The design team was tasked with creating an innovative learning environment that is a model for learning and be a source of civic pride.

Richard R. Oliphant Elementary School is a new school for the Desert Sands Unified School District. The site is an 11-acre lot in a developing area of Indio, a rapidly growing region in eastern Riverside County, California.

The major challenges of building on this site were: site access, the harsh desert sun, and constant winds. These challenges ultimately shaped the overall design solution. With site access being limited to one edge, careful consideration had to be given when planning for vehicular and pedestrian circulation. In an environment where the temperatures can reach well in the 100’s protection from the sun is a must. The wind in this area is a major obstacle that also needed to be solved in order to provide a protective, safe environment for students and staff.

Inspired by its natural desert environment, a limited color pallet and the use of simple forms allowed us to focus on textural changes in the façade material (plaster, corrugated metal, and perforated metal) that provided a more tactile building.

A solar panel covered canopy welcomes visitors to the campus and serves as a teaching opportunity for the community.

Three building blocks organized around a central courtyard provide security for the campus and protection from the wind. The eastern wing of each village cluster opens to engage the exterior courtyard and create an interactive, collaborative interior and exterior learning environment.

All these elements come together to create a beautiful, innovative learning environment and be a source of civic pride for the community.
**Scope of Work and Budget**

<table>
<thead>
<tr>
<th></th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROJECT SIZE</td>
<td>58,000 SF</td>
</tr>
<tr>
<td>ACRE TOTAL SITE</td>
<td>11+ ACRES</td>
</tr>
<tr>
<td>STUDENTS (K-5TH)</td>
<td>600</td>
</tr>
<tr>
<td>CONSTRUCTION BUDGET</td>
<td>$25.7M</td>
</tr>
<tr>
<td>COMPLETION DATE</td>
<td>FALL 2018</td>
</tr>
</tbody>
</table>

Located in a place known as the ‘City of Festivals’, home to Coachella and Stagecoach, two of the largest music festivals. The community is situated in the desert region bordered by the Little San Bernardino Mountains and Indio Hills to the East and the Saltan Sea to the South. Richard R. Oliphant Elementary School will be the first school in this new community.
**PLAY**
Students can feel safe to explore and find varied spaces for active or reflective activities. An extension of the indoor learning environment during school hours, an amenity to the community during non-school hours.

**PROTECTED**
The buildings provide a protective environment for nourishing the mind. The buildings were carefully arranged to protect an exterior courtyard and create an oasis within the harsh surrounding environment.

**PUBLIC**
This is what everybody sees. This space must be inviting and safe. This space was carefully planned to minimize pedestrian interaction with vehicular traffic to the site.

### A. community paseo  
### B. visitor parking  
### C. staff parking  
### D. bus drop-off  
### E. parent drop-off  
### F. bioretention  
### G. kinder play  
### H. outdoor classrooms  
### I. wind garden  
### J. ac hardcourts  
### K. play structure  
### L. play fields  
### M. solar canopy
Through extensive studies by a fully integrated design team and input from the stakeholders of staff and District leaders, it was determined that the right solution was a master plan organized with perimeter buildings around a central courtyard. By minimizing exterior circulation, providing light monitors that supply daylight into each learning commons, and recessing and protecting building fenestration we were able to both take advantage and protect occupants from the sun.
Learning Village
A six-classroom village surrounds a learning commons. Operable glass walls that open to common areas. This not only offers a visual connection when closed but provides an additional learning zone for students and teachers to utilize as a collaborative group or individual learning.
Learning Village
Bold interior graphics coordinated to connect with the planting palette associated with the exterior learning space connected to each village. This created ease of wayfinding as well as connection to nature.

'I feel way more connected with team & staff, and it creates an environment of sharing and collaboration that we would never have had with a solid wall between us. It creates a sense of community and family.'

Ms. Shipley
1st grade

https://twitter.com/OliphantES
Learning Commons
North facing light monitors provide each learning commons with natural light. Multiple learning tools are established in each learning village including monitors for digital display, tackable wall board and writeable walls. These along with flexible furniture offer students different learning zones to collaborate with their piers and educators.

‘I love the visibility & it allows me to have small groups working in both the classroom and the colab spaces while keeping an eye on both at once. We were worried about distraction at first with the glass, but the kids get over it quickly and they focus when they need to focus. It’s not an issue and is the least of our concerns now.’

Mrs. Dauto
2nd grade

https://twitter.com/OliphantES
Classrooms
Classroom environments are more adaptable to support students in everyday learning. Having flexible classrooms means teachers have the capability to utilize their educational space to perform different channels of learning and can focus on adaptations of different learning styles of students.

“We use the inclusion model and the learning commons can become an extension of the classroom. Looking outside you’re only seeing MORE learning so it’s not a distraction. The glass becomes a 5th whiteboard and another teaching surface. I love it!”

Ms. Nelson
3rd grade

https://twitter.com/OliphantES
Exterior Classrooms
Building placement allow for these exterior classrooms immediately outside the interior learning commons to be used as additional learning space even on the windiest of days.

“What a beautiful, state-of-the-art school. 600 students inhabit this $31 million learner facility. Flexible learning spaces, technology, and great teachers equal a recipe for success.

Scott Bailey

https://twitter.com/OliphantES
Exterior Classrooms
In an environment where wind is a major obstacle for exterior activities, the design team was able to create a protected exterior oasis for kinder play and provide outdoor collaborative learning spaces.
Kinder Play
Common hard surface features such as four-square, ball walls and basketball courts are provided to students to enjoy physical activity in the outdoors. Age-appropriate structures are provided at all age groups. Appropriate surfaces and materials are applied to ensure students can utilize outdoor play throughout the year.
PV panels shade entry and provide renewable power.

Building overhangs shade windows and classroom entries.

Perforated metal screen allows view while controlling solar gain.

Detention basins with drywells return 100% of stormwater to aquifer.

LED lighting & controls reduces LPD by 46% better than T-24 energy code.

North facing skylights bring natural light into the space.

Native plant material reduces portable irrigation use by 60%.

2.6% better than T-24 energy code.

N