

DRAINAGE REPORT
Ann Walenta Commercial Addition
WICHITA, SEDGWICK COUNTY,
KANSAS

March 5, 2009

**Ann Walenta Commercial Addition
DRAINAGE ANALYSIS
March 5, 2009**

INTRODUCTION

This report contains supporting documentation and calculations for the proposed Ann Walenta Commercial Addition development. The site is located on the east and west side of Oliver at Kellogg. The proposed site currently exists in a developed condition. The site is comprised of 3.75 acres of single family residences with the remaining 4.68 acres in use as commercial property. Portions of the commercial property were destroyed in a tornado in the late 1990's. A 1996 aerial was used to establish the impervious area of the damaged portion. The soil type of the site is designated as urban Farnum, which is in hydrologic group B. The site is located on FEMA FIRM 20173C0367E in unshaded Zone X, defined as areas outside of the 0.2% chance floodplain.

PROPOSED CONDITION

The site shall be developed such that the usage shall be entirely commercial. The nature and layout of the development is not known at this time. The detention requirements shall be based on the Technical Advisory Committee's policy number D-1. The policy states for "redevelopment projects with land disturbance over one acre (cumulative) are subject to" required detention "if there is and increase in impervious surface from the site draining to a specific drainage basin". Therefore the existing impervious area has been quantified and included on the drainage map.

Existing	Area (ac.)	CN	TC (min.)	Q2 (cfs)	Q5 (cfs)	Q10 (cfs)	Q25 (cfs)	Q100 (cfs)
A	2.02	87	15	5.6	7.3	8.4	10.2	13.2
B	2.85	83	15	7.2	9.7	11.2	13.7	18.0
C	2.92	83	15	7.4	9.9	11.5	14.0	18.4
D	0.64	83	15	1.6	2.2	2.5	3.1	4.0
Junc. 1	--	--	--	16.2	21.8	25.2	30.8	40.4

The results of the analysis above shall be used as targets for the developed condition. The developed condition is unknown at this time and will be determined when the site design is completed. The proposed condition shall include site detention or retention if the impervious area exceeds the impervious area as calculated on the drainage map. Acceptable methods of detention shall include but not be limited to dry bottom ponds, wet bottom ponds, underground storage and parking lot storage.

The following detention pond was designed to determine the detention volume required if the plat is developed to the maximum density and impervious area. The pond is designed with a dry bottom and has a concrete pilot channel down the center to allow a bottom slope of 0.5%. HEC-HMS was used to perform the analysis using the parameters found in the following tables.

The outlet of the pond is controlled by a rectangular weir structure with a width of 1'

Elevation	Area (s.f.)	Outflow (cfs)
100	0	0
101	2352	3.2
102	6926	9.4
103	11020	17.3

Proposed	Area (ac.)	CN	TC (min.)	Q2 (cfs)	Q5 (cfs)	Q10 (cfs)	Q25 (cfs)	Q100 (cfs)
A	2.02	95	15	5.6	7.3	8.4	10.2	13.2
B	2.85	95	15	8.4	10.8	12.3	14.8	19.0
C	2.92	95	15	8.6	11.1	12.6	15.2	19.5
D	0.64	95	15	1.9	2.4	2.8	3.3	4.3
Detention Pond	--	--	--	15.6	19.9	22.5	26.9	34.0
Junc. 1	--	--	--	6.2	7.9	9.0	10.4	12.9

The table below shows the performance of the detention pond in the various design storms;

Design Storm	Peak Inflow (cfs)	Peak Outflow (cfs)	Peak Storage (ac-ft)	Peak Elev.
2-year	8.6	6.2	0.1	101.5
5-year	11.1	7.9	0.1	101.8
10-year	12.6	9.0	0.1	101.9
25-year	15.2	10.4	0.1	102.1
100-year	19.5	12.9	0.2	102.4

SITE AERIAL

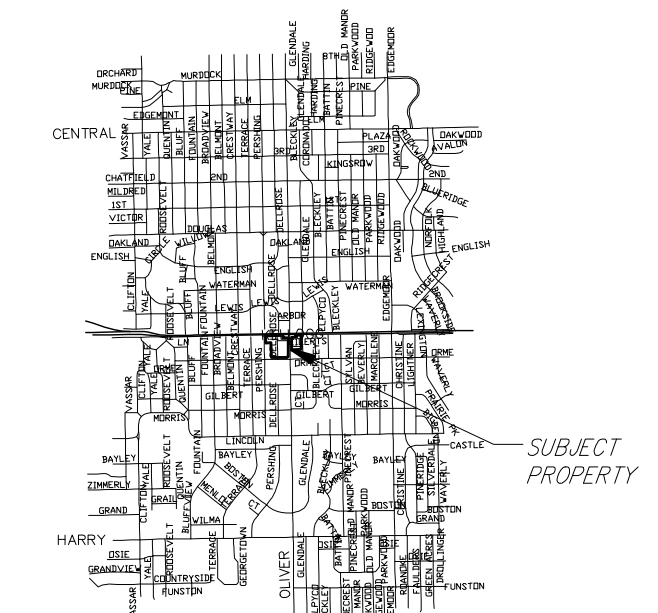
ANN WALENTA COMMERCIAL ADDITION

Wichita, Sedgwick County, Kansas



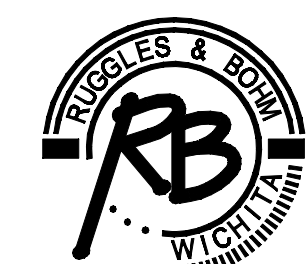
BENCH MARK: CHISELED SQUARE ON THE TOP OF CURB AT THE CENTERLINE OF PERSHING, AT THE NORTH END OF PERSHING ON THE SOUTH SIDE OF E. KELLOGG DR. S. ELEVATION = 1357.61 (NAVD88)

BENCH MARK: CHISELED SQUARE ON THE TOP OF CURB AT THE SOUTH CURB RETURN, AT THE SOUTHEAST CORNER OF GLENDALE AND E. KELLOGG DR. S. ELEVATION = 1350.90 (NAVD88)



VICINITY MAP
NOT TO SCALE

DWG FILE: SURVEY BASE
PROJECT NO. 3391P
Mar. 4, 2009

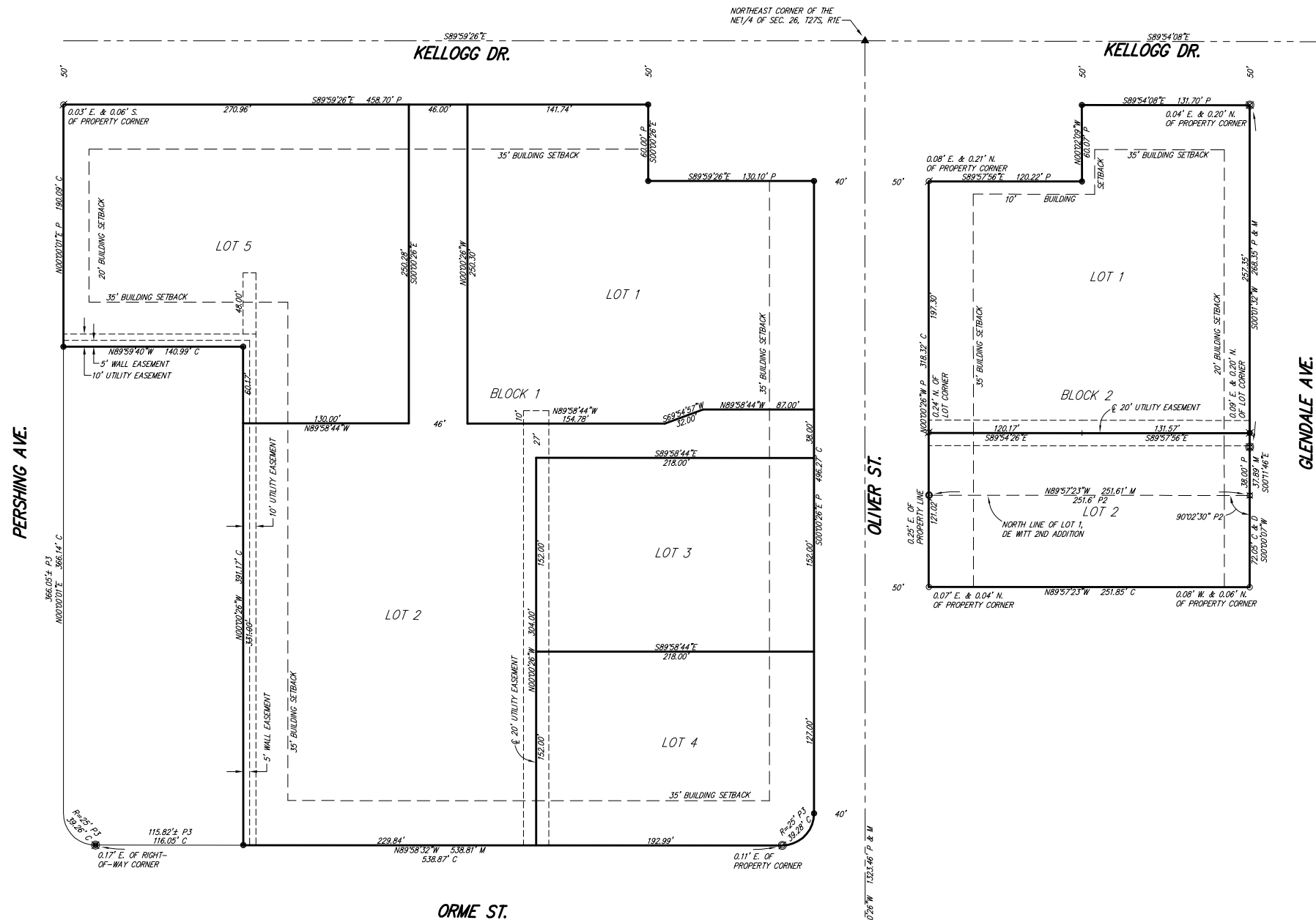


Ruggles & Bohm, P.A.
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Wichita, Kansas 67203
www.rbkansas.com
(316) 264-8008
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E-mail: info@rbkansas.com

PLAT

ANN WALENTA COMMERCIAL ADDITION

Wichita, Sedgwick County, Kansas

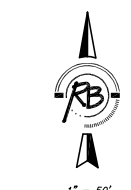


PERSHING AVE.

GLENDALE AVE.

OLIVER ST.

ORME ST.



- SURVEY MARKER LEGEND**
- 1/2" IRON PIPE IN THIMBLE (FOUND - ORIGIN UNKNOWN)
 - SQUARE BOLT (FOUND - ORIGIN UNKNOWN)
 - ▲ 1/2" CAPPED REBAR IN CROSS (FOUND - ORIGIN UNKNOWN)
 - ⊗ 1/2" REBAR (FOUND - ORIGIN UNKNOWN)
 - MAG NAIL (FOUND - ORIGIN UNKNOWN)
 - ⊗ 1/2" REBAR W/REBAR W/BAUGHMAN CAP (FOUND)
 - 1" IRON PIPE (FOUND - ORIGIN UNKNOWN)
 - ⊗ 1/2" IRON PIPE (FOUND - ORIGIN UNKNOWN)
 - ⊗ 3/4" IRON PIPE IN CONCRETE (FOUND - ORIGIN UNKNOWN)
 - ⊗ 1/2" REBAR - SPINNER (FOUND - ORIGIN UNKNOWN)
 - 5/8" REBAR W/ACLS CAP (FOUND)
 - ⊗ 5/8" REBAR W/RUGGLES & BOHM CAP (SET)

(A) = Assumed Basis of Bearing
 P = Platted (Ann Walenta Addition)
 P2 = Platted (De Witt 2nd Addition)
 P3 = Platted (Kellogg Heights Addition)
 M = Measured
 C = Calculated
 D = Described

BENCH MARK: CHISELED SQUARE ON THE TOP OF CURB AT THE CENTERLINE OF PERSHING, AT THE NORTH END OF PERSHING ON THE SOUTH SIDE OF E. KELLOGG DR. S. ELEVATION = 1357.61 (NAVD88)

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State of Kansas) SS
 Sedgwick County)

We, Ruggles & Bohm, P.A., Land Surveyors in aforesaid county and state, do hereby certify that, under the supervision of the undersigned, we have surveyed and platted "ANN WALENTA COMMERCIAL ADDITION", Wichita, Sedgwick County, Kansas, and that the accompanying plat is a true and correct exhibit of the property surveyed, described as follows:

Lots 1 and 2, Block A, AND Lot 1, Block B, Ann Walenta Addition, Wichita, Sedgwick County, Kansas;

The South 30 feet of Lot 14, all of Lots 15, 16, 17, 18, 19, and 20, and the south 24 feet of Lot 21, Block 1, and the South 40 feet of Lot 6, all of Lots 7, 8, 9, 10, 11 and 12, the North 5 feet of Lot 20, and all of Lot 21, Block 2, Kellogg Heights Addition to Wichita, Kansas;

Dellrose Avenue from the south line of Lots 1 and 2, Block A, in said Ann Walenta Addition to the north right-of-way line of Orme Street;

The north 72.05 feet of Lot 1, De Witt 2nd Addition, Wichita, Kansas, Sedgwick County, Kansas;

Elierts Street from the east right-of-way line of Oliver to the west right-of-way line of Glendale Avenue.

All public easements and dedications are hereby vacated by virtue of K.S.A. 12-512(b).

Ruggles & Bohm, P.A.

 Thomas C. Ruggles
 Land Surveyor

Know all men by these presents that we, the undersigned, have caused the land described in the surveyor's certificate to be platted into Lots and Blocks, to be known as "ANN WALENTA COMMERCIAL ADDITION", Wichita Sedgwick County, Kansas. Access Controls as indicated are hereby granted to the appropriate governing body. Utility Easements are hereby granted for the construction and maintenance of all public utilities. A drainage plan has been developed for this plat; the property shall remain at established grades, or as modified with the approval of the City Engineer, and unobstructed to allow for the conveyance of storm water.

S.J. Ram, LC, a Kansas limited liability company

 Donald Walenta
 Managing Member

State of Kansas) SS
 Sedgwick County)

The foregoing instrument acknowledged before me, this _____ day of _____, 2009, by Donald Walenta, Managing Member, on behalf of S.J. Ram, LC, a Kansas limited liability company.

 Notary Public

My appointment expires _____

We the undersigned, holders of a mortgage on a portion of the above described property, do hereby consent to this plat of "ANN WALENTA COMMERCIAL ADDITION", Wichita, Sedgwick County, Kansas.

 Emprise Bank
 _____, Senior Vice President

State of Kansas) SS
 Sedgwick County)

The foregoing instrument acknowledged before me this _____ day of _____, 2009, by Thomas J. McGrath, Senior Vice President of Emprise Bank, on behalf of the Bank.

 Notary Public

My appointment expires _____

This plat of "ANN WALENTA COMMERCIAL ADDITION", Wichita, Sedgwick County, Kansas, has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.

Dated this _____ day of _____, 2009.

Wichita-Sedgwick County Metropolitan Area Planning Commission

 Chair
 Darrell Downing

 Secretary
 John L. Schlegel

This plat approved and all dedications shown hereon accepted by the City Council of the City of Wichita, Kansas, this _____ day of _____, 2009.

At the Direction of the City Council

 Mayor
 Carl Brewer

 City Clerk
 Karen Sublett

Reviewed in accordance with K.S.A. 58-2005 on this _____ day of _____, 2009.

 Deputy County Surveyor
 Sedgwick County Kansas
 Tricia L. Robello, LS #1246

Entered on transfer record this _____ day of _____, 2009.

 County Clerk
 Kelly B. Arnold

State of Kansas) SS
 Sedgwick County)

This is to certify that this plat has been filed for record in the office of the Register of Deeds, this _____ day of _____, 2009, at _____ o'clock _____ M, and is duly recorded.

 Register of Deeds
 Bill Meek

 Deputy
 Tonya Buckingham

DWG FILE: SURVEY BASE
 PROJECT NO. 3391P
 MARCH 9, 2009



Ruggles & Bohm, P.A.
 Engineering, Surveying, Land Planning

924 North Main
 Wichita, Kansas 67203
 www.rbkansas.com

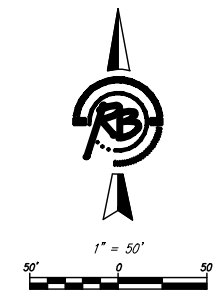
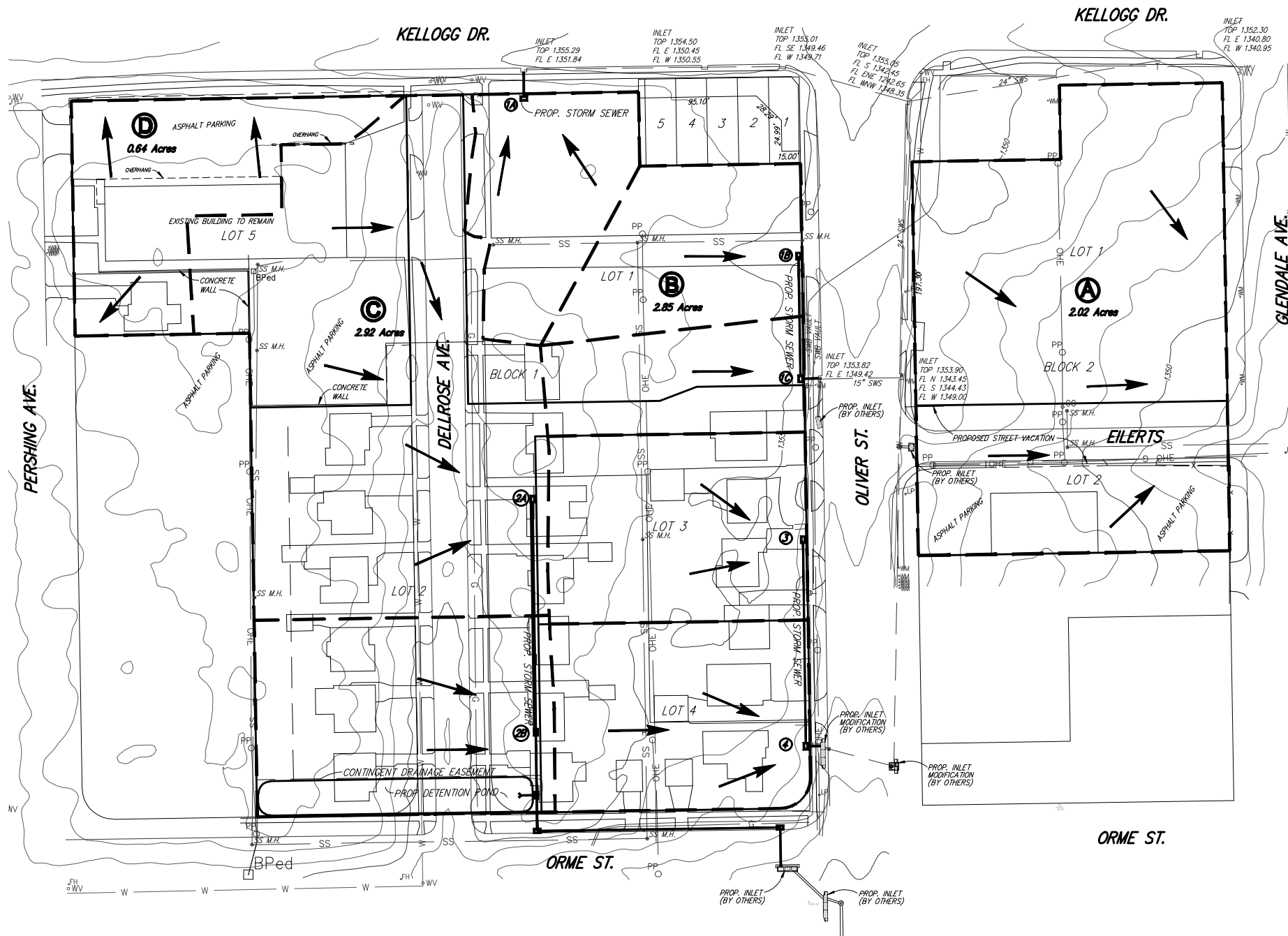
(316) 264-8008
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 E-mail: info@rbkansas.com

DRAINAGE MAP

Drainage Plan

ANN WALENTA COMMERCIAL ADDITION

Wichita, Sedgwick County, Kansas



EAST OF OLIVER
 IMPERVIOUS AREA = 60811 SQ FT (1.40 Ac.)
 PLATTED AREA = 88128 SQ FT (2.02 Ac.)

WEST OF OLIVER
 IMPERVIOUS AREA 163163 SQ FT (3.75 Ac.)
 PLATTED AREA 279155 SQ FT (6.41 Ac.)

- NOTES:**
1. IMPERVIOUS AREA TOTALS WERE DETERMINED FROM A 1996 AERIAL AND TOPOGRAPHIC SURVEY DATA.
 2. EXCESS RUNOFF FROM THE 100-YEAR DESIGN STORM WILL BE DETAINED AND/OR RETAINED ON SITE.
 3. IF PARKING LOT DETENTION IS UTILIZED THE DEPTH WILL BE LIMITED TO 8". EVERY PARKING SPACE WHERE 8" PONDING DEPTH MAY BE EXCEEDED SHALL HAVE A POST-MOUNTED WARNING SIGN AT THE FRONT OF THE STALL, CLEARLY NOTED "WARNING - STORMWATER PONDING AREA".
 4. FINAL DRAINAGE SYSTEM DESIGN, INCLUDING RUNOFF AND DETENTION CALCULATIONS, SHALL BE DESIGNED AT THE TIME OF DEVELOPMENT.

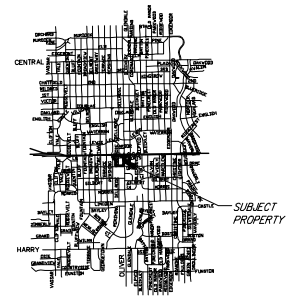
	Area (Ac.)	L (Min.)	h _p (in/hr)	h _q (in/hr)	C _u	C _{ss}	C _o	C _{sp}
A	2.02	15	5.22	7.37	0.70	0.77	7.4	11.5
B	2.85	15	5.22	7.37	0.63	0.71	9.4	14.9
C	2.92	15	5.22	7.37	0.63	0.71	9.6	15.3
D	0.64	15	5.22	7.37	0.63	0.71	2.1	3.3

Soil Type: Urban Fannum
 Hydrologic Group: B

	Area (Ac.)	L (Min.)	h _p (in/hr)	C _u	C _{ss} (cfs)	Pipe Size
1A	0.48	15	7.37	0.89	3.1	15"
1B	0.52	15	7.37	0.89	3.4	15"
1C	0.40	15	7.37	0.89	2.6	15"
2A	2.04	15	7.37	0.89	13.4	18"
2B	0.88	15	7.37	0.89	5.8	24"
3	0.73	15	7.37	0.89	4.8	15"
4	0.72	15	7.37	0.89	4.7	18"

BENCH MARK: CHISELED SQUARE ON THE TOP OF CURB AT THE CENTERLINE OF PERSHING, AT THE NORTH END OF PERSHING ON THE SOUTH SIDE OF E. KELLOGG DR. S. ELEVATION = 1357.61 (NAVD88)

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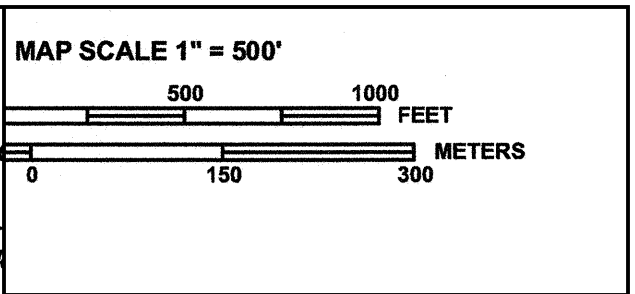
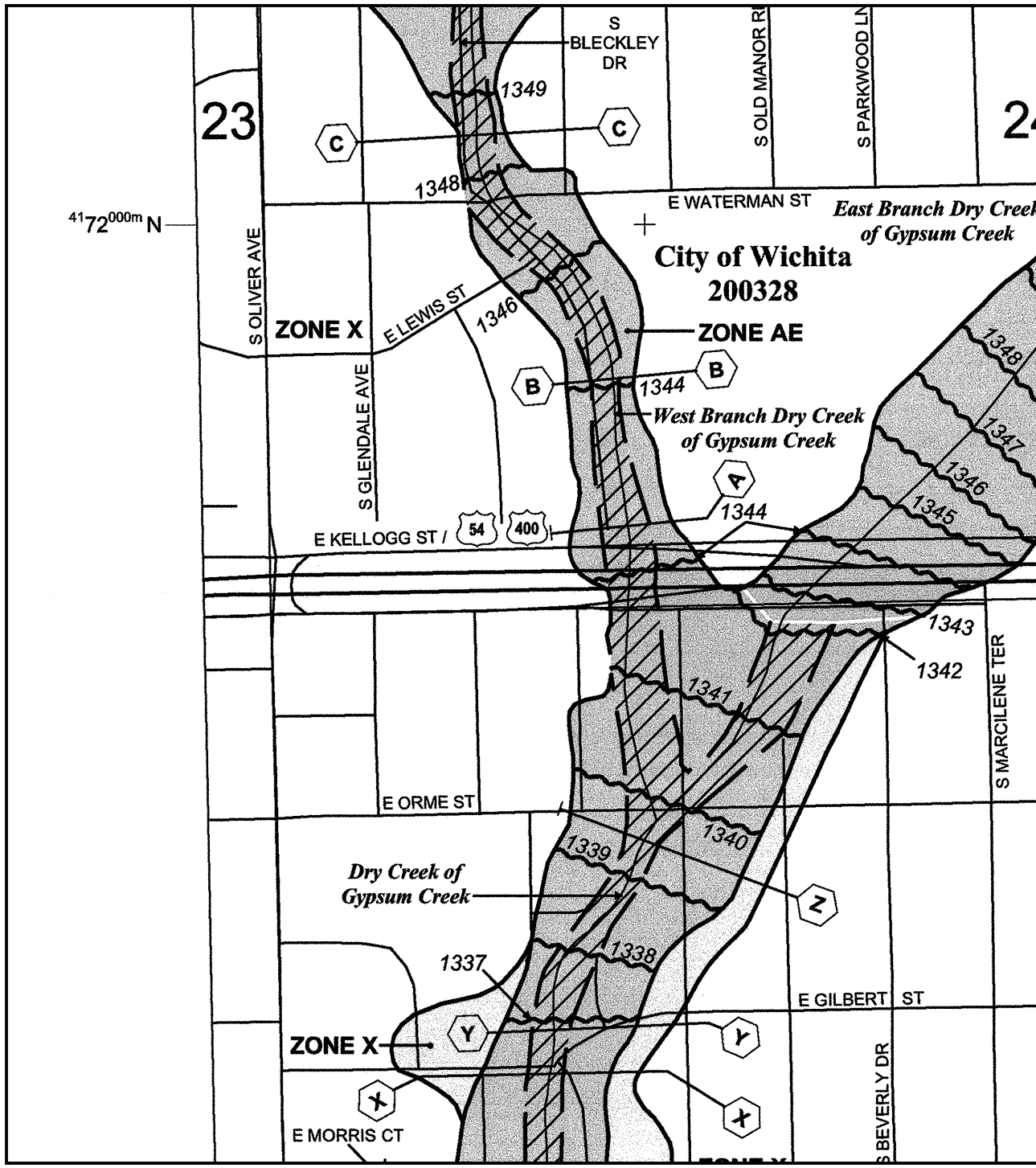


DWG FILE: DRAINAGE PLAN
 PROJECT NO. 3391P
 Mar. 4, 2009



Ruggles & Bohm, P.A.
 Engineering, Surveying, Land Planning
 924 North Main
 Wichita, Kansas 67203
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FEMA FIRM



PANEL 0367E

FIRM
FLOOD INSURANCE RATE MAP

**SEDGWICK COUNTY,
 KANSAS
 AND INCORPORATED AREAS**

PANEL 367 OF 700

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
EASTBOROUGH, CITY OF	200491	0367	E
SEDGWICK COUNTY	200321	0367	E
WICHITA, CITY OF	200328	0367	E

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

**MAP NUMBER
 20173C0367E**

**EFFECTIVE DATE
 FEBRUARY 2, 2007**

Federal Emergency Management Agency

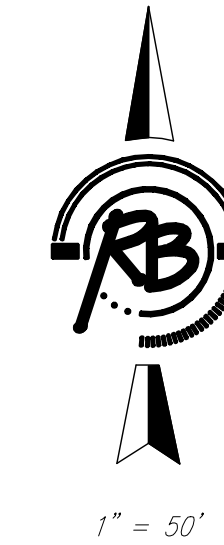


This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

1996 SITE AERIAL

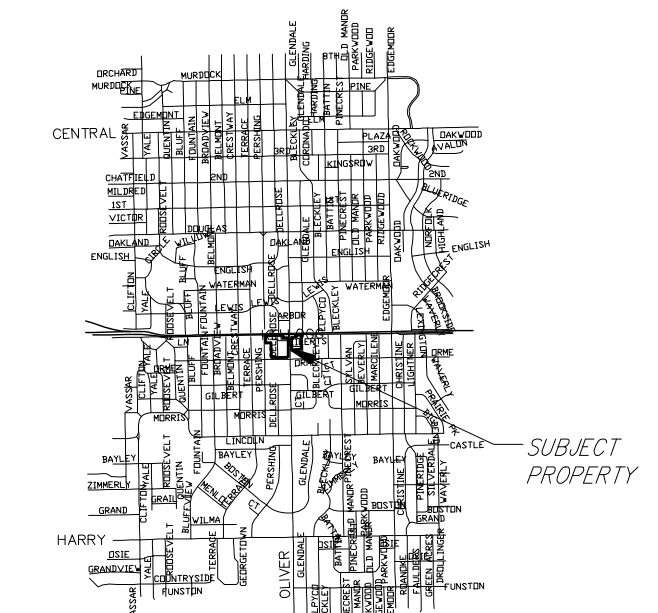
ANN WALENTA COMMERCIAL ADDITION

Wichita, Sedgwick County, Kansas



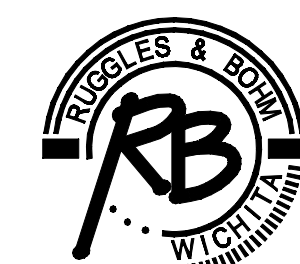
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VICINITY MAP
NOT TO SCALE

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PROJECT NO. 3391P
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www.rbkansas.com

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(316) 264-4621 fax
E-mail: info@rbkansas.com

HEC-HMS OUTPUT

Project: 3391E Simulation Run: 2-yr

Start of Run: 01Jan2009, 12:00 Basin Model: Existing
End of Run: 02Jan2009, 12:15 Meteorologic Model: 2-yr
Compute Time: 25Mar2009, 16:19:16 Control Specifications: Control 1

Volume Units: IN

Hydrologic Element	Drainage Area (MI ²)	Peak Discharge (CFS)	Time of Peak	Volume (IN)
A	0.00315	5.6	02Jan2009, 00:00	3.09
B	0.00445	7.2	02Jan2009, 00:00	2.81
C	0.00456	7.4	02Jan2009, 00:00	2.81
D	0.00100	1.6	02Jan2009, 00:00	2.81
Junction-1	0.01001	16.2	02Jan2009, 00:00	2.81

Project: 3391E Simulation Run: 5-yr

Start of Run: 01Jan2009, 12:00 Basin Model: Existing
End of Run: 02Jan2009, 12:15 Meteorologic Model: 5-yr
Compute Time: 25Mar2009, 16:20:12 Control Specifications: Control 1

Volume Units: IN

Hydrologic Element	Drainage Area (MI ²)	Peak Discharge (CFS)	Time of Peak	Volume (IN)
A	0.00315	7.3	02Jan2009, 00:00	4.06
B	0.00445	9.7	02Jan2009, 00:00	3.75
C	0.00456	9.9	02Jan2009, 00:00	3.75
D	0.00100	2.2	02Jan2009, 00:00	3.75
Junction-1	0.01001	21.8	02Jan2009, 00:00	3.75

Project: 3391E Simulation Run: 10-yr

Start of Run: 01Jan2009, 12:00 Basin Model: Existing
End of Run: 02Jan2009, 12:15 Meteorologic Model: 10-yr
Compute Time: 25Mar2009, 16:21:35 Control Specifications: Control 1

Volume Units: IN

Hydrologic Element	Drainage Area (MI ²)	Peak Discharge (CFS)	Time of Peak	Volume (IN)
A	0.00315	8.4	02Jan2009, 00:00	4.65
B	0.00445	11.2	02Jan2009, 00:00	4.33
C	0.00456	11.5	02Jan2009, 00:00	4.33
D	0.00100	2.5	02Jan2009, 00:00	4.33
Junction-1	0.01001	25.2	02Jan2009, 00:00	4.33

Project: 3391E Simulation Run: 25-yr

Start of Run: 01Jan2009, 12:00 Basin Model: Existing
End of Run: 02Jan2009, 12:15 Meteorologic Model: 25-yr
Compute Time: 25Mar2009, 16:24:05 Control Specifications: Control 1

Volume Units: IN

Hydrologic Element	Drainage Area (MI ²)	Peak Discharge (CFS)	Time of Peak	Volume (IN)
A	0.00315	10.2	02Jan2009, 00:00	5.63
B	0.00445	13.7	02Jan2009, 00:00	5.29
C	0.00456	14.0	02Jan2009, 00:00	5.29
D	0.00100	3.1	02Jan2009, 00:00	5.29
Junction-1	0.01001	30.8	02Jan2009, 00:00	5.29

Project: 3391E Simulation Run: 100-yr

Start of Run: 01Jan2009, 12:00 Basin Model: Existing
End of Run: 02Jan2009, 12:15 Meteorologic Model: 100-yr
Compute Time: 25Mar2009, 16:45:16 Control Specifications: Control 1

Volume Units: IN

Hydrologic Element	Drainage Area (MI ²)	Peak Discharge (CFS)	Time of Peak	Volume (IN)
A	0.00315	13.2	02Jan2009, 00:00	7.32
B	0.00445	18.0	02Jan2009, 00:00	6.95
C	0.00456	18.4	02Jan2009, 00:00	6.95
D	0.00100	4.0	02Jan2009, 00:00	6.95
Junction-1	0.01001	40.4	02Jan2009, 00:00	6.95

Project: 3391E Simulation Run: Prop 2-yr

Start of Run: 01Jan2009, 12:00 Basin Model: Proposed
End of Run: 02Jan2009, 12:15 Meteorologic Model: 2-yr
Compute Time: 16Apr2009, 16:33:32 Control Specifications: Control 1

Volume Units: IN

Hydrologic Element	Drainage Area (MI ²)	Peak Discharge (CFS)	Time of Peak	Volume (IN)
A	0.00315	5.6	02Jan2009, 00:00	3.09
B	0.00445	8.4	02Jan2009, 00:00	3.26
C	0.00457	8.6	02Jan2009, 00:00	3.26
D	0.00100	1.9	02Jan2009, 00:00	3.26
Junction-1	0.01002	15.6	02Jan2009, 00:00	3.26
Reservoir-1	0.00457	6.2	02Jan2009, 00:15	3.26

Project: 3391E Simulation Run: Prop 5-yr

Start of Run: 01Jan2009, 12:00 Basin Model: Proposed
End of Run: 02Jan2009, 12:15 Meteorologic Model: 5-yr
Compute Time: 16Apr2009, 16:33:36 Control Specifications: Control 1

Volume Units: IN

Hydrologic Element	Drainage Area (MI ²)	Peak Discharge (CFS)	Time of Peak	Volume (IN)
A	0.00315	7.3	02Jan2009, 00:00	4.06
B	0.00445	10.8	02Jan2009, 00:00	4.26
C	0.00457	11.1	02Jan2009, 00:00	4.26
D	0.00100	2.4	02Jan2009, 00:00	4.26
Junction-1	0.01002	20.0	02Jan2009, 00:00	4.25
Reservoir-1	0.00457	8.0	02Jan2009, 00:15	4.25

Project: 3391E Simulation Run: Prop 10-yr

Start of Run: 01Jan2009, 12:00 Basin Model: Proposed
End of Run: 02Jan2009, 12:15 Meteorologic Model: 10-yr
Compute Time: 16Apr2009, 16:33:41 Control Specifications: Control 1

Volume Units: IN

Hydrologic Element	Drainage Area (MI ²)	Peak Discharge (CFS)	Time of Peak	Volume (IN)
A	0.00315	8.4	02Jan2009, 00:00	4.65
B	0.00445	12.3	02Jan2009, 00:00	4.85
C	0.00457	12.7	02Jan2009, 00:00	4.85
D	0.00100	2.8	02Jan2009, 00:00	4.85
Junction-1	0.01002	22.7	02Jan2009, 00:00	4.85
Reservoir-1	0.00457	9.1	02Jan2009, 00:15	4.85

Project: 3391E Simulation Run: Prop 25-yr

Start of Run: 01Jan2009, 12:00 Basin Model: Proposed
End of Run: 02Jan2009, 12:15 Meteorologic Model: 25-yr
Compute Time: 16Apr2009, 16:33:45 Control Specifications: Control 1

Volume Units: IN

Hydrologic Element	Drainage Area (MI ²)	Peak Discharge (CFS)	Time of Peak	Volume (IN)
A	0.00315	10.2	02Jan2009, 00:00	5.63
B	0.00445	14.8	02Jan2009, 00:00	5.85
C	0.00457	15.2	02Jan2009, 00:00	5.85
D	0.00100	3.3	02Jan2009, 00:00	5.85
Junction-1	0.01002	27.2	02Jan2009, 00:00	5.85
Reservoir-1	0.00457	10.9	02Jan2009, 00:15	5.84

Project: 3391E Simulation Run: Prop 100-yr

Start of Run: 01Jan2009, 12:00 Basin Model: Proposed
End of Run: 02Jan2009, 12:15 Meteorologic Model: 100-yr
Compute Time: 16Apr2009, 16:28:01 Control Specifications: Control 1

Volume Units: IN

Hydrologic Element	Drainage Area (MI ²)	Peak Discharge (CFS)	Time of Peak	Volume (IN)
A	0.00315	13.2	02Jan2009, 00:00	7.32
B	0.00445	19.0	02Jan2009, 00:00	7.54
C	0.00457	19.5	02Jan2009, 00:00	7.54
D	0.00100	4.3	02Jan2009, 00:00	7.54
Junction-1	0.01002	34.8	02Jan2009, 00:00	7.54
Reservoir-1	0.00457	14.0	02Jan2009, 00:15	7.54

Project : 3391E Simulation Run : Prop 2-yr Reservoir: Reservoir-1
Start of Run : 01Jan2009, 12:00 Basin Model : Proposed
End of Run : 02Jan2009, 12:15 Meteorologic Model : 2-yr
Compute Time : 16Apr2009, 16:33:32 Control Specifications : Control 1

Volume Units : IN

Computed Results

Peak Inflow :	8.6 (CFS)	Date/Time of Peak Inflow :	02Jan2009, 00:00
Peak Outflow :	6.2 (CFS)	Date/Time of Peak Outflow :	02Jan2009, 00:15
Total Inflow :	3.26 (IN)	Peak Storage :	0.1 (AC-FT)
Total Outflow :	3.26 (IN)	Peak Elevation :	101.5 (FT)

Project : 3391E Simulation Run : Prop 5-yr Reservoir: Reservoir-1
Start of Run : 01Jan2009, 12:00 Basin Model : Proposed
End of Run : 02Jan2009, 12:15 Meteorologic Model : 5-yr
Compute Time : 16Apr2009, 16:33:36 Control Specifications : Control 1

Volume Units : IN

Computed Results

Peak Inflow :	11.1 (CFS)	Date/Time of Peak Inflow :	02Jan2009, 00:00
Peak Outflow :	8.0 (CFS)	Date/Time of Peak Outflow :	02Jan2009, 00:15
Total Inflow :	4.26 (IN)	Peak Storage :	0.1 (AC-FT)
Total Outflow :	4.25 (IN)	Peak Elevation :	101.8 (FT)

Project : 3391E Simulation Run : Prop 10-yr Reservoir: Reservoir-1
Start of Run : 01Jan2009, 12:00 Basin Model : Proposed
End of Run : 02Jan2009, 12:15 Meteorologic Model : 10-yr
Compute Time : 16Apr2009, 16:33:41 Control Specifications : Control 1

Volume Units : IN

Computed Results

Peak Inflow :	12.7 (CFS)	Date/Time of Peak Inflow :	02Jan2009, 00:00
Peak Outflow :	9.1 (CFS)	Date/Time of Peak Outflow :	02Jan2009, 00:15
Total Inflow :	4.85 (IN)	Peak Storage :	0.1 (AC-FT)
Total Outflow :	4.85 (IN)	Peak Elevation :	102.0 (FT)

Project : 3391E Simulation Run : Prop 25-yr Reservoir: Reservoir-1
Start of Run : 01Jan2009, 12:00 Basin Model : Proposed
End of Run : 02Jan2009, 12:15 Meteorologic Model : 25-yr
Compute Time : 16Apr2009, 16:33:45 Control Specifications : Control 1

Volume Units : IN

Computed Results

Peak Inflow :	15.2 (CFS)	Date/Time of Peak Inflow :	02Jan2009, 00:00
Peak Outflow :	10.9 (CFS)	Date/Time of Peak Outflow :	02Jan2009, 00:15
Total Inflow :	5.85 (IN)	Peak Storage :	0.1 (AC-FT)
Total Outflow :	5.84 (IN)	Peak Elevation :	102.2 (FT)

Project : 3391E Simulation Run : Prop 100-yr Reservoir: Reservoir-1
Start of Run : 01Jan2009, 12:00 Basin Model : Proposed
End of Run : 02Jan2009, 12:15 Meteorologic Model : 100-yr
Compute Time : 16Apr2009, 16:28:01 Control Specifications : Control 1

Volume Units : IN

Computed Results

Peak Inflow :	19.5 (CFS)	Date/Time of Peak Inflow :	02Jan2009, 00:00
Peak Outflow :	14.0 (CFS)	Date/Time of Peak Outflow :	02Jan2009, 00:15
Total Inflow :	7.54 (IN)	Peak Storage :	0.2 (AC-FT)
Total Outflow :	7.54 (IN)	Peak Elevation :	102.6 (FT)