**TREE RETENTION CALCULATIONS**

**EXISTING SIGNIFICANT TREES ONSITE:**

**MINIMUM TREES REQUIRED FOR RETENTION:**

**SIGNIFICANT TREES TO BE RETAINED:**

**SIGNIFICANT TREES TO BE RETAINED WITH CREDITS APPLIED:**

**SIGNIFICANT TREES TO BE REMOVED:**

**REQUIRED REPLACEMENT TREES:**

- **59**
- **43 (10 TREES X 4.3 GROSS ACRES = 43)**
- **15**
- **30**
- **44**
- **13 (43 REQUIRED TREES - 30 RETAINED TREE CREDITS = 13 REPLACEMENT TREES)**

**PER K.C.C.16.82.156.C.3.A, A SIGNIFICANT TREE MAY BE CREDITED AS TWO TREES WHEN IT MEETS ONE OR MORE OF THE FOLLOWING CHARACTERISTICS, THE TREE IS EIGHTEEN INCHES OR GREATER IN DIAMETER.**

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**LEGEND**

- Main Trees to be Retained
- Significant Trees to be Retained with Credits Applied
- Significant Trees to be Removed
- Light Trees

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**TREE RETENTION TABLE**

<table>
<thead>
<tr>
<th>Tree</th>
<th>Transect</th>
<th>Type</th>
<th>Year</th>
<th>Size</th>
<th>Name</th>
<th>Diameter</th>
<th>Location</th>
<th>Reference</th>
<th>Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

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**SCALE: 1" = 30'**
STREETSCAPE PLANTING SCHEDULE

<table>
<thead>
<tr>
<th>TRACT</th>
<th>STREET TREE (TYP.)</th>
<th>REPLACEMENT TREE (TYP.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>ACER NIGRUM 'GREENCOLUMN'</td>
<td>PRUNUS SARGENTII 'COLUMNARIS'</td>
</tr>
<tr>
<td>B</td>
<td>STYRAX JAPONICUS</td>
<td></td>
</tr>
</tbody>
</table>
### Recreation Plant Schedule

<table>
<thead>
<tr>
<th>QTY</th>
<th>BOTANICAL NAME</th>
<th>COMMON NAME</th>
<th>SIZE</th>
<th>SPACING</th>
<th>GROUND COVERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>BALD HIP ROSE</td>
<td>HEAVENLY BAMBOO</td>
<td>2 GAL.</td>
<td>3` O.C.</td>
<td>LIRIOPE MUSCARI</td>
</tr>
<tr>
<td>5</td>
<td>B. CALMINATUM</td>
<td>VINE MAPLE</td>
<td>2` O.C.</td>
<td>4` O.C.</td>
<td>COTONEASTER DAMMERI <code>LOWFAST</code></td>
</tr>
<tr>
<td>2</td>
<td>KELSEY DOGWOOD</td>
<td>PINK ABELIA</td>
<td>3 GAL.</td>
<td>4` O.C.</td>
<td>LAWN</td>
</tr>
<tr>
<td>2</td>
<td>KALIEDOSCOPE ABELIA</td>
<td>PINK ABELIA</td>
<td>3` O.C.</td>
<td>4` O.C.</td>
<td>COTONEASTER DAMMERI <code>LOWFAST</code></td>
</tr>
<tr>
<td>2</td>
<td>PINK ABELIA</td>
<td>LILY TURF</td>
<td>3` O.C.</td>
<td>4` O.C.</td>
<td>LILY TURF</td>
</tr>
<tr>
<td>2</td>
<td>COMMON NAME</td>
<td>GOLDFLAME SPIREA</td>
<td>3` O.C.</td>
<td>4` O.C.</td>
<td>SPIRAEA X BUMALDA <code>GOLDFLAME</code></td>
</tr>
<tr>
<td>2</td>
<td>GOLDEN NOOTKA CYPRESS</td>
<td>GOLDEN NOOTKA CYPRESS</td>
<td>3` O.C.</td>
<td>4` O.C.</td>
<td>ARCTOSTAPHYLOS UVA-URSI</td>
</tr>
</tbody>
</table>

### Recreation Space Calculations

<table>
<thead>
<tr>
<th>TRACT A</th>
<th>TYPE OF REPLACEMENT TREES (TYP.)</th>
<th>QUANTITY</th>
<th>SIZE</th>
<th>SPACING</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>REPLACEMENT TREE (TYP.)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>BALD HIP ROSE</td>
<td>5</td>
<td>2 GAL.</td>
<td>3` O.C.</td>
</tr>
<tr>
<td></td>
<td>B. CALMINATUM</td>
<td>2</td>
<td>2` O.C.</td>
<td>4` O.C.</td>
</tr>
<tr>
<td></td>
<td>KELSEY DOGWOOD</td>
<td>2</td>
<td>3 GAL.</td>
<td>4` O.C.</td>
</tr>
<tr>
<td></td>
<td>KALIEDOSCOPE ABELIA</td>
<td>2</td>
<td>3` O.C.</td>
<td>4` O.C.</td>
</tr>
<tr>
<td></td>
<td>PINK ABELIA</td>
<td>2</td>
<td>3` O.C.</td>
<td>4` O.C.</td>
</tr>
<tr>
<td></td>
<td>COMMON NAME</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>GOLDFLAME SPIREA</td>
<td>2</td>
<td>3` O.C.</td>
<td>4` O.C.</td>
</tr>
</tbody>
</table>

### General Notes

1. All vegetation to be installed per all applicable KCC requirements.
2. All trees and shrubs to be installed per manufacturer's specifications and Consumer Product Safety Commission (CPSC) standards, published in the CPSC Handbook for Public Playground Safety. All equipment shall have a six-foot obstruction-free fall zone around the entire structure and shall be installed over an appropriate foundation and safety surface.
3. Recreation facilities provided are based on the required number of dwelling units (D.U.) as prescribed in KCC 21A.16.330-.370.
4. Landscape design is provided in accordance with the King County Storm Water Design Manual.
GROUNDCOVER
2" LAYER OF MULCH; TAPER TO CROWN FINISHED GRADE
ROOTBALL
TOPSOIL BACKFILL & FERTILIZER
CUT NEW ROOT MASS TO STIMULATE NEW ROOT GROWTH
UNDISTURBED NATIVE SOIL

DETAIL: PLANTING GROUNDCOVER

2 X ROOTBALL DIA.

NOTE:
TO AVOID LANDSCAPE INTRUSION INTO PATHS, THE FOLLOWING PLANTING SPACING OFFSETS FROM EDGE OF ALL PATHS, DRIVES, ACCESS ROUTES, ETC. SHALL BE MET:
GROUND COVER: 18"
SMALL SHRUBS (UNDER 3' TALL): 30"
MEDIUM SHRUBS (FROM 3' TALL TO 6'): 42"
LARGE SHRUBS (OVER 6' TALL): 48"

DETAIL: PLANTING GROUNDCOVER SPACING

PLANT SPACING PER PLANT TYPE; SEE SCHEDULE

PLANT SET CROWN OF PLANT AT FINISHED GRADE
2" LAYER MULCH; TAPER TO CROWN
SAUCER 2" HIGH
FINISHED GRADE
ROOTBALL
TOPSOIL BACKFILL & FERTILIZER
ROUGHEN ALL SURFACES OF PIT
CUT NEW ROOT MASS TO STIMULATE NEW ROOT GROWTH
UNDISTURBED NATIVE SOIL

DETAIL: PLANTING SHRUB

1. PLANT TREES 1 IN. HIGHER THAN DEPTH GROWN IN NURSERY. TREE PIT SHALL NOT BE LESS THAN 2 TIMES DIAMETER OF ROOTBALL.
2. ROOTBARRIER SHALL BE 12 IN. DEEP AND 8 L.F. ON EACH SIDE OF ROOTBALL ADJACENT TO CURBS AND PAVED SURFACES.
3. THERE SHALL BE A MINIMUM ROOTBALL DIAMETER OF 10 IN. PER TRUNK CALIPER INCH AS MEASURED 6 IN. ABOVE ROOTBALL.
4. See notes 2 and 5 for approval conditions

2" DIA. LODGE POLE PINE TREE STAKES (TYP.)
12 GA. WIRE, TWIST TO TIGHTEN
1/2" DIA. BLACK RUBBER HOSE (TYP.)
TREE WRAP AS SPECIFIED TO FIRST BRANCHING
2" MULCH LAYER
3" WATER BASIN
FINISH GRADE
PLANTING MIX AS SPECIFIED
MIN. 2" SAND OR CRUSHED ROCK HAND COMPACTED BASE; COVER WITH DRAIN OR WEED BARRIER FABRIC

MIN. DEPTH
2X MIN. DIA. ROOTBALL
5' MIN. BALL

50' MIN.
20' MIN.
10' MIN.
5' MIN.

NOTES:
1. TREES SHALL GENERALLY BE PLANTED BACK OF THE SIDEWALK. PLANTING STRIPS WILL BE APPROVED ONLY IF PART OF A LANDSCAPING PLAN IN WHICH PLANT MAINTENANCE, COMPATIBILITY WITH UTILITIES, AND TRAFFIC SAFETY ARE DULY CONSIDERED.
2. IF PLANTING STRIPS ARE APPROVED:
   A) MINIMUM DISTANCE FROM CENTER OF ANY TREE TO FACE OF VERTICAL CURB SHALL BE 3 FT.
   B) TREES SHALL BE STAKED IN A MANNER NOT TO OBSTRUCT SIDEWALK TRAFFIC.
   C) MINIMUM CLEAR SIDEWALK WIDTH SHALL BE 5 FT. IN RESIDENTIAL OR 8 FT. IN BUSINESS DISTRICTS WHERE BLOCK-OUTS OCCUR.
3. PLANS SHALL BE COORDINATED WITH METRO SERVICE PLANNING ON BUS ROUTES. PHONE 206-684-1622.
4. SEE SEC. 5.03.
5. NO TREES WITH MATURE TRUNKS GREATER THAN 4 IN. DIAMETER (AS MEASURED AT GRADE) SHALL BE PLANTED WITHIN THE KING COUNTY CLEAR ZONE. LARGER TREES MAY BE APPROVED FOR PLANTING OUTSIDE THE CLEAR ZONE AREA. NO TREES SHALL BE PLANTED WITHIN THE 50 FT. SIGHT DISTANCE TRIANGLE AT INTERSECTIONS. ALL PLANTINGS SHALL HAVE A MATURE HEIGHT LESS THAN 24 FT.