The site is flat with a slight 2-foot elevation change in the main playground. The water flowing out of the downsputs is to be directed into the water features and stormwater gardens/rock beds. All planting beds are drained to act as stormwater gardens and retain water for a short duration, allowing it to slowly infiltrate into the soil. The design intent is to make the processes of stormwater visible and a part of the curriculum. By making visible processes of water, generally hidden by piping away from the site, students will be able to see and more easily understand the importance of water in our soil climate. It will also open up discussions of environmental importance. Topsoil may include: wetlands, hydrologic cycles, wastewater, native plants and shrubs, and sources of pollution. EPA has a stormwater teaching guide at:

http://www.epa.gov/watershedtraining/publications/brochures.htm

All heavy precipitation will flow out and be directed towards the concrete planter and directed into the existing catchbasin near the NE corner of the parking lot. The basin of this catchbasin will then flow to the butterfly garden west of the parking lot. All gardens will receive additional irrigation.
SITE PLAN NOTED:

The design intent is based on two complementary themes: the Teddy Bear's Tea House, named after and inspired by Teddy Bear's Tea House in Portland, Oregon, and the concept of "Play with a Purpose." A site plan is developed with a focus on indoor and outdoor, as well as social play, and the goal is to provide a "playful" environment.

**LEGEND:**
- **Red:** Play area
- **Blue:** Learning area
- **Green:** Outdoor area
- **Orange:** Pathways
- **Yellow:** Parking area
- **Gray:** Building

**NOTES:**
- The site includes a main building and multiple accessory buildings.
- The site is designed to accommodate both indoor and outdoor activities.
- The design includes areas for social play, individual play, and competitive play.

**MAP SCALE:**
- 1" = 100'

**MAP PROJECTION:**
- UTM Zone 11N

**MAP COORDINATES:**
- NAD83

**CLIMATE ZONE:**
- 6A

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**DENVER PUBLIC SCHOOLS**
- OFFICE OF FACILITIES MANAGEMENT

**BARNUM ELEMENTARY SCHOOL**
- DENVER, COLORADO

**SITE PLAN**

**DRAWN BY:**
- [Name]

**SIGNED BY:**
- [Signature]

**DATE:**
- [Date]
PLANTING NOTES
The planting theme, based on metamorphosis, is butterfly gardens. Trees, shrubs, perennials, grasses, and bulbs are all chosen for the habitat/forage value - eggs, larval food, and/or nectar.
1. The outdoor classroom, in the courtyard area is planted with a boquete of honeyplants to give the space a feeling of containment and provide shade. The design intent was to create a planting much like the stage of Cirque du Soleil. The planting area also acts as a stormwater garden allowing rainwater from the downspouts to infiltrate slowly. Overflow shall be piped out.
2. The entrance is planted with a semi-formal butterfly garden consisting of shrubs, perennials, and ornamental grasses and ornamental trees.
3. The maze is planted with species crocus to create a temporary "metamorphic" maze in the spring.
4. Ornamental trees have been selected for their size so that they do not shade the sundial.