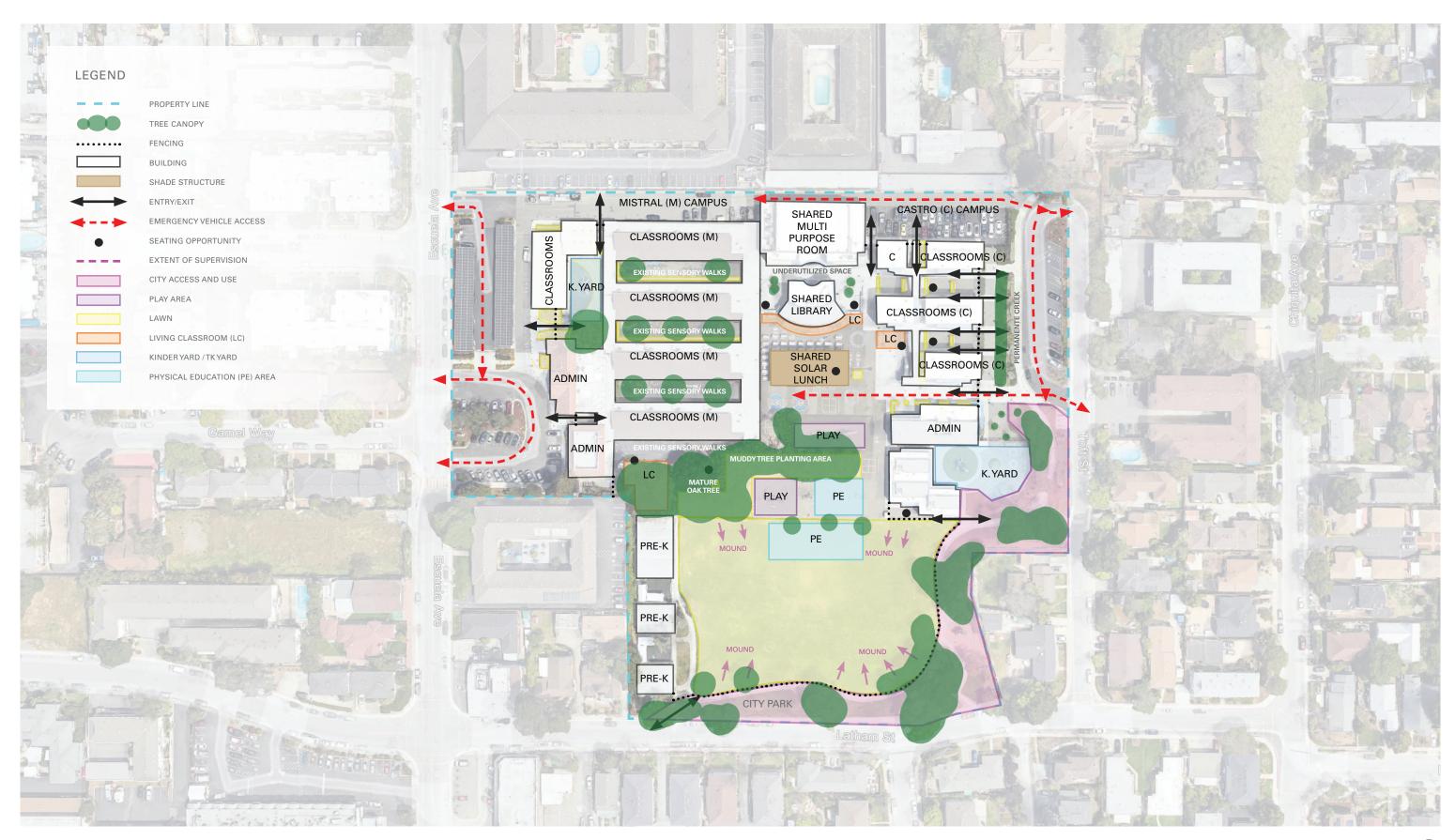
APPENDIX

- 01 GREENING INDEX & SITE PHOTOS BY SCHOOL
- 02 GREENING SCORE BY SCHOOL
- 03 ADDITIONAL RESOURCES



CASTRO/ MISTRAL ELEMENTARY SCHOOL

INITIAL SITE ANALYSIS | JULY 2023



CASTRO ELEMENTARY SCHOOL

GREENING INDEX ANALYSIS | APRIL 2024















CASTRO ELEMENTARY SCHOOL

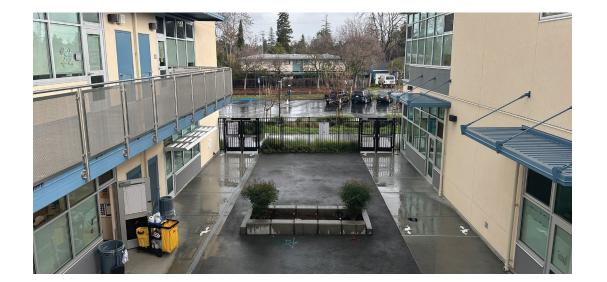












CASTRO ELEMENTARY SCHOOL













MISTRAL ELEMENTARY SCHOOL







MISTRAL ELEMENTARY SCHOOL









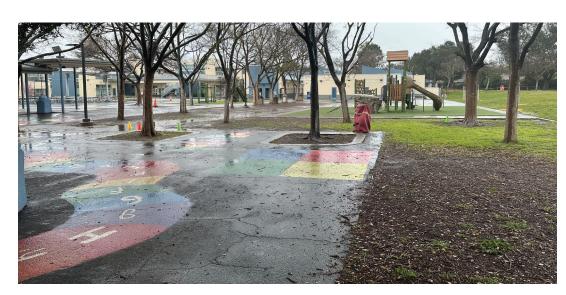




CASTRO/MISTRAL ELEMENTARY SCHOOL













CASTRO/MISTRAL ELEMENTARY SCHOOL

CASTRO METRIC CHECKLIST: PHYSICAL COMFORT



1	Seating areas are sheltered from sun, rain, and wind			
2	Multiple seating areas for different group sizes and activities, with at least one space for large school functions			
3	Learning and gathering areas are accessible and comfortable to students of all relevant ages and abilities			
4	Visual screening between campus and neighboring areas; planting buffers nearby noise			
5	Tree canopy will eventually cover 30% of school property			
6	Forest or grove setting			
7	Natural materials (mulch, decomposed granite, stone, etc.) are accessible for physical interaction			
8	Shaded, comfortable lunch area			
9	Existing shaded spaces are programmed to encourage use			
10	Heat island effect mitigated by painting asphalt with lighter, more reflective colors			
	TOTAL SCORE: PHYSICAL COMFORT			



ADDITIONAL NOTES

Lacks seating in general.

K-yard lacks trees and seating.

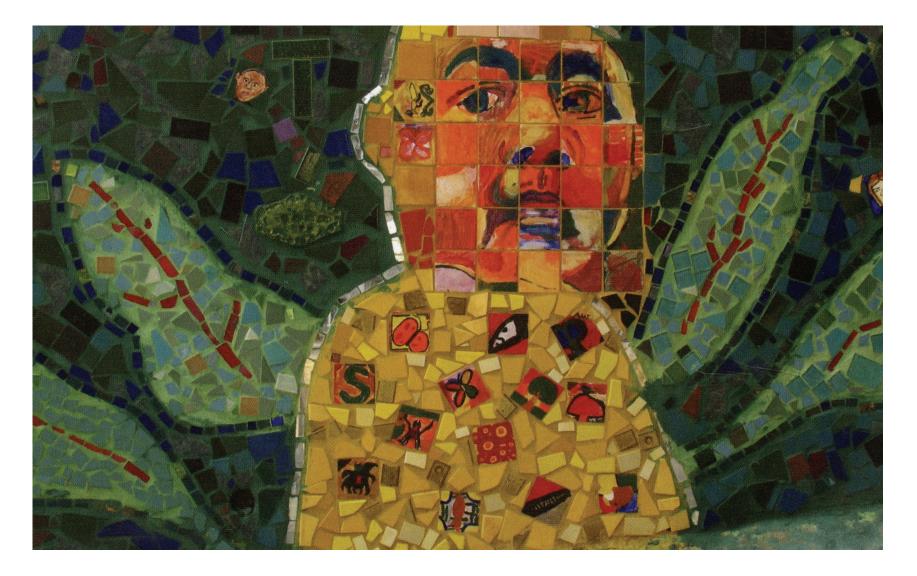
SCORING GUIDE:

0-3 \checkmark 's = NEEDS WORK | 4-7 \checkmark 's = ADEQUATE | 8-10 \checkmark 's = EXCELLENT

CASTRO METRIC CHECKLIST: MENTAL WELL-BEING



1	Quiet, semi-private spaces for contemplation				
2	Outdoor spaces for conflict resolution, and emotional & physical regulation are adjacent to classrooms				
3	Use zones on campus are laid out and defined to minimize conflict				
4	Opportunities for student horticulture				
5	Planting and materials engage all five senses				
6	Therapeutic interventions: sensory wall, walkway, auditory features				
7	Therapeutic interventions are accessible to the whole school population				
8	Student creations are used or on display				
9	Space for art production and/or performance				
10	ELEMENTARY: Space for messy play in a managed/controlled space (eg. mud table) MIDDLE: Spaces for socializing in various group sizes				
	TOTAL SCORE: MENTAL WELL-BEING				



ADDITIONAL NOTES

spaces between classrooms are used for conflict resolution.				

SCORING GUIDE:

0-3 \checkmark 's = NEEDS WORK | 4-7 \checkmark 's = ADEQUATE | 8-10 \checkmark 's = EXCELLENT

CASTRO METRIC CHECKLIST: EXPLORATION & DISCOVERY



1	Areas with varied topography			
2	Environment is explicitly designed to change with climate & weather conditions over time, and for student engagement			
3	At least one natural structure provides an outdoor "destination"			
4	Areas for native wildlife habitat			
5	Variety of tree types (deciduous/evergreen, small/large)			
6	Diverse planting palette without Cal-IPC-identified invasives species*			
7	ELEMENTARY: Nature play opportunities (informal play with natural materials) MIDDLE: Outdoor Science Laboratory			
8	ELEMENTARY: Nature play area compliments the traditional play structures and opportunities MIDDLE: Discovery Path connects distinct spaces around the campus			
9	ELEMENTARY: Movable/flexible play elements MIDDLE: Customizable outdoor space with movable furnishings			
10	ELEMENTARY: Nature play elements allow for vestibular movement MIDDLE: Natural areas with opportunities for physical challenges (e.g. a "Confidence Course")			
	TOTAL SCORE: EXPLORATION & DISCOVERY	1		

SCORING GUIDE:

0-3 \checkmark 's = NEEDS WORK | 4-7 \checkmark 's = ADEQUATE | 8-10 \checkmark 's = EXCELLENT



ADDITIONAL NOTES

*Cal-IPC (California Invasive Plant Council) works to stop the spread of invasive plants across California They lists invasive plants on their website: https://www.cal-ipc.org/plants/inventory/

CASTRO METRIC CHECKLIST: OUTDOOR LEARNING



1	Facilitate and support student understanding of their environment through data collection, informed observations and guided learning			
2	Outdoor learning garden provides opportunities for students to participate in every stage of gardening (seeding, planting, harvesting, composting)			
3	Outdoor learning garden has seating, water, secure storage, and an appropriate number of raised beds			
4	Outdoor learning garden is shaded for comfort			
5	There is an outdoor space suitable for classroom instruction			
6	District's maintenance staff is familiar with Bay-Friendly and other sustain- able maintenance practices			
7	School organizes community maintenance days			
8	Native plant garden or native planting throughout outdoor areas increases local ecological literacy			
9	Educational signage and/or artwork makes cultural references to local community			
10	Green infrastructure* is visible through signage and/or design			
	TOTAL SCORE: OUTDOOR LEARNING			

SCORING GUIDE:

0-3 \checkmark 's = NEEDS WORK | 4-7 \checkmark 's = ADEQUATE | 8-10 \checkmark 's = EXCELLENT



ADDITIONAL NOTES

Outdoor learning garden is lacking amenities. It could use a little fence.

There are stormwater planters but no signage.

*Green infrastructure filters and absorbs stormwater through a combination of natural and built materials. Examples of green infrastructure include: rain gardens, bioswales, infiltration basins, green roofs, permeable paving, subsurface detention systems.

MVWSD OUTDOOR LEARNING & GREENING STANDARDS

CASTRO METRIC CHECKLIST: OPERATIONS & SUSTAINABILITY



1	Planting suited to the regional climate and campus microclimates			
2	Plants are irrigated with efficient systems			
3	Stormwater is actively captured and/or infiltrated on site			
4	Lawn limited to necessary areas (playfields, etc.)			
5	Impermeable surface limited to necessary areas (ball play, circulation, etc.)			
6	Library has adjacent seating/instructional outdoor space			
7	Existence of a schoolyard committee (dedicated or part of a related group)			
8	School community outside of maintenance staff (students included) involved in schoolyard stewardship			
9	School has acquired outside resources (community partnerships and/or funding) for outdoor greening & learning			
10	School has an action plan/design vision for future school site improvements			
	TOTAL SCORE: OPERATIONS & SUSTAINABILITY			



ADDITIONAL NOTES

SCORING GUIDE:

0-3 \checkmark 's = NEEDS WORK | 4-7 \checkmark 's = ADEQUATE | 8-10 \checkmark 's = EXCELLENT

CASTRO METRIC CHECKLIST: STUDENT SAFETY & EXPERIENCE



1	Natural features define and reinforce the schoolyard boundary with public shared-use areas				
2	Natural features define and reinforce distinct outdoor spaces				
3	School entry reflects greening and sustainability objectives				
4	Waiting areas for pickup and dropoff have suitable amenities (shelter, seating, adequate visibility)				
5	Site exiting and accessibility requirement are maintained				
6	Movement between outdoor spaces is fluid				
7	Recreation is encouraged in supervised areas of campus are easily accessible from school buildings				
8	Gathering spaces for small groups in a natural setting				
9	Outdoor learning garden is secure but visible through gates, fencing and/or planted screens				
10	Loose materials are not sharp or heavy and tripping hazards are mitigated				
	TOTAL SCORE: STUDENT SAFETY & EXPERIENCE				



ADDITIONAL NOTES

Drop-off/pick-up areas need shade and seating.

Children will sit under the stairs on the play structure for quiet play.

SCORING GUIDE:

0-3 \checkmark 's = NEEDS WORK | 4-7 \checkmark 's = ADEQUATE | 8-10 \checkmark 's = EXCELLENT

CASTRO SUMMARY: SCHOOL GREENING SCORES



RANKING LEGEND:

NEEDS WORK: 0-3 √'s

ADEQUATE: 4-7 √'s

EXCELLENT: 8-10 √'s

GREEN SPACE (SF PER STUDENT)		SHADED SPACE: TREE CANOPY (SF PER STUDENT)	OPEN SPACE: SCHOOLS (SF PER STUDENT)	OPEN SPACE: CITY PARKS (SF PER STUDENT)
299	97	113	669	2,927

RANKING LEGEND:

RANKS INTHE LOWEST 4
RANKS INTHE MIDDLE 4
RANKS INTHETOP 3

SHADED SPACE: TREE CANOPY
(SF, % TOTAL SPACE)

18,133 (12%)

RANKING LEGEND:

NEEDS WORK: 0-14% tree canopy shade of total area
ADEQUATE: 15-29% tree canopy shade of total area
EXCELLENT: 30% or more tree canopy shade of total area

Transfer scores from category assessment pages



PHYSICAL COMFORT



MENTAL WELL-BEING



EXPLORATION & DISCOVERY



OUTDOOR LEARNING



OPERATIONS & SUSTAINABILITY



STUDENT SAFETY & EXPERIENCE

CASTRO GREENING PRIORITIES*



PHYSICAL COMFORT

- 1 More trees, planting and natural materials throughout campus
- 2 Forest or Grove Setting
- 3 Increase shaded seating, especially around play areas
- 4 Paint blacktop to alleviate heat, including educational/playful striping to activate blacktop
- 5 Enhance existing teacher patio



MENTAL WELL-BEING

- 1 Quiet areas for individual and small groups
- 2 Space for art production and/or performance
- 3 Art table or maker space which doubles as a social opportunity/work space Spaces between classrooms are used for conflict resolution
- 4 Provide prominent display board for student art



EXPLORATION & DISCOVERY

- 1 Nature Play and natural areas that are available to students during recess (including kinder yard)
- 2 Diversify planting and tree palette, including native plants & habitat gardens (i.e. butterfly garden)



OUTDOOR LEARNING

- 1 More amenities for outdoor learning garden (seating, shade, teaching tools and protection)
- 2 Shaded outdoor spaces/seating for reading during breaks, including area adjacent to library
- 3 Signage at stormwater planters



OPERATIONS & SUSTAINABILITY

- 1 Choose plants that can be maintained without intense manicuring (i.e. right plant, right place)
- 2 Provide proper maintenance training to district maintenance staff (i.e. Rescape)



STUDENT SAFETY & EXPERIENCE

- 1 Add natural features that define and enhance schoolyard
- 2 Level field to make it more practical for lawn games/ active recreation

^{*}The following greening opportunities were determined by the metric score assessments and meetings with the principal, staff and community conducted in September-December 2023.