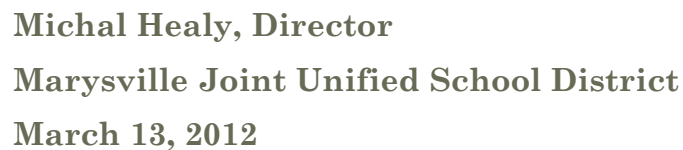


MAKING ORDER OUT OF CHAOS



FACILITIES PLANNING AND DESIGN

- Who are we?

- The small but **Mighty**:

- Kim Sutherland, The Bricks
- Angela Salcido, The Mortar
- Michal Healy, The Rebar



- What do we do?

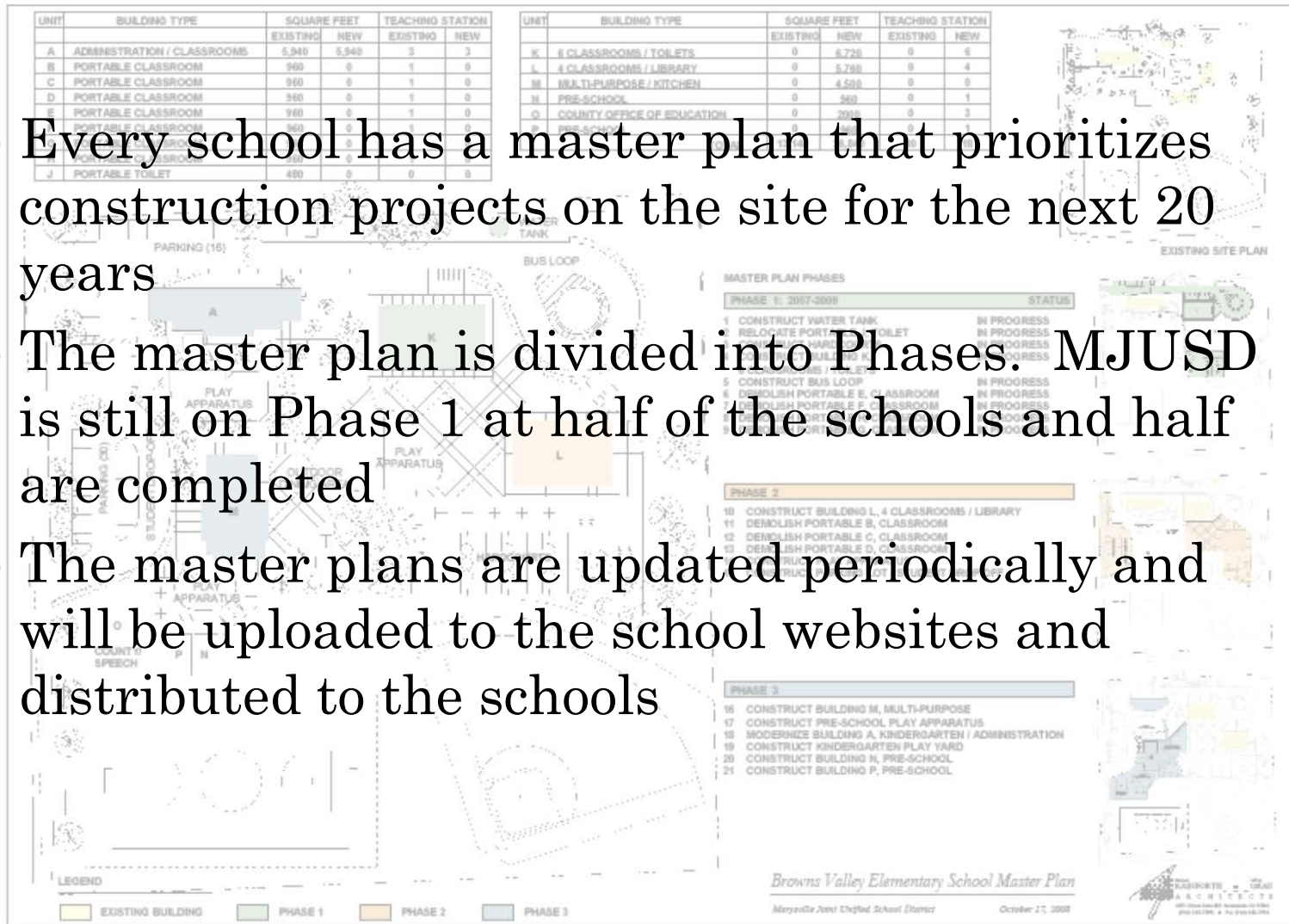
- Plan, Communicate, and Coordinate Building Projects

- Prior to construction
- Close projects with State Agencies after construction
- Using Measure H, Measure P, Developer Fees, State Matching Funds (OPSC), and Grants / Rebates

(Facilities operating costs and salaries are paid for by Developer Fees)

MJUSD MASTER PLANS

- Every school has a master plan that prioritizes construction projects on the site for the next 20 years
- The master plan is divided into Phases. MJUSD is still on Phase 1 at half of the schools and half are completed
- The master plans are updated periodically and will be uploaded to the school websites and distributed to the schools

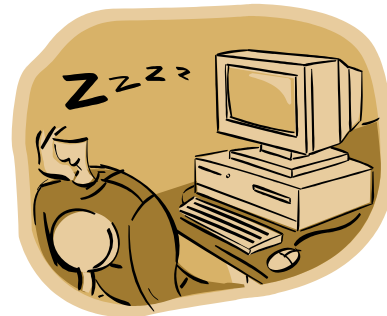


COORDINATION WITH STATE AND LOCAL AGENCIES / REGULATIONS FOR EVERY PROJECT:

- California Environmental Quality Act (CEQA)
- Department of Toxic Substances Control (DTSC)
- California Department of Education (CDE) School Facilities Division
- Division of State Architect (DSA)
- City of Marysville or Yuba County Public Works
- Yuba County General Plan / Specific Plans
- PG&E (Gas, Electricity, Savings by Design, Rebates)
- Fire Department
- Water District
- California Water Quality Control Board (SWPPP)
- Department of Industrial Relations (Labor Compliance)
- Office of Public School Construction (OPSC)

OTHER POSSIBLE AGENCIES:

- City or County Health Department
- Reclamation District
- Irrigation District
- City or County Environmental Health Department
- Yuba County Office of Education
- US Army Corps
- Regional Water Quality Control Board
- Department of Fish and Game
- Department of Transportation
- Feather River Air Quality
- Department of Forestry
- US / CAL EPA
- And on and on and on...



COORDINATION AND COMMUNICATION WITH MJUSD FOR EACH PROJECT:

- Master Plan
- Surveys
 - Civil Engineer (Topographic and Flood)
 - Soil Engineer (Soil Types)
 - Hazardous Building Material Consultant (Lead Paint, Asbestos)
- School Site (Principal, Teachers)
- Architect
 - High Performance Incentive Consultant
- MJUSD
 - Lennie Tate (Educational Specifications)
 - Scott Lane (Bus Drop Off and Parking Lots)
 - Mary Driscoll (Child Nutrition, Kitchens)
 - Bryan Williams (Technology)
 - Terry Biladeau (District Standards, Existing Conditions)
 - Mark Cartwright (Irrigation and Landscaping)
 - Toni Marquez (Student Services, Speech, SDC, ED, Nurse)
 - Jami Larson (Career Technical Education)
 - Kathy Woods (Preschool)
 - Victor Lopez (Construction)
 - Kathy Cartwright (Furniture and Equipment)
- Report to Bond Oversight Committee

2 TYPES OF CONSTRUCTION PROJECTS

- New Construction
 - Land Purchase
 - New Campus / School (Edgewater)
 - Addition of a Building to an Existing Campus
- Modernization
 - Renovate an Existing Building on a Campus
 - Upgrade Systems in Buildings
- Dobbins Elementary School New Multipurpose and Administration / Library Modernization



McKENNEY AND CEDAR LANE CLASSROOM MODERNIZATIONS

- Modernization of a an Existing Building
- High Performance Incentive Program with DSA
- Savings By Design
- Used as a case study by Collaborative for High Performance Schools (CHPS) throughout the United States for modernization

McKenney Building C
during Construction



ORIGINAL CLASSROOM



- Inflexible lighting
- Poor ventilation with old heating units
- Little insulation
- Single pane windows with air gaps

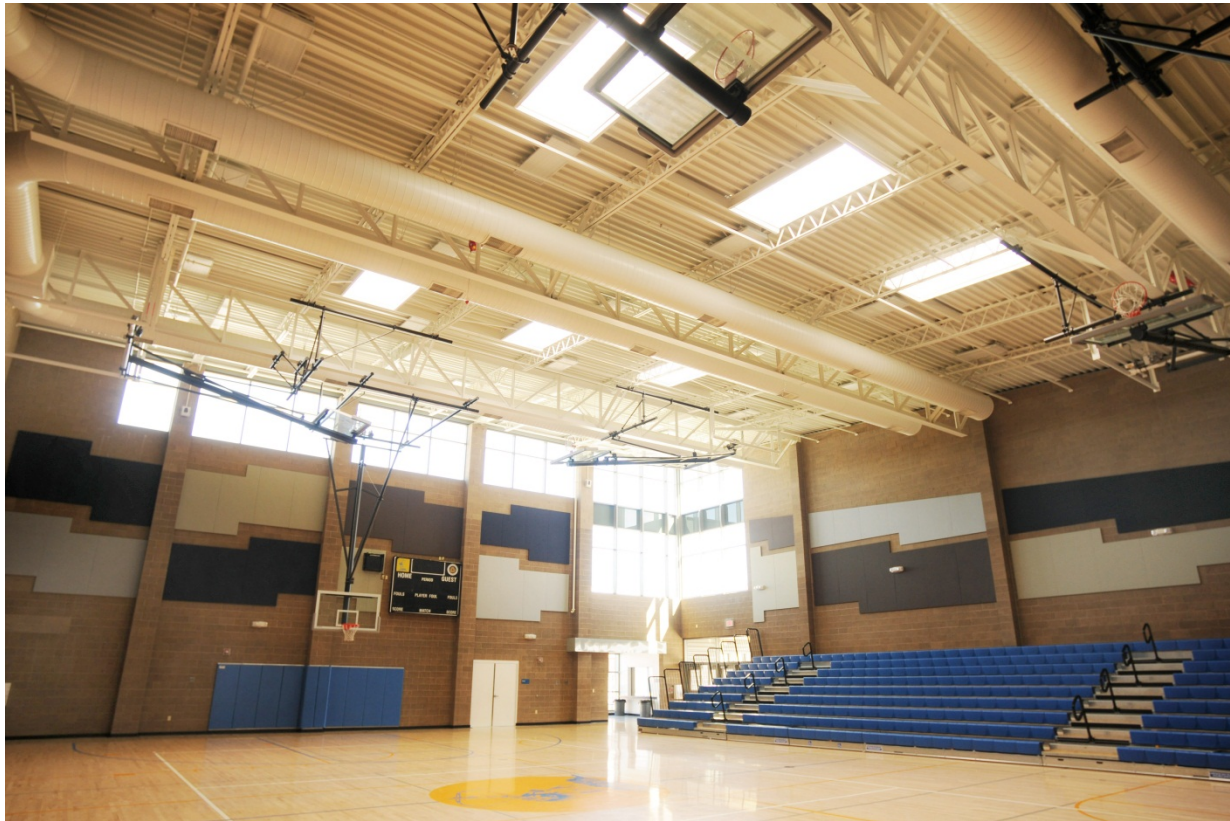
NEW ENERGY EFFICIENT CLASSROOMS



- Direct / Indirect flexible lighting with motion sensors
- Displacement ventilation heating and air conditioning
- 1.5" thick ceiling tiles with insulation
- Wall insulation between classrooms
- Double pane, low-E windows with weather stripping

MJUSD DESIGNS FOR ENERGY EFFICIENCY

- Skylights and windows in the McKenney and Yuba Gardens Gymnasiums



2010 PG&E INTEGRATION AWARD WINNER

- MJUSD **WON!**

- For Northern California



- Through collaborating with Maintenance, School Sites and Architects in new construction and modernization, MJUSD has been diligent about energy efficiency.
- Since 2007, PG&E has given MJUSD \$247,747 due to participation in the Savings by Design Program!

MJUSD FACILITIES OVERVIEW SINCE 2007

- ~ 110 projects
- ~\$100,000,000 in construction costs
- ~90 CDE Approvals
- ~100 DSA Approvals
- ~26 projects received money from OPSC
 - \$39,842,519.00
- ~5 projects to still receive money from OPSC
 - \$14,307,900.00



McKenney Intermediate School Gymnasium

QUESTIONS?