The Sunset Terrace Watershed encompasses 39,500 square feet of Carolina Street, including part of 23rd street. With 1.575 Acre-feet of annual rainfall running down the slopes, almost all of it meets at our site and is intercepted by a single, small existing curb inlet. Sunset Terrace will implement a 120 square foot infiltration planter behind the existing curb inlet. Via proposed curb openings storm water runoff will be directed first to the infiltration planter before entering the curb inlet. The infiltration planter will filter pollutants and sediments biologically improving water quality without energy consuming treatment. It will detain then slowly release storm water into the existing storm sewer system lessening the increasing time of concentration burden being placed on existing street drainage systems resulting from global warming. Trees and plantings related to Sunset Terrace support filtration functions, contribute to carbon sequestration and the quality of natural environment and human experience.

**GOAL STATEMENT:**

<table>
<thead>
<tr>
<th>EXISTING SITE</th>
<th>PROPOSED SITE</th>
</tr>
</thead>
<tbody>
<tr>
<td>TREATED IMPERVIOUS SURFACE: 0 SQ. FT</td>
<td>TREATED IMPERVIOUS SURFACE: 25,860 SQ. FT</td>
</tr>
<tr>
<td>TREATED PERVIOUS SURFACE: 0 SQ. FT</td>
<td>TREATED PERVIOUS SURFACE: 13,640 SQ. FT</td>
</tr>
</tbody>
</table>

Proposed Site Location

Storm water Flow

Site Watershed
**SUNSET TERRACE INFILTRATION PLANTER**

CAROLINA GREEN SPACE SAN FRANCISCO

- **Existing Street Paving**
- **Existing Curb Grate**
- **Existing curb beyond**
- **Proposed Concrete Steps Beyond**
- **Gabion Retaining Wall 36" ht.**
- **18" Pervious Planting Soil**
- **Drainage / Filtration Gravel**
- **4" Perforated Drain Pipe Connect to Existing Curb Inlet Box**
- **Decomposed Granite Path 3' Wide / Dog Walk**
- **Gabion Retaining Wall 12" ht.**
- **Wood Benches Mounted to Top of Wall**
- **Existing and Proposed Cacti and Succulents**
- **Native / Naturalized Grasses in Infiltration Planter**
SUNSET TERRACE INFILTRATION PLANTER
CAROLINA GREEN SPACE SAN FRANCISCO

- Native planting
- 3"-6" cobble
- Existing curb inlet converted to flush grated basin and catchbasin
- Wood seat
- Backfill
- 36"x36"x18" gabion wall
- Set 6" deep, rock fill
- PVC drainage pipe connected to infiltration planter
- Bioretention soil
- 4" choking course aggregate
- Large course aggregate
- Filter fabric
- 6" perforated PVC pipes running length of planter connected to existing catchbasin