Riverfront Park
Utility Guidelines

Prepared for
City of Spokane
Parks and Recreation Department
REV. 1.0

August 2016
SECTION 1

Purpose

1.1 Document Purpose

The purpose of the Riverfront Park Utilities Master Plan is to provide designers of projects within Riverfront Park utilities information that can assist them as they develop site utility plans for their projects. This document:

1. Gathers in one location schematic mapping of underground utilities within the boundaries of Riverfront Park;
2. Illustrates locations of proposed utilities that have been established either through detailed design or conceptual layout;
3. Provides guidance on responsibilities for the design and construction of future utility improvements within the park.

Existing Utilities

2.1 Scope and Limitations

The Existing Utility Schematic contained herein is intended as a schematic depiction of where existing utilities are thought to be located, based on various data sources (described below), and should not be assumed to reflect a comprehensive inventory of all utility assets within the park. No physical investigation, such as potholing, was performed to establish underground utility locations; readily observable utility features at ground level were electronically surveyed where such surveys were conducted for project design.

The following utilities are shown on the Existing Utility Schematic:
- Water - City of Spokane Water Department
- Sanitary sewer – City of Spokane Wastewater Management
- Storm sewer – City of Spokane Parks & Recreation
- Electrical - Avista Utilities
- Natural gas – Avista Utilities
- Communications – City of Spokane IT Department
- Communications – City of Spokane Street Department
- Communications – CenturyLink

Note that additional information regarding electrical and irrigation infrastructure is included in separate project documents that focus specifically on these utilities.

2.2 Data Sources for Existing Utility Schematic

Three primary sources of data were utilized to compile the information shown in the Existing Utility Schematic: information obtained directly from utility providers, through either direct communication or the Preliminary Utility Notice; Geographic Information System (GIS) mapping; and field surveys. Where two or more data sources were obtained for the same infrastructure, all data was included on the drawing – no editing of the data sets was performed to rectify the sources with one another.

2.2.1 Preliminary Utility Notices

In support of the Utility Guidelines Master Plan, the City of Spokane Engineering Department sent a Preliminary Utility Notice to all non-City utilities that they typically contact prior to commencing design on City public works projects. The purpose of the notice is to inquire if:
- the utility has assets within the project limits (Riverfront Park, in this case);
- the project will impact the utility’s assets, if present;
- the utility is planning to construct additional infrastructure within the project limits.

Table 1 shows the utilities that responded to the Preliminary Utility Notice, along with their responses to the queries.

<table>
<thead>
<tr>
<th>Utility Provider</th>
<th>Infrastructure within Project Limits</th>
<th>Impacts Due to Project</th>
<th>Proposed Construction within Project Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AT&amp;T Communications</td>
<td>Yes</td>
<td>Possible</td>
<td>No</td>
</tr>
<tr>
<td>Avista Utilities - Electrical</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Avista Utilities – Natural Gas</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>CenturyLink</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Comcast</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Inland Power &amp; Light</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Level 3</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>OSP Engineer Spokane Integra Telecom</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Tesoro Logistics</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Williams NW Pipeline</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>XO Communications</td>
<td>Yes</td>
<td>Possible</td>
<td>No</td>
</tr>
<tr>
<td>Yellowstone Pipeline Co.</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Zayo Fiber &amp; Transport Infrastructure</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

2.2.2 GIS Mapping

Digital GIS mapping was obtained from the City of Spokane and Avista Utilities. The utilities shown in the City GIS data included water, sanitary sewer, storm sewer, and communications. The Avista Utilities GIS data included electrical and natural gas infrastructure. Both data sets were inserted into the Existing Utility Schematic at a common base point, and modified only as necessary to enhance readability.

2.2.3 Field Surveys

At the direction of City of Spokane Parks & Recreation, several project areas within Riverfront Park have been surveyed by Adams & Clark, Inc. The scope of these surveys included recording the location of utility surface features, such as manhole lids, fire hydrants, and utility boxes. The utility information from these surveys was inserted into the Existing Schematic Plan, at the same base point used for the GIS data. The survey information was modified only as necessary to enhance readability.
Proposed Utilities

3.1 Scope and Limitations

Two types of proposed improvements are shown in the Proposed Utility Schematic:

- Category 1 - Proposed mainline (or ‘backbone’) utility lines
- Category 2 – Proposed utility service lines

**Category 1**

The utility providers who stated in their response to the Preliminary Utility Notice that they intend to construct new mainline infrastructure within Riverfront Park, along with the City utility departments, were contacted directly for information on proposed utility size and location. The information shown on the Proposed Utility Schematic should only be considered to be developed to a conceptual level; the designer should contact the utility purveyor prior to beginning any detailed design that is based on Category 1 information.

**Category 2**

Utility improvements that have undergone detailed engineering design are designated as Category 2 utilities. The information on the Proposed Utility Schematic for these utilities can be considered more accurate and reliable than the Category 1 information. Nonetheless, this is not documentation of the as-constructed conditions. Therefore, the designer should contact the applicable utility purveyor to gather additional details on the lines.

3.2 Responsibilities for Design and Construction

Responsibility for design and construction of utility improvements within Riverfront Park will vary, depending on the type of utility; whether it’s associated with a defined park project; whether the improvement is considered routine maintenance; or if it’s being driven by the necessities of a project.

See Table 2 for a general assignment of responsibilities.

### Table 2. Responsibility Matrix for Proposed Utility Improvements

<table>
<thead>
<tr>
<th>Utility Type</th>
<th>Engineering Design</th>
<th>Lead Design Review</th>
<th>Construction Funding</th>
<th>Construction Inspection</th>
</tr>
</thead>
<tbody>
<tr>
<td>City of Spokane IT Communications</td>
<td>City of Spokane IT or consultant</td>
<td>City of Spokane IT</td>
<td>City of Spokane IT</td>
<td>City of Spokane IT</td>
</tr>
<tr>
<td>City of Spokane Street/Signal Communications</td>
<td>City of Spokane Street Dept or consultant</td>
<td>City of Spokane Street Dept</td>
<td>City of Spokane Street Dept</td>
<td>City of Spokane Street Dept</td>
</tr>
<tr>
<td>City of Spokane Water Main</td>
<td>City of Spokane Water Dept or consultant</td>
<td>City of Spokane Water Dept</td>
<td>City of Spokane Water Dept</td>
<td>City of Spokane Water Dept</td>
</tr>
<tr>
<td>City of Spokane Sanitary Sewer - Storm Sewer Main</td>
<td>City of Spokane Wastewater Mgt</td>
<td>City of Spokane Wastewater Mgt</td>
<td>City of Spokane Wastewater Mgt</td>
<td>City of Spokane Wastewater Mgt</td>
</tr>
<tr>
<td>Avista Utilities Electrical (Medium Voltage)</td>
<td>Avista Utilities or consultant</td>
<td>Avista Utilities</td>
<td>Avista Utilities</td>
<td>Avista Utilities</td>
</tr>
<tr>
<td>Misc Utility Services for Individual Projects Within Riverfront Park</td>
<td>Project consultant</td>
<td>Utility owner</td>
<td>City of Spokane Parks &amp; Recreation</td>
<td>Utility owner</td>
</tr>
</tbody>
</table>

### 3.3 Design Standards

Designers of utility systems within Riverfront Park should consult the following documents for applicable technical requirements and construction standards. Private utility purveyors should be contacted directly to obtain their specific requirements for a particular project location.

**Water**

City of Spokane, Department of Engineering Services, 2007. ‘Design Standards.’
https://my.spokanecity.org/business/bid-and-design/design-standards/

City of Spokane, 2015. ‘City of Spokane Standard Plans.’
https://my.spokanecity.org/business/bid-and-design/standard-plans/

**Stormwater**

City of Spokane, Department of Engineering Services, 2007. ‘Design Standards.’
https://my.spokanecity.org/business/bid-and-design/design-standards/
EXISTING UTILITY SCHEMATIC

DISCLAIMER:
THE EXISTING UTILITY REFERENCE DRAWINGS ARE ONLY INTENDED TO ILLUSTRATE THE POSSIBLE PRESENCE OF MAJOR UNDERGROUND UTILITIES WITHIN RIVERFRONT PARK, AND SHOULD NOT BE CONSIDERED ACCURATE, CORRECT, OR COMPLETE. USE OF THIS INFORMATION IS AT THE USERS SOLE RISK AS TO THE SIZE, NATURE, AND LOCATION OF ANY UTILITY. THE INFORMATION COMPILED FOR THESE UTILITY REFERENCE DRAWINGS WAS GATHERED FROM GIS DATA AND OTHER INFORMATION SUPPLIED BY THE CITY OF SPOKANE AND VARIOUS UTILITY FURNITURES. THE EXACT LOCATIONS OF UNDERGROUND UTILITY FACILITIES HAVE NOT BEEN VERIFIED BY PHYSICAL INVESTIGATION OR OTHER MEANS. MINOR UTILITIES SUCH AS IRRIGATION LINES, ELECTRICAL POWER TO INDIVIDUAL LIGHTS OR OUTLETS, AND OTHER MISCELLANEOUS SERVICE CONNECTIONS HAVE NOT BEEN IDENTIFIED.

CITY OF SPOKANE, WASHINGTON
DEPARTMENT OF PARKS AND RECREATION
RIVERFRONT PARK - UTILITY COMPILATION
DISCLAIMER:
These utility reference drawings are only intended to illustrate the possible presence of major underground utilities within the right-of-way and should not be assumed to be accurate, correct, or complete. Use of the information is at the user's sole risk as to the extent, nature, and accuracy of any utility.

The information compiled for these utility reference drawings was generated from GIS data and other information supplied by the City of Spokane and various utility owners. The location of underground utilities is not based on physical location or other data. While efforts such as没见过正常化, electrical tagging, and other information may not been included, all lines, pipes, and other underground utilities are not necessarily accurate. The City of Spokane, and any utility owner or anyone who relies on this data in whole or in part assumes all liability for their dependence on this information and assumes responsibility for the accuracy, completeness, or usefulness of this information. Use of this information is at the user's sole risk.
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