



LEED 2009 for New Construction and Major Renovation

Project Checklist

LEGEND: Y = YES; ? = MAYBE; N = NO



GWU School of Public Health

Design Development (6.25.09)

17 9 Sustainable Sites Possible Points: 26

Y	?	N			
Y			Prereq 1	Construction Activity Pollution Prevention	
1			Credit 1	Site Selection	1
5			Credit 2	Development Density and Community Connectivity	5
	1		Credit 3	Brownfield Redevelopment	1
6			Credit 4.1	Alternative Transportation—Public Transportation Access	6
	1		Credit 4.2	Alternative Transportation—Bicycle Storage and Changing Rooms	1
	3		Credit 4.3	Alternative Transportation—Low-Emitting and Fuel-Efficient Vehicles	3
2			Credit 4.4	Alternative Transportation—Parking Capacity	2
	1		Credit 5.1	Site Development—Protect or Restore Habitat	1
1			Credit 5.2	Site Development—Maximize Open Space	1
1			Credit 6.1	Stormwater Design—Quantity Control	1
	1		Credit 6.2	Stormwater Design—Quality Control	1
	1		Credit 7.1	Heat Island Effect—Non-roof	1
1			Credit 7.2	Heat Island Effect—Roof	1
	1		Credit 8	Light Pollution Reduction	1

5 5 Water Efficiency Possible Points: 10

Y			Prereq 1	Water Use Reduction—20% Reduction	
2	2		Credit 1	Water Efficient Landscaping	2 to 4
	2		Credit 2	Innovative Wastewater Technologies	2
3	1		Credit 3	Water Use Reduction	2 to 4

6 10 19 Energy and Atmosphere Possible Points: 35

Y			Prereq 1	Fundamental Commissioning of Building Energy Systems	
Y			Prereq 2	Minimum Energy Performance	
Y			Prereq 3	Fundamental Refrigerant Management	
4	2	13	Credit 1	Optimize Energy Performance	1 to 19
	1	6	Credit 2	On-Site Renewable Energy	1 to 7
2			Credit 3	Enhanced Commissioning	2
	2		Credit 4	Enhanced Refrigerant Management	2
	3		Credit 5	Measurement and Verification	3
	2		Credit 6	Green Power	2

4 5 5 Materials and Resources Possible Points: 14

Y			Prereq 1	Storage and Collection of Recyclables	
		3	Credit 1.1	Building Reuse—Maintain Existing Walls, Floors, and Roof	1 to 3
		1	Credit 1.2	Building Reuse—Maintain 50% of Interior Non-Structural Elements	1
2			Credit 2	Construction Waste Management	1 to 2
	1	1	Credit 3	Materials Reuse	1 to 2

Materials and Resources, Continued

Y	?	N			
1	1		Credit 4	Recycled Content	1 to 2
1	1		Credit 5	Regional Materials	1 to 2
	1		Credit 6	Rapidly Renewable Materials	1
	1		Credit 7	Certified Wood	1

8 5 2 Indoor Environmental Quality Possible Points: 15

Y			Prereq 1	Minimum Indoor Air Quality Performance	
Y			Prereq 2	Environmental Tobacco Smoke (ETS) Control	
1			Credit 1	Outdoor Air Delivery Monitoring	1
	1		Credit 2	Increased Ventilation	1
1			Credit 3.1	Construction IAQ Management Plan—During Construction	1
	1		Credit 3.2	Construction IAQ Management Plan—Before Occupancy	1
1			Credit 4.1	Low-Emitting Materials—Adhesives and Sealants	1
1			Credit 4.2	Low-Emitting Materials—Paints and Coatings	1
1			Credit 4.3	Low-Emitting Materials—Flooring Systems	1
	1		Credit 4.4	Low-Emitting Materials—Composite Wood and Agrifiber Products	1
1			Credit 5	Indoor Chemical and Pollutant Source Control	1
1			Credit 6.1	Controllability of Systems—Lighting	1
	1		Credit 6.2	Controllability of Systems—Thermal Comfort	1
	1		Credit 7.1	Thermal Comfort—Design	1
1			Credit 7.2	Thermal Comfort—Verification	1
		1	Credit 8.1	Daylight and Views—Daylight	1
		1	Credit 8.2	Daylight and Views—Views	1

3 3 Innovation and Design Process Possible Points: 6

1			Credit 1.1	Innovation in Design: Double Transit Ridership	1
1			Credit 1.2	Innovation in Design: Education Program	1
	1		Credit 1.3	Innovation in Design: Green Cleaning Program	1
	1		Credit 1.4	Innovation in Design: 70% Green Power	1
	1		Credit 1.5	Innovation in Design: Greenguard Certified Systems Furniture	1
1			Credit 2	LEED Accredited Professional	1

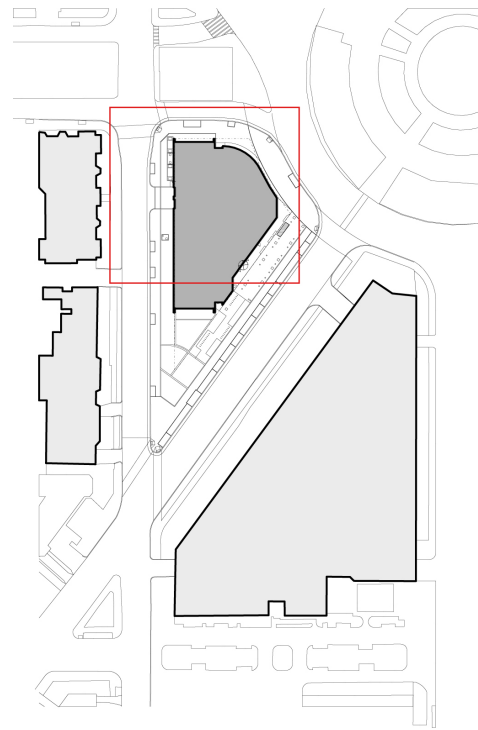
1 2 1 Regional Priority Credits Possible Points: 4

	1		Credit 1.1	Regional Priority: SSc5.1	1
1			Credit 1.2	Regional Priority: SSc6.1	1
	1		Credit 1.3	Regional Priority: EAc2 (1%)	1
		1	Credit 1.4	Regional Priority: WEc2, EAc1 (40%), MRc1.1 (75%)	1

44 39 27 Total Possible Points: 110

Certified 40 to 49 points Silver 50 to 59 points Gold 60 to 79 points Platinum 80 to 110

NOTE: THE 2007 FOGGY BOTTOM CAMPUS PLAN COMMITS GWU TO ACHIEVING THE EQUIVALENCY OF 16 POINTS, USING USGBC'S LEED V2.2 SCORECARD AS AN EVALUATOR OF THE SUSTAINABLE QUOTIENT OF A PROJECT. THIS SCORECARD REFLECTS GW'S ANTICIPATED GOAL OF SUBMITTING THIS PROJECT TO GBCI UNDER LEED-NC 2009 (V3.0) WITH A TARGET OF SILVER LEVEL CERTIFICATION.

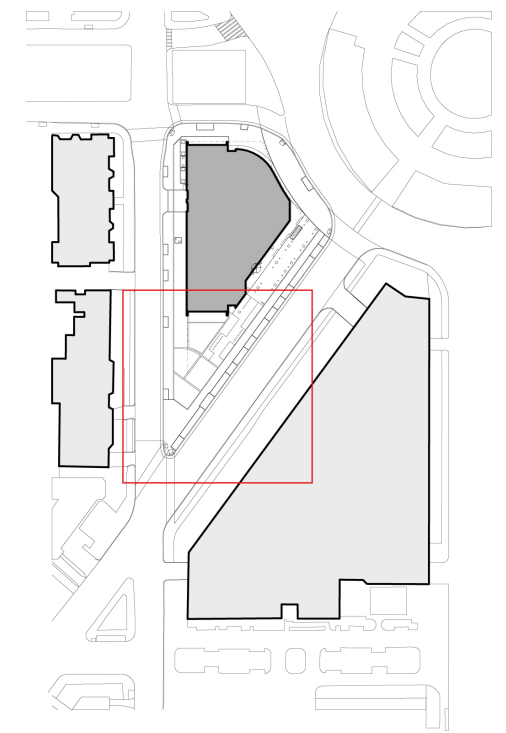


NOTE: PLANT SPECIES SELECTIONS IDENTIFIED ON THIS PLAN ARE SHOWN TO ILLUSTRATE DESIGN INTENT ONLY. THE PURPOSE IS TO GENERALLY DEFINE PLANT SIZE, CHARACTER, AND LOCATIONS. REFINEMENTS TO THE PLANTING DESIGN AND FINAL SELECTION OF ALL PLANT MATERIALS CONSISTENT WITH THE SPECIES SHOWN SHALL BE DEVELOPED DURING DETAILED PHASES OF WORK.

L.01



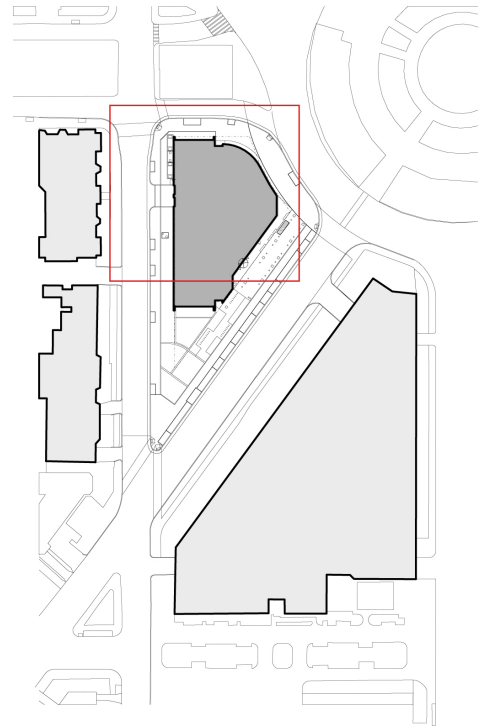
LANDSCAPE PLAN - NORTH



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LANDSCAPE PLAN - SOUTH

L.02



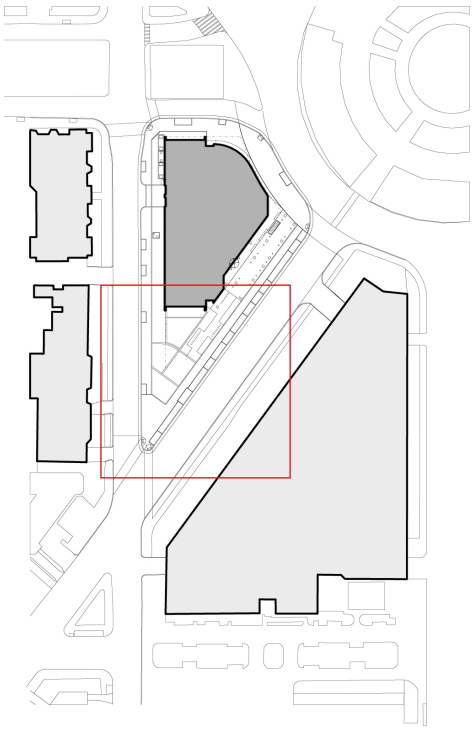
Plant List			
Common Name	Symbol	Botanical Name	Size
TREES			
Shademaster Honeylocust	GT	Existing Tree to Remain <i>Gleditsia triacanthos</i> <i>inermis</i> 'Shademaster'	4"- 4-1/2" cal
River Birch	BN	<i>Betula Nigra</i>	14'-16' ht
Willow Oak	QP	<i>Quercus phellos</i>	4"- 4-1/2" cal
Red Oak	QB	<i>Quercus borealis</i>	4"- 4-1/2" cal
Japanese Scholartree	SJ	<i>Sophora japonica</i>	4"- 4-1/2" cal
Emerald Vase Elm	UP	<i>Ulmus parviflora</i> 'Emerald Vase'	4"- 4-1/2" cal
SHRUBS			
American Beautyberry	CA	<i>Callicarpa americana</i>	2 gallon
Virginia Sweetspire	IV	<i>Itea virginica</i> 'Little Henry'	1 gallon
Wells Delight Creeping Blueberry	VC	<i>Vaccinium crassifolium</i> 'Wells Delight'	1 gallon
GROUND COVER			
Mayapple	PPE	<i>Podophyllum peltatum</i>	1 quart
Allegheny Spurge	PP	<i>Pachysandra procumbens</i>	1 quart

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PLANTING PLAN - NORTH

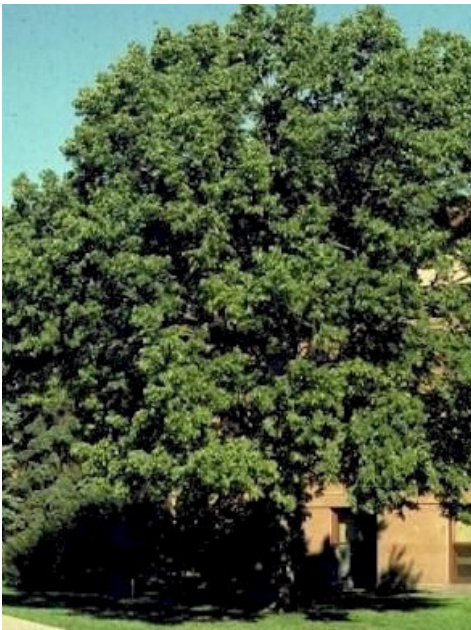




Plant List			
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PLANTING PLAN - SOUTH



EMERALD VASE ELM



RIVER BIRCH



VIRGINIA SWEETSPIRE

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Mayapple	PPE	Podophyllum peltatum	1 quart
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HONEY LOCUST (fall)



HONEY LOCUST



RED OAK (fall)



BENCH



BIKE RACK



TREE BOX FENCING



WASHINGTON GLOBE STREETLIGHT



TWIN 20 STREETLIGHT



TEAR DROP PENDANT STREETLIGHT



EMERGENCY CALL STATION

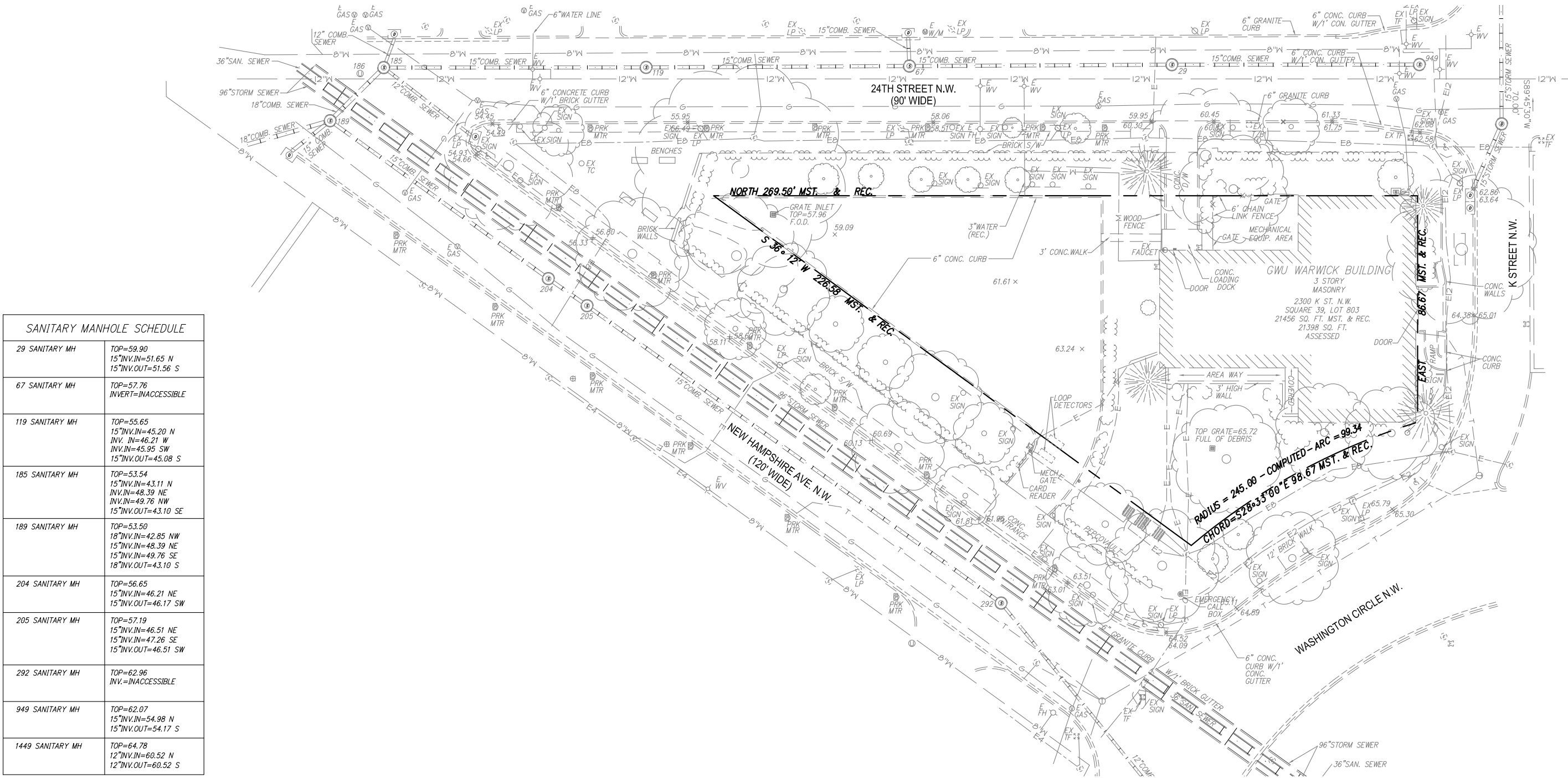
NOTE: STREETScape DETAILS ARE SHOWN IN CONCEPT FOR ILLUSTRATIVE PURPOSES. THE FINAL DETAILS OF THE STREETScape IMPROVEMENTS WILL CONFORM WITH THE APPROVED FOGGY BOTTOM CAMPUS STREETScape GUIDELINES AS WELL AS OTHER APPLICABLE DESIGN PERMITTING STANDARDS.

SITE FURNISHINGS

THE GEORGE WASHINGTON UNIVERSITY - School of Public Health and Health Services
Second-Stage PUD Application, Square 39
December 22, 2010

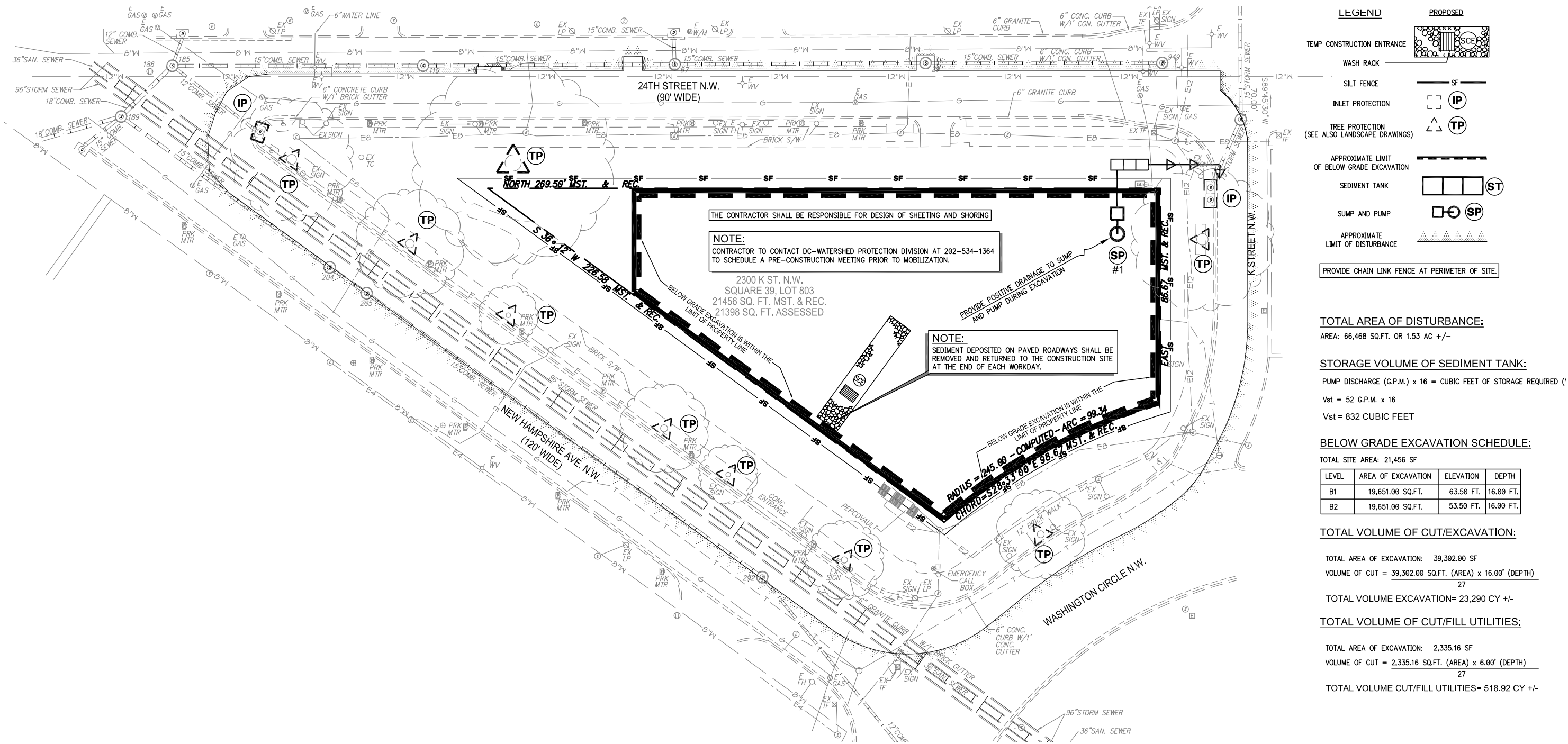
P A Y E T T E

AYERS
SAINT
GROSS



SANITARY MANHOLE SCHEDULE	
29 SANITARY MH	TOP=59.90 15" INV. IN=51.65 N 15" INV. OUT=51.56 S
67 SANITARY MH	TOP=57.76 INVERT=INACCESSIBLE
119 SANITARY MH	TOP=55.65 15" INV. IN=45.20 N 15" INV. IN=46.21 W 15" INV. IN=45.95 SW 15" INV. OUT=45.08 S
185 SANITARY MH	TOP=53.54 15" INV. IN=43.11 N 15" INV. IN=48.39 NE 15" INV. IN=49.76 NW 15" INV. OUT=43.10 SE
189 SANITARY MH	TOP=53.50 18" INV. IN=42.85 NW 15" INV. IN=48.39 NE 15" INV. IN=49.76 SE 18" INV. OUT=43.10 S
204 SANITARY MH	TOP=56.65 15" INV. IN=46.21 NE 15" INV. OUT=46.17 SW
205 SANITARY MH	TOP=57.19 15" INV. IN=46.51 NE 15" INV. IN=47.26 SE 15" INV. OUT=46.51 SW
292 SANITARY MH	TOP=62.96 INV.=INACCESSIBLE
949 SANITARY MH	TOP=62.07 15" INV. IN=54.98 N 15" INV. OUT=54.17 S
1449 SANITARY MH	TOP=64.78 12" INV. IN=60.52 N 12" INV. OUT=60.52 S





SEDIMENTATION AND EROSION CONTROL PLAN

