

# **Ad Hoc Monitoring Group for Waterfront Construction**

December 7, 2015

# Update on “Action Items”

- Invite a representative from RTN
- RTN Haul Routes
- Invite ODBC member
- Proposed civil fines for Haul Route violations
- Haul Route signage



# Waterfront Projects Updates

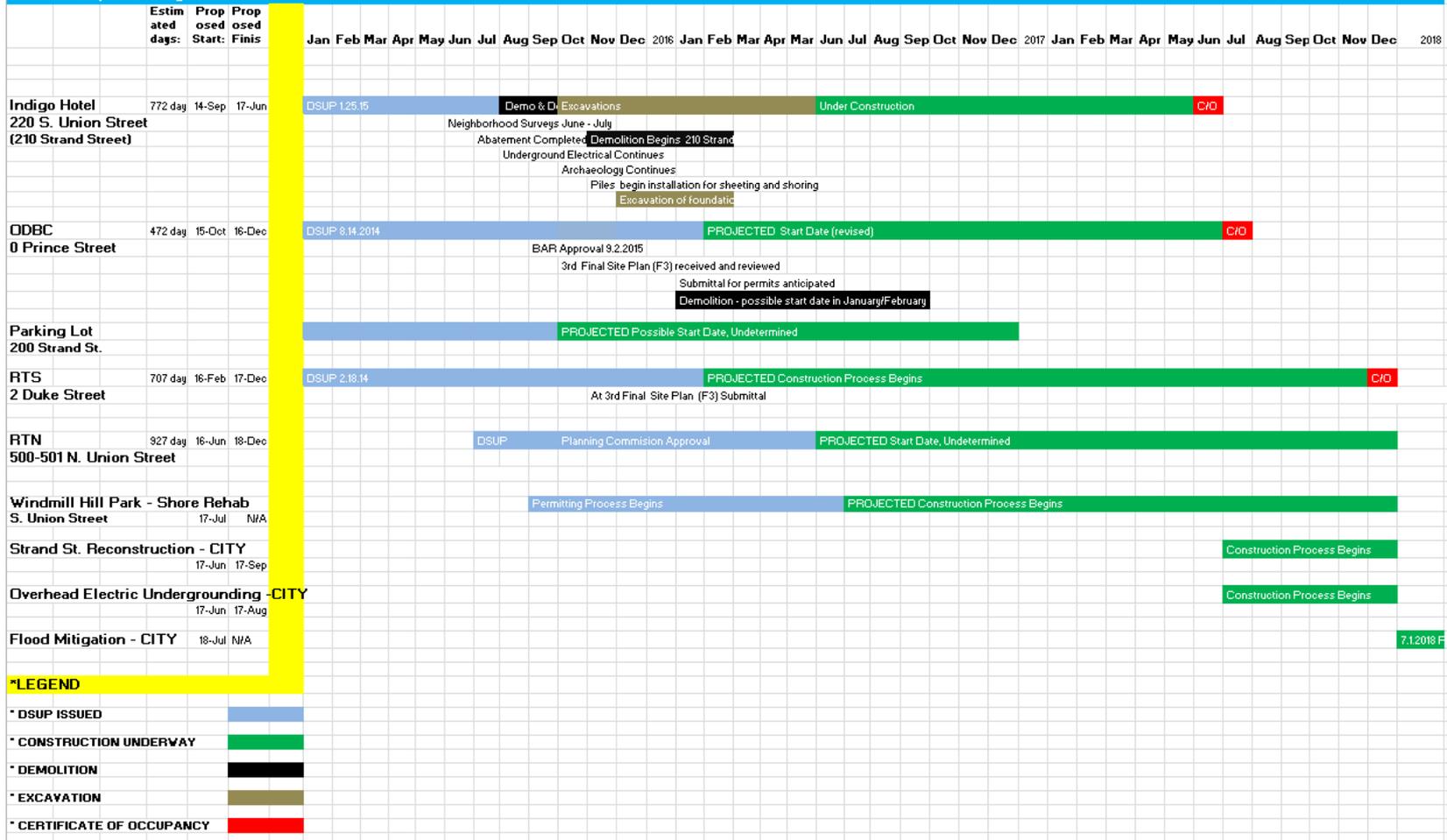
- Old Dominion Boat Club
- Robinson Terminal South
- Robinson Terminal North
- Windmill Hill Park Shoreline Rehabilitation
- Carr – Indigo Hotel



# Waterfront Projects Construction Schedule

Waterfront Construction Schedule  
Living Timeline as of December 4, 2015

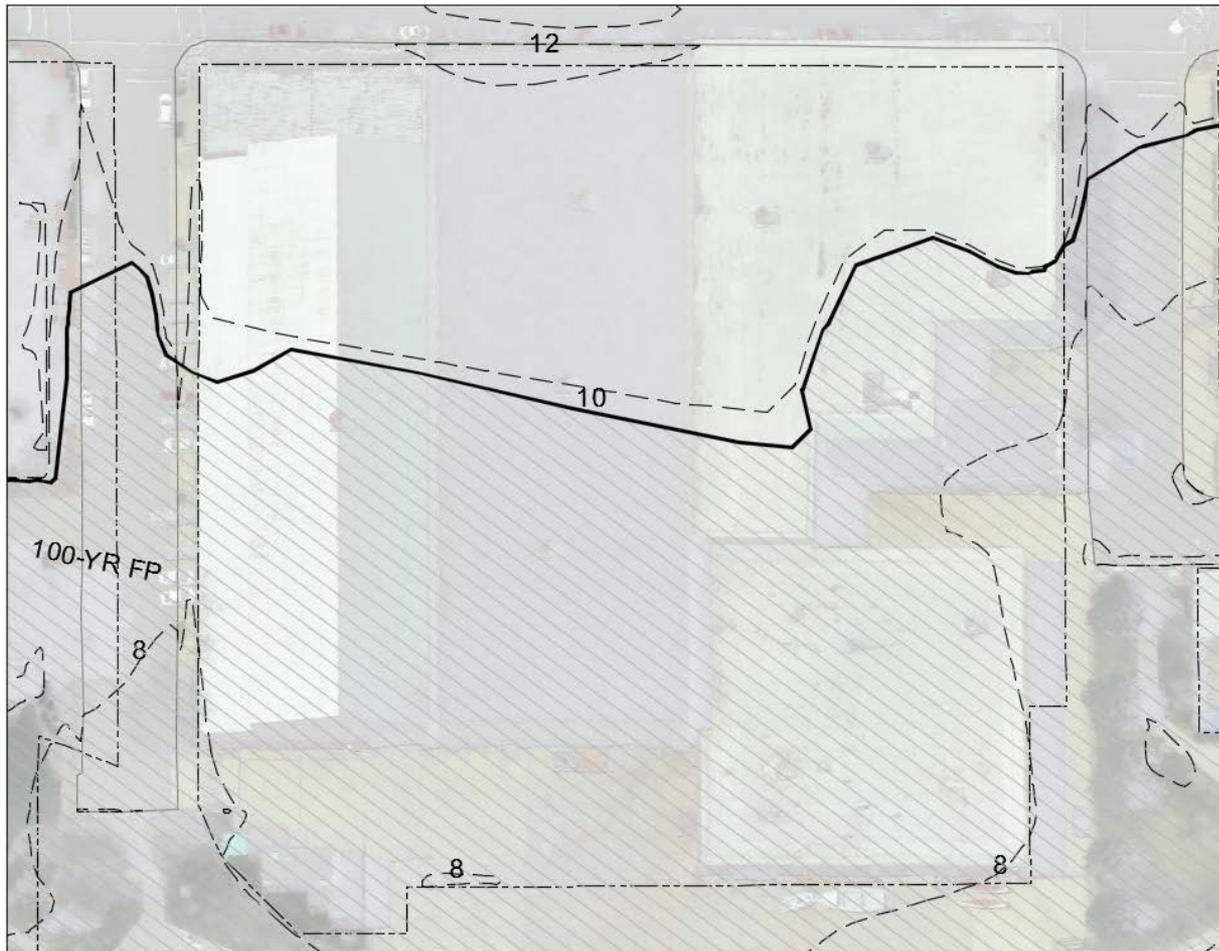
Schedule subject to change without notice



- \*LEGEND**
- \* DSUP ISSUED
  - \* CONSTRUCTION UNDERWAY
  - \* DEMOLITION
  - \* EXCAVATION
  - \* CERTIFICATE OF OCCUPANCY

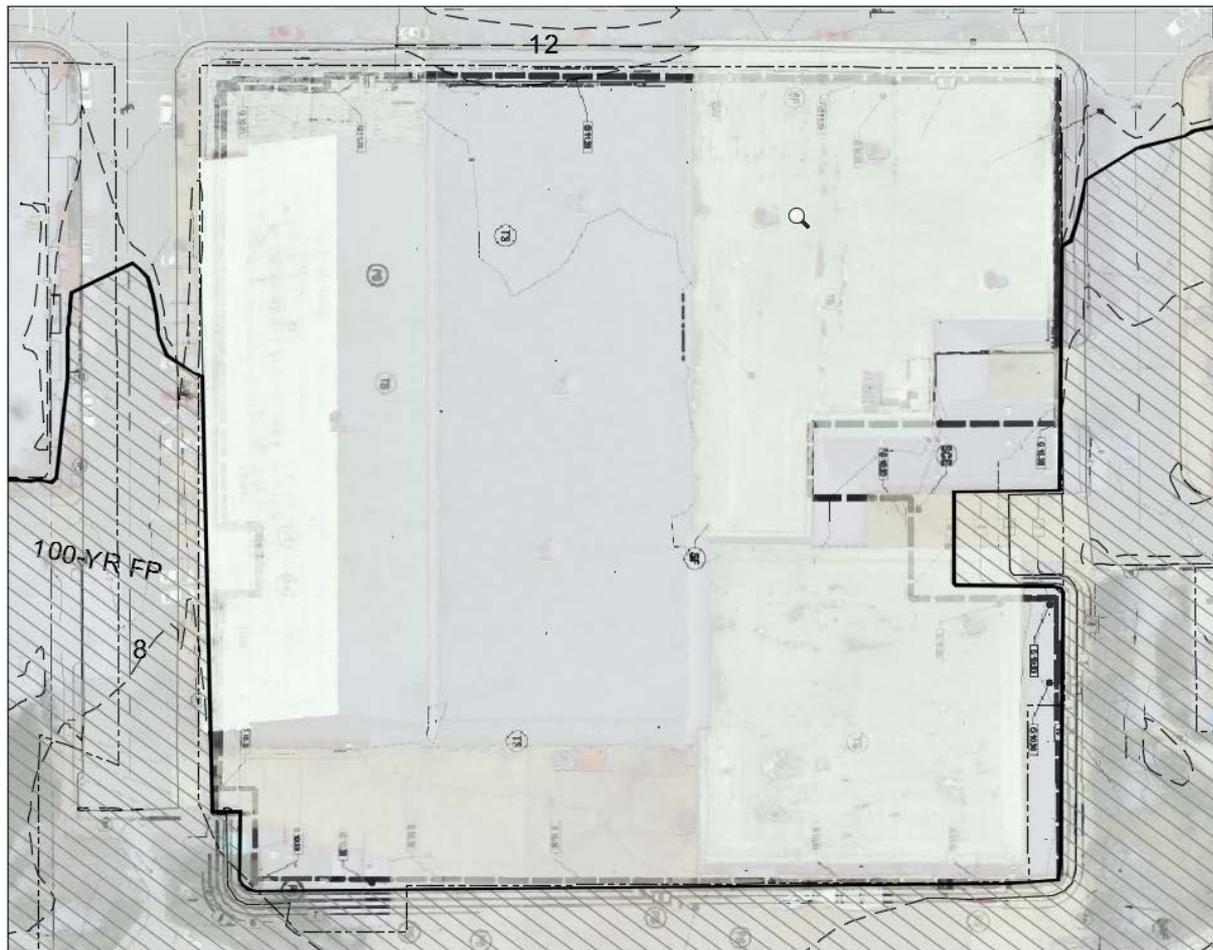
# Public Safety/Service Measures

- Floodplain Mapping Pre Development



# Public Safety/Service Measures

- Floodplain Mapping Post Development





# Handling/Managing Contaminated Materials

Robinson Terminal North (DSUP#2014-00007)  
Contaminated Land Conditions 135-139

1. Indicate if soil and groundwater contamination is present.
2. Design and install a vapor barrier and ventilation system for buildings and parking garages.
3. If the environmental assessments have discovered contamination onsite, the following must be submitted and approved before construction takes place:
  - a. Site Characterization Report
  - b. Risk Assessment
  - c. Remediation Plan
  - d. Health and Safety Plan signed and approved by **Certified Industrial Hygienist**
  - e. An onsite **Health and Safety Manager/Officer** must be present at all times during remediation.
  - f. Initial Air Monitoring
  - g. If past use is found to include a VDEQ high risk category site for potential sources of residual PCBs, the applicant shall screen for PCBs as part of the site characterization.

# Handling/Managing Contaminated Materials

## Robinson Terminal North (DSUP 2014-00007) Initial Site Characterization Reports

- **4 Site Investigations** (2006, 2008, 2013, 2014)
  - Sampling /Analysis
  - Inside/Outside of Terminal Buildings
    - 57 Soil Samples
    - 17 Groundwater Samples
- **Findings**
  - 3 x 8,000 gallon underground storage tanks
  - Stained Soils
  - Elevated levels of chemicals in analyzed samples
- **Constituents of Concerns**
  - Petroleum by-products in soil and groundwater
    - Organic chemicals
    - Lead
  - Pesticide/Fertilizer Constituents
    - Metals

# Lessons Learned

- Pile Driving



# Next Steps & Next Ad Hoc Monitoring Group Meeting

- Action Items
- Next Meeting-Waterfront Construction Monitoring Group: January 11<sup>th</sup> @ 5:30pm, Lee Center, Exhibit Hall



# Upcoming Waterfront Related Meetings

- Windmill Hill Park Shoreline Meeting:  
December 10<sup>th</sup> @ 6:30pm Sister Cities  
Conference Room
- Waterfront Commission Meeting:  
December 15<sup>th</sup> @ 7:30 am Sister Cities  
Conference Room
- South Waterfront Community Meeting:  
December 17<sup>th</sup> @ 9:30am In front of  
Potomac Riverboat Charters