Appendix A: Soil Characteristics
<table>
<thead>
<tr>
<th>Soil Series (Map Symbol)</th>
<th>Main Characteristics</th>
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</thead>
</table>
| Cayuga and Cazenovia silt loams (CcB) | - Moderately drained to well drained  
- Seasonal water table at depth of 1½ - 2 feet  
- Underlain by loamy calcareous glacial till at a depth of 20-36 inches  
- 2% to 6% slopes  
- Approximately 14 acres in Study Area, found on rim in the Artpark |
| Collamer silt loam (CnA and CnB) | - Moderately well drained  
- Seasonal water table at depth of 1½ - 2 feet  
- Formed in neutral to calcareous lacustrine deposits  
- 0% to 6% slopes  
- Approximately 49 acres in Study Area, on rim in the Artpark and along the Robert Moses Parkway |
| Cut and fill land (Cu) | - Result from construction operations  
- Original soil has been stripped and removed, or covered with fill materials to a depth of 3 feet or more  
- A mixture of soil materials with no profile development  
- Require onsite investigation if changes in land use are contemplated  
- Common within Study Area (approximately 175 acres), both along rim and in gorge |
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| Dunkirk and Arkport soils (DvD3) | • Well drained  
• Seasonal high water table generally at a depth >3 feet  
• Formed in sandy deltaic and limy lacustrine deposits  
• 12% to 20% slopes, eroded  
• Uncommon in Study Area, found on rim in the Artpark |
| Hudson soils (HuF3) | • Rapid runoff and slow permeability  
• Found in long, narrow strips along streambanks  
• 20% to 45% slopes, eroded  
• Uncommon in Study Area, found in gorge within the Artpark |
| Made land (Me) | • Areas that have been filled with stones, masonry materials, bricks, and other waste  
• Thin mantle of soil material, but no profile development  
• Require onsite investigation to determine suitability for other uses  
• Approximately 27 acres in Study Area, both in gorge and on rim, immediately south of the Niagara Power Project |
| Otisville gravelly sandy loam (OsB) | • Excessively drained  
• Seasonal high water table generally at a depth >5 feet  
• Formed in sand and gravel glacial beach deposits  
• 3% to 8% slopes  
• Approximately 25 acres in Study Area, found on rim in the Artpark |
<p>| Quarries (Qu) | • Uncommon in Study Area, found on rim in the Artpark |</p>
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| Rhinebeck silt loam     | - Somewhat poorly drained  
| (RbA)                   | - Seasonal high water table at depth of $\frac{1}{2}$ to 1 foot  
|                         | - Formed in calcareous lacustrine deposits  
|                         | - 0% to 2% slopes  
|                         | - Uncommon in Study Area, found on rim in the Artpark |
| Rock land, steep        | - Slopes exceed 15%  
| (RoF)                   | - Approximately 46 acres in Study Area, primarily in gorge, but also  
|                         | on rim in the Artpark |
