



QUARTERLY FACILITIES AND ENERGY MANAGEMENT UPDATE

November 17, 2015



AGENDA

- Bond Projects Update
- Other Sources of Funding Summary
- General Fund One-Time Money Projects Update
- School Site Funded Projects Update
- Fall Maintenance Projects
- Deferred Maintenance Update
- Prop 39/Energy Management Update
- Facilities Master Plan

BOND PROJECTS UPDATE





CURRENT ENCUMBRANCES

CURRENT PROJECTS/CLOSEOUT – FUND 23

Professional Services:	\$0
Architect Fees:	\$2,640
Federal & State Fees:	\$0
Labor Compliance:	\$5,006
Land Improvement:	\$14,698
Testing & Inspection:	\$0
Other Costs/Services:	\$53,289
TOTAL	\$75,633

Note: Figures are as of October 31, 2015



DISTRICT FACILITIES RECAP BOND FUND 23

Description	2014/2015 Fiscal Year	Expenditures	Totals
Cash Balance	\$259,704	\$(178,048)	\$81,657
Encumbrances – Fund 23	\$0	\$75,633	\$(75,633)
		Total Available Balance	\$6,024

Note: Figures are as of October 31, 2015



DISTRICT FACILITIES CASH FLOW FUNDS 23 & 35

Fund 23
(Bond Measure P)

\$6,024

Fund 35
(School Facility Fund)

\$141,948

TOTAL

\$147,972

Note: Figures are as of October 31, 2015



FOOTHILL INTERMEDIATE WASTE WATER SYSTEM

Expenditure Summary:

Architect Fees	\$4,500
Builders Risk Insurance	\$0
CDE Fees	\$0
Construction	\$279,260
Construction Testing	\$0
Construction Utility Costs	\$0
Engineering Fees	\$35,793
Environmental Services	\$1,436
Furniture and Equipment	\$0
Yuba County Envir. Health Plan Check and Inspection Fees	\$1,091
Other Costs - Bldg Improvement	\$614
Other Costs - Planning, Advertising, etc.	\$2,058
TOTAL	\$324,752

NOTE: Figures are as of October 31, 2015. Submittals & As-builts received 11/06/2015. Processing retention payment \$14,697.90. Low bid \$276,610.00 + 2 change orders. Yuba County Health Department required maintenance contract has been submitted. Maintenance is bi-annual plus the on going monitoring via Hydrotech – state licensed.



FOOTHILL INTERMEDIATE WASTE WATER SYSTEM



Leach fields in olive orchard cleared and hydro seeded with native drought tolerant grasses. 36 points of inspection.

Maintenance to install construction fencing to surround leach field. Remove old construction fencing as was required by Yuba County Environmental Health

OTHER SOURCES OF FUNDING





OVERVIEW

<p>Deferred Maintenance - Fund 14</p>	<p>\$678,318 (as of 10/31/15) <i>Including \$820,000 per year per LCAP</i></p>
<p>Routine Restricted Maintenance (8150)</p>	<p>\$2,022,040 (2015/2016) Expenditures (as of 10/31/15): \$(634,357); Encumbrances (as of 10/31/15): \$(1,202,171) <u>\$185,562 (remaining as of 10/31/15)</u></p>
<p>General Fund One-Time Money <i>Includes One-Time Discretionary and Previously allocated General Fund EFB</i></p>	<p>\$5,066,403 - 2015/2016 (multi-year) \$(796,829) (allocated as of 10/31/15) <u>\$4,269,574 (remaining as of 10/31/15)</u></p>
<p>Prop 39 MJUSD – Clean Energy (Fund 01 - Restricted MJUSD) Funds Follow submittal of “plan” when ADA over 1K</p>	<p><u>\$2.2 Million</u> (Over 5 Years) <i>RGA for LINDA HVAC paid from planning funds (received prior years)</i></p>
<p>Prop 39 MCAA – Clean Energy (Fund 09 - Restricted MJUSD) Submitted for Year 2 and 3 funds on 8/26/15</p>	<p><u>\$250,000</u> (Over 5 Years)</p>

GENERAL FUND ONE-TIME MONEY PROJECTS





COVILLAUD ELEMENTARY

FENCING/CAMERAS

Expenditure Summary:

Architect Fees	\$29,520
Builders Risk Insurance	\$0
CDE Fees	\$0
Construction	\$302,100
Construction Testing	\$829
Construction Utility Costs	\$0
DSA Fees	\$1,786
Engineering Fees	\$3,000
Environment Services	\$0
Furniture and Equipment	\$10,672
Inspection Fees	\$6,440
Security	\$0
Other Costs - Bldg Improvement	\$312
Other Costs - Planning, Advertising, etc.	\$4,439

TOTAL	\$359,098
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Note: Figures include hard and soft costs as of 10/31/15. Retention payment pending submittal of O&M, Warranties and As-builts. Retention is released 35 days after the NOC records at the County.

*Swing gate to be repainted with the next warm weather – powder coating is coming off in some spots.
The technology expense was for a server which will ultimately serve more than this project. Low bid amount was \$318K.*



SOUTH LINDHURST PORTABLE

Expenditure Summary:

Architect Fees	\$23,678
Builders Risk Insurance	\$0
CDE Fees	\$0
Construction	\$264,355
Construction Testing	\$4,173
Construction Utility Costs	\$0
DSA Fees	\$1,290
Engineering Fees	\$1,500
Environment Services	\$0
Furniture and Equipment	\$19,261
Inspection Fees	\$8,470
Security	\$0
Other Costs - Bldg Improvement	\$2,308
Other Costs - Planning, Advertising, etc.	\$2,053
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TOTAL	\$327,088

Note: Figures are as of October 31, 2015. Low Bid was \$204K (plus change orders).



ARBOGA LEGACY CLOSEOUT WITH DSA CERTIFICATION (6) PORTABLES/SITE WORK



Scope: Pull and replace carpet, built-in cabinets, inspect and make possible improvements to joint connections in floor and T-Bar. 1600 feet of new concrete flatwork and other accessibility improvements such as signs, fencing, and gates, etc. Install new play apparatus that is site funded.

Original project pre-2006 - DSA is requiring this past work to be closed with certification with a deadline of Summer 2016. Resubmittal to DSA is required for path of travel to playground.



LINDHURST HIGH CENTRAL PLANT/HVAC PROJECT



**Improvements to be made in stages starting with C and F buildings. Gym to follow, other classroom buildings then the administrative building.
Funded from Deferred Maintenance and General Fund.**



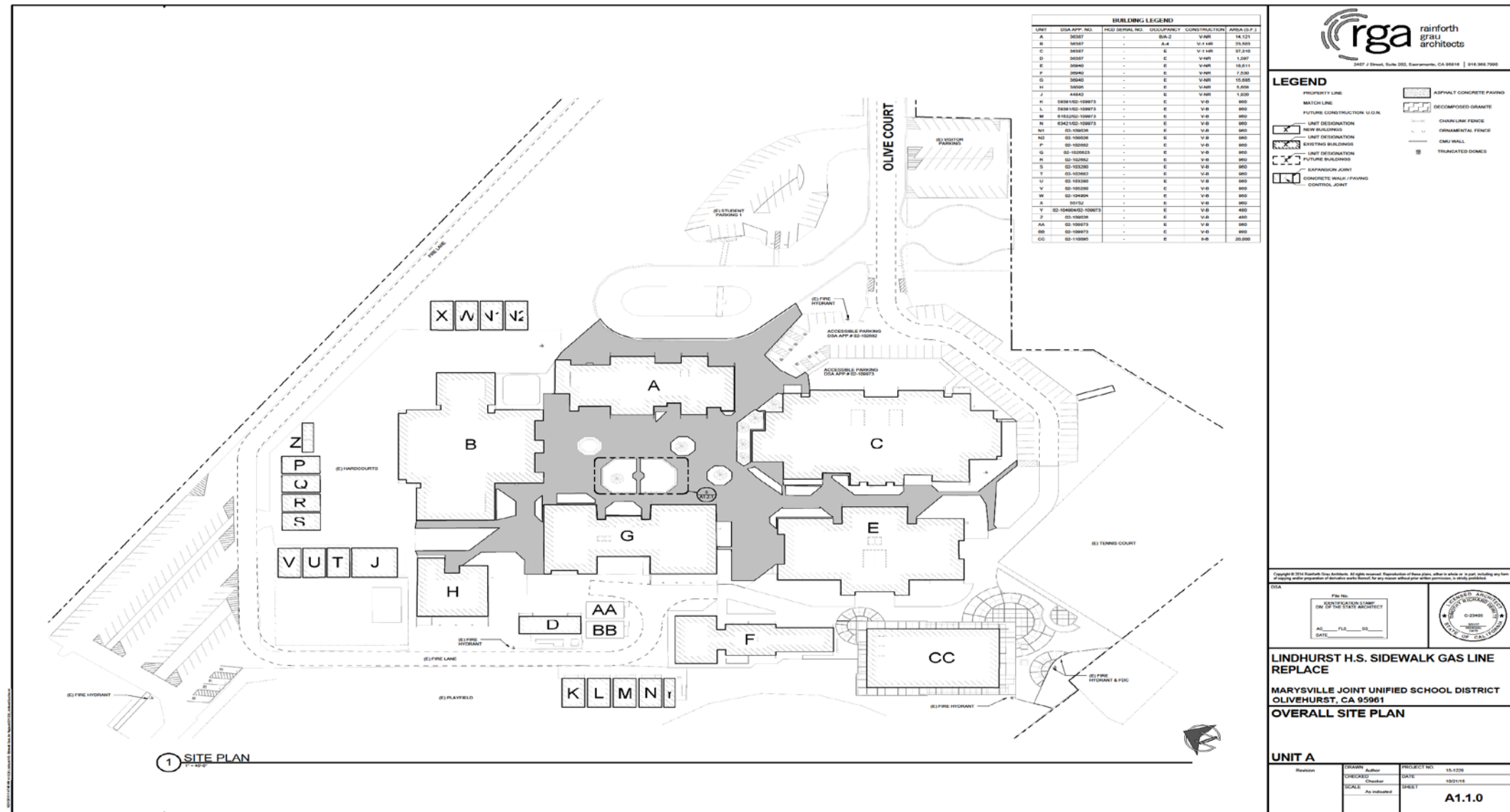
LINDHURST HIGH GASLINE/QUAD



**Concrete Demo/Gas Line Replacement/Tripping Hazard Repair/ADA/Accessibility.
Scoping/estimated and design (costs) underway. Scoping meeting held in October 2015.**



LINDHURST HIGH GAS LINE/QUAD



Conceptual Drawing. Approximately 55,000 square feet of concrete, ADA/Accessibility improvements plus landscaping and approximately 2,200 lineal feet gas pipe replacement.

SCHOOL SITE FUNDED PROJECTS





ARBOGA ELEMENTARY PLAY APPARATUS/TREE WORK



Tree trimming, weight reduction, remove dead wood, shape canopy, remove low hanging branches completed by MJUSD Grounds staff. Saved \$2,400.00.

Remove and reinstall play apparatus, site work, path of travel, add bark, inspection for safety.



SCHOOL SITE FUNDS CURRENT PROJECT LIST

SCHOOL SITE/ DESCRIPTION	FUNDING SOURCE	STATUS	SCOPE	ESTIMATED TOTAL COST (HARD & SOFT COSTS)
MCAA Modular Additions	Charter Funds (09)	<p>In design – electrical plan and site map completed November 2015 To DSA December 2015/16</p> <p>Bid Opening Tuesday, February 16 @ 3PM</p> <p>Construction Summer 2016</p> <p>Potholing for water line in November; estimated cost \$800.00</p>	<p>Topo completed Design team scoping continues through mid - October</p> <p>Received fire department approval November 6, 2015</p> <p>Add two modular buildings, with infrastructure for a third</p> <p>Plus site work and flat work, moving the storage building near tennis courts adding cameras, accessibility/ADA upgrades per DSA (pending)</p>	<p>(DSA review and approval required)</p> <p>Estimate and Bid Amount over next several months</p> <p>Estimating continues winter 2015</p> <p>Ultimate hard costs depend ultimately on bids received</p> <p>Portables Purchased approved 10/27/2015 via Portable Facilities Company \$31,440.00 each which includes flashing, excludes blinds, sinks and casework.</p>
Olivehurst Office Improvements	Site funds	<p>Proposal \$4,760.00 Findley Iron Works</p>	<p>Adding wrought iron fencing, gate, hardware.</p>	<p>Service Agreement Underway</p>



SCHOOL SITE FUNDS CURRENT PROJECT LIST

SCHOOL SITE/ DESCRIPTION	FUNDING SOURCE	STATUS	SCOPE	ESTIMATED TOTAL COST (HARD & SOFT COSTS)
LHS / Sign	Site Funds (01)	Proposals being sought as of November 2015	Remove and replace existing sign Daktronics New mounting system	Site Budget is \$25K total



To be installed over winter break once the Service Agreement is approved.



MCAA PORTABLE ADDITION/SITE WORK



Before



MCAA PORTABLE ADDITION/SITE WORK



Non DSA Approved Structure. Options considered (add to scope): (1) add fire wall (rating) for DSA required separation, (2) relocate, (3) demolish or, (4) limit the number of portables placed in this location (less than the MCAA desired quantity of up to 3 portables).

FALL MAINTENANCE AND GROUNDS PROJECTS





BROWNS VALLEY SECONDARY PARKING LOT AND FENCING



Before and After. Maintenance costs on fencing materials \$2,600. Contractor estimate \$14,000. Estimated savings on fencing \$11,400. Maintenance cost on lot \$3,500. Contractors Estimate \$14,500. Estimated savings on lot \$11,000.



CEDAR LANE HVAC TECH COM ROOM



**Before and After. Maintenance costs on materials/labor = \$5,500.
Contractor estimate = \$21,000. Savings = \$15,500.**



EDGEWATER HVAC TECH COM ROOM



Contractor price = \$9,500. Maintenance price = \$1,800. Savings = \$7,700.



FOOTHILL RETAINING WALL AND ASPHALT ADDITIONS/REPAIRS



Before and After – Estimated Savings of \$11,700.00 asphalt patch playground and \$35,600.00 retaining wall and asphalt walkway from field.



FOOTHILL FIELD & IRRIGATION IMPROVEMENTS



Scope: excavate and install a booster pump and other controls and components/valves, trench and relay PVC and add sprinklers and smart controls. Low voltage and electrical likely needed. Grade, add fill dirt, top soil and hydro seed. Aerate and reseed occasionally.



KYNOCH 2" WATER LINE REPAIR



After



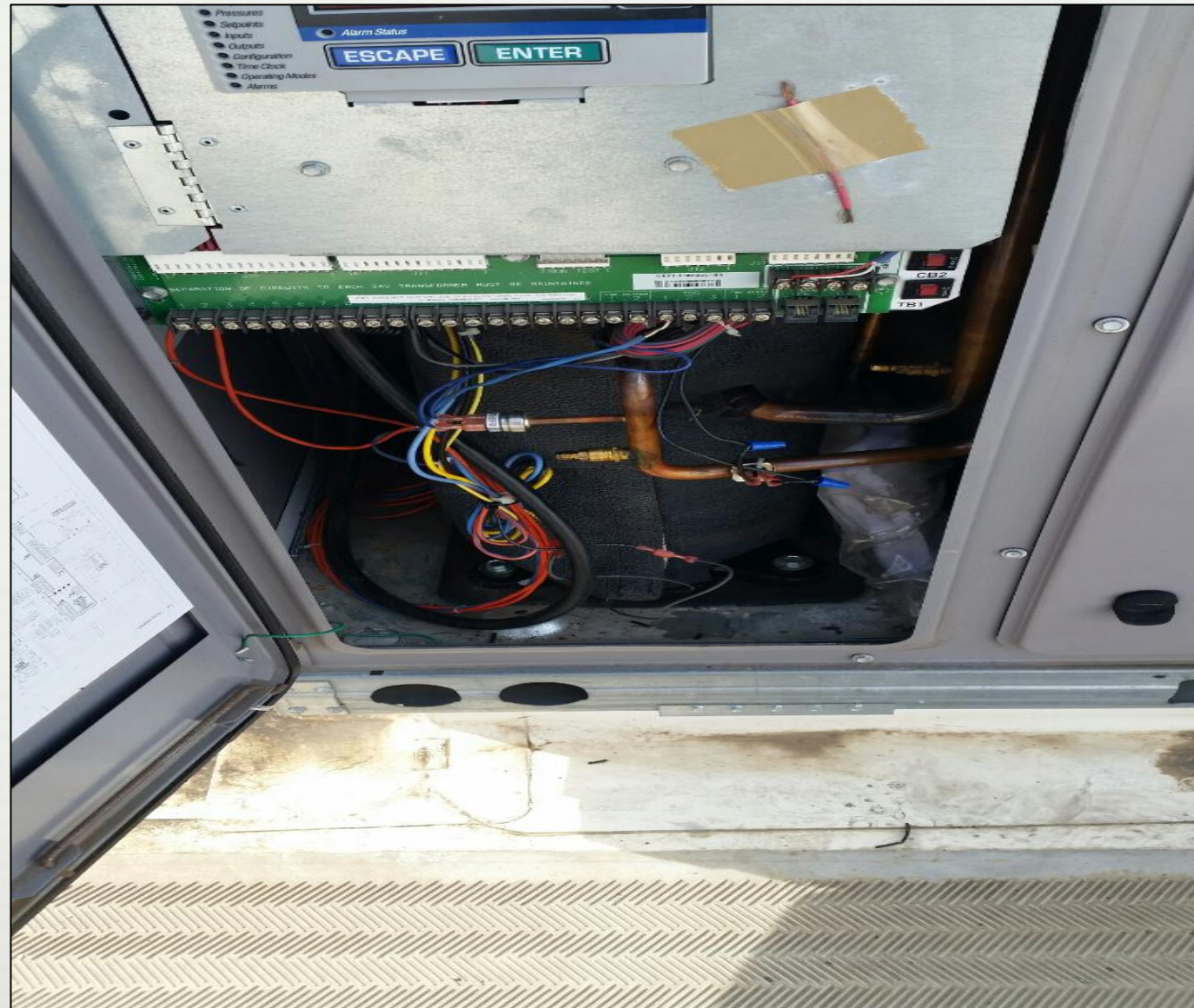
MHS HVAC PM/SURROUND SHOP CLASSROOMS



**Before and After:
enclosed to prevent bird access/debris.**



MHS HVAC COMPRESSOR CHANGE ROOM 105



**Contractor Price = \$3,500. Maintenance Price = \$1,200.
Savings = \$1,300.**



MHS/PG&E TREE REMOVAL & STUMP GRINDING



PG&E to remove trees for free and MJUSD to pay for round removal and stump grinding. Proposal Board approved on 10/27/2015 – Cost of \$6,900 via Twin Cities Tree Service.



MHS 10" WATER LINE REPAIR





OLIVEHURST ROOM 24 HEAT PUMP REPLACEMENT



Contractor Price = \$7,800. Maintenance Price = \$2,500. Savings = \$5,300.



OLIVEHURST

ADD OFFICE DOOR/WINDOW

GENERAL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.
2. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING CODES: 2013 CALIFORNIA BUILDING CODE, PART 2 TITLE 24 C.C.R. 2013 EDITION AND LATEST REVISIONS REFERRED TO HERE AS "THE CODE", AND OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK, INCLUDING THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY, AND THOSE CODES AND STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS.
3. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION.
4. SUBSTITUTIONS FOR STRUCTURAL MEMBERS, HARDWARE, OR DETAILS SHALL BE REVIEWED BY THE ARCHITECT AND STRUCTURAL ENGINEER. FOR A SUBSTITUTION TO BE REVIEWED THE CONTRACTOR SHALL AGREE & COMPLY WITH THE FOLLOWING:
 - A. THE CONTRACTOR SHALL BE BILLED ON A TIME AND MATERIALS BASIS FOR THE REVIEW OF THE SUBSTITUTION WITH NO GUARANTEE OF APPROVAL.
 - B. VERIFY THAT THE SUBSTITUTION DOES NOT AFFECT DIMENSIONS SHOWN ON DRAWINGS.
 - C. THE CONTRACTOR SHALL ALSO PAY FOR CHANGES TO THE BUILDING DESIGN, WHICH INCLUDES BUT IS NOT LIMITED TO, ENGINEERING DESIGN, DETAILING, APPROVAL AGENCY PROCESS AND CONSTRUCTION COSTS CAUSED BY THE REQUESTED SUBSTITUTION.
 - D. THE PROPOSED SUBSTITUTION IS TO HAVE NO ADVERSE AFFECT ON OTHER TRADES, THE CONSTRUCTION SCHEDULE, OR THE SPECIFIED WARRANTY REQUIREMENTS.
5. NO STRUCTURAL MEMBERS SHALL BE CUT, NOTCHED OR OTHERWISE PENETRATED UNLESS SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER IN ADVANCE OR SHOWN ON THESE DRAWINGS.

SAFETY NOTES:

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE PERTINENT SECTIONS OF THE "CONSTRUCTION SAFETY ORDERS" ISSUED BY THE STATE OF CALIFORNIA LATEST EDITION, AND ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
2. THE STRUCTURAL ENGINEER DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY WITH THESE REQUIREMENTS.
3. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING FOR VERTICAL AND/OR LATERAL LOADS, SHORING AND LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC.
4. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BRACING, SHORING, ETC. FOR ALL EXISTING AND NEW CONSTRUCTION FOR A COMPLETED PROJECT. THIS INCLUDES, BUT IS NOT LIMITED TO, THE INSTALLATION OF NEW FRAMING AND THE MODIFICATION OF THE EXISTING FRAMING.
5. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER WILL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.

		Project Information: NEW DOOR AT OLIVEHURST ELEMENTARY SCHOOL 1770 MADISON PARKWAY, OCEVING, CA Sheet Title: GENERAL STRUCTURAL NOTES	Job: 5-040 By: HCB Date: NTS Scale: 10-5-5 Sheet No.: S-001
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Maintenance will complete this project – estimate under way.



MCAA HVAC COMPRESSOR CHANGE



Contractor Price = \$3,500. Maintenance Price = \$1,200. Savings = \$2,300.



YUBA FEATHER – REPLACING SIX WINDOWS/PAINTING TRIM



**Material = \$1,200 plus 3 days man hours = \$400. Estimated savings \$5,400.
Materials arrived.**



YUBA GARDENS SIDING REPLACEMENT



To be replaced over a holiday break.



VARIOUS PAINTING PROJECTS



MHS Field House Stair Treads



MHS – Athletics



MISCELLANEOUS CARPET REPLACEMENT

- Lindhurst High school – C wing 1st floor (6 rooms)
- MCAA Charter classroom
- Transportation Office





DISTRICT OFFICE PERIMETER - ROADWAY GATES/BOLLARDS



**Contractors estimate = \$8,290.00. Maintenance costs – underway.
To reuse the traffic gates from Covillaud.**



D.O. FREEZER ROOF REPAIR



Before and After



MISCELLANEOUS IMPROVEMENTS & COST SAVING MEASURES

- **In-house HVAC Preventative maintenance/Belt and Filter Changes – district wide**
- **E lighting Preventative Maintenance Plan/testing and battery change – district wide**
- **Gutter cleaning – district wide**
- **MSDS Online**
- **Electrical Safe Practices**
- **Preventative maintenance codes entered in School Dude Software – training completed**
- **AHERA Compliance/Inspections/Training (facilities and maintenance)**
- **Foothill Schools Water Studies (facilities and maintenance)**
- **Spill Prevention Plan (underway as required per Yuba County Environmental)**
- **Tail gate (safety) training – Maintenance Staff (Implement for Grounds)**
 - **(required every ten days – per OSHA)**

DEFERRED MAINTENANCE PROJECTS





DEFERRED MAINTENANCE ITEMS

SCHOOL SITE/DESCRIPTION	FUNDING SOURCE	STATUS	SCOPE/DEPARTMENT	ESTIMATED TOTAL COST (HARD & SOFT COSTS)
Foothill Storm Drain	Deferred Maintenance	Board approved To be completed over Thanksgiving Break via Fletchers Plumbing and Contracting Facilities	Locate buried storm drain, jet and clean storm drain system	Not to exceed \$14,500
Lindhurst Gym Ventilation	Deferred Maintenance	Completed Fall 2015 Maintenance	Materials and Labor Maintenance Department Installation	\$8,000 (rough estimate until completed)
Lindhurst Interior/Exterior PA Improvements	Deferred Maintenance	Board Approved Completed Fall 2015 Facilities	Identify/ install home runs/label; Install 2 new amplified speakers on the south facing wall of the gym facing the quad; and Install 2 new amplified exterior speakers outside the south portable classrooms facing the fields; and removal and replacement of the existing interior of west facing portables and install one amplifier; and removal and replacement of the exterior speakers on the west facing portable on campus plus the installation of one amplifying speaker.	Not to exceed \$10,390
MHS Kitchen HVAC Replacement	Deferred Maintenance	Scoping: Summer/fall 2015 Design: Winter 2015 Construction: Summer 2016 Facilities	Remove and replace current HVAC components Remove and replace current Ansel system	Estimated at \$145,000 Note: Costs are updated as design and approval progresses. Managed by facilities staff



FOOTHILL INTERMEDIATE STORM DRAIN CLEANING/JETTING



Clogged and filled with mud/clay. Field drain buried. To be completed over Thanksgiving Break.



MARYSVILLE HIGH KITCHEN HVAC REPLACEMENT



**REPLACE 2 SWAMP/REZNOR HEATERS WITH 5 3.5 TONS MAKE UP AIR.
INSTALL MODERN FIRE SUPPRESSION SYSTEM FOR 2 OF 3 HOODS.**

PROP 39 AND ENERGY MANAGEMENT PROGRESS





LINDA ELEMENTARY HVAC AND LIGHTING

1. Design completed; DSA Exemption Approved (\$400). Estimated total Costs (hard and cost) \$254,100.
2. Bid Opening January 4 at 2 P.M.; Bid award March 8. Construction Summer 2016.
3. Scope Includes: Replacing 18 HVAC units, installation of sensors and 9 parking lot lighting heads to LED. Lighting retrofits (separate from 8164)
4. Use of Prop 39 funds is restricted and will be subject to audits and verification from the state.
5. CEC/Prop 39 plan to be submitted (LINDA, LHS and MHS and other as funding allows up to \$2.2 Million).
6. Funding follows the submittal of a CEC plan, per year for 5 years.



LINDA - ESTIMATED SAVINGS – PROP 39

Energy Efficiency Measure Drop down menu	Description	Demand Savings (kW)	Annual Electric Savings (kWh)	Annual Natural Gas Savings (therms)	Annual Cost Energy Savings (\$)	Estimated Measure Cost (\$)	Rebates (\$)	Saving to Investment Ratio (1.05 required total)
Lighting Controls	Install 37 Occupancy Sensors.	0.00	16,908	N/A	\$ 3,136.00	\$ 14,700.00	N/A	1.80
Lighting - Interior Linear Fluorescent Relamping	Delamp 444 Fluorescent Lamps replace with LED Lamps. Some CFL to LED as well.	10.20	13,888	N/A	\$ 2,576.00	\$ 1,600.00	N/A	6.44
Lighting- Exterior Fixture Retrofit	Clocks broken – replace so shut off during day light hours	1.20	5,601	N/A	\$ 1,039.00	\$ 1,300.00	N/A	11.50
Lighting- Exterior Fixture Retrofit	6 pole mounted Exterior light heads to LED. 250 watt H.P. Sodium to LED	0.00	5,381	N/A	\$ 998.00	\$ 6,500.00	\$ 431.00	2.59
HVAC- Packaged/Split System AC/Heat Pump/VRF	Replace 2 three ton units, 5 five tons units, and 1 8.5 ton unit.	31.20	34,000	395	\$ 6,708.00	\$ 65,000.00	N/A	1.70

Note: Final figures may change slightly. SIR is met with the above at 2.01 (1.05 required).



MCAA OVERVIEW

1. Year two and three funds applied for in September – ADA under 1K.
2. Wireless HVAC controls (parts \$9304.65/labor \$900.00 = Total \$10,474.65). Purchase Orders to be issued in November. Installation over a holiday break.
3. Prop 39 fianl plan to be received by Mid November and submitted to CED/Prop 39 website, Funding to follow.
4. 3 of 18 BARD units to be quoted and replaced. SIR not met for all 18 under Prop 39 requirements.
5. Lighting retrofits to LED to be quoted and replaced
 - LED Lighting trial since spring 2015; 34 watt fluorescent lamps to LED 17 watt lamps. Went from three lamps per fixture to two lamps per fixture = energy saving. Cleaner lighting.
6. Funds Restricted and subject to audit and verification by the state.



MCAA ESTIMATED SAVING – PROP 39

Energy Efficiency Measure	Description	Demand Savings (kW)	Annual Electric Savings (kWh)	Annual Cost Energy Savings (\$)	Estimated Measure Cost (\$)	Rebates (\$)	Saving to Investment Ratio 1.05 required
Lighting- Retrofit Interior Lamps to LED	Retrofit pendants /fluor with LED Tubes. Calc based on 20 watts to install 17 watt LED.	7.00	12,400	\$2,149.00	\$41,822.00	\$ 397.00	28,735.44
Lighting- Exterior Fixture Retrofit	Retrofit large exterior wall packs with LED fixtures	0.60	2,418	\$440.00	\$6066.00	\$ 300.00	1.34
Lighting Controls	Add exterior controls for wall packs	0.00	484	\$88.00	\$900.00	\$ 39.00	0.95
Lighting- Retrofit Interior Lamps to LED	Retrofit incand./CFL with LED	8.70	12,845	\$2,338.00	\$7188.00	\$ 1,028.00	5.68
Lighting Controls	Occupancy Sensors classrooms and offices	0.00	4,973	\$905.00	\$900.00	\$ 149.00	0.90
HVAC Controls- Programmable/Smart Thermostats	Install Wireless T Stats for central control.	0.00	7,130	\$2955.00	\$12,474.00	N/A	3.01
HVAC- Demand Controlled Ventilation	redirect exhaust from storage room to server room in main office	0.00	0	0	\$518.00	N/A	0.18
HVAC- Packaged/Split System AC/Heat Pump/VRF	Replace 3 of 18 total heat pumps with higher energy efficient units	0.00	8,602	\$3,068.00	\$27,843.66	\$ 2,528.00	0.51



ENERGY MANAGEMENT

1. Completed the total of four of training October 2015
2. Continual “shut downs” as current staffing levels allow.
 - Shut off HVAC, computer labs
 - Modernization help with energy savings
3. Ongoing data input from utility bills – thank you to the Accounting department staff
4. Coordinating to create new MJUSD standards for T-stats and LED lamps. Partnering with facilities, purchasing, and M&O staff members.
5. Added T-Stats save energy as they are programmed to bell schedule and to school calendar. Heat/Air won’t run over breaks. Allows for 3 +/- Degrees variation per room/office. Current stats are manual with no limitations.



FACILITIES MASTER PLAN

- Long Range Facilities Master Plan
 - Site Assessment completed as of November 9
 - Board Study Session December 15th @4PM
 - More to come!



THANK YOU



QUESTIONS?