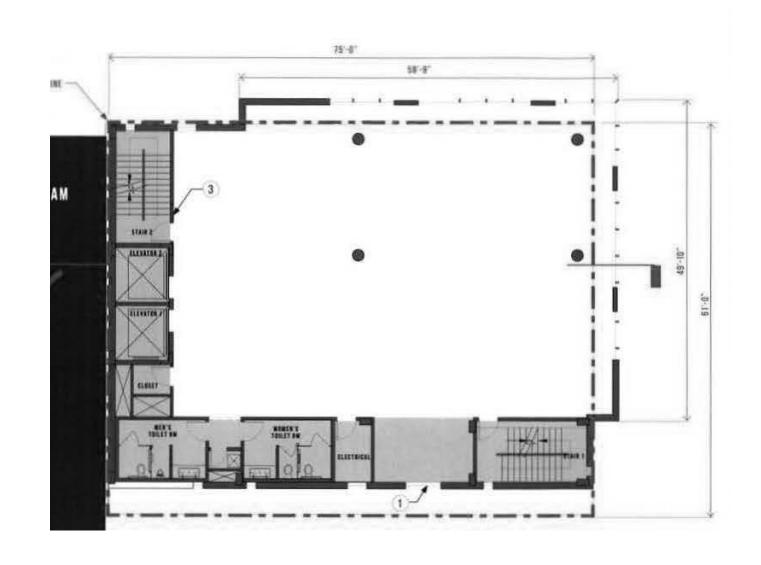
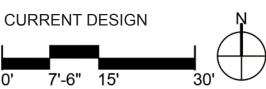
H STREET - 90' WIDE



23 RD STREET - 100' WIDE PHILIP AMSTERDAM HALL OPEN TO COURTYARD PROPERTY LINE ST MARY'S EPISCOPAL CHURCH PREVIOUSLY APPROVED BUILDING DESIGN OUTLINE

PREVIOUS DESIGN

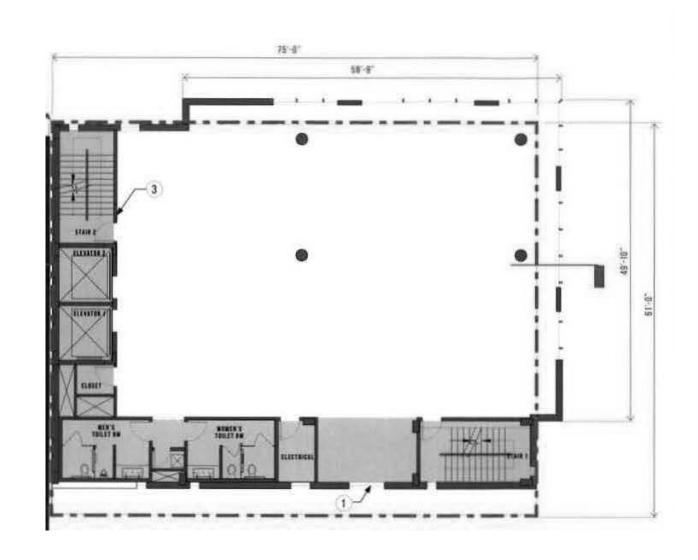


A-08

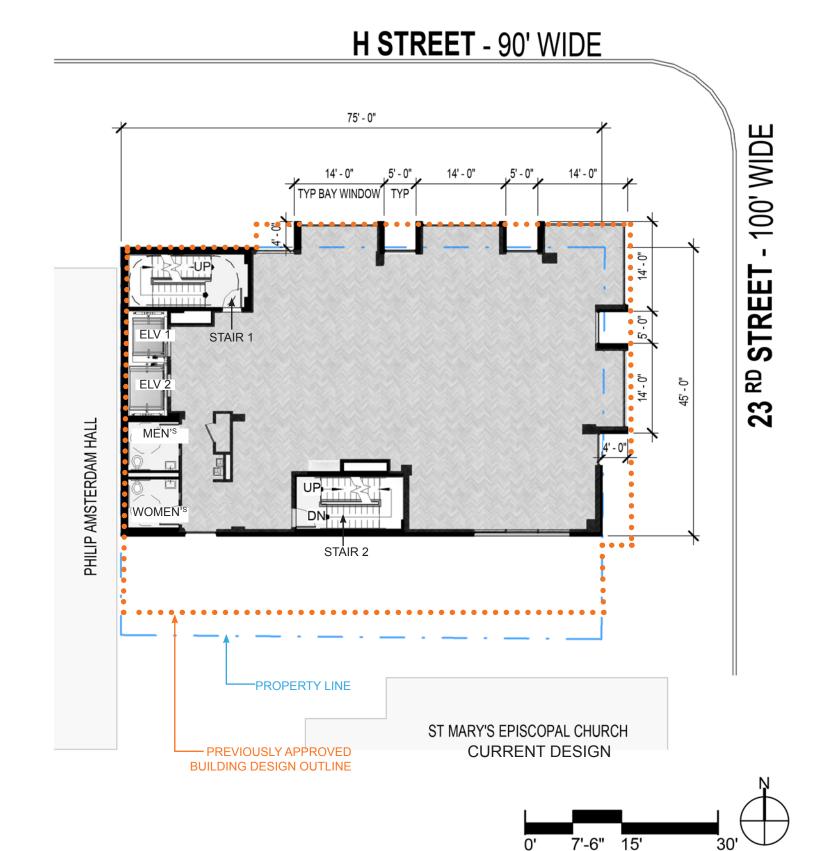
REPRESENTATIVE OF DESIGN INTENT ONLY IT IS NOT A PHOTO REALISTIC REPRESENTATION OF ACTUAL MATERIALS PROPOSED AND AS SUCH SHOULD BE CONSIDERED PRELIMINARY AT ALL STAGES.

powers brown archit ecture

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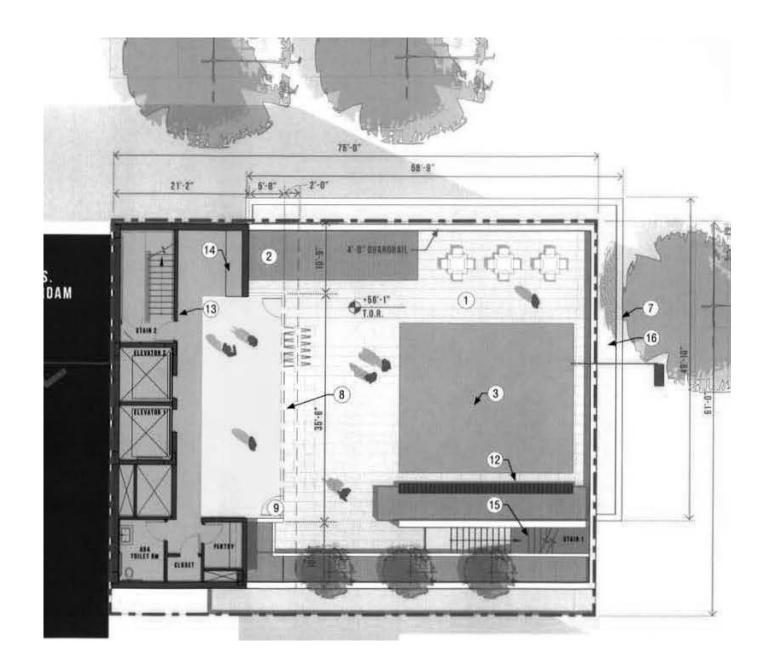
PREVIOUS DESIGN



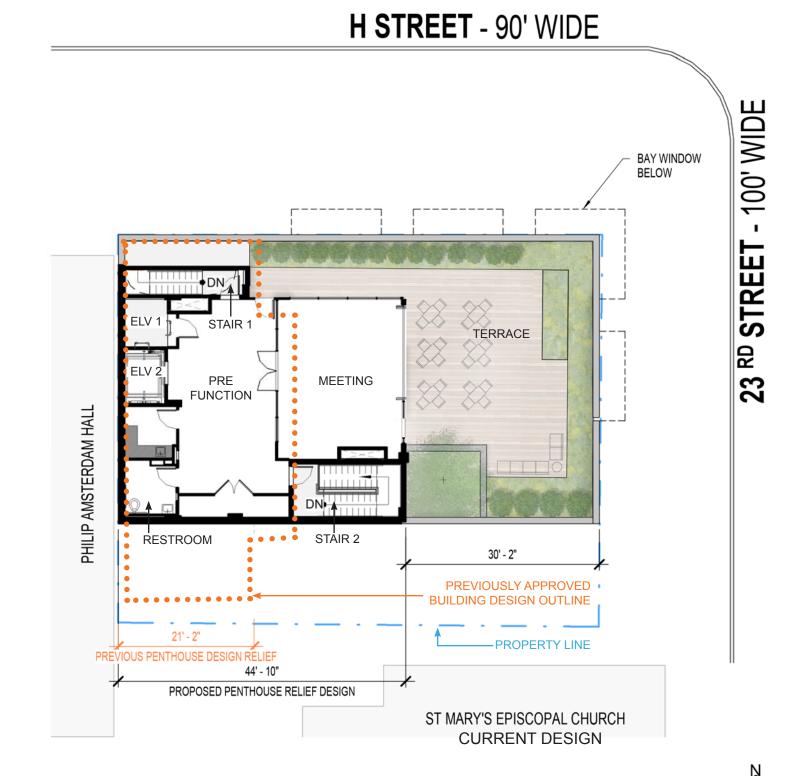
A-09
REPRESENTATIVE OF DESIGN INTENT ONLY. IT IS NOT A PHOTO REALISTIC REPRESENTATION OF ACTUAL MATERIALS PROPOSED AND AS SUCH SHOULD BE CONSIDERED PRELIMINARY AT ALL STAGES.







PREVIOUS DESIGN









7'-6" 15'

MAC

00

◆+74'-7" T.O.P.

*87'-8" 1.0.5.

◆1.0.P.

BAY WINDOW BELOW 46' - 0" TOR

H STREET - 90' WIDE

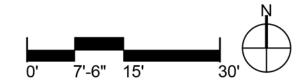


50' - 0" 56' - 0" TOS OPEN TO MECHANICAL **BELOW** SCREEN MECH EQUIP PHILIP AMSTERDAM HALL **ELEV OVER** 30' - 2" PREVIOUSLY APPROVED PROPERTY LINE PREVIOUS PENTHOUSE DESIGN RELIEF 44' - 10"

PROPOSED PENTHOUSE RELIEF DESIGN

PREVIOUS DESIGN

*56'-1" T.O.B.



ST MARY'S EPISCOPAL CHURCH

CURRENT DESIGN





GREEN AREA RATIO

GREEN AREA RATIO SCORE:

REQUIRED GAR SCORE: 0.30 **OBTAINED GAR SCORE: 0.302**

						tio Scoresheet
* *	Address 2300 H Street NW	Square 42		Lot 840		Zone District RA-4
	Other		-			
	Lot size (enter this value first) *	Lot area (sf) 4,575	Minimum Score 0.3		Multiplier SCORE:	GAR Score 0.302
	Landscape Elements	4,373	Square Feet	Factor	SCORE:	Tota
	•		Square reet	ractor		106
Α	Landscaped areas (select one of the following for each	n area)	square feet			
1	Landscaped areas with a soil depth < 24"			0.30		
2	Landscaped areas with a soil depth ≥ 24"		square feet	0.60		
			square feet			
3	Bioretention facilities			0.40		
В	Plantings (credit for plants in landscaped areas from S	ection A)			Native Bonus	
1	Groundcovers, or other plants < 2' height		square feet 300	0.20	square feet	60.0
•		# of plants		0.20	# of plants	00.0
2	Plants ≥ 2' height at maturity	20	180	0.30	16	54.0
	- calculated at 9-sf per plant	# of trees			# of trees	
3	New trees with less than 40-foot canopy spread	2	100	0.50	1	50.0
	- calculated at 50 sq ft per tree					
4	New trees with 40-foot or greater canopy spread	# of trees	٠ .	0.60	# of trees	
	- calculated at 250 sq ft per tree		_			
5	Preservation of existing tree 6" to 12" DBH	# of trees	٠.	0.70	# of trees	
,	- calculated at 250 sq ft per tree			0.70		
	D	# of trees	_		# of trees	
6	Preservation of existing tree 12" to 18" DBH - calculated at 600 sq ft per tree		0	0.70		
		# of trees			# of trees	
7	Preservation of existing trees 18" to 24" DBH			0.70		
	- calculated at 1300 sq ft per tree	# of trees			# of trees	
8	Preservation of existing trees 24" DBH or greater	,		0.80		
	- calculated at 2000 sq ft per tree		T			
9	Vegetated wall, plantings on a vertical surface		square feet 0	0.60	square feet	
_	W					
С	Vegetated or "green" roofs		square feet		square feet	
1	Over at least 2" and less than 8" of growth medium		0	0.60	0	-
2	Over at least 8" of growth medium		square feet 1,460	0.80	square feet	1,168.0
_			2).00	0.00		1,10010
D	Permeable Paving***		square feet			
1	Permeable paving over 6" to 24" of soil or gravel			0.40		
2	Permeable paving over at least 24" of soil or gravel		square feet	0.50		
2	Permeable paving over at least 24 of soil or gravel			0.50		
Ε	Other					
1	Enhanced tree growth systems***		square feet	0.40		
_			square feet			
2	Renewable energy generation		square feet	0.50		
3	Approved water features		Squarejeet	0.20		-
			= 2.040			
F	Bonuses	sub-total of sq ft	= 2,040			
1	Native plant energies		square feet	2.10		49.4
1	Native plant species		494 square feet	0.10		49.4
2	Landscaping in food cultivation			0.10		
3	Harvested stormwater irrigation		square feet	0.10		
_	_		Green Area Ratio nu			1,381
** Permeable paving and structural soil together may not qualify for more than one third of the Green Area Ratio score. Total square footage of all permeable paving and ephanoid tree growth						

GREEN AREA RATIO NOTES:

1. REFER TO DRAWINGS L0103, L0112, AND L0122 FOR PLANTING INFORMATION AND SCHEDULES. REFER TO DRAWING L0501 FOR

2. REFER TO DRAWING L0501 AND CIVIL DRAWINGS FOR BIORETENTION INFORMATION

SOIL SPECIFICATIONS:

GENERAL

1. NEW PLANTING SOIL: ASTM D 5268 TOPSOIL, WITH PH RANGE OF 5.5 TO 7, A MINIMUM OF 4

1. NEW PLANTING SOIL: ASTM D 5268 TOPSOIL, WITH PH RANGE OF 5.5 TO 7, A MINIMUM OF 4

AND A BAND OF 1 ARGER IN AN PERCENT ORGANIC MATERIAL CONTENT; FREE OF STONES 1 INCH (25 MM) OR LARGER IN ANY DIMENSION AND OTHER EXTRANEOUS MATERIALS HARMFUL TO PLANT GROWTH. MIX TOPSOIL WITH REQUIRED SOIL AMENDMENTS TO CREATE ACCEPTABLE PLANTING SOILS AS DESCRIBED THROUGH THE ANLA.

2. EXISTING PLANTING SOIL: EXISTING, IN-PLACE SURFACE SOIL. VERIFY SUITABILITY OF EXISTING SURFACE SOIL TO PRODUCE VIABLE PLANTING SOIL. REMOVE STONES, ROOTS PLANTS, SOD, CLODS, CLAY LUMPS, POCKETS OF COARSE SAND, CONCRETE SLURRY, CONCRETE LAYERS OR CHUNKS, CEMENT, PLASTER, BUILDING DEBRIS, AND OTHER EXTRANEOUS MATERIALS HARMFUL TO PLANT GROWTH. MIX SURFACE SOIL WITH THE SOIL AMENDMENTS AND FERTILIZERS AS DETERMINED BY A SOIL SCIENTISTS OR SOIL TEST TO CREATE ACCEPTABLE SOIL AS DESCRIBED THROUGH ANLA.

3 IMPORTED TOPSOIL IMPORTED TOPSOIL OR MANUFACTURED TOPSOIL FROM OFF-SITE SOURCES. OBTAIN TOPSOIL DISPLACED FROM NATURALLY WELL-DRAINED CONSTRUCTION OR MINING SITES WHERE TOPSOIL OCCURS AT LEAST 4 INCHES (100 MM) DEEP: DO NOT OBTAIN FROM AGRICULTURAL LAND, BOGS, OR MARSHES

- 4. STANDARD SOIL DEPTHS SHALL BE THE FOLLOWING:
 - A. TURFGRASS: 6-12 INCHES
 - B. PERENNIALS, GROUNDCOVERS, ORNAMENTAL GRASSES: 12-18 INCHES
 - D. TREES: 24-36 INCHES

TOPSOIL PHYSICAL AND CHEMICAL PARAMETERS

1. TOPSOIL AND SUBGRADE SHALL BE SOURCED FROM A NATURALLY OCCURRING SOIL OR SOIL THAT HAS BEEN MIXED TO ACHIEVE THE REQUIREMENTS OF THE PLANT SELECTIONS.

2. DEBRIS IN THE FORM OF PARTICLES AND STONE SHALL NOT BE GREATER THAN 1 INCH IN THE LONGEST DIMENSION. THE TOTAL VOLUME OF DEBRIS LESS THAN 1" SHOULD NOT EXCEED FIVE PERCENT OF THE TOTAL SOIL VOLUME. STONES RANGING FROM 0.5 TO 1" SHOULD NOT EXCEED FIVE PERCENT OF THE SOIL VOLUME, AND GRAVEL 1/4" TO 1/2 " SHALL NOT EXCEED FIVE PERCENT OF THE VOLUME

3. SOIL SHALL BE FREE OF CONTAMINANTS, INCLUDING BUT NOT LIMITED TO, HERBICIDES, HEAVY METALS, BIOLOGICAL TOXINS OR HYDROCARBONS

4. TEXTURE CLASS SHALL BE LOAM, SILT LOAM, SANDY CLAY LOAM, SANDY LOAM. CLAY LOAM. THE PERCENT COMPOSITIONS SHALL BE THE FOLLOWING: SAND (<70%), SILT (<70%), CLAY (<30%). PARTICLE SIZE SHALL BE THE FOLLOWING: SAND (<0.002MM), SILT (0.002MM-0.05MM),

5. ORGANIC MATTER SHOULD BE A MINIMUM OF 4 PERCENT IN LAWNS AND 5 PERCENT IN

6. SOIL PH SHALL BE BETWEEN 6 AND 7.

7. A SOIL PROFESSIONAL SHALL PROVIDE RECOMMENDATIONS FOR NUTRIENTS AND

8. SOIL DENSITY SHALL BE HIGH ENOUGH TO AVOID SETTLEMENT AND LOW ENOUGH TO ENCOURAGE ROOT GROWTH. SOIL AND SUBSOIL SHALL BE LESS THAN 260 LBS PER SQUARE

1. COMPOST SHALL BE DERIVED FROM PLANT MATERIAL AND PROVIDED BY A MEMBER OF THE US COMPOSTING SEAL OF TESTING ASSURANCE PROGRAM. COMPOST SHALL BE STABLE, WEED-FREE ORGANIC MATTER WITH A PH RANGE OF 6 TO 8. MOISTURE CONTENT SHALL BE 33 TO 55 PERCENT BY WEIGHT, 100% OF MATERIAL MUST PASS THROUGH A 1/2" SCREEN, INERT MATERIALS, SUCH AS PLASTIC, CONCRETE AND METAL, SHALL BE LESS THAN ONE PERCENT BY WEIGHT THE ORGANIC MATTER CONTENT SHALL BE BETWEEN 35 AND 65 PERCENT, SOLUBLE SALT SHALL BE LESS THAN 6 MMHOS/CM. MATURITY MUST BE GREATER THAN 80% AND STABILITY AT 7 OR LESS. THE CARBON/NITROGEN RATIO SHALL BE LESS THAN 25:1. THE COMPOST MUST HAVE A DRY BULK DENSITY FROM40 TO 50 LBS/CUBIC FEET. THE COMPOST FROM PASS THE TRACE METAL TEST.

2. PROVIDE A MINIMUM OF 5% ORGANIC MATTER CONTENT (BY WEIGHT) TO A 12" OR GREATER SOIL DEPTH

3. ADDITIONAL AMENDMENTS INCLUDE:

A. DOLOMITIC LIMESTONE CONTAINING NO LESS THAN 50% TOTAL CARBONATES AND 25% TOTAL MAGNESIUM WITH A MINIMUM NEUTRALIZING VALUE OF 100%

B. ACIDULANT - COMMERCIAL GRADE SULFURE, FERROUS SULFATE AND ALUMINUM SULFATE FOR HORTICULTURAL USE C. GRANULAR OR SLOW RELEASE FERTILIZER CONSISTING OF 50% WATER-INSOLUABLE

NITROGEN, PHOSPHOROUS AND POTASSIUM IN A COMPOSITION RECOMMENDED BY THE SOIL TESTING LABORATORY.

 CONTRACTOR TO SUPPLY FENCING OR OTHER MEASURES TO PROTECT EXISTING TOPSOIL TO REMAIN. TOPSOIL SHALL BE SEEDED, PLANTED OR MULCHED PROMPTLY TO MITIGATE EROSION AND REMAIN UNCOMPACTED, OTHER EROSION CONTROL METHODS MAY BE USED TO PROVIDE STABILIZATION

2. DISTURBED TOPSOILS MUST BE AMENDED WITH COMPOST TO A MINIMUM OF 5 PERCENT ORGANIC MATTER CONTENT. ADD 1.75 INCHES OF COMPOST PER 8 INCHES OF TOPSOIL AND INCORPORATED BY TILLING PRIOR TO RESPREADING. SCARIFY THE SUBGRADE DOWN TO A 4 INCH DEPTH. THE AMENDED SOIL AND SUBSOIL TOGETHER SHALL BE A MINIMUM OF 12" DEPTH.

3. CONTRACTOR TO USE A BACKHOE OR SIMILAR DEVICE TO SCARIFY AND LOOSEN THE SUBGRADE A MINIMUM OF 6 INCHES, REMOVE ALL DEBRIS OR STONES LARGER THAN 1 INCH. SPREAD APPROXIMATELY 1/2 THE THICKNESS OF THE TOPSOIL OVER THE LOOSENED SUBGRADE. MIX THOROUGHLY INTO THE TOP 4 INCHES OF SUBGRADE. SPREAD THE

4 MATERIAL SHALL NOT BE HANDLED OR HALLED WHILE WET OR FROZEN AND SHALL BE HANDLED ONLY WHEN THE MOISTURE CONTENT IS LESS THAN AT FIELD CAPACI

5. TOPSOIL SHALL BE SPREAD NO GREATER THAN 12" LIFTS AND SHALL BE COMPACTED TO THE PROPER SOIL DENSITY SUITABLE FOR ROOT GROWTH AND PLANT STABILITY.

PLANTING MAINTENANCE NOTES:

. PROVIDE SUPPLEMENTAL WATER IF RAINFALL IS LESS THAN 1 INCH PER WEEK DURING

2. REMOVE DEAD, DYING OR INVASIVE PLANT MATERIAL AS NEEDED. REPLACE IN THE NEXT APPROPRIATE GROWING SEASON TO MAINTAIN VEGETATIVE DENSITY

3. REPLACE MULCH EVERY 2-3 YEARS OR AS NECESSARY TO A DEPTH OF 2-3". DO NOT

4. PROVIDE SPRING AND FALL PROPERTY CLEANUP, INCLUDING BUT NOT LIMITED TO, REMOVAL OF LEAVES, LITTER AND DEBRIS, PRUNING, INSPECTION, AND WINTERIZATION.

1. FOR TREES, INSTALL SLOW LEAK WATERING BAGS OR TREE BUCKETS DURING THE FIRST TWO GROWING SEASONS. REMOVE BAGS OR BUCKETS ONCE TREE IS ESTABLISHED.

2. INSPECT TREES AND SHRUBS FOR DEAD, DISEASED OR CROSSING BRANCHES AND PRUNE ACCORDINGLY. REMOVE HAZARD LIMBS FROM ESTABLISHED TREES. DO NOT REMOVE MORE THAN 20% OF THE TREE CANOPY DURING PRUNING ACTIVITIES. SHAPE SHRUBS AND TREES IN ACCORDANCE WITH INDUSTRY STANDARDS

3 LIMIT GRADE CHANGES AND SOIL DISTURBANCE UNDERNEATH A TREE'S OR SHRUB'S

PERENNIALS AND GROUNDCOVERS

1. DEADHEAD TOP GROWTH FROM PERENNIALS AND WARM-SEASON GRASSES IN EARLY

2. PERIODICALLY DIVIDE PERENNIALS AS NEEDED TO REJUVENATE GROWTH.

POST-CONSTRUCTION TREE PRESERVATION

1. ALL DEAD TREES SHALL BE REPLACED WITH AN EQUIVALENT LANDSCAPE ELEMENT TO MEET THE MINIMUM REQUIRED GAR SCORE FOR THE SITE.

2. IF APPLICABLE, APPLY 3" DEPTH MULCH OVER THE SOIL SURFACE OUT TO THE DRIP LINE. IF TREES ARE CLUSTERED MULCH THE ENTIRE PLANTING AREA. DO NOT PLACE MULCH AGAINST THE TRUNK OF THE TREE. USE ORGANIC MULCHES SUCH AS SHREDDED BARK, COMPOST OR LEAF MULCH. DO NOT USE GRASS CLIPPINGS OR SAWDUS

3. PRUNE DEAD, DISEASED, BROKEN OR CROSSING BRANCHES AS NEEDED. ELEVATE LOWER BRANCHES TO PROVIDE CLEARANCE FOR PEDESTRIANS AND VEHICLES BELOW NEVER PRUNE MORE THAN 20% OF THE CANOPY PER YEAR.

4. EXISTING TREES WHOSE ROOTS HAVE BEEN PRUNED DURING CONSTRUCTION SHOULD BE WATERED ONE PER WEEK DURING THE FIRST GROWING SEASON AFTER

5. WATER TREES DEEPLY AND SLOWLY WITH SOAKER HOSES AND DRIP IRRIGATION

PROJECT PLAN NO. TBD

STATEMENT BY CERTIFIED LANDSCAPE EXPERT

This is to certify that I have examined all required GAR plan submittals prior to submission. I further certify that all aspects of the submittal, including landscape elements within the Lot and the listed GAR score, meet the specifications required under Chapter 34 of Titel I of the District of Columbia Municipal Regulations.

CRAIG ATKINS, RLA, ASLA, LEED AP WILES MENSCH CORPORATION
Address 11860 SUNRISE VALLEY DR, SUITE 200, RESTON, VA 20191 Phone No: 703-391-7600

A-012

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2300 H STREET a project for **GW HILLEL**

WASHINGTON



06/26/18 172014 DC