## City of Kirkland

**Totem Lake Park Phase 1**

**PKC1390200**

**JOB NO. 00-00-PW**

**BID SET**

**September 13, 2019**

---

### Sheet Index

<table>
<thead>
<tr>
<th>Sheet Number</th>
<th>Sheet Name</th>
<th>Page Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>G000</td>
<td>COVER</td>
<td>1</td>
</tr>
<tr>
<td>G001</td>
<td>DRAWING SET SHEET SIZE IS 22&quot; X 34&quot;.</td>
<td>1</td>
</tr>
<tr>
<td>G002</td>
<td>DRAWING SET UTILIZES COLORED</td>
<td>1</td>
</tr>
<tr>
<td>G003</td>
<td>CITY OFFICIALS</td>
<td>1</td>
</tr>
<tr>
<td>G004</td>
<td>TEAM CONTACT INFO</td>
<td>1</td>
</tr>
<tr>
<td>G005</td>
<td>CONSTRUCTION MATERIALS LIST</td>
<td>1</td>
</tr>
<tr>
<td>G006</td>
<td>DRAWING SET PRINTING AND REPRODUCTION NOTES/REQ'S.</td>
<td>1</td>
</tr>
<tr>
<td>G007</td>
<td>CITY/OWNER CONTACT INFO</td>
<td>1</td>
</tr>
</tbody>
</table>

### Applicable Codes:

- Compliance with the following codes shall be required:
  1. City of Kirkland
  2. 2015 Uniform Plumbing Code
  3. 2015 National Electrical Code
  4. 2017 International Building Code
  5. 2015 International Fuel Gas Code
  6. 2015 International Mechanical Code
  7. 2015 International Property Maintenance Code
  8. 2015 International Plumbing Code

---

### Vicinity Map

- Totem Lake
- Project Area

---

### Team Contact Info

- Berger Partnership: Landscape Architecture
- Primary: Gregory Juttner
- Email: gregj@bergerpartnership.com
- Phone: 206-492-5560

- Symbiosis Tree Care: Arborist
- Primary: Jason Anderson
- Email: jason@thesymbiosis.com
- Phone: 425-467-5500

- Innovation Systems: Electrician
- Primary: Matt McVay
- Email: m.mcvay@innovation-sy.com
- Phone: 425-587-3874

---

### City/Owner Contact Info

- City of Kirkland
- Phone: 425-587-3872
- Email: info@cityofkirkland.org

---

### Drawing Set Printing and Reproduction Notes/Req's:

1. **一定要在第一个页面上列出“Title Block”和“ Sheet Index”**
2. **至少在第一个页面上列出“Code Compliance”部分**
3. **在每个图纸的左下角标出“Rev 1”和“Date 9/13/2019”**
4. **在图纸的右下角标出“Filename: G:\Everyone\Christine Abbott\Revit Local\Totem Lake Park-PH1_christinea@bergerpartnership.com.rvt”**
5. **在图纸的右下角标出“Revision: ∆ 12/2/2019 3:57:56 PM”**

---

### City of Kirkland

- Penny Sweet
- Mayor
- Phone: 206-263-5332

- Jay Arnold
- Deputy Mayor
- Phone: 206-263-5332

- Tom Neir
- Council Member
- Phone: 206-263-5332

- Toby Nixon
- Council Member
- Phone: 206-263-5332

- Kurt Triplett
- Council Member
- Phone: 206-263-5332

- Jeanne Coleman
- Council Member
- Phone: 206-263-5332

- Dispatch
- Phone: 206-263-5332

---

### Contact Personnel

- Name
- Organization
- Phone

- Symbiosis Tree Care
  - Arborist: Jason Anderson
  - Phone: 425-492-5560

- Innovation Systems
  - Electrician: Matt McVay
  - Phone: 425-587-3874

---

### Vicinity Map

- Totem Lake
- Project Area

---

### Additional Information

- **SET ISSUE DATE:** 09/13/2019
- **REVISIONS:** ∆ 12/2/2019 3:57:56 PM
- **Filename:** G:\Everyone\Christine Abbott\Revit Local\Totem Lake Park-PH1_christinea@bergerpartnership.com.rvt
- **Description Date:** G:\Everyone\Christine Abbott\Revit Local\Totem Lake Park-PH1_christinea@bergerpartnership.com.rvt

---

### City/Owner Contact Info

- City of Kirkland
- Phone: 425-587-3872
- Email: info@cityofkirkland.org

---

### Vicinity Map

- Totem Lake
- Project Area
## Project General Notes

**Site Seating and Table Schedule**

<table>
<thead>
<tr>
<th>Type</th>
<th>Count</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete Seating</td>
<td>11</td>
<td>Refer to Detail. Length varies.</td>
</tr>
<tr>
<td>Picnic Table</td>
<td>4</td>
<td>Refer to Detail.</td>
</tr>
<tr>
<td>Vaya Bench</td>
<td>1</td>
<td>Refer to Specs.</td>
</tr>
<tr>
<td>Vaya Chair</td>
<td>10</td>
<td>Refer to Specs.</td>
</tr>
<tr>
<td>Vaya Table</td>
<td>3</td>
<td>Refer to Specs.</td>
</tr>
</tbody>
</table>

**Survey Data Long North Edge of ‘Trail’ is Limited. Refer to Signed Survey Included with Project Manual for Extent of Survey.**

**Survey Data Long Boardwalk Alignment is Limited. Refer to Signed Survey Included with Project Manual for Extent of Survey.**

**No Temporary or Permanent Cut or Fill Activities Shall Be Allowed Within the Wetland. Piles Associated with Boardwalk Construction Shall Not Be Counted As Fill.**

**It is Anticipated That the Wetland Boardwalk Will Be Constructed From Temporary Floating Platforms. The Contractor Shall Submit Work Plan For Boardwalk Construction Prior to Construction.**

**Project includes Off Site Mitigation. Refer to Critical Areas Plan and Mitigation Plans Included With Critical Areas Plan For Off Site Mitigation.**

**Refer to Landscape Plans For All Wall Elevation Information, Including Top Elevations.**

**Refer to CIVIL Drawings For All Horizontal and Vertical Control, Including Paving Elevation Information.**

## Site Bike Rack and Litter Bin Schedule

<table>
<thead>
<tr>
<th>Type</th>
<th>Count</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flo-Bike-Rack</td>
<td>3</td>
<td>Refer to Specs.</td>
</tr>
<tr>
<td>Litter Bin</td>
<td>4</td>
<td>Refer to Specs.</td>
</tr>
</tbody>
</table>

## Railing and Fence Schedule

<table>
<thead>
<tr>
<th>Type</th>
<th>Length</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chain Link Fence</td>
<td></td>
<td>Property Line</td>
</tr>
<tr>
<td>Guard rail - Metal panel</td>
<td></td>
<td>Property Line</td>
</tr>
<tr>
<td>Wood Fence</td>
<td></td>
<td>Property Line</td>
</tr>
<tr>
<td>Wood Guardrail</td>
<td></td>
<td>Property Line</td>
</tr>
</tbody>
</table>

## Paving Schedule

<table>
<thead>
<tr>
<th>Material Name</th>
<th>Area</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rockery Wall Takeoffs</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Abbreviations

- **AC**: Architect
- **ARCH**: Architecture
- **B**: Beams
- **D**: Decorative
- **ELEV**: Elevation
- **F**: Fiberglass
- **GA**: Gauges
- **GAL**: Gallon
- **GALV**: Galvanized
- **GEO**: Geotechnical
- **H**: Holding
- **HEAT**: Heating
- **HOR**: Horizontal
- **IN**: Interior
- **I**: Island
- **J**: Joist
- **K**: Key
- **L**: Level
- **LGT**: Lighting
- **M**: Mechanical
- **MFG**: Manufacturer
- **MIN**: Minimum
- **MORT**: Mortar
- **N**: Nails
- **O**: Outside
- **PA**: Patches
- **P**: Paving
- **PL**: Property Line
- **PO**: Posts
- **POL**: Polished
- **PRES**: Pressure
- **PT**: Pattern
- **R**: Radii
- **REBAR**: Rebar
- **S**: Sand
- **STEEL**: Steel
- **STD**: Standard
- **STL**: Stainless
- **T**: Top
- **TIGHT**: Tight
- **TML**: Trimline
- **TOP**: Topo
- **TR**: Trim
- **TW**: Top of Wall
- **U**: Utility
- **V**: Vent
- **W**: Water
- **WALL**: Wall
- **WHT**: White
- **WTR**: Waterline
- **X**: X-Section
- **Y**: Y-Section
- **Z**: Z-Section

## Table: Alignment Schedule

<table>
<thead>
<tr>
<th>Name Alignment Description</th>
<th>Type</th>
<th>Area</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Centerline</td>
<td>ALUM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Height</td>
<td>HT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landscape Alignment</td>
<td>ARCH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landscape Area</td>
<td>ARCH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landscape Boundary</td>
<td>ARCH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landscape Centerline</td>
<td>ARCH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landscape Control Joint</td>
<td>ARCH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landscape Endline</td>
<td>ARCH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landscape Footline</td>
<td>ARCH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landscape General</td>
<td>Arch</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landscape Layout</td>
<td>ARCH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landscape Pattern Joint</td>
<td>ARCH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landscape Property Line</td>
<td>ARCH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landscape Structure Engineer</td>
<td>ARCH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landscape Technical Service</td>
<td>ARCH</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Table: Paving Schedule

<table>
<thead>
<tr>
<th>Material Name</th>
<th>Area</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete Paving</td>
<td></td>
<td>Includes vehicular and pedestrian paving.</td>
</tr>
<tr>
<td>Rockery Wall</td>
<td></td>
<td>Includes exposed (visible) face only.</td>
</tr>
<tr>
<td>Rockery Wall</td>
<td></td>
<td>Includes reuse of existing piles.</td>
</tr>
<tr>
<td>Rockery Wall Takeoffs</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Material Name**: Name Alignment Description

**Area**: Name Alignment Description

**Comments**: Name Alignment Description

**Description Date**: 11/25/2019 1:12:16 PM

**Filename**: G:\Everyone\Christine Abbott\Revit Local\Totem Lake Park-PH1_christinea@bergerpartnership.com.rvt

**Sheet Name**: Landscaping General Notes & Schedules

**Sheet Number**: G001

**Plot**: 20154875.02
WETLAND CONTINUES OFFSITE

SHEETS *102

SHEETS *101

SHEETS *103

PARK' SHEET AREA

TRAIL' SHEET AREA

BOARDWALK' SHEET AREA

WETLAND ENHANCEMENT AREA (REFER TO CRITICAL AREA REPORT, INCL. AS SPEC. APPENDIX 'H' AND SHEET LP001)

BUFFER ENHANCEMENT AREA (REFER TO CRITICAL AREA REPORT, INCL. AS SPEC. APPENDIX 'H' AND SHEET LP001)

PROJECT LIMIT LINE, TYP.

WETLAND BOUNDARY, TYP.

SHEET NUMBER:

SET TYPE:

DRAWN/CHECKED:

REVISIONS:

SET ISSUE DATE:

Plotter:

Filename:

City of Kirkland
12031 Totem Lake Way, Kirkland, WA 98034

Bid Set
09/13/2019

PROJECT LIMITS - OVERALL

SCALE: 1" = 80' - 0"

NORTH
**TREE REMOVAL GENERAL NOTES**

**NEWponible**

- FOR ALL TREES REMOVED ON PARK SITE, SHEET CONC. MATERIAL SHALL BE COMPLETELY REMOVED FROM SITE.
- FOR ALL TREES REMOVED ON TRAIL SITE (SHEET ET102) THAT OCCUR AT WITHIN BUFFER, FELL TREE IN BUFFER AND LEAVE.

**NOTE #**

<table>
<thead>
<tr>
<th>Description</th>
<th>Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>WETLAND BOUNDARY LINE</td>
<td></td>
</tr>
<tr>
<td>TREE PROTECTION FENCING</td>
<td></td>
</tr>
<tr>
<td>EXISTING TREE LESS THAN 6&quot;</td>
<td></td>
</tr>
<tr>
<td>GREATER TREE TO BE REMOVED</td>
<td>E120. FOR</td>
</tr>
<tr>
<td>EXISTING DECIDUOUS 6&quot; CAL. OR GREATER TO BE RETAINED</td>
<td>IN THE BUFFER (AS SNAGS). BAYONET-STYLE CUTS MIMIC A NATURALLY-BROKEN TRUNK AND BENEFIT HABITAT CONDITIONS.</td>
</tr>
<tr>
<td>EXISTING CONIFER TREE 6&quot; CAL. OR GREATER TO BE REMOVED</td>
<td></td>
</tr>
<tr>
<td>NUMBERS E121 &amp; HIGHER, FIELD VERIFY</td>
<td></td>
</tr>
</tbody>
</table>

**TREE REMOVAL SPECIFIC NOTES**

- FOR ALL TREES REMOVED IN WETLAND AREAS, FELL TREE IN WETLAND AND LEAVE AS-IS. REMOVE/RELOCATE ANY PORTIONS OF THE TREE WHICH CONFLICT WITH PROPOSED HARDSCAPE ELEMENTS.
- FOR ALL TREES REMOVED ON PARK SITE (SHEET ET101) ALL MATERIAL SHALL BE COMPLETELY REMOVED FROM SITE.
- FOR ALL SNAGGED TREES, JAGGED, BAYONET-STYLE CUTS PREFERRED TO FLAT CUTS FOR FELLED TREES THAT WILL BE LEFT.
- FOR ALL TREES REMOVED PRIOR TO REMOVAL. CONFIRM WITH LANDSCAPE ARCHITECT. CONFIRM REMOVAL/RETAIN.
- NO TREES OR SHRUBS OUTSIDE LIMIT OF WORK SHALL BE REMOVED.

**MAJORITY OF THE TREE LANDS SOUTH OF THE TRAIL IN THE BUFFER.**

- 10' OR LESS FROM PROPOSED PATHWAYS, TRAILS, AND BOARDWALK. CUT TRUNK W/N 1'-0" OF FEXISTING GRADE.
- BE SNAGGED AT 8' MAXIMUM HEIGHT IF THEY ARE LOCATED 10' OR GREATER FROM PROPOSED PATHWAYS, TRAILS, AND BOARDWALK.
- FOR ALL TREES REMOVED ON TRAIL SITE (SHEET ET102) THAT OCCUR AT WITHIN BUFFER, FELL INTO BUFFER AND LEAVE.
- PROJECT LABELS TYP. WETLAND BOUNDARY TYP.

**SCALE: 1"=20'**

**DRAWN/CHECKED:**

**REVISIONS:**

**SET ISSUE DATE:**

**SET TYPE:**

**LOT B**

**LA-11-99-100**

**AF NO. 20000092**

**City of Kirkland**

**0331 Totem Lake Way, Kirkland, WA 98034**

**Bid Set**

**10/11/2019**

**DESCRIPTION**

**EXISTING TREE PLAN - PARK**

**DESCRIPTION**

**ET101**

**City of Kirkland**

12031 Totem Lake Way, Kirkland, WA 98034

1927 Post Alley, Ste. 2

Seattle, WA 98101

**DATE:**

**20194875.02**

**9/11/2019 8:21:26 PM**

**FILENAME:**

**G:\Everyone\Christine Abbott\Revit Local\Totem Lake Park-PH1_christinea@bergerpartnership.com.rvt**

**BERGER PARTNERSHIP PROJECT NUMBER**

**Plotted:**

**Filename:**

**Christinea@bergerpartnership.com**

**TAG ALL TREES TO BE REMOVED PRIOR TO REMOVAL. CONFIRM WITH LANDSCAPE ARCHITECT. CONFIRM REMOVAL/RETAIN.**

**TREES TO BE REMOVED: 20' TREE INVENTORY NUMBER (REFER TO**
**Tree Removal General Notes**

- **Table 1**
  - **Note #**
  - **Description**
  - 1. For all trees removed on park site (sheet ET101), all material shall be completely removed from site.
  - 2. For all trees removed on trail and boardwalk site, any portion of trees felled from the buffer that land in the wetland shall be removed from the wetland.
  - 3. For all trees removed on trail site, those that occur at or below buffer, fall into buffer and leave. Relocate any portions of the tree which conflict with proposed landscape elements.
  - 4. For all trees removed on trail site, those that occur at or below buffer, fall into buffer and leave. Relocate any portions of the tree which conflict with proposed landscape elements.
  - 5. For all trees removed in trail and boardwalk areas, any portion of trees felled from the buffer that land in the wetland shall be removed from the wetland.
  - 6. For all trees removed, jagged, bayonet-style cuts preferred to flat cuts for felled trees that will be left in the buffer (as snags). Bayonet-style cuts mimic a naturally broken trunk and benefit habitat conditions.

---

**Existing Tree Legend**

- Existing conifer tree 6" cal. or greater to be retained
- Existing deciduous tree 6" cal. or greater to be retained
- Existing tree less than 6" cal. to be removed
- Tree protection fencing
- Wetland boundary line

---

**Existing Tree Plan - Boardwalk**

- For all trees removed on park site (sheet ET101), all material shall be completely removed from site.
- For all trees removed on trail and boardwalk site, any portion of trees felled from the buffer that land in the wetland shall be removed from the wetland.
- For all trees removed on trail site, those that occur at or below buffer, fall into buffer and leave. Relocate any portions of the tree which conflict with proposed landscape elements.
- For all trees removed on trail site, those that occur at or below buffer, fall into buffer and leave. Relocate any portions of the tree which conflict with proposed landscape elements.
- For all trees removed in trail and boardwalk areas, any portion of trees felled from the buffer that land in the wetland shall be removed from the wetland.
- For all trees removed, jagged, bayonet-style cuts preferred to flat cuts for felled trees that will be left in the buffer (as snags). Bayonet-style cuts mimic a naturally broken trunk and benefit habitat conditions.
- For all trees removed, confirm with landscape architect. Confirm removal/treatment status, falling/removal status and treatment.
NOTES:
1. REMOVE ALL SURFACE FEATURES, PAVEMENTS, AND ABANDON ALL UTILITY INFRASTRUCTURE OUTSIDE THE LIMITS OF CLEARING UNLESS OTHERWISE NOTED.
2. PROTECT ALL SURFACE FEATURES, PAVEMENTS, AND UTILITIES IN PLACE OUTSIDE THE LIMITS OF CLEARING UNLESS OTHERWISE NOTED.
3. PROTECTION OR REMOVAL OF VEGETATION NOT SHOWN ON THESE PLANS REFER TO LANDSCAPE PLANS ETOL, ETOR, AND ETMT.
4. COORDINATE WITH UTILITY PROVIDERS TO DEMOLISH UTILITY SERVICES TO THE EXISTING BUILDING.
5. REFER TO SEPARATE EFFIC PLANS FOR EROSION AND SEDIMENT CONTROL MEASURES TO BE IMPLEMENTED DURING CONSTRUCTION. THESE PLANS WERE TRANSFERRED TO THE CONTRACTOR.
6. WHILE CONSTRUCTING THE EASTERN PORTION OF THE NEW BOARDWALK, THE CROSS ARM/POWER CORRIDOR CLOSURE MAY BE PARTIALLY CLOSED FOR CONSTRUCTION ACCESS. CLOSURES SHALL NOT EXCEED NO MORE THAN 12 HOURS IN TOTAL IN THE CONSTRUCTION PERIOD AND CLOSURES OF 12 HOURS PER DAY WILL NOT OCCUR MORE THAN 7 DAYS PER WEEK. PROVIDE ADVANCE NOTICE PRIOR TO ANY CLOSING, AND SIGNALIZING SHALL BE LOCATED ACROSS THE ROAD AT TOTEM LAKE BOULEVARD AND 158TH LANE NE. PROVIDE MARKED MOBILITY ACCESS ON THE SIDE OF THE ROAD AT ALL OTHER TIMES.

SITE PREPARATION PLAN - BOARDWALK

1' = 20'
**DEMOLITION NOTES:**

- The existing structure known as the "Yuppie Pawn Shop" is to be demolished in conjunction with the adjacent site work. The building is an approximately 6,660 sf, wood framed structure that previously served as a restaurant and retail space.
- There are no record drawings for the building other than the plan shown. Refer to photos for the building volume and height.
- Refer to Specification Section 04 41 30 - Demolition for additional requirements.
- Refer to Section 04 41 16 - Construction Waste Management for salvage and recycling requirements.
- Refer to Section 06 18 04 - Minor Demolition Notes for additional requirements.
- Protect any vegetation and site features scheduled to remain.
- Abandon all building utilities. This includes, but is not limited to power, data, and water service. Coordinate with the appropriate utility companies as necessary.
- The building is assumed to be supported on grade beams with steel at perimeter and column lines. Grade beams and slabs supported with 12" Ø creosote timber piles spaced at approximately 15'-20' O.C., assume 15'-20' deep.
- Refer to report from associated earth sciences and civil engineers for full removal.
- Refer to hazardous materials report.
- The contractor shall be responsible for verifying the existing building conditions prior to providing a bid.
NOTES:

1. REMOVE TREES AS INDICATED ON TREE REMOVAL PLAN. PROJECT IN PLACE ALL OTHER TREES NOT INDICATED TO BE REMOVED.

2. A DRAFT SWAPP WAS PREPARED; CONTRACTOR SHALL MODIFY THE SWAPP AND THE EDC PLAN AS NEEDED TO REFILE THE CONSTRUCTION ENGINEERING STANDARDS METHODS. CESC SWAPP WILLL BE TRANSFERRED TO THE CONTRACTOR.

3. PROVIDE FINAL SWAPP CONSTRUCTION EROSION AND SEDIMENTATION CONTROL, LEAD, COVER MEASURES, RUNOFF TREATMENT, AND ALL OTHER MEASURES AS NECESSARY TO MEET CONSTRUCTION GENERAL PERMIT AND CITY OF KIRKLAND POLICY 50 REQUIREMENTS.

4. THE EDC MEASURES SHOWN ON THIS PLAN AND DESCRIBED IN THE PROJECT SPECIFICATIONS ARE MINIMUM REQUIREMENTS FOR ANTI-PREDATION SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, UPGRADE THESE MEASURES AS NEEDED TO COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL DREDGED AND REDEPOSITION CONSTRUCTION REGULATIONS.

5. IF TEMPORARY SOCKS ARE REQUIRED, CONTRACTOR SHALL DESIGN TEMPORARY SOCKS PER APPLICABLE CODES AND STANDARDS, INCLUDING BUT NOT LIMITED TO WASHINGTON ADMINISTRATIVE CODES SAFETY STANDARDS FOR CONSTRUCTION WORK.

6. HIGH WORKING FENCE SHALL BE PER WSDOT STANDARD PLAN #60700

7. SILT FENCE SHALL BE PER WSDOT STANDARD PLAN #320, #250

8. COMPOST SOCKS SHALL BE PER WSDOT STANDARD PLAN #60700.

9. PROVIDE DREDGED CONTROL MEASURES FOR ALL DREDGED AREAS INCLUDING STAGING, ACCESS, AND PARKING AREAS BEYOND THE LIMITS SHOWN ON THIS PLAN.

10. PLACE SITUS BASIN AS SHOWN IN NATURAL STREAM RACK IN TOTEM LAKE WAY.

11. REFER TO SHEET C110 FOR A DESCRIPTION OF ALLOWABLE IMPACTS.

12. SLOPES STEEPER THAN 4:1 (HORIZONTAL:VERTICAL), INCLUDING SLOPES BELOW THE WATER STORAGE AREA IN THE BIFURCATION CREEK, SHALL BE STABILIZED PER SLOPE STABILIZATION DETAILS ON SHEET C110.
**Western Bioretention Section**

**Eastern Bioretention Section**
NOTES:
1. DIAGNOSTIC SHIP LAYOUT (ANGLE, SPACING, ETC.) PER WSDOT STANDARD PLAN M 17.10-02.
2. MANUFACTURED WHEEL STOP SHALL BE PRECAST REINFORCED CONCRETE, 8" HIGH AND AT LEAST 2" LONG AND SECURED IN A MINIMUM OF 2 LOCATIONS WITH #4 REBAR WITH 12" MIN. END/METAL.
3. TOP OF CURB ELEVATION IS 5.50' ABOVE BOTTOM OF CURB GRADE, UNLESS NOTED OTHERWISE.

PARKING LOT ENLARGED PLAN

GRADING & PAVING ENLARGED PLAN
LOT B
LLA LL-99-100
AF NO. 20000921000214

LOT 2 LLA
LL-85-42 AF NO. 8505021044

START POINT: WOOD FENCE

SITE PLAN - TRAIL

SHEET NUMBER:

REVISIONS:

DRAWN/CHECKED:

SET TYPE:

SET ISSUE DATE:

SHEET NAME:

∆

Berger Partnership Project Number:

Plotted:

Filename:

1927 Post Alley, Ste. 2
Seattle, WA 98101
206 325 6877
bergerpartnership.com

12/3/2019 11:54:51 AM G:\Everyone\Christine Abbott\Revit Local\Totem Lake Park-PH1_christinea@bergerpartnership.com.rvt

L102

Totem Lake Park Phase 1
City of Kirkland
12031 Totem Lake Way, Kirkland, WA 98034

Bid Set
09/13/2019

SITE PLAN - TRAIL

1" = 20'-0"

SCALE: 1"=20'

NORTH

DESCRIPTION DATE

ALIGNMENT SCHEDULE

Name Alignment Description

1. REFER TO LANDSCAPE PLANS FOR ALL WALL ELEVATION INFORMATION, INCLUDING TW ELEVATIONS.
2. REFER TO CIVIL DRAWINGS FOR ALL PAVING ELEVATION INFORMATION.

SITE GRADING NOTES:

- PROVIDE WOOD GATE TO MATCH WOOD FENCE. GATE SHALL HAVE 3'-6" CLR. OPENING.
- PROVIDE WOOD FENCE ALONG PROPOSED TRAIL.

PROVIDE WOOD FENCE ALONG PROPOSED TRAIL.

ASPHALT PAVING (REFER TO CIVIL)

ROCKERY WALL BACKFILL MATERIAL @ CUT SLOPE, TYP. REFER TO ROCKERY RETAINING WALL DETAIL.

MATCHLINE, REFER TO /

MATCHLINE, REFER TO /
NOTES:
1. APPROXIMATE FINISH GRADE @ FACE OF WALL SHOWN. REFER TO CIVIL FOR GRADING.
2. PLANTS EXPOSED FACE OF WALL W/ SYMPHORICARPOS ALBUS & CORNUS SERICEA LIVESTAKES @
   2'-0" O.C. TRIANGULAR SPACING. DO NOT DAMAGE GEOGRID DURING PLANTING.
3. QUANTITIES OF LIVESTAKES SHALL BE EQ. PROPORTION OF EA. SPECIES.
4. LIVESTAKE LAYOUT SHALL BE RANDOMIZED, EXCEPT FOR ON THE UPPER 18" OF THE WALL -
   NO CORNUS SERICEA SHALL BE USED ON THE UPPER 18". INSTALL SYMPHORICARPOS ALBUS
   LIVESTAKES ONLY ON TOP OF WALL.
5. SYMPHORICARPOS ALBUS LIVESTAKES SHALL BE 1/2" DIA. x 3' LENGTH AND SHALL BE EMBEDED 18"
   INTO THE WALL.
6. CORNUS SERICEA LIVESTAKES SHALL BE 3/4" DIA. x 4' LENGTH AND SHALL BE EMBEDED 24" INTO
   THE WALL.
7. LIVESTAKES SHALL BE HARVESTED AND PLANTED WITHIN TWO WEEKS OF HARVEST/CUTTING AND
   SHALL BE STORED IN SHADED, COOL, MOIST CONDITIONS BEFORE PLANTING.
8. LIVESTAKES SHALL BE INSTALLED BETWEEN OCTOBER 15TH AND MARCH 15TH.
9. HYDROSEED EXPOSED FACE OF WALL W/ NATIVE SEED MIX (REFER TO SPECS).

NOTE: SEATS AND TABLES SHALL BE INSTALLED PARALLEL TO THE FINISH GRADE

VEGETATED RETAINING WALL

PICNIC ELEVATION
NOTE:
REFER TO SPECIFICATION APPENDICES FOR PLAY AREA SURFACING, EQUIPMENT, AND INSTALLATION DETAILS.
FINISH NOTES

<table>
<thead>
<tr>
<th>Note</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>LIGHT BROOM FINISH PERPENDICULAR TO DIRECTION OF TRAVEL</td>
</tr>
</tbody>
</table>

Light Broom Finish Perpendicular to Direction of Travel

Note:

LIGHT BROOM FINISH PERPENDICULAR TO DIRECTION OF TRAVEL

Finish Notes

Sheet Number:

Revision:

Drawn/Checked:

Set Type:

Set Issue Date:

Sheet Name:

1/19/2019 4:34:12 PM G:\Everyone\Christine Abbott\Revit Local\Totem Lake Park-PH1_christinea@bergerpartnership.com.rvt

L403

Totem Lake Park Phase 1
City of Kirkland
0331 Totem Lake Way, Kirkland, WA 98034

Bid Set
09/13/2019
PAVING JOINTING & PATTERN DETAIL PLAN

20154875.02
MM/AM

000000
000000
20'
40'

SCALE: 1"=20'-0"
NOTES:
1. MINIMUM SLOPE IN DIRECTION OF TRAVEL SHALL BE 1/4" TO 1/2".
2. MINIMUM FACE WIDTH BARELY TOUCHES CENTERLINE OF TRAVEL.
3. VERTICALLY CENTERED IN CONCRETE BASE.
4. VERTICALLY CENTERED IN CONCRETE BASE.
5. FLUSH WITH ALL ADJACENT PAVING SURFACES.
6. FLUSH WITH ALL ADJACENT PAVING SURFACES.
7. FLUSH WITH ALL ADJACENT PAVING SURFACES.
8. FLUSH WITH ALL ADJACENT PAVING SURFACES.
9. FLUSH WITH ALL ADJACENT PAVING SURFACES.
10. FLUSH WITH ALL ADJACENT PAVING SURFACES.

CONCRETE PAVING

CONCRETE PAVING THICKENED EDGE

CONCRETE PAVING EDGE CONDITION

CONCRETE PAVING ABOVE LIGHT POST

CONCRETE PAVING CONSTRUCTION

PAVING TRANSITIONS - ON STRUCTURE

PAVING ON STRUCTURE

PAVING TRANSITIONS - ON STRUCTURE

TRANSITION TO CONCRETE PAVING

CONCRETE PAVING ON STRUCTURE

CONCRETE PAVING THICKENED EDGE

CONCRETE PAVING EDGE CONDITION

CONCRETE PAVING ABOVE LIGHT POST

CONCRETE PAVING CONSTRUCTION

PAVING TRANSITIONS - ON STRUCTURE

PAVING ON STRUCTURE

PAVING TRANSITIONS - ON STRUCTURE

TRANSITION TO CONCRETE PAVING

CONCRETE PAVING ON STRUCTURE

CONCRETE PAVING THICKENED EDGE

CONCRETE PAVING EDGE CONDITION

CONCRETE PAVING ABOVE LIGHT POST

CONCRETE PAVING CONSTRUCTION

PAVING TRANSITIONS - ON STRUCTURE

PAVING ON STRUCTURE

PAVING TRANSITIONS - ON STRUCTURE

TRANSITION TO CONCRETE PAVING

CONCRETE PAVING ON STRUCTURE

CONCRETE PAVING THICKENED EDGE

CONCRETE PAVING EDGE CONDITION

CONCRETE PAVING ABOVE LIGHT POST

CONCRETE PAVING CONSTRUCTION

PAVING TRANSITIONS - ON STRUCTURE

PAVING ON STRUCTURE

PAVING TRANSITIONS - ON STRUCTURE

TRANSITION TO CONCRETE PAVING

CONCRETE PAVING ON STRUCTURE

CONCRETE PAVING THICKENED EDGE

CONCRETE PAVING EDGE CONDITION

CONCRETE PAVING ABOVE LIGHT POST

CONCRETE PAVING CONSTRUCTION

PAVING TRANSITIONS - ON STRUCTURE

PAVING ON STRUCTURE

PAVING TRANSITIONS - ON STRUCTURE

TRANSITION TO CONCRETE PAVING

CONCRETE PAVING ON STRUCTURE

CONCRETE PAVING THICKENED EDGE

CONCRETE PAVING EDGE CONDITION

CONCRETE PAVING ABOVE LIGHT POST

CONCRETE PAVING CONSTRUCTION

PAVING TRANSITIONS - ON STRUCTURE

PAVING ON STRUCTURE

PAVING TRANSITIONS - ON STRUCTURE

TRANSITION TO CONCRETE PAVING

CONCRETE PAVING ON STRUCTURE

CONCRETE PAVING THICKENED EDGE

CONCRETE PAVING EDGE CONDITION

CONCRETE PAVING ABOVE LIGHT POST

CONCRETE PAVING CONSTRUCTION

PAVING TRANSITIONS - ON STRUCTURE

PAVING ON STRUCTURE

PAVING TRANSITIONS - ON STRUCTURE

TRANSITION TO CONCRETE PAVING

CONCRETE PAVING ON STRUCTURE

CONCRETE PAVING THICKENED EDGE

CONCRETE PAVING EDGE CONDITION

CONCRETE PAVING ABOVE LIGHT POST

CONCRETE PAVING CONSTRUCTION

PAVING TRANSITIONS - ON STRUCTURE

PAVING ON STRUCTURE

PAVING TRANSITIONS - ON STRUCTURE

TRANSITION TO CONCRETE PAVING

CONCRETE PAVING ON STRUCTURE

CONCRETE PAVING THICKENED EDGE

CONCRETE PAVING EDGE CONDITION

CONCRETE PAVING ABOVE LIGHT POST

CONCRETE PAVING CONSTRUCTION

PAVING TRANSITIONS - ON STRUCTURE

PAVING ON STRUCTURE

PAVING TRANSITIONS - ON STRUCTURE

TRANSITION TO CONCRETE PAVING

CONCRETE PAVING ON STRUCTURE

CONCRETE PAVING THICKENED EDGE

CONCRETE PAVING EDGE CONDITION

CONCRETE PAVING ABOVE LIGHT POST

CONCRETE PAVING CONSTRUCTION

PAVING TRANSITIONS - ON STRUCTURE

PAVING ON STRUCTURE

PAVING TRANSITIONS - ON STRUCTURE

TRANSITION TO CONCRETE PAVING

CONCRETE PAVING ON STRUCTURE

CONCRETE PAVING THICKENED EDGE

CONCRETE PAVING EDGE CONDITION

CONCRETE PAVING ABOVE LIGHT POST

CONCRETE PAVING CONSTRUCTION

PAVING TRANSITIONS - ON STRUCTURE

PAVING ON STRUCTURE

PAVING TRANSITIONS - ON STRUCTURE

TRANSITION TO CONCRETE PAVING

CONCRETE PAVING ON STRUCTURE

CONCRETE PAVING THICKENED EDGE

CONCRETE PAVING EDGE CONDITION

CONCRETE PAVING ABOVE LIGHT POST

CONCRETE PAVING CONSTRUCTION

PAVING TRANSITIONS - ON STRUCTURE

PAVING ON STRUCTURE

PAVING TRANSITIONS - ON STRUCTURE

TRANSITION TO CONCRETE PAVING

CONCRETE PAVING ON STRUCTURE

CONCRETE PAVING THICKENED EDGE

CONCRETE PAVING EDGE CONDITION

CONCRETE PAVING ABOVE LIGHT POST

CONCRETE PAVING CONSTRUCTION

PAVING TRANSITIONS - ON STRUCTURE

PAVING ON STRUCTURE

PAVING TRANSITIONS - ON STRUCTURE

TRANSITION TO CONCRETE PAVING

CONCRETE PAVING ON STRUCTURE

CONCRETE PAVING THICKENED EDGE

CONCRETE PAVING EDGE CONDITION

CONCRETE PAVING ABOVE LIGHT POST

CONCRETE PAVING CONSTRUCTION

PAVING TRANSITIONS - ON STRUCTURE

PAVING ON STRUCTURE

PAVING TRANSITIONS - ON STRUCTURE

TRANSITION TO CONCRETE PAVING

CONCRETE PAVING ON STRUCTURE

CONCRETE PAVING THICKENED EDGE

CONCRETE PAVING EDGE CONDITION

CONCRETE PAVING ABOVE LIGHT POST

CONCRETE PAVING CONSTRUCTION

PAVING TRANSITIONS - ON STRUCTURE

PAVING ON STRUCTURE

PAVING TRANSITIONS - ON STRUCTURE

TRANSITION TO CONCRETE PAVING

CONCRETE PAVING ON STRUCTURE

CONCRETE PAVING THICKENED EDGE

CONCRETE PAVING EDGE CONDITION

CONCRETE PAVING ABOVE LIGHT POST

CONCRETE PAVING CONSTRUCTION

PAVING TRANSITIONS - ON STRUCTURE

PAVING ON STRUCTURE

PAVING TRANSITIONS - ON STRUCTURE

TRANSITION TO CONCRETE PAVING

CONCRETE PAVING ON STRUCTURE

CONCRETE PAVING THICKENED EDGE

CONCRETE PAVING EDGE CONDITION

CONCRETE PAVING ABOVE LIGHT POST

CONCRETE PAVING CONSTRUCTION

PAVING TRANSITIONS - ON STRUCTURE

PAVING ON STRUCTURE

PAVING TRANSITIONS - ON STRUCTURE

TRANSITION TO CONCRETE PAVING

CONCRETE PAVING ON STRUCTURE

CONCRETE PAVING THICKENED EDGE

CONCRETE PAVING EDGE CONDITION

CONCRETE PAVING ABOVE LIGHT POST

CONCRETE PAVING CONSTRUCTION

PAVING TRANSITIONS - ON STRUCTURE

PAVING ON STRUCTURE

PAVING TRANSITIONS - ON STRUCTURE

TRANSITION TO CONCRETE PAVING

CONCRETE PAVING ON STRUCTURE

CONCRETE PAVING THICKENED EDGE

CONCRETE PAVING EDGE CONDITION

CONCRETE PAVING ABOVE LIGHT POST

CONCRETE PAVING CONSTRUCTION

PAVING TRANSITIONS - ON STRUCTURE

PAVING ON STRUCTURE

PAVING TRANSITIONS - ON STRUCTURE

TRANSITION TO CONCRETE PAVING

CONCRETE PAVING ON STRUCTURE

CONCRETE PAVING THICKENED EDGE

CONCRETE PAVING EDGE CONDITION

CONCRETE PAVING ABOVE LIGHT POST

CONCRETE PAVING CONSTRUCTION

PAVING TRANSITIONS - ON STRUCTURE

PAVING ON STRUCTURE

PAVING TRANSITIONS - ON STRUCTURE

TRANSITION TO CONCRETE PAVING

CONCRETE PAVING ON STRUCTURE

CONCRETE PAVING THICKENED EDGE

CONCRETE PAVING EDGE CONDITION

CONCRETE PAVING ABOVE LIGHT POST

CONCRETE PAVING CONSTRUCTION

PAVING TRANSITIONS - ON STRUCTURE

PAVING ON STRUCTURE

PAVING TRANSITIONS - ON STRUCTURE

TRANSITION TO CONCRETE PAVING

CONCRETE PAVING ON STRUCTURE

CONCRETE PAVING THICKENED EDGE

CONCRETE PAVING EDGE CONDITION

CONCRETE PAVING ABOVE LIGHT POST

CONCRETE PAVING CONSTRUCTION

PAVING TRANSITIONS - ON STRUCTURE

PAVING ON STRUCTURE

PAVING TRANSITIONS - ON STRUCTURE

TRANSITION TO CONCRETE PAVING

CONCRETE PAVING ON STRUCTURE

CONCRETE PAVING THICKENED EDGE

CONCRETE PAVING EDGE CONDITION

CONCRETE PAVING ABOVE LIGHT POST

CONCRETE PAVING CONSTRUCTION

PAVING TRANSITIONS - ON STRUCTURE

PAVING ON STRUCTURE

PAVING TRANSITIONS - ON STRUCTURE

TRANSITION TO CONCRETE PAVING
1.5" STD. SSTL. PIPE

1"
6"
R
1/2"
REFER TO STRUCT.
REINFORCING

CORE DRILL 2.5" DIA. HOLE
AND EMBED POST 4" DEPTH
INTO CONCRETE. FILL GAPS
W/ NON-SHRINK EPOXY
GROUT COLOR MATCHED TO
CONCRETE, TYP.
C.I.P. CONC. STAIR W/ PILE
SUPPORT (REFER TO STRUCT.)

NOTE:
PROVIDE (1) HANDRAIL AT THIS
STAIR LOCATION. HANDRAIL
SHALL BE LOCATED ALONG
STAIR CENTERLINE.

POST: 4X4 (ACTUAL 3.5" X 3.5") @ 16"
O.C. PRESSURE-
TREATED WOOD,
SELECT STRUCTURAL

BALUSTER: 2X4 (ACTUAL 1.5" X 3.5") @
16" O.C., ANGLED EDGE AT BOTTOM;
PRESSURE-
TREATED WOOD, SELECT
STRUCTURAL

INSIDE RAILS: 2X6
(ACTUAL 1.5" X 5.5"),
PRESSURE-
TREATED WOOD, SELECT
STRUCTURAL

BLACK VINYL-
COATED CHAINLINK MESH
1/2" DIA. GALV. CARRIAGE BOLT,
LENGTH AS SHOWN"
### Design Parameters

<table>
<thead>
<tr>
<th>Section</th>
<th>'h' &gt;3'-0&quot;</th>
<th>'h' &lt;3'-0&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLOOR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WALL STONE</td>
<td>(REFER TO SPREAD)</td>
<td></td>
</tr>
<tr>
<td>UNDERGROUND</td>
<td>(REFER TO SPREAD)</td>
<td></td>
</tr>
<tr>
<td>KEYWAY</td>
<td>(REFER TO SPREAD)</td>
<td></td>
</tr>
<tr>
<td>FLOOR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WALL STONE</td>
<td>(REFER TO SPREAD)</td>
<td></td>
</tr>
<tr>
<td>UNDERGROUND</td>
<td>(REFER TO SPREAD)</td>
<td></td>
</tr>
<tr>
<td>KEYWAY</td>
<td>(REFER TO SPREAD)</td>
<td></td>
</tr>
</tbody>
</table>

### Rockery Retaining Wall

- **Design Parameters**
  - **Section 'h' >3'-0"**
  - **Section 'h' <3'-0"**

### Rock Sizes

<table>
<thead>
<tr>
<th>Size</th>
<th>APPROX. WEIGHT</th>
<th>APPROX. VOLUME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot;</td>
<td>1-200 LBS.</td>
<td></td>
</tr>
<tr>
<td>2&quot;</td>
<td>2-500 LBS.</td>
<td></td>
</tr>
<tr>
<td>3&quot;</td>
<td>3-800 LBS.</td>
<td></td>
</tr>
<tr>
<td>4&quot;</td>
<td>4-1200 LBS.</td>
<td></td>
</tr>
<tr>
<td>5&quot;</td>
<td>5-2000 LBS.</td>
<td></td>
</tr>
</tbody>
</table>

### Keyway

- **Max Slope of Surcharged Material**
  - 14.00°

### Elevation

- **206 325 6877**
- **bergerpartnership.com**

### Notes

- **Underground Geotextile**
- **2" to 4" Quarry Spalls**
- **Cut or Filled Slope**
  - To Match Batter
- **Undisturbed Soil or 95% Compacted Fill**
  - Cut or Filled Slope
  - (Refer to specs)
- **Exposed Face**
  - Existing or Proposed Grade
- **Rockery Facing Height (h)**
  - Undisturbed Soil or Bearing Pressure of 2,000 PSF
- **Cleanout Locations**
- **6" Underdrain Pipe** (Refer to Civil for Outfall and Existing or Proposed Grade)
- **NOTE: OMIT PERF PIPE**

### Terminal Post

- **2" x 4" Wood**
- **4" x 4" Wood**
- **Cedar Post Cap**
- **2" x 4" Wood**

### Chain Link Fence

- **Wood Fence**
- **Round Rail Fence**

### Chain Link Fencing

- **Tower or Intermediate Post: 2 - 3/8" NOM. (2.375" O.D.)**
- **Terminal Post: 2 - 7/8" NOM. (1.90" O.D.)**
- **Top Rail: 1 1/2" OD. (3.875" O.D.)**
- **Bottom Rail Cap**
- **Wood Fencing**
- **Support Post**
FENCE @ SOUTH SIDE OF TRAIL NOTES:
1. WHERE WALL HEIGHT IS LESS THAN 2' - 6" USE WOOD RAIL FENCE AS SHOWN.
2. WHERE WALL HEIGHT IS GREATER THAN OR EQUAL TO 2' - 6" USE CHAIN LINK FENCE (REFER TO DETAIL)

CONTINUOUS GEOTEXTILE W/ MIN. 6" OVERLAPS

CUT HOLE IN GEOTEXTILE TO ACCOMMODATE FENCE FOOTING

LD104

ASPHALT PAVING (REFER TO CIVIL)
OVERLOOK GUARDRAIL PANEL: PRECUT Corten STEEL PANEL. TYPICAL PANEL AREA = 14.58 SF (NOM. 15 SF)

- 1/2" THICK Corten STEEL PANEL
- 1 1/2" THICK Corten STEEL BASE PLATE
- 1/2" DIA. A325 GALV. BOLT
- 3/8" DIA. SSTL BOLT & SSTL 1/8" WASHERS

OVERLOOK DETAILS

1. OVERLOOK GUARDRAIL W/ POST

2. OVERLOOK GUARDRAIL @ CORNERS

OVERLOOK RAILING PANEL: PRECUT Corten STEEL PANEL. TYPICAL PANEL AREA = 14.58 SF (NOM. 15 SF)

- 1/2" THICK Corten STEEL PANEL
- 1/2" DIA. EPOXY BOLT. 4" EMBED DEPTH.
- 3/8" DIA. SSTL BOLT & SSTL 1/8" WASHERS

- 1 1/2" = 1'-0"

- 1 1/2" = 1'-0"

- 3' - 11"

- 3' - 11"

- 3' - 6"

- 3' - 6"

- 1/4"

- 1/4"

- 1/2"

- 1/2"

- 2"

- 2"

- 1' - 2 1/2"

- 1' - 2 1/2"

- 1' - 2"

- 1' - 2"

- 5 1/2"
6" DIA PERFORATED PVC PIPE WITH 6" COVER WITH 2" BEDDING OF 1" WASHED ROCK AND MIN 1% SLOPE TO APPROVED OUTLET

FALL PROTECTION. REFER TO LANDSCAPE PLANS / DETAILS

LD104
LD106
LD106

1927 Post Alley, Ste. 2
Seattle, WA 98101
206 325 6877
bergerpartnership.com

9/12/2019 11:05:54 AM G:\Everyone\Christine Abbott\Revit Local\Totem Lake Park-PH1_christinea@bergerpartnership.com.rvt

LD107

Totem Lake Park Phase 1
City of Kirkland
12031 Totem Lake Way, Kirkland, WA 98034

Bid Set
09/13/2019

GEOTECHNICAL WALL DETAIL

GREENLOX MSE WALL
TOTEM LAKE PARK
KIRKLAND, WASHINGTON

DESCRIPTION

VEGETATED RETAINING WALL DETAIL

NOTE: DIMENSIONS AND TOLERANCES SHOWN FOR DIMENSIONAL PURPOSES ONLY. ACTUAL DIMENSIONS TO BE DETERMINED AT JOB SITE.
SSTL MESH SYSTEM REQUIREMENTS

1. All mesh shall be fabricated and installed to accommodate expansion and contraction of metal components without causing undue stress, buckling, opening, joints, and distortion.
2. All wire rope/cable shall be plumb.
3. Top rails and pipes shall be parallel to Boardwalk finish grade.
4. All members, fasteners, and attachment hardware shall be galvanized steel unless noted otherwise.
5. Splices/joints for top and bottom pipes shall be spaced at minimum 10’ O.C.
6. Precut metal panels at overlook guardrail shall be powder coated per standard color chart. Precut metal panels at overlook guardrail shall be corrugated.
7. Sculpture art connection brackets shall be installed plumb.
GENERAL STRUCTURAL NOTES

THE FOLLOWING APPLY UNLESS SHOWN OTHERWISE ON THE DRAWINGS


2. GENERAL NOTES
   a. All structural members shall be constructed using materials meeting current building codes and standards.
   b. All connections shall be designed to accommodate anticipated loads and environmental conditions.
   c. All materials shall be properly identified and marked for quality assurance.

3. STRUCTURAL DRAWINGS SHOWING CONTINUOUS STEEL CONNECTIONS SUCH AS COLUMNS, BEAMS, AND SLABS SHALL BE CONSISTENT WITH THE STRUCTURAL DETAILS SHOWN ON THE DRAWINGS.

4. FABRICATION DRAWINGS AND SHOP DRAWINGS FOR STRUCTURAL STEEL AND CONCRETE ANCHORAGE shall be completed to the requirements of the purchase orders and specifications for the project. All items shall be numbered and identified for easy identification.

5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL QUALITY ASSURANCE AND TESTING. QUALITY ASSURANCE FOR THE CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT. THE CONTRACTOR SHALL ENSURE THAT THE ITEMS SHOWN ON THE DRAWINGS ARE CORRECTLY AND ACCURATELY CONSTRUCTED.

6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL QUALITY ASSURANCE AND TESTING. QUALITY ASSURANCE FOR THE CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT. THE CONTRACTOR SHALL ENSURE THAT THE ITEMS SHOWN ON THE DRAWINGS ARE CORRECTLY AND ACCURATELY CONSTRUCTED.

7. STRUCTURAL Steel shall be fabricated in accordance with the shop drawings. All connections shall be in accordance with the shop drawings.

8. CONCRETE SLABS shall be cast in accordance with the shop drawings. All concrete shall be in accordance with the shop drawings.

9. CONCRETE ANCHORAGE shall be installed in accordance with the shop drawings. All concrete anchors shall be in accordance with the shop drawings.

10. CONCRETE ANCHORAGE shall be installed in accordance with the shop drawings. All concrete anchors shall be in accordance with the shop drawings.

11. CONCRETE ANCHORAGE shall be installed in accordance with the shop drawings. All concrete anchors shall be in accordance with the shop drawings.

12. CONCRETE ANCHORAGE shall be installed in accordance with the shop drawings. All concrete anchors shall be in accordance with the shop drawings.

13. CONCRETE ANCHORAGE shall be installed in accordance with the shop drawings. All concrete anchors shall be in accordance with the shop drawings.

14. CONCRETE ANCHORAGE shall be installed in accordance with the shop drawings. All concrete anchors shall be in accordance with the shop drawings.

15. CONCRETE ANCHORAGE shall be installed in accordance with the shop drawings. All concrete anchors shall be in accordance with the shop drawings.

16. CONCRETE ANCHORAGE shall be installed in accordance with the shop drawings. All concrete anchors shall be in accordance with the shop drawings.

17. CONCRETE ANCHORAGE shall be installed in accordance with the shop drawings. All concrete anchors shall be in accordance with the shop drawings.

18. CONCRETE ANCHORAGE shall be installed in accordance with the shop drawings. All concrete anchors shall be in accordance with the shop drawings.

19. CONCRETE ANCHORAGE shall be installed in accordance with the shop drawings. All concrete anchors shall be in accordance with the shop drawings.

20. CONCRETE ANCHORAGE shall be installed in accordance with the shop drawings. All concrete anchors shall be in accordance with the shop drawings.

21. CONCRETE ANCHORAGE shall be installed in accordance with the shop drawings. All concrete anchors shall be in accordance with the shop drawings.

22. CONCRETE ANCHORAGE shall be installed in accordance with the shop drawings. All concrete anchors shall be in accordance with the shop drawings.

23. CONCRETE ANCHORAGE shall be installed in accordance with the shop drawings. All concrete anchors shall be in accordance with the shop drawings.

24. CONCRETE ANCHORAGE shall be installed in accordance with the shop drawings. All concrete anchors shall be in accordance with the shop drawings.

25. CONCRETE ANCHORAGE shall be installed in accordance with the shop drawings. All concrete anchors shall be in accordance with the shop drawings.

26. CONCRETE ANCHORAGE shall be installed in accordance with the shop drawings. All concrete anchors shall be in accordance with the shop drawings.

27. CONCRETE ANCHORAGE shall be installed in accordance with the shop drawings. All concrete anchors shall be in accordance with the shop drawings.

28. CONCRETE ANCHORAGE shall be installed in accordance with the shop drawings. All concrete anchors shall be in accordance with the shop drawings.

29. CONCRETE ANCHORAGE shall be installed in accordance with the shop drawings. All concrete anchors shall be in accordance with the shop drawings.

30. CONCRETE ANCHORAGE shall be installed in accordance with the shop drawings. All concrete anchors shall be in accordance with the shop drawings.
**WOOD**

- **General Structural Notes**

<table>
<thead>
<tr>
<th>Description</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>All wood in contact with concrete or masonry shall be pressure treated with a minimum of 200 pounds per cubic foot of concrete or masonry.</td>
<td></td>
</tr>
<tr>
<td>Preservative treated wood shall be treated on all exposed surfaces to the concrete or masonry. Treatment shall be performed in accordance with the manufacturer's instructions.</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**

- All wood in contact with concrete or masonry shall be treated with a minimum of 200 pounds per cubic foot of concrete or masonry. |
- Treatment shall be performed in accordance with the manufacturer's instructions. |
# Statement of Special Inspections

Special inspections shall be provided per the requirements of IBC section 1705 and as noted herein.

## Driven Deep Foundation Elements

<table>
<thead>
<tr>
<th>Description</th>
<th>Required</th>
<th>Performed</th>
<th>Applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pole-Inserted Shuttered Sheet Pile Reinforcement</td>
<td>X</td>
<td></td>
<td>IBC 1609.5</td>
</tr>
<tr>
<td>Pole-Inserted Shuttered Sheet Pile Reinforcement</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Structural Steel

<table>
<thead>
<tr>
<th>Description</th>
<th>Required</th>
<th>Performed</th>
<th>Applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anticipated Weight of Steel</td>
<td>X</td>
<td></td>
<td>IBC 1606.2</td>
</tr>
<tr>
<td>Anticipated Weight of Steel</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Concrete and Concrete Reinforcing

<table>
<thead>
<tr>
<th>Description</th>
<th>Required</th>
<th>Performed</th>
<th>Applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location of Reinforcement</td>
<td>X</td>
<td></td>
<td>IBC 1611.7</td>
</tr>
<tr>
<td>Location of Reinforcement</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Location of Reinforcement</td>
<td>X</td>
<td></td>
<td>IBC 1611.7</td>
</tr>
<tr>
<td>Location of Reinforcement</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Notes

1. Testing and inspection reports shall be prepared for each foundation type as per the construction plan with reference to the approved construction documents. The reports shall be submitted to the City of Kirkland, Department of Development Services.

2. "Required" refers to the construction required by code and "Performed" refers to the inspections performed by the inspection service provider.
1 1/8" PLYWOOD STURD - 1 FLOOR (48" O.C. SPAN RATING) W/ 10d NAILS AT 6" O.C. ALONG EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS.
RESTROOM BUILDING DESCRIPTION

CONSTRUCT AN APPROXIMATELY 440 SF RESTROOM BUILDING FOR THE TOTEM LAKE PARK. THERE SHALL BE 3 INDIVIDUAL UNISEX RESTROOM, AND A UTILITY/JANITOR/SERVICE ROOM. THE CORE BUILDING IS CMU, WITH TRANSOM GLAZING WITH A LARGE OVERHANGING ROOF SUPPORTED BY STEEL COLUMNS. THE BUILDING IS HEATED.

TOTAL FLOOR AREA:
440 SF, 1- STORY (5,500 ALLOWABLE)

BUILDING OCCUPANCY:
U

CONSTRUCTION TYPE:
V-8

WSEC REQUIREMENTS:
- SUBMIT AIR BARRIER TEST REPORT TO JURISDICTION ONE TEST IS COMPLETE.
- TEST RESULTS EXCEED 0.40 CFM/FT² AT 0.3 IN. WG, THEN VISUALLY INSPECT AIR BARRIER AND SEAL NOTED SOURCES OF LEAKAGE.
- SUBMIT A FOLLOW-UP REPORT TO JURISDICTION NOTING CORRECTIVE MEASURES TAKEN.
- INCLUDE AIR BARRIER TEST REPORT IN COMPLIANCE DOCUMENTATION PROVIDED TO BUILDING OWNERS.
- PROJECT CLOSE-OUT DOCUMENTATION IS REQUIRED, INCLUDING APPROPRIATE WSEC ENVELOPE COMPLIANCE FORMS AND CALCULATIONS, AND FENESTRATION NFRC RATING CERTIFICATES.
GENERAL NOTES:
• This plan depicts the 6” height concrete walls. The intent is to create a uniform base at all the walls with a coved transition to the floor of wet areas for sanitary purposes.
• Slope all floors 1/4” per foot min. to floor drains.

CONCRETE SLAB/CURB PLAN
1/4" = 1'-0"
### ELECTRICAL ABBREVIATIONS

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CF</td>
<td>Comfort Feed</td>
</tr>
<tr>
<td>CT</td>
<td>Current Transformer</td>
</tr>
<tr>
<td>COW</td>
<td>Computer On Wheels</td>
</tr>
<tr>
<td>EMER</td>
<td>Emergency</td>
</tr>
<tr>
<td>ELEV</td>
<td>Elevation</td>
</tr>
<tr>
<td>EHD</td>
<td>Electric Hair Dryer</td>
</tr>
<tr>
<td>EA</td>
<td>Each</td>
</tr>
<tr>
<td>DED</td>
<td>Deducted</td>
</tr>
<tr>
<td>DX</td>
<td>Duplex</td>
</tr>
<tr>
<td>DW</td>
<td>Dishwasher</td>
</tr>
<tr>
<td>DISC</td>
<td>Distribution</td>
</tr>
<tr>
<td>DDC</td>
<td>Direct Digital Control</td>
</tr>
<tr>
<td>DCS</td>
<td>Door Control System</td>
</tr>
<tr>
<td>CTL</td>
<td>Control</td>
</tr>
<tr>
<td>CLG</td>
<td>Cleanup</td>
</tr>
<tr>
<td>CCM</td>
<td>Commercially Available</td>
</tr>
<tr>
<td>CMC</td>
<td>Commercial-Managed Cabling</td>
</tr>
<tr>
<td>COW</td>
<td>Computer On Wheels</td>
</tr>
<tr>
<td>CSO</td>
<td>Critical Service Overhead</td>
</tr>
<tr>
<td>CO</td>
<td>Conduit Only</td>
</tr>
<tr>
<td>CLK</td>
<td>Clock</td>
</tr>
<tr>
<td>CATV</td>
<td>Community Antenna Television</td>
</tr>
<tr>
<td>MB</td>
<td>Main Branch</td>
</tr>
<tr>
<td>H</td>
<td>Head</td>
</tr>
<tr>
<td>HN</td>
<td>Horizontal</td>
</tr>
<tr>
<td>HTP</td>
<td>High Temperature</td>
</tr>
<tr>
<td>HT</td>
<td>Heat</td>
</tr>
<tr>
<td>HWA</td>
<td>Heat Water</td>
</tr>
</tbody>
</table>

### ELECTRICAL SYMBOLS

#### LUMINARIES

- **Luminaries Type**: Various types are specified, including strip and exterior pole-mounted luminaires.
- **Location Types**: Descriptions for various locations such as above finished floor, directly under the item, etc.

#### SWITCHING DEVICES

- **Subscribed Devices**: Various types such as switches, breakers, and relays.
- **Location Description**: Descriptions for locations including emergency power systems equipped with emergency ballasts.

#### DACKEY & WIRING

- **Bus Bar**: Interconnection of bus bars for power distribution.
- **Outlet Function Box**: Outlets and function boxes are specified.

#### Demolition Subscriptions

- **Description**: Descriptions relating to demolition or removal of existing equipment.

---

**Sheet List**

- **Sheet Name**: Sheet List
- **Sheet Number**: 09/13/2019
- **Sheet Title**: Electrical Symbols List & Abbreviations
- **Date**: 09/13/19
- **Description**: Symbols and abbreviations used in the electrical plans.
### Exteral Lighting System

**Non-Tradable Maximum Allowed Lighting Wattage**

**Tradable Proposed Lighting Wattage**

<table>
<thead>
<tr>
<th>Surface</th>
<th>Fixture Description</th>
<th>Watts/ft</th>
<th>Perimeter (lf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grounds Walkways &gt;10' wide</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>11</td>
<td>173</td>
</tr>
</tbody>
</table>

**Non-Tradable Proposed Lighting Wattage**

- For proposed Fixture Description, indicate fixture type, lamp type, number of lamps in the fixture, and ballast type (if applicable).

**Tradable Maximum Allowed Lighting Wattage**

- **Interior Lighting**
  - LTG-INT-BLD
  - LTG-INT-SPACE
  - LTG-SUM

**Exterior Lighting**

- LTG-EXT

**Exterior Lighting System**

- LTG-EXT

**Exterior Lighting Controls**

- LTG-EXT

### Lighting Controls

**C405.2 thru C405.5 Commercial Lighting Controls and LPA**

- Residential High Efficacy Lighting. R404.1

**Additional Efficiency Package Option C406.4**

**C406.3 Reduced Interior Lighting Power**

**C406.3 for additional requirements.**

**Lighting Controls**

- Comply with LPAs for the new space types per Tables C405.4.2(1) or C405.4.2(2).

**Interior lighting Parking garage Exterior lighting**

- Parking garage, Exterior lighting **comply with WSEC Residential provisions in**

**New construction luminaires are replaced**

- **Lighting fixtures in a building addition may comply as a stand alone project, or they may be combined with the overall existing building**

**Fixtures under the soffit and sidewalks**

- New or moved panel -
- New wiring or circuit -
- Changing (C505) -

**C408.3 Lighting Controls**

- Lighting controls per C408.3.

**Commissioning**

- Per C406.4.

**Systems Simplified - Better Engineering**

- Systems Simplified - 
- Better Engineering - 

**Additional Information**

- Briefly describe interior lighting system type and features.

**Date**

- 9/5/2019

**Date**

- 12/31 Totem Lake Way, Kirkland, WA 98034
The following information is necessary to check a permit application for compliance with the lighting, motor, and electrical requirements in the Washington State Energy Code.

### ADDITIONAL EFFICIENCY PACKAGE OPTION - ENHANCED DIGITAL LIGHTING CONTROLS

Project Title: Totem Lake Park Phase 1

2015 Washington State Energy Code Compliance Forms for Commercial Buildings including R2, R3, R4 over 3 stories and all R1 Revised Nov 2017

<table>
<thead>
<tr>
<th>Code Section</th>
<th>Component</th>
<th>Compliance Information Required in Permit Documents</th>
<th>Location in Documents</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>C405.2.2</td>
<td>Method of automatic shut-off</td>
<td>Yes</td>
<td>Yes</td>
<td>NA</td>
</tr>
<tr>
<td>C405.2.4</td>
<td>Daylight responsive controls</td>
<td>NA</td>
<td>NA</td>
<td>C405.2.4.2</td>
</tr>
<tr>
<td>C405.2.5</td>
<td>Luminaire level lighting</td>
<td>NA</td>
<td>NA</td>
<td>C405.2.5</td>
</tr>
<tr>
<td>C405.2.6</td>
<td>Digital timer switch</td>
<td>NA</td>
<td>NA</td>
<td>C405.2.6</td>
</tr>
<tr>
<td>C405.2.7</td>
<td>Exterior lighting controls</td>
<td>NA</td>
<td>NA</td>
<td>C405.2.7</td>
</tr>
<tr>
<td>C405.5.1</td>
<td>Exterior building grounds</td>
<td>NA</td>
<td>NA</td>
<td>C405.5.1</td>
</tr>
</tbody>
</table>

#### 09/05/2019

- Include calculation of percent total installed interior lighting power that is configured with required enhanced lighting control functions (min 90% to comply with additional efficiency package option).
- Indicate on plans all interior fixtures provided with LLLC in lieu of C405.2 lighting controls.
- Indicate on plans lighting zone(s) served by daylight responsive controls.
- Indicate primary and secondary sidelight daylight zone areas on plans, include sq. ft.
- Indicate on plans that display and accent lighting, and display case lighting are controlled independently from both general area lighting and other lighting applications within the same space.
- Indicate method of manual lighting control and applicable automatic lighting control for all lighting zones.
- Indicate on plans the method of manual lighting control (whether combined with sensor controls or digital timer switch) for all lighting zones.
- Indicate on plans aisleways and open areas in warehouse spaces provided with occupancy sensor or digital timer switch.
- Indicate on plans the spaces served by occupancy sensors.
- Indicate on plans the spaces served by time switch control exception applies.
- Indicate on plans all fixtures provided with LLLC in lieu of C405.2 lighting controls.

This following checklist is intended to check out permit requirements for compliance with lighting, water, and electrical requirements in the Washington State Energy Code, Commercial Provisions.
## 2015 Washington State Energy Code Compliance Forms for Commercial Buildings including R2, R3, R4 over 3 stories and all R1 Revised Nov 2017

### Lighting, Motor, and Electrical Permit Checklist

**C405.9.3** Regenerative drive
- Indicate all one-way down or reversible escalators are provided with a variable speed drive system.

**C405.9.2** Escalators and moving walks
- Indicate escalators comply with ASME A17.1/CSA B44; automatic controls are provided to de-energize lighting and ventilation fans when elevator is not in service.

**C405.9.1** Elevator cabs
- Indicate that all electrical systems (receptacles, transformers, motors, vertical and horizontal common areas) are controlled and uncontrolled, duplex devices, etc; indicate lighting controls are provided (as applicable) - same as applicable for R1.

**C405.7** Dwelling unit electrical energy
- Include in general summary that a Cx project report or Compliance Checklist (Figure C503.6) shall be completed by the Certified Cx Professional and provided to the owner.

**C405.6** Electrical transformers
- Include electrical transformer schedule on electrical plans; indicate transformer size, design, installation, and manufacturer's rated watts per fixture; include exception claimed for each fixture or group of fixtures under space-by-space method.

**C103.6** Commissioning requirements
- Complete required compliance form – proposed wattage for exterior lighting plus base lighting power, please refer to Building Area Method or Space-By-Space Method listed above.

**C408.1.4.2** Lighting, Motor, and Electrical Permit Checklist
- Include in general summary that a Cx project report or Compliance Checklist (Figure C503.6) shall be completed by the Certified Cx Professional and provided to the owner.

**C503.6** Exterior lighting wiring
- Where < 50% of existing exterior lighting wattage is replaced; indicate total existing exterior lighting power and proposed exterior lighting power and include proposed lighting wattage does not exceed maximum allowed lighting wattage via Building Area Method or Space-By-Space Method.

**C503.6** Interior lighting wiring
- Where ≥ 50% of existing exterior lighting wattage is replaced; indicate total existing exterior lighting power and proposed exterior lighting power and include proposed lighting wattage does not exceed maximum allowed lighting wattage via Building Area Method or Space-By-Space Method.

**C503.6** Interior space reconfiguration
- Where ≥ 50% of existing exterior lighting wattage is replaced, existing-to-remain luminaires in LTG-EXT form and total existing exterior lighting power.

**C503.6** Exterior lighting wiring
- Where < 50% of existing exterior lighting wattage is replaced; indicate total existing exterior lighting power and proposed exterior lighting power and include proposed lighting wattage does not exceed maximum allowed lighting wattage via Building Area Method or Space-By-Space Method.

**C503.6** Lighting panel alterations
- Where new wiring is installed to serve new exterior luminaires and/or luminaires are changed from one type to another per Tables C405.4.2(1) or (2).

**C503.6** Interior space reconfiguration
- Where ≥ 50% of existing exterior lighting wattage is replaced, existing-to-remain luminaires in LTG-EXT form, indicate proposed total exterior lighting wattage does not exceed maximum allowed lighting wattage via Building Area Method or Space-By-Space Method.

**C503.6** Exterior lighting wiring
- Where > 50% of existing exterior luminaires in interior space(s) or parking garage are replaced; include in general summary that a Cx project report or Compliance Checklist (Figure C503.6) shall be completed by the Certified Cx Professional and provided to the owner.

**C503.6** Interior lighting wiring
- Where < 50% of existing exterior lighting wattage is replaced; indicate total existing exterior lighting power and proposed exterior lighting power.

**C503.6** Interior space reconfiguration
- Where ≥ 50% of existing exterior lighting wattage is replaced, indicate total existing exterior lighting power and proposed exterior lighting power.

**Commissioning requirements**
- Include narrative description of activities, responsibilities of the Cx team, schedule of activities including verification of project close out documentation per C103.6, and any other activities as applicable to the building.

**Lighting, Motor, and Electrical Permit Checklist**
- Include the following information in a narrative to support the compliance with the lighting, motor, and electrical requirements in the Washington State Energy Code:
  - LTG-INT-SPACE; indicate proposed total exterior lighting wattage does not exceed maximum wattage via Building Area Method or Space-By-Space Method.
  - LTG-INT-SPACE; indicate proposed total exterior lighting wattage does not exceed maximum wattage via Building Area Method or Space-By-Space Method.
  - LTG-INT-SPACE; indicate proposed total exterior lighting wattage does not exceed maximum wattage via Building Area Method or Space-By-Space Method.
  - LTG-INT-SPACE; indicate proposed total exterior lighting wattage does not exceed maximum wattage via Building Area Method or Space-By-Space Method.

**APPENDIX**
- Include the following information if applicable to the building:
  - LTG-INT-SPACE; indicate proposed total exterior lighting wattage does not exceed maximum wattage via Building Area Method or Space-By-Space Method.
  - LTG-INT-SPACE; indicate proposed total exterior lighting wattage does not exceed maximum wattage via Building Area Method or Space-By-Space Method.
  - LTG-INT-SPACE; indicate proposed total exterior lighting wattage does not exceed maximum wattage via Building Area Method or Space-By-Space Method.
  - LTG-INT-SPACE; indicate proposed total exterior lighting wattage does not exceed maximum wattage via Building Area Method or Space-By-Space Method.

**NOTES**
- Include any notes pertinent to the building.

**REFERENCES**
- Include any additional literature and support for the building.

**EXHIBITS**
- Include any additional exhibits pertinent to the building.

**APPENDIX**
- Include any additional information pertinent to the building.

**EXHIBITS**
- Include any additional exhibits pertinent to the building.

**REFERENCES**
- Include any additional literature and support for the building.
UTILITY METER, INSTALL PER PSE STANDARDS AND REQUIREMENTS

PROVIDE 2" CONDUIT W/PULL STRING FOR FUTURE. CAP AND LABEL

EXISTING UTILITY VAULT, APPROXIMATE LOCATION SHOWN. CONTRACTOR TO FIELD VERIFY EXACT LOCATION.

PROVIDE (1) 2-1/2" CONDUIT, TRENCH PER PSE STANDARDS. REFER TO ONE LINE DIAGRAM FOR WIRE SIZING.

PROVIDE 1" CONDUIT W/PULL STRING FOR FUTURE CONNECTION TO STREET LIGHTING CIRCUIT.

ALIGN WITH PAVING/CURB EDGE

PROVIDE EXCAVATION AND BACKFILL FOR UTILITY SERVICE. CONDUIT AND WIRE PROVIDED BY UTILITY.

PROVIDE 2" CONDUIT W/PULL STRING FOR FUTURE. CAP AND LABEL

PROVIDE 1" CONDUIT W/PULL STRING FOR FUTURE CONNECTION TO STREET LIGHTING CIRCUIT.

ALIGN WITH PAVING/CURB EDGE

BORE UNDER ROADWAY TO EXISTING UTILITY VAULT, COORDINATE WITH UTILITY TO PERMIT 2" CONDUIT.

PROVIDE UTILITY TRANSFORMER, VAULT PROVIDED BY UTILITY. PROVIDE TRENCHING PER UTILITY STANDARDS

PROVIDE 1/2" CONDUIT ALONG WITH PAVING/CURB EDGE
1. NOT ALL COMPONENTS ARE SHOWN IN THIS DIAGRAM.

2. ALL CONDUCTOR SIZES SHOWN ARE BASED ON COPPER.

3. GROUND CONDUCTOR AND NEUTRAL SHALL BE SIZED IN ACCORDANCE WITH THE ONE-LINE POWER DIAGRAM WHERE APPLICABLE.

4. SEE PLANS AND SPECIFICATIONS FOR ADDITIONAL ITEMS.

GROUNDING DIAGRAM

LEGEND
- MECHANICAL CONNECTION, 2-HOLE WHERE POSSIBLE
- BURNDY TYPE GAR-TC GROUND CONNECTOR.
- COORDINATE SIZE WITH PIPING
- CONCRETE ENCASED GROUND

MINIMUM OF 30-FT #4

UTILITY TRANSFORMER. PROVIDE GROUND RING AROUND PERIMETER PER UTILITY REQUIREMENTS

NOTES
1. NOT ALL COMPONENTS ARE SHOWN IN THIS DIAGRAM.
2. ALL CONDUCTOR SIZES SHOWN ARE BASED ON COPPER.
3. GROUND CONDUCTOR AND NEUTRAL SHALL BE SIZED IN ACCORDANCE WITH THE ONE-LINE POWER DIAGRAM WHERE APPLICABLE.
4. SEE PLANS AND SPECIFICATIONS FOR ADDITIONAL ITEMS.

GROUND RODS MIN 6'-0" APART AT BUILDING

UTILITY TRANSFORMER. PROVIDE GROUND RING AROUND PERIMETER PER UTILITY REQUIREMENTS

NOTES
1. NOT ALL COMPONENTS ARE SHOWN IN THIS DIAGRAM.
2. ALL CONDUCTOR SIZES SHOWN ARE BASED ON COPPER.
3. GROUND CONDUCTOR AND NEUTRAL SHALL BE SIZED IN ACCORDANCE WITH THE ONE-LINE POWER DIAGRAM WHERE APPLICABLE.
4. SEE PLANS AND SPECIFICATIONS FOR ADDITIONAL ITEMS.

GROUND RODS MIN 6'-0" APART AT BUILDING

UTILITY TRANSFORMER. PROVIDE GROUND RING AROUND PERIMETER PER UTILITY REQUIREMENTS

NOTES
1. NOT ALL COMPONENTS ARE SHOWN IN THIS DIAGRAM.
2. ALL CONDUCTOR SIZES SHOWN ARE BASED ON COPPER.
3. GROUND CONDUCTOR AND NEUTRAL SHALL BE SIZED IN ACCORDANCE WITH THE ONE-LINE POWER DIAGRAM WHERE APPLICABLE.
4. SEE PLANS AND SPECIFICATIONS FOR ADDITIONAL ITEMS.

GROUND RODS MIN 6'-0" APART AT BUILDING

UTILITY TRANSFORMER. PROVIDE GROUND RING AROUND PERIMETER PER UTILITY REQUIREMENTS

NOTES
1. NOT ALL COMPONENTS ARE SHOWN IN THIS DIAGRAM.
2. ALL CONDUCTOR SIZES SHOWN ARE BASED ON COPPER.
3. GROUND CONDUCTOR AND NEUTRAL SHALL BE SIZED IN ACCORDANCE WITH THE ONE-LINE POWER DIAGRAM WHERE APPLICABLE.
4. SEE PLANS AND SPECIFICATIONS FOR ADDITIONAL ITEMS.

GROUND RODS MIN 6'-0" APART AT BUILDING

UTILITY TRANSFORMER. PROVIDE GROUND RING AROUND PERIMETER PER UTILITY REQUIREMENTS

NOTES
1. NOT ALL COMPONENTS ARE SHOWN IN THIS DIAGRAM.
2. ALL CONDUCTOR SIZES SHOWN ARE BASED ON COPPER.
3. GROUND CONDUCTOR AND NEUTRAL SHALL BE SIZED IN ACCORDANCE WITH THE ONE-LINE POWER DIAGRAM WHERE APPLICABLE.
4. SEE PLANS AND SPECIFICATIONS FOR ADDITIONAL ITEMS.

GROUND RODS MIN 6'-0" APART AT BUILDING

UTILITY TRANSFORMER. PROVIDE GROUND RING AROUND PERIMETER PER UTILITY REQUIREMENTS

NOTES
1. NOT ALL COMPONENTS ARE SHOWN IN THIS DIAGRAM.
2. ALL CONDUCTOR SIZES SHOWN ARE BASED ON COPPER.
3. GROUND CONDUCTOR AND NEUTRAL SHALL BE SIZED IN ACCORDANCE WITH THE ONE-LINE POWER DIAGRAM WHERE APPLICABLE.
4. SEE PLANS AND SPECIFICATIONS FOR ADDITIONAL ITEMS.

GROUND RODS MIN 6'-0" APART AT BUILDING

UTILITY TRANSFORMER. PROVIDE GROUND RING AROUND PERIMETER PER UTILITY REQUIREMENTS

NOTES
1. NOT ALL COMPONENTS ARE SHOWN IN THIS DIAGRAM.
2. ALL CONDUCTOR SIZES SHOWN ARE BASED ON COPPER.
3. GROUND CONDUCTOR AND NEUTRAL SHALL BE SIZED IN ACCORDANCE WITH THE ONE-LINE POWER DIAGRAM WHERE APPLICABLE.
4. SEE PLANS AND SPECIFICATIONS FOR ADDITIONAL ITEMS.

GROUND RODS MIN 6'-0" APART AT BUILDING

UTILITY TRANSFORMER. PROVIDE GROUND RING AROUND PERIMETER PER UTILITY REQUIREMENTS

NOTES
1. NOT ALL COMPONENTS ARE SHOWN IN THIS DIAGRAM.
2. ALL CONDUCTOR SIZES SHOWN ARE BASED ON COPPER.
3. GROUND CONDUCTOR AND NEUTRAL SHALL BE SIZED IN ACCORDANCE WITH THE ONE-LINE POWER DIAGRAM WHERE APPLICABLE.
4. SEE PLANS AND SPECIFICATIONS FOR ADDITIONAL ITEMS.

GROUND RODS MIN 6'-0" APART AT BUILDING

UTILITY TRANSFORMER. PROVIDE GROUND RING AROUND PERIMETER PER UTILITY REQUIREMENTS

NOTES
1. NOT ALL COMPONENTS ARE SHOWN IN THIS DIAGRAM.
2. ALL CONDUCTOR SIZES SHOWN ARE BASED ON COPPER.
3. GROUND CONDUCTOR AND NEUTRAL SHALL BE SIZED IN ACCORDANCE WITH THE ONE-LINE POWER DIAGRAM WHERE APPLICABLE.
4. SEE PLANS AND SPECIFICATIONS FOR ADDITIONAL ITEMS.

GROUND RODS MIN 6'-0" APART AT BUILDING

UTILITY TRANSFORMER. PROVIDE GROUND RING AROUND PERIMETER PER UTILITY REQUIREMENTS

NOTES
1. NOT ALL COMPONENTS ARE SHOWN IN THIS DIAGRAM.
2. ALL CONDUCTOR SIZES SHOWN ARE BASED ON COPPER.
3. GROUND CONDUCTOR AND NEUTRAL SHALL BE SIZED IN ACCORDANCE WITH THE ONE-LINE POWER DIAGRAM WHERE APPLICABLE.
4. SEE PLANS AND SPECIFICATIONS FOR ADDITIONAL ITEMS.
## Irrigation Schedule

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>MANUFACTURER/MODEL/DESCRIPTION</th>
<th>PSI</th>
<th></th>
<th>RADIUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Symbol]</td>
<td>HUNTER PRO-54-P39640-CV</td>
<td>8&quot; RADIUS</td>
<td>30</td>
<td>0.9</td>
</tr>
<tr>
<td>![Symbol]</td>
<td>HUNTER PRO-34-P39640-CV</td>
<td>12&quot; RADIUS</td>
<td>30</td>
<td>1.9</td>
</tr>
<tr>
<td>![Symbol]</td>
<td>HUNTER PRO-24-P39640-CV</td>
<td>18&quot; RADIUS</td>
<td>30</td>
<td>2.3</td>
</tr>
<tr>
<td>![Symbol]</td>
<td>HUNTER PRO-14-P39640-CV</td>
<td>24&quot; RADIUS</td>
<td>30</td>
<td>2.7</td>
</tr>
<tr>
<td>![Symbol]</td>
<td>HUNTER PRO-04-P39640-CV</td>
<td>30&quot; RADIUS</td>
<td>30</td>
<td>3.0</td>
</tr>
</tbody>
</table>

## Valve Schedule

<table>
<thead>
<tr>
<th>NUMBER</th>
<th>MODEL</th>
<th>DIA.</th>
<th>PSI</th>
<th>RADIUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>WEATHERMATIC B2000CR-VR</td>
<td>1/2&quot;</td>
<td>35</td>
<td>3.0</td>
</tr>
<tr>
<td>2</td>
<td>WEATHERMATIC B2000CR-VR</td>
<td>1&quot;</td>
<td>35</td>
<td>3.0</td>
</tr>
<tr>
<td>3</td>
<td>WEATHERMATIC B2000CR-VR</td>
<td>1-1/2&quot;</td>
<td>35</td>
<td>3.0</td>
</tr>
<tr>
<td>4</td>
<td>WEATHERMATIC B2000CR-VR</td>
<td>2&quot;</td>
<td>35</td>
<td>3.0</td>
</tr>
</tbody>
</table>

## Irrigation Notes

1. Provide and install all irrigation in conformance with the City of Kirkland Standards. In the event of conflict, these documents shall control.
2. Contractor shall comply with all applicable codes and appropriate safety regulations.
3. Drawings is schematic in nature, locations may vary due to utility or existing conditions; contractor is responsible for locating utilities prior to beginning construction.
4. Existing state .55 psi at Irrigation Water main 1000 psi prior to installation of Irrigation system. Contractorhall verify existing .55 psi notify owner’s representative of any discrepancies between the design .55 psi prior to proceeding with work.
5. Locate quick coupling valve & automatic control valves at point of easy access. Owner’s representative to remain at a specific final location of all quick couplers & automatic controls prior to installation.
6. All sprinkler area pop-up spray heads to be 6’ apart, all turf area pop-ups to be 4’ in height. (Unless otherwise specified on plan)
7. Contractor to coordinate Irrigation sleeping with parking work as required.
8. All irrigation sleeves shall be made the diameter of the insert pipes. Sleeves shall not exceed 1/2" diameter.
9. Irrigation contractor to provide and install all required plumbing sleeves where necessary. All irrigation sleeves to be installed in the field, located on dimensions 18-24" from prior location, 6" from prior location.
10. Air blow irrigation system through quick couplers to minimize backwash.
11. Pipes to be shared by wires. Separate common piping by 6" with individual sleeve.
12. Sprinkler pipe sleeves shall not be used on the main line pipe shall be sized to the next largest pipe size shown on plan.
13. When trenching occurs around trees to remain, the tree roots shall not be cut. If the space shall be turned under or around the tree roots by careful hand-digging & to avoid injury to the roots.
14. General contractor to provide and install all conduit to clock location.
15. General contractor to provide power source for clock (Verify location of Kirkland Water Supply)

---

*IR001 Toetem Lake Park Phase 1
City of Kirkland
12031 Totem Lake Way, Kirkland, WA 98034
* JA

---

* Berger Partnership
Contact Information:
206 325 6877
bergerpartnership.com
1927 Post Alley, Ste. 2
Seattle, WA 98101

* Design Two Four/Two Six
Contact Information:
425 881-2426
www.design2426.com
Landscape Architecture  Irrigation Planning  Athletic Field Design  Construction Management

* Jason Anderson
NO.0936 EXP.08/24/2020
STONE OF WASHINGTON
LANDSCAPE ARCHITECT

---

*Refer to Irrigation Notes Schedule for additional information.*
Totem Lake Park Phase 1
City of Kirkland
12031 Totem Lake Way, Kirkland, WA 98034

IRRIGATION DETAILS

Notes:
1. Swing joint assembly size determined by head outlet size.
2. Spigot should be 1/2" above finished grade in ground cover area.

Specified compacted backfill
Irrigation head per plans
PVC Sch. 80 FIP - Length as required to maintain 45 degree angle
PVC Sch. 40 FIP - 48"
PVC Sch. 40 Tee and street ell

Spray head

Scale:

Spray head

Notes:
1. Watermain splices (see specs)
2. Valve box w/ locking LD (see specs)
3. Finish grade - watermain splices (see specs)
4. Water main splices (see specs)
5. Valve box w/ locking LD (see specs)

Master valve & flow sensor

Scale:

Notes:
1. Use Teflon tape on all threaded fittings.
2. Use Teflon tape on all threaded fittings.

Double check valve assembly

Scale:

Notes:
1. FIP cocks to be upright and easily accessible.
2. Master valve & flow sensor run continuous pie wire from flow sensor to controller.

Master valve & flow sensor

Scale:

Notes:
1. Use Teflon tape on all threaded fittings.
2. Use Teflon tape on all threaded fittings.

Spray head

Scale:

Notes:
1. Watermain splices (see specs)
2. Valve box w/ locking LD (see specs)
3. Finish grade - watermain splices (see specs)
4. Water main splices (see specs)
5. Valve box w/ locking LD (see specs)

Master valve & flow sensor

Scale:
OVERALL PLANTING AND MITIGATION

BUFFERMITIGATION/RESTORATION & PLANTING REQUIREMENTS

1. All trees and shrubs, and planted areas except for wetland areas shall be planted in the
   planting area. Refer to planting plans.

2. All shrubs and trees shall be planted in a manner that will provide adequate
   planting and protection for the survival of the plant.

3. All trees and shrubs shall be planted in a manner that will provide adequate
   planting and protection for the survival of the plant.

4. All planting areas shown in 'PARK AREA, SHEET LP101' shall be referred to
   the Critical Area Plan for planting details, and supplier requirements.

5. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
   surfaces unless noted or directed otherwise.

6. It is the contractor's responsibility to provide adequate
   planting and protection for the survival of the plant.

7. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
   surfaces unless noted or directed otherwise.

8. All planted areas shown in 'PARK AREA, SHEET LP101' shall be referred to
   the Critical Area Plan for planting details, and supplier requirements.

9. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
   surfaces unless noted or directed otherwise.

10. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

11. It is the contractor's responsibility to provide adequate
    planting and protection for the survival of the plant.

12. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

13. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

14. It is the contractor's responsibility to provide adequate
    planting and protection for the survival of the plant.

15. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

16. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

17. It is the contractor's responsibility to provide adequate
    planting and protection for the survival of the plant.

18. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

19. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

20. It is the contractor's responsibility to provide adequate
    planting and protection for the survival of the plant.

21. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

22. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

23. It is the contractor's responsibility to provide adequate
    planting and protection for the survival of the plant.

24. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

25. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

26. It is the contractor's responsibility to provide adequate
    planting and protection for the survival of the plant.

27. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

28. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

29. It is the contractor's responsibility to provide adequate
    planting and protection for the survival of the plant.

30. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

31. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

32. It is the contractor's responsibility to provide adequate
    planting and protection for the survival of the plant.

33. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

34. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

35. It is the contractor's responsibility to provide adequate
    planting and protection for the survival of the plant.

36. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

37. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

38. It is the contractor's responsibility to provide adequate
    planting and protection for the survival of the plant.

39. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

40. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

41. It is the contractor's responsibility to provide adequate
    planting and protection for the survival of the plant.

42. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

43. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

44. It is the contractor's responsibility to provide adequate
    planting and protection for the survival of the plant.

45. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

46. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

47. It is the contractor's responsibility to provide adequate
    planting and protection for the survival of the plant.

48. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

49. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

50. It is the contractor's responsibility to provide adequate
    planting and protection for the survival of the plant.

51. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

52. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

53. It is the contractor's responsibility to provide adequate
    planting and protection for the survival of the plant.

54. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

55. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

56. It is the contractor's responsibility to provide adequate
    planting and protection for the survival of the plant.

57. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

58. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

59. It is the contractor's responsibility to provide adequate
    planting and protection for the survival of the plant.

60. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

61. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

62. It is the contractor's responsibility to provide adequate
    planting and protection for the survival of the plant.

63. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

64. All planting area finish grades (top of mulch) shall be 1/2" below adjacent paved
    surfaces unless noted or directed otherwise.

65. It is the contractor's responsibility to provide adequate
    planting and protection for the survival of the plant.
### TREE INVENTORY

<table>
<thead>
<tr>
<th>Species Name</th>
<th>Size (O.C.)</th>
<th>Spacing (O.C.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prunus domestica</td>
<td>2 GAL @ 3' OC</td>
<td></td>
</tr>
<tr>
<td>Fagus sylvatica</td>
<td>2 GAL @ 3' OC</td>
<td></td>
</tr>
<tr>
<td>Acer platanoides</td>
<td>2 GAL @ 3' OC</td>
<td></td>
</tr>
<tr>
<td>Betula nigra</td>
<td>2 GAL @ 3' OC</td>
<td></td>
</tr>
<tr>
<td>Quercus rubra</td>
<td>2 GAL @ 3' OC</td>
<td></td>
</tr>
<tr>
<td>Populus tremuloides</td>
<td>2 GAL @ 3' OC</td>
<td></td>
</tr>
<tr>
<td>Pseudotsuga menziesii</td>
<td>2 GAL @ 3' OC</td>
<td></td>
</tr>
<tr>
<td>Pinus contorta</td>
<td>2 GAL @ 3' OC</td>
<td></td>
</tr>
<tr>
<td>Abies grandis</td>
<td>2 GAL @ 3' OC</td>
<td></td>
</tr>
<tr>
<td>Pinus ponderosa</td>
<td>2 GAL @ 3' OC</td>
<td></td>
</tr>
<tr>
<td>Pinus strobus</td>
<td>2 GAL @ 3' OC</td>
<td></td>
</tr>
</tbody>
</table>

### SHRUB PLANTING SCHEDULE

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Size (O.C.)</th>
<th>Spacing (O.C.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abies concolor</td>
<td>3 GAL @ 3' OC</td>
<td></td>
</tr>
<tr>
<td>Acer platanoides</td>
<td>3 GAL @ 3' OC</td>
<td></td>
</tr>
<tr>
<td>Betula nigra</td>
<td>3 GAL @ 3' OC</td>
<td></td>
</tr>
<tr>
<td>Prunus domestica</td>
<td>3 GAL @ 3' OC</td>
<td></td>
</tr>
<tr>
<td>Quercus rubra</td>
<td>3 GAL @ 3' OC</td>
<td></td>
</tr>
<tr>
<td>Pinus contorta</td>
<td>3 GAL @ 3' OC</td>
<td></td>
</tr>
<tr>
<td>Pseudotsuga menziesii</td>
<td>3 GAL @ 3' OC</td>
<td></td>
</tr>
<tr>
<td>Pinus ponderosa</td>
<td>3 GAL @ 3' OC</td>
<td></td>
</tr>
<tr>
<td>Pinus strobus</td>
<td>3 GAL @ 3' OC</td>
<td></td>
</tr>
</tbody>
</table>

### GROUND COVER PLANTING SCHEDULE

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Size (O.C.)</th>
<th>Spacing (O.C.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Armeria maritima</td>
<td>2 GAL @ 2' OC</td>
<td></td>
</tr>
<tr>
<td>Athyrium filix-femina</td>
<td>2 GAL @ 2' OC</td>
<td></td>
</tr>
<tr>
<td>Carex morrowii</td>
<td>2 GAL @ 2' OC</td>
<td></td>
</tr>
<tr>
<td>Cornus alba</td>
<td>2 GAL @ 2' OC</td>
<td></td>
</tr>
<tr>
<td>Equisetum arvense</td>
<td>2 GAL @ 2' OC</td>
<td></td>
</tr>
<tr>
<td>Juncus gerardianus</td>
<td>2 GAL @ 2' OC</td>
<td></td>
</tr>
<tr>
<td>Lophocolea lasiocarpa</td>
<td>2 GAL @ 2' OC</td>
<td></td>
</tr>
<tr>
<td>Sedum album</td>
<td>2 GAL @ 2' OC</td>
<td></td>
</tr>
<tr>
<td>Sedum spurium</td>
<td>2 GAL @ 2' OC</td>
<td></td>
</tr>
<tr>
<td>Veronica spicata</td>
<td>2 GAL @ 2' OC</td>
<td></td>
</tr>
</tbody>
</table>
APPROX. 3600 SF TOTAL AREA TO RECEIVE THE FOLLOWING TREATMENT:
1. FIELD VERIFY LIMITS OF THIS PLANTING AREA.
2. CLEAR AND GRUB ALL NON-NATIVE PLANTS.
3. MULCH AREA WITH 3" DEPTH MULCH.
4. AREA WILL BE PLANTED BY OTHERS NOT INCLUDED IN THIS PROJECT.

EXISTING CONIFER TREE 6" CAL. OR GREATER TO BE RETAINED
EXISTING DECIDUOUS TREE 6" CAL. OR GREATER TO BE RETAINED

TREE LEGEND - TRAIL & BOARDWALK

**NOTE**: DRAWING SHEET CONTENTS SUBJECT TO CHANGE WITHOUT NOTICE.
UNDISTURBED OR COMPACTED SUBGRADE
TAMP SOIL AROUND ROOTBALL W/ FOOT SO ROOTBALL DOESN'T SHIFT
BACKFILL W/ PLANTING SOIL
PROVIDE WATER SAUCER
MULCH AS SPECIFIED
TRUNK FLARE SHALL BE VISIBLE AT THE TOP OF ROOT BALL.
DECIDUOUS OR CONIFEROUS TREE, COMPLETELY REMOVE ANY BAG / BURLAP / WIRE - CAGE FROM ROOT BALL BEFORE PLANTING
ROOT BALL DIAMETER 2X ROOTBALL DIAMETER
APPROX. 1'
INSTALL 1" BELOW MULCH FINISH GRADE
UNDISTURBED OR COMPACTED SUBGRADE
TAMP SOIL AROUND ROOTBALL W/ FOOT SO ROOTBALL DOESN'T SHIFT
BACKFILL W/ NATIVE SOIL
PROVIDE WATER SAUCER
MULCH AS SPECIFIED
TRUNK FLARE SHALL BE VISIBLE AT THE TOP OF ROOT BALL.
DECIDUOUS OR CONIFEROUS TREE, COMPLETELY REMOVE ANY BAG / BURLAP / WIRE - CAGE FROM ROOT BALL BEFORE PLANTING
ROOT BALL DIAMETER 2X ROOTBALL DIAMETER
APPROX. 1'
INSTALL 1" BELOW MULCH FINISH GRADE
UNDISTURBED OR COMPACTED SUBGRADE
TAMP SOIL AROUND FOOTBALL W/ FOOT SO ROOTBALL DOESN'T SHIFT
UNDISTURBED OR COMPACTED SUBGRADE
TRUNK FLARE SHALL BE VISIBLE AT THE TOP OF ROOT BALL.
DECIDUOUS OR CONIFEROUS TREE, COMPLETELY REMOVE ANY BAG / BURLAP / WIRE - CAGE FROM ROOT BALL BEFORE PLANTING
ROOT BALL DIAMETER 2X ROOTBALL DIAMETER
APPROX. 1'
INSTALL 1" BELOW MULCH FINISH GRADE
UNDISTURBED OR COMPACTED SUBGRADE
TAMP SOIL AROUND FOOTBALL W/ FOOT SO ROOTBALL DOESN'T SHIFT
PROVIDE WATER SAUCER
MULCH AS SPECIFIED
TRUNK FLARE SHALL BE VISIBLE AT THE TOP OF ROOT BALL.
DECIDUOUS OR CONIFEROUS TREE, COMPLETELY REMOVE ANY BAG / BURLAP / WIRE - CAGE FROM ROOT BALL BEFORE PLANTING
ROOT BALL DIAMETER 2X ROOTBALL DIAMETER
APPROX. 1'
INSTALL 1" BELOW MULCH FINISH GRADE
UNDISTURBED OR COMPACTED SUBGRADE
TAMP SOIL AROUND FOOTBALL W/ FOOT SO ROOTBALL DOESN'T SHIFT
PROVIDE WATER SAUCER
MULCH AS SPECIFIED
TRUNK FLARE SHALL BE VISIBLE AT THE TOP OF ROOT BALL.
DECIDUOUS OR CONIFEROUS TREE, COMPLETELY REMOVE ANY BAG / BURLAP / WIRE - CAGE FROM ROOT BALL BEFORE PLANTING
ROOT BALL DIAMETER 2X ROOTBALL DIAMETER
APPROX. 1'
INSTALL 1" BELOW MULCH FINISH GRADE