



NEW ELEMENTARY SCHOOL ON GREENDALE ROAD

DESIGN DEVELOPMENT SEPTEMBER 16, 2024

1411 GREENDALE ROAD LEXINGTON, KENTUCKY 40511

DEMETRUS LIGGINS- SUPERINTENDENT TYLER MURPHY - CHAIRPERSON AMY GREEN - VICE CHAIRPERSON MARILYN CLARK - MEMBER JASON MOORE - MEMBER AMANDA FERGUSON - MEMBER

BG# 24-195

OWNER: **FAYETTE COUNTY BOARD OF EDUCATION**

SCB PROJECT NUMBER: 2380

CIVIL ENGINEER

ELEMENT DESIGN, PLLC 366 SOUTH BROADWAY LEXINGTON, KY 40508 P (859) 389-6533

STRUCTURAL ENGINEER

SHERMAN CARTER BARNHART ARCHITECTS, PLLC 9300 SHELBYVILLE ROAD HURSTBOURNE PLACE SUITE 502 LOUISVILLE, KY 40222 P (502) 721-6100 F (859) 721-6111

MECHANICAL/ELECTRICAL ENGINEER

SHROUT TATE WILSON MECHANICAL AND ELECTRICAL ENGINEERS 628 WINCHESTER ROAD LEXINGTON, KY 40505 P (859) 277-8177 F (859) 277-8372

KITCHEN EQUIPMENT CONSULTANT CONCEPT DESIGNS, LLC SIMPSONVILLE, KY 40067 P (502) 592-0888

CONSTRUCTION MANAGERS

CODELL CONSTRUCTION COMPANY 4475 ROCKWELL ROAD WINCHESTER, KY 40391 P (859) 744-2222

ELAINE ALLEN, LLC **1591 WINCHESTER ROAD SUITE 103** LEXINGTON, KY 40505 P (859) 368-7790

DOOR HARDWARE CONSULTANT

MARK GULLETT GULLETT ENTERPRISES, LLC DBA CALVERT INDEPENDENT HARDWARE SPECIFICATIONS, LLC 840 WADES MILL RD WINCHESTER, KY 40391 P (606) 434-8741





1 FIRST FLOOR CODE PLAN 1" = 30'-0"





	CODE INFORMATION
<u>CODE</u> - KENTUCKY BUILDING CODE, 2018 3rd EDITION	BUILDING HEIGHT CALCULATION: PER
<u>OSE GROUP</u> - EDUCATION - GROUP E <u>CONST. TYPE</u> - I I <u>FIRE PROTECTION:</u> - FULLY SPRINKLERED WITH VOICE ALARM	ALLOWABLE HEIGHT PER TABLE 504.4 - 3 STORIES / 75'-0"
	ACTUAL HEIGHT - 2 STORY & MEZZANINE / 32'-0" (BU
BUILDING AREA CALCULATIONS	ASSEMBLY AREAS OCCUPANT LOAD CA
ALLOWABLE AREA PER FLOOR: 43 500 SOLIARE FEET (TABLE 506 2)	CAFETERIA/ COMMONS EGRESS PROVIDED 201 INCHES / .15 = 1,340 MAX. OCCU AREA: CONCENTRATED SEATING (FOLDING CHAIRS): 742 SEA
	GYMNASIUM: EGRESS PROVIDED 268 INCHES /.15 = 1,786 MAX. OCCL
ACTUAL AREA SECOND FLOOR: 15,337 SQ. FT. (INCLUDING CANOPY)	FLOOR BLEACHERS = 733 SEATS GYMNASIUM FLOOR @ 50 = 73 TOTAL GYMNASIUM SEATING = 806
ALLOWABLE BUILDING 2	MEDIA CENTER: EGRESS PROVIDED 167.5 INCHES /.15 = 1,116 MAX. OCC UNCONCENTRATED SEATING = - / 20 = -
ALLOWABLE AREA PER FLOOR: 43,500 SQUARE FEET (TABLE 506.2)	MEDIA CENTER SEATING = -
ACTUAL AREA FIRST FLOOR: 43,166 SQ. FT. (INCLUDING CANOPY) ACTUAL AREA SECOND FLOOR: 14,295 SQ. FT.	
	FIREWALLS - 2 HOUR (TABLE 706.4, FO
	TORNADO SHELTER-2 HOUR FIRE BARRIER (EXTERIOR WALLS AT FIREWALL-2 HOUR FIRE RESISTANT
ROOM USE LEGEND	UL ASSEMBLY RATINGS
EDUCATION USE	8" CMU WALL - UL NO. U900 12" CMU WALL - UL NO. U900 GYPSUM ASSEMBLY (2 LAYERS 5/8" GYP, OVER METAL STUD S) NO. V48:
USINESS (ADMINISTRATION) SSEMBLY (SHARED)	
	TABLE 601 TYPE II B
	PRIMARY STRUCTURAL FRAME - 0 HR.
	BEARING WALLS INTERIOR - 0 HR. EXTERIOR - 0 HR.
	NON BEARING WALLS INTERIOR - 0 HR.
	ROOF CONSTRUCTION - 0 HR.
	GENERAL NOTES
	1. FLOOR AREAS NOTED ARE FOR CODE COMPLIANCE CALCULATIONS ONLY. BE USED FOR MATERIAL QUANTITIES. REFER TO CONSTRUCTION INFORMA ROOM INFORMATION.
	ENERGY CODE - 90.1 (2010) COMPLIA
	SPECIAL INSPECTIONS PER CHAPTER KY. BUILDING CODE
	IN ADDITION TO OTHER TESTS AND INSPECTIONS REQUIRED TO BE PROVIDED BY THE CONTRAI SPECIFICATIONS, THE OWNER SHALL PROVIDE THE SERVICES OF QUALIFIED THIRD-PARTY INSF ALL REQUIRED SPECIAL INSPECTIONS AS FOLLOWS:
	SECTION ITEM REQUIRED? RE YES NO
	1704.2.5 FABRICATORS X PE 1704.6.1 STRUCTURAL OBSERVATION FOR SEISMIC RESISTANCE X STRUCTURAL OBSERVATION FOR SEISMIC RESISTANCE
	1704.6.2 STRUCTURAL OBSERVATION FOR WIND REQUIRMENTS X V
	1705.1 SPECIAL CASES STORM SHELTER X PE 1705.2 STEEL X PE
	1705.3 CONCRETE X PI 1705.4 MASONRY X LI
	1705.5 WOOD <u>X</u> N
	1705.0 SOILS PI 1705.7 DRIVEN DEEP FOUNDATIONS X N
	1705.8 CAST IN PLACE DEEP FOUNDATIONS X N 1705.9 HELICAL PILE FOUNDATION X N
	1705.11.1 WIND - STRUCTURAL WOOD X N 1705.11.2 WIND - COLD FORMED STEEL FRAMING X N
	1705.11.3 WIND - WIND RESISTING COMPONENTS X N 1705.12.1 SEISMIC - STRUCTURAL STEEL X S
	1705.12.2 SEISMIC- STRUCTURAL WOOD X N 1705.12.3 SEISMIC- COLD FORMED STEFL FRAMING X SEISMIC
	1705.12.5 SEISMIC SUSTEMS X No 1705.12.5 SEISMIC-ARCHITECTURAL COMPONENTS - X SEISMIC-ARCHITECTURAL COMPONENTS - 1705.12.5 SEISMIC-ARCHITECTURAL COMPONENTS - X SEISMIC-ARCHITECTURAL COMPONENTS -
	AND VENEER IN STRUCTURES 1705.12.6 SEISMIC- PLUMBING, MECH. AND ELECT. COMPONENTS X SEISMIC- STORAGE RACKS AND ACCESS FLOORS X NO
	1705.13 TESTING OF SEISMIC RESISTANCEX
	1/05.14 SPRAYED FIREPROOFING X AT 1705.15 FIREPROOFING X NO 1705.16 X NO
	1705.16 E.I.F.S. X No 1705.17 FIRE RESISTANT PENETRATIONS & JOINTS X PI 1705.18 SMOKE CONTROL X PI
	STRUCTURAL DESIGN LOAD
	STRUCTURAL DESIGN LOAD (REFER TO SHEET S0.1) EARTHQUAKE DESIGN DATA





TORNADO SHELTER C COMPLIANCE INFORMA

REFERENCED STANDARDS ICC500-2014 SECTI 2018 - KENTUCKY BUILDING CODE (KBC) 3RD B
GENERAL CODE INFORMATION

CONSTRUCTION TYPE: 2B USE GROUP: E

SPRINKLERED + VOICE ALARM TWO STORY AND MEZZANINE CONSTRUCTION			
BUILDING AREA:	NEW 64,639 SQ. FT.		
SHELTER AREA:	9,665 SQ. FT.		

CALCULATIONS

K-12 FACILITY, KENTUCKY DEPARTMENT OF EDUCATION EDUCATION (E) OCCUPANCY AREA = 32,640 SF (KBC 423.4) EDUCATION OCCUPANCY AREAS DO NOT INCLUDE THE FLOOR AREAS OF S SUCH AS ART, SCIENCE, MUSIC, RESOURCE OR SIMILAR.

TORNADO SHELTER OCCUPANT LOAD

1/20 (KBC 1004.1.2)

32,640 / 20 = 1,632 OCCUPANTS SHELTER OCCUPANT LOAD = 1,632 OCCUPANTS

MINIMUM USABLE SHELTER FLOOR AREA

WHEELCHAIR SPACES = 1 /200 = 1,632/ 200 = 9 WHEEL CHAIR LOCATONS (IC OCCPANCY DENSITY = 1,632 STANDING/ SEATED @ 5 SF/ OCCUPANT= 8,160 + 9 WHEELCHAIR OCCUPANTS @ 10 SF PER OCCUPANT = 90 SF = 8,160 + 90 = 8,250 SF AREA REQUIRED

SHELTER AREA PROVIDED = 9,665 SF

MINIMUM NATURAL VENTING AREA 6 SQ. INCHES PER OCCUPANT = 6 x 1,632 = 9,792 INCHES (ICC 702.1.1) MINIMUM SANITATION ITEMS - REFER TO TOILET NOTES THIS SHEET (ICC)

SHELTER SANITATION CALCULATIONS – REFER TO THIS SHEET. MINIMUM FOUNDATION CAPACITY - 4,000 PSF

MISCELLANEOUS CRITERIA

- A. REFER TO STRUCTURAL AND MPE DOCUMENTS FOR ADDITIONAL INFO
- B. SHELTER CONFIGURATION PARTIAL EXTERNAL, PARTIAL HOST / ADJA C. SHELTER WALLS FIRE RATING - 2 HOUR FIRE BARRIER D. SHELTER DOORS FIRE RATING - 90 MINUTE, ICC COMPLIANT IMPACT R
- E. OPENING PROTECTIVES 90 MINUTE, ICC COMPLIANT IMPACT RESISTA
- E. EMERGENCY EXIT PROVIDED VIA SECOND ENTRY / EXIT DOOR G. FIRE EXTINGUISHER - PROVIDED, REFER TO FLOOR PLAN THIS SHEET
- LOCATION. H. FIRST AID KIT, PROVIDED BY OWNER.
 I. SHELTER SIGNAGE PER ICC 504, PROVIDED REFER TO THE FLOOR PLAN SHEET FOR TYPES AND LOCATIONS.

SHELTER KEY NOTE

FEC = FIRE EXTINGUISHER CABINET, MOUNTED 48" AFF TO MIDDLE

- 1. FIRST AID KIT, OFCI.
- 2. SHELTER ACTIVATION BUTTON.

LEGEND

DOOR NUMBER (REFER TO SCHEDULE, SHEET A8.1) X)

WALL TYPE (REFER TO PARTITION TYPES, SHEET X N0.1)

QUALITY ASSURANCE

. REFER TO STRUCTURAL DRAWINGS S0.1, S0.2 AND S0.3 FOR STRUCTU REQUIREMENTS PER 107.3.2

CODE ATION		E R M A N	RNHART	
FION 101.5 EDITION		U N U	A A 2 A A	
SHARED USE ROOMS				
CC 501.1.3) 50 SF (ICC 501.1.1) SF				
702.2)				
9 OF ICC 500-2014. 04.2)		NTARY SCHOOL	NDALE ROAD	UNTY, KENTUCKY
JSCEPTABLE TO DDER / CONTRACTOR		ELEMEI	N GREEI	YETTE CO
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			REGUIREM	
		JOB NO.		2380
		DATE DRAWN CHECKEE COPYRIGHT SHERMAN C	© 2024 CARTER B	- - - ARNHART
		ARCHITECT REVISION No. Desc	s, PLLC	Date
		SHEET		
		С	;() ,	2

SURVEY NOTES

1.- THE BOUNDARY AND CONTROL PORTION OF THIS SURVEY WAS CONDUCTED VIA RTK GPS SURVEY METHODS, USING TOPCON HIPER V, DUAL FREQUENCY RECEIVERS, IN A BASE AND ROVER CONFIGURATION. ALL NON GPS ACCESSIBLE DATA COLLECTION WAS OBSERVED FROM GPS ESTABLISHED CONTROL USING A SOKKIA SX3 ROBOTIC TOTAL STATION. ALL REDUNDANT GPS OBSERVATIONS TO SAID CONTROL POINTS AND FOUND CORNER MONUMENTS, PASSED A LEAST SQUARES ADJUSTMENT TOLERANCE OF +/- 0.04' + 100PPM, BEFORE FAILURE. SPECIFICATIONS OF A URBAN CLASS SURVEY ARE +/- 0.05' + 100 PPM. ALL MONUMENTS WERE SET BY GPS, UNLESS OTHERWISE NOTED.

2.- THE BASIS OF BEARINGS FOR THIS SURVEY IS KENTUCKY STATE PLANE NORTH (NAD83)(2011). USING GEOID 18. THE BASIS OF ELEVATIONS IS NAVD88.

3.- ALL SET PROPERTY CORNERS, HAVE BEEN MARKED WITH 5/8" IRON PINS WITH PLASTIC IDENTIFICATION CAPS STAMPED "AIM3D - PLS 3843" OR MAG NAILS SET WITH ALUMINUM DISCS STAMPED "AIM3D - PLS 3843" AS NOTED.

4.- THE SURVEY AS SHOWN HEREON IS AN URBAN CLASS SURVEY AND THE ACCURACY AND PRECISION OF SAID SURVEY MEETS ALL THE SPECIFICATIONS OF THIS CLASS

5..- THIS PLAT OF SURVEY REPRESENTS A BOUNDARY SURVEY AND COMPLIES WITH 201 KAR 18:150.

6.- RECORDS RESEARCH FOR THIS SURVEY COMPLIES WITH 201 KAR 18:150 (SECTION 5). ANY RECORD EASEMENTS OR ENCUMBRANCES FOUND DURING SAID RECORDS RESEARCH, ARE SHOWN OR NOTED ON THIS SURVEY, TO THE LEVEL OF DETAIL AND COMPLETENESS OF THE SOURCE DOCUMENT.

NO TITLE OPINION WAS PROVIDED TO THE SURVEYOR. A TITLE SEARCH, CONDUCTED BY AN ATTORNEY, MAY BE NECESSARY TO DISCOVER ALL ENCUMBRANCES RELATED TO THE SUBJECT PROPERTY.

RECORDS RESEARCH FOR THIS SURVEY, HAS BEEN PERFORMED FOR THE EXPRESS PURPOSE OF ASCERTAINING THE LOCATION OF LINES OF OWNERSHIP ONLY. THE SURVEYOR DOES NOT INTEND TO CONVEY OR GUARANTEE THAT ALL OTHER MATTERS POSSIBLY DISCOVERED IN SAID TITLE SEARCH, ARE SHOWN OR NOTED AS PART OF THIS SURVEY.

7.- THE TOPOGRAPHIC PORTION OF THIS SURVEY, WAS CONDUCTED BY RANDOM TRAVERSE, USING A LEICA P40 AND RTC TERRESTRIAL SCANNERS. THE ADJUSTED TRAVERSE PRECISION RATIO OF TARGET CONTROL LOOP, WAS ABOVE 1:20,000.

8.- THE TOPOGRAPHIC PORTION OF THIS SURVEY, MEETS OR EXCEEDS THE NSPS MODEL STANDARDS FOR TOPOGRAPHIC SURVEYS.

9.- SUBSURFACE UTILITIES WERE LOCATED IN THE FIELD PER MARKINGS MADE BY A THIRD PARTY LOCATING SERVICE AND USE OF LFUCG GIS MAPPING. CONSULTANT MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE SUBSURFACE UTILITY INFORMATION AND SPECIFICALLY MAKES NO WARRANTY THAT SAID SUBSURFACE UTILITY INFORMATION SHALL BE MARKETABLE OR FIT FOR ANY PARTICULAR PURPOSE. THE LOCATIONS IDENTIFIED ARE ONLY APPROXIMATE AND THERE IS THE POSSIBILITY THAT ADDITIONAL SUBSURFACE UTILITY LINES NOT DISCOVERED DURING THE SEARCH OF RECORDS AND THE FIELD SURVEY COULD EXIST. PRIOR TO ANY DESIGN OR CONSTRUCTION IN THE VICINITY OF ANY SUBSURFACE UTILITIES, IT IS RECOMMENDED THAT THE LOCATIONS BE FIELD VERIFIED. LACKING EXCAVATION, THE EXACT LOCATION OF SUBSURFACE FEATURES CANNOT BE ACCURATELY, COMPLETELY AND RELIABLY DETERMINED. WHERE ADDITIONAL OR MORE DETAILED INFORMATION IS REQUIRED, THE CLIENT IS ADVISED THAT EXCAVATION IS RECOMMENDED.

10.- ADDITIONAL ELEVATION LOCATED IN THE POINTS LAYER OF THE DIGITAL DRAWING FILE.

	LEGE	ND	
	U.G. CABLE METRONET	0	U.G. CABLE ACCESS
	U.G. CABLE SPECTRUM	C	U.G. CABLE PEDESTAL
	U.G. CABLE WINDSTREAM	Ε	ELECTRIC TRANSFORMER
	U.G. CABLE WINDSTREAM	$\langle E \rangle$	ELECTRIC METER
	U.G. ELECTRIC	E	U.G. ELECTRIC RECEPTACLE
	U.G. NATURAL GAS	G	GAS METER
	U.G. WATER	$\overline{}$	GAS VALVE
	U.G. SANITARY SEWER	W	WATER METER
	U.G. STORM SEWER	\bowtie	WATER VALVE
	OVER HEAD UTILITY		FIRE HYDRANT
	EASEMENT LINE		WATER SPIGOT
	ADJOINING PROPERTY		SPRINKLER HEAD
	PROPERTY LINE	\times	IRRIGATION VALVE
	C.L. OR W.W. FENCE	D	SURFACE INLET
	BOARD FENCE		ROOF DRAIN
	SETBACK LINE	D	STORM SEWER MANHOLE
	C.L. CREEK OR STREAM ED	GE <mark>S</mark>	SANITARY SEWER MANHOLE
-	GUARD RAIL	Co	SANITARY SEWER CLEAN OUT
٦L	FLOW LINE ELEVATION	•	GROUND LIGHT
′R	TOP OF RIM ELEVATION	ø	UTILITY POLE
′C	PLASTIC PIPE		LIGHT POLE
P	REINFORCED CONC. PIPE	IPF 🖲	IRON PIN FOUND
ΓL	METAL PIPE	IPF 😑	CRIMP TOP PIPE FOUND
P	VITRIFIED CLAY PIPE	MGF $ riangle$	MAG NAIL FOUND
W	RIGHT OF WAY	IPS 🖸	IRON PIN SET
.L.	CHAIN LINK	MGS 🔻	MAG NAIL SET
W.	WOVEN WIRE	CP 🕀	CONTROL POINT
G.	UNDERGROUND		
	3" TO 10" TREE		
	11" TO 19" TREE		

20" TO 36" TREE

— NHP ——

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UTILITY PROVIDERS

KENTUCKY UTILITIES

2300 RICHMOND RD.

1 QUALITY STREET

COMPANY

COLUMBIA GAS OF KENTUCKY 2001 MERCER RD.

WINDSTREAM 130 NEW CIRCLE RD.

METRONET 130 W. TIVERTON WAY

SPECTRUM 2450 NICHOLASVILLE RD.



Know what's **below. 811 before you dig.**



NEW ELEMENTARY S(4/26/2024 6:47:08 AM

	INFORMATION SHOWN THEREON. CONTRACTOR TO VERIFY ALL INFORMATION SHOWN. THE CONTRACTOR AND PROTECT ALL UTILITIES PRIOR TO THE COMMENCEMENT OF DIGGING. NOTIFY THE LANDSCAPE ARCHITE
В.	THE CONTRACT DRAWINGS SHOW THE APPROXIMATE LOCATION OF EXISTING AND PROPOSED UTILITY LINES. IDENTIFIED AND LOCATED AS ACCURATELY AS POSSIBLE USING AVAILABLE INFORMATION. THE CONTRACTO VERIFYING ALL ACTUAL UTILITY LOCATIONS.
С	. THE DESIGNATED CONCRETE WASH OUT PIT SHALL BE CLEANED AND ALL CONCRETE AND ASSOCIATED DEBI HAULED OFF SITE AT THE CONCLUSION OF ALL CONCRETE CONSTRUCTION WORK.
D.	LIMIT CONSTRUCTION ACCESS TO THE SITE TO THE LOCATION INDICATED AS AN ACCESS DRIVEWAY. TEMPO CONSTRUCTION VEHICLES SHALL BE GRAVELED A MINIMUM OF 6" DEPTH WITH FILTER FABRIC PLACED BETWE DISTANCE OF 100 FEET INTO THE SITE AND MAINTAINED IN GOOD CONDITION THROUGHOUT THE CONSTRUC DRIVE TO THE SITE SHALL BE MAINTAINED BY THE CONTRACTOR TO MINIMIZE THE ACCUMULATION OF MUD, I CAUSED BY THE CONTRACTOR'S OPERATIONS. THE DRIVE AND ROAD SHALL BE CHECKED DAILY AND CLEAR REQUIRED TO MAINTAIN THIS CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
E.	PRIOR TO BEGINNING GRADING OPERATIONS, SURROUND ALL DRAINAGE INLET STRUCTURES WITH ROCK BA FENCE FOR SILT CONTROL, SEE DETAIL A & B/L600 AND PROVIDE CHECK DAMS AT ALL DRAINAGE SWALES. OPERATING CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. REMOVE AFTER SURROUNDING PERM, ESTABLISHED OR SURROUNDING PAVEMENT IS INSTALLED. THE CONTRACTOR SHALL MAINTAIN ALL STORM D FUNCTION THROUGHOUT THE CONSTRUCTION PERIOD.
F.	SILT FENCING SHALL BE INSTALLED PRIOR TO THE BEGINNING OF GRADING OPERATIONS AND MAINTAINED TO CONSTRUCTION PERIOD UNTIL PERMANENT VEGETATION IS ESTABLISHED, SEE DETAIL A/L600. REFER TO PLAN LOCATIONS. MAINTENANCE INCLUDES INSPECTION ONCE PER WEEK, IMMEDIATELY AFTER EACH RAINFALL O DAILY DURING PROLONGED PERIODS OF RAIN. REPAIR ANY UNDERCUTTING OR END RUNS. REPLACE DAM, PROMPTLY. REMOVE SEDIMENT DEPOSITS WHEN DEPOSITS REACH APPROXIMATELY 1/2 THE HEIGHT OF THE B OF BARRIER, GRADE OUT ANY DEPOSITS TO CONFORM TO EXISTING SURROUNDING GRADE, AND SOD THE A
G	. TO REDUCE EROSION, MUD AND DUST FROM EXPOSED SOIL AREAS, TEMPORARY SEEDING SHALL BE DONE C LAWN AND LANDSCAPE AREAS WHERE ADDITIONAL GRADING WORK IS NOT SCHEDULED FOR A PERIOD OF AND RE-SEED AS NEEDED THROUGHOUT CONSTRUCTION PERIOD UNTIL FINISH GRADES ARE ESTABLISHED.
Н.	STOCKPILED TOPSOIL SHALL BE PROTECTED FROM WIND AND WATER EROSION BY TEMPORARY VEGETATIVE PROVIDE SILT FENCING AT THE PERIMETER OF STOCKPILES TO PREVENT SEDIMENT RUNOFF. MAINTAIN VEGET, UNTIL TOPSOIL STOCKPILES ARE REMOVED.
١.	THE CONTRACTOR SHALL OBTAIN A STORM WATER PERMIT / SUBMITTING A NOTICE OF INTENT (NOI) TO THE K AND ANY APPLICABLE PERMITS FROM STATE AND LOCAL GOVERNING AGENCIES. IN ADDITION, THE CONTR CONSTRUCTION AND MAINTENANCE SHOWN ON THIS PLAN AS PART OF THE CONTRACT SCOPE OF WORK.
J.	THE CONTRACTOR IS RESPONSIBLE FOR KEEPING AN ON SITE MAINTENANCE LOG OF ALL EROSION CONTRODURING THE ENTIRE CONSTRUCTION PERIOD, THE CONTRACTOR'S SUPERINTENDENT OR OTHER DULY AUTHOR SHALL INSPECT ALL BMP'S AS LISTED IN THE LOG BOOK, NOTE THE CONDITION AND PERFORMANCE OF EACH ACTION FOR EACH BMP AS REQUIRED.
К.	BEST MANAGEMENT PRACTICES (BMP) MANUAL IN ADDITION TO THIS PLAN, THE CONTRACTOR SHALL COME 'KENTUCKY BEST MANAGEMENT PRACTICES FOR CONSTRUCTION ACTIVITIES,' CURRENT ADDITION, PREPARED CONSERVATION AND OF WATER. THE CONTRACTOR SHALL ALSO COMPLY WITH THE KENTUCKY EROSION PI CONTROL FIELD GUIDE, CURRENT EDITION. THE CONTRACTOR SHALL MAKE APPROPRIATE MODIFICATIONS T ACHIEVE THE PLAN GOAL OF MINIMIZING EROSION AND SEDIMENTATION. ANY SUCH CHANGES ARE SUBJEC LANDSCAPE ARCHITECT.
L.	DURING THE CONSTRUCTION PERIOD THE CONTRACTOR WILL PROMPTLY REPAIR, REBUILD, REPLACE, CLEAN ANY BMP'S THAT REQUIRE ATTENTION OR THAT DO NOT PERFORM AS REQUIRED. THE CONTRACTOR WILL NO WHAT MAINTENANCE OR RECONSTRUCTION WAS REQUIRED AND ANY ACTION TAKEN.

BMP SCHEDULE				
ELEMENT	TIMING / DURATION			
	INSTALL AT BEGINNING OF GRADING OPERATIONS.			
SILI FENCING	MAINTAIN UNTIL PERMANENT VEGETATION IS ESTABLISHED.			
	IMMED. AFTER ROUGH GRADING, LAWN & LANDSCAPE AI			
IEMPORART SEEDING	MAINTAIN UNTIL PERMANENT VEGETATION IS ESTABLISHED.			
TEMPORARY TOPSOIL	IMMED. AFTER TOPSOIL IS STRIPPED AND STOCKPILED.			
STOCKPILE SEEDING	MAINTAIN UNTIL STOCKPILES ARE REMOVED.			
SILT FENCING AT	IMMED. AFTER TOPSOIL IS STRIPPED AND STOCKPILED.			
STOCKPILE PERIMETERS	MAINTAIN UNTIL STOCKPILES ARE REMOVED.			
	CREATE AT BEGINNING OF GRADING OPERATIONS.			
DRAINAGE SWALES	PERMANENT FEATURE.			
CHECK DAMS	AS SOON AS SWALES ARE CREATED.			
IN SWALES	MAINTAIN UNTIL PERMANENT VEGETATION IS ESTABLISHED.			
CONSTRUCTION	INSTALL AT BEGINNING OF GRADING OPERATIONS.			
ACCESS DRIVES	MAINTAIN THROUGHOUT CONSTRUCTION PERIOD.			
SILT FENCE	INSTALL AT BEGINNING OF GRADING OPERATIONS.			
EXIST. INLET PROTECTION	MAINTAIN UNTIL PERMANENT VEGETATION IS ESTABLISHED.			
ROCK/SILT FENCE	AS SOON AS DRAINAGE INLETS ARE INSTALLED.			
NEW INLET PROTECTION	MAINTAIN UNTIL PERMANENT VEGETATION IS ESTABLISHED.			
	IMMEDIATELY AFTER FINISH GRADING.			
20D/2EED	PERMANENT FEATURE.			

SITE DEMOLITION NOTES:

- A. THE EXISTING TOPOGRAPHIC AND SITE INFORMATION SHOWN HAS BEEN PROVIDED BY AIM3D ENGINEERING. THIS INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION SHOWN THEREON. CONTRACTOR TO VERIFY ALL INFORMATION SHOWN; THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO UTILITIES SHOWN ON THE SURVEY.
- B. THE DRAWINGS SHOW THE APPROXIMATE LOCATION OF EXISTING AND PROPOSED UTILITY LINES. THESE LINES HAVE BEEN IDENTIFIED AND LOCATED AS ACCURATELY AS POSSIBLE USING AVAILABLE INFORMATION; THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL ACTUAL locations.
- C. SAWCUT EDGES OF EXISTING PAVEMENT WHERE NEW PAVEMENT ABUTS AND / OR EXISTING PAVEMENT IS INDICATED TO BE REMOVED.
- D. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. E. REFER TO ADDITIONAL SHEETS FOR INFORMATION AND REQUIREMENTS.
- F. THE CONTRACTOR SHALL INSTALL AND MAINTAIN TREE PROTECTION FENCING WHERE INDICATED AND FOR ALL EXISTING TREES WITHIN THE LIMITS OF THE CONSTRUCTION FENCING. TREE PROTECTION FENCING SHALL BE CONSTRUCTED OF SAFETY FENCE WITH STEEL 'T' SECTION FENCE POSTS SPACED AT 6' MAXIMUM; LIMIT OF FENCE TO ALIGN WITH CANOPY / DRIP EDGE OF TREES TO AVOID DAMAGE TO EXISTING TREES DURING CONSTRUCTION.
- G. UNLESS OTHERWISE INDICATED TO BE REMOVED, ALL ITEMS ARE TO REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. CONTRACTOR SHALL REPAIR ANY DAMAGES TO OFF OR ONSITE PROPERTY THAT IS NOT LISTED TO BE REMOVED AT NOT ADDITIONAL COST TO THE OWNER.
- H. THE CONTRACTOR SHALL MAINTAIN STORM DRAINAGE SYSTEMS TO FUNCTION THROUGHOUT THE CONSTRUCTION PERIOD. I. SEE ESC DRAWING FOR STORM WATER POLLUTION PREVENTION.
- J. THE CONTRACTOR SHALL PROVIDE ACCESS AND A SAFE ROUTE TO THE SOCCER FIELDS AND CENTENARY PROPERTY THROUGHOUT THE DURATION OF THE PROJECT.
- K. <u>CONTRACTOR SHALL JET ALL STORM LINES WITHIN THE SITE TO REMOVE ALL SEDIMENTATION. LINES SHALL BE CAMERA INSPECTED AND A REPORT GENERATED.</u> <u>REPORT AND VIDEO INSPECTION SHALL BE PROVIDED TO OWNER AND ENGINEER.</u> <u>REPORT SHALL INCLUDE</u> CONDITION ANALYSIS OF PIPES, DOCUMENTATION OF ALL CONNECTIONS, DEPTH OF LINES AND LOCATION WITH SCALED SITE MAP. ALL EXCAVATION/EXPLORATION FOR THE COMPLETION OF REPORT SHALL BE INCIDENTAL. THIS WORK SHALL BE COMPLETED PRIOR TO THE ORDERING OF MATERIAL OR INSTALLATION OF LINES AND STRUCTURES.

SITE DEMOLITION KEYNOTES

2. REMOVE EXISTING ASPHALT AND BASE AND LEGALLY DISPOSE OF OFFSITE.

EXISTING ASPHALT PAVEMENT TO BE REMOVED- FULL PAVEMENT SECTION

EXISTING TREE LINE TO BE REMOVED

EXISTING TREE TO BE REMOVED, SEE KEYNOTES AND SPECIFICATIONS 'SITE

2380 NEW ELEMENTARY SC 4/26/2024 6:47:08 AM

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SITE _____

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EGRA	ding notes:				Z T	
EXISTING TOPO VIDED FOR THI ORMATION SHO	OGRAPHIC AND SITE INFORMATION SHOWN HAS E CONVENIENCE OF THE CONTRACTOR. THE ARC DWN THEREON. CONTRACTOR TO VERIFY ALL INF	BEEN PROVIDED FROM A CHITECT SHALL NOT BE RI ORMATION SHOWN.	SURVEY BY AIM3D. THIS INFORMATION IS SPONSIBLE FOR THE ACCURACY OF THE	5	M M M M M M M M M M M M M M M M M M M	E C T S
DRAWINGS SH CATED AS ACC CATIONS.	OW THE APPROXIMATE LOCATION OF EXISTING A URATELY AS POSSIBLE USING AVAILABLE INFORM/	ND PROPOSED UTILITY LI ATION; THE CONTRACTO	NES. THESE LINES HAVE BEEN IDENTIFIED A R IS RESPONSIBLE FOR VERIFYING ALL ACT	ND UAL	HAA Hax Hea	C H I T
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AINAGE STRUCT R PROPOSED D D PROPOSED S	TURES. FIELD VERIFY ELEVATIONS PRIOR TO INSTAL DRAINAGE PIPE, PIPE LENGTHS & SLOPES ARE APPI TORM STRUCTURES.	lation of storm stru Roximate & should be	CTURES. ADJUSTED AS NECESSARY TO MEET EXISTII	١G		0
ADE ALL NEW F	PAVEMENTS TO DRAIN. GRADE ALL NEW WALKS A DPE UNLESS OTHERWISE SPECIFICALLY INDICATED	at max. 2% cross slop on plans to be a ram	e. grade all new walks to max. 5% P.			
ENLARGED PL	ANS FOR ADDITIONAL SPOT ELEVATIONS. (ALES SHALL BE SODDED WITH MIN. 6' WIDE SOD F	OR FULL LENGTH OF SW,	ALE.			0508 site.com
<u>MEP DRAWING</u>	GS FOR FINAL LOCATIONS AND INVERT ELEVATIO		<u>I LINES</u>	DA		ington, ky 4 859.389.6533 359.389.6534 859.389.6534 ww.element-
ORT GENERATE NDITION ANAL CAVATION/EXPL	ED. REPORT AND VIDEO INSPECTION SHALL BE PR YSIS OF PIPES, DOCUMENTATION OF ALL CONNEC LORATION FOR THE COMPLETION OF REPORT SHA	OVIDED TO OWNER AND CTIONS, DEPTH OF LINES LLL BE INCIDENTAL. THIS	DENGINEER. REPORT SHALL INCLUDE AND LOCATION WITH SCALED SITE MAP. WORK SHALL BE COMPLETED PRIOR TO TH	ALL E		<u>0</u> d ,
JERING OF MA	IERIAL OR INSTALLATION OF LINES AND STRUCTUR	<u>(ES.</u>				
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					JOB NO.	2380
					DATE	08/08/24
	- PROPOSED CONTOUR		NEW CATCH BASIN, SEE DETAIL XXX	_	DRAWN	BJM
+93.0	PROPOSED SPOT ELEVATION		TYPE F CURB INLET, SEE DETAIL XXX		CHECKED	BJM/EPM
ME TW	MATCH EXISTING TOP OF WALL		NEW DOWNSPOUT BOOT, SEE DETAIL		SHERMAN CARTER ARCHITECTS, PLLC	BARNHART
BW TC	BOTTOM OF WALL TOP OF CURB		XXX NEW CLEANOUT, SEE DETAIL XXX		REVISIONS No. Description	Date
BC TR	BOTTOM OF CURB TOP OF RAMP		NEW HEADWALL, SEE DETAIL XXX			
BR TS	BOTTOM OF RAMP TOP STAIR TREAD ELEVATION		NEW DIVERSION STRUCTURE SEE DETAIL			
BS LP	BOTTOM STAIR TREAD ELEVATION		XXX WATER QUALITY UNIT			
HP / _ N N					SHEET	
STRM	NEW STORM LINE, SEE DETAIL ON L600					
	NEW SUBDRAIN, SEE KEYNOTES				1 2	

RIP RAP CHANNEL LINING, SEE DETAIL XXX (SIMILAR)

SITE DRAINAGE NOTES:

- A. THE EXISTING TOPOGRAPHIC AND SITE INFORMATION SHOWN HAS BEEN PROVIDED FROM A SURVEY BY AIM3D. THIS INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION SHOWN THEREON. CONTRACTOR TO VERIFY ALL INFORMATION SHOWN.
- B. THE DRAWINGS SHOW THE APPROXIMATE LOCATION OF EXISTING AND PROPOSED UTILITY LINES. THESE LINES HAVE BEEN IDENTIFIED AND LOCATED AS ACCURATELY AS POSSIBLE USING AVAILABLE INFORMATION; THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL ACTUAL LOCATIONS.
- C. PROTECT EXISTING TREES FROM POTENTIAL DAMAGE OF CONSTRUCTION OPERATIONS. STEEPEN GRADES UPHILL FROM EXISTING TREES TO A MAX. OF 2:1 TO AVOID FILLING SOILS ONTO TRUNKS.
- D. UNLESS OTHERWISE INDICATED TO BE REMOVED, ALL ITEMS REMAINING WITHIN THE LIMIT OF CONTRACT ARE TO REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
- E. THE CONTRACTOR SHALL MAINTAIN STORM DRAINAGE SYSTEMS TO FUNCTION THROUGHOUT THE CONSTRUCTION PERIOD.F. PROPOSED GRADES SHOWN ARE FINISHED GRADES.
- G. LIMIT OF GRADING EXTENTS TO INCLUDE ALL AREAS DISTURBED BY ALL SITE UTILITY WORK, REFER TO SITE UTILITY DRAWINGS FOR LOCATIONS OF PROPOSED SITE UTILITIES.
- H. REFER TO SPECIFICATION / PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- ADJUST RIM ELEVATIONS OF ALL EXISTING STRUCTURES TO MATCH PROPOSED FINISHED GRADES.
 ALL EXISTING LAWN AREAS DISTURBED BY CONSTRUCTION INCLUDING BUT NOT LIMITED TO GRADIN
- J. <u>ALL EXISTING LAWN AREAS DISTURBED BY CONSTRUCTION</u> INCLUDING BUT NOT LIMITED TO GRADING & EARTHWORK AND SITE UTILITY WORK <u>ARE TO BE SEEDED</u> UNLESS OTHERWISE INDICATED. EXTEND LIMITS OF SEEDING TO INCLUDE ALL AREAS DISTURBED BY CONSTRUCTION. SEE SPECIFICATIONS 'LAWNS AND GRASSES' FOR FINE GRADING AND SEEDING REQUIREMENTS.
 K. <u>PROVIDE EROSION CONTROL BLANKET FOR ALL SEEDED SLOPES 4:1 OR STEEPER.</u> SEE SPECIFICATIONS AND SWPP PLAN FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- L. FOR PROPOSED DRAINAGE STRUCTURES, INVERT ELEVATIONS ARE APPROXIMATE AND BASED ON INFORMATION PROVIDED FOR EXISTING DRAINAGE STRUCTURES. FIELD VERIFY ELEVATIONS PRIOR TO INSTALLATION OF STORM STRUCTURES.
- M. FOR PROPOSED DRAINAGE PIPE, PIPE LENGTHS & SLOPES ARE APPROXIMATE & SHOULD BE ADJUSTED AS NECESSARY TO MEET EXISTING AND PROPOSED STORM STRUCTURES.
 N. GRADE ALL NEW PAVEMENTS TO DRAIN. GRADE ALL NEW WALKS AT MAX. 2% CROSS SLOPE. GRADE ALL NEW WALKS TO MAX. 5%
- O. SEE ENLARGED PLANS FOR ADDITIONAL SPOT ELEVATIONS.
- P. ALL DRAINAGE SWALES SHALL BE SODDED WITH MIN. 6' WIDE SOD FOR FULL LENGTH OF SWALE.
- Q. SEE MEP DRAWINGS FOR FINAL LOCATIONS AND INVERT ELEVATIONS OF UNDERSLAB DRAIN LINES
 R. CONTRACTOR SHALL JET ALL STORM LINES WITHIN THE SITE TO REMOVE ALL SEDIMENTATION. LINES SHALL BE CAMERA INSPECTED AND A REPORT GENERATED. REPORT AND VIDEO INSPECTION SHALL BE PROVIDED TO OWNER AND ENGINEER. REPORT SHALL INCLUDE CONDITION ANALYSIS OF PIPES, DOCUMENTATION OF ALL CONNECTIONS, DEPTH OF LINES AND LOCATION WITH SCALED SITE MAP. ALL EXCAVATION/EXPLORATION FOR THE COMPLETION OF REPORT SHALL BE INCIDENTAL. THIS WORK SHALL BE COMPLETED PRIOR TO THE ORDERING OF MATERIAL OR INSTALLATION OF LINES AND STRUCTURES.
- S. ALL STORM STRUCTURE SIZES ARE APPROXIMATE. CONTRACTOR TO PROVIDE STRUCTURE SIZE TO ACCOMMODATE ALL PIPES ENTERING AND EXITING THE STRUCTURE AT NOT ADDITIONAL COST TO THE OWNER.

SITE DRAINAGE KEYNOTES

- 1. EXISTING STORM STRUCTURE. PROTECT INLET THROUGHOUT CONSTRUCTION OR UNTIL INLET IS REMOVED.
- 2. NEW STORM STRUCTURE TO BE INSTALLED, PROTECT IMMEDIATELY UPON INSTALLATION. REFER TO DRAINAGE PLAN FOR STRUCTURE TYPE & LOCATION.
- 3. MATCH EXISTING ELEVATION AT ALL PAVEMENT TRANSITIONS
- 4. 6" SUBDRAIN WITH SOCK TO CONNECT TO STORM WITH MANUFACTURERS STANDARD FITTINGS. TRANSITION TO 6" SOLID HDPE OR PVC PIPE UNDER WALKS, THROUGH WALLS, UNDER PARKING LOT ISLANDS, ETC. AND CONNECT TO NEAREST STORM STRUCTURE.
- 5. CONNECT ROOF DRAIN TO SOLID DRAIN PIPE. REFER TO MEP PLANS FOR EXACT LOCATION.
- 6. CONNECT CANOPY DOWNSPOUT WITH SOLID DRAIN PIPE. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
- 7. FOUNDATION DRAIN AROUND BASEMENT. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION. CONNECT TO NEAREST STORM STRUCTURE WITH MINIMUM SLOPE OF 0.5%
- 8. EXISTING POND OUTLET PIPE TO BE MODIFIED.
- EXISTING OVERFLOW BERM ON POND TO BE MODIFIED. ADD 4" HIGH BY 10' WIDE OF COMPACTED SOIL ALONG TOP OF BERM FOR A MINIMUM LENGTH OF 100' AND PROTECT WITH EROSION CONTROL MATTING IMMEDIATELY.
 NEW POND OVERFLOW LOCATION. ADD RIP RAP/CHANNEL LINING PROTECTION AS SHOWN. MINIMUM WIDTH 10' WIDE.
- 11. AT INFILTRATION BASIN HEADWALLS, PROVIDE A U'SHAPED BERM OF RIP RAP/ CHANNEL LINING PER DETAIL H/L3.03

SITE GRADING/DRAINAGE LEGEND

		- PROPOSED CONTOUR	OS	NEW OU
	+93.0	PROPOSED SPOT ELEVATION	JB	NEW CA
	FV	FIELD VERIFY		SIRUCIU
	BC	BOTTOM OF CURB	Ø YI	NEW YA STRUCTL
	TC	TOP OF CURB	DS	DIVERSIC SEE DETA
	BW	BOTTOM OF WALL		WATER (
	ΤW	TOP OF WALL	V WQU	SEE DETA
	BoR		CI	NEW TYP
	D.0.1X			
	T.o.R.	TOP OF RAMP		
/		DRAINAGE DIRECTION		OUTLET F
•	V V			6'' NEW F

1 FIRST FLOOR KEY PLAN 1/16" = 1'-0"

1 SECOND FLOOR KEY PLAN

2380 NEW ELEMENTARY SCHOOL ON GREENDALE ROA 9/10/2024 7:11:08 AM

2380 NEW ELEMENTARY S 9/10/2024 8:12:34 AM

	GENERAL ELEVAT
	BUILDING ELEVATIONS SHOWN ON THIS DRAWI REFERENCE PURPOSES ONLY. REFER TO REF
	A. MATERIALS INDICATIONS AND DESCRIPTION DIMENSIONS SHOWN ON ONE BUILDING ELI BUILDING ELEVATIONS WHERE SHOWN UNI
A5.1	B. LINES REPRESENTING PAVING AND FINISH ARE SHOWN FOR REFERENCE PURPOSES SPECIFIC GRADE AND SPOT ELEVATIONS A
	C. REFER TO FLOOR PLANS FOR DOOR LOCAT FULL EXTENT AND COMPLETE DESCRIPTION PORTIONS OF DOORS, WINDOWS AND STO OTHER BUILDING FEATURES SHOWN.
	D. REFER TO FLOOR PLANS FOR SPECIFIC ALL WINDOW ELEVATIONS ON SHEET A5.1
	E. ALL EXTERIOR GLAZING SHALL BE 1" INSUL/
	F. ALL EXPOSED NEW EXTERIOR MASONRY SI SPECIFIED WATER REPELLENT.
	G. ALL EXPOSED EXTERIOR METAL SUCH AS F DOWNSPOUTS AND LADDERS SHALL RECENT APPLIED FINISH COATING.
	🖄 ELEVATION KE
	NOTE: NOT ALL NOTES APPLY TO THIS SHEET.
	2. BRICK SOLDIER COURSE - TYPE "A" ACCEN
	3. PRE-FINISHED METAL WALL PANEL TYPE 'A SPECIFICATIONS
	 4. PRE-FINISHED METAL WALL PANEL TYPE 'B SPECIFICATIONS
4	5. PRE-FINISHED METAL WALL PANEL TYPE 'C SPECIFICATIONS
A5.1	6. PRE-FIN. METAL SUNSHADE - SEE DETAILS
	 PRE-FINISHED METAL COPING - REFER TO 8. ROOF HATCH WITH GUARD RAILS
	9. PRE-ENGINEERED METAL CANOPY
	10. PRE-FINISHED ALUM. STOREFRONT SYSTE FOR FRAME TYPES
	11. PRE-FINISHED ALUMINUM CURTAINWALL S
	12. PAINTED GALVANIZED HOLLOW METAL INS
	13. ALUMINUM SCHOOL LETTERS, REFER TO S
	14. CONTROL / BRICK EXPANSION JOINT
	15. ROOF ASSEMBLY TYPE "A" 16. EXTERIOR CANOPY, ROOF ASSEMBLY TYPE
	17. STEEL CANOPY COLUMN
	18. ROOF LADDER PER OSHA STANDARDS
	19. CONC. STOOP OR WALK - REFER TO SITE D
	20. MECHANICAL LOUVER - SEE DE TAIL <u>K & L7</u> 21. FAN - REFER TO MECH.
	22. PRE-FIN. SHEET METAL FLASHING
	23. LINE OF FINISH FLOOR
	24. GRADE LINE, REFER TO SITE DRAWINGS
	ELEVATION M
	LEGEN
LEMENTARY SCHOOL	INDICATES FIELD BRICK
	INDICATES HORIZ.
	L

GENERAL ELEVATION NOTES ZĽ **A R A** 9 GELEVATIONS SHOWN ON THIS DRAWING ARE INTENDED FOR GENERAL NCE PURPOSES ONLY. REFER TO REFERENCED SECTIONS AND DETAILS ∑шТ RE FULLY DESCRIBED CONDITIONS AND REQUIREMENTS. α⊢z шкк ERIALS INDICATIONS AND DESCRIPTIONS, VERTICAL AND OTHER NSIONS SHOWN ON ONE BUILDING ELEVATION APPLY TO OTHER DING ELEVATIONS WHERE SHOWN UNLESS NOTED OTHERWISE. ັນດີ 🖉 S REPRESENTING PAVING AND FINISH GRADES ARE APPROXIMATE AND SHOWN FOR REFERENCE PURPOSES ONLY. REFER TO SITE PLANS FOR CIFIC GRADE AND SPOT ELEVATIONS AT EACH RESPECTIVELY. R TO FLOOR PLANS FOR DOOR LOCATIONS AND DOOR SCHEDULE FOR EXTENT AND COMPLETE DESCRIPTION OF DOOR AND FRAME TYPES. IONS OF DOORS, WINDOWS AND STOREFRONTS MAY BE CONCEALED BY R TO FLOOR PLANS FOR SPECIFIC ALUMINUM WINDOW TYPES AND EXTERIOR GLAZING SHALL BE 1" INSULATED U.N.O. REFER TO SPECS. EXPOSED NEW EXTERIOR MASONRY SHALL RECEIVE APPLICATION OF EXPOSED EXTERIOR METAL SUCH AS FLASHINGS, COPINGS, GUTTERS NSPOUTS AND LADDERS SHALL RECEIVE THE SPECIFIED FIELD OR SHOP ELEVATION KEY NOTES IOT ALL NOTES APPLY TO THIS SHEET. K SOLDIER COURSE - TYPE "A" ACCENT - PROJECTED 3/8" FINISHED METAL WALL PANEL TYPE 'A' - REFER TO DETAILS AND FINISHED METAL WALL PANEL TYPE 'B' - REFER TO DETAILS AND FINISHED METAL WALL PANEL TYPE 'C' - REFER TO DETAILS AND FIN. METAL SUNSHADE - SEE DETAILS FINISHED METAL COPING - REFER TO DETAILS 0 SCHO TUCK FINISHED ALUM. STOREFRONT SYSTEM, REFER TO SHEETS AX.X & AX.X FINISHED ALUMINUM CURTAINWALL SYSTEM, REFER TO SHEETS AX.X & Ż TED GALVANIZED HOLLOW METAL INSULATED DOOR & FRAME MINUM SCHOOL LETTERS, REFER TO SPECS. Ш X R AL NEW ELEMENTAF ON GREENDAL ERIOR CANOPY, ROOF ASSEMBLY TYPE "C" Ŭ Ŭ C. STOOP OR WALK - REFER TO SITE DWGS. Щ CHANICAL LOUVER - SEE DETAIL <u>K & L / X2.1</u> REFER TO MECH. DWGS. FAYE⁻ ELEVATION MATERIALS LEGEND INDICATES BRICK SOLDIER COURSE INDICATES HORIZ. INDICATES VERT. METAL PANEL METAL PANEL VATIONS ш Ш BUILDING 2380 JOB NO. 8/19/24 DATE DRAWN CHECKED COPYRIGHT © 2024 SHERMAN CARTER BARNHART ARCHITECTS, PLLC No. Description Date SHEET **A3.1**

INDICATES BRICK SOLDIER COURSE

INDICATES VERT. METAL PANEL

NEW ELEMENTARY S 9/10/2024 7:11:50 AM

NEW ELEMENTARY SCH 9/10/2024 8:13:42 AM

	1/2**	/1-0			
	MEC PLATF	CH. CORM		F 	
CORR.	RES (230)	RES (242)	CORR.		
	RES (147)	RES (159)			

GENERAL NOTES:

- 1. THE CONTRACTOR UNDER THIS SCOPE SHALL CONTACT ALL UTILITIES TO HAVE ALL EXISTING UNDER GROUND SERVICES MARKED. CONTRACTOR SHALL HAVE THE ABILITY TO LOCATE SERVICES USING THEIR OWN INSTRUMENTS. ANY DAMAGED UNDERGROUND UTILITIES UNDER THIS SCOPE DUE TO FAILURE TO LOCATE UTILITIES, WILL BE RESTORED TO ORIGINAL CONDITION AT NO ADDITIONAL COST TO OWNER.
- 2. THE CONTRACTOR UNDER THIS SCOPE SHALL BE REQUIRED TO COORDINATE THE INSTALLATION OF BORINGS AND LATERALS WITH ALL OTHER PROPOSED SITE UTILITIES AND SITE DRAINAGE. THIS INCLUDES BUT IS NOT LIMITED TO SCHEDULING.
- 3. INSTALL GEOTHERMAL BORE HOLES AT 20'-0" ON CENTER. REFER TO WELL FIELD LOOP SCHEDULE FOR DEPTHS.
- 4. CONTRACTOR UNDER THIS SCOPE SHALL BRING THE DISTURBED AREAS OF WELL FIELD AND LATERALS BACK TO WITHIN 12" OF FINAL GRADE. COORDINATE WITH CIVIL
- 5. CONTRACTOR UNDER THIS SCOPE SHALL KEEP A DETAILED DRILL LOG. DRILL LOG SHALL INCLUDE A LOG FOR EACH BORING. LOG SHALL INDICATE BORE DIAMETER. EARTH CONDITIONS DURING DRILLING, WATER(GPM), GAS(PPM), LINEAR FEET OF CASING IF REQUIRED. DRILL LOG SHOULD INCLUDE GPS COORDINATES OF BORE HOLE UNLESS OTHER MEANS OF SURVEY/MARKING IS PROVIDED. 6. (2) GEOTHERMAL TEST WELLS WERE DRILLED ON SITE. THE FOLLOWING ARE THE
- 0' 1' ASPHALT
- 1' 10' CLAY 10' - 80' - LIMESTONE - HARD
- 80' 400' LIMESTONE
- * VERTICAL BORING RESULTED IN 3GPM WATER AT 80 81'
- 7. CONTRACTOR(S) RESPONSIBLE FOR FIRE PROTECTION AND DOMESTIC WATER SERVICES SHALL COORDINATE INSTALLATION WITH ALL OTHER TRADES. REFER TO
- ENTIRE SET OF CONTRACT DOCUMENTS FOR SITE UTILITIES. 8. GEOTHERMAL INSTALLER SHALL REVIEW ALL CIVIL DRAWINGS FOR GRADES AND

○ SHEET KEYNOTES:

- PROVIDE AND INSTALL A GEOTHERMAL HEADER VAULT, PER DETAILS ON THIS SHEET. COORDINATE WITH PLUMBING
- CONTRACTOR TO INSTALL VAULT SUMP PUMP. HEAT PUMP SUPPLY AND RETURN PIPING INTO BUILDING. REFER TO FIRST FLOOR PLAN AREA A - MECHANICAL PIPING, ON SHEET M201a, FOR CONTINUATION.
- 3. SUMP PUMP DISCHARGE LINE TO BE ROUTED AND DISCHARGED TO MAIN TRENCH LINE OR TO NEAREST STORM DRAIN INLET.
- 4. ROUTE 6" HPS AND HPR AS INDICATED. REFER TO DETAILS FOR ADDITIONAL REQUIREMENTS.
- PROVIDE A 1,000 GALLON GREASE TRAP FOR CULINARY PROGRAM WHERE INDICATED. REFER TO PLUMBING SCHEDULES AND DETAILS FOR ADDITIONAL REQUIREMENTS.
- 6. NEW SANITARY CONNECTION FROM GREASE TRAP TO EXISTING MANHOLE. REFER TO CIVIL DRAWINGS FOR THIS WORK.
- 7. NEW GAS METER ASSEMBLY BY COLUMBIA GAS. CONNECTED
- LOAD: 17,089 CFH. DELIVERY PRESSURE 2.0 PSI. 8. CONTRACTOR SHALL COORDINATE WITH NEW SANITARY AND EXISTING STORM PIPING FOR INSTALLATION OF NEW GEOTHERMAL PIPING.

WELL FIELD LOOP SCHEDULE

LOOP DESIGNATION	NO. OF WELLS	EACH WELL DEPTH	WELL SPACING	WELL PIPE SIZE Ø	GPM PER WELL	GPM PEI FIELD
	76	500'	20' O.C.	1-1/4"	7.5	577.5
2	124	500'	20' O.C.	1-1/4"	7.5	930
	UNDERGRO DETERMINE INSPECTIO CONSIDER INDIVIDUAL PRIOR TO F	BEFORE YO DUND UTILITY LOC ED FROM SITE SUI N OF THE PROPEF ED APPROXIMATE . UTILITY COMPAN	U DIG: (811) ATIONS WERE RVEY AND VISUAL RTY AND SHOULD ONLY. CONTACT IES AND "KY BUD"	BE ALL	Cent	ICK

UTILITIES CONTACTS:

- KY AMERICAN WATER: COLE MITCHAM (859)-335-3415
- SEWER: JEFF MALLEY (859)-258-3433
- COLUMBIA GAS: ANDY ELLIOT (859)-288-0285
- FIRE DEPARTMENT: CAPT. GREG LENGAL (859)-258-3963
- ELECTRIC KENTUCKY UTILITIES: TYLER SKAGGS (859)367-4217

GENERAL NOTES:

A. REFER TO SHEET E001 FOR GENERAL NOTES.

\bigcirc SHEET KEYNOTES:

- 1. NEW UTILITY TRANSFORMER
- 2. EMERGENCY GENERATOR
- 3. NEW OVERHEAD UTILITY LINE BY UTILITY
- 4. NEW UNDERGROUND PRIMARY
- 5. NEW UNDERGROUND SECONDARY SERVICE ENTRANCE CONDUITS
- NEW COMMUNICATION SERVICE CONDUITS UNDERGROUND TO MDF ROOM 157.
- 7. LIGHT POLE WITH CONCRETE BASE
- 8. PROVISIONS FOR FUTURE EV CHARGER INSTALLATION
- 9. FUTURE EV CHARGERS (N.I.C.)
- 10. CONNECTION FOR PORTABLE TRAILER/VEHICLE CONNECTION.
- 11. EXISTING OVERHEAD POLE LINE(S) REMOVED FOR RELOCATION BY UTILITY AS NECESSARY FOR NEW ROAD CONSTRUCTION. 12. EXISTING OVERHEAD UTILITY LINE(S) REMOVED BY UTILITY.

	SHERMAN	CARTER	BARNHART	ARCHITECTS			
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