

GENERAL CIVIL/SITE WORK NOTES

- NOTES ON THIS SHEET ARE APPLICABLE TO WORK RELATED TO SITE GRADING, SITE EROSION CONTROL, WATER, SANITARY SEWER, AND STORM SEWER LINES OUTSIDE THE BUILDING.
- THE CITY OF WICHITA AND/OR THEIR CONSULTANT SHALL PROVIDE CONSTRUCTION STAKING AND INSPECTION OVERSIGHT.
- COMPACTION TESTING SHALL BE PROVIDED BY THE CONTRACTOR. FREQUENCY OF TESTING SHALL BE THREE (3) TESTS PER FULL SIZE FIELD PER ONE (1) VERTICAL FOOT. COST SHALL BE SUBSIDIARY TO EARTHWORK TESTING.

GENERAL NOTES

- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY REGULATIONS. ALL CONSTRUCTION SHALL BE COMPLETED FOLLOWING CURRENT CITY STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
- CONTRACTOR WILL BE REQUIRED TO PROVIDE NOTICE TO UTILITY COMPANIES A MINIMUM OF SEVENTY-TWO (72) HOURS PRIOR TO ANY EXCAVATION, AS FOLLOWS:

KANSAS ONE-CALL 687-2470

THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:

AT&T	1-316-246-8464
BLACK HILLS ENERGY (GAS)	1-800-694-8989
CITY OF WICHITA WATER & SEWER	1-316-219-8921
CITY OF WICHITA STORMWATER	1-316-268-4090
CITY OF WICHITA TRAFFIC	1-316-268-4034
COX COMMUNICATIONS	1-888-249-3530
KANSAS GAS SERVICE	1-888-482-4950
WESTAR ENERGY	1-800-544-4857
- UTILITY SERVICE LINES, POLES, ETC. ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR OR UNLESS THE PLANS SPECIFICALLY IDENTIFY A UTILITY TO BE ADJUSTED BY ITS OWNER DURING CONSTRUCTION. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.
- 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, IN THE OPINION OF THE ENGINEER, THAT WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED. ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT. MATERIAL EITHER STOCKPILED OR DISPOSED OF IN A FLOOD PLAIN WILL 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.
- TREES AND SHRUBS IN PUBLIC RIGHT-OF-WAY WHICH ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH THE CITY ENGINEER'S APPROVAL. TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE.
- THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY ABUTTING THE CONSTRUCTION OF THIS PROJECT A MINIMUM OF TEN (10) DAYS NOTICE PRIOR TO START OF CONSTRUCTION.
- 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.
- THE ENGINEERING DIVISION SHALL FIELD LOCATE WATER VALVES ONE TIME DURING CONSTRUCTION WHEN REQUESTED BY THE CONTRACTOR. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PRESERVE SUCH FIELD LOCATIONS DURING THE CONSTRUCTION PROCESS. WATER VALVES, VALVE BOXES OR FIRE HYDRANTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY CONTRACTOR AT HIS OWN EXPENSE. VALVE BOXES AND WATER METERS WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO MATCH FIELD GRADES BY THE CONTRACTOR.
- IF TRAFFIC WILL BE IMPACTED BY CONSTRUCTION, A TRAFFIC CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY THE CITY TRAFFIC ENGINEER, BRIAN COON AT traffic@wichita.gov BEFORE CONSTRUCTION CAN BEGIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL MEASURES TO FACILITATE CONSTRUCTION. ALL CONSTRUCTION ZONE MARKINGS AND SIGNAGE SHALL CONFORM TO THE LATEST VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS PUBLISHED BY THE US DEPT. OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION. ALL COSTS ASSOCIATED WITH CONSTRUCTION MARKINGS AND SIGNAGE SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- ALL AREAS DISTURBED DURING CONSTRUCTION THAT WILL NOT BE UNDER PROPOSED PAVEMENT SHALL BE RESTORED TO MATCH EXISTING CONDITIONS UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL LIMIT THE EXTENT OF TRENCH OPEN OVERNIGHT AND WEEKENDS TO LESS THAN 50 FEET.
- EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS COMPANIES AND IS EITHER FROM COMPANY UTILITY DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED.
- A PORTION OF EXCESS EXCAVATED MATERIAL SHALL BE MOUNDED AROUND NEWLY CONSTRUCTED MANHOLES WHICH EXTEND MORE THAN ONE (1) FOOT ABOVE THE EXISTING GROUND. SUCH MOUND SHALL BE CONSTRUCTED WITH A SIX (6) FOOT DIAMETER FLAT TOP WITH 4 TO 1 SIDE SLOPES DOWN TO THE ORIGINAL GROUND. THE ELEVATION OF THE FLAT TOP OF THE MOUND SHALL BE 0.4 FOOT BELOW THE TOP OF THE MANHOLE.
- CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL MANHOLE COVERS.
- ALL TRAFFIC CONTROL DEVICES IN THE WORK ZONE (INCLUDING MARKINGS AND SIGNS) AND THEIR INSTALLATION AND MAINTENANCE SHALL COMPLY WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL TRAFFIC CONTROL DEVICES IN THE TRAVELED WAY OR CLEAR ZONE SHALL BE CRASHWORTHY (NCHRP REPORT 350 OR MASH COMPLIANT).
https://safety.fhwa.dot.gov/roadway_dept/countermeasures/reduce_crash_severity/
- ALL CONSTRUCTION EQUIPMENT, INCLUDING VEHICLES, MATERIALS, AND DEBRIS, SHALL BE STORED OUTSIDE OF THE CLEAR ZONE. WHERE THIS CANNOT BE ACHIEVED THE CONTRACTOR SHALL PLACE APPROPRIATE SIGNS, OBJECT IDENTIFIERS, AND/OR BARRICADES IN COMPLIANCE WITH MUTCD.
- EXCEPT WHEN REQUIRED FOR SAFETY, TRAFFIC CONTROL SHALL NOT BLOCK ANY LANES OR SIDEWALKS WHEN WORK IS NOT BEING PERFORMED.
- FOLLOW THE LINK BELOW FOR CONSTRUCTION DETAILS ON SPECIFIC CITY OF WICHITA STANDARD DETAILS:
<http://www.wichita.gov/PWU/Pages/Regulations.aspx>
- A GEOTECHNICAL ENGINEERING REPORT WAS PREPARED FOR THIS PROJECT. THE REPORT WAS PREPARED BY GSI ENGINEERING, GSI PROJECT NO. 1773122 DATE: JANUARY 6, 2016.

SUBGRADE SURFACE TABLE

	DISTANCE TO TOP OF SUBGRADE FROM FINAL SURFACE	
PAVEMENT (PARKING & DRIVES)	5" PAVEMENT & 5" BASE ROCK	10"
FIELD	6" BASE ROCK	6"

GRADING NOTES

- MKEC ENGINEERING, INC. HAS PREPARED THESE PLANS IN ACCORDANCE WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS.
- EXISTING TREES OUTSIDE THE NOTED LIMITS OF CONSTRUCTION SHALL BE OFF LIMITS TO ANY TYPE OF CONSTRUCTION ACTIVITY EXCEPT TO FINAL SEEDING OPERATIONS. TEMPORARY CONSTRUCTION FENCE SHALL BE ERECTED AROUND THESE SITES PRIOR TO THE START OF ANY CONSTRUCTION. WORK SHALL BE LIMITED AS MUCH AS POSSIBLE TO WITHIN THE LIMITS OF GRADING. USE SMALLER EQUIPMENT WHERE NECESSARY.
- A MIN. 6 INCH LAYER OF TOPSOIL SHALL BE STRIPPED IN ALL AREAS OF CUT AND FILL. THE CONTRACTOR SHALL STOCKPILE AND RE-SPREAD SUFFICIENT TOPSOIL ON ALL DISTURBED AREAS TO BE SODED, SEEDED, AND LANDSCAPED. STOCKPILE LOCATION SHALL BE APPROVED BY OWNER'S REPRESENTATIVE.
- 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.
- 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 & SURFACE MODELS ARE FOR GENERAL GRADING PURPOSES ONLY. NOT ALL SLOPES ARE CONSTANT AND THEREFORE THE GRADING PLANS SHALL BE REFERRED TO FOR FINAL GRADE SHAPING. THE GRADING SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO THE ADDITION OF THE TOPSOIL LAYER.
- THE SITE GRADING OPERATIONS, WHEN COMPLETED, SHALL RESULT IN ALL AREAS BEING GRADED TO "PLAN SUBGRADE ELEVATION". THIS "PLAN SUBGRADE ELEVATION" SHALL BE CONSISTENT WITH THE GEOTECHNICAL REPORT FOR BUILDING AND PAVEMENT AREAS. REFER TO SUBGRADE REFERENCE TABLE FOR THE "PLAN SUBGRADE ELEVATION" IN THE PARKING LOT AND FIELD AREAS. ALL NOTED SUBGRADE ELEVATIONS SHALL BE WITHIN A GRADE ELEVATION TOLERANCE OR 0.10', ON A 20' GRID. CONTRACTOR SHALL PROVIDE A CERTIFIED AS-BUILT SURVEY OF SUCH FOR EACH FIELD.
- ALL BERM FINAL GRADE SHAPING SHALL BE PERFORMED BY A TRACK DOZER.
- 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 ENVIRONMENT. MATERIAL EITHER STOCKPILED OR DISPOSED OF IN A 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 DISTURBED AREAS SHALL RECEIVE EITHER TEMPORARY OR PERMANENT SEEDING. SEE EROSION CONTROL/SEEDING NOTES.
- EXISTING UTILITY VAULTS, RISERS, ETC. SHALL BE ADJUSTED TO PROPOSED GRADES. WHERE IN CONFLICT. WHEN LOCATED IN SIDEWALK OR PAVEMENT AREAS, TOPS SHALL BE SET FLUSH WITH THE SIDEWALK OR PAVEMENT.

EROSION CONTROL/SEEDING NOTES

- EROSION CONTROL IS TO MEET ALL FEDERAL, STATE, COUNTY AND LOCAL CODE STANDARDS.
- TEMPORARY SEEDING: ALL AREAS DISTURBED WITH EXCEPTION OF PROPOSED STREET PAVEMENT SHALL BE SEEDED AND FERTILIZED AS FOLLOWS:
 - ANNUAL RYE @ 150 LBS./ACRE
 - 10-20-10 @ 150 LBS./ACRE
 - CERTIFIED CLEAN PRAIRIE GRASS MULCH @ 2 TONS/ACRE
- ALL AREAS SHALL BE FINE GRADED AND SURFACE SHALL BE FREE FROM STICKS, SMALL STONES, AND OTHER EXTRANEIOUS MATERIALS.
- CONTRACTOR SHALL PROVIDE EROSION PROTECTION THROUGHOUT PROJECT CONSTRUCTION. THE PLAN PROVIDED HERE IS FOR FINAL PROTECTION, VARIOUS PHASES OF THIS PLAN SHALL BE IMPLEMENTED OR MODIFIED TO CONTROL EROSION. MODIFICATIONS OF THE PLAN SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE.
- ALL SEED SHALL BE DISTRIBUTED WITH AN ACCEPTABLE DRILL INTENDED FOR SUCH OPERATIONS, OR OTHER EQUIPMENT APPROVED BY THE OWNER'S REPRESENTATIVE. SEEDING DEPTH SHALL BE 1/4 OF AN INCH.
- ALL SEEDED AREAS SHALL BE IMMEDIATELY MULCHED WITH PRAIRIE HAY AT 2 TONS/ACRE. ANCHOR MULCH BY CRIMPING INTO TOPSOIL WITH SUITABLE MECHANICAL EQUIPMENT.
- THE CONTRACTOR(S) ARE RESPONSIBLE FOR EROSION CONTROL IN CONFORMANCE WITH THE APPROVED DRAWINGS UNTIL PROJECT COMPLETION.

UTILITY NOTES

- UNLESS OTHERWISE NOTED ON THE PLANS, ALL CIVIL SITE CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF WICHITA STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- CONTRACTOR TO VERIFY DEPTH & LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- UNLESS OTHERWISE NOTED IN PROJECT SPECIFICATIONS PIPE MATERIALS SHALL BE AS FOLLOWS:
STORM SEWER AND RAIN LEADERS
 6" OR SMALLER -SCHEDULE 40 PVC
 15" OR SMALLER -ASTM D3034 SDR-35 PVC
 15" OR LARGER -CLASS III RCP (PAVEMENT)
- PAVEMENT REMOVAL MAY BE REQUIRED TO ACCOMMODATE UTILITY SERVICE INSTALLATION. PAVEMENT TO BE SAWCUT ITS ENTIRE DEPTH PRIOR TO REMOVAL. PAVEMENT AND ANY SUBGRADE REMOVAL SHALL BE REPLACED IN KIND SO AS TO MATCH EXISTING INSTALLATION.
- IN THE CASE OF CONCRETE PAVEMENT REMOVAL. IF REMOVAL IS WITHIN 3' OF AN EXISTING JOINT, THEN PAVEMENT SHALL BE REMOVED TO THE NEAREST JOINT. MATCH JOINT PATTERN OF EXISTING PAVEMENT. JOINTS SHALL BE SEALED.
- INSTALLATION, BEDDING, & TESTING OF UTILITY INSTALLATIONS SHALL BE AS PER CITY OF WICHITA STANDARD SPECIFICATIONS.
- UTILITY PIPE LENGTHS ARE PROVIDED FOR INFORMATION ONLY. CONTRACTOR TO VERIFY ACTUAL LENGTHS OF PIPE REQUIRED PRIOR TO BIDDING & INSTALLING UTILITY PIPE LINES.



GRADING & UTILITIES PLANS FOR
STRYKER SPORTS
 WICHITA, KANSAS



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GENERAL NOTES

PROJECT NO.	170567	
DATE	01-10-18	
SCALE	NTS	
DESIGNED	DRAWN	CHECKED
DFL	DFL	MAB
0	ISSUE FOR CONST.	01-10-18
NO.	REVISION	DATE

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