Senses of Wonder: Multiuse Lot Design for School Within School

**Goals**

- Uphold Reggio Emilia’s approach to learning through open-ended design and a variety of experiential programs.
- Provide necessary functions of a parking lot.
- Improve stormwater quality through biofiltration and increasing permeability.

**Design Concept**

- **HEAR**: whispers through echo dishes
- **TASTE**: paw paw, persimmon, trumpet honeysuckle, common fig
- **FEEL**: lambs ear, oakleaf hydrangea, white fringetree, smokebush
- **SMELL**: fragrant sumac, sweet pepperbush, spice bush, sweetbay magnolia
- **SEE**: redbud, sugar maple, witch hazel, joe pye weed

**Site Analysis**

- Maintain access for delivery and trash pickup.
- Screen view of parked cars.
- A and B soils good for plants and drainage.
- Disconnect downspouts utilize stormwater.
- Redirect stormwater from storm drains (pavers, rain garden).

**Design Process**

- Use shade tolerant plants
  - morning shade
  - afternoon shade
- Connect view of parked cars
- Utilize stormwater
- Maintain access for delivery and trash pickup

**Parking**

- **Taste**
- **Feel**
- **Hear**
- **Smell**

**Senses of Wonder**

- **Multiuse Lot Design for School Within School**
Perspectives: Before/After Comparisons

Circulation from parking lot to garden pathway

Sound room with whispering dishes and music classroom

Design Solutions

Stormwater: Impervious surfaces replaced with permeable pavers. Downspouts disconnected into rain gardens. 67% decrease in impermeability.

Learning in multiple ways: garden pathway is divided into 5 interactive gardens with their own unique characteristics

Multiuse: passive and active play areas
Sections

Section A: Transition Space

Section B: Changing of Seasons

SPRING

FALL