



WMC AMERICAN UNIVERSITY EAST CAMPUS  
SITE PLAN RENDERING  
05.13.2014

L01

# American University East Campus September 17 Community Meeting

# Agenda

Work completed & approvals secured (**7:00 - 7:10**)

Approved DDOT trucking routes & traffic control plan (**7:10 - 7:30**)

Construction management update (**7:30 – 7:45**)

6-month scheduled look-ahead (**7:45 - 8:00**)

Outstanding items: landscaping, home inspections (**8:00 - 8:10**)

Q & A (**8:10 - 8:30**)

# Work Completed & Approvals Secured

## **DDOT Tree Removal Permit Approved May 21, 2014**

- Trees transplanted to Westover buffer
- Trees removed from parking islands and building footprint
- Existing irrigation to maintain transplants repaired

## **DCRA Construction Trailer Permit Approved May 23, 2014**

- Construction trailers installed
- Temporary electrical to trailers installed

## **DCRA Construction Fence Permit Approved July 7, 2014**

- Site barricade and fencing installed

# Work Completed & Approvals Secured

## **DDOE Erosion and Sediment Control Plans Approved June 17, 2014**

- Sediment and Erosion Control measures in place

## **DCRA Sheeting and Shoring Permit Approved July 15, 2014**

- Piles started September 10, 2014

## **DC Water Temporary Discharge Permit Approved July 15, 2014**

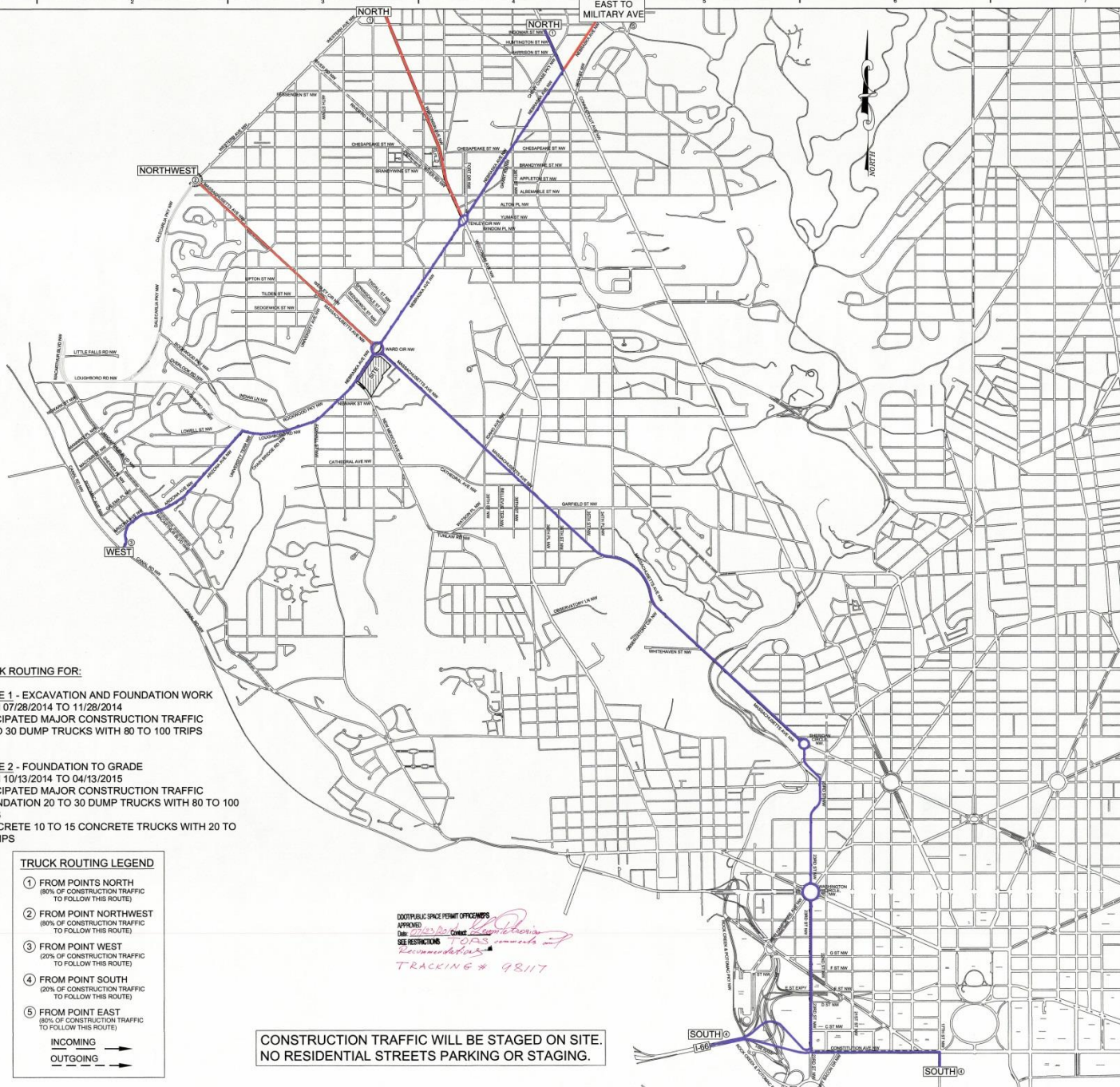
- to sanitary sewer manhole on Nebraska Avenue

## **DDOT Truck Routes & Traffic Control Plan Approved July 23, 2014**

- Traffic control signage in place

## **DCRA/DDOE Dewatering Well Permit Approved August 27, 2014**

## **DCRA Foundation to Grade Permit Approved September 12, 2014**



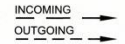
**TRUCK ROUTING FOR:**

**PHASE 1 - EXCAVATION AND FOUNDATION WORK**  
 FROM 07/29/2014 TO 11/28/2014  
 ANTICIPATED MAJOR CONSTRUCTION TRAFFIC  
 -20 TO 30 DUMP TRUCKS WITH 80 TO 100 TRIPS

**PHASE 2 - FOUNDATION TO GRADE**  
 FROM 10/13/2014 TO 04/13/2015  
 ANTICIPATED MAJOR CONSTRUCTION TRAFFIC  
 -FOUNDATION 20 TO 30 DUMP TRUCKS WITH 80 TO 100 TRIPS  
 -CONCRETE 10 TO 15 CONCRETE TRUCKS WITH 20 TO 40 TRIPS

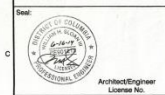
**TRUCK ROUTING LEGEND**

- 1 FROM POINTS NORTH (80% OF CONSTRUCTION TRAFFIC TO FOLLOW THIS ROUTE)
- 2 FROM POINT NORTHWEST (80% OF CONSTRUCTION TRAFFIC TO FOLLOW THIS ROUTE)
- 3 FROM POINT WEST (20% OF CONSTRUCTION TRAFFIC TO FOLLOW THIS ROUTE)
- 4 FROM POINT SOUTH (20% OF CONSTRUCTION TRAFFIC TO FOLLOW THIS ROUTE)
- 5 FROM POINT EAST (80% OF CONSTRUCTION TRAFFIC TO FOLLOW THIS ROUTE)



000PUBLIC SPACE PERMIT OFFICER'S APPROVAL  
 Date: 02/26/2015  
 See RESTRICTIONS CHECK TOOLS comments Recommendations  
 TRACKING # 98117

**CONSTRUCTION TRAFFIC WILL BE STAGED ON SITE.  
 NO RESIDENTIAL STREETS PARKING OR STAGING.**



Client: **AMERICAN UNIVERSITY**

Project: **AMERICAN UNIVERSITY EAST CAMPUS PROJECT**  
 ADDRESS:  
 3501 NEBRASKA AVENUE,  
 N.W. WASHINGTON, DC.

No.	Date	Issue/Revision

Designed By: S.P.T. Drawn By: S.P.T. Checked By: M.L.L.  
 Project No.: 10-057 Date: 09/16/14  
 Scale: SCALE: 1" = 750'

Sheet Title: **CONSTRUCTION TRUCK ROUTES**

Sheet No.: **C002**

# DDOT Approved Traffic Control Plan

- Trucking Hours: 7:30am – 4:00 pm (Monday-Friday)
- Nebraska Avenue: left-in / left-out (non-rush hour only)

# Trucking

- Site access at existing Nebraska & New Mexico Avenue curb cuts
- No truck traffic on neighborhood streets
- Flagmen at entrances
- Loading and unloading on site
- Construction traffic staged on site

# Construction Management

## Work hours

- Monday through Friday, 7:30 am – 4:00 pm

## Construction parking

- No residential neighborhood street parking allowed
- Onsite parking for workers
- Carpooling and shuttling for construction workers
- Metro rail and bus, AU shuttle
- Use of underground garage when available



# Construction Management

## Dust, debris and pest control

- Dust control measures
- Street cleaning
- Control of wind-blown debris
- Monitoring of job site perimeter, sidewalks and streets
- Pest control measures

# Construction Management

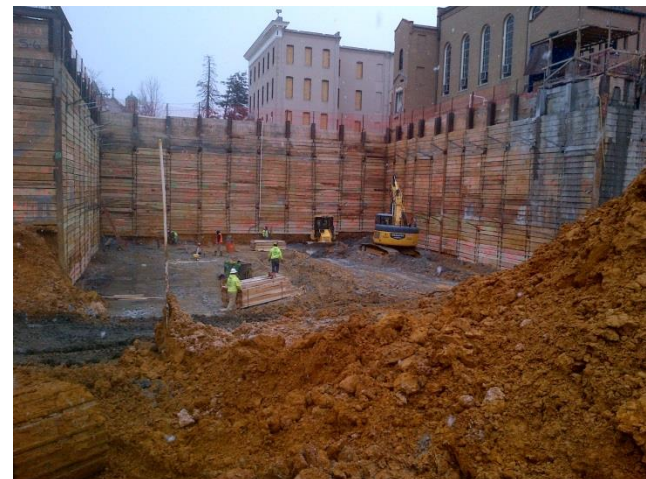
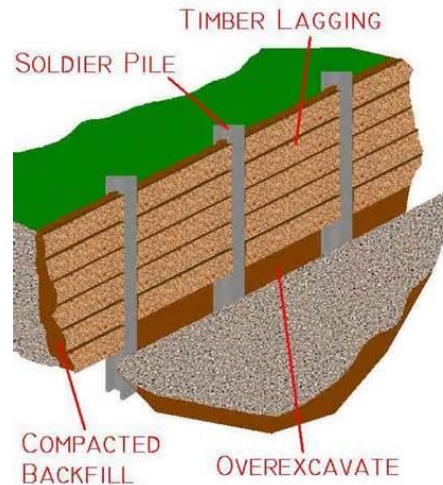
## East Campus Project Six Month Look-Ahead Schedule

East Campus Project Six Month Look-Ahead Schedule								
Phase	2014				2015		Anticipated Traffic	Anticipated Manpower
	September	October	November	December	January	February		
Sheeting and Shoring							3-5 trucks (weekly)	10 to 15
Dewatering System Installation							2 - 3 trucks (weekly)	5 to 10
Excavation							20-30 trucks; 80 -100 total trips (daily)	10 to 30
Foundations							20-30 trucks; 80 -100 total trips (daily)	10 to 30

# Construction Management

## Soldier Pile and Lagging System

- Retains earth outside the area of excavation
- Installation is completed in phases
  - Soldier pile installation
  - Excavation and lagging done concurrently in lifts to the bottom of the excavation
- System is abandoned in place upon completion and backfilling of foundations



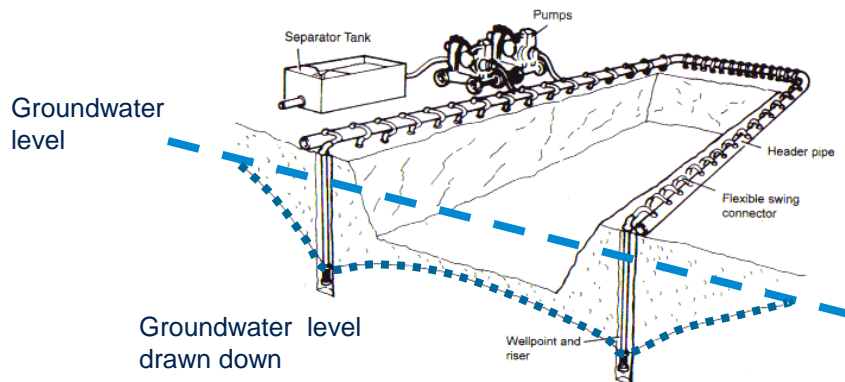
# Construction Management

## Dewatering System

- Draws groundwater level down to below target depth of excavation to keep the site clear of water
- A vacuum pump systems that
  - draws water down by a series of well points around the entire excavation drilled to below the target excavation depth
  - interconnected by a closed piping system
  - for processing through a settlement tank and testing before discharge



Typical Wellpoint System



# Construction Management

## Foundation to Grade

- Geopier system - holes are drilled into the ground, filled with gravel or crushed stone and compacted to desired density and bearing capacity
- Reinforced concrete caps or footings are poured on top on the piers
- Reinforced foundation walls or columns are then constructed on top of the concrete caps or footings
- Reinforced concrete decks are constructed on top of the columns and walls to the level of the plaza



# Skanska Onsite Team



**David Coleman**  
Project Executive



**Elias Bezabhe**  
Project Manager



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Q & A