

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. Contract Number	Page of Pages
2. Amendment/Modification Number		3. Effective Date	4. Requisition/Purchase Request No.	5. Solicitation Caption	
GF-2012-B-0038-003		February 16, 2012		Renovation of New Business School, Building 38	
6. Issued By:			7. Administered By (If other than line 6)		
Code			Code		
University of the District of Columbia Capital Procurement Division 4200 Connecticut Avenue, NW, Building 38, Room C03 Washington, DC 20008			University of the District of Columbia Capital Construction Division 4200 Connecticut Avenue, NW, Building 38, Room C03 Washington, DC 20008		
8. Name and Address of Contractor (No. Street, city, country, state and ZIP Code)				9A. Amendment of Solicitation No.	
				GF-2012-B-0038	
				X 9B. Dated (See Item 11)	
				February 3, 2012	
				10A. Modification of Contract/Order No.	
				10B. Dated (See Item 13)	
Code		Facility			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<p>The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning <u>1</u> copy of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or fax which includes a reference to the solicitation and amendment number. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or fax, provided each letter or telegram makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>					
12. Accounting and Appropriation Data (If Required)					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14					
A. This change order is issued pursuant to: (Specify Authority)					
The changes set forth in Item 14 are made in the contract/order no. in item 10A.					
B. The above numbered contract/order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) set forth in item 14, pursuant to the authority of 8 DCMR, Chapter 30, Section 3062.					
C. This supplemental agreement is entered into pursuant to authority of:					
D. Other (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copy to the issuing office.					
14. Description of amendment/modification (Organized by UCF Section headings, including solicitation/contract subject matter where feasible.)					
Solicitation No.: GF-2012-B-0038 for the Renovation of New Business School, Building 38 is hereby amended as follows:					
1) Flow Test Data and Fire Pump Calculations (Attachment A)					
2) <b>Question:</b> Drawing M100 referenced in Question 11 on Amendment No.: GF-2012-B-0038-002 was not included in Attachment C as indicated on Item 4 cover sheet of Amendment No.: GF-2012-B-0038-002.					
<b>Answer:</b> The existing conditions are not available for this location due to access at the building. The pumps shown on Level C serve units on Level A only. The pumps have been resized due to the reduction of the perimeter fin-tube system. At a minimum, we will be replacing the piping with the same size as currently used. The GPM for the unit should also be the same.					
3) All other Terms and Conditions remain the same.					
15A. Name and Title of Signer (Type or print)			16A. Name of Contracting Officer		
			Sherry Jones-Quashie		
15B. Name of Contractor		15C. Date Signed	16B. District of Columbia		16C. Date Signed
(Signature of person authorized to sign)			<i>Sherry Jones-Quashie</i>		2/16/12
			(Signature of Contracting Officer)		

# **ATTACHMENT A**

## **FLOW TEST DATA AND FIRE PUMP CALCULATIONS**

SPRINKLER DEMAND			
1	<b>Occupancy Hazard Classification:</b>	Light Hazard	Ordinary Hazard Group-I
2	Protection Area (Sprinkler Spacing) (sq. ft.):	225	
3	Remote Area (sq. ft.):	1500	
4	Density of Water Application (gpm/sq. ft.):	0.1	
5	Number of sprinklers required:	7	
6	Sprinkler K Factor:	5.6	
7	Elevation of Highest Sprinklers (ft.):	81	
8	Hose Stream Allowance (GPM):	100	
9	Remote Area Sprinkler Demand (GPM):	150	
10	Remote Sprinkler Demand (GPM):	22.5	
11	Remote Sprinkler Pressure (PSI):	16	
12	Elevation Pressure Loss (PSI):	35	
13	Pipe Frictional Loss (PSI):	20	
14	BFP Loss (PSI):	4	
15	Safety factor (PSI):	10	
16	Flow Test Result:		
	Static (PSI):	76	
	Residual (PSI):	68	
	Flow (GPM):	3492	
17	Flow Available at 20 PSI (GPM):	9988	
18	System Demand Flow (GPM):	250	
19	Source pr. available at system demand flow (PSI):	75	
20	System Pressure Required (PSI):	85	
21	Difference (PSI):	-10	
22	Pump Discharge Pressure (PSI):		
	Pump Flow (GPM):		
	Pump Power Requirement:		
STANDPIPE DEMAND			
1	<b>Stand Pipe Class Required:</b>		Class-1
2	Number of stand pipes Required:		4
3	Total stand pipe Demand (GPM):		1000
4	Residual Pr. required at top of the most remote standpipe:		65
5	Head loss due to elevation (PSI):		35
6	Assumed frictional loss in the system:		20
7	Pressure loss through BFP (PSI):		4
8	Safety Factor (PSI):		10
9	Required System Pressure (PSI):		134
10	Source Residual pressure available (PSI):		74
11	Difference (PSI):		60
22	Pump Discharge Pressure (PSI):		
	Pump Flow (GPM):		
	Pump Power Requirement:		
Jockey Pump shall be 110% of the Pressure and 2% Flow rate of the Fire pump Specification.			



# Department of Water Services

## Flow Test Report

Application Location: 4225 CONNECTICUT AVE NW  
 Reason for Application: Hydrant Flow Test for Developer  
 Pressure Zone/Reservoir Elev: 3rd HI/Ft Reno/416'-422'

Job No:  
 Application Received: 1/28/11  
 SO #: 11-42190

<b>Discharge Hydrant # 1</b>
Location: IN FRONT OF 2950 VAN NESS ST NW SouthSide
Asset #: H07581
Outlet Dia. (in.): <u>          2.5          </u>
Velocity Pressure: <u>          25          </u>
Rate (gpm): <u>          745          </u>
<b>Discharge Hydrant # 2</b>
Location: IN FRONT OF 2950 VAN NESS ST NW SouthSide
Asset #: H07581
Outlet Dia. (in.): <u>          2.5          </u>
Velocity Pressure: <u>          25          </u>
Rate (gpm): <u>          745          </u>
<b>Discharge Hydrant # 3</b>
Location: CONNECTICUT AVE BET WINDOM PL AND VEAZEY TER NW SEC - IFO 4309
Asset #: H03309
Outlet Dia. (in.): <u>          2.5          </u>
Velocity Pressure: <u>          180          </u>
Rate (gpm): <u>          2000          </u>

Total Flow (gpm):	3492
<b>Residual Hydrant</b>	
Location: VEAZEY TER INT CONNECTICUT AVE NW NEC	
Asset #: H08475	
FH Elevation (ft.):	<u>          256          </u>
Static Pressure (psi):	<u>          76          </u>
Residual Pressure (psi):	<u>          68          </u>
Pressure Loss (psi):	<u>          8          </u>
<b>Calculations</b>	
Reservoir Elevation (ft):	419
Minus FH Elevation (ft):	256
FH Water Level (ft.):	163
Divide By:	<u>          20          </u>
Theoretical FH Pressure (psi):	70

THEORETICAL HYDRANT PRESSURE = 70 psi FLOW AVAILABLE AT 20psi RESIDUAL = 9,988 gpm

Flow at 20psi is an APPROXIMATION only. Distribution system capacity in the future depends on: Demands / Pump Operation / Valve Positions / Water Main Deterioration / Water Main Breaks / Power Outages. WASA does not guarantee the availability of the above calculated flow at 20psi.

Test Performed By: Gary D. Satcher  
 Test Checked By: Gregory L. Pryor

Date of Test: 3/29/11 Time of Test: 11:00  
 Test Approved By: 