00	9.66	.91	.00	15.00	75.00	3786.12
19780.000	10580.00	581.71	.00	583.06	.01	10.27	1.07	50.00	15.00	75.00	4727.10
19930.000	5600.00	578.41	576.27	579.90	.00	9.81	.44	.00	15.00	75.00	2081.47
19930.000	7550.00	579.32	577.66	581.31	.00	11.53	.72	.00	15.00	75.00	2547.88
19930.000	8450.00	580.34	578.72	582.10	.00	11.05	.85	.00	15.00	75.00	3170.99
19930.000	10580.00	581.43	580.26	583.31	.00	11.73	1.07	.00	15.00	75.00	3979.26
19980.000	5600.00	578.40	576.39	579.95	.00	10.01	.32	.00	15.00	75.00	2001.98
19980.000	7550.00	579.28	577.71	581.40	.00	11.81	.66	.00	15.00	75.00	2439.84
19980.000	8450.00	580.30	578.85	582.17	.00	11.33	.83	.00	15.00	75.00	3041.34
19980.000	10580.00	581.37	580.34	583.39	.00	12.07	1.08	.00	15.00	75.00	3802.95
20130.000	5600.00	578.39	576.83	580.14	.00	10.64	.30	.00	15.00	75.00	1821.01
20130.000	7550.00	579.18	578.32	581.67	.00	12.74	.64	.00	15.00	75.00	2180.22
20130.000	8450.00	580.16	579.15	582.41	.00	12.28	.79	.00	15.00	75.00	2709.84
20130.000	10580.00	581.22	580.78	583.64	.00	13.04	1.08	.00	15.00	75.00	3413.06
20280.000	5600.00	578.36	.00	580.38	.00	11.41	.22	.00	15.00	75.00	1636.04
20280.000	7550.00	579.00	578.63	582.04	.00	13.99	.44	.00	15.00	75.00	1898.37
20280.000	8450.00	579.77	579.27	582.82	.00	14.07	.63	.00	15.00	75.00	2239.11
20280.000	10580.00	581.04	581.04	584.32	.00	14.79	1.00	.00	15.00	75.00	2903.28

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SECNO	Q	CWSEL	CRWS	EG	VLOB	VCH	VROB	K*XML	K*XNCH	K*XNFR	.01K
20430.000	5600.00	578.35	.00	580.66	.00	12.19	.00	.00	15.00	.00	1479.82
20430.000	7550.00	578.98	578.98	582.45	.00	14.93	.18	.00	15.00	75.00	1713.14
20430.000	8450.00	579.62	579.48	583.24	.00	15.26	.47	.00	15.00	75.00	1976.96
20430.000	10580.00	581.21	581.21	584.91	.26	15.54	.82	50.00	15.00	75.00	2725.03
20540.000	5600.00	578.29	.00	580.93	.00	13.04	.00	.00	15.00	.00	1342.29
20540.000	7550.00	579.34	579.34	582.82	.00	14.97	.00	.00	15.00	.00	1712.74
20540.000	8450.00	579.94	579.94	583.62	.00	15.40	.15	.00	15.00	75.00	1947.07
20540.000	10580.00	581.96	581.96	585.22	.69	14.70	.92	50.00	15.00	75.00	2969.46
20580.000	5600.00	578.30	.00	581.04	.00	13.28	.00	.00	15.00	.00	1304.50
20580.000	7550.00	579.44	579.44	582.92	.00	14.98	.00	.00	15.00	.00	1707.86
20580.000	8450.00	580.03	580.03	583.73	.00	15.44	.21	.00	15.00	75.00	1938.42
20580.000	10580.00	582.10	582.10	585.40	.83	14.73	.80	50.00	15.00	75.00	2978.06
20630.000	5600.00	578.35	578.25	581.15	.00	13.43	.00	.00	15.00	.00	1278.98
20630.000	7550.00	579.53	579.44	583.02	.00	15.00	.00	.00	15.00	.00	1698.93
20630.000	8450.00	581.45	580.54	583.92	.00	12.75	.81	.00	15.00	75.00	2547.33
20630.000	10580.00	583.34	581.93	585.56	.72	12.38	1.18	50.00	15.00	75.00	3697.24
20780.000	5600.00	578.66	578.66	581.60	.00	13.76	.00	.00	15.00	.00	1235.25
20780.000	7550.00	580.03	580.03	583.49	.00	14.93	.00	.00	15.00	.00	1716.46
20780.000	8450.00	581.13	.00	584.34	.00	14.37	.00	.00	15.00	.00	2151.22
20780.000	10580.00	582.69	582.47	586.06	.53	14.81	.61	50.00	15.00	75.00	2898.02
20930.000	5600.00	579.08	579.08	581.97	.00	13.64	.00	.00	15.00	.00	1245.17
20930.000	7550.00	580.40	580.40	583.84	.00	14.89	.00	.00	15.00	.00	1712.49
20930.000	8450.00	581.22	.00	584.65	.00	14.85	.00	.00	15.00	.00	2034.15
20930.000	10580.00	582.68	582.55	586.37	.71	15.45	.37	50.00	15.00	75.00	2712.22
21000.000	5600.00	579.29	579.29	582.19	.00	13.66	.00	.00	15.00	.00	1244.82
21000.000	7550.00	580.62	580.62	584.07	.00	14.90	.00	.00	15.00	.00	1715.72
21000.000	8450.00	581.21	581.21	584.87	.00	15.35	.00	.00	15.00	.00	1942.47
21000.000	10580.00	583.08	583.08	586.56	.89	15.05	.00	50.00	15.00	.00	2808.52

21069.000	5600.00	579.48	579.48	582.39	.00	13.68	.00	.00	15.00	.00	1244.01
21069.000	7550.00	580.82	580.82	584.28	.00	14.92	.00	.00	15.00	.00	1713.74
21069.000	8450.00	581.38	581.38	585.08	.00	15.42	.00	50.00	15.00	.00	1931.72
21069.000	10580.00	583.50	583.50	586.72	1.02	14.55	.00		15.00	.00	2929.41
21119.000	5600.00	582.82	582.82	584.00	.00	8.72	.00	.00	15.00	.00	2455.19
21119.000	7550.00	580.98	580.98	584.46	.00	14.96	.00	.00	15.00	.00	1712.59
21119.000	8450.00	581.59	581.59	585.26	.00	15.38	.00	.00	15.00	.00	1944.61
21119.000	10580.00	582.81	582.81	587.03	.00	16.48	.00	.00	15.00	.00	2452.11
21169.000	5600.00	582.82	582.82	584.04	.00	8.84	.00	.00	15.00	.00	2402.53
21169.000	7550.00	581.11	581.11	584.58	.00	14.95	.00	.00	15.00	.00	1711.74
21169.000	8450.00	581.67	581.67	585.38	.00	15.46	.00	.00	15.00	.00	1927.56
21169.000	10580.00	582.94	582.94	587.15	.00	16.46	.00	.00	15.00	.00	2453.61
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SECNO	Q	CWSEL	CRIWS	EG	VLOB	VCH	VROB	K*XNL	K*XNCH	K*XNR	.01K
21230.000	5600.00	582.84	.00	584.08	.00	8.94	.00	.00	15.00	.00	2353.71
21230.000	7550.00	581.26	581.26	584.71	.00	14.91	.00	.00	15.00	.00	1713.51
21230.000	8450.00	581.83	581.83	585.51	.00	15.39	.00	.00	15.00	.00	1933.49
21230.000	10580.00	583.09	583.08	587.26	.00	16.39	.00	.00	15.00	.00	2459.86
21400.000	5600.00	583.64	583.64	586.04	.00	12.42	.00	.00	40.00	.00	458.72
21400.000	7550.00	585.11	585.11	587.44	1.81	12.37	1.38	75.00	40.00	75.00	724.79
21400.000	8450.00	585.67	585.67	587.96	2.09	12.37	1.72	75.00	40.00	75.00	854.69
21400.000	10580.00	587.06	587.06	588.84	2.24	11.46	1.92	75.00	40.00	75.00	1312.64
21600.000	5600.00	586.74	.00	587.24	1.33	6.96	1.76	75.00	40.00	75.00	1124.79
21600.000	7550.00	588.01	.00	588.32	1.46	6.13	1.77	75.00	40.00	75.00	1914.17
21600.000	8450.00	588.48	.00	588.76	1.51	5.96	1.77	75.00	40.00	75.00	2282.37
21600.000	10580.00	589.25	.00	589.50	1.67	6.05	1.85	75.00	40.00	75.00	2970.03
21830.000	5600.00	586.61	586.54	588.74	.89	12.00	2.52	75.00	40.00	75.00	564.04
21830.000	7550.00	588.15	588.15	590.01	1.47	11.72	2.73	75.00	40.00	75.00	906.14
21830.000	8450.00	588.64	588.64	590.42	1.76	11.72	2.80	75.00	40.00	75.00	1058.11
21830.000	10580.00	589.42	589.42	591.21	2.19	12.26	3.10	75.00	40.00	75.00	1347.04
22012.000	5600.00	589.08	.00	589.48	1.62	5.76	1.37	75.00	40.00	75.00	1447.82
22012.000	7550.00	590.25	.00	590.63	1.81	5.96	1.63	75.00	40.00	75.00	2064.27
22012.000	8450.00	590.63	.00	591.02	1.90	6.17	1.73	75.00	40.00	75.00	2294.02
22012.000	10580.00	591.40	.00	591.82	2.01	6.62	1.93	75.00	40.00	75.00	2816.38
22362.000	5600.00	589.72	.00	589.96	1.15	4.96	1.55	75.00	40.00	75.00	1612.57
22362.000	7550.00	590.83	.00	591.06	1.13	5.14	1.73	75.00	40.00	75.00	2298.79
22362.000	8450.00	591.22	.00	591.45	1.21	5.28	1.80	75.00	40.00	75.00	2576.35
22362.000	10580.00	592.01	.00	592.26	1.36	5.60	1.93	75.00	40.00	75.00	3216.88
22422.000	5600.00	589.68	.00	590.02	.67	5.70	.87	75.00	20.00	75.00	2890.55
22422.000	7550.00	590.78	.00	591.13	.79	6.04	.99	75.00	20.00	75.00	3998.66
22422.000	8450.00	591.16	.00	591.52	.83	6.26	1.04	75.00	20.00	75.00	4440.80
22422.000	10580.00	591.95	.00	592.34	.92	6.73	1.15	75.00	20.00	75.00	5448.43
22452.000	5600.00	589.63	.00	590.02	.66	5.78	.88	75.00	20.00	75.00	2775.87
22452.000	7550.00	590.71	.00	591.13	.79	6.23	1.01	75.00	20.00	75.00	3789.43
22452.000	8450.00	591.08	.00	591.52	.84	6.49	1.07	75.00	20.00	75.00	4190.60
22452.000	10580.00	591.85	.00	592.34	.95	7.04	1.18	75.00	20.00	75.00	5100.70
22492.000	5600.00	589.35	.00	590.20	1.68	7.94	1.85	75.00	40.00	60.00	942.26
22492.000	7550.00	590.55	.00	591.24	1.40	7.73	2.27	75.00	40.00	60.00	1452.72
22492.000	8450.00	590.96	.00	591.62	1.37	7.74	2.38	75.00	40.00	60.00	1676.53

22492.000	10580.00	591.80	.00	592.41	1.45	7.78	2.55	75.00	40.00	60.00	2222.53
22912.000	5600.00	590.85	.00	591.22	1.12	5.47	1.81	75.00	40.00	60.00	1386.57
22912.000	7550.00	591.74	.00	592.15	1.20	5.92	2.10	75.00	40.00	60.00	1873.18
22912.000	8450.00	592.09	.00	592.50	1.24	6.10	2.21	75.00	40.00	60.00	2093.42
22912.000	10580.00	592.80	.00	593.23	1.41	6.43	2.43	75.00	40.00	60.00	2628.71
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SECNO	Q	CWSEL	CRWS	EG	VLOB	VCH	VROB	K*XXL	K*XXCH	K*XXR	.01K
23262.000	5600.00	591.60	.00	592.03	.00	6.23	2.93	.00	40.00	55.00	955.09
23262.000	7550.00	592.48	.00	592.90	.58	6.37	3.29	55.00	40.00	55.00	1363.71
23262.000	8450.00	592.81	.00	593.25	.81	6.50	3.38	55.00	40.00	55.00	1556.93
23262.000	10580.00	593.50	.00	593.96	1.18	6.82	3.56	55.00	40.00	55.00	1997.93
23516.000	5600.00	592.48	.00	592.80	.54	4.81	1.92	55.00	40.00	55.00	1090.56
23516.000	7550.00	593.25	.00	593.59	.95	5.09	2.19	55.00	40.00	55.00	1563.33
23516.000	8450.00	593.56	.00	593.91	1.09	5.21	2.29	55.00	40.00	55.00	1781.09
23516.000	10580.00	594.22	.00	594.58	1.39	5.44	2.46	55.00	40.00	55.00	2317.93
24000.000	4990.00	593.75	.00	594.10	1.68	5.05	.00	55.00	35.00	.00	957.92
24000.000	6460.00	594.37	.00	594.74	1.95	5.24	.43	55.00	35.00	55.00	1320.02
24000.000	7120.00	594.63	.00	595.00	2.06	5.31	.59	55.00	35.00	55.00	1496.70
24000.000	8810.00	595.21	.00	595.60	2.29	5.53	.88	55.00	35.00	55.00	1933.28
24322.000	4990.00	594.52	.00	594.98	.00	5.48	.55	.00	35.00	55.00	991.36
24322.000	6460.00	595.08	.00	595.66	.00	6.17	.97	.00	35.00	55.00	1187.19
24322.000	7120.00	595.30	.00	595.93	.00	6.44	1.13	.00	35.00	55.00	1274.84
24322.000	8810.00	595.81	.00	596.55	.00	7.03	1.49	.00	35.00	55.00	1496.40
24472.000	4990.00	594.88	.00	595.33	.00	5.44	.73	.00	35.00	55.00	1071.47
24472.000	6460.00	595.48	.00	596.06	.00	6.17	1.09	.00	35.00	55.00	1312.84
24472.000	7120.00	595.71	.00	596.36	.00	6.48	1.23	.00	35.00	55.00	1413.61
24472.000	8810.00	596.25	.00	597.02	.35	7.17	1.61	55.00	35.00	55.00	1677.89
24722.000	4990.00	595.43	.00	595.87	.00	5.30	.00	.00	35.00	.00	1093.54
24722.000	6460.00	596.11	.00	596.66	.19	5.94	.19	55.00	35.00	55.00	1334.87
24722.000	7120.00	596.38	.00	596.98	.43	6.21	.43	55.00	35.00	55.00	1457.00
24722.000	8810.00	596.96	.00	597.69	.83	6.86	.83	55.00	35.00	55.00	1753.80
25322.000	4990.00	596.51	.00	596.88	.00	4.85	.00	.00	35.00	.00	1344.49
25322.000	6460.00	597.35	.00	597.81	.00	5.42	.00	.00	35.00	.00	1635.46
25322.000	7120.00	597.67	.00	598.16	.00	5.66	.00	.00	35.00	.00	1755.56
25322.000	8810.00	598.36	.00	598.97	.37	6.26	.37	55.00	35.00	55.00	2076.26
25972.000	4990.00	597.52	.00	598.03	.00	5.74	.00	.00	35.00	.00	1069.78
25972.000	6460.00	598.45	.00	599.05	.00	6.22	.47	.00	35.00	55.00	1374.44
25972.000	7120.00	598.80	.00	599.44	.00	6.42	.69	.00	35.00	55.00	1510.37
25972.000	8810.00	599.59	.00	600.32	.00	6.92	1.11	.00	35.00	55.00	1841.18
* 26027.000	4990.00	596.72	596.59	598.68	5.03	12.08	1.30	55.00	35.00	55.00	527.11
* 26027.000	6460.00	597.52	597.52	599.79	5.48	13.19	2.12	55.00	35.00	55.00	684.00
* 26027.000	7120.00	598.29	598.29	600.19	5.22	12.30	2.52	55.00	35.00	55.00	873.92
* 26027.000	8810.00	599.12	599.12	600.99	5.49	12.59	2.87	55.00	35.00	55.00	1139.56
* 26077.000	4990.00	598.00	.00	599.44	.00	9.60	.01	.00	15.00	75.00	1551.58
* 26077.000	6460.00	597.89	597.73	600.40	.00	12.72	.00	.00	15.00	.00	1501.73
* 26077.000	7120.00	598.29	598.23	600.92	.00	13.02	.23	.00	15.00	75.00	1655.74
* 26077.000	8810.00	599.76	599.74	601.97	.00	12.10	.68	.00	15.00	75.00	2369.95

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SECNO	Q	CWSEL	CRWS	EG	VLOB	VCH	VROB	K*XML	K*XNCH	K*XNR	.01K
26142.000	4990.00	598.63	.00	599.60	.00	7.89	.79	.00	35.00	55.00	796.99
26142.000	5460.00	599.57	.00	600.71	.00	8.59	1.44	.00	35.00	55.00	1033.71
26142.000	7120.00	600.07	.00	601.23	.13	8.67	1.41	75.00	35.00	55.00	1179.61
26142.000	8810.00	601.11	.00	602.21	.73	8.68	1.69	75.00	35.00	55.00	1614.57
26800.000	4730.00	601.74	.00	602.66	.00	7.72	.00	.00	35.00	.00	628.30
26800.000	6260.00	602.63	.00	603.66	.00	8.19	.90	.00	35.00	55.00	867.61
26800.000	6930.00	602.95	.00	604.04	.00	8.43	1.16	.00	35.00	55.00	971.81
26800.000	8740.00	603.53	.00	604.85	.00	9.29	1.66	.00	35.00	55.00	1192.78
27365.000	4730.00	603.89	.00	604.38	.00	5.63	1.11	.00	35.00	55.00	1110.08
27365.000	6260.00	604.77	.00	605.37	.39	6.31	1.63	75.00	35.00	55.00	1443.31
27365.000	6930.00	605.10	.00	605.74	.52	6.57	1.80	75.00	35.00	55.00	1587.53
27365.000	8740.00	605.88	.00	606.63	.79	7.20	2.15	75.00	35.00	55.00	1966.92
28150.000	4730.00	605.68	.00	607.13	.00	9.64	.00	.00	35.00	.00	580.49
28150.000	6260.00	606.50	.00	608.32	.00	10.84	.00	.00	35.00	.00	737.23
28150.000	6930.00	606.80	.00	608.80	.00	11.35	.00	.00	35.00	.00	799.32
28150.000	8740.00	607.47	.00	609.98	.00	12.74	.00	.00	35.00	.00	947.76
28637.000	4730.00	607.97	.00	608.69	.00	6.81	.00	.00	25.00	.00	1127.90
28637.000	6260.00	609.07	.00	609.88	.00	7.20	.00	.00	25.00	.00	1554.58
28637.000	6930.00	609.52	.00	610.35	.00	7.34	.00	.00	25.00	.00	1748.52
28637.000	8740.00	610.61	.00	611.53	.50	7.71	.50	50.00	25.00	50.00	2324.45
28817.000	3830.00	607.74	.00	609.40	.00	10.31	.00	.00	25.00	.00	632.84
28817.000	5040.00	608.63	.00	610.66	.00	11.45	.00	.00	25.00	.00	793.96
28817.000	5580.00	608.97	.00	611.18	.00	11.94	.00	.00	25.00	.00	860.85
28817.000	7030.00	609.81	.00	612.44	.00	13.02	.00	.00	25.00	.00	1043.47
28877.000	3830.00	608.27	.00	609.62	.00	9.32	.00	.00	25.00	.00	724.26
28877.000	5040.00	609.30	.00	610.91	.00	10.19	.00	.00	25.00	.00	928.75
28877.000	5580.00	609.75	.00	611.44	.00	10.44	.00	.00	25.00	.00	1029.81
28877.000	7030.00	610.81	.00	612.73	.56	11.12	.00	50.00	25.00	.00	1297.26
28897.000	3830.00	610.00	.00	611.16	.00	8.64	.00	.00	35.00	.00	653.11
28897.000	5040.00	611.51	.00	612.84	.00	9.26	.00	.00	35.00	.00	863.72
28897.000	5580.00	612.12	.00	613.52	.00	9.50	.00	.00	35.00	.00	957.90
28897.000	7030.00	612.10	.00	614.33	.00	12.00	.00	.00	35.00	.00	954.80
28967.000	3830.00	611.26	.00	611.31	.36	2.02	.74	45.00	35.00	45.00	2616.12
28967.000	5040.00	612.97	.00	612.99	.46	1.52	.65	45.00	35.00	45.00	5411.27
28967.000	5580.00	613.66	.00	613.67	.46	1.39	.63	45.00	35.00	45.00	6952.61
28967.000	7030.00	614.55	.00	614.57	.51	1.40	.67	45.00	35.00	45.00	9335.52
29137.000	3830.00	611.28	.00	611.37	.48	2.68	1.00	45.00	35.00	45.00	1950.85
29137.000	5040.00	612.97	.00	613.02	.67	2.17	.83	45.00	35.00	45.00	3761.85
29137.000	5580.00	613.66	.00	613.70	.69	1.98	.81	45.00	35.00	45.00	4830.68
29137.000	7030.00	614.55	.00	614.59	.65	1.98	.86	45.00	35.00	45.00	6515.73

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SECNO	Q	CWSEL	CRWS	EG	VLOB	VCH	VROB	K*XML	K*XNCH	K*XNR	.01K
29442.000	3830.00	611.34	.00	611.54	1.29	3.90	1.05	45.00	35.00	45.00	1632.46
29442.000	5040.00	612.99	.00	613.11	1.27	3.35	1.03	45.00	35.00	45.00	2839.72
29442.000	5580.00	613.67	.00	613.77	1.17	3.10	.98	45.00	35.00	45.00	3565.80

29442.000	7030.00	614.57	.00	614.65	1.18	3.04	1.02	45.00	35.00	45.00	4845.02
29492.000	3830.00	611.20	.00	611.63	.32	5.27	.32	45.00	15.00	45.00	2820.73
29492.000	5040.00	612.81	.00	613.21	.58	5.37	.57	45.00	15.00	45.00	4045.21
29492.000	5580.00	613.50	.00	613.85	.63	5.23	.63	45.00	15.00	45.00	4789.35
29492.000	7030.00	614.38	.00	614.74	.75	5.53	.74	45.00	15.00	45.00	5992.12
29596.000	3830.00	611.61	.00	612.03	.39	5.26	.39	45.00	15.00	45.00	2837.62
29596.000	5040.00	612.78	.00	613.26	.61	5.79	.62	45.00	15.00	45.00	3663.58
29596.000	5580.00	613.40	.00	613.85	.66	5.77	.68	45.00	15.00	45.00	4228.04
29596.000	7030.00	614.26	.00	614.74	.78	6.18	.76	45.00	15.00	45.00	5235.63
29740.000	3830.00	611.70	.00	612.09	.00	5.04	.68	.00	35.00	75.00	994.32
29740.000	5040.00	612.90	.00	613.32	.42	5.27	.93	75.00	35.00	75.00	1416.83
29740.000	5580.00	613.51	.00	613.91	.55	5.23	.96	75.00	35.00	75.00	1678.75
29740.000	7030.00	614.35	.00	614.80	.80	5.64	1.10	75.00	35.00	75.00	2109.75
30400.000	3830.00	612.92	.00	613.52	.00	6.21	.66	.00	35.00	75.00	688.99
30400.000	5040.00	613.91	.00	614.59	.00	6.60	1.01	.00	35.00	75.00	960.29
30400.000	5580.00	614.38	.00	615.06	.00	6.68	1.13	.00	35.00	75.00	1100.00
30400.000	7030.00	615.18	.00	615.99	.16	7.30	1.39	75.00	35.00	75.00	1364.15
30890.000	3830.00	614.37	.00	614.86	.00	5.63	.31	.00	35.00	75.00	783.43
30890.000	5040.00	615.25	.00	615.84	.00	6.15	.70	.00	35.00	75.00	1039.56
30890.000	5580.00	615.64	.00	616.26	.00	6.33	.83	.00	35.00	75.00	1161.65
30890.000	7030.00	616.49	.00	617.20	.52	6.82	.88	75.00	35.00	75.00	1481.02
31244.000	2940.00	615.41	.00	615.89	.00	5.60	.00	.00	35.00	.00	467.41
31244.000	3870.00	616.35	.00	616.82	.00	5.48	.39	.00	35.00	70.00	665.35
31244.000	4290.00	616.75	.00	617.20	.00	5.39	.62	.00	35.00	70.00	771.08
31244.000	5400.00	617.65	.00	618.08	.00	5.28	.95	.00	35.00	70.00	1056.18
31800.000	2940.00	617.39	.00	618.05	.00	6.52	.00	.00	35.00	.00	489.41
31800.000	3870.00	618.14	.00	618.95	.27	7.22	.23	60.00	35.00	70.00	617.58
31800.000	4290.00	618.40	.00	619.29	.54	7.57	.39	60.00	35.00	70.00	676.27
31800.000	5400.00	619.01	.00	620.11	1.02	8.42	.80	60.00	35.00	70.00	828.17
32120.000	2940.00	618.55	.00	618.93	.48	4.90	.00	60.00	35.00	.00	650.88
32120.000	3870.00	619.40	.00	619.84	.86	5.31	.00	60.00	35.00	.00	878.44
32120.000	4290.00	619.73	.00	620.20	.99	5.50	.00	60.00	35.00	.00	975.46
32120.000	5400.00	620.50	.00	621.03	1.28	5.95	.36	60.00	35.00	70.00	1238.66
32571.000	2940.00	618.62	618.48	620.17	.50	10.03	.00	60.00	15.00	.00	671.31
32571.000	3870.00	619.29	619.29	621.14	.81	10.97	.00	60.00	15.00	.00	888.41
32571.000	4290.00	619.58	619.58	621.53	.92	11.31	.00	60.00	15.00	.00	990.30
32571.000	5400.00	620.64	620.64	622.36	1.00	10.86	.36	60.00	15.00	70.00	1487.15

SECNO	Q	CWSEL	CRWS	EG	VLOB	VCH	VROB	K*XML	K*XNCH	K*XNR	.01K
32647.000	2940.00	620.33	620.33	622.51	.00	11.87	.00	.00	15.00	.00	634.74
32647.000	3870.00	622.27	622.27	623.75	.68	10.03	.71	55.00	15.00	55.00	1233.33
32647.000	4290.00	622.70	622.70	624.04	.77	9.82	.83	55.00	15.00	55.00	1460.95
32647.000	5400.00	623.33	623.33	624.62	.90	10.16	.99	55.00	15.00	55.00	1890.47
32695.000	2940.00	620.60	620.52	622.69	.00	11.61	.00	.00	15.00	.00	651.08
32695.000	3870.00	622.41	622.41	623.84	.74	9.93	.74	55.00	15.00	55.00	1243.69
32695.000	4290.00	622.84	622.76	624.12	.84	9.70	.84	55.00	15.00	55.00	1476.61
32695.000	5400.00	623.48	623.48	624.70	.97	9.96	.97	55.00	15.00	55.00	1929.40
32751.000	2940.00	622.59	620.99	622.99	1.82	5.20	.74	55.00	35.00	45.00	584.26

32751.000	3870.00	623.63	.00	624.01	2.04	5.16	.77	55.00	35.00	45.00	909.81
32751.000	4290.00	623.88	.00	624.27	2.14	5.33	.79	55.00	35.00	45.00	1008.31
32751.000	5400.00	624.46	.00	624.84	1.72	5.48	1.13	55.00	35.00	45.00	1327.48
33072.000	1550.00	623.14	623.14	624.49	1.79	9.50	.00	55.00	35.00	.00	161.44
33072.000	2310.00	624.62	624.62	625.05	2.02	6.46	1.33	55.00	35.00	45.00	403.53
33072.000	2560.00	624.65	624.65	625.14	2.21	7.02	1.48	55.00	35.00	45.00	411.98
33072.000	3270.00	625.22	.00	625.45	1.92	5.47	1.71	55.00	35.00	45.00	695.41
33540.000	1550.00	625.98	.00	626.11	.00	3.99	1.38	.00	35.00	45.00	388.24
33540.000	2310.00	626.18	.00	626.36	.26	5.00	1.81	55.00	35.00	45.00	477.29
33540.000	2560.00	626.32	.00	626.49	.37	4.90	1.83	55.00	35.00	45.00	553.28
33540.000	3270.00	626.41	.00	626.64	.51	5.83	2.23	55.00	35.00	45.00	602.24
33932.000	1550.00	628.70	628.70	629.15	.83	6.15	1.15	55.00	35.00	45.00	272.80
33932.000	2310.00	629.02	629.02	629.44	1.20	6.67	1.56	55.00	35.00	45.00	393.56
33932.000	2560.00	629.09	629.09	629.52	1.29	6.88	1.68	55.00	35.00	45.00	427.07
33932.000	3270.00	629.25	629.25	629.71	1.53	7.52	2.01	55.00	35.00	45.00	510.52
34300.000	1160.00	629.85	.00	630.75	.00	7.62	.00	.00	35.00	.00	157.13
34300.000	1810.00	631.03	631.03	631.81	1.49	7.70	.00	55.00	35.00	.00	267.29
34300.000	2000.00	631.20	631.20	631.97	1.66	7.78	.00	55.00	35.00	.00	295.94
34300.000	2580.00	631.60	631.60	632.35	2.02	8.14	.00	55.00	35.00	.00	375.46
34702.000	1160.00	632.13	631.17	633.29	.55	8.67	.00	55.00	35.00	.00	139.15
34702.000	1810.00	633.60	633.60	634.43	1.62	8.05	.00	55.00	35.00	.00	261.60
34702.000	2000.00	633.90	633.90	634.58	1.62	7.65	.00	55.00	35.00	.00	310.40
34702.000	2580.00	634.28	634.28	634.89	1.78	7.79	.56	55.00	35.00	45.00	409.78
34872.000	1160.00	633.36	632.63	634.64	.79	9.16	.00	55.00	35.00	.00	124.48
34872.000	1810.00	634.79	.00	635.14	1.73	6.06	1.58	55.00	35.00	45.00	317.85
34872.000	2000.00	634.89	.00	635.25	1.84	6.22	1.75	55.00	35.00	45.00	343.16
34872.000	2580.00	635.21	.00	635.56	2.11	6.43	2.18	55.00	35.00	45.00	433.63
35100.000	1160.00	635.28	.00	635.56	1.09	4.78	.00	55.00	35.00	.00	264.47
35100.000	1810.00	635.45	.00	635.99	1.63	6.76	.00	55.00	35.00	.00	296.01
35100.000	2000.00	635.59	.00	636.13	1.75	6.97	.00	55.00	35.00	.00	320.52
35100.000	2580.00	635.93	.00	636.50	2.03	7.45	.00	55.00	35.00	.00	396.43

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36095.000	740.00	643.05	643.05	643.40	3.63	7.44	.72	65.00	50.00	75.00	36.52
36095.000	950.00	643.18	643.18	643.56	4.03	7.84	1.07	65.00	50.00	75.00	47.06
36095.000	1040.00	643.23	643.23	643.63	4.19	8.00	1.19	65.00	50.00	75.00	51.52
36095.000	1250.00	643.34	643.34	643.78	4.49	8.31	1.44	65.00	50.00	75.00	62.42
36435.000	740.00	645.55	.00	645.62	1.76	3.27	1.28	65.00	50.00	75.00	147.75
36435.000	950.00	645.82	.00	645.90	1.89	3.55	1.42	65.00	50.00	75.00	183.82
36435.000	1040.00	645.92	.00	646.00	1.94	3.64	1.46	65.00	50.00	75.00	199.50
36435.000	1250.00	646.12	.00	646.21	2.06	3.85	1.58	65.00	50.00	75.00	235.54
36845.000	740.00	647.89	647.89	648.40	2.07	7.24	1.72	65.00	45.00	75.00	75.67
36845.000	950.00	648.07	648.07	648.65	2.46	8.00	1.86	65.00	45.00	75.00	90.77
36845.000	1040.00	648.14	648.14	648.74	2.61	8.27	1.95	65.00	45.00	75.00	97.25
36845.000	1250.00	648.37	648.37	648.92	2.84	8.33	2.09	65.00	45.00	75.00	120.20
36975.000	740.00	648.48	648.48	649.44	.95	8.31	1.76	65.00	30.00	75.00	103.67
36975.000	950.00	649.04	649.04	649.88	1.38	8.28	1.53	65.00	30.00	75.00	145.61
36975.000	1040.00	649.21	649.21	650.03	1.48	8.36	1.47	65.00	30.00	75.00	161.93
36975.000	1250.00	649.53	649.53	650.33	1.67	8.59	1.43	65.00	30.00	75.00	197.79
37325.000	740.00	649.63	.00	650.29	.00	6.49	.34	.00	20.00	75.00	202.62
37325.000	950.00	649.89	.00	650.84	.00	7.84	.49	.00	20.00	75.00	221.63
37325.000	1040.00	650.00	.00	651.09	.00	8.38	.56	.00	20.00	75.00	229.78
37325.000	1250.00	650.17	649.45	651.62	.23	9.67	.59	65.00	20.00	75.00	245.70
37835.000	550.00	652.45	652.45	653.86	.00	9.52	.00	.00	20.00	.00	78.98
37835.000	700.00	653.00	653.00	654.56	.00	10.04	.00	.00	20.00	.00	101.90
37835.000	760.00	653.20	653.20	654.82	.00	10.22	.00	.00	20.00	.00	111.16
37835.000	920.00	653.70	653.70	655.46	.00	10.64	.00	.00	20.00	.00	136.14

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SECNO	Q	CWSEL	CRIWS	EG	VLOB	VCH	VROB	K*XNL	K*XNCH	K*XNR	.01K
38325.000	550.00	657.35	657.35	658.76	.00	9.50	.00	.00	20.00	.00	79.15
38325.000	700.00	657.91	657.91	659.46	.00	10.01	.00	.00	20.00	.00	102.25
38325.000	760.00	658.11	658.11	659.72	.00	10.19	.00	.00	20.00	.00	111.57
38325.000	920.00	658.61	658.61	660.36	.00	10.62	.00	.00	20.00	.00	136.61

CALLOWAY BRANCH CHANNEL,
SUMMARY PRINTOUT

SECNO	Q	CWSEL	CRIWS	EG	VLOB	VCH	VROB	K*XNL	K*XNCH	K*XNR	.01K
13270.000	6250.00	553.08	.00	553.98	1.42	8.09	.00	75.00	35.00	.00	1270.36
13270.000	8470.00	554.06	.00	555.07	1.93	8.93	.00	75.00	35.00	.00	1659.04
13270.000	9610.00	554.49	.00	555.55	2.14	9.30	.00	75.00	35.00	.00	1852.12
13270.000	12430.00	555.49	.00	556.63	2.58	10.02	.00	75.00	35.00	.00	2348.92
13550.000	6250.00	553.43	.00	555.09	.00	10.32	.00	.00	35.00	.00	921.36
13550.000	8470.00	554.29	552.85	556.32	1.78	11.75	.00	75.00	35.00	.00	1167.68
13550.000	9610.00	554.63	554.45	556.89	2.11	12.52	.00	75.00	35.00	.00	1271.26
13550.000	12430.00	555.56	555.56	558.17	2.85	13.81	.00	75.00	35.00	.00	1579.97
13600.000	6250.00	553.77	.00	555.18	.28	9.53	.00	60.00	15.00	.00	2402.76
13600.000	8470.00	554.20	552.81	556.50	.40	12.18	.00	60.00	15.00	.00	2630.37
13600.000	9610.00	554.37	553.50	557.17	.54	13.48	.00	60.00	15.00	.00	2731.21
13600.000	12430.00	555.81	555.81	558.73	1.17	14.09	.00	60.00	15.00	.00	3707.25
13660.000	6250.00	553.73	.00	556.25	.00	12.74	.00	.00	15.00	.00	1733.89
13660.000	8470.00	554.10	.00	558.36	.00	16.56	.00	.00	15.00	.00	1844.91
13660.000	9610.00	557.41	556.91	559.25	1.08	11.78	1.04	60.00	15.00	60.00	3593.40
13660.000	12430.00	558.27	558.27	560.31	1.39	13.01	1.31	60.00	15.00	60.00	4398.75
13690.000	6250.00	554.08	.00	556.31	.00	11.99	.00	.00	15.00	.00	1878.96
13690.000	8470.00	556.49	553.70	558.61	.85	12.06	.83	60.00	15.00	60.00	2946.13
13690.000	9610.00	557.43	556.73	559.27	1.09	11.69	1.00	60.00	15.00	60.00	3633.76
13690.000	12430.00	558.16	558.11	560.40	1.42	13.33	1.27	60.00	15.00	60.00	4281.06
13780.000	6250.00	554.30	.00	556.42	.00	11.69	.00	.00	15.00	.00	1921.60
13780.000	8470.00	556.36	553.86	558.78	.72	12.60	.83	60.00	15.00	60.00	2761.22
13780.000	9610.00	556.95	554.67	559.58	.99	13.27	1.01	60.00	15.00	60.00	3079.04
13780.000	12430.00	558.12	558.12	561.19	1.50	14.77	1.19	60.00	15.00	60.00	3815.30
13870.000	6250.00	554.28	.00	556.57	.00	12.16	.00	.00	15.00	.00	1811.71
13870.000	8470.00	556.24	554.21	558.96	.68	13.31	.66	60.00	15.00	60.00	2542.96
13870.000	9610.00	556.70	554.88	559.83	.93	14.32	.79	60.00	15.00	60.00	2758.52
13870.000	12430.00	558.57	558.57	561.50	1.39	14.48	1.31	60.00	15.00	60.00	3917.84
13885.000	6250.00	554.28	.00	556.60	.00	12.21	.00	.00	15.00	.00	1799.04
13885.000	8470.00	556.24	554.25	558.99	.67	13.36	.66	60.00	15.00	60.00	2526.34
13885.000	9610.00	556.70	554.89	559.85	.93	14.37	.79	60.00	15.00	60.00	2742.35
13885.000	12430.00	558.59	558.59	561.52	1.39	14.50	1.32	60.00	15.00	60.00	3906.14
13955.000	6250.00	554.59	.00	556.70	.00	11.64	.00	.00	15.00	.00	1918.46
13955.000	8470.00	556.89	554.67	559.11	.48	11.99	.60	60.00	15.00	60.00	2969.67
13955.000	9610.00	557.55	555.35	559.99	.64	12.62	.76	60.00	15.00	60.00	3345.18
13955.000	12430.00	558.51	558.14	561.65	1.02	14.52	1.01	60.00	15.00	60.00	3992.91

SECNO	Q	CWSEL	CRIWS	EG	VLOB	VCH	VROB	K*XNL	K*XNCH	K*XNR	.01K
13980.000	6250.00	553.89	553.89	557.10	.00	14.38	.00	.00	15.00	.00	1398.85
13980.000	8470.00	556.40	555.39	559.35	.34	13.80	.27	60.00	15.00	60.00	2355.76
13980.000	9610.00	556.97	556.14	560.28	.60	14.62	.53	60.00	15.00	60.00	2636.94

* 13980.000	12430.00	558.98	558.98	562.09	1.19	14.58	1.12	60.00	15.00	60.00	3911.26
* 14030.000	6250.00	554.18	554.18	557.38	.00	14.35	.00	.00	15.00	.00	1402.10
* 14030.000	8470.00	556.21	.00	559.53	.22	14.62	.00	60.00	15.00	.00	2147.61
* 14030.000	9610.00	556.73	556.50	560.49	.55	15.57	.32	60.00	15.00	60.00	2377.01
* 14030.000	12430.00	559.03	559.03	562.28	1.21	14.92	1.22	60.00	15.00	60.00	3766.48
* 14100.000	6250.00	554.57	554.57	557.78	.00	14.37	.00	.00	15.00	.00	1401.22
* 14100.000	8470.00	556.38	556.38	559.89	.00	15.05	.45	.00	15.00	60.00	2057.12
* 14100.000	9610.00	557.66	557.66	560.72	.52	14.26	1.04	60.00	15.00	60.00	2705.37
* 14100.000	12430.00	560.53	.00	562.47	1.24	12.15	1.55	60.00	15.00	60.00	4940.26
* 14165.000	6250.00	554.97	554.97	558.14	.00	14.29	.00	.00	15.00	.00	1407.93
* 14165.000	8470.00	557.13	557.13	560.13	.71	14.04	1.01	55.00	15.00	55.00	2304.53
* 14165.000	9610.00	558.02	558.02	560.87	1.02	13.92	1.34	55.00	15.00	55.00	2823.51
* 14165.000	12430.00	560.49	.00	562.55	1.42	12.52	1.76	55.00	15.00	55.00	4766.89
* 14200.000	6250.00	555.24	555.24	558.57	.42	14.66	.41	55.00	15.00	55.00	1411.34
* 14200.000	8470.00	557.68	557.68	560.53	.96	13.87	1.21	55.00	15.00	55.00	2489.04
* 14200.000	9610.00	558.47	558.47	561.22	1.21	13.90	1.48	55.00	15.00	55.00	2979.54
* 14200.000	12430.00	560.23	559.71	562.70	1.68	13.80	1.88	55.00	15.00	55.00	4330.70
* 14261.000	6250.00	557.87	.00	558.86	.85	8.25	1.14	40.00	15.00	40.00	3040.12
* 14261.000	8470.00	559.96	.00	560.77	1.21	7.96	1.51	40.00	15.00	40.00	4850.99
* 14261.000	9610.00	560.68	.00	561.45	1.32	8.04	1.62	40.00	15.00	40.00	5668.35
* 14261.000	12430.00	562.18	.00	562.90	1.51	8.20	1.81	40.00	15.00	40.00	7746.88
* 14311.000	6250.00	557.87	.00	558.86	1.06	8.28	1.14	40.00	15.00	40.00	3001.19
* 14311.000	8470.00	559.98	.00	560.77	1.38	7.93	1.52	40.00	15.00	40.00	4841.94
* 14311.000	9610.00	560.69	.00	561.45	1.48	8.04	1.64	40.00	15.00	40.00	5632.76
* 14311.000	12430.00	562.17	.00	562.90	1.61	8.27	1.83	40.00	15.00	40.00	7635.52
* 14381.000	6250.00	556.88	556.01	559.35	1.09	12.69	1.00	40.00	15.00	40.00	1783.42
* 14381.000	8470.00	559.16	558.45	561.16	1.72	11.97	1.74	40.00	15.00	40.00	3051.62
* 14381.000	9610.00	559.90	559.15	561.83	1.86	12.05	1.95	40.00	15.00	40.00	3608.27
* 14381.000	12430.00	561.52	.00	563.21	2.15	11.97	2.19	40.00	15.00	40.00	5158.75
* 14431.000	6250.00	558.72	.00	559.54	.56	7.35	.37	60.00	15.00	60.00	3333.40
* 14431.000	8470.00	560.33	.00	561.29	.78	8.05	.64	60.00	15.00	60.00	4648.84
* 14431.000	9610.00	560.90	.00	561.94	.88	8.48	.73	60.00	15.00	60.00	5191.06
* 14431.000	12430.00	562.00	.00	563.28	1.10	9.55	.90	60.00	15.00	60.00	6377.43
* 14491.000	6250.00	558.73	.00	559.57	.41	7.36	.28	60.00	15.00	60.00	3210.01
* 14491.000	8470.00	560.32	.00	561.32	.68	8.10	.48	60.00	15.00	60.00	4482.79
* 14491.000	9610.00	560.88	.00	561.98	.78	8.58	.60	60.00	15.00	60.00	4994.35
* 14491.000	12430.00	561.95	.00	563.34	.97	9.73	.81	60.00	15.00	60.00	6103.66

SECNO	Q	CWSEL	CRISW	EG	VLOB	VCH	VROB	K*KNL	K*KNCH	K*KNR	.0LK
14741.000	6250.00	558.82	.00	559.67	.17	7.63	.95	60.00	15.00	60.00	3060.48
14741.000	8470.00	560.50	.00	561.42	.42	8.08	1.19	60.00	15.00	60.00	4482.03
14741.000	9610.00	561.10	.00	562.09	.46	8.46	1.29	60.00	15.00	60.00	5065.46
14741.000	12430.00	562.33	.00	563.46	.71	9.27	1.47	60.00	15.00	60.00	6471.10
14811.000	6250.00	558.71	.00	559.77	.00	8.42	.81	.00	15.00	60.00	2691.03
14811.000	8470.00	560.44	.00	561.49	.59	8.64	1.09	60.00	15.00	60.00	4096.06
14811.000	9610.00	561.05	.00	562.15	.66	8.95	1.20	60.00	15.00	60.00	4693.72
14811.000	12430.00	562.30	.00	563.51	.85	9.66	1.43	60.00	15.00	60.00	6105.40
* 14846.000	6250.00	558.75	.00	559.81	.63	8.77	2.46	60.00	40.00	60.00	905.86

* 14846.000	8470.00	560.99	.00	561.56	1.58	7.08	2.66	60.00	40.00	60.00	1855.64
* 14846.000	9610.00	561.72	.00	562.23	1.65	6.87	2.73	60.00	40.00	60.00	2291.92
* 14846.000	12430.00	563.19	.00	563.61	1.80	6.60	2.86	60.00	40.00	60.00	3396.85
14991.000	6250.00	559.69	.00	560.37	.64	7.39	2.55	60.00	40.00	60.00	1186.13
14991.000	8470.00	561.29	.00	561.86	1.03	7.16	2.83	60.00	40.00	60.00	1884.95
14991.000	9610.00	561.96	.00	562.50	1.18	7.14	2.92	60.00	40.00	60.00	2248.59
14991.000	12430.00	563.35	.00	563.84	1.55	7.12	3.09	60.00	40.00	60.00	3187.97
15241.000	6250.00	560.46	.00	561.11	.00	7.42	2.54	.00	40.00	60.00	1111.15
15241.000	8470.00	561.88	.00	562.41	.00	7.05	2.85	.00	40.00	60.00	1743.50
15241.000	9610.00	562.50	.00	563.00	.00	6.97	2.97	.00	40.00	60.00	2074.83
15241.000	12430.00	563.77	.00	564.26	.61	7.07	3.24	60.00	40.00	60.00	2884.60
15491.000	6250.00	561.07	560.61	562.31	.00	9.52	2.35	.00	40.00	60.00	844.42
15491.000	8470.00	562.33	.00	563.32	.00	9.15	2.73	.00	40.00	60.00	1310.08
15491.000	9610.00	562.93	.00	563.79	.00	8.81	2.90	.00	40.00	60.00	1606.70
15491.000	12430.00	564.19	.00	564.89	.00	8.39	3.23	.00	40.00	60.00	2353.16
15741.000	6250.00	563.60	.00	563.36	2.86	7.84	2.30	60.00	40.00	60.00	1128.71
15741.000	8470.00	563.36	.00	564.27	3.45	8.87	2.91	60.00	40.00	60.00	1441.27
15741.000	9610.00	563.75	.00	564.71	3.69	9.25	3.17	60.00	40.00	60.00	1615.89
15741.000	12430.00	564.75	.00	565.74	4.08	9.72	3.55	60.00	40.00	60.00	2140.95
15991.000	6250.00	563.03	.00	564.68	2.72	10.47	1.46	60.00	40.00	75.00	797.11
15991.000	8470.00	563.54	563.30	566.05	3.55	13.00	1.99	60.00	40.00	75.00	911.67
15991.000	9610.00	564.16	564.16	566.72	3.87	13.30	2.31	60.00	40.00	75.00	1065.85
15991.000	12430.00	565.43	565.43	568.04	4.28	13.86	3.13	60.00	40.00	75.00	1458.21
16241.000	6250.00	564.81	.00	565.93	2.92	8.89	1.34	60.00	40.00	75.00	1006.41
16241.000	8470.00	566.31	.00	567.45	3.31	9.29	1.73	60.00	40.00	75.00	1468.35
16241.000	9610.00	566.92	.00	568.07	3.48	9.51	2.00	60.00	40.00	75.00	1699.09
16241.000	12430.00	568.08	.00	569.33	3.90	10.22	2.54	60.00	40.00	75.00	2201.62
16366.000	6250.00	565.14	.00	566.56	2.19	9.70	1.35	65.00	40.00	75.00	899.45
16366.000	8470.00	566.45	.00	568.10	2.59	10.68	2.02	65.00	40.00	75.00	1232.55
16366.000	9610.00	566.99	.00	568.73	2.85	11.12	2.35	65.00	40.00	75.00	1398.39
16366.000	12430.00	568.05	.00	570.04	3.38	12.18	2.94	65.00	40.00	75.00	1775.18

SECNO	Q	CWSEL	CRIWS	EG	VLOB	VCH	VROB	K*XNL	K*XNCH	K*XNR	.01K
16491.000	6250.00	565.88	.00	567.14	2.06	9.13	1.26	65.00	40.00	70.00	962.14
16491.000	8470.00	567.21	.00	568.66	2.60	10.03	1.67	65.00	40.00	70.00	1322.07
16491.000	9610.00	567.75	.00	569.29	2.78	10.47	1.82	65.00	40.00	70.00	1494.86
16491.000	12430.00	568.92	.00	570.62	3.26	11.30	2.39	65.00	40.00	70.00	1937.55
16591.000	6250.00	566.91	.00	567.45	.54	5.89	.00	65.00	35.00	.00	1572.13
16591.000	8470.00	568.34	.00	568.98	1.02	6.44	.00	65.00	35.00	.00	2170.31
16591.000	9610.00	568.94	.00	569.62	1.21	6.69	.00	65.00	35.00	.00	2466.88
16591.000	12430.00	570.19	.00	570.95	1.66	7.21	.17	65.00	35.00	70.00	3197.30
16691.000	6250.00	567.20	.00	567.60	.00	5.07	.00	.00	35.00	.00	1879.87
16691.000	8470.00	568.63	.00	569.13	.00	5.66	.00	.00	35.00	.00	2426.95
16691.000	9610.00	569.22	.00	569.77	.00	5.93	.00	.00	35.00	.00	2660.02
16691.000	12430.00	570.43	.00	571.10	.26	6.59	.29	65.00	35.00	70.00	3267.09
17141.000	6250.00	567.68	.00	568.24	.00	6.00	.00	.00	35.00	.00	1558.12
17141.000	8470.00	569.14	.00	569.82	.00	6.63	.00	.00	35.00	.00	2059.54
17141.000	9610.00	569.76	.00	570.51	.00	6.94	.00	.00	35.00	.00	2291.32
17141.000	12430.00	570.99	.00	571.92	.00	7.72	.46	.00	35.00	70.00	2851.78

* 17367.000	6250.00	567.81	.00	568.36	.00	5.94	.34	.00	15.00	35.00	3864.19
* 17367.000	8470.00	569.25	.00	569.95	.00	6.72	.73	.00	15.00	35.00	5157.43
* 17367.000	9610.00	569.86	.00	570.65	.30	7.11	.87	35.00	15.00	35.00	5784.29
* 17367.000	12430.00	571.07	.00	572.09	.67	8.11	1.18	35.00	15.00	35.00	7121.88
17398.000	6250.00	567.65	.00	568.44	.00	7.17	.00	.00	15.00	.00	3155.95
17398.000	8470.00	569.04	.00	570.06	.00	8.11	.00	.00	15.00	.00	4125.97
17398.000	9610.00	569.62	.00	570.77	.00	8.59	.00	.00	15.00	.00	4566.90
17398.000	12430.00	570.75	.00	572.24	.00	9.81	.00	.00	15.00	.00	5482.09
17496.000	6250.00	568.38	.00	569.22	.00	7.37	.00	.00	15.00	.00	2983.53
17496.000	8470.00	570.41	.00	571.32	.00	7.65	.00	.00	15.00	.00	4415.67
17496.000	9610.00	571.40	.00	572.33	.00	7.74	.00	.00	15.00	.00	5262.97
17496.000	12430.00	573.29	.00	574.36	.00	8.28	.00	.00	15.00	.00	7103.90
* 17523.000	5600.00	568.15	.00	569.41	.00	9.03	.00	.00	15.00	.00	1288.43
* 17523.000	7550.00	570.09	.00	571.56	.00	9.74	.00	.00	15.00	.00	1701.35
* 17523.000	8450.00	571.08	.00	572.58	.00	9.85	.00	.00	15.00	.00	1949.72
* 17523.000	10580.00	573.00	568.53	574.58	1.31	10.17	.92	35.00	15.00	35.00	2641.38
* 18079.000	5600.00	568.62	.00	570.88	.00	12.06	.00	.00	15.00	.00	888.66
18079.000	7550.00	571.36	.00	573.25	.00	11.05	.00	.00	15.00	.00	1454.99
18079.000	8450.00	573.21	.00	574.80	.00	10.14	.00	.00	15.00	.00	1861.00
18079.000	10580.00	575.80	.00	577.36	.00	10.02	.00	.00	15.00	.00	2719.76
18080.000	5600.00	569.42	.00	571.02	.00	10.13	.00	.00	25.00	.00	867.28
18080.000	7550.00	571.76	.00	573.32	.00	10.03	.00	.00	25.00	.00	1416.87
18080.000	8450.00	573.48	.00	574.85	.00	9.39	.00	.00	25.00	.00	1877.89
18080.000	10580.00	576.00	.00	577.40	.00	9.49	.00	.00	25.00	.00	2620.83

19780.000	8450.00	579.25	577.67	581.68	.00	12.59	.90	.00	15.00	70.00	2682.07
19780.000	10580.00	581.57	.00	583.73	.00	12.06	1.26	.00	15.00	70.00	3996.64
19930.000	5600.00	577.49	.00	579.45	.00	11.25	.29	.00	15.00	75.00	1685.56
19930.000	7550.00	578.19	.00	581.08	.00	13.68	.54	.00	15.00	75.00	1978.90
19930.000	8450.00	579.39	.00	581.84	.00	12.79	.81	.00	15.00	75.00	2578.42
19930.000	10580.00	582.66	.00	583.90	.36	9.84	1.02	50.00	15.00	75.00	5098.60
19980.000	5600.00	577.50	.00	579.53	.00	11.44	.00	.00	15.00	.00	1629.82
19980.000	7550.00	578.16	.00	581.20	.00	13.99	.30	.00	15.00	75.00	1895.63
19980.000	8450.00	579.35	.00	581.94	.00	13.08	.75	.00	15.00	75.00	2478.33
19980.000	10580.00	582.63	.00	583.95	.46	10.07	1.03	50.00	15.00	75.00	4918.03
20130.000	5600.00	577.51	.00	579.80	.00	12.17	.00	.00	15.00	.00	1482.02
20130.000	7550.00	578.32	.00	581.58	.00	14.49	.36	.00	15.00	75.00	1791.88
20130.000	8450.00	579.18	.00	582.29	.00	14.25	.72	.00	15.00	75.00	2183.31
20130.000	10580.00	582.56	.00	584.08	.40	10.71	1.06	50.00	15.00	75.00	4507.44
20280.000	5600.00	577.49	.00	580.15	.00	13.09	.00	.00	15.00	.00	1328.76
20280.000	7550.00	578.56	.00	582.02	.00	14.93	.35	.00	15.00	75.00	1714.80
20280.000	8450.00	579.27	.00	582.80	.00	15.09	.55	.00	15.00	75.00	2009.61
20280.000	10580.00	582.03	.28	584.46	.28	12.92	1.06	50.00	15.00	75.00	3534.61

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SECNO	Q	CWSEL	CRWS	EG	VLOB	VCH	VROB	K*XML	K*XMLCH	K*XML	.01K
* 20430.000	5600.00	577.68	577.68	580.57	.00	13.63	.00	.00	15.00	.00	1248.88
* 20430.000	7550.00	578.99	578.99	582.45	.00	14.91	.18	.00	15.00	75.00	1716.51
* 20430.000	8450.00	579.61	579.61	583.24	.00	15.29	.47	.00	15.00	75.00	1970.85
* 20430.000	10580.00	581.50	581.17	584.92	.43	14.95	.85	50.00	15.00	75.00	2893.85
* 20540.000	5600.00	578.00	578.00	580.92	.00	13.72	.00	.00	15.00	.00	1242.58
* 20540.000	7550.00	579.34	579.34	582.82	.00	14.97	.00	.00	15.00	.00	1711.85
* 20540.000	8450.00	579.94	579.94	583.62	.00	15.40	.15	.00	15.00	75.00	1946.82
* 20540.000	10580.00	581.94	581.94	585.22	.69	14.74	.92	50.00	15.00	75.00	2955.92
* 20580.000	5600.00	578.11	578.11	581.03	.00	13.71	.00	.00	15.00	.00	1242.61
* 20580.000	7550.00	579.44	579.44	582.92	.00	14.98	.00	.00	15.00	.00	1708.45
* 20580.000	8450.00	580.03	580.03	583.73	.00	15.44	.21	.00	15.00	75.00	1938.26
* 20580.000	10580.00	582.10	582.10	585.40	.83	14.74	.80	50.00	15.00	75.00	2975.31
* 20630.000	5600.00	578.24	578.24	581.15	.00	13.68	.00	.00	15.00	.00	1243.42
* 20630.000	7550.00	579.53	579.53	583.02	.00	15.00	.00	.00	15.00	.00	1699.50
* 20630.000	8450.00	581.45	580.54	583.92	.00	12.75	.81	.00	15.00	75.00	2547.40
* 20630.000	10580.00	583.34	581.93	585.56	.72	12.38	1.18	50.00	15.00	75.00	3697.94
* 20780.000	5600.00	578.68	578.68	581.59	.00	13.70	.00	.00	15.00	.00	1243.94
* 20780.000	7550.00	580.03	580.03	583.49	.00	14.93	.00	.00	15.00	.00	1716.27
* 20780.000	8450.00	581.13	.00	584.34	.00	14.37	.00	.00	15.00	.00	2151.24
* 20780.000	10580.00	582.69	582.47	586.06	.53	14.81	.61	50.00	15.00	75.00	2899.05
* 20930.000	5600.00	579.08	579.08	581.97	.00	13.65	.00	.00	15.00	.00	1243.61
* 20930.000	7550.00	580.40	580.40	583.84	.00	14.89	.00	.00	15.00	.00	1712.38
* 20930.000	8450.00	581.22	.00	584.65	.00	14.85	.00	.00	15.00	.00	2034.17
* 20930.000	10580.00	582.68	582.55	586.37	.71	15.45	.37	50.00	15.00	75.00	2712.93
* 21000.000	5600.00	579.29	579.29	582.19	.00	13.66	.00	.00	15.00	.00	1245.26
* 21000.000	7550.00	580.62	580.62	584.07	.00	14.89	.00	.00	15.00	.00	1715.83
* 21000.000	8450.00	581.21	581.21	584.87	.00	15.34	.00	.00	15.00	.00	1942.52
* 21000.000	10580.00	583.08	583.08	586.56	.89	15.05	.00	50.00	15.00	.00	2808.93

* 21069.000	5600.00	579.48	579.48	582.39	.00	13.68	.00	.00	15.00	.00	1243.99
* 21069.000	7550.00	580.82	580.82	584.28	.00	14.92	.00	.00	15.00	.00	1713.95
* 21069.000	8450.00	581.38	581.38	585.08	.00	15.42	.00	.00	15.00	.00	1931.38
* 21069.000	10580.00	583.50	583.50	586.72	1.02	14.55	.00	50.00	15.00	.00	2929.30
* 21119.000	5600.00	582.82	.00	584.00	.00	8.72	.00	.00	15.00	.00	2455.19
* 21119.000	7550.00	580.98	580.98	584.46	.00	14.96	.00	.00	15.00	.00	1712.37
* 21119.000	8450.00	581.56	581.56	585.26	.00	15.45	.00	.00	15.00	.00	1931.69
* 21119.000	10580.00	582.81	582.81	587.03	.00	16.48	.00	.00	15.00	.00	2452.19
* 21169.000	5600.00	582.82	.00	584.04	.00	8.84	.00	.00	15.00	.00	2402.53
* 21169.000	7550.00	581.11	581.11	584.58	.00	14.95	.00	.00	15.00	.00	1711.60
* 21169.000	8450.00	581.68	581.68	585.38	.00	15.44	.00	.00	15.00	.00	1930.59
* 21169.000	10580.00	582.94	582.94	587.15	.00	16.46	.00	.00	15.00	.00	2453.69

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* 22492.000	10580.00	591.80	.00	592.41	1.45	7.78	2.55	75.00	40.00	60.00	2222.48
* 22912.000	5600.00	590.85	.00	591.22	1.12	5.47	1.81	75.00	40.00	60.00	1386.57
22912.000	7550.00	591.74	.00	592.15	1.20	5.92	2.10	75.00	40.00	60.00	1873.10
22912.000	8450.00	592.09	.00	592.50	1.24	6.10	2.21	75.00	40.00	60.00	2093.42
22912.000	10580.00	592.80	.00	593.23	1.41	6.43	2.43	75.00	40.00	60.00	2628.75
1	08AUG02	07:51:13									PAGE 178
* 23262.000	5600.00	591.60	.00	592.03	.00	6.23	2.93	.00	40.00	55.00	955.09
23262.000	7550.00	592.48	.00	592.90	.58	6.37	3.29	55.00	40.00	55.00	1363.68
23262.000	8450.00	592.81	.00	593.25	.81	6.50	3.38	55.00	40.00	55.00	1556.93
23262.000	10580.00	593.50	.00	593.96	1.18	6.82	3.56	55.00	40.00	55.00	1997.98
23516.000	5600.00	592.48	.00	592.80	.54	4.81	1.92	55.00	40.00	55.00	1090.56
23516.000	7550.00	593.25	.00	593.59	.95	5.09	2.19	55.00	40.00	55.00	1563.46
23516.000	8450.00	593.56	.00	593.91	1.09	5.21	2.29	55.00	40.00	55.00	1781.09
23516.000	10580.00	594.22	.00	594.58	1.39	5.44	2.46	55.00	40.00	55.00	2317.93
24000.000	4990.00	593.75	.00	594.10	1.68	5.05	.00	55.00	35.00	.00	957.92
24000.000	6460.00	594.37	.00	594.74	1.95	5.24	.43	55.00	35.00	55.00	1319.98
24000.000	7120.00	594.63	.00	595.00	2.06	5.31	.59	55.00	35.00	55.00	1496.70
24000.000	8810.00	595.21	.00	595.60	2.29	5.53	.88	55.00	35.00	55.00	1933.38
24322.000	4990.00	594.52	.00	594.98	.00	5.48	.55	.00	35.00	55.00	991.36
24322.000	6460.00	595.08	.00	595.66	.00	6.17	.97	.00	35.00	55.00	1187.19
24322.000	7120.00	595.30	.00	595.93	.00	6.44	1.13	.00	35.00	55.00	1274.84
24322.000	8810.00	595.81	.00	596.55	.00	7.03	1.49	.00	35.00	55.00	1496.34
24472.000	4990.00	594.88	.00	595.33	.00	5.44	.73	.00	35.00	55.00	1071.47
24472.000	6460.00	595.48	.00	596.06	.00	6.17	1.09	.00	35.00	55.00	1312.87
24472.000	7120.00	595.71	.00	596.36	.00	6.48	1.23	.00	35.00	55.00	1413.61
24472.000	8810.00	596.25	.00	597.02	.35	7.17	1.61	55.00	35.00	55.00	1677.89
24722.000	4990.00	595.43	.00	595.87	.00	5.30	.00	.00	35.00	.00	1093.54
24722.000	6460.00	596.11	.00	596.66	.19	5.94	.19	55.00	35.00	55.00	1334.90
24722.000	7120.00	596.38	.00	596.98	.43	6.21	.43	55.00	35.00	55.00	1457.00
24722.000	8810.00	596.96	.00	597.69	.83	6.86	.83	55.00	35.00	55.00	1753.83
25322.000	4990.00	596.51	.00	596.88	.00	4.85	.00	.00	35.00	.00	1344.49
25322.000	6460.00	597.35	.00	597.81	.00	5.42	.00	.00	35.00	.00	1635.48
25322.000	7120.00	597.67	.00	598.16	.00	5.66	.00	.00	35.00	.00	1755.56
25322.000	8810.00	598.36	.00	598.97	.37	6.26	.37	55.00	35.00	55.00	2076.16
25972.000	4990.00	597.52	.00	598.03	.00	5.74	.00	.00	35.00	.00	1069.78
25972.000	6460.00	598.45	.00	599.05	.00	6.22	.47	.00	35.00	55.00	1374.44
25972.000	7120.00	598.80	.00	599.44	.00	6.42	.69	.00	35.00	55.00	1510.37
25972.000	8810.00	599.59	.00	600.32	.00	6.92	1.11	.00	35.00	55.00	1841.18
* 26027.000	4990.00	596.72	596.59	598.68	5.03	12.08	1.30	55.00	35.00	55.00	527.11
* 26027.000	6460.00	597.52	597.52	599.79	5.48	13.19	2.12	55.00	35.00	55.00	684.00
* 26027.000	7120.00	598.29	598.29	600.19	5.22	12.30	2.52	55.00	35.00	55.00	873.92
* 26027.000	8810.00	599.12	599.12	600.99	5.49	12.59	2.87	55.00	35.00	55.00	1139.56
* 26077.000	4990.00	598.00	.00	599.44	.00	9.60	.01	.00	15.00	75.00	1551.58
* 26077.000	6460.00	597.89	597.73	600.40	.00	12.72	.00	.00	15.00	.00	1501.73
* 26077.000	7120.00	598.29	598.23	600.92	.00	13.02	.23	.00	15.00	75.00	1655.74
* 26077.000	8810.00	599.76	599.74	601.97	.00	12.10	.68	.00	15.00	75.00	2369.95

SECNO	Q	CWSEL	CRWS	EG	VLOB	VCH	VROB	K*XML	K*XMLCH	K*XNR	.01K
* 26142.000	4990.00	598.63	.00	599.60	.00	7.89	.79	.00	35.00	55.00	796.99
* 26142.000	6460.00	599.57	.00	600.71	.00	8.59	1.44	.00	35.00	55.00	1033.71
* 26142.000	7120.00	600.07	.00	601.23	.13	8.67	1.41	75.00	35.00	55.00	1179.61
* 26142.000	8810.00	601.11	.00	602.21	.73	8.68	1.69	75.00	35.00	55.00	1614.57
26800.000	4730.00	601.74	.00	602.66	.00	7.72	.00	.00	35.00	.00	628.30
26800.000	6260.00	602.63	.00	603.66	.00	8.19	.90	.00	35.00	55.00	867.61
26800.000	6930.00	602.95	.00	604.04	.00	8.43	1.16	.00	35.00	55.00	971.81
26800.000	8740.00	603.53	.00	604.85	.00	9.29	1.66	.00	35.00	55.00	1192.78
* 27365.000	4730.00	603.89	.00	604.38	.00	5.63	1.11	.00	35.00	55.00	1110.08
* 27365.000	6260.00	604.77	.00	605.37	.39	6.31	1.63	75.00	35.00	55.00	1443.31
* 27365.000	6930.00	605.10	.00	605.74	.52	6.57	1.80	75.00	35.00	55.00	1587.53
* 27365.000	8740.00	605.88	.00	606.63	.79	7.20	2.15	75.00	35.00	55.00	1966.92
* 28150.000	4730.00	605.68	.00	607.13	.00	9.64	.00	.00	35.00	.00	580.49
* 28150.000	6260.00	606.50	.00	608.32	.00	10.84	.00	.00	35.00	.00	737.23
* 28150.000	6930.00	606.80	.00	608.80	.00	11.35	.00	.00	35.00	.00	799.32
* 28150.000	8740.00	607.47	.00	609.98	.00	12.74	.00	.00	35.00	.00	947.76
* 28637.000	4730.00	607.97	.00	608.69	.00	6.81	.00	.00	25.00	.00	1127.90
* 28637.000	6260.00	609.07	.00	609.88	.00	7.20	.00	.00	25.00	.00	1554.58
* 28637.000	6930.00	609.52	.00	610.35	.00	7.34	.00	.00	25.00	.00	1748.52
* 28637.000	8740.00	610.61	.00	611.53	.50	7.71	.50	50.00	25.00	50.00	2324.45
* 28817.000	3830.00	607.74	.00	609.40	.00	10.31	.00	.00	25.00	.00	632.84
* 28817.000	5040.00	608.63	.00	610.66	.00	11.45	.00	.00	25.00	.00	793.96
* 28817.000	5580.00	608.97	.00	611.18	.00	11.94	.00	.00	25.00	.00	860.85
* 28817.000	7030.00	609.81	.00	612.44	.00	13.02	.00	.00	25.00	.00	1043.47
28877.000	3830.00	608.27	.00	609.62	.00	9.32	.00	.00	25.00	.00	724.26
28877.000	5040.00	609.30	.00	610.91	.00	10.19	.00	.00	25.00	.00	928.75
28877.000	5580.00	609.75	.00	611.44	.00	10.44	.00	.00	25.00	.00	1029.81
28877.000	7030.00	610.81	.00	612.73	.56	11.12	.00	50.00	25.00	.00	1297.26
* 28897.000	3830.00	610.00	.00	611.16	.00	8.64	.00	.00	35.00	.00	653.11
* 28897.000	5040.00	611.51	.00	612.84	.00	9.26	.00	.00	35.00	.00	863.72
* 28897.000	5580.00	612.12	.00	613.52	.00	9.50	.00	.00	35.00	.00	957.90
* 28897.000	7030.00	612.10	.00	614.33	.00	12.00	.00	.00	35.00	.00	954.80
* 28967.000	3830.00	611.26	.00	611.31	.36	2.02	.74	45.00	35.00	45.00	2616.12
* 28967.000	5040.00	612.97	.00	612.99	.46	1.52	.65	45.00	35.00	45.00	5411.27
* 28967.000	5580.00	613.66	.00	613.67	.46	1.39	.63	45.00	35.00	45.00	6952.61
* 28967.000	7030.00	614.55	.00	614.57	.51	1.40	.67	45.00	35.00	45.00	9335.52
29137.000	3830.00	611.28	.00	611.37	.48	2.68	1.00	45.00	35.00	45.00	1950.85
* 29137.000	5040.00	612.97	.00	613.02	.67	2.17	.83	45.00	35.00	45.00	3761.85
* 29137.000	5580.00	613.66	.00	613.70	.69	1.98	.81	45.00	35.00	45.00	4830.68
* 29137.000	7030.00	614.55	.00	614.59	.65	1.98	.86	45.00	35.00	45.00	6515.73

SECNO	Q	CWSEL	CRWS	EG	VLOB	VCH	VROB	K*XML	K*XMLCH	K*XNR	.01K
29442.000	3830.00	611.34	.00	611.54	1.29	3.90	1.05	45.00	35.00	45.00	1632.46
29442.000	5040.00	612.99	.00	613.11	1.27	3.35	1.03	45.00	35.00	45.00	2839.72
29442.000	5580.00	613.67	.00	613.77	1.17	3.10	.98	45.00	35.00	45.00	3565.80

	29442.000	7030.00	614.57	.00	614.65	1.18	3.04	1.02	45.00	35.00	45.00	4845.02
*	29492.000	3830.00	611.20	.00	611.63	.32	5.27	.32	45.00	15.00	45.00	2820.73
*	29492.000	5040.00	612.81	.00	613.21	.58	5.37	.57	45.00	15.00	45.00	4045.21
	29492.000	5580.00	613.50	.00	613.85	.63	5.23	.63	45.00	15.00	45.00	4789.35
	29492.000	7030.00	614.38	.00	614.74	.75	5.53	.74	45.00	15.00	45.00	5992.12
	29596.000	3830.00	611.61	.00	612.03	.39	5.26	.39	45.00	15.00	45.00	2837.62
	29596.000	5040.00	612.78	.00	613.26	.61	5.79	.62	45.00	15.00	45.00	3663.58
	29596.000	5580.00	613.40	.00	613.85	.66	5.77	.68	45.00	15.00	45.00	4228.04
	29596.000	7030.00	614.26	.00	614.74	.78	6.18	.76	45.00	15.00	45.00	5235.63
*	29740.000	3830.00	611.70	.00	612.09	.00	5.04	.68	.00	35.00	75.00	994.32
*	29740.000	5040.00	612.90	.00	613.32	.42	5.27	.93	75.00	35.00	75.00	1416.83
*	29740.000	5580.00	613.51	.00	613.91	.55	5.23	.96	75.00	35.00	75.00	1678.75
*	29740.000	7030.00	614.35	.00	614.80	.80	5.64	1.10	75.00	35.00	75.00	2109.75
*	30400.000	3830.00	612.92	.00	613.52	.00	6.21	.66	.00	35.00	75.00	688.99
*	30400.000	5040.00	613.91	.00	614.59	.00	6.60	1.01	.00	35.00	75.00	960.29
*	30400.000	5580.00	614.38	.00	615.06	.00	6.68	1.13	.00	35.00	75.00	1100.00
*	30400.000	7030.00	615.18	.00	615.99	.16	7.30	1.39	75.00	35.00	75.00	1364.15
	30890.000	3830.00	614.37	.00	614.86	.00	5.63	.31	.00	35.00	75.00	783.43
	30890.000	5040.00	615.25	.00	615.84	.00	6.15	.70	.00	35.00	75.00	1039.56
	30890.000	5580.00	615.64	.00	616.26	.00	6.33	.83	.00	35.00	75.00	1161.65
	30890.000	7030.00	616.49	.00	617.20	.52	6.82	.88	75.00	35.00	75.00	1481.02
*	31244.000	2940.00	615.41	.00	615.89	.00	5.60	.00	.00	35.00	.00	467.41
*	31244.000	3870.00	616.35	.00	616.82	.00	5.48	.39	.00	35.00	70.00	665.35
*	31244.000	4290.00	616.75	.00	617.20	.00	5.39	.62	.00	35.00	70.00	771.08
	31244.000	5400.00	617.65	.00	618.08	.00	5.28	.95	.00	35.00	70.00	1056.18
	31800.000	2940.00	617.39	.00	618.05	.00	6.52	.00	.00	35.00	.00	489.41
	31800.000	3870.00	618.14	.00	618.95	.27	7.22	.23	60.00	35.00	70.00	617.58
	31800.000	4290.00	618.40	.00	619.29	.54	7.57	.39	60.00	35.00	70.00	676.27
	31800.000	5400.00	619.01	.00	620.11	1.02	8.42	.80	60.00	35.00	70.00	828.17
	32120.000	2940.00	618.55	.00	618.93	.48	4.90	.00	60.00	35.00	.00	650.88
*	32120.000	3870.00	619.40	.00	619.84	.86	5.31	.00	60.00	35.00	.00	878.44
*	32120.000	4290.00	619.73	.00	620.20	.99	5.50	.00	60.00	35.00	.00	975.46
*	32120.000	5400.00	620.50	.00	621.03	1.28	5.95	.36	60.00	35.00	70.00	1238.66
	32571.000	2940.00	618.62	618.48	620.17	.50	10.03	.00	60.00	15.00	.00	671.31
*	32571.000	3870.00	619.29	619.29	621.14	.81	10.97	.00	60.00	15.00	.00	888.41
*	32571.000	4290.00	619.58	619.58	621.53	.92	11.31	.00	60.00	15.00	.00	990.30
*	32571.000	5400.00	620.64	620.64	622.36	1.00	10.86	.36	60.00	15.00	70.00	1487.15

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SECNO	Q	CWSEL	CRWS	EG	VLOB	VCH	VROB	K*XNL	K*XNCH	K*XNR	.01K
* 32647.000	2940.00	620.33	620.33	622.51	.00	11.87	.00	.00	15.00	.00	634.74
* 32647.000	3870.00	622.27	622.27	623.75	.68	10.03	.71	55.00	15.00	55.00	1233.33
* 32647.000	4290.00	622.70	622.70	624.04	.77	9.82	.83	55.00	15.00	55.00	1460.95
* 32647.000	5400.00	623.33	623.33	624.62	.90	10.16	.99	55.00	15.00	55.00	1890.47
	2940.00	620.60	620.52	622.69	.00	11.61	.00	.00	15.00	.00	651.08
* 32695.000	3870.00	622.41	622.41	623.84	.74	9.93	.74	55.00	15.00	55.00	1243.69
* 32695.000	4290.00	622.84	622.76	624.12	.84	9.70	.84	55.00	15.00	55.00	1476.61
* 32695.000	5400.00	623.48	623.48	624.70	.97	9.96	.97	55.00	15.00	55.00	1929.40
	2940.00	622.59	620.99	622.99	1.82	5.20	.74	55.00	35.00	45.00	584.26

* 36095.000	740.00	643.05	643.05	643.40	3.63	7.44	.72	65.00	50.00	75.00	36.52
* 36095.000	950.00	643.18	643.18	643.56	4.03	7.84	1.07	65.00	50.00	75.00	47.06
* 36095.000	1040.00	643.23	643.23	643.63	4.19	8.00	1.19	65.00	50.00	75.00	51.52
* 36095.000	1250.00	643.34	643.34	643.78	4.49	8.31	1.44	65.00	50.00	75.00	62.42
* 36435.000	740.00	645.55	.00	645.62	1.76	3.27	1.28	65.00	50.00	75.00	147.75
* 36435.000	950.00	645.82	.00	645.90	1.89	3.55	1.42	65.00	50.00	75.00	183.82
* 36435.000	1040.00	645.92	.00	646.00	1.94	3.64	1.46	65.00	50.00	75.00	199.50
* 36435.000	1250.00	646.12	.00	646.21	2.06	3.85	1.58	65.00	50.00	75.00	235.54
* 36845.000	740.00	647.89	647.89	648.40	2.07	7.24	1.72	65.00	45.00	75.00	75.67
* 36845.000	950.00	648.07	648.07	648.65	2.46	8.00	1.86	65.00	45.00	75.00	90.77
* 36845.000	1040.00	648.14	648.14	648.74	2.61	8.27	1.95	65.00	45.00	75.00	97.25
* 36845.000	1250.00	648.37	648.37	648.92	2.84	8.33	2.09	65.00	45.00	75.00	120.20
* 36975.000	740.00	648.48	648.48	649.44	.95	8.31	1.76	65.00	30.00	75.00	103.67
* 36975.000	950.00	649.04	649.04	649.88	1.38	8.28	1.53	65.00	30.00	75.00	145.61
* 36975.000	1040.00	649.21	649.21	650.03	1.48	8.36	1.47	65.00	30.00	75.00	161.93
* 36975.000	1250.00	649.53	649.53	650.33	1.67	8.59	1.43	65.00	30.00	75.00	197.79
* 37325.000	740.00	649.63	.00	650.29	.00	6.49	.34	.00	20.00	75.00	202.62
* 37325.000	950.00	649.89	.00	650.84	.00	7.84	.49	.00	20.00	75.00	221.63
* 37325.000	1040.00	650.00	.00	651.09	.00	8.38	.56	.00	20.00	75.00	229.78
* 37325.000	1250.00	650.17	649.45	651.62	.23	9.67	.59	65.00	20.00	75.00	245.70
* 37835.000	550.00	652.45	652.45	653.86	.00	9.52	.00	.00	20.00	.00	78.98
* 37835.000	700.00	653.00	653.00	654.56	.00	10.04	.00	.00	20.00	.00	101.90
* 37835.000	760.00	653.20	653.20	654.82	.00	10.22	.00	.00	20.00	.00	111.16
* 37835.000	920.00	653.70	653.70	655.46	.00	10.64	.00	.00	20.00	.00	136.14

SECNO	Q	CWSEL	CRISWS	EG	VLOB	VCH	VROB	K*XNL	K*XNCH	K*XNR	-01K
* 38325.000	550.00	657.35	657.35	658.76	.00	9.50	.00	.00	20.00	.00	79.15
* 38325.000	700.00	657.91	657.91	659.46	.00	10.01	.00	.00	20.00	.00	102.25
* 38325.000	760.00	658.11	658.11	659.72	.00	10.19	.00	.00	20.00	.00	111.57
* 38325.000	920.00	658.61	658.61	660.36	.00	10.62	.00	.00	20.00	.00	136.61