STRUCTURE
STRUCTURE
EXISTING CONDITION

AMERTALIA PIZZA

CAYUGA STREET

MOONSHADOW TAVERN

STORM
ELECTRICAL AND TELECOM
GAS

ELECTRICAL
STORM
GAS
ABANDONED WATER
WATER
SANITARY
Structure
Below the Surface

Amertalia Pizza  →  Cayuga Street  ←  Moonshadow Tavern

Vaults
WATER STRUCTURE

CAYUGA STREET

MOONSHADOW TAVERN

AMERTALIA PIZZA

WATER (6' DEEP)

ABANDONED WATER

ASSESSMENT
- OVER 100 YRS OLD
- LEAD JOINTS
- INOPPERABLE VALVES
- REAL CHANCE OF MAIN BREAK

RECOMMENDATION
- INSTALL NEW LINE
STORM

STORM (4' DEEP)

STRUCTURE

CAYUGA STREET

MOONSHADOW TAVERN

AMERTALIA PIZZA

ASSESSMENT

• SEGMENTS WITH NEGATIVE SLOPE
• ISSUES WITH CAPACITY

RECOMMENDATION

• INSTALL SINGLE NEW LINE
SANITARY STRUCTURE

CAYUGA STREET

MOONSHADOW TAVERN

AMERTALIA PIZZA

SANITARY (9'-11' DEEP)

ASSESSMENT
• REASONABLY GOOD SHAPE
• NEEDS REPAIR IN PLACES
• BURIED DEEP

RECOMMENDATION
• UPGRADE IN PLACE
ASSESSMENT
• NO CATHODIC PROTECTION
• LIMITED CAPACITY
  restricts growth

NYSEG RESPONSE
• INSTALL NEW MED PRESSURE LINE AT REAR OF BUILDINGS
Assessment
- No known problems

Recommendation
- Possible to consolidate?

Electrical and Telecom
- Electric (~3' deep)
- Telecom (~3' deep)

Locations
- Amertalia Pizza
- Cayuga Street
- Moonshadow Tavern
NEW STORM AND WATER

AMERTALIA PIZZA
CAYUGA STREET
MOONSHADOW TAVERN

MIN 10' MIN 10'

NEW STORM
NEW WATER
SANITARY
IMPACT OF UTILITY WORK

STRUCTURE

AMERTALIA PIZZA

CAYUGA STREET

MOONSEADOW TAVERN

NEW STORM (5' X 5' TRENCH)

NEW WATER (5' X 10' TRENCH)
RESPONSE TO IMPACT OF UTILITY WORK

1. TREE EVALUATION

2. FUTURE STRUCTURE OF UTILITIES
**Recommendation**
- **Remove**
  - Reason: Poor habit, poor condition, pest or disease problem, damage
- **Transplant**
  - Reason: Good habit, good condition, reasonably manageable size
- **Maintain**
  - Reason: Good habit, good condition, high value, very large size or difficult position
- **Maintain or Transplant**
  - Reason: Good habit, good condition, high value, may be difficult to transplant
TREE EVALUATION

- **Transplant**: Good habit, good condition, reasonably manageable size
- **Maintain**: Good habit, good condition, high value, very large size or difficult position
- **Maintain or Transplant**: Good habit, good condition, high value, may be difficult to transplant
**Tree Evaluation - Transplantation Costs**

<table>
<thead>
<tr>
<th>Transplant?</th>
<th>Reason</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recommended</td>
<td>easy and cost effective to transplant</td>
<td>$1,300</td>
</tr>
<tr>
<td>Possible</td>
<td>more difficult and expensive, would not recommend transplanting all of them</td>
<td>$70,500</td>
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<tr>
<td>Not Recommended</td>
<td>large size, difficult position, transplanting more expensive than it's worth</td>
<td>$60,000</td>
</tr>
</tbody>
</table>
**Structure**

**Tree Evaluation**

- **Maintain**: Good habit, good condition, high value, very large size or difficult position.
Maintain

Good habit, good condition, high value, very large size or difficult position
NEW WATER & STORM LINES
CONFLICTS WITH NEW UTILITIES

- Maintain
- Good habit, good condition, high value, very large size or difficult position
TREES TO BE PRESERVED