Restoration of the Belvedere
April 2017
History
VIEW OF THE GREAT RECEIVING RESERVOIR.

YORKVILLE, CITY OF NEW YORK.

Estimates for the construction of the reservoir were submitted to the board of the Park Commission. The reservoir was designed by the city engineer, J. C. Sanderson.

Extent extends from 104 to 105 Street.

South Division reservoir & City Works.

North Division reservoir & City Works.

Greatest Depth: 25 feet.

Estimate: 45,000.

Surface of Water: 21 acres.

Capacity: 100,000,000 gallons.

RECEIVING RESERVOIR
Modified design, constructed in 1871
The Belvedere and the Reservoir
Belvedere Castle, 1980
Existing Conditions
Inside castle, looking North
Belvedere Restoration
Design of NW pavilion as constructed in 1871
North facade, existing
North facade, proposed
South facade, existing
South facade, proposed
Progression of windows, first floor (W1)
Building elevations
Building elevations
1st floor windows (W1) existing & proposed
2nd floor windows (W2) existing & proposed
2nd & 3rd floor/tower windows (W3, W4, W5) existing & proposed
W1 EXISTING JAMB DETAIL

REILLY’S THERMALLY BROKEN STEEL JAMB DETAIL

HOPE’S THERMALLY BROKEN STEEL JAMB DETAIL
W1 EXISTING SECTION

OPTION 1: REILLY'S THERMALLY BROKEN PIVOT SECTION

OPTION 2: HOPE'S THERMALLY BROKEN PIVOT SECTION

W1 existing & proposed sections
W2 existing & proposed sections
Typical fixed window jamb detail analysis
TYPICAL EXISTING FIXED WINDOW SECTION

OPTION 1: REILLY’S THERMALLY BROKEN FIXED SECTION

OPTION 2: HOPE’S THERMALLY BROKEN FIXED SECTION

Typical fixed window existing & proposed sections
1st floor doors (D1) existing & proposed
Basement door (D2) existing & proposed
2nd floor terrace door (D3) existing & proposed
D1 EXISTING JAMB DETAIL

REILLY'S THERMALLY BROKEN DOOR JAMB DETAIL

HOPE'S THERMALLY BROKEN DOOR JAMB DETAIL
D1 EXISTING SECTION

OPTION 1: REILLY'S THERMALLY BROKEN DOOR SECTION

OPTION 2: HOPE'S THERMALLY BROKEN DOOR SECTION

D1 existing & proposed sections
Belvedere Access
Access points to the Belvedere

Belvedere Castle
ELEV. CHANGE 57 FT.

Belvedere Castle
ELEV. CHANGE 28 FT.
Inaccessible slopes

Inadequate space and inappropriate site for switchback ramp

Extremely steep slope

Inaccessible slope can be made accessible by cutting and regrading
Approach from east side
Approach from east side
Approach from east side
Approach from east side
Approach from east side
Ramp to main plaza
19th century view east from Vista Rock
Original approach to Belvedere from east side
RESERVOIR PROMENADE
LOVERS LANE

Proposed with 1871 overlay
Retaining wall added 1930s
ENHANCE PLANTING

ENHANCE PLANTING TO SCREEN WALL

EXISTING PLANTING WELL ESTABLISHED

22”
ENHANCE PLANTING

ENHANCE PLANTING TO SCREEN WALL

EXISTING PLANTING WELL ESTABLISHED
ENHANCE PLANTING TO SCREEN WALL

EXISTING PLANTING WELL ESTABLISHED
ENHANCE PLANTING TO SCREEN WALL

EXISTING PLANTING WELL ESTABLISHED
Section 7

EXTEND PLANTING MARGIN
Key Plan: Belvedere access views
View 1: Belvedere access from path intersection, existing
View 1: Belvedere access from path intersection, proposed
View 2: Belvedere access midway, existing grade
View 2: Belvedere access midway, proposed grade (+8')
View 2: Belvedere access midway, proposed
View 3: Approaching the Belvedere, existing grade
View 3: Approaching the Belvedere, proposed grade (+10')
View 3: Approaching the Belvedere, proposed
View 4: Looking back from the Belvedere, existing grade
View 4: Looking back from the Belvedere, proposed grade (+6’)

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View 4: Looking back from the Belvedere, proposed
Proposed Grade Change at Basement Entrance
View 1: From King Jagiello Monument, existing and proposed
View 2: From the Great Lawn, existing and proposed
The Belvedere Today and in 1880