

LANDSCAPING NOTES

- ALL PLANT MATERIAL SHALL BE (PER 29-4.4(c)(3 & 4)):
 - HARDY TO CENTRAL MISSOURI (USDA HARDINESS ZONE 5B)
 - FREE OF DISEASE AND INSECTS
 - CONFORMING TO AMERICAN STANDARD NURSERY STOCK OF THE AMERICAN ASSOCIATION OF NURSERYMEN
- ALL LANDSCAPED AREAS SHALL RECEIVE THE FOLLOWING:
 - PERMANENT LANDSCAPED AREAS: MIN 6" OF TOPSOIL
 - INTERIOR LANDSCAPED ISLANDS: MIN. 15" OF TOPSOIL
 - THE SITE CONTRACTORS SHALL BE RESPONSIBLE TO PROVIDE FINISHED GRADE TO THIS SUBGRADE
 - NO LESS THAN 50% OF LANDSCAPED AREA MUST BE COVERED WITH LIVE PLANTS, NOT MULCH, BARK, GRAVEL, ETC (PER 29-4.4(C)(4)).
- PLANTING MATERIALS SHALL BE OF THE FOLLOWING MINIMUM SIZE (PER 29-4.4(C)(4)):
 - LARGE DECIDUOUS SHADE TREES (MATURE HEIGHT >45') = 2" CALIPER
 - MEDIUM DECIDUOUS SHADE TREES (MATURE HEIGHT 30'-45') = 2" CALIPER
 - SMALL DECIDUOUS SHADE TREES (MATURE HEIGHT 20'-30') = 4" IN HEIGHT
 - ORNAMENTAL TREE (MATURE HEIGHT <20') = 4' IN HEIGHT
 - CONIFER = 6' IN HEIGHT
 - SHRUBS = 5-GAL CONTAINER
 - GROUND COVER = APPROPRIATE FOR 50% COVERAGE WITHIN 2 GROWING SEASONS
 - GRASS, SEED, SOIL = >80% PURE LIVE SEED, 99% WEED FREE
- PLANTINGS SHALL NOT BE PLACED CLOSER THAN 4' FROM THE FENCE OR PROPERTY LINE, UNLESS APPROVED BY THE CITY OF COLUMBIA
- SHADE TREES SHALL NOT OCCUR IN BUFFER AREAS (PER 29-4.4(C)(8))
- SIGHT TRIANGLE (PER 29-4.4(C)(11)): NO PLANTINGS WITH MATURE HEIGHTS TALLER THAN 18 INCHES SHALL BE PLACED WITHIN THE DEFINED SIGHT TRIANGLE AS SHOWN ON THE PLAN.
- PLANTING SHALL BE COMPLETED WITHIN ONE PLANTING SEASON (SPRING TO FALL) OF THE COMPLETION OF EXTERIOR IMPROVEMENTS OR WITHIN ONE YEAR OF THE ISSUANCE OF THE LAND DISTURBANCE PERMIT, WHICHEVER OCCURS LATER (PER 29-4.4(C)(3)). THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A PERFORMANCE BOND, ESCROW LETTER OF CREDIT, OR OTHER INSTRUMENT ACCEPTABLE TO THE CITY OF COLUMBIA AND THE CITY OF COLUMBIA AND OWNER, FOR ANY WORK NOT COMPLETED OR ACCEPTED WITHIN THIS TIME FRAME.
- TREE PROTECTION SHALL BE REQUIRED PRIOR TO AND DURING CONSTRUCTION AND LAND DISTURBANCE ACTIVITIES.
- NO ACTIVITY WITH THE POTENTIAL OF CAUSING DAMAGE TO THE ROOT SYSTEM OF TREES SHALL BE ALLOWED WITHIN 20 FEET OF THE OUTSIDE OF PRESERVED, PROTECTED, OR PLANTED TREE DRIP LINE (PER 29-4.4(C)(4))
- ORANGE CONSTRUCTION FENCE, WITH A SIGN STATING "TREE PROTECTION - KEEP OUT" EVERY 100 FEET, SHALL BE INSTALLED ALONG THE PERIMETER OF THE TREE PROTECTION AREA BEFORE AND THROUGHOUT CONSTRUCTION.
- IF SITE GRADING OCCURS WITHIN 20' OF THE TREE PRESERVATION, THE PERIMETER OF THE AREA MUST BE TRENCHED TO A MINIMUM WIDTH AND DEPTH OF 2', AND ROOT PRUNED.
- NO CONSTRUCTION ACTIVITIES, MATERIAL STORAGE, OR OTHER ASSOCIATED ACTIVITY SHALL BE ALLOWED WITHIN THE FENCED AREA.
- ALL TREE AND VEGETATION PROTECTION MEASURES SHALL BE INSPECTED AND APPROVED BY CITY STAFF PRIOR TO THE START OF ANY LAND DISTURBING ACTIVITIES
- THE CONTRACTOR'S SOLE EXPENSE, BY ONE OF THE FOLLOWING, AS FOUND ACCEPTABLE TO THE CITY OF COLUMBIA, SHALL BE PROVIDED:
 - PAYMENT TO THE CITY OF COLUMBIA RIGHT OF WAY LANDSCAPING BUDGET PER NEW TREE REQUIRED TO REPLACE IMPACTED TREE.
 - REPLACEMENT OF DAMAGED TREES PER 29-4.4(C)(3)(i).

LANDSCAPING STRIP NOTE (PER 29-4.4(c))

REQUIRED	PROVIDED
WIDTH (FT):	N/A
PRIVATE YARD TREES:	N/A
PLANTING CATEGORIES:	N/A
COVERAGE OF STRIP:	>50%
OPACITY (1' TO 5' ABOVE GRADE)	>80%

STREET TREES:

1/60 LF * 172 LF = 3	3
30% OF TOTAL = 1	1
30% OF TOTAL = 2	2

TOTAL TREES: 3 3

#PLANTING MATERIALS PROVIDED: ORNAMENTAL TREES, MEDIUM SHADE TREES, LARGE SHADE TREES, GRASS, AND SHRUBS

PROPERTY EDGE BUFFERING NOTE (PER 29-4.4(e))

SUBJECT PROPERTY: ZONING: COMMERCIAL	SCREENING LEVEL	BUFFER AREA	TREES
ADJACENT PROPERTIES:			
NORTH: M-DT	N/A	-	-
SOUTH: MULTIFAMILY	1	852 SF	5
EAST: R/W	N/A	-	-
WEST: M-DT	N/A	-	5

PLANTING CATEGORIES:

REQUIRED	PROVIDED
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PARKING LOT LANDSCAPING NOTE (PER 29-4.4(f))

REQUIRED	PROVIDED
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SEEDING / SODDING SPECIFICATIONS

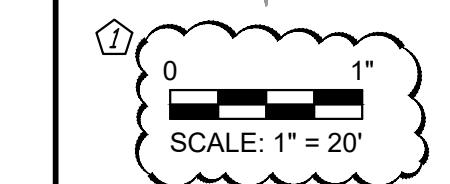
- FINISH GRADE SHOWN ON PLAN INCLUDES 6" OF TOPSOIL RESPREAD FROM STOCKPILES.
- ALL DISTURBED AREAS SHALL BE SEADED OR SODDED PER SPECIFICATIONS.
- ALL LAWN AREAS TO BE SOD AROUND & WITHIN 15 FEET OF BUILDINGS AND WALKS.

NOTES

- IMMEDIATELY UPON COMPLETION OF FINISH GRADING IN EACH AREA, ALL LANDSCAPED AREAS SHALL BE SEADED AND MULCHED.
- ALL NURSERY STOCK SHALL CONFORM TO THE CURRENT "AMERICAN STANDARDS FOR NURSERY STOCK" ANSI Z60.1.
- LIVING LANDSCAPING SHALL BE USED TO COVER ALL OPEN GROUND SUPPLEMENTED WITH HARD WOOD MULCH.
- LANDSCAPING SHALL BE PLANTED SUCH THAT THE MATURE SPREAD OF THE PLANT IS TO REMAIN 2' FROM THE BUILDING.
- VARIANCE GRANTED TO ALLOW REQUIRED STREET TREES TO BE PLACED NO GREATER THAN 50 FEET FROM THE FRONTING PROPERTY LINE OF THE SUBJECT SITE.
- SITE IS ZONED M-DT

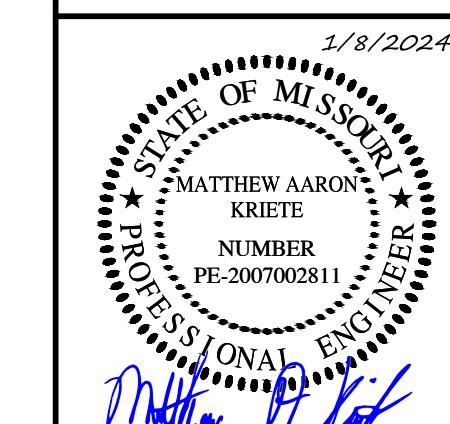
CONDITIONAL USE PERMIT BREW CREW, LLC

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www.ess-inc.com
MO Engineering Corp. # 200405018



1/8/2024
MATTHEW AARON KRIETE
NUMBER PE-200700281
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Date DECEMBER 15, 2023

Revised JANUARY 8, 2023

Design: JH Drawn: CGH

LANDSCAPE PLAN

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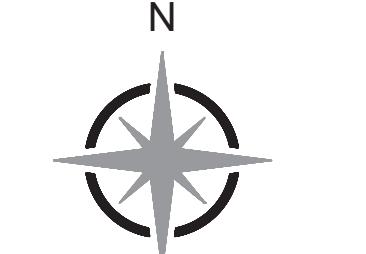
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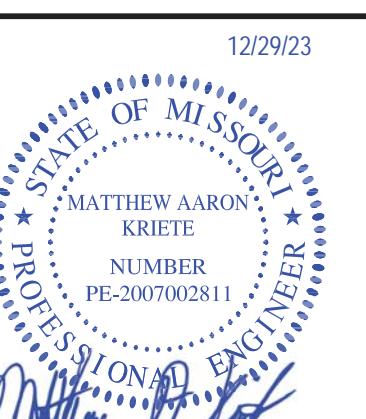
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SCALE: 1" = 20'

CONDITIONAL USE PERMIT
BREW CREW, LLC
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12/29/23
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DECEMBER 29, 2023

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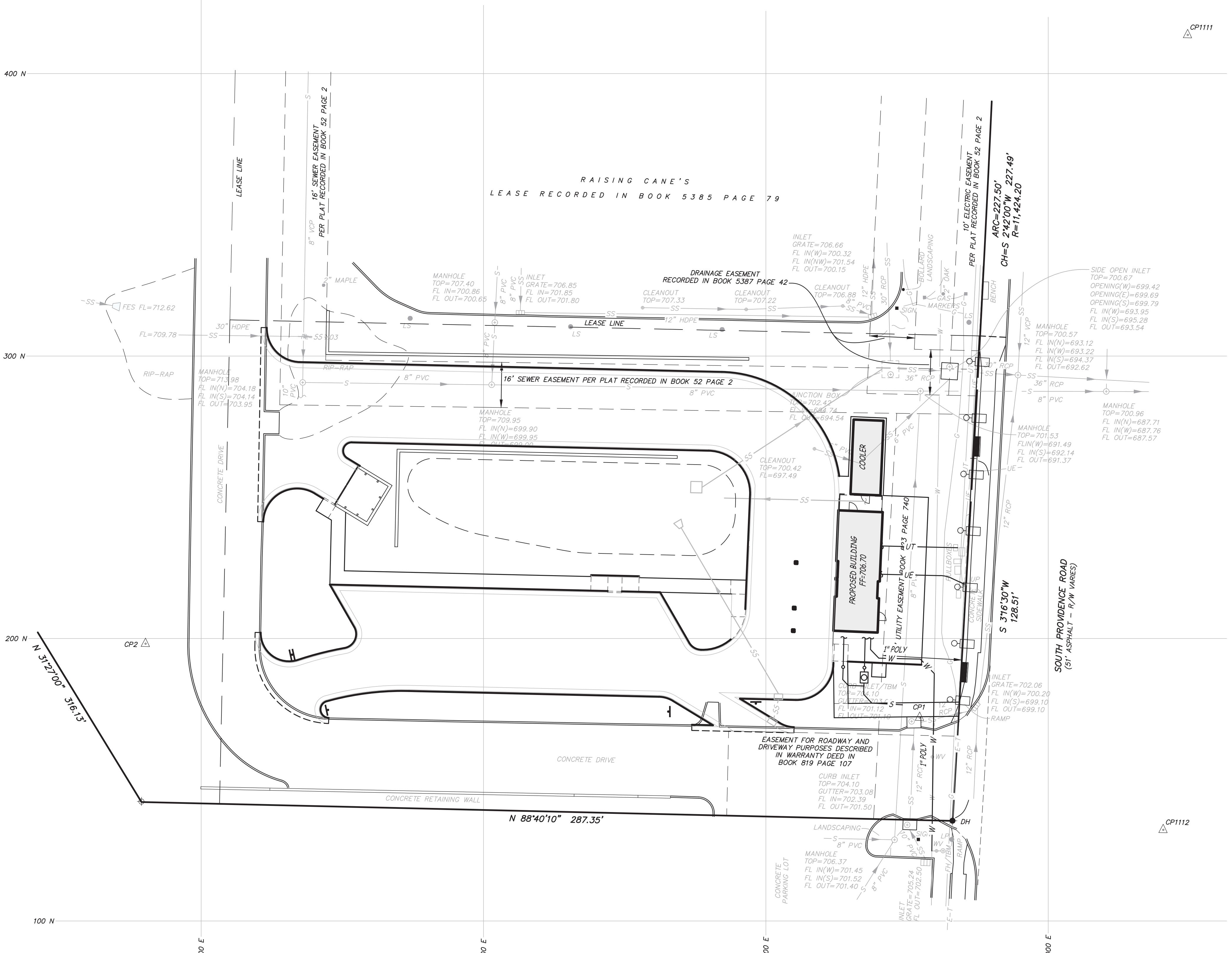
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NOT FOR CONSTRUCTION

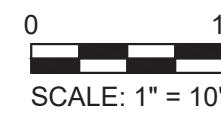
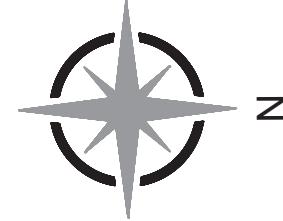




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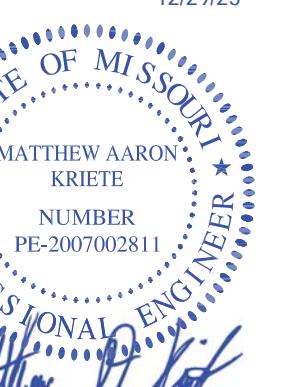
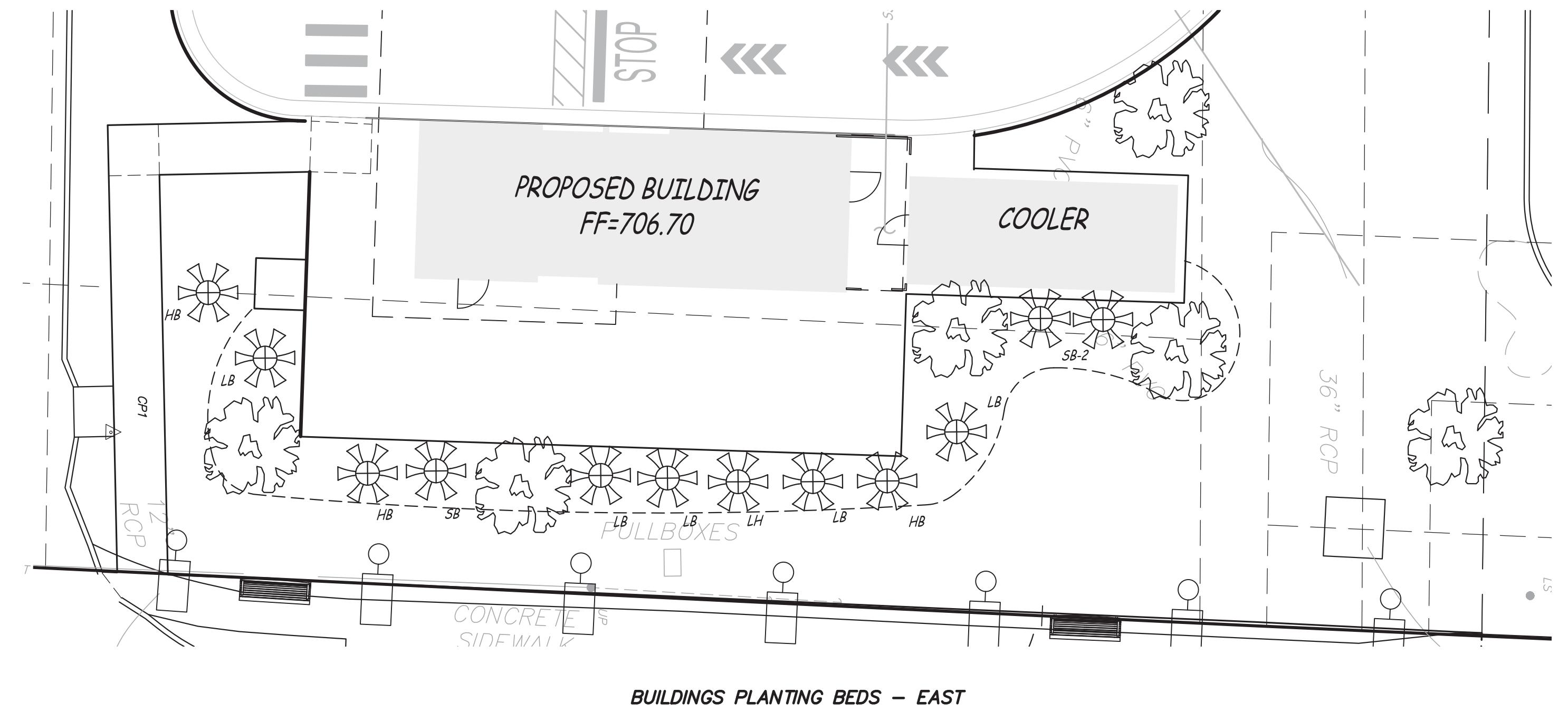
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SCALE: 1" = 10'

CONDITIONAL USE PERMIT
BREW CREW, LLC
7 BREW

COLUMBIA, BOONE COUNTY, MISSOURI



MATTHEW A. KRIESE
PROFESSIONAL ENGINEER
PE-2007002811

Matthew A. Kriete
Signature

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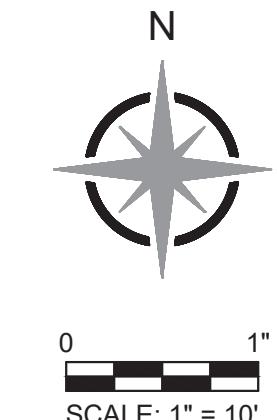
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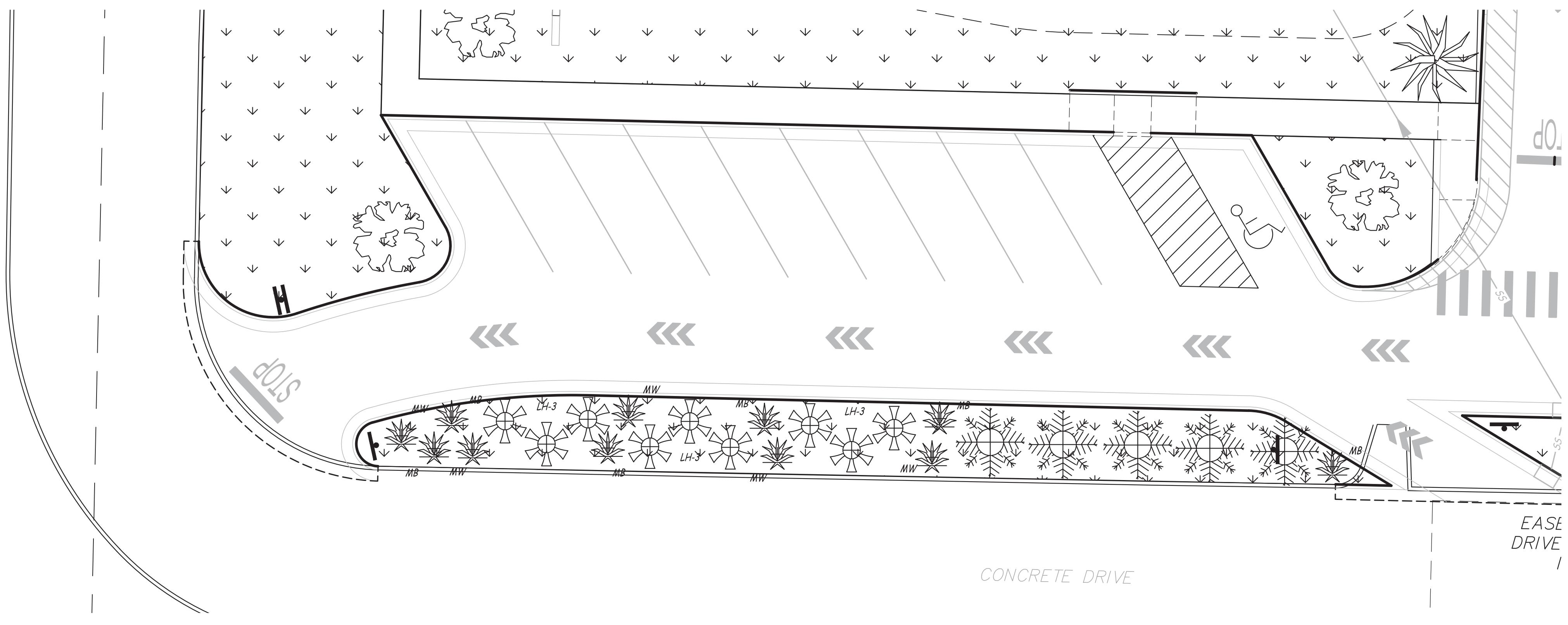
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LANDSCAPE PLAN

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SCALE: 1" = 10'

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PROPERTY EDGE BUFFERING - SOUTH

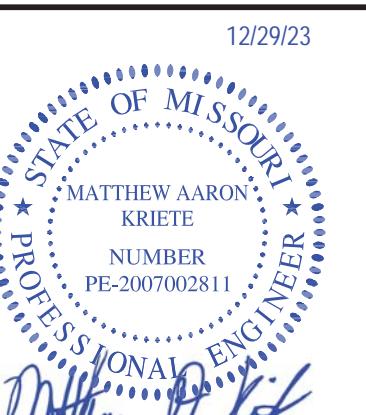
PLANT SCHEDULE									
SYMBOL	LARGE DECIDUOUS SHADE TREES								
LABEL	QTY	COMMON NAME	BOTANICAL NAME	MATURE HEIGHT (FT)	MATURE SPREAD (FT)	SHADE/SUN	ZONE	FLOWERING	NATIVE REGION
GG	3	GRINDSTONE GINKGO	GINKGO BILoba 'GRINDSTONE'	20-30	5-10	FULL SUN	4-8	YES, APRIL	EASTERN ASIA
JW	3	JAPANESE WHITE BIRCH	BETULA PLATYPHYLLA 'FARGO' DAKOTA PINNACLE	30-40	10-12	FULL SUN - PART SHADE	3-7	NA	EASTERN ASIA
KS	4	NARROW KINDRED SPIRIT OAK TREE	QUERCUS 'NADLER' KINDRED SPIRIT	50-60	10-20	FULL SUN	4-9	YES, APRIL	NA

SYMBOL	MEDIUM DECIDUOUS SHADE TREES (CANOPY TREE)								
LABEL	QTY	COMMON NAME	BOTANICAL NAME	MATURE HEIGHT (FT)	MATURE SPREAD (FT)	SHADE/SUN	ZONE	FLOWERING	NATIVE REGION
RM	2	RED SUNSET RED MAPLE	ACER RUBRUM 'RED SUNSET'	40-50	30-40	FULL SUN-PART SHADE	3-9	YES, MARCH	CENTRAL & EASTERN U.S.

SYMBOL	CONIFERS OR EVERGREEN TREES								
LABEL	QTY	COMMON NAME	BOTANICAL NAME	MATURE HEIGHT (FT)	MATURE SPREAD (FT)	SHADE/SUN	ZONE	FLOWERING	NATIVE REGION
AR	5	GREEN GIANT ARBORVITAE	THUJA 'GREEN GIANT'	40-60	12-18	FULL SUN-PART SHADE	5-8	NA	CENTRAL & EASTERN U.S.

SYMBOL	DECIDUOUS SHRUBS								
LABEL	QTY	COMMON NAME	BOTANICAL NAME	MATURE HEIGHT (FT)	MATURE SPREAD (FT)	SHADE/SUN	ZONE	FLOWERING	NATIVE REGION
HB	3	BIGLEAF HYDRANGEA	HYDRANGEA MACROPHYLLA 'BAILMER' ENDLESS SUMMER	3-4	3-4	PART SHADE	4-9	YES, JULY-SEPTEMBER	EAST ASIA & CENTRAL AMERICA
LB	5	LILAC 'BLOOMERANG'	SYRINGA 'PENDA' BLOOMERANG	3-4	3-4	FULL SUN	4-7	YES, APRIL-MAY	EUROPE & ASIA
LH	10	VIRGINIA SWEETSPIRE	ITEA VIRGINIICA 'SPRICH' LITTLE HENRY	1.5-2	2-2.5	FULL SUN-PART SHADE	5-9	YES, JUNE-JULY	CENTRAL & SOUTHEASTERN U.S.
SB	3	SPIREA 'DOUBLE PLAY BIG BANG'	SPIRAEA JAPONICA 'DOUBLE PLAY BIG BANG'	2-3	2-3	FULL SUN-PART SHADE	3-9	YES, JUNE-SEPTEMBER	U.S.

SYMBOL	PERENNIAL FLOWER								
LABEL	QTY	COMMON NAME	BOTANICAL NAME	MATURE HEIGHT (FT)	MATURE SPREAD (FT)	SHADE/SUN	ZONE	FLOWERING	NATIVE REGION
MW	5	BUTTERFLY MILKWEED	ASCLEPIAS TUBEROSA	1.0-1.5	1-2.5	FULL SUN	3-9	YES, JUNE - AUGUST	CENTRAL & EASTERN U.S.
MB	6	THREADLEAF COREOPSIS	COREOPSIS VERTICILLATA 'MOONBEAM'	1.5-2	1.5-2	FULL SUN	3-9	YES, JUNE - AUGUST	NORTH AMERICA


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