EXHIBIT H
Architectural Drawings, Elevations, & Context Photographs

DC PUBLIC SCHOOLS / THE GEORGE WASHINGTON UNIVERSITY
A CONSOLIDATED PLANNED UNIT DEVELOPMENT (PUD)

SQUARE 80, WASHINGTON DC  FRIDAY OCTOBER 6, 2006
Sheet Index

H.1 Cover Sheet
H.2 General Information
H.3 Civil Site Plan
H.4 Existing Conditions Plan
H.5 Erosion and Sediment Control Plan
H.6 Stormwater Concept Plan
H.7 Stormwater Concept Calculations
H.8 Utility Layout Plan
H.9 Combined Architectural Site Plan
H.10 Circulation Plan
H.11 Landscape Plan
H.12 GW Residence Hall - Typical Parking Level Plan
H.13 GW Residence Hall - Lower Level Plan
H.14 GW Residence Hall - First Floor Plan
H.15 GW Residence Hall - 2nd-6th Floor Plan
H.16 GW Residence Hall - 7th-9th Floor Plan
H.17 GW Residence Hall - 10th Floor Plan
H.18 GW Residence Hall - Roof Plan
H.19 School Without Walls, Cellar Plan
H.20 School Without Walls, First Floor Plan
H.21 School Without Walls, Second Floor Plan
H.22 School Without Walls, Third Floor Plan
H.23 School Without Walls, Fourth Floor Plan
H.24 School Without Walls, Roof Plan
H.25 Section AA
H.26 Section BB
H.27 Section CC
H.28 Section DD
H.29 F Street Elevation
H.30 F Street Elevation - Rendering
H.31 22nd Street Elevation
H.32 East Elevation
H.33 G Street Elevation
H.34 G Street Elevation - Rendering
H.35 View From F Street
H.36 Views from G Street
H.37 Site Context F Street
H.38 Site Context G Street

Project Team

The George Washington University
2121 Eye Street, NW
Washington DC 20052

DC Public Schools
825 North Capitol Street, NE
Washington, DC 20002

DMJM/CGS
3101 Wilson Blvd, Suite 900
Arlington, VA 22201

Ehrmantraut, Eckotek & Kahan Architects
888 16th Street NW, Suite B30
Washington, DC 20006

A. Moreen Thomas - CIVE
12750 Parklawn Parkway
Rockville, MD 20852

Golden Engineering - MEP
4455 Connecticut Ave, NW, Suite A610
Washington DC 20037

General Information

Square 80 PUD Submission
STORMWATER CONCEPTS

GWU RESIDENCE HALL & SCHOOL WITHOUT WALLS – SWM STUDY

1. COMPUTE Vw

- EMP "A"
- EMP "B"
- TOTAL
- UNITS

CONTRIBUTING AREA 0.56 0.48 1.04 Ac
IMPERVIOUS AREA 0.56 0.48 1.04 Ac

\[ Vw = \frac{1}{2} \times 1060 \]
\[ = 530 \text{ CF} \]

R x 4,356,000/12 = 1039 WHERE RUNOFF = 0.3" FOR ROOFS, SIDEWALKS, & PEDESTRIAN PLAZAS

2. COMPUTE DETENTION VOLUME (PEAK FLOW ATTENUATION)

2.1 2 YR. PRE-DEVELOPMENT

- C = 0.35
- Ia = 5.28 in/hr

\[ Qa = 0.35 \times 5.28 = 1.85 \text{ CFS} \]

2.2 15 YR. POST-DEVELOPMENT

- C = 0.00
- Ia = 7.50 in/hr

\[ Qa = 0.00 \times 7.50 = 0.00 \text{ CFS} \]

\[ V_{detention} = 1.85 \times 7.50 = 13.875 \text{ CF} \]

3. STORAGE PROVIDED

\[ V_{provided} = 13.875 \text{ CF} \]

\[ V_{total} = 13.875 + 1039 = 1152.875 \text{ CF} \]

The three-chamber underground sand filter is an option for providing Vp, where space or land prices are at a premium.

Stormwater Concept Calculations  date: 10.06.08  H.7

Square 80 PUD Submission