STATEMENT OF PURPOSE & BACKGROUND

- **Scope:**
  - Preparing and installation of domestic water piping and interior gas piping as noted.

- **Statement of goals:**
  - Provide a consistent, high quality plumbing system that:
    - Is durable, code-compliant, and easily maintainable.

- **Revision history of section:**
  - 03/09/13
  - 02/25/19
  - 12/22/20

SELECTION AND APPLICATION CRITERIA

<table>
<thead>
<tr>
<th>Application</th>
<th>Selection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vertical Water Piping</td>
<td>Soldered copper piping.</td>
</tr>
<tr>
<td>Horizontal Water Piping</td>
<td>Soldered or pressure fit copper piping.</td>
</tr>
<tr>
<td>Interior Gas Piping</td>
<td>Black steel pipe and copper as noted.</td>
</tr>
<tr>
<td>Acid Resistant Piping</td>
<td>Air-plenum-rated, Polyvinylidene fluoride Schedule 40 plastic pipe and fittings in lieu of glass piping per City of St. Paul</td>
</tr>
</tbody>
</table>

OUTLINE SPECIFICATION

- **Part 1 General**
  - Water meters on the utility service will be furnished and installed by the Utility company, any sub-meters/deduct-meters will be installed by the Contractor.

- **Part 2 Products**
  - Acceptable Products/Manufacturer(s):
    - Copper Press Fitting System: “Pro-Press”™ Viega NA or approved equal.
    - Copper Soldered Fitting System: Provide material and products complying with National Standard Plumbing Code, Types K and L.
    - Gas piping at Science Classrooms as occurs:
      - Schedule 40 black steel pipe at student and teacher stations
      - Convert from copper piping at floor penetrations
    - Equivalent manufacturers approved, in writing, in advance, by the Architect, may be substituted in accordance with the provisions of the Contract.
    - Where noted on drawings, provide Acid Resistant Piping leading directly to an Acid Neutralizing Tank. A point source tank at teacher stations may be considered on a case-by-case basis.
    - Provide Solids Interceptor for clay/waste at all Art Room sinks and other locations as required, specified, or as requested by Owner. See 22 40 00 Plumbing Fixtures.
  - Identification
    - Potable Water and Gas Piping: Pipe markers at required intervals
    - Potable Water and Gas Valves: Brass valve tags

- **Part 3 Execution**
  - Per Consultant and / or manufacturer specification.
End of Section