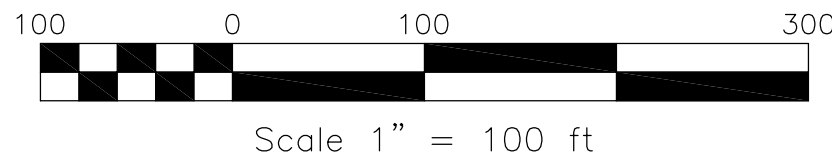


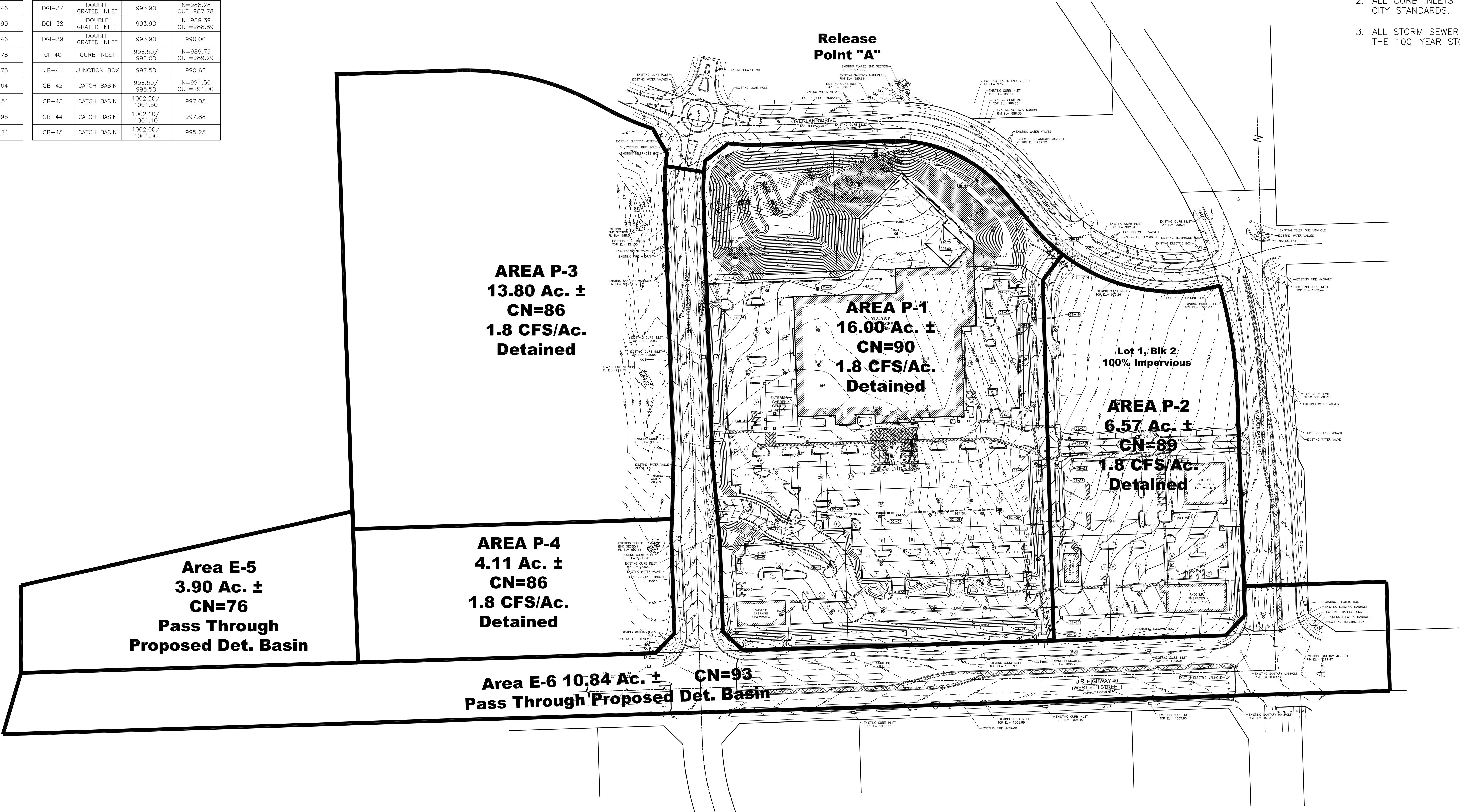
GRADING AND DRAINAGE PLAN



GENERAL NOTES:

- 1. OCCUPANCY PERMIT FOR PROPOSED BUILDINGS WILL NOT BE ISSUED UNTIL THE REQUIRED PUBLIC DRAINAGE IMPROVEMENTS ARE COMPLETED, FINAL INSPECTED, AND ACCEPTED BY THE PUBLIC WORKS DEPARTMENT.
- 2. ALL CURB INLETS ON-SITE WILL BE BUILT PER CITY STANDARDS.
- 3. ALL STORM SEWER SHALL BE DESIGNED FOR THE 100-YEAR STORM.

STORM DRAINAGE STRUCTURE SCHEDULE	STORM DRAINAGE STRUCTURE SCHEDULE
STRUCTURE NUMBER	STRUCTURE NUMBER
STRUCTURE TYPE	STRUCTURE TYPE
TOP/GRATE INLET ELEVATIONS	TOP/GRATE INLET ELEVATIONS
FLOWLINE ELEVATIONS	FLOWLINE ELEVATIONS
CS-1 CONTROL STRUCTURE 991.00 976.00	CB-25 CATCH BASIN 1001.50/1000.50 998.17
FES-3 FLARED END SECTION - 976.00	CB-26 CATCH BASIN 993.00/992.00 986.98
JB-5 JUNCTION BOX 992.75 983.04	CB-27 CATCH BASIN 994.35/993.35 989.24
JB-6 JUNCTION BOX 995.75 983.85	CB-28 CATCH BASIN 996.50/995.50 991.50
JB-7 JUNCTION BOX 992.60 984.74	CB-29 CATCH BASIN 992.50/991.50 987.18
CB-8 CATCH BASIN 993.60/992.60 IN=991.32 OUT=990.82	FES-30 FLARED END SECTION - 978.00
CB-9 CATCH BASIN 997.25/996.25 IN=991.32 OUT=990.82	FES-31 FLARED END SECTION - 978.00
CB-10 CATCH BASIN 999.80/998.80 IN=996.53 OUT=994.78	CI-32 CURB INLET 993.00/992.50 IN=988.00 IN=983.68 OUT=983.18
CB-11 CATCH BASIN 1001.40/1000.40 996.00	CB-33 CATCH BASIN 994.50/993.50 983.97
AI-12 AREA INLET 1002.00/1001.00 IN=998.00 OUT=996.50	CB-34 CATCH BASIN 996.50/995.50 985.15
AI-13 AREA INLET 1002.50/1001.50 998.20	CB-35 CATCH BASIN 994.50/993.50 IN=990.00 IN=986.82 OUT=986.32
CB-14 CATCH BASIN 992.10/991.10 984.91	DGI-36 DOUBLE GRATED INLET 993.90 987.20
CB-15 CATCH BASIN 992.10/991.10 985.15	DGI-37 DOUBLE GRATED INLET 993.90 IN=988.28 OUT=987.78
CB-16 CATCH BASIN 993.40/992.40 986.46	DGI-38 DOUBLE GRATED INLET 993.90 IN=989.39 OUT=988.89
CB-17 CATCH BASIN 997.70/996.70 991.90	DGI-39 DOUBLE GRATED INLET 993.90 990.00
CB-18 CATCH BASIN 997.80/996.80 992.46	CI-40 CURB INLET 996.50/996.00 IN=989.79 OUT=989.29
CB-19 CATCH BASIN 1002.90/1001.90 995.78	JB-41 JUNCTION BOX 997.50 990.66
CB-20 CATCH BASIN 1003.75/1002.75 997.75	CB-42 CATCH BASIN 996.50/995.50 IN=991.50 OUT=991.00
CB-21 CATCH BASIN 997.15/996.15 992.64	CB-43 CATCH BASIN 1002.50/1001.50 997.05
CB-22 CATCH BASIN 999.10/998.10 992.51	CB-44 CATCH BASIN 1002.10/1001.10 997.88
CB-23 CATCH BASIN 1003.40/1002.40 995.95	CB-45 CATCH BASIN 1002.00/1001.00 995.25
CB-24 CATCH BASIN 1000.25/999.25 996.71	



Benchmarks:

- BM-1 SET CHISELED ON CENTER FRONT FACE CURB INLET SE CORNER INTERSECTION OF OVERLAND DRIVE AND WAKARUSA DRIVE. ELEV: 1003.25
- BM-2 SET CHISELED 'I' NE CORNER CONCRETE STREET LIGHT BASE IN NW CORNER 6TH STREET AND WAKARUSA DRIVE. ELEV: 1011.99
- BM-3 SET CHISELED 'I' NE CORNER CONCRETE PAD FOR ELECTRICAL BOX 100' ± EAST OF AERIAL TARGET 1 WEST SIDE OF BASEBALL DIAMOND. ELEV: 997.46

PRELIMINARY DEVELOPMENT PLAN

FOR REVIEW PURPOSES ONLY
NOT TO BE USED FOR CONSTRUCTION

GRADING AND DRAINAGE PLAN
LAWRENCE, DOUGLAS COUNTY, KS

E-Mail: mail@buescherfranken.com Telephone: (636) 238-4751
BUESCHER FRANKENBERG ASSOCIATES, INC.
consultants & engineers WASHINGTON, MISSOURI 63090

103a ELM STREET

OWN: BY K.C.V. DATE 07-11-07 PROJ. NO. 02-2667

CHK'D SCALE 1"=100' DWG. NO. 5 OF 5

APP'D NO. REVISION BY DATE APP'D

Three working days prior to the start of any excavation on this site the Contractor shall contact 1-800-XXX-XXXX for utility location information.

All O.S.H.A. rules and regulations established for the type of construction required by these plans shall be strictly followed (i.e. Trenching, Blasting, etc.)