

TRANSPORTATION



TRANSPORTATION RESOURCES INVESTIGATED

- Vehicular Traffic and Parking
 - During construction
 - Daily operations
 - Regattas
- Public/Georgetown University Transit Service
- Pedestrian and Bicycle Circulation
- River Navigation and Use

CONCLUSION OF ANALYSIS

- **CCT would be widened prior to construction of boathouse**
 - Temporarily separate the CCT from the construction access lane with a fence;
 - Provide flagmen to guide construction vehicles;
 - Construct during nighttime if necessary to keep CCT open during daytime.
- **Relocation of fence adjacent to WCC**
- **Access to the boathouse site for service, boat trailers and emergency vehicles**
 - Service deliveries anticipated to make 3 to 4 trips in a week, on weekdays between 9:30am and 3:00 pm
 - Boat trailers anticipated to make between 50 and 75 trips in a year
- **No parking would be provided at the boathouse**
- **River congestion would be reduced near the Thompson Boat Center**
- **New docks could interfere with the WCC practice and race courses**
 - Revise Potomac River Safety Committee's river guidelines through a cooperative process

NO ACTION ALTERNATIVE

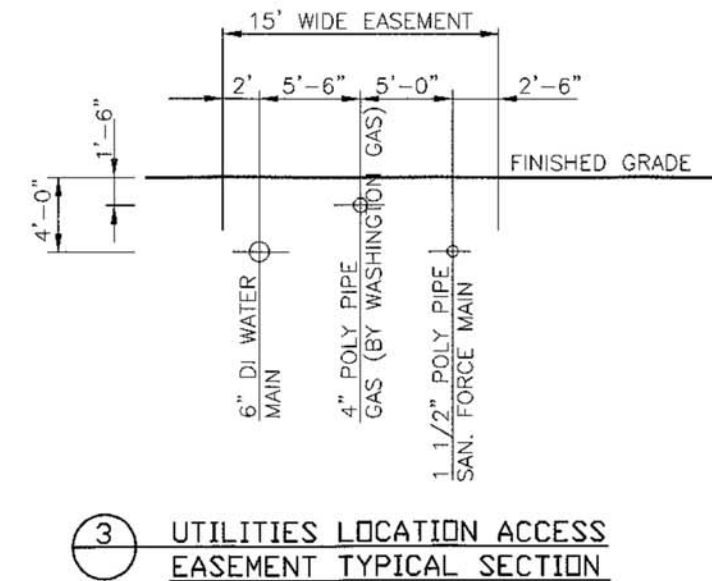
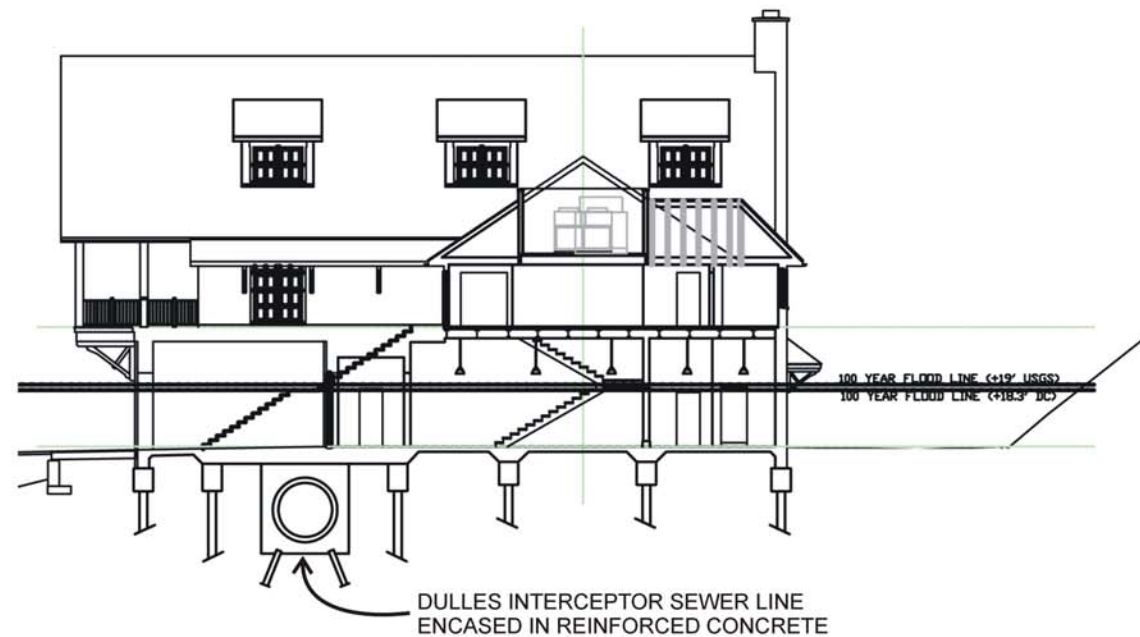
Impacts on CCT users if upstream site is developed



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PROPOSED GEORGETOWN BOATHOUSE Environmental Assessment

UTILITIES/INFRASTRUCTURE



UTILITY/INFRASTRUCTURE RESOURCES INVESTIGATED

- Stormwater Drainage and Stormwater Management
- Sanitary Sewer (including the Dulles Interceptor sewer line)
- Potable Water and Sewer Source
- Natural Gas
- Solid Waste Disposal

CONCLUSION OF ANALYSIS

- Utility systems exist in the area and have sufficient capacity to serve a boathouse. These would be extended to the boathouse below the University's easement along the CCT.
- Methods to control stormwater discharge and quality would include construction of an underground sand filter.
- Methods to avoid impacts to the Dulles Interceptor during construction and subsequent operation of a boathouse include encasing the sewer line in reinforced concrete (in coordination with DC Water & Sewer Authority)



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PROPOSED GEORGETOWN BOATHOUSE Environmental Assessment

WATER/BIOLOGICAL RESOURCES

WATER/BIOLOGICAL RESOURCES INVESTIGATED

- Water Resources
- Geology, Soils and Topography
- Terrestrial/Aquatic Vegetation and Wildlife
- Noise



CONCLUSION OF ANALYSIS

- According to a hydrological study, water surface elevations, velocities, and shear stresses of the river in flood conditions would not change at WCC and would change very slightly at the C&O Canal embankment.
- U.S. Army Corps of Engineers has determined that wetlands on the site are not federally regulated as these are caused due to leaks from the canal
- The boathouse would be located in a flood zone and would incorporate the following:
 - Openings that would allow water to move through the building during a flood event;
 - Placing mechanical and electrical equipment above the base flood elevation
- Minor impacts would result on other water resources including:
 - On water quality due to removal of the vegetative cover during construction;
 - Increase in stormwater run-off due to an increase in impervious surfaces (42% under Alternative A and C and 34% under Alternative B);
 - On groundwater due to potential disturbance to existing fill during construction.
- Minor impacts would result on the vegetative and wildlife resources including:
 - Removal of most on-site vegetation;
 - Construction of the dock that would remove some available space for potential growth of submerged aquatic vegetation (SAV), as well as remove potential habitat area for benthic invertebrates;
 - Removal of habitat area for birds and mammals.

NO ACTION ALTERNATIVE

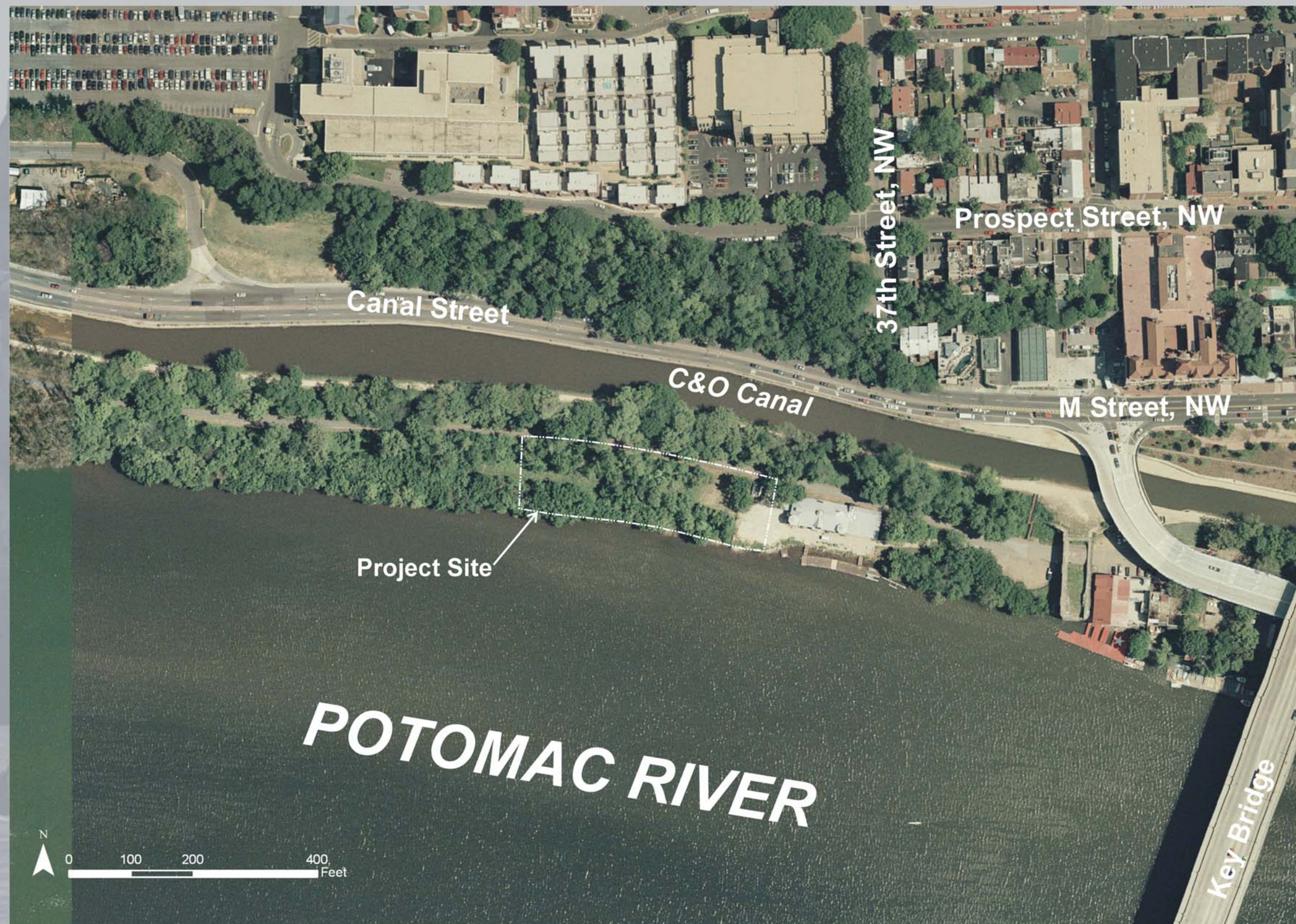
No change to current site; potential impacts on existing wetland, vegetation and wildlife if upstream site is developed



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PROPOSED GEORGETOWN BOATHOUSE Environmental Assessment

WATER/BIOLOGICAL RESOURCES



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**PROPOSED GEORGETOWN BOATHOUSE
Environmental Assessment**