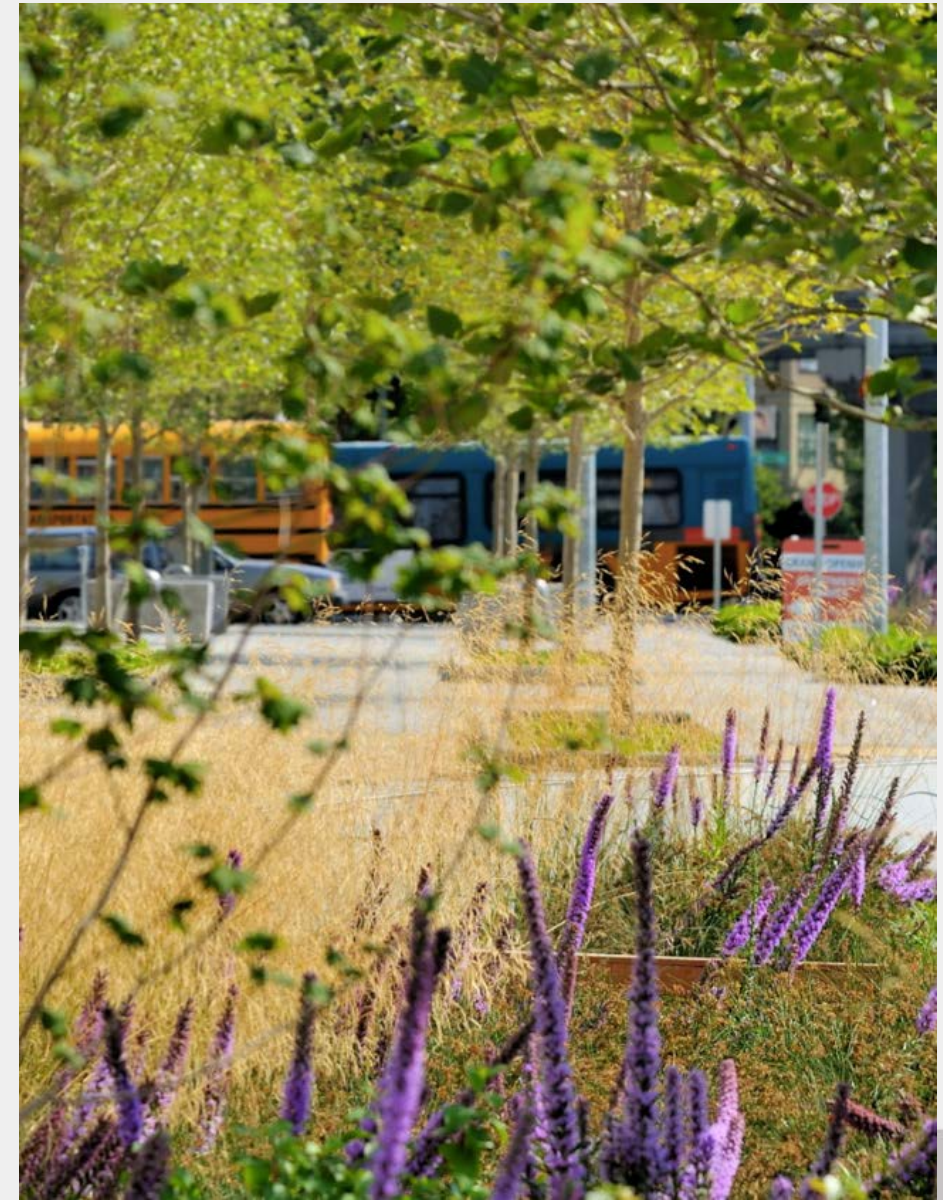


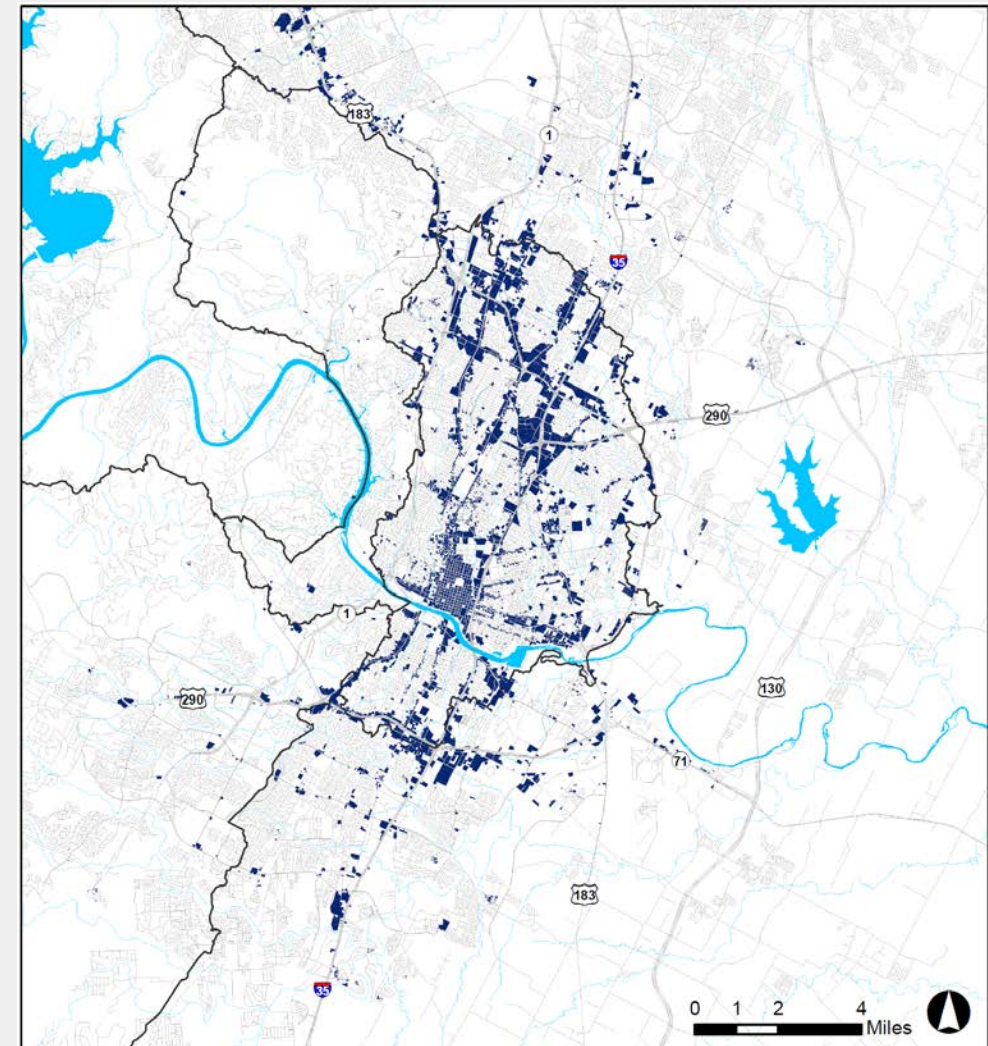
23-4E-4: Landscape

- ✓ Continues to prioritize tree preservation
- ✓ Simplifies
- ✓ Integrates more nature into the city
- ✓ Delivers more green infrastructure and green stormwater infrastructure



23-4E-4120: Functional Green

- ✓ Integrates nature
- ✓ Provides flexibility
- ✓ Is straightforward



**Potential Application of Functional Green
(DRAFT - For Planning Purposes Only)**

- Existing or Allowed IC > 80%
- Watershed Regulation Areas
- Lakes
- Roads
- Creek Centerlines

Menu of Landscape Options



Functional Green Score

Area of Landscape Element A
x Factor A

+

Area of Landscape Element B
x Factor B

+

Area of Landscape Element C
x Factor C

Total Site Area

= Score


LANDSCAPE ELEMENTS		
PLANTED AREA		FACTOR
①	Existing Trees	0.8
②	Newly Planted Tree: Large	0.6
②	Newly Planted Tree: Medium	0.5
②	Newly Planted Tree: Small	0.4
③	Shrubs / Ornamental Grasses / Perennials	0.3
④	Ground Cover	0.2
SPECIALIZED MEDIA		
⑤	Extensive Green Roof	0.5
⑥	Intensive Green Roof	0.6
⑦	Rain Garden	0.3
ADDITIONAL ELEMENTS		
⑧	Porous Pavement	0.4
⑨	Vegetated Wall	0.5
⑩	Cistern	0.3
BONUS OPTIONS		
⑪	Auxiliary Water Irrigation	0.2
⑫	Pollinator Resource	0.1
⑬	Suspended Pavement System	0.2


Layer Landscape Elements




Ecosystem Services

 Microclimate

 Water Filtration

 Carbon Storage

 Biodiversity Benefits

 Human Well-being

 Air Pollutant Removal

 Stormwater Reduction

 Effects on Property Value

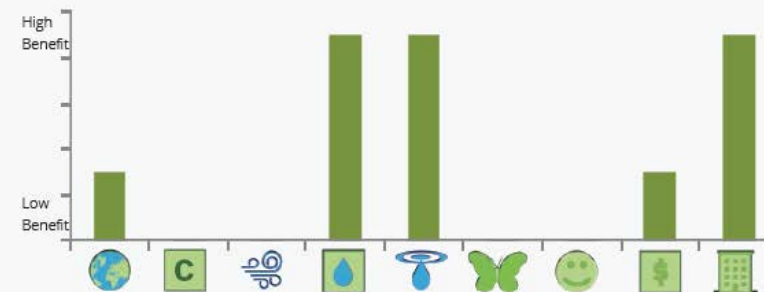


POROUS PAVEMENT

Factor: 0.4

Cost: \$\$

Porous pavement allows water to pass through voids in the paving material or between pavers while providing a stable, load-bearing surface. Permeable interlocking pavers may also be used if installed with gaps to allow stormwater to infiltrate into the subsurface.

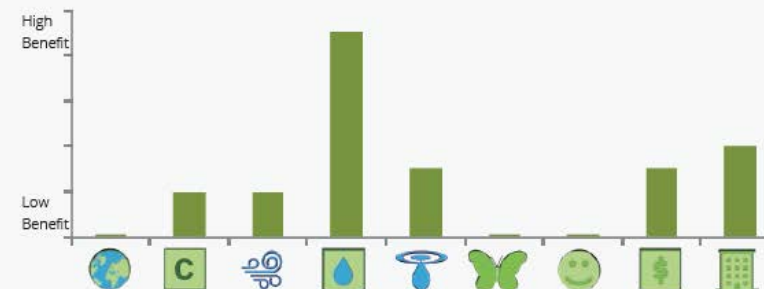


CISTERN

Factor: 0.3

Cost: \$\$ - \$\$\$

Cisterns can be located above or below ground and provide a reservoir for temporarily storing rainwater or a/c condensate. Credit is given for the storage capacity of the cistern.



The Case Studies

LANDSCAPE ELEMENTS		FACTOR
PLANTED AREA		
①	Existing Trees	0.8
②	Newly Planted Tree: Large	0.6
②	Newly Planted Tree: Medium	0.5
②	Newly Planted Tree: Small	0.4
③	Shrubs / Ornamental Grasses / Perennials	0.3
④	Ground Cover	0.2
SPECIALIZED MEDIA		
⑤	Extensive Green Roof	0.5
⑥	Intensive Green Roof	0.6
⑦	Rain Garden	0.3
ADDITIONAL ELEMENTS		
⑧	Porous Pavement	0.4
⑨	Vegetated Wall	0.5
⑩	Cistern	0.3
BONUS OPTIONS		
⑪	Auxiliary Water Irrigation	0.2
⑫	Pollinator Resource	0.1
⑬	Suspended Pavement System	0.2

Area of Landscape Element A
x Factor A

+

Area of Landscape Element B
x Factor B

+

Area of Landscape Element C
x Factor C

Total Site Area

= 0.3

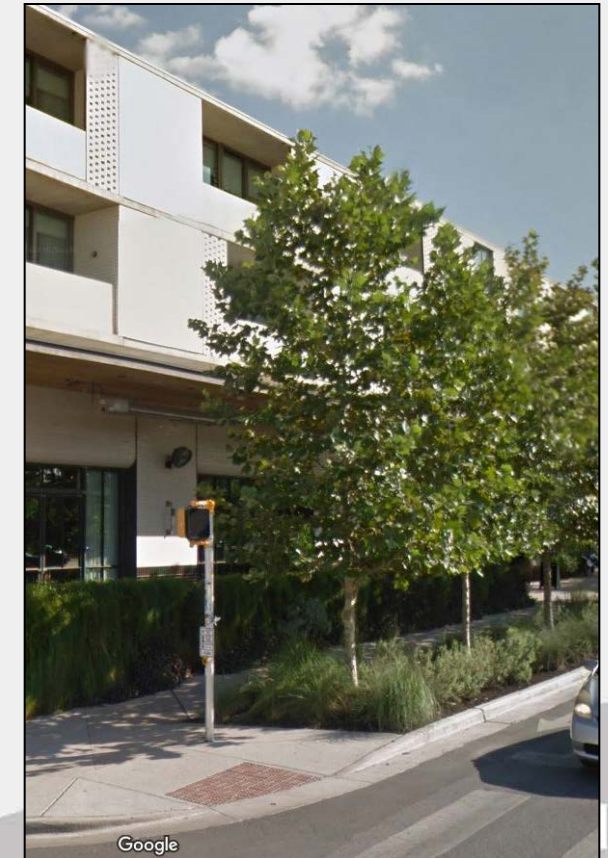
South Congress Hotel

Functional Green Score: 0.33

Use: Hotel

Site Area: 0.95 acres

Impervious Cover: 95%



EXT

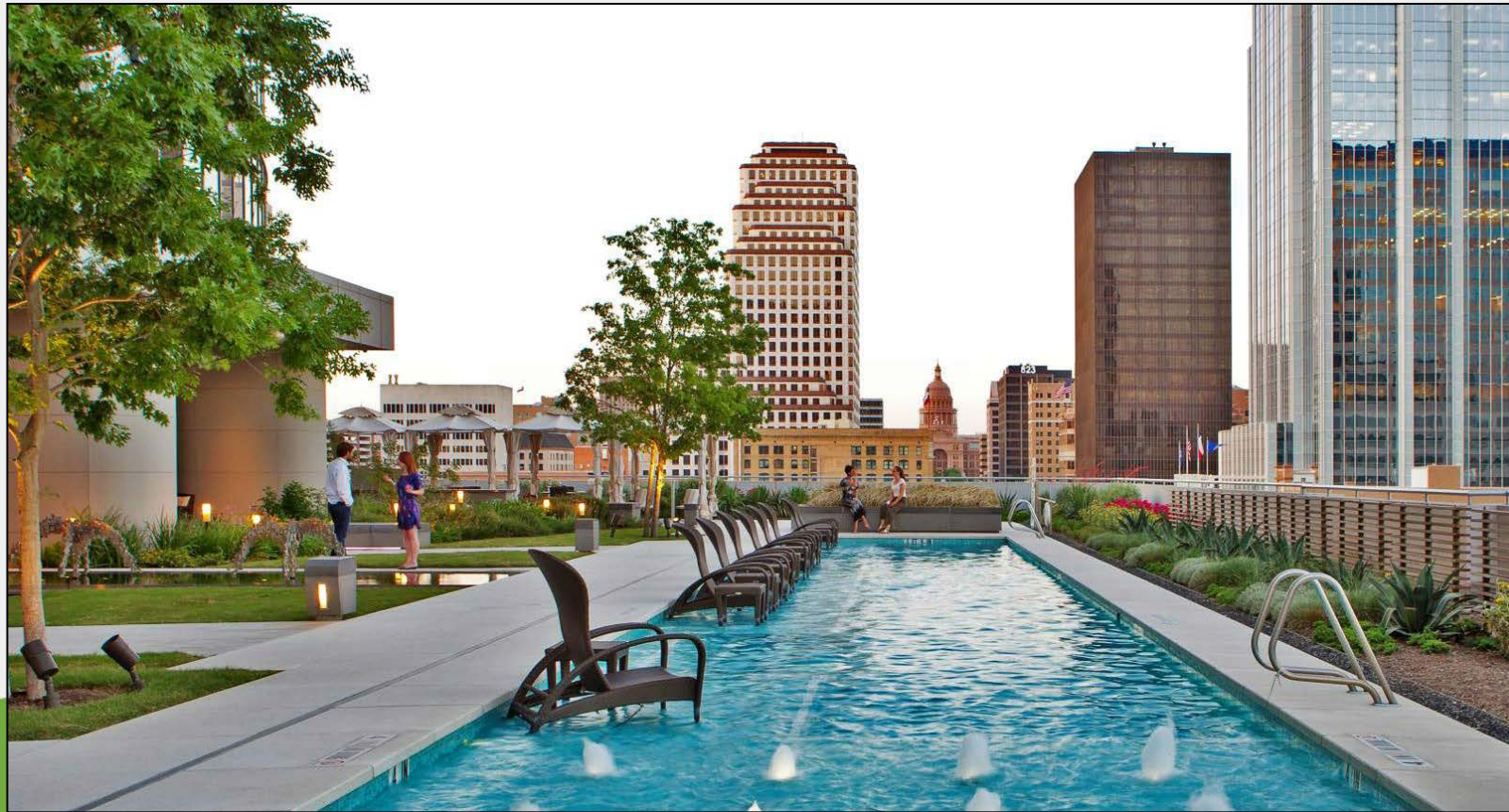
Austonian

Functional Green Score: 0.31

Use: Mixed-use

Site Area: 0.65 acres

Impervious Cover: 100%



TEXT

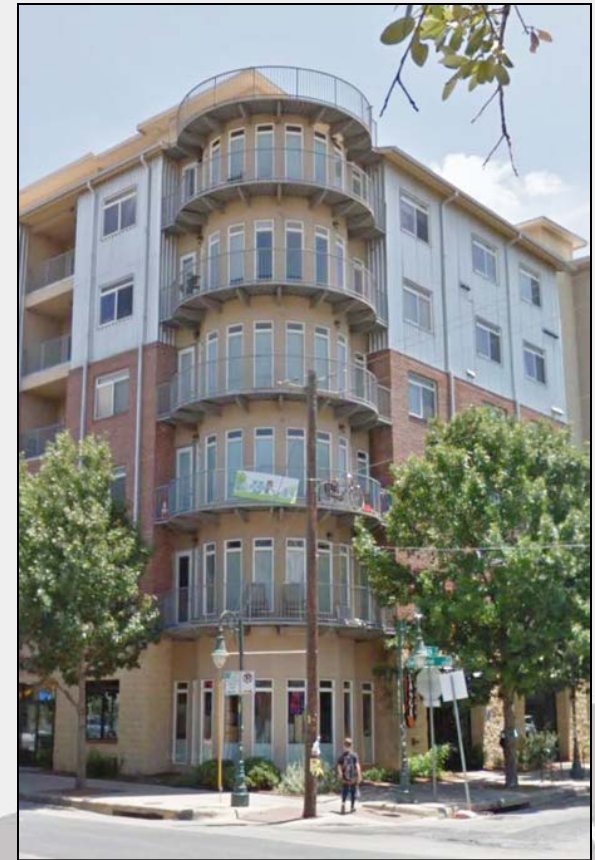
Galileo at 25th

Functional Green Score: 0.22

Use: Residential

Size: 0.33 acres

Impervious Cover: 90%



NEXT

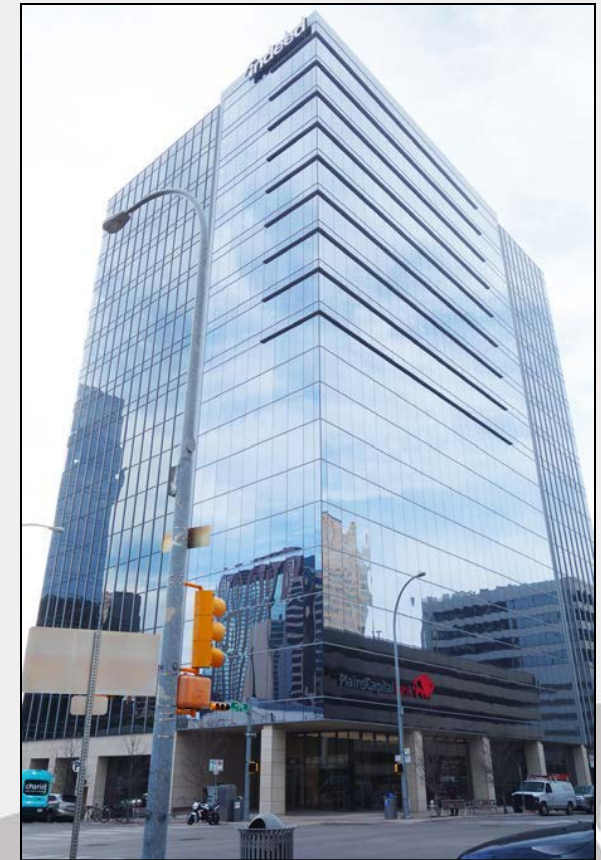
5th & Colorado

Functional Green Score: 0.13

Use: Office

Site Area: 0.66 acres

Impervious Cover: 100%



NEXT

Landscape Code: Functional Green Questions & Comments

Pamela Abee-Taulli

Environmental Review Specialist Senior

512.974.1879

pamela.abee-taulli@austintexas.gov