

Office: 913.894.5150
Fax: 913.894.5977
Web: www.kveng.com
fress: 14700 West 114th Terrace.

Address: 14700 West 114th Terrace Lenexa, KS 66215

September 9, 2022 C20D0496-1

Mr. Kyle Gorrell Lee's Summit School District 302 SE Transport Road Lee's Summit, Missouri 64081

RE: STORM WATER MANGEMENT LEE'S SUMMIT HIGH SCHOOL ROBOTICS PROJECT LEE'S SUMMIT, MISSOURI

Dear Mr. Gorrell:

Kaw Valley Engineering, Inc. has completed a review of the stormwater management implications associated with the construction of the Robotics/GIC Improvements at the Lee's Summit (LSHS) Robotics and GIC buildings in Lee's Summit, Missouri.

The City of Lee's Summit, Missouri has adopted a storm water management design criterion titled Section 5600 (Storm Drainage Systems and Facilities) which was used for stormwater planning and design. APWA 5600 lists exceptions to general requirements and applicability associated with Development in section 5601.3. The intent of these exceptions is to not require implementation of extensive storm water management systems on low impact and small-scale development projects.

The proposed LSHS Robotics project will impact approximately 10,000 SF of the property on the south side of Building D and north side of Building E. A net increase of approximately 2,800 SF in impervious is expected at project completion. The improvements to Buildings D and E will not alter existing overall drainage patterns and will utilize the existing storm sewer system onsite. Due to the disconnected nature of the proposed project and location of the improvements on the Lee's Summit HS campus, KVE will request that the City of Lee's Summit permits the proposed improvements without addressing the increase in impervious surface.

If you have any questions or require additional information, please do not hesitate to contact me at (913) 894-5150.

Respectfully submitted,

Kaw Valley Engineering, Inc.

Christian J. Crowder, P.E. Project Manager

Attachments:

Design and Construction Manual Construction Modification Request Site Plan **Demolition Plan Grading Plan**



DESIGN & CONSTRUCTION MANUAL DESIGN CRITERIA MODIFICATION REQUEST

PROJECT NAME: Lee's Summit High School Robotics Project ADDRESS: 400 SE Blue Pkwy, Lee's Summit, MO 64063 PERMIT NUMBER: PL2022372 OWNER'S NAME: Kyle Gorrell – Lee's Summit School District TO: Deputy Director of Public Works / City Engineer In accordance with the City of Lee's Summit's Design and Construction Manual (DCM), I wish to apply for a modification to one or more provisions of the code as I feel that the spirit and intent of the DCM is observed and the public health, welfare and safety are assured. The following articulates my request for your review and action. (NOTE: Cite specific code sections, justification and all appropriate supporting documents.)			
		CLIDAUTTED DV	
		SUBMITTED BY:	() 0141150
		NAME: Christian Crowder	
		ADDRESS: 14700 West 114 th Terrace	PHONE #: (913) 894-5150
		CITY, STATE, ZIP: Lenexa, KS 66215	
Email: <u>crowder@kveng.com</u> SIG	GNATURE:		
Gene Williams Sr. Staff			
DEVELOPMENT ENGINEERING MANAGER- Eng.	(X) APPROVAL () DENIAL		
SIGNATURE:	DATE: Nov. 17, 2022		
JEFF THORN, P.E.			
DEPUTY DIRECTOR OF WATER UTILITIES	() APPROVED () DENIAL		
SIGNATURE:	DATE:		
GEORGE M. BINGER III, P.E.			
DEPUTY DIRECTOR OF PUBLIC WORKS / CITY ENGINEER	(X) APPROVED () DENIAL		
SIGNATURE:			
COMMENTS:			



14700 WEST 114TH TERRACE
LENEXA, KANSAS 66215
PH. (913) 894–5150 | FAX (913) 894–5977
|x@kveng.com | www.kveng.com

KAW VALLEY ENGINEERING

LEGEND:

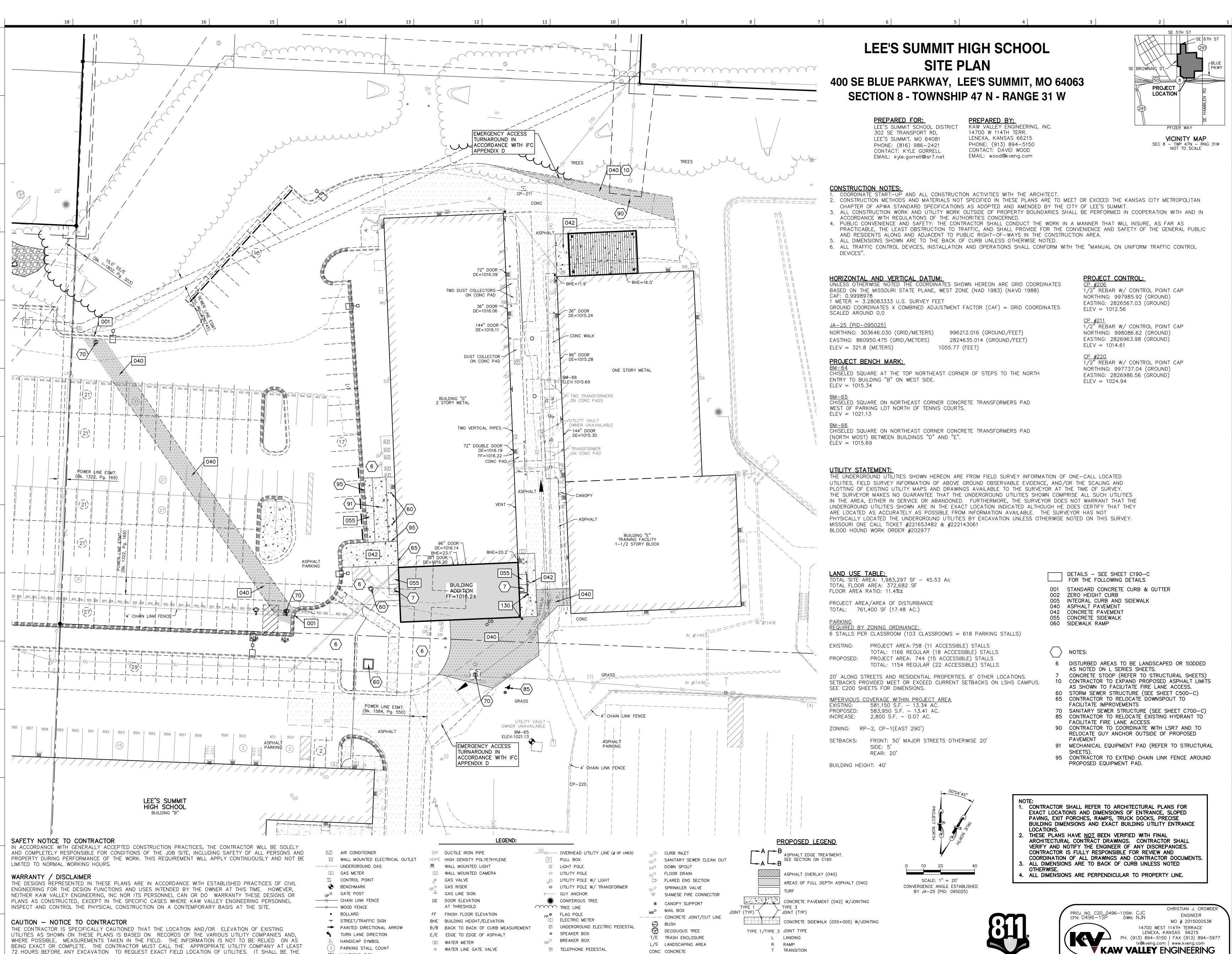
EXISTING IMPERVIOUS AREA

ADDITIONAL IMPERVIOUS AREA FROM PROPOSED IMPROVEMENTS

EXISTING IMPERVIOUS AREA IS ESTIMATED FROM AERIAL TOPOGRAPHY

OVERALL LSHS DRAINAGE PLAN 11/8/2022

0496-1PBASEIMPERV



S SANITARY SEWER MANHOLE

STORM SEWER MANHOLE

AREA INLET

11 |

LW LOWEST WIRE HEIGHT

PROJECT AREA (LIMITS OF DISTURBANCE)

Know what's below.

Call before you dig.

KAW VALLEY ENGINEERING, INC., IS AUTHORIZED TO OFFER

AUTHORITY # 000842. EXPIRES 12/31/23

ENGINEERING SERVICES BY MISSOURI STATE CERTIFICATE OF

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

THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AT LOCATIONS OF POSSIBLE CONFLICTS PRIOR TO ANY

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IMPROVEMENTS SHOWN ON THE PLANS.

11/8/2022 3:20 PM

CONSTRUCTION.

PRINT DATE/TIME:

ADA HANDICAP SIGN

HRMP HANDICAP RAMP

₩HEEL STOP

14

15 [|]

♥ FIRE HYDRANT

W WATER MANHOLE

13

SPRINKLER CONTROL BOX

12



Lee's Summit Robotics, **GiC & Phys Educaiton**

LSN: 901 NE Douglas St., Lee's Summit MO LSW: 2600 SW Ward Rd, Lee's Summit MO

LSHS: 400 SE Blue Pkwy, Lee's Summit MO 64063 Project Number: 301 NE Tudor Road

Kansas City, MO 64111

816.931.6655 structural enginee Kaw Valley Engineering Bob D. Campbell & 14700 West 114th Terrace Lenexa, KS 66215 913.485.0318 816.531.4144 www.bdc-engrs.com

kveng.com MEPFT/Code:: **Henderson Engineers** 8345 Lenexa Drive, Suite Lenexa, KS 66214 816.742.5000

www.hendersonengineers.com

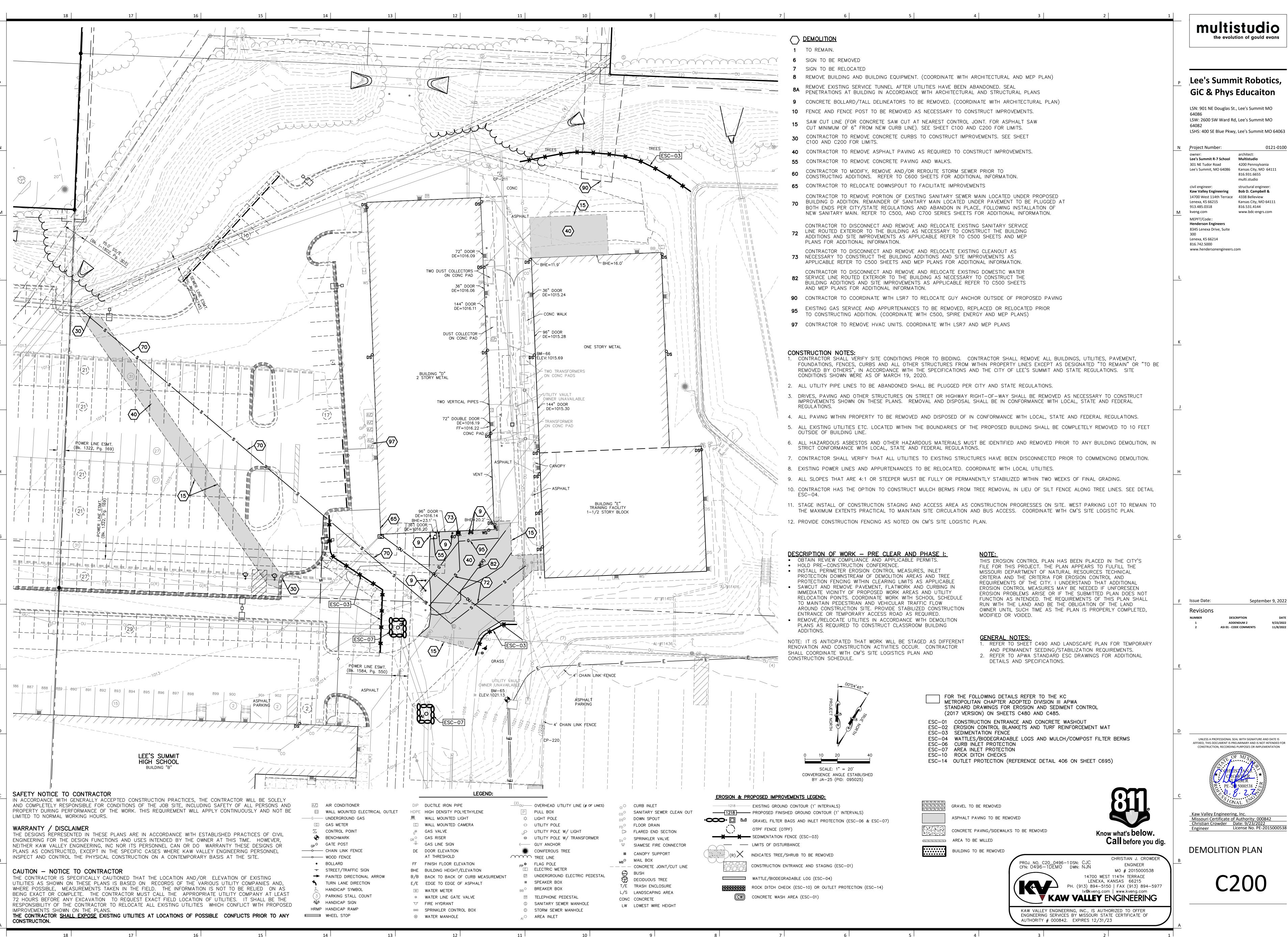
Lee's Summit, MO 64086

Issue Date: September 9, 2022

UNLESS A PROFESSIONAL SEAL WITH SIGNATURE AND DATE IS AFFIXED. THIS DOCUMENT IS PRELIMINARY AND IS NOT INTENDED FOR CONSTRUCTION RECORDING PURPOSES OR IMPLEMENTATION

ONAL ! Kaw Valley Engineering, Inc. Missouri Certificate of Authority: 000842
Christian Crowder Date: 9/23/2022
Engineer License No. PE-2015000538

SITE PLAN



PRINT DATE/TIME:

11/8/2022 3:21 PM

Lee's Summit Robotics, **GiC & Phys Educaiton**

LSN: 901 NE Douglas St., Lee's Summit MO LSW: 2600 SW Ward Rd, Lee's Summit MO

LSHS: 400 SE Blue Pkwy, Lee's Summit MO 64063 Project Number:

Lee's Summit R-7 School 4200 Pennsylvania Lee's Summit, MO 64086 Kansas City, MO 64111 816.931.6655 multi.studio

Bob D. Campbell Kaw Valley Engineering 14700 West 114th Terrace 816.531.4144 www.bdc-engrs.con

Henderson Engineers 8345 Lenexa Drive, Suite

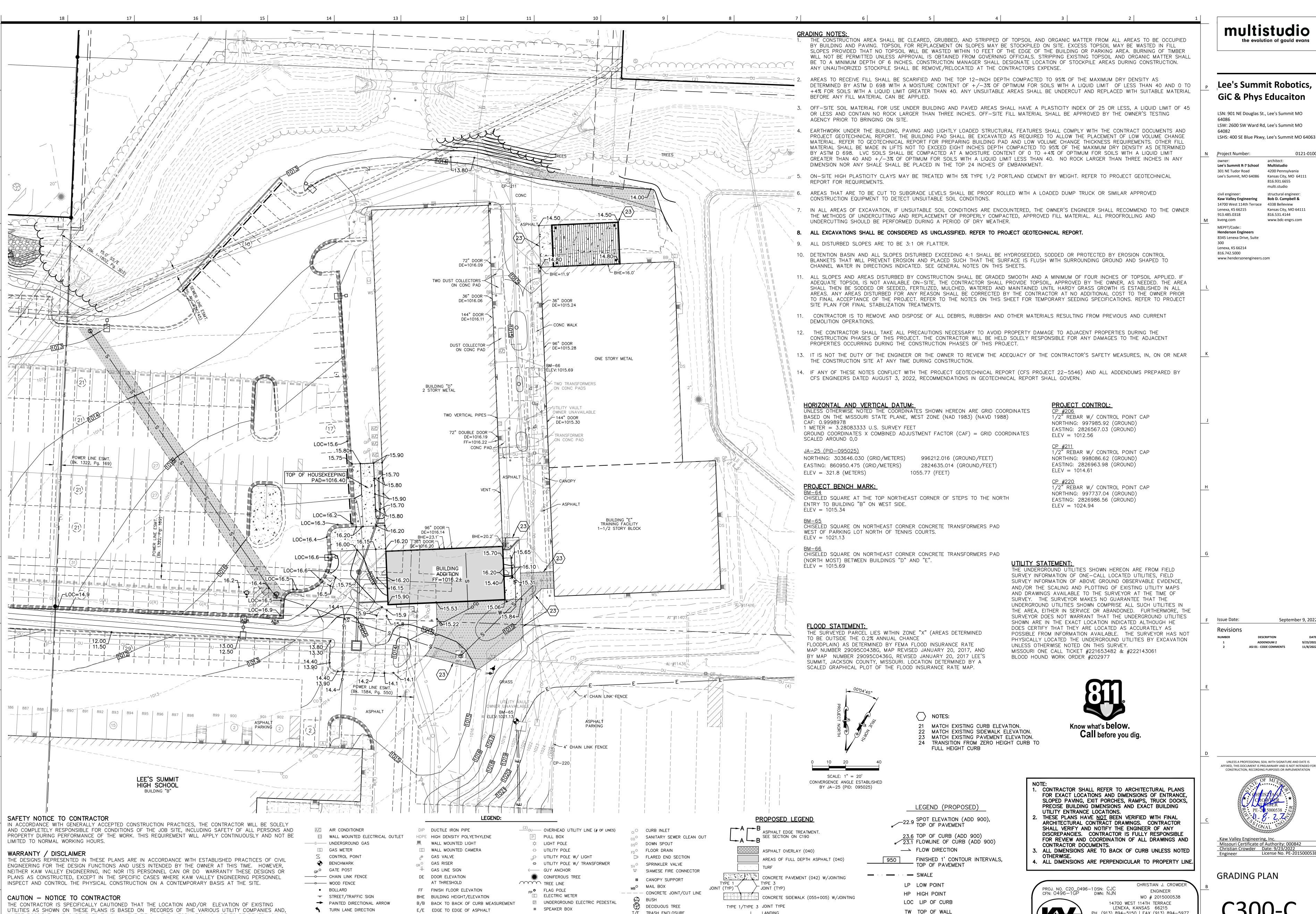
Lenexa, KS 66214 www.hendersonengineers.com

ADDFNDUM 2

September 9, 2022

DEMOLITION PLAN

ONAL !



T/E TRASH ENCLOSURE

L/S LANDSCAPING AREA

LW LOWEST WIRE HEIGHT

CONC CONCRETE

BREAKER BOX

AREA INLET

11 |

TELEPHONE PEDESTAL

STORM SEWER MANHOLE

S SANITARY SEWER MANHOLE

10

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

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THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AT LOCATIONS OF POSSIBLE CONFLICTS PRIOR TO ANY

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IMPROVEMENTS SHOWN ON THE PLANS.

11/8/2022 3:22 PM

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PRINT DATE/TIME:

HANDICAP SYMBOL

ADA HANDICAP SIGN

HRMP HANDICAP RAMP

₩HEEL STOP

14

PARKING STALL COUNT

W WATER METER

♥ FIRE HYDRANT

W WATER MANHOLE

13

⊗ WATER LINE GATE VALVE

SPRINKLER CONTROL BOX

12

L LANDING

T TRANSITION

PROJECT AREA (LIMITS OF DISTURBANCE)

R RAMP

Lee's Summit Robotics, **GiC & Phys Educaiton**

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Project Number: Lee's Summit R-7 School 301 NE Tudor Road 4200 Pennsylvania

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kveng.com MEPFT/Code:: **Henderson Engineers** 8345 Lenexa Drive, Suite

Lenexa, KS 66214 816.742.5000 www.hendersonengineers.com

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> MONAL ! Kaw Valley Engineering, Inc.

Missouri Certificate of Authority: 000842
Christian Crowder Date: 9/23/2022
Engineer License No. PE-2015000538

GRADING PLAN

KAW VALLEY ENGINEERING, INC., IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY MISSOURI STATE CERTIFICATE OF AUTHORITY # 000842. EXPIRES 12/31/23

BW BOTTOM OF WALL

SW SIDEWALK ELEVATION

P PAVEMENT ELEVATION

PH. (913) 894-5150 | FAX (913) 894-5977

KAW VALLEY ENGINEERING

lx@kveng.com | www.kveng.com