ADDENDUM NO. 3 **March 04, 2025**

RE: **Pendleton County Fire Station**
2663 HWY US 27 N.
Falmouth, Kentucky 41040
Project No. 24056

FROM: **Brandstetter Carroll Inc.**
2360 Chauvin Drive
Lexington, Kentucky 40517
Phone 859-268-1933
Fax 859-268-3341

TO: **Plan Holders**

This addendum forms a part of the Construction Documents and modifies the original bidding documents dated January 24, 2025. Each bidder shall acknowledge receipt of this addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of two (2) pages, plus Attachments.

GENERAL:

1. Bids due.
    a. Thursday March 06, 2025.
    b. Bid Time: 2:00 p.m. local time.
    c. Location: Pendleton County Courthouse, 233 Main St # 1, Falmouth, KY 41040.
2. No REVIT or AUTOCAD Files will be given out during the Bidding Process. Drawing Files will be given only to the awarded contractor and sub-contractors after they are contracted with the owner and an Electronic Files Disclaimer has been signed by all contractors.
3. Interpretations, corrections, changes, answers to questions, etc., regarding the bid will be made via Addenda only. Any other manner will not be binding, and bidders shall not rely upon them.
4. The existing PEMB and the alternate PEMB building are not required to be structurally classified for a firehouse.

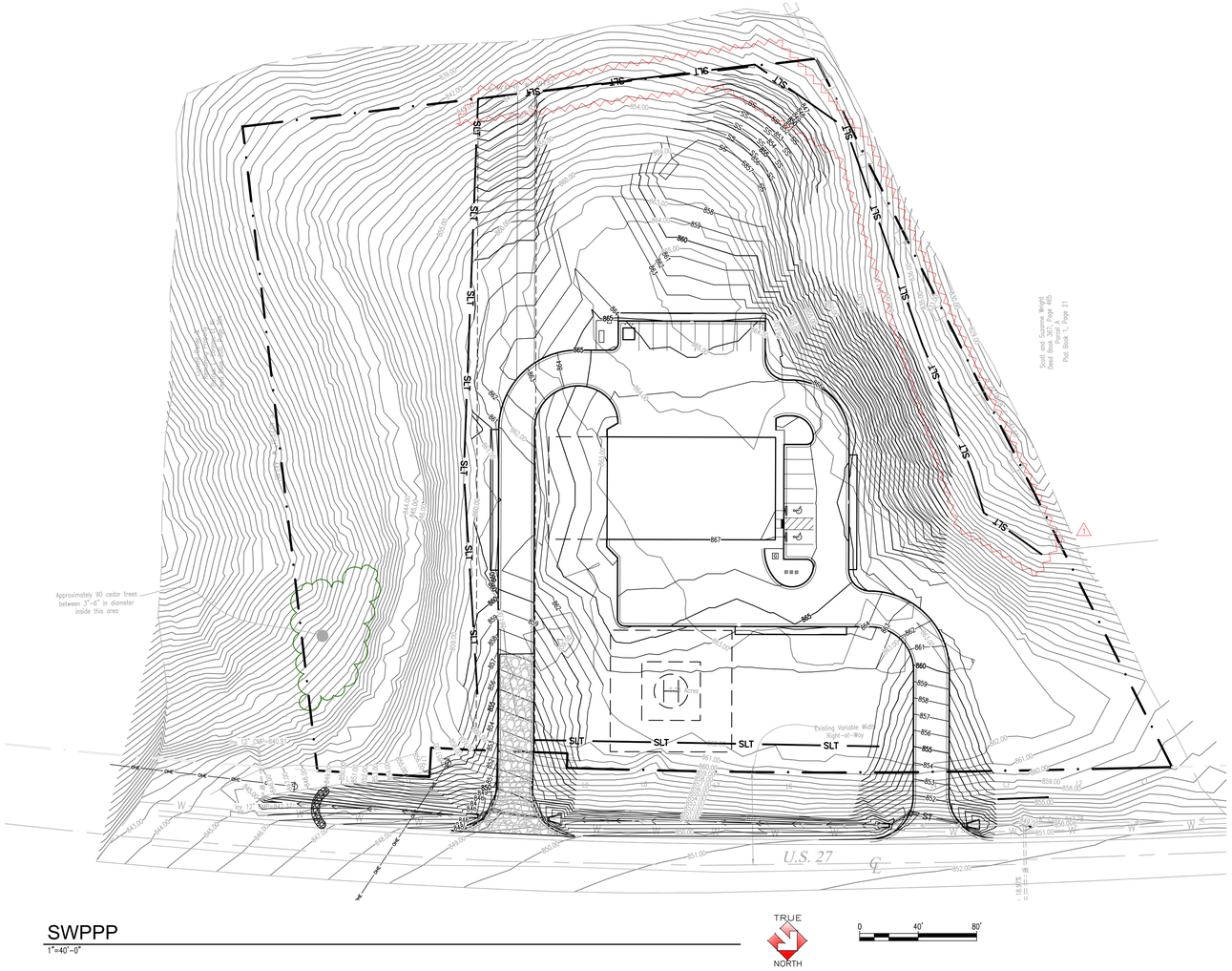
CHANGES TO DRAWINGS:

1. Sheet C-101 SWPP:
    a. Adjusted silt fence.
2. Sheet C-102 Layout and Materials:
    a. Adjusted helipad location.
3. Sheet C-103 Dimensional Plan:
    a. Adjusted helipad location.
4. Sheet C-104 Grading and Dimensional Plan:
    a. Adjusted helipad, grading, and the septic field locations.
5. Sheet C-105 Utility Plan:

a. Adjusted helipad and septic field locations.
b. Updated legend and coded notes.
c. Revised sanitary, gas and water.

6. Sheet C-201 Road Profiles:
    a. Revised sanitary line.
7. Sheet C-501 Site Details:
    a. Revised the printing scale only for both headwall details.
8. Sheet E100 Site Electrical Plan:
    a. Revised conduits for future monument sign and to the Helipad.
9. Sheet E501 Site Electrical Schedules:
    a. Revised light fixture schedule.

END OF ADDENDUM NO. 3



SWPPP

1"=40'-0"

TRUE NORTH

0 40' 80'

General Notes

1. THE CONTRACTOR(S) SHALL CONDUCT HIS WORK IN AN ENVIRONMENTALLY SOUND MANNER AND SHALL UTILIZE "BEST MANAGEMENT PRACTICES" (BMP'S) TO REDUCE OR ELIMINATE POLLUTANTS IN STORM WATER DISCHARGES DURING THE CONSTRUCTION OF THIS PROJECT.
2. PROVIDE EROSION CONTROL DEVICES COMPLETELY AROUND ADJACENT STORM WATER STRUCTURES.
3. CONTRACTORS ARE ADVISED THAT CARE SHOULD BE EXERCISED DURING UNDERGROUND EXCAVATION IN THE EVENT THAT UTILITY LINES ARE PRESENT THAT ARE UNCHARTED.
4. THE EXISTING UTILITY INFORMATION DEPICTED ARE APPROXIMATE LOCATIONS. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATION OF ALL EXISTING UTILITIES (2) WORKING DAYS BEFORE ANY EXCAVATION OCCURS ON SITE AND PRIOR TO THE COORDINATION OF THE NEW UTILITIES LAYOUT AND INSTALLATION. CALL 811 BEFORE YOU DIG.
5. IF, DURING THE CONSTRUCTION, INTERFERENCE ARISES WITH EXISTING UTILITIES IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE UTILITY COMPANY INVOLVED. THE CONTRACTOR SHALL NOTIFY, AT LEAST (7) SEVEN DAYS BEFORE BREAKING GROUND, ALL PUBLIC SERVICE CORPORATIONS HAVING WIRES, POLES, PIPES, CONDUITS, MANHOLES, OR OTHER STRUCTURES THAT MAY BE AFFECTED BY THIS OPERATION, INCLUDING ALL STRUCTURES WHICH ARE AFFECTED AND NOT SHOWN ON THESE PLANS. THERE WILL BE NO DELAYS ALLOWED FOR UTILITY INTERFERENCES.
6. ALL AREAS DISTURBED OR DAMAGED OUTSIDE THE LIMITS OF CONSTRUCTION SHALL BE REPAIRED AT NO COST TO THE OWNER AND TO THE SATISFACTION OF THE OWNER. THIS INCLUDES DAMAGE TO ADJACENT ROADWAYS.
7. THERE SHALL BE NO CONSTRUCTION EQUIPMENT, VEHICLES, OR STORAGE ON ANY FINISHED SURFACES.
8. PRIOR TO COMMENCEMENT OF EARTH DISTURBING ACTIVITIES, A PRE-CONSTRUCTION MEETING IS TO BE HELD. ALL REQUIRED CONTACT NAMES AND NUMBER WILL BE LISTED ON A PRE-CONSTRUCTION MEETING FORM PROVIDED SEPARATELY BY ARCHITECT. ANY SUBCONTRACTOR(S) REQUIRED TO BE A CO-PERMITTEE BY LOCAL JURISDICTIONS MUST BE LISTED AND PROVIDE A COPY OF THEIR NOTICE OF INTENT OR CO-PERMIT TO THE OWNER AND ATTACH TO THIS SWP3.
9. PROJECT INFORMATION: A) THIS PROJECT INCLUDES, BUT IS NOT LIMITED TO, EARTHWORK MOVEMENT IN PREPARATION OF AN EMERGENCY RESPONSE STATION, SANITARY SEWER SERVICE, DOMESTIC WATER SERVICE LINE, PARKING LOTS, ROADS, AND POWER.
10. PROVIDE EROSION CONTROL DEVICES COMPLETELY AROUND ADJACENT STORM WATER STRUCTURES.

.\Call_811.jpg

Soil Stabilization Notes

1. ALL DISTURBED AREAS WHICH REMAIN INACTIVE FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR OR FOR AREAS TO BE PERMANENTLY STABILIZED AT FINAL GRADE SHALL BE STABILIZED BY SEEDING, SODDING, MULCHING, COVERING OR OTHER EQUIVALENT EROSION CONTROL MEASURES AS SOON AS PRACTICAL BUT IN NO CASE MORE THAN SEVEN (7) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SEEDING SHALL BE DONE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS.
2. AREAS TO BE PERMANENTLY STABILIZED FOR FINAL GRADE SHALL BE STABILIZED BY SEEDING, SODDING MULCHING, COVERING OR OTHER EQUIVALENT EROSION CONTROL MEASURES WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE OR WITHIN SEVEN (7) DAYS OF REACHING FINAL GRADE.
3. ALL DISTURBED AREAS WHICH REMAIN INACTIVE FOR ONE YEAR OR MORE SHALL BE STABILIZED BY SEEDING, SODDING MULCHING, COVERING OR OTHER EQUIVALENT EROSION CONTROL MEASURES WITHIN SEVEN DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. ALL SUCH AREAS REMAINING INACTIVE OVER WINTER SEASON SHALL BE STABILIZED BY SEEDING, SODDING, MULCHING, COVERING OR OTHER EQUIVALENT EROSION CONTROL MEASURES AS SOON AS PRACTICAL BEFORE THE ONSET OF WINTER WEATHER.

BMP Legend

BMP SYMBOL	BMP NAME	DETAIL #
— — — — — —	LIMITS OF DISTURBANCE	
—— SLT ——	SILT FENCE	C4/CP-101 D4/CP-101
————	TREE PROTECTION FENCE	A4/CP-101
◡	ROCK CHECK DAM	B5/CP-101
▬ ▬	HAY BALES	B4/CP-101
☐	SILT FENCE INLET PROTECTION	A3/CP-101
▨	CONSTRUCTION PARKING (COORDINATE W/ OWNER)	
▩	STONE CONSTRUCTION ENTRANCE	C5/CP-101

Coded Notes

⬡1 CONCRETE WASHOUT PIT

Construction Sequence

1. INSTALL TEMPORARY CONSTRUCTION ENTRANCE PER THE SITE DRAWINGS BEFORE ANY CONSTRUCTION BEGINS OR SUPPLIES ARE DELIVERED.
2. ALL PERIMETER SILT FENCE AND OTHER INITIAL EROSION CONTROLS APPLICABLE ON THE SITE DRAWINGS SHALL BE IN PLACE BEFORE ANY OTHER EARTH MOVING ACTIVITIES COMMENCE.
3. POST ALL APPLICABLE SIGNS, INCLUDING THE NOTICE OF INTENT (NOI), AND HAVE THIS SWP3 WITH EROSION AND SEDIMENT CONTROL PLANS AT THE SITE FOR CONTINUAL USE AND MODIFICATION. POST "CONSTRUCTION SITE NOTICE" SIGN INCLUDING INFORMATION SUCH AS THE GENERAL CONTRACTOR NAME, GENERAL CONTRACTOR ADDRESS, GENERAL CONTRACTOR CONTACT/NUMBER, AND PROJECT NAME.
4. PHASING OF WORK TO ALLOW EXISTING VEGETATIVE AREAS OR BUFFERS TO REMAIN AS LONG AS POSSIBLE IS ENCOURAGED.
5. EROSION CONTROL DEVICES MUST BE INSPECTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF 0.5 INCHES OR GREATER RAINFALL. SEE PART III.G OF THE KENTUCKY DOW GENERAL CONSTRUCTION PERMIT FOR MORE INFORMATION. FOLLOWING EACH INSPECTION, A CHECKLIST MUST BE COMPLETED AND SIGNED BY THE QUALIFIED INSPECTION PERSONNEL REPRESENTATIVE. THE INSPECTION REPORT MUST INCLUDE AT A MINIMUM:
   - A) INSPECTION DATE
   - B) NAMES, TITLES AND QUALIFICATIONS OF INSPECTION PERSONNEL
   - C) WEATHER INFORMATION FOR THE PERIOD SINCE THE LAST INSPECTION (OR SINCE COMMENCEMENT OF CONSTRUCTION OF ACTIVITY IF 1ST INSPECTION).
   - D) WEATHER INFO AND A DESCRIPTION OF ANY DISCHARGES OCCURRING AT THE TIME OF INSPECTION
   - E) LOCATION(S) OF BMP'S THAT NEED TO BE MAINTAINED
   - F) LOCATION(S) OF BMP'S THAT FAILED TO OPERATE AS DESIGNED OR PROVED INADEQUATE FOR A PARTICULAR LOCATION
   - G) LOCATION(S) WHERE ADDITIONAL BMP'S ARE NEEDED THAT DID NOT EXIST AT THE TIME OF INSPECTION, AND,
   - H) CORRECTIVE ACTION REQUIRED INCLUDING ANY CHANGES TO THE SWP3 NECESSARY AND IMPLEMENTATION DATES. DOCUMENTS REGARDING THESE INSPECTIONS MUST BE KEPT AT THE SITE AND BE MADE AVAILABLE UPON REQUEST.
6. INSTALL ANY SEDIMENT TRAPS AND/OR BASINS PER THE SITE DRAWINGS, AS SOON AS POSSIBLE, DURING THE CLEARING AND EXCAVATION OF THE SITE. PROVIDE TEMPORARY GRADING TO DIRECT WATER TO TRAPS/BASINS.
7. ALL SILT FENCES MUST BE INSPECTED AND NEEDED REPAIRS IMPLEMENTED AFTER EVERY STORM EVENT. SEDIMENT DEPOSITS SHALL BE REMOVED WHEN MATERIAL REACHES DEPTH OF ONE-THIRD (1/3) THE FENCE HEIGHT.
8. SEDIMENT TRAPS SHALL HAVE THE COLLECTED SEDIMENT REMOVED WHEN SEDIMENT HAS ACCUMULATED TO THE TOP OF THE SEDIMENT STORAGE ZONE (WHEN 40 PERCENT OF THE POND DEPTH HAS BEEN FILLED). THIS ELEVATION SHALL BE IDENTIFIED WITH BY THE TOP OF A STAKE LOCATED NEAR THE CENTER OF TRAP.
9. PERIODICALLY, THE STONE IN THE CONSTRUCTION ENTRANCE SHOULD BE RAKED TO INCREASE INFILTRATION AND FILTERING.

   ANY SEDIMENT REACHING A PUBLIC OR PRIVATE ROAD SHALL BE REMOVED. BULK CLEARING OF ACCUMULATED SEDIMENT BY FLUSHING THE AREA WITH WATER SHALL NOT BE PERMITTED. CLEARED SEDIMENT SHALL BE RETURNED TO THE POINT OF LIKELY ORIGIN OR OTHER APPROVED LOCATION BEFORE THE END OF EACH WORKDAY, EITHER BY SCRAPING OR SWEEPING.

   CONTINUE INSTALLING/MODIFYING EROSION CONTROLS AS THE CONSTRUCTION OF SITE UTILITIES, FOUNDATIONS, AND STRUCTURES CHANGE THE TOPOGRAPHY OF THE SITE.
10. THE GENERAL CONTRACTOR WILL KEEP WRITTEN DOCUMENTATION OF MAJOR EARTHMOVING ACTIVITIES USING A SITE LOG INDICATING START AND STOP DATES FOR DEFINED AREAS OF THE SITE. NOTE THESE AREAS ON THE SITE DRAWINGS WHEN POSSIBLE.
11. REMOVE TEMPORARY OR SEDIMENT CONTROL PRACTICES ONCE FINAL STABILIZATION/ VEGETATION HAS BEEN ESTABLISHED.
12. FILE THE APPROPRIATE NOTICE OF TERMINATION (NOT) WHEN THE ENTIRE PROJECT IS COMPLETE.
13. KEEP ALL SWPPP DOCUMENTS, INCLUDING INSPECTION CHECKLISTS, ON FILE FOR THREE YEARS FROM TERMINATION.

GENERAL NOTES:

1. FABRIC SECURED TO POSTS WITH METAL FASTENERS AND REINFORCEMENT BETWEEN FABRIC AND FASTENERS.

C4 Silt Fence Section Typical

N.T.S.

B4 Hay Silt Barrier

N.T.S.

Vicinity Map

1"=1000'

TRUE NORTH

NOTE:
CONTRACTOR SHALL ALSO CONSTRUCT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL DEVICES IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS.

SILT FENCE AND FILTER BARRIER PLACEMENT NOTES:

I. SHEET (OVERLAND) AND CHANNEL FLOW APPLICATIONS
   1. THE HEIGHT OF THE FILTER BARRIER SHALL BE AT LEAST FIFTEEN (15) INCHES AND NO GREATER THAN EIGHTEEN (18) INCHES.
   2. STANDARD STRENGTH FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL TO AVOID JOINTS.
   3. STAKES FOR FILTER BARRIERS SHALL BE AT A MINIMUM OF ONE INCH BY TWO INCH (1" X 2") WOOD OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF THREE (3) FEET.
   4. MAXIMUM STAKE SPACING SHALL BE THREE (3) FEET.
   5. CONSTRUCT A FOUR INCH BY FOUR INCH (4" X 4") TRENCH ALONG THE LINE OF THE STAKES AND UPSLOPE FROM THE BARRIER.
   6. THE FILTER MATERIAL IS EXTENDED INTO THE TRENCH.
   7. THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER MATERIAL.
   8. IF A FILTER BARRIER IS TO BE CONSTRUCTED ACROSS A DITCH LINE OR SWALE, THE BARRIER SHALL BE OF SUFFICIENT LENGTH TO ELIMINATE END FLOW, AND THE PLAN CONFIGURATION SHALL RESEMBLE AN ARC OR HORSESHOE. PLACEMENT OF FILTER BARRIER SHALL FOLLOW THE CONTOUR.

II. MAINTENANCE
   1. FILTER BARRIERS SHALL BE INSPECTED AFTER EACH RAIN EVENT.
   2. SEDIMENT REMOVAL SHALL OCCUR WHEN THE DEPOSITS REACH APPROXIMATELY ONE-THIRD THE HEIGHT OF THE BARRIER.
   3. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED, AND SEEDED.

D4 Silt Fence and Filter Barrier Placement

-MUST EXTEND THE FULL WIDTH OF INGRESS AND INGRESS OPERATION

C5 Stone Construction Entrance

N.T.S.

B5 Rock Check Dam, Typical

N.T.S.

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Lexington Cincinnati Cleveland Dallas Charleston

Revisions: ADDENDUM #3 SEPTIC REV. 2025.03.04 △1
Issue Date: January 23, 2025
Plot Date: March 4, 2025

Pendleton County, KY
Fire Dept.

2000 US-27
Falmouth, KY 41040

SWPPP

Project No.
24056

C-101

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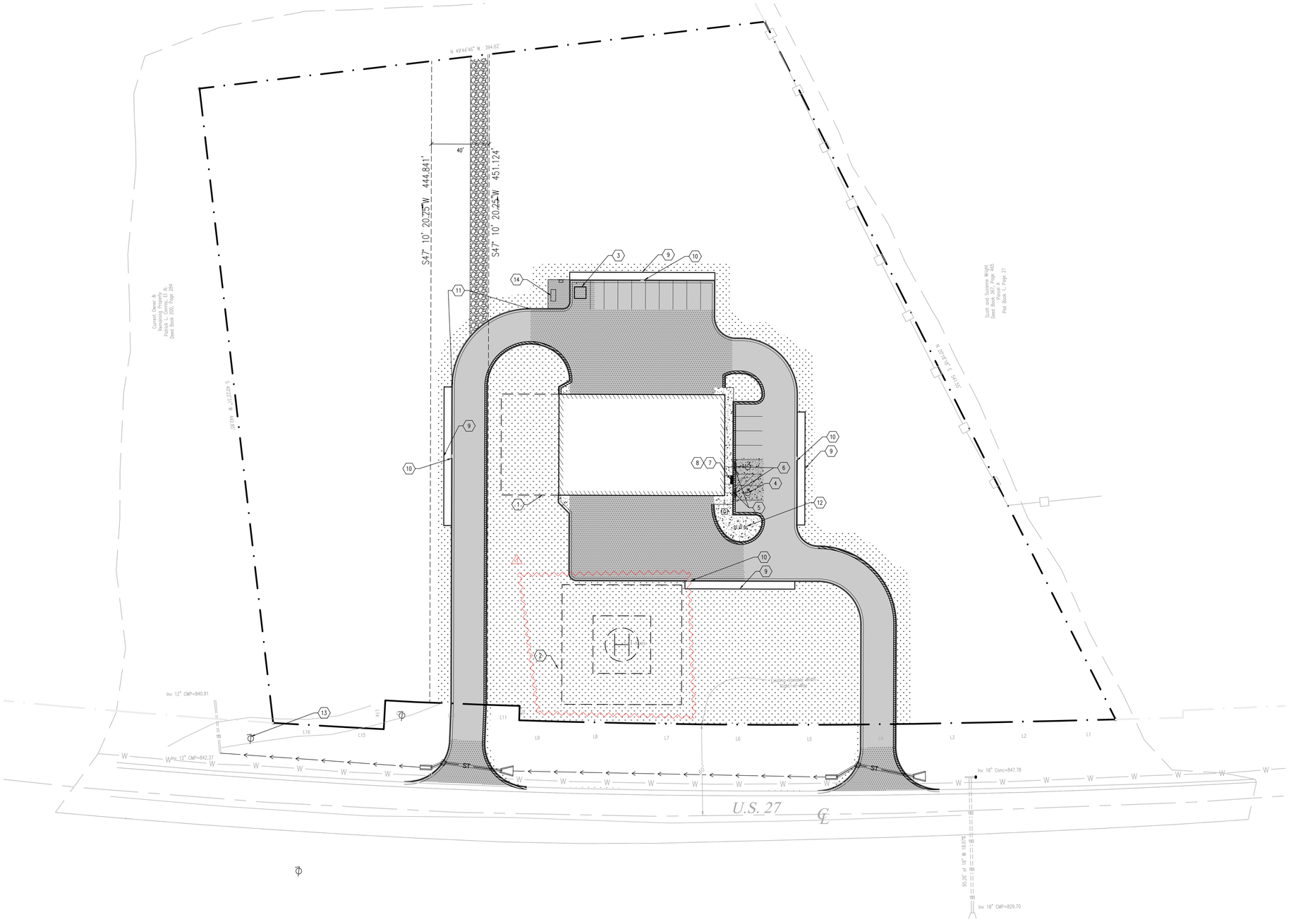

LINE	BEARING	DISTANCE
L1	S 44°26'06" E	39.35'
L2	S 44°16'46" E	49.87'
L3	S 44°04'56" E	49.57'
L4	S 43°42'36" E	49.52'
L5	S 43°09'06" E	49.39'
L6	S 42°35'16" E	49.41'
L7	S 42°03'06" E	49.47'
L8	S 41°41'26" E	49.51'
L9	S 41°09'51" E	27.50'
L10	S 48°50'09" W	10.00'
L11	S 41°09'51" E	21.95'
L12	S 40°46'51" E	49.19'
L13	S 39°54'01" E	22.08'
L14	N 50°05'59" E	20.00'
L15	S 39°54'01" E	27.26'
L16	S 39°40'56" E	49.53'

Layout & Materials

1"=30'-0"

TRUE NORTH

0 30' 60'

General Notes

1. EXISTING SITE PLAN CONDITIONS INDICATED ARE BASED UPON SURVEY PERFORMED BY OTHERS. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL CONDITIONS PRIOR TO BIDDING AND OR CONSTRUCTION.
2. THE CONTRACTOR SHALL MAINTAIN OWNER ACCESS TO SITE AND OR FACILITIES DURING CONSTRUCTION.
3. THE CONTRACTOR MUST COORDINATE ALL SITE STAGING/CONSTRUCTION ACTIVITIES WITH THE OWNER PRIOR TO COMMENCEMENT OF WORK.
4. CONTRACTOR TO FIELD VERIFY ACTUAL FIELD CONDITIONS PRIOR TO COMMENCING WORK.
5. ALL DISTURBED GRASS AREAS, ADJACENT TO OR IN THE CONSTRUCTION ZONE, SHALL BE PROPERLY FILLED WITH TOP SOIL AND COMPACTED AS REQUIRED TO REMOVE ALL RUTS AND OR SURFACE IRREGULARITIES. UPON COMPLETION OF FINISH GRADING, SOD OR SEED SHALL BE PLACED IN ACCORDANCE TO THE SPECIFICATIONS.
6. ALL NEW PAVEMENT AREAS SHALL BE CONSTRUCTED AS PER DETAILS AND SPECIFICATIONS.
7. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT ALL NEW AND RESURFACED PAVEMENT AREAS ALONG WITH MODIFIED GRASS AREAS ALLOW THE FOLLOWING: SLOPE DIRECTS RAINFALL AWAY FROM ALL STRUCTURES, AND PAVEMENT/GRASS AREAS ARE CONSTRUCTED IN A MANNER WHICH PROHIBIT ANY AND ALL PONDING.
8. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE PRESENCE OF EXISTING PIPING AND UTILITIES PRIOR TO CONSTRUCTION ACTIVITIES.

* ALL CURB NOT DESIGNATED AS MOUNTABLE OR REVERSE CURB SHALL BE STANDARD CURB & GUTTER, SEE C2/C-501

Legend

- HEAVY DUTY CONCRETE – SEE D2/C-501
- CONCRETE SIDEWALK – SEE D4/C-501
- LIGHT DUTY CONCRETE – SEE D3/C-501
- BASE BID – ASPHALT PAVEMENT – SEE D1/C-501
  ADD ALTERNATE No. 3 – HEAVY DUTY CONCRETE – SEE D2/C-501
- SOD, MINIMUM 2' STRIP OUTSIDE OF ALL HARDSCAPE
- SEEDED AREA
- GRAVEL ACCESS DRIVE, COMPACTED NO.57 STONE MIN 5" DEPTH
- REVERSE CURB AND GUTTER – SEE C4/C-501
- EJ — EXPANSION JOINT

Coded Notes

1. FUTURE BUILDING EXPANSION
2. FUTURE HELICOPTER PAD & CLEARANCE AREA
3. DUMPSTER LOCATION WITH BOLLARDS, SEE B1/C-501
4. ACCESSIBLE PARKING STALLS SEE E4/C-501
5. ADA PARKING SIGN, SEE E3/C-501
6. WHEEL STOP, SEE E2/C-501
7. ADA RAMP, SEE C1/C-501
8. TACTILE WARNING, SEE E1/C-501
9. LEVEL SPREADER, SEE GRADING PLAN AND E5/C-501
10. CURB CUT, SEE A1/C-501
11. BEGIN/END MOUNTABLE CONCRETE CURB & GUTTER C3/C-501
12. FLAG POLES & LIGHTING, SEE MEP PLANS
13. UTILITY POLE, SEE MEP PLANS
14. GENERATOR PAD, SEE MEP PLANS

Revisions: ADDENDUM #3 SEPTIC REV. 2025.03.04 ⚠1
Issue Date: January 23, 2025
Plot Date: March 4, 2025

Pendleton County, KY Fire Dept.

2000 US-27
Falmouth, KY 41040

Layout & Materials

Project No. 24056

C-102

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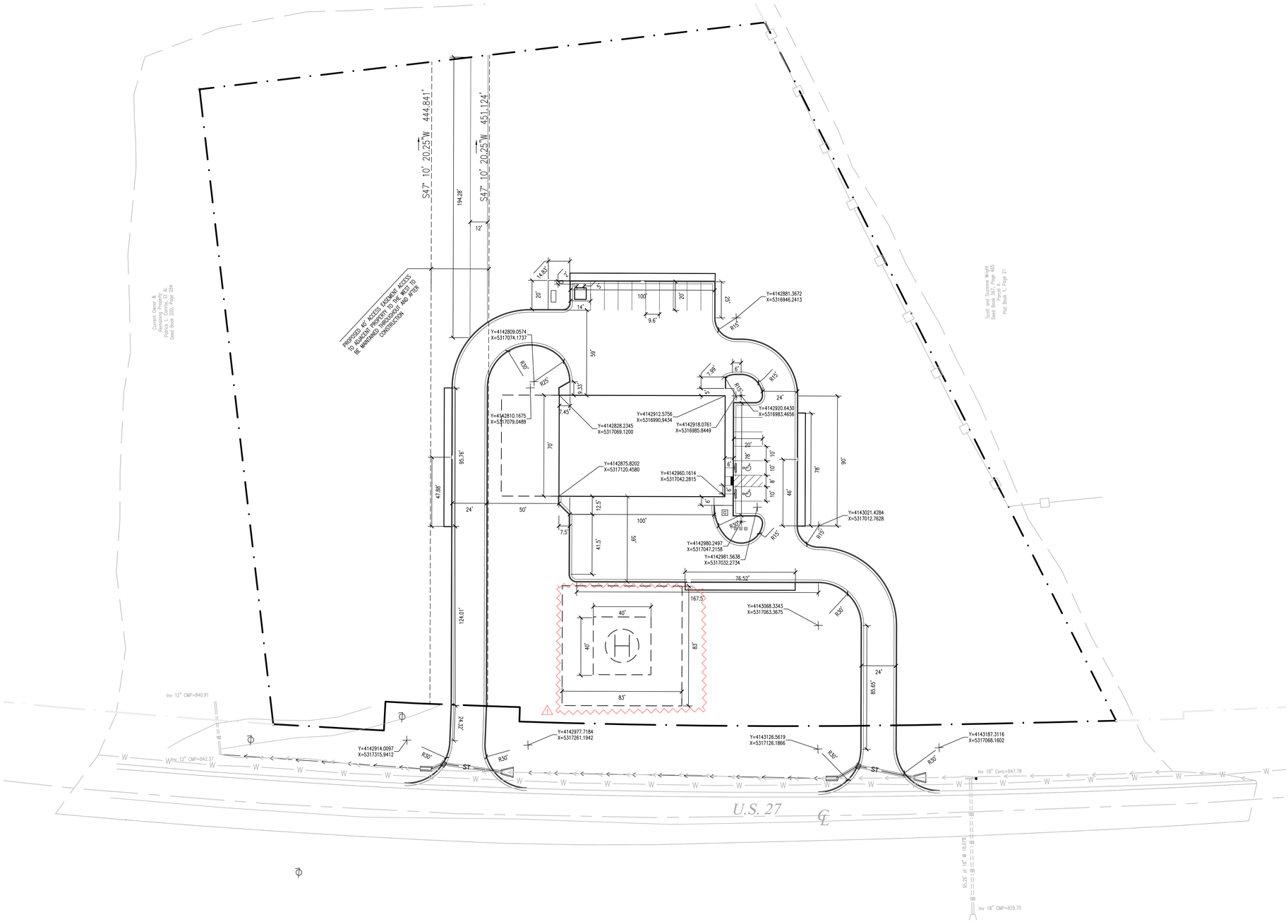

Dimensional Plan

1"=30'-0"

TRUE NORTH

0 30' 60'

General Notes

1. BEFORE PROCEEDING TO LAY OUT THE WORK, VERIFY LAYOUT INFORMATION SHOWN ON DRAWINGS, IN RELATION TO THE PROPERTY SURVEY AND EXISTING BENCHMARKS. IF DISCREPANCIES ARE DISCOVERED, NOTIFY THE ARCHITECT PROMPTLY.
2. LOCATE EXISTING PERMANENT BENCHMARKS, CONTROL POINTS, AND SIMILAR REFERENCE POINTS BEFORE BEGINNING THE WORK. PRESERVE AND PROTECT PERMANENT BENCHMARKS AND CONTROL POINTS DURING CONSTRUCTION OPERATIONS.
3. ESTABLISH AND MAINTAIN A MINIMUM OF TWO PERMANENT BENCHMARKS ON THE PROJECT SITE, REFERENCED TO DATA ESTABLISHED BY SURVEY CONTROL POINTS. COMPLY WITH AUTHORITIES HAVING JURISDICTION FOR TYPE AND SIZE OF BENCHMARK.
4. RECORD BENCHMARK LOCATIONS, WITH HORIZONTAL AND VERTICAL DATA, ON PROJECT RECORD DOCUMENTS.
5. CONTRACTOR SHALL PROVIDE COORDINATES FOR LOCATING ALL WORKING POINTS. CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING, PROTECTING, COORDINATING AND VERIFYING ALL SURVEY DATUM POINTS AND INFORMATION.
6. DO NOT SCALE DRAWINGS TO OBTAIN REQUIRED DIMENSIONS.
7. DIMENSIONS AND RADI SHOWN ARE TO THE FACE OF CURB.
8. UNLABLED RADI ARE 5'.

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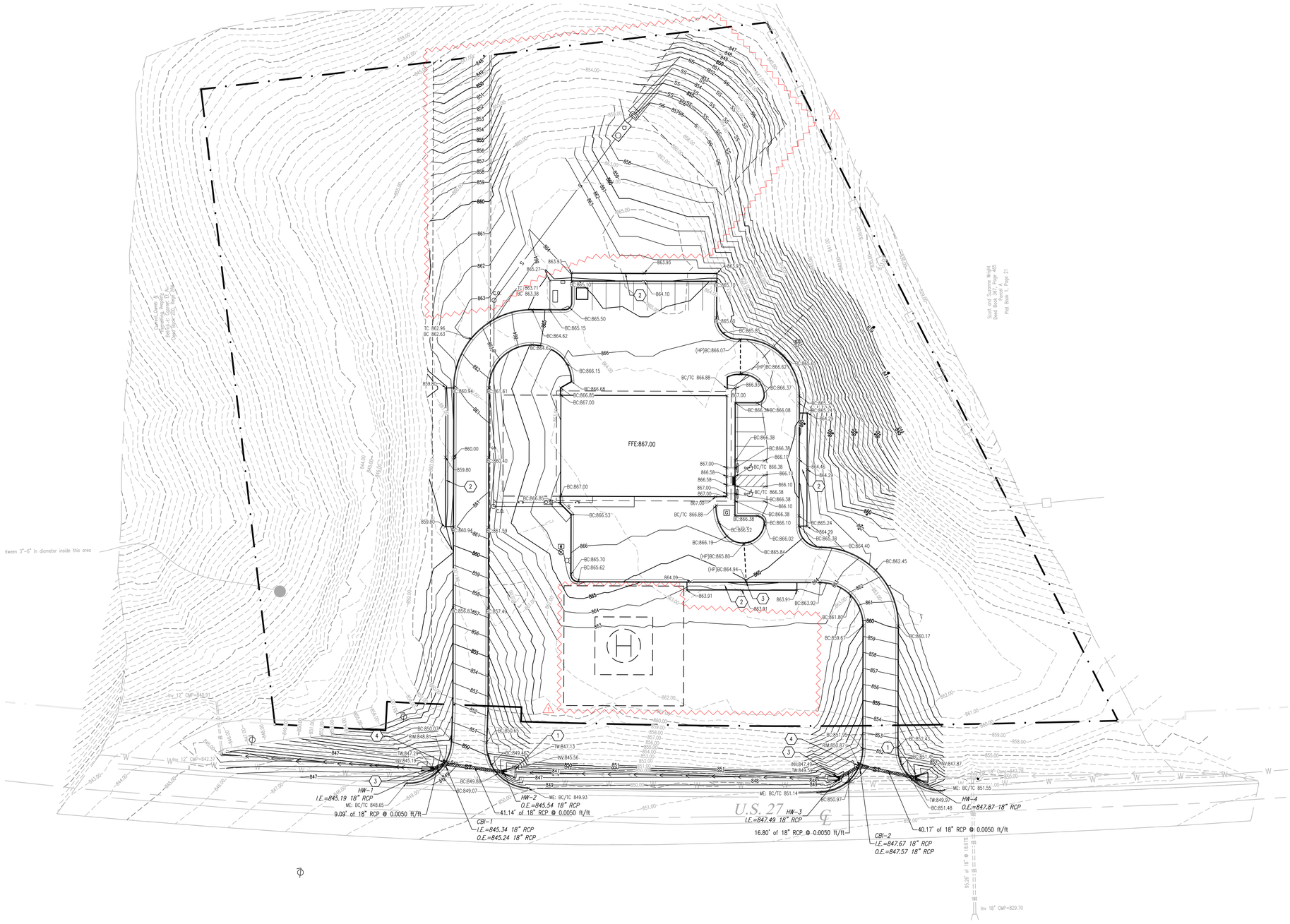
Dimensional Plan

Project No. 24056

C-103



Grading & Drainage Plan

1"=30'-0"

TRUE NORTH

0 30' 60'

General Notes

1. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL CONDITIONS PRIOR TO BIDDING AND OR CONSTRUCTION.
2. CONTRACTOR SHALL OBTAIN ALL GRADING AND PAVING PERMITS REQUIRED BEFORE COMMENCING WORK.
3. IT IS THE CONTRACTORS RESPONSIBILITY TO SAFEGUARD ITEMS WHICH ARE NOT AFFECTED BY THE SCOPE OF DESIGN/CONSTRUCTION OF THIS PROJECT. ANY AND ALL DAMAGES TO SAID ITEMS SHALL BE THE CONTRACTORS SOLE RESPONSIBILITY. AFFECTED ITEMS SHALL BE REPAIRED/REPLACED BY CONTRACTOR AT THE OWNERS DISCRETION AND TO THE OWNERS SATISFACTION.
4. LAND DISTURBANCE SHALL BE LIMITED TO THE LIMITS OF CONSTRUCTION SHOWN HEREON. NON-PAVED DISTURBED AREAS SHALL BE RE-VEGETATED WITH SEED AND MULCH AS SOON AS PRACTICAL AFTER GRADING OPERATIONS ARE COMPLETE. IN NO CASE SHALL DISTURBED AREAS REMAIN DENUDED FOR MORE THAN 14 DAYS WITHOUT STABILIZATION. DISTURBED AREAS OUTSIDE THE LIMITS OF CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
5. ALL SUBGRADES, SUBBASES, AND FILL SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR. FILL MATERIAL SHALL BE CONSTRUCTED IN HORIZONTAL LIFTS, NOT EXCEEDING 6 INCHES PRIOR TO COMPACTION.
6. THE CONTRACTOR SHALL REPAIR AND OR REPLACE AREAS OF ROADS OR SIDEWALKS DAMAGED DURING CONSTRUCTION ACTIVITIES AT THE OWNERS DISCRETION.
7. MAINTAIN COMPACTION RATES SPECIFIED FOR PAVEMENT SUBGRADE AT FILL ADJACENT TO WALKWAYS TO MINIMIZE SETTLEMENT.
8. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE PRESENCE OF EXISTING PIPING AND UTILITIES PRIOR TO CONSTRUCTION ACTIVITIES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL MODIFICATIONS TO EXISTING PIPING REQUIRED TO ACCOMMODATE NEW PIPING, STRUCTURES OR OTHER RELATED CONSTRUCTION ISSUES.
10. PIPING INDICATED ON SITE PLAN(S) IS TO AN EXTENT SCHEMATIC IN NATURE. NEW PIPING INDICATED MAY REQUIRE SHIFTING TO AVOID CONFLICT WITH EXISTING PIPING, UTILITIES, AND OR SITE FEATURES. FITTINGS ARE NOT SHOWN. THE CONTRACTOR SHALL PROVIDE ALL FITTINGS REQUIRED (INCLUDING FITTINGS REQUIRED TO TRANSITION OVER NEW AND EXISTING PIPING).
11. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THAT AREAS DRAIN, INCLUDING PAVED AREAS, SWALES AND PROPOSED STORM SYSTEMS. SHOULD ANY AREA NOT DRAIN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR RESOLUTION.
12. CONTRACTOR SHALL ENSURE THAT A MINIMUM OF 1% SLOPE IS MAINTAINED ON ALL PAVED AND UNPAVED AREAS.
13. CONTRACTOR TO MAINTAIN A MAXIMUM OF 2% CROSS SLOPE IN HANDICAP ACCESSIBLE AREAS.
14. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THAT PROPOSED IMPROVEMENTS WILL BLEND SMOOTHLY INTO EXISTING FEATURES AND WILL MEET AND MATCH EXISTING CONDITIONS. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
15. THE CONTRACTOR SHALL PROVIDE DISPOSAL SITE FOR ALL EXCESS WASTE AND FOLLOW ALL GOVERNING RULES REGULATING DISPOSAL.
16. PROPOSED CONTOURS AND SPOT ELEVATIONS REFLECT FINISH GRADE ELEVATIONS.
17. PROPOSED SPOT ELEVATIONS ARE APPROXIMATE BASED OFF BASE INFORMATION SHOWN. CONTRACTOR TO MATCH FLUSH WITH EXISTING CONDITIONS WHERE APPROPRIATE AND ENSURE POSITIVE DRAINAGE. SHOULD ANY DISCREPANCIES ARISE, CONTRACTOR SHALL NOTIFY THE ENGINEER.

Legend

790	EXISTING CONTOURS
790	PROPOSED CONTOURS
ST	STORM SEWER CULVERT
	PROPOSED DITCH LINE
	EXISTING DITCH LINE
	FOUNDATION DRAIN DAYLIGHT ONTO SLOPE
	RIDGE LINE GRADE CHANGE
ME	MATCH EXISTING
BC	BOTTOM OF CURB – NOTE: TOP OF CURB ELEV. IS 6" ABOVE BC ELEV. UNLESS OTHERWISE NOTED
TW	TOP OF HEADWALL
TC	TOP OF CURB

Coded Notes

1. KYTC SLOPED & FLARED INLET/OUTLET RDB-105-06, SEE C-501
2. LEVEL SPREADER, SEE XX/C-501
3. KYTC SLOPED BOX OUTLET RDB-100-05, SEE C-501
4. CURB BOX INLET, SEE C5/C-501

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Lexington Cincinnati Cleveland Dallas Charleston

Revisions: ADDENDUM #3 SEPTIC REV. 2025.03.04 ⚠1
Issue Date: January 23, 2025
Plot Date: March 4, 2025

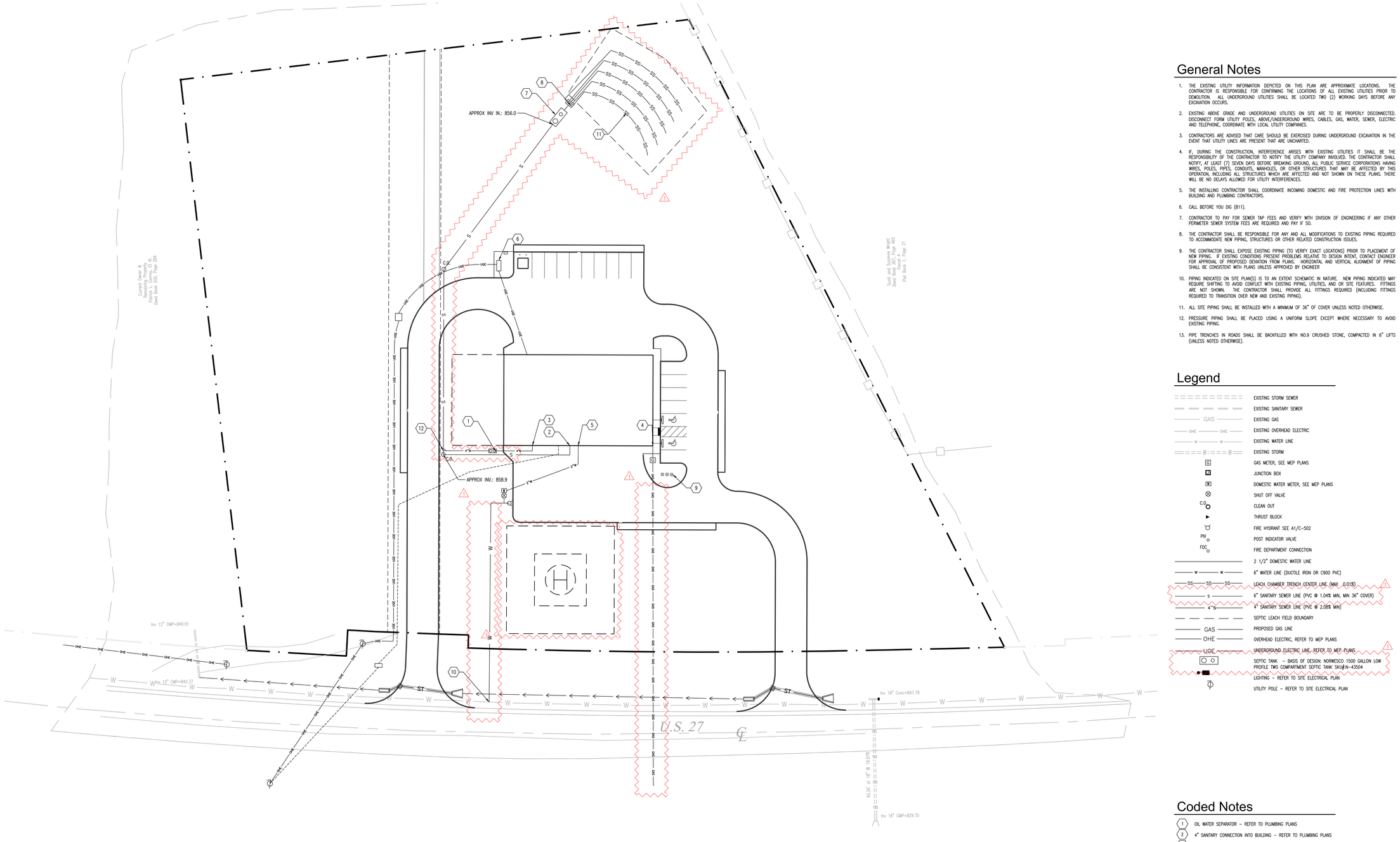
Pendleton County, KY Fire Dept.

2000 US-27
Falmouth, KY 41040

Grading & Drainage Plan

Project No. 24056

C-104



Utility Plan

1"=30'-0"

TRUE NORTH

0 30' 60'

Septic Notes

1. CONTRACTOR IS RESPONSIBLE FOR MEETING THE REQUIREMENTS GIVEN HEREIN AND IN KAR TITLE 902 CHAPTER 010 REGULATION 085. CONTRACTOR SHALL SELECT SUBMIT APPLICATION FOR CONSTRUCTION PERMIT TO THREE RIVERS HEALTH DEPARTMENT. CONTRACTOR SHALL SELECT SEPTIC TANK, DISTRIBUTION BOX, OIL/WATER SEPARATOR, ETC. TO MEET THE REQUIREMENTS GIVEN AND TO BE APPROVED BY THE THREE RIVERS HEALTH DEPARTMENT.

2. CONTRACTOR SHALL UTILIZE INSTALLATION OF MULTIPLE COMPARTMENT SEPTIC TANKS. THE FIRST COMPARTMENT RECEIVING RAW SEWAGE FROM THE RESIDENCE SHALL BE HAVE MINIMUM CAPACITY OF 1000 GALLONS.
   2.1. THE SECOND COMPARTMENT SHALL HAVE A TOTAL CAPACITY EQUAL TO AT LEAST FIFTY (50) PERCENT OF THE FIRST COMPARTMENT; OR PERMANENT INSTALLATION OF EFFLUENT FILTERS. THE EFFLUENT FILTER SHALL BE A MAXIMUM SCREEN SIZE OF ONE-SIXTEENTH (1/16) INCH AND SHALL BE INSTALLED EITHER INSIDE OR FOLLOWING A PROPERLY-SIZED SEPTIC TANK. ACCESS TO FILTERS SHALL BE PROVIDED TO FINISHED GRADE.
   2.2.

3. SEPTIC TANKS AND OTHER PRETREATMENT UNITS, DOSING TANKS, AND HOLDING TANKS SHALL BE INSTALLED LEVEL.
   3.1. CONNECTIONS TO THE UNIT THAT CONDUCT SEWAGE OR EFFLUENT AND UNIT JOINTS OR SEAMS SHALL BE WATERTIGHT.
   3.2. MANUFACTURER'S INSTRUCTIONS ON INSTALLATION AND PIPING AND ELECTRICAL CONNECTIONS TO THE UNIT, SHALL BE FOLLOWED BY THE INSTALLER.
   3.3. A UNIT SHOWING STRUCTURAL DAMAGE ON DELIVERY OR DAMAGED IN PLACEMENT SHALL BE REPLACED WITH AN UNDAMAGED UNIT.
   3.4. PATCHING OF MINOR DAMAGE THAT DOES NOT AFFECT THE STRUCTURAL INTEGRITY, WATERTIGHTNESS, OR FUNCTION OF THE UNIT SHALL BE DONE UNDER THE SUPERVISION OF THE CERTIFIED INSPECTOR.

4. THE CERTIFIED INSTALLER SHALL PROVIDE ACCESS TO FINISHED GRADE ABOVE THE OUTLET END MANHOLE ON EACH SEPTIC TANK THROUGH THE USE OF SUITABLE MANHOLE RISERS OF A MINIMUM EIGHTEEN (18) INCHES INTERNAL DIMENSION TO ALLOW REMOVAL OF THE TANK MANHOLE LID.
   4.1. THE MANHOLE RISERS SHALL BE PROVIDED WITH TAMPER-RESISTANT LIDS OR COVERS. LIDS OR COVERS OF PRECAST CONCRETE, CAST IRON, OR STEEL SHALL BE CONSIDERED TAMPER-RESISTANT IF WEIGHING SIXTY (60) POUNDS OR MORE AND REQUIRE A VERTICAL LIFT FOR REMOVAL.
   4.2. LIDS OR COVERS OF SHEET METAL, PLASTIC, OR FIBERGLASS SHALL BE ATTACHED BY BOLTS OR OTHER SUITABLE FASTENER REQUIRING A TOOL FOR REMOVAL.

5. AN EQUAL FLOW DISTRIBUTION BOX SHALL BE INSTALLED ON A STABLE BASE TO PREVENT SETTLING.
   5.1. A PLASTIC OR FIBERGLASS EQUAL FLOW OR LEVEL BOX SHALL BE SECURELY ANCHORED TO A POURED CONCRETE BASE A MINIMUM OF FOUR (4) INCHES THICK AND EXTENDING ON ALL SIDES OF THE BOX SIDE WALLS AT LEAST FOUR (4) INCHES.

6. OUTLET PIPING OF AN EQUAL FLOW BOX SHALL BE EXTENDED PAST THE INSIDE SIDE WALL OF THE BOX AT LEAST THREE-FOURTHS (3/4) OF AN INCH BUT NO GREATER THAN ONE (1) INCH TO ALLOW ATTACHMENT OF WATER LEVELING DEVICES.

7. APPROVED NONPERFORATED PIPE SHALL BE USED AS LEADER PIPING TO CONNECT AN OUTLET IN A DISTRIBUTION BOX TO EACH PERFORATED LATERAL LINE IN THE GRAVITY DISTRIBUTION SYSTEM AND SHALL EXTEND TWO (2) FEET INTO ALL TRENCHES OR BEDS BEFORE CONNECTION TO PERFORATED LATERAL LINE.
   7.1. THE LEADER PIPING EXCAVATION SHALL BE MANUALLY FILLED WITH TIGHTLY TAMPED SOIL.

8. LEADER PIPING CONNECTED TO EQUAL FLOW BOXES SHALL BE INSTALLED AT NO GREATER THAN ONEEIGHTH (1/8) INCH PER FOOT SLOPE FOR THE FIRST FIVE (5) FEET OF RUN FROM THE BOX TO RESTRICT THE FLOW VELOCITY OF EFFLUENT.
   8.1. CONTRACTOR SHALL EXCAVATE FIVE (5) THREE (3) FOOT WIDE TRENCHES IN EQUAL LENGTHS OF 74 FEET FOR A TOTAL OF 370 FEET. EACH SPACED EIGHT (8) FEET APART MEASURED FROM SIDE WALL TO SIDE WALL.
   8.2. A SIX (6) INCH DEEP LAYER OF APPROVED TRENCH ROCK OR OTHER FILL MATERIAL SHALL BE CAREFULLY PLACED IN THE TRENCH OR BED TO PREVENT SEALING OF ABSORPTION SURFACES FROM FILL IMPACT, AND LEVELED.
   8.3. LATERAL PIPING SHALL BE PLACED AND LEVELED ON THE TRENCH FILL MATERIAL IN THE CENTER OF THE TRENCH (OR PROPERLY SPACED IN BEDS) AND RETAINED IN PLACE TO PREVENT MOVEMENT, WHILE ADDITIONAL TRENCH FILL MATERIAL IS ADDED TO A POINT TWO (2) INCHES ABOVE THE TOP OF THE TOP OF THE LATERAL PIPING, FOR A TOTAL OF TWELVE (12) INCHES OF TRENCH FILL MATERIAL.
   8.4. A FOUR (4) INCH LAYER OF APPROVED BARRIER MATERIAL, WHOLE STRAW, OR A SINGLE LAYER OF SYNTHETIC FILTER FABRIC SHALL THEN BE PLACED OVER THE TRENCH FILL MATERIAL TO PREVENT ENTRY OF BACKFILL SOIL FINES.

9. THE LEACH CHAMBERS SHALL BE INSTALLED 6" BELOW EXISTING GRADE WITH 18" OF "GROUP III" SOIL OR BETTER PLACED ON TOP OF THE LEACH FIELD
   9.1. FILL SHALL BE EXTENDED ON ALL SIDES OF THE LATERAL FIELD TO A MINIMUM DISTANCE OF TEN (10) FEET, EXCEPT ON SLOPING SITES WHERE THE FILL ON EACH END OF THE SYSTEM SHALL EXPAND OUTWARD TO A MINIMUM OF FIFTEEN (15) FEET AT THE LOWEST POINT DOWNSLOPE, AND THE FILL AT THE DOWNSLOPE SIDE OF THE SYSTEM SHALL BE INCREASED TO A MINIMUM OF FIFTEEN (15) FEET BEYOND THE SYSTEM.

10. BACKFILLING OF LATERAL TRENCHES OR DRAINAGE TRENCHES SHALL BE ACCOMPLISHED WITH MINIMAL COMPACTION OF SOIL FILL, AND SOIL FILL MATERIAL SHALL BE LEFT MOUNDED FOUR (4) TO SIX (6) INCHES ABOVE GRADE OVER TRENCHES TO ALLOW FOR SETTLING.
    10.1. BACKFILLING OVER LATERAL BEDS SHALL BE ACCOMPLISHED THROUGH THE USE OF LIGHTWEIGHT WHEELED OR CRAWLER TYPE TRACTORS TO MINIMIZE SOIL COMPACTION, AND SOIL FILL MATERIAL SHALL BE LEFT MOUNDED FOUR (4) TO SIX (6) INCHES ABOVE GRADE TO ALLOW FOR SETTLING.
11. BACKFILLING SHALL NOT BE DONE UNTIL AFTER THE SYSTEM HAS BEEN INSPECTED AND APPROVED TO THAT POINT OF CONSTRUCTION BY A CERTIFIED INSPECTOR

12. FINISH GRADING OVER THE ON-SITE SEWAGE SYSTEM SHALL BE PERFORMED TO MINIMIZE SOIL COMPACTION THROUGH THE USE OF LIGHTWEIGHT EQUIPMENT.
    12.1. GRADING SHALL BE RESTRICTED TO WORK NECESSARY TO PROVIDE POSITIVE SURFACE DRAINAGE AWAY FROM THE SYSTEM, ESPECIALLY THE LATERAL FIELD.
    12.2. FINAL GRADING OVER STAKED OR FLAGGED SYSTEM COMPONENTS SHALL BE ACCOMPLISHED MANUALLY OR WITH LIGHTWEIGHT EQUIPMENT, USING EXTREME CARE TO PREVENT DAMAGE TO OR MISALIGNMENT OF COMPONENTS.
13. FINISH GRADING WORK THAT REMOVES SOIL FROM THE SYSTEM AREA, OR THAT RESULTS IN THAT AREA BEING USED TO DISPOSE OF EXCESS SOIL GRADED FROM OTHER AREAS ON THE SITE, SHALL BE PROHIBITED.

General Notes

1. THE EXISTING UTILITY INFORMATION DEPICTED ON THIS PLAN ARE APPROXIMATE LOCATIONS. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO DEMOLITION. ALL UNDERGROUND UTILITIES SHALL BE LOCATED TWO (2) WORKING DAYS BEFORE ANY EXCAVATION OCCURS.
2. EXISTING ABOVE GRADE AND UNDERGROUND UTILITIES ON SITE ARE TO BE PROPERLY DISCONNECTED. DISCONNECT FORM UTILITY POLES, ABOVE/UNDERGROUND WIRES, CABLES, GAS, WATER, SEWER, ELECTRIC AND TELEPHONE, COORDINATE WITH LOCAL UTILITY COMPANIES.
3. CONTRACTORS ARE ADVISED THAT CARE SHOULD BE EXERCISED DURING UNDERGROUND EXCAVATION IN THE EVENT THAT UTILITY LINES ARE PRESENT THAT ARE UNCHARTED.
4. IF, DURING THE CONSTRUCTION, INTERFERENCE ARISES WITH EXISTING UTILITIES IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE UTILITY COMPANY INVOLVED. THE CONTRACTOR SHALL NOTIFY, AT LEAST (7) SEVEN DAYS BEFORE BREAKING GROUND, ALL PUBLIC SERVICE CORPORATIONS HAVING WIRES, POLES, PIPES, CONDUITS, MANHOLES, OR OTHER STRUCTURES THAT MAY BE AFFECTED BY THIS OPERATION, INCLUDING ALL STRUCTURES WHICH ARE AFFECTED AND NOT SHOWN ON THESE PLANS. THERE WILL BE NO DELAYS ALLOWED FOR UTILITY INTERFERENCES.
5. THE INSTALLING CONTRACTOR SHALL COORDINATE INCOMING DOMESTIC AND FIRE PROTECTION LINES WITH BUILDING AND PLUMBING CONTRACTORS.
6. CALL BEFORE YOU DIG (811).
7. CONTRACTOR TO PAY FOR SEWER TAP FEES AND VERIFY WITH DIVISION OF ENGINEERING IF ANY OTHER PERIMETER SEWER SYSTEM FEES ARE REQUIRED AND PAY IF SO.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL MODIFICATIONS TO EXISTING PIPING REQUIRED TO ACCOMMODATE NEW PIPING, STRUCTURES OR OTHER RELATED CONSTRUCTION ISSUES.
9. THE CONTRACTOR SHALL EXPOSE EXISTING PIPING (TO VERIFY EXACT LOCATIONS) PRIOR TO PLACEMENT OF NEW PIPING. IF EXISTING CONDITIONS PRESENT PROBLEMS RELATIVE TO DESIGN INTENT, CONTACT ENGINEER FOR APPROVAL OF PROPOSED DEVIATION FROM PLANS. HORIZONTAL AND VERTICAL ALIGNMENT OF PIPING SHALL BE CONSISTENT WITH PLANS UNLESS APPROVED BY ENGINEER
10. PIPING INDICATED ON SITE PLAN(S) IS TO AN EXTENT SCHEMATIC IN NATURE. NEW PIPING INDICATED MAY REQUIRE SHIFTING TO AVOID CONFLICT WITH EXISTING PIPING, UTILITIES, AND OR SITE FEATURES. FITTINGS ARE NOT SHOWN. THE CONTRACTOR SHALL PROVIDE ALL FITTINGS REQUIRED (INCLUDING FITTINGS REQUIRED TO TRANSITION OVER NEW AND EXISTING PIPING).
11. ALL SITE PIPING SHALL BE INSTALLED WITH A MINIMUM OF 36" OF COVER UNLESS NOTED OTHERWISE.
12. PRESSURE PIPING SHALL BE PLACED USING A UNIFORM SLOPE EXCEPT WHERE NECESSARY TO AVOID EXISTING PIPING.
13. PIPE TRENCHES IN ROADS SHALL BE BACKFILLED WITH NO.9 CRUSHED STONE, COMPACTED IN 6" LIFTS (UNLESS NOTED OTHERWISE).

Legend

- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING GAS
- EXISTING OVERHEAD ELECTRIC
- EXISTING WATER LINE
- EXISTING STORM
- GAS METER, SEE MEP PLANS
- JUNCTION BOX
- DOMESTIC WATER METER, SEE MEP PLANS
- SHUT OFF VALVE
- CLEAN OUT
- THRUST BLOCK
- FIRE HYDRANT SEE A1/C-502
- POST INDICATOR VALVE
- FIRE DEPARTMENT CONNECTION
- 2 1/2" DOMESTIC WATER LINE
- 6" WATER LINE (DUCTILE IRON OR C900 PVC)
- LEACH CHAMBER TRENCH CENTER LINE (MAX -0.01ft)
- 6" SANITARY SEWER LINE (PVC @ 1.04% MIN, MIN 36" COVER)
- 4" SANITARY SEWER LINE (PVC @ 2.08% MIN)
- SEPTIC LEACH FIELD BOUNDARY
- PROPOSED GAS LINE
- OVERHEAD ELECTRIC, REFER TO MEP PLANS
- UNDERGROUND ELECTRIC LINE, REFER TO MEP PLANS
- SEPTIC TANK – BASIS OF DESIGN: NORWESCO 1500 GALLON LOW PROFILE TWO COMPARTMENT SEPTIC TANK SKU#N-43504
- LIGHTING – REFER TO SITE ELECTRICAL PLAN
- UTILITY POLE – REFER TO SITE ELECTRICAL PLAN

Coded Notes

1. OIL WATER SEPARATOR – REFER TO PLUMBING PLANS
2. 4" SANITARY CONNECTION INTO BUILDING – REFER TO PLUMBING PLANS
3. CONNECTION TO TRENCH DRAIN IN BAYS – REFER TO PLUMBING PLANS
4. GAS CONNECTION INTO BUILDING – REFER TO MECHANICAL PLANS
5. DOMESTIC WATER CONNECTION INTO BUILDING – REFER TO PLUMBING PLANS
6. GENERATOR – REFER TO ELECTRICAL PLANS
7. SEPTIC TANK
8. EQUAL FLOW DISTRIBUTION BOX
9. FLAG POLES AND LIGHTS, SEE MEP PLANS
10. 6" TAPPING SLEEVE & VALVE
11. INSTALL LEACH LINES PARALLEL TO CONTOUR LINES, SEE GRADING PLAN
12. 6"x6"x4" WYE

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Pendleton County, KY Fire Dept.

2000 US-27
Falmouth, KY 41040

Utility Plan

Project No. 24056

C-105

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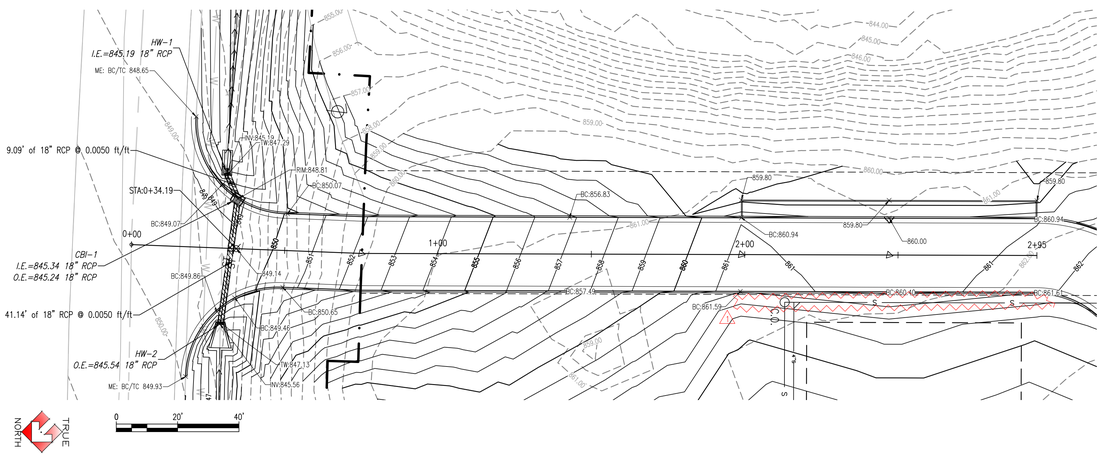
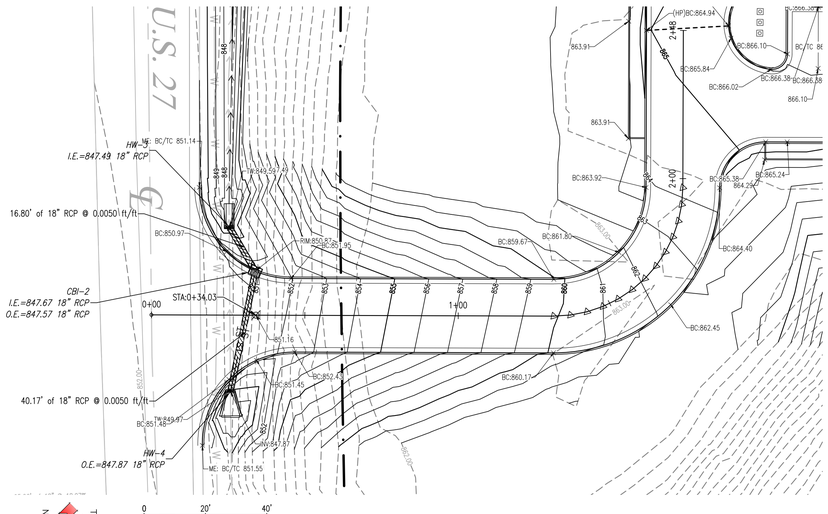
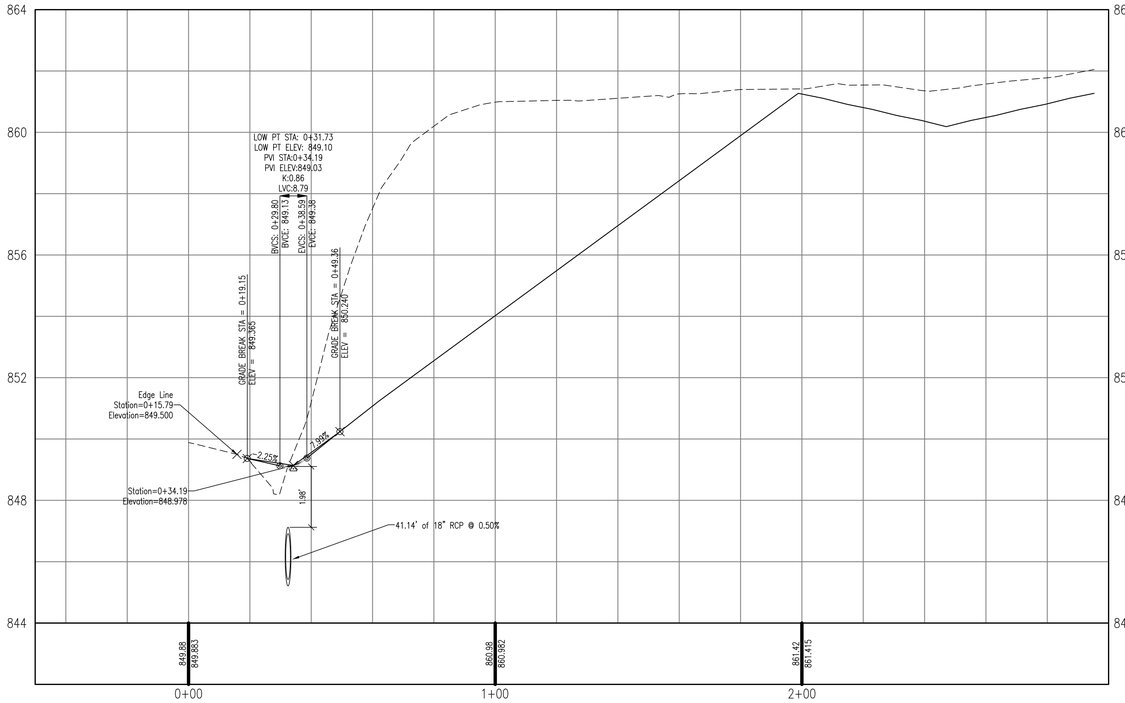
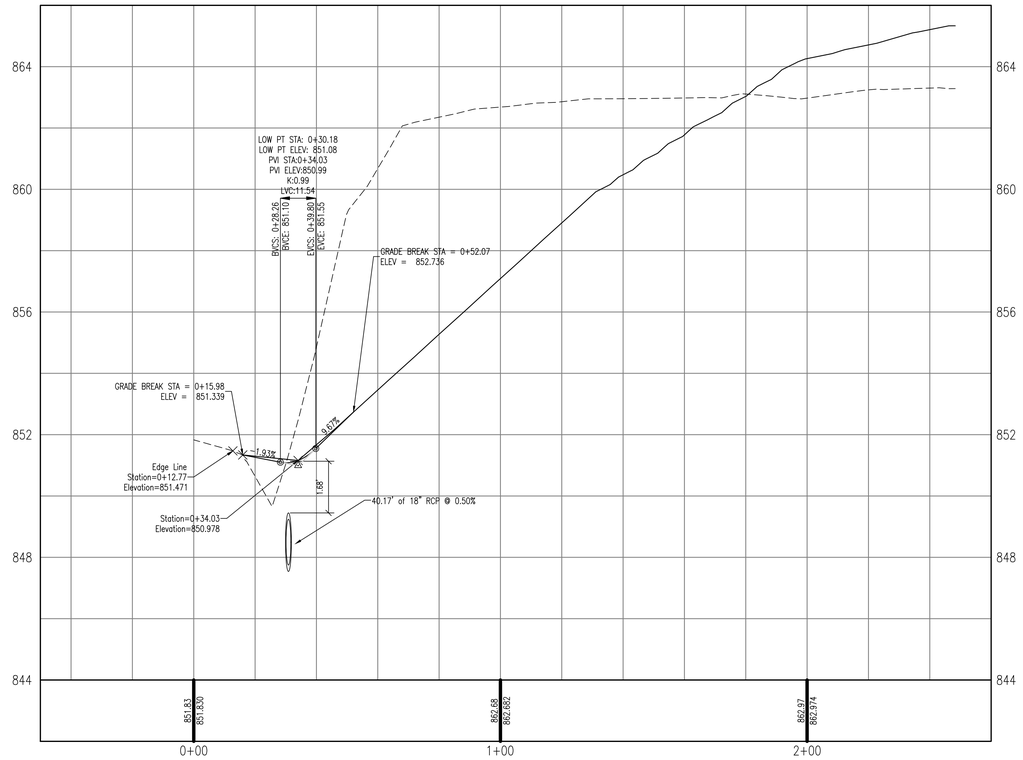




South Drive PROFILE



North Drive PROFILE



Road Profiles

Horizontal Scale: 1"=20'-0", Vertical Scale: 1"=2'-0"

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Falmouth, KY 41040

Road Profiles

Project No. 24056

C-201

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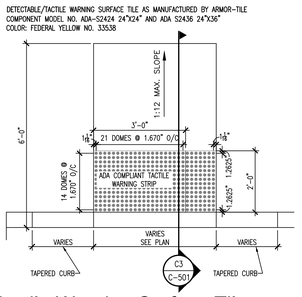
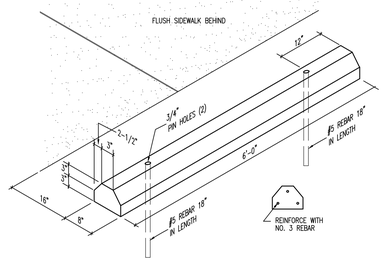
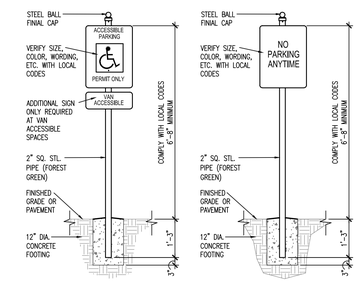


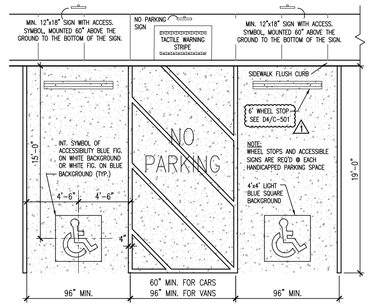
E1 Tactile Warning Surface Tile
1/2"=1'-0"



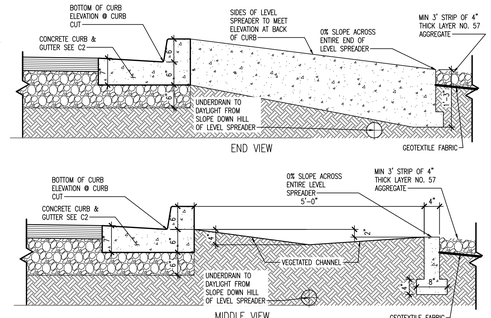
E2 Precast Concrete Wheel Stop
3/4"=1'-0"



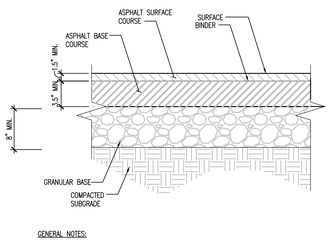
E3 Accessible Parking Sign
1/2"=1'-0"



E4 Pavement Marking Layout
N.T.S.

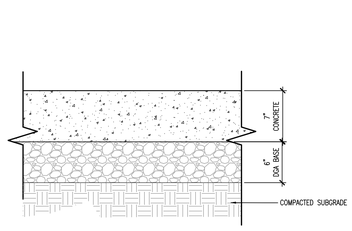


E5 Level Spreader
3/4"=1'-0"



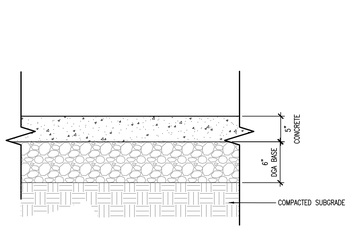
GENERAL NOTES:
1. REFER TO THE GEOTECHNICAL REPORT FOR DRIVING LANE FLEXURAL ASPHALT PAVEMENT CONSTRUCTION AND ADDITIONAL NOTES.

D1 Heavy Duty Vehicular Asphalt
N.T.S.



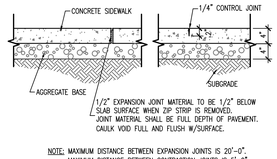
GENERAL NOTES:
1. REFER TO THE GEOTECHNICAL REPORT FOR CONCRETE PAVEMENT CONSTRUCTION AND ADDITIONAL NOTES.

D2 Heavy Duty Concrete Entrance Apron / Pavement
1"=1'-0"



GENERAL NOTES:
1. REFER TO THE GEOTECHNICAL REPORT FOR CONCRETE PAVEMENT CONSTRUCTION AND ADDITIONAL NOTES.

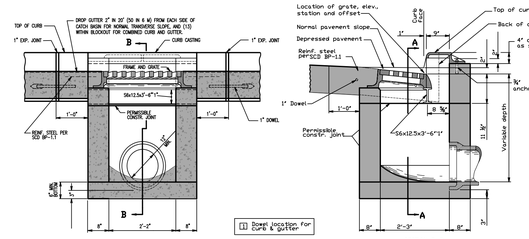
D3 Light Duty Concrete Pavement
1"=1'-0"

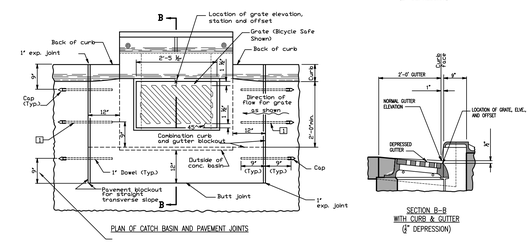


1/2" EXPANSION JOINT MATERIAL TO BE 1/2" BELOW SLAB SURFACE WHEN ZIP STRIP IS REMOVED. JOINT MATERIAL SHALL BE FULL DEPTH OF PAVEMENT. CAULK VOID FULL AND FLUSH W/SURFACE.

NOTE: MAXIMUM DISTANCE BETWEEN EXPANSION JOINTS IS 20'-0". MAXIMUM DISTANCE BETWEEN CONTRACTION JOINTS IS 5'-0".

D4 Concrete Walk/Pad w/Expansion & Contraction Joint
3/4"=1'-0"





GENERAL NOTES:
1. ALL CONCRETE SHALL BE K.D.O.T. CLASS "A" CONCRETE. EXPANSION JOINT ARE REQUIRED AT A MINIMUM OF 50' INTERVALS. CONTRACTION JOINTS ARE REQUIRED OF A MINIMUM OF 10' INTERVALS.
2. 2" MINIMUM LEFT OF COMPACTED DENSE GRADE AGGREGATE.
3. EXPANSION JOINT SHALL BE USED WHEN SIDEWALK/DRIVE ENTRANCE IS FLUSH TO BACK OF CURB.

THE FOLLOWING TEXT SHALL BE CAST INTO THE TOP OF THE GRATE:
"DUMP NO WASTE"
AND
"DRAINS TO WATERWAY"
TEXT SHALL BE PRINTED IN BOLD, CAPITAL LETTERS WITH A MINIMUM HEIGHT OF 2". "WATERWAY MAY BE SUBSTITUTED WITH "STREAM", "RIVER", "LAKE", ETC. ACTUAL PLACEMENT AND LOGO MAY VARY PER MANUFACTURER.

NOTES

GRATE: THE GRATE "V" SHALL BE PROVIDED UNLESS THE PLANS SPECIFICALLY REQUIRE THE DIAGONAL GRATE. IF THE DIAGONAL GRATE IS SPECIFIED, IT SHALL BE PLACED SO THAT THE DIAGONAL BARS DIRECT DRAINAGE FLOW TOWARD THE CURB.

CASTINGS: THE DESIGN SHALL BE ESSENTIALLY THE SAME AND EQUALLY AS STRONG AS THOSE SHOWN. MINIMUM WEIGHT:

CURB CASTING	170 lbs.
STANDARD GRATE	127 lbs.
FRAME	320 lbs. and
GRATE "V"	150 lbs.

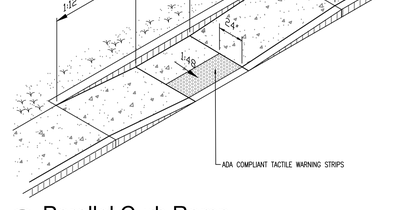
LIGHTER WEIGHT FRAMES AND GRATES THAT MEET THE REQUIREMENTS OF CMS 711.14 MAY ALSO BE PROVIDED. GRATE OPENINGS AND DIMENSIONS SHALL NOT DIFFER FROM THOSE SHOWN UNLESS OTHERWISE SHOWN IN THE PLANS.

BEARING AREAS: THE FRAME AND GRATE SHALL BE SO FITTED AND FINISHED AS TO PROVIDE A FIRM AND EVEN SEAT. NO PROJECTIONS SHALL EXIST ON BEARING AREAS OF EITHER CASTING AND THE GRATE SHALL SEAR IN ITS FRAME WITHOUT ROCKING.

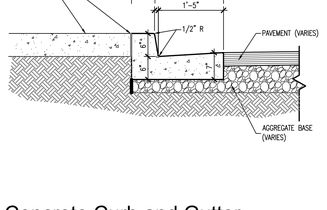
PRECAST CONSTRUCTION: PERMITTED, EXCEPT FOR THE APRON. CONCRETE SHALL MEET THE REQUIREMENTS OF CMS 706.13. PRECAST WALLS SHALL HAVE A MINIMUM THICKNESS OF 6" AND REINFORCING SHALL BE SUFFICIENT TO PERMIT SHIPPING AND PLACEMENT WITHOUT DAMAGE. THE WALL THICKNESS REDUCTION SHALL BE FROM THE OUTSIDE.

OPENINGS: PIPE OPENINGS SHALL BE THE O.D. OF THE PIPE BEING SUPPLIED PLUS 2" WHEN FABRICATED OR FIELD CUT. THE INTERSTITIAL SPACE SHALL BE FILLED WITH GROUT PER CMS 601.

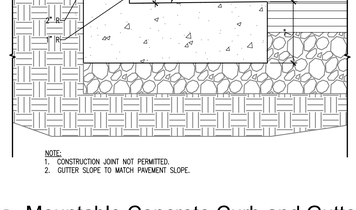
DOWELS: FOUR 1"X18" DOWELS ARE REQUIRED FOR CONCRETE PAVEMENT OR GUTTER BLOCKOUT.



C1 Parallel Curb Ramp
N.T.S.



C2 Concrete Curb and Gutter
3/4"=1'-0"

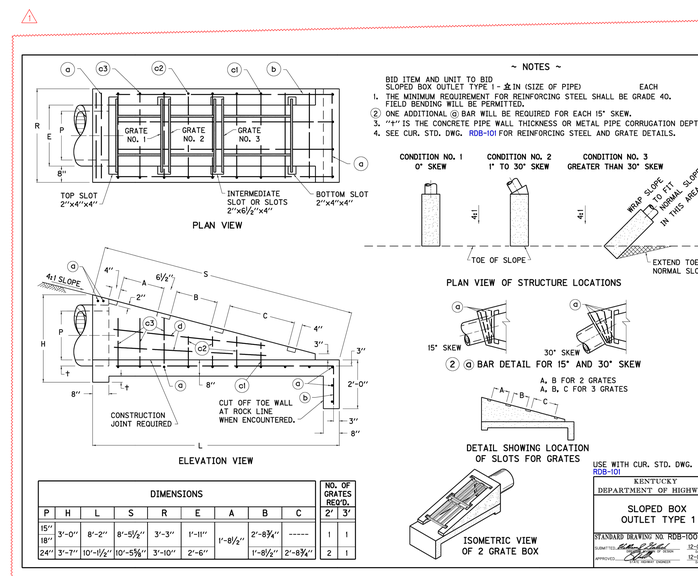


NOTE:
1. CONSTRUCTION JOINT NOT PERMITTED.
2. GUTTER SLOPE TO MATCH PAVEMENT SLOPE.

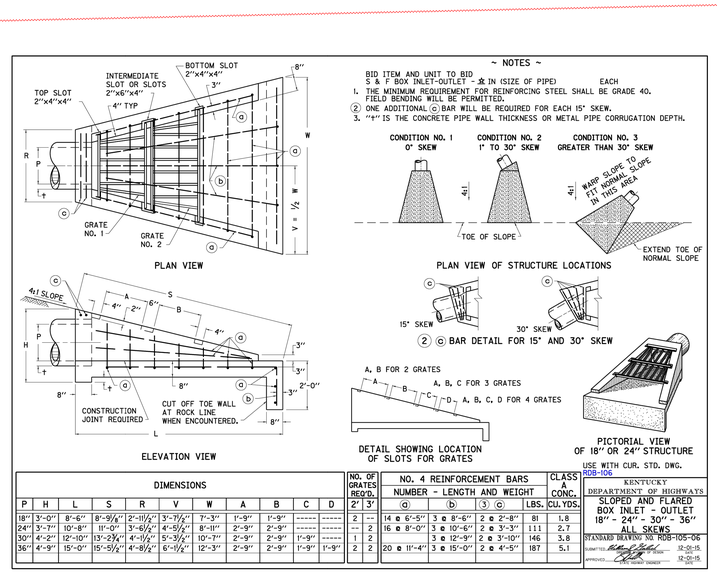
C3 Mountable Concrete Curb and Gutter
1 1/2"=1'-0"

C4 Reverse Curb & Gutter
N.T.S.

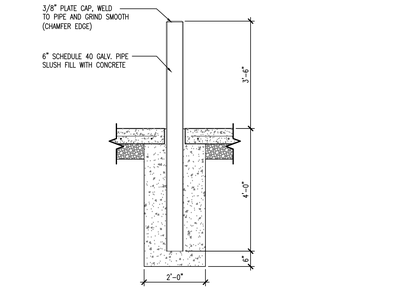
C5 Curb Box Inlet (CBI)
1/2"=1'-0"



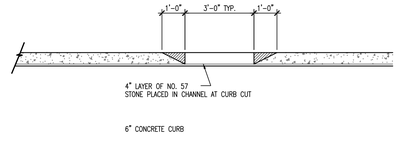
DIMENSIONS										NO. OF GRATES REQ'D.	
P	H	L	S	R	E	A	B	C		2'	3'
15"	3'-0"	8'-2"	8'-5½"	3'-3"	1'-11"	1'-8½"	2'-8½"	-----		1	1
18"											
24"	3'-7"	10'-1½"	10'-5⅝"	3'-10"	2'-6"		1'-8½"	2'-8½"		2	1



DIMENSIONS												NO. OF GRATES REQ'D.		NO. 4 REINFORCEMENT BARS NUMBER - LENGTH AND WEIGHT				CLASS A CONC.	
P	H	L	S	R	V	W	A	B	C	D		2'	3'	ⓐ	ⓑ	③	ⓒ	LBS.	CU. YDS.
18"	3'-0"	8'-6"	8'-9⅝"	2'-11½"	3'-7½"	7'-3"	1'-9"	1'-9"	-----	-----		2	--	14 @ 6'-5"	3 @ 8'-6"	2 @ 2'-8"		81	1.8
24"	3'-7"	10'-8"	11'-0"	3'-6½"	4'-5½"	8'-11"	2'-9"	2'-9"	-----	-----		--	2	16 @ 8'-0"	3 @ 10'-6"	2 @ 3'-3"		111	2.7
30"	4'-2"	12'-10"	13'-2¾"	4'-1½"	5'-3½"	10'-1"	2'-9"	2'-9"	1'-9"	-----		1	2		3 @ 12'-9"	2 @ 3'-10"		146	3.8
36"	4'-9"	15'-0"	15'-5½"	4'-8½"	6'-1½"	12'-3"	2'-9"	2'-9"	1'-9"	1'-9"		2	2	20 @ 11'-4"	3 @ 15'-0"	2 @ 4'-5"		187	5.1



B1 Pipe Bollard
1/2"=1'-0"



A1 Curb Cut Elevation
3/8"=1'-0"

Revisions: ADDENDUM #3 SEPTIC REV. 2025.03.04
Issue Date: January 23, 2025
Plot Date: March 4, 2025

Pendleton County, KY Fire Dept.

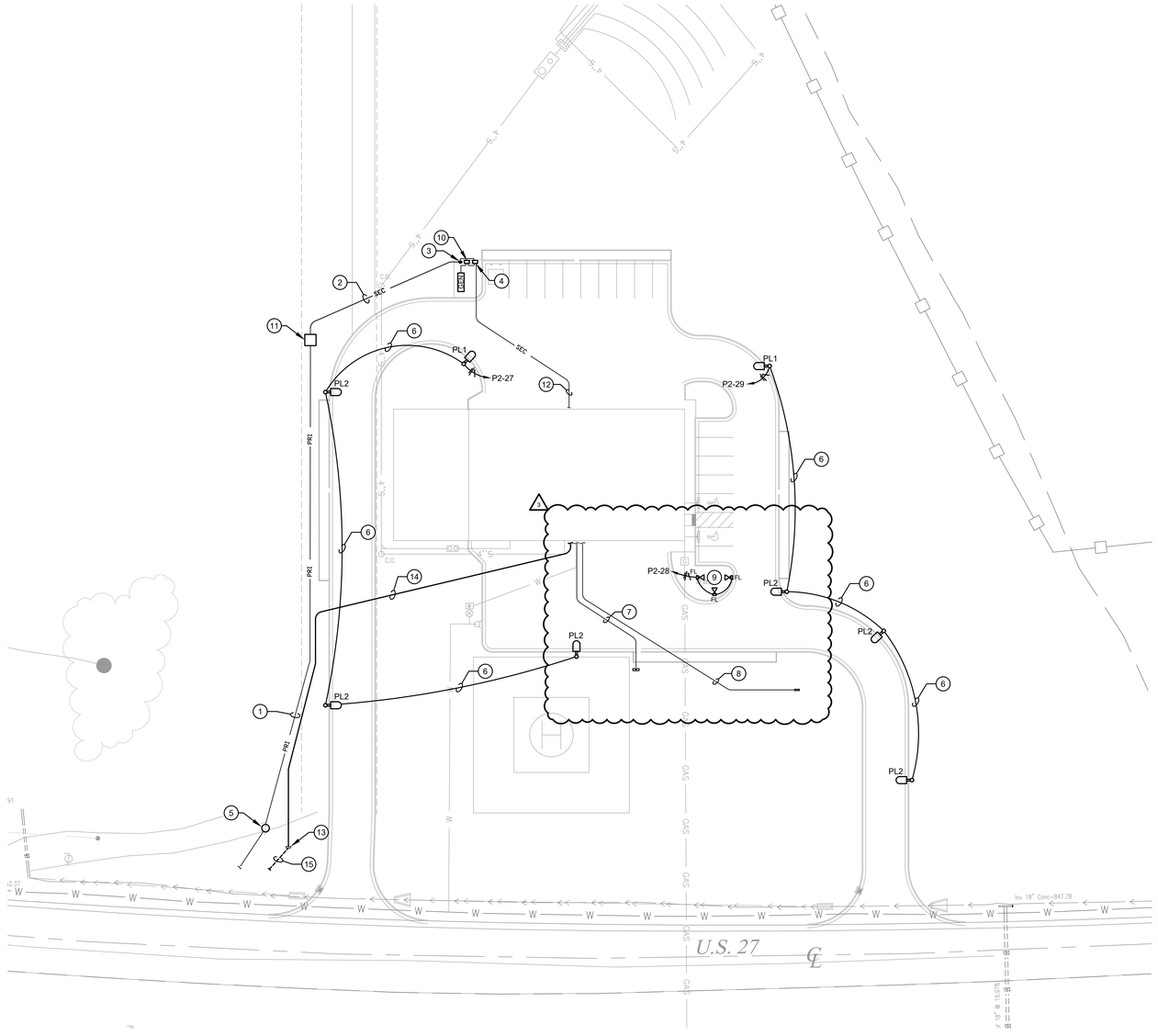
2000 US-27
Falmouth, KY 41040

Site Details

Project No. 24056

C-501

X:_2024 Projects\24056 Pendleton County Fire Station\Construction Documents\C-501 Details.dwg



1 SITE ELECTRIC PLAN
E-100 SCALE: 1" = 30'-0"
0' 15' 30' 60'

SITE ELECTRIC PLAN NOTES

1	INCOMING UTILITY POWER TO NEW UTILITY PAD MOUNTED TRANSFORMER. ELECTRICAL CONTRACTOR TO PROVIDE (1) 2" CONDUIT RUN WITH PULL STRING FROM UTILITY POLE TO NEW UTILITY PAD MOUNTED TRANSFORMER. OWNER/OPERATOR OF NEW BUILDING IS RESPONSIBLE FOR ALL FEES FROM UTILITY COMPANY. WIRE IS PROVIDED AND INSTALLED BY UTILITY, PAID BY OWNER/OPERATOR. COORDINATE WITH LOCAL UTILITY FOR EXACT INSTALLATION REQUIREMENTS.
2	ELECTRICAL CONTRACTOR TO PROVIDE (2) 2" CONDUIT AND PULL STRING FROM UTILITY TRANSFORMER TO METER. INSTALL CONDUIT PER LOCAL UTILITY REQUIREMENTS. COORDINATE WITH UTILITY PRIOR TO COMMENCING WORK.
3	CONTRACTOR TO PROVIDE FREE STANDING PEDESTAL FOR UTILITY METER. INSTALL PER LOCAL UTILITY REQUIREMENTS.
4	PROVIDE 225A, SERVICE ENTRANCE RATED ATS MOUNTED ON FREE STANDING PEDESTAL.
5	NEW UTILITY POLE INSTALLED ON PROPERTY. COORDINATE EXACT LOCATION WITH UTILITY COMPANY PRIOR TO COMMENCING WORK.
6	VERIFY EXACT WIRE SIZE WITH FINAL CIRCUIT ROUTE SUCH THAT VOLTAGE DROP IS LESS THAN 3%.
7	PROVIDE (3) 2" PVC CONDUITS TO (2) 13" X 24" QUAZITES ADJACENT TO HELICOPTER PAD FOR FUTURE USE. (1) QUAZITE SHALL HAVE (1) POWER (1) SPARE AND (1) QUAZITE SHALL HAVE (1) FOR DATA. COORDINATE LOCATION WITH OWNER PRIOR TO COMMENCING WORK.
8	PROVIDE (2) 1" PVC CONDUITS TO (2) 11" X 9" QUAZITES FOR FUTURE MONUMENT SIGN. (1) QUAZITE SHALL HAVE (1) POWER AND (1) QUAZITE SHALL HAVE (1) FOR DATA. COORDINATE LOCATION WITH OWNER PRIOR TO COMMENCING WORK.
9	PROVIDE POWER TO FLAG POLE LIGHTS. LIGHTS TO BE CONTROLLED BY PHOTOCELL. COORDINATE EXACT LOCATION AND SPACING WITH FLAG POLE HEIGHT AND OWNER PRIOR TO COMMENCING WORK.
10	MTS TO BE A PORTABLE GENERATOR TAP BOX, FREE STANDING PEDESTAL TYPE WITH PROVISIONS FOR CAM-LOCKS ON SIDE.
11	NEW PAD MOUNTED UTILITY TRANSFORMER. COORDINATE WITH CIVIL AND LOCAL UTILITY FOR EXACT LOCATION.
12	PROVIDE PVC CONDUIT UNDER SLAB FROM SERVICE DISCONNECT TO PANELS LOCATED IN ELECTRIC ROOM. REFER TO E-201 FOR MORE INFORMATION.
13	NEW TELECOM UTILITY LOCATION. COORDINATE WITH LOCAL TELECOM PROVIDER PRIOR TO COMMENCING WORK.
14	ELECTRICAL CONTRACTOR TO PROVIDE (2) 4" CONDUIT RUN FROM TELECOM SERVICE LOCATION TO TELECOM BOARD LOCATED IN ELECTRICAL ROOM. CONDUITS TO BE STUBBED UP AT TELECOM BOARD. FOLLOW LOCAL UTILITY REQUIREMENTS.
15	NEW TELECOM UTILITY LOCATION. CONDUIT TO BE BE DIRECTIONALLY BORED FROM EXISTING UTILITY POLE TO NEW SERVICE LOCATION. COORDINATE WITH LOCAL TELECOM PROVIDER PRIOR TO COMMENCING WORK.

BRANDSTETTER CARROLL INC
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STATE OF KENTUCKY
LAWRENCE S. AYER 18127
REGISTERED PROFESSIONAL ENGINEER
EXPIRATION DATE: 6/30/2025

E2M CONSULTING ENGINEERING
682 TUXEDO PLACE
CINCINNATI, OH 45206
TEL: 513.587.0050
www.e2m-eng.com

Revisions: NUMBER DATE DESCRIPTION
Issue Date: January 27, 2025

Pendleton
County Fire

2000 US-27
FALMOUTH, KY 41040

Site Electric Plan

Project No. 24240

E100

Volts	Phase	Wire	Panel Type		Ampacity Provided	Mount	AIC	Fed From
120/240v	1	3		**P1**	400 A	Surface	22k	

Circuit #	Breaker	Poles	Notes	Load Name	A	B	A	B	Load Name	Notes	Poles	Breaker	Circuit #
1	20 A	1		Office 101 Rcpts	540 W		750 W		Coiling Door "a"		2	20 A	2
3	20 A	1		Office 101 Rcpts		540 W		750 W					4
5	20 A	1		Fire Storage Counter Dedicated	180 W		750 W		Coiling Door "b"		2	20 A	6
7	20 A	1		Fire Storage Counter Dedicated		180 W		750 W					8
9	20 A	1		Fire Storage REF.	180 W		750 W		Coiling Door "c"		2	20 A	10
11	20 A	1		Fire Storage GP Rcpts		1,080 W		750 W					12
13	20 A	1		Apparatus GP Rcpts East Wall	1,080 W		750 W		Coiling Door "d"		2	20 A	14
15	20 A	1		Vest. and Reception GP Rcpts		360 W		750 W					16
17	20 A	1		Apparatus Bay 110 Rcpts	900 W		500 W		Coord Reel "a"		1	20 A	18
19	20 A	1		Apparatus Bay 110 Rcpts		900 W		500 W	Coord Reel " b"		1	20 A	20
21	20 A	1		Apparatus Bay 111 Rcpts	900 W		500 W		Coord Reel "c"		1	20 A	22
23	20 A	1		Radio Room Dedicated Rcpt		360 W		500 W	Coord Reel "d"		1	20 A	24
25	20 A	1		Radio Room Dedicated Rcpt	360 W		500 W		Coord Reel "e"		1	20 A	26
27	20 A	1		Radio Room Dedicated Rcpt		360 W		500 W	Coord Reel "f"		1	20 A	28
29	20 A	1		Tool Room 107 Rcpts	540 W		500 W		Coord Reel "g"		1	20 A	30
31	20 A	1		Restroom Rcpt		180 W		500 W	Coord Reel "h"		1	20 A	32
33	20 A	1		Exterior Rcpts	540 W		360 W		Telecom Ded Quad Rcpt		1	20 A	34
35	20 A	1		Exterior Rcpts		540 W		360 W	Telecom Ded Quad Rcpt		1	20 A	36
37	20 A	1		Disposal	500 W		720 W		Telecom Ded Quad Rcpt		1	20 A	38
39	--	1		Space		--		720 W	Telecom Ded Quad Rcpt		1	20 A	40
41	--	1		Space	--		--		Space		1	--	42
43	--	1		Space		--		--	Space		1	--	44
45	--	1		Space	--		--		Space		1	--	46
47	--	1		Space		--		--	Space		1	--	48
49	--	1		Space	--		--		Space		1	--	50
51	--	1		Space		--		--	Space		1	--	52
53	--	1		Space	--		--		Space		1	--	54
55	--	1		Space		--		--	Space		1	--	56
57	--	1		Space	--		--		Space		1	--	58
59	--	1		Space		--		--	Space		1	--	60

Panel Schedule Notes:

AF	Arc Fault Circuit Interrupter
GF	Ground Fault Circuir Interrupter
LO	Lock Out Breaker
ST	Shunt Trip
EX	Blank loads on panel are unknown and shall be calculated under the existing panel demand (or existing building peak demand) categorey in the load calculations. Engineer offers no warranty as to the condition or load information on unknown circuit breakers.

Load Description	Watts	Factor	Total
Equipment	17236 VA	100.00%	17236 VA
Other	950 VA	100.00%	950 VA
Receptacle	16600 VA	80.12%	13300 VA
Power	19130 VA	100.00%	19130 VA
Lighting	5904 VA	125.00%	7380 VA
Non-Continuous	500 VA	100.00%	500 VA
		Sub-Total:	58,496 W
		Total Connected Ampacity:	244 A
		Total Connected Load %:	61

Total Connected Load Phase A: 31,317 W
Total Connected Load Phase B: 29,003 W
Total Connected Load Phase C: 0 W
Total Connected Load: 60,320 W
Phase A to B: 92.61%
Phase A to C: 0.00%
Phase B to C: 0.00%

Notes:

Volts	Phase	Wire	Panel Type		Ampacity Provided	Mount	AIC	Fed From
120/240v	1	3		**P2**	400 A	Surface	22k	P1

Circuit #	Breaker	Poles	Notes	Load Name	A	B	A	B	Load Name	Notes	Poles	Breaker	Circuit #
1	20 A	1		Emergency Lighting	77 W		180 W		PPE Dryer		1	20 A	2
3	20 A	1		Rm 100, 101, 102, 103, 104 Lighting		782 W		1,080 W	Washer Extractor		2	20 A	4
5	20 A	1		Rm 105, 106, 107, 108, 109 Lighting	608 W		1,080 W						6
7	20 A	1		Apparatus Bay Lighting		1,272 W		4,800 W	SCBA Machine		2	50 A	8
9	20 A	1		Apparatus Bay Lighting	1,272 W		4,800 W						10
11	20 A	1		Mezzanine Lighting		304 W		500 W	PhotoCell		1	20 A	12
13	20 A	1		Exterior Lighting	658 W		360 W		Mezzanine Rcpts		1	20 A	14
15	20 A	1		GWH Recpt		180 W		864 W	EF-1		1	20 A	16
17	20 A	1		SF-1	864 W		864 W		EF-2		1	20 A	18
19	20 A	1		SF-2		864 W		50 W	EF-3		1	20 A	20
21	20 A	1		AHU-1	1,680 W		50 W		EF-4		1	20 A	22
23	30 A	2		CU-1		2,160 W		120 W	IRH-1		1	20 A	24
25					2,160 W		120 W		IRH-2		1	20 A	26
27	20 A	1		Pole Lights		513 W		684 W	Flag Pole Lights		1	20 A	28
29	20 A	1		Pole Lights	684 W		60 W		Door Strike		1	20 A	30
31	20 A	1		Building Sign		1,000 W		250 W	Generator Battery Charger		1	20 A	32
33	20 A	1		Generator Block Heater	1,000 W		750 W		Coiling Door "e"		2	20 A	34
35	20 A	2		Coiling Door "f"		750 W		750 W					36
37					750 W		750 W		Coiling Door "g"		2	20 A	38
39	20 A	2		Coiling Door "h"		750 W		750 W					40
41					750 W		--		Space		1	--	42
43	--	1		Space		--		--	Space		1	--	44
45	--	1		Space	--		--		Space		1	--	46
47	--	1		Space		--		--	Space		1	--	48
49	--	1		Space	--		--		Space		1	--	50
51	--	1		Space		--		--	Space		1	--	52
53	--	1		Space	--		--		Space		1	--	54
55	--	1		Space		--		--	Space		1	--	56
57	--	1		Space	--		--		Space		1	--	58
59	--	1		Space		--		--	Space		1	--	60

Panel Schedule Notes:

AF	Arc Fault Circuit Interrupter
GF	Ground Fault Circuir Interrupter
LO	Lock Out Breaker
ST	Shunt Trip
EX	Blank loads on panel are unknown and shall be calculated under the existing panel demand (or existing building peak demand) categorey in the load calculations. Engineer offers no warranty as to the condition or load information on unknown circuit breakers.

Load Description	Watts	Factor	Total
Equipment	17236 VA	100.00%	17236 VA
Other	950 VA	100.00%	950 VA
Receptacle	720 VA	100.00%	720 VA
Power	13130 VA	100.00%	13130 VA
Lighting	5904 VA	125.00%	7380 VA
		Sub-Total:	39,416 W
		Total Connected Ampacity:	164 A
		Total Connected Load %:	41

Total Connected Load Phase A: 19,517 W
Total Connected Load Phase B: 18,423 W
Total Connected Load Phase C: 0 W
Total Connected Load: 37,940 W
Phase A to B: 94.39%
Phase A to C: 0.00%
Phase B to C: 0.00%

Notes:

GENERATOR SCHEDULE

MARK	MANUFACTURER / MODEL #	RATED KW	VOLTS	PHASE	HERTZ	ALTERNATOR TEMPERATURE RISE LIMIT	FUEL TYPE	STANDBY RATED	ENCLOSURE TYPE	OPTIONS AND ACCESSORIES
GEN1	CUMMINS / C80 N6	80	240	1	60	120°	NAT GAS	YES	WEATHER	- - -

NOTES:
1. REFER TO CONCRETE PAD DETAIL ON E601 FOR SPECIFICATIONS.
2. PROVIDE (1) 1" CONDUIT FOR BLOCK HEATER.
3. PROVIDE (1) 1" CONDUIT FOR BATTERY CHARGER.
4. PROVIDE WITH REMOTE ANNUNCIATOR PANEL. PANEL LOCATION TO BE DETERMINED BY OWNER.
5. REFER TO SPECIFICATION SECTION 263213 FOR MORE INFORMATION.

AUTOMATIC TRANSFER SWITCH

BASIS OF DESIGN SHALL BE CUMMINS MODEL #OTEC WITH NEMA-3R ENCLOSURE. PROVIDE WITH AM METER AND BAR GRAPH DISPLAY.

1. REFER TO SPECIFICATION SECTION 263600 FOR MORE INFORMATION.

MANUAL TRANSFER SWITCH

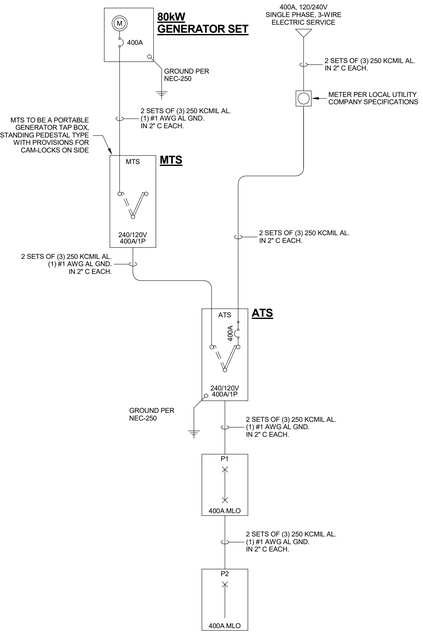
BASIS OF DESIGN SHALL BE SALIENT MODEL # GTBWM-04-A2-3R-MR

LIGHT FIXTURE SCHEDULE

SYMBOL	ID	DESCRIPTION	FIXTURE INFORMATION		ELECTRIC INFORMATION		MISCELLANEOUS INFORMATION	
	LC2	24" X 24" LED DIRECT/ INDIRECT FIXTURE	MAKE	LITHONIA	VOLTAGE	MVOLT	MOUNTING	RECESSED
			MODEL	2AVL2 40LHE MDR EZ1 LP835	LAMP QTY	1	HEIGHT	
			ALTERNATE		LAMP TYPE	LED	NOTES	
			OTHER		WATTS	41W		
	LC2E	24" X 24" LED DIRECT/ INDIRECT FIXTURE	MAKE	LITHONIA	VOLTAGE	MVOLT	MOUNTING	RECESSED
			MODEL	2AVL2 40LHE MDR EZ1 LP835 EL14L	LAMP QTY	1	HEIGHT	
			ALTERNATE		LAMP TYPE	LED	NOTES	
			OTHER		WATTS	41W		
	LB4	LED HIGH BAY FIXTURE	MAKE	LITHONIA	VOLTAGE	UNV	MOUNTING	SUSPENDED
			MODEL	IBE 12LM MVOLT 40K	LAMP QTY		HEIGHT	
			ALTERNATE		LAMP TYPE	LED	NOTES	PROVIDE WITH WIRE GUARD
			OTHER		WATTS	83W		
	LB4E	LED HIGH BAY EMERGENCY FIXTURE WITH REMOTE BATTERY BACK UP	MAKE	LITHONIA	VOLTAGE	UNV	MOUNTING	SUSPENDED
			MODEL	IBE 12LM MVOLT 40K	LAMP QTY		HEIGHT	
			ALTERNATE		LAMP TYPE	LED	NOTES	PROVIDE WITH WIRE GUARD
			OTHER		WATTS	112W		
	LS4	LED STRIP FIXTURE	MAKE	LITHONIA	VOLTAGE	MVOLT	MOUNTING	SURFACE
			MODEL	ZL1N L48 3000LM FST MVOLT 35K 80CRI WH	LAMP QTY		HEIGHT	
			ALTERNATE		LAMP TYPE	LED	NOTES	
			OTHER		WATTS	25W		
	LS4B	LED STRIP FIXTURE	MAKE	LITHONIA	VOLTAGE	MVOLT	MOUNTING	SURFACE
			MODEL	CLX-L48-4000LM-SEF-FDL-MVOLT-GZ10-35K-80CRI	LAMP QTY		HEIGHT	
			ALTERNATE		LAMP TYPE	LED	NOTES	
			OTHER		WATTS	25W		
	PL1	LED POLE LIGHT	MAKE	LITHONIA	VOLTAGE	MVOLT	MOUNTING	SURFACE
			MODEL	DSX0 LED P7 40K 70CRI TFTM MVOLT SPA FINISH	LAMP QTY	1	HEIGHT	
			ALTERNATE	SSS 20 4C DM19AS FINISH	LAMP TYPE	LED	NOTES	
			OTHER		WATTS	171W		
	PL2	LED POLE LIGHT	MAKE	LITHONIA	VOLTAGE	MVOLT	MOUNTING	SURFACE
			MODEL	DSX0 LED P7 40K 70CRI T2M MVOLT SPA FINISH	LAMP QTY	1	HEIGHT	
			ALTERNATE	SSS 20 4C DM19AS FINISH	LAMP TYPE	LED	NOTES	
			OTHER		WATTS	171W		
	WP2	EXTERIOR WALL PACK	MAKE	LITHONIA	VOLTAGE	UNV	MOUNTING	SURFACE
			MODEL	WDGE3 LED P4 40K 70CRI RFT MVOLT SRM	LAMP QTY	1	HEIGHT	
			ALTERNATE		LAMP TYPE	LED	NOTES	FACES AND ARROWS PER PLAN
			OTHER		WATTS	48W		
	FL	LED FLAG POLE GROUND LIGHT	MAKE	HYDREL	VOLTAGE	UNV	MOUNTING	GROUND
			MODEL	TPS1 18LED WHT41K MVOLT NSP YM BL	LAMP QTY	1	HEIGHT	
			ALTERNATE		LAMP TYPE	LED	NOTES	
			OTHER		WATTS	34W		
	X1	EDGE LIT EXIT / EMERGENCY SIGN	MAKE	LITHONIA	VOLTAGE	UNV	MOUNTING	UNIVERSAL
			MODEL	EDGR 1 R EL	LAMP QTY	1	HEIGHT	
			ALTERNATE		LAMP TYPE	LED	NOTES	FACES AND ARROWS PER PLAN
			OTHER		WATTS	4.3W		
	X2	POLYCARBONATE W/ REMOTE CAPACITY	MAKE	LITHONIA	VOLTAGE	UNV	MOUNTING	UNIVERSAL
			MODEL	LHQM LED R HO M6	LAMP QTY	1	HEIGHT	
			ALTERNATE		LAMP TYPE	LED	NOTES	FACES AND ARROWS PER PLAN
			OTHER		WATTS	4.3W		
	RH2	DUAL REMOTE HEAD FIXTURE, PROVIDE WITH REMOTE EMERGENCY BATTERY	MAKE	LITHONIA	VOLTAGE	UNV	MOUNTING	SURFACE
			MODEL	ERE GY T RD WP	LAMP QTY	1	HEIGHT	
			ALTERNATE		LAMP TYPE	LED	NOTES	
			OTHER		WATTS	3W		
	E1	EMERGENCY EGRESS FIXTURE	MAKE	LITHONIA	VOLTAGE	UNV	MOUNTING	SURFACE
			MODEL	ELM4L	LAMP QTY	1	HEIGHT	
			ALTERNATE		LAMP TYPE	LED	NOTES	
			OTHER		WATTS	3W		

NOTES
1. FIXTURES WITH THE SUFFIX "-E" ATTACHED TO THE ID OR SHOWN HALF SHADED ARE EMERGENCY FIXTURES. SEE ELECTRICAL GENERAL NOTES FOR MORE INFORMATION.
2. FIXTURES WITH THE SUFFIX "-NL" ARE NIGHT LIGHTS. SEE ELECTRICAL GENERAL NOTES FOR MORE INFORMATION.

DESIGNATIONS
-N NEW
-E EXISTING
-D DEMO
-R RELOCATED



1 E501 Single Line Diagram
SCALE: NONE

POWER PLAN SYMBOL LEGEND

+0"	SIMPLEX RECEPTACLE MOUNT AT +18" A.F.F. UNLESS OTHERWISE NOTED
+0"	DUPLEX RECEPTACLE MOUNT AT +18" A.F.F. UNLESS OTHERWISE NOTED
+0"	SPECIAL USE DEDICATED RECEPTACLE MOUNT AT +18" A.F.F. UNLESS OTHERWISE NOTED REFER TO PANEL SCHEDULE FOR MORE INFORMATION
+0"	GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE MOUNT AT +18" A.F.F. UNLESS OTHERWISE NOTED
+0"	WEATHER PROOF RECEPTACLE MOUNT AT +18" A.F.F. UNLESS OTHERWISE NOTED
+0"	QUADRUPLEX RECEPTACLE MOUNT AT +18" A.F.F. UNLESS OTHERWISE NOTED
+0"	QUADRUPLEX GFCI RECEPTACLE MOUNT AT +18" A.F.F. UNLESS OTHERWISE NOTED
	SIMPLEX RECEPTACLE WITH SPECIAL MOUNTING REQUIREMENTS. CLG = CEILING MOUNTED, CORD = CORD DROP, BLANK = FLOOR MOUNTED.
	DUPLEX RECEPTACLE WITH SPECIAL MOUNTING REQUIREMENTS. CLG = CEILING MOUNTED, CORD = CORD DROP, BLANK = FLOOR MOUNTED.
	QUADRUPLEX RECEPTACLE WITH SPECIAL MOUNTING REQUIREMENTS. CLG = CEILING MOUNTED, CORD = CORD DROP, BLANK = FLOOR MOUNTED.
▽ +0"	TELEPHONE JACK MOUNT AT +18" A.F.F. UNLESS OTHERWISE NOTED
▼ +0"	DATA JACK MOUNT AT +18" A.F.F. UNLESS OTHERWISE NOTED
+0"	COMBINATION COMPUTER / PHONE JACK MOUNT AT +18" A.F.F. UNLESS OTHERWISE NOTED
TV +0"	TELEVISION JACK MOUNT AT +18" A.F.F. UNLESS OTHERWISE NOTED
	FLOOR MOUNTED VOICE/DATA BASE POWER INPUT CONNECTION
	WALL MOUNTED VOICE/DATA BASE POWER INPUT CONNECTION
J	JUNCTION BOX
	NON-FUSED DISCONNECT
	FUSED DISCONNECT
	POWER POLE
	COMBINATION POWER/COMMUNICATIONS FLOOR BOX WITH DUPLEX RECEPTACLE AND (2) DATA JACKS.
◉	FLOOR MOUNTED BASE POWER INPUT
	WALL MOUNTED BASE POWER INPUT
M	1Ø MOTOR CONNECTION
M	3Ø MOTOR CONNECTION
A EXISTING A NEW	FLUSH MOUNTED PANEL A = PANEL DESIGATION
A EXISTING A NEW	SURFACE MOUNTED PANEL A = PANEL DESIGATION
	METER
A-B	HOME RUN A = PANEL DESIGATION B = CIRCUIT NUMBER

N = NEW | E = EXISTING | R = RELOCATED | D = DEMO | F = FUTURE
+0" = MOUNTING HEIGHT OF THE DEVICE ABOVE FINISHED FLOOR.

LIGHTING PLAN SYMBOL LEGEND

TYPICAL FIXTURE	LIGHTING FIXTURE EXISTING TO REMAIN
TYPICAL FIXTURE	LIGHTING FIXTURE TO BE REMOVED FROM LOCATION. SEE PLAN FOR NEW FIXTURE LOCATION (IF ANY).
TYPICAL FIXTURE	SHADING INDICATES THAT A FIXTURE IS WIRED TO A NIGHT LIGHT OR EMERGENCY TYPE CIRCUIT. FIXTURE SHALL BE WIRED IN ACCORDANCE WITH N.E.C. ARTICLE 700.
A-# TYPICAL FIXTURE (a) X	"X" = FIXTURE TYPEA-# = CIRCUIT NUMBER ab = SWITCH LEG
$	TOGGLE SWITCH
$3	THREE-WAY TOGGLE SWITCH
$O	OCCUPANCY SENSOR
$D	LOW VOLTAGE DIMMER
LRP	LIGHTING RELAY PANEL
OS	CEILING MOUNTED OCCUPANCY SENSOR

N = NEW | E = EXISTING | R = RELOCATED | D = DEMO | F = FUTURE
+0" = MOUNTING HEIGHT OF THE DEVICE ABOVE FINISHED FLOOR.

SINGLE LINE SYMBOL LEGEND

	CIRCUIT BREAKER
	FUSE
	UTILITY METER
000	NON-FUSED DISCONNECT
000 000	FUSIBLE DISCONNECT
"X" Y	PANELBOARD, MAIN LUG ONLY WITH FEED THROUGH LUGS Y= RATING X= NAME
"X" Y	PANELBOARD, MAIN LUGS ONLY Y= MAIN LUGS RATING X = NAME
"X" Y	PANELBOARD, MAIN CIRCUIT BREAKER Y = MCB RATING X = NAME
Z	MOTOR - SINGLE PHASE Z = HP RATING
Z	MOTOR - THREE PHASE Z = HP RATING
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION

PROJECT GENERAL NOTES

1. THE DRAWINGS ARE DIAGRAMMATIC ONLY AND INDICATE THE GENERAL ARRANGEMENT OF THE SYSTEMS AND ARE TO BE FOLLOWED INSOFAR AS POSSIBLE. IF DEVIATIONS FROM THE LAYOUTS ARE NECESSITATED BY FIELD CONDITIONS, DETAILED LAYOUTS OF THE PROPOSED DEPARTURES SHALL BE SUBMITTED IN WRITING TO THE ENGINEER FOR REVIEW BEFORE PROCEEDING WITH THE WORK.

2. THE ELECTRICAL CONTRACTOR SHALL REVIEW ALL DRAWINGS IN DETAIL AS THEY MAY RELATE TO THEIR WORK.

3. EACH CONTRACTOR SHALL INSPECT THE SITE ON WHICH THE WORK IS TO BE PERFORMED, AND THE OBSTACLES THAT MAY BE ENCOUNTERED, AND ALL RELEVANT MATTERS CONCERNING THE WORK.

4. THE CONTRACTOR SHALL FILE ALL NECESSARY NOTICES, OBTAIN AND PAY FOR ALL PERMITS, FEES, AND OTHER COSTS INCLUDING UTILITY CONNECTIONS OR EXTENSION, IN CONNECTION WITH HIS WORK. AS NECESSARY, HE SHALL FILE ALL REQUIRED PLANS, PREPARE ALL DOCUMENTS AND OBTAIN ALL NECESSARY APPROVALS OF ALL UTILITY AND GOVERNMENTAL DEPARTMENTS HAVING JURISDICTION.

5. IGNORANCE OF CODES, RULES, AND REGULATIONS, UTILITY COMPANY REQUIREMENTS, LAWS, ETC. SHALL NOT DIMINISH OR ABSOLVE CONTRACTOR'S RESPONSIBILITIES TO PROVIDE AND COMPLETE ALL WORK IN COMPLIANCE WITH SUCH.

6. ALL MATERIALS FURNISHED AND ALL WORK INSTALLED SHALL COMPLY WITH THE CURRENT EDITION OF THE KENTUCKY BUILDING CODES, NATIONAL FIRE CODES OF THE NATIONAL FIRE PROTECTION ASSOCIATION AND WITH THE REQUIREMENTS OF ALL GOVERNMENTAL AGENCIES OR DEPARTMENTS HAVING JURISDICTION.

7. SUBMIT FOR REVIEW SHOP DRAWINGS, PRODUCT DATA AND SAMPLES. COMPLY WITH REQUIREMENTS OF DIVISION 1 SECTION "SUBMITTALS". MINIMUM NUMBER OF COPIES SHALL BE FOUR (4). MARK EACH INDIVIDUAL ITEM WITH PERTINENT SPECIFICATION SECTION AND PARAGRAPH NUMBER. SUBMITTAL WILL BE REJECTED IF SPECIFICATION AND PARAGRAPH NUMBER UNDER WHICH IT IS BEING SUBMITTED IS NOT IDENTIFIED.

8. IF THE SUBMITTAL DEVIATES FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, THE DEVIATION SHALL BE IDENTIFIED IN WRITING ON THE FIRST PAGE OF THE SUBMITTAL. IDENTIFY WHERE WITHIN THE CONTRACT DOCUMENTS THE DEVIATION OCCURS. THE DEVIATION SHALL ONLY BE CONSIDERED ACCEPTABLE IF THE IDENTIFIED DEVIATION HAS BEEN INITIALED BY THE ENGINEER. ANY DEVIATION NOT INITIALED MAY BE ASSUMED TO BE REJECTED. ALL COORDINATION REQUIRED DUE TO THE DEVIATION, SUCH AS SPACE ALLOCATION, CHANGES TO ELECTRICAL SERVICE, OR ANY OTHER REQUIRED CHANGES SHALL BE BORN AS WORK OF RESPECTIVE DIVISION BUT ACCOMPLISHED BY INSTALLERS SKILLED IN THE WORK BEING PERFORMED. NO COSTS INCURRED BY THE APPROVED DEVIATION SHALL BE BORN BY THE OWNER.

9. REVIEW OF SHOP DRAWINGS AND SUBMITTALS DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR COMPLIANCE WITH THE SPECIFIC REQUIREMENTS OF THE CONTRACT DOCUMENTS, OR FOR FITTING THE EQUIPMENT IN THE SPACE ALLOTTED, WITH PROPER SPACE FOR CONNECTION OF PIPING OR DUCTWORK AND FOR SERVICING OR FOR COORDINATION OF THE WORK WITH WORK OF OTHER TRADES. APPROVAL OF DEVIATIONS ALSO DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR COMPLIANCE WITH ALL OTHER ASPECTS OF THE CONTRACT DOCUMENTS.

10. REVIEW IS FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE PROJECT DOCUMENTS. RESPONSIBILITY FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND ESTABLISHING TECHNIQUES OF CONSTRUCTION RESIDES WITH CONTRACTOR. REVIEW SUBCONTRACTORS' SUBMITTALS AND SHOP DRAWINGS AND INDICATE BY RUBBER STAMP OR LETTER THAT THEY HAVE BEEN REVIEWED AND APPROVED BEFORE FORWARDING THEM. SUBMITTALS AND DRAWINGS WILL BE RETURNED AFTER REVIEW INDICATING WHETHER OR NOT EXCEPTIONS ARE TAKEN AND THE REQUIRED PROCEDURE TO BE FOLLOWED THEREAFTER. REVISED AND ACCEPTABLE SUBMITTALS AND SHOP DRAWINGS ARE REQUIRED BEFORE CONSTRUCTION IS BEGUN. INCLUDE DIMENSIONAL DATA AND WEIGHTS OF EQUIPMENT. INCLUDE MOTOR MANUFACTURERS' NAMES.

11. IN GENERAL, THE ARCHITECT AND/OR HIS CONSULTANTS WILL REVIEW EACH SUBMITTAL AS INDICATED ABOVE. IF SUBMITTAL DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS AS INDICATED BY THE SUBMITTAL BEING MARKED "REJECTED" AND "RESUBMIT", BE RESPONSIBLE TO THE OWNER FOR ANY ADDITIONAL COSTS THE OWNER INCURS DUE TO REVIEW OF FOLLOW-ON SUBMITTALS.

12. PREPARE COORDINATION DRAWINGS IN ACCORDANCE WITH DIVISION 1 SECTION "PROJECT COORDINATION" AND AS FOLLOWS. DRAWINGS SHALL BE TO A MINIMUM SCALE OF 1/4" = 1'-0" DETAILING MAJOR ELEMENTS, COMPONENTS, AND SYSTEMS OF MECHANICAL EQUIPMENT AND MATERIALS IN RELATIONSHIP WITH OTHER BUILDING SYSTEMS, INSTALLATIONS, AND COMPONENTS. INDICATE LOCATIONS WHERE SPACE IS LIMITED FOR INSTALLATION AND ACCESS AND WHERE SEQUENCING AND COORDINATION OF INSTALLATIONS ARE OF IMPORTANCE TO THE EFFICIENT FLOW OF THE WORK.

13. INDICATE THE PROPOSED LOCATIONS OF PIPING, DUCTWORK, EQUIPMENT, AND MATERIALS AND INCLUDE VERTICAL MEASUREMENT FROM FLOOR TO BOTTOM OF PIPING, DUCTWORK, AND ELEVATED EQUIPMENT. PIPING DRAWINGS SHALL INCLUDE ACCESS PANEL LOCATIONS, VALVES, SLEEVES, LOCATION OF SUPPORTS, ETC. DUCTWORK DRAWINGS SHALL INCLUDE ACCESS PANEL LOCATIONS (IN DUCT AND BUILDING CONSTRUCTION TO OBTAIN ENTRY TO SERVICE AND MAINTAIN DUCT MOUNTED EQUIPMENT), VANES, SCOOPS, SPLITTERS, DAMPERS, GRILLES, DIFFUSERS, COILS, ETC. VERTICAL MEASUREMENT SHALL BE INDICATED AT ALL CHANGES IN DIRECTION OF PIPING AND DUCTWORK. MEASUREMENT SHALL BE MADE TO THE OUTSIDE SURFACE OF EXTERIOR INSULATED DUCTING AND PIPING. MEASUREMENTS SHALL INCLUDE CLEARANCES FOR INSTALLING AND MAINTAINING INSULATION; SERVICING AND MAINTAINING EQUIPMENT; SPACE FOR EQUIPMENT DISASSEMBLY FOR PERIODIC MAINTENANCE; AND SHOWING AREAS FOR TUBE, FILTER, AND COIL REMOVAL. PROVIDE DETAILS OF CONNECTIONS AND SUPPORTS, EXTERIOR WALL AND FOUNDATION PENETRATIONS, SIZES AND LOCATIONS OF CONCRETE HOUSEKEEPING PADS, AND INDICATE SPACE FOR VALVE STEM MOVEMENT. INDICATE SCHEDULING, SEQUENCING, MOVEMENT, AND POSITIONING OF LARGE EQUIPMENT INTO THE BUILDING DURING CONSTRUCTION.

14. PREPARE FLOOR PLANS, ELEVATIONS, AND DETAILS TO INDICATE PENETRATIONS IN FLOORS, WALLS, AND CEILINGS AND THEIR RELATIONSHIP TO OTHER PENETRATIONS AND INSTALLATIONS. INCLUDE LOCATION OF SLEEVES IN FLOORS, WALLS, AND CEILINGS. PREPARE REFLECTED CEILING PLANS TO COORDINATE AND INTEGRATE INSTALLATIONS, AIR OUTLETS AND INLETS, LIGHT FIXTURES, COMMUNICATION SYSTEM COMPONENTS, SPRINKLERS, SMOKE DETECTORS, AND OTHER CEILING MOUNTED ITEMS.

15. PROVIDE DIGITAL COPIES OF FINAL COORDINATION DRAWINGS, SEPARATED BY TRADE, TO THE OWNER IN DWG AND/OR PDF FILE FORMATS.

16. MECHANICAL DUCTWORK PRIORITY OVER ALL OTHER SYSTEMS BEING INSTALLED (MEP) ABOVE CEILING. REROUTING OF INSTALLED SYSTEMS DUE TO UNCOORDINATED DRAWINGS IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

17. ELECTRICAL CONTRACTOR SHALL VERIFY WITH OTHER TRADES ALL ELECTRICAL CONNECTIONS. CONTRACTOR SHALL VERIFY VOLTAGE, PHASE, FLA, MCA, MDCP, MAXIMUM FUSE SIZE AND HORSEPOWER AND SHALL NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO START OF WORK. ELECTRICAL CONTRACTOR SHALL PROVIDE DISCONNECTING MEANS AND OVERLOAD PROTECTION FOR ALL EQUIPMENT UNLESS FURNISHED INTEGRAL WITH EQUIPMENT PACKAGE.

18. THESE DRAWINGS ACCOMPANYING THESE SPECIFICATIONS ARE GENERALLY DIAGRAMMATIC AND ARE NOT TOO BE SCALED. WHILE THESE ARE TO BE FOLLOWED AS CLOSELY AS POSSIBLE, THE CONTRACTOR SHALL COORDINATE THE WORK TO AVOID INTERFERENCES WITH THE OTHER TRADES. THE CONTRACTOR SHALL CONFIRM AND CORRELATE ALL DIMENSIONS AT THE JOB SITE.

GENERAL NOTES RISER DIAGRAM

1. PROVIDE A FIRE ALARM SYSTEM COMPLETE WITH SYSTEM EQUIPMENT, TECHNICAL SUPPORT, SYSTEM PROGRAMMING, FINAL CONNECTIONS AND SYSTEM TESTING PER NFPA AND MANUFACTURER. REFER TO GENERAL NOTE #1 ON DRAWING E-103 FOR ADDITIONAL INFO.

2. NOTIFY OWNER AND FIRE DEPARTMENT PRIOR TO ANY WORK BEING DONE ON THE FIRE ALARM SYSTEMS. THE CONTRACTOR SHALL NOT LEAVE THE FIRE ALARM SYSTEM IN "ALARM" OR "TROUBLE". THE CONTRACTOR SHALL BE RESPONSIBLE FOR ARMING/DISARMING THE FIRE ALARM SYSTEM AS REQUIRED BY THE WORK.

3. FIRE ALARM DEVICES INCLUDE MANUAL STATIONS, SMOKE DETECTORS, HEAT DETECTORS AND AUDIO/VISUAL NOTIFICATION EQUIPMENT. ALL DEVICES ARE NEW UNLESS OTHERWISE SHOWN. REFER TO FLOOR PLANS FOR ADDITIONAL QUANTITIES AND LOCATIONS OF FIRE ALARM DEVICES. DEVICES SHOWN ON THIS DRAWING ARE TYPICAL FOR SEVERAL OF THE SAME TYPE. WIRING IS SCHEMATIC. COORDINATE FINAL WIRING CONFIGURATIONS AND CONDUIT SIZING WITH THE SYSTEM VENDOR. IDENTIFY AND LABEL FIRE ALARM DEVICES WITH THE DEVICE NAME. LABEL REMOTE INDICATORS WITH THE APPROPRIATE DEVICE NAME.

4. COORDINATE LOCATIONS AND MOUNTING HEIGHTS FOR ALL DEVICES WITH THE ARCHITECTURAL DOCUMENTS. UNLESS OTHERWISE SHOWN, INSTALL NOTIFICATION APPLIANCES AT 96" ABOVE FINISHED FLOOR (AFF) OR 6" BELOW THE CEILING, WHICHEVER IS LOWER. PULL STATIONS SHALL BE MOUNTED AT 48" AFF. MEASUREMENTS ARE TO THE TOP OF THE BACKBOX.

5. ALL WIRING SHALL INSTALLED IN ACCORDANCE WITH ALL AUTHORITIES HAVING JURISDICTION.

6. WIRING FOR DEVICES SHALL BE AS FOLLOWS:

STROBES/HORNS (SYNCHRONIZED): 4#14
MANUAL STATIONS; HEAT DETECTORS; SMOKE DETECTORS: 2#14
24VDC POWER: 2#14
MISC. CONTROLS: 2#14 OR AS NOTED.

7. CONCEALED DETECTORS OR OTHER ALARM DEVICES: PROVIDE REMOTE INDICATOR LAMP AND TEST SWITCH, IN A VISIBLE LOCATION, i.e. ON SUSPENDED CEILING, WITHIN TWENTY FEET OF DETECTORS. COORDINATE FINAL LOCATION IN THE FIELD. LABEL REMOTE LAMP WITH DEVICE NAME.

8. PROVIDE AND SUBMIT ALL REQUIRED FIRE ALARM PLANS AND PRODUCT SPECIFICATION DATA TO ALL AUTHORITIES HAVING JURISDICTION INCLUDING LOCAL BUILDING DEPARTMENT AND FIRE DEPARTMENT FOR APPROVAL.

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1	Date 2	Addendum 1
NUMBER	DATE	DESCRIPTION

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Pendleton County Fire

ELECTRICAL SCHEDULES

Project No.
24240

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