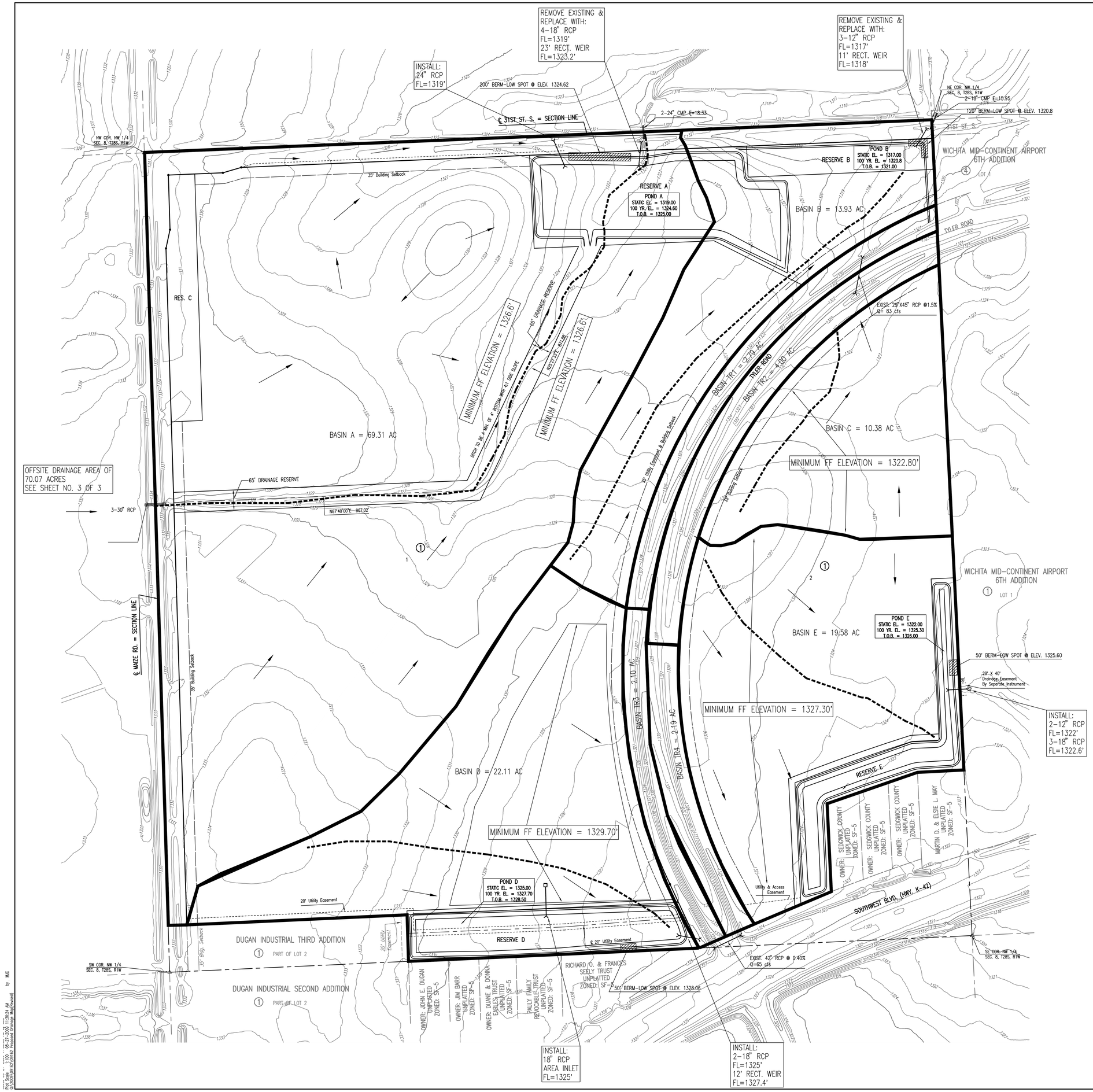
SKYWAY INDUSTRIAL PARK 2ND

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS
PROPOSED DRAINAGE PLAN (REVISED)



BASIN DISCHARGE, CFS

TYPE	2 YR. STORM	5 YR. STORM	10 YR. STORM	25 YR. STORM	100 YR. STORM
PRE & POST DEVELOPMENT BASIN A OFFSITE	22.8	40.1	54.6	75.3	108.2
PRE-DEVELOPMENT BASIN A	44.9	74.9	119.8	161.9	271.3
POST-DEVELOPMENT BASIN A	106.4	159.0	206.4	263.7	349.2
PRE-DEVELOPMENT BASIN B	12.6	20.2	30.9	40.2	67.0
POST-DEVELOPMENT BASIN B	34.7	44.5	54.0	65.7	83.7
PRE-DEVELOPMENT BASIN C	16.6	23.7	32.4	40.8	62.7
POST-DEVELOPMENT BASIN C	31.6	40.7	48.9	59.9	76.2
PRE-DEVELOPMENT BASIN D	12.4	20.8	33.7	44.4	78.0
POST-DEVELOPMENT BASIN D	41.5	53.3	64.9	74.9	101.7
PRE-DEVELOPMENT BASIN E	13.8	22.9	36.9	48.5	84.6
POST-DEVELOPMENT BASIN E	44.9	57.6	70.1	85.7	109.6
PRE & POST DEVELOPMENT BASIN TR-1	5.6	7.7	9.2	11.8	14.4
PRE & POST DEVELOPMENT BASIN TR-2	7.8	10.7	13.0	16.0	20.5

POND DISCHARGE, CFS

TYPE	2 YR. STORM	5 YR. STORM	10 YR. STORM	25 YR. STORM	100 YR. STORM
PRE-DEVELOPMENT POND A	67.7	115.0	174.4	237.2	379.5
POST-DEVELOPMENT POND A	29.4	42.8	52.3	65.9	117.2
PRE-DEVELOPMENT POND B	42.6	62.3	85.5	108.8	164.6
POST-DEVELOPMENT POND B	33.7	48.1	54.7	70.2	88.2
PRE-DEVELOPMENT POND D	12.4	20.8	33.7	44.4	78.0
POST-DEVELOPMENT POND D	5.6	9.6	12.8	16.4	21.8
PRE-DEVELOPMENT BASIN E	13.8	22.9	36.9	48.5	84.6
POST-DEVELOPMENT BASIN E	9.6	17.5	24.7	32.6	42.1

FLOWS COMPUTED BY HEC-HMS. SEE DRAINAGE REPORT FOR COMPUTATIONS.

SCALE: 1" = 100'

◆ = 1/2" REBAR W/PEC CAP UNLESS OTHERWISE NOTED

△ = SECTION CORNER

BENCHMARKS @

BM #50

A CITY OF WICHITA BRASS DISC LOCATED 50.0 FEET SE. OF THE N 1/4 CORNER OF SECTION 8, T28S, R1W.

ELEV. 1318.06 NAVD. 88

BM #51

A CHISELED SQUARE ON THE SOUTHWEST END OF A CONCRETE CULVERT LOCATED ON THE NORTH SIDE OF 31ST S. AND OLD TYLER RD.

ELEV. 1313.31 NAVD. 88

BM #52

A CHISELED SQUARE ON THE CENTER SOUTH CONCRETE HEADWALL OF A RCB LOCATED 335 FEET WEST MAIZE RD. ON THE SOUTH SIDE OF 31ST ST. SOUTH

ELEV. 1331.82 NAVD 88

Tc Drainage Path

Basin Boundary

Flow Line

Berm

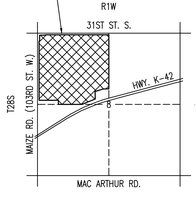
DATE OF PREPARATION: AUGUST 2009

TOPOGRAPHIC SURVEY: MARCH 2009

OWNER: CITY OF WICHITA
455 N. MAIN
WICHITA, KS 67202

SUBDIVIDER: PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
303 S. TOPEKA
WICHITA, KS 67202

PROJECT AREA



SHEET NO 2 OF 3

Professional Engineering Consultants, P.A.
303 S. TOPEKA • WICHITA, KANSAS 67202
316-262-2691 • FAX 316-262-3003

PAGE SIZE ** 1100 ' 08-27-2009 11:30:24 AM by MJC
Q:\2009\09162\09162 Proposed Drainage Map(Revised)