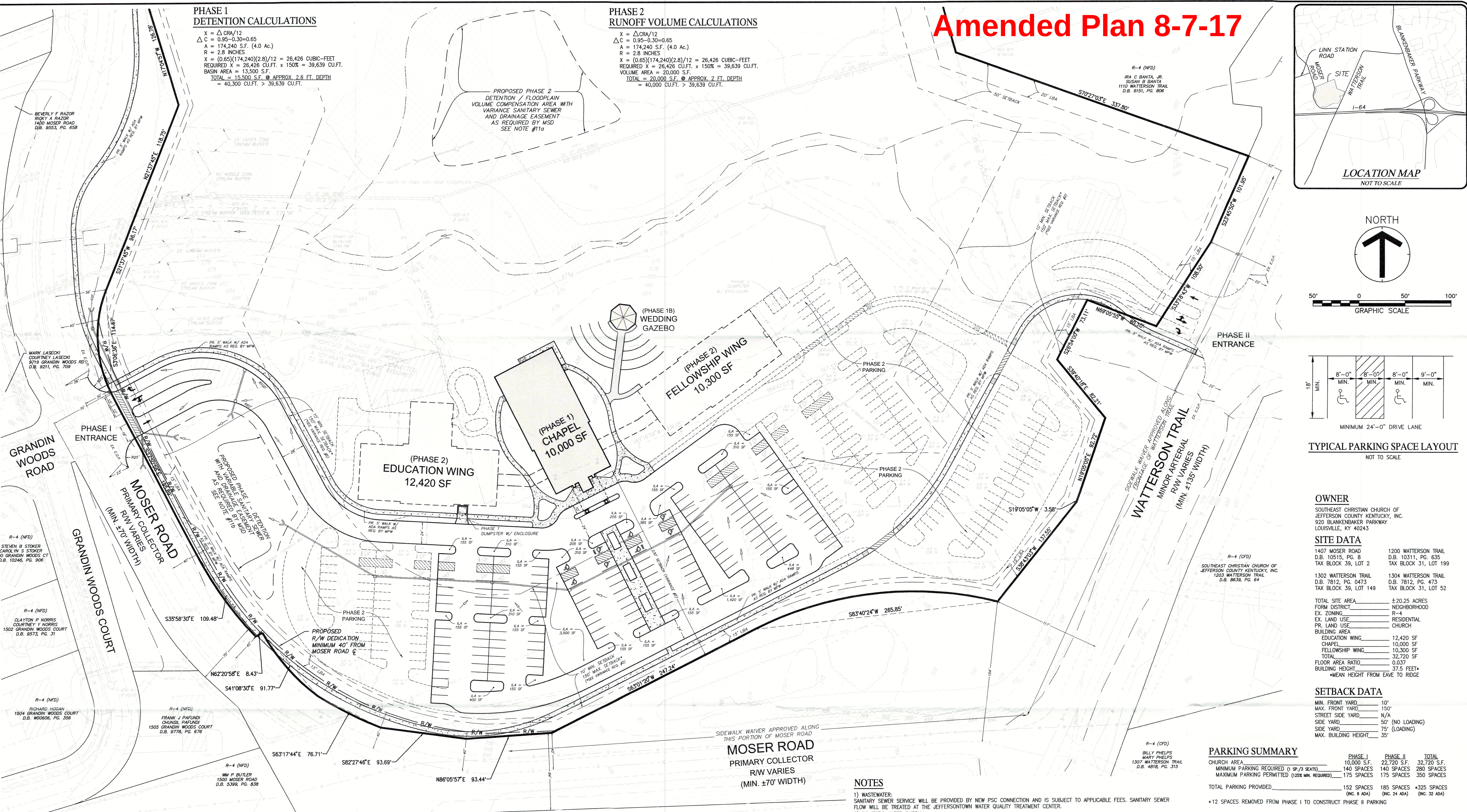


X:\AA-Projects-2015\15074 - Southeast Christian Church Chapel in the Woods\Preliminary\15074 - C14 - SE Chapel in The Woods - Amended Development Planning PLOT DATE: July 24, 2017 - 7:59pm



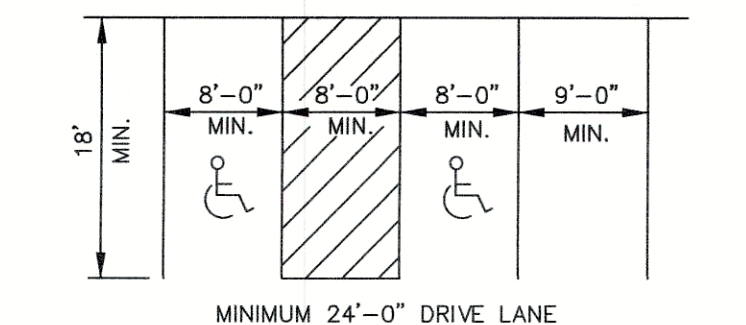
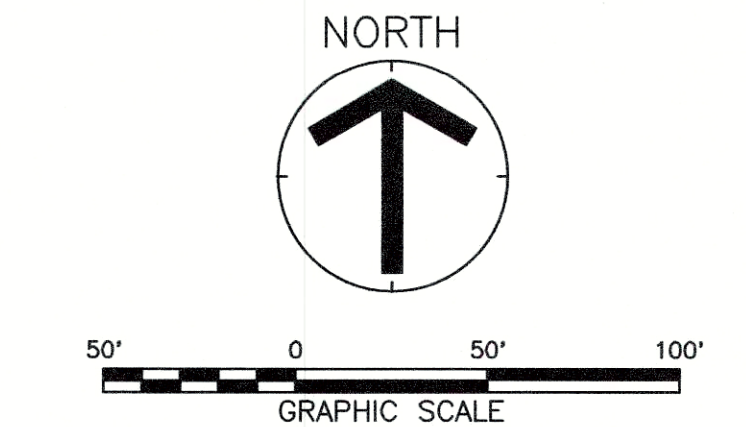
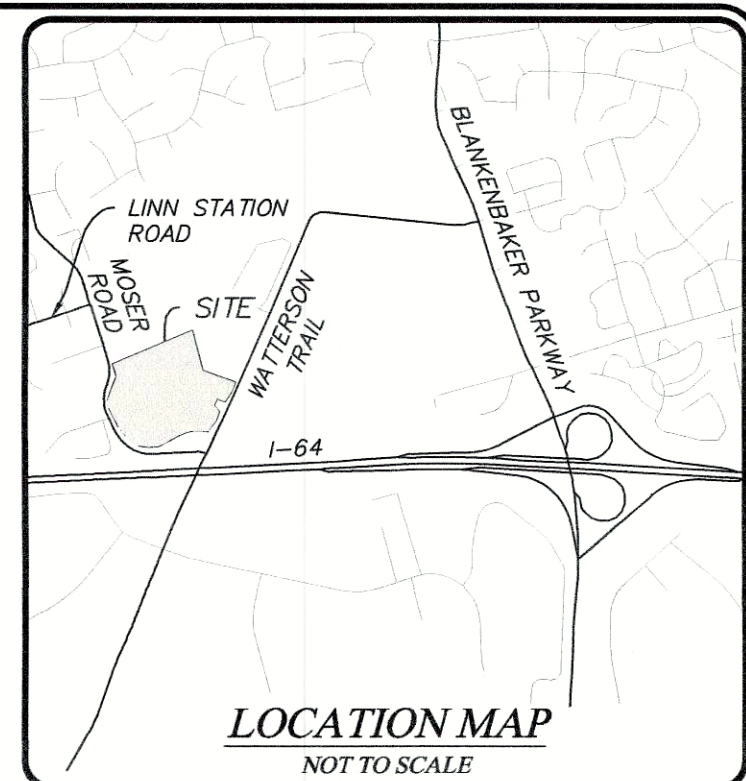
PHASE 1 DETENTION CALCULATIONS

$X = \Delta C / 12$
 $\Delta C = 0.95 - 0.30 = 0.65$
 $A = 174,240 \text{ S.F. (4.0 Ac.)}$
 $R = 2.8 \text{ INCHES}$
 $X = (0.65)(174,240)(2.8)/12 = 26,426 \text{ CUBIC-Feet}$
 $\text{REQUIRED } X = 26,426 \text{ CU.FT.} \times 150\% = 39,639 \text{ CU.FT.}$
 $\text{BASIN AREA} = 13,500 \text{ S.F.}$
 $\text{TOTAL} = 15,500 \text{ S.F.} \approx \text{APPROX. } 2.6 \text{ FT. DEPTH}$
 $= 40,300 \text{ CU.FT.} > 39,639 \text{ CU.FT.}$

PHASE 2 RUNOFF VOLUME CALCULATIONS

$X = \Delta C / 12$
 $\Delta C = 0.95 - 0.30 = 0.65$
 $A = 174,240 \text{ S.F. (4.0 Ac.)}$
 $R = 2.8 \text{ INCHES}$
 $X = (0.65)(174,240)(2.8)/12 = 26,426 \text{ CUBIC-Feet}$
 $\text{REQUIRED } X = 26,426 \text{ CU.FT.} \times 150\% = 39,639 \text{ CU.FT.}$
 $\text{VOLUME AREA} = 20,000 \text{ S.F.}$
 $\text{TOTAL} = 20,000 \text{ S.F.} \approx \text{APPROX. } 2 \text{ FT. DEPTH}$
 $= 40,000 \text{ CU.FT.} > 39,639 \text{ CU.FT.}$

Amended Plan 8-7-17



TYPICAL PARKING SPACE LAYOUT

NOT TO SCALE

OWNER

SOUTHEAST CHRISTIAN CHURCH OF
JEFFERSON COUNTY KENTUCKY, INC.
920 BLANKENBAKER PARKWAY
LOUISVILLE, KY 40243

SITE DATA

1407 MOSER ROAD D.B. 10515, PG. 8 TAX BLOCK 39, LOT 2	1200 WATTERSON TRAIL D.B. 10311, PG. 635 TAX BLOCK 31, LOT 199
1302 WATTERSON TRAIL D.B. 7812, PG. 0473 TAX BLOCK 39, LOT 149	1304 WATTERSON TRAIL D.B. 7812, PG. 473 TAX BLOCK 31, LOT 52
TOTAL SITE AREA	± 20.25 ACRES
FORM DISTRICT	NEIGHBORHOOD
EX. ZONING	R-4
PR. LAND USE	RESIDENTIAL
BUILDING AREA	CHURCH
EDUCATION WING	12,420 SF
CHapel	10,000 SF
FELLOWSHIP WING	10,300 SF
TOTAL	32,720 SF
FLOOR AREA RATIO	0.037
BUILDING HEIGHT	37.5 FEET+ MEAN HEIGHT FROM EAVE TO RIDGE

SETBACK DATA

MIN. FRONT YARD	10'
MAX. FRONT YARD	150'
STREET SIDE YARD	N/A
SIDE YARD	50' (NO LOADING)
SIDE YARD	75' (LOADING)
MAX. BUILDING HEIGHT	35'

PARKING SUMMARY

CHURCH AREA	PHASE I	PHASE II	TOTAL
10,000 S.F.	22,720 S.F.	32,720 S.F.	
MINIMUM PARKING REQUIRED (1 SP./3 SEATS)	140 SPACES	140 SPACES	280 SPACES
MAXIMUM PARKING PERMITTED (125% MIN. REQUIRED)	175 SPACES	175 SPACES	350 SPACES
TOTAL PARKING PROVIDED	152 SPACES (INC. 8 ADA)	185 SPACES (INC. 24 ADA)	337 SPACES (INC. 32 ADA)
+12 SPACES REMOVED FROM PHASE I TO CONSTRUCT PHASE II PARKING			

LANDSCAPE DATA

PROPOSED V.U.A.	PHASE I	PHASE II	TOTAL
79,206 S.F.	103,039 S.F.	182,245 S.F.	
L.A. REQUIRED (75%)	5,940 S.F.	7,728 S.F.	13,668 S.F.
L.A. PROVIDED	9,123 S.F.	8,885 S.F.	18,008 S.F.

TREE CANOPY CALCULATIONS

GROSS SITE AREA	882,196 S.F.
CANOPY COVERAGE CLASS	CLASS 3
AREA OF SITE WITH EX. TREE CANOPY	487,372 S.F. (55%)
TREE CANOPY REQUIRED	220,549 S.F. (25%)
TREE CANOPY PRESERVED	T.B.D.*
TREE CANOPY PLANTED	220,549 S.F.
TOTAL TREE CANOPY PROVIDED	220,549 S.F. (25%)
* TREE CANOPY REQUIRED WILL BE DETERMINE AT CONSTRUCTION STAGE BASED ON FINAL SITE DISTURBANCE AND TREE PRESERVATION.	

WAIVER APPROVED - CASE# 16DEVPLAN1012

VARIANCE APPROVED - CASE# 16VARIANCE1005

- 1) WAIVER APPROVED TO NOT PROVIDE A WALK ALONG A PORTION OF MOSER ROAD AND THE ENTIRE FRONTAGE OF WATTERSON TRAIL.
- 2) VARIANCE APPROVED FROM CHAPTER 5, PART 3, SECTION 5.3.1.C.5 - TABLE 5.3.2 OF THE LAND DEVELOPMENT CODE TO EXCEED THE MAXIMUM PERMITTED HEIGHT.
- 3) VARIANCE APPROVED FROM CHAPTER 5, PART 3, SECTION 5.3.1.C.5 - TABLE 5.3.2 OF THE LAND DEVELOPMENT CODE TO EXCEED THE MAXIMUM ALLOWED SETBACK.

EROSION CONTROL NOTES

THE APPROVED EROSION PREVENTION AND SEDIMENT CONTROL (EPCS) PLAN SHALL BE IMPLEMENTED PRIOR TO ANY LAND DISTURBING ACTIVITY ON THE CONSTRUCTION SITE. ANY MODIFICATIONS TO THE APPROVED SWPP PLAN MUST BE REVIEWED AND APPROVED BY MSD'S PRIVATE DEVELOPMENT REVIEW OFFICE. SWPPP BMP'S SHALL BE INSTALLED PER THE PLAN AND MSD STANDARDS.

ACTIONS MUST BE TAKEN TO MINIMIZE THE TRACKING OF MUD AND SOIL FROM CONSTRUCTION AREAS ONTO PUBLIC ROADWAYS. SOIL TRACKING ONTO THE ROADWAY SHALL BE REMOVED DAILY.

SOIL STOCKPILES SHALL BE LOCATED AWAY FROM STREAMS, PONDS, SWALES, AND CATCH BASINS. SOIL STOCKPILES SHALL BE SEDED, MULCHED, AND ADEQUATELY CONTAINED THROUGH USE OF SILT FENCE.

WHERE CONSTRUCTION OR LAND DISTURBANCE ACTIVITY WILL OR HAS TEMPORARILY CEASED ON ANY PORTION OF A SITE, TEMPORARY SITE STABILIZATION MEASURES SHALL BE REQUIRED AS SOON AS PRACTICABLE, BUT NO LATER THAN 14 CALENDAR DAYS AFTER THE ACTIVITY HAS CEASED.

SEDIMENT LADEN GROUND WATER ENCOUNTERED DURING THE TRENCHING, BORING, OR OTHER EXCAVATION ACTIVITIES, SHALL BE PUMPED TO A SEDIMENT TRAPPING DEVICE PRIOR TO BEING DISCHARGED INTO A STREAM, POND, SWALE, AND/OR CATCH BASIN.

BENCHMARK

TOPOGRAPHICAL INFORMATION SHOWN HEREON WAS DERIVED FROM GIS DATA AND DOES NOT CONSTITUTE A SURVEY. A DETAILED SURVEY WILL BE PERFORMED AT TIME OF CONSTRUCTION PLAN PREPARATION.

LEGEND

EX. TREE	PR. STORM SEWER
EX. FIRE HYDRANT	PR. SANITARY SEWER
EX. LIGHT POLE	PR. PROPERTY SERVICE CONNECTION
EX. UTILITY POLE	PR. ELECTRIC W/ TRANSFORMER
EX. SIGN	PR. WATER LINE
EX. PROPERTY LINE	PR. GAS LINE
EX. FENCE	PR. SWALE
EX. WATER LINE	PR. CONCRETE
EX. GAS LINE	PR. EDGE OF PAVEMENT
EX. OVERHEAD ELECTRIC	PR. FENCE
EX. UNDERGROUND ELECTRIC	PR. SILT FENCE
EX. SWALE	PR. FIRE HYDRANT
EX. STORM SEWER	PR. LIGHT POLE
EX. SANITARY SEWER	PR. SIGN
EX. CONCRETE	LIMITS OF PROPOSED BUILDING
EX. EDGE OF PAVEMENT	



Revision	Date	Description	Detailed by

ENGINEER:
HERITAGE ENGINEERING, LLC
642 South 4th Street
Louisville, KY 40202
(502) 582-1412
(502) 582-1413 Fax

DEVELOPER:
**SOUTHEAST CHRISTIAN CHURCH OF
JEFFERSON COUNTY KENTUCKY, INC.**
920 BLANKENBAKER PARKWAY
LOUISVILLE, KY 40243

PROJECT: (AMENDED) CATEGORY 3 DEVELOPMENT PLAN
FOR
**SOUTHEAST CHRISTIAN CHURCH
CHAPEL IN THE WOODS**
1407 MOSER ROAD
LOUISVILLE, KY 40299

JOB NO: 15074
HORIZ. SCALE: 1"=50'
VERT. SCALE: N/A
DESIGNED BY: JDC
CHECKED BY: SWH
DATE: JUNE 22, 2016

SHEET
C14