# ALTA MURRIETA ELEMENTARY SCHOOL PARKING EXPANSION

## MURRIETA VALLEY UNIFIED SCHOOL DISTRICT

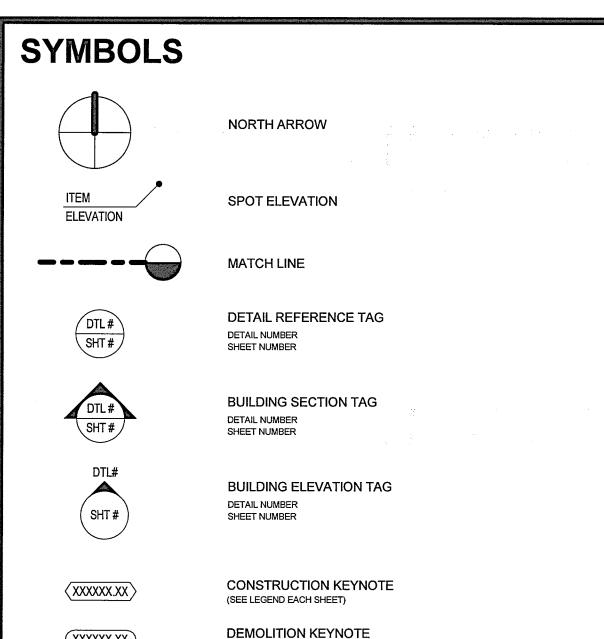
39475 WHITEWOOD ROAD, MURRIETA, CA 92562

CONSTRUCTION DOCUMENTS
4/1/2017

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731 Ninth Avenue, Suite A San Diego, California 92101 619.795.2450 39475 WHITEWOOD ROAD, MURRIETA, CA 92562





(SEE LEGEND EACH SHEET)

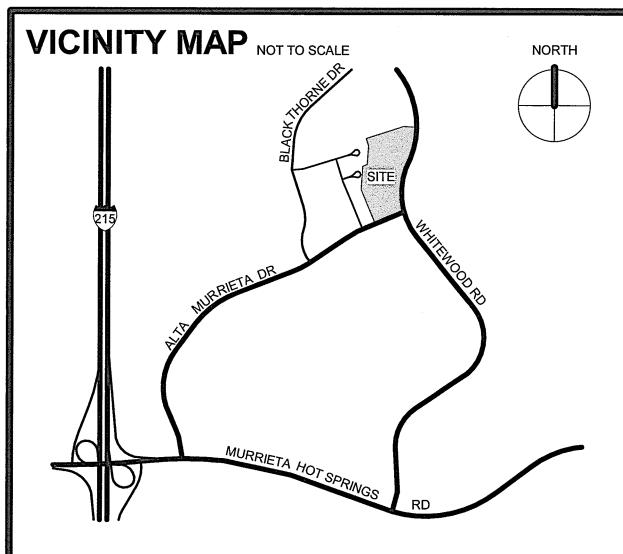
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#### **AGENCY REQUIREMENTS**

COMPLIANCE WITH TITLE 24, CCR, PARTS 1-6 AND 9. 2. TITLE 24, CCR, PARTS 1–5 MUST BE KEPT ON SITE DURING CONSTRUCTION 3. ALL ADDENDA MUST BE SIGNED BY ARCHITECT AND APPROVED BY DSA. (SECTION 4-338 4. ALL SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS SHALL BE CONSIDERED AS A CHANGE ORDER OR ADDENDA, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION. (IR A-6) (SECTION 4-338(c), PART 1) SUBSTITUTIONS SHALL BE FOR ANY MATERIAL. SYSTEM OR PRODUCT THAT WOULD OTHERWISE BE REGULATED BY DSA. 5. THE CHANGE ORDERS/CCD AND FIELD CHANGE DOCUMENTS (PRELIMINARY CHANGE ORDERS) (SECTION 4-338(c)(d), PART 1) MUST BE SIGNED BY ALL THE FOLLOWING:

b. OWNER (CHANGE ORDERS ONLY) c. STRUCTURAL ENGINEER (WHEN APPLICABLE d. DELEGATED PROFESSIONAL ENGINEER (WHEN APPLICABLE) AND SHALL BE SUBMITTED TO AND APPROVED BY DSA. 6. THE PROJECT INSPECTOR AND TESTING LAB SHALL BE EMPLOYED AND PAID BY THE OWNER AND APPROVED BY ALL OF THE FOLLOWING: b. STRUCTURAL ENGINEER (WHEN APPLICABLE)

7. FOR ALTERATIONS, REHABILITATION OR RECONSTRUCTION AS STATED IN TITLE 24, PART 1 SECTION 4-317(c) OR SIMILAR MEANING: "THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION. REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NONCOMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE DSA APPROVED DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24. CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK."



#### PROJECT DESCRIPTION (SCOPE OF WORK) ADDITION OF ASPHALT PARKING LOT WITH SITE LIGHTING CONNECTED TO EXISTING CONCRETE PARKING LOT.

APP NUMBER: 04-115979 FILE NUMBER: 33-32

#### **DEFERRED APPROVAL ITEMS**

INSTALLATION OF DEFERRED APPROVAL ITEMS SHALL NOT BE STARTED UNTIL DETAILED PLANS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS HAVE BEEN ACCEPTED AND SIGNED BY THEARCHITECT OR ENGINEER WHO HAS BEEN DELEGATED THE RESPONSIBILITY OF COVERING THE WORK SHOWN ON A PARTICULAR PLAN OR SPECIFICATION, AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. DEFERRED ITEMS SHALL BE COMPLETED PRIOR TO OCCUPANCY OF BUILDINGS AFFECTED BY THE

ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR). **DEFERRED APPROVAL ITEMS ARE AS FOLLOWS:** 

THE PLANS AND SPECIFICATIONS SHALL BE STAMPED AND SIGNED BY THE ARCHITECT AND ENGINEER OF RECORD BEFORE SUBMITTAL TO DSA.

#### **GENERAL NOTES**

CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A C.C.D. APPROVED BY THE OFFICE OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, C.C.R.

#### **INSPECTOR OF RECORD**

INSPECTOR OF RECORD (IOR) OF RECORD SHALL BE EMPLOYED BY THE OWNER AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT (DSA) DUTIES AND REQUIRED IOR. CLASSIFICATION PER SECTION 4-342, TITLE 24, PART 1 CCR AND IR A-7: CLASS 3 CERTIFIED BY DSA.

#### APPLICABLE CODES

 ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH: 2016 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, CBSC 2016 CALIFORNIA BUILDING CODE (CBC), PART 2, CBSC (2015 INTERNATIONAL BUILIDNG CODE & 2016 CALIFORNIA AMENDMENTS)

2016 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, CBSC (2014 NATIONAL ELECTRICAL CODE & 2016 CALIFORNIA AMENDMENTS) 2016 CALIFORNIA ENERGY CODE, PART 6, CBSC

2016 CALIFORNIA FIRE CODE, PART 9, CBSC (2015 INTERNATIONAL FIRE CODE & 2016 CALIFORNIA AMENDMENTS) 2016 CALIFORNIA REFERENCED STANDARDS, PART 12, CBSC

TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS ALL BARRIER FREE ITEMS SHALL COMPLY WITH TITLE 21 AND 24 OF THE CALIFORNIA CODE OF REGULATIONS, 2016.

ALL WORK AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH THE

REQUIREMENTS OF THESE CODES AND ALL APPLICABLE LOCAL ORDINANCES. WHERE CODES CONFLICT, THE MORE STRINGENT SHALL APPLY. PROTECTION DURING WELDING: CONFORM TO TITLE 8, C.C.R. FURTHER

PROTECT OCCUPANTS AND THE PUBLIC WITH PORTABLE SOLID VISION BARRICADES AROUND LOCATION WHERE WELDING IS BEING PERFORMED. PROVIDE SIGNS WARNING AGAINST LOOKING AT WELDING WITHOUT PROPER EYE PROTECTION OR EQUIVALENT. SEE C.F.C. FOR REQUIREMENTS FOR ON-SITE WELDING. DURING THE ENTIRE CONSTRUCTION PERIOD, IT SHALL BE THE SOLE

RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN CONDITIONS AT THE PROJECT SITE TO MEET THE REQUIREMENTS OF D.S.A. AND THE CALIFORNIA OCCUPATIONAL REGULATIONS. THIS PROVISION SHALL COVER THE CONTRACTOR'S EMPLOYEES AND ALL OTHER PERSONS WORKING UPON OR VISITING THE SITE. THE CONTRACTOR SHALL BECOME FULLY INFORMED OF ALL APPLICABLE STANDARDS AND REGULATIONS AND INFORM ALL PERSONS AND REPRESENTATIVES RESPONSIBLE FOR WORK UNDER THIS CONTRACT.

#### **ACCESSIBILITY NOTES**

PUBLIC WALKS FROM THE BUILDING TO THE PUBLIC WAY AND TO PARKING AREAS DESIGNATED AS ACCESSIBLE SHALL COMPLY WITH CHAPTER 11B, PART 2, TITLE 24, CCR PROVIDE WALKS A MINIMUM OF 48 INCHES WIDE AND WITH A GRADIENT NOT GREATER THAN 5% (1:20). WITH NO ABRUPT CHANGES GREATER THAN 1/2 INCHES IN THE DIRECTION

PROVIDE WALKS WITH LEVEL LANDINGS AT ALL EXTERIOR EXIT DOORS COMPLYING WITH CHAPTERS 10 AND 11B, PART 2, TITLE 24, CCR.. WITH NOT LESS THAN 60 INCHES X 60 INCHES IN DIMENSION AND WITH MAXIMUM 2 PERCENT SLOPE

SURFACE CROSS SLOPE GRADIENT SHALL NOT EXCEED 2 PERCENT PER FOOT AT

PROVIDE WARNING CURB. RAILING/GUIDE RAIL OR OTHER PROTECTIVE DEVICE AT ALI ABRUPT CHANGES IN LEVEL. (EXCEPT BETWEEN A WALK/SIDEWALK AND ADJACENT STREET OR DRIVEWAY) COMPLYING WITH CHAPTER 11B, PART 2, TITLE 24, CCR. PROVIDE MINIMUM 6 INCH HIGH CURB. WHERE GUARDRAIL OR HANDRAIL IS PROVIDED. NO CURB IS REQUIRED IF GUIDE RAIL IS PROVIDED CENTERED AT 3 INCHES ABOVE SURFACE OF

WALKWAY, PLUS OR MINUS 1 INCH. NO CURB IS REQUIRED IF WALKWAY IS 5 PERCENT OF

. PROVIDE ACCESSIBLE BUILDING ENTRANCES COMPLYING WITH CHAPTERS 10 AND 11B

PROVIDE THE BOTTOM 10 INCHES OF ALL DOORS (EXCEPT AUTOMATIC AND SLIDING DOORS) WITH A SMOOTH UNINTERRUPTED SURFACE PERMITTING THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS

LIMIT DOOR OPERATING FORCE IN COMPLIANCE WITH CHAPTER 11B, PART 2, TITLE 24. CCR. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED THE FOLLOWING:

5 POUNDS FOR INTERIOR DOORS. 15 POUNDS FOR DOORS WITH FIRE RATED LABELS.

TITLE 24, CCR. CENTER HAND-ACTIVATED DOOR OPENING HARDWARE BETWEEN 30 INCHES AND 44 INCHES ABOVE THE FLOOR. HAND ACTIVATED LATCHING AND LOCKING DOORS, LOCATED IN THE PATH OF TRAVEL, SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, BY PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. LOCKED EXIT DOORS SHALL BE ACCESSIBLE AS SPECIFIED IN DIRECTION OF EGRESS.

PROVIDE THRESHOLDS COMPLYING WITH CHAPTER 11B, PART 2, TITLE 24, CCR, WITH MAXIMUM TOTAL HEIGHT OF 1/2 INCHES.

#### FIRE & LIFE SAFETY NOTES

ALL INTERIOR FINISHES SHALL CONFORM TO THE REQUIREMENTS OF CHAPTER 8, PART R, TITLE 24, CCR. ALL FINISHES SHALL HAVE A FLAME SPREAD RATING OF 75 OR LESS AND A SMOKE DENSITY NOT TO EXCEED 450 WHEN TESTED IN ACCORDANCE WITH CBC 2016 & ASTM E 84, and SHALL HAVE A CLASS A OR B FLAME SPREAD CLASSIFICATION PER TABLE

2. ALL ELECTRICAL, MECHANICAL, AND PLUMBING PENETRATIONS, INCLUDING CONDUITS

AND PIPING, THROUGH FIRE RATED WALL, FLOOR AND CEILING ASSEMBLIES SHALL BE TIGHTLY AND SOLIDLY SEALED WITH FIRESTOPPING COMPLYING WITH CBC 2016 & ASTM E 814 AND THE PROJECT MANUAL. WHERE ITEM PENETRATES AN AREA SEPARATION WALL THE SECTION PASSING THROUGH THE WALL SURFACE AND THE FIXTURE CONNECTIONS THERETO SHALL BE ONLY OF METAL.

4. THE CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY PEDESTRIAN PROTECTION AS REQUIRED BY LOCAL CODE AND SPECIFICATION 5. DO NOT BLOCK EXITS AT ANY TIME.

#### Statement of General Conformance FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS INCLUDING BY NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS (Application No. 04-115979 File No. 33-32

All drawings or sheets listed on the cover or index sheet (Civil, Landscape, Structural, Mechanical, Plumbing, Electrical)

☐ This drawing, page of specifications/calculations have been prepared by other design professionals or consultants who are licensed and/or

authorized to prepare such drawings in this state. It has been examined by me for:

design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.

The Statement of General Conformance "shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-341 and 4-344" of Title 24, Part 1. (Title 24, Part 1, Section 4-317 (b))

project design, and

Exp. Date

I find that: 

All drawings or sheets listed on the cover or index sheet ☐ This drawing or page is/are in general conformance with the is/are in general conformance with the

project design, and nas/have been coordinated with the project plans and specifications

has/have been coordinated with the project plans and specifications Architect or Engineer designated to Architect or Engineer delegated responsibility for this portion of the be in general responsible charge

BUDDY GESSEL **Print Name** C30244 License Number Exp. Date License Number

#### **GENERAL NOTES**

1. DURING THE ENTIRE CONSTRUCTION PERIOD, IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN CONDITIONS AT THE PROJECT SITE. TO MEET THE REQUIREMENTS OF THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND CALIFORNIA OCCUPATIONAL REGULATIONS. THIS PROVISION SHALL COVER STANDARDS AND REGULATIONS AND INFORM ALL PERSONS AND REPRESENTATIVES RESPONSIBLE FOR WORK UNDER THIS CONTRACT

NOT PROCEED WITH WORK IN THE AREA OF DISCREPANCY OR CONFLICT UNTIL DIRECTION IS GIVEN BY ARCHITECT. IF CONTRACTOR PROCEEDS WITHOUT DIRECTION FROM ARCHITECT, IT SHALL BE AT CONTRACTORS RISK, AND CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CORRECTIVE ACTION.

DIMENSIONS TAKE PRECEDENCE OVER SCALED GRAPHICS. NOTIFY ARCHITECT

4. CORRECT ALL WORK INSTALLED IN CONFLICT WITH THE CONSTRUCTION DOCUMENTS B CONTRACTOR AS DIRECTED BY ARCHITECT AND AT NO ADDITIONAL EXPENSE TO THE

FOR PROPER COMPLETION OF THE WORK. REQUEST ALL INSPECTIONS REQUIRED BY

7. WHERE WORK OR EQUIPMENT IS INDICATED "N.I.C." (NOT IN CONTRACT) ON THE

DRAWINGS, SUCH WORK AND/OR EQUIPMENT SHALL BE PROVIDED BY OTHERS

CONTRACTOR SHALL COORDINATE AND COOPERATE TO EFFECT SUCH INSTALLATION. 8. ALL PLAN DIMENSIONS SHOWN AT CENTER OF WALL REPRESENT CENTER LINE OF STUD

OR STRUCTURAL ELEMENT UNLESS NOTED OTHERWISE. 9. ALL PLAN DIMENSIONS FOR MASONRY AND CONCRETE REPRESENT FACE OF MATERIAL

AND OPENING UNLESS NOTED OTHERWISE. 10. ALL DIMENSIONS SHOWN ARE TO FACE OF STUD AT NEW CONSTRUCTION AND FACE OF

FINISH AT EXISTING CONSTRUCTION, UNLESS NOTED OTHERWISE. 11. DIMENSIONS ARE NOT ADJUSTABLE WITHOUT THE REVIEW OF ARCHITECT UNLESS NOTED (+/-) OR "VERIFY". DIMENSIONS NOTED "HOLD" SHALL BE CONSIDERED AS ABSOLUTE AND USED FOR LAY-OUT CONTROL UNLESS OTHERWISE DIRECTED BY ARCHITECT.

12. ALL HEIGHTS ARE DIMENSIONED FROM TOP OF SLAB UNLESS NOTED "AFF" (ABOVE

13. "TYPICAL" MEANS COMPARABLE CHARACTERISTICS FOR THE ELEVATION OR DETAIL NOTED. WHEN A DETAIL OR NOTE IS IDENTIFIED AS "TYPICAL", CONTRACTOR SHALL APPLY THIS DETAIL OR NOTE TO EVERY LIKE CONDITION. WHETHER OR NOT THE REFERENCE IS REPEATED IN EVERY INSTANCE. VERIFY DIMENSIONS AND ORIENTATION ON PLANS.

4. PROVIDE WORK NOT SPECIFICALLY DETAILED OR SPECIFIED IN ACCORDANCE WITH DETAILS OR SIZES COVERING SIMILAR WORK

15. "SIMILAR" MEANS COMPARABLE CHARACTERISTICS FOR THE ELEVATION OR DETAIL NOTED VERIFY DIMENSIONS AND ORIENTATION ON PLANS.

16. ABBREVIATIONS THROUGHOUT THE DOCUMENTS COMPLY WITH DOCUMENT ABBREVIATION LIST OR ARE THOSE IN COMMON USE. ARCHITECT WILL DEFINE THE INTENT

PROVIDE FOR THE PROPER SEQUENCE OF CONSTRUCTION, LOCATION AND SIZE OF

OPENINGS. COORDINATE ALL CONSTRUCTION AS INDICATED BY THE CONTRACT DOCUMENTS, INCLUDING SHOP DRAWINGS REVIEWED BY ARCHITECT

18. TAKE ALL MEASURES TO ACCOMPLISH THE WORK WITH THE MINIMUM OF INTERRUPTION TO NORMAL BUILDING PROCEDURES. NOTIFY OWNER IN ADVANCE OF HVAC, ELECTRICAL OR OTHER BUILDING SYSTEM SHUT-OFFS. MINIMIZE NOISE AND DUST GENERATION TO MAXIMUM EXTENT POSSIBLE. COMPLY WITH REQUIREMENTS AS SPECIFIED

19. REMOVE ALL TRASH AND DEBRIS DAILY. DO NOT STORE BUILDING MATERIALS IN CORRIDORS AT ANY TIME. COMPLY WITH REQUIREMENTS AS SPECIFIED IN PROJECT

20. PERFORM ALL CUTTING, PATCHING, AND FINISHING NECESSARY TO RESTORE THE BUILDING AND SITE TO ORIGINAL CONDITION OF ALL EXISTING PORTIONS OF THE BUILDING AND SITE AFFECTED BY CONTRACTORS WORK, TO THE SATISFACTION OF ARCHITECT AND

21. VERIFY POINTS OF CONNECTION, INCLUDING SIZES AND LOCATIONS, AND ALL OTHER REQUIRED OPERATING CRITERIA WITH EQUIPMENT MANUFACTURER.

22. COORDINATE THE LOCATION AND TYPE OF ALL ACCESS PANELS REQUIRED FOR ACCESSING MECHANICAL, PLUMBING, ELECTRICAL AND OTHER BUILDING SYSTEMS WITH

23. CONTRACTOR SHALL INSURE ALL CONSTRUCTION SHALL REMAIN ACCESSIBLE AND EXPOSED FOR INSPECTION PURPOSES UNTIL APPROVED BY THE INSPECTOR OF RECORD. FOR CONTINUOUS INSPECTION, TESTING, AND OBSERVATION REQUIREMENTS, REFER TO THE TESTING AND OBSERVATION PROGRAM

 PROTECTION DURING WELDING: CONFORM TO TITLE 8. C.C.R. FURTHER PROTECT OCCUPANTS AND THE PUBLIC WITH PORTABLE SOLID VISION BARRICADES AROUND LOCATION WHERE WELDING IS BEING PERFORMED. PROVIDE SIGNS WARNING AGAINST LOOKING AT WELDING WITHOUT PROPER EYE PROTECTION OR EQUIVALENT. SEE C.F.C. FOR REQUIREMENTS FOR ON SITE WELDING.

SEE CFC CHAPTER 33 FOR FIRE SAFETY DURING CONSTRUCTION.

VERIFY DIMENSIONS, LOCATIONS OF EXISTING UTILITIES, AND CONITIONS ON THE JOB SITE PRIOR TO THE START OF WORK OR PORTIONS OF THE WORK, NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THE ACTUAL FIELD CONDITIONS AND THE CONSTRUCTION DOCUMENTS. EXISTING CONDITIONS ARE INDICATED AS A RESULT OF FIELD OBSERVATIONS. INFORMATION SHOWN ON AVAILABLE DOCUMENTS AND FIELD CONDITIONS AT THE TIME OF PREPARATION. AND ARE NOT GUARANTEED TO BE ACCURATI

27. WHERE ANY CONFLICT OCCURS BETWEEN THE REQUIREMENTS OF LAWS, CODES, ORDINANCES, RULES AND REGULATIONS, THE MOST STRINGENT SHALL GOVERN.

28. WHERE NO SPECIFIC DETAIL IS SHOWN, THE FRAMING OR CONSTRUCTION SHALL BE IDENTICAL OR SIMILAR TO THAT INDICATED FOR LIKE CASES OF CONSTRUCTION OR PER COMMON INDUSTRY PRACTICE IF THERE ARE NO LIKE CASES.

29. CHANGES TO THE APPROVED DRAWINGS AND/OR SPECIFICATIONS SHALL BE MADE BY ADDENDA OR A CHANGE ORDER APPROVED BY THE DIVISION OF THE STATE ARCHITECT AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR. 30. CONTRACTOR TO COOPERATE WITH OWNER PROVIDED TESTING LAB TO OBTAIN TEST

SAMPLES. THE INSPECTOR FOR AGENCY HAVING JURISDICTION SHALL HAVE FULL ACCESS

31. CONTRACTOR'S SAFETY BARRICADE (TEMPORARY FENCING) SHALL PROTECT PUBLIC FROM CONSTRUCTION ACTIVITIES. THE SAFETY BARRICADE SHALL PROTECT AND SECURE THE CONSTRUCTION AREA. TEMPORARY FENCING SHALL ALSO BE PROVIDED TO PROTECT AND SECURE STORAGE YARDS. EXACT LOCATION OF SAFETY BARRICADE AND OTHER TEMPORARY FENCING SHALL BE APPROVED BY THE OWNER PRIOR TO INSTALLATION.

32. PENETRATIONS OF ANY KIND. INCLUDING THOSE REQUIRING CUTTING. BORING. SAWCUTTING OR DRILLING THROUGH EXISTING OR NEW STRUCTURAL FI FMENTS IS NOT TO BE STARTED UNTIL THE DETAILS HAVE BEEN REVIEWED BY THE OWNER AND THE D.S.A. FIELD ENGINEER, IF DETAILS DO NOT SHOW OR CONFORM TO THE APPROVED DRAWINGS.

33. CONTACT UNDERGROUND UTILITY SERVICE TO CHECK PUBLIC UTILITIES PRIOR TO

STREET WORK, LOCATE ON-SITE UTILITIES BY POTHOLING OR OBTAIN AND PAY FOR THE

34. WHERE CONFLICTS OCCUR IN THE DOCUMENTS, BID THE MORE EXPENSIVE ITEM.

SERVICES OF A UTILITY LOCATOR.

MURRIETA VALLEY UNIFIED SCHOOL

ALTA MURRIETA ELEMENTARY SCHOOL PARKING EXPANSION

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E1.2	PARTIAL SITE PLAN & LIGHT FIXTURE SCHEDUL
E1.3	ELECTRICAL DETAILS

#### PROJECT DIRECTORY

ARCHITECT

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12875 BROOKPRINTER PLACE, SUITE 300

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POWAY, CA 92064 PHONE: (858) 679-4030

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ACS: R. MULLEN



DIVISION OF THE STATE ARCHITECT APPL# 04-115979

IDENTIFICATION STAMP

#### TITLE SHEET / SHEET INDEX / GENERAL NOTES

NO. DATE

4/1/2017

#### GRADING GENERAL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE CALIFORNIA BUILDING CODE, AND THE PRELIMINARY GEOTECHNICAL INVESTIGATION PREPARED BY LEIGHTON CONSULTING, INC. ON JANUARY 4, 2017, AND ALL OTHER LEIGHTON CONSULTING. INC. DOCUMENTS RELATED TO THIS PROJECT. ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (APWA GREEN BOOK), LATEST EDITION AND AMENDMENTS. WHENEVER SPECIAL REQUIREMENTS CONFLICT ON ANY SUBJECT MATTER, THE ENGINEER OF RECORD AND/OR HIS REPRESENTATIVE WILL DETERMINE WHICH SPECIAL REQUIREMENT AND/OR CODE WILL GOVERN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING AND DISPOSAL OF THE PROPOSED WORK AREA.
- 4. DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS IN ACCORDANCE WITH CITY, COUNTY, AND STATE ORDINANCES AND STATUTES.
- 5. NO FILL SHALL BE PLACED ON THE EXISTING GROUND UNTIL THE GROUND HAS BEEN CLEARED OF WEEDS, DEBRIS, TOPSOIL, DELETERIOUS MATERIAL AND PREPARED PER THE PROJECT SPECIFICATIONS AND GEOTECHNICAL REPORT.
- CUT AND FILL SLOPES SHALL BE NO STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL, ANY CUT SLOPE THAT IS NOT STABLE SHALL BE OVEREXECAVATED AND RECOMPACTED AS INDICATED BY PROJECT SPECIFICATIONS AND GEOTECHNICAL REPORT.
- 7. FILLS SHALL BE COMPACTED THROUGHOUT TO 95% OF THE MAXIMUM DENSITY AS DETERMINED BY ASTM D1557-91 AND CERTIFIED BY THE GEOTECHNICAL ENGINEER.
- 8. AREAS TO RECEIVE FILL SHALL BE PROPERLY PREPARED AND APPROVED BY THE GEOTECHNICAL ENGINEER OR HIS REPRESENTATIVE PRIOR TO PLACING OF FILL.
- 8. ALL EXISTING FILLS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER AND STATE INSPECTOR OR HIS REPRESENTATIVE BEFORE ANY ADDITIONAL FILLS ARE ADDED.
- 9. THE EXISTING IRRIGATION LINES AND CISTERNS SHALL BE REMOVED, BACKFIELD, AND APPROVED BY THE GRADING INSPECTOR AND GEOTECHNICAL ENGINEER.
- 10. SLOPES EXCEEDING FIVE FEET IN HEIGHT MUST BE PLANTED WITH AN APPROVED IRRIGATION SYSTEM UNLESS OTHERWISE NOTED ON LANDSCAPE ARCHITECTS PLANS.
- 11. THE STOCKPILING OF EXCESS MATERIAL SHALL BE APPROVED BY THE OWNER IF IT IS TO BE ONSITE AND THE AGENCY WITH JURISDICTION IF IT IS TO BE OFFSITE.
- 12. ALL TRENCH BACKFILLS SHALL BE TESTED AND APPROVED BY THE SITE GEOTECHNICAL ENGINEER AND PER THE APWA.
- 13. ALL CUT SLOPES SHALL BE INVESTIGATED BOTH DURING AND AFTER GRADING BY AN ENGINEERING GEOLOGIST TO DETERMINE IF ANY SLOPE STABILITY PROBLEM EXISTS. SHOULD EXCAVATION DISCLOSE ANY GEOLOGICAL HAZARDS OR POTENTIAL GEOLOGICAL HAZARDS, THE ENGINEERING GEOLOGIST SHALL RECOMMEND NECESSARY TREATMENT TO THE PROJECT ARCHITECT FOR APPROVAL.
- 14. WHEN CUT PADS ARE BROUGHT TO NEAR GRADE, THE ENGINEERING GEOLOGIST SHALL DETERMINE IF THE BEDROCK IS EXTENSIVELY FRACTURED OR FAULTED AND WILL READILY TRANSMIT WATER. IF CONSIDERED NECESSARY BY THE ENGINEERING GEOLOGIST AND
- GEOTECHNICAL ENGINEER, A COMPACTED FILL BLANKET WILL BE PLACED. 15. THE FINAL COMPACTION REPORT AND APPROVAL FROM THE GEOTECHNICAL ENGINEER SHAL CONTAIN THE TYPE OF FIELD TESTING PERFORMED. THE METHOD OF OBTAINING THE IN-PLACE DENSITY, WHETHER SAND CONE, NUCLEAR GAGE, OR DRIVE RING SHALL BE SO NOTED FOR

THE ACCURACY OF THE MAXIMUM DENSITY CURVES USED BY THE FIELD TECHNICIAN.

EACH TEST. SUFFICIENT MAXIMUM DENSITY DETERMINATIONS SHALL BE PERFORMED TO VERIFY

- 16. SANITARY FACILITIES SHALL BE MAINTAINED ON THE SITE.
- 17. THE LOCATION AND PROTECTION OF ALL UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR. 18. ALL EXISTING DRAINAGE COURSES ON THE PROJECT SITE MUST CONTINUE TO FUNCTION, ESPECIALLY DURING STORM CONDITIONS AND APPROVED PROTECTIVE MEASURES AND TEMPORARY DRAINAGE PROVISIONS MUST BE USED TO PROTECT ADJOINING PROPERTIES DURING THE GRADING PROJECT. IN ALL CASES, THE CONTRACTOR AND/OR DEVELOPER SHALL BE HELD LIABLE FOR ANY DAMAGE DUE TO OBSTRUCTING NATURAL DRAINAGE PATTERS.
- 19. ANY WATER WELLS SHALL BE ABANDONED IN COMPLIANCE WITH THE COUNTY STANDARDS AND IN ACCORDANCE WITH THE STATE DEPARTMENT OF WATER RESOURCES. 20. ANY EXISTING SEWERS, CESSPOOLS, AND SEPTIC TANKS OR OTHER SEWAGE DISPOSAL FACILITIES SHALL BE ABANDONED IN COMPLIANCE WITH THE CALIFORNIA PLUMBING CODE AND
- TO THE APPROVAL OF THE GEOTECHNICAL ENGINEER AND GRADING INSPECTOR. 21. EXPORT SOILS MUST GO TO A LEGAL DUMP SITE OR TO A PERMITTED SITE APPROVED BY THE
- 22. PERMISSION IS REQUIRED FROM THE ADJACENT PROPERTY OWNER WHENEVER WORK IS
- 23. ANY DIRT, ROCK OR CONSTRUCTION MATERIAL THAT MAY BE TRACKED OR DROPPED WITHIN THE PUBLIC RIGHT-OF-WAY DURING THE TRANSPORTATION OF SAID MATERIAL OR EQUIPMENT ASSOCIATED WITH THE PROJECT SHALL BE CLEANED OR REMOVED DAILY.
- 24. DIRT ACCESS RAMPS OVER CURB AND GUTTER TO CONSTRUCTION SITE ARE NOT ALLOWED. WHEN NECESSARY FOR ENTRANCE TO SUCH CONSTRUCTION SITES, ASPHALT RAMPS WITH A MINIMUM 3" DIAMETER PIPE WILL BE CONSTRUCTED TO CONVEY GUTTER DRAINAGE. ALL BASE, GRAVEL, SOIL OR OTHER MATERIAL CARRIED INTO THE ROADWAY BY CONTRACTORS PERSONNEL OR EQUIPMENT WILL BE CLEANED AS NECESSARY AND NO LESS THAN ONCE A DAY. TRUCKS HAULING BASE, GRAVEL, FILL OR EXPORT MATERIALS WITHIN CITY LIMITS WILL BE TARPED AS NECESSARY TO PREVENT MATERIAL FROM SPILLING INTO THE ROADWAY.
- 25. PRIOR TO ANY CONSTRUCTION WHICH INVOLVES HAZARDOUS CONDITIONS. THE CONTRACTOR SHALL FIRST OBTAIN A PERMIT FROM THE DIVISION OF OCCUPATIONAL SAFETY AND HEALTH
- 26. PROPOSED REVISIONS TO THE GRADING PLAN SHALL BE DRAWN IN RED PENCIL ON BLUELINES OF THE APPROVED PLAN. THESE BLUELINES ARE THEN TO BE SUBMITTED TO THE OWNERS REPRESENTATIVES FOR REVIEW AND APPROVAL. ONLY AFTER THE BLUELINE APPROVAL IS GIVEN SHOULD THE ORIGINALS BE AS-BUILT BY THE ENGINEER/ARCHITECT.
- 27. RULE 403, AIR QUALITY CONTROL MANAGEMENT DISTRICT, MUST BE IMPLEMENTED BY CONTRACTORS DURING CONSTRUCTION.
- 28. CONSTRUCTION ACTIVITIES SHALL OCCUR ONLY BETWEEN THE HOURS OF 7:00 A.M. AND 7:00 P.M. MONDAY THROUGH FRIDAY, AND BETWEEN THE HOURS OF 9:00 A.M. AND 6:00 P.M. ON SATURDAYS. NO CONSTRUCTION ACTIVITIES SHALL BE PERMITTED OUTSIDE OF THESE PERMITTED HOURS OR ON
- 29. CONSTRUCTION PARKING SHALL BE ONSITE. TRAFFIC CONTROL AND ACCESS SHALL BE IN ACCORDANCE WITH THE GENERAL CONDITION REQUIREMENTS.
- 30. TRUCKS AND LARGE CONSTRUCTION VEHICLES WILL OBTAIN APPROVED TRUCK ROUTES FROM THE 31. THE CONTRACTOR SHALL CONTROL DUST IN AREAS USED FOR OFF-ROAD PARKING, MATERIALS
- LAYDOWN OR THOSE AWAITING FUTURE CONSTRUCTION. FREQUENTLY ACCESSED AREAS SHALL BE 32. THE CONTRACTOR SHALL UTILIZE MEASURES TO PREVENT DIRT FROM BEING TRACKED, WASHED
- BLOWN OR OTHERWISE CONVEYED ONTO PAVED ROADWAYS, AND WILL WASH OR SWEEP CONSTRUCTION ACCESS POINTS ON A ROUTINE BASIS AS SPECIFIED BY THE COUNTY AT A PREGRADE MEETING AS WELL AS WHENEVER DIRT IS VISIBLE MORE THAN 50 FEET FROM THE ACCESS POINT INDEPENDENT OF THE ROUTINE CLEAN-UP SCHEDULE.
- 33. TRUCKS USED IN HAULING DIRT TO OR FROM THE SITE ON PUBLIC ROADS WILL BE COVERED OR WILL MAINTAIN A SIX INCH DIFFERENTIAL BETWEEN THE MAXIMUM HEIGHT OF ANY HAULED MATERIAL AND THE TOP OF THE TRAILER. HAUL TRUCK DRIVERS WILL LOAD PRIOR TO LEAVING THE SITE TO PREVENT SOIL LOSS DURING TRANSPORTATION.

#### **DEMOLITION GENERAL NOTES**

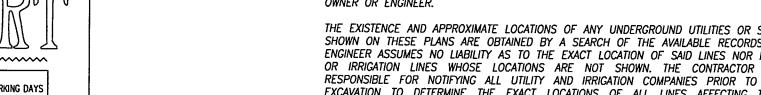
1. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION OF THE SITE AND SHALL REMOVE AND DISPOSE OF ALL STRUCTURES ABOVE AND OR BELOW GROUND. ANY HAZARDOUS MATERIALS ENCOUNTERED SHALL BE HANDLED AND REMOVED AS REQUIRED BY LOCAL AND OR

2. EXISTING WATER LATERALS AND IRRIGATION LINES SHALL BE CUT AND CAPPED AT THE 2.

- LIMIT OF THE DEMO AREA SHOWN. ALL WATER SERVICES SHALL BE TERMINATED IN A FLUSH 3. EXISTING SEWER LATERALS SHALL BE CUT AND PLUGGED AT THE LIMIT OF THE DEMO AREA SHOWN. ALL PLUGGED ENDS FOR LATERALS WILL BE BROUGHT TO GRADE WITH A STANDARD
- 4. EXISTING ELECTRICAL LINES SHALL BE TEMPORARILY REROUTED AROUND THE LIMITS OF THE DEMO AREA. ALL TEMPORARY WIRING CONNECTIONS SHALL BE TERMINATED IN AN ABOVE
- 5. THE CONTRACTOR SHALL EXERCISE DUE CARE TO AVOID DAMAGE TO EXISTING HARDSCAPE IMPROVEMENTS , UTILITY FACILITIES, AND LANDSCAPING FEATURES THAT ARE NOT TO BE
- 6. ALL JOIN LINES SHALL BE SAW CUT ON A NEAT, STRAIGHT LINE PARALLEL WITH THE JOIN. THE CUT EDGE SHALL BE PROTECTED FROM CRUSHING, AND ALL BROKEN EDGES SHALL BE RE 7. ALL EXISTING OBJECTIONABLE MATERIALS THAT CONFLICT WITH PROPOSED IMPROVEMENTS
- INCLUDING, BUT NOT LIMITED TO, BUILDING FOUNDATIONS, UTILITIES AND APPURTENANCES, TREES, SIGNS, AND STRUCTURES, ETC. SHALL BE REMOVED AND DISPOSED BY THE CONTRACTOR, UNLESS OTHERWISE INDICATED HEREIN, OR AS DIRECTED BY THE ARCHITECT OR
- 8. THE CONTRACTOR SHALL PROTECT ALL EXISTING CONCRETE FROM DAMAGE CAUSED BY HIS OPERATIONS. ANY CONCRETE DAMAGED DURING HIS OPERATIONS SHALL BE SAWCUT AND REPLACED AT NO COST TO THE OWNER. ANY EXISTING CONCRETE IDENTIFIED AS POTENTIALLY NEEDING TO BE REPLACED SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OR THE OWNERS REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF WORK
- 9. THE CONTRACTOR SHALL PERFORM AND BE RESPONSIBLE FOR ALL CLEARING AND GRUBBING OPERATIONS AS NECESSARY TO COMPLETE THE WORK, INCLUDING TRANSPORTATION AND DISPOSAL OF ALL REMOVED MATERIALS, AND ALL ASSOCIATED COSTS. 10.THE CONTACTOR SHALL ABANDON EXISTING WELLS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND SHALL HAVE A C-57 CALIFORNIA CONTRACTORS LICENCE.

A PUBLIC SEVICE BY UNDERGROUND SERVICE ALERT

11.IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE AND DETERMINE THE SAID REGULATIONS AND ORDERS. EXTENT OF DEMOLITION BASED ON THE PROPOSED IMPROVEMENTS SHOWN IN THIS SET OF



#### UTILITY GENERAL NOTES

- ALL WATER LINES 3" AND SMALLER SHALL BE SCHEDULE 80 PVC, PER ASTM D-1784 WITH SOLVENT WELD FITTINGS. ALL WATER LINES 4" AND GREATER SHALL BE CLASS 150
- WATER MAIN AND SEWER MAIN CROSSINGS SHALL COMPLY WITH STATE AND COUNTY HEALTH DEPARTMENT REGULATIONS. WATER SERVICE LINES AND SEWER LATERALS SHALL NOT BE IN THE SAME TRENCH. WATER AND SEWER LINES ONSITE SHALL HAVE A TEN FOOT MINIMUM HORIZONTAL CLEARANCE WHENEVER POSSIBLE. WATER MAINS SHALL CLEAR ABOVE ALL SEWER LATERALS BY A MINIMUM OF ONE FOOT VERTICAL CLEARANCE OR UNDER BY 3' MINIMUM. WHEN WATER LINE CROSSES UNDER SEWER, OR MINIMUM CLEARANCE OVER SEWER IS NOT ACHIEVED, SEWER SHALL BE ENCASED IN CONCRETE 10'

MINIMUM WATER LINE COVER FROM FINISH GRADE TO THE TOP OF PIPE SHALL BE 36"

- OF COVER. MINIMUM FIRE LINE COVER FROM FINISH GRADE TO THE TOP OF PIPE SHALL BE 48" COVER. WHERE REQUIRED, FIRE LINES MAY HAVE A MINIMUM COVER OF 30" IN NON TRAFFIC AREAS AND A MINIMUM COVER OF 36" IN TRAFFIC AREAS PER NFPA 24. 4. THE UTILITY CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COMPACTION TESTS OF
- ALL TRENCH BACKFILL AND SUBMIT THEM TO THE CONSTRUCTION MANAGER FOR APPROVAL. ALL BEDDING SHALL HAVE A SAND EQUIVALENT OF 30 OR BETTER.
- 5. WATER SERVICE CONNECTION TO THE BUILDINGS SHALL BE INSTALLED BY THE BUILDING PLUMBING CONTRACTOR.
- 6. MINIMUM BEARING AREA FOR THRUST BLOCKS SHALL BE ACCORDING TO THE THRUST BLOCK SCHEDULE SHOWN ON THESE PLANS.
- 7. A PIPE "DEFLECTOR' OR "REROUNDER" SHALL NOT BE USED TO REROUND OVERDEFLECTED PIPES. 8. ALL VALVE AND CLEAN OUT COVERS TO HAVE TRAFFIC RATED VANDAL PROOF COVERS
- AND ADJUSTED BY CONTRACTOR TO FINISH GRADE AFTER PAVING. ALL COVERS SHALL INDICATE "S" FOR SEWER, "W" FOR WATER, AND "SD" FOR STORM DRAIN. ALL UNDERGROUND FERROUS METALS ARE TO BE PROTECTED FROM CORROSION WITH 40 MIL EXTRUDED POLYETHYLENE, 20 MIL PLASTIC TAPE OVER PRIMER PER AWWA STANDARD C209, OR HOT APPLIED COAL TAR ENAMEL OR TAPE PER AWWA STANDARD
- 10. BARE STEEL APPURTENANCES SUCH AS BOLTS, JOINT HARNESSES OR FLEXIBLE COUPLINGS SHOULD BE COATED WITH A COAL TAR OR RUBBER-BASED MASTIC AFTER
- 11. CONTRACTOR SHALL EXPOSE ALL EXISTING WATER & SEWER PIPELINES AT PROPOSED CONNECTION POINTS TO CONFIRM MATERIAL TYPES LOCATION, AND ELEVATION PRIOR TO
- 12. ALL UNDERGROUND PIPELINES SHALL HAVE UNDERGROUND WARNING TAPE PLACED 12" ABOVE THE LINES IN THE TRENCH. NON-METALLIC LINES SHALL HAVE METALLIC LINED
- 13. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR AND COORDINATE THE RELOCATION OF ANY EXISTING UTILITIES DEEMED NECESSARY BY THE PROPOSED
- 14. WHENEVER IT BECOMES NECESSARY TO TUNNEL UNDER EXISTING IMPROVEMENTS, THE CONTRACTOR SHALL SUPPORT THOSE IMPROVEMENTS IN A MANNER APPROVED BY THE PROJECT ENGINEER OR THE CONTRACTOR SHALL SAWCUT, REMOVE AND REPLACE THOSE IMPROVEMENTS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- 15. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES (BY POTHOLING OR OTHER MEANS), CONTRACTORS SHALL NOTIFY UNDERGROUND SERVICE ALERT (U.S.A.) 800/227-2600 AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION TO LOCATE EXISTING UTILITIES.
- 16. CONTRACTOR SHALL OBTAIN ANY REQUIRED O.S.H.A. PERMITS PRIOR TO ANY EXCAVATIONS. 17. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE STARTING WORK. SHOULD CONDITIONS EXIST WHICH ARE CONTRARY TO THOSE SHOWN ON PLANS, THE ENGINEER SHALL BE NOTIFIED BEFORE PROCEEDING WITH WORK.
- 18. PURSUANT TO SECTION 8771 OF THE BUSINESS AND PROFESSIONS CODE, EXISTING SURVEY MONUMENTS SHALL BE NOTED AND DOCUMENTED BEFORE CONSTRUCTION. IF MONUMENTS ARE DISTURBED DURING CONSTRUCTION, THE CONTRACTOR SHALL PAY A REGISTERED LICENSED LAND SURVEYOR OR ENGINEER TO RESET SUCH MONUMENTS, UNLESS OTHERWISE SPECIFIED OR DESIGNATED.
- 19. ALL SEWER PIPES SHALL BE INSTALLED AT STRAIGHT GRADES BETWEEN INVERT ELEVATIONS INDICATED. ALL SEWER AND STORM DRAIN CONNECTIONS SHALL BE MADE WITH WYE'S, TEES SHALL NOT BE USED. ALL PIPES SHALL BE LAID WITH BELL END OF 20. ALL CHANGES IN HORIZONTAL ALIGNMENT OF SEWER PIPE SHALL BE ACCOMPLISHED BY
- USE OF MANUFACTURED FITTINGS AND ELBOWS, AND WHERE ADDITIONALLY NECESSARY, PIPE JOINT DEFLECTIONS WITHIN ALLOWABLE LIMITS PER THE PRODUCT SPECIFICATIONS. 21. ALL WET UTILITY TRENCHES, BEDDING AND BACKFILL SHALL CONFORM TO SECTION 306-1.2.1 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. SUBSTITUTION OF BEDDING MATERIAL SHALL BE APPROVED BY THE PROJECT CIVIL
- 22. THE CONTRACTOR SHALL PERFORM TESTING, FLUSHING AND DISINFECTING OF SYSTEMS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- 23. THE CONTRACTOR SHALL PREPARE A COMPLETE SET OF "AS-BUILT" DRAWINGS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- 24. ALL PIPE SIZE REFERENCES ARE MINIMUM INSIDE DIAMETER SIZE. HORIZONTAL DIMENSIONS SHOWN ON THESE PLANS ARE TO CENTERLINE OF PIPES. 25. NATURAL GAS SERVICE LINES MAY BE INSTALLED IN A COMMON TRENCH WITH WATERLINES IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- 26. DRINKING FOUNTAIN AND IRRIGATION APPURTENANCES SHOWN HEREON ARE APPROXIMATE AND THE CONTRACTOR SHALL REFER TO THE ARCHITECTS AND LANDSCAPE ARCHITECTS
- 27. CLEANOUTS FOR SEWER AND STORM DRAIN UTILITIES SHALL BE INSTALLED PER THE UPC, LATEST EDITION, WHETHER GRAPHICALLY INDICATED OR NOT, AT INTERVALS OF 100 FEET IN STRAIGHT RUNS, OTHERWISE AT EVERY HORIZONTAL AND VERTICAL ANGLE POINT AND AT ALL CHANGES IN PIPE SIZE. ALL OTHER CLEANOUTS SHOWN ON PLAN ARE AS DEEMED NECESSARY BY THE DESIGN ENGINEER AND ARE NOT TO BE OMITTED.
- ACCESSIBILITY NOTES 1. ALL SLOPES IN THE DIRECTION OF TRAVEL SHOWN ON THIS PLAN WERE DESIGNED BELOW THE MAXIMUM ALLOWED GRADES BY THE AMERICANS WITH DISABILITIES ACT ACCESS GUIDE (ADAAG OR CBC) IN ORDER TO ALLOW FOR CONSTRUCTION TOLERANCES. IT IS THE RESPONSIBILITY OF THE CONTRACTORS TO FAMILIARIZE THEMSELVES WITH THE ADAAG AND CBC AND IN THE EVENT THAT A DESIGN QUESTION SHOULD ARISE, OR A FIELD CONDITION PRESENT ITSELF THAT IS DIFFERENT THAN SHOWN ON THESE PLANS. WORK SHOULD CEASE AND THE DESIGN ENGINEER SHALL BE NOTIFIED SO THAT AN
- ACCEPTABLE SOLUTION CAN BE DETERMINED. 2. THE CONTRACTOR IS ADVISED TO CAREFULLY CHECK ALL PHASES OF WORK RELATING TO ACCESSIBILITY FOR THIS PROJECT. SINCE THE CODE DOES NOT ALLOW FOR A CONSTRUCTION TOLERANCE, ANY CONSTRUCTION THAT EXCEEDS MAXIMUM OR MINIMUM DIMENSIONS AND SLOPES AS CALLED OUT BY CBC OR ADAAG ARE SUBJECT TO REJECTION BY THE INSPECTOR AND SHALL BE REMOVED AND REPLACED.
- 3. SINCE THE CIVIL ENGINEER OR SURVEYOR CANNOT CONTROL THE EXACT METHODS OR MEANS USED BY THE GENERAL CONTRACTOR OR THEIR SUB-CONTRACTORS DURING THE GRADING AND CONSTRUCTION OF THE PROJECT. THE CIVIL ENGINEER OR SURVEYOR ASSUMES NO RESPONSIBILITY FOR THE FINAL ACCEPTANCE OF ADAAG RELATED ITEMS OF THIS PROJECT BY THE INSPECTING AUTHORITY OR OTHER AFFECTED PARTIES.
- 4. COMPLIANCE WITH THE CONSTRUCTION REQUIREMENTS FOR ACCESSIBILITY WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND HIS SUB-CONTRACTORS. ASPHALT PAVING GENERAL NOTES
- A PRE-PAVING MEETING IS REQUIRED 48 HOURS PRIOR TO PAVING. THE PROJECT INSPECTOR SHALL BE IN ATTENDANCE.
- THE AGGREGATE BASE SECTION SHALL BE COMPACTED TO A MINIMUM OF 95%OF MAXIMUM DENSITY. MAXIMUM AND FIELD DENSITY TO BE DETERMINED IN ACCORDANCE WITH ASTM D1557-91 MODIFIED. 3. A "TACK COAT" (PAINT BINDER) SHALL BE APPLIED BETWEEN PAVEMENT LAYERS, AND ON EXISTING PAVEMENT TO BE RESURFACED AT A RATE OF 0.10 GAL./SQ.YD. THE TACK
- COAT SHALL BE A TYPE SSI ASPHALT EMULSION. 4. THE ASPHALT CONCRETE FOR PARKING LOTS SHALL BE CLASS C2 AS SPECIFIED IN SECTION 203-6, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST APPROVED EDITION. THE PAVING ASPHALT TO BE MIXED WITH AGGREGATE SHALL CONFORM TO THE PROVISIONS OF SECTION 203-1 AND SHALL BE STEAMED REFINED ASPHALT WITH
- A PERFORMANCE GRADE OF PG-64-10 TO THE SATISFACTION OF THE ENGINEER. ASPHALT CONCRETE PAVEMENT SHALL BE DISTRIBUTED AND SPREAD IN ACCORDANCE WITH SECTION 302-5.5 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. THE MAXIMUM LIFT DURING SPREADING SHALL BE 3" COMPACTED THICKNESS.
- A QUALIFIED PAVING INSPECTOR IS REQUIRED DURING PAVING OPERATIONS AT THE JOB SITE AND AT THE ASPHALT PLANT. ASPHALT TICKETS SHALL BE PROVIDED TO THE 7. ALL ASPHALT AREAS SHALL BE PAVED AT A MINIMUM GRADIENT OF 1.25%.
- PRIVATE ENGINEERS NOTICE TO CONTRACTOR ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH THE "OCCUPATIONAL SAFETY AND HEALTH REGULATIONS" OF THE U.S. DEPARTMENT OF LABOR AND THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS "CONSTRUCTION SAFETY ORDERS." THE CIVIL ENGINEER SHALL NOT BE RESPONSIBLE IN ANY WAY FOR THE CONTRACTORS AND SUBCONTRACTORS COMPLIANCE WITH
- CONTRACTOR FURTHER AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB-SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE CIVIL ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE
- THE EXISTENCE AND APPROXIMATE LOCATIONS OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. THE CIVIL ENGINEER ASSUMES NO LIABILITY AS TO THE EXACT LOCATION OF SAID LINES NOR FOR UTILITY OR IRRIGATION LINES WHOSE LOCATIONS ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY AND IRRIGATION COMPANIES PRIOR TO WORK OF EXCAVATION TO DETERMINE THE EXACT LOCATIONS OF ALL LINES AFFECTING THIS WORK, WHETHER OR NOT SHOWN HEREON, AND FOR ANY DAMAGE OR PROTECTION TO THESE LINES.

#### GRADING CONSTRUCTION NOTES

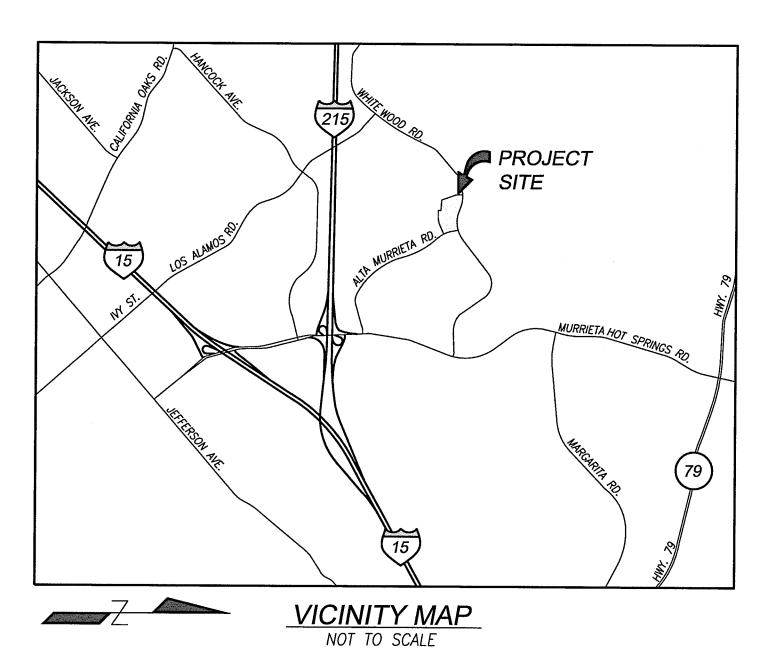
- CONSTRUCT 4" AC OVER 8" CRUSHED AGGREGATE BASE. SUBGRADE AT 95% RELATIVE COMPACTION
- (2) CONSTRUCT O" PCC (560-C-3250) CURB PER DETAIL "A" ON SHEET C6.1. ) CONSTRUCT TYPE "A-6" CURB PER CITY OF MURRIETA STD. NO. 301 ON SHEET C6.1.
- (4) CONSTRUCT TYPE "D" CURB (CASE A) PER CITY OF MURRIETA STD. NO. 305 ON SHEET C6.1 (5) CONSTRUCT 0"-6" PCC (560-C-3250) CURB END PER DETAIL "D" ON SHEET C6.1. 6 CONSTRUCT 4" AC OVER 12" CRUSHED AGGREGATE BASE. SUBGRADE AT 95% RELATIVE
- COMPACTION (7) CONSTRUCT 1.5' WIDENED PCC (560–C–3250) CURB PER DETAIL "H" ON SHEET C6.1 8) FURNISH AND INSTALL PRECAST PCC WHEEL STOP PER DETAIL "B" ON SHEET C6.1. 9) FURNISH AND INSTALL DRAIN PER COMPOSITE UTILITY PLANS ON SHEET C4.1
- SAWCUT. REMOVE AND DISPOSE OF EXISTING SURFACE. CONTRACTOR TO REPLACE EXISTING SURFACE IN KIND. MATCH NEW SURFACE FLUSH TO EXISTING. PAINT, STRIPES, LEGEND, AND SIGNAGE PER ARCHITECT'S PLANS, DETAILS, AND SPECIFICATIONS. 12) SANDBLAST EXISTING PARKING STRIPE.
- 13) PROTECT IN PLACE. CONSTRUCT PCC CURB TRANSITION PER CITY OF MURRIETA STD. NO. 316. (MODIFIED: OMIT FLOWLINE)
- (15) CONSTRUCT 4" PCC ROLLED CURB PER DETAIL "I" ON SHEET C6.1. (16) FURNINSH AND INSTALL FENCING PER ARCHITECT'S PLANS, DETAILS, AND SPECIFICATIONS.

#### UTILITY CONSTRUCTION NOTES STORMDRAIN

- (50) FURNISH & INSTALL 4" SDR 35 PVC STORM DRAIN PIPE. (51) FURNISH & INSTALL 6" SDR 35 PVC STORM DRAIN PIPE.
- (52) FURNISH & INSTALL 8" SDR 35 PVC STORM DRAIN PIPE. FURNISH & INSTALL PERFORATED 6" SDR 35 PVC STORM DRAIN PIPE, SEE VEGETATED SWALE DETAIL ON SHEET C6.1 FOR MORE INFORMATION. (54) FURNISH & INSTALL 12" BROOKS PRECAST DRAIN BOX PER DETAIL "C" ON SHEET C6.1.
- (55) FURNISH & INSTALL STORM DRAIN CLEANOUT PER DETAIL "G" ON SHEET C6.1. FURNISH & INSTALL 12" J&J DRAINAGE PRODUCTS FLARED END SECTION OR CIVIL ENGINEER APPROVED EQUAL. ON SHEET C6.1. (57) PROTECT IN PLACE SHEET INDEX

	SHEETINDEX	
SHEET No.	DESCRIPTION	No.
C1.1	TITLE SHEET	1
C2.1	TOPOGRAPHIC MAP	2
C2.2	TOPOGRAPHIC MAP	3
C2.3	TOPOGRAPHIC MAP	4
C2.4	TOPOGRAPHIC MAP	5
C3.1	PRECISE GRADING	6
C4.1	COMPOSITE UTILITIES	7
C5.1	HORIZONTAL CONTROL	8
C6.1	DETAILS	9

#### LEGEND: ASPHALT TO CONCRETE PROPOSED CATCH BASIN AMERICAN DISABILITIES ACT PROPOSED CLEANOUT BACK FLOW DEVICE PROPOSED WATER VALVE CHAIN LINK FENCE CLEAN OUT CONC CONCRETE DOUBLE CHECK DETECTOR ASSEMBLY DCDA EXISTING STREET LIGHT ELECTRIC EDGE OF CONCRETE EXISTING VALVE EDGE OF PAVEMENT FINISHED FLOOR EXISTING UTILITY VAULT FINISHED GROUND FIRF HYDRANT EGDE OF PAVEMENT FLOWLINE FIRE DEPARTMENT CONNECTION GRADED SWALE FINISHED SURFACE EDGE OF CONCRETE HIGH POINT PROPOSED MAJOR CONTOUR INVERT (SEWER) INVERT (SD) PROPOSED MINOR CONTOUR PLANTER AREA POST INDICATOR VALVE <del>-</del>O-----GRADING LIMITS POWER POLE EXISTING STORM DRAIN LINE ————SD——— SIDEWAI K TOP OF BERN -----SD----- PROPOSED STORM DRAIN LINE TOP OF CURB TOP OF FOOTING EXISTING FENCE TOP OF GRATE PROPOSED CHAINLINK FENCE TOP OF PAVEMENT TOP OF WALL \_\_\_\_\_ UTILITY — — — PUBLIC UTILITY EASEMENT WATER METER PROPOSED TOP OF CURB WATER VALVE EXISTING MANHOLE PROPOSED BACK OF CURB PROPOSED MANHOLE EXISTING POWER POLE EXISTING PCC EXISTING SIGN EXISTING TREE EXISTING FIRE HYDRANT PROPOSED PCC PROPOSED FIRE HYDRANT PROPOSED ASPHALTIC PAVEMENT



## ALTA MURRIETA ELEMENTARY SCHOOL SEE SHEET SEE SHEET SEE SHEET WHITEWOOD ROAD SEE SHEETS C3.1, C4.1, & C5.1 INDEX MAP

PROPOSED MEDIA SOIL



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MURRIETA VALLEY UNIFIED SCHOOL

ALTA MURRIETA ELEMENTARY

SCHOOL PARKING EXPANSION

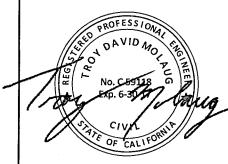
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APPL# 04-115979 AC \_\_\_\_\_F/LS \_\_\_\_ SS \_ DATE: APR 1 2 2017

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DIVISION OF THE STATE ARCHITECT

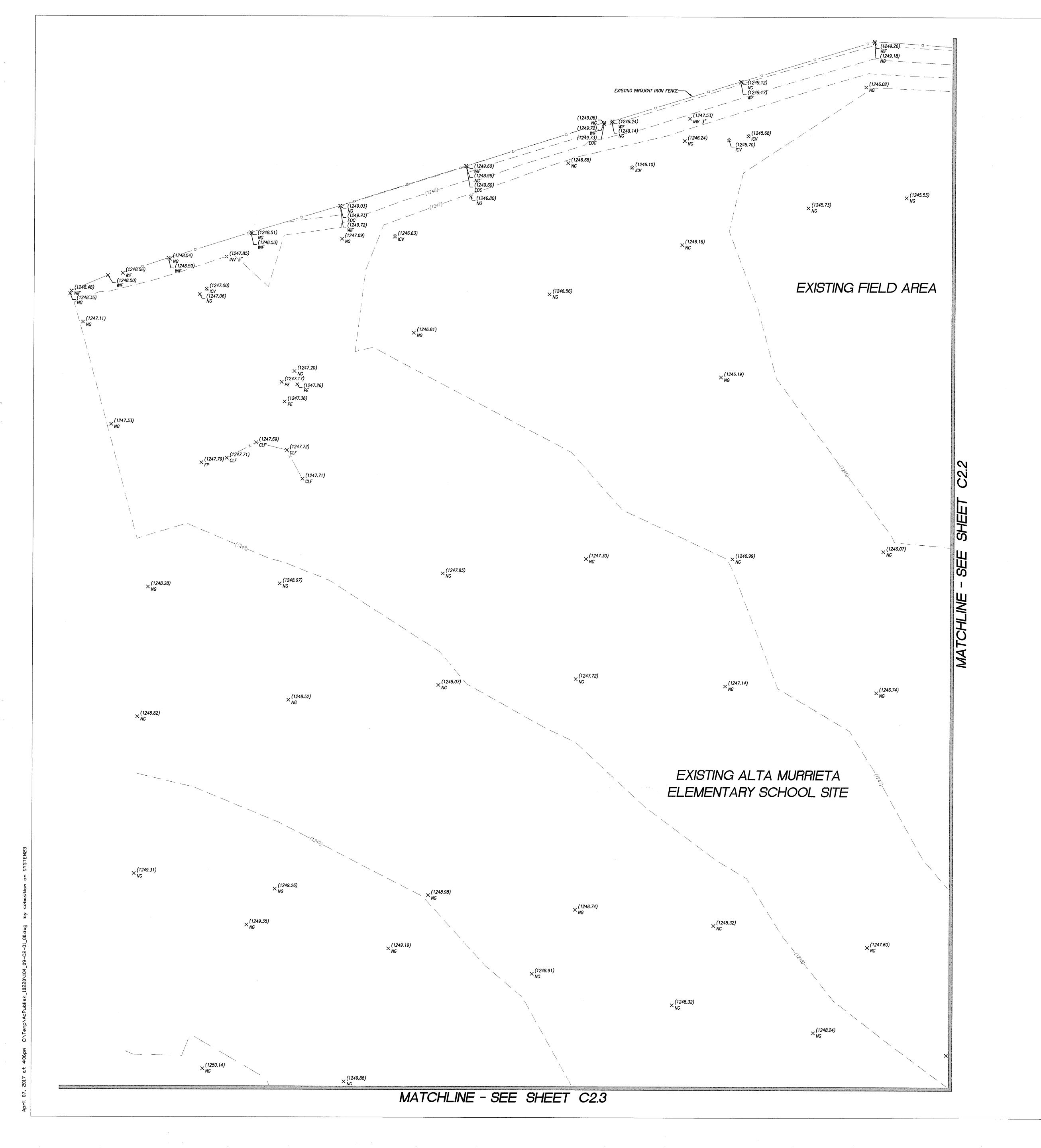
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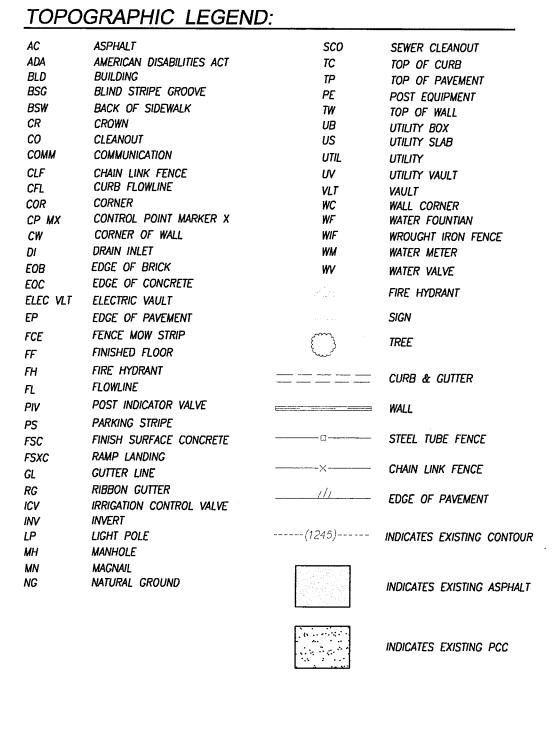
NO. DATE

PROJECT NO:

DRAWING

4/1/2017





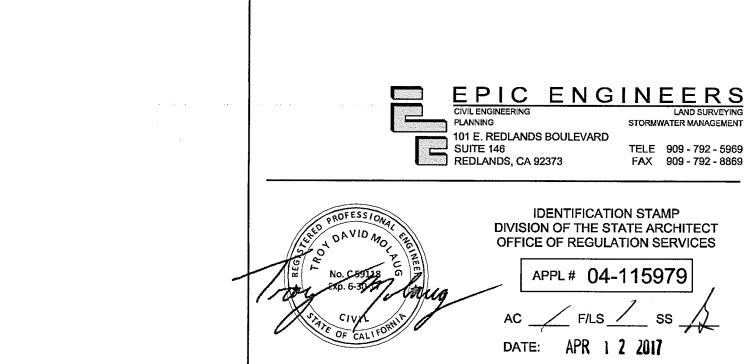
GENERAL NOTES: THE FIELD TOPOGRAPHY SHOWN HEREON WAS COMPILED BY FIELD SURVEY PERFORMED ON 12/05/16 BY EPIC ENGINEERS. BENCHMARK: BENCHMARK: BM NUMBER NO. T-54-81 ELEV: 1278.08'

HORIZONTAL DATUM: CSPCS ZONE 6, NAD83 AS ESTABLISHED BY GPS USING CALVRS. VERTICAL DATUM: NGVD29 **BASIS OF BEARINGS:** 

BENCHMARK: VERTICAL CONTROL ESTABLISHED RIVERSIDE COUNTY BENCHMARK T-54-81 BASIS OF BEARINGS: BASIS OF BEARINGS IS S 62°23'26" E USING CONTROL POINTS 1 & 2

BENCHMARK VERTICAL CONTROL ESTABLISHED USING RIVERSIDE CO BENCHMARK T-54-81

<del></del>		·	
	HORIZO	NTAL C	ONTROL TABLE
POINT #	NORTHING	EASTING	DESCRIPTION
1	2151152.41	6281990.43	SET MN IN FSC JOINT CAL VRS
2	2151113.55	6282064.74	SET MN CP IN FSC JOINT
5	2151238.86	6282179.49	FD MN AND WASHER LS 5411
6	2150621.56	6282120.83	FD GEAR SPIKE AND WASHER LS 5411
7	2155451.86	6281204.60	FD BM T-54-81 BRC



TOPOGRAPHIC MAP

Baker Nowicki designstudio

MURRIETA VALLEY UNIFIED SCHOOL

**ALTA MURRIETA ELEMENTARY** 

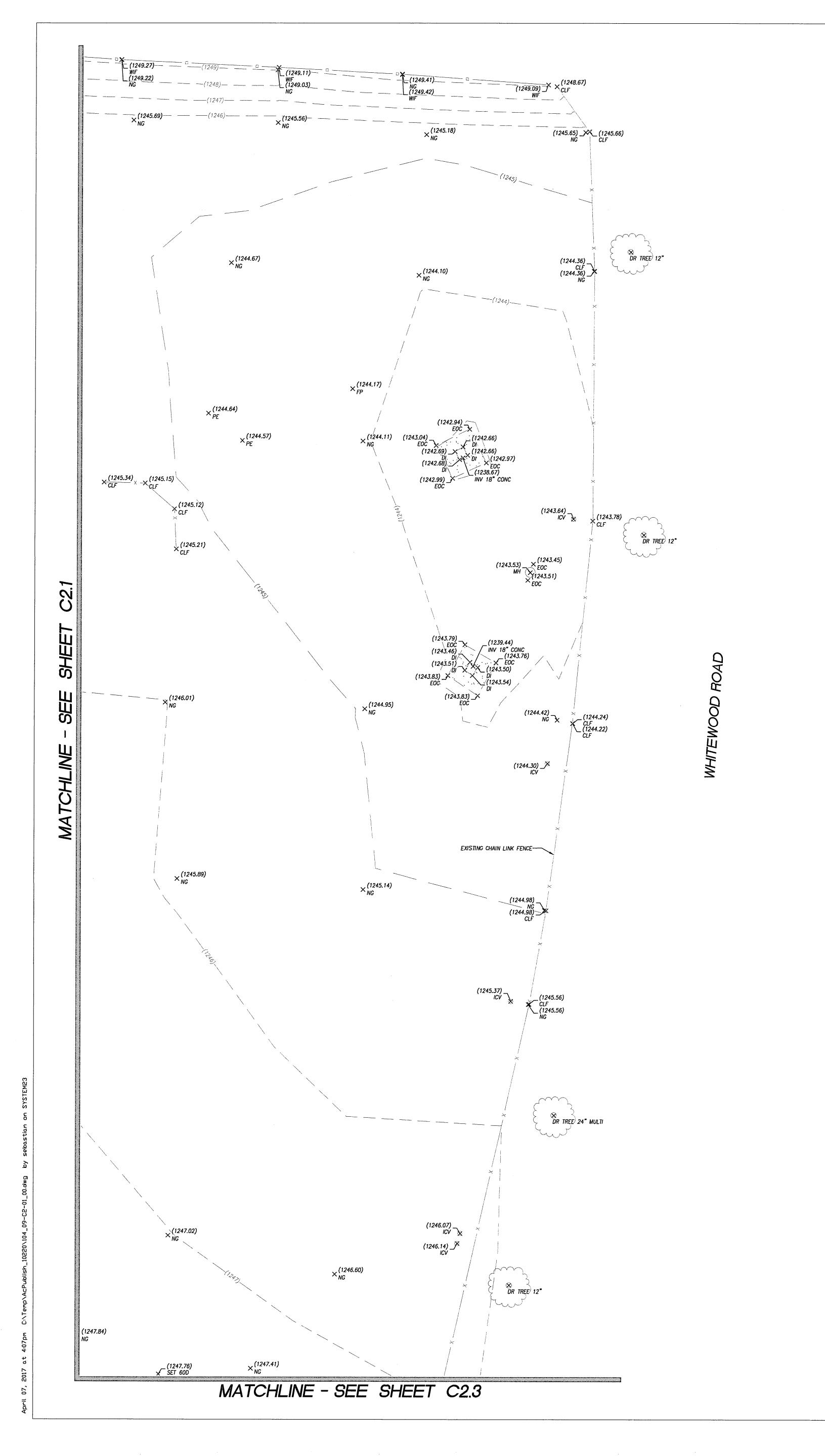
SCHOOL PARKING EXPANSION

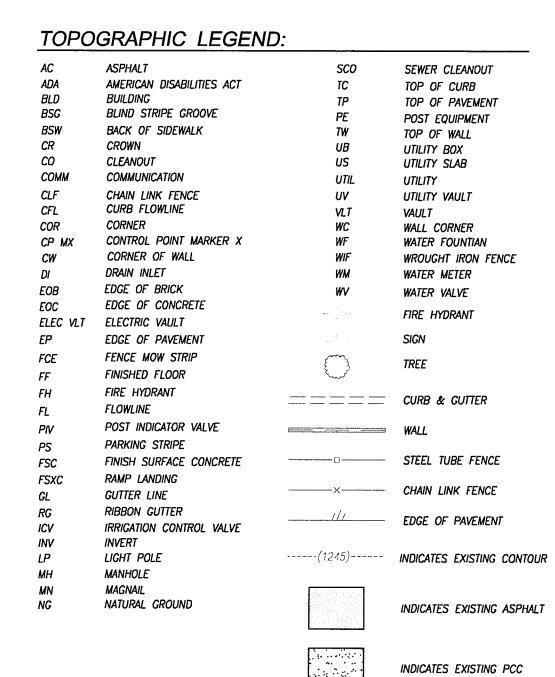
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C2.1





GENERAL NOTES:

THE FIELD TOPOGRAPHY SHOWN HEREON WAS COMPILED BY FIELD SURVEY PERFORMED ON 12/05/16 BY EPIC ENGINEERS.

BENCHMARK:

BENCHMARK: BM NUMBER NO. T-54-81 ELEV: 1278.08'
BENCHMARK VERTICAL CONTROL ESTABLISHED USING RIVERSIDE CO BENCHMARK T-54-81
HORIZONTAL DATUM: CSPCS ZONE 6, NAD83 AS ESTABLISHED BY GPS USING CALVRS.

VERTICAL DATUM: NGVD29

BASIS OF BEARINGS:

BENCHMARK: VERTICAL CONTROL ESTABLISHED RIVERSIDE COUNTY BENCHMARK T-54-81 BASIS OF BEARINGS: BASIS OF BEARINGS IS S 62°23'26" E USING CONTROL POINTS 1 & 2

!	HORIZO	NTAL C	CONTROL TABLE
POINT #	NORTHING	EASTING	DESCRIPTION
1	2151152.41	6281990.43	SET MN IN FSC JOINT CAL VRS
2	2151113.55	6282064.74	SET MN CP IN FSC JOINT
5	2151238.86	62821 <i>7</i> 9.49	FD MN AND WASHER LS 5411
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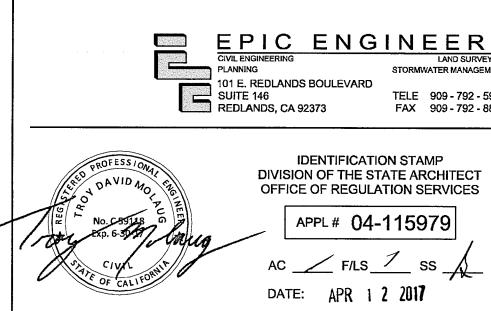
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MURRIETA VALLEY UNIFIED SCHOOL

DISTRICT

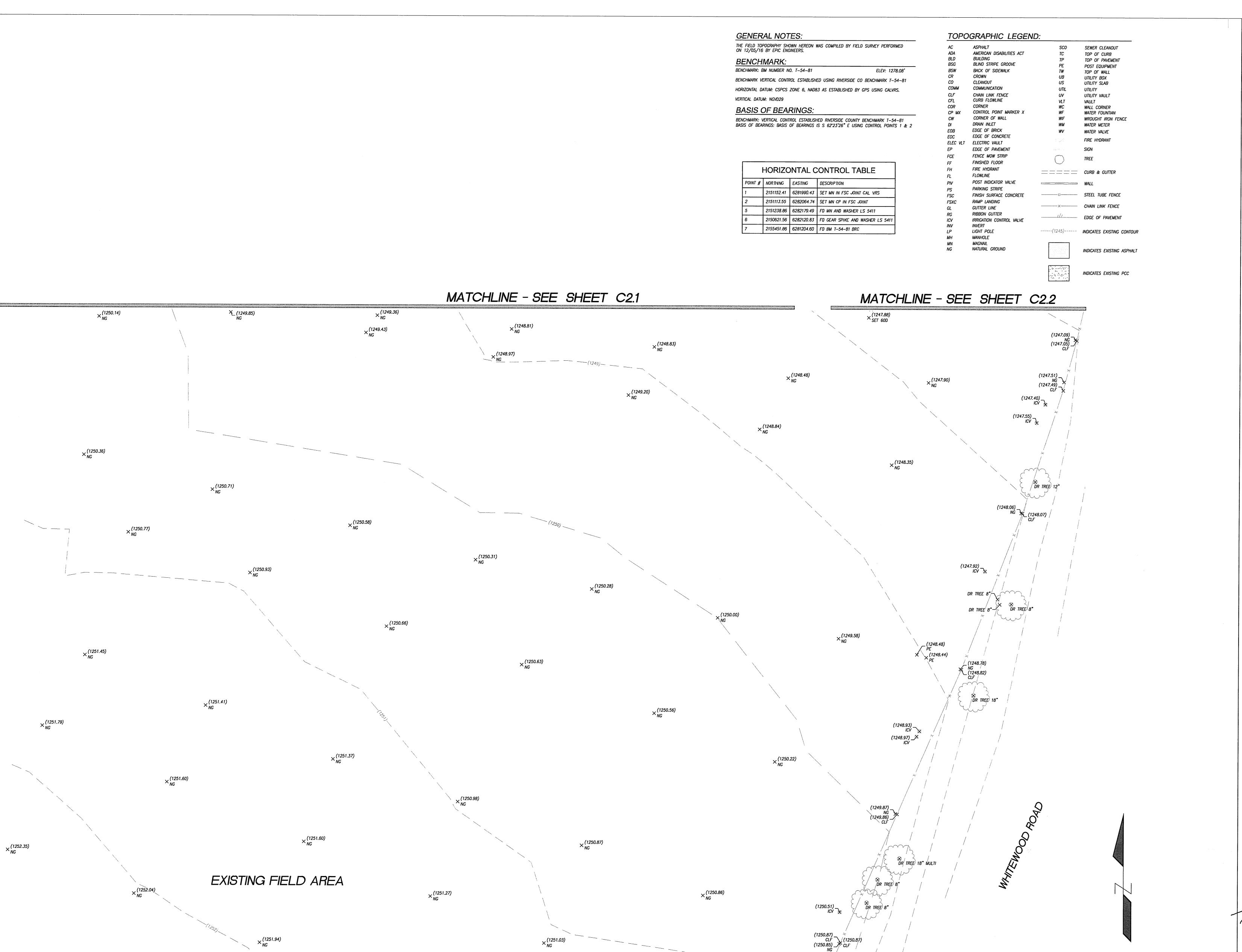
ALTA MURRIETA ELEMENTARY SCHOOL PARKING EXPANSION



TOPOGRAPHIC MAP

NO. DATE ISSUE

PROJECT NO: 160



×(1251.11) NG

MATCHLINE - SEE SHEET C2.4

 $\times_{NG}^{(1251.44)}$ 

×(1252.37) SET 60D

 $\times_{NG}^{(1252.91)}$ 

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MURRIETA VALLEY UNIFIED SCHOOL DISTRICT ALTA MURRIETA ELEMENTARY

SCHOOL PARKING EXPANSION

EPIC ENGINEERS

CIVIL ENGINEERING
PLANNING
101 E. REDLANDS BOULEVARD
SUITE 146
REDLANDS, CA 92373
FAX 909 - 792 - 8869



IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES

APPL # 04-115979

AC \_\_\_\_\_ F/LS \_\_\_ SS
DATE: APR | 2 2017

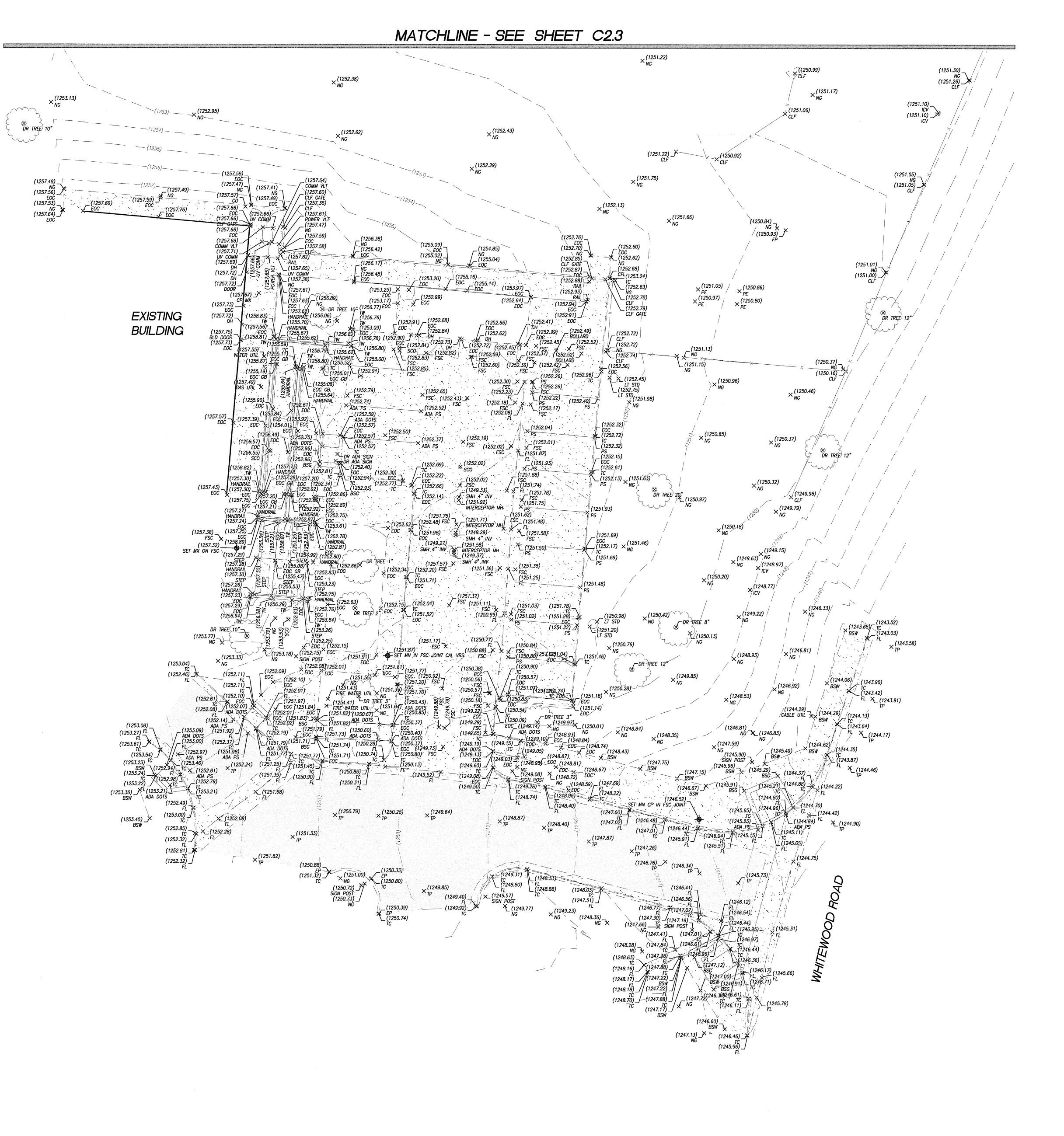
TOPOGRAPHIC MAP

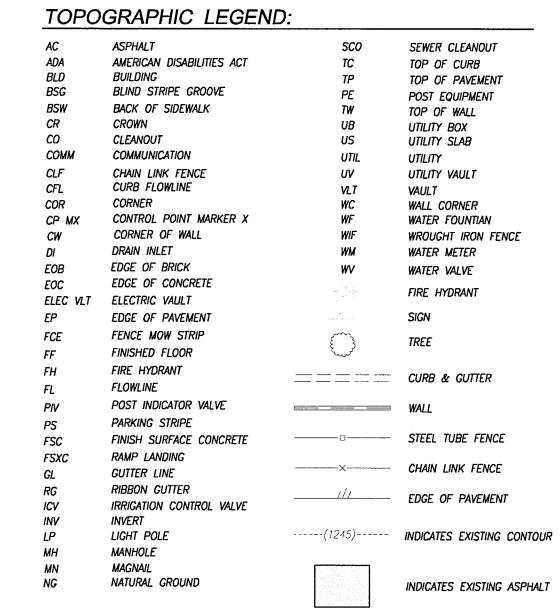
NO. DATE ISSUE

PROJECT NO:

TE: 4/1/2017 DRAWING

C2.3





GENERAL NOTES:

THE FIELD TOPOGRAPHY SHOWN HEREON WAS COMPILED BY FIELD SURVEY PERFORMED ON 12/05/16 BY EPIC ENGINEERS.

INDICATES EXISTING PCC

BENCHMARK:

BENCHMARK: BM NUMBER NO. T-54-81 ELEV: 1278.08'

BENCHMARK VERTICAL CONTROL ESTABLISHED USING RIVERSIDE CO BENCHMARK T-54-81

HORIZONTAL DATUM: CSPCS ZONE 6, NAD83 AS ESTABLISHED BY GPS USING CALVRS.

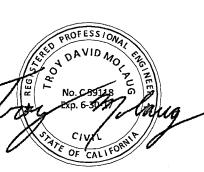
VERTICAL DATUM: NGVD29

BASIS OF BEARINGS:

BENCHMARK: VERTICAL CONTROL ESTABLISHED RIVERSIDE COUNTY BENCHMARK T-54-81 BASIS OF BEARINGS: BASIS OF BEARINGS IS S 62°23'26" E USING CONTROL POINTS 1 & 2

	HORIZO	NTAL C	ONTROL TABLE
POINT #	NORTHING	EASTING	DESCRIPTION
1	2151152.41	6281990.43	SET MN IN FSC JOINT CAL VRS
2	2151113.55	6282064.74	SET MN CP IN FSC JOINT
5	2151238.86	6282179.49	FD MN AND WASHER LS 5411
6	2150621.56	6282120.83	FD GEAR SPIKE AND WASHER LS 5411
7	2155451.86	6281204.60	FD BM T-54-81 BRC
	<u> </u>		•





DIVISION OF THE STATE ARCHITECTOR OFFICE OF REGULATION SERVICE

APPL # 04-115979

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MURRIETA VALLEY UNIFIED SCHOOL

ALTA MURRIETA ELEMENTARY

SCHOOL PARKING EXPANSION

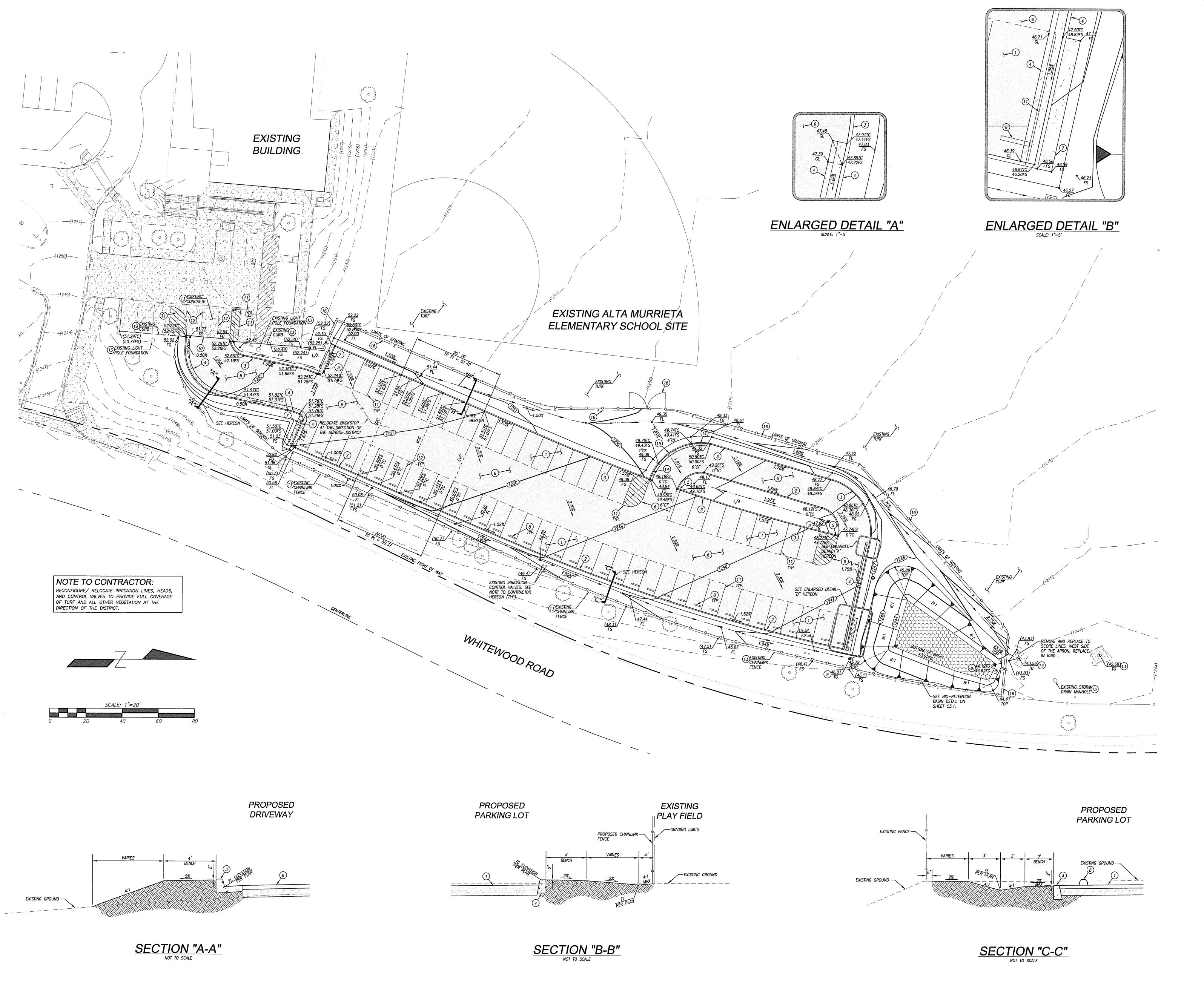
DISTRICT

TOPOGRAPHIC MAP

NO. DATE ISSUE

PROJECT NO: 16041-00 DATE: 4/1/2017

C2.4



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MURRIETA VALLEY UNIFIED SCHOOL DISTRICT

ALTA MURRIETA ELEMENTARY SCHOOL PARKING EXPANSION

#### GRADING CONSTRUCTION NOTES

- CONSTRUCT 4" AC OVER 8" CRUSHED AGGREGATE BASE. SUBGRADE AT 95% RELATIVE COMPACTION
- (2) CONSTRUCT O" PCC (560-C-3250) CURB PER DETAIL "A" ON SHEET C6.1.

- SAWCUT, REMOVE AND DISPOSE OF EXISTING SURFACE. CONTRACTOR TO REPLACE EXISTING SURFACE IN KIND. MATCH NEW SURFACE FLUSH TO EXISTING.

  PAINT, STRIPES, LEGEND, AND SIGNAGE PER ARCHITECT'S PLANS, DETAILS, AND SPECIFICATIONS.

  SANDBLAST EXISTING PARKING STRIPE.

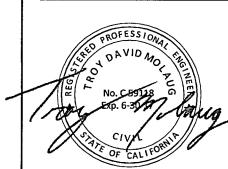
- 13) PROTECT IN PLACE.
- (15) CONSTRUCT 4" PCC ROLLED CURB PER DETAIL "I" ON SHEET C6.1.
  (16) FURNINSH AND INSTALL FENCING PER ARCHITECT'S PLANS, DETAILS, AND SPECIFICATIONS.

EPIC ENG

CIVIL ENGINEERING
PLANNING

101 E. REDLANDS BOULEVARD
SUITE 146
REDLANDS, CA 92373 EPIC ENGINEERS
CIVIL ENGINEERING

LAND SURVEYING

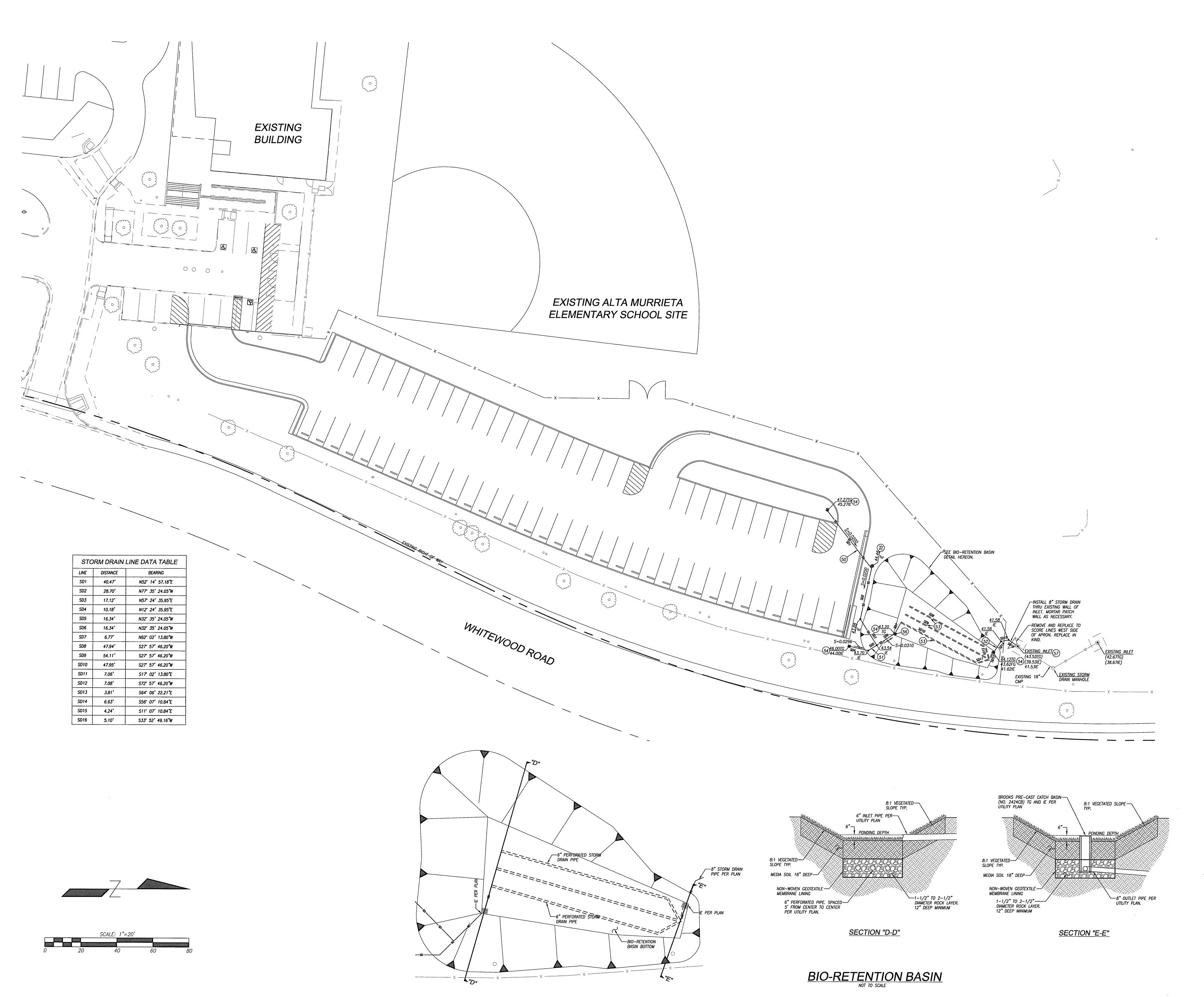


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PRECISE GRADING

4/1/2017

DRAWING C3.1



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MURRIETA VALLEY UNIFIED SCHOOL

DISTRICT ALTA MURRIETA ELEMENTARY SCHOOL PARKING EXPANSION

#### UTILITY CONSTRUCTION NOTES

50 FURNISH & INSTALL 4" SDR 35 PVC STORM DRAIN PIPE.

(51) FURNISH & INSTALL 6" SDR 35 PVC STORM DRAIN PIPE.

(52) FURNISH & INSTALL 8" SDR 35 PVC STORM DRAIN PIPE.

53 FURNISH & INSTALL PERFORATED 6" SDR 35 PVC STORM DRAIN PIPE, SEE VEGETATED SWALE DETAIL ON SHEET C6.1 FOR MORE INFORMATION.

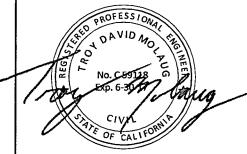
(54) FURNISH & INSTALL 12" BROOKS PRECAST DRAIN BOX PER DETAIL "C" ON SHEET C6.1.

55) FURNISH & INSTALL STORM DRAIN CLEANOUT PER DETAIL "G" ON SHEET C6.1.

56 FURNISH & INSTALL 12" J&J DRAINAGE PRODUCTS FLARED END SECTION OR CIVIL ENGINEER APPROVED EQUAL. ON SHEET C6.1.

(57) PROTECT IN PLACE





IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT DATE: APR 1 2 2017

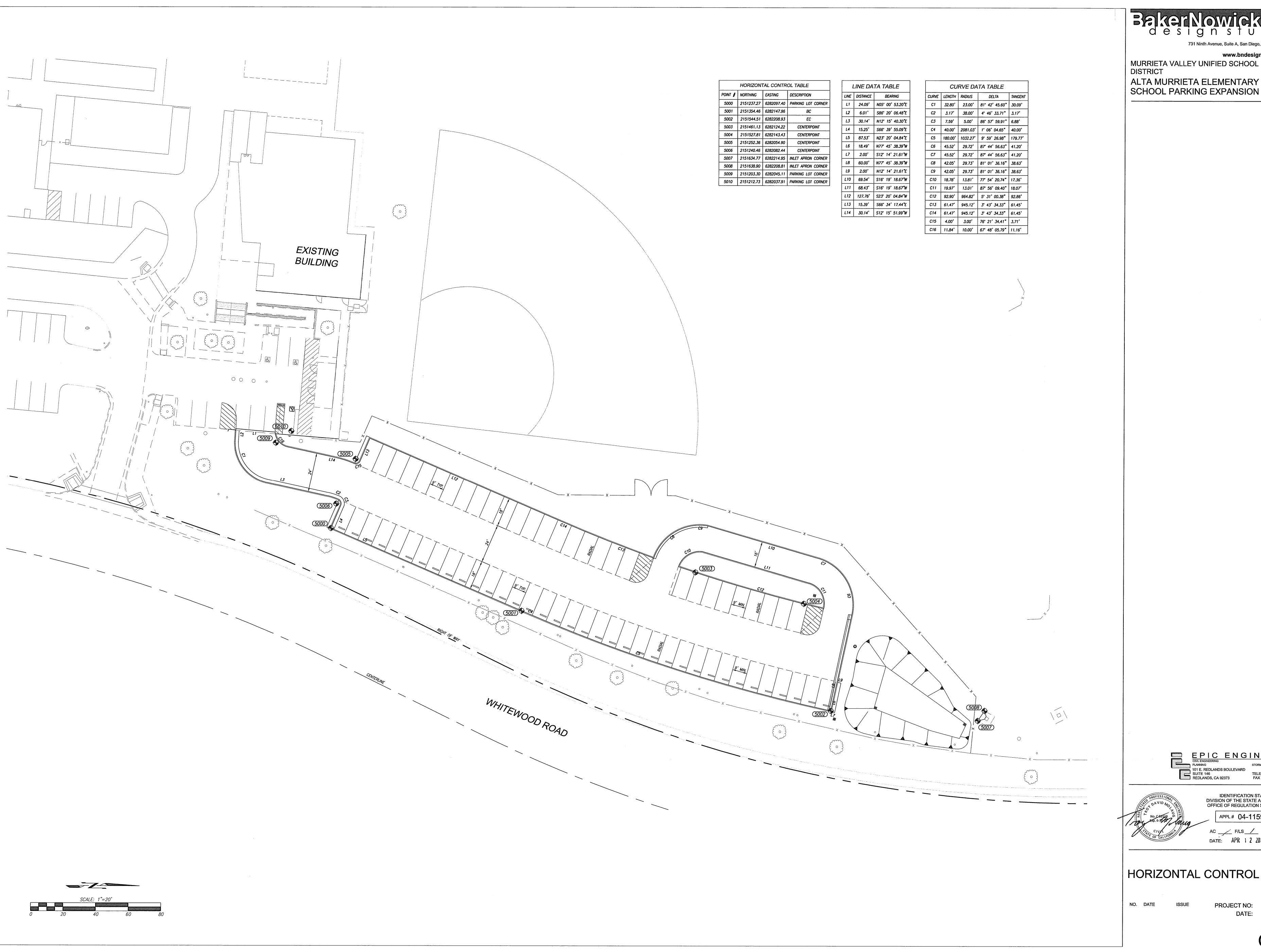
#### COMPOSITE UTILITIES

NO. DATE

PROJECT NO:

4/1/2017 DRAWING

C4.1



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MURRIETA VALLEY UNIFIED SCHOOL

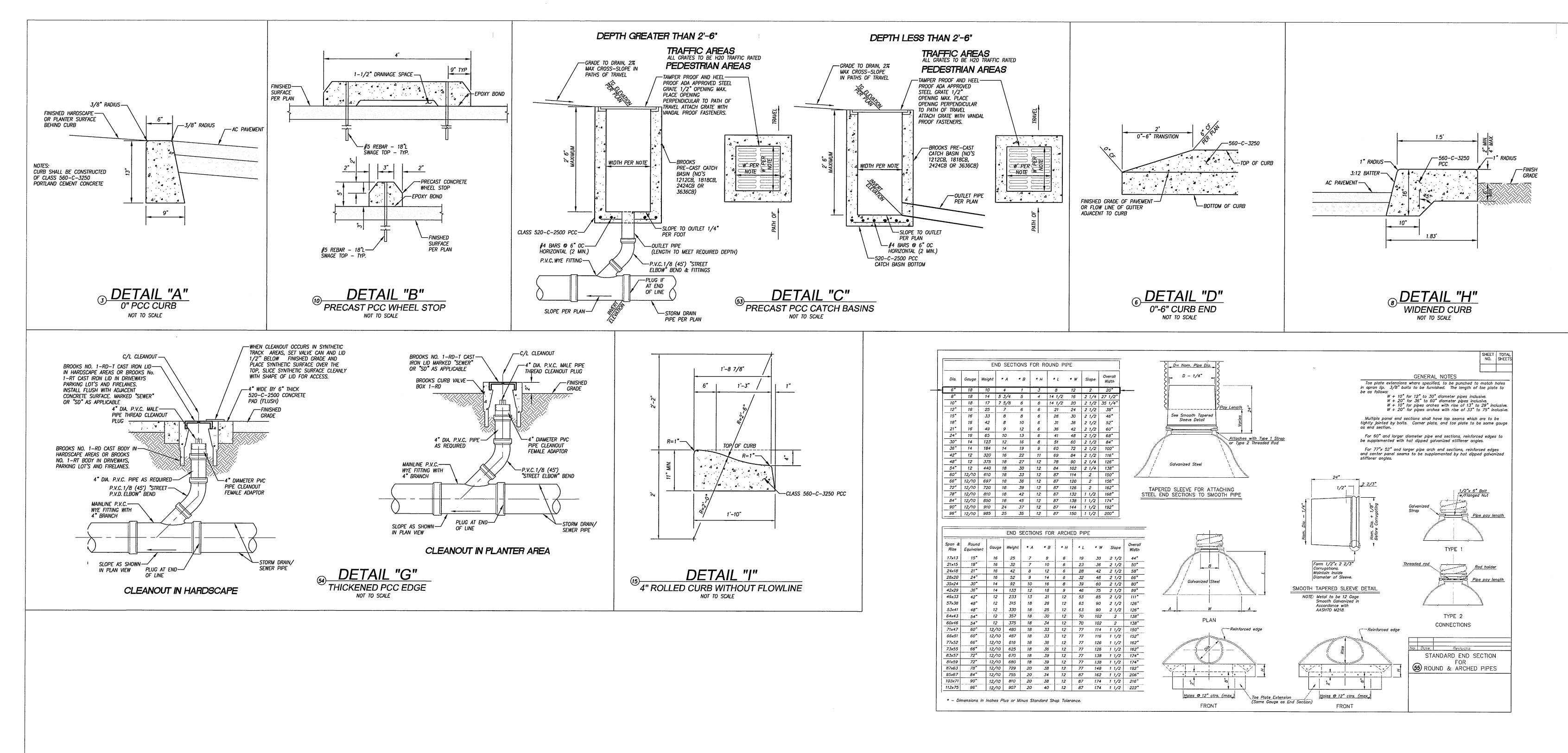
SCHOOL PARKING EXPANSION

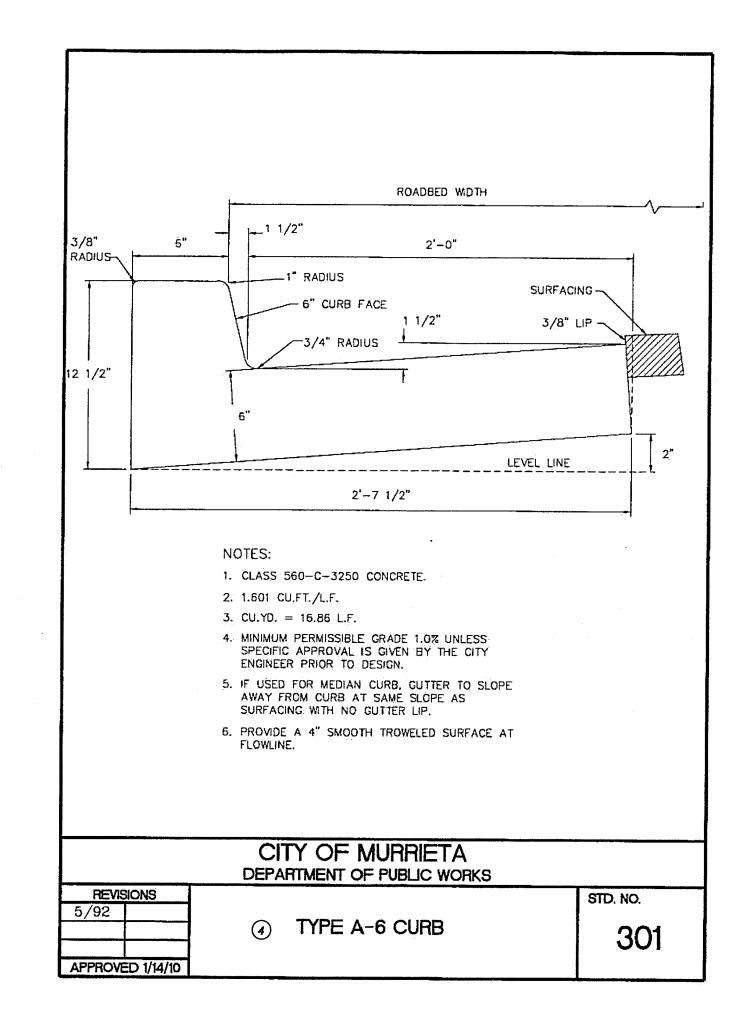


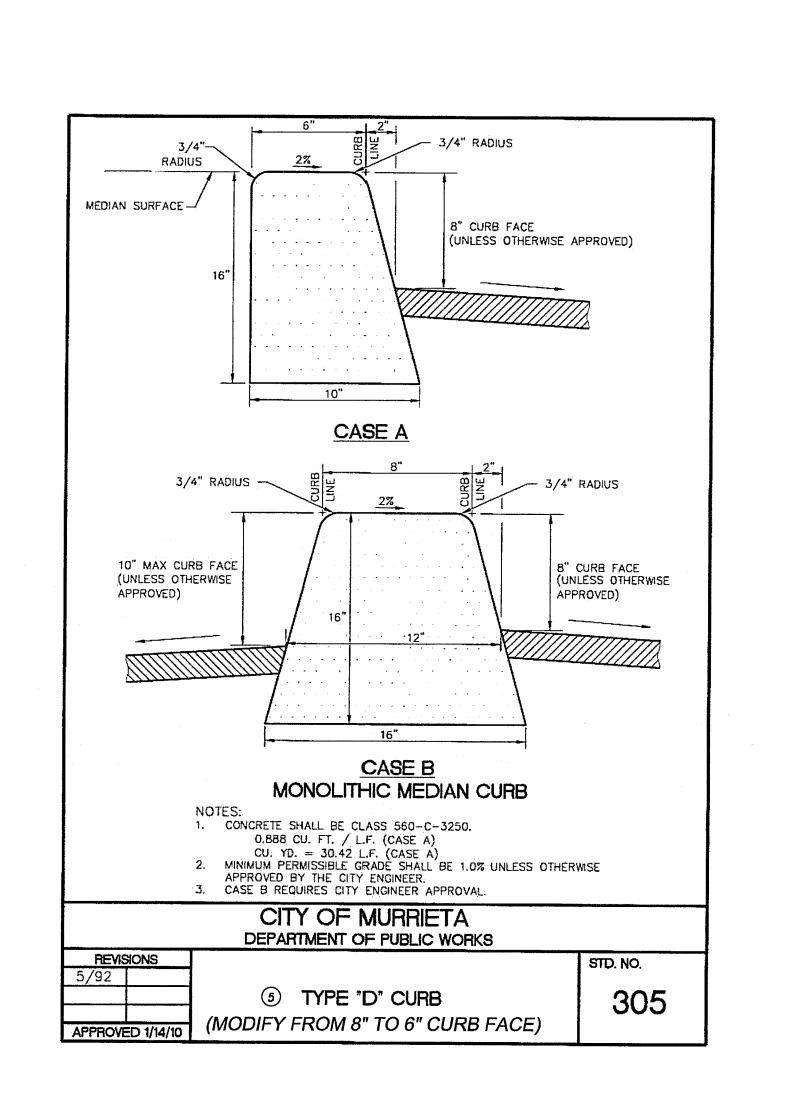
IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES APPL# 04-115979

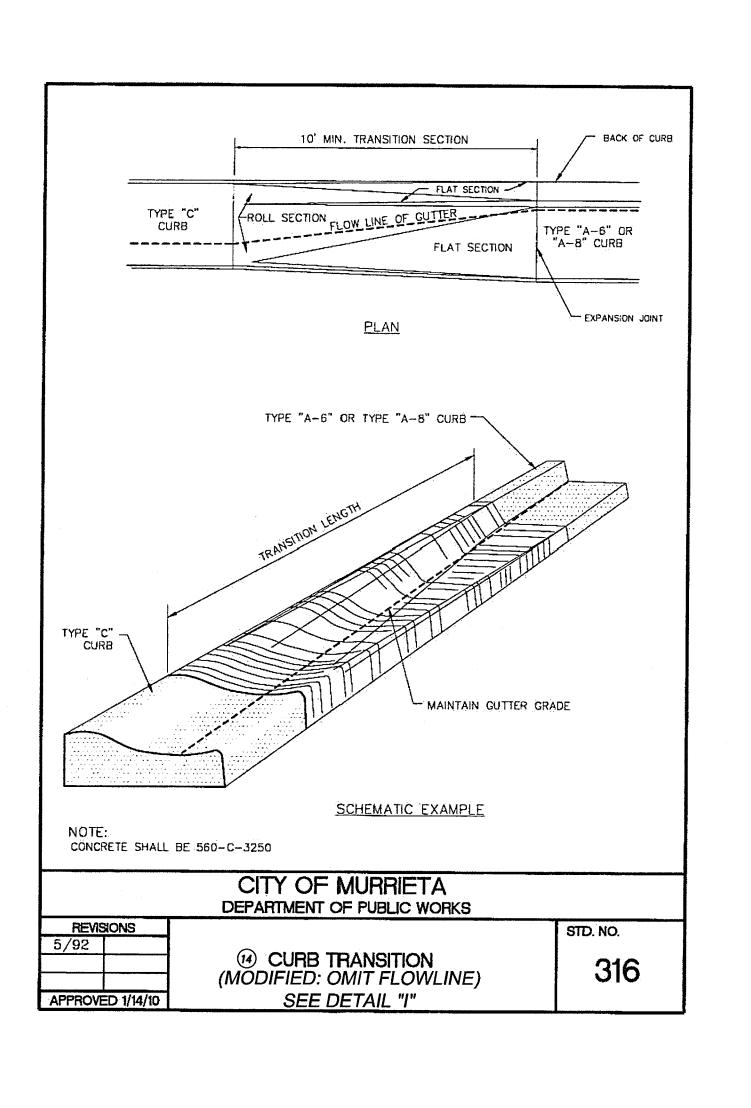
HORIZONTAL CONTROL

C5.1









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MURRIETA VALLEY UNIFIED SCHOOL

**ALTA MURRIETA ELEMENTARY** SCHOOL PARKING EXPANSION

#### **GRADING CONSTRUCTION NOTES**

CONSTRUCT 4" AC OVER 8" CRUSHED AGGREGATE BASE. SUBGRADE AT 95% RELATIVE COMPACTION (2) CONSTRUCT O" PCC (560-C-3250) CURB PER DETAIL "A" ON SHEET C6.1.

(3) CONSTRUCT TYPE "A-6" CURB PER CITY OF MURRIETA STD. NO. 301 ON SHEET C6.1. (4) CONSTRUCT TYPE "D" CURB (CASE A) PER CITY OF MURRIETA STD. NO. 305 ON SHEET C6 (5) CONSTRUCT 0"-6" PCC (560-C-3250) CURB END PER DETAIL "D" ON SHEET C6.1. 6 CONSTRUCT 4" AC OVER 12" CRUSHED AGGREGATE BASE. SUBGRADE AT 95% RELATIVE

(7) CONSTRUCT 1.5' WIDENED PCC (560-C-3250) CURB PER DETAIL "H" ON SHEET C6.1 (8) FURNISH AND INSTALL PRECAST PCC WHEEL STOP PER DETAIL "B" ON SHEET C6.1.

(9) FURNISH AND INSTALL DRAIN PER COMPOSITE UTILITY PLANS ON SHEET C4.1 SAWCUT, REMOVE AND DISPOSE OF EXISTING SURFACE. CONTRACTOR TO REPLACE EXISTING SURFACE IN KIND. MATCH NEW SURFACE FLUSH TO EXISTING. PAINT, STRIPES, LEGEND, AND SIGNAGE PER ARCHITECT'S PLANS, DETAILS, AND SPECIFICATIONS.

(12) SANDBLAST EXISTING PARKING STRIPE. (13) PROTECT IN PLACE.

CONSTRUCT PCC CURB TRANSITION PER CITY OF MURRIETA STD. NO. 316. (MODIFIED: OMIT FLOWLINE) (15) CONSTRUCT 4" PCC ROLLED CURB PER DETAIL "I" ON SHEET C6.1.

(16) FURNINSH AND INSTALL FENCING PER ARCHITECT'S PLANS, DETAILS, AND SPECIFICATIONS.

#### UTILITY CONSTRUCTION NOTES STORMDRAIN

(50) FURNISH & INSTALL 4" SDR 35 PVC STORM DRAIN PIPE.

(51) FURNISH & INSTALL 6" SDR 35 PVC STORM DRAIN PIPE. (52) FURNISH & INSTALL 8" SDR 35 PVC STORM DRAIN PIPE.

FURNISH & INSTALL PERFORATED 6" SDR 35 PVC STORM DRAIN PIPE, SEE VEGETATED SWALE DETAIL ON SHEET C6.1 FOR MORE INFORMATION.

(54) FURNISH & INSTALL 12" BROOKS PRECAST DRAIN BOX PER DETAIL "C" ON SHEET C6.1.

(55) FURNISH & INSTALL STORM DRAIN CLEANOUT PER DETAIL "G" ON SHEET C6.1. FURNISH & INSTALL 12" J&J DRAINAGE PRODUCTS FLARED END SECTION OR CIVIL ENGINEER APPROVED EQUAL. ON SHEET C6.1.

(57) PROTECT IN PLACE

EPIC ENG

CIVIL ENGINEERING
PLANNING

101 E. REDLANDS BOULEVARD
SUITE 146
REDLANDS, CA 92373



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**DETAILS** 

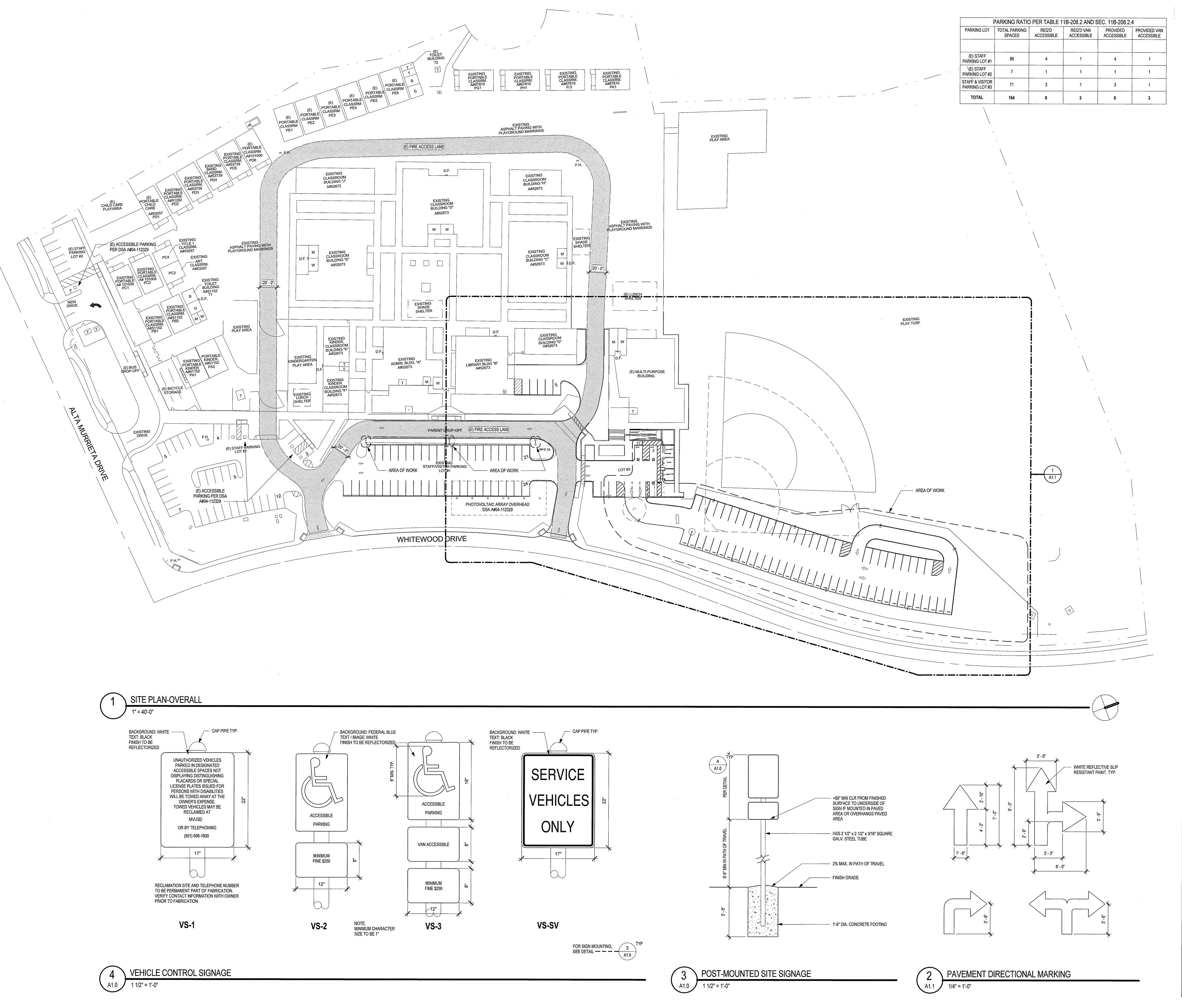
NO. DATE

ISSUE

PROJECT NO: 16041-00

DATE: 4/1/2017 DRAWING

C6.1



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MURRIETA VALLEY UNIFIED SCHOOL

ALTA MURRIETA ELEMENTARY SCHOOL PARKING EXPANSION

KEYNOTES

LEGEND (E) LANDSCAPE (E) LANDSCAPE - TURF ASPHALT - 321216

#### GENERAL NOTES

- 1:12 MAX. SLOPE FOR A CURVED RAMP IS MEASURED AT FACE OF GUIDECURB/GUIDERAIL ON THE TIGHTER CURVATURE SIDE.
- SEE 4/A1.0 FOR SITE SIGNAGE DETAILS.
  REFER TO CIVIL SHEETS FOR ALL SLOPES, ELEVATIONS, AND HORIZONTAL
- CONTROL DIMENSIONS.
- SEE ELECTRICAL SHEETS FOR SITE LIGHTING
   SEE CIVIL SHEET C6.1 FOR CURB TYPES AND DETAILS



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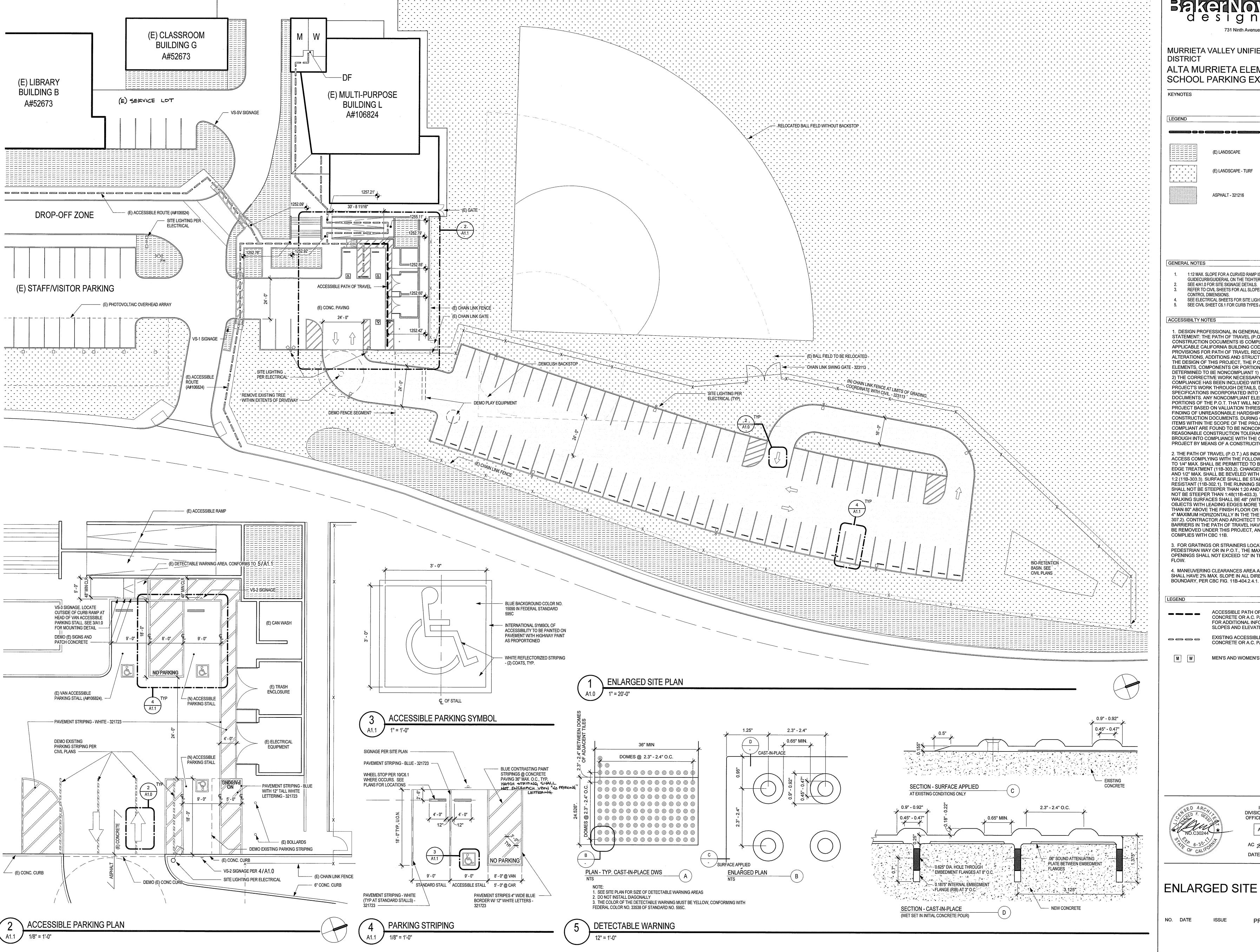
DATE: APR 1 2 2017

**OVERALL SITE PLAN** 

NO. DATE

PROJECT NO: 16041-00 4/1/2017 DATE:

A1.0



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MURRIETA VALLEY UNIFIED SCHOOL

**ALTA MURRIETA ELEMENTARY** SCHOOL PARKING EXPANSION

**KEYNOTES** 

(E) LANDSCAPE

(E) LANDSCAPE - TURF

ASPHALT - 321216

GENERAL NOTES

1:12 MAX. SLOPE FOR A CURVED RAMP IS MEASURED AT FACE OF GUIDECURB/GUIDERAIL ON THE TIGHTER CURVATURE SIDE. SEE 4/A1.0 FOR SITE SIGNAGE DETAILS. REFER TO CIVIL SHEETS FOR ALL SLOPES, ELEVATIONS, AND HORIZONTAL CONTROL DIMENSIONS.

SEE ELECTRICAL SHEETS FOR SITE LIGHTING SEE CIVIL SHEET C6.1 FOR CURB TYPES AND DETAILS

ACCESSIBILTY NOTES

STATEMENT: THE PATH OF TRAVEL (P.O.T.) IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGH INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCITON CHANGE DOCUMENT.

2. THE PATH OF TRAVEL (P.O.T.) AS INDICATED IS A BARRIER FREE ACCESS COMPLYING WITH THE FOLLOWING: CHANGES IN LEVEL UP TO 1/4" MAX. SHALL BE PERMITTED TO BE VERTICAL AND WITHOUT EDGE TREATMENT (11B-303.2). CHANGES IN LEVEL BETWEEN 1/4" AND 1/2" MAX. SHALL BE BEVÉLED WITH A SLOPE NOT STEEPER THAN 1:2 (11B-303.3). SURFACE SHALL BE STABLE, FIRM AND SLIP RESISTANT (11B-302.1). THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20 AND THE CROSS SLOPE SHALL NOT BE STEEPER THAN 1:48(11B-403.3). THE CLEAR WIDTH OF WALKING SURFACES SHALL BE 48" (WITH EXCEPTIONS) (11B-403.5.1). OBJECTS WITH LEADING EDGES MORE THAN 27" AND NOT MORE THAN 80" ABOVE THE FINISH FLOOR OR GROUND SHALL PROTRUDE 4" MAXIMUM HORIZONTALLY IN THE THE CIRCULATION PATH (11B-307.2). CONTRACTOR AND ARCHITECT TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT, AND PATH OF TRAVEL COMPLIES WITH CBC 11B.

3. FOR GRATINGS OR STRAINERS LOCATED IN THE SURFACE OF ANY PEDESTRIAN WAY OR IN P.O.T., THE MAXIMUM GRATE OR STRAINER OPENINGS SHALL NOT EXCEED 1/2" IN THE DIRECTION OF TRAFFIC

4. MANEUVERING CLEARANCES AREA AT ALL ACCESSIBLE GATES SHALL HAVE 2% MAX. SLOPE IN ALL DIRECTIONS WITHIN DASHED

ACCESSIBLE PATH OF TRAVEL 4'-0" WIDE MIN. CONCRETE OR A.C. PAVED. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION ON MATERIAL, SLOPES AND ELEVATIONS.

EXISTING ACCESSIBLE PATH OF TRAVEL 4'-0" WIDE MIN. CONCRETE OR A.C. PAVED.

MEN'S AND WOMEN'S RESTROOM LOCATIONS



IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT APPL# **04-115979** 

AC PL FILS DT SS / DATE: APR 1 2 2017

ENLARGED SITE PLANS

NO. DATE

PROJECT NO:

4/1/2017 DATE: DRAWING

A1.1

#### **ABBREVIATIONS**

AMPERE (AMPS) ALTERNATING CURRENT AMPS-FRAME (RATING) AMP INTERRUPTING CURRENT AMP SWITCH (FUSED SWITCH RATING) AMPS-TRIP (RATING) AMERICAN WIRE GAUGE BARE COPPER BLDG BUILDING CONDUIT CIRCUIT BREAKER CONDUIT ONLY CURRENT TRANSFORMER COPPER CFOI CONTRACTOR FURNISHED OWNER INSTALLED CFCI CONTRACTOR FURNISHED CONTRACTOR INSTALLED DPDT DOUBLE POLE DOUBLE THROW DPST DOUBLE POLE SINGLE THROW DWG DRAWING ΕX EXISTING FULL LOAD AMPS FYR FULL YOLTAGE REVERSING FYNR FULL YOLTAGE NON-REVERSING GROUND FAULT INTERRUPTER GRD/GND GROUND HIGH INTENSITY DISCHARGE HOA HAND-OFF-AUTOMATIC HORSEPOWER HIGH PRESSURE SODIUM HERTZ KILOWATT LCL LRA LONG CONTINUOUS LOAD LOCKED ROTOR AMPS LTG LIGHTING MCC MOTOR CONTROL CENTER MCM (KCM) THOUSAND CIRCULAR MILS MECHANICAL NORMALLY CLOSED NON-FUSED NORMALLY OPEN/NUMBER OFCI OWNER FURNISHED CONTRACTOR INSTALLED OFOI OWNER FURNISHED OWNER INSTALLED PHASE POC POINT OF CONNECTION PYC COATED RIGID STEEL (CONDUIT) POTENTIAL TRANSFORMER POLYVINYL CHLORIDE DUCT SWITCHBOARD TYP TYPICAL UNDERGROUND UNLESS OTHERWISE NOTED VOLTAMPERES

VOLTMETER

WIRE/WATTS

VERIFY LOCATION

WEATHERPROOF (NEMA TYPE 3R)

EXPLOSION PROOF (RATED FOR AREA HAZARD)

**ELECTRICAL SYMBOL LEGEND** LIGHTING LIGHTING FIXTURE DESIGNATION LIGHTING FIXTURE, CEILING OR WALL MOUNTED AS SHOWN. FLUORESCENT LIGHT FIXTURE LIGHTING FIXTURE ON EMERGENCY CIRCUIT (LIFE SAFETY BRANCH OR BATTERY PACK). -EXIT SIGN WITH DIRECTION ARROWS AS INDICATED. SHADED QUADRANT INDICATES FACE. FLUORESCENT STRIP LIGHT EXTERIOR SITE LIGHTING FIXTURE AND POLE EXTERIOR DECORATIVE SITE LIGHTING FIXTURE AND POLE DISTRIBUTION EQUIPMENT >> DRAW OUT TYPE EQUIPMENT YACUUM CIRCUIT BREAKER, RATING AS NOTED. AIR INTERRUPTER SWITCH AND FUSE - AIR INTERRUPTER POWER TRANSFORMER, RATING AS NOTED POWER CIRCUIT BREAKER DRAWOUT AUTOMATIC TRANSFER SWITCH. SEE SCHEDULE AMMETER VOLTMETER CIRCUIT BREAKER 200AMP FRAME 200AMP TRIP 3 POLE 10.000 AMPS INTERRUPTING CURRENT 200AMP SWITCH 200AMP FUSE 3 POLE UTILITY COMPANY METER

#### POWER CONTINUED

- DUPLEX RECEPTACLE, FLOOR MOUNTED
- DUPLEX RECEPTACLE, WALL MOUNTED, +18' A.F.F. (U.O.N.)
- RECEPTACLE, WALL MOUNTED HORIZONTALLY, +18" AFF. (U.O.N.) HORZ
- FOURPLEX RECEPTACLE, WALL MOUNTED, +18" AFF. (U.O.N.)
- RECEPTACLE MOUNTED +6' ABOVE COUNTER BACKSPLASH SEE ARCHITECTURAL PLANS FOR REQUIRED MOUNTING HEIGHT PRIOR TO ROUGH-IN.
- PROVIDE (2) DUPLEX RECEPTACLE CEILING MOUNTED LOCATE ADJACENT TO PROJECTOR FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
- SINGLE RECEPTACLE, WALL MOUNTED +18" A.F.F. (U.O.N.)
- SINGLE RECEPTACLE (CLOCK HANGER TYPE) WALL MOUNTED +7'-0" AFF. (U.O.N.) SWITCH CONTROLLED DUPLEX RECEPTACLE +18" U.O.N.
  - DUPLEX GROUND FAULT INTERRUPTING RECEPTACLE +18" AFF. (U.O.N.)
- DUPLEX RECEPTACLE ON EMERGENCY CIRCUIT +18" AFF. (U.O.N.) DUPLEX RECEPTACLE IN WEATHERPROOF ENCLOSURE +18" A.F.F. (U.O.N.)
- DUPLEX RECEPTACLE IN WEATHERPROOF "LOCKING" ENCLOSURE +18" AFF. (U.O.N.) (SEE TYPICAL DETAILS E3 SERIES SHEETS AND SPECIFICATIONS FOR REQUIRED TYPE).
  - DUPLEX RECEPTACLE (ORANGE) ISOLATED GROUND WALL MOUNTED +18" A.F.F. (U.O.N.) 1G (D) FOURPLEX RECEPTACLE (ORANGE) ISOLATED GROUND WALL MOUNTED +18" A.F.F. IG ∰ (U.O.N.)
  - MULTI-OUTLET ASSEMBLY, "WIREMOLD" G-3000 SERIES WITH 20AMP DUPLEX 8 N 8 8 RECEPTACLES ON 18' CENTERS, RECEPTACLES TO BE ALTERNATELY WIRED
  - AND INSULATED GROUNDING CONDUCTOR PROVIDED TO EACH JUNCTION BOX, FLOOR MOUNTED
  - JUNCTION BOX, CEILING OR WALL MOUNTED
  - HAND DRYER CONNECTION, SEE ARCHITECTURAL FOR MOUTNING HEIGHT.
  - FUSED DISCONNECT SWITCH, WHERE SHOWN NF = NON-FUSED.
  - MANUAL MOTOR STARTER +48' A.F.F. OR ON EQUIPMENT (U.O.N.)
  - MOTOR CONNECTION, NUMERAL INDICATES HORSEPOWER
  - MECHANICAL EQUIPMENT TAG (SEE MECHANICAL DRAWINGS FOR DESCRIPTION)
  - CONDUIT AND WIRE, CONCEALED IN CEILING OR WALL
  - CONDUIT AND WIRE, CONCEALED IN OR UNDER FINISHED FLOOR
  - OR UNDER FINISHED GRADE.
  - FLEXIBLE CONDUIT CONNECTION BRANCH CIRCUIT HOMERUN TO PANEL. SLASHES INDICATE NUMBER OF
  - CONDUCTORS. EQUIPMENT GROUND WIRE NOT INDICATED U.O.N.
  - #12 CONDUCTORS ARE MINIMUM, NO HASH MARKS = MIN (2) #12 3/4" CONDUIT STUBBED FROM DEVICE TO ABOVE ACCESSIBLE
  - CEILING BRANCH CIRCUIT HOMERUN, NUMBER INDICATES INCREASED CONDUCTOR SIZE, CONDUCTORS SHALL REMAIN AS INDICATED
  - FOR SIZE THROUGHOUT THE ENTIRE CIRCUIT.
  - PANELBOARD, SURFACE MOUNTED. PANELBOARD, RECESSED
  - STEP-DOWN TRANSFORMER
  - DISTRIBUTION SWITCHBOARD
  - ----SR---- SURFACE MOUNTED RACEWAY SINGLE SECTION SERIES, NON METALLIC (WHITE)
  - ----SR---- SURFACE MOUNTED RACEWAY TWO SECTION SERIES, NON METALLIC (WHITE)
  - SIRFACE MOUNTED RACEWAY THREE SECTION SERIES, NON METALLIC (WHITE)

#### GENERAL PROJECT NOTES

- 1. UNLESS WHERE OTHERWISE NOTED, ALL WORK INDICATED ON THESE DRAWINGS SHALL BE CONSIDERED NEW WORK
- 2. UNLESS WHERE OTHERWISE NOTED, ALL DIMENSIONS ARE TO BE CENTERLINE OF THE DEVICE.
- 3. "GENERAL NOTES" SHOWN ON AN INDIVIDUAL DRAWING APPLY TO ALL WORK SHOWN ON THAT SHEET. "KEY NOTES" ONLY APPLY TO SPECIFIC ITEMS WHERE ANNOTATED AT SPECIFIC LOCATIONS. SOME KEY NOTES MAY NOT APPLY TO ANY SPECIFIC ITEMS.
- 4. FOR TWO STORY BUILDING CONSTRUCTION, NO CONDUITS SHALL BE ROUTED HORIZONTALLY WITHIN THE FLOOR SLAB OF THE SECOND FLOOR
- 5. UNLESS SPECIFICALLY SHOWN ON THESE PLANS, NO STRUCTURAL MEMBER SHALL BE CUT, NEITHER DRILLED NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT.

#### MEP COMPONENT ANCHORAGE NOTE:

ALL ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS, WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2016 CBC, SECTIONS 1616 A.I.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 16 AND

#### 1. ALL PERMANENT EQUIPMENT AND COMPONENTS.

- 2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER
- 3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.
- THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.
- A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- B. COMPONENTS WEIGHING LESS THAT 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

#### PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5.6, AND 2016 CBC, SECTIONS 1616.A.1.23, 1616A.124, 1616A.125 AND 1616A.126.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPM \*).

COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO START OF HANGING AND BRACING OF THE PIPE, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

> No. E 14781 Communications | Data Networking Exp. 6-30-2017 12875 Brookprinter Place, Suite 300

JOHNSON CONSULTING ENGINEERS, INC. Power | Lighting | Multimedia

designstudio

MURRIETA VALLEY UNIFIED SCHOOL

ALTA MURRIETA ELEMENTARY

SCHOOL PARKING EXPANSION

KEYNOTES

731 Ninth Avenue, Suite A, San Diego, California 92101

www.bndesignstudio.com

Poway, CA 92064 P 858.679.4030 F 858.513.0559 3/28/2017 www.jce-inc.com

IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES APPL# 04-115979

DATE: APR 1 2 2017

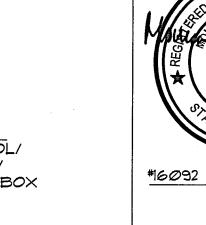
**OVERALL SITE PLAN** 

NO. DATE

4/1/2017

E1.0

DRAWING



EI.Ø

CONTROL/ 兴 OUTLET/ 局 SWITCH BOX /-FINISHED

SIDE APPROACH

NOTE: MAINTAIN MINIMUM 30'X48' CLEAR FLOOR SPACE AT EACH APPROACH.

MOUNTING HEIGHT OVER OBSTRUCTION

CONTROL/

SWITCH BOX

OUTLET/

FINISHED

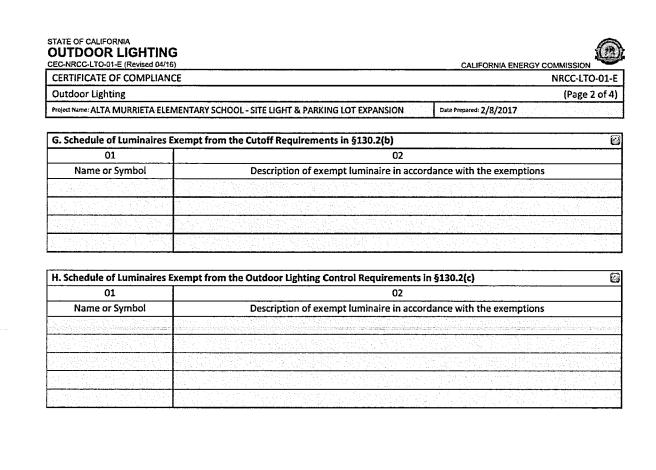
NO SCALE

-BOTTOM OF CONTROL/

PERPENDICULAR APPROACH

OUTLET/ SWITCH BOX .

A. General Information Project Address: 39475 WHITEWOOD RD, MURRIETA, CA 92562 Phase of Construction: New Construction Addition Atteration Project Address: 39475 WHITEWOOD RD, MURRIETA, CA 92562 Phase of Construction: New Construction Addition Addition Outdoor Lighting Zone (LZ) LZ-1 LZ-2 LZ-3 LZ-3 LZ-4 I have confirmed with the AHJ which LZ applies to this site. For default lighting zone designations, see Title 24 Part 6, §10-114  B. Lighting Compliance Documents (check box for each document included) For detailed instructions on the use of this and oil Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the Colifornia brary Commission.  B. NECC-LTO-01-E Certificate of Compliance NECC-LTO-02-E Outdoor Lighting Power Allowance Certificate of Compliance NECC-LTO-03-E Outdoor Lighting Power Allowance Certificate of Compliance NECC-LTO-03-E Outdoor Lighting Power Allowance Certificate of Compliance NECC-LTO-04-E Outdoor Lighting Wattage from NECC-LTO-03-E, page 1 OI Alterations with NO increase of connected lighting load may instead use the allowed wattage from NECC-LTO-04, page 2. Complies ONLY if Installation Gertificates of Compliance Sum Total ALLOWED Outdoor Lighting Wattage from NECC-LTO-01-E, page 3.  1705  D. Declaration of Required Installation Certificates that will be submitted. (Retain copies and verify compliance documents are completed and signed.)  NRC-LTO-02-E - Must be submitted for all buildings NRC-LTO-02-E - Must be submitted for all lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.  E. Declaration of Required Certificates of		ANCE			NRCC	-LTO-01-
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Project Address: 39475 WHITEWOOD RD, MURRIETA, CA 92562  Phase of Construction: New Construction Addition Alteration Outdoor Lighting Zone (LZ) L2-1 L2-2 L2-3 L2-4  I have confirmed with the AHJ which LZ applies to this site. For default lighting zone designations, see Title 24 Part 6, \$10-114  B. Lighting Compliance Documents (check box for each document included) For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.  NRCC-170-01-E Certificate of Compliance NRCC-170-02-E Outdoor Lighting Controls Certificate of Compliance NRCC-170-03-E Outdoor Lighting Power Allowance Certificate of Compliance NRCC-170-03-E Outdoor Lighting Existing Conditions Certificate of Compliance NRCC-170-03-E Outdoor Lighting Wattage from NRCC-170-03-E, page 1  Alterations with NO increase of connected lighting load may instead use the allowed wattage from NRCC-170-01-E, page 3.  Complies NNLY if Installed (Box 02) ≤ Allowed (Box 01)  92 Sum Total RISTALLED Outdoor Lighting Wattage from NRCC-170-01-E, page 3.  Compliance Outdoor Lighting Wattage from NRCC-170-01-E, page 3.  Declaration of Required Installation Certificates Declare by checking all Installation Certificates of Acceptance Declare by the Compliance Declare by the Compliance of Compliance.  Declaration of Required Certificates of Acceptance Declare by the Compliance Declare by the Name of Sum that the Summitted for all buildings    Field Inspector						
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A Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 201						
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CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

TIFICATE OF	COMPLIANCE								NRC	SSION
door Lighting									(1	Page
Name: ALTA MI	JRRIETA ELEMENTARY SCHOOL - SITE LIGHT & PARK	NG LOT EXP	ANSION		TANK HOW		Date Prepared: 2/8/2017		a Viete	Sel
. Outdoor L	ighting Schedule and Field Inspection Energy (	hecklist						<del></del>		
	3,							T	F	ield
	Luminaire Schedule			stalled Wa			Location	Cutoff		pecto
01	02	03	0		05	06	07	08		09
				tage was		8				
Name or				Т	İ	Total Installed Watts in this area (03 x 05)	Primary Function area in which these luminaires are		ي ا	
Item Tag	Complete Luminaire Description	per aire	CEC Default from NA8	According to §130.0(c)	Number of Luminaires	n th	installed	BUG Rating	Pass	1 2
		Watts per Luminaire	C De	30.0(	a in	atts 3 x 0	(Outdoor Lighting Zone)	1		
		≥ 3	2 2	91 Ac	<b>23</b>	2 ≥ 0				<u> </u>
521&524	Parking Lot Light (82-U0-G2)						PARKING LOT	UH:	[	ļ
				•				UL:		
		110			9	990		FVH: BVH:	0	(
				}				FH:		
				1				BH:	ŀ	
S22	Parking Lot Light (B2-U0-G2)			1			PARKING LOT	UH;	<u> </u>	$\vdash$
								UL:	]	
		55			1	55		FVH:	0	l c
				-		33		BVH:		`
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								BH:		ļ
S23	Parking Lot Light (B2-U0-G2)						PARKING LOT	UH: UL:		
			_	l _				FVH:		_ ا
		220			3	660		BVH:	0	C
	기록보다면 얼마나 얼룩하다면 하다.							FH:		
								вн:		
							Enter sum total of all pages (S			atu in N
		INST	ALLED WA	ATTS PAG	E TOTAL:	1705	INSTALLED Outdoor lighting w	attage) into	1	705
						1,548,711,58	NRCC-LTO-01-E; Page 1			

RTIFICATE OF COMPLIANCE	NRCC-LT
tdoor Lighting	(Page
t Name: ALTA MURRIETA ELEMENTARY SCHOOL - SITE LIGHT & PARKING	LOT EXPANSION Date Prepared: 2/8/2017
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
1   Leartify that this Certificate of Compliance documentation is accurate	urate and complete.
Documentation Author Name: Monica Hansen	Documentation Author Signature:
Company: Johnson Consulting Engineers, Inc.	Signature Date: 2/9/2017
Address: 12875 Brookprinter Place, Suite 300	CEA Certification Identification (if applicable):
City/State/Zip: Poway, CA 92064	Phone: 858-679-4030
City/State/Zip: Poway, CA 92064  RESPONSIBLE PERSON'S DECLARATION STATEMENT  I certify the following under penalty of perjury, under the laws of the 1. The information provided on this Certificate of Compliance is tru 2. I am eligible under Division 3 of the Business and Professions Cod	858-6/9-4030 State of California:
City/State/Zip: Poway, CA 92064  RESPONSIBLE PERSON'S DECLARATION STATEMENT  I certify the following under penalty of perjury, under the laws of the  The information provided on this Certificate of Compliance is tru  I am eligible under Division 3 of the Business and Professions Code (responsible designer).  The energy features and performance specifications, materials, of Compliance conform to the requirements of Title 24, Part 1 and 14.  The building design features or system design features identified documents, worksheets, calculations, plans and specifications su  I will ensure that a completed signed copy of this Certificate of Cenforcement agency for all applicable inspections. I understand the builder provides to the building owner at occupancy.	State of California: ue and correct. de to accept responsibility for the building design or system design identified on this Certificate of Compliance components, and manufactured devices for the building design or system design identified on this Certificate of Part 6 of the California Code of Regulations. d on this Certificate of Compliance are consistent with the information provided on other applicable compliance ubmitted to the enforcement agency for approval with this building permit application. Compliance shall be made available with the building permit(s) issued for the building, and made available to the that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the
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CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

TATE OF CALIFORNIA DUTDOOR LIGHTING CONTROLS EC-NRCC-LTO-02-E (Revised 08/16)	CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE	NRCC-LTO-02-E
Outdoor Lighting Controls	(Page 1 of 3
Project Name: ALTA MURRIETA ELEMENTARY SCHOOL - SITE LIGHT & PARKING LOT EXPANSION	Date Prepared: 2/8/2017
A. Mandatory Outdoor Lighting Control Declaration Statements	C CARACTER CONTRACTOR
Check all that apply:	
Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Co Regulations in accordance with §110.9(a).	mmission according to the Title 20 Appliance Efficiency
Lighting shall be controlled by a lighting control system or energy management control system in accordance with §130.4(b).	ince with §110.9. An Installation Certificate shall be submitted
All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be accordance with §130.0(d).	installed in accordance with the manufacturer's instructions in
Part-Night Outdoor Lighting Controls, as defined in Section 100.1(b), shall meet the requirements in Section	on 110.9(b)5.
All outdoor incandescent luminaires rated over 100 watts, determined in accordance with Section 130.0	c), shall be controlled by a motion sensor.
<ul> <li>All outdoor luminaires rated for use with lamps greater than 150 lamp watts, determined in accordance to Uplight and Glare requirements in accordance with Section 130.2(b)</li> </ul>	with Section 130.0(c), shall comply with
abing.	
All installed outdoor lighting shall be controlled by a photocontrol or outdoor astronomical time-switch c in accordance with Section 130.2(c)1.	ontrol, or other control capable of automatically switching OFF

	Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with §110.9(a).
Ø	Lighting shall be controlled by a lighting control system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with §130.4(b).
	All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with §130.0(d).
	Part-Night Outdoor Lighting Controls, as defined in Section 100.1(b), shall meet the requirements in Section 110.9(b)5.
	All outdoor incandescent luminaires rated over 100 watts, determined in accordance with Section 130.0(c), shall be controlled by a motion sensor.
	All outdoor luminaires rated for use with lamps greater than 150 lamp watts, determined in accordance with Section 130.0(c), shall comply with Uplight and Glare requirements in accordance with Section 130.2(b)
	All installed outdoor lighting shall be controlled by a photocontrol or outdoor astronomical time-switch control, or other control capable of automatically switching OF in accordance with Section 130.2(c)1.
	All installed outdoor lighting shall be circuited and independently controlled from other electrical loads by an automatic scheduling control in accordance with Section 130.2(c)2.
	All installed outdoor lighting, where the bottom of the luminaire is mounted 24 feet or less above the ground, shall be controlled with automatic lighting controls in accordance with Section 130.2(c)3.
	For Outdoor Sales Frontage, an automatic lighting control shall be installed in accordance with Section 130.2(c)4.
	For Building Facade, Ornamental Hardscape and Outdoor Dining lighting, an automatic lighting control shall be installed in accordance with Section 130.2(c)5
	Before an occupancy permit is granted for the newly constructed building or for the addition, or for any altered outdoor lighting controls,
	shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with §130.4.(a). Outdoor lighting controls shall comply with the applicable requirements of Section 130.2(c) and Reference Nonresidential Appendix NA7.8.

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

CERTIFICATE OF COMPLIANCE									N	RCC-LT	D-02·
Outdoor Lighting Controls										(Page	2 of 3
Project Name: ALTA MURRIETA ELEMENTA	RY SCHOOL - SITE LIGHT & PARKING LOT EXPANSION				Date P	repared: 2/8/2	017		A. Baran		
B. Mandatory Outdoor Ligh	iting Control Schedule and Field Inspecti	on Check	list					•			
Outde	oor Lighting Control Schedule	70.00			hat apply	omplying , or leave npted)	With empty if		✓ if Acceptance Test Required		Field Inspector
01	02	03	04	05	06	07	08	09	10		11
Location and Application of Luminaires Being Controlled	Type/ Description of Lighting Control (i.e. outdoor motion sensor, outdoor photocontrol, outdoor astronomical timeswitch control, automatic scheduling control, part-night outdoor lighting control)	# of Units	§130.2(a)	§130.2(c)1	§130.2(c)2	§130.2(c)3	§130.2(c)4	§130.2(c)5	20	Pass	Fail
ARKING LOT	TIME CLOCK	1	6.5		*	•	3.1			0	0
ARKING LOT	MOTION SENSOR	14	1.5	•	•	•:	5/1			0	0
				28		- 3	11.	25.		0	0
			. d			+ 12	1.1	1.5		0	0
					3.1		17	2.4		0	0
			24	7.1						0	0
			7.5	4.		- 1		15.		0	0
				100		1, 5		. * *		0	0
			17.				- 1			0	0
			±. <sup>4</sup>	4.5	45			1.5		0	O
				1.			17.	.57 .14		0	0
			1. 17	44.5	N 14 1.7.	1.	74.	7.		0	О
			4	10		1.5	1.4			0	0
				7.5		Ž.	1	*		0	0
				N <sub>a</sub>	£3	1,00		2.5		0	0
			5.5			10	1.5			0	0
	그런 이 생님, 학생이나가 되는 그 보다는 것 같아.										

EC-NRCC-LTO-02-E (Revised 08/16) CERTIFICATE OF COMPLIANCE	CALIFORNIA ENERGY COMMISSION NRCC-LTO-02-
Outdoor Lighting Controls	(Page 3 of 3
roject Name: ALTA MURRIETA ELEMENTARY SCHOOL - SITE LIGHT (	
ALTA MORRIETA ELEMENTARY SCHOOL - SHE LIGHT 8	& PARKING LOT EXPANSION 2/8/2017
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
Leastifuthat this Cartificate of Compliance documentation	n is accurate and complete.
Documentation Author Name: Monica Hansen	Documentation Author Signature:
Company: Johnson Consulting Engineers, Inc.	Signature Date: 2/8/2017
Address: 12875 Brookprinter Place, Suite 300	CEA Certification Identification (If applicable):
City/State/Zip: Poway, CA 92064	Phone: 858-679-4030
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<ol> <li>I am eligible under Division 3 of the Business and Professio (responsible designer).</li> <li>The energy features and performance specifications, mate Compliance conform to the requirements of Title 24, Part</li> <li>The building design features or system design features ide documents, worksheets, calculations, plans and specificat</li> <li>I will ensure that a completed signed copy of this Certifical enforcement agency for all applicable inspections. I under builder provides to the building owner at corrupancy.</li> </ol>	ons Code to accept responsibility for the building design or system design identified on this Certificate of Compliance erials, components, and manufactured devices for the building design or system design identified on this Certificate of 1 and Part 6 of the California Code of Regulations. entified on this Certificate of Compliance are consistent with the information provided on other applicable compliance tions submitted to the enforcement agency for approval with this building permit application. ste of Compliance shall be made available with the building permit(s) issued for the building, and made available to the restand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the
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2. I am eligible under Division 3 of the Business and Professic (responsible designer).  3. The energy features and performance specifications, mate Compliance conform to the requirements of Title 24, Part 4. The building design features or system design features ide documents, worksheets, calculations, plans and specification. I will ensure that a completed signed copy of this Certification enforcement agency for all applicable inspections. I under builder provides to the building owner at occupancy.  Responsible Designer Name: Monica Hansen  Company: Johnson Consulting Engineers, Inc.  Address: 12875 Brookprinter Place, Suite 300	erials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance erials, components, and manufactured devices for the building design or system design identified on this Certificate of to an an arm of the California Code of Regulations. Entified on this Certificate of Compliance are consistent with the information provided on other applicable compliance tions submitted to the enforcement agency for approval with this building permit application. Set of Compliance shall be made available with the building permit(s) issued for the building, and made available to the restand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the
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RTIFICATE OF COMPLIANCE	· · · · · · · · · · · · · · · · · · ·						CALIFORNIA ENE	RGY COMMISSION NRCC-LTO-03-E
tdoor Lighting Power Allow	ances				<del></del>			(Page 1 of 4)
iett Name: ALTA MURRIETA ELEME		TTT LICIT O DA	DIVING LOT EVENALS	non.	ere e late kalan diri	Date Prepared:	2/0/2012	(rage 1 0) 4)
ALIA WORKIETA ECEIVIE	NIART SCHOOL-S	SIE LIGHT & PA	NAING LOT EXPANS	NON			2/8/2017	
. OUTDOOR LIGHTING F	POWER ALLOY	NANCE SUN	MARY					
General Hardscape Lighting Pov				D-03-E)			<b>1.</b>	3138.51
Additional Specific "use it or los	<del></del>	····			cal to total allow	ed watts		3136.31
termined in Section C-1 to C-4						ica watta		
PER APPLICATION	PER UNI	T LENGTH	PERH	IARDSCAPE AREA	PER	SPECIFIC AREA	7	
from Section C-1	(SALES F	RONTAGE)	(ORNAI	MENTAL LIGHTING)	fro	m Section C-4.		
	from Se	ection C-2	fro	m Section C-3	1			
+		0	+	D	<b>→</b> Page	O	= 2.	0.00
Sum Total ALLOWED Outdoor L	ighting Wattage (a	add rows 1 and	2)		<u> </u>		3.	3138.51
GENERAL HARDSCAPE I	IGHTING PO	<b>NER ALLOW</b>	ANCE FROM	ΓABLE 140.7-A				
4 - 111		414441	· · · · · · · · · · · · · · · · · · ·			4444	Initial Wattage	Total General Hardscape
Area Wa	attage Allowance (	AWA)		Linear Wa	attage Allowance	e (LWA)	Allowance (IWA)	Lighting Allowance
01	02	03	04	05	06	07	08	09
Name of Area	Illuminated - Hardscape Area	AWA Per	AWA (802 x 803)	Perimeter Length of	LPA per	LWA	H IWA F	B04 + B07 + B08
	Haroscape Area	Square Foot		General Hardscape	Linear Foot	(B05 x B06)	(Watts)	
PARKING LOT	49214	0.04	1968.56	1857	0.35	649.95	520	3138.51
			0			0		0
elema (Bagelle mercuennen Elektronia egit)			0	jergapie sierzestoore		0		0
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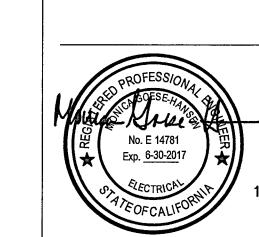
	HTING POW	ER ALLOW	ANCES						<u>@</u>
CEC-NRCC-LTO-03-E (Rev		<del> </del>					CALI	FORNIA ENERGY CO	NRCC-LTO-03-I
Outdoor Lighting Po									(Page 2 of 4
Project Name: ALTA MURRI		SCHOOL - SITE LIG	HT & PARKIN	G LOT EXPANSIO		Date Prepar	<sup>ed:</sup> 2/8/2017	Tallown Are group (1971)	
	and the control of th				<u>. 4 </u>			<u> </u>	<u> </u>
. ADDITIONAL "L	JSE IT OR LOS	E IT" OUTDO	OR LIGHTII	NG POWER A	ALLOWANCES FOR SPECI	FIC APPLICAT	TIONS	<del></del>	<b>S</b>
The additional spe	cific outdoor light	ting power allov	vance shall b	e the smaller o	f the allowed lighting power o	r the actual ligh	ting power us	ed.	
Use Outdoor Lighti	ng Zone (OLZ) th	at is documente	ed on page 1	of NRCC-LTO-0	1-E to calculate the specific w	attage allowand	ces.		
-1. WATTAGE AL	OWANCE DE	R ADDI ICATIC	N - Tahla	140 7-R					
					ts; Primary Entrances to Senio	r Caro Eacilities	Police Station	ne Hoenitale Eiro	Stations and
=			_		ered Fuel Dispenser, ATM Ma	·	, ronce station	is, mospitais, riie	sations, and
If more than one I	,				•	connic denting			
01	02	03	04	05	06	07	08	09	10
		OTTED WATTS	<del>  </del>			WATTS		<u> </u>	
-	T	Wattage				1 1		I	
Name of Location	Number of	Allowance per	Allotted	Luminaire		1			Allowed Watts
or Which Allowance	Qualifying	Qualifying	Watts	Code or		Luminaire	Watts per	Design Watts	(smaller of 04 or
is Claimed	Locations	Location	(02 x 03)	Symbol	Luminaire Description	Quantity	Luminaire	(07 x 08)	09)
			0					0	
			0					0	
			0					10 NO NO NO NO	
			0					0	
						Sum total allo	wance per appl	cation on this site:	0
-2. WATTAGE AL	LOWANCE PE	R UNIT LENG	TH (Sales I	rontage) fro	m Table 140.7-B				
			-						
			-			07	08	09.	10
I If more than one l	uminaire type is t	ısed per locatio	n, use multip	le rows for tha	t location 06	07	08	09.	10
If more than one l	uminaire type is t	used per locatio	n, use multip	le rows for tha	t location 06		08	09	10
01 Name of Location	uminaire type is t	used per locatio 03 LLOTTED WATTS	n, use multip 04	ole rows for tha	t location 06		08 Watts per	09 Design Watts	Allowed Watts
01 Name of Location	oz-	03 LLOTTED WATTS Wattage	n, use multip 04 Allotted	05 Luminaire	t location 06	N WATTS			Allowed Watts
on the following of the	02: Al	03 LLOTTED WATTS Wattage Allowance per	04 Allotted Watts	05 Luminaire Code or	t location 06 DESIG	N WATTS  Luminaire	Watts per	Design Watts	Allowed Watts (smaller of 04 or
01  Name of Location for Which Allowance	02: Al	03 LLOTTED WATTS Wattage Allowance per	04 Allotted Watts (02 x 03)	05 Luminaire Code or	t location 06 DESIG	N WATTS  Luminaire	Watts per	Design Watts (07 x 08)	Allowed Watts (smaller of 04 or
01 Name of Location for Which Allowance	02: Al	03 LLOTTED WATTS Wattage Allowance per	04  Allotted Watts (02 x 03)	05 Luminaire Code or	t location 06 DESIG	N WATTS  Luminaire	Watts per	Design Watts (07 x 08)	Allowed Watts (smaller of 04 or

EKTIFICATE OF COM	PLIANCE								NRCC-LTO-03
Outdoor Lighting Pow	er Allowances			,		· · · · · · · · · · · · · · · · · · ·			(Page 3 of
roject Name: ALTA MURRI	TA ELEMENTARY	SCHOOL - SITE LI	GHT & PARKI	NG LOT EXPAN	SION	Date	Prepared: 2/8/20	17	
-3. WATTAGE ALI	OWANCE PE	R SQUARE FO	OOT OF H	ARDSCAPE.	AREA (Ornamental Ligh	ting) – Tabl	e 140.7-B		
Allowance for the to	tal site illumina	ted hardscape	area. Lumin	aires qualifyin	g for this allowance shall be	rated for 100 v	vatts or less a	s determined in	accordance with
Section 130.0(c), an	d shall be post-t	op luminaires.	lanterns, pe	ndant lumina	ires, or chandeliers.				
If more than one lur	•		• •		•				
01	02	03	04	05	06	07	08	09	10
	ALI	OTTED WATTS			DESIGN	WATTS			
ame of area for which	7,2	Wattage	Allotted	Luminaire		1			
namental allowance is	Square Feet of	• 1	Watts	Code or		Luminaire	Watts per	Design Watts	Allowed Watts
claimed	Hardscape	Square Foot	(02 x 03)	Symbol	Luminaire Description	Quantity	Luminaire	(07 x 08)	(smaller of 04 or 09)
reday at seed as he seed	ersone agosas sia		0	\$1.55 KS 4184 K		The State Control		0	
			٥			Nijeya (Milate)		0	ada Tambilda da
			0		LERI LE			0	
									<u>a fia i parte la app</u> Na fia de la spillaga de la Curalia de la apolicació
			0		Sum total	allowance for o	ornamental ligh	0	
			0		Sum total	allowance for o	ornamental ligh	0	0
			0			allowance for o	ornamental ligh	0	0
			o o FOOT OF		REA - Table 140.7-B			0 0 nting on the site:.	
- Allowances for Bui	lding Facades; C	utdoor Sales Lo	O O FOOT OF ots; Vehicle	Service Statio	REA - Table 140.7-B n Hardscape; Vehicle Service	Station Canop	ies; Sales Can	0 0 Iting on the site:.	
- Allowances for Bui	lding Facades; C	utdoor Sales Lo	O O FOOT OF ots; Vehicle	Service Statio	REA - Table 140.7-B	Station Canop	ies; Sales Can	0 0 Iting on the site:.	
- Allowances for Bui	lding Facades; C lent Pick-up/Dro	utdoor Sales Lo p-off zone: Out	0 0 FOOT OF ots; Vehicle	Service Statio g; Special Secu	REA - Table 140.7-B n Hardscape; Vehicle Service urity Lighting for Retail Parking	Station Canop	ies; Sales Can	0 0 Iting on the site:.	
<ul> <li>Allowances for Building</li> <li>Guard Stations; Stud</li> </ul>	lding Facades; C lent Pick-up/Dro	utdoor Sales Lo p-off zone: Out	0 0 FOOT OF ots; Vehicle	Service Statio g; Special Secu	REA - Table 140.7-B n Hardscape; Vehicle Service urity Lighting for Retail Parking	Station Canop	ies; Sales Can	0 0 Iting on the site:.	
<ul> <li>Allowances for Bui</li> <li>Guard Stations; Stud</li> <li>If more than one I</li> </ul>	lding Facades; C lent Pick-up/Dro uminaire type is 02	utdoor Sales Lo p-off zone: Out used per locat	FOOT OF ots; Vehicle tdoor Dining ion, use mu	Service Statio g; Special Secu Itiple rows for	REA - Table 140.7-B n Hardscape; Vehicle Service rity Lighting for Retail Parkin that location 06	Station Canop g and Pedestri	ies; Sales Can an Hardscapo	0 0 Iting on the site:. opies; Non-sales	Canopies; Tunnels;
<ul> <li>Allowances for Bui</li> <li>Guard Stations; Stud</li> <li>If more than one I</li> </ul>	lding Facades; C lent Pick-up/Dro uminaire type is 02	utdoor Sales Lop-off zone: Out used per locat 03	FOOT OF ots; Vehicle tdoor Dining ion, use mu	Service Statio g; Special Secu Itiple rows for	REA - Table 140.7-B n Hardscape; Vehicle Service rity Lighting for Retail Parkin that location 06	Station Canop g and Pedestri 07	ies; Sales Can an Hardscapo	0 0 Iting on the site:. opies; Non-sales	Canopies; Tunnels;
- Allowances for Bui Guard Stations; Stud - If more than one I 01	lding Facades; C lent Pick-up/Dro uminaire type is 02 A	outdoor Sales Lop-off zone: Out used per locat 03 LLOTTED WATTS	FOOT OF ots; Vehicle tdoor Dining ion, use mu 04	Service Statio g; Special Secu Itiple rows for 05	REA - Table 140.7-B n Hardscape; Vehicle Service rity Lighting for Retail Parkin that location 06	Station Canop g and Pedestri 07	ies; Sales Can an Hardscapo	0 0 Iting on the site:. opies; Non-sales	10 Allowed Watts
- Allowances for Bui Guard Stations; Stud - If more than one I 01 Name of Location	lding Facades; C lent Pick-up/Dro uminaire type is 02 A	outdoor Sales Lop-off zone: Out used per locat 03 LLOTTED WATTS Wattage	FOOT OF ots; Vehicle tdoor Dining ion, use mu 04	Service Statio g; Special Secu ltiple rows for 05 Luminaire	REA - Table 140.7-B n Hardscape; Vehicle Service rity Lighting for Retail Parkin that location 06	Station Canop g and Pedestri 07 N WATTS	ies; Sales Car an Hardscape 08	0 0 nting on the site:. opies; Non-sales	Canopies; Tunnels;  10  Allowed Watts
- Allowances for Bui Guard Stations; Stud - If more than one I 01 Name of Location for Which Allowance	Iding Facades; Clent Pick-up/Drouminaire type is  02  Alluminated Area	outdoor Sales Lo p-off zone: Out used per locat  03  LLOTTED WATTS Wattage Allowance per	FOOT OF ots; Vehicle tdoor Dining ion, use mu 04  Allotted Watts	Service Statio  S; Special Secultiple rows for  05  Luminaire Code or	REA - Table 140.7-B n Hardscape; Vehicle Service trity Lighting for Retail Parking that location 06 DESIG	Station Canop g and Pedestri 07 N WATTS Luminaire	ies; Sales Car an Hardscape 08 Watts per	0 0 nting on the site:. opies; Non-sales	10 Allowed Watts
- Allowances for Bui Guard Stations; Stud - If more than one I 01 Name of Location for Which Allowance	Iding Facades; Clent Pick-up/Drouminaire type is  02  Alluminated Area	outdoor Sales Lo p-off zone: Out used per locat  03  LLOTTED WATTS Wattage Allowance per	FOOT OF ots; Vehicle tdoor Dining ion, use mu O4  Allotted Watts (02 x 03)	Service Statio  S; Special Secultiple rows for  05  Luminaire Code or	REA - Table 140.7-B n Hardscape; Vehicle Service trity Lighting for Retail Parking that location 06 DESIG	Station Canop g and Pedestri 07 N WATTS Luminaire	ies; Sales Car an Hardscape 08 Watts per	0 0 nting on the site:.  opies; Non-sales 2.  09  Design Watts (07 x 08)	Canopies; Tunnels;
- Allowances for Bui Guard Stations; Stud - If more than one I 01 Name of Location for Which Allowance	Iding Facades; Clent Pick-up/Drouminaire type is  02  Alluminated Area	outdoor Sales Lo p-off zone: Out used per locat  03  LLOTTED WATTS  Wattage Allowance per	FOOT OF ots; Vehicle tdoor Dining ion, use mu O4  Allotted Watts (02 x 03)	Service Statio  S; Special Secultiple rows for  05  Luminaire Code or	REA - Table 140.7-B n Hardscape; Vehicle Service trity Lighting for Retail Parking that location 06 DESIG	Station Canop g and Pedestri 07 N WATTS Luminaire	ies; Sales Car an Hardscape 08 Watts per	0 0 nting on the site:.  opies; Non-sales 2.  09  Design Watts (07 x 08) 0	10 Allowed Watts
- Allowances for Bui Guard Stations; Stud - If more than one I 01 Name of Location for Which Allowance	Iding Facades; Clent Pick-up/Drouminaire type is  02  Alluminated Area	outdoor Sales Lo p-off zone: Out used per locat  03  LLOTTED WATTS  Wattage Allowance per	FOOT OF ots; Vehicle tdoor Dining ion, use mu O4  Allotted Watts (02 x 03) O	Service Statio  S; Special Secultiple rows for  05  Luminaire Code or	REA - Table 140.7-B n Hardscape; Vehicle Service trity Lighting for Retail Parking that location 06 DESIG	Station Canop g and Pedestri 07 N WATTS Luminaire	ies; Sales Car an Hardscape 08 Watts per	O O oting on the site:.  opies; Non-sales  O Design Watts (07 x 08) O O	10 Allowed Watts

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

ERTIFICATE OF COMPLIANCE	CALIFORNIA ENERGY COMMISSION NRCC-LTO-03-E
Outdoor Lighting Power Allowances	(Page 4 of 4)
<sup>Oject Name:</sup> ALTA MURRIETA ELEMENTARY SCHOOL - SITE LIGHT & PAI	RKING LOT EXPANSION Date Prepared: 2/8/2017
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT  L. I certify that this Certificate of Compliance documentation is accurate and	as and as
Documentation Author Name:  Monica Hansen	
	Documentation Author Signature: MMULL KAUSE - H
Company: Johnson Consulting Engineers, Inc.	Signature Date: 2/8/2017
Address: 12875 Brookprinter Place, Suite 300	CEA Certification Identification (if applicable):
City/State/Zip: Poway, CA 92064	Phone: 858-679-4030
RESPONSIBLE PERSON'S DECLARATION STATEMENT	
<ol> <li>I am eligible under Division 3 of the Business and Professions Code to acce (responsible designer).</li> <li>The energy features and performance specifications, materials, componen Compliance conform to the requirements of Title 24, Part 1 and Part 6 of t</li> <li>The building design features or system design features identified on this C documents, worksheets, calculations, plans and specifications submitted t</li> <li>I will ensure that a completed signed copy of this Certificate of Compliance enforcement agency for all applicable inspections. I understand that a combuilder provides to the building owner at occupancy.</li> </ol>	California: rect. rect. rept responsibility for the building design or system design identified on this Certificate of Compliance hts, and manufactured devices for the building design or system design identified on this Certificate of the California Code of Regulations. retificate of Compliance are consistent with the information provided on other applicable compliance o the enforcement agency for approval with this building permit application. responsible to the shall be made available with the building permit(s) issued for the building, and made available to the repleted signed copy of this Certificate of Compliance is required to be included with the documentation the
RESPONSIBLE PERSON'S DECLARATION STATEMENT  I certify the following under penalty of perjury, under the laws of the State of C  1. The information provided on this Certificate of Compliance is true and con  2. I am eligible under Division 3 of the Business and Professions Code to acce (responsible designer).  3. The energy features and performance specifications, materials, componen Compliance conform to the requirements of Title 24, Part 1 and Part 6 of t  4. The building design features or system design features identified on this C documents, worksheets, calculations, plans and specifications submitted t  5. I will ensure that a completed signed copy of this Certificate of Compliance enforcement agency for all applicable inspections. I understand that a com builder provides to the building owner at occupancy.  Responsible Designer Name:  Monica Hansen	California: rect. ept responsibility for the building design or system design identified on this Certificate of Compliance ents, and manufactured devices for the building design or system design identified on this Certificate of the California Code of Regulations. ertificate of Compliance are consistent with the information provided on other applicable compliance to the enforcement agency for approval with this building permit application. e shall be made available with the building permit(s) issued for the building, and made available to the enpleted signed copy of this Certificate of Compliance is required to be included with the documentation the
RESPONSIBLE PERSON'S DECLARATION STATEMENT  I certify the following under penalty of perjury, under the laws of the State of C  1. The information provided on this Certificate of Compliance is true and con  2. I am eligible under Division 3 of the Business and Professions Code to acce (responsible designer).  3. The energy features and performance specifications, materials, componen Compliance conform to the requirements of Title 24, Part 1 and Part 6 of t  4. The building design features or system design features identified on this C documents, worksheets, calculations, plans and specifications submitted t  5. I will ensure that a completed signed copy of this Certificate of Compliance enforcement agency for all applicable inspections. I understand that a com	California: rect. rect. rept responsibility for the building design or system design identified on this Certificate of Compliance hts, and manufactured devices for the building design or system design identified on this Certificate of the California Code of Regulations. retificate of Compliance are consistent with the information provided on other applicable compliance o the enforcement agency for approval with this building permit application. e shall be made available with the building permit(s) issued for the building, and made available to the upleted signed copy of this Certificate of Compliance is required to be included with the documentation the

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance



Baker Momicki designstudio

MURRIETA VALLEY UNIFIED SCHOOL

ALTA MURRIETA ELEMENTARY

SCHOOL PARKING EXPANSION

DISTRICT

KEYNOTES

731 Ninth Avenue, Suite A, San Diego, California 92101 619.795.2450

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Power| Lighting | Multimedia
Communications | Data Networking

P 858.679.4030| F 858.513.0559 #16092 2/10/2017 www.jce-inc.com

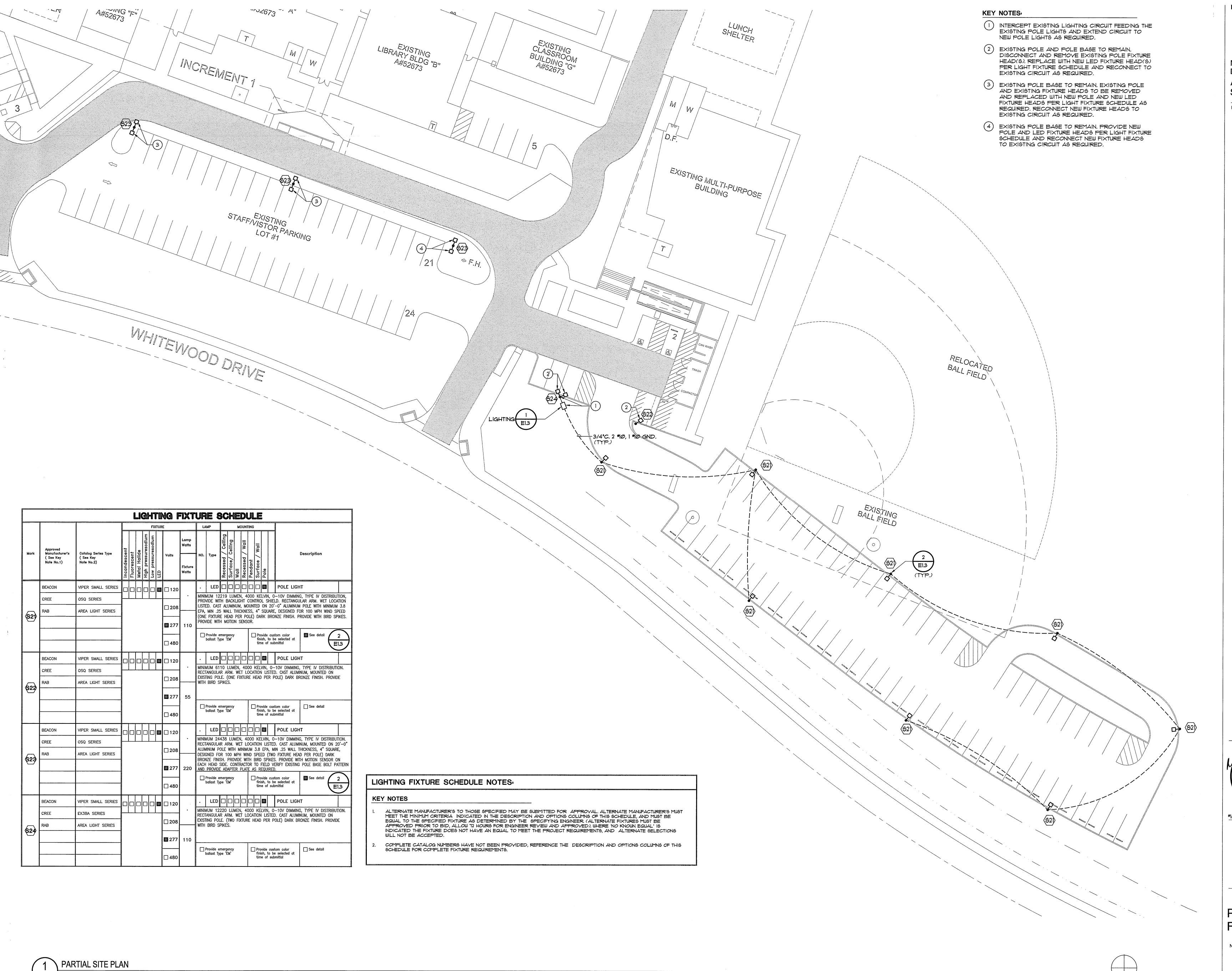
> IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES APPL# 04-115979

DATE: APR 1 2 2017

TITLE 24

NO. DATE

4/1/2017

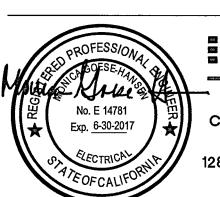


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MURRIETA VALLEY UNIFIED SCHOOL DISTRICT

**ALTA MURRIETA ELEMENTARY** SCHOOL PARKING EXPANSION

KEYNOTES



4/10/2017

JOHNSON CONSULTING ENGINEERS, INC.

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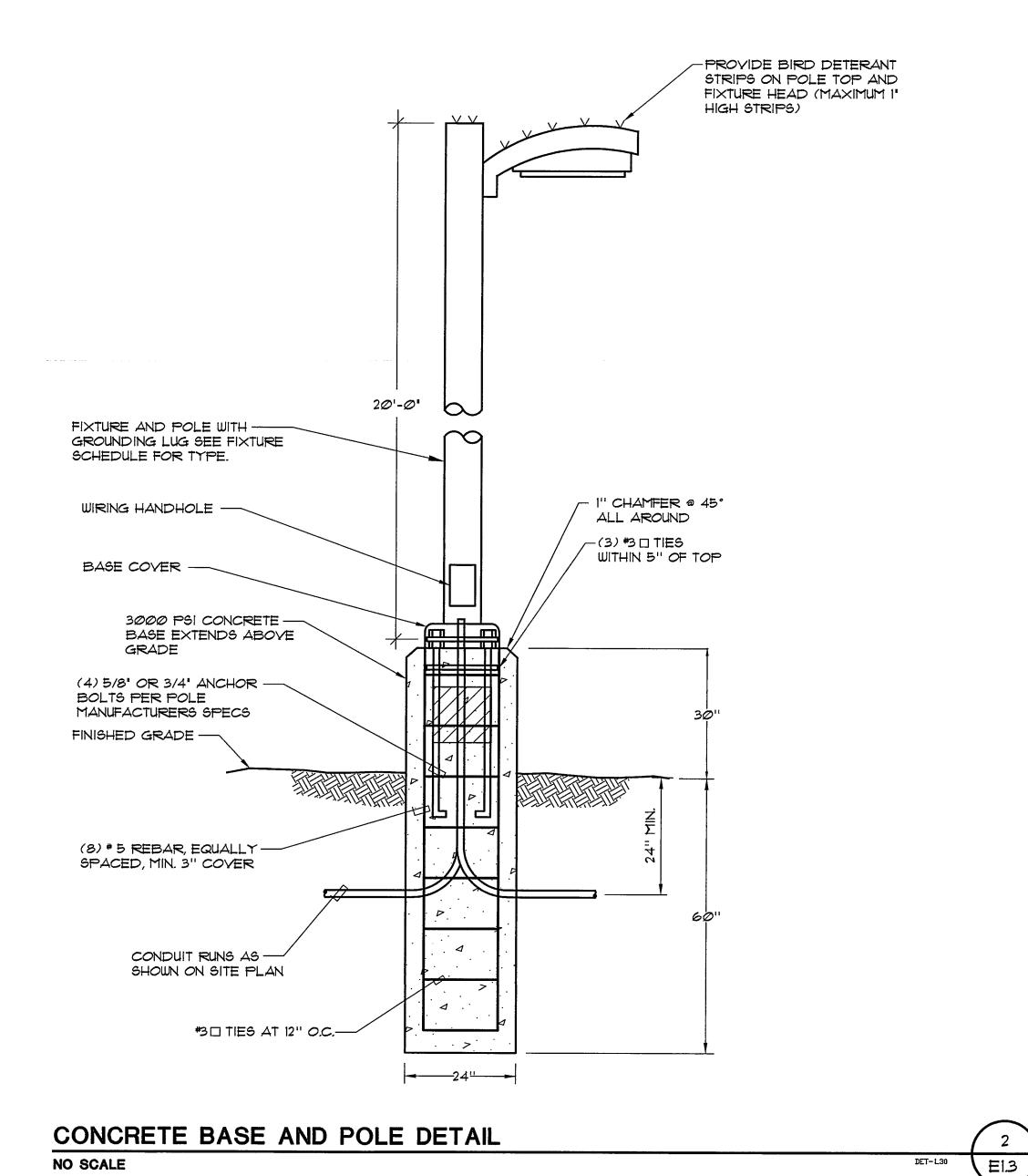
APPL# 04-115979 AC \_\_\_\_ F/LS \_\_\_\_\_ SS \_\_\_ DATE: APR 1.2 2017

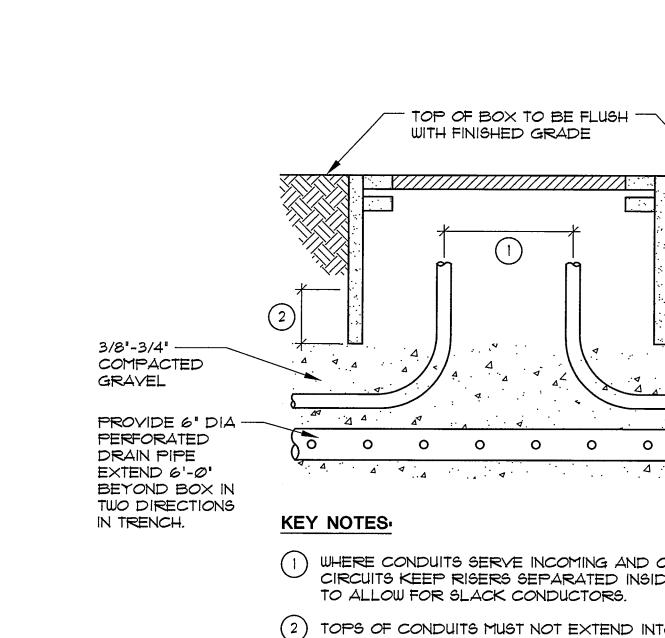
#### PARTIAL SITE PLAN & LIGHT FIXTURE SCHEDULE

NO. DATE

4/1/2017

E1.2





UHERE CONDUITS SERVE INCOMING AND OUTGOING CIRCUITS KEEP RISERS SEPARATED INSIDE PULLBOX TO ALLOW FOR SLACK CONDUCTORS.

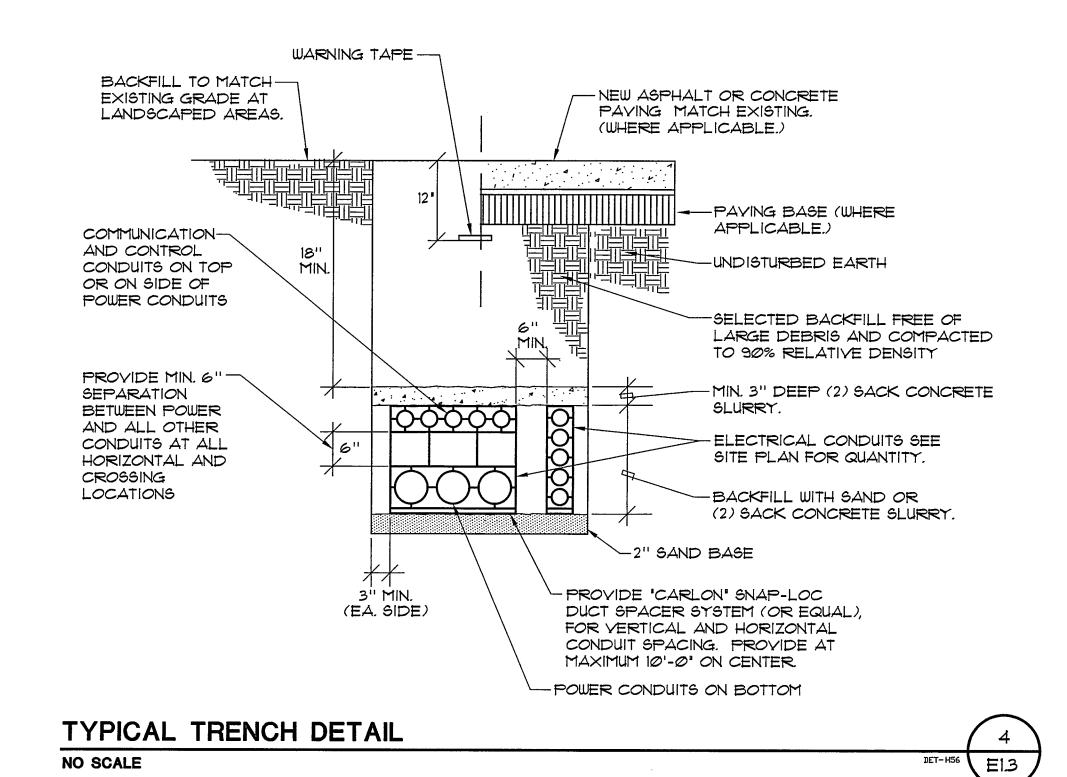
(2) TOPS OF CONDUITS MUST NOT EXTEND INTO PULLBOX MORE THAN 1/3 OF THE TOTAL AVAILABLE INSIDE BOX HEIGHT. IN ORDER TO ALLOW ADEQUATE SPACE FOR CABLE SLACK.

UNDERGROUND PULLBOX STYLE 'A' OR 'B' TYP. INSTALLATION NO SCALE

El.3

· + + BOTTOM

TRENCH



PROVIDE DESCRIPTION LABEL

INSTALLED AT EACH LOCATION.

PIECE STEEL CHECKER PLATE

LID WITH STAINLESS STEEL BOLT

DOWN ASSEMBLY.

"POWER", "LIGHTING", "SIGNAL" OR "FIRE

ALARM' TO MATCH CABLING SYSTEM

-ETCHED POLYETHYLENE FACE ANCHORED INTO CONCRETE.

- HIGH DENSITY REINFORCED

WHERE LOCATED IN DRIVEABLE ARES USE:

E1.3

CONCRETE WITH END AND

"BES CONCRETE \* CIØIT SERIES

"BES CONCRETE" \* C9E SERIES

SIDE KNOCK OUTS.

"CHRISTY" "BIØIT SERIES

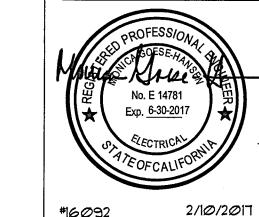
ALL OTHER AREAS USE: "CHRISTY" #N9 SERIES

LIGHTING -

UNDERGROUND PULLBOX STYLE 'A'

12"(MIN.)

NO SCALE



JOHNSON

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MURRIETA VALLEY UNIFIED SCHOOL

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SCHOOL PARKING EXPANSION

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IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES

**ELECTRICAL DETAILS** 

4/1/2017

E1.3