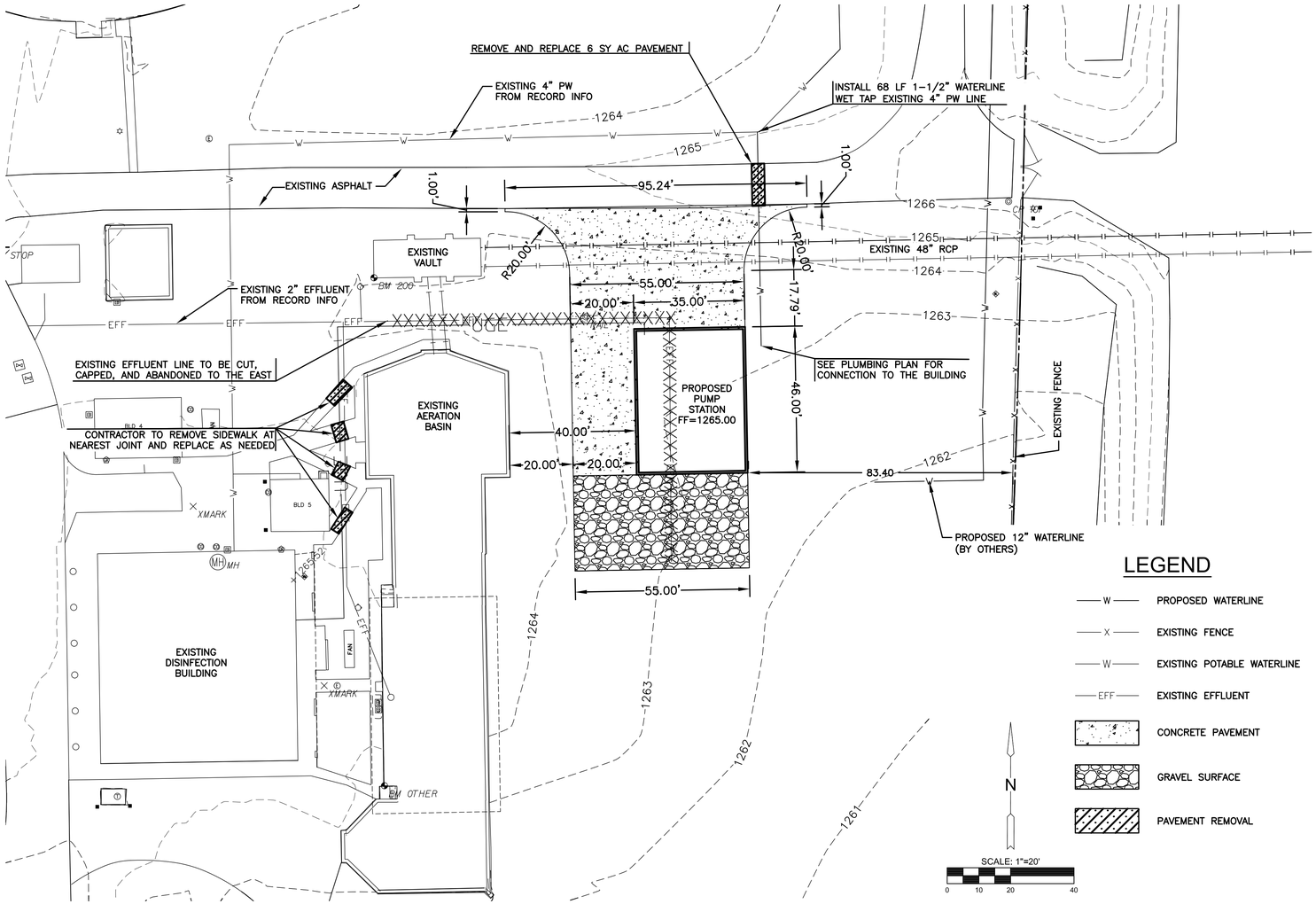

LEGEND

—— W ——	PROPOSED WATERLINE
—— X ——	EXISTING FENCE
—— W ——	EXISTING POTABLE WATERLINE
—— EFF ——	EXISTING EFFLUENT
	CONCRETE PAVEMENT
	GRAVEL SURFACE
	PAVEMENT REMOVAL

N

SCALE: 1"=20'

0 10 20 40

GENERAL NOTES

1. UNLESS SHOWN OR STATED OTHERWISE ON THESE DRAWINGS, MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF WICHITA STANDARD SPECIFICATIONS.
2. THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES AND TOPOGRAPHIC FEATURES PRIOR TO THE COMMENCEMENT OF SITE WORK. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF DISCREPANCIES OR VARIATIONS FROM THE PLANS.
3. ALL SPOT ELEVATIONS REPRESENT FINISHED SURFACE OR FLOWLINE GRADES UNLESS OTHERWISE NOTED.
4. ALL EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE. CONTACT "ONE CALL" (1-800-344-7233, LOCAL 687-2470) FOR UTILITY LOCATIONS, SEVENTY-TWO (72) HOURS PRIOR TO EXCAVATION.

AT&T (TELCOMMUNICATIONS)	316-268-2008
KANSAS GAS SERVICE(GAS)	316-831-5664
WESTAR ENERGY (ELECTRIC)	316-261-6320
COX COMMUNICATIONS (CABLE)	316-262-0661
CITY OF WICHITA WATER & SEWER	316-262-6000

5. BUILDING DIMENSIONS REFER TO THE OUTSIDE FACE OF BUILDING UNLESS OTHERWISE NOTED.
6. TRAFFIC CONTROL SIGNAGE (IF APPLICABLE) SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND CITY OF WICHITA STANDARDS. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES, WARNING SIGNS, LIGHTS AND FLAGMEN AS WARRANTED. COST SHALL BE SUBSIDIARY TO THE PROJECT.
7. THE CONTRACTOR SHALL ABIDE BY ALL OSHA, FEDERAL, STATE, AND LOCAL REGULATIONS WHEN OPERATING CRANES, BOOMS, HOISTS, ETC. IN CLOSE PROXIMITY TO OVERHEAD ELECTRIC LINES.
8. 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.
9. ALL EXISTING AND PROPOSED EROSION CONTROL MEASURES SHALL BE INSTALLED PER THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND INFORMATION PROVIDED IN THESE PLANS AND MAINTAINED THROUGHOUT CONSTRUCTION BY THE CONTRACTOR UNTIL THE PROJECT IS COMPLETED AND THE EROSION CONTROL MEASURES ARE NO LONGER NEEDED. THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH MAINTENANCE AND/OR REPLACEMENT OF EROSION CONTROL MEASURES AS DETERMINED BY THE ENGINEER UNTIL PROJECT IS ACCEPTED OR THE EROSION CONTROL MEASURES ARE NO LONGER NEEDED. COST SHALL BE SUBSIDIARY TO THE PROJECT.
10. THE CONTRACTOR SHALL SUBMIT PROPOSED SEQUENCE OF CONSTRUCTION TO OWNER REPRESENTATIVE FOR APPROVAL BEFORE BEGINNING CONSTRUCTION.
11. COST OF EXCAVATION, HAULING, AND DUMPING OF EXCESS EXCAVATION SHALL BE SUBSIDIARY TO THE PROJECT.
12. ALL EXISTING UTILITIES AND SERVICE LINES SHALL BE KEPT IN SERVICE AT ALL TIMES DURING CONSTRUCTION OF THIS PROJECT, UNLESS OTHERWISE AUTHORIZED BY THE OWNER'S REPRESENTATIVE.
13. THE CONTRACTOR SHALL PAY ALL PERMIT & OTHER ASSOCIATED FEES REQUIRED BY LOCAL, STATE, & FEDERAL AGENCIES.

GRADING NOTES

1. MKEC ENGINEERING, INC. HAS PREPARED THESE PLANS IN ACCORDANCE WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS.
2. A MIN. 6 INCH LAYER OF TOPSOIL SHALL BE STRIPPED IN ALL AREAS OF CUT AND FILL. THE CONTRACTOR SHALL STOCKPILE AND RE-SPREAD TOPSOIL PER GRADING PLAN ON ALL DISTURBED AREAS TO BE SODDED, SEEDED, AND LANDSCAPED. STOCKPILE LOCATION SHALL BE APPROVED BY OWNER'S REPRESENTATIVE.
3. 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.
4. 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 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
5. 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. THE "PLAN SUBGRADE ELEVATION" IN THE PAVED AREAS SHALL BE DETERMINED BY CHECKING THE PAVEMENT SECTION DETAILS AND REFERRING TO PAVING PLAN FOR LOCATIONS AND LIMITS OF VARIOUS PAVEMENT SECTIONS.
6. RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES OR PAVEMENT REMOVAL WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE AS TO SUITABILITY, APPEARANCE AND SITE LOCATION. LOCATIONS THAT, IN THE OPINION OF THE OWNER'S REPRESENTATIVE, 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.
7. CONTRACTOR SHALL STOCKPILE EXCESS EXCAVATION ONSITE AT A LOCATION TO BE DETERMINED BY THE CITY.
8. ALL DISTURBED AREAS TO RECEIVE SEEDING. SEE EROSION CONTROL/SEEDING NOTES.

EROSION CONTROL/SEEDING NOTES

1. EROSION CONTROL IS TO MEET ALL FEDERAL, STATE, COUNTY AND LOCAL CODE STANDARDS.
2. CONTRACTOR SHALL COMPLETE STABILIZATION WHEN SOIL DISTURBING ACTIVITIES CEASE TEMPORARILY AND WILL NOT RESUME FOR 14 DAYS OR MORE.
3. SEEDING: ALL AREAS DISTURBED WITH EXCEPTION OF PROPOSED STREET PAVEMENT SHALL BE SEEDED (COST SUBSIDIARY TO PROJECT) AND FERTILIZED AS FOLLOWS:
   - ANNUAL RYE @ 150 LBS./ACRE
   - 10-20-10 @ 150 LBS./ACRE
4. ALL AREAS SHALL BE FINE GRADED AND SURFACE SHALL BE FREE FROM STICKS, SMALL STONES, AND OTHER EXTRANEOUS MATERIALS.
5. 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.
6. 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.
7. ALL SEEDED AREAS SHALL BE IMMEDIATELY MULCHED WITH PRAIRIE HAY AT 2 TONS/ACRE. ANCHOR MULCH BY CRIMPING INTO TOPSOIL WITH SUITABLE MECHANICAL EQUIPMENT.
8. THE CONTRACTOR(S) ARE RESPONSIBLE FOR EROSION CONTROL IN CONFORMATION WITH THE APPROVED DRAWINGS UNTIL PROJECT COMPLETION.

PAVING NOTES

1. REFER TO PAVING PLAN & DIMENSIONING PLAN FOR CURRENT HORIZONTAL DIMENSIONS AND LAYOUT.
2. CONTRACTOR SHALL SUBMIT JOINTING PLAN TO ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
3. IN GENERAL, JOINT SPACING SHALL NOT EXCEED 24 TIMES THE CONCRETE THICKNESS AND NOT GREATER THAN 15'.

UTILITY NOTES

1. UNLESS OTHERWISE NOTED ON THE PLANS, ALL CIVIL SITE CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF WICHITA STANDARD SPECIFICATIONS FOR CONSTRUCTION.
2. CONTRACTOR TO VERIFY DEPTH & LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
3. UNLESS OTHERWISE NOTED IN PROJECT SPECIFICATIONS PIPE MATERIALS SHALL BE AS FOLLOWS:
   WATER LINE
   2-1/2" OR SMALLER -ASTM D2241 SDR26
   3" OR LARGER -C900 OR C905 PVC
   NOTE: 4" OR LARGER WATERLINE MAY BE DUCTILE IRON PIPE IN ACCORDANCE WITH CITY OF WICHITA STANDARD SPECIFICATIONS.
4. 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.
5. 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.
6. INSTALLATION, BEDDING, & TESTING OF UTILITY INSTALLATIONS SHALL BE AS PER CITY OF WICHITA STANDARD SPECIFICATIONS.
7. UTILITY PIPE LENGTHS ARE PROVIDED FOR INFORMATION ONLY. CONTRACTOR TO VERIFY ACTUAL LENGTHS OF PIPE REQUIRED PRIOR TO BIDDING & INSTALLING UTILITY PIPE LINES.
8. UTILITY CONTRACTOR TO COORDINATE BUILDING CONNECTION POINTS WITH PLUMBING PLAN AND BUILDING CONTRACTOR.
9. CONTRACTOR IS RESPONSIBLE FOR DETERMINING ALL NECESSARY PIPE FITTINGS NEEDED FOR DOMESTIC WATER SERVICE LINES TO THE BUILDINGS.

TRENCH BACKFILL

1. SAND, FLUSH & VIBRATE SHALL BE USED FOR ALL TRENCHES UNDER VEHICULAR PAVEMENT.

BRYCE L. BARKUS LICENSED 19755 KANSAS PROFESSIONAL ENGINEER 4-19-16

MKEC
Wichita, KS • 316-684-9600

RE-USE WATER PUMP STATION

CITY OF WICHITA, KANSAS

TO SERVE SPIRIT AEROSYSTEMS

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SITE PLAN

PROJECT NO.	468-85112
DATE	04/18/16
SCALE	1"=20'

DESIGNED	DRAWN	CHECKED
BLB	MCW	MAB

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	04/18/16

SHEET NO.

C1.0

PLOTTED: Thursday, April 21, 2016 @ 03:58PM
J:\PROJECTS\2015\1501010023_COV_REUSE_WATER_SUPPLY_SYSTEM_150623 CAD\SHITS\03 CIVIL\SITE\150632_SITE PLAN.DWG