

REHABILITATE LINCOLN MEMORIAL REFLECTING POOL AND GROUNDS

THE NATIONAL PARK SERVICE

WITH:

SASAKI ASSOCIATES, INC.

RTKL ASSOCIATES, INC.

ROBINSON & ASSOCIATES

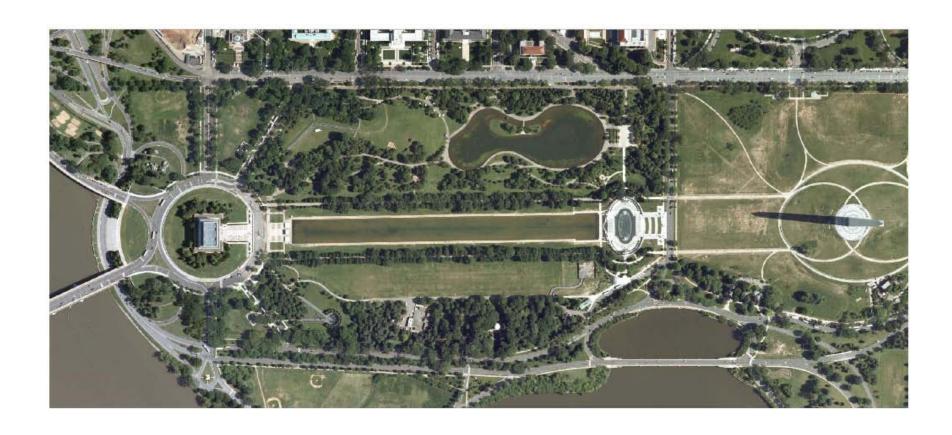
DELON HAMPTON & ASSOCIATES

PAUL WADDELOVE & ASSOCIATES, INC.

Section 106 Preparation Discussion

15 September 2008

pool water and filtration options



<u>Goals</u>

Reduce/Eliminate Pool Leakage Reduce Consumption of Potable City Water Improve Water Quality and Appearance

Potential Source for Fill and Makeup Water

Potomac River
Onsite Wells
Rainwater collection
City Potable Water Supply

Water Quality Improvement Options
Ultrasonic transducers
Continuous Flow from Potomac River
Circulation and Filtration System



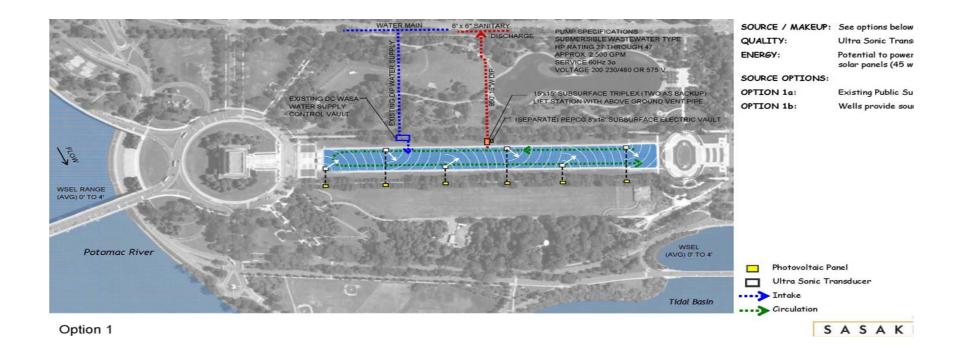








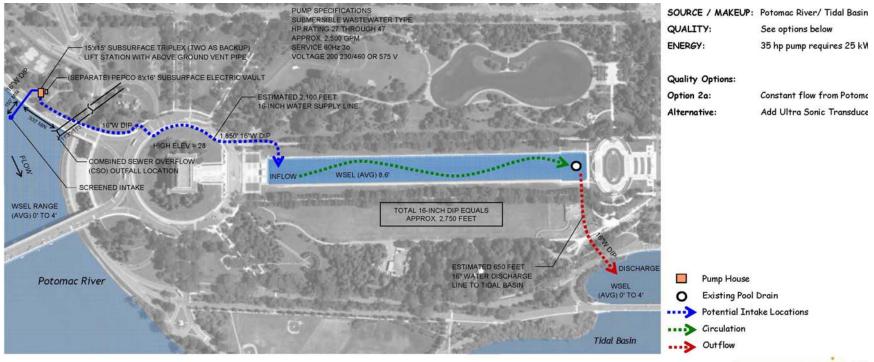




Ultra Sonic Transducers

Potential to power each unit with solar panels (45 watts)

Existing Public Supply Wells provide source/makeup water

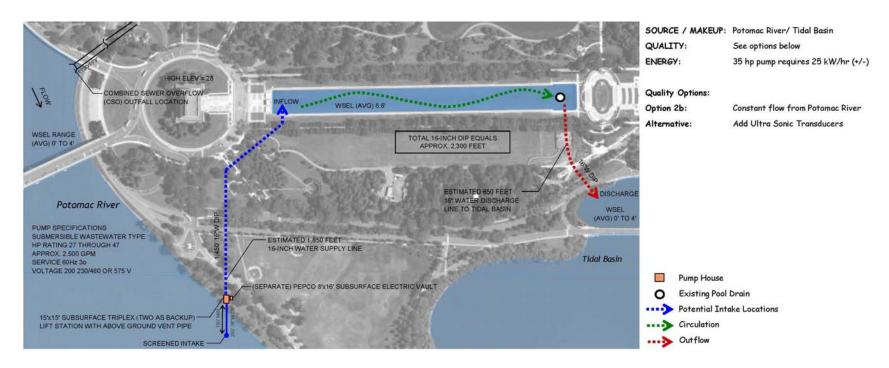


Option 2a

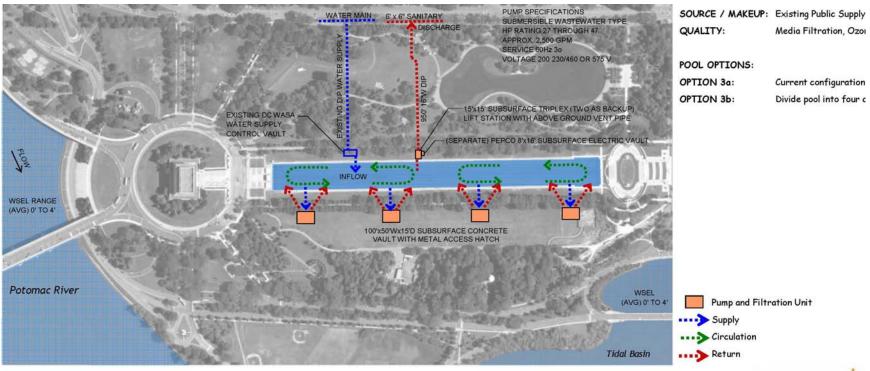
SASAKI

See options below 35 hp pump requires 25 kW/hr (+/-)

Constant flow from Potomac River Add Ultra Sonic Transducers

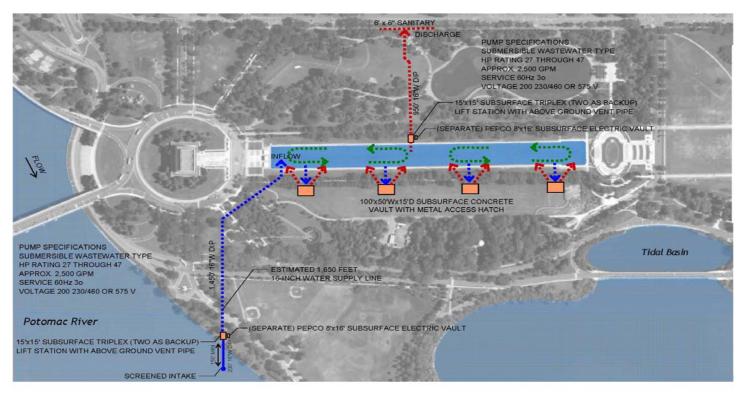


Option 2b



Option 3





Option 4

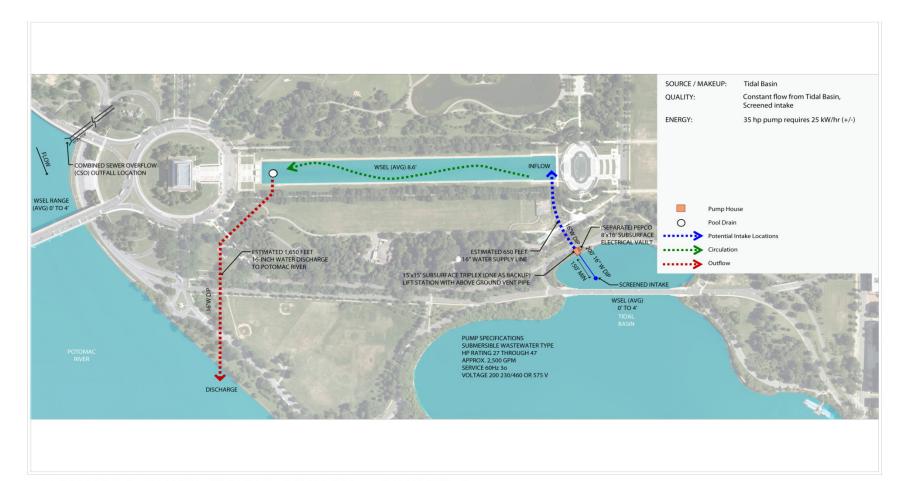
SOURCE / MAKEUP: Potomac River/ Tidal Basin

QUALITY: Media Filtration, Ozone

POOL OPTIONS: OPTION 4a: Current

configuration (one pool) OPTION 4b: Divide pool

into four cells



POTOMAC RIVER WATER SUPPLY - OPTION 5

REHABILITATE LINCOLN MEMORIAL REFLECTING POOL AND SURROUNDING AREA NATIONAL PARK SERVICE NATIONAL MALL 150274





JUNE 29, 2009

