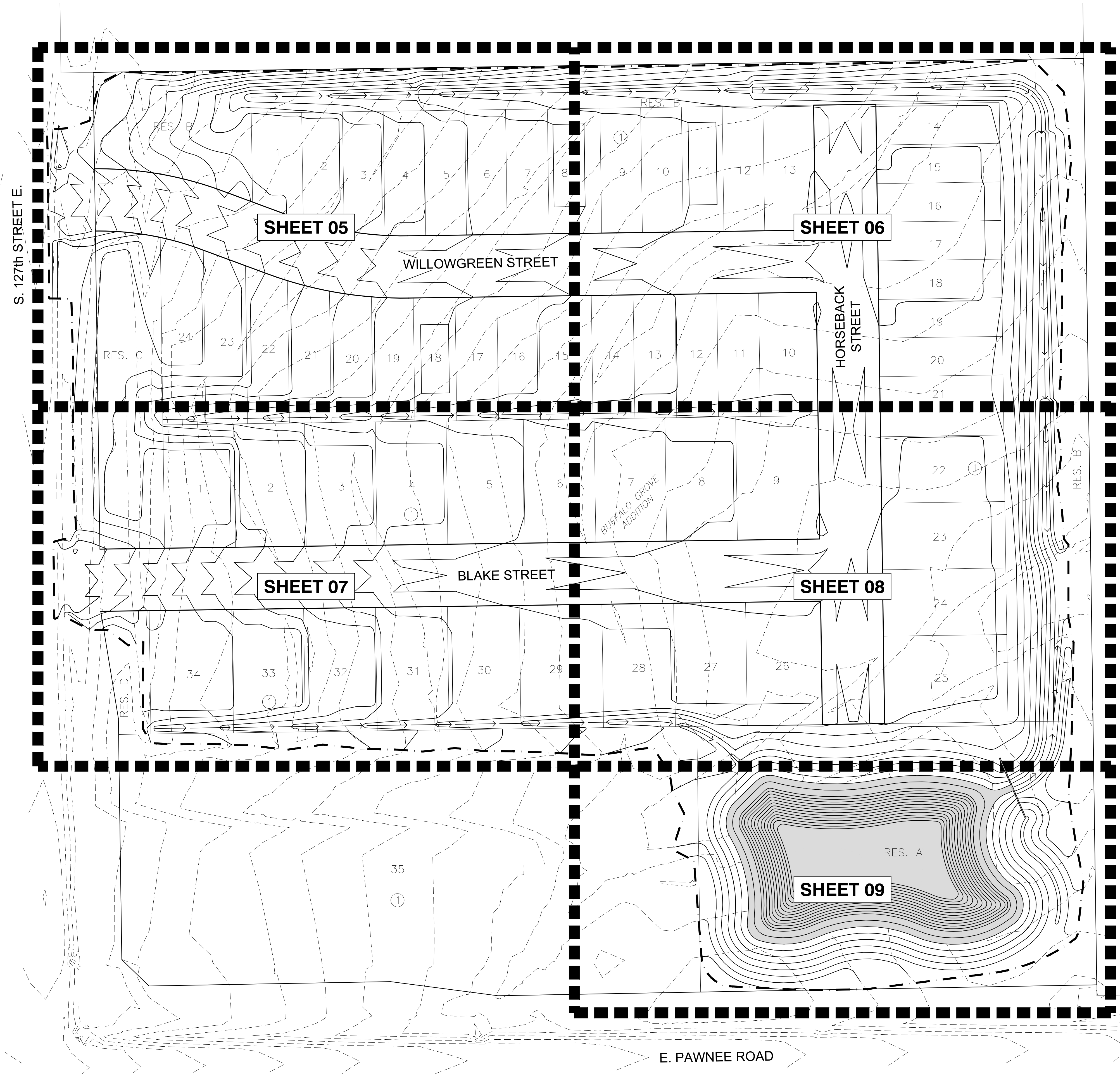


J:\PROJECTS\2022\0110706\_SCHROEDER\_127TH AND PAWNEE\0020706 CAD\SHS\05 OVERALL GRADING.DWG  
 PLOTTED: Friday, November 11, 2022 @ 07:40AM



**GENERAL GRADING NOTES**

- THIS IS DESIGN GRADING. ALL GRADES SHALL BE CONTOURED SMOOTHLY WITH GENTLE ROUNDING/SHAPING OF ALL AFFECTED LAND SURFACES. ABRUPT TRANSITIONS AT THE TOP OF SLOPES WHERE PROPOSED GRADES MEET EXISTING ARE NOT ACCEPTABLE. SURVEY STAKES FOR POND GRADING ARE FOR GENERAL GRADING PURPOSES ONLY. NOT ALL SLOPES ARE CONSTANT AND THEREFORE THE GRADING PLANS SHALL BE REFERRED TO FOR FINAL GRADE SHAPING. ALL BERMS & POND EDGES SHALL BE FINAL GRADE/SHAPED WITH A TRACK DOZER, NOT A BLADE. THE GRADING SHALL BE APPROVED BY MKEC'S LANDSCAPE ARCHITECT PRIOR TO THE ADDITION OF THE TOPSOIL LAYER.
  - A 6" LAYER OF TOPSOIL SHALL BE STRIPPED IN ALL AREAS OF CUT AND FILL AND SAVED BACK FOR TOPSOIL REPLACEMENT. NOTE: THE FINISHED GRADE INDICATES THE SURFACE ELEVATION AFTER THE LAYER OF TOPSOIL HAS BEEN PLACED. IN CASES WHERE GRADING IS DIRECTED UNDER TREE DRIP LINES, NO TOPSOIL STRIPPING SHALL BE PERFORMED WITHIN THESE AREAS. (COST SUBSIDIARY TO EARTHWORK).
- TOPSOIL PLACEMENT DEPTH  
 NEIGHBORHOOD LOTS - 0 INCHES  
 STREET R/W - 0 INCHES  
 RESERVE AREAS/DRAINAGE SWALES - 6 INCHES
- CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE ON HAUL ROUTES, IF OTHER THAN THOSE INDICATED ON THE PLANS.
  - EARTHWORK COMPACTION SHALL BE AT 95% STANDARD DENSITY. BERM COMPACTION AND TOPSOIL LAYERS SHALL BE AT 90% STANDARD DENSITY. TESTING SHALL BE BY THE CONTRACTOR.
  - REMOVAL OF EXISTING DRIVES, PAVEMENT, STRUCTURES, AND DEBRIS SHALL BE SUBSIDIARY TO SITE CLEARING AND RESTORATION. DEBRIS IF CRUSHED INTO SMALL PIECES MAY BE WASTED ON SITE UNDER THE PROPOSED BERMS. THERE SHALL BE A MINIMUM OF 3" OF SOIL COVER. CONCRETE DEBRIS MAY ALSO BE WASTED ON SITE IN PROPOSED PONDS AS FISH HABITATS. COORDINATE WITH OWNER'S REPRESENTATIVE.
  - AS THE PROJECT NEARS COMPLETION, THE CONTRACTOR SHALL RIP (SCARIFY) ALL HAUL ROADS WITH AN AGRICULTURAL IMPLEMENT INTENDED FOR SUCH PURPOSES TO A DEPTH OF 18". MULTIPLE PASSES MAY BE NECESSARY TO THOROUGHLY ALLEVIATE COMPACTION.
  - SOIL DENSITY TESTING WITHIN PUBLIC RIGHT-OF-WAY WILL BE PROVIDED BY THE CITY OF WICHITA.
  - A DENSITY TEST FOR EVERY LOT PER EACH FOOT OF FILL MATERIAL PLACED SHALL BE PERFORMED ON ALL LOTS. TESTING EXPENSES WILL BE COVERED BY THE CONTRACTOR. TESTING COORDINATION SHALL BE BY THE CONTRACTOR.
  - THE ELEVATION FOR THE BOTTOM OF THE DETENTION POND IN "RESERVE A" IS APPROXIMATE AND IS BASED ON SITE EARTHWORK ESTIMATES. ANY EXCESS MATERIAL IS TO BE PLACED IN THE BOTTOM OF THE POND, BENEATH THE CLAY LINER.

SIERRA HILLS GOLF CLUB ADDITION



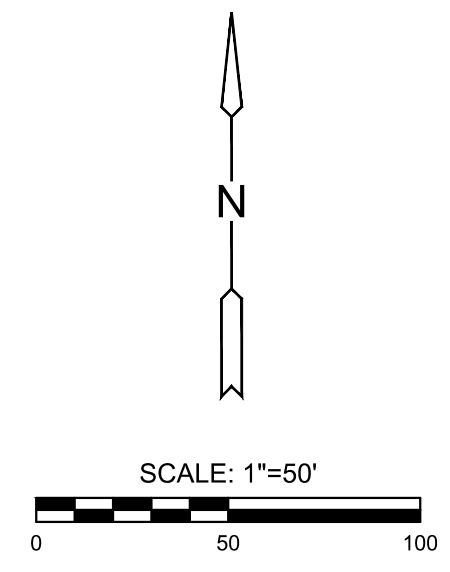
**BENCHMARKS**

BM & CP-100  
 N:1673873.821 E:1691836.443 EL:1356.26  
 MAG NAIL SET IN A FOUND SQUARE CUT ON SOUTH END OF WEIR WALL, 57' NORTH AND 77' WEST OF THE CENTERLINE OF 127TH ST. E. & PAWNEE  
  
 CP-101  
 N:1674242.41 E:1691958.454 EL:1353.155  
 5/8" REBAR WITH ALUMINUM CONTROL CAP

**DATUM**

The Horizontal Datum is based on the Kansas Coordinate System of 1983, NAD83(2011), EPOCH:2010.0000, South Zone. Coordinates shown have been modified to the ground using a combined adjustment factor of 1.0001200144. State Plane coordinates can be calculated by multiplying the shown values by 0.99988.

All elevations shown are based on the NAVD 88 vertical datum, Geoid12b.



GRADING PLANS FOR  
**BUFFALO GROVE ADDITION**  
 WICHITA, KANSAS

©2022  
 MKEC Engineering  
 All Rights Reserved  
 www.mkec.com  
 These drawings and their contents, including, but not limited to, all concepts, designs, & ideas are the exclusive property of MKEC Engineering (MKEC), and may not be used or reproduced in any way without the express consent of MKEC.

**OVERALL GRADING PLAN**

PROJECT NO.	458-2022-085514	
DATE	NOV 2022	
SCALE	1" = 50'	
DESIGNED	DRAWN	CHECKED
KPG	MKEC	KPG
NO.	REVISION	DATE