



Neighborhood Development Company



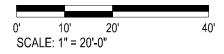
EADS STREET APARTMENTS

Landscape Plan

IF______

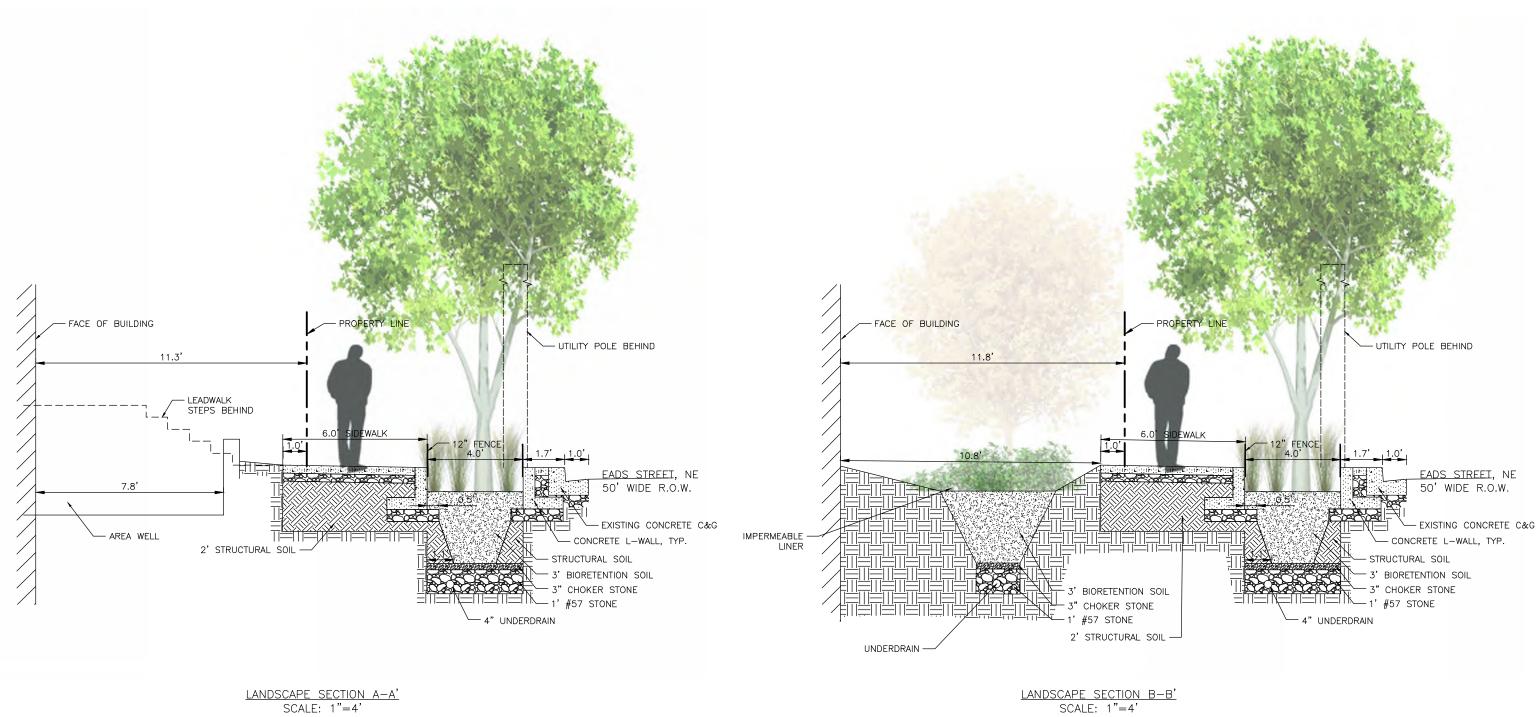
KEYNOTES

	°, CLL №10.631 8, CLL №120	1	LOADING ENTRANCE, SEE SITE PLAN
	40.(2	TREE BOX WITH EXISTING TREE, TREE FENCE ON 3 SIDES
		3	TREE BOX WITH NEW TREE, TREE FENCE ON 3 SIDES
		4	BIORETENTION PLANTING AREA, TREE FENCE ON 4 SIDES
1.20		5	3' X 3' DDOT SCORED CONCRETE
		6	STAIR TO 2-LEVEL INDIVIDUAL UNIT ENTRANCES
$h = \sqrt{2}$		7	EXISTING DDOT COBRAHEAD STREETLIGHT
		8	ON-SITE BIORETENTION AREA, PLANTED WITH NATIVE TALL GROUNDCOVER / LOW SHRUBS AND SMALL TREES
		9	5TH FLOOR EXTENSIVE GREEN ROOF (4"-8" DEPTH)
		10	UPPER ROOF EXTENSIVE GREEN ROOF (4"-8" DEPTH)
	8' CLF	1	AREAWAY BELOW, SEE ARCH. PLANS
40.90		12	ADA RAMP TO BUILDING ENTRANCE
40.35	CONCRETE CUI & GUTTER	13	STAIR TO BUILDING ENTRANCE
		14	GARAGE ENTRANCES ALONG ALLEY
	W	15	LANDSCAPE AREA, PLANTED WITH NATIVE TALL GROUNDCOVER / LOW SHRUBS
BM#501			
40.48	CONCRETE CUR <u>& GUTTER</u>		E: FINAL STREETSCAPE MATERIALS BE COORDINATED WITH MINNESOTA
41.05 WM 41.28		AVE	2 - BENNING ROAD GREAT STREETS CAL PLAN, AS REQUIRED
41.41	CONCRETE WALK		AL FLAIN, AS REQUIRED
+1.41			



LA-1.1

ZONING COMMISSION District of Computing 4.2017 CASE NO.16-20 EXHIBIT NO.23A2



LANDSCAPE SECTION B-B' SCALE: 1"=4'



Neighborhood Development Company



EADS STREET APARTMENTS

Landscape Details

LA-1.2

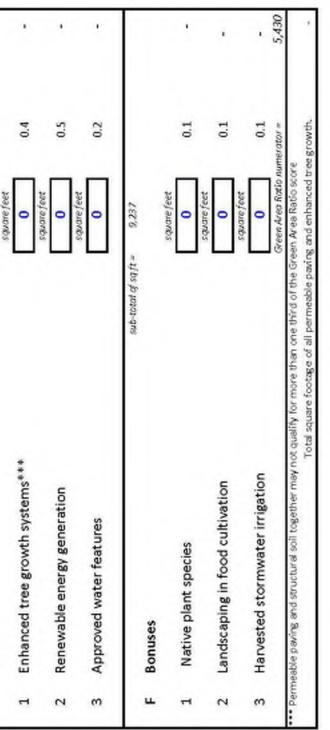
Muttplier Square feet Amttplier square feet 6 square feet 0		Address 3450 Eads Street NE		*	Zone District
Mathematication Amountable of the second state of the following for each area in a soil depth > 24" Amountable of the second state of the following for each area in a soil depth > 24" Amountable of the second state of the following for each area in a soil depth > 24" Amountable of the second state of the following for each area in a soil depth > 24" Amountable of the second state of the following for each area in a soil depth > 24" Amountable of the second state of the following for each area in a soil depth > 24" Amountable of the second state of the second state of the second state of the following for each area in a soil depth > 24" Amountable of the second state of the seco		F	/105		7-0MI
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Indicate one of the following for each area Indicate of the following follo		1.00		Factor	Tota
Indecepted areas with a soli depth < 24"	A		th area)		
Indicated areas with a soli depth > 24" Imagine Indication facilities Imagine Internation facilities Imagine <	ч	Landscaped areas with a soil depth < 24"	o 0	_ 0.3	
Bornetion facilities Construction Partings (recedit for plants in landscaped areas from Section A) Coundcovers, or other plants <2' height at maturity	2	Landscaped areas with a soil depth≥ 24"	square feet	D 0.6	•
Planting creatifies plants of classical and search and section A Approximation of classical and classes of plants of classes of plants and classes of plants and classes of plants and classes of plants and classes of cla	m	Bioretention facilities	square feet	0.4	194.8
Groundcovers, or other plants < 2' height	8	Plantings (credit for plants in landscaped areas from :			
Plants 22' height at maturity 0 0 0 0 0 Inducted at 9-5 per plant. Inducted at 9-5 per plant. 0 0 0 Inducted in the set inturb. Pertennials, and Grasses 22' height Inducted in the set inturb. Pertennials, and Grasses 22' height 0 0 0 Inducted in the set inturb. Pertennials, and Grasses 22' height Inducted in the set inturb. Pertennials, and Grasses 22' height 0 0 0 Inducted in the set inturb. Of cost on greater canopy spread Inducted in the set inturb. Pertension of existing tree 6'' to 12'' DBH 0 0 0 Inducted at 250 sqlt per tree Inducted in the tree Inducted in the set interfere Inducted in the set interfere 0 0 Preservation of existing trees 13'' to 24'' DBH 0 0 0 0 0 Inducted at 600 sqlt per tree Inducted in the set interfere Inducted in the set interfere Inducted in the set interfere 0 0 Inducted at 1300 sqlt per tree Inducted in the set interfere Inducted in the set interfere Inducted in the set interfere 0 0 Inducted at 1300 sqlt per tree Inducted in the set interfere Inducted in the set interfere Inducted in the set interfere 0 0 Inducted at 1300 sqlt per tree Inducted in the set interfere Inducted i	ч	Groundcovers, or other plants < 2' height	· · · · ·	<u>П</u> 0.2	
approvement Another A constants, and Grassess 2.2 height a faither a fait	2	Plants 22' height at maturity - calculated at 9-sf per plant		0.3	
Mol flotted Interswith task than 40-foot canopy spread Interswith less than 40-foot canopy spread Interswith 40-foot or greater Interswith 40-foot		Π	2' height		
New trees with less than 40-foot canopy spread - calculated at 50 sq ft per tree a grass calculated at 50 sq ft per tree we trees with 40-foot or greater canopy spread calculated at 250 sq ft per tree frees transmont of existing tree 12" to 13" DBH calculated at 250 sq ft per tree frees transmont of existing tree 12" to 13" DBH calculated at 250 sq ft per tree frees transmont of existing trees 13" to 24" DBH calculated at 1300 sq ft per tree frees transmont of existing trees 13" to 24" DBH calculated at 1300 sq ft per tree frees transmont of existing trees 13" to 24" DBH calculated at 1300 sq ft per tree frees frees transmont of existing trees 13" to 24" DBH calculated at 1300 sq ft per tree frees frees frees trees frees transmont of existing trees 13" to 24" DBH frees frees frees frees frees frees frees frees frees frees		Π	nimum planting size		
Mark trees with 40-foot or greater canopy spread af trees af trees af trees o to the tree af trees o to the tree o to the tree o the trees af trees o the trees af trees o the trees <tho th="" the="" trees<=""> o the trees</tho>	m	New trees with less than 40-foot canopy spread - calculated at 50 sq ft per tree	яП	0.5	75.0
reservation of existing tree 6" to 12" DBH existing - calculated at 250 sq ft per tree # of tree 0 0 - calculated at 250 sq ft per tree # of tree 0 0 - calculated at 600 sq ft per tree # of tree 0 0 0 - calculated at 1300 sq ft per tree # of tree 0 0 0 - calculated at 1300 sq ft per tree # of tree 0 0 0 - calculated at 1300 sq ft per tree # of tree 0 0 0 - calculated at 2000 sq ft per tree # of tree 0 0 0 - calculated at 2000 sq ft per tree # of tree 0 0 0 Vegetated or "green" roofs 0	4	New trees with 40-foot or greater canopy spread - calculated at 250 sq ft per tree	"П	0.6	
Preservation of existing trees 1 of ited 0 0 - calculated at 600 sq ft per tree # of ited 0 0 0 Preservation of existing trees 18" to 24" DBH • o 0 0 0 - calculated at 1300 sq ft per tree # of ited 0 0 0 - calculated at 1300 sq ft per tree # of ited 0 0 0 - calculated at 1300 sq ft per tree # of ited 0 0 0 - calculated at 2000 sq ft per tree # of ited 0 0 0 Vegetated wall, plantings on a vertical surface 0 0 0 0 0 Vegetated or "green" roofs Over at least 2" and less than 8" of growth medium # of ited 0 0 0 Over at least 2" of growth medium @ o 0	ŝ	Preservation of existing tree 6" to 12" DBH - calculated at 250 sq ft per tree	55	0.7	•
Preservation of existing trees 18" to 24" DBH Image trees Image trees 0 0 0 - calculated at 1300 sq ft per tree Image trees Image trees Image trees 0 <t< td=""><td>9</td><td>Preservation of existing tree 12" to 18" DBH - calculated at 600 sq ft per tree</td><td></td><td>0.7</td><td></td></t<>	9	Preservation of existing tree 12" to 18" DBH - calculated at 600 sq ft per tree		0.7	
Interservation of existing trees 24" DBH or greater	2	Preservation of existing trees 18" to 24" DBH - calculated at 1300 sq ft per tree	П	0.7	•
Vegetated wall, plantings on a vertical surface 0 0.6 Vegetated or "green" roofs 0 0.6 Vegetated or "green" roofs 0 0.6 Over at least 2" and less than 8" of growth medium gavare feet 0.6 Over at least 2" and less than 8" of growth medium gavare feet 0.6 Over at least 8" of growth medium gavare feet 0.6 Permeable Paving** square feet 0.8 Permeable paving over 6" to 24" of soil or gravel gavare feet 0.4 Other 0 gavare feet 0.6	00	Preservation of existing trees 24" DBH or greater - calculated at 2000 sq ft per tree	п	0.8	
Vegetated or "green" roofs square feat Over at least 2" and less than 8" of growth medium 8,600 0.6 Over at least 8" of growth medium 8,600 0.8 Over at least 8" of growth medium 0 0.8 Permeable Paving*** 0 0.4 Permeable paving over 6" to 24" of soil or gravel 0 0.4 Other 0 0.4 Other 0 0.4	б		o square feet	D 0.6	·
Over at least 2" and less than 8" of growth medium 8,600 0.6 Over at least 8" of growth medium 9,00 0.8 Over at least 8" of growth medium 0 0.8 Permeable Paving*** 0 0.8 Permeable Paving*** squarefect 0.4 Permeable paving over 6" to 24" of soil or gravel 0.4 0.4 Other 0 0.5 0.4	U	Vegetated or "green" roofs			
Over at least 8" of growth medium 0 0.8 Permeable Paving*** 0 0.8 Permeable Paving*** square feet 0.4 Permeable paving over 6" to 24" of soil or gravel 0 0.4 Permeable paving over at least 24" of soil or gravel 0 0.5 Other 0 0.5	ч	Over at least 2" and less than 8" of growth medium	8,600	D 0.6	5,160.0
Permeable Paving*** square feat Permeable paving over 6" to 24" of soil or gravel aquare feat Permeable paving over at least 24" of soil or gravel 0 Other 0	3	Over at least 8" of growth medium	0 square feet] 0.8	
Permeable paving over 6" to 24" of soil or gravel of soil or gravel of source feet Permeable paving over at least 24" of soil or gravel 0 0	٥	Permeable Paving***			
Permeable paving over at least 24" of soil or gravel	ч	Permeable paving over 6" to 24" of soil or gravel	o 0] 0.4	·
Other	3		0] 0.5	•
	ш	Other			





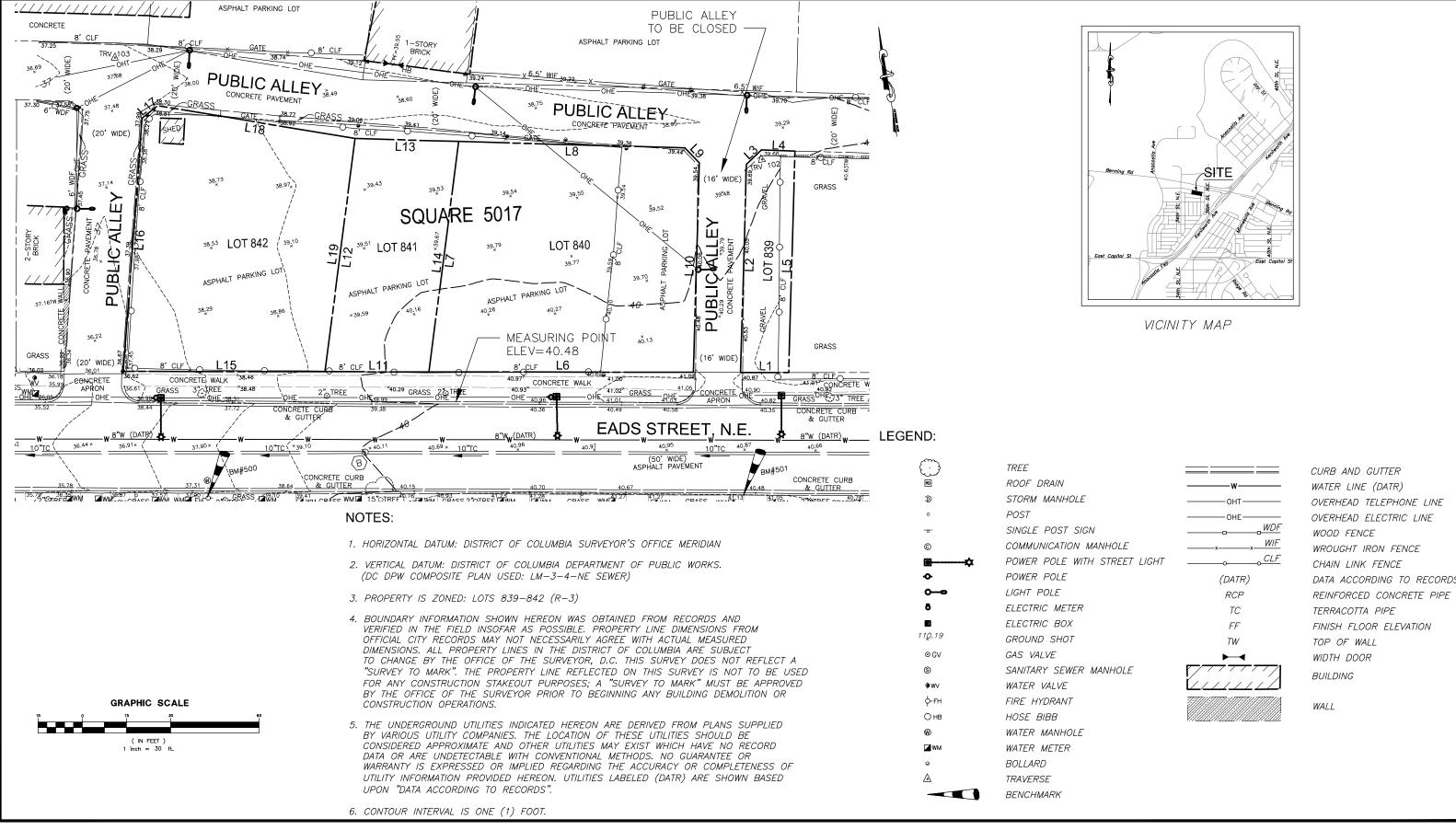


GAR Calculations



*REQUIRED GAR SCORE FOR ZONE MU-7 IS 0.25

LA-1.3



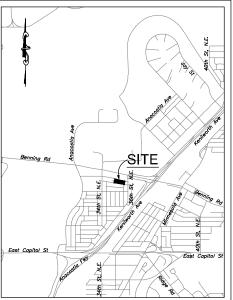
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Neighborhood Development ompany

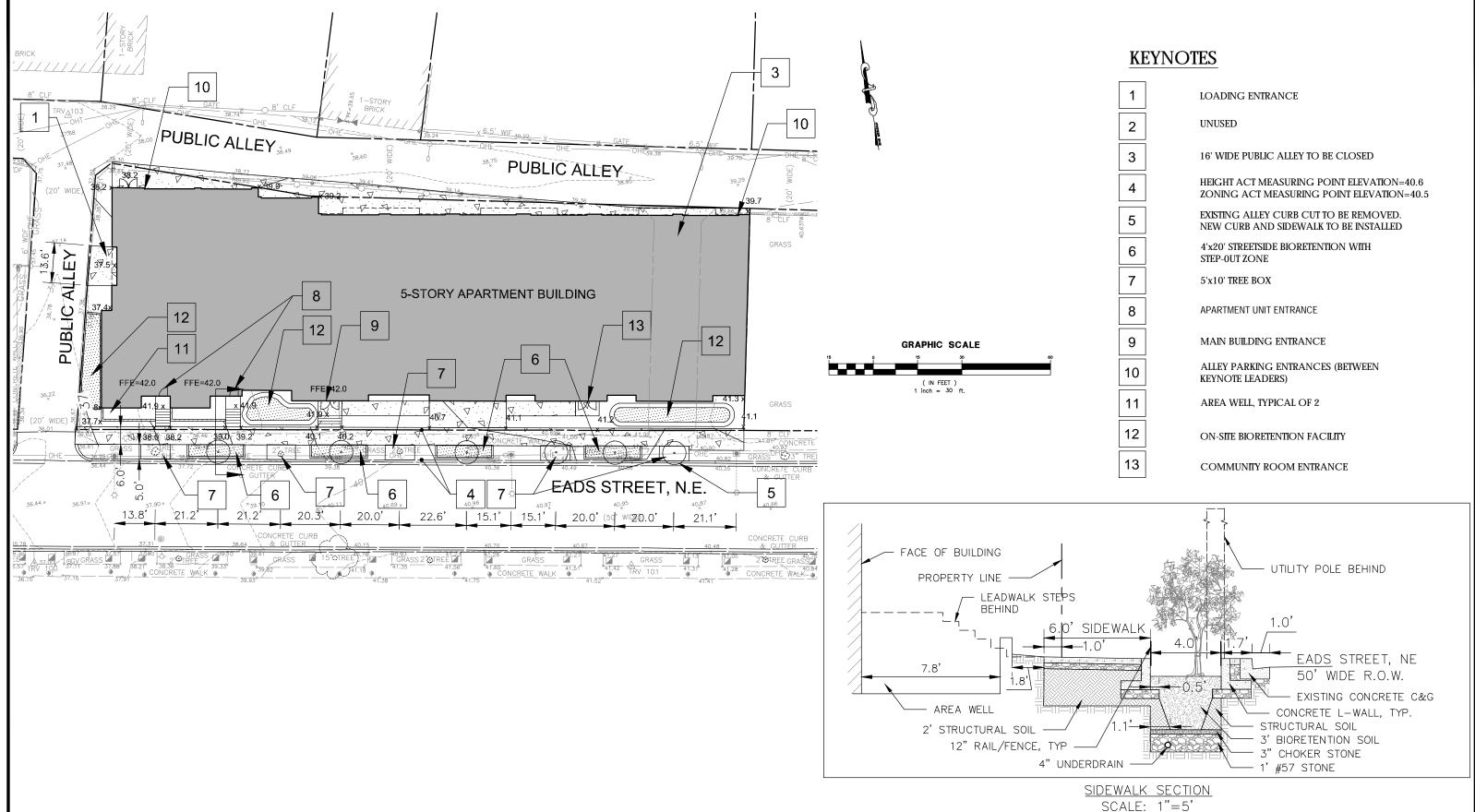


EADS STREET APARTMENTS

Existing Conditions Plan



C - 1.1

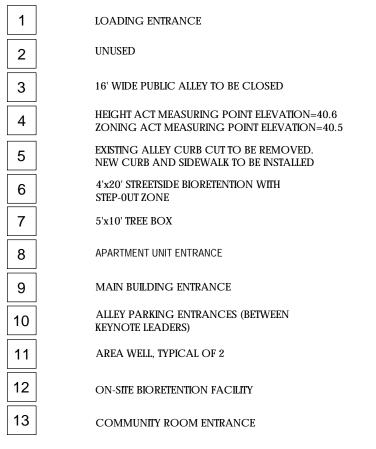




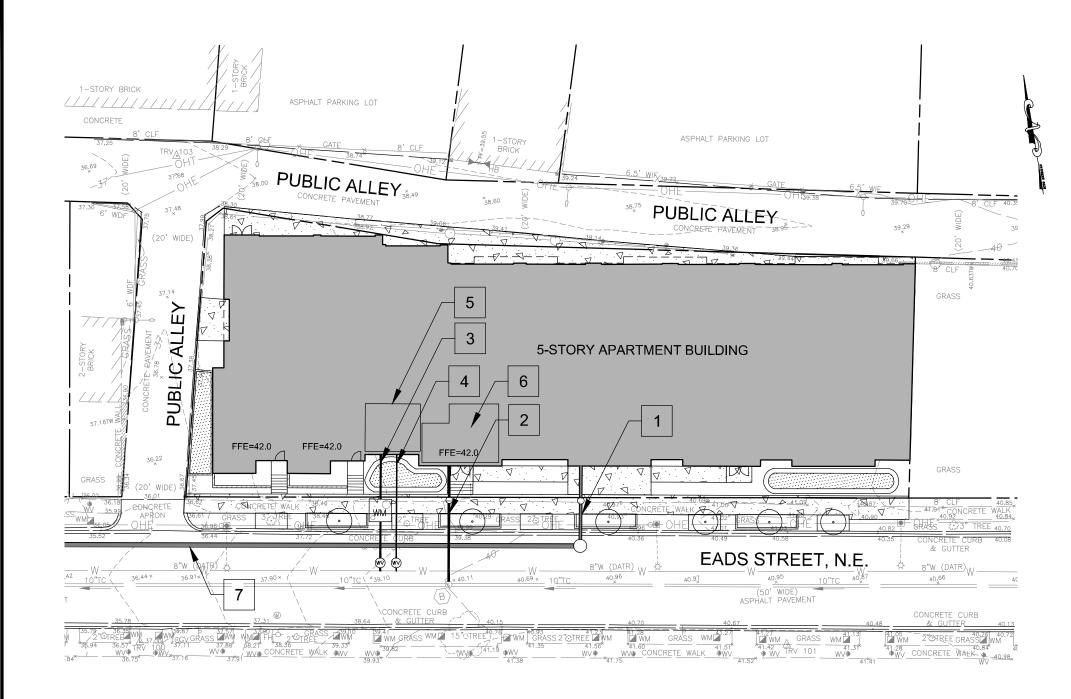




Site Grading Plan

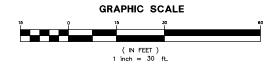


C - 1.2



1

2





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EADS STREET APARTMENTS

Utility Plan

KEYNOTES

STORM CONNECTION TO NEW STORM DRAIN

SANITARY CONNECTION TO 10" SANITARY SEWER MAIN AT EXISTING MANHOLE

4" DOMESTIC WATER CONNECTION TO 8" WATER MAIN

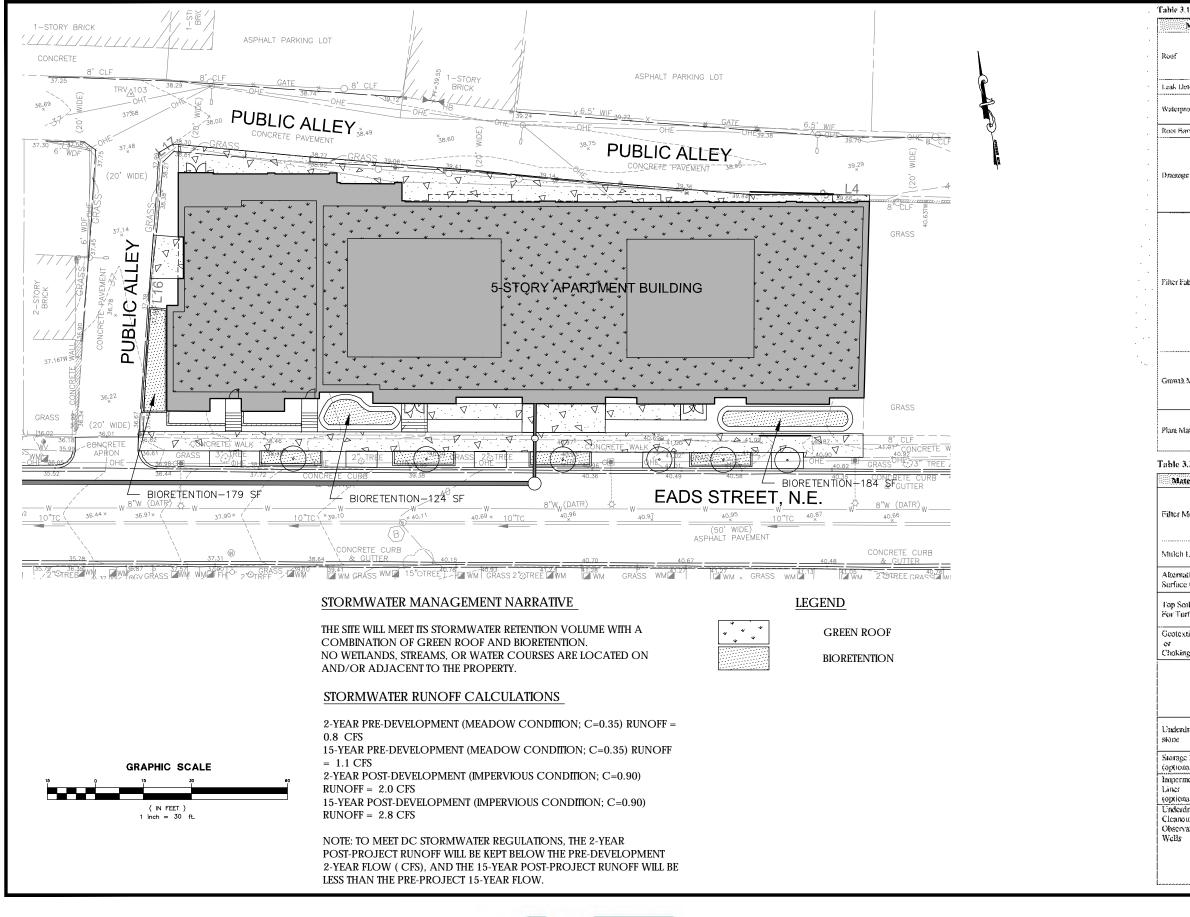
6" FIRE CONNECTION TO 8" WATER MAIN

WATER ROOM

ELECTRICAL ROOM

NEW 15" RCPR STORM DRAIN TO CONNECT TO EXISTING STORM INFRASTRUCTURE IN 34TH STREET, NE

C - 1.3



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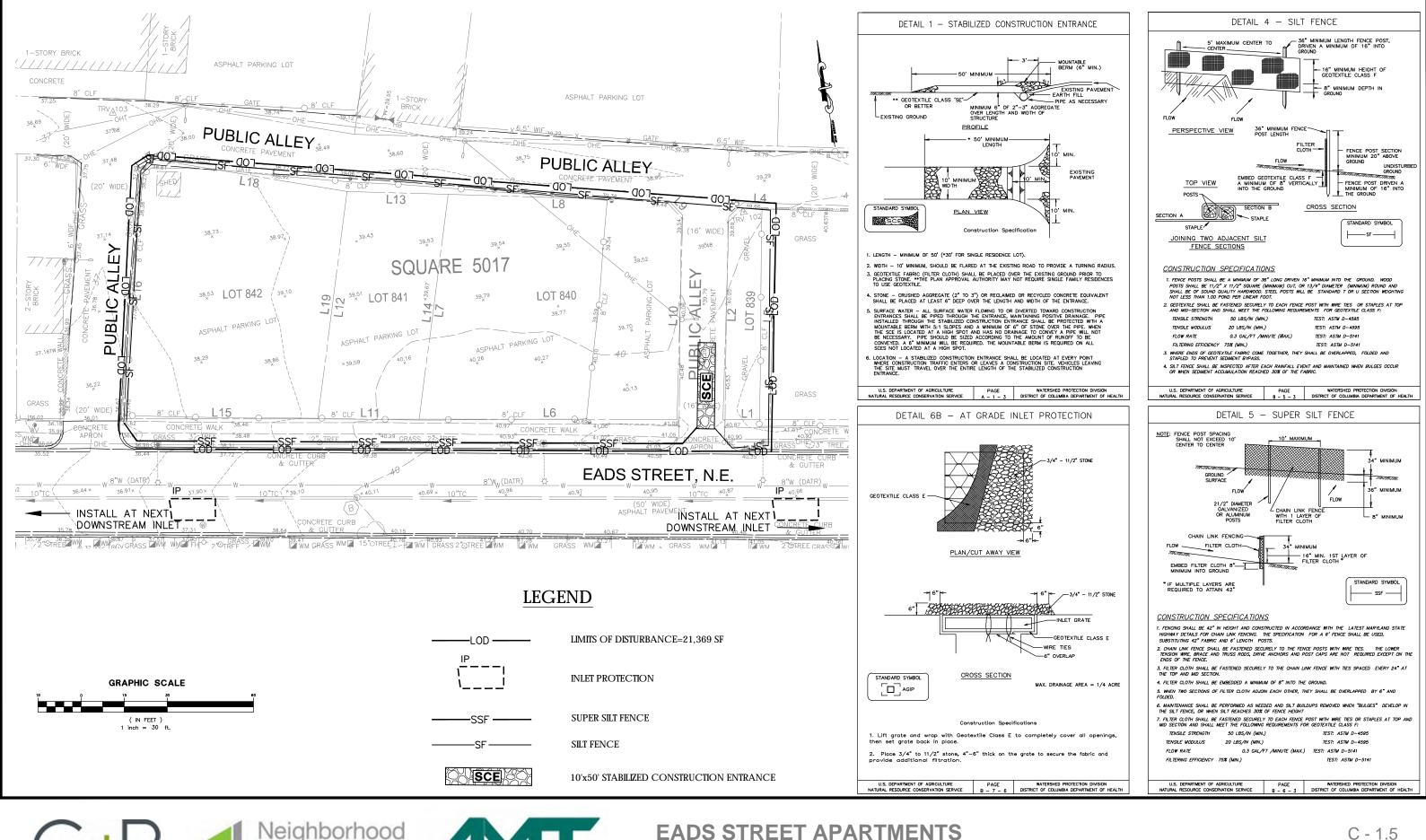
Stormwater Management Plan

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Material	Specification				
	Structural capacity must coulorm to ASTM E-2397405. Principle for Determination of Live Loads and Durid Londs Associated with Vigentative (Green Roof Systems, In addition, use standard test methods ASTM E-2398405 for Write Clapture and Media Remation of Clavorompositic Draw Layers for Green (Capatre and Media ASTME, 2399-05 for Maximum Media Density for Decad Lond Analysis.				
Jetection System	Optional system to detect and lucate loaks in the waterproof membrane				
proof Meminane	See Chapter 6 of Weiler and Scholz-Barth (2009) for waterproofing options that are designed to corvey water horizontally across the roof surface to drains or gutter. This layer new sometimes set as a root barrier.				
Sanies	Impermeable liner that impedes root penetration of the membrane				
fic paiet	Depth of the dramage layer is generally 0.25 to 1.5 taches thick for extensive designs. The dramage layer should consist of synthetic or insergatic materials (e.g., gared). Ingli density polyethylene (HDPE), etc.) that are capable of retaining water and providing efficient dramage. A wide range of prefabricated water cups or plastic modules can be used as well as a traditional system of protected nucl drams, conductors, and roof leaders. Designers should consult the material specifications as outlined in ASTM E2306 and E2308. Roof drams and emergency overflow must be designed in accordance with the District's construction code (DCMR, Title 12)				
Habrie	 Generally accdic-panchal, non-woven, polyprepylere geotextile, with the following quathoes Strong enough and adequate puncture resistance to withstand stresses of installing other layers of the green root. Density is ger /STM 10776 ≥ 8 o7/d². Paremire resistance as per ASTM 10776 ≥ 8 o7/d². Paremire resistance as per ASTM 104833 ≥ 130 fb. These values can be reduced with submission of a Product Data Sheet and other documentation that demonstrates applicability for the mended use. Adequate tensile strength and tear resistance for long term performance. Allows a good flew of water to the drainage layer. Applicability for the mended use. Allows a good flew of water to the drainage layer. Applicability for a documentation share based on Product Data Sheet and other documentation and after costancemation. Allows in least flue roots to generate. 				
h Media	70% to 80% fightweight inorganic materials and a uncernate of 50% organic matter (e.g., well-orged composition appeally loss a uncernate water technico of opprovations 30%. Material making and proof of maximum water retention of the growing insettia must be provided. Media must provide sufficient authents and water holding capacity to support the proposed plant materials. Determine acceptable submitted water permeability using ASTM E2360-05.				
vlaterials	Section, herbaceous plants, and perenanal gausses that are shallow-rooted, low maintenance, and tolerant of direct sunlight, drought, which, and frost. See ASTM 122400-306. <i>Unrule for Selection, Installation and Maintenance of Plants for Green</i> Vegenared Root Nsteins.				

Table 3.22 Bioretention Material Specifications

terial	Specification	Nutes			
Media	See Table 3.20	Minimum depth of 34 inches (18 inches for small-scale practices) To account for setting/compaction, it is recommended that 110% of the plan volume be utilized.			
i Layer	Use aged, shredded hardwood bark mulch	Lay a 2 to 3-such layer on the surface of the filter bed.			
iative :e Cover	Use river stone or pea gravel, coir and jute matting, or turf cover.	Lay a 2 to 3-meh layer of to suppress weed growth.			
oil arf Cover	Loamy said or saidy foam fexture, with less than 5% clay content, pH corrected to between 6 and 7, and an organic matter content of al least 2%.	3-inch tilled into sufface layer.			
xtile ing Layer	An appropriate geotestile fabric flaa complies with AASHTO M-288 Class 2, latest edition, requirements and has a permeability of at least an	Can use in place of the cheking layer where the depth of the practice is limited. Geotextile fabric may be used on the sides of			
	order of ungainade higher (10x) than the soil subgrade permeability must be used	bioretennon areas, as well.			
	Lay a 2 to 4 meh layer of choker stope (e.g., typical miderdrain stope,	ity No.8 or No.89 washed gravel) over the			
rdrain	F-inch diameter stone must be double-washed and clean and free of all fines (e.g., ASTM D448 No. 57 or smaller stone).	At least 2 inches above and below the orderdram.			
çe Layer mal)	To increase storage for larger storm events, chambe material can be incorporated below the filter media				
meable mat)	Where appropriate, use a thirty mil (minimum) PV	C Geomenibrane liner			
rdrains. outs, and vation	Use 4- or 6-inch nigid schedule 40 PVC pipe, or equivalent corrugated 1DPE for small biorectonion BMPs, with 3/8-incb perforations at 6 incluse on center. Multiple underdrains are necessary for biorectonico necas wider than 40 Foet, and each underdrain must be located no more then 20 feet from the next pipe or the edge of the biorectonion.	Lay the performed pipe under the length of the bioretention cell, and install non- performed pipe as needed to connect with the storm drain system or to day light in a stabilized conveyance. Install T's and Y's as needed, depending on the underdrain configuration. Extend cleanout pipes to the surface.			



Sediment Control Plan

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C - 1.5







T - 1.1

Truck Turning Radius Diagram - Entrance





EADS STREET APARTMENTS

T - 1.2

Truck Turning Radius Diagram - Exit



2015 ENTERPRISE GREEN COMMUNITIES CRITERIA CHECKLIST

Eads Street 7.22.2016 This project is targeting a minimum of 70 points.

M = MANDATORY # = OPTIONAL POINTS

2015 Enterprise Green Communities Criteria Checklist

This checklist provides an overview of the technical requirements within the Enterprise Green Communities Criteria. To achieve Enterprise Green Communities Certification, all projects must achieve compliance with the Criteria mandatory measures applicable to that construction type. Additionally, New Construction projects must achieve 35 optional points, Substantial Rehab projects must achieve 30 optional points, and Moderate Rehab projects must also achieve 30 optional points.

		1. INTEGRATIVE DESIGN				
X Yes O no O Maybe	Μ	 1.1a Goal Setting Develop an integrative design process that works best for your project team and intentions. At minimum, document: A statement of the overall green development goals of the project and the expected intended outcomes from addressing those goals. A summary of the integrative process that was used to select the green building strategies, systems and materials that will be incorporated into the project. A description of how progress and success against these goals will be measured throughout the completion of design, construction and operation to ensure that the green features are included and correctly installed. 				
X yes 🔿 no 🔿 maybe	М	1.1b Criteria Documentation Create design and construction documentation to include information on implementation of appropriate Enterprise Green Communities Criteria.				
🔵 yes X no 🔵 maybe	9	1.1c Designing for Project Performance Identify how the expected performance of your project compares to the actual performance of other projects in your portfolio and/or community.				
X yes 🔿 no 🔿 maybe	М	1.2a Resident Health and Well-Being: Design for Health Identify potential resident health factors and design your project to address resident health and well-being by using the matrix provided on pages 22 and 23.				
🔾 yes 🗙 no 🔵 maybe	12	1.2b Resident Health and Well-Being: Health Action Plan At pre-design and continuing throughout the project life cycle, collaborate with public health professionals and community stakeholders to assess, identify, implement and monitor achievable actions to enhance health-promoting features of the project and minimize features that could present health risks. Specifically, create a Health Action Plan and integrate the selected interventions and a plan for monitoring and evaluating progress per the full criterion.				
X yes 🔿 no 🔿 maybe	Μ	 1.3a Resilient Communities: Design for Resilience (New Construction and Substantial Rehab only) Given your project building type, location and expected resident population, identify a project characteristic that would most likely impact your project's ability to withstand an unexpected weather event or loss of power. Select at least one criterion from the given list that would help mitigate that impact, and incorporate this within your project plans and design. Include a short narrative providing your rationale for selecting this criterion above the others. Surface Stormwater Management Advanced Water Conservation Resilient Energy Systems: Islandable Power 				

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EADS STREET APARTMENTS

Green Communities Checklist

M = MANDATORY		
# = OPTIONAL POINTS		
	15	INTEGRATIVE DESIGN (
🔾 YES 🔵 NO 🗙 МАУВЕ	15	1.3b Resilient Communit Carry out a Vulnerabili project to adapt to, and type and resident popu
	0	SUBTOTAL OPTIONAL
		2. LOCATION + NEIGH
		New Construction: All ne to Public Transportatio • 2.7 Preservation of a • 2.9 Improving Conne • 2.12 Access to Fresh, • 2.13 LEED for Neighl • 2.14 Local Economic
X YES O NO O MAYBE	М	 2.1 Sensitive Site Protect Do not locate new projet of sites that meet any of 1. Land within 100 feet riparian buffer using 25 feet from the weth 2. Land on slope greate 3. Land with prime soil 4. Public parkland. 5. Land that is specificat threatened or endant 6. Land that is within th on the Flood Insurant
X yes 🔿 no 🔿 maybe	Μ	2.2 Connections to Exist lands, in colonias commu Locate the project on a s within or contiguous to Connect the project to t
🗙 yes 🔿 no 🔿 maybe	М	2.3 Compact Developme At a minimum, build to in which your project is
🗙 yes 🔵 no 🔵 maybe	5 or 7	2.4 Compact Developm Exceed the residential of project is located. Exce
	7	9.52 Households per 59/.41 = 143 dwellin



tinued)

: Multi-Hazard Risk/Vulnerability Assessment

Assessment and implement building elements designed to enable the itigate, climate impacts given the project location, building/construction ion.

INTS

RHOOD FABRIC

construction projects must earn optional points under Criterion 2.8 Access **CR** earn 8 optional points through selecting one or more of the following:

- Access to Open Space
- vity to the Community
- cal Foods
- hood Development Certification
- velopment and Community Wealth Creation

, including buildings, built structures, roads or parking areas, on portions following provisions:

wetlands, including isolated wetlands or streams. Maintain or establish tive vegetation where possible. Bike and foot paths are allowed if at least ds boundary.

1an 15%.

- inique soils or soils of state significance per USDA designations.
- identified as an existing habitat for any species on federal or state ed lists.
- Special Flood Hazard Areas (SFHA) as identified by FEMA Rate Map.

Development and Infrastructure (*Except for projects located on rural tribal* ies, or in communities with populations of less than 10,000)

with access to existing roads, water, sewers and other infrastructure aving at least 25% of the perimeter bordering) existing development. pedestrian grid.

e residential density (dwelling units/acre) of the census block group ated.

sity (dwelling units/acre) of the census block group in which your by 2x for [5 points]; exceed by 3x for [7 points].

cre - current inits/acre



1	=	MANDATORY					
ŧ	=	OPTIONAL POINTS					

🗙 yes 🔿 no 🔿 maybe 🛛 M	2.5 Proximity to Services
niles from project:	Locate the project within a 0.5-mile walk distance of at least four, or a 1-mile walk distance of at least
Office Elementary School Supermarket Public Park nunity center	seven, of the listed services. For projects that qualify as Rural/Tribal/Small Town, locate the project within 5 miles of at least four of the listed services.
🗙 yes 🔿 no 🔿 maybe 🛛 M	2.6 Preservation of and Access to Open Space for Rural/Tribal/Small Towns
Located within 0.25 of Anacostia Park	Set aside a minimum of 10% (minimum of 0.25 acre) of the total project acreage as non-paved open space for use by all residents OR locate the project within a 0.25-mile walk distance of dedicated public non-paved open space that is a minimum of 0.75 acres.
○ YES X NO ○ MAYBE 6 max	2.7 Preservation of and Access to Open Space
	Set aside a percentage of non-paved open space for use by all residents. 20% [2 points]; 30% [4 points]; 40% + written statement of preservation/conservation policy for set-aside land [6 points].
🗙 YES 🔿 NO 🔿 МАУВЕ 8 OT 10	2.8 Access to Public Transportation
8	Locate projects within a 0.5-mile walk distance of transit services combined (bus, rail and/or ferry), constituting at least 60 or more transit rides per weekday, with some type of weekend ride option. [8 points]
Within 0.25 mile of U4, X1, X2, and X3 bus lines.	For projects that qualify as Rural/Tribal/Small Town, locate the project within a 5-mile distance of at least one of the following transit options: 1) vehicle share program; 2) dial-a-ride program; 3) employer vanpool; 4) park-and-ride; or 5) public–private regional transportation. <i>[8 points]</i>
	<i>For an additional 2 points:</i> Locate the project along dedicated bike trails or lanes that lead to transit services or stations (bus, rail and ferry) within 3 miles.
X YES NO MAYBE 2 to 8	2.9 Improving Connectivity to the Community
2 points for bike storage	Improve access to community amenities through at least one of the transit, auto or biking mobility measures listed. May evaluate car share for additional 1 point at a later date.
○ YES X NO ○ MAYBE 5 max	2.10 Passive Solar Heating / Cooling
	Design and build with passive solar design, orientation and shading that meet specificed guidelines.
○ YES X NO ○ MAYBE 4	2.11 Brownfield Site or Adaptive Reuse Building
	Rehabilitate an existing structure that was not previously used as housing or locate the project on a brownfield site.
○ YES X NO ○ MAYBE 6	2.12 Access to Fresh, Local Foods
	Pursue one of three options to provide residents and staff with access to fresh, local foods, including neighborhood farms and gardens, community-supported agriculture, or proximity to farmers markets.
○ YES X NO ○ MAYBE 4	2.13 LEED for Neighborhood Development Certification
	Locate building(s) in a Stage 2 Pre-Certified or Stage 3 Certified Neighborhood Development.
🕅 YES 🔿 NO 🔿 MAYBE 6 max	2.14 Local Economic Development and Community Wealth Creation
2	Demonstrate that local preference for construction employment and subcontractor hiring was part of your bidding process [2 points] OR demonstrate that you achieved at least 20% local employment [3 points] OR provide physical space for small business, nonprofits, and/or skills and workforce education [3 points].
19	SUBTOTAL OPTIONAL POINTS



Neighborhood Development Company



EADS STREET APARTMENTS

Green Communities Checklist

M = MANDATORY # = OPTIONAL POINTS		
		3. SITE IMPROVEMENTS
🗙 yes 🔿 no 🔿 maybe	м	3.1 Environmental Remedia Conduct an environmenta present on-site; mitigate a
🗙 yes 🔿 no 🔿 maybe	М	3.2 Erosion and Sedimenta Implement EPA's Best Ma or local requirements, wh
🗙 yes 🔿 no 🔿 maybe	М	3.3 Low-Impact Developm Projects located on green
X YES ONO OMAYBE	М	3.4 Landscaping If providing plantings, all and microclimate, and no disturbed areas.
🗙 yes 🔿 no 🔿 maybe	М	3.5a Efficient Irrigation an If irrigation is used, instal
🔵 yes X no 🔵 maybe	4 or 8	3.5b Efficient Irrigation an Install an efficient irrigati controller (WBIC) OR at le
🗙 yes 🔿 no 🔿 maybe	4 or 8	3.6 Surface Stormwater Ma Retain, infiltrate and/or I for a 24-hour period of a drains/inlets. <i>[8 points]</i> I
🔾 yes 🗙 no 🔿 maybe	1	3.7 Reducing Heat-Island I Use light-colored, high-al reflectance of 0.3, over at
	4	SUBTOTAL OPTIONAL PO
		4. WATER CONSERVATIO
X yes 🔿 no 🔿 maybe	М	4.1 Water-Conserving Fixth Install water-conserving f specifications. <i>Toilets:</i> Wa <i>Showerheads:</i> WaterSense labeled and 1.5 gpm
		AND for all single-family l service pressure must not



liatior

ntal site assessment to determine whether any hazardous materials are e any found.

tation Control (Except for infill sites with buildable area smaller than one acre) Ianagement Practices for Construction Site Stormwater Runoff Control, whichever is more stringent.

ment

nfields must meet the list of low-impact development criteria.

Il should be native or adapted to the region, appropriate to the site's soil none of the new plants is an invasive species. Reseed or xeriscape all

nd Water Reuse

all an efficient irrigation or water reuse system per the guidelines.

and Water Reuse

tion system equipped with a WaterSense-labeled weather-based irrigation least 50% of the site's irrigation should be satisfied by reusing water.

Management

r harvest the first 1.0 inch of rain that falls [4 points] **OR** as calculated a one-year (1) storm event, so that no stormwater is discharged to J For both options, permanently label all storm drains and inlets.

d Effect: Paving

albedo materials and/or an open-grid pavement, with a minimum solar at least 50% of the site's hardscaped area.

POINTS

tures

y fixtures in all units and any common facilities with the following *J*aterSense-labeled and 1.28 gpf; *Urinals*: WaterSense-labeled and 0.5 gpf; Ise-labeled and 2.0 gpm; *Kitchen faucets*: 2.0 gpm; *Lav faucets*: WaterSense-

v homes and all dwelling units in buildings three stories or fewer, the static ot exceed 60 psi.

GC - 1.2

2015 ENTERPRISE GREEN COMMUNITIES CRITERIA CHECKLIST



Neighborhood Development Company



EADS STREET APARTMENTS

M = MANDATORY # = OPTIONAL POINTS

🗙 yes 🔿 no 🔿 maybe

🗙 yes 🔿 no 🔿 maybe 🛛 M

🔾 yes 🔿 NO 💥 мауве 🛛 5 to 12

🔿 yes 🗙 no 🔿 мауве 🛛 12

X YES ONO OMAYBE

🗙 yes 🔿 no 🔿 maybe

🗙 yes 🔿 no 🔿 maybe

X YES 🔿 NO 🔿 MAYBE

🔿 yes X no 🔿 maybe

🔿 yes 💢 no 🔿 maybe

Μ

Μ

M

M

м

4

5.5 Lighting

5.6 Electricity Meter

low-rise multifamily)

for each dwelling unit.

Green Communities Checklist



ENERGY EFFICIENCY (continued)

5.1c Building Performance Standard (Substantial and Moderate Rehab: single-family and

For each dwelling unit, achieve a HERS Index score of 85 or less.

Exception: Substantial rehabs of buildings with walls made only of brick/masonry that are three stories or fewer and built before 1980, as well as moderate rehabs of buildings that are three stories or fewer and built before 1980, are permitted to instead achieve a HERS Index score of 100 or less

5.1d Building Performance Standard (Substantial and Moderate Rehab: mid-rise and high-rise)

Demonstrate that the energy performance of the completed building will be equivalent to ASHRAE 90.1-2010 using an energy model created by a qualified energy services provider per Appendix G.

5.2a Additional Reductions in Energy Use

Design and construct a building that is projected to be at least 5% more efficient than what is required of the project by Criteria 5.1a–d. (Projects receiving points in Criterion 5.2a may not receive points per Criterion 5.2b)

5.2b Advanced Certification: Nearing Net Zero

Certify the project in a program that requires advanced levels of building envelope performance such as PHIUS, Living Building Challenge and/or DOE Zero Energy Ready Home. (Projects receiving points in Criterion 5.2b may not receive points per Criterion 5.2a)

5.3 Sizing of Heating and Cooling Equipment

Size and select heating and cooling equipment in accordance with the Air Conditioning Contractors of America (ACCA) Manuals J and S or ASHRAE handbooks.

5.4 ENERGY STAR Appliances

If providing appliances, install ENERGY STAR clothes washers, dishwashers and refrigerators. If appliances will not be installed or replaced at this time, specify that, at the time of installation or replacement, ENERGY STAR models must be used.

Follow the guidance for high-efficacy lighting controls and other characteristics for all permanently installed lighting fixtures in project dwelling units, common spaces and exterior

New Construction and Substantial Rehab

Moderate Rehab (Except for single-room occupancy and designated supportive housing dwelling units) Install individual or submetered electric meters for all dwelling units.

5.7a Photovoltaic/Solar Hot Water Ready

Orient, design, engineer, wire and/or plumb the development to accommodate installation of photovoltaic (PV) or solar hot water system in the future.

2015 ENTERPRISE GREEN COMMUNITIES CRITERIA CHECKLIST

M = MANDATORY # = OPTIONAL POINTS								
		ENERGY EFFICIENCY (continu	ed)					
🔿 yes X no 🔿 maybe	10 max	5.7b Renewable Energy Install photovoltaic (PV) pane a specified percentage of the demand. (<i>Projects may earn p</i>	project's est	imated t	otal ener	gy dem	and or water l	-
			5%	10%	20%	30%	40%	
		Single-story/Single-family 2 to 3 stories 4 stories or more	6	- 6 8	6 8 10	8 10	10	
		+ stones of more	0	0	10			
○ YES X NO ○ MAYBE	8	5.8a Resilient Energy Systems Conduct floodproofing, inclu Design and install building sy systems will not be grossly af	ding perime stems as sp	eter flood ecified by	y the full			
X YES ONO OMAYBE	4 to 8	5.8b Resilient Energy Systems Provide emergency power the permanent generator that wi outages per one of the three 5.8b, but not both.) 4 point	ough an isla ll offer at lea	andable j ast limite d. <i>(Proje</i>	ed electri cts may e	city for o arn poir	critical circuit uts through Cr	s during power
	4	SUBTOTAL OPTIONAL POINT	S					
		6. MATERIALS						
X yes 🔿 no 🔿 maybe	М	6.1 Low/No VOC Paints, Coatings and Primers All interior paints and primers must have VOC levels, in grams per liter, less than or equal to the thresholds established by South Coast Air Quality Management District (SCAQMD) Rule 1113.						
X yes 🔿 no 🔿 maybe	М	6.2 Low/No VOC Adhesives and Sealants All adhesives and sealants (including caulks) must have VOC levels, in grams per liter, less than or equal to the thresholds established by the South Coast Air Quality Management District Rule 1168.						
○ YES ○ NO X MAYBE	3 max	6.3 Recycled Content MaterialIncorporate building materials that are composed of at least 25% post-consumer recycled content or at least 50% post-industrial recycled content. [1 point]Building materials that make up at least 75% of their project component each receive 1 point.						
		-	1		1			1
X YES O NO O MAYBE	4 max	 6.4 Regional Materials Use products that were extrator a minimum of 50%, based Select any or all of these option Framing materials Exterior materials (e.g., side Flooring materials Concrete/cement and aggree Drywall/interior sheathing 	l on cost, of ons (each m ling, masoni regate mater	the build aterial ca ry, roofin	ling mat an qualif	erials' va	alue.	s of the project

		2
M = MANDATORY # = OPTIONAL POINTS		
🔿 yes 🗙 no 🔿 maybe	1	MATERIALS (continued) 6.5 Certified, Salvaged and For at least 25% of all struc FSC-certified, salvaged pro
X yes 🔿 no 🔿 maybe	М	6.6 Composite Wood Produ All composite wood produ- if using a composite wood edges and sides must be se
X yes () no () maybe	М	6.7a Environmentally Prefer Do not install carpets in bu utility rooms or any rooms the Carpet and Rug Institu carpet adhesives. Any hard hardwood floors, or meet t (including pre-finished hard
🔿 yes 🗙 no 🔿 maybe	6	6.7b Environmentally Prefe Use non-vinyl, non-carpet
🗙 yes 🔵 no 🔵 maybe	М	6.8 Mold Prevention: Surfac Use materials that have du rooms. Materials installed intrusion or encourage the
🗙 yes 🔵 no 🔵 maybe	М	6.9 Mold Prevention: Tub ar Use moisture-resistant bac per ASTM #D3273 behind enclosure are exempt from
X YES O NO O MAYBE	12 max 8	 6.10 Asthmagen-Free mater Do not install products tha Key products to avoid are: Insulation: Do not use s batts. [4 points] Flooring: Do not use fle with phthalates. Do not Wall coverings: Do not u high-performance coati Composite wood: Use or composite wood uses. [
X yes O no O maybe	5	6.11 Reduced Heat-Island Ef Use an ENERGY STAR–cert (vegetated) roof for at leas the remainder of the roof a



Neighborhood Development ompany



EADS STREET APARTMENTS

Green Communities Checklist



nd Engineered Wood Products

tructural wood products, by cost or value, commit to using either products or engineered framing materials without urea formaldehyde.

oducts that Emit Low/No Formaldehyde

ducts must be certified as compliant with California 93120 Phase 2 **OR**, od product that does not comply with California 93120 Phase 2, all exposed e sealed with low-VOC sealants, per Criterion 6.2.

eferable Flooring

building entryways, laundry rooms, bathrooms, kitchens/kitchenettes, ms built on foundation slabs. Where installed, all carpet products must meet titute's Green Label or Green Label Plus certification for carpet, pad and ard surface flooring products must be either ceramic tile or solid unfinished et the Scientific Certification System's FloorScore program criteria hardwood flooring).

eferable Flooring: Throughout Building

pet floor coverings throughout each building in the project.

rfaces

durable, cleanable surfaces throughout bathrooms, kitchens and laundry ed in these rooms should not be prone to deterioration due to moisture the growth of mold.

b and Shower Enclosures

backing materials such as cement board, fiber cement board or equivalent ind tub/shower enclosures. Projects using a one-piece fiberglass tub/shower om this requirement.

aterials

that contain ingredients that are known to cause or trigger asthma.

se spray polyurethane foam (SPF) or formaldehyde-containing fiberglass

flexible vinyl (PVC) roll or sheet flooring or carpet-backed with vinyl not use fluid applied finish floors. [4 points]

ot use wallpaper made from vinyl (PVC) with phthalates or site-applied patings that are epoxy or polyurethane based. [4 points] e only ULEF products for cabinetry, subflooring and other interior

s. [4 points]

d Effect: Roofing

certified roofing product for 100% of the roof area **OR** install a "green" east 50% of the roof area and ENERGY STAR–certified roofing product for of area.

		2015 ENTERPRISE GREEN COMMUNITIES CRITERIA CHECKLIST		
M = MANDATORY # = OPTIONAL POINTS			M = MANDATORY # = OPTIONAL POINTS	
		MATERIALS (continued)		
🗙 yes 🔵 no 🔵 maybe	M or 6 max	6.12 Construction Waste Management Commit to following a waste management plan that reduces non-hazardous construction and demolition waste through recycling, salvaging or diversion strategies through one of the three options. Achieve optional points by going above and beyond the requirement.	🗙 yes 🔿 no 🔿 maybe	м
X YES ONO OMAYBE	3 3	6.13 Recycling Storage Provide separate bins for the collection of trash and recycling for each dwelling unit and all shared community rooms (if applicable).		
		Additionally, in multifamily buildings, provide at least one easily accessible, permanent and dedicated indoor area for the collection and storage of materials for recycling. In single-family homes, points will be accrued only if curb-side recycling pickup is available.		
		Collected materials should include, at a minimum, paper, cardboard, glass, metals and plastics.	🗙 yes 🔵 no 🔵 maybe	9 or 11
	18	SUBTOTAL OPTIONAL POINTS		9
		7. HEALTHY LIVING ENVIRONMENT	X yes 🔿 NO 🔿 Maybe	М
) yes () no () maybe) yes (X) no () maybe	<u>М</u> 12 max	7.1 Ventilation New Construction and Substantial Rehab Moderate Rehab	X YES NO MAYBE	м
		For each dwelling unit, in full accordance with ASHRAE 62.2-2010, install a local mechanical exhaust system in each bathroom [4 points], a local mechanical exhaust system in each kitchen [4 points], and a whole-house mechanical ventilation system [4 points].		
		For each multifamily building of four stories and more, in full accordance with ASHRAE 62.1-2010, install a mechanical ventilation system for all hallways and common spaces [3 points].	🕅 YES 🔿 NO 🔿 MAYBE	м
		 For all project types, in addition to the above requirements: All systems and associated ductwork must be installed per manufacturer's recommendations. All individual bathroom fans must be ENERGY STAR labeled, wired to turn on with the light switch, and equipped with a humidistat sensor, timer or other control (e.g., occupancy sensor, delay off switch, ventilation controller). 	X YES O NO O MAYBE	М
		 If using central ventilation systems with rooftop fans, each rooftop fan must be direct-drive and variable-speed with speed controller mounted near the fan. Fans with design CFM 300-2000 must also have an ECM motor. 	X YES O NO O MAYBE	м
🗙 yes 🔵 no 🔵 maybe	М	7.2 Clothes Dryer Exhaust Clothes dryers must be exhausted directly to the outdoors using rigid-type ductwork (except for condensing dryers, which must be plumbed to a drain).		
			X YES O NO O MAYBE	м







Green Communities Checklist



HEALTHY LIVING ENVIRONMENT (continued)

7.3 Combustion Equipment

conditioned space.

of techniques.

7.8 Radon Mitigation

7.9 Garage Isolation

insulation is installed.

For new construction and rehab projects, specify power-vented or direct vent equipment when installing any new combustion appliance for space or water heating that will be located within the

In Substantial and Moderate Rehabs, if there is any combustion equipment located within the conditioned space for space or water heating that is not power-vented or direct vent and that is not scheduled for replacement, conduct initial combustion safety testing per the given guidelines.

Install one hard-wired carbon monoxide (CO) alarm with battery backup function for each sleeping zone, placed per National Fire Protection Association (NFPA) 720.

7.4 Elimination of Combustion Within the Conditioned Space

No combustion equipment may be used for cooking (to include, but not limited to ranges, cooktops, stoves, ovens) as part of the building project [9 points] **OR** no combustion equipment may be used as part of the building project [11 points].

7.5 Vapor Retarder Strategies

Install vapor barriers that meet specified criteria appropriate for the foundation type.

7.6 Water Drainage (For all New Construction projects and those Rehab projects that include replacing particular assemblies called out below)

Provide drainage of water away from walls, windows and roofs by implementing the list

7.7 Mold Prevention: Water Heaters

Provide adequate drainage for water heaters that includes drains or catch pans with drains piped to the exterior of the dwelling.

For New Construction in EPA Zone 1 areas, install passive radon-resistant features below the slab and a vertical vent pipe with junction box within 10 feet of an electrical outlet in case an active system should prove necessary in the future. For Substantial Rehab projects in EPA Zone 1, test and mitigate per the specified protocols.

• Provide a continuous air barrier between the conditioned space and any garage space to prevent the migration of any contaminants into the living space. Visually inspect common walls and ceilings between attached garages and living spaces to ensure that they are air-sealed before

• Do not install ductwork or air handling equipment in a garage.

• Fix all connecting doors between conditioned space and garage with gaskets or otherwise make substantially airtight with weather stripping.

• Install one hard-wired carbon monoxide (CO) alarm with battery backup function for each sleeping zone of the project, placed per National Fire Protection Association (NFPA) 720.

7.10 Integrated Pest Management

Seal all wall, floor, and joint penetrations with low-VOC caulking or other appropriate nontoxic sealing methods to prevent pest entry.

		2015 ENTERPRISE GREEN COMMUNITIES CRITERIA CHECKLIST			
M = MANDATORY # = OPTIONAL POINTS			M = MANDATORY # = OPTIONAL POINTS		
		HEALTHY LIVING ENVIRONMENT (continued)			8. OPERATIONS, MAI
🗙 yes 🔵 no 🔵 maybe	9 9	7.11a Beyond ADA: Universal Design (<i>New Construction</i>) Design a minimum of 15% of the dwelling units (no fewer than one) in accordance with ICC/ANSI A117.1, Type A, Fully Accessible guidelines. Design the remainder of the ground-floor units and elevator-reachable units in accordance with ICC/ANSI A117.1, Type B.	🗙 yes 🔿 no 🔿 maybe	М	8.1 Building Operations Develop a manual with complementary plan. design, development a the list of topics.
○ YES ○ NO X MAYBE	7 or 9 N/A	7.11b Beyond ADA: Universal Design (<i>Substantial and Moderate Rehab</i>) Design a minimum of 10% of the dwelling units (one, at minimum) in accordance with ICC/ANSI A117.1, Type A, Fully Accessible guidelines. [7 points]	X YES ONO MAYBE	М	8.2 Emergency Manage Provide a manual on e
		<i>For an additional 2 points:</i> Design the remainder of the ground-floor units and elevator-reachable units with accessible unit entrances designed to accommodate people who use a wheelchair.			and other building-lev emergencies, leading The manual should pr
🗙 yes 🔿 no 🔿 maybe	М	7.12 Active Design: Promoting Physical Activity Within the Building Situate at least one building stairway per the criterion to encourage use OR emphasize at least one strategy inside the building designed to increase frequency and duration of physical activity per the criterion.			throughout an emerge communication pla useful contact infor infrastructure and
🔵 yes 🗙 no 🔵 maybe	10	7.13 Active Design: Staircases and Building Circulation A staircase must be accessible and visible from the main lobby as well as visible within a 25-foot walking distance from any edge of lobby. Ensure that no turns or obstacles prevent visibility of or accessibility to the qualifying staircase from the lobby, and that the staircase is encountered before or at the same time as the elevators.	X YES O NO O MAYBE	М	8.3 Resident Manual Provide a guide for ho of their home's green h healthy activities per t
		From the corridor, accessible staircases should be made visible by: Providing transparent glazing of at least 10 square feet (1 square meter) at all stair doors or at a side light OR providing magnetic door holds on all doors leading to the stairs OR removing door enclosures/vestibules.	🗙 yes 🔿 no 🔿 maybe	М	8.4 Resident and Prope Provide a comprehens buildings operations s curriculum, and review
) yes 🔵 no 🕅 maybe	9	7.14 Interior and Outdoor Activity Spaces for Children and Adults Provide an on-site dedicated recreation space with exercise or play opportunities for adults and/or children that is open and accessible to all residents; see criterion for specifics.	X YES ONO MAYBE	М	emergency protocols. 8.5 Project Data Collec 15% Tenant-Paid Utility
) yes X no 🔵 maybe	M	7.15 Reduce Lead Hazards in Pre-1978 Buildings (<i>Substantial Rehab</i>) Conduct lead risk assessment or inspection to identify lead hazards, then control for these per EPA or state/local laws and requirements.			For rental properties: Co of owner-paid utilities maintained in a mann informed operations a
🔇 yes 🔵 no 🔵 maybe	10 10	7.16 Smoke-Free Building Implement and enforce a no-smoking policy in all common and individual living areas, and within a 25-foot perimeter around the exterior of all residential projects.			For owner-occupied unit allows for easy access Enterprise access to th
	28	SUBTOTAL OPTIONAL POINTS	X YES O NO O MAYBE	7 or 11	8.6 Project Data Collect Collect and monitor pr be maintained in a ma informed operations a 16–60% of units [7 por
				7	SUBTOTAL OPTIONA
					TOTAL OPTIONAL PC







Green Communities Checklist



NTENANCE + RESIDENT ENGAGEMENT

s & Maintenance (O&M) Manual and Plan (For all multifamily projects) th thorough building operations and maintenance guidance and a . The manual and plan should be developed over the course of the project and construction stages, and should include sections/chapters addressing

gement Manual (For all multifamily projects)

emergency operations targeted toward operations and maintenance staff vel personnel. The manual should address responses to various types of with those that have the greatest probability of negatively affecting the project. rovide guidance as to how to sustain the delivery of adequate housing ency and cover a range of topics, including but not limited to: lans for staff and residents

ormation for public utility and other service providers

building "shutdown" procedures

omeowners and renters that explains the intent, benefits, use and maintenance features and practices. The Resident Manual should encourage green and the list of topics.

erty Staff Orientation

sive walk-through and orientation for all residents, property manager(s) and staff. Use the appropriate manuals (see Criteria 8.1, 8.2, 8.3) as the base of the ew the project's green features, operations and maintenance procedures, and

ction and Monitoring System: 100% Owner-Paid Utility Accounts; y Accounts

Collect and monitor project energy and water performance data for 100% s and 15% of tenant-paid utilities for at least 5 years. This data must be ner that allows staff to easily access and monitor it, enabling them to make and capital planning decisions. Also allow Enterprise access to this data.

its: Collect and monitor energy and water performance data in a manner that s and review and provides the ability to influence home operations. Also allow his data.

tion and Monitoring System: Greater than 15% Tenant-Paid Utility Accounts

project energy and water performance data for at least 5 years. This data must anner that allows staff to easily access and monitor it, enabling them to make and capital planning decisions. Also allow Enterprise access to this data. oints]; 60–100% of units [11 points].

AL POINTS

OINTS