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 PLOTTED: Tuesday, July 18, 2017 @ 02:43PM
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GENERAL NOTES

- UNLESS SHOWN OR STATED OTHERWISE ON THESE DRAWINGS, MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF WICHITA CONCRETE PAVEMENT AND ASPHALTIC CONCRETE PAVEMENT SPECIFICATIONS.
- CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF SEVENTY-TWO (72) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:
 KANSAS ONE-CALL 1-800-344-7233
 OR 687-2470 (LOCAL WICHITA)
 THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:
 SBC (TELEPHONE) 800-870-8390
 COX COMMUNICATIONS (CABLE) 262-0661
 WESTAR (ELECTRIC) 383-8600
 KANSAS GAS SERVICE (GAS) 832-3101
 CITY OF WICHITA WATER & SEWER MAINT. 262-6000
 BLACK HILLS ENERGY (GAS) 800-303-0357
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.
- EXISTING UTILITIES AND THEIR LOCATIONS, AS SHOWN ON THE PLANS REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED.
- RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE AND SITE LOCATION. LOCATIONS THAT, IN THE OPINION OF THE ENGINEER, WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED. ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND FLOOD PLAIN WOULD REQUIRE A KANSAS STATE BOARD OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN WATERS OF THE UNITED STATES OR WETLANDS IS SUBJECT TO U.S. CORPS OF ENGINEERS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS WOULD REQUIRE ADDITIONAL ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.
- ALL COMPACTION OF EARTHWORK SHALL BE 95% STANDARD DENSITY IN ACCORDANCE WITH ASTM D-698.
- OTHER CONSTRUCTION MAY BE UNDER WAY SIMULTANEOUSLY WITH THIS PROJECT. THE CONTRACTOR SHALL COORDINATE WITH ANY CONTRACTORS CONSTRUCTING OTHER PORTIONS OF THE PROJECT.
- EXCESS EXCAVATION SHALL BE STOCKPILED ON-SITE IN A LOCATION APPROVED BY THE FIELD ENGINEER.
- STAKING, TESTING AND INSPECTION WILL BE PROVIDED BY THE CITY OF WICHITA.
- ANY DEWATERING THAT IS NECESSARY SHALL BE SUBSIDIARY TO EARTHWORK ITEMS.

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 GRADED/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 SAVED BACK FOR REPLACEMENT IN RESERVE AREAS INDICATED. ANY EXCESS TOPSOIL SHALL BE SEPARATELY STOCK PILED ON-SITE AT AN APPROVED LOCATION. NO TOPSOIL SHALL BE PLACED ON LOTS OR WITHIN STREET R/W UNLESS SPECIFICALLY NOTED.
- TOPSOIL SHALL BE REPLACED AT A DEPTH OF 6" IN ALL POND RESERVE AREAS. THE FINISHED GRADE SHOWN ON THE PLANS INDICATES THE SURFACE ELEVATION AFTER THE TOPSOIL LAYER HAS BEEN PLACED.
- 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.

ADD ALTERNATE #1 SHALL INCLUDE ALL EXCAVATION, PLACEMENT OF CLAY LINER & BENTONITE PER THE DETAIL ON SHEET 02, DEWATERING, EROSION CONTROL, TREE PROTECTION. PERMANENT SEEDING LIMIT DAMAGE OF EXISTING VEGETATION WHILE ACCESSING THE AREA. COST OF SEEDING DISTURBED AREA SHALL BE SUBSIDIARY TO EXCAVATION.

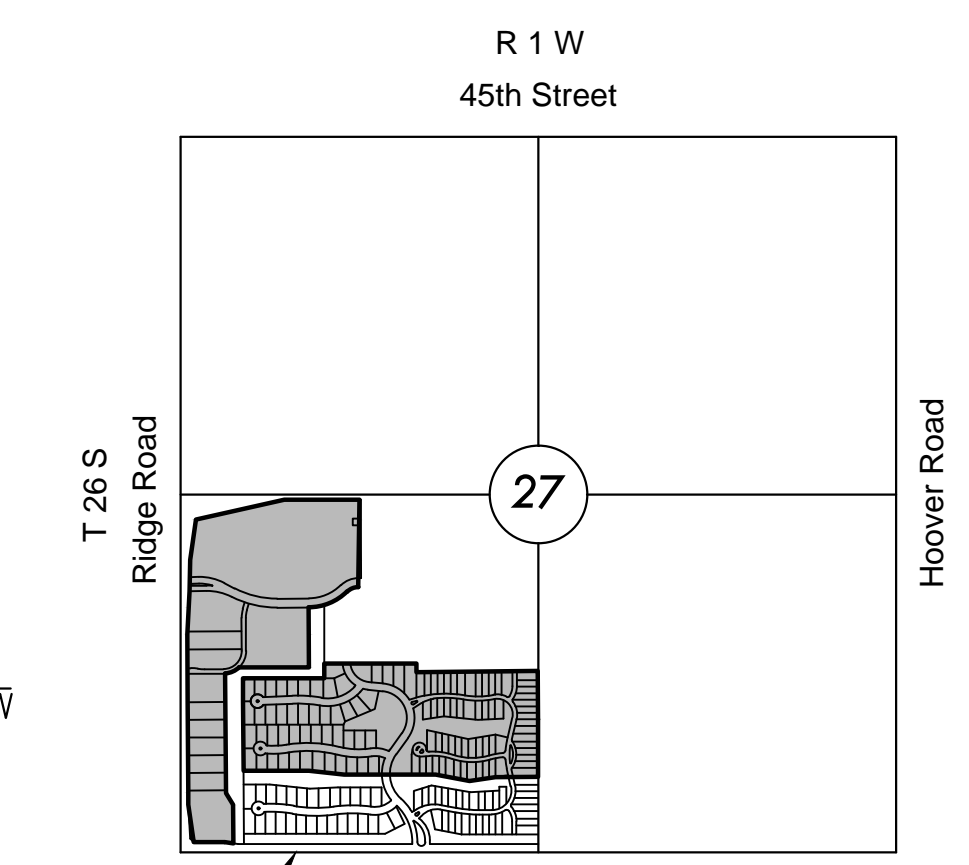
STORMWATER DRAIN #406

TO SERVE

ESTANCIA ADDITION

AN ADDITION TO THE CITY OF WICHITA
 SEDGWICK COUNTY, KANSAS
 PROJECT NO. 468-85071

GARY JANZEN, P.E. - CITY ENGINEER
 OCA NO. 751558

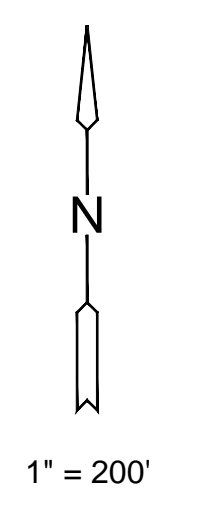
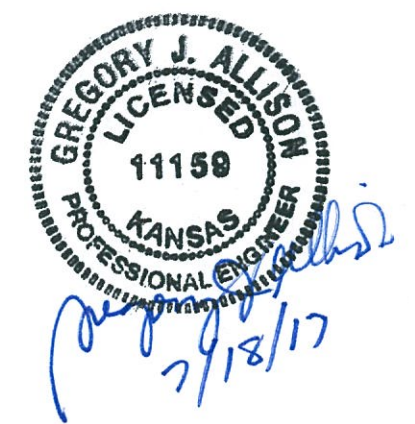


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EARTHWORK SUMMARY

EXCAVATION	33,930 C.Y.
*COMPACTED FILL (95%)	36,000 C.Y.
NORTH AREA BORROW	14,400 C.Y.
* 35% SHRINK/SWELL FACTOR ADDED	
ADD ALTERNATE #1	
EXCAVATION	670 C.Y.



BENCHMARKS

- BM1 (Platted)**
 Square cut top of curb, on west side of median island and 10 feet north of the south end of the median, lying south of the K-96 and Ridge Rd. 338 feet south of the NW cor. of the SW 1/4, Sec. 27, Twp. 26S, Rge 1W, 6th P.M.
 Elev. = 1335.80' NAVD 88
 N = 1711876.95 E = 1622888.17
- BM2**
 Square cut top of curb at east end of nose of island, south drive to Ridgewood Medical Building, 4031 N. Ridge Rd. West side of Ridge Rd.
 Elev. = 1336.03' NAVD 88
 N = 1710906.12 E = 1622855.09
- BM3**
 RR spike in NW face of 3rd powerpole north of 37th/Ridge Rd intersection, east side of Ridge RD.
 Elev. = 1332.68' NAVD 88
 N = 1710297.85 E = 1622992.31
- BM4**
 Square cut northeast corner of traffic signal vault at northeast corner of 37th/Ridge Rd intersection. 12 feet east of traffic pole base.
 Elev. = 1330.34' NAVD 88
 N = 1709651.54 E = 1623019.45
- BM5**
 Square cut top of curb at north nose of island at drive to Mid-Kansas Pediatric Associates at 6837 W 37th St. N.
 Elev. = 1336.07' NAVD 88
 N = 1709534.22 E = 1624236.09
- BM6**
 Square cut top of curb on east side of Ridgeport Street. at end of curb at southeast corner of Ridgeport St. and 37th St. N. intersection.
 Elev. = 1333.08' NAVD 88
 N = 1709580.98 E = 1625286.23
- Vertical Datum: NAVD 88



STORMWATER DRAIN #406
ESTANCIA ADDITION
 PHASE 2

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TITLE SHEET

PROJECT NO.	468-85071	
DATE	JULY 2017	
SCALE	1" = 200'	
DESIGNED	DRAWN	CHECKED
MLP	MLP	GJA
NO.	REVISION	DATE
SHEET NO.		
01 OF 18		