



ZONING COMMISSION
District of Columbia
CASE NO. 06-02
EXHIBIT NO. 18A





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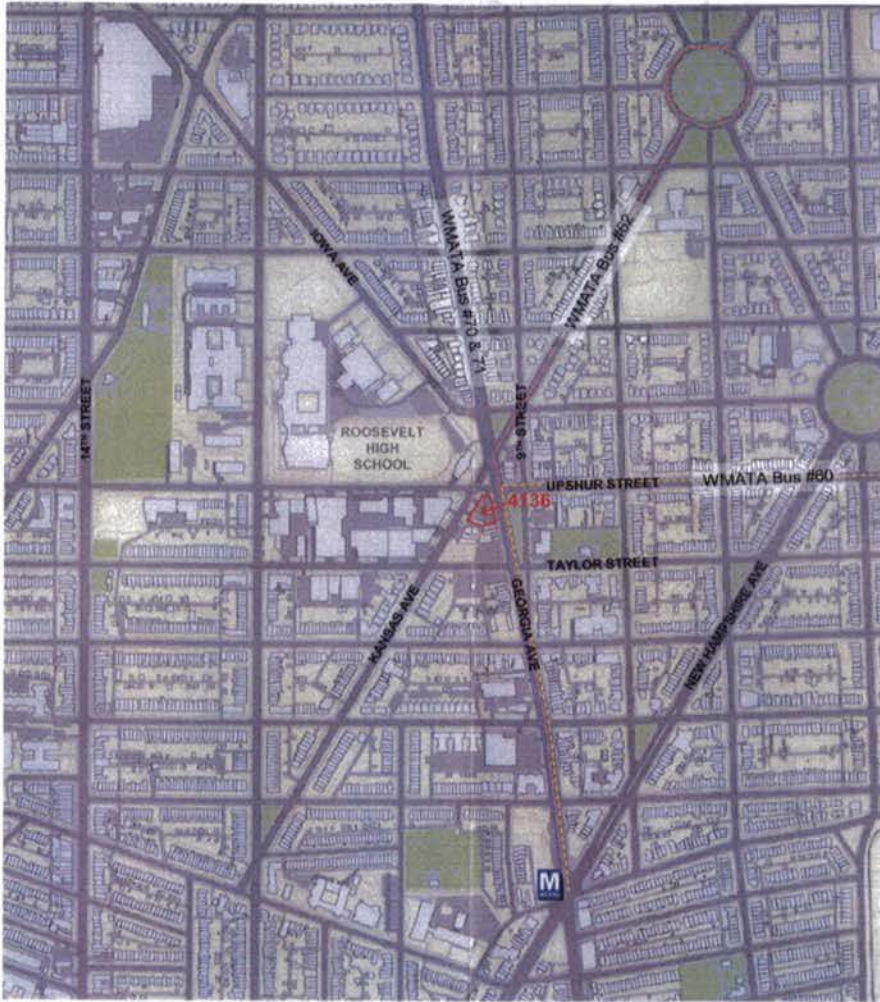


4136 GEORGIA AVENUE

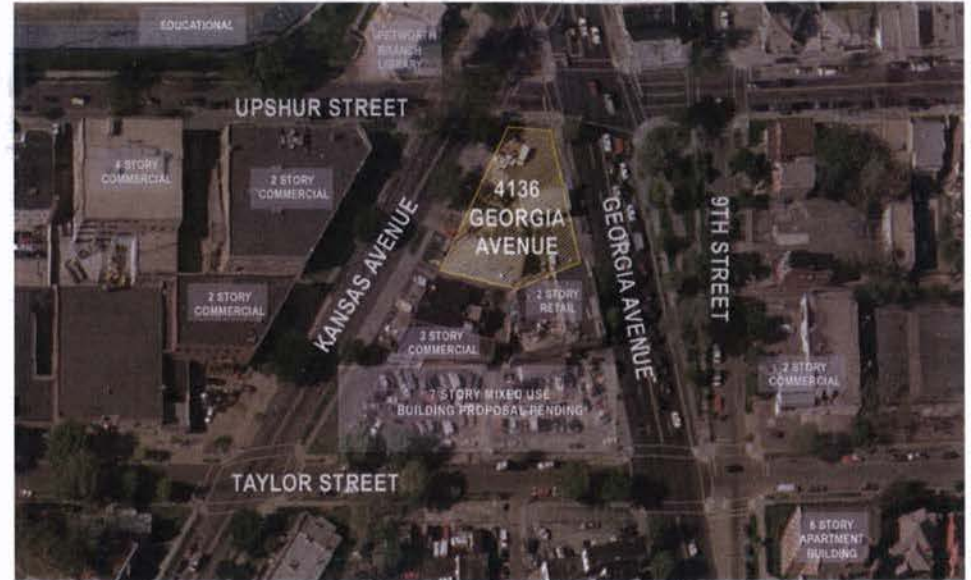
PLANNED UNIT DEVELOPMENT APPLICATION

6/22/2006





SITE CONTEXT PLAN



AERIAL SITE PLAN



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CONTEXT AND AERIAL SITE PLAN





1 GEORGIA AVENUE

SITE

KANSAS AVENUE



2

GEORGIA AVENUE

SITE



3

SITE

KANSAS AVENUE



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NEIGHBORHOOD PHOTOS





4

GEORGIA AVENUE

SITE

GEORGIA AVENUE



5

TAYLOR STREET



6

KANSAS AVENUE

TAYLOR STREET

KANSAS AVENUE

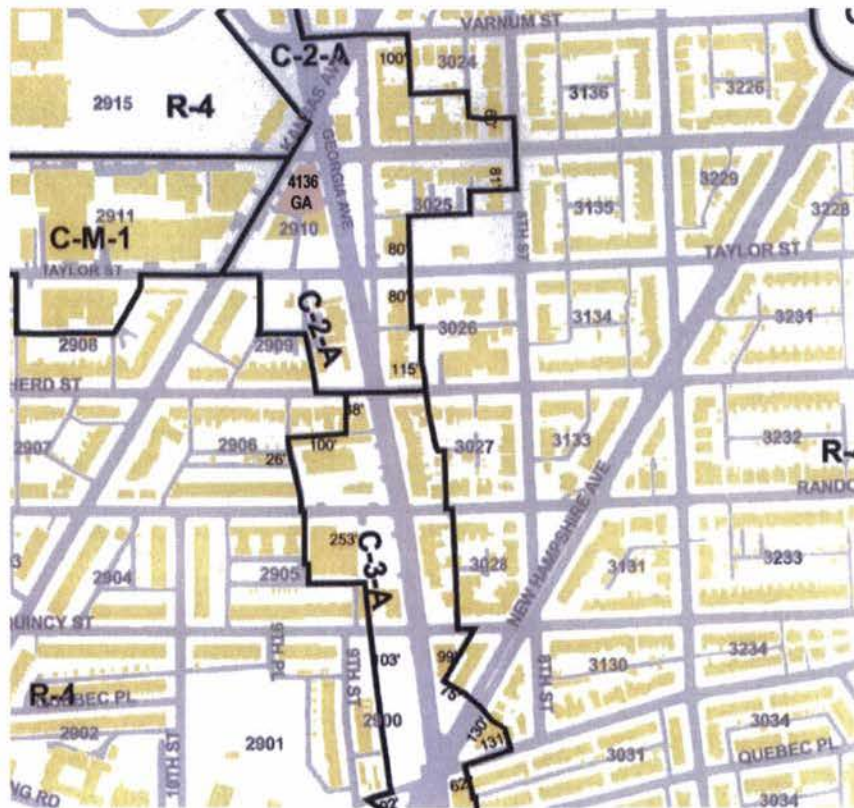


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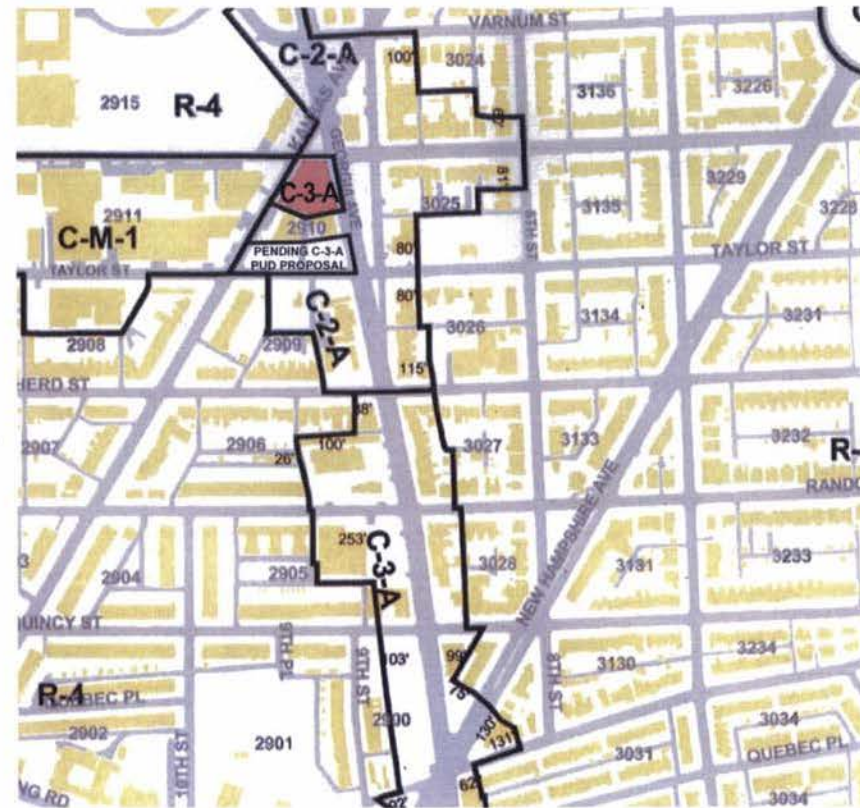
PLANNED UNIT DEVELOPMENT APPLICATION

NEIGHBORHOOD PHOTOS





EXISTING ZONING



PROPOSED ZONING



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PLANNED UNIT DEVELOPMENT APPLICATION

EXISTING AND PROPOSED ZONING



Building SF Breakdown	
	Gross Floor Area
Garage Level	
Ground Floor	8,623
Second Floor	8,423
Third Floor	8,423
Fourth Floor	8,276
Fifth Floor	8,276
Sixth Floor	8,205
Seventh Floor	7,769
Roof Penthouse	
Total Building SF	57,995

Zone C-3-A		Required	Actual	
Lot SF=			13,648.37	(Note 1)
Allowable lot coverage		75% of 13648.37	10236	63% of 13648.37 =8648 SF
Maximum Allowable Gross SF based on FAR 4.5			61,418	57,995
SF residential rec space (See Calcs Below)			7967 SF	7972
FAR C-2-A		Current	2.5	4.25 (Note 2)
FAR C-3-A (PUD)		Proposed	4.5	4.25 (Note 2)
FAR INCREASE			2.0	
Max Building Height			90' Max	75'-0"
# Floors				7
# Units				57 plus 3 retail units
Setbacks				
Rear Req'd	75'x 2.5" per ft high measured from center of Kansas Ave.	18.75'		56'-0"
Side Req'd	If provided 75'x 2" per ft high	15'		23'-0"
Loading				
Loading Berth>50 units		1 @ 55' deep	1 @ 30'-0" deep, requesting waiver	
Loading Dock		12' min. width	22'-0" width	
Loading Platform		200SF	231 SF	
Parking				
Residential	1 space per 2 residential units	57 units	29 spaces	30 Spaces
Commercial	1 space for ea 300 SF exceeding 3,000 SF	4884 SF -3000= 1884/300=	6 Spaces	7 Spaces
Total Spaces Required			35 Spaces	22 on site
				15 in public space
				37 total parking spaces provided
Recreation Area		15% Gross Residential Floor Area	15% (53,111 SF) 7967 SF	15% (53,111 SF) 7972 SF
		Party Room, Fitness Rm and Lobby		3092
		Rooftop Rec. Area		4880
		Total Actual Rec Space=		7972
Note 1: This is the estimated size of the lot after the portion of the closed alley reverts to Lot 40. The current size of the lot is 13,142.87 sf				
Note 2: The FAR before the alley closing is 4.41, but is estimated to be 4.25 after the portion of the closed alley reverts to Lot 40.				



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PLANNED UNIT DEVELOPMENT APPLICATION

ZONING ANALYSIS

6/22/2006



CONDOMINIUMS	UNIT	CONDO SIZE	BUILDING
MATRIX	DESCRIPTION		TOTAL
Unit Number		s.f.	Units/Level
101	Retail	1,855	1
102	Retail	1,194	1
103	Retail	1,835	1
Sub total		4,884	3
201	2BR.	972	1
202	Studio	430	1
203	1BR.	831	1
204	1BR.	807	1
205	1BR. Junior	673	1
206	1BR. Junior	628	1
207	1BR.	785	1
208	1BR.	789	1
209	Studio	432	1
210* (Moderate to Low Income Unit)	2BR. Deluxe	1,317	1
Sub total		7,664	10
301	2BR.	972	1
302	Studio	430	1
303	1BR.	831	1
304	1BR.	807	1
305	1BR. Junior	673	1
306	1BR. Junior	628	1
307	1BR.	785	1
308	1BR.	789	1
309	Studio	432	1
310	2BR. Deluxe	1,317	1
Sub total		7,664	10
401	2BR.	972	1
402	Studio	430	1
403	1BR.	831	1
404* (Moderate to Low Income Unit)	1BR.	807	1
405	1BR. Junior	661	1
406	1BR. Junior	648	1
407	1BR.	790	1
408	1BR.	791	1
409	Studio	432	1
410	2BR. Deluxe	1,170	1
Sub total		7,532	10

501	2BR.	972	1
502	Studio	430	1
503* (Moderate to Low Income Unit)	1BR.	831	1
504	1BR.	807	1
505	1BR. Junior	661	1
506	1BR. Junior	648	1
507	1BR.	790	1
508	1BR.	791	1
509	Studio	432	1
510	2BR. Deluxe	1,170	1
Sub total		7,532	10
601	2BR.	800	1
602	Studio	430	1
603	1BR.	727	1
604	1BR.	974	1
605	2BR.	978	1
606	Studio	403	1
607	1BR.	682	1
608	Studio	432	1
609* (Moderate to Low Income Unit)	2BR.	922	1
Sub total		6,348	9
701	2BR.	800	1
702	Studio	430	1
703	1BR.	727	1
704	1BR.	974	1
705	2BR.	978	1
706	Studio	403	1
707	1BR.	682	1
708	2BR.	981	1
Sub total		5,975	8
Total Sellable SF		47,599	60
Compact Parking Space			10
Standard Parking Spaces			27
Total Parking Spaces			37



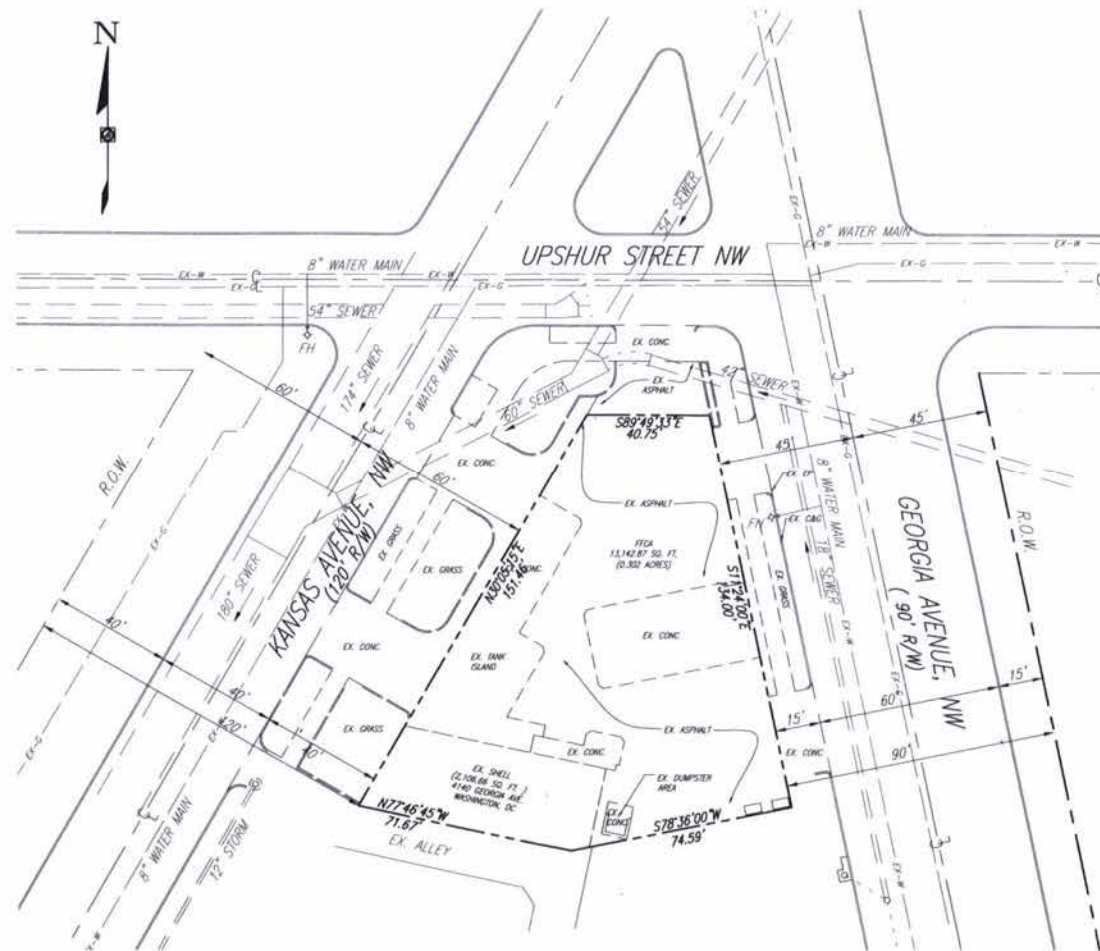
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PLANNED UNIT DEVELOPMENT APPLICATION

DEVELOPMENT AREA TABULATION

6/13/2006





- NOTES:
1. SURVEY MERIDIAN FROM PREVIOUS PROPERTY SURVEYS.
 2. BEARINGS DERIVED FROM PREVIOUS SURVEYS.
 3. NOTICE: FROM INSPECTION ON THE SITE THERE ARE NO CEMETERIES OR BURIAL GROUNDS LOCATED WITHIN THE TRACT AREA.
 4. THE SITE HAS ACCESS TO KANSAS AVENUE, UPSHUR STREET N.W. AND GEORGIA AVENUE, WHICH RIGHT-OF-WAY LINE EXTENDS TO THE PROPERTY LINE AT THE POINT OF ACCESS INDICATED HEREON.
 5. THERE ARE NO STRIPPED PARKING SPACES ON THE SITE, INCLUDES 0 HANDICAPPED SPACES, HOWEVER THERE IS SUFFICIENT PAVED AREA ON SITE TO ALLOW PARKING FOR 13 VEHICLES. DISTRICT REQUIRES 1 SPACE PER 300 SQUARE FEET OF GROSS FLOOR AREA. THEREFORE, $2,106.86/300 = 7$ SPACES REQUIRED.
 6. ALL DIMENSIONS ARE IN ALTA/ACSM REQUIREMENT DIMENSIONS.
 7. ZONING INFORMATION DERIVED FROM THE DISTRICT OF COLUMBIA ZONING ORDINANCE DATED JULY 1995. CURRENT ZONING ALLOWS FOR THE CURRENT USE.
 8. THIS PLAN HAS BEEN PREPARED FOR TITLE PURPOSES ONLY.
 9. GROSS BUILDING AREA = 2,106.86 SQUARE FEET
 10. EXISTING BUILDING HEIGHT = 1 STORY
 11. TOTAL LOT AREA = 13,142.87 SQUARE FEET (0.302 ACRES)
 12. BUILDING COVERAGE ON LOT = 18%
 13. THERE ARE NO ENCROACHMENTS EITHER ONTO OR OFF OF THIS SITE.

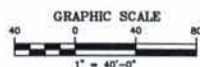


VICINITY MAP
NTS



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PLANNED UNIT DEVELOPMENT APPLICATION



EXISTING CONDITIONS PLAN
SCALE: 1" = 40'

SHEET TITLE:

EXISTING CONDITIONS
PLAN



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CIVIL, STRUCTURAL & GEOTECHNICAL ENGINEERING

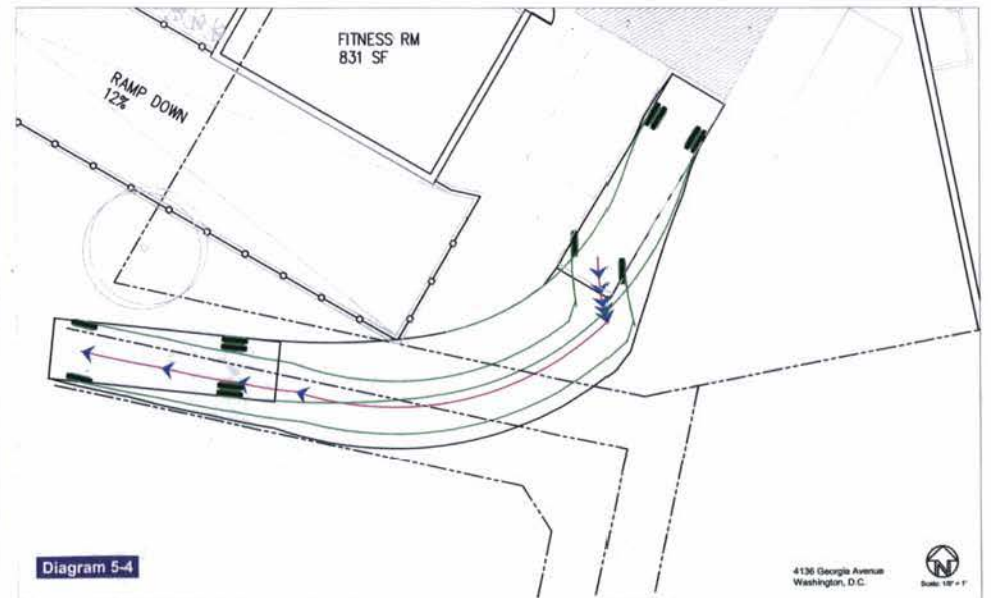
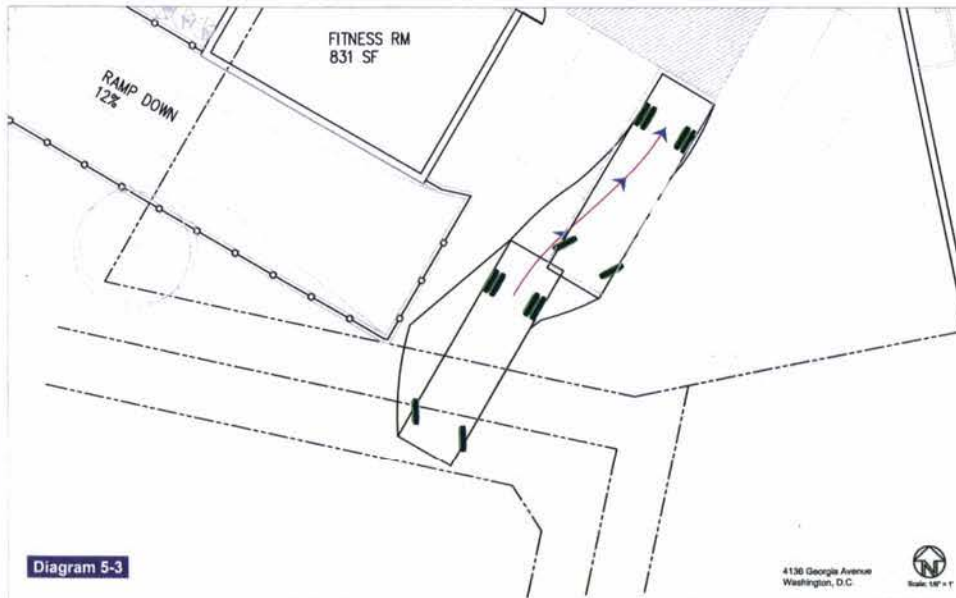
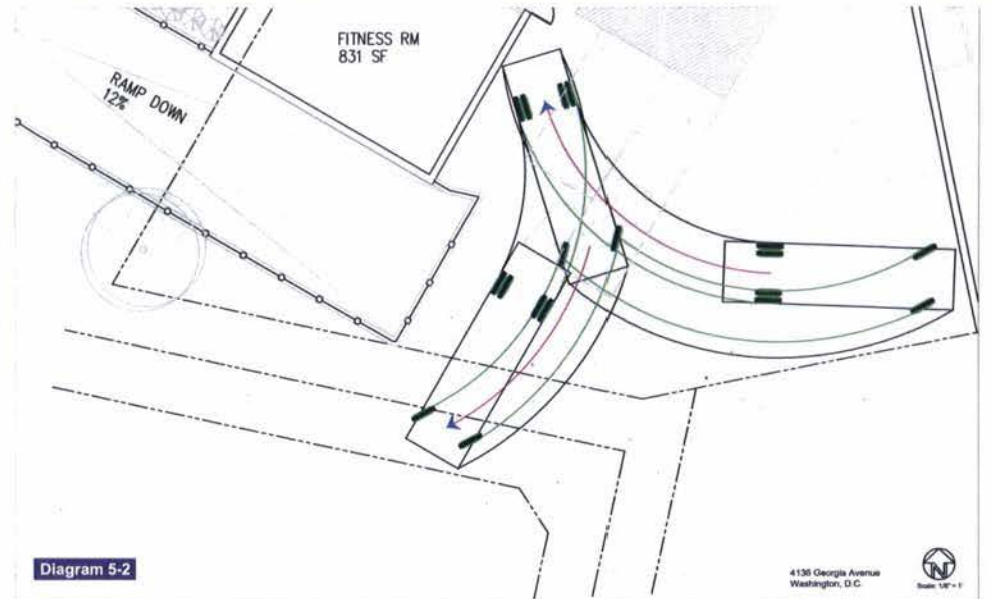
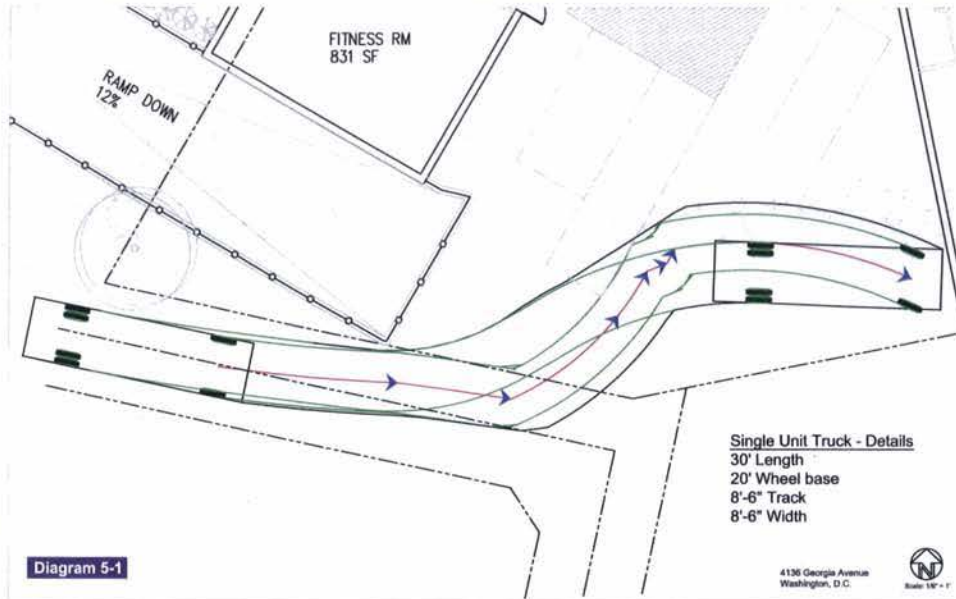
3251 Old Lee Highway, Suite 405
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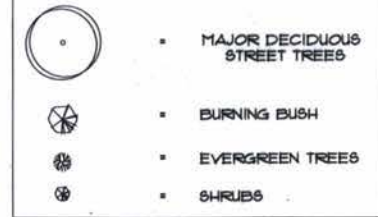
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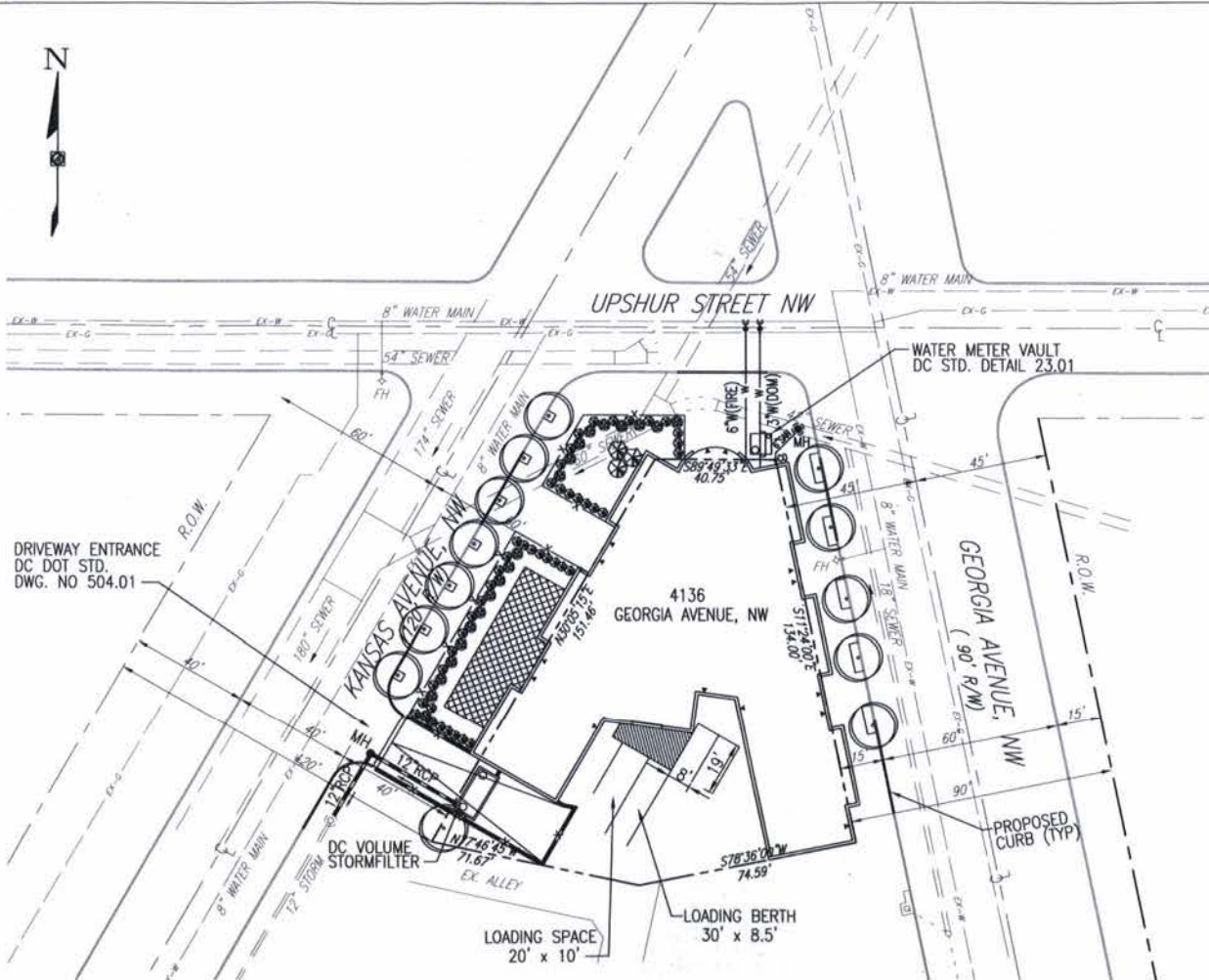




PLANTING LEGEND



DRIVEWAY ENTRANCE
DC DOT STD.
DWG. NO 504.01

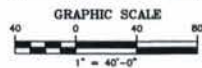


SITE AND UTILITY PLAN
SCALE: 1" = 40'



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PLANNED UNIT DEVELOPMENT APPLICATION



SHEET TITLE:

SITE AND UTILITY PLAN



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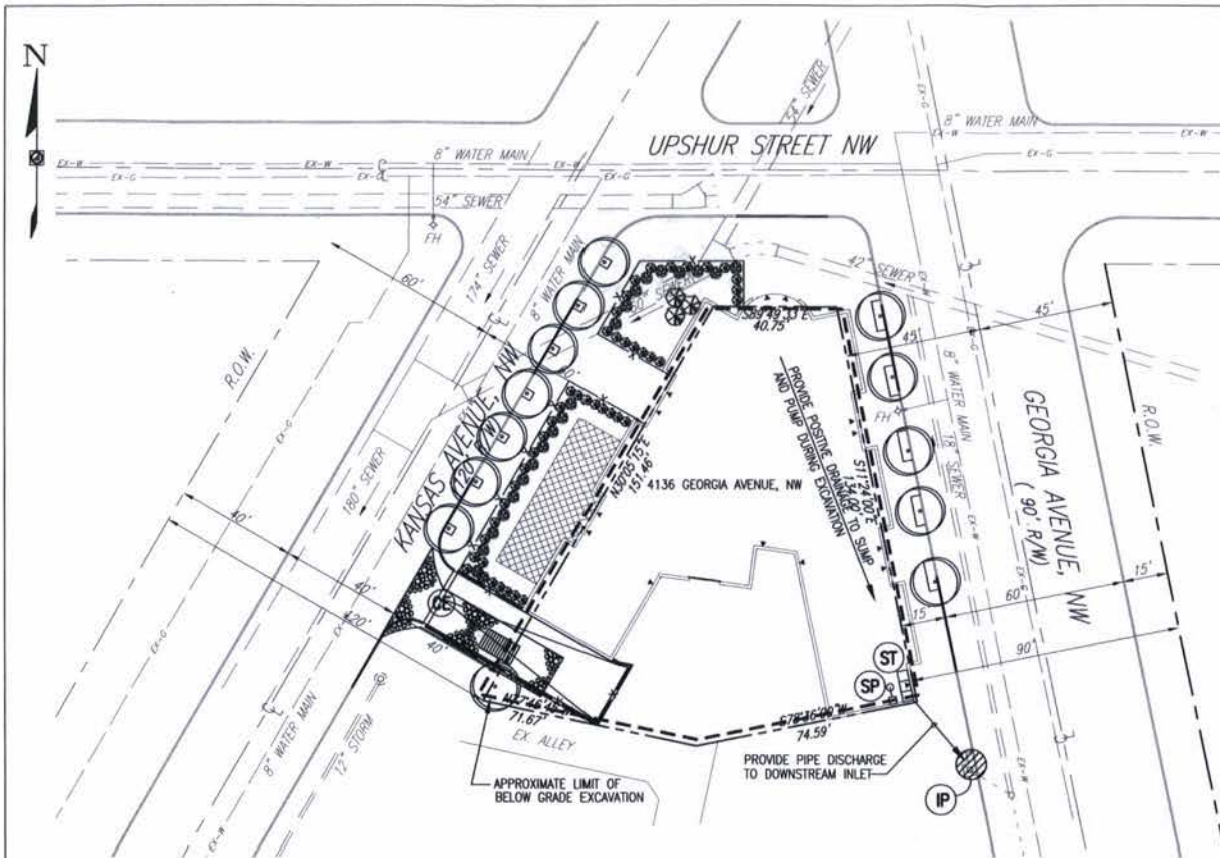
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SEQUENCE OF CONSTRUCTION

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE AND SILT FENCE AS SHOWN ON PLAN.
2. EXCAVATE TO FINISHED BASEMENT ELEVATION. PROVIDE A SUMP PIT AND SEDIMENT TANK AS NECESSARY TO TRAP AND REMOVE SEDIMENT FROM CONSTRUCTION SITE.
3. INSTALL UNDERGROUND UTILITIES AND AREA DRAINS. PROVIDE INLET PROTECTION FOR AREA DRAINS. REMOVE SUMP PIT AND PORTABLE SEDIMENT TANK.
4. CONSTRUCT PROPOSED BUILDING.
5. CONSTRUCT NEW ASPHALT PARKING AREA, RETAINING WALL, SIDEWALKS AND STAIRWAYS.
6. AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED AND ALL DISTURBED AREAS HAVE BEEN STABILIZED, SEDIMENT CONTROLS SHALL BE REMOVED AND THE GROUND PERMANENTLY STABILIZED WITH VEGETATION UPON THE APPROVAL OF THE CITY INSPECTOR.

EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1" = 40'

MAINTENANCE NOTES

1. THE SITE SUPERINTENDENT, OR HIS/HER REPRESENTATIVE, SHALL MAKE A VISUAL INSPECTION OF ALL MECHANICAL CONTROLS AND NEWLY STABILIZED AREAS (I.E. SEEDING AND MULCHED AND/OR SOGGED AREAS) ON A DAILY BASIS, ESPECIALLY AFTER A HEAVY RAINFALL EVENT TO ENSURE THAT ALL CONTROLS ARE MAINTAINED AND PROPERLY FUNCTIONING. ANY DAMAGED CONTROLS SHALL BE REPAIRED PRIOR TO THE END OF THE WORK DAY INCLUDING RE-SEEDING AND MULCHING OR RE-SOGGING IF NECESSARY.
2. VEHICLE MAINTENANCE MEASURES: ALL CONSTRUCTION VEHICLES EGRESSING FROM THE SITE SHALL BE WASHED AS NECESSARY TO ENSURE THAT SEDIMENT WILL NOT BE REMOVED FROM THE SITE. WASH WATER TO BE TRUCKED IN OR PROVIDED BY PUBLIC WATER SYSTEM.

PROJECT NARRATIVE

THE PROPERTY CONSISTS OF 13,143 SQ. FT. OR 0.302 ACRE. THE PROJECT IS LOCATED AT GEORGIA AVENUE IN NORTHWEST. THE PROPOSED BUILDING WILL BE FOUR WITH A PENTHOUSE LEVEL AND A BASEMENT LEVEL. ON-SITE PARKING WILL BE PROVIDED IN THE BASEMENT LEVEL. NEW WATER AND SEWER SERVICES WILL BE PROVIDED TO THE BUILDING. STORMWATER MANAGEMENT WATER QUANTITY AND QUALITY CONTROL MEASURES WILL BE PROVIDED. STORMWATER RUNOFF WILL BE TREATED AND STORED BY USE OF AN UNDERGROUND DC STORMFILTER.

TOTAL SITE AREA = 13,143 SQUARE FEET OR 0.302 ACRE
TOTAL DISTURBED AREA = 0.30 ACRE
TOTAL CUT = 8,000 CUBIC YARDS
TOTAL FILL = 50 CUBIC YARDS

NOTES

ALL WORK SHALL CONFORM TO THE DC DEPARTMENT OF HEALTH, ENVIRONMENTAL HEALTH ADMINISTRATION, BUREAU OF ENVIRONMENTAL QUALITY, WATERSHED PROTECTION DIVISION'S "2003 DISTRICT OF COLUMBIA STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL".

STORMWATER MANAGEMENT STATEMENT & CALCULATIONS

THE SITE IS SURROUNDED BY DEVELOPED AREAS AND SERVED BY AN EXISTING NETWORK OF STORM DRAINAGE SYSTEMS OF ADEQUATE CAPACITY TO ACCOMMODATE RUNOFF FROM THE PROPOSED DEVELOPMENT.

PRE-DEVELOPED CONDITION
DRAINAGE AREA = 0.302 AC.
C=0.35 (MEADOW CONDITION)
T₀ = 5 MINUTES
Q₂ = 5.28 IN/HR; Q₂ = (0.35)(5.28 IN/HR)(0.302 AC) = 0.58 CFS
Q₁₅ = 7.56 IN/HR; Q₁₅ = (0.35)(7.56 IN/HR)(0.302 AC) = 0.80 CFS

POST-DEVELOPED CONDITION
DRAINAGE AREA = 0.302 AC.
C_{0.70} = 0.70 (FROM TABLE A.1 - MEDIUM DENSITY APARTMENT)
T₀ = 5 MINUTES
Q₂ = 5.28 IN/HR; Q₂ = (0.70)(5.28 IN/HR)(0.302 AC) = 1.12 CFS
Q₁₅ = 7.56 IN/HR; Q₁₅ = (0.70)(7.56 IN/HR)(0.302 AC) = 1.60 CFS

WATER QUANTITY VOLUME

$$V_q = (Q_{p15} - Q_{p2}) \times t_c \times 1.25$$

WHERE: V_q = WATER QUANTITY VOLUME (CF)
Q_{p15} = 15-YEAR PEAK FLOW (CFS)
Q_{p2} = 2-YEAR PEAK FLOW (CFS)
t_c = TIME OF CONCENTRATION (SECONDS)

$$V_q = (1.60 - 0.58) \times 300 \times 1.25 = 380 \text{ CF}$$

STORAGE PROVIDED BY STORMFILTER =

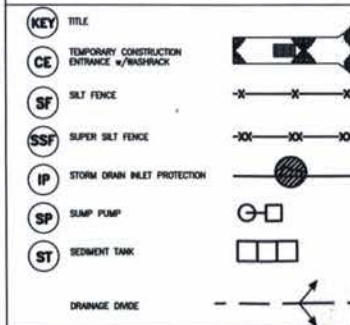
WATER QUALITY VOLUME

$$V_w = \frac{R \times A \times I}{12}$$

WHERE: V_w = WATER QUALITY VOLUME TO BE TREATED (CF)
R = RUNOFF DEPTH (IN.), TABLE 2.2 DC SWM GUIDE BOOK
A = IMPERVIOUS AREA (SQ.FT.)
I = CONVERSION FACTOR

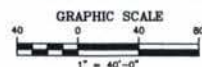
$$V_w = \frac{R \times A \times I}{12} = \frac{0.30 \times 11,000}{12} = 275 \text{ CF}$$

EROSION AND SEDIMENT CONTROL LEGEND:



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SHEET TITLE:

EROSION AND SEDIMENT CONTROL PLAN



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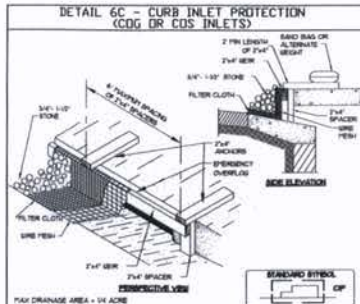
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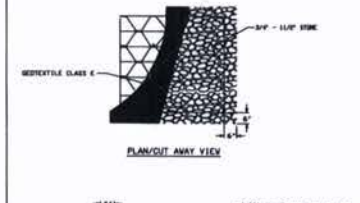
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- CONSTRUCTION SPECIFICATIONS**
1. ATTACH A CONTINUOUS PIECE OF WIRE FENCE (FPM THINNESS) PLUS 4" TO THE 2" WIRE MEASURING THROUGHT ENDS PLUS 7" AS SHOWN ON THE STANDARD DRAWING.
 2. PLACE A CONTINUOUS PIECE OF GEOTEXTILE CLASS E OVER THE WIRE OPENINGS AS THE WIRE FENCE OVER THE WIRE FENCE AND SECURELY ATTACH IT TO THE 2" WIRE.
 3. SECURE THE WIRE FENCE TO THE 2" WIRE BY SADDLING OR ALTERNATE METHOD.
 4. PLACE THE ASSEMBLY AGAINST THE INLET TRAP AND NAIL PROPER 2" LENGTHS OF 2" WIRE TO THE TOP OF THE WIRE AT SPACER LOCATIONS THESE 2" WIRE ANCHORS SHALL EXTEND ACROSS THE INLET TOP AND BE HELD IN PLACE BY SADDLING OR ALTERNATE METHOD.
 5. THE ASSEMBLY SHALL BE PLACED SO THAT THE END SPACERS ARE A MINIMUM 2" BEYOND BOTH SIDES OF THE TRAP OPENING.
 6. COVER THE 2" x 12" WIRE FENCE AND THE GEOTEXTILE FABRIC TO THE CONCRETE CURB AND AGAINST THE FACE OF THE CURB ON BOTH SIDES OF THE INLET PLACE CLEAR 1/2" x 1/2" STONE OVER THE WIRE FENCE AND GEOTEXTILE IN SUCH A MANNER TO PREVENT WATER FLOW ENTERING THE INLET SHOR OR AROUND THE GEOTEXTILE.
 7. THIS TYPE OF PROTECTION MUST BE INSPECTED FREQUENTLY AND THE FILTER CLOTH AND STONE REPLACED WHEN CLOGGED WITH DEBRIS.
 8. ASSURE THAT DEBRIS FLOW DOES NOT BYPASS THE INLET BY INSTALLING A TEMPORARY EARTH OR ASPHALT DIRT TO DIRECT THE FLOW TO THE INLET.

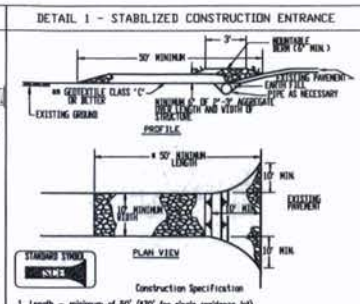
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WATERWAYS PROTECTION DIVISION
DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH

DETAIL 6B - AT GRADE INLET PROTECTION



- CONSTRUCTION SPECIFICATIONS**
1. LIFT GRATE AND WRAP WITH Geotextile Class E to completely cover all openings, then set grate back in place.
 2. Place 3/4" to 1 1/2" stone, 4" - 6" thick on the grate to secure the fabric and provide additional protection.

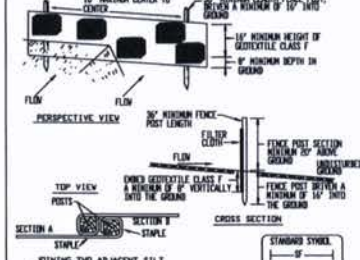
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- CONSTRUCTION SPECIFICATIONS**
1. Length - minimum of 50' (90' for single residence lot).
 2. Width - 10' minimum, should be flared at the existing road to provide a turning radius.
 3. Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. The plan approval authority may not require single family residence to use geotextile.
 4. Stone - crushed aggregate (2" to 3") or recycled or recycled concrete equivalent shall be placed at least 1' deep over the length and width of the entrance.
 5. Surface Water - all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through any stabilized construction entrance shall be protected with a removable boom with 5' to 10' of stone over the pipe. The boom has to be sized according to the entrance. The 30' is located at a high spot and has no drainage to lower a pipe will not be necessary. Pipe should be sized according to the amount of rainfall to be conveyed. A 6" minimum size is required.
 6. Location - A stabilized construction entrance shall be located at every spot where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

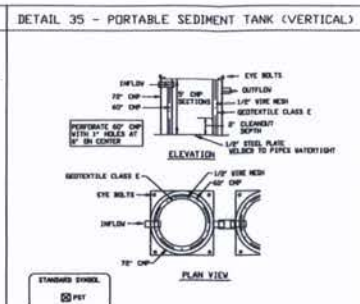
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DETAIL 4 - SILT FENCE



- CONSTRUCTION SPECIFICATIONS**
1. Fence posts shall be a minimum of 30' long driven 18" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum) cut, or 1 1/2" diameter (minimum) round and shall be of sound quality hardwood. Steel posts shall be standard I or U section weighting not less than 1.00 pound per linear foot.
 2. Geotextile shall be fastened securely to each fence post with wire ties or staples at top and bottom and shall meet the following requirements for Geotextile Class E:
 3. Where ends of geotextile fabric are joined together, they shall be overlapped, folded and stapled to prevent sediment bypass.
 4. Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached top of the fabric height.

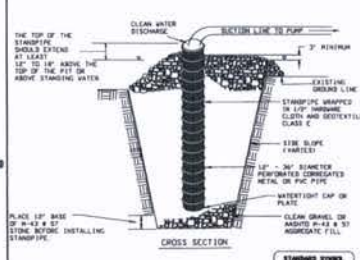
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DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH



- CONSTRUCTION SPECIFICATIONS**
1. The following formula should be used in determining the storage volume of the sediment tank. 1 cubic foot of storage for each gallon per minute of pump discharge capacity.
 2. An example of a typical sediment tank is shown above. Other container designs can be used if the storage volume is adequate and approved by the local approving agency.
 3. Tanks may be connected in series.

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WATERWAYS PROTECTION DIVISION
DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH

DETAIL 32B - SUMP PIT



- CONSTRUCTION SPECIFICATIONS**
1. Pit dimensions are variable, with the minimum diameter being 2 times the sump pump diameter.
 2. The sump pit should be constructed by perforating a 12" to 24" diameter pipe with a PVC pipe. Then wrapping with Geotextile Class E. The perforations shall be 1/2" x 5" slots or 1/2" diameter holes.
 3. A base of filter material consisting of clean gravel or wet stone should be placed on the pit to a depth of 12". After installing the sump pit, the pit surrounding the sump pit should then be modified with the same filter material.
 4. The sump pit should extend 12" to 18" above the top of the pit or the riser crest elevation (clean discharging pipe) and the filter material should extend 2' minimum above the anticipated standing water elevation.

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WATERWAYS PROTECTION DIVISION
DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH

EROSION AND SEDIMENT CONTROL NOTES

1. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSTALLED BEFORE THE START OF ANY EXCAVATION AND/OR CONSTRUCTION AS PER STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR THE DISTRICT OF COLUMBIA. IF AN ON-SITE INSPECTION REVEALS FURTHER EROSION CONTROL MEASURES ARE NECESSARY, THE SAME SHALL BE PROVIDED.
2. ALL SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN CONFORMANCE WITH THE MOST RECENT EDITION OF THE D.C.'S SOIL EROSION AND SEDIMENT CONTROL STD'S AND SPECS.
3. PERIODIC INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES MUST BE PROVIDED TO INSURE INTENDED PURPOSE IS ACCOMPLISHED. THE SEDIMENT CONTROL INSPECTOR REPRESENTING THE DISTRICT OF COLUMBIA SHALL MAINTAIN THE AUTHORITY TO REQUIRE ADDITIONAL SEDIMENT CONTROL MEASURES AS NECESSARY TO PREVENT THE INTRUSION OF SEDIMENT INTO STORM DRAIN SYSTEMS OR PUBLIC SPACE.
4. ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS WILL BE PROTECTED TO PREVENT TRACKING OF MUD ONTO PUBLIC WAYS. A VEHICLE WASH AREA SHALL BE PROVIDED ON-SITE. THE AREA MAY BE CONSTRUCTED OF RUBBLE OR OTHER HARD POROUS MATERIAL. A WORKING WATER HOSE MUST BE LOCATED IN THE AREA DURING ALL CONSTRUCTION ACTIVITY.
5. SILT REMOVED FROM TRAPS SHALL BE PLACED AND STABILIZED ON DESIGNATED AREAS ON-SITE IN SUCH A MANNER THAT IT DOES NOT FOUL EXISTING OR PROPOSED STORM DRAINAGE SYSTEMS OR AREAS ALREADY STABILIZED.
6. ALL WATER PUMPED FROM EXCAVATION DURING CONSTRUCTION SHALL BE PUMPED EITHER TO A SEDIMENT TANK AND/OR A SEDIMENT TRAP. WHEN A SEDIMENT TRAP/SEDIMENT TANK HAS REACHED 67% CAPACITY, THE CLEAN OUT OF SAME IS REQUIRED. NO WATER WILL BE PUMPED TO THE STORM DRAIN SYSTEM WITHOUT THE CONSENT OF THE SEDIMENT CONTROL INSPECTOR.
7. ALL WATER DISCHARGED FROM THE SEDIMENT TANKS OR PUMPED FROM THE SITE MUST BE CLEAN AND FREE OF SEDIMENT.
8. ALL DEBRIS IS TO BE REMOVED FROM SITE.
9. ALLEY AND/OR STREETS/SIDEWALKS SHALL BE SWEEPED CLEAN AT ALL TIMES DURING EXCAVATION AND CONSTRUCTION.
10. ALL CATCH BASINS AND DRAIN AREAS SHALL BE PROTECTED DURING EXCAVATIONS AND CONSTRUCTION.
11. IF ANY CATCH BASIN OR DRAIN BECOMES CLOGGED AS A RESULT OF EXCAVATION OR CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS CLEANING.
12. ANY STOCKPILES, REGARDLESS OF LOCATION, SHALL BE STABILIZED AND COVERED WITH PLASTIC OR CANVAS AFTER ITS ESTABLISHMENT AND FOR THE DURATION OF THE PROJECT.
13. CONTRACTOR TO CONTROL DUST BLOWING AND MOVEMENT PER SECTION 44.0 - STANDARDS AND SPECIFICATIONS FOR DUST CONTROL OF D.C.'S SOIL EROSION AND SEDIMENT CONTROL STD'S AND SPECS.
14. AFTER A RAZE OR DEMOLITION, THERE IS THE NEED FOR GROUND COVER SUCH AS SEED, SOIL, PAVEMENT, BROCKBAT, OR MULCH TO PREVENT EROSION AND SEDIMENT RUNOFF FROM OCCURRING.



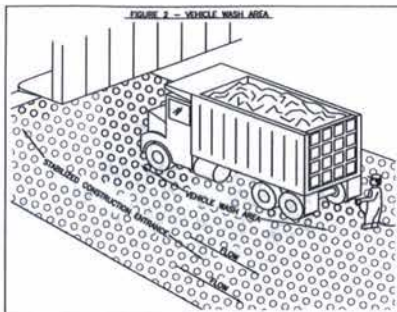
4136 GEORGIA AVENUE
PLANNED UNIT DEVELOPMENT APPLICATION

SHEET TITLE:
EROSION AND SEDIMENT
CONTROL NOTES
& DETAILS

ADTEK ENGINEERS, INC.
CIVIL, STRUCTURAL & GEOTECHNICAL ENGINEERING
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ADTEK JOB NO.
0501566
C-13
DATE: 06-13-06



STANDARDS AND SPECIFICATIONS
FOR
VEHICLE WASH AREA

DEFINITION
AN ON-SITE AREA WHERE THE TIRES AND UNDER-CARRIAGE OF A VEHICLE CAN BE WASHED.

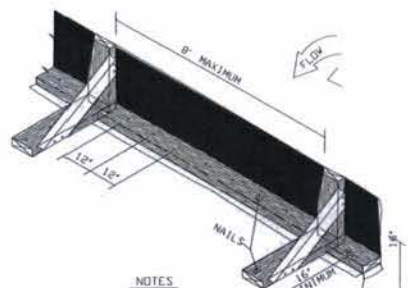
PURPOSE
THE "VEHICLE WASH AREA" IS PROVIDED TO MINIMIZE THE QUANTITY OF SEDIMENT DEPOSITED ON PUBLIC SPACE BY VEHICLES LEAVING THE SITE.

CONDITIONS WHERE PRACTICE APPLIES
THE VEHICLE WASH AREA WILL BE PROVIDED ON ANY SITE WHERE VEHICLES CAN ENTER ONTO UNIMPROVED SURFACES.

DESIGN CRITERIA
THE "VEHICLE WASH AREA" SHALL BE PROVIDED ON-SITE AND DRAINED ON-SITE. THE AREA MAY BE CONSTRUCTED OF RUBBER OR OTHER HARD FORDURABLE MATERIAL. A WORKING WATER HOSE MUST BE LOCATED IN THE AREA DURING ALL CONSTRUCTION ACTIVITY.

DUST CONTROL NOTES:

1. THE CONTRACTOR SHALL CONDUCT OPERATIONS AND MAINTAIN THE PROJECT SITE AS TO MINIMIZE THE CREATION AND DISPERSION OF DUST. DUST CONTROL SHALL BE USED THROUGHOUT THE WORK AT THE SITE.
2. THE CONTRACTOR MUST PROVIDE CLEAN WATER, FREE FROM SALT, OIL AND OTHER DELIBERATE MATERIAL, TO BE USED FOR ON-SITE DUST CONTROL.
3. THE CONTRACTOR SHALL SUPPLY WATER SPRAYING EQUIPMENT CAPABLE OF ACCESSING ALL WORK AREAS.
4. THE CONTRACTOR SHALL IMPLEMENT STRICT DUST CONTROL MEASURES DURING ACTIVE CONSTRUCTION PERIODS ON-SITE. THESE CONTROL MEASURES WILL GENERALLY CONSIST OF WATER APPLICATIONS THAT SHALL BE APPLIED A MINIMUM OF ONCE PER DAY DURING DRY WEATHER OR MORE OFTEN AS REQUIRED TO PREVENT DUST EMISSIONS.
5. FOR WATER APPLICATION TO UNDISTURBED SOIL SURFACES, THE CONTRACTOR SHALL:
 - A. APPLY WATER WITH EQUIPMENT CONSISTING OF TANK, SPRAY BAR, PUMP WITH DISCHARGE PRESSURE GAUGE;
 - B. ARRANGE SPRAY BAR HEIGHT, NOZZLE SPACING AND SPRAY PATTERN TO PROVIDE COMPLETE COVERAGE OF GROUND WITH WATER;
 - C. DISPENSE WATER THROUGH NOZZLES ON SPRAY BAR AT 30 PSI (137.8 K PA) MINIMUM. KEEP AREAS DAMP WITHOUT CREATING MISUSE CONDITIONS SUCH AS FLOODING.
6. FOR WATER APPLICATION TO SOIL SURFACES DURING DEMOLITION AND/OR EXCAVATION, THE CONTRACTOR SHALL:
 - A. APPLY WATER WITH EQUIPMENT CONSISTING OF A TANK, PUMP WITH DISCHARGE GAUGE, HOSES AND MOST NOZZLES;
 - B. LOCATE TANK AND SPRAYING EQUIPMENT SO THAT THE ENTIRE EXCAVATION AREA CAN BE METTED WITHOUT INTERFERING WITH DEMOLITION AND/OR EXCAVATION EQUIPMENT OR OPERATIONS. KEEP AREAS DAMP WITHOUT CREATING MISUSE CONDITIONS SUCH AS FLOODING.
 - C. APPLY WATER SPRAY IN A MANNER TO PREVENT MOVEMENT OF SPRAY BEYOND SITE BOUNDARIES.



NOTES

1. All finished lumber shall be 2" X 4" minimum.
2. A mastic seal shall be provided, as shown, to prevent seepage of laden water escaping untreated beneath silt fence installation.
3. Silt fence fabric shall be taut and securely stapled to face of upright supports.
4. Nails used to secure boards to pavement shall be 20d X 4" minimum length.
5. Application design and materials criteria shall be as stated in the Maryland Standards and Specifications for Soil Erosion and Sediment Control.
6. Use SF/AP to designate on sediment control plan.

SILT FENCE INSTALLATION ON ASPHALT PAVEMENT

Section III: Permanent Seeding

Seeding grass and legumes to establish ground cover for a minimum period of one year on disturbed areas generally involving low maintenance.

A. Seed Mixtures - Permanent Seeding

1. Select one or more of the species or mixtures listed in Table 42 for the appropriate Plant Hardiness Zone (Show Figures 8) and enter them in the Permanent Seeding Summary below, along with application rates and seeding dates. Seeding depths can be estimated using Table 43. If this Summary is not put on the construction plans and completed, then Table 42 must be put on the plans. Additional planting specifications for exceptional sites such as shortfalls, streambanks, or dunes or for special purposes such as wildlife or aesthetic treatment may be found in USDA-ARS Technical Field Office Circular, Section 342, Critical Area Planning. For special low maintenance areas, see Section IV Sod and V Turfgrass.
2. For sites having disturbed areas over 5 acres, the rates shown on this table shall be deleted and the rates recommended by the soil testing agency shall be written in.
3. For areas receiving low maintenance, apply uniform fertilizer (46-0-0) at 1 1/2 lbs/1000 sq. ft. (139 lbs/acre), in addition to the above soil amendments shown in the table below, to be performed at the time of seeding.

Permanent Seeding Summary

Seed Mixtures (For Hardiness Zone _____) (From Table 42)				Fertilizer Rate (10-20-20)			Line Rate
No.	Species	Application Rate (lbs/ac)	Seeding Depth	N	P205	K20	
3	GRASS PERMANENT MIXTURE	125 15	3/4"-5/8" 1/4" min	90 lb/ac (210 lb)	175 lb/ac (430 lb)	175 lb/ac (430 lb)	2 tons/ac (5000 lb)
			2" min				

3-42-10

March 2003

C. Sod Maintenance

1. In the absence of adequate rainfall, watering shall be performed daily or as often as necessary during the first week and in sufficient quantities to maintain moist soil to a depth of 4". Watering should be done during the heat of the day to prevent wilting.
2. After the first week, and watering is required as necessary to maintain adequate moisture content.
3. The first mowing of sod should not be attempted until the sod is firmly rooted. No more than 1/3 of the grass leaf shall be removed by the initial cutting or subsequent cuttings. Grass height shall be maintained between 2" and 3" unless otherwise specified.

Notes: Choose certified material. Certified material is the best guarantee of cultivar purity.

A. Turfgrass Mixtures

1. Kentucky Bluegrass - Full sun mixture - For use in areas that receive intensive management. Recommended Certified Kentucky Bluegrass Cultivars Seeding Rate: 1.5 to 2.0 pounds/1000 square feet. A minimum of three bluegrass cultivars should be chosen ranging from a minimum of 10% to a maximum of 35% of the mixture by weight.
2. Kentucky Bluegrass/Perennial Ryegrass - Full sun mixture - For use in full sun areas where rapid establishment is necessary and where turf will receive medium to intensive management. Certified Perennial Ryegrass Cultivars/Certified Kentucky Bluegrass Seeding rate: 2 pounds mixture/1000 square feet. A minimum of 3 Kentucky Bluegrass Cultivars must be chosen, with each cultivar ranging from 10% to 35% of the mixture by weight.
3. Tall Fescue/Kentucky Bluegrass - Full sun mixture - For use in drought prone areas and/or for areas receiving low to medium management in full sun to medium shade. Recommended mixture includes: certified Tall Fescue Cultivars

3-42-12

March 2003

Section IV - Sod: To provide quick cover on disturbed areas (2-1 grade or flatter)

A. General specifications

1. Class of turfgrass sod shall be Maryland or Virginia State Certified or Approved. Sod labels shall be made available to the job foreman and inspector.
2. Sod shall be machine cut at a uniform thickness of 3/4", plus or minus 1/4", at the time of cutting. Measurements for thickness shall exclude top growth and thatch. Individual pieces of sod shall be cut to the specified width and length. Maximum allowable deviation from standard widths and lengths shall be 5 percent. Broken ends and torn or uneven ends will not be acceptable.
3. Standard size sections of sod shall be strong enough to support their own weight and retain their size and shape when suspended vertically with a firm grasp on the upper 10 percent of the section.
4. Sod shall not be harvested or transplanted when moisture content (excessively dry or wet) may adversely affect its survival.
5. Sod shall be harvested, delivered, and installed within a period of 36 hours. Sod not transplanted within this period shall be approved by an agronomist or soil scientist prior to its installation.

B. Sod Installation

1. During periods of excessively high temperature or in areas having dry subsoil, the subsoil shall be lightly irrigated immediately prior to laying the sod.
2. The first row of sod shall be laid in a straight line with subsequent rows placed parallel to and tightly wedged against each other. Lateral joints shall be staggered to promote more uniform growth and strength. Ensure that sod is not stretched or overlapped and that all joints are locked tight to prevent voids, which would cause air drying of the roots.
3. Whenever possible, sod shall be laid with the long edges parallel to the contour and with staggering joints. Sod shall be rolled and tamped, padded or otherwise secured to prevent slippage on slopes and to ensure solid contact between sod roots and the underlying soil surface.
4. Sod shall be watered immediately following rolling or tamping until the underside of the new sod pad and soil surface below the sod are thoroughly wet. The operations of laying, tamping and irrigating for any piece of sod shall be completed within eight hours.

3-42-11

March 2003

95-180Pa, certified Kentucky Bluegrass Cultivars 0-5%. Seeding rate: 3 to 8 lb/1000 of One or more cultivars may be blended.

iv. Kentucky Bluegrass/Fine Fescue - Shade Mixture - For use in areas with shade in bluegrass lawns. For establishment in high quality, intensively managed turf areas. Mixture includes: certified Kentucky Bluegrass Cultivars 30-40% and certified Fine Fescue 60-70%. Seeding rate: 1 1/2-2 lb/1000 square feet. A minimum of 3 Kentucky Bluegrass cultivars must be chosen, with each cultivar ranging from a minimum of 10% to a maximum of 35% of the mixture by weight.

Notes: Turfgrass varieties should be selected from those listed in the most current University of Maryland Publication, Agronomy Memo #77, "Turfgrass Recommendations for Maryland".

B. Ideal times of seeding

March 1 - April 30, August 15 - October 31

C. Irrigation

If soil moisture is deficient, supply new seedlings with adequate water for plant growth (1/2" - 1" every 3 to 4 days depending on soil texture) until they are firmly established. This is especially true when seedlings are made less in the planting season, in abnormally dry or hot seasons, or on adverse sites.

D. Repairs and Maintenance

Inspect all seeded areas for failure and make necessary repairs, replacements, and seedings within the planting season.

1. Once the vegetation is established, the site shall have 85% groundcover to be considered adequately established.
2. If the stand provides less than 60% ground coverage, reseed/tilth following original lines, fertilizer, seedling preparation and seeding recommendation.
3. If the stand provides between 60% and 94% ground coverage, overseeding and fertilizing using half of the rates originally applied may be necessary.
4. Maintenance fertilizer rates for permanent seedings are shown in Table 41.



4136 GEORGIA AVENUE

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ADTEK JOB NO.

05-0156

C-14

DATE: 06-13-06



8' x 18' PRECAST VOLUME STORMFILTER
PLAN AND SECTION VIEWS
STANDARD DETAIL

DATE: XXX/XX/XX	SCALE: NONE	FILE NAME: FILENAME	DRAWN: XXX	CHECKED:
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THE STORMWATER MANAGEMENT
System®
U.S. PATENT Nos. 5,322,629,
No. 5,707,527, No. 6,027,639
No. 6,649,048, No. 5,624,570
AND OTHER U.S. AND FOREIGN
PATENTS PENDING



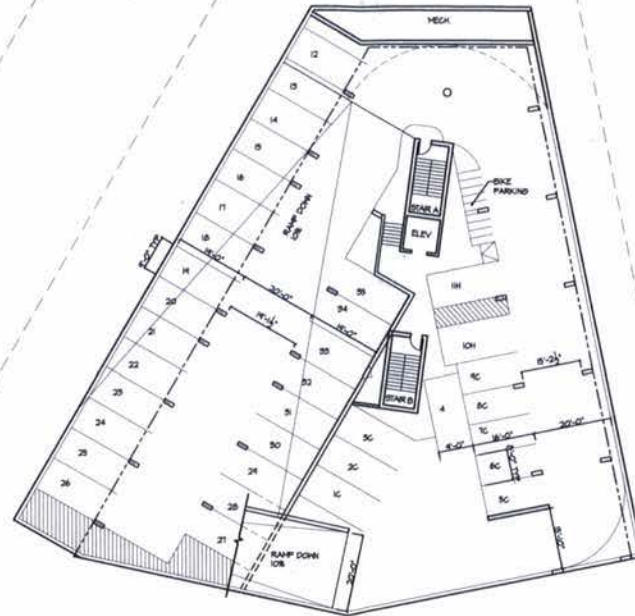
8' x 18' PRECAST VOLUME STORMFILTER
TOP AND SECTION VIEWS, NOTES AND DATA
STANDARD DETAIL

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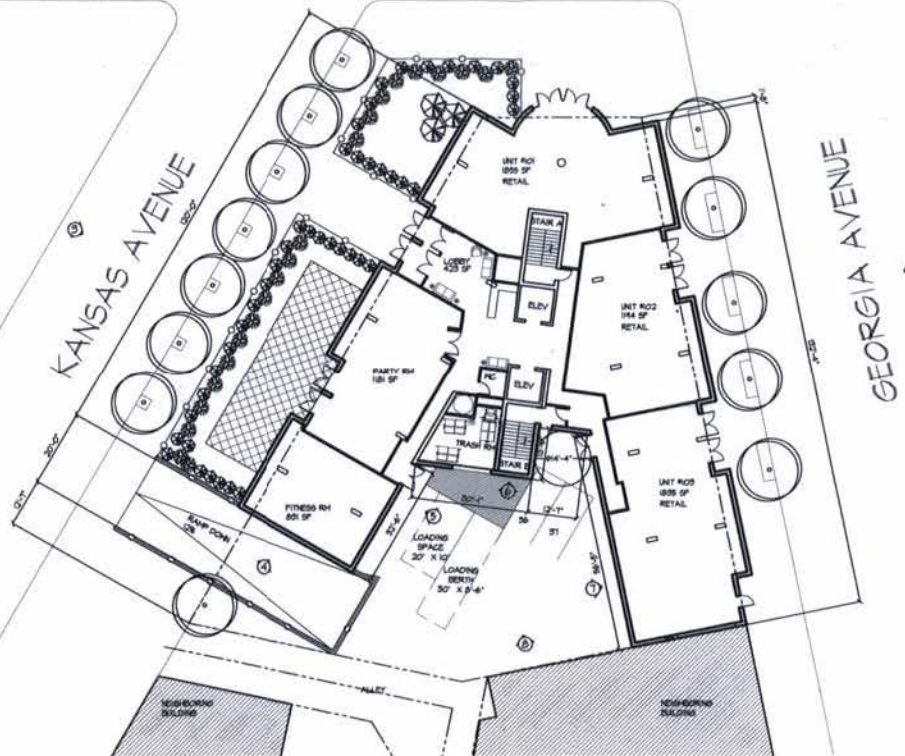
THE STORMWATER MANAGER
StormFlow®
U.S. PATENT No. 5,322,629
No. 5,707,527, No. 6,087,431
No. 6,649,046, No. 5,824,937
AND OTHER U.S. AND FOREIGN
PATENTS PENDING

Figure 1





UPSHUR STREET



0 32
SCALE: 1/32" = 1'-0"



4136 GEORGIA AVENUE

PLANNED UNIT DEVELOPMENT APPLICATION

GROUND FLOOR PLAN

6/22/2006





0 32
SCALE: 1/32" = 1'-0"



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PLANNED UNIT DEVELOPMENT APPLICATION

SECOND AND THIRD FLOOR PLAN

6/22/2006





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SCALE: 1/32" = 1'-0"



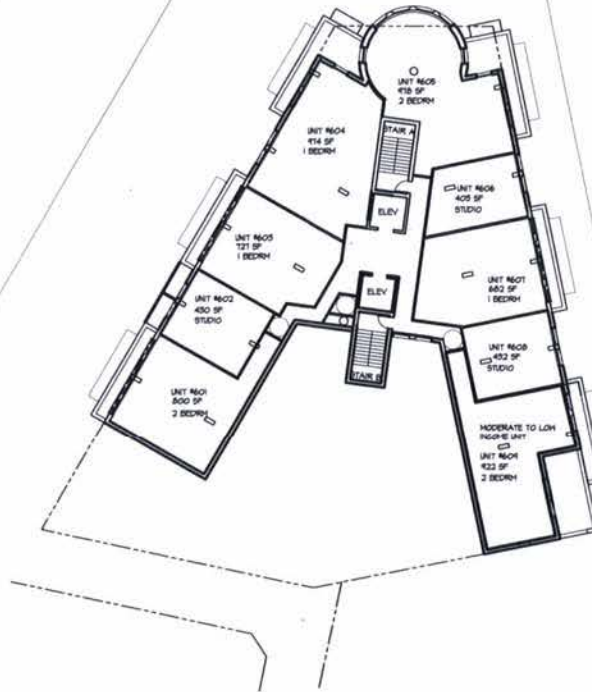
4136 GEORGIA AVENUE

PLANNED UNIT DEVELOPMENT APPLICATION

FOURTH AND FIFTH FLOOR PLAN

6/22/2006





0 32
SCALE: 1/32" = 1'-0"



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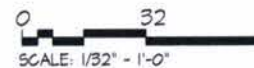
PLANNED UNIT DEVELOPMENT APPLICATION

SIXTH FLOOR PLAN

6/22/2006

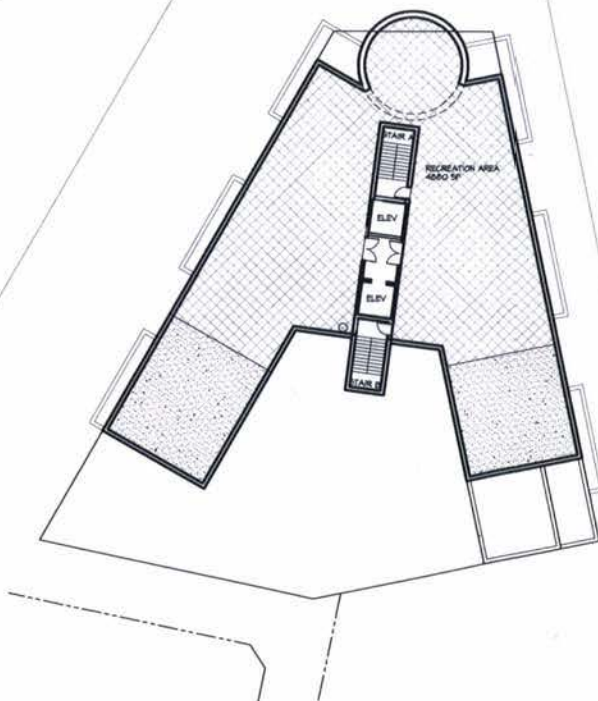


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6/22/2006





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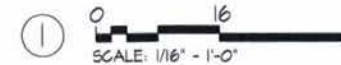
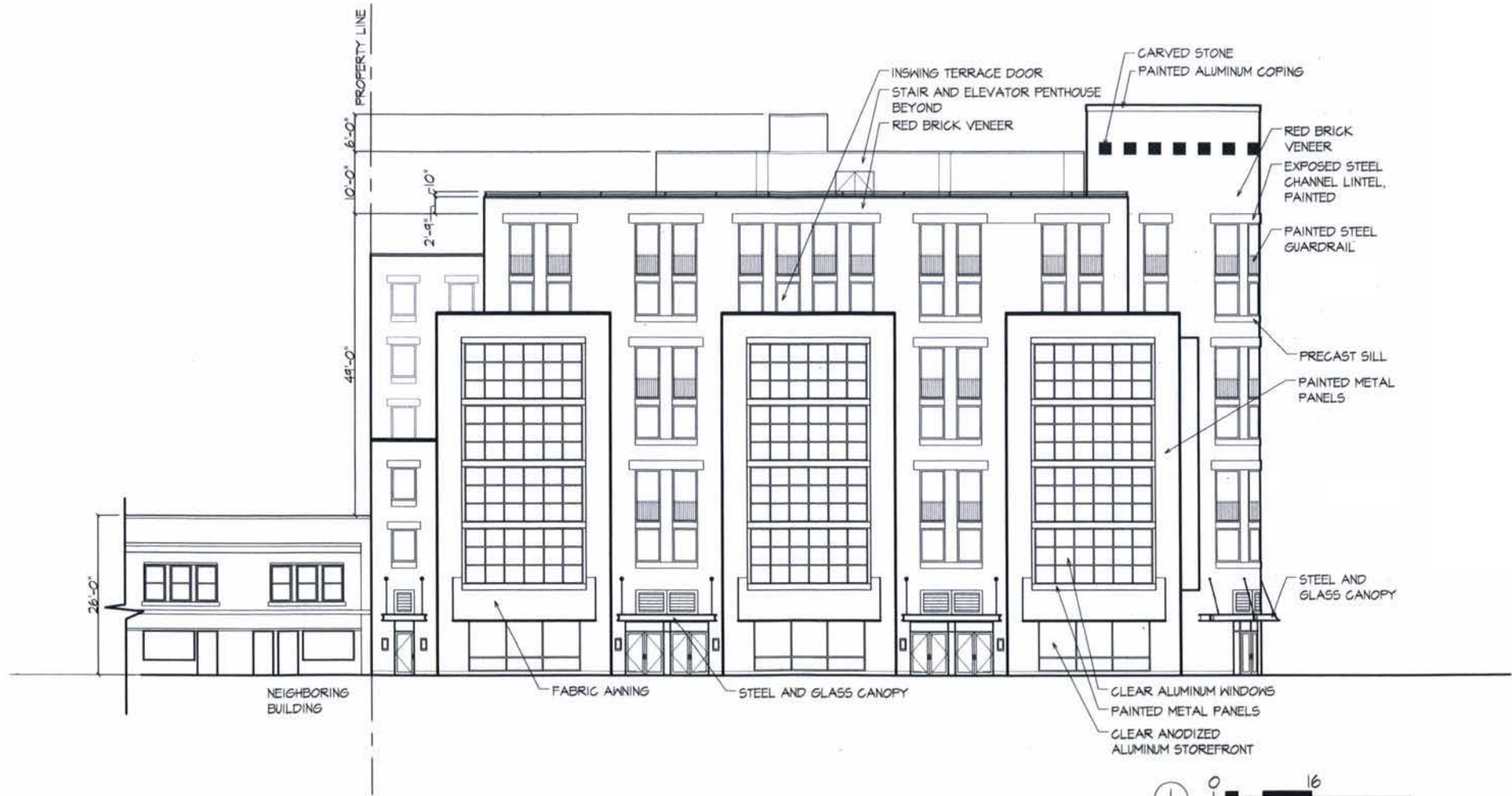
4136 GEORGIA AVENUE

PLANNED UNIT DEVELOPMENT APPLICATION

ROOF PLAN

6/22/2006





4136 GEORGIA AVENUE

PLANNED UNIT DEVELOPMENT APPLICATION

GEORGIA AVENUE ELEVATION

6/22/2006





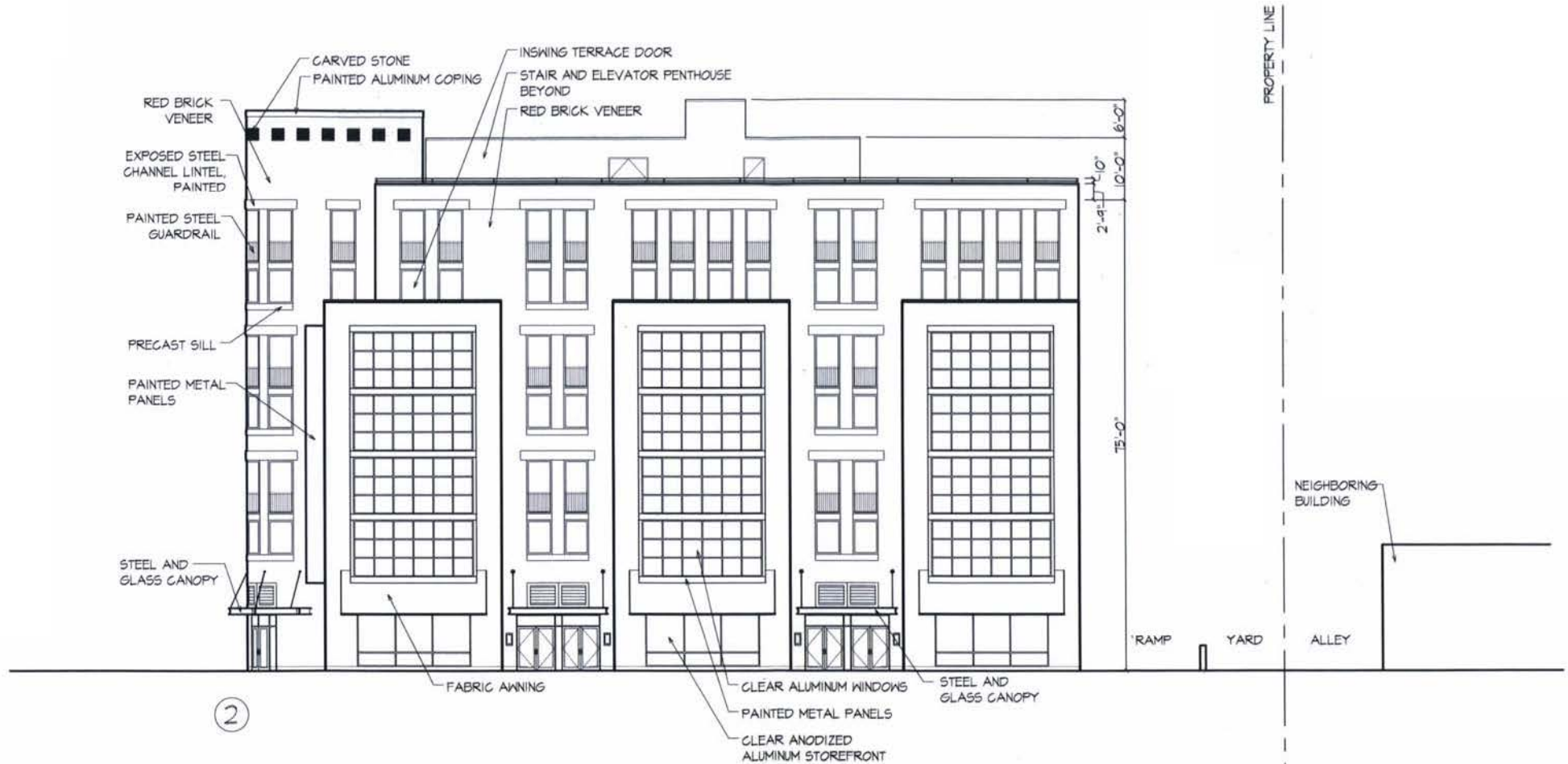
4136 GEORGIA AVENUE

PLANNED UNIT DEVELOPMENT APPLICATION

KANSAS AVE. COLOR ELEVATION

6/22/2006





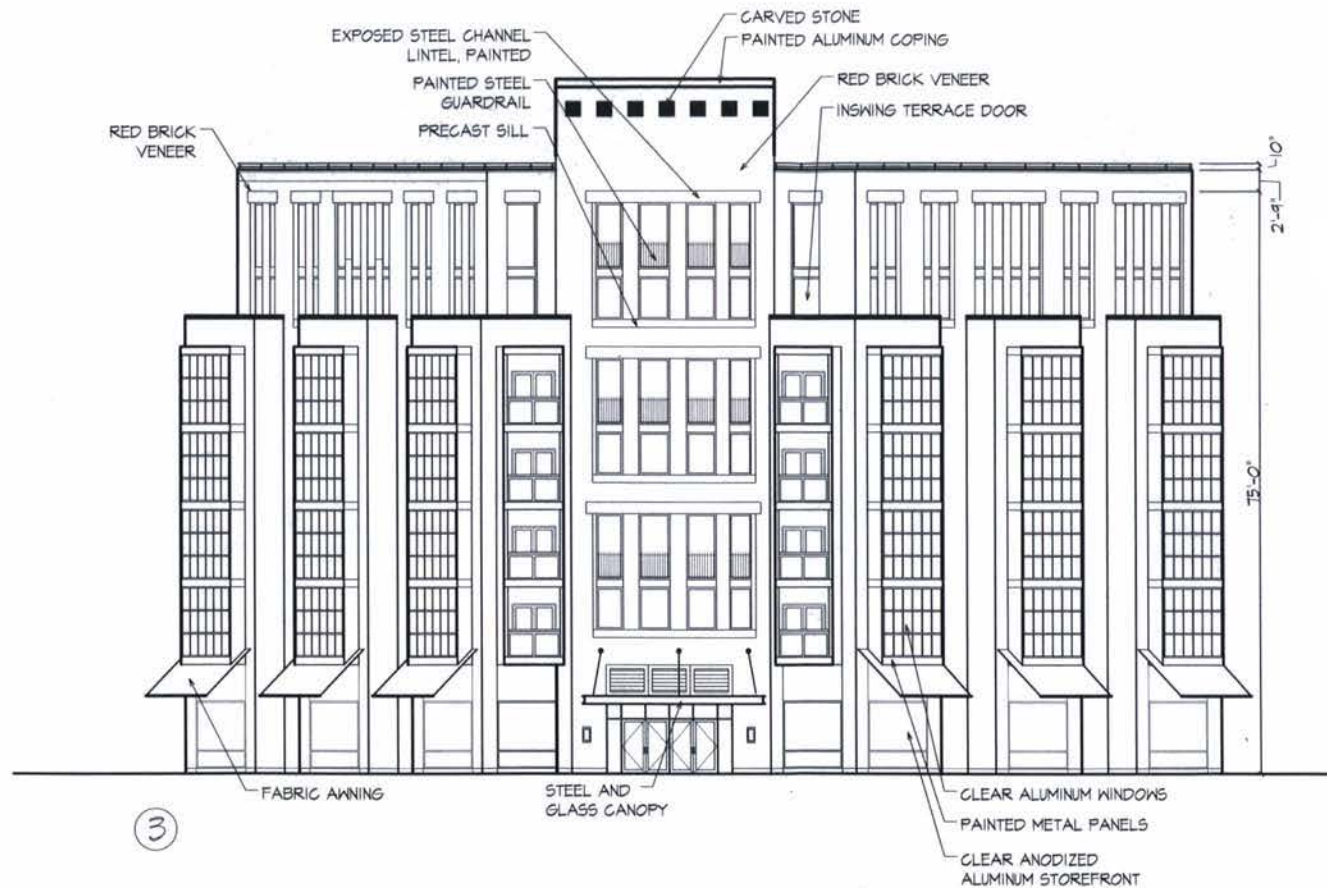
4136 GEORGIA AVENUE

PLANNED UNIT DEVELOPMENT APPLICATION

KANSAS AVENUE ELEVATION

6/22/2006





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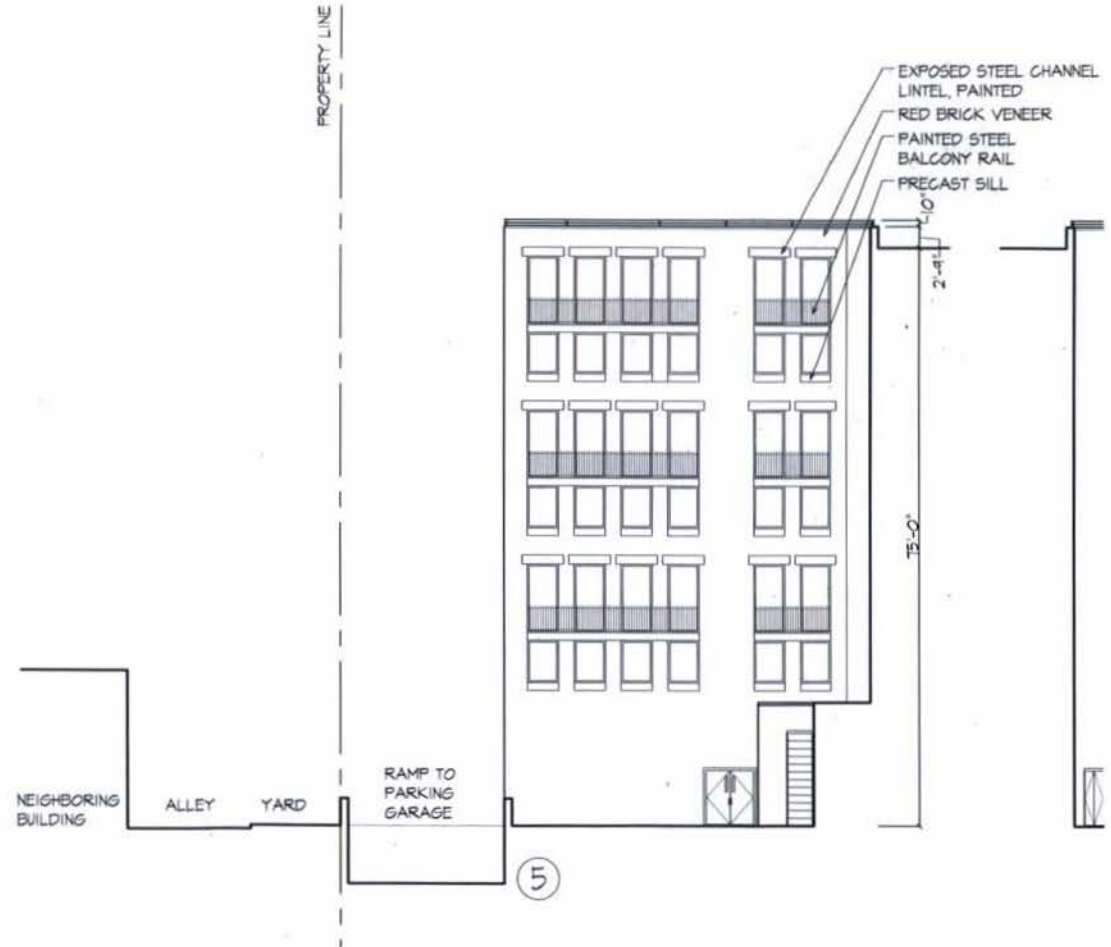
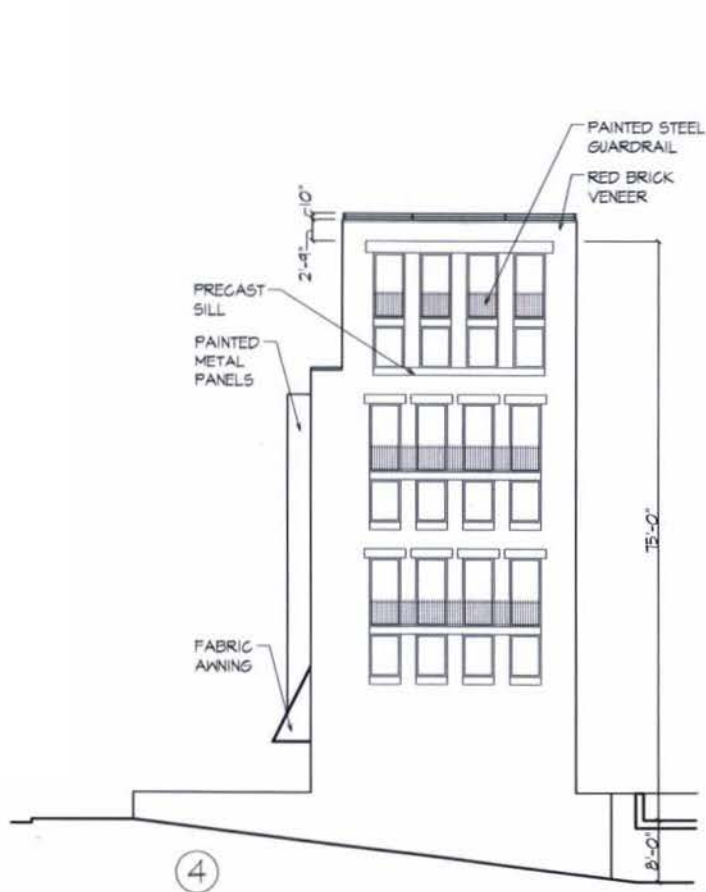
4136 GEORGIA AVENUE

PLANNED UNIT DEVELOPMENT APPLICATION

UPSHUR STREET FACADE

6/22/2006





0 16
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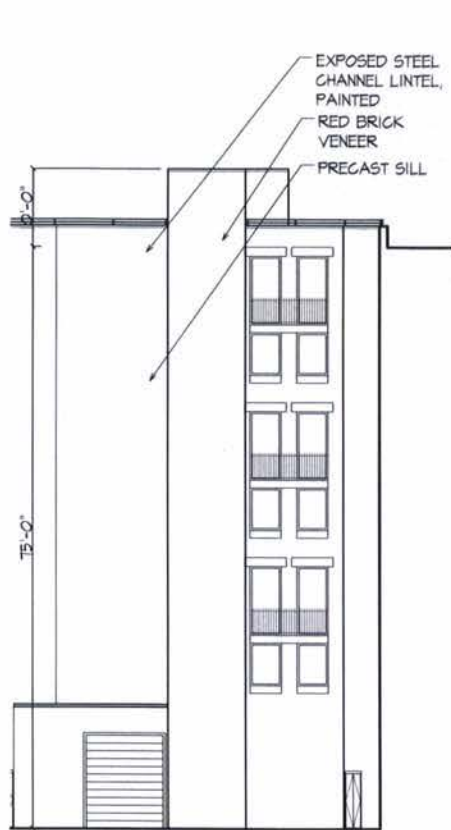
4136 GEORGIA AVENUE

PLANNED UNIT DEVELOPMENT APPLICATION

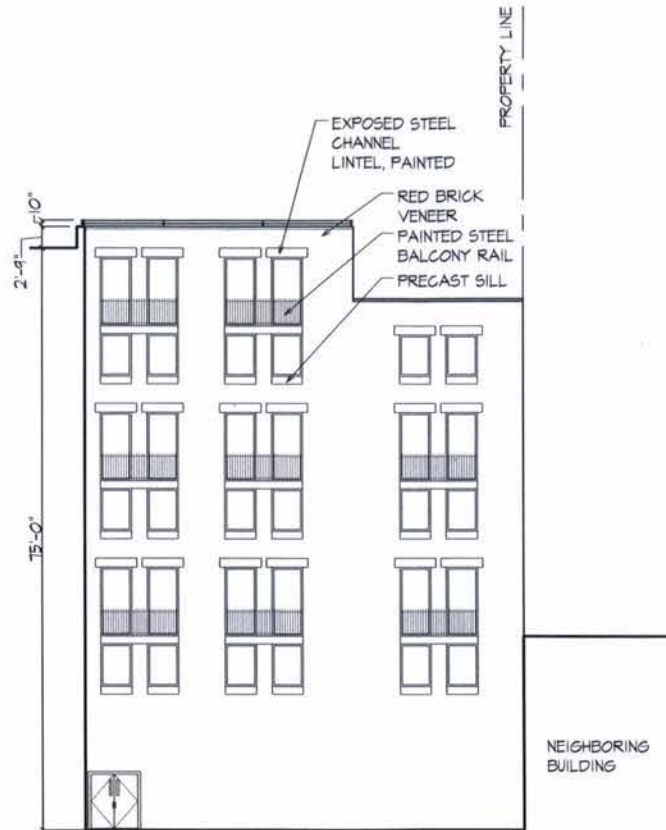
REAR YARD FACADES

6/22/2006

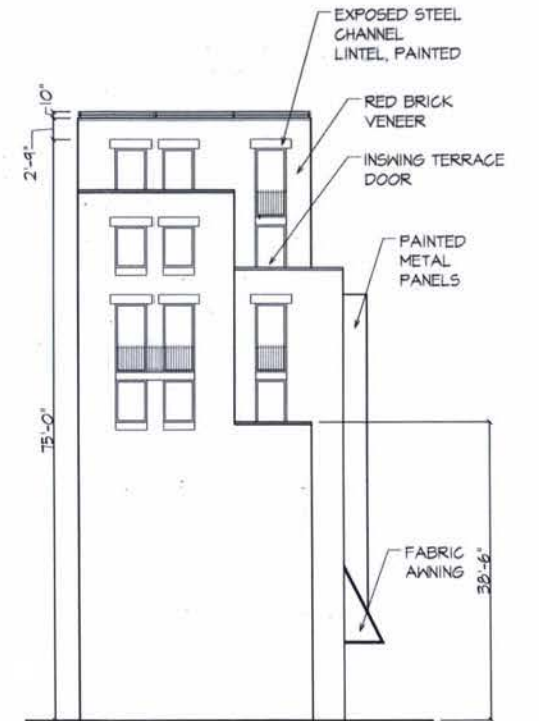




6



7



8

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SCALE: 1/16" = 1'-0"



4136 GEORGIA AVENUE

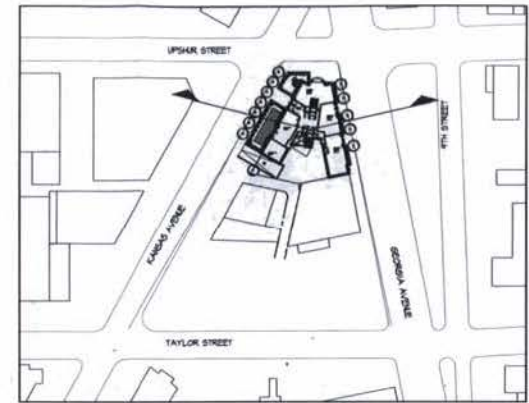
PLANNED UNIT DEVELOPMENT APPLICATION

REAR YARD FACADES

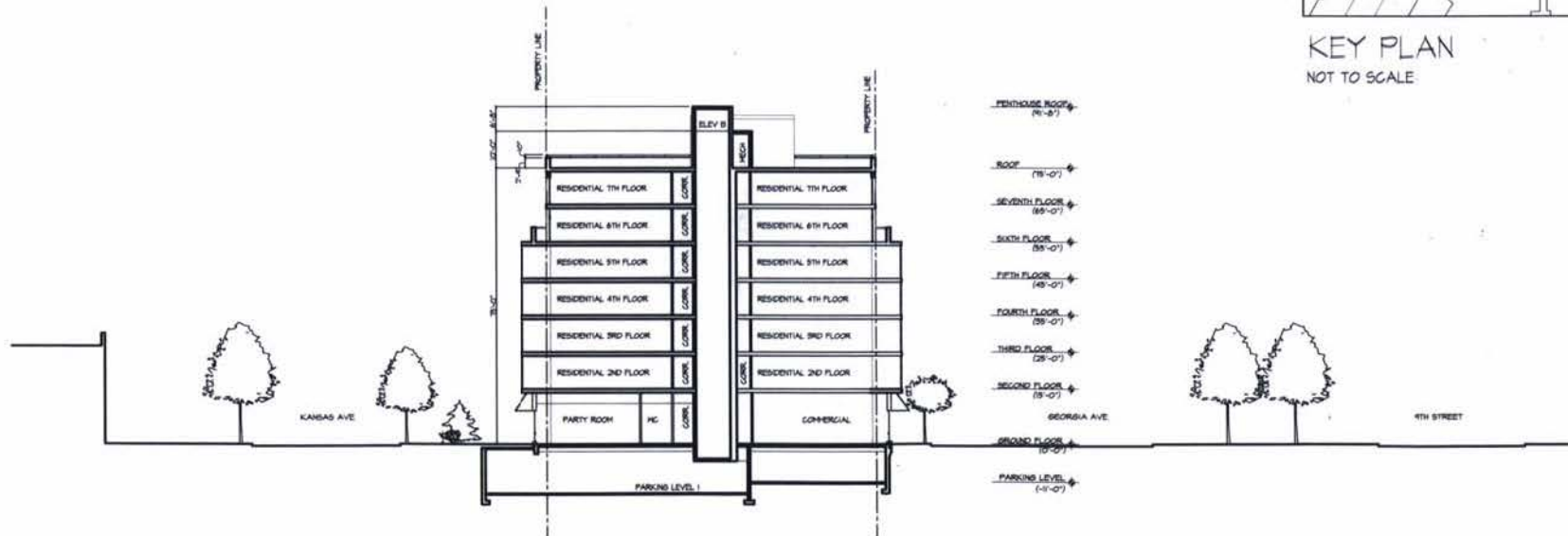
6/22/2006



28



KEY PLAN
NOT TO SCALE



4136 GEORGIA AVENUE

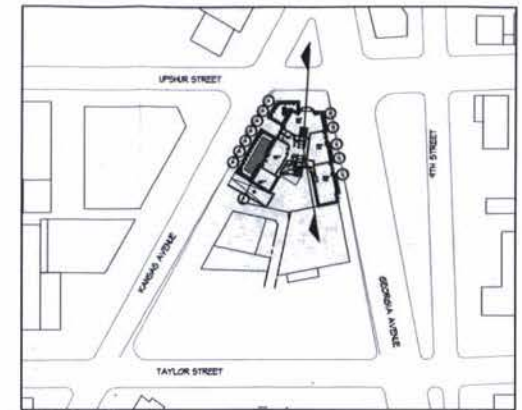
PLANNED UNIT DEVELOPMENT APPLICATION

EAST-WEST SITE SECTION

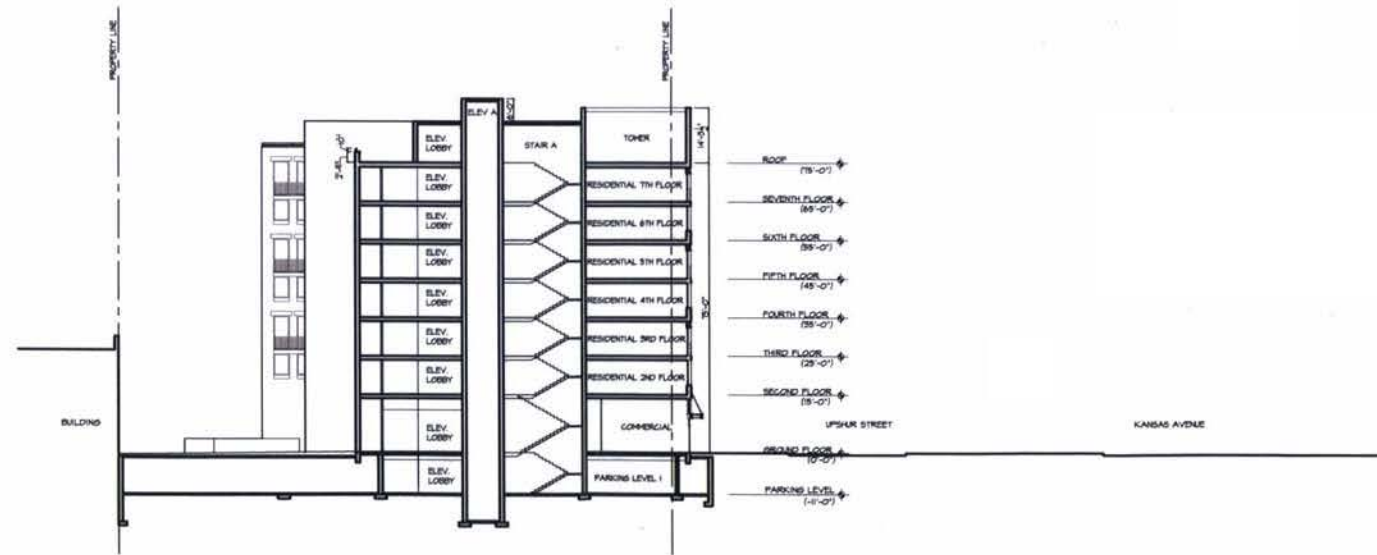
6/22/2006

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SCALE: 1/32" = 1'-0"





KEY PLAN
NOT TO SCALE



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SCALE: 1/32" = 1'-0"



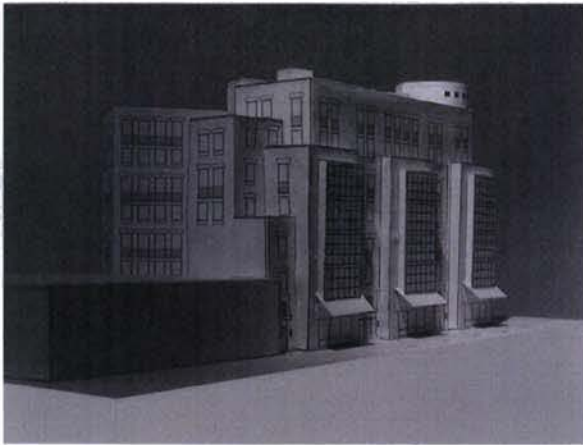
4136 GEORGIA AVENUE

PLANNED UNIT DEVELOPMENT APPLICATION

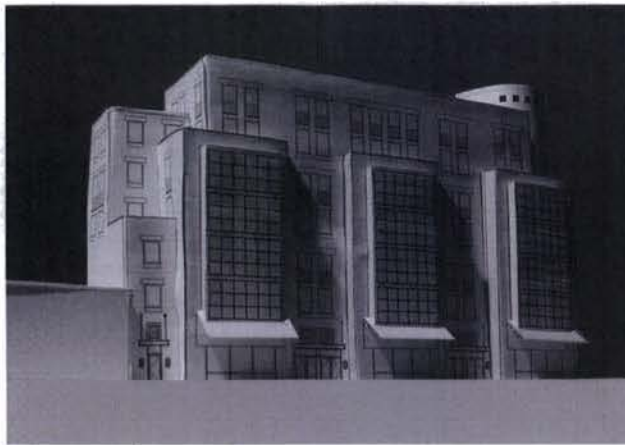
NORTH-SOUTH SITE SECTION

6/22/2006

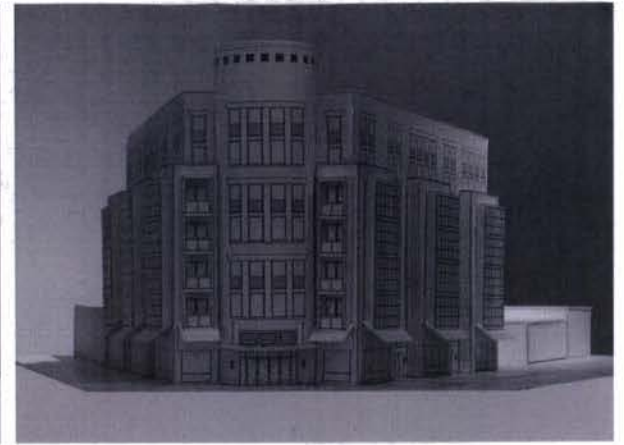




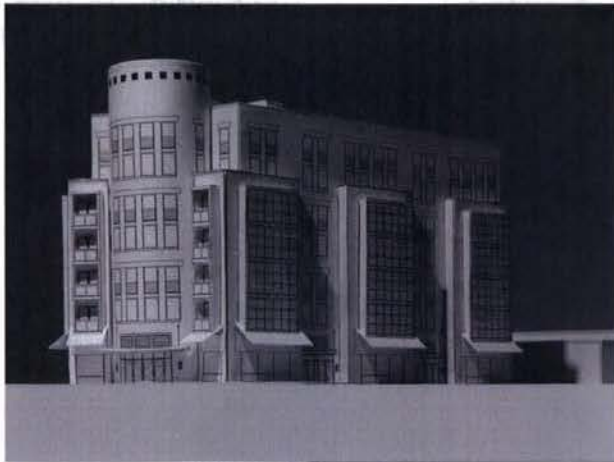
VIEW FROM SOUTHEAST ON GEORGIA AVENUE



VIEW FROM EAST ON GEORGIA AVENUE



VIEW FROM NORTH ON UPSHUR STREET



VIEW FROM NORTHWEST ON UPSHUR STREET



VIEW FROM SOUTH ON KANSAS AVENUE



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PLANNED UNIT DEVELOPMENT APPLICATION

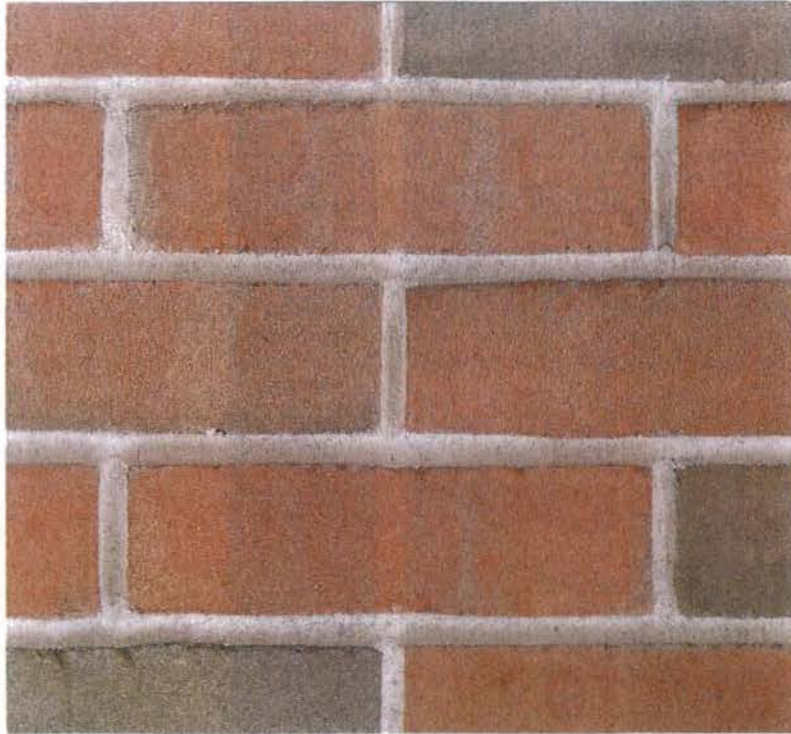
MODEL PHOTOS



FABRIC AWNING

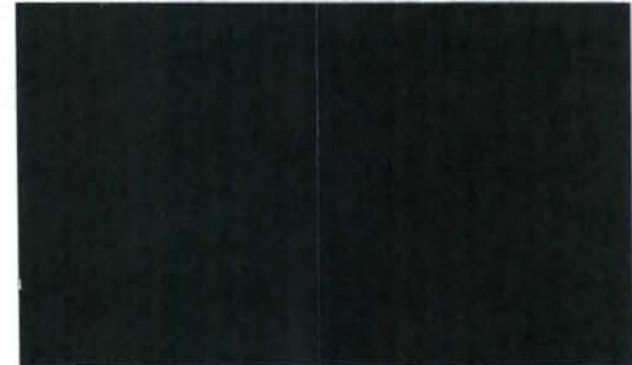


BRICK



PRECAST CONCRETE
COLUMNS AND WINDOW SILLS

DARK BRONZE PAINTED METAL
WINDOW FRAMES, LINTELS AND GUARDRAILS



4136 GEORGIA AVENUE

PLANNED UNIT DEVELOPMENT APPLICATION

GEORGIA AVENUE MATERIALS

6/22/2006

