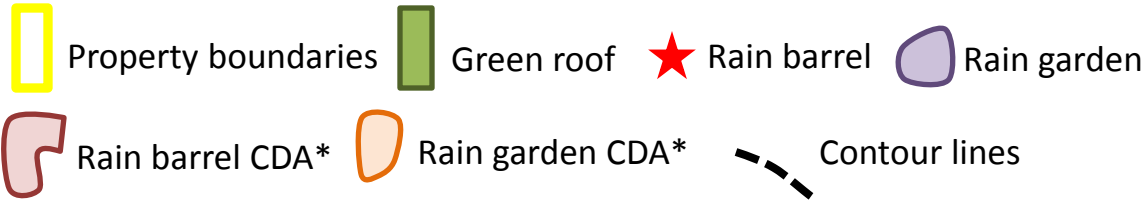


RIVERSMART REWARDS STANDARD APPLICATION SITE PLAN CHECKLIST

- Address
- North Arrow
- Scale (in feet)
- Grading/contour lines (for sites that slope)
- Location of each BMP indicated on map
- Identify on map contributing drainage area for each BMP
- Conveyance system (i.e. utility lines)
- Description of each BMP (see page 1)
- Description of land cover for entire property (see page 2)

MAP KEY



ON-SITE STORMWATER BEST MANAGEMENT PRACTICES

1: Green roof on garage

- 500 sf
- 6" media depth
- .5" drainage layer depth
- .15 media volume of voids
- .15 drainage layer volume of voids
- CDA: 500 sf

Retention Volume: **304 gallons****

2: Rain barrel

- 130 gallon capacity
- How used? Irrigation of potted plants and back yard area. This is 536 sf.
- CDA*: 329 square feet (house roof area connected to downspout that is connected to the rain barrel)

Retention Volume: **299 gallons** (according to rainwater harvesting calculator)

3: Rain garden (standard bioretention)

- 50 sf bottom surface area
- 1.5' depth of filter media
- .5' depth of gravel layer
- 50 sf average surface area
- .5' max ponding depth
- 0.35 Volume of voids
- CDA*: 400 sf garage roof + 536 sf yard = 936 sf

Retention Volume: **241 gallons****

ADDRESS: 123 A STREET NW



*CDA means contributing drainage area. This is the runoff from the area that drains to the BMP.

** As calculated from the Standard Application BMP Spreadsheet.

LAND COVERS

Impervious Cover

House roof:	900 sf
Garage roof:	1,060 sf
Patio/decking:	374 sf
Other:	0 sf

Compacted Cover

Front yard:	0 sf
Back yard:	536 sf

Natural Cover

Forest:	0 sf
Meadow:	0 sf

Totals

Lot size:	2,870 sf
Impervious cover:	2,334 sf (should be consistent with DC Water assessment)
Compacted cover:	536 sf