Quarry Park

100% Construction Documents
For Village Review
EXISTING CONDITIONS

08-01-2017 Quarry Park

EXISTING CHAINLINK FENCE
APPROX. WASTE FOOTPRINT
PROPERTY LINE
LIMIT OF WORK

DRAPER PARK
OLD CROTON AQUEDUCT
AQUEDUCT LANE
DIVISION ST
QUARRY ROAD TRAIL

N

Mathews Nielsen Landscape Architects, P.C.  SHERWOOD DESIGN ENGINEERS  ARCADIS
TREES REMOVAL: Along Old Croton Aqueduct

1) View Looking East from Old Croton Aqueduct

2) View Looking South within Property Line

3) View Looking South Outside Property Line

Will not be removing trees outside of property line along Old Croton Aqueduct.

Will be removing fence along Old Croton Aqueduct.
TREE REMOVAL: Within the Quarry

1) View Looking South

2) View Looking North

08-01-2017

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FENCE REMOVAL

1) Existing Fence Along Draper Park

Fence to Remain

Fence to be Removed

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PROPOSED CIRCULATION

EXISTING WOODED KNOLL
EXISTING WOODS

Old Croton Aqueduct
Quarry Park
Quarry Road Trial
Future Connections (not in scope)
PROPOSED ALTERNATES PLAN

ALT 1: Wood Bridge
ALT 2: Rose Thicket
ALT 3: Canopy Trees
ALT 3: Ornamental Trees

EXISTING WOODED KNOLL
EXISTING WOODS
OLD GROTON AQUEDUCT
PROPOSED PROGRAMMING

- 4 PERFORMERS
  - 100 VISITORS
- 3 PERFORMERS
  - 38 VISITORS
- 5 PIECE BAND + STAGE
  - 105 VISITORS
- 3 PERFORMERS
  - 64 VISITORS

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Waste Footprint

- Performer (Green)
- Visitor (Blue)
PROPOSED SECTIONS

Section 1

1) Filling the "pan handle" with approximately 4' of soil

Section 2
PROPOSED SECTIONS

Section 1

Section 2
PROPOSED DRAINAGE

- HDPE Pipe
- Direction of Water Flow
  + HP High Point
  + LP Low Point
  + Top of Small Landforms

Pipe Outlet
# PRELIMINARY COST ESTIMATE

**Estimate Summary Analysis**

Portion attributed as Closure Costs versus Site Amenities: 50% CD versus 100% CD

<table>
<thead>
<tr>
<th>Item Description</th>
<th>5/26/2017 Total Cost</th>
<th>7/27/2017 Total Cost</th>
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</thead>
<tbody>
<tr>
<td><strong>General Requirements</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Closure Items</td>
<td>$131,964</td>
<td>$221,387</td>
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<tr>
<td><strong>Removals</strong></td>
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<tr>
<td>Closure Item</td>
<td>$57,357</td>
<td>$57,357</td>
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<tr>
<td><strong>Closure Fill &amp; Grading</strong></td>
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<tr>
<td>Closure Item (see note 1)</td>
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<td><strong>Site Preparation</strong></td>
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<tr>
<td>Closure Item</td>
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<tr>
<td><strong>Planting</strong></td>
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<tr>
<td>Closure Item</td>
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<td>Amenity Item</td>
<td>$114,349</td>
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<td><strong>Pavement</strong></td>
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<tr>
<td>Closure Item</td>
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<td>$40,853</td>
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<td><strong>Site Improvements</strong></td>
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<td>Amenity Item</td>
<td>$18,199</td>
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<td><strong>Drainage/Infiltration</strong></td>
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<tr>
<td>Closure Item</td>
<td>$65,651</td>
<td>$47,212</td>
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Notes:
1) 2017 prices assume 300 BCY of fill has to go off site at cost of $102,670.
2) If not cost of that staying on site is $8,740 or savings of $93,930
3) 2017 estimates shift horticultural soils (previously shown in Amenity package) to Closure Package to facilitate future plantings.
## Preliminary Cost Estimate

**08-01-2017 Quarry Park**

### General Requirements
- **Closure Items**: $131,964
- **Removals**
  - **Closure Item**: $57,357
- **Closure Fill & Grading**
  - **Closure Item (see note 1)**: $824,947

### Site Preparation
- **Closure Item**: $136,591

### Planting
- **Closure Item**: $117,488
- **Amenity Item**: $114,349

### Pavement
- **Closure Item**: $39,253

### Site Improvements
- **Amenity Item**: $18,199

### Drainage/Infiltration
- **Closure Item**: $65,651

### Notes:
1. **2017 prices assume 300 BCY of fill has to go off site at cost of $102,670.** If not cost of that staying on site is $8,740 or savings of $93,930.
2. **2017 estimates shift horticultural soils (previously shown in Amenity package) to Closure Package to facilitate future plantings.**

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**Mathews Nielsen Landscape Architects, P.C.**

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**SHERWOOD**

**ARCADIS**
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<tr>
<th></th>
<th>5/26/2017</th>
<th>7/27/2017</th>
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<tbody>
<tr>
<td><strong>Closure Items</strong></td>
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<tr>
<td>8% General Conditions</td>
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<td><strong>Amenity Items</strong></td>
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<tr>
<td>8% General Conditions</td>
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<td><strong>Full Estimate</strong></td>
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CONSTRUCTION ENTRANCE

QUARRY PARK CONSTRUCTION ACCESS
FOR DISCUSSION ONLY
OPTION 1
Drive up Division Street.
Bridge OCA approximately 82’ LF

KEY: QUARRY PARK PROJECT
PROPERTY LINE
WAGNER HOMES
CHAINLINK FENCE TO REMAIN
OLD CROTON AQUEDUCT RIGHT OF WAY
PROPOSED CONSTRUCTION ENTRANCE
PROPOSED CONSTRUCTION ROUTE

NOTE: Plan is a schematic view of the Village of Hastings-on-Hudson roads with the Quarry Park survey information unavailable.

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08-01-2017  Quarry Park

CONSTRUCTION ENTRANCE

QUARRY PARK CONSTRUCTION ACCESS
FOR DISCUSSION ONLY
OPTION 2
Drive along Aqueduct Lane.
Bridge OCA approximately 124’ LF

KEY: QUARRY PARK PROJECT
PROPERTY LINE
WATER MAIN
CHAINLINK FENCE TO REMAIN
OLD CROTON AQUEDUCT RIGHT OF WAY
PROPOSED CONSTRUCTION ENTRANCE
PROPOSED CONSTRUCTION ROUTE

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