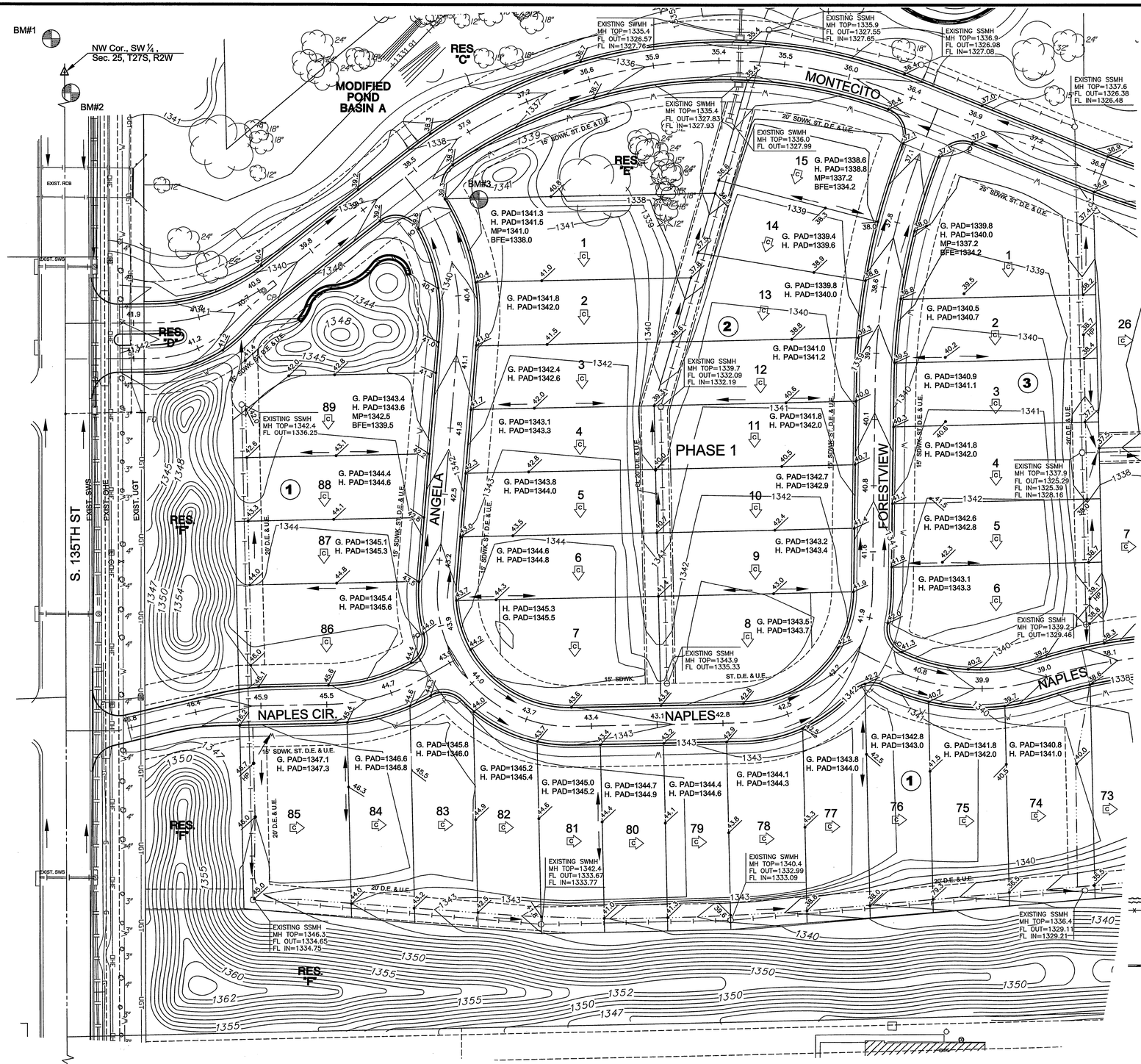
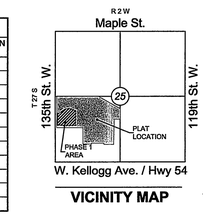


Proposed Conditions for Modified Pond for Proposed Basin A.						
Basin Name	2-Yr	5-Yr	10-Yr	25-Yr	50-Yr	100-Yr
Flow In (cfs)	262	362	451	580	686	796
Flow Out (cfs)	183	302	399	536	643	751
Storage Vol. (ac-ft)	17.2	20.5	22.7	25.3	27.1	28.9
Water Sur. Elev. (ft)	1328.6	1329.0	1329.3	1329.7	1329.9	1330.1
Outlet Structure	10' Rectangular Weir at 1325.5', 60' Rectangular Weir at 1328.5					

Proposed Conditions for Lower Central Pond for Proposed Basin C						
Basin Name	2-Yr	5-Yr	10-Yr	25-Yr	50-Yr	100-Yr
Flow In (cfs) *	407	592	748	968	1143	1321
Flow Out (cfs)	192	322	426	571	685	798
Storage Vol. (ac-ft)	5.11	5.62	5.89	6.23	6.47	6.69
Water Sur. Elev. (ft)	1325.5	1325.9	1326.1	1326.3	1326.5	1326.7
Outlet Structure	6' Rectangular Weir at 1321.0', 130' Rectangular Weir at 1325.5'					

*Arithmetic Calculation

MINIMUM PAD ELEVATIONS LOWEST OPENINGS					
LOT(S) Inclusive	BLOCK	ELEVATION NAVD'88	LOT(S) Inclusive	BLOCK	ELEVATION NAVD'88
1	1	1342.5	41-43	1	1326.6
2	1	1339.5	44-47	1	1326.7
3-5	1	1337.2	48-52	1	1326.8
6-9	1	1333.2	53	1	1331.5
10	1	1328.0	89	1	1342.5
11	1	1326.5	1	2	1341.0
14	1	1330.2	15	2	1337.2
15-28	1	1327.9	1	3	1337.2
29	1	1327.5	17-26	3	1333.2
30	1	1327.0	1-16	4	1329.2
31-38	1	1326.6			



VICINITY MAP

BENCHMARKS

BM#1 SQUARE CUT ON EAST NOSE OF CENTER ISLAND, 50 FEET WEST OF 135TH STREET WEST AND ONEWOOD STREET INTERSECTION. ELEV.=1350.35 NAVD88

BM#2 SQUARE CUT ON NORTHEAST CORNER CURB INLET, EAST SIDE OF 135TH STREET WEST, 33 FEET SOUTH OF NW 1/4, SEC. 25, T27S, R2W OF TH81TH P.M. ELEV.=1346.29 NAVD88

BM#3 5/8"X36" REBAR WITH MKEC CPA ID CAP 64 FEET N OF NW CORNER LOT 2 BLOCK 2 AND 56 FEET E OF FH. BM IS IN RESERVE NORTH OF LOT 1, BLOCK 2. ELEV=1340.39 NAVD88

SCALE: 1"=40'

0 40 80

N

REVISION HISTORY

DATE	REVISION	REASON

LEGEND

- BIN - CONIFEROUS TREE & DIAMETER
- BIN - DECIDUOUS TREE & DIAMETER
- SN - SIGN
- BUSH
- EDGE OF TREES
- FENCE
- SSMH - SANITARY SEWER MANHOLE
- GM - GAS METER
- POLE - POLE
- HLP - HIGH LINE POLE
- GATE
- WALL
- LP - LIGHT POLE
- FH - FIRE HYDRANT
- WV - WATER VALVE
- WM - WATER METER
- PB - POWER POLE AND GUY ANCHOR
- TR - TELEPHONE RISER
- INLET
- STORM SEWER PIPE
- W - WATER LINE
- S - SANITARY SEWER LINE
- G - GAS LINE
- T - TELEPHONE LINE
- PROP. CONTOURS
- EXIST. CONTOURS
- UGE - UNDERGROUND ELECTRIC LINE
- OHT - OVERHEAD TELEPHONE
- OHE - OVERHEAD ELECTRIC
- FOC - UNDERGROUND FIBER OPTIC CABLE
- SECTION CORNER
- PROPERY CORNER FOUND
- BM - BENCHMARK
- G. PAD - GARAGE PAD
- H. PAD - HOUSE PAD
- M.P. - MINIMUM PAD

WO - WALKOUT
VO - VIEWOUT
TVO - TERRACED VIEWOUT
TWO - TERRACED WALKOUT
50.0 * - MAY REQUIRE THICKER FOOTING AND/OR ENGINEERED FILL UNDER FOOTINGS
50.0 - SPOT ELEV. (ADD 1300 TO NAVD88 DATUM)
PAD=1362.8 ADD 2 STEPS TF=1364.8 - PROP. HOUSE ELEV.
WO=1357.1 PAD=1352.8 ADD 2 STEPS TF=1354.8 VO=1357.1 - EXIST. PLOT PLAN HOUSE ELEV.
MP - MINIMUM PAD
BF - BASEMENT FLOOR
TF - TOP OF FOUNDATION
G. PAD - GARAGE PAD
H. PAD - HOUSE PAD
- DIRECTION OF PATIO/COURTYARD
- DIRECTION OF FLOW

NOTES:
VERTICAL DATUM USED IS NAVD88.

ALL STREET GRADES SHOWN ARE TO TOP OF PAVEMENT.

JEFFREY T. CARTWRIGHT LICENSED 14371 PROFESSIONAL ENGINEER 11/19/18

MKEC
Wichita, KS • 316-684-9600

FOUR CORNER GRADING PLAN FOR

AUBURN LAKES ADDITION

PHASE 1

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FOUR CORNER GRADING PLAN PHASE 1

PROJECT NO.	16221
DATE	NOVEMBER 2018
SCALE	1'=40"

DESIGNED	DRAWN	CHECKED
JTC	DM	KLA

NO.	REVISION	DATE

SHEET NO.

01 OF 01

PLOTTED: Thursday, November 15, 2018 @ 01:59PM

J:\PROJECTS\2016\161610221_PERFECTION_AUBURN_LAKES_16221 CAD\SHTS\05 CIVIL\KCGR\16221_4CGP.DWG