

OLDHAM COUNTY BOARD OF EDUCATION

CONCERN

Consider Approval of Construction Documents for the Former Liberty Elementary School Demolition Project.

DISCUSSION


On January 22, 2024, the Board approved the Design Development and BG-2/BG-3 form for Former Liberty Elementary School Demolition and Site Improvements Project.

The Kentucky Department of Education requires that the Oldham County Board of Education approve the plans at various stages during the design process. The Construction Documents (attached) for the Former Liberty Elementary School Demolition Project has been reviewed by Brent Bohannon, Director of Facilities, and The Kleingers Group, and is recommended for approval.

RECOMMENDATION

Approve the Construction Documents for the Former Liberty Elementary School Demolition Project and hereby authorize the Director of Facilities Management to execute the necessary documentation.

On a motion by _____, seconded by _____, the Board approved the Construction Documents for the Former Liberty Elementary School Demolition Project and hereby authorize the Director of Facilities Management to execute the necessary documentation.



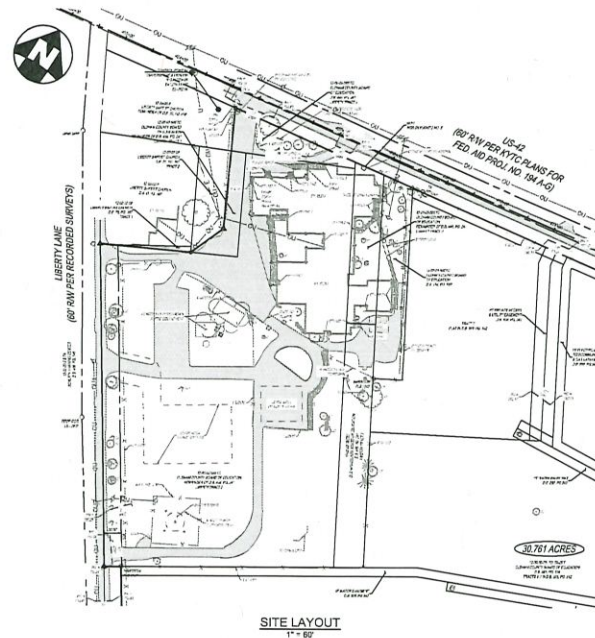
Suzanne Hundley, Board Chair



Dr. Jason Radford, Superintendent/Secretary

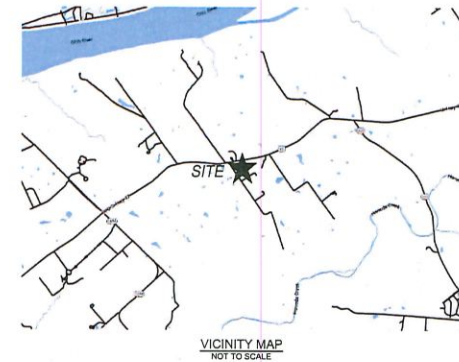
OLDHAM COUNTY - LIBERTY SCHOOL DEMOLITION

8120 W HIGHWAY 42
OLDHAM COUNTY, KY



SITE LAYOUT
1" = 60'

Sheet List Table	
Sheet Number	Sheet Title
C000	COVER SHEET
C001	DETAILS
C100	EXISTING CONDITIONS
C200	DEMOLITION PLAN
C300	GRADING PLAN
C400	EPSC PLAN
C401	EPSC NOTES
C402	EPSC DETAILS
D100	DEMOLITION - EXISTING BUILDING



SITE DATA:

OWNER OF RECORD: OLDHAM COUNTY SCHOOLS
6165 WEST KY 146
CRESTWOOD, KY 40014
(502) 241-3300

DEVELOPER: OLDHAM COUNTY SCHOOLS
6165 WEST KY 146
CRESTWOOD, KY 40014
(502) 241-3300

ENGINEERS/SURVEYOR: THE KLEINGERS GROUP
1100 ENVOY CIRCLE
LOUISVILLE, KENTUCKY 40299

SITE INFORMATION:

BOUNDARY: BASED ON FIELD WORK BY THE KLEINGERS GROUP

TOPOGRAPHY: BASED ON FIELD WORK BY THE KLEINGERS GROUP

PROJECT DESCRIPTION: DEMOLITION OF EXISTING BUILDING AND ASSOCIATED UTILITIES

PROJECT SCHEDULE: SPRING 2024 - SUMMER 2024

UTILITY CONTACTS:

ELECTRIC
LOUISVILLE GAS & ELECTRIC
800 W BROADWAY
LOUISVILLE, KY 40202
(502) 589-1444

WATER
OLDHAM COUNTY WATER DISTRICT
2160 SPENCER COURT
LOUISVILLE, KY 40031
(502) 222-1690

STORM & SANITARY
OLDHAM COUNTY STORMWATER
100 W JEFFERSON STREET
LOUISVILLE, KY 40031
(502) 540-6000

GAS
LOUISVILLE GAS & ELECTRIC
3300 ELDER PARK ROAD
LOUISVILLE, KY 40031
(502) 589-1444

NOTE:
UNDERGROUND UTILITIES ARE PLOTTED FROM A
COMPILED LIST OF AVAILABLE RECORD INFORMATION AND
SURFACE INDICATIONS OF UNDERGROUND STRUCTURES AND
MAY NOT BE INCLUSIVE. PRECISE LOCATIONS AND THE
EXISTENCE OR NON-EXISTENCE OF UNDERGROUND UTILITIES
CANNOT BE VERIFIED. PLEASE NOTIFY THE KENTUCKY
UTILITY PROTECTION SERVICE AT 811 OR 1-800-362-5844
BEFORE ANY PERIOD OF EXCAVATION OR CONSTRUCTION
ACTIVITY.

Kentucky 811
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THE KLEINGERS GROUP
CIVIL ENGINEERING
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www.kleingers.com
1100 Envy Circle
Louisville, KY 40299
502.241.3300

OLDHAM COUNTY SCHOOLS
SCHOOL FACILITY - EDUCATION - COMMUNITY

SEAL:
JAMES B. KLEINGERS
12893
Professional Engineer
State of Kentucky

NO. DATE DESCRIPTION
1 12/19/2023 CLIENT REVIEW
2 12/20/2023 ADD BUILDING DEMO PLAN - D100
3 02/09/2024 BID SET

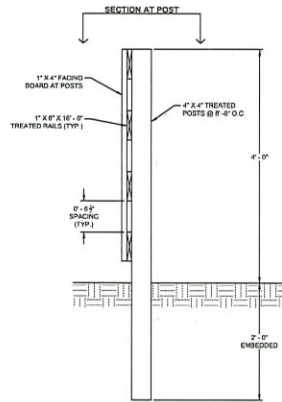
**OLDHAM COUNTY - LIBERTY
SCHOOL
DEMOLITION**
8120 W HIGHWAY 42
OLDHAM COUNTY, KENTUCKY

PROJECT NO: 220561.002
DATE: 12/20/2023

SCALE:
NO SCALE

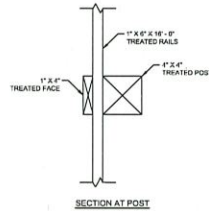
SHEET NAME:
COVER SHEET

SHEET NO:
C000

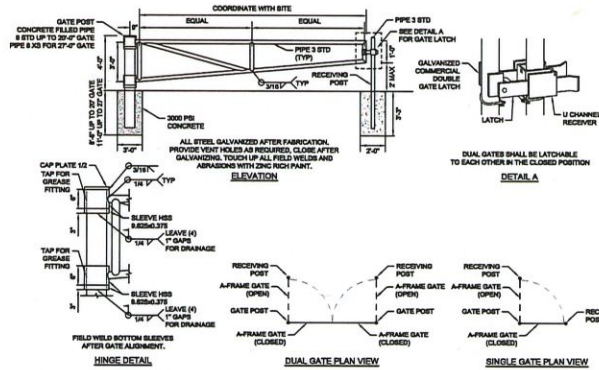


NOTES

1. JOINTS OF 16\"/>



4 BOARD WOOD FENCE DETAIL
N.T.S.



A-FRAME GATE DETAIL
N.T.S.

NOTE:
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OLDHAM COUNTY SCHOOLS
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SEAL:



NO.	DATE	DESCRIPTION
1	12/10/2023	CLIENT REVIEW
2	12/20/2023	AND BUILDING DEMO PLAN - D100
3	02/09/2024	BID SET

OLDHAM COUNTY - LIBERTY SCHOOL DEMOLITION
8120 W HIGHWAY 42
OLDHAM COUNTY, KENTUCKY

PROJECT NO. 220591.002
DATE: 12/20/2023

SCALE:
NO SCALE

SHEET NAME:

DETAILS

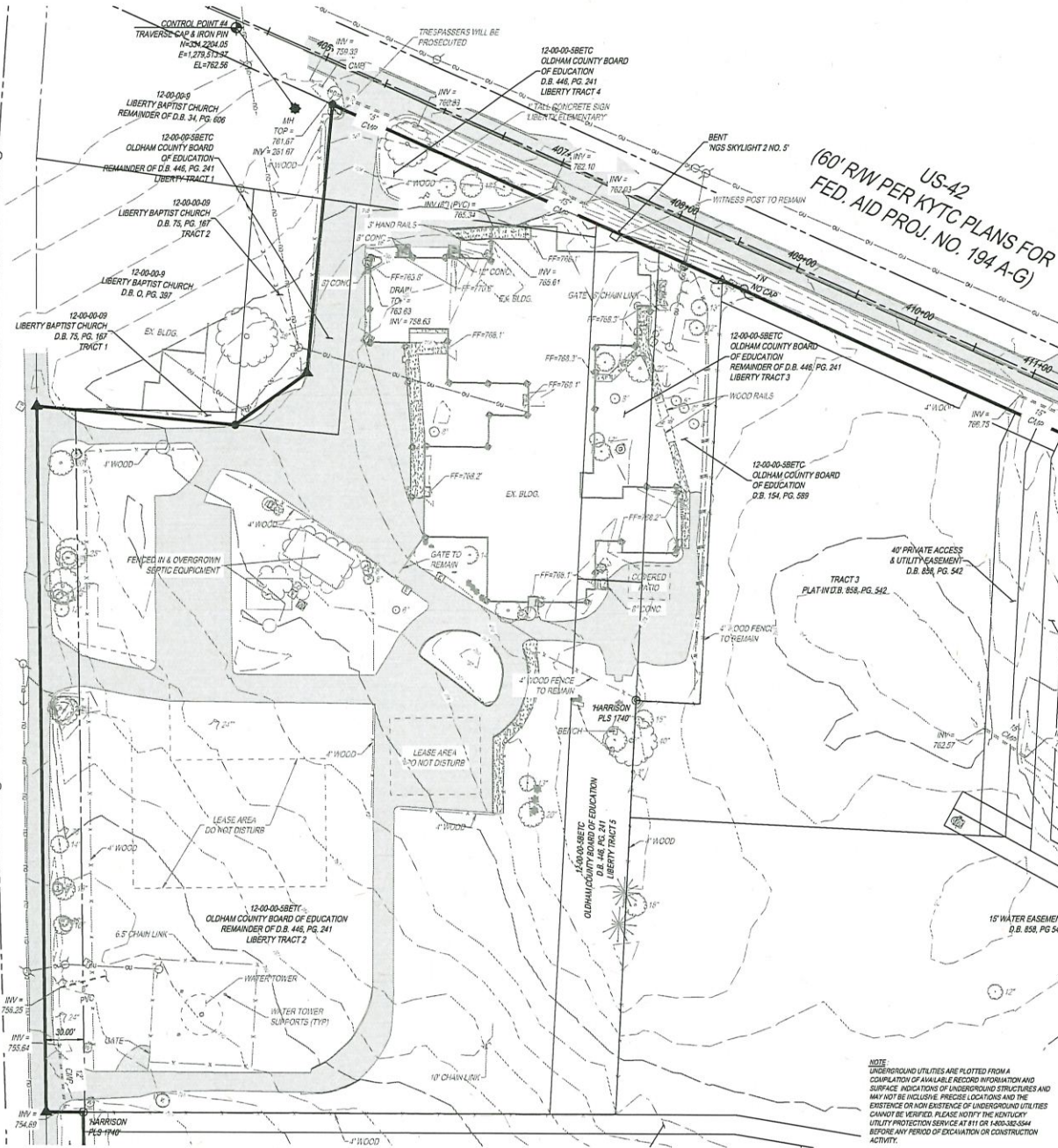
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C001

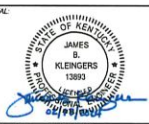
LIBERTY LANE
(60' RW PER RECORDED SURVEYS)

13-00-03-17A
SCHUTE TRAIL CENTER
D.B. 446, PG. 340

PROP COR
LS - 2508'



- LEGEND:**
- 12" IRON PIN FOUND
 - 12" CO PIPE FOUND
 - 4" ROUND CONCRETE MONUMENT FOUND
 - ▣ FOUND RAILROAD SPIKE
 - 12" IRON PIN SET
 - ▲ MAG NAIL SET
 - ◆ SITE BENCHMARK
 - ⬢ ELECTRIC BOX
 - ⊙ UTILITY POLE
 - ⊙ CUY WIRE
 - ⊙ CABLE TV BOX
 - ⊙ AC UNIT
 - ⊙ FENCE POST
 - ⊙ FLAG POLE
 - ⊙ CLEAN OUT
 - ⊙ SIGN (1 POST)
 - ⊙ SIGN (2 POSTS)
 - ⊙ STORM MANHOLE
 - ⊙ YARD DRAIN
 - ⊙ DOWNSPOUT
 - ⊙ PHONE PEDESTAL
 - ⊙ FIRE HYDRANT
 - ⊙ WATER VALVE
 - ⊙ WATER METER
 - ⊙ WATER SERVICE
 - ⊙ POST INDICATOR VALVE
 - ⊙ FIRE DEPARTMENT CONNECTION
 - ⊙ WATER MANHOLE
 - ⊙ GAS VALVE
 - ⊙ STUMP
 - ⊙ DECIDUOUS TREE
 - ⊙ PINE TREE
 - FENCE LINE
 - OVERHEAD UTILITIES
 - OVERHEAD ELECTRIC
 - WATER LINE
 - TREE LINE
 - STORM SEWER
 - ▨ ASPHALT
 - ▨ CONCRETE
 - ▨ GRAVEL



NO.	DATE	DESCRIPTION
1	12/15/2023	CLIENT REVIEW
2	12/20/2023	ADD BUILDING DEMO PLAN - D100
3	02/09/2024	RID SET

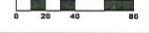
**OLDHAM COUNTY
- LIBERTY
SCHOOL
DEMOLITION**

OLDHAM COUNTY, KENTUCKY

PROJECT NO. 220551.002

DATE: 12/20/2023

SCALE: 1" = 20'



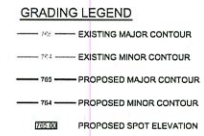
SHEET NAME:

EXISTING
CONDITIONS

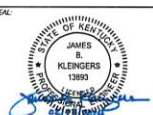
SHEET NO.

C100





OLDHAM
COUNTY SCHOOLS
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Q. DATE	DESCRIPTION
12/15/2023	CLIENT REVIEW
12/20/2023	ADD BUILDING DEMO PLAN - D1
02/09/2024	BID SET

**OLDHAM COUNTY
- LIBERTY
SCHOOL
DEMOLITION**
8120 W HIGHWAY 42
OLDHAM COUNTY, KENTUCKY

PROJECT NO.	220561.002
DATE:	12/20/2023

DATE:			
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GRADING PLAN

SHEET NO _____

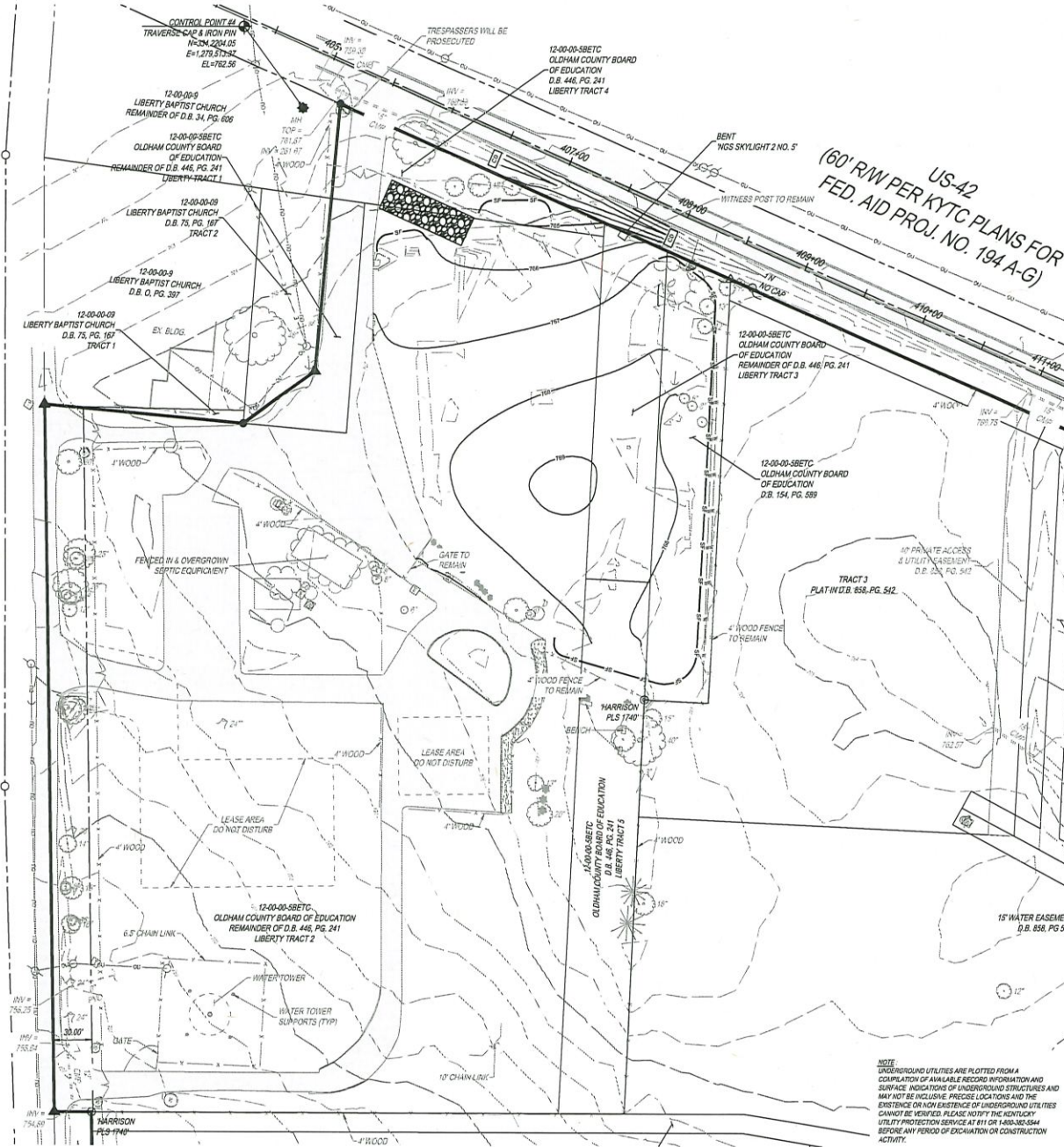
C300



LIBERTY LANE
(60' RW PER RECORDED SURVEYS)

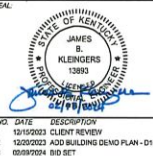
13-00-00-3.7A
SCHULTE TRAILING CENTER
D.B. 446, PG. 348

PROP COR
LS - 2200'



EROSION CONTROL LEGEND

- SILT FENCE
- CONSTRUCTION ENTRANCE
- ROCK CHECK DAM



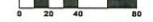
NO.	DATE	DESCRIPTION
1	12/10/2023	CLIENT REVIEW
2	12/20/2023	ADD BUILDING DEMO PLAN - D100
3	02/09/2024	BID SET

OLDHAM COUNTY - LIBERTY SCHOOL DEMOLITION
8120 W HIGHWAY 42
OLDHAM COUNTY, KENTUCKY

PROJECT NO. 220561.002

DATE: 12/20/2023

SCALE:



SHEET NAME:

EPSC PLAN

SHEET NO.

C400



PROJECT DESCRIPTION
DEMOLITION OF EXISTING SCHOOL IN OLDHAM COUNTY ALONG WITH GRADING AND ASSOCIATED UTILITIES

PROJECT DATA	
TOTAL SITE AREA	36.76 ACRES
TOTAL DISTURBED AREA	1.88 ACRES
EXISTING IMPERVIOUS AREA:	2.74 ACRES
PROPOSED IMPERVIOUS AREA:	1.96 ACRES
PERCENTAGE OF CREATED IMPERVIOUS AREA:	-45.82%
RUNOFF COEFFICIENT FOR PRE-CONSTRUCTION:	0.45-35
RUNOFF COEFFICIENT FOR POST-CONSTRUCTION:	0.40-30
PRJOR LAND USE:	SCHOOL
NEIGHBORING WATER:	UNNAMED TRIBUTARY TO HARRIS BRANCH
ESTIMATED CONSTRUCTION DATES	03/20/2024 - 07/26/2024
SOIL TYPES, DESCRIPTIONS:	BEFORD SILT LOAM (B6), 3.4% Slopes, BEFORD SILT LOAM (B6), 6-12% Slopes, CRIDER SILT LOAM (C6), 0-10% Slopes, LAWRENCE SILT LOAM (L6), 4-5% Slopes

GENERAL NOTES

THE CONTRACTOR IS HEREBY ADVISED THAT STRICTER POLLUTION CONTROL STANDARDS AND ENFORCEMENT HAVE BEEN IMPOSED BY THE KENTUCKY DEP. ALSO, MANY PRIVATE CITIZEN ENVIRONMENTAL GROUPS, WHO HAVE BEEN KNOWN TO FILE CIVIL LEGAL ACTIONS, ARE PRESENT IN THE AREA AND OBSERVE ALL CONSTRUCTION OPERATIONS.

THE CONTRACTOR SHALL INFORM ALL SUBCONTRACTORS OF THE REQUIREMENTS AND RESPONSIBILITIES OF THE SWPPP AND SHALL DOCUMENT ALL SUCH NOTIFICATIONS AND DISCUSSIONS. ALL SUBCONTRACTORS SHALL SIGN THE NOI.

THE CONTRACTOR WILL BE REQUIRED TO PARTICIPATE IN SEDIMENT AND EROSION CONTROL INSPECTIONS ON A WEEKLY BASIS AND SIGN AN APPROVED INSPECTION SHEET THAT SHALL BE KEPT ON FILE AT THE JOB SITE.

UNLESS OTHERWISE NOTED, STANDARDS AND SPECIFICATIONS ESTABLISHED IN THE LATEST EDITION OF THE KY "BEST MANAGEMENT PRACTICES FOR CONTROLLING EROSION, SEDIMENT, AND POLLUTANT RUNOFF FROM CONSTRUCTION SITES" SHALL GOVERN THE EROSION AND SEDIMENT CONTROL, INSTALLATIONS SPECIFIED ON THIS PLAN.

THIS PROJECT WILL INVOLVE SEVERAL CONSTRUCTION PHASES AND SEQUENCING THROUGHOUT ITS LIFETIME, IT IS VERY IMPORTANT THAT ALL TEMPORARY SEDIMENT AND EROSION CONTROL, SPECIFIC FIELD METHODS ALONG WITH THIS PLAN, ARE UPDATED TO REFLECT THE ACTUAL, FIELD CONDITIONS, CURRENT WEATHER CONDITIONS AND SITE GRADE CHANGES. THE CONTRACTOR, OWNER, ENGINEER OR THE KENTUCKY DEP CAN AND WILL MODIFY THIS PLAN AS NECESSARY.

THE CONTRACTOR WILL VOLUNTARILY SELF REPORT ANY POTENTIAL VIOLATIONS OF THE KENTUCKY APPLICABLE PERMIT TO THE OWNER, ENGINEER AND THE KENTUCKY DEP.

THE CONTRACTOR SHALL REMOVE EXISTING GROUND COVER ONLY, AS NECESSARY FOR THE PROJECT PHASE CURRENTLY UNDER CONSTRUCTION.

CONSTRUCTION AND DEMOLITION DEBRIS SHALL BE PROPERLY DISPOSED OF ACCORDING TO KENTUCKY DEP REQUIREMENTS.

THE CONTRACTOR WILL BE REQUIRED TO BUILD SEDIMENT BASINS OR SEDIMENT TRAPS ON EQUAL METHODS TO DETAIN AND CLEAN WATER TO ACCEPTABLE EPA STANDARDS BEFORE RELEASING THE WATER BACK INTO THE STREAM.

THERE SHALL BE NO TURBID DISCHARGES TO SURFACE WATERS, RESULTING FROM DEWATERING ACTIVITIES. SEDIMENT-LADEN WATER MUST PASS THROUGH A SETTLING POND, FILTER BAG, OR OTHER COMPARABLE PRACTICE, PRIOR TO DISCHARGE.

NO SOLID OR LIQUID WASTE SHALL BE DISCHARGED INTO STORM WATER RUNOFF.

ALL PROCESS WASTEWATER (EQUIPMENT WASHING, LEACHATE FROM ON-SITE WASTE DISPOSAL, ETC.) SHALL BE COLLECTED AND DISPOSED OF AT A PUBLICLY OWNED TREATMENT WORKS.

ALL CONSTRUCTION ACTIVITIES MUST COMPLY WITH ALL LOCAL, EROSION/SEDIMENT CONTROL, WASTE DISPOSAL, SANITARY AND HEALTH REGULATIONS.

OTHER EROSION CONTROL ITEMS MAY BE NECESSARY DUE TO ENVIRONMENTAL CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND IMPLEMENTATION OF ADDITIONAL EROSION CONTROL ITEMS AT THE ENGINEER'S DISCRETION.

NO SOIL, ROCK, DEBRIS OR OTHER MATERIAL SHALL BE DUMPED OR PLACED IN ANY AREAS NOT "ADEQUATELY" PROTECTED BY EROSION CONTROL INSTALLATIONS.

IT IS REFERRED TO USE PERMANENT EROSION CONTROL ITEMS AS SHOWN IN THE PLANS TO CONTROL CONSTRUCTION POLLUTION WHEN POSSIBLE. OTHERWISE, THE TEMPORARY POLLUTION PREVENTION ITEMS ARE TO BE USED.

MOST TEMPORARY BASIC METHODS, INCLUDING BUT NOT LIMITED TO, SILT FENCE AND DITCH CHECKS MAY ALL HAVE TO BE PERIODICALLY MAINTAINED AND REPLACED, OR MOVED FROM THE EXISTING ROAD DITCH ON STRIPPED AREAS WHERE DISTURBED AREAS ARE TO BE USED.

ALL TEMPORARY SEDIMENT CONTROLS AND STORM WATER QUALITY METHODS WILL BE BUILT/INSTALLED AS THE PROJECT PROGRESSES TO ELIMINATE UNNECESSARY DISTURBANCE AND RESURFACING. ALL TEMPORARY CONTROLS SHALL BE IN PLACE AND FUNCTIONING PROPERLY WHEN THREATENING WEATHER IS IMMINENT.

"TEMPORARY STABILIZATION" MEANS THE ESTABLISHMENT OF TEMPORARY VEGETATION, MULCHING, GEOTEXTILES, SOD, PRESERVATION OF EXISTING VEGETATION AND OTHER TECHNIQUES CAPABLE OF QUICKLY ESTABLISHING COVER OVER DISTURBED AREAS TO PROVIDE EROSION CONTROL BETWEEN CONSTRUCTION OPERATIONS.

"PERMANENT STABILIZATION" MEANS THE ESTABLISHMENT OF PERMANENT VEGETATION, DECORATIVE LANDSCAPE MULCHING, MATTING, SOD, NIP NAP AND LANDSCAPING TECHNIQUES TO PROVIDE PERMANENT EROSION CONTROL ON AREAS WHERE CONSTRUCTION OPERATIONS ARE COMPLETE OR WHERE NO FURTHER DISTURBANCE IS EXPECTED FOR AT LEAST A YEAR.

OFF-SITE TRACKING OF SEDIMENTS SHALL BE MINIMIZED. A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. ALL PAVED STREETS ADJACENT TO THE SITE WILL BE SWEEP ONLY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARP.

OPERATION SEQUENCE FOR TEMPORARY AND PERMANENT BMP INSTALLATION

TO COMPLETE THE EVALUATION AND CONSTRUCTION OF THE PROPOSED JOB IMPROVEMENTS, COORDINATION OF THE CONTRACTORS WORK CREWS WILL BE REQUIRED. THE EXISTING DITCHES WILL PERFORM TEMPORARY SEDIMENT CONTROL, AND STORAGE DURING THE PROPOSED CONSTRUCTION WORK. WILL GENERALLY PROCEED FROM DOWNSTREAM TO UPSTREAM IN THESE WORK AREAS. THE GENERAL CONSTRUCTION SEQUENCE IS AS FOLLOWS:

1. INSTALL EROSION CONTROL ITEMS.
2. STRIP TOPSOIL AND ANY UNDESIRABLE MATERIAL THROUGH THE INCREMENTAL WORK AREA.
3. INSTALL TEMPORARY DITCH CHECKS IN DOWNSTREAM END OF EXISTING DITCH WITHIN 24 HOURS FOLLOWING THE STRIPPING OPERATION.
4. ANY DISTURBED OR EXPOSED AREAS SHALL BE STABILIZED PER KENTUCKY EPA TEMPORARY AND PERMANENT STABILIZATION REGULATIONS INCLUDING:
 1. SEEDING
 2. DITCH MATTING
 3. INLET PROTECTION
 4. MULCHING
 5. WATERING

STABILIZATION PRACTICES

PERMANENT SEEDING AND MULCHING STABILIZATION SHALL BE PROVIDED PER KENTUCKY EPA GUIDELINES.

TABLE 1: PERMANENT STABILIZATION	
AREA REQUIRING PERMANENT STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY AREAS THAT WILL BE DOMINANT FOR ONE YEAR OR MORE	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE
ANY AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND AT FINAL GRADE	WITHIN TWO DAYS OF REACHING FINAL GRADE
ANY OTHER AREAS AT FINAL GRADE	WITHIN SEVEN DAYS OF REACHING FINAL GRADE

TABLE 2: TEMPORARY STABILIZATION	
AREA REQUIRING TEMPORARY STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY DISTURBED AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND NOT AT FINAL GRADE	WITHIN TWO DAYS OF THE MOST RECENT DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS
FOR ALL CONSTRUCTION ACTIVITIES, ANY DISTURBED AREAS THAT WILL BE DOMINANT FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR AND NOT WITHIN 50 FEET OF A SURFACE WATER OF THE STATE	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE WITHIN THE AREA
FOR RESIDENTIAL SUBDIVISIONS, DISTURBED AREAS MUST BE STABILIZED AT LEAST SEVEN DAYS PRIOR TO TRANSFER OF PLANT COVERAGE FOR THE INDIVIDUAL LOTS	PRIOR TO THE ONSET OF WINTER WEATHER
DISTURBED AREAS THAT WILL BE IDLE OVER WINTER	PRIOR TO THE ONSET OF WINTER WEATHER

ALL TEMPORARY EROSION AND SEDIMENT CONTROL INSTALLATIONS SHALL BE REMOVED WHEN 70% VEGETATION HAS BEEN REACHED.

SEEDING & MULCHING

MULCH AND/OR OTHER APPROPRIATE VEGETATIVE PRACTICES SHALL BE APPLIED TO DISTURBED AREAS WITHIN 7 DAYS OF GRADING IF THE AREA IS TO REMAIN DOMINANT (UNDISTURBED FOR MORE THAN 14 DAYS) OR ON AREAS AND PORTIONS OF THE SITE WHICH CAN BE BROUGHT TO FINAL GRADE.

MULCH SHALL CONSIST OF UNROTTED STRAW MULCH APPLIED AT THE RATE OF 3 TONS/AC OR 135 LB/100 SQ. FT. (TWO TO THREE BALE). THE STRAW MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THE SOIL SURFACE IS COVERED FOR UNIFORM DISTRIBUTION OF HANDSPREAD MULCH. DITCH AREA INTO APPROXIMATELY 100-SQ.-FT. SECTIONS AND PLACE THREE (3) LB. BALES OF STRAW IN EACH SECTION.

MULCH SHALL BE APPLIED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR RUNOFF. THE FOLLOWING ARE ACCEPTABLE METHODS FOR APPLYING MULCH:

1. MECHANICAL USE: A DIRT CHOPPER, OR SIMILAR TYPE TOOL, SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT BE LEFT GENERALLY LONGER THAN 6 IN.
2. MULCH METHOD: USE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. FOLLOWING ALL PLACEMENT AND ANCHORING SUGGESTIONS, USE IN AREAS OF WATER CONCENTRATION AND STEEP SLOPES TO HOLD MULCH IN PLACE.
3. ASPHALT EMULSION: APPLY AT THE RATE OF 180 GAL/AC (1.5 GALS/SQ. FT.) GALVNIZED STEEL MULCH AS IT IS BEING APPLIED OR AS SUGGESTED BY THE MANUFACTURER.
4. SYNTHETIC BINDER: FOR STRAW MULCH, SYNTHETIC BINDERS SUCH AS ACRYLIC OR ACRYL-GLYCOL, DCA-70, PETROSET, TERPA TACK OR EQUAL MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER.

TEMPORARY SEEDING & MULCHING FOR EROSION CONTROL		
SEED TYPE	PER 1000 SQ. FT.	PER ACRE
PERENNIAL WHEAT TALL FESCUE JOINT VETCH CLOVER	40 POUNDS 40 POUNDS 40 POUNDS 40 POUNDS	40 POUNDS 40 POUNDS 40 POUNDS 40 POUNDS
SMALL GRASS SEEDS	20 POUNDS	2 TONS
WATERLOO	4 POUNDS OF 10 TO 15 SEED LBS. 12 TO 15	20 POUNDS OF 10 TO 15 SEED LBS. 12 TO 15

NOTE: OTHER APPROVED SPECIES MAY BE SUBSTITUTED.

WINTER SEEDING & MULCHING

WINTER SEED AND MULCH IS REQUIRED FOR EARTH DISTURBANCE ACTIVITY OPERATIONS OCCURRING BETWEEN OCTOBER 15 AND MARCH 15 AND ONLY IF THE INSTALLED DURING THAT TIME. ALL STRAW MULCH INCLUDED IN THIS WORK MUST BE EITHER CHIPPED IN PLACE OR INSTALLED WITH A BIODEGRADABLE BONDED FIBER MATRIX. CHIPPED MULCH IS REQUIRED TO BE ANCHORED INTO THE SOIL SURFACE WITH A MECHANICAL CHOPPER OR EQUIPMENT APPROVED BY THE ENGINEER. THE MULCH INCLUDED IN THIS WORK MUST BE CAPABLE OF PROVIDING SUFFICIENT DURABLE PROTECTIVE COVER THAT PROVIDES NEARLY TOP DRESS PERMIT EQUIVALENT PROTECTION FOR A MINIMUM OF 6 MONTHS. THE USE OF OTHER SEED AND/OR MULCH MATERIALS IN THIS PERIOD REQUIRES SPECIFIC APPROVAL BY THE ENGINEER. THE USE OF WATER SEEDING AND MULCHING IS NOT AN ACCEPTABLE PRACTICE FOR PROTECTING THE SURFACE.

STOCKPILES

SILT FENCING SHALL BE INSTALLED AROUND TEMPORARY SOIL STOCKPILES. THESE STOCKPILES SHALL BE STRAW MULCHED AND TEMPORARILY SEED/COVERED WITHIN 7 WORKING DAYS IF LEFT EXPOSED FOR 14 DAYS OR LONGER.

TIMING OF CONTROL MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, CONSTRUCTION ENTRANCES AND SILT FENCE WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. SEDIMENT CONTROL SERVICES SHALL BE IMPLEMENTED FOR ALL AREAS REMAINING DISTURBED LONGER THAN 14 DAYS AND/OR WITHIN 7 DAYS OF ANY GRUBBING ACTIVITIES. AREAS WHERE CONSTRUCTION OR ACTIVITY TEMPORARILY CEASES FOR MORE THAN 14 DAYS WILL BE STABILIZED WITH A TEMPORARY SEED AND MULCH WITHIN 7 DAYS OF THE LAST DISTURBANCE IF THE AREA IS WITHIN 50 FEET OF A STREAM, AND WITHIN 7 DAYS OF THE LAST DISTURBANCE IF THE AREA IS MORE THAN 50 FEET AWAY FROM A STREAM. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED WITH PERMANENT SEED AND MULCH AFTER THE ENTIRE SITE IS STABILIZED. THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE AREA.

STABILIZATION TYPE	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
PERMANENT SEEDING																														
DOMINANT SEEDING																														
TEMPORARY SEEDING																														
SEEDING																														
MULCHING																														

INSPECTIONS

ALL BMPs ON THIS SITE SHALL BE INSPECTED BY THE CONTRACTOR OR DESIGNATED REPRESENTATIVE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS AFTER A RAIN EVENT OF 0.5 INCHES PER 24 HOUR PERIOD. A RECORD OF THESE INSPECTIONS SHALL BE MAINTAINED IN THE CONSTRUCTION OFFICE WITH THE SURVEY FOR PUBLIC VIEWING. ANY VIOLATIONS WILL BE REPORTED THROUGH THE PROJECT PERSONNEL. A MAIN CAUSE WILL BE LOCATED WITHIN THE PROJECT LIMITS.

FOLLOWING EACH INSPECTION, A CHECKLIST MUST BE COMPLETED AND SIGNED BY THE QUALIFIED INSPECTION PERSONNEL REPRESENTATIVE. AT A MINIMUM, THE INSPECTION REPORT SHALL INCLUDE:

1. THE INSPECTION DATE;
2. NAMES, TITLES, AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION;
3. WEATHER INFORMATION FOR THE PERIOD SINCE THE LAST INSPECTION (OR SINCE COMMENCEMENT OF CONSTRUCTION ACTIVITY IF THE FIRST INSPECTION) INCLUDING A BEST ESTIMATE OF THE BEGINNING OF EACH STORM EVENT, DURATION OF EACH STORM EVENT, APPROXIMATE AMOUNT OF RAINFALL FOR EACH STORM EVENT (ON ROADS) AND WHETHER ANY DISCHARGES OCCURRED;
4. WEATHER INFORMATION AND A DESCRIPTION OF ANY DISCHARGES OCCURRING AT THE TIME OF THE INSPECTION;
5. LOCATIONS OF DISCHARGES OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE;
6. LOCATIONS OF BMPs THAT NEED TO BE MAINTAINED;
7. LOCATIONS OF BMPs THAT FAILED TO OPERATE AS DESIGNED OR PROVIDED INADEQUATE FOR A PARTICULAR LOCATION;
8. LOCATIONS WHERE ADDITIONAL BMPs ARE NEEDED THAT DID NOT EXIST AT THE TIME OF INSPECTION; AND
9. CORRECTIVE ACTION REQUIRED INCLUDING ANY CHANGES TO THE BMPs NECESSARY AND IMPLEMENTATION DATES.

THE PERMITTEE SHALL MAINTAIN A RECORD OF ALL INSPECTIONS FOR A PERIOD OF 3 YEARS FOLLOWING THE SUBMITTAL OF THE NOTICE OF TERMINATION.

MAINTENANCE

THE CONTRACTOR SHALL MAINTAIN, REPAIR, OR REPLACE ALL EROSION CONTROL INSTALLATIONS AS NEEDED TO MAINTAIN THE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. ALL REPAIRS TO BMPs SHALL BE MADE WITHIN 3 DAYS (OR SOONER IF POSSIBLE) OF NOTIFICATION OF DEFICIENCIES. IF THE CORRECTIONS ARE NOT MADE WITHIN THE 3 DAY PERIOD, LIQUIDATED DAMAGES MAY BE ASSESSED.

ONGOING INSPECTION OF INSTALLATIONS WILL BE PERFORMED BY THE CONTRACTOR OR DESIGNATED REPRESENTATIVE.

ANY TRACKED SEDIMENT OR DEBRIS REMOVED DURING CLEANING OF OR REPAIR OF BMP INSTALLATIONS SHALL BE PLACED IN AREAS NOT SUBJECT TO EROSION AND PERMANENTLY STABILIZED.

SPILL PREVENTION

MATERIAL MANAGEMENT PRACTICES

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

GOOD HOUSEKEEPING

THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ON-SITE DURING THE CONSTRUCTION PROJECT.

1. AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.
2. ALL MATERIALS STORED OUTSIDE WILL BE STORED IN A HEAT, GROUND, HAZARD, OR OTHER APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
3. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
4. SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
5. WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
6. MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
7. THE SITE SUPERINTENDENT WILL INSPECT ONLY TO INSURE PROPER USE AND DISPOSAL OF MATERIALS ON-SITE.

HAZARDOUS PRODUCTS

THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.

1. PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RELEASABLE.
2. ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED. THEY CONTAIN IMPORTANT PRODUCT INFORMATION.
3. IF SUPPLIES PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

SPILL PREVENTION PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

1. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY. MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
2. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ON-SITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO: BROOMS, DUST PANS, MOPS, RAGS, GLOVES, SPOOLES, KITTLY LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.
3. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
4. SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE. SPILLS OF 25 OR MORE GALLONS OF PETROLEUM WASTE MUST BE REPORTED TO KENTUCKY EPA, THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMISSION WITHIN 30 MINUTES OF THE SPILL.
5. SOLIDS CONTAMINATED BY PETROLEUM OR OTHER CHEMICAL SPILLS MUST BE TREATED/DISPOSED AT A KENTUCKY EPA-APPROVED SOLID WASTE MANAGEMENT FACILITY OR HAZARDOUS WASTE TREATMENT, STORAGE OR DISPOSAL FACILITY (TSDF).
6. THE SPILL PREVENTION PLAN WILL BE ADDED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.
7. THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL DESIGNATE SITE PERSONNEL, WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ON-SITE.

PRODUCT SPECIFIC PRACTICES

THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ON-SITE:

PETROLEUM PRODUCTS: ALL ON-SITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEPARATE PLASTIC BIN TO AVOID SPILLS.

FUEL STORAGE TANKS: ALL FUEL STORAGE TANKS WILL BE LOCATED AWAY FROM SURFACE WATERS AND STORM SEWER SYSTEM INLETS. FUEL TANKS SHALL BE STORED IN A DIBED AREA CAPABLE OF HOLDING 100% OF THE TANK CAPACITY.

FERTILIZERS: FERTILIZERS USED WILL BE APPLIED ONLY IN THE MAXIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEPARATE PLASTIC BIN TO AVOID SPILLS.


PAINERS: ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

DUST CONTROL

DUST CONTROL INCLUDES PREVENTING OR REDUCING DUST FROM EXPOSED SOILS OR OTHER SOURCES DURING LAND DISTURBANCE, DEMOLITION AND CONSTRUCTION ACTIVITIES TO REDUCE THE PRESENCE OF AIRBORNE SUBSTANCES WHICH MAY PRESENT HEALTH HAZARDS, TRAFFIC SAFETY PROBLEMS OR HARM ANIMAL OR PLANT LIFE.

THE FOLLOWING SPECIFICATIONS FOR DUST CONTROL SHALL BE FOLLOWED ON-SITE:


1. **VEGETATIVE COVER AND MULCH:** APPLY TEMPORARY OR PERMANENT SEEDING AND MULCH TO AREAS THAT WILL REMAIN IDLE FOR OVER 14 DAYS, SAVING EXISTING TREES AND LARGER SHRUBS THAT WOULD REMAIN. SEE TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING PRACTICES AND NATURAL AREA PROTECTION PRACTICES.
2. **WATERING:** SPRAY SITE WITH WATER UNTIL THE SURFACE IS VET BENEATH AND DURING GRADING AND REPEAT AS NEEDED, ESPECIALLY ON HILL, ROADS AND OTHER HEAVY TRAFFIC ROUTES. WATERING SHALL BE DONE AT A RATE THAT PREVENTS DUST BUT DOES NOT CAUSE SOIL EROSION, WETTING AGAINST SHALL BE UTILIZED ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
3. **SPILLS ON ADHESIVES:** APPLY ADHESIVE ACCORDING TO THE FOLLOWING TABLE ON MANUFACTURER'S INSTRUCTIONS.



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SEAL:



NO. DATE DESCRIPTION
1. 12/15/2023 CLIENT REVIEW
2. 12/20/2023 ADD BUILDING DEMO PLAN - D100
3. 03/09/2024 BID SET

OLDHAM COUNTY - LIBERTY SCHOOL DEMOLITION

8120 W HIGHWAY 42
OLDHAM COUNTY, KENTUCKY

PROJECT NO. 220961.002
DATE 12/20/2023
SCALE

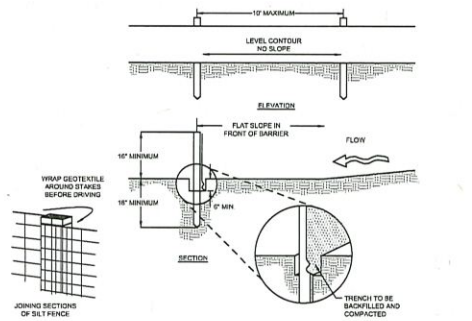
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SHEET NAME

EPSC NOTES

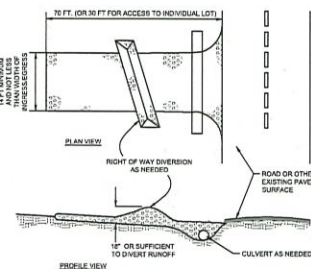
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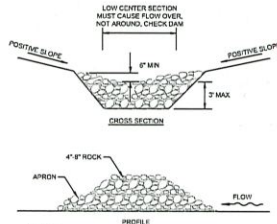
- NOTES:
1. SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS.
 2. ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SHALL SHALLOWS OR DEPRESSIONS THAT MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.
 3. ENDS OF THE SILT FENCES SHALL BE BROUGHT UPON SLIGHTLY SO THAT WATER FORCED BY THE SILT FENCE WILL BE PREVENTED FROM FLOWING AROUND THE ENDS.
 4. SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.
 5. WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FEET (OR AS MUCH AS POSSIBLE) UPSTREAM FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE REESTABLISHED WITHIN 90 DAYS FROM THE INSTALLATION OF THE SILT FENCE.
 6. THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 18 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
 7. THE SILT FENCE SHALL BE PLACED IN AN EXCAVATED OR SLOPED TRENCH OF A MINIMUM OF 6 INCHES DEPTH. THE TRENCH SHALL BE MADE WITH A TRENCHER, CABLE LAYING MACHINE, SLICING MACHINE, OR OTHER SUITABLE DEVICE THAT WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.
 8. THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWN-SLOPE SIDE OF THE GEOTEXTILE. A MINIMUM OF 8 INCHES OF GEOTEXTILE MUST BE BUILT ON THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE TRENCH DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED ON BOTH SIDES OF THE FABRIC.
 9. SEAMS BETWEEN SECTIONS OF SILT FENCE SHALL BE SPUN TOGETHER ONLY AT A SUPPORT POST WITH A MINIMUM 6-IN. OVERLAP PRIOR TO DRIVING INTO THE GROUND.

SILT FENCE DETAIL
N.T.S.



- NOTES:
1. STONE SIZE - KYTC #2 (1.5-2.5 INCH STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT).
 2. LENGTH - THE CONSTRUCTION ENTRANCE SHALL BE AS LONG AS REQUIRED TO STABILIZE HIGH TRAFFIC AREAS BUT NOT LESS THAN 75 FT. (EXCEPTION, APPLY 30 FT. MINIMUM TO SINGLE RESIDENCE LOTS).
 3. THICKNESS - THE STONE LAYER SHALL BE AT LEAST 6 INCHES THICK FOR LIGHT DUTY ENTRANCES OR AT LEAST 18 INCHES FOR HEAVY DUTY USE.
 4. WIDTH - THE ENTRANCE SHALL BE AT LEAST 14 FEET WIDE, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INDICES OR CROSSINGS OCCUR.
 5. GEOTEXTILE - A GEOTEXTILE SHALL BE Laid OVER THE ENTRANCE PRIOR TO PLACING STONE. IT SHALL BE COMPOSED OF STRONG NOT PROOF POLYETHYLENE FIBER AND MEET THE FOLLOWING SPECIFICATIONS:
MINIMUM TENSILE STRENGTH..... 200 LBS
MINIMUM PUNCTURE STRENGTH..... 80 LBS
MINIMUM TEAR STRENGTH..... 50 LBS
MINIMUM BURST STRENGTH..... 350 PSI
MINIMUM ELONGATION..... 20%
EQUVALENT OPENING SIZE..... 0.075" (60-MESH)
PERMEABILITY..... 1.0E-05 CM/SEC
 6. TIMING - THE CONSTRUCTION ENTRANCE SHALL BE INSTALLED AS SOON AS IS PRACTICABLE BEFORE MAJOR GRADING ACTIVITIES.
 7. CULVERT - A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED TO PREVENT SURFACE WATER FROM FLOWING ACROSS THE ENTRANCE OR TO PREVENT RUNOFF FROM BEING DIRECTED OUT ONTO PAVED SURFACES.
 8. WATER BAR - A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.
 9. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR THE WASHING AND REWORKING OF EXISTING STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR ON TO STORM DRAINS MUST BE REMOVED IMMEDIATELY. THE USE OF WATER TRUCKS TO REMOVE MATERIALS DROPPED, WASHED, OR TRACKED ONTO ROADWAYS SHALL NOT BE PERMITTED UNDER ANY CIRCUMSTANCES. TOP DRESSING OF ADDITIONAL STONE SHALL BE APPLIED AS CONDITIONS DEMAND. MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADS OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SNEEPEE.
 10. CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION-SITE SHALL BE RESTRICTED FROM MUDDY AREAS.
 11. REMOVAL - THE ENTRANCE SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS STABILIZED OR REPLACED WITH A PERMANENT ROADWAY OR ENTRANCE.

CONSTRUCTION ENTRANCE DETAIL
N.T.S.



- NOTES:
1. THE CHECK DAM SHALL BE CONSTRUCTED OF 4.8 INCH DIAMETER STONE, PLACED SO THAT IT COMPLETELY COVERS THE WIDTH OF THE CHANNEL. KYTC #2 STONE IS ACCEPTABLE, BUT SHOULD BE UNDERLAIN WITH A GEOTEXTILE FABRIC OR CHANNEL LINER/ANINET.
 2. MAXIMUM HEIGHT OF CHECK DAM SHALL NOT EXCEED 3.0 FEET.
 3. THE MIDPOINT OF THE ROCK CHECK DAM SHALL BE A MINIMUM OF 8 INCHES LOWER THAN THE SIDES IN ORDER TO DIRECT ACROSS THE CENTER AND AWAY FROM THE CHANNEL SIDES.
 4. THE BASE OF THE CHECK DAM SHALL BE ENTRENCHED APPROXIMATELY 6 INCHES.
 5. SPACING OF CHECK DAMS SHALL BE IN A MANNER SUCH THAT THE TOP OF THE UPSTREAM DAM IS AT THE SAME ELEVATION AS THE TOP OF THE DOWNSTREAM DAM.
 6. A SPLASH APRON SHALL BE CONSTRUCTED WHERE CHECK DAMS ARE EXPECTED TO BE IN USE FOR AN EXTENDED PERIOD OF TIME. A STONE APRON SHALL BE CONSTRUCTED IMMEDIATELY DOWNSTREAM OF THE CHECK DAM TO PREVENT FLOWS FROM UNDERCUTTING THE STRUCTURE. THE APRON SHOULD BE 8 IN. THICK AND ITS LENGTH TWO TIMES THE HEIGHT OF THE DAM.
 7. STONE PLACEMENT SHALL BE PERFORMED EITHER BY HAND OR MECHANICALLY AS LONG AS THE CENTER OF CHECK DAM IS LOWER THAN THE SIDES AND EXTENDS ACROSS ENTIRE CHANNEL.
 8. SIDE SLOPES SHALL BE A MINIMUM OF 2:1.
- MAINTENANCE:
1. SEDIMENT SHALL BE REMOVED FROM BEHIND CHECK DAM ONCE IT ACCUMULATES TO ONE-HALF THE ORIGINAL HEIGHT OF THE CHECK DAM.

ROCK CHECK DAM DETAIL
N.T.S.

FABRIC PROPERTIES	VALUES	TEST METHOD
MINIMUM TENSILE STRENGTH	200 LBS	ASTM D 1557
MINIMUM PUNCTURE STRENGTH	80 LBS	ASTM D 1557
MINIMUM TEAR STRENGTH	50 LBS	ASTM D 1557
MINIMUM BURST STRENGTH	350 PSI	ASTM D 1557
MINIMUM ELONGATION	20%	ASTM D 1557
EQUVALENT OPENING SIZE	0.075" (60-MESH)	ASTM D 1557
PERMEABILITY	1.0E-05 CM/SEC	ASTM D 1557

NOTE:
UNDERGROUND UTILITIES ARE PLOTTED FROM A COMPILED LIST OF AVAILABLE RECORD INFORMATION AND SURFACE INDICATIONS OF UNDERGROUND STRUCTURES AND MAY NOT BE INCLUSIVE. PRECISE LOCATIONS AND THE EXISTENCE OR NON-EXISTENCE OF UNDERGROUND UTILITIES CANNOT BE VERIFIED. PLEASE NOTIFY THE KENTUCKY UTILITY PROTECTION SERVICE AT 811 OR 1-800-362-844 BEFORE ANY PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.

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SEAL
STATE OF KENTUCKY
JAMES S. KLEINGERS
13893
Professional Engineer
No. 13893
Exp. 12/31/2023

NO.	DATE	DESCRIPTION
1.	12/10/2023	CLIENT REVIEW
2.	12/20/2023	ADD BUILDING DEMO PLAN - D100
3.	03/09/2024	RID SET

OLDHAM COUNTY - LIBERTY SCHOOL DEMOLITION
8120 W HIGHWAY 42
OLDHAM COUNTY, KENTUCKY

PROJECT NO. 220591.002
DATE: 12/20/2023

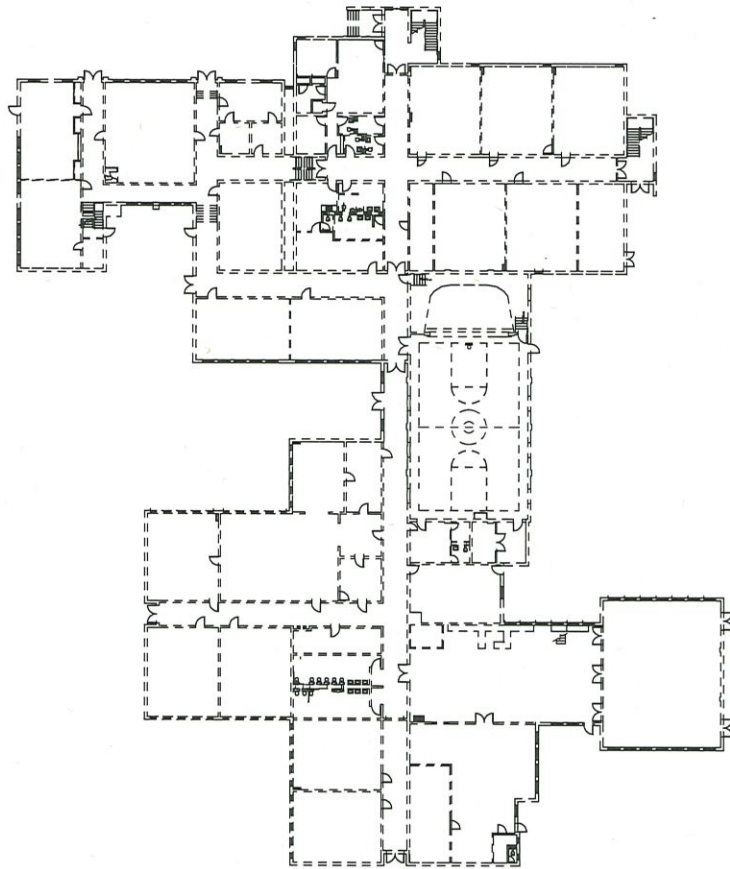
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NO SCALE

SHEET NAME:

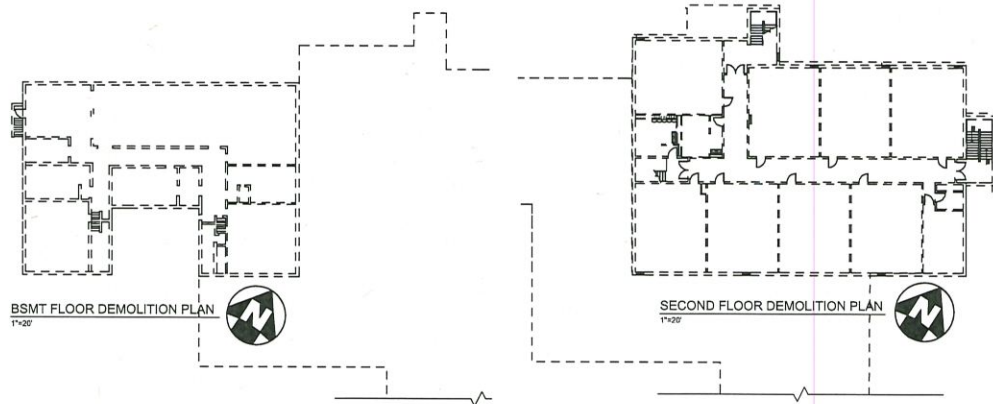
EPSC DETAILS

SHEET NO.

C402

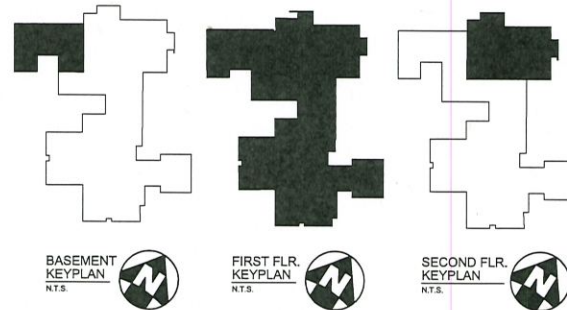


FIRST FLOOR DEMOLITION PLAN
1"=20'



BSMT FLOOR DEMOLITION PLAN
1"=20'

SECOND FLOOR DEMOLITION PLAN
1"=20'



BASEMENT KEYPLAN
N.T.S.

FIRST FLR. KEYPLAN
N.T.S.

SECOND FLR. KEYPLAN
N.T.S.

NOTE:
UNDERGROUND UTILITIES ARE PLOTTED FROM A
COMPILED OF AVAILABLE RECORD INFORMATION AND
SURFACE INDICATIONS OF UNDERGROUND STRUCTURES AND
MAY NOT BE INCLUSIVE. PRECISE LOCATIONS AND THE
EXISTENCE OR NON-EXISTENCE OF UNDERGROUND UTILITIES
CANNOT BE VERIFIED. PLEASE NOTIFY THE KENTUCKY
UTILITY PROTECTION SERVICE AT 811 OR 1-800-382-3344
BEFORE ANY PERIOD OF EXCAVATION OR CONSTRUCTION
ACTIVITY.

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



- DEMOLITION NOTES:
1. REMOVE EXISTING BUILDING COMPLETE, INCLUDING ALL ROOFS, OVERHANGS, WALLS, FLOOR, FOUNDATION WALLS, FOOTINGS, FOOTINGS, UTILITIES, ETC.
 2. COORDINATE ALL WORK WITH HAZARDOUS MATERIAL REMOVAL, INCLUDING ASBESTOS, LEAD, ETC.

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SEAL:

STATE OF KENTUCKY
JAMES S. KLEINGERS
13893

NO.	DATE	DESCRIPTION
1	12/10/2023	CLIENT REVIEW
2	12/20/2023	ADD BUILDING DEMO PLAN - D100
3	03/09/2024	BID SET

OLDHAM COUNTY - LIBERTY SCHOOL DEMOLITION
8120 W HIGHWAY 42
OLDHAM COUNTY, KENTUCKY

PROJECT NO. 220561.002

DATE 12/20/2023

SCALE:
0 20 40 80

SHEET NAME:

DEMOLITION - EXISTING BUILDING

SHEET NO.

D100