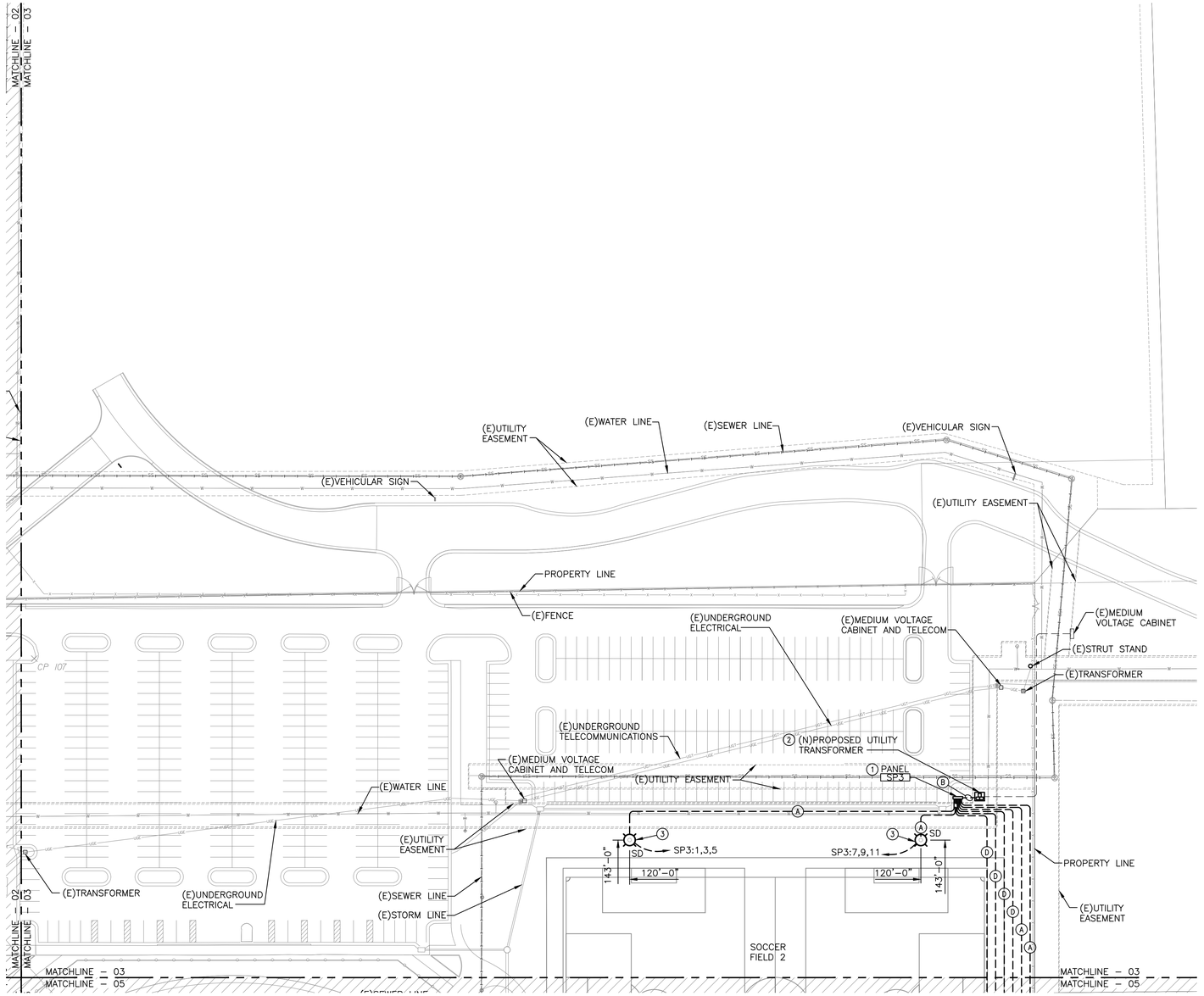
PLOTTED: Wednesday, April 25, 2018 @ 03:25PM



A ELECTRICAL SITE PLAN - AREA B

SCALE: 1" = 50'–0"

FIXTURE LEGEND

⌑	SPORTS LIGHTING

HATCH LEGEND

AREA NOT COVERED ON THIS SHEET.

GENERAL NOTES

1. EXISTING CONDITIONS SHOWN ON THE DRAWINGS WERE TAKEN FROM ORIGINAL DOCUMENTS AND FIELD OBSERVATIONS. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF EXISTING CONDITIONS. E.C. SHALL VISIT THE JOBSITE PRIOR TO BID AND VERIFY ALL EXISTING CONDITIONS.
2. UPON COMPLETION OF PROJECT, E.C. SHALL PROVIDE A FULL TYPED AND UPDATED PANEL DIRECTORY FOR EACH PANELBOARD AFFECTED BY THE SCOPE OF THIS PROJECT.
3. FEEDER ROUTING INDICATED ON THE DRAWINGS DOES NOT INDICATE NEC CODE REQUIRED PULL BOXES. E.C. SHALL BE RESPONSIBLE FOR LOCATING AND INSTALLING REQUIRED PULL BOXES FOR EACH FEEDER.
4. PROVIDE AND INSTALL 12"x12"x12" TIER 22 IN-GRADE OPEN BOTTOM QUAZITE BOX OR EQUAL ADJACENT TO ALL SPORTS LIGHTING POLES ON FIELDS 2-10. ROUTE CONDUCTORS THROUGH BOXES PRIOR TO ENTERING POLE BASE.

◯ KEYED NOTES

1. PROVIDE AND INSTALL PANEL, TRANSFORMER, AND LIGHTING CONTROL PANEL ON STRUT STAND. SEE DETAIL 5/06 FOR PANEL 'SP3' ONE-LINE DIAGRAM AND DETAIL 1/06 FOR STRUT STAND.
2. UTILITY TRANSFORMER AND PRIMARY CONDUCTORS PROVIDED BY WESTAR. E.C. SHALL INSTALL BASE FOR TRANSFORMER PER DETAIL 4/06. SEE ONE-LINE DIAGRAM FOR ADDITIONAL WORK DOWNSTREAM OF UTILITY TRANSFORMER.
3. PROVIDE AND INSTALL SPORTS LIGHTING BASE, POLE, FIXTURES, DRIVERS, ETC. PER SPECIFICATIONS.

◯ FEEDER SCHEDULE

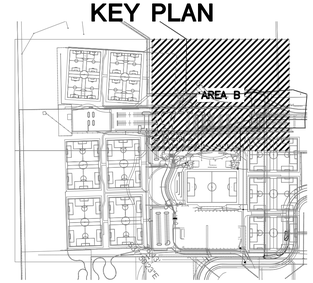
(A)	PROVIDE (3)–#10, (1)–#10 GND IN EXISTING 1" CONDUIT FOR SPORTS LIGHTING POWER.
(B)	PROVIDE (4)–3/0, (1)–#3 GND IN EACH OF (2) EXISTING 4" CONDUITS FOR POWER DISTRIBUTION.
(D)	PROVIDE (3)–#10, (1)–#10 GND IN EACH EXISTING 1" CONDUIT FOR SPORTS LIGHTING POWER. (2) CONDUITS PER POLE.

CONSTRUCTION SEQUENCE

THE CONTRACTOR SHALL COORDINATE ALL INSTALLATIONS WITH NATIONAL BUILDERS, MULTICON, MKEC, AND THE CITY TO ENSURE PROPER ACCESS TO ALL LOCATIONS IS PROVIDED AND OTHER TRADES ARE NOT AFFECTED BY THIS WORK. ANY DAMAGE TO THE TURF, SUBGRADE, DRAINAGE, UTILITIES, AND GRADING CAUSED DURING THE INSTALLATION OF THE SPORTS LIGHTING SHALL BE CORRECTED TO THE SATISFACTION OF MKEC AND THE CITY PRIOR TO COMPLETION OF THE PROJECT. REFERENCE ALL AVAILABLE GRADING DRAWINGS, GEOTECHNICAL REPORTS, AND CONSTRUCTION PACKAGES FOR ADDITIONAL INFORMATION THAT MAY AFFECT YOUR BID SUCH AS GRADE CHANGES, CONSTRUCTION SEQUENCE OF THE FIELDS, ERECTION OF THE INDOOR FACILITY AND STADIUM IMPROVEMENTS, ETC. THE CONTRACTOR SHALL SUBMIT IN WRITING WITH THEIR BID CONFIRMATION THAT THE INSTALLATION OF ALL SYSTEMS REQUIRED FOR A FULLY OPERATIONAL SPORTS LIGHTING PACKAGE FOR EACH FIELD CAN BE CONSTRUCTED WHILE MAINTAINING A 3'-0" CLEARANCE FROM THE EDGE OF ANY PLAYING FIELD. ANY CRANES USED SHALL BE A TRACK TYPE TO BETTER DISTRIBUTE THE WEIGHT OVER A LARGER AREA.

DRIVER REQUIREMENTS:
DRIVERS FOR ALL NEW SPORTS LIGHTING SHALL BE CAPABLE OF OPERATING WITHIN A VOLTAGE RANGE OF 347V–480V. IF DRIVERS ARE NOT CAPABLE OF OPERATING WITHIN THIS RANGE THE MANUFACTURER MUST INCLUDE IN THEIR BID PRICE ANY INCREASE IN CONDUCTOR SIZE TO DECREASE VOLTAGE DROP SO IT IS WITHIN THE RANGE OF THE PROVIDED DRIVER.

KEY PLAN



MKEC
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PHASE 5 - SPORTS FIELD LIGHTING

STRYKER SPORTS

WICHITA, KANSAS

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ELECTRICAL SITE PLAN - AREA B

PROJECT NO.	1701010567
DATE	04-25-18
SCALE	1"=50'-0"

DESIGNED	DRAWN	CHECKED
CNG	ECW	JRBW

NO.	REVISION	DATE
0	ISSUED FOR CONST.	04-25-18

SHEET NO.
03

J:\PROJECTS\2017\1701010567_CON_STRYKER_1701567 CAD\SHTS\10 BLDG MEP\SPORTS LIGHTING PACKAGE\1701567-08-0101-04 ELECTRICAL SPORTS LIGHTING PLAN.DWG