



**220 South Union Street
Construction Update
May 7, 2015**

Abatement & Building Demolition

- 220 South Union Street & 210 The Strand
- Preconstruction Photos & Surveys – Late May through June 2015
- Asbestos Abatement – June 2015
 - 220 S. Union St.: Early June start, 2 week duration
 - 210 The Strand: Mid June start, 2 week duration
 - Non-friable materials
 - Door & Window Sealants
 - Glass
 - Roof Flashing
- Utility Undergrounding – June 2015 through September 2015
 - Ductbank: Mid June through August
 - Cabling & Pole Removal: Late August through September
- Building Demolition – July 2015
 - 210 The Strand: Early July start
 - Demolition Duration: 2 weeks
 - 220 S. Union St.: Late July start
 - Starts 5+/- weeks after the start of utilities and abatement
 - Work hours per City Ordinance
 - Demolition Duration: 3 weeks

Site Logistics & Utilization

*Demolition Phase & Construction of the Covered Pedestrian Walkway
(sidewalk re-opened each evening)*

June 2015 – August 2015

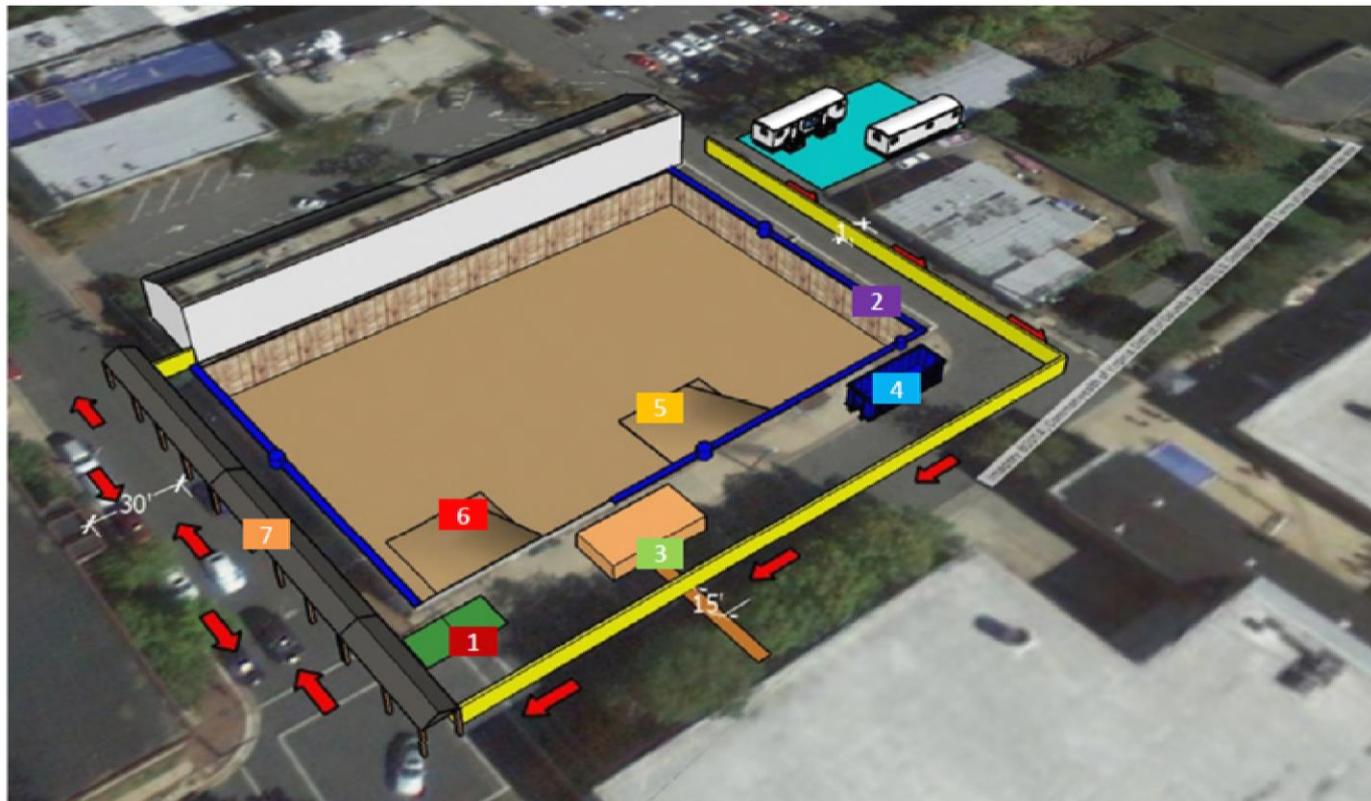


KEYNOTES

- 1** Construction Trailers
- 2** Construction Fencing
- 3** Staging area
- 4** Project Site Area
- 5** Sidewalk Closure
- 6** Pile Staging

Site Logistics & Utilization

Excavation, Sheet piling & Shoring, and Below Grade Structural Work



KEYNOTES

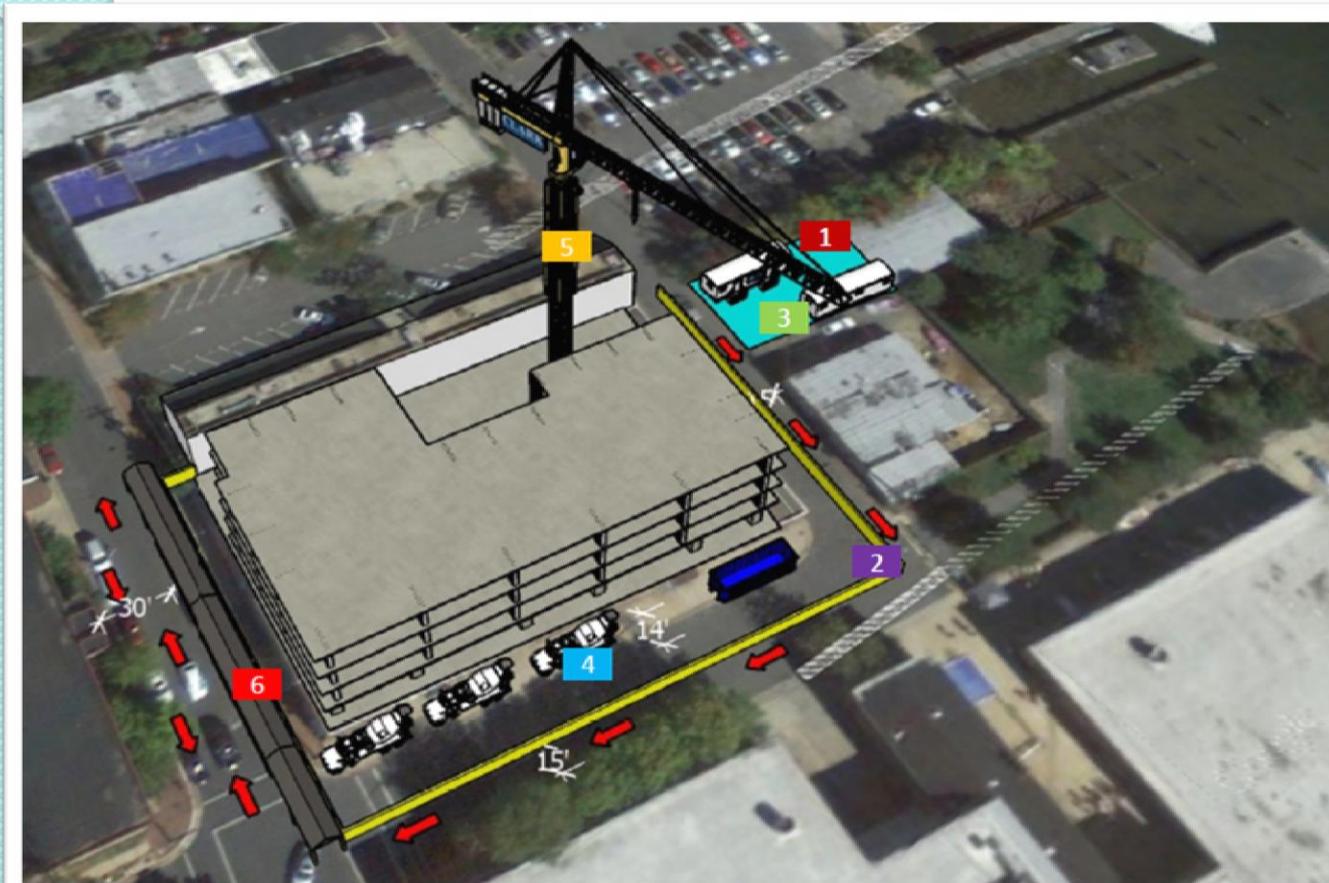
- 1 Wash Rack
- 2 Construction Fencing
- 3 Storm Water Vault and Line
- 4 Dumpster
- 5 Primary Ramp
- 6 Alternate Ramp
- 7 Covered Walkway

KEY

- ➔ Traffic Flow

Site Logistics & Utilization

Structure, Façade Construction & Sidewalk Phases



KEYNOTES

- 1 Construction Trailers
- 2 Construction Fencing
- 3 Staging Area
- 4 Truck Delivery
- 5 Tower Crane
- 6 Covered Walkway

KEY

- ➔ Traffic Flow

Undergrounding – Aerial Context



source: Bing.com

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Vehicles

Vehicle weights are restricted by Virginia DMV (the Motor Vehicle Code of Virginia).



Typical Dump Truck – A 3-axle truck (25 to 27 feet, typical 10 cy capacity) will be the typical size truck used. Approximate weights are:

- 14 tons empty
- 25 – 28 tons loaded (GVM).



Trash Truck – For comparison, a fully loaded 3-axle trash truck (typical 25 to 30 cy capacity) can weigh 25 to 30 tons (gross vehicle weight) depending on axle spacing. An empty truck of this size is approximately 14 tons.



Dash Bus – For comparison, a 40' bus in the City is approximately 16 tons empty, and approximately 20 tons full. A 29' trolley is approximately 11 tons empty and 13.5 tons when full.

Disposal

Disposal sites will be determined by the excavation contractor approximately 2 weeks prior to starting. However, the following sites are anticipated to receive the majority of material:

- [Lorton Landfill](#)
10001 Furnace Road, Lorton, VA
703.690.1525
- [Potomac Landfill](#)
3730 Greentree Lane, Dumfries, VA
703.690.6040

These same disposal sites are utilized by contracted disposal companies for the City of Alexandria and other local jurisdictions.

At certain phases, there could be 40 to 50 trips per day. No more than 2 trucks are expected at the site at a time with 1 in transit. All queuing of trucks will be outside of Old Town.

Tested soil at 220 S. Union is below regulatory limits for contaminated soil. Regardless, soils and groundwater will be tested during construction in compliance with the EPA and VA DEQ.