



2016 FACILITIES IMPROVEMENT PLAN

HIGH QUALITY FACILITIES
+
BEST QUALITY EDUCATORS
+
LOCAL SUPPORT
=
HIGH PERFORMING STUDENTS

Bear River
High School



NEVADA
UNION
Miners



McCourtney Rd. Adult Center

DRAFT

S
SILVER
SPRINGS
HIGH SCHOOL

NORTH POINT
ACADEMY

INTRODUCTION

The Nevada Joint Union High School District 2016 Facilities Improvement Plan has been prepared by DLM Architecture in collaboration with district business, facility, maintenance, school staff, and students beginning in the summer of 2014 culminating in working presentation sessions at Bear River and Nevada Union High Schools in November 2014. The plan focuses on the two comprehensive high school sites in the district along with the continuing education campus and the adult school facility. Improvement scope items were initially generated with district business, facility, and maintenance staff. The items were discussed and then presented to the respective school site administrators. After further refinement the draft plan was reviewed and modified at the open school presentation sessions. With district staff an urgency score was assigned to each item per the following key:

SCOPE ITEM URGENCY SCORE KEY

The proposed scope items are prioritized into the following levels

HP High Priority – These items are critical for the safe and proper performance of the facility.

MP Medium Priority – All of the facilities have many documented disabled access compliance deficiencies. These items address major disabled access issues at the sites.

LP Low Priority – These items are desired but are not critical for the safe and proper performance of the facility.

CODE COMPLIANCE

If the proposed scope items are required to be compliant with the California Building Code, the following designation will be shown along with the urgency score level.

CR Code Requirement – These items are required by the California Building Code for the safe and proper performance of the facility. This includes items required by the Americans with Disabilities Act which are incorporated into the California Building Code.

ENERGY CONSERVATION AND SUSTAINABILITY

If the proposed scope items add to the sustainability of the campus through the conservation of energy, the following designation will be shown along with the urgency score level.

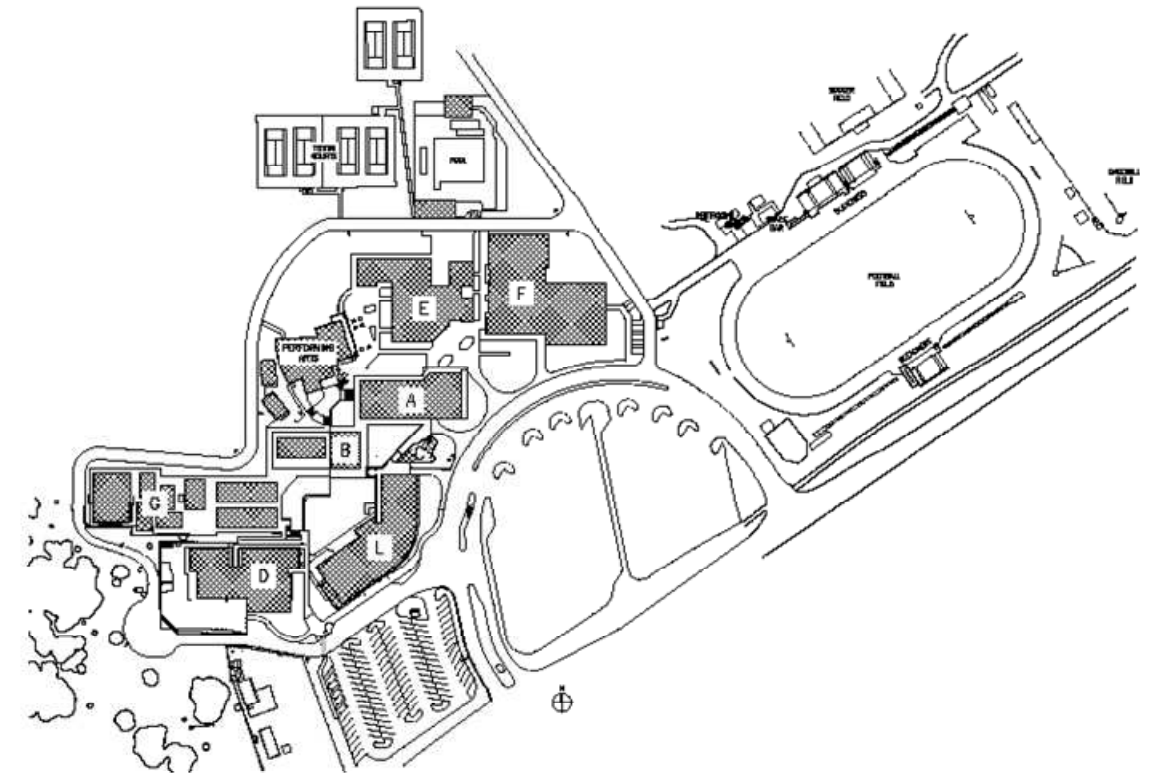
EC Energy Conservation

The plan items were then quantified and reviewed with a local construction cost estimating consultant to give each item a rough order of cost magnitude. Time cost escalation factors have been factored into these costs. To the total sum ‘soft costs’ are added to provide a total project cost. The ‘soft costs’ include the state regulatory review costs, the department of education review costs, state certified inspector costs, building code mandated construction testing & inspection, and architectural / engineering fees.



Bear River High School

Located across Magnolia Road from the Lake of the Pines community Bear River High School was initially constructed in 1983. The core A, B, and C buildings are two story structures utilizing a post frame construction method often associated with agricultural construction. Relocatable classroom wing G was gradually added between 1986 and 1992 while a gymnasium was added in 1990. A library / learning center came in 2000 and an aquatics center was added in 2004. Finally a theater was added in 2005.



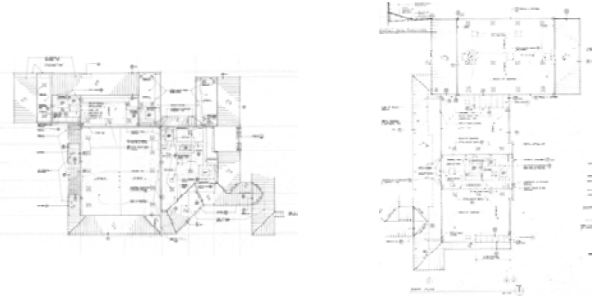

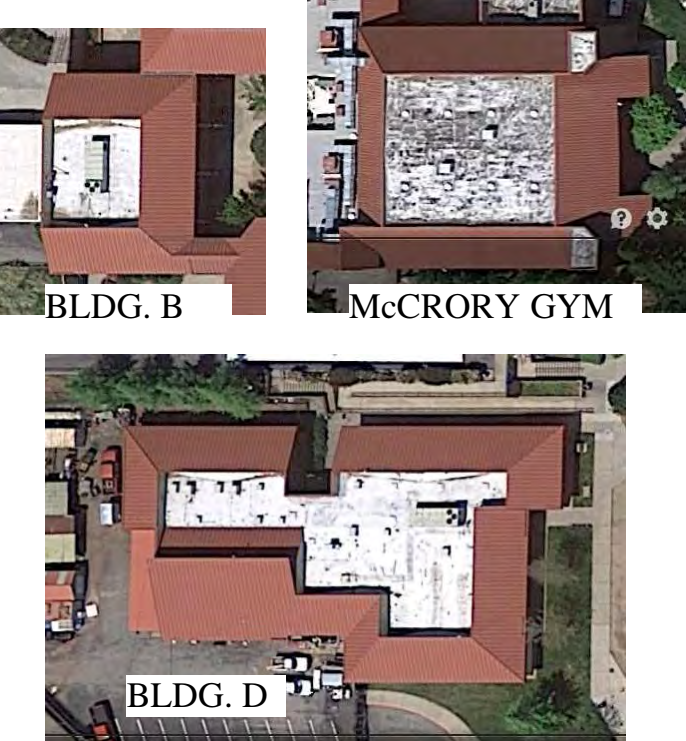
| BUILDING NAME | OCCUPANCY GROUP | TYPE OF CONST. | FIRE SPRINKLERS | BUILDING AREA | DATE(S) OF CONST. |
|-----------------------------|-----------------|----------------|-----------------|---------------|-------------------|
| BLDG. A - ADMIN/CLASSROOM | B / E | V - A | NO | 18,846 SF | 1983 |
| BLDG. B - LIBRARY/CLASSROOM | E | V - A | NO | 5,836 SF | 1983 |
| BLDG. C - RESTROOM/ELEVATOR | E | V - A | NO | 1,561 SF | 1983 |
| BLDG. D - INDUSTRIAL ARTS | E | V - B | NO | 14,552 SF | 1983 |
| BLDG. E - MULTI-PURPOSE | A3 / E | V - A / V - B | NO | 16,602 SF | 1983 |
| BLDG. F - GYMNASIUM | A3 / E | V - A | NO | 11,341 SF | 1983 / 1990 |
| BLDG. G - RELOCATABLES | E | V - A | NO | 9,600 SF | 1986 - 1992? |
| PERFORMING ARTS | A2 | II B | YES | 9,000 sf | 2005 |
| BLDG. L - LIBRARY | E | V - A | YES | 19,119 SF | 2000 |




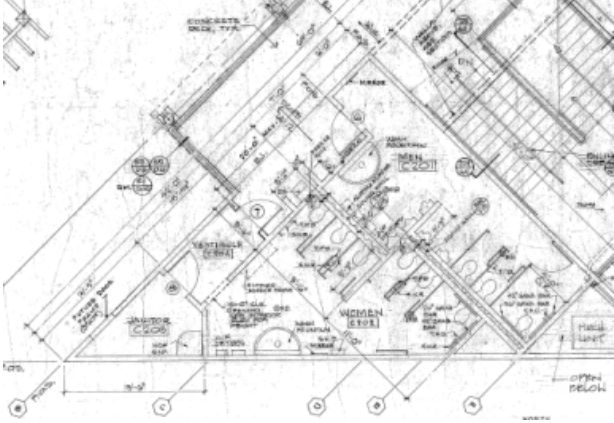
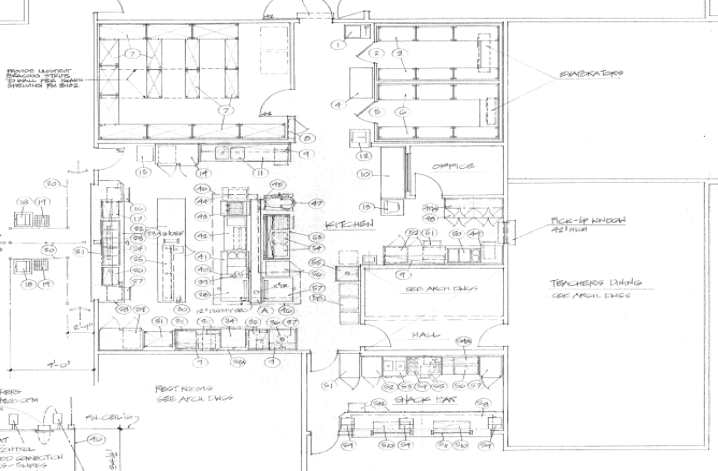
Proposed Bear River High School Improvements

| ITEM | SCOPE | Urgency Score | NARRATIVE DESCRIPTION / COMMENTS | DESCRIPTIVE SCOPE IMAGES | ROUGH ORDER OF COST MAGNITUDE |
|---------|--|---------------|---|--------------------------|-------------------------------|
| BR 1 | Replace Fully Automated Fire Alarm System | HP | Existing non-addressable Simplex System in all buildings with the possible exception of Building L (Library built in 2000 and the Performing Arts Bldg. 2005). There are moisture issues (ground faults) with the underground signal wiring between buildings - This is a common issue for most systems between buildings on this site. Consider all conductors in conduit. | | \$955,823 |
| BR 2 | Replace Public Address System – Head End | HP | Existing Dukane System needs to be replaced with Dukane Carehawk or similar system. Head end only. | | \$ 25,658 |
| BR 3 | Replace HVAC ‘Boxcar Units’ Building. A,B,& D Replace/Upgrade Ventilation System in Shop Room, Art Room, Clay Room & Dark Room – Building D | HP | Main air handles at roof – DX cooling. Building D will ‘stand alone’ and shall be served by the liquid propane tank in the adjacent yard. Existing Delta energy management system is ‘backnet’ and can handle new units via data connections. Remove and replace in like kind existing AC units; four (4) 25 ton units, one (1) 50 ton unit. Furnished with adapter curb, air economizer, fault detection diagnostics, VFD drives on supply and return fans, filter bank, building pressure controls, fully integrated controls to EMS system for optimization and new Title 24 requirements for VAV systems. Four (4) indoor air-handlers with hot water heating coils: Capacity range: 1100 cfm, 1650 cfm, 1060 cfm, & 2800 cfm all rated at 1.25" TSP. Remove and install new of like kind reconnecting ductwork, power, controls, and piping. All four (4) air-handlers have associated in-line exhaust fans of same capacity. Remove and replace in like kind. Reconnect power, controls and ductwork. | | \$ 1,203,332 |

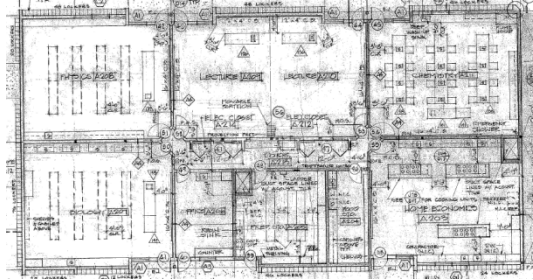





| ITEM | SCOPE | Urgency Score | NARRATIVE DESCRIPTION / COMMENTS | DESCRIPTIVE SCOPE IMAGES | ROUGH ORDER OF COST MAGNITUDE |
|---------|--|---------------|---|---|-------------------------------|
| BR 4 | Replace HVAC Rooftop Units - Building E & Building F | HP | Remove and replace in like kind existing AC unit (cooling only with HW reheat coils downstream): one (1) 3 ton unit, one (1) 4 ton unit, two (2) 7.5 ton units, one (1) 10 ton unit. Units over 4 ton furnished with adapter curb, air economizer, fault detection diagnostics, and new Honeywell TB7600 or equal occupancy controlled smart thermostat. Units 4 ton and less furnished with adapter curb, new controls and outside air hood. |  | \$ 242,916 |
| BR 5 | Building G Relocatable Improvements | HP | <ol style="list-style-type: none"> 1. Replace HVAC Wall Mounted Heat Pump Units. 2. Remove and replace damaged exterior siding 3. Interior Modernization. <p>Allow: Replacement of (5) Heat Pumps Replacement of +/-1200 s.f. of siding</p> |  <p style="text-align: right;">Building G Portables</p> | \$ 362,069 |
| BR 6 | New Roofing - Units B, D & McCrory Gymnasium | HP | Existing built-up system at flat roof mechanical wells need replacing - Study alternatives. District has used single - ply overlay on several replacements over the past 10 years. |  <p style="display: flex; justify-content: space-around;"> BLDG. B McCRORY GYM </p> <p style="text-align: center;">BLDG. D</p> | \$ 678,431 |






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|---------|--|---------------|---|---|-------------------------------|
| BR 7 | Replacement of underground HVAC Hydronic Piping | HP | Liquefied gas fired central boilers provide heat to campus. Boilers are new (Bryant boilers are LPG and should last 30 years) and will not need replacing. Pumps will need to be replaced. Concept will be to go overhead in attic and plenum spaces. |  | \$ 1,000,199 |
| BR 8 | Renovation Of All Restrooms. Make ADA Accessible | HP CR | Performing Arts building and Aquatic Center are the exceptions here. Gut and replace all fixtures and finishes |  | \$ 947,938 |
| BR 9 | Renovation of Building E Kitchen Facility | HP | Shall include replacement of walk-in freezer and refrigerator. This will be a complete gutting and renovation of this food service facility |  | \$ 1,254,414 |


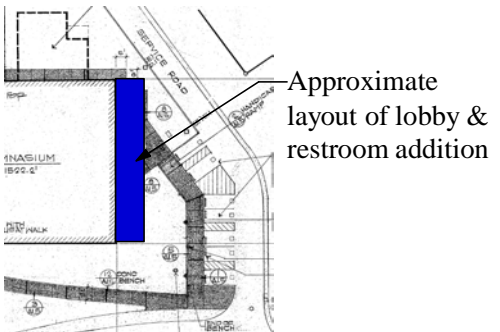



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|--------------|---|---------------|---|---|-------------------------------|
| BR 10 | Renovation of Building A Science and Biology Classrooms | MP | Gut existing casework and fixtures replace. Galvanized waste lines shall be replaced with acid resistant piping. |  | \$ 2,195,224 |
| BR 11 | New All Weather Track | LP | District had preliminary design and cost estimate done by Arch Pac Landscape Architects in 2012. Current track is not accurate for metric distance races. Revise the track to the correct metric dimension to be able to hold track and field events. 7 lanes minimum. |  | \$758,000.00 |
| BR 12 | Retrofit All Interior lighting to L.E.D. | LP EC | Remove all interior light fixtures and replace with light emitting diode type fixtures. Benefits of these types of fixtures include energy efficiency, long live, and durability. Unlike fluorescent lamps they are also free of toxic chemicals and they are recyclable. |  | \$607,005 |
| BR 13 | Solar Panel System at Aquatic Center. | LP | District had preliminary discussions with a designer a few years ago. Pool was built approx 2007. The pool heater, as with most all of the campus is powered with liquefied propane. Solar panels would augment this heat source. At grade secure solar array on adjacent south facing slope is probable location The Bear River High School Pool is 25 yards by 25 meters, which is 6,150 square feet. The solar panels need to be at least 80% of the pool's surface area, which would be 5,000 square feet of solar collector. Using 48-square-foot panels, this is 105 panels. | Approximate Solar Panel Array Locations  | \$ 644,027 |

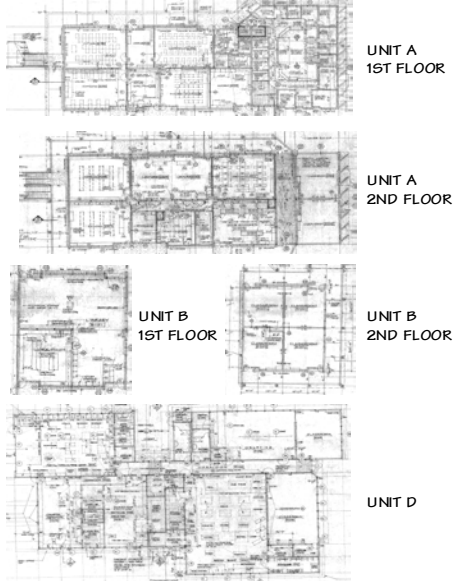





| ITEM | SCOPE | Urgency Score | NARRATIVE DESCRIPTION / COMMENTS | DESCRIPTIVE SCOPE IMAGES | ROUGH ORDER OF COST MAGNITUDE |
|--------------|--|---------------|---|---|-------------------------------|
| BR 14 | Main Parking Lot Improvements | MP CR | Grind and provide new asphaltic concrete overlay at stadium parking area +/- 7,000sf. Hardscape Path of Travel to street frontage. – 8,000 sf of conc. flatwork – 80 lf of conc. ramp Slurry Seal Service Drive Area – 36,000sf |  | \$ 377,179 |
| BR 15 | Main Parking Lot Photovoltaic Shade Structures | MP EC | Provide solar photovoltaic power generating system in this lot. These ground mounted panels will also provide shade for users and shelter vehicles. Allow approximately 42,000 s.f. of panels |  | \$ 5,409,830 |
| BR 16 | Water Seal Exterior Tile at Buildings A-E | MP | \$400,000.00 in repair done in 2004 has stabilized this issue. Product: Professional Water Coating. Include value for re-application of the water sealing product. |  | \$ 280,691 |


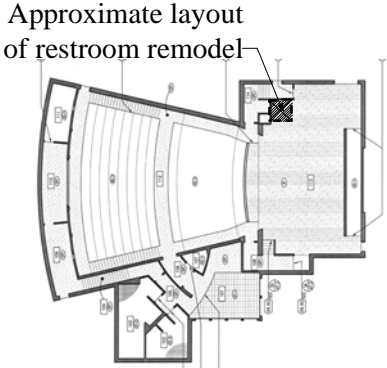



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| BR 17 | Refinish McCrory Gymnasium Hardwood Floor | MP | Sand, paint and refinish existing hardwood flooring. |  | \$ 108,407 |
| BR 18 | Add Restrooms at East end of McCrory Gymnasium | MP | Add Lobby and Restrooms. The Lobby will help alleviate foot traffic at the entry doors to the gymnasium. Water and sewer stubs placed at football field for this purpose in 2006. |  Approximate layout of lobby & restroom addition | \$574,179 |
| BR 19 | Provide Cooling of Building E Cafeteria | MP | Remove existing 9000 cfm outdoor air-handler with hot heating water only. Install new 9000 cfm outdoor air-handler with hot water coils and integral DX cooling. Install new controls for heat and cooling along with new motorized dampers for air economizer cycle. Add new duct smoke detector, carbon dioxide controls, and new temperature controls for heating, cooling, air economizer cycle and fault detection diagnostics. Install new condensate drains. New power to unit for increased power requirements. New rooftop unit to be furnished with power exhaust. |  | \$ 236,447 |

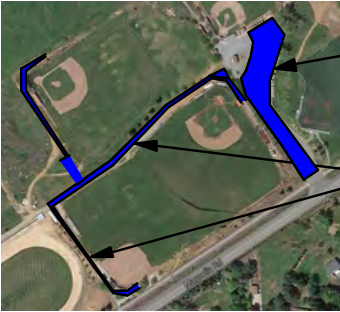

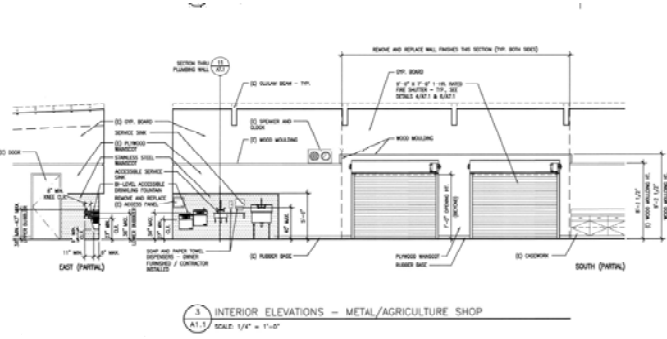


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|--------------|--|---------------|--|---|-------------------------------|
| BR 20 | Interior Classroom Modernization – Building A, Building B & Building D | HP | Interior Modernization for all Classrooms: Primarily finish materials: Painting, Flooring, Casework upgrades. |  | \$ 1,607,930 |
| BR 21 | Technology Improvements | HP | <ol style="list-style-type: none"> 1. Upgrade Fiber to all IDF's – Replace switches 2. CAT 6a to Wireless Access Points in all classrooms. CAT 6 cable elsewhere. 3. Digital projectors and screens to all classrooms. Budget for (44) locations total 4. New telephone system |    | \$ 902,180 |



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|--------------|--|---------------|--|---|-------------------------------|
| BR 22 | Add Exterior Digital Marquee | MP | Add exterior Digital Marquee at entry of Campus. |  | \$ 35,637 |
| BR 23 | Add Restrooms at Backstage Area – Performing Arts Bldg. | MP | Add restrooms at the backstage area for the performers/personnel. The only restrooms are located in the Lobby. One single occupant uni-sex restroom |  <p>Approximate layout of restroom remodel</p> | \$ 79,292 |
| BR 24 | Hardscape Path of Travel from Football Field to the Softball Field | MP | Add Hardscape Path of Travel from the Football Field to the Softball Field. There is an existing Path of Travel from the disabled accessible parking stalls to the Football Field. |  <p>Approximate Hardscape Path of Travel to Softball Field</p> | \$85,528 |

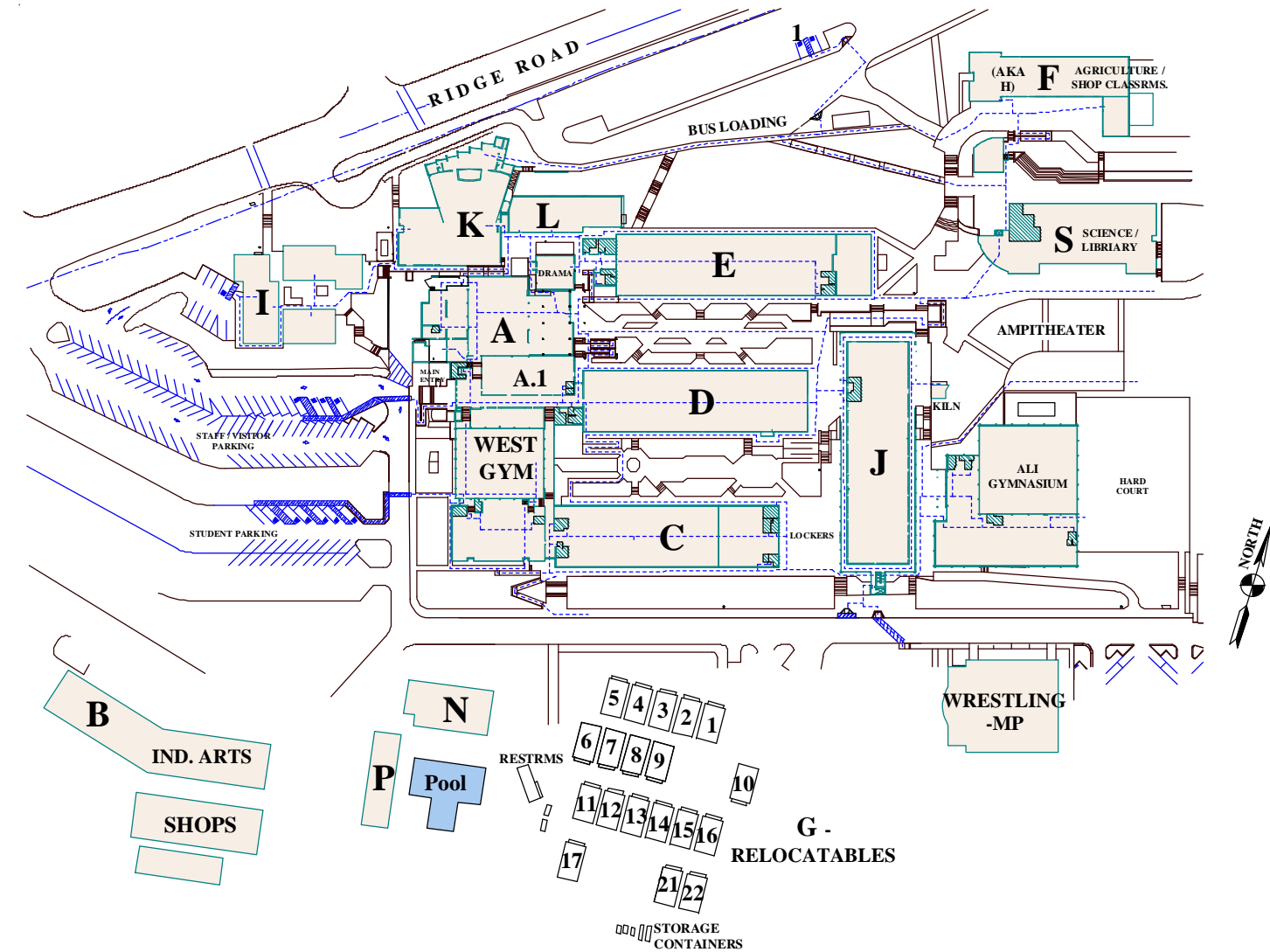


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| BR 25 | AC Paving/ Upgrade Existing Joint-Use Parking and Add Hardscape Path of Travel to Baseball Field | MP CR | At the existing Joint-Use Parking Lot East of the Baseball Fields, replace the gravel surface with AC Paving. Stripe the Parking Lot to include disabled accessible parking. Add hardscape Path of Travel from the Parking Lot to the Baseball Fields. |  <p>AC Paving at (E) Parking Lot</p> <p>Approximate Hardscape Path of Travel to Baseball Field</p> | \$ 1,686,331 |
| BR 26 | Security Cameras | MP | Add exterior Security Cameras for the entire campus. Only a portion of the Campus has Security Cameras. Possible Upgrade /Replacement of the (E) Security Cameras. Allow (12) locations |  | \$ 85,528 |
| BR 27 | Add Openings to Metal Shop – Building | MP | In Building D provide openings to link metal shop classroom with adjacent engineering classroom. Remodel metal shop plumbing wall in the process to meet current ADA code. Create two nine foot wide openings which will need to be protected with fire-rated coiling doors. The existing wash sink and drinking fountain in the metal shop are not disabled accessible and would be removed and replaced as part of this scope. |  <p>INTERIOR ELEVATIONS – METAL/AGRICULTURE SHOP SCALE: 1/4" = 1'-0"</p> | \$106,910 |

Nevada Union High School




Located between Grass Valley and Nevada City Nevada Union High school is a comprehensive high school serving these two incorporated cities and also the large surrounding rural area. Students are bused in from as far as 50 miles from the campus. The campus is situated on a hill side on ridge road with vertical elevation changes served by over fifty sets of site stairways and over 1000 linear feet of ramp way. As indicated in the table below the main campus buildings were constructed in 1960 with major additions occurring in 1966, 1976, and 1998. Modernization work occurred in various phases throughout the campus beginning in 2002 and ending in 2008.





| | | | | | |
|-----------------------------|------|-------|-----|-----------|-------------|
| BLDG. A -CAFETERIA | A2 / | V - B | YES | 17,156 SF | 1960 / 2009 |
| BLDG. A.1 - ADMINISTRATION | B | V - B | NO | 15,033 SF | 1960 / 2010 |
| BLDG. B - INDUSTRIAL ARTS | E | V - B | NO | 15,837 SF | 1966 |
| BLDG. WEST GYM | A3 | V - A | NO | 8,096 SF | 1960 / 2008 |
| BLDG. WEST GYM - LOCKER RM. | E | V - B | NO | 7,105 SF | 1960 / 2008 |
| BLDG. C | E | V - B | NO | 11,900 SF | 1960 |
| BLDG. C.1 | E | V - B | NO | 4,726 SF | 1976 |
| BLDG. D | E | V - B | NO | 17,624 SF | 1960 |
| BLDG. E | E | V - B | NO | 17,500 SF | 1966 |
| BLDG. E.1 | E | V - B | NO | 2,906 SF | 1966 |
| BLDG. E.2 - RESTROOM ADD | E | V - B | NO | 1,145 SF | 1966 |
| BLDG. F - INDUSTRIAL ARTS | E | V - B | NO | 15,837 SF | 1966 |
| BLDG. G - BOY'S GYM / | A3 | V - A | NO | 12,100 SF | 1966 |
| BLDG. G.1 - BOY'S LOCKER | E | V - B | NO | 11,690 SF | 1966 |
| BLDG. H - AG | E | V - B | NO | 10,500 SF | 1966 |
| BLDG. I - LANGUAGE MODULARS | E | V - B | NO | 10,500 SF | 1984 |
| BLDG. J | E | V - A | NO | 23,100 SF | 1976 |
| BLDG. K - THEATER | A2 | V - A | NO | 14,050 SF | 1976 |
| BLDG. L | E | V - B | NO | 7,079 SF | 1976 |
| BLDG. N - DANCE STUDIO | E | V - B | NO | 4,610 SF | 1976 |
| BLDG. P – POOL HOUSE | E | V - B | NO | 7,079 SF | 1976 |
| BLDG. S – SCIENCE / LIBRARY | E | II-A | NO | 25,946 SF | 1996 |



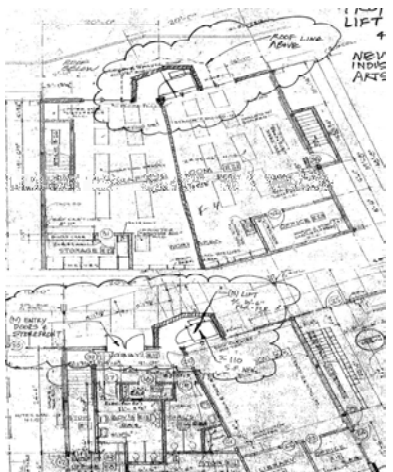



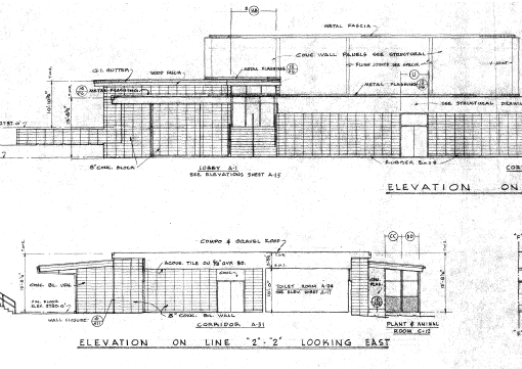
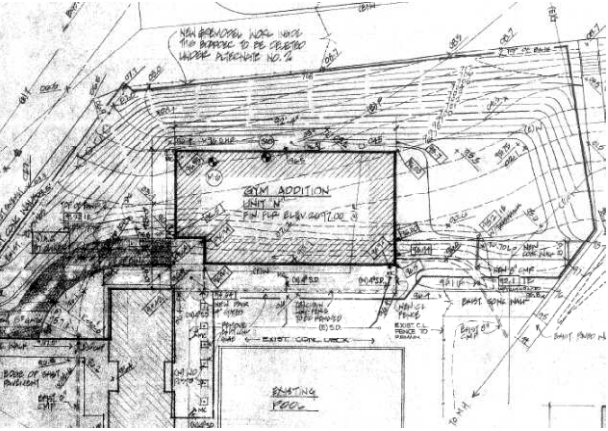
Proposed Nevada Union High School Improvements

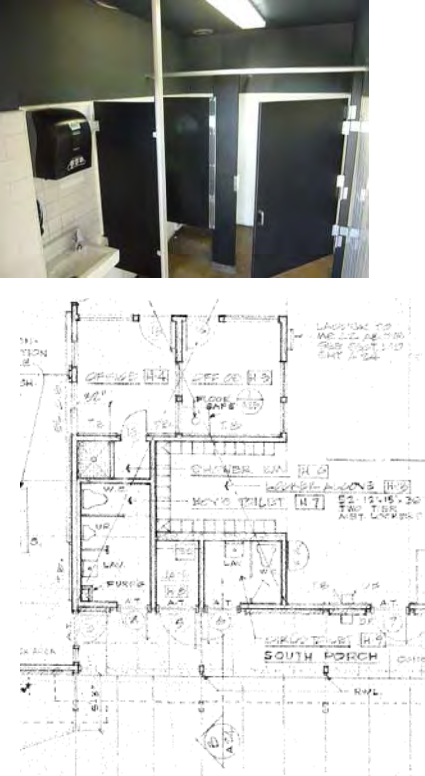

| ITEM | SCOPE | Urgency Score | NARRATIVE DESCRIPTION / COMMENTS | DESCRIPTIVE SCOPE IMAGES | ROUGH ORDER OF COST MAGNITUDE |
|---------|--|---------------|--|---|-------------------------------|
| NU 1 | Replacement of all Underground Gas Lines | HP | Abandon existing lines in place. Change over coordination will be an issue needing coordination. Abandon in place and replace +/- 2,000lf of 1 ½” gas line and associated valves. |  | \$ 188,782 |
| NU 2 | Replacement of All Underground Transite Utility Lines. | HP | <p>This will include domestic water and sanitary sewer lines. Some storm lines may be transite as well.</p> <ol style="list-style-type: none"> 1. Remove and replace +/- 700lf (e) 8” sanitary sewer line. (e) manholes are OK. 2. Remove and replace +/- 720lf (e) 6” sanitary sewer line. 3. Remove and replace +/- 1600lf (e) 6” PVC C900 domestic water line. 4. Add +/- 1600lf 8” PVC C900 fire line 5. Remove and replace +/- 1600lf of 8” storm sewer line |  | \$ 1,338,929 |
| NU 3 | New Public Address System – Head End | HP | Existing Dukane System needs to be replaced with Dukane Carehawk or similar system. Head end only. |  | \$ 25,658 |



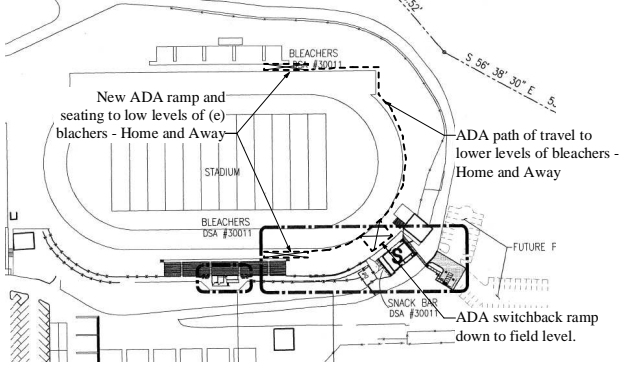
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|---------|--|---------------|---|---|-------------------------------|
| NU 4 | New Parking Lot Asphalt Overlays | HP | Main parking lot, student lot, lot adjacent industrial arts building, lot adjacent aquatic center. Lots will need to be evaluated on a case by case basis. Portions of the ac paving will need to be ground out. Some areas will need new aggregate base. |  | \$ 712,735 |
| NU 6 | Replace all Existing Site Lighting. | LP | Replace all exterior site luminaries and poles with LED fixtures. (20) Existing site luminaries to be replaced. Allow for adding (8) new site luminaries where lighting is currently inadequate. |  | \$ 288,658 |
| NU 7 | Replacement of Roofing at Bldgs. C, E, J, K, L | HP | Remove existing built-up roofing. Replace with single-ply roofing – Sarnafil. |  | \$ 2,099,119 |

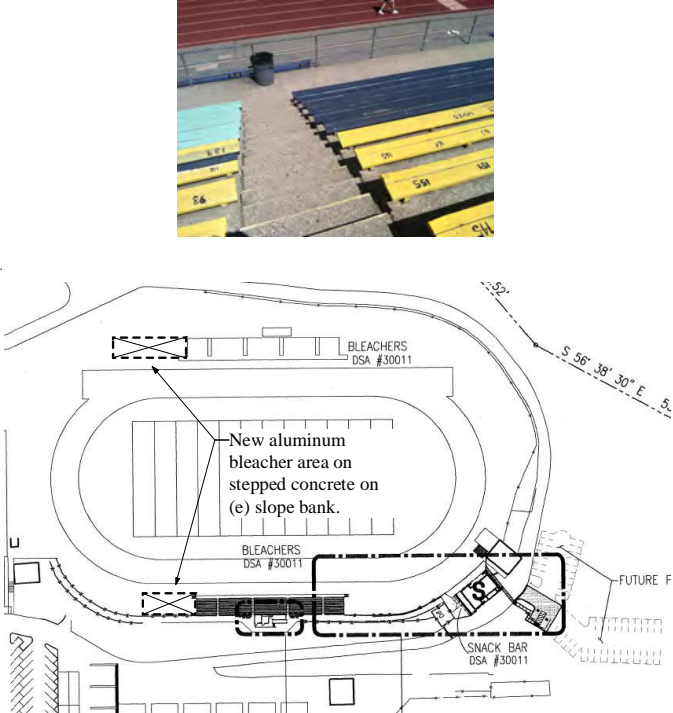
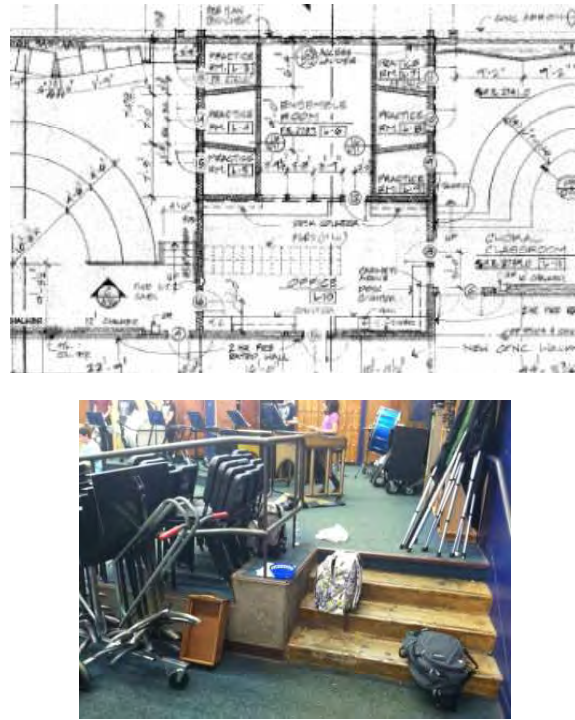
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| NU 8 | Correct Waterproofing Issue at Elevator - Bldg. J. | HP | Water leak at second floor cannot be found – Elevator consultant to be involved - Siskiyou Elevator |  | \$ 256,585 |
| NU 9 | New Main Boiler at Swimming Pool Building P | HP | Remove existing Laars AF-2730 boiler and associated piping and flue. Install (2) new swimming pool condensing boilers (89% AFUE), Lochinvar Copper-Fin2 pool heater Model CPN1262.Requires secondary pump and all new piping. Extensive rework of existing layout and possible floor modifications. Alternatively install (1) new swimming pool boiler (89% AFUE), Lochinvar Copper-Fin2 Model CPN2072 with associated new pump. Install new flue(s) and reconnect gas piping and swimming pool |   | . \$ 384,642 |
| NU 10 | Interior Renovations at Pool Shower Building P | HP CR | Pool-house was built in 1974. Gut and re-model men’s and women’s shower, restroom, and locker areas. Also the check room / office area. Provide ADA accessibility in re-design of areas |  <p>Gut and re-model pool shower, locker, and office area.</p> | \$ 1,217,351 |

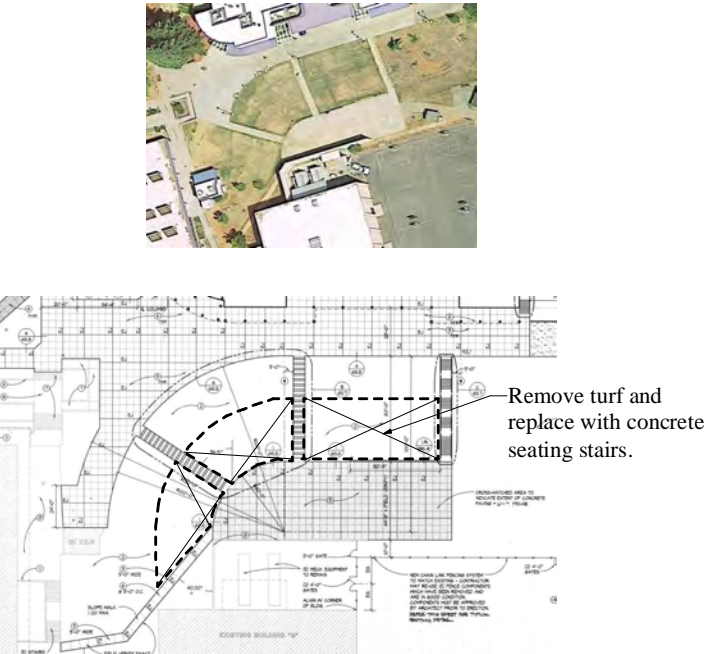

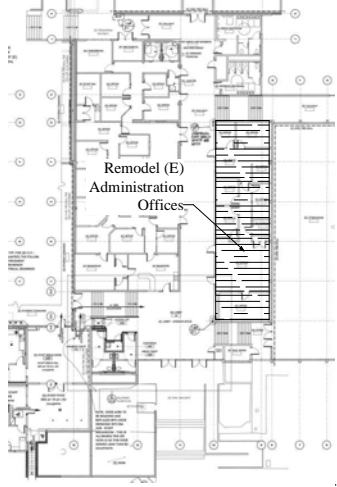
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| <p>NU 11</p> | <p>Replacement of All-Weather Synthetic Turf Field</p> | <p>LP</p> | <p>Surface replacement – Originally installed in 2006. Re-inspect turf material for possible cancer issues.</p> |  | <p>\$ 784,008</p> |
| <p>NU 13</p> | <p>Replacement of Stadium Scoreboard</p> | <p>LP</p> | <p>May be done by local boosters – Digital messaging.</p> |  | <p>\$ 99,783</p> |
| <p>NU 14</p> | <p>Provide Wheelchair Accessibility to Second Floor of Industrial Arts - Bldg. B</p> | <p>HP CR</p> | <p>The two second floor classrooms in this building are served only by stairways. This would provide a new exterior shaft for a wheelchair lift. DLM Studied this issue in 2012.</p> |  | <p>\$ 235,203</p> |



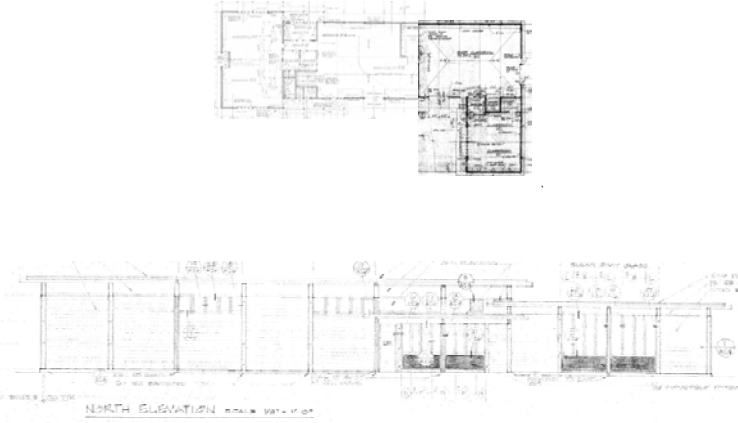
| ITEM | SCOPE | Urgency Score | NARRATIVE DESCRIPTION / COMMENTS | DESCRIPTIVE SCOPE IMAGES | ROUGH ORDER OF COST MAGNITUDE |
|------------------|--|------------------|--|---|-------------------------------|
| <p>NU 16</p> | <p>Theater Bldg. K – Disabled Accessibility Improvements</p> | <p>MP CR</p> | <p>1. Parking lot stalls and path of travel 2. Lobby restrooms 3. Elevator and Stair from lobby to lower seating level.</p> |  <p>Approximate layout of hall connection to elevator and stair to lower seating level</p> | <p>\$ 915,152</p> |
| <p>NU 17</p> | <p>Exterior Painting – Entire Campus</p> | <p>LP</p> | <p>Re-paint all exiting exterior painted surfaces.</p> |  | <p>\$ 1,217,531</p> |
| <p>NU 18</p> | <p>Dance Studio Bldg. N - Drainage Problem at Toe of Slope at North Wall</p> | <p>HP</p> | <p>Runoff at toe of slope has created moisture problem at base of wall at this dance studio building. Provide storm drainage system.</p> |  | <p>\$ 21,842</p> |

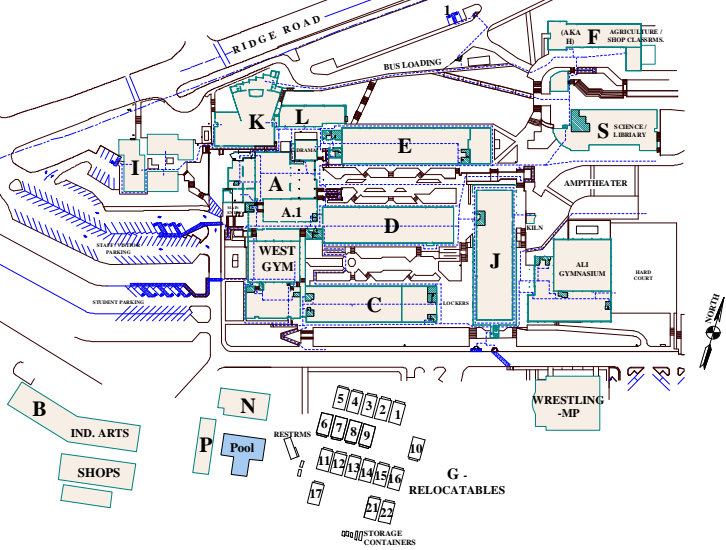


| ITEM | SCOPE | Urgency Score | NARRATIVE DESCRIPTION / COMMENTS | DESCRIPTIVE SCOPE IMAGES | ROUGH ORDER OF COST MAGNITUDE |
|------------------|--|------------------|--|---|-------------------------------|
| <p>NU 19</p> | <p>Bldg. F – Agriculture / Shop Classroom Bldg. – Disabled Accessible Restroom Upgrade</p> | <p>HP CR</p> | <p>1968 restrooms are small and tight. Gut and remodel to allow for current ADA upgrades.</p> |  | <p>\$ 110,845</p> |
| <p>NU 20</p> | <p>Bldg. F – Agriculture / Shop Classroom Bldg. – General Modernization</p> | <p>HP</p> | <ol style="list-style-type: none"> 1. Replace in like kind (4) four indoor furnaces: Reznor Model 165 or equal, reconnect gas piping, flues and ductwork. Replace in like kind (2) two indoor furnaces: Carrier 58DLA90-20 or equal, reconnect gas piping and install new flue, reconnect ductwork. Remove and replace existing rooftop gas/elect unit 5 ton with new; reconnect power, controls, gas and ductwork. Furnish unit with adapter curb, air economizer, fault detection diagnostics, and new Honeywell TB7600 or equal occupancy controlled smart thermostat. 2. Add / modernize power for shop classrooms. 3. Replace Casework / Improve finishes 4. Technology Improvements per Item NU 29 below |  | <p>\$ 486,442</p> |


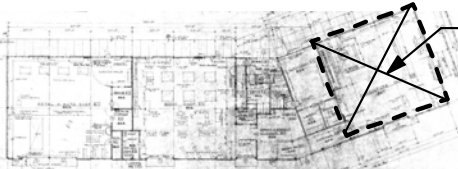
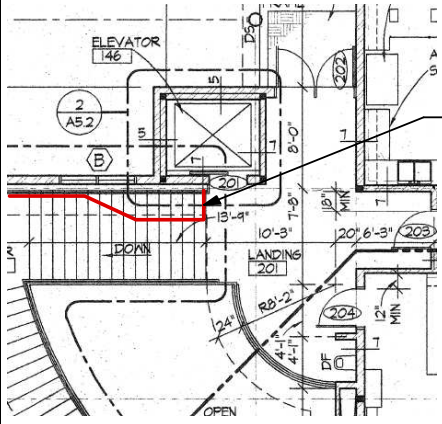
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|------------------|---|------------------|---|---|-------------------------------|
| <p>NU 21</p> | <p>Site Stairs and Ramps / Correct ADA Issues</p> | <p>HP CR</p> | <ol style="list-style-type: none"> 1. Correct selected stair path of travel issues. There are 56 sets of site stairs of varying length. Total length of site stairs is approximately 546'. Allow 2. Correct selected ramp path of travel issues. There are +/- 1075 lineal feet of ramp in the main campus area. Allow for correcting (modify / replace hand rails, add / replace wheel rail/curb) 600 lf. of ramp. 3. Correct metal nosing problems at stairs where nosings are loose. Allow for (12) sets of stairs to repair 4. .Completely remove and replace main entry stairs at Bldg. A. This is +/- 800 sf of flatwork with (2) sets of stairs. |   | <p>\$ 922,564</p> |
| <p>NU 22</p> | <p>Football Stadium – Disabled Accessibility</p> | <p>MP CR</p> | <ol style="list-style-type: none"> 1. Lower levels of (e) bleachers have no disabled accessibility. Provide switchback ramp down to field level at SE corner of stadium. 2. Provide path of travel (conc. walk) to existing bleachers both home and away sides 3. Provide ramp up to lower levels of (e) bleachers and ADA seating as required. |  | <p>\$ 178,006</p> |

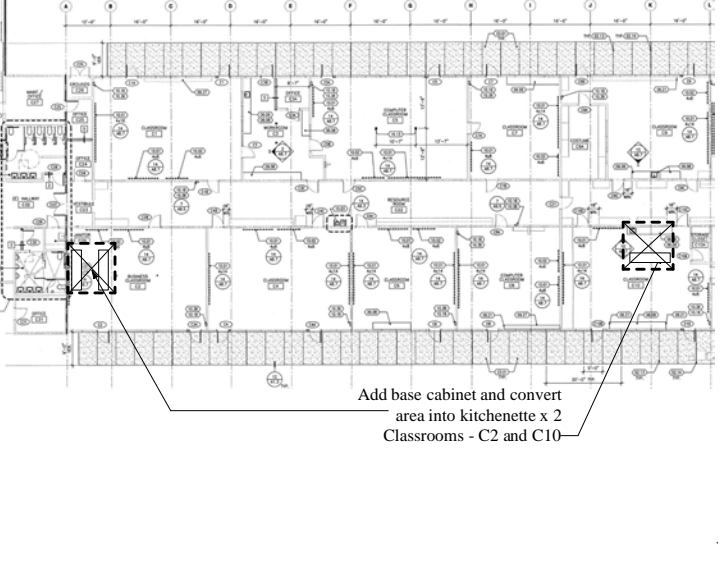

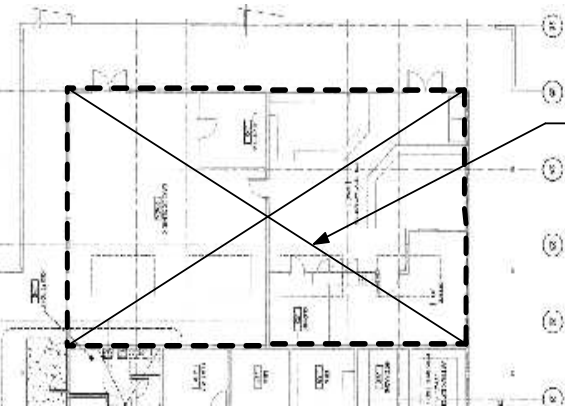
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|------------------|---|------------------|--|---|-------------------------------|
| <p>NU 23</p> | <p>Football Stadium – Bleachers</p> | <p>LP</p> | <ol style="list-style-type: none"> Existing wood bleachers on steel brackets are deteriorating. Replace with aluminum.. Existing brackets are in decent condition; Possibly reuse to support new aluminum bleachers. Add Bleachers at the South End of the Football Field.. Area of new bleachers is +/- 5,000sf |  | <p>\$962,192</p> |
| <p>NU 24</p> | <p>Bldg. L Band and Choral Room Modernization</p> | <p>MP CR</p> | <ol style="list-style-type: none"> Provide wheelchair lift to access uppermost riser level in each classroom. Heavily Used Classrooms -. Interior Modernization for the entire building: lighting, carpet/flooring, casework. Practice Rooms are not used because they are used as instrument storage. Replace existing instrument storage cabinets with more efficient system (Wenger or equal) to free up some or all of practice rooms. .Convert ‘Ensemble Room’ to Music Lab. This would include keyboards and music technology equipment. |  | <p>\$ 1,612,171</p> |

| ITEM | SCOPE | Urgency Score | NARRATIVE DESCRIPTION / COMMENTS | DESCRIPTIVE SCOPE IMAGES | ROUGH ORDER OF COST MAGNITUDE |
|------------------|--|---------------|--|---|-------------------------------|
| <p>NU 25</p> | <p>Add stepped concrete seating to existing grass amphitheater</p> | <p>LP</p> | <p>This will increase usage on days when grass is too damp for sitting. Also through more efficient use of space it will allow for a larger seating capacity. At the top half of the hill, allow a turf area. With the addition of the concrete seating, the grass area can have a gentle slope for seating. Consider maintaining and incorporating the existing concrete stair into the design. Water tends to flow to the bottom of the hill and saturate. Allow for a sub-drain at the new base of turf to concrete area to prevent area from saturating.</p> |  | <p>\$ 570,188</p> |
| <p>NU 26</p> | <p>Add Exterior Security Cameras</p> | <p>HP</p> | <p>Add exterior Security Cameras for the entire campus. Allow (30) locations.</p> |  | <p>\$ 213,820</p> |
| <p>NU 27</p> | <p>Interior Modernization – Building A.1 Administration</p> | <p>MP</p> | <p>Interior Modernization for the Administration. Primarily finish materials: Painting, Flooring, Casework upgrades. Add Data and Power. This area is a 2,000s.f. portion of Bldg. A.</p> |  | <p>\$ 527,424</p> |

| ITEM | SCOPE | Urgency Score | NARRATIVE DESCRIPTION / COMMENTS | DESCRIPTIVE SCOPE IMAGES | ROUGH ORDER OF COST MAGNITUDE |
|----------|---|---------------|---|---|-------------------------------|
| NU 28 | Upgrade Exterior Door Thresholds | MP CR | <p>Several exterior door thresholds do not meet the CBC (1" tall threshold maximum). Remove and replace existing exterior concrete landing to meet CBC.</p> <p>Allow (12) doors.</p> |  | \$ 34,211 |
| NU 29 | Technology Improvements at every Classroom and Conference Room | MP | <ol style="list-style-type: none"> 1. Digital projectors and screens at all classrooms. Budget for (80) locations total 2. Upgrade Fiber to all IDF's 3. CAT 6a to Wireless Access Points in all classrooms. |  | \$ 1,180,289 |
| NU 30 | Exterior Window Replacement – Agriculture / Shop Classroom Building F | HP | <p>Replace all exterior windows except the south side. The south side windows have already been replaced. Replace these fixed steel sash with fixed aluminum</p> <ol style="list-style-type: none"> 1. (20) 2' x 2'-6" 2. (8) 2' x 4'8" 3. (16) 2' x 6'-8" |  | \$ 69,092 |

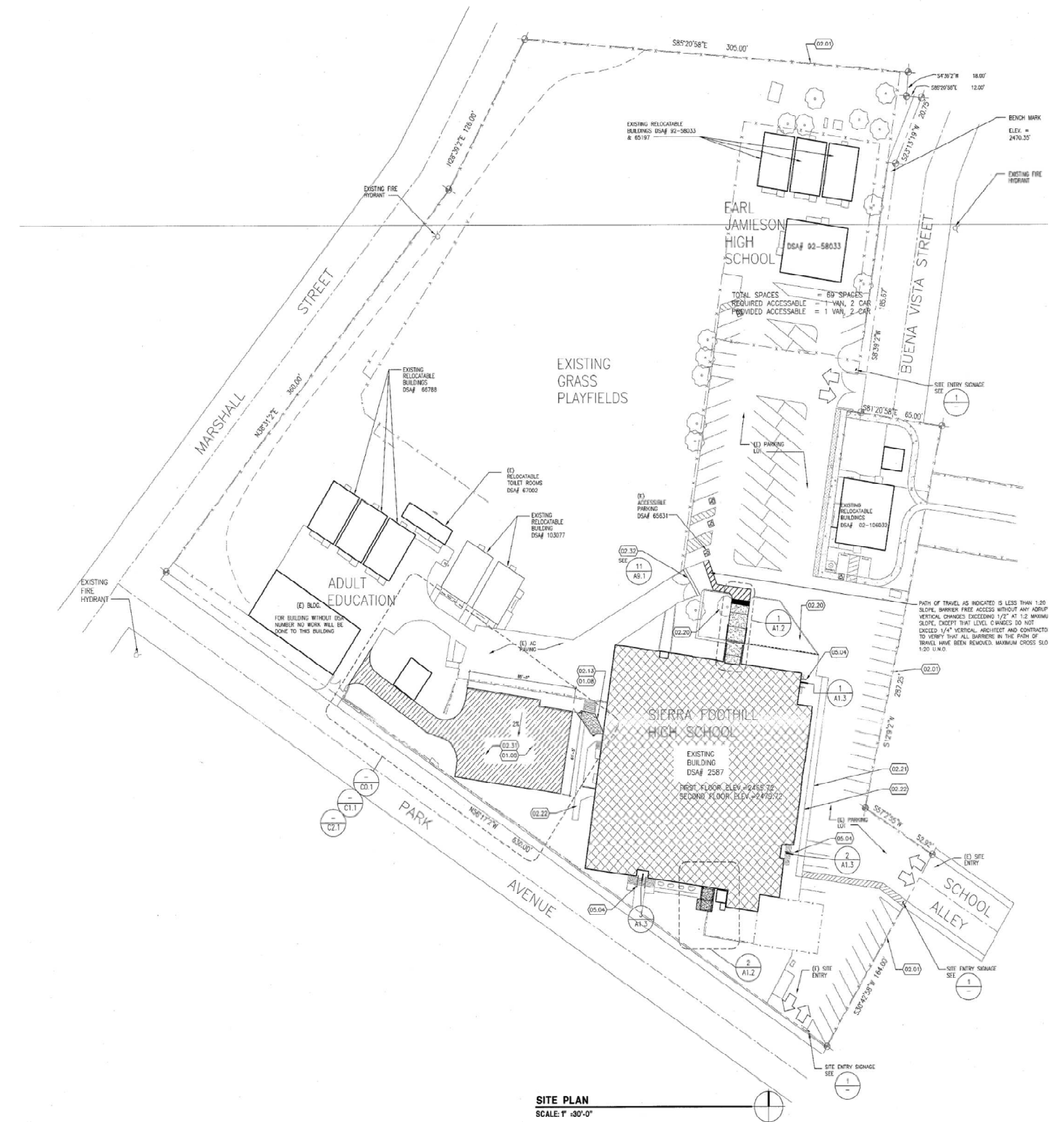
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|------------------|---|------------------|--|---|-------------------------------|
| <p>NU 31</p> | <p>Exterior Path of Travel Improvements - Entire Campus</p> | <p>HP CR</p> | <p>Portions of the hardscape Path of Travel throughout the campus do not meet the disabled accessibility section of the CA Building Code.</p> <p>Allow removal, replacement, and re-grade of 20,000 sf of concrete walkway.</p> |  | <p>\$ 384,877</p> |
| <p>NU 32</p> | <p>Carpet Replacement</p> | <p>MP</p> | <p>Carpet in various rooms need to be replaced:</p> <p>Allow 20,000sf</p> |  | <p>\$ 211,682</p> |
| <p>NU 33</p> | <p>Retrofit All Interior lighting to L.E.D.</p> | <p>LP EC</p> | <p>Remove all interior light fixtures and replace with light emitting diode type fixtures. Benefits of these types of fixtures include energy efficiency, long live, and durability. Unlike fluorescent lamps they are also free of toxic chemicals and they are recyclable.</p> |  | <p>\$ 1,391,464</p> |

| ITEM | SCOPE | Urgency Score | NARRATIVE DESCRIPTION / COMMENTS | DESCRIPTIVE SCOPE IMAGES | ROUGH ORDER OF COST MAGNITUDE |
|--------------|--|---------------|---|---|-------------------------------|
| NU 34 | Add Covered Structure at Bus Stop | MP | Provide a bus stop shelter at the bottom of the stairs near Building C. |  <p>Approximate location of Bus Stop Shade Shelter</p> | \$ 41,499 |
| NU 35 | Add Surface Finish to (E) Concrete in Textbook Room – Building F | MP | Building F Textbook Room – Remove existing carpet and add surface finish to the existing concrete. |  <p>Remove Carpet & Re-Finish (E) Conc. Surface</p> | \$ 51,862 |
| NU 36 | Add Guardrail between Elevator and Stairs – Building S Library 2 nd Floor | HP | On the 2 nd Floor, the elevator opening is adjacent the top of the stairway. This is a safety issue. Add guardrail to create a barrier between the elevator opening and the top landing of the stairway. |  <p>Design new guardrail for safety at elevator opening.</p> | \$9,622 |

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| <p>NU 37</p> | <p>Add Kitchenettes – Building C Special Education</p> | <p>MP</p> | <p>In special education classrooms C2 and C10 provide new kitchenettes.</p> |  <p>Add base cabinet and convert area into kitchenette x 2 Classrooms - C2 and C10</p> | <p>\$ 99,783</p> |
| <p>NU 38</p> | <p>Add Exterior Lunch Shade Structure</p> | <p>MP</p> | <p>Add exterior shade structure East of Building E. This area will be used for outside seating during lunch.</p> <p>Allow for a +/- 1,200 sf metal DSA pre-checked shade structure. ICON Shelter Systems or equal.</p> |  <p>Approximate location of Lunch Shade Shelter</p> | <p>\$ 171,056</p> |
| <p>NU 39</p> | <p>Relocate Student Store & Café Area to Building J</p> | <p>MP</p> | <p>At the North End of Building J, gut and completely remodel existing Student Activity area. All existing walls are non-bearing. Functions to include student store and student lounge area.</p> |  <p>Gut and remodel area into new Student Store</p> | <p>\$ 602,261</p> |

| ITEM | SCOPE | Urgency Score | NARRATIVE DESCRIPTION / COMMENTS | DESCRIPTIVE SCOPE IMAGES | ROUGH ORDER OF COST MAGNITUDE |
|---------------------|--|---------------|--|--------------------------|-------------------------------|
| <p>NU 40</p> | <p>Expand and Modernize Culinary Classroom – Bldg. C – Room C -11. Also Provide Minor restroom remodel to special education C-12 restroom.</p> | <p>MP</p> | <p>1. Culinary Class is the most popular elective class at this school. Gut and re-model both the classroom area and the support work room. Replace electric ranges with gas. Upgrades include stoves, sinks and walk-in freezers.</p> <p>2. Gut and re-model (e) special ed. restrooms. Correct door swing issue. Bring into current ADA compliance</p> | | <p>\$ 684,226</p> |
| <p>NU 41</p> | <p>Re-organize Relocatable Bldgs. G – Remove (2) (e) Abandoned Relocatables from site.</p> | <p>MP</p> | <p>Reposition relocatable buildings 17, 21, & 22 into existing gap between relocatables 9 and 10. Electrical power and all low voltage services will need to be re-fed to these locations.</p> <p>The (2) (e) abandoned relo buildings are derelict and need to be removed from the site and properly disposed of.</p> | | <p>\$ 119,739</p> |
| <p>NU 42</p> | <p>Reorganize (e) storage containers</p> | <p>MP</p> | <p>Reorganize (2) 8' x 40' and (3) 8' x 20' storage containers into a more compact footprint.</p> | | <p>\$ 3,564</p> |






Silver Springs High School

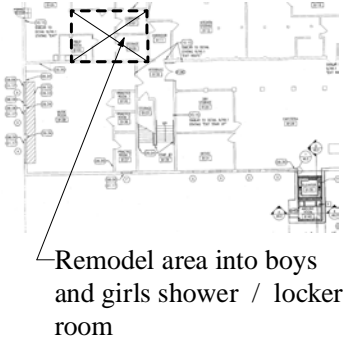



Silver Springs High School is a full-day continuation program for students in grade 9-12. In addition to an emphasis on core curricular subjects, Silver Springs offers elective and vocational classes. Students may enroll in a regional occupational program as well as earn school elective credit while employed locally. There is also a pregnant and parenting program along with a fully functioning infant / toddler center on the campus which meets the needs of pregnant and parenting students. The primary building B on the campus was originally constructed in 1939 as part of Grass Valley High School. Portable buildings have been added to the site in the 1980's and 1990's.

Proposed Silver Springs High School Improvements

| ITEM | SCOPE | Urgency Score | NARRATIVE DESCRIPTION / COMMENTS | DESCRIPTIVE SCOPE IMAGES | ROUGH ORDER OF COST MAGNITUDE |
|---------|--|---------------|--|---|-------------------------------|
| SS 1 | HVAC Energy Management System | HP | Delta DX System | | \$ 769,754 |
| SS 2 | Parking Lot Overlay | HP | Grind down, overlay, seal, and re-stripe entire lot. | | \$271,203 |
| SS 3 | Site Disabled Accessibility Improvements | MP | <ol style="list-style-type: none"> 1. Replace concrete walk / ramp at main entry. Allow for an area of 6000s.f. needing to be re-worked to provide ramps and stairs to make up 2' of fall. 2. Selected ADA improvements per DAC report . The DAC report estimate is \$1.082 million. Allow for 2/3 of this amount to rectify roughly 1/2 of these issues | <p>Area to be re-graded / landscaped. Stairs and ramps to make up 24" of fall</p> | \$1,059,837 |

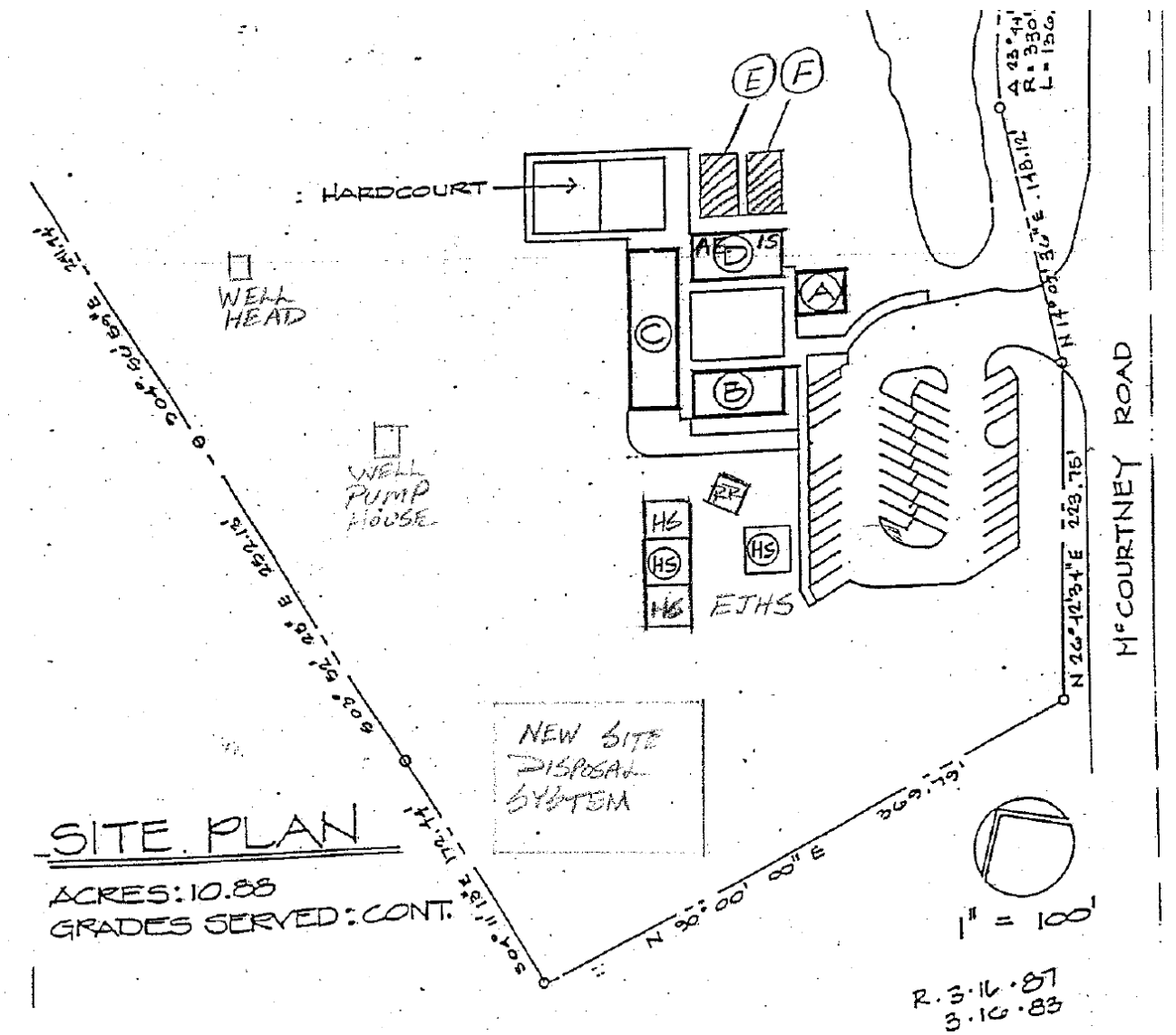
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|---------|--|---------------|---|---|-------------------------------|
| SS 4 | Acoustic Improvements in Corridor | LP | Corridors ceilings are 12' – something easy to clean – maybe metal acoustic wall panels similar to NU multi-use room. +/- 324 lf of corridor: Allow for 90 4' x 4' panels |  | \$ 96,989 |
| SS 5 | Security Camera System | LP | New security camera system. Allow (8) camera locations. |  | \$ 57,019 |
| SS 6 | Technology Improvements at every Classroom and Conference Room | LP | <ol style="list-style-type: none"> 1. Digital projectors and screens at all classrooms. 2. Upgrade Fiber to all IDF's 3. CAT 6a to Wireless Access Points in all classrooms. Allow for (11) locations |    | \$ 362,746 |

| ITEM | SCOPE | Urgency Score | NARRATIVE DESCRIPTION / COMMENTS | DESCRIPTIVE SCOPE IMAGES | ROUGH ORDER OF COST MAGNITUDE |
|---------|---|---------------|--|--|-------------------------------|
| SS 7 | Add shower / locker area at basement level. | LP | <p>(3) boys and (3) girls showers in remodeled area of the basement level. Include small locker area.</p> <p>Area + 300 s.f. x (2) = 600 s.f. to be improved.</p> |  | \$ 299,349 |
| SS 8 | Retrofit All Interior lighting to L.E.D. | LP EC | <p>Remove all interior light fixtures and replace with light emitting diode type fixtures. Benefits of these types of fixtures include energy efficiency, long live, and durability. Unlike fluorescent lamps they are also free of toxic chemicals and they are recyclable.</p> |  | \$148,294 |



McCourtney Road Adult Center

The McCourtney Rd. Adult School exists to help adults in the county reach their educational and personal goals. The main campus buildings A,B,C, & D are single story wood framed buildings constructed in 1983. There are two existing relocatable buildings E and F built in 1980 pre-date the main campus structures. Head Start relocatable buildings were added in 1993 and 1999.

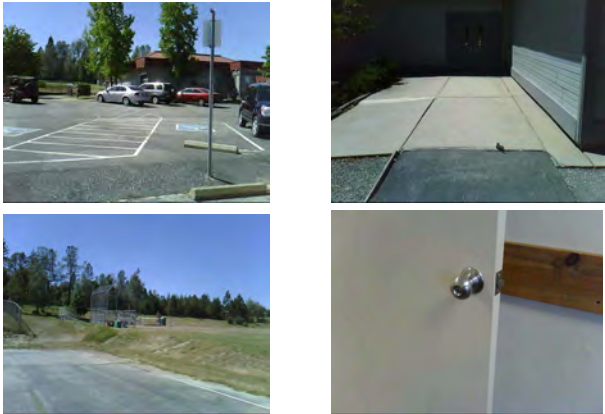


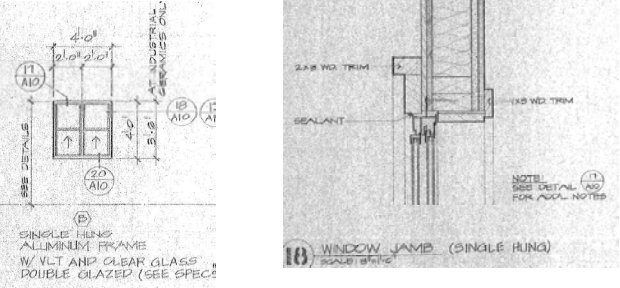




Proposed McCourtney Center Adult School Improvements

| ITEM | SCOPE | Urgency Score | NARRATIVE DESCRIPTION / COMMENTS | DESCRIPTIVE SCOPE IMAGES | ROUGH ORDER OF COST MAGNITUDE |
|---------|--|---------------|---|--------------------------|-------------------------------|
| MR 1 | HVAC Energy Management System | HP | Delta DX System | | \$769,754 |
| MR 2 | Rooftop HVAC Building Replacement | HP | Remove Lennox electric heat pumps from 1984. Replace with (2)5 ton rooftop heat pumps with 10 KW electric heat (7) 3 ton rooftop heat pumps with 7.5 kw electric heat All units furnished with adapter curb, air economizer, fault detection diagnostics, and new Honeywell TB7600 or equal occupancy controlled smart thermostat | | \$ 171,273 |
| MR 3 | Retrofit All Interior lighting to L.E.D. | LP EC | Remove all interior light fixtures and replace with light emitting diode type fixtures. Benefits of these types of fixtures include energy efficiency, long live, and durability. Unlike fluorescent lamps they are also free of toxic chemicals and they are recyclable. | | \$ 153,951 |



| ITEM | SCOPE | Urgency Score | NARRATIVE DESCRIPTION / COMMENTS | DESCRIPTIVE SCOPE IMAGES | ROUGH ORDER OF COST MAGNITUDE |
|---------|---|---------------|--|--|-------------------------------|
| MR 4 | Selected ADA Upgrades Throughout the Facility | HP | Selective accessibility improvements per DAC report. The DAC report estimate is \$.515 million. Allow for 2/3 of this amount to rectify roughly 1/2 of these issues |  | \$ 489, 411 |
| MR 5 | Parking Lot Overlay | HP | Grind down, overlay, seal, and re-stripe entire lot. |  | \$239,910 |
| MR 6 | Solar Panels | LP | Fenced ground mounted array. |  <p>Approximate Solar Panel Array Locations</p> | \$1,989,101 |
| MR 7 | Window System Replacement | HP | <p>Neighborhood kids attempt to break in through these windows on many occasions. Building has air conditioning so the replacement windows shall be fixed aluminum.</p> <p>(10) 8' x 4' (1) 3'6" x 4' (3) 4' x 4' (2) 8' x 1'6"</p> |  | \$ 72,270 |