BICYCLE RACKS

1. Install bicycle racks in locations indicated on plans (along streets).
2. Bicycle racks shall have a black powder coat finish (same product sample) and be for approval.
3. Create metal racks as per City of Alexandria.
4. Install and anchor per manufacturer's specifications.

SWING BENCH

1. Install swing benches as in locations indicated on plans.
2. Install, check to ensure it is properly mounted and covered with Preventative Oil Seal and refer to guard rail for example.

NOTE: SEE IMPORTANT MAINTENANCE INSTRUCTIONS ON DRAWING NO. G-500-003

WARNING

This product is not classified as playground equipment. Children must not be allowed to play on or around this glider. Adults must supervise children at all times when using this glider.

COLUMBIA CASCADE COMPANY

APPROVED

SPECIAL USE PERMIT NO.

DEPARTMENT OF PLANNING & ZONING

2/21/18

CARPENTER SATISFIED ABDUCTION 

BIRD 

WILLOWID

2016-00035

SHEET 10 OF 31

SCALE NONE

NOiéndo FERMIN MURPHYSOUTH Zone, CO 2018
TREE PROTECTION FENCING (AS INDICATED ABOVE OR AS PER CITY ARBORIST) 

PLAN

UNIT OF BASE ROOTS OR ROOT BALL

TWO, SEPARATE FIGURE EIGHT LOOPS OF 3MM HIDE WIRE SYNTHETIC FABRIC STRAP, INTEGRAL OR ARBOR TAPING WEB

WOOD TREE STAKE OR POLE LOCATED OUTSIDE ROOT BALL

WOOD TREE TRUNK OR TRUNK OF TREE

TREE PIT MINIMUM IS ROOT BALL DIAMETER

Perspective

Installation Procedure

Step 3) Tie or otherwise secure strap to post in such a manner to allow for future adjustment

Step 1) Wrap strap around tree. Strap should be flat against the trunk without twists or kinks.

Step 2) Tie or otherwise secure strap to post in such a manner to allow for future adjustment

Arbor tape or fabric strap should be tied to form two separate figure eight loops that are not actually tied to the trunk, only attached to the post to allow slight movement of the tree and room for trunk growth without damage to the tree

Contact should be approximately halfway up the trunk of the tree [halfway between root flare and first branch attachment]

CROWN OF ROOT BALL SHALL BE AT SAME RELATION OR SLIGHTLY ABOVE TO FINISHED GRADE AS IT BORES TO PREVIOUS GRADE

GROUND COVER AND EMERGENT PLANT DETAIL

DIAMETER OF EXCAVATION TO BE MIN 1 1/2 BEYOND EDGE OF FOOTBALL

5/8" THICK MULCH LAYER ACROSS ENTIRE PLANTING HOLE (MIN. 18" DIAMETER)

BACKFILL PLANTING HOLE SUCH THAT IT IS ELEVATED 1/2" ABOVE THE SURROUNDING SOIL ELEVATIONS

FOLD DOWN OR CUT AND REMOVE TOP 1/2 OF BURLAP IF NON-BIOREGRADABLE WRAP IS USED. REMOVE TOTALITY

COMPACTED TOPSOIL MIX OR CLEAN SUBSOIL

COMPACT SUBSOIL TO FORM PEDESTAL AND PREVENT SETTLING

NOTES:

1. DO NOT DAMAGE MAIN ROOTS OR DESTROY ROOT BALL WHEN INSTALLING TREE STAKE.
2. INSTALL STAKE NOT MORE THAN 24" SUBSEQUENT TO INSTALLATION.
3. REMOVE HOSE AND STAKE AT END OF GUARANTEE PERIOD.

B AND B DECIDUOUS TREE PLANTING DETAIL

PRUNE ONLY AS DIRECTED AND APPROVED

2" THICK MULCH LAYER ACROSS ENTIRE PLANTING AREA (MIN. 18" DIAMETER)

SHRUBS SHALL BE SET SUCH THAT PLANTING HOLE AREAS ARE ELEVATED 3/4" ABOVE THE SURROUNDING SOIL ELEVATIONS. BACKFILL SHALL BE GENTLY COMPACTED TOPSOIL MIXTURE

SCARIFY PIT BOTTOM (MIN. 8")

NOTE: A CONTAINER SHRUB SHALL BE IN THAT CONTAINER SUFFICIENT TIME THAT FIBROUS ROOTS ARE FORMED SO THAT THE SHAPE WILL REMAIN AND THE MEDIUM WILL HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER.

CONTAINER SHRUB PLANTING DETAIL

TRANSPLANTS AND CONTROLLED RELEASE FERTILIZER

TRANSPLANTS COVERED WITH 1/2" OF SUBSTRATE

TRANSPLANTS AND FERTILIZER SHOULD BE PLACED IN FURROW OR HOLDS (GENERALY DEVELOPED MECHANICALLY) AND COVERED WITH 1" - 2" OF SUBSTRATE

IN HIGH ENERGY SITES WHERE EROSION IS PROBABLE, TRANSPLANTS SHOULD BE PLACED AT SUBSURFACE DEPTHS OF 3" - 4"
LEGEND

- --- PROPOSED LIGHTING = SINGLE HEAD (NOTE F)
- OPT 1 = PROMENADE LIGHTING
- OPT 2 = MARINA LIGHTING
- HISTORIC ALEXANDRIA STREET LIGHT LED FIXTURE (BY OWNER = SEPARATE CONTRACT)
- W - UNIT OF WORK
- CL C - PROPOSED ELECTRIC LINE (SEE NOTE F)
- CL 3 - PROPOSED ELECTRIC JUNCTION BOX (SEE NOTE F)
- CL F - PROPOSED 2 PLUG WATERPROOF GRID (SEE NOTE)

NOTES

A. ELECTRICAL CABINETS AND ELECTRICAL LINE ALONG LANDING STAIRS TO THE EXISTING VALENTINE EXISTENT pole TO BE CONSTRUCTED UNDER SEPARATE CONTRACT (HARMAN UTILITY)

B. CONTRACTOR TO PURCHASE AND INSTALL JUNCTION BOX IN LOCATION SHOWN. JUNCTION BOX TO BE SEPARATE LOCATION FROM THE LOCATION OF THE EXISTING VALENTINE EXISTENT. JUNCTION BOX TO BE INSTALLED WITH INSTRUMENTAL LIGHTING SYSTEM PROVIDING A PHOTOMETRIC LIGHT SYSTEM.

C. CONTRACTOR SHALL INSTALL SHOP DRAWINGS AS NEEDED FOR CITY REVIEW AND APPROVAL AND SHALL PROVIDE A COPY OF THE SHOP DRAWINGS TO THE CITY OF ALEXANDRIA.

D. CONTRACTOR TO VERIFY ALL CONNECTIVITY WITH EXISTING UTILITIES TO MINIMIZE INTERFERENCE.

E. CONTRACTOR TO VERIFY CONNECTIVITY TO EXISTING ELECTRICAL CABINETS TO PREVENT SHORTAGE.

F. FOR PREVIEW REVIEW, SEE SHEET 2 RELATED TO THE BASIC FLOOD ELEVATION (11/17/2021)

F. FOR PREVIEW REVIEW, SEE SHEET 2 RELATED TO THE BASIC FLOOD ELEVATION (11/17/2021)
GENERAL STRUCTURAL NOTES

1.00 GENERAL

1.01 DRAWINGS SHOW TYPICAL AND CERTAIN SPECIFIC CONDITIONS ONLY. FOR DETAILS NOT SPECIFICALLY SHOWN, PROVIDE DETAILS SIMILAR TO THOSE SHOWN.

1.02 VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS BEFORE STARTING WORK. NOTIFY ENGINEER OR ANY RESPONSIBILITY.

1.03 THE DESIGN, ACCURACY AND SAFETY OF ERECTION BRACKINGS, SHORING, TEMPORARY SUPPORTS, ETC., IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

1.04 COORDINATE STRUCTURAL CONTRACT DOCUMENTS WITH ARCHITECTURAL NOTICE ENGINEER. ANY CONFLICTS DURING CONSTRUCTION MUST NOT BE REMOVED OR DETERMINED BY ANY ALTERATION.

1.05 ANY MATERIALS SPECIFIED HEREIN MAY BE SUBSTITUTED FOR AN EQUIVALENT MATERIAL BY AN ALTEIN MANUFACTURED OR SUBMITTED FOR APPROVAL.

2.00 CONCRETE

2.01 PRIOR TO CASTING FOUNDATIONS, PREPARE THE SITE IN ACCORDANCE WITH PLANS, SPECIFICATIONS AND REQUIRED COMPACTNESS.

2.02 ULTIMATELY, ALL CONCRETE SHALL BE NORMAL AND HAVE THE FOLLOWING MINIMUM 28 DAY COMpressive STRENGTHS:

<table>
<thead>
<tr>
<th>Type</th>
<th>Compressive Strength (PSI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Post Foundations</td>
<td>3,000 PSI</td>
</tr>
</tbody>
</table>

2.03 WOOD FRAMING

2.04 ALL WOOD FRAMING MEMBERS ARE INTENDED TO ACT AS A SYSTEM AS DESCRIBED IN THE STRUCTURAL DRAWINGS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE SAFETY AND STABILITY OF THE FRAME SYSTEMS (I.E. TEMPORARY BRACING) AS REQUIRED DURING CONSTRUCTION.

2.05 ALL SAWN LUMBER SHALL CONFORM TO THE AMERICAN SOFTWOOD LUMBER STANDARD, PINE-H.$ LUMBER SHALL BE OF THE SPECIES AND GRADE SHOWN BELOW, UNLESS NOTED OTHERWISE.

<table>
<thead>
<tr>
<th>GRADE</th>
<th>Southern Yellow Pine-2 Pressure Treated Beam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Post Connections</td>
<td>SOUTHERN YELLOW PINE-2 PRESSURE TREATED BEAM</td>
</tr>
</tbody>
</table>

2.06 STORAGE OF ALL LUMBER AND TRIM ON THE GROUND UNDER COVER, AND PROTECTED FROM DAMAGE.

2.07 FASTENING FOR PRESERVATIVE-TREATED AND FIRE-RESISTANT TREATED WOODS SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL OR STAINLESS STEEL AND SHALL FOLLOW CURRENT MANUFACTURERS' GUIDES.

2.08 HOLES FOR SCREWS SHALL BE DRILLED WITH A BIT OF THE SAME DIAMETER AS THE BOLT 1/16" LARGER TO ALLOW SCREWS TO BE FITTED.

2.09 ALL BOLTS, CARRIAGE BOLTS, LAG SCREWS, EXPANSION BOLTS, AND EPOXY BOLTS SHALL BE INSTALLED WITH STANDARD BOLTS AND NUTS THAT ARE DIRECTLY ON THE WOOD. ALL NUTS SHALL BE TIGHTENED TO THE SPECIFIED TIGHTENING FORCE. ALL SCREWS SHALL BE TIGHTENED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. ALL SCREWS SHALL BE TIGHTENED TO THE SPECIFIED TORQUE.

2.10 MINIMUM STRENGTHS FOR LAG SCREWS AND WOOD CONNECTING SHALL BE AS FOLLOWS:

<table>
<thead>
<tr>
<th>Screw Diameter (INCHES)</th>
<th>Minimum Tensile Strength (PSI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8&quot;</td>
<td>1500</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>2500</td>
</tr>
</tbody>
</table>

CANOPY FRAMING PLAN

- Shade Fabric: 1.00 CANOPY FABRIC SHALL BE FIRE RETARDANT, UV IMPERMEABLE, AND WITHSTAND THE APPLICABLE LOADS FROM THE DESIGN WIND LOAD (IF APPLICABLE). THE CANOPY IS NOT REQUIRED TO BE REMOVABLE OR REPLACEMENTS.

- Foundation Plan: 1.00 CANOPY MUST BE FIXED TO THE BUILDING WITH.thumb Diamond Brackets OR SCHUNK FASTENING SYSTEMS. PROVIDE DETAILS SIMILAR TO THOSE SHOWN.

- Design Loads: 1.00 CONTRACTOR SHALL SUBMIT MATERIAL SPECIFICATIONS AND PREAM FOR REVIEW AND APPROVAL BY EC.

DESIGN LOADS

1.00 WIND LOAD

<table>
<thead>
<tr>
<th>Basic Wind Speed (Ultimate)</th>
<th>150 MPH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Wind Speed (Normal)</td>
<td>110 MPH</td>
</tr>
<tr>
<td>Wind Exposure</td>
<td>0</td>
</tr>
<tr>
<td>Building Category</td>
<td>OPEN</td>
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</tbody>
</table>

OPTION 4 SHADE CANOPY FRAME PLAN

- Shade Fabric: 4.01 CANOPY MATERIAL SHALL BE FIRE RETARDANT, UV IMPERMEABLE, AND WITHSTAND THE APPLICABLE LOADS FROM THE DESIGN WIND LOAD (IF APPLICABLE). THE CANOPY IS NOT REQUIRED TO BE REMOVABLE OR REPLACEMENTS.

- Foundation Plan: 4.02 CANOPY MUST BE FIXED TO THE BUILDING WITHthumb Diamond Brackets OR SCHUNK FASTENING SYSTEMS. PROVIDE DETAILS SIMILAR TO THOSE SHOWN.

- Design Loads: 4.03 CONTRACTOR SHALL SUBMIT MATERIAL SPECIFICATIONS AND PREAM FOR REVIEW AND APPROVAL BY EC.
ELEVATION SHEET NOTES:
1. REFER TO TYPICAL DETAILS FOR MINIMUM CONNECTION REQUIREMENTS.