

RUNOFF SUMMARY FLOW IN CUBIC FEET PER SECOND TIME IN HOURS, AREA IN SQUARE MILES									
OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD			BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
HYDROGRAPH AT	SB1	119.	3.77	28.	28.	28.	0.07		
HYDROGRAPH AT	SB2	207.	3.33	30.	30.	30.	0.09		
HYDROGRAPH AT	SB3	155.	4.27	46.	46.	46.	0.13		
3 COMBINED AT	J1	326.	3.56	104.	104.	104.	0.29		
ROUTED TO	WEIR	304.	3.97	90.	90.	90.	0.29	135.8'	3.97

*** NORMAL END OF HEC-1 ***

* FLOOD HYDROGRAPH PACKAGE (HEC-1) *
* MAY 1991 *
* VERSION 4.0.1E *
* RUN DATE 12/05/96 TIME 09:04:18 *

* U.S. ARMY CORPS OF ENGINEERS *
* HYDROLOGIC ENGINEERING CENTER *
* 609 SECOND STREET *
* DAVIS, CALIFORNIA 95616 *
* (916) 551-1748 *

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THIS PROGRAM REPLACES ALL PREVIOUS VERSIONS OF HEC-1 KNOWN AS HEC1 (JAN 73), HEC1GS, HEC1DS, AND HEC1KW.
THE DEFINITIONS OF VARIABLES -RTIME- AND -RTOR- HAVE CHANGED FROM THOSE USED WITH THE 1973-STYLE INPUT STRUCTURE.
THE DEFINITION OF -JMSK- ON RM-CARD HAS CHANGED WITH REVISIONS DATED 28 SEP 81. THIS IS THE FORTRAN77 VERSION
NEW OPTIONS: DAMBREAK OUTFLOW SUBMERGENCE, SINGLE EVENT DAMAGE CALCULATION, DSS-WRITE STAGE FREQUENCY,
DSS-READ TIME SERIES AT DESIRED CALCULATION INTERVAL LOSS RATE-GREEN AND ANET INFILTRATION
KINEMATIC WAVE: NEW FINITE DIFFERENCE ALGORITHM

MAPLE DUNES
GAR - Q100 STORM
EXISTING CONDITIONS
FILE: MAPLE

HEC-1 INPUT PAGE 1

LINE	ID	1	2	3	4	5	6	7	8	9	10
1	ID	Maple Dunes									
2	ID	PEAK FLOW EXISTING CONDITION									
3	ID	Q100 - 6HR STORM									
4	ID	File: Maple									
5	IT	2	0	181							
6	IO	5	0								
7	KK	SB1									
8	KM	COMPUTE HYDROGRAPH									
9	RO			21							
10	BA	.0703									
11	PM	100	0	.87	1.86	3.8	4.6	5.1	6.0		
12	LS	0	81.0								
13	UD	.68									
14	KK	SB2									
15	KM	COMPUTE HYDROGRAPH									
16	RO			21							
17	BA	.0875									
18	LS	0	81.0								
19	UD	.96									
20	KK	SB3									
21	KM	COMPUTE HYDROGRAPH									
22	RO			21							
23	BA	.1297									
24	LS	0	81.0								
25	UD	1.12									
26	KK	J1									
27	BC	3									
28	RO			21							
29	IS										

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Maple Dunes
PEAK FLOW EXISTING CONDITION
Q100 - 6HR STORM
File: Maple

6 IO OUTPUT CONTROL VARIABLES
IPRNT 5 PRINT CONTROL
IPLOT 0 PLOT CONTROL
QSCAL 0. HYDROGRAPH PLOT SCALE
IT HYDROGRAPH TIME DATA
NMIN 2 MINUTES IN COMPUTATION INTERVAL
INITE 1 0 STARTING DATE
ITIME 0000 STARTING TIME
NQ 181 NUMBER OF HYDROGRAPH ORIGINATES
HDATE 1 0 ENDING DATE
HTIME 0600 ENDING TIME
ICENT 19 CENTURY MARK
COMPUTATION INTERVAL 0.03 HOURS
TOTAL TIME BASE 6.00 HOURS

ENGLISH UNITS
DRAINAGE AREA SQUARE MILES
PRECIPITATION DEPTH INCHES
LENGTH, ELEVATION FEET
FLOW CUBIC FEET PER SECOND
STORAGE VOLUME ACRES-Feet
SURFACE AREA ACRES
TEMPERATURE DEGREES FAHRENHEIT

*** END OF HEC-1 ***

* *
7 KK * SB1 *
* *

9 RO OUTPUT CONTROL VARIABLES
IPRNT 5 PRINT CONTROL
IPLOT 0 PLOT CONTROL

QSCAL 0. HYDROGRAPH PLOT SCALE
IPWCH 0 PUNCH COMPUTED HYDROGRAPH
IOUT 21 SAVE HYDROGRAPH ON THIS UNIT
ISAV1 1 FIRST ORIGINATE PUNCHED OR SAVED
ISAV2 181 LAST ORIGINATE PUNCHED OR SAVED
TIMINT 0.033 TIME INTERVAL IN HOURS

*** END OF HEC-1 ***

* *
14 KK * SB2 *
* *

16 RO OUTPUT CONTROL VARIABLES
IPRNT 5 PRINT CONTROL
IPLOT 0 PLOT CONTROL
QSCAL 0. HYDROGRAPH PLOT SCALE
IPWCH 0 PUNCH COMPUTED HYDROGRAPH
IOUT 21 SAVE HYDROGRAPH ON THIS UNIT
ISAV1 1 FIRST ORIGINATE PUNCHED OR SAVED
ISAV2 181 LAST ORIGINATE PUNCHED OR SAVED
TIMINT 0.033 TIME INTERVAL IN HOURS

*** END OF HEC-1 ***

* *
20 KK * SB3 *
* *

22 RO OUTPUT CONTROL VARIABLES
IPRNT 5 PRINT CONTROL
IPLOT 0 PLOT CONTROL
QSCAL 0. HYDROGRAPH PLOT SCALE
IPWCH 0 PUNCH COMPUTED HYDROGRAPH
IOUT 21 SAVE HYDROGRAPH ON THIS UNIT
ISAV1 1 FIRST ORIGINATE PUNCHED OR SAVED
ISAV2 181 LAST ORIGINATE PUNCHED OR SAVED
TIMINT 0.033 TIME INTERVAL IN HOURS

*** END OF HEC-1 ***

* *
26 KK * J1 *
* *

RUNOFF SUMMARY FLOW IN CUBIC FEET PER SECOND TIME IN HOURS, AREA IN SQUARE MILES									
OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD			BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
HYDROGRAPH AT	SB1	119.	3.77	28.	28.	28.	0.07		
HYDROGRAPH AT	SB2	117.	4.07	33.	33.	33.	0.09		
HYDROGRAPH AT	SB3	155.	4.27	46.	46.	46.	0.13		
3 COMBINED AT	J1	366.	4.03	107.	107.	107.	0.29		

*** NORMAL END OF HEC-1 ***

LOT GRADING PLAN

MAPLE DUNES ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS

SW 1/4, SECTION 24, T27S, R2W

MAY 1, 1997
REVISED DECEMBER 10, 1997
REVISED JULY 16, 1998

△ Denotes revisions for that date.

ELEVATIONS SHOWN AROUND STREET R/W ARE STREET R/W ELEVATIONS,
NOT TOP OF CURB ELEVATIONS. TOP OF CURB ELEVATIONS ARE
0.5 FEET LOWER THAN STREET R/W ELEVATIONS.

LEGEND

- G = GARAGE FLOOR ELEVATION
- F = TOP OF FOUNDATION WALL ELEVATION
- R = REAR SOIL ELEVATION (VIEW OUT)
(REAR WALL 0.5' ABOVE SOIL & 3.5' ABOVE BASEMENT FLOOR)
- W = BASEMENT FLOOR ELEVATION (WALK OUT)
- NO = NO VIEW OUT
- VO = VIEW OUT
- WO = WALKOUT

BENCHMARKS

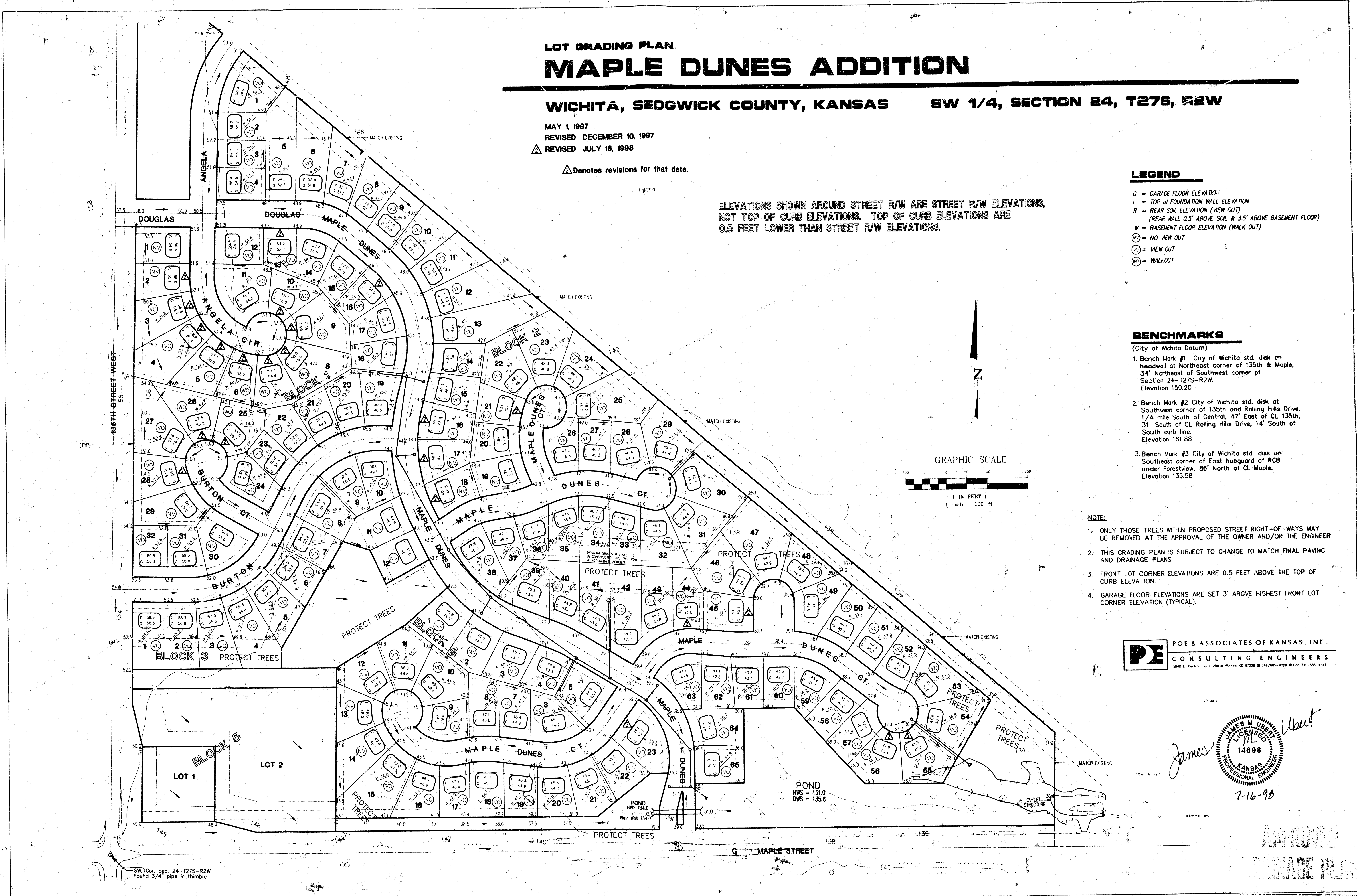
- (City of Wichita Datum)
- Bench Mark #1 City of Wichita std. disk on headwall at Northeast corner of 135th & Maple, 34' Northeast of Southwest corner of Section 24-T27S-R2W. Elevation 150.20
 - Bench Mark #2 City of Wichita std. disk at Southwest corner of 135th and Rolling Hills Drive, 1/4 mile South of Central, 47' East of CL 135th, 31' South of CL Rolling Hills Drive, 14' South of South curb line. Elevation 161.88
 - Bench Mark #3 City of Wichita std. disk on Southeast corner of East hubguard of RCB under Forestview, 86' North of CL Maple. Elevation 135.58

NOTE:

- ONLY THOSE TREES WITHIN PROPOSED STREET RIGHT-OF-WAYS MAY BE REMOVED AT THE APPROVAL OF THE OWNER AND/OR THE ENGINEER
- THIS GRADING PLAN IS SUBJECT TO CHANGE TO MATCH FINAL PAVING AND DRAINAGE PLANS.
- FRONT LOT CORNER ELEVATIONS ARE 0.5 FEET ABOVE THE TOP OF CURB ELEVATION.
- GARAGE FLOOR ELEVATIONS ARE SET 3' ABOVE HIGHEST FRONT LOT CORNER ELEVATION (TYPICAL).

PE POE & ASSOCIATES OF KANSAS, INC.
CONSULTING ENGINEERS
5840 E. Central, Suite 200 • Wichita, KS 67208 • 316/885-1100 • Fax 317/885-6148

James M. USEB
LICENSED
14698
KANSAS
PROFESSIONAL ENGINEER
7-16-98

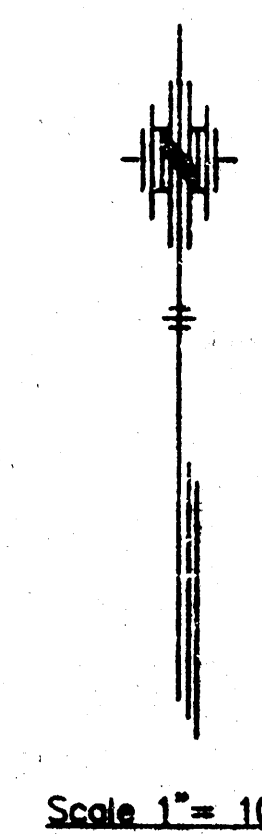


GRAPHIC SCALE

(IN FEET)
1 inch = 100 ft.

DRAINAGE PLAN MAPLE DUNES ADDITION

DECEMBER 5, 1996



Visible topography from
aerial photography
taken 7-12-96 by:
WESTERN AIR MAPS, INC.
LEWIS, MISSOURI 64501

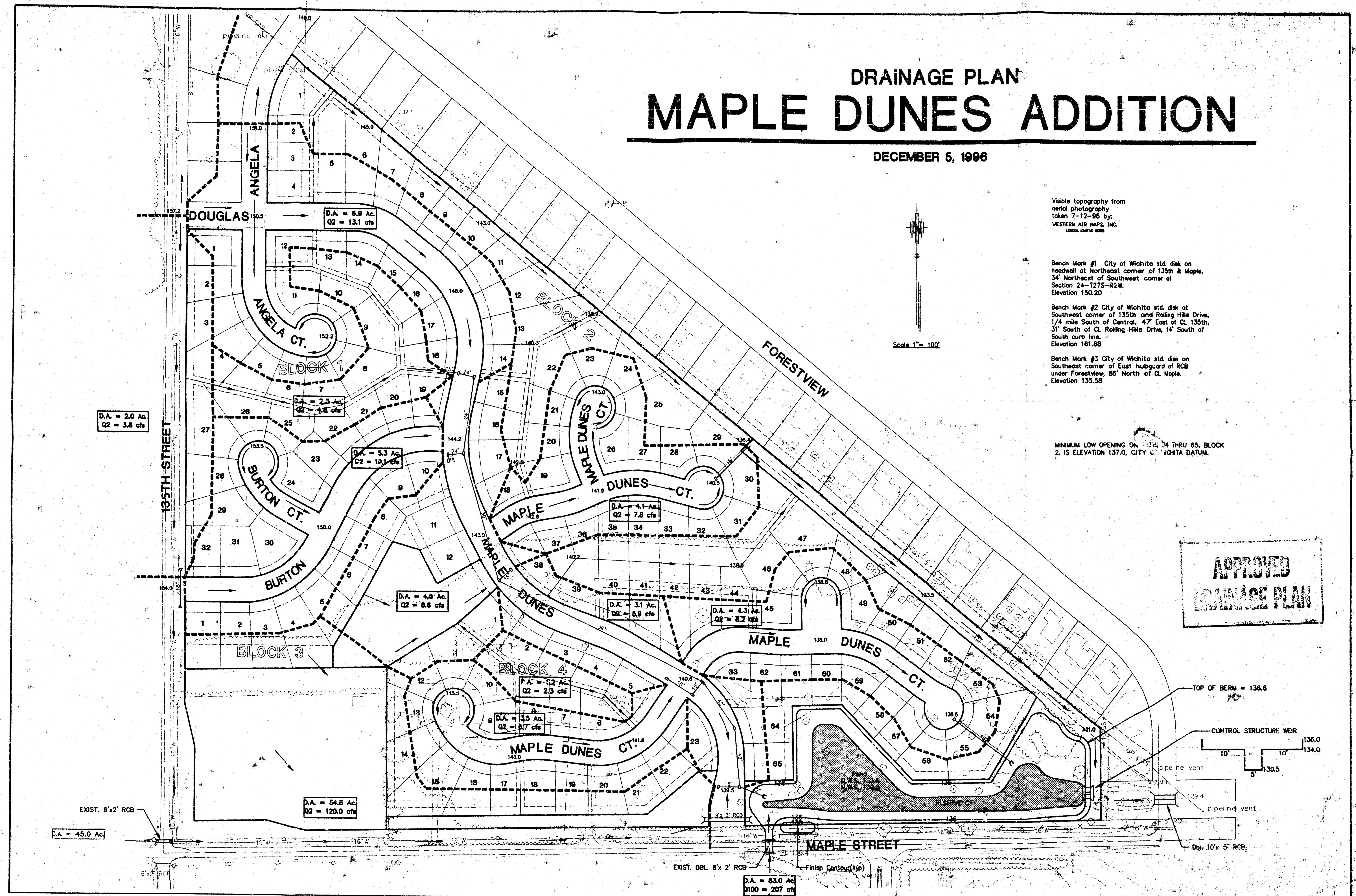
Bench Mark #1 City of Wichita std. disk on
headwall at Northeast corner of 135th & Maple,
34' Northeast of Southwest corner of
Section 24-T275-R2W.
Elevation 150.20

Bench Mark #2 City of Wichita std. disk at
Southwest corner of 135th and Rolling Hills Drive,
1/4 mile South of Central, 47' East of CL 135th,
31' South of CL Rolling Hills Drive, 14' South of
South curb line.
Elevation 161.88

Bench Mark #3 City of Wichita std. disk on
Southeast corner of East hubguard of RCB
under Forestview, 85' North of CL Maple.
Elevation 135.58

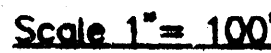
MINIMUM LOW OPENING ON STS 34 THRU 65, BLOCK
2, IS ELEVATION 137.0, CITY OF WICHITA DATUM.

**APPROVED
DRAINAGE PLAN**



MAPLE DUNES ADDITION

DECEMBER 5, 1996



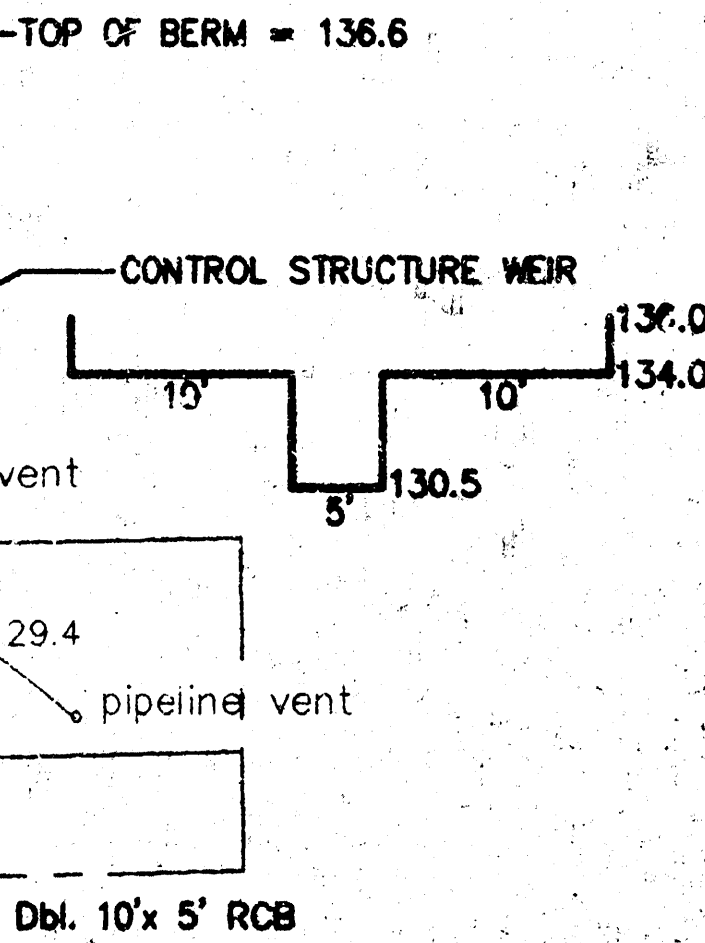
Visible topography from
aerial photography
taken 7-12-96 by
WESTERN AIR MAPS, INC.
LIDEXA, SHARP, GORE

Bench Mark #1 City of Wichita std. disk on
headwall at Northeast corner of 135th & Maple.
34' Northeast of Southwest corner of
Section 24-T27S-R2W.
Elevation 150.20

Bench Mark #2 City of Wichita std. disk at Southwest corner of 135th and Rolling Hills Drive, 1/4 mile South of Central, 47' East of CL 135th 31' South of CL Rolling Hills Drive, 14' South of South curb line.
Elevation 161.88

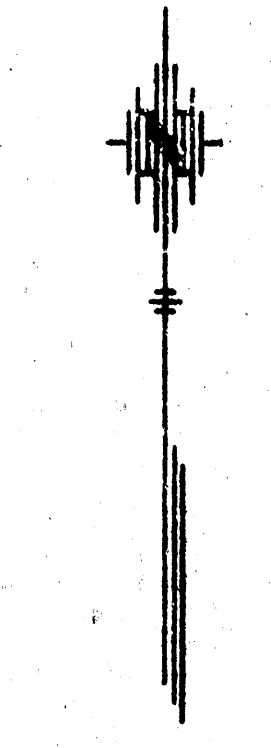
Bench Mark #3 City of Wichita std. disk on
Southeast corner of East hubguard of RCB
under Forestview, 86' North of CL Maple.
Elevation 135.58

MINIMUM LOW OPENING ON LOTS 54 THRU 55, BLOCK 2, IS ELEVATION 137.0, CITY OF WICHITA DATUM.



MAPLE DUNES ADDITION

DECEMBER 5, 1996



Scale 1" = 100'

Visible topography from
aerial photography
taken 7-12-96 by:
WESTERN AIR MAPS, INC.
LEWIS, KENNETH GARY

Bench Mark #1 City of Wichita std. disk on
headwall at Northeast corner of 135th & Maple.
34' Northeast of Southwest corner of
Section 24-T27S-R2W.
Elevation 150.20

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Elevation 161.88

Bench Mark #3. City of Wichita std. disk on Southeast corner of East hubguard of RCB under Forestview, 86' North of CL Maple. Elevation 135.58

MINIMUM LOW OPENING ON LOTS 54 THRU 65, BLOCK
2, IS ELEVATION 137.0, CITY OF WICHITA DATUM.

