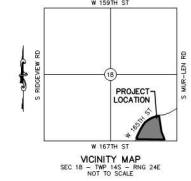


PRAIRIE CREEK ELEMENTARY SCHOOL DEVELOPMENT PLAN **17077 W 165TH STREET, OLATHE, KS 66062** **SECTION 18, TOWNSHIP 14 SOUTH, RANGE 24 EAST**



PREPARED FOR:
 SPRING HILL SCHOOL DISTRICT - USD 230
 17640 W 199TH STREET
 SPRING HILL, KANSAS 66083
 PHONE: (913) 592-7200
 CONTACT: MARY WILLIAMS
 EMAIL: mwilliams@shsd230.org

PREPARED BY:
 KAW VALLEY ENGINEERING, INC.
 14700 WEST 114TH TERRACE
 LENEXA, KANSAS 66215
 PHONE: (913) 894-5150
 CONTACT: GARY LEEDS
 EMAIL: leeds@kve-eng.com

DESCRIPTION: (KANSAS WARRANTY DEED, BOOK 200503 AT PAGE 00067)
 LOT 1, SPRING HILL ELEMENTARY SCHOOL, JOHNSON COUNTY, KANSAS.

- SITE DATA:**
- EXISTING ZONING: R-1 (SINGLE-FAMILY DISTRICT)
 NO CHANGE IN ZONING IS PROPOSED
 A. SETBACK: FRONTAGE 30' BL PER PLAT ALONG W 165TH ST.
 B. MAX HEIGHT: 75' (NON-RESIDENTIAL)
 C. PARKING SETBACK: 30' (NO NEW STALL PROPOSED)
 - TOTAL LAND AREA:
 TOTAL AREA: 652,435 SQUARE FEET OR 13.83 AC
 IMPERVIOUS AREA:
 EXISTING IMPERVIOUS: 236,670 SF OR 5.43 AC, 36% SITE COVERAGE
 PROPOSED IMPERVIOUS: 237,546 SF OR 5.45 AC, 36% SITE COVERAGE
 INCREASE: 876 SF OR 0.02 AC
 - PARKING: NO PROPOSED CHANGE TO PARKING
 EXISTING: 201 STALLS
 EXISTING ADA: 6 STALLS
 REQUIRED SPACES PROPOSED ADDITION - 76,996 SF/1 SPACE/1000 SF - 77 + 61
 STAFF/1 SPACE PER STAFF = 138 STALLS TOTAL
 - LAND USE: ELEMENTARY SCHOOL, IS PERMITTED BY RIGHT IN ZONE R-1, GENERAL
 - GROSS FLOOR AREA:
 EXISTING BUILDING: 71,221 SF
 PROPOSED ADDITION: 5,778 SF (7% INCREASE)
 - BUILDING FLOOR AREA RATIO:
 EXISTING BUILDING: 71,221 SF, FAR-11.82%
 BUILDING WITH ADDITION: 76,999 SF, FAR-12.78%
 - EXISTING PARKING LOT AND BUILDING LIGHTING WILL REMAIN.

HORIZONTAL AND VERTICAL DATUM:
 SALES CONTRACTOR NOTED THE COORDINATES SHOWN HEREON ARE GROUND COORDINATES
 BASED ON THE KANSAS STATE PLANE, NORTH ZONE (NAD 1983 (NAD83) (NAD 1983, 1997)
 CAP: 0.00002823
 1 METRE = 3.93700957 U.S. SURVEY FEET
 GROUND COORDINATES X COMBINED ADJUSTMENT FACTOR (CAF) = GRID COORDINATES
 SCALED AROUND 0.0

UTM 10ST (HORIZONTAL):
 NORTHING: 22503.47 (GROUND U.S. SURVEY FEET) 22503.983 (GROUND U.S. SURVEY FEET)
 EASTING: 22570.36 (GROUND U.S. SURVEY FEET) 22570.228 (GROUND U.S. SURVEY FEET)

BM-568 (VERTICAL):
 ELEV = 968.24 (U.S. SURVEY FEET) NORTHING: 24438 (GROUND U.S. SURVEY FEET)
 EASTING: 220029 (GROUND U.S. SURVEY FEET)
 ELEV = 968.30 (U.S. SURVEY FEET)

LEGEND:

- BENCHMARK
- CONTROL POINT
- LIGHT POLE
- PULL BOX
- WATER LINE
- WATER LINE GATE VALVE
- FIRE HYDRANT
- SPRINKLER CONTROL BOX
- STORM SEWER MANHOLE
- SANITARY SEWER CLEAN OUT
- DOWN SPOUT
- ROOF DRAIN
- HOPE HIGH DENSITY POLYETHYLENE
- REINFORCED CONCRETE PIPE
- POLYVINYL CHLORIDE PIPE
- STREET/TRAFFIC SIGN
- PARKING STALL COUNT
- EXISTING GRADE 5' CONTOUR
- EXISTING GRADE 1' CONTOUR
- FRESH FLOOR ELEVATION
- DOOR ELEVATION
- BUILDING HEIGHT/ELEVATION
- SCHEDULE B BENTHIER
- DECIDUOUS TREE
- CONIFEROUS TREE
- BUSH
- LANDSCAPING AREA
- WALL MOUNTED CAMERA
- WALL MOUNTED LIGHT
- SOIL BORING LOCATION

PROJECT BENCH MARKS:

BM-221
 CIRCLED SQUARE ON THE TOP EAST SIDE OF CONCRETE LIGHT POLE BASE
 NUMBERED 13 IN THE CENTER OF THE SOUTHWEST PARKING LOT OF PRAIRIE CREEK
 ELEV = 1074.08

BM-225
 CIRCLED SQUARE IN THE CENTER FRONT FACE OF A CURB ISLET ON THE SOUTH
 SIDE OF ACCESS DRIVE, SOUTH WEST OF PRAIRIE CREEK ELEMENTARY
 ELEV = 1067.47

PROJECT CONTROL:

CP-#003
 1/2"X4" REBAR W/ CONTROL POINT CAP
 NORTHING: 15587.45 (GROUND)
 EASTING: 22580.53 (GROUND)
 ELEV = 1071.22

CP-#004
 1/2"X4" REBAR W/ CONTROL POINT CAP
 NORTHING: 15670.86 (GROUND)
 EASTING: 22587.13 (GROUND)
 ELEV = 1068.37

SAFETY NOTICE TO CONTRACTOR
 IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES,
 THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR
 CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND
 PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL
 APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

WARRANTY / DISCLAIMER
 THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH
 ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS
 AND USES INTENDED BY THE OWNER AT THIS TIME. HOWEVER, NEITHER KAW
 VALLEY ENGINEERING, INC NOR ITS PERSONNEL CAN OR DO, WARRANTY
 THESE DESIGNS OR PLANS AS CONSTRUCTED, EXCEPT IN THE SPECIFIC
 CASES WHERE KAW VALLEY ENGINEERING PERSONNEL INSPECT AND CONTROL
 THE PHYSICAL CONSTRUCTION ON A CONTINUING BASIS AT THE SITE.

CAUTION - NOTICE TO CONTRACTOR
 THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION
 AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS
 BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE
 POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS
 NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE
 CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST
 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION
 OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO
 RELOCATE ALL EXISTING UTILITIES, WHICH CONFLICT WITH PROPOSED
 IMPROVEMENTS SHOWN ON THESE PLANS.
 THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AT LOCATIONS OF
 POSSIBLE CONFLICTS PRIOR TO ANY CONSTRUCTION.

PROJ. NO. 225-2376 20% BOW
 DATE: 03/20/2025

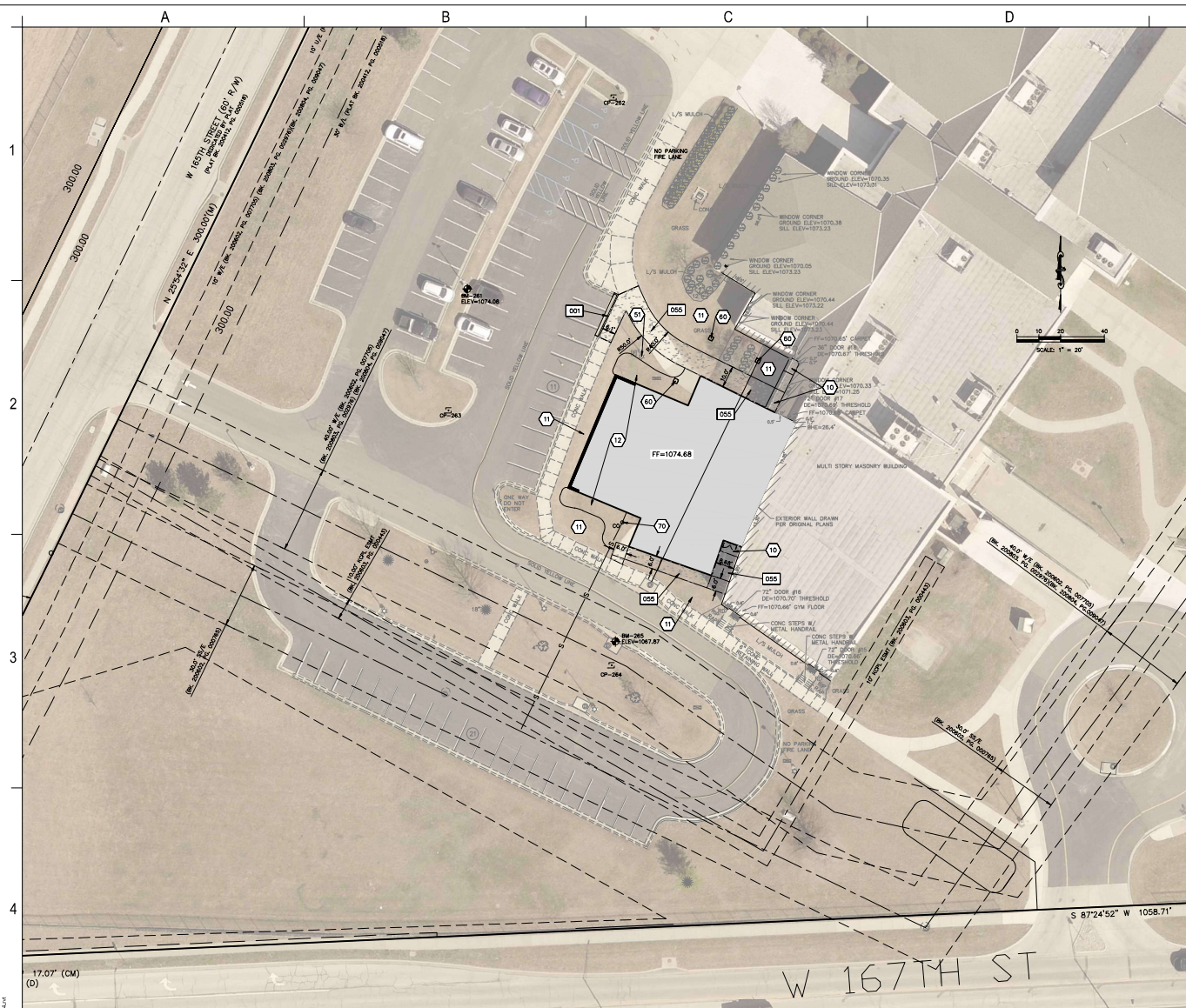
KAW VALLEY ENGINEERING
 14700 WEST 114TH TERRACE
 LENEXA, KANSAS 66215
 PH. (913) 894-5150 / FAX (913) 894-5977
 www.kve-eng.com

KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER
 ENGINEERING SERVICES BY KANSAS STATE CERTIFICATE OF
 AUTHORIZATION # E-113. EXPIRES 12/31/28

- CONSTRUCTION NOTES:**
- COORDINATE START-UP AND ALL CONSTRUCTION ACTIVITIES WITH THE CONSTRUCTION MANAGER.
 - CONSTRUCTION METHODS AND MATERIALS NOT SPECIFIED IN THESE PLANS OR IN THE PROJECT MANUAL, ARE TO MEET OR EXCEED THE KANSAS CITY METROPOLITAN CHAPTER OF A.P.W.A. STANDARD SPECIFICATIONS AS ADOPTED AND AMENDED BY THE CITY OF KANSAS CITY, MISSOURI.
 - ALL CONSTRUCTION WORK AND PUBLIC UTILITY WORK ON OR OUTSIDE OF PROPERTY BOUNDARIES SHALL BE PERFORMED IN COOPERATION WITH AND IN ACCORDANCE WITH REGULATIONS OF THE AUTHORITIES CONCERNED.
 - PUBLIC CONVENIENCE AND SAFETY: THE CONTRACTOR SHALL CONDUCT THE WORK IN A MANNER THAT WILL INSURE, AS FAR AS PRACTICABLE, THE LEAST OBSTRUCTION TO TRAFFIC, AND SHALL PROVIDE FOR THE CONVENIENCE AND SAFETY OF THE GENERAL PUBLIC AND RESIDENTS ALONG AND ADJACENT TO PUBLIC RIGHT-OF-WAYS IN THE CONSTRUCTION AREA.

- NOTE:**
- CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRANCE, SLOPED BUILDING PORCHES, PORCHES, PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
 - THESE PLANS HAVE NOT BEEN VERIFIED WITH FINAL ARCHITECTURAL CONTRACT DRAWINGS. CONTRACTOR SHALL VERIFY AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES. CONTRACTOR IS FULLY RESPONSIBLE FOR REVIEW AND COORDINATION OF ALL DRAWINGS AND CONTRACTOR DOCUMENTS.
 - ALL DIMENSIONS ARE TO BACK OF CURB UNLESS NOTED OTHERWISE.
 - ALL DIMENSIONS ARE PERPENDICULAR TO PROPERTY LINE.
 - ACTUAL SIGN LOCATIONS TO BE COORDINATED WITH CONSTRUCTION MANAGER.

Autodesk Docs 17-07-15-01 1707 West 167th Street Elementary School Addition 12/21/15 12:21 PM User: kva_000141
1707 WEST 167TH STREET
CLASSROOM ADDITION



SAFETY NOTICE TO CONTRACTOR
IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

WARRANTY / DISCLAIMER
THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS AND USES INTENDED BY THE OWNER AT THIS TIME. HOWEVER, NEITHER KAW VALLEY ENGINEERING, INC. NOR ITS PERSONNEL, CAN OR DO, WARRANT THESE DESIGNS OR PLANS AS CONSTRUCTED, EXCEPT IN THE SPECIFIC CASES WHERE KAW VALLEY ENGINEERING PERSONNEL INSPECT AND CONTROL THE PHYSICAL CONSTRUCTION ON A CONTEMPORARY BASIS AT THE SITE.

CAUTION - NOTICE TO CONTRACTOR
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AT LOCATIONS OF POSSIBLE CONFLICTS PRIOR TO ANY CONSTRUCTION.

NOTE:
1. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRANCE, SLOPED BUILDING PAVING, PORCHES, PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
2. THESE PLANS HAVE NOT BEEN VERIFIED WITH FINAL ARCHITECTURAL CONTRACT DRAWINGS. CONTRACTOR SHALL VERIFY AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES. CONTRACTOR IS FULLY RESPONSIBLE FOR REVIEW AND COORDINATION OF ALL DRAWINGS AND CONTRACTOR DOCUMENTS.
3. ALL DIMENSIONS ARE TO BACK OF CURB UNLESS NOTED OTHERWISE.
4. ALL DIMENSIONS ARE PERPENDICULAR TO PROPERTY LINE.
5. ACTUAL SIGN LOCATIONS TO BE COORDINATED WITH CONSTRUCTION MANAGER.

CONSTRUCTION NOTES:
1. COORDINATE START-UP AND ALL CONSTRUCTION ACTIVITIES WITH THE CONSTRUCTION MANAGER.
2. CONSTRUCTION METHODS AND MATERIALS NOT SPECIFIED IN THESE PLANS OR IN THE PROJECT MANUAL, ARE TO MEET OR EXCEED THE KANSAS CITY METROPOLITAN CHAPTER OF A.P.M.A. STANDARD SPECIFICATIONS AS ADOPTED AND AMENDED BY THE CITY OF KANSAS CITY, MISSOURI.
3. ALL CONSTRUCTION WORK AND PUBLIC UTILITY WORK ON OR OUTSIDE OF PROPERTY BOUNDARIES SHALL BE PERFORMED IN COOPERATION WITH AND IN ACCORDANCE WITH REGULATIONS OF THE AUTHORITIES CONCERNED.
4. PUBLIC CONVENIENCE AND SAFETY: THE CONTRACTOR SHALL CONDUCT THE WORK IN A MANNER THAT WILL MINIMIZE, AS FAR AS PRACTICABLE, THE LEAST OBSTRUCTION TO TRAFFIC, AND SHALL PROVIDE FOR THE CONVENIENCE AND SAFETY OF THE GENERAL PUBLIC AND RESIDENTS ALONG AND ADJACENT TO PUBLIC RIGHT-OF-WAYS IN THE CONSTRUCTION AREA.

HORIZONTAL AND VERTICAL DATUM:
UNLESS OTHERWISE NOTED THE COORDINATES SHOWN HEREON ARE GROUND COORDINATES BASED ON THE KANSAS STATE PLANE, NORTH ZONE (NAD 1983 (HARN)) (NAD 1983, 1997) CMT 5, 59959873
1 METER = 3.2808333 U.S. SURVEY FEET
GROUND COORDINATES X COMBINED ADJUSTMENT FACTOR (CAF) = GRID COORDINATES SCALED AROUND 0.0

JOHN JAMES LANDSCAPE
NORTHING: 23250.47 (GRID/U.S. SURVEY FEET) 23259.883 (GROUND/U.S. SURVEY FEET)
EASTING: 2271761.38 (GRID/U.S. SURVEY FEET) 2271922.728 (GROUND/U.S. SURVEY FEET)
ELEV = 848.28 (U.S. SURVEY FEET)

BM-598 (ORIGINAL)
NORTHING: 23250.47 (GRID/U.S. SURVEY FEET) 23259.883 (GROUND/U.S. SURVEY FEET)
EASTING: 2271761.38 (GRID/U.S. SURVEY FEET) 2271922.728 (GROUND/U.S. SURVEY FEET)
ELEV = 848.28 (U.S. SURVEY FEET)

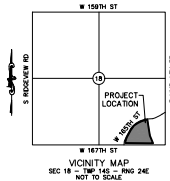
PROJECT BENCH MARKS:
BM-261
CHISELED SQUARE ON THE TOP, EAST SIDE OF CONCRETE LIGHT POLE BASE
NUMBERED 13 IN THE CENTER OF THE SOUTHWEST PARKING LOT OF PRAIRIE CREEK ELEMENTARY.
ELEV = 1074.08

BM-265
CHISELED SQUARE IN THE CENTER FRONT FACE OF A CURB INLET ON THE SOUTH SIDE OF ACCESS DRIVE, SOUTH WEST OF PRAIRIE CREEK ELEMENTARY.
ELEV = 1067.87

PROJECT CONTROL:
CP-260A
1/2"x2" REBAR W/ CONTROL POINT CAP
NORTHING: 198022.48 (GROUND)
EASTING: 2228767.97 (GROUND)
ELEV = 1069.82

CP-260B
1/2"x2" REBAR W/ CONTROL POINT CAP
NORTHING: 198071.48 (GROUND)
EASTING: 2228806.83 (GROUND)
ELEV = 1071.22

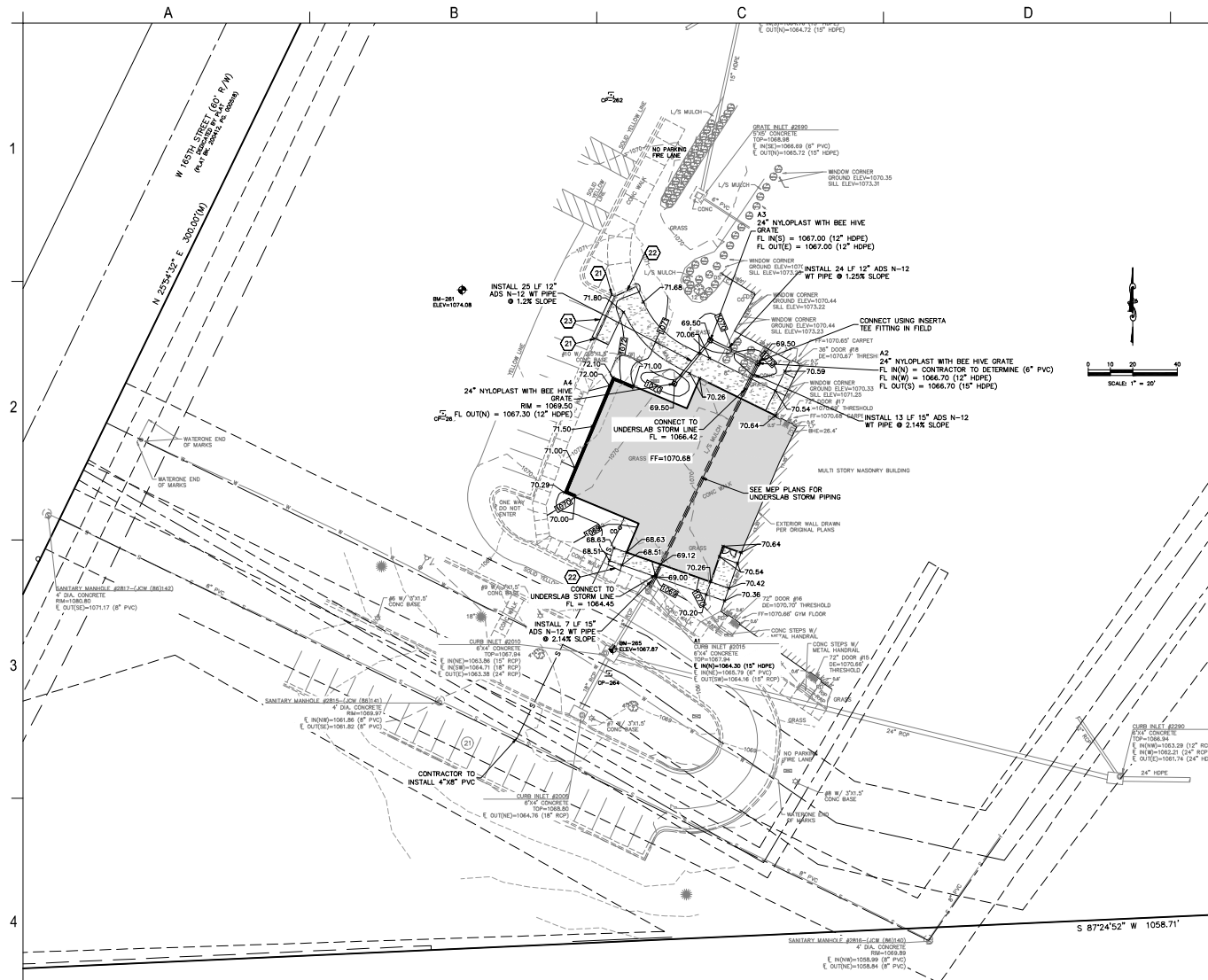
CP-260C
1/2"x2" REBAR W/ CONTROL POINT CAP
NORTHING: 198071.48 (GROUND)
EASTING: 2228767.97 (GROUND)
ELEV = 1068.37



- LEGEND:**
- BENCHMARK
 - △ CONTROL POINT
 - LIGHT POLE
 - PULL BOX
 - WATER LINE
 - WATER LINE GATE VALVE
 - ▽ FPE HYDRANT
 - SPRINKLER CONTROL BOX
 - STORM SEWER MANHOLE
 - SANITARY SEWER CLEAN OUT
 - DOWN SPOUT
 - ROOF DRAIN
 - HDPE HIGH DENSITY POLYETHYLENE
 - RPD REINFORCED CONCRETE PIPE
 - PVC POLYVINYL CHLORIDE PIPE
 - STREET/TRAFFIC SIGN
 - PARKING STALL COAT
 - EXISTING GRADE 1' CONTOUR
 - EXISTING GRADE 5' CONTOUR
 - FF FINISH FLOOR ELEVATION
 - DE DOOR ELEVATION
 - BHE BUILDING HEIGHT/ELEVATION
 - SCHEDULE 8 SENTINEL
 - DECIDUOUS TREE
 - CONIFEROUS TREE
 - BUSH
 - LVS LANDSCAPING AREA
 - WALL MOUNTED CAMERA
 - WALL MOUNTED LIGHT
 - SOL BORING LOCATION
- DETAILS - SEE DETAIL SHEETS C190 FOR THE FOLLOWING DETAILS:**
055 CONCRETE SIDEWALK
- NOTES:**
10 DOOR STOOP (SEE ARCHITECTURAL PLANS)
11 TURFED AREA (SEE LANDSCAPE PLAN)
12 LANDSCAPE BED (SEE LANDSCAPE PLAN)
51 SITE LIGHTING
60 STORM STRUCTURES (SEE SHEET C500)
70 SANITARY SEWER APPURTENANCES (SEE SHEET C500)

PROJ. NO. C25-2376 DATE: 05/04/15
CIN: 12/23/2015
14700 WEST 114TH TERRACE
LENEXA, KANSAS 66151
PH: (913) 884-2150 / FAX: (913) 884-5877
WWW.KAW-VALLEY-ENGINEERING.COM

KAW VALLEY ENGINEERING
KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY KANSAS STATE CERTIFICATE OF AUTHORIZATION # C-113. EXPIRES 12/31/26



HORIZONTAL AND VERTICAL DATUM:
UNLESS OTHERWISE NOTED THE COORDINATES SHOWN HEREON ARE GRID COORDINATES BASED ON THE KANSAS STATE PLANE, NORTH ZONE (NAD 1983 DATUM) (NAD 1983, 1987) CAP: 0.99999973
1 METER = 3.28083333 U.S. SURVEY FEET
GRID COORDINATES X COMBINED ADJUSTMENT FACTOR (CAF) = GRID COORDINATES
ROUND AROUND .05

KNV 1067 (HORIZONTAL)
NORTHING: 22303.47 (GROUND/U.S. SURVEY FEET) 22303.683 (GROUND/U.S. SURVEY FEET)
EASTING: 22776.36 (GROUND/U.S. SURVEY FEET) 22762.728 (GROUND/U.S. SURVEY FEET)
ELEV = 948.28 (U.S. SURVEY FEET)
ELEV = 948.28 (U.S. SURVEY FEET)

BL-261 (VERTICAL)
NORTHING: 14413.36 (GROUND/U.S. SURVEY FEET)
EASTING: 22501.29 (GROUND/U.S. SURVEY FEET)
ELEV = 946.30 (U.S. SURVEY FEET)
ELEV = 946.30 (U.S. SURVEY FEET)



PROJECT BENCH MARKS:
BL-261
CORNER SQUARE ON THE TOP EAST SIDE OF CONCRETE LIGHT POLE BASE
NUMBERED 13 IN THE CENTER OF THE SOUTHWEST PARKING LOT OF PRAIRIE CREEK ELEMENTARY.
ELEV = 1074.08

BL-262
CORNER SQUARE IN THE CENTER FRONT FACE OF A CURB ALLEY ON THE SOUTH SIDE OF ACCESS DRIVE, SOUTH WEST OF PRAIRIE CREEK ELEMENTARY.
ELEV = 1074.87

PROJECT CONTROL:
CP-261 REBAR W/ CONTROL POINT CAP
NORTHING: 19622.46 (GROUND) 19622.46 (GROUND)
EASTING: 22857.51 (GROUND) 22857.51 (GROUND)
ELEV = 1068.63

CP-262 REBAR W/ CONTROL POINT CAP
NORTHING: 19622.46 (GROUND) 19622.46 (GROUND)
EASTING: 22857.51 (GROUND) 22857.51 (GROUND)
ELEV = 1068.63

- GRADING NOTES:**
1. THE CONSTRUCTION AREA SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL AND ORGANIC MATTER FROM ALL AREAS TO BE OCCUPIED BY BUILDING AND PAVING. TOPSOIL FOR REPLACEMENT ON SLOPES MAY BE STOCKPILED ON SITE. EXCESS TOPSOIL MAY BE WASTED IN FILL SLOPES PROVIDED THAT NO TOPSOIL WILL BE WASTED WITHIN 10 FEET OF THE EDGE OF BUILDING OR PAVING AREA. STRIPPING EXISTING TOPSOIL AND ORGANIC MATTER SHALL BE TO A MINIMUM DEPTH OF 6 INCHES. CONSTRUCTION MANAGER SHALL DESIGNATE LOCATION OF STOCKPILE AREAS DURING CONSTRUCTION. ANY UNAUTHORIZED STOCKPILE SHALL BE REMOVED/RELOCATED AT THE CONTRACTOR'S EXPENSE.
 2. AREAS TO RECEIVE FILL SHALL BE SCARIFIED AND THE TOP 12-INCH DEPTH COMPACTED TO 90% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 698 WITH A MOISTURE CONTENT OF -2% TO 3% OF OPTIMUM FOR SOLS WITH A LIQUID LIMIT OF LESS THAN 40 AND 0 TO +4% FOR SOLS WITH A LIQUID LIMIT GREATER THAN 45. GRANULAR MATERIALS WITH +10% FINES SHALL BE COMPACTED AT A MOISTURE CONTENT OF -3 TO 3% OF OPTIMUM. ANY UNSUITABLE AREAS SHALL BE UNDERCUT AND REPLACED WITH SUITABLE MATERIAL BEFORE ANY FILL MATERIAL CAN BE APPLIED.
 3. OFF-SITE COHESIVE SOIL MATERIAL FOR USE UNDER BUILDING AND PAVED AREAS SHALL HAVE A PLASTICITY INDEX OF 25 OR LESS, A LIQUID LIMIT OF 45 OR LESS AND CONTAIN NO ROCK LARGER THAN THREE INCHES. OFF-SITE FILL MATERIAL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER AND OWNER'S TESTING AGENCY PRIOR TO BRINGING ON SITE.
 4. EARTHWORK UNDER THE BUILDING, PAVING AND LIGHTLY LOADED STRUCTURAL FEATURES SHALL COMPLY WITH THE CONTRACT DOCUMENTS. THE BUILDING PAD SHALL BE ELEVATED AS REQUIRED TO ALLOW THE PLACEMENT OF LOW VOLUME CHANGE MATERIAL. REFER TO STRUCTURAL PLANS FOR PREPARING THE BUILDING PAD AND LOW VOLUME CHANGE THICKNESS REQUIREMENTS. OTHER FILL MATERIAL SHALL BE MADE IN LIFTS NOT TO EXCEED EIGHT INCHES DEPTH COMPACTED TO 90% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 698. FILL SHOULD BE BENCHED IN ANY SLOPE AREAS GREATER THAN ONE VERTICAL TO FIVE HORIZONTAL TO MAINTAIN HORIZONTAL LIFTS. THE BENCHING SHALL BE PLACED AT NOT LESS THAN 12-INCH RISE OVER THOSE AREAS. LVC SOLS SHALL BE COMPACTED AT A MOISTURE CONTENT OF 0 TO +4% OF OPTIMUM FOR SOLS WITH A LIQUID LIMIT GREATER THAN 45 AND -2% TO +2% OF OPTIMUM FOR SOLS WITH A LIQUID LIMIT LESS THAN 45. GRANULAR MATERIALS WITH +10% FINES SHALL BE COMPACTED AT A MOISTURE CONTENT OF -3 TO 3% OF OPTIMUM. NO ROCK LARGER THAN THREE INCHES IN ANY DIMENSION NOR ANY SHALE SHALL BE PLACED IN THE TOP 24 INCHES OF EXHIBITION.
 5. AREAS ARE TO BE CUT TO SUBGRADE LEVELS SHALL BE PROOF ROLLED WITH A LOADED DUMP TRUCK OR SIMILAR APPROVED CONSTRUCTION EQUIPMENT TO DETECT UNSUITABLE SOIL CONDITIONS UNLESS OTHERWISE DIRECTED BY THE GEOTECHNICAL ENGINEER AND OWNER'S TESTING AGENCY.
 6. IN ALL AREAS OF EXCAVATION, IF UNSUITABLE SOIL CONDITIONS ARE ENCOUNTERED, THE OWNER'S ENGINEER SHALL RECOMMEND TO THE OWNER THE METHODS OF UNDERCUTTING AND REPLACEMENT OF PROPERLY COMPACTED WITH APPROVED FILL MATERIAL. ALL PROPPING AND UNDERCUTTING SHOULD BE PERFORMED DURING A PERIOD OF DRY WEATHER.
 7. ALL EXCAVATIONS SHALL BE CONSIDERED AS UNCLASSIFIED. REFER TO PROJECT GEOTECHNICAL REPORT.
 8. ALL DISTURBED SLOPES ARE TO BE 3:1 OR FLATTER.
 9. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH AND A MINIMUM OF FOUR INCHES OF TOPSOIL APPLIED, IF AVAILABLE. TOPSOIL IS NOT AVAILABLE ON-SITE, THE CONTRACTOR SHALL PROVIDE TOPSOIL, APPROVED BY THE OWNER, AS NEEDED. AREAS SHALL THEN BE SEED OR SEED, FERTILIZED, MULCHED, AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY AREAS DAMAGED FOR ANY REASON SHALL BE REPAIR OR REPAIR BY THE CONTRACTOR AT NO COST TO THE OWNER PRIOR TO FINAL ACCEPTANCE OF THE PROJECT. REFER TO PROJECT SITE AND LANDSCAPE PLANS FOR FINAL STABILIZATION TREATMENTS.
 10. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBER AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS.
 11. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT UNDISTURBED AREAS DURING THE CONSTRUCTION PHASES OF THIS PROJECT. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
 12. IF IT IS NOT THE DUTY OF THE ENGINEER OR THE OWNER TO REVIEW THE LEGACY OF THE CONTRACTOR'S SAFETY MEASURES, IN, ON OR NEAR THE CONSTRUCTION SITE AT ANY TIME DURING CONSTRUCTION.
 13. INSTALL PERFORATED FRENCH DRAIN AS SHOWN ON DETAIL SHEET C191. 3\"/>

- LEGEND:**
- ◈ BENCHMARK
 - ⊙ CONTROL POINT
 - ⊙ LIGHT POLE
 - ⊙ PULL BOX
 - WATER LINE
 - WATER LINE GATE VALVE
 - FIRE HOSE
 - SPRINKLER CONTROL BOX
 - STORM SEWER MANHOLE
 - SANITARY SEWER CLEAN OUT
 - DOWN SPOUT
 - ROOF DRAIN
 - HOPE HIGH DENSITY POLYETHYLENE
 - PVC REINFORCED CONCRETE PIPE
 - POLYETHYLENE GLASS FIBER PIPE
 - STREET/MARKING SIGN
 - PARKING STALL CONTROL
 - EXISTING GRADE 5' CONTOUR
 - EXISTING GRADE 1' CONTOUR
 - FINISH FLOOR ELEVATION
 - DOOR ELEVATION
 - BUILDING HEIGHT/ELEVATION
 - SCHEDULE 8 IDENTIFIER
 - DECIDUOUS TREE
 - CONIFEROUS TREE
 - BUSH
 - LVS LANDSCAPING AREA
 - WALL VOUNDED CAMERA
 - WALL VOUNDED LIGHT
 - SOL BORING LOCATION

- LEGEND (PROPOSED)**
- 28.00 SPOT ELEVATION (ADD 900)
 - 28.20 TOP OF PAVEMENT
 - 28.20 TOP OF CURB (ADD 900)
 - 28.20 FLOWLINE OF CURB (ADD 900)
 - FLOW DIRECTION
 - FINISHED 1' CONTOUR INTERVALS, TOP OF PAVEMENT

- NOTES:**
1. MATCH EXISTING CURB ELEVATION.
 2. MATCH EXISTING SIDEWALK ELEVATION.
 3. MATCH EXISTING PAVEMENT ELEVATION.

SAFETY NOTICE TO CONTRACTOR
IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

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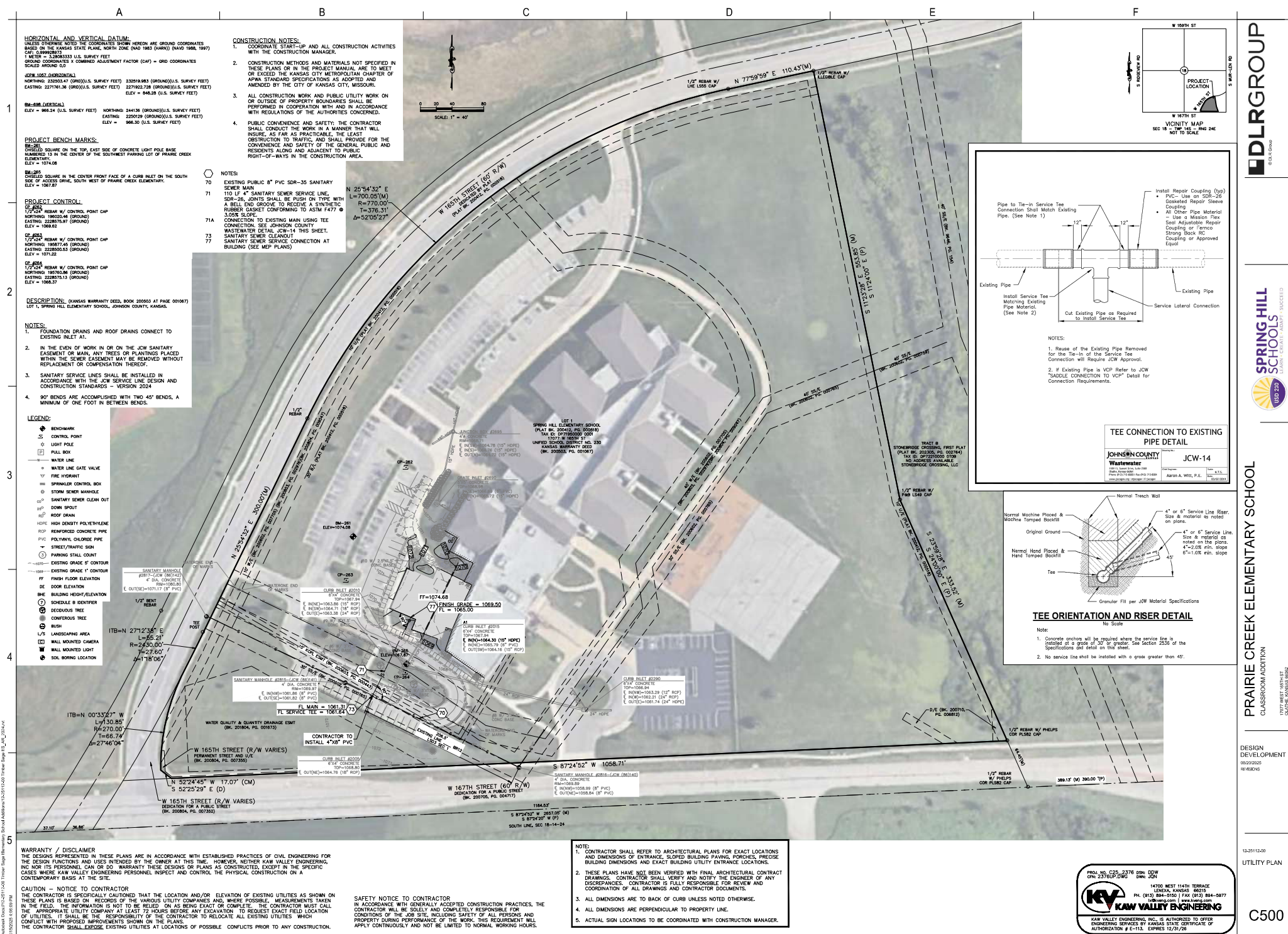
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 3. ALL DIMENSIONS ARE TO BACK OF CURB UNLESS NOTED OTHERWISE.
 4. ALL DIMENSIONS ARE PERPENDICULAR TO PROPERTY LINE.
 5. ACTUAL SIGN LOCATIONS TO BE COORDINATED WITH CONSTRUCTION MANAGER.

PROJ. NO. C25-2376 EDR: DOW
DATE: 08/22/2025
14700 WEST 114TH TERRACE
OVERLAND PARK, MO 66213
PH: (913) 884-2150 / FAX: (913) 884-5877

KAW VALLEY ENGINEERING

KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY KANSAS STATE CERTIFICATE OF AUTHORIZATION # C-1133. EXPIRES 12/31/28



HORIZONTAL AND VERTICAL DATUM:
UNLESS OTHERWISE NOTED, THE COORDINATES SHOWN HEREON ARE GROUND COORDINATES BASED ON THE KANSAS STATE PLANE, NORTH ZONE 1983 (NAD 1983) (NAD 1983, 1997) CARS SURVEY.
THE KANSAS STATE PLANE, NORTH ZONE 1983 (NAD 1983) (NAD 1983, 1997) CARS SURVEY COORDINATES X COMBINED ADJUSTMENT FACTOR (CAF) = GRID COORDINATES
JCW 1427 (HORIZONTAL)
NORTHING: 22525.47 (GRID)(U.S. SURVEY FEET) 23259.893 (GROUND)(U.S. SURVEY FEET)
EASTING: 227161.36 (GRID)(U.S. SURVEY FEET) 227162.728 (GROUND)(U.S. SURVEY FEET)
ELEV = 1064.28 (U.S. SURVEY FEET)

BN-26 (VERTICAL)
ELEV = 1068.74 (U.S. SURVEY FEET) NORTHING: 244136 (GROUND)(U.S. SURVEY FEET)
EASTING: 222570 (GROUND)(U.S. SURVEY FEET) ELEV = 1068.30 (U.S. SURVEY FEET)

PROJECT BENCH MARKS:
BN-26
CHISELED SQUARE ON THE TOP, EAST SIDE OF CONCRETE LIGHT POLE BASE NUMBERED 15 IN THE CENTER OF THE SOUTHWEST PARKING LOT OF PRAMER CREEK ELEMENTARY.
ELEV = 1074.06
BN-26
CHISELED SQUARE IN THE CENTER FRONT FACE OF A CURB INLET ON THE SOUTH SIDE OF ACCESS DRIVE, SOUTH WEST OF PRAMER CREEK ELEMENTARY.
ELEV = 1067.87

PROJECT CONTROL:
CP-362
1/2" REBAR W/ CONTROL POINT CAP
NORTHING: 10602.48 (GROUND)
EASTING: 222678.97 (GROUND)
ELEV = 1074.82
CP-363
1/2" REBAR W/ CONTROL POINT CAP
NORTHING: 10607.45 (GROUND)
EASTING: 222820.53 (GROUND)
ELEV = 1074.22
CP-364
1/2" REBAR W/ CONTROL POINT CAP
NORTHING: 10670.06 (GROUND)
EASTING: 222713.13 (GROUND)
ELEV = 1068.37

DESCRIPTION: (KANSAS WARRANTY DEED, BOOK 20503 AT PAGE 01087) LOT 1, SPRING HILL ELEMENTARY SCHOOL, JOHNSON COUNTY, KANSAS.

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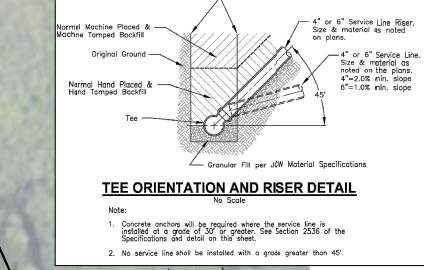
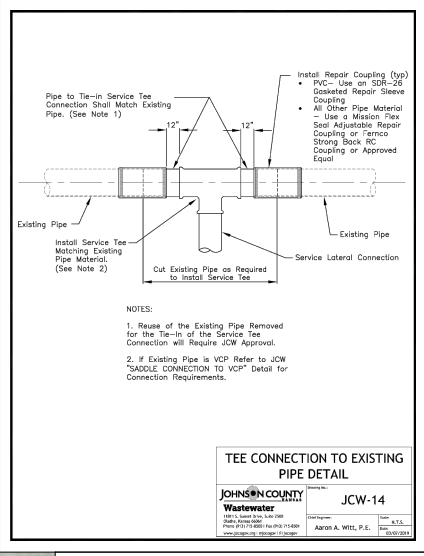
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 - ALL DIMENSIONS ARE TO BACK OF CURB UNLESS NOTED OTHERWISE.
 - ALL DIMENSIONS ARE PERPENDICULAR TO PROPERTY LINE.
 - ACTUAL SIGN LOCATIONS TO BE COORDINATED WITH CONSTRUCTION MANAGER.

KAW VALLEY ENGINEERING

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LEWIS, KANSAS 66215
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KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OBTAIN ENGINEERING SERVICES BY KANSAS STATE CERTIFICATE OF AUTHORIZATION # C-113. EXPIRES 12/31/26

DLR GROUP

SPRING HILL SCHOOLS

PRAIRIE CREEK ELEMENTARY SCHOOL

CLASSROOM ADDITION

DESIGN DEVELOPMENT

15-251125-08

UTILITY PLAN

C500