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Keenan K. Simon
MO-PE 2016017682
MY LICENSE RENEWAL DATE IS DECEMBER 31, 2024

12/28/2023

REVISIONS

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A GOOD START P-D PLAN GRACE LANE AND RICHLAND RD. COLUMBIA, MO 65201

ENGINEER DRAWN BY
KKS TRA
CHECKED BY SSE PROJECT #
KKS 23147
PD LANDSCAPE PLAN
DRAWING NO. SHEET NO.
PD101 02 OF 02

SIGNIFICANT TREE CALCULATIONS

NO SIGNIFICANT TREES ON SITE

CLIMAX FOREST / TREE PRESERVATION

NO CLIMAX FOREST ON SITE

LANDSCAPE DATA

TOTAL AREA: 1.79 AC

MAX IMPERVIOUS AREA: 1.25 AC (70%)

MIN PERVIOUS AREA (LANDSCAPE): 0.54 AC (30%)

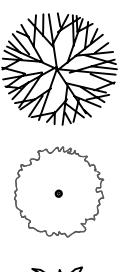
STREET FRONTOAGE TREES:

(S) = STREET TREE

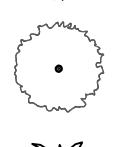
GRACE LN.: 396 FT
29-4.4(D.2) 396 FT/60 FT: 7 TREES

RICHLAND RD.: 225 FT
29-4.4(D.2) 225 FT/60 FT: 4 TREES

TOTAL TREES REQUIRED = 11 TREES



LARGE TREES = RED OAK, PIN OAK, LONDON PLANE TREE 4/11 = 36% LARGE TREES > 30%



MEDIUM TREES = AMUR MAPLE, MAGNOLIA, ZELKOVA
4/11 = 36% MEDIUM TREES > 30%



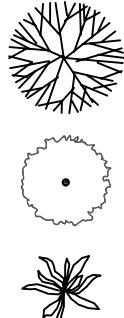
OTHER TREES = RED BUD, FLOWERING DOGWOOD
3/11 = 27% OTHER TREES

PARKING LOT TREES:

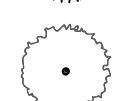
TOTAL PARKING LOT / DRIVE AREA: 16,000 SQFT PH1 & 7,825 SQ FT FUTURE
23,825 SQFT/4000 SQFT: 6 PARKING LOT TREES REQUIRED

(P) = PARKING LOT TREE

PARKING LOT TREES (6 REQUIRED)



LARGE TREES = LONDON PLANE, RED OAK, PIN OAK
3/6 = 50% LARGE TREES > 40%



MEDIUM TREES = AMUR MAPLE, ZELKOVA,
2/6 = 33% MEDIUM TREES > 30%



OTHER TREES = RED BUD
1/6 = 16% OTHER TREES

LANDSCAPE BUFFER TREES:

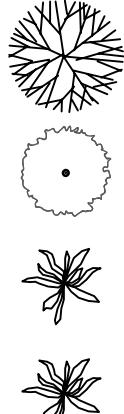
(L) = LANDSCAPE BUFFER TREE

LANDSCAPE BUFFER AT PARKING LOT FRONTOAGE OF GRACE LANE
LANDSCAPE BUFFER CALCS
1260 SQFT/200 SQFT = 7 TREES REQUIRED

LANDSCAPE BUFFER NORTH PROPERTY LINE (LEVEL 3 BUFFER)
LANDSCAPE BUFFER CALCS
2,329 SQFT/200 SQFT = 12 TREES REQUIRED

LANDSCAPE BUFFER EAST PROPERTY LINE (LEVEL 3 BUFFER)
LANDSCAPE BUFFER CALCS
3,465 SQFT/200 SQFT = 17 TREES REQUIRED

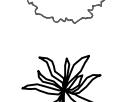
TOTAL TREES = 36



LARGE TREES = (5/36) RED OAK, PIN OAK



MEDIUM TREES = (8/36) MAGNOLIA, AMUR MAPLE



SMALL TREES = (11/36) SNOWDRIFT CRABAPPLE,



ORNAMENTAL TREES = (12/36) FLOWERING DOGWOOD, RED BUD

REMAINING BUFFER PLANTING:
SHRUBS AND FLOWERING PLANTS THAT COVER A MINIMUM OF FIFTY (50)
PERCENT OF THE REMAINING AREA WITH A MINIMUM OF TWENTY-FIVE (25)
PERCENT OF THAT PLANT MATERIAL BEING IN FLOWERING SHRUBS

1. A LANDSCAPE PLAN WILL BE PROVIDED AT CONSTRUCTION DOCUMENT SUBMITTAL THAT WILL BE COMPLIANT WITH 29-4.4 WITH ADJUSTMENTS AS FOLLOWS :

PER 29-4.4(e)(1) THIS PROPERTY IS TO HAVE A 10FT WIDE LANDSCAPE BUFFER AND A 8FT TALL SCREENING DEVICE.

