SITE ANALYSIS

- Pea Gravel: 7770 sqft
- Pea Gravel: 5490 sqft
- Mulch: 3080 sqft
- Asphalt: 17,600 sqft
- Grass: 3040 sqft
- Irrigated Grass Field: 133,638 sqft

- Community Entry
- Modular Buildings
- Park Property Irrigated Grass Field
- School Property Irrigated Grass Field

- Low Point: Vpan to catch basin
- Drainage Issues
- Snowplow

- No Dropoff
- No Access
- Underized/Parking Lot
- Bus Parking
- Unused Grass 18,468 sqft
- Pea Gravel 7770 sqft
- Asphalt 17,600 sqft
- Pea Gravel 5490 sqft

- Dropoff/Pickup Road (no street parking allowed)

- Scale 1" = 60'
`placement within the world`  
this project strives to relate the physical WORLD outside of the boundaries of the SITE to the larger context of the world in which MARRAMA students live.

**COLORADO:**  
- DINOSAUR NATIONAL MONUMENT  
- TELLURIDE  
- GREELEY

**UNITED STATES:**  
- CHICAGO, ILLINOIS  
- WASHINGTON DC  
- PORTLAND, OREGON

**WORLD:**  
- SAIGON, VIETNAM  
- MEXICO CITY, MEXICO  
- ABUJO, NIGERIA

**EDUCATIONAL VISION**  
`Place within the World` is a design idea meant to stimulate elementary play as well as develop knowledge of the world, beyond the site confines of Marrama Elementary Schoolyard. Through directional strategies based off of a mercatorial maps of Colorado, the USA, and the World; Geometry, Geography and local ecosystems are explored in this `Learning Landscape`. 
**SCHEMATIC DESIGN**

- **PROGRAM ELEMENTS**
  - Gateway
  - Shade Structure
  - Banner Pole Art
  - Student Tile Art
  - Public Art Piece

- **GATEWAY**
  - ECE Playground & Swings
  - ECE Tricycle Track
  - Primary Playground & Swings
  - Intermediate Playground & Swings

- **BASKETBALL**
  - Tetherball
  - Four Square
  - Hopscotch
  - US & World Maps

- **EARTH GROUNDS**
  - School Garden
  - Gathering Spaces
  - Multi-Purpose Field
  - Running Track
  - Picnic Area

**EDUCATIONAL ELEMENTS**

- Riparian Bioswale
- Montane & Prairie Zones
- Outdoor Classroom/ Amphitheater with 3 basic rock types
- Geographic Information Kiosks
**ENLARGEMENTS, MATERIALS & DETAILS**

**Area 3: Outdoor Classroom / Amphitheater / Stage**

3 Main Types of Rocks

- Sedimentary
- Igneous
- Metamorphic

**Section A**

**Riparian Bioswale**

Bioswales are an effective and natural way to use excess runoff. It creates a thick surface area for water percolation, and the plants in the swale not only love to soak up lots of water, but also help clean and purify the contaminated runoff.

**Plantlist:**

- Leymus triticoides (Creeping Wild Rye)
- Asdepias incarnata (Swamp Milkweed)
- Marsilea vestiga (Hairy Waterclover)
- Rynochospora colorata (Starrish Whitetop)
- Chasmanthium latifolium (Inland Sea Oats)
- Carex cherekeensis (Cherokee Sedge)

**Montane Zone**

Montane areas in Colorado are in the lower part of the mountains and are notable for having cooler temperatures and ample rainfall.

**Plantlist:**

- Holodiscus dunosus (Rock Spirea)
- Sedum lanceolatum (Yellow Stonecrop)
- Clematis ligusticifolia (Clematis)
- Oenothera caespitosa (Evening Primrose)

**Prairie Zone**

Prairie areas in Colorado are east of the mountains, and generally flat. These lands are famous for having very warm temperatures and low rainfall. Grasses, sedges and cacti do best here.

**Plantlist:**

- Linum lewisii (Blue Flax)
- Machaeranthera tanacetifolius (Tansy Aster)
- Cleome serrulata (Rocky Mountain BeePlant)
- Melilotus officinalis (Yellow Sweetclover)