THOMPSON MIDDLE SCHOOL

PARKING LOT IMPROVEMENTS

MURRIETA VALLEY UNIFIED SCHOOL DISTRICT MURRIETA, CALIFORNIA

THESE DRAWINGS DO NOT CONTAIN THE NECESSARY COMPONENTS

LOCATIONS OF ALL UTILITIES SHOWN ARE APPROXIMATE AND CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID INTERCEPTING EXISTING CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT AND TO PROTECT THEM FROM DAMAGE. THE ARCHITECT IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY ANY OTHER CONTRACT. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT SHOULD ANY UNIDENTIFIED CONDITIONS BE DISCOVERED. THE CONTRACTOR

SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT OF UTILITIES

OR OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION

FOR CONSTRUCTION SAFETY.

WITH THE EXECUTION OF THIS WORK.

- THESE DOCUMENTS AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, ARE THE PROPERTY OF WLC ARCHITECTS, INC., AND ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF WLC ARCHITECTS, INC.
- THE WORK SHOWN ON THESE DRAWINGS AS EXISTING CONDITIONS WAS PREPARED FROM INFORMATION FURNISHED BY THE OWNER. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE. WLC ARCHITECTS, INC. IS NOT RESPONSIBLE FOR THE ACCURACY OR ADEQUACY OF ANY WORK SHOWN AS EXISTING NOR IS WLC ARCHITECTS. INC. RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THESE DRAWINGS AS A
- EACH BIDDER SHALL POSSESS AT THE TIME OF BID A CLASS B OR THE APPROPRIATE CLASS C CONTRACTOR'S LICENSE PURSUANT TO PUBLIC CONTRACT CODE SECTION 3300 AND BUSINESS AND PROFESSIONS CODE SECTION 7028.15. THE SUCCESSFUL BIDDER MUST MAINTAIN THE LICENSE THROUGHOUT THE DURATION OF THIS CONTRACT.

FIRE SAFETY DURING CONSTRUCTION

- GENERAL: FIRE SAFETY DURING CONSTRUCTION SHALL COMPLY WITH CALIFORNIA FIRE CODE (CFC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 9, CHAPTER 14.
- ACCESS ROADS: FIRE DEPARTMENT ACCESS ROADS SHALL BE ESTABLISHED AND MAINTAINED IN ACCORDANCE WITH CHAPTER 14. SECTION 1410.
- WATER SUPPLY: WATER MAINS AND HYDRANTS SHALL BE OPERATIONAL IN ACCORDANCE WITH CHAPTER 14.SECTION
- BUILDING ACCESS: ACCESS TO BUILDINGS FOR THE PURPOSE OF FIREFIGHTING SHALL BE PROVIDED. CONSTRUCTION MATERIAL SHALL NOT BLOCK ACCESS TO BUILDINGS HYDRANTS OR FIRE APPLIANCES.
- ALTERATIONS OF BUILDINGS: SHALL COMPLY WITH APPLICABLE **PROVISIONS OF CHAPTER 14**
- DEMOLITION OF BUILDINGS: SHALL COMPLY APPLICABLE PROVISIONS OF CHAPTER 14.
- FIRE WATCH: MAINTAIN FIRE WATCH WHEN REQUIRED BY THE BUILDING OFFICIAL AND WHEN EXISTING FIRE PROTECTION SYSTEMS ARE SHUT DOWN FOR ALTERATIONS. FIRE WATCH SHALL REMAIN IN EFFECT UNTIL EXISTING FIRE PROTECTION SYSTEMS ARE RETURNED TO SERVICE OR AS ALLOWED BY THE **BUILDING OFFICIAL**
- PENETRATIONS TO FIRE RATED MATERIALS OR ASSEMBLIES SHALL BE RESTORED TO EQUAL RATING. FIRE STOP SYSTEMS AS LISTED BY UNDERWRITERS LABORATORIES SHALL BE INSTALLED PER FIRE RESISTANCE DIRECTORY. FIRE STOP SYSTEMS SHALL BE AS SPECIFIED.
- NONRESIDENTIAL ENERGY STANDARDS COMPLIANCE STATEMENT (TITLE 24, PART 6):

THE DESIGN INDICATED HEREIN COMPLIES WITH THE REQUIREMENTS OF THE ENERGY CONSERVATION STANDARDS OF TITLE 24, PART 6. CALIFORNIA CODE OF REGULATIONS. THE PROPOSED BUILDING(S) WILL BE IN COMPLIANCE WITH THE ENERGY CONSERVATION STANDARDS PROVIDED IT (THEY) IS (ARE) BUILT ACCORDING TO THESE DRAWINGS AND SPECIFICATIONS AND PROVIDED ANY FUTURE IMPROVEMENTS ARE COMPLETED ACCORDING TO THE REQUIREMENTS OF TITLE 24, PART 6, CALIFORNIA CODE OF REGULATIONS. THESE PLANS AND SPECIFICATIONS HAVE BEEN PREPARED TO INCLUDE ALL SIGNIFICANT ENERGY CONSERVATION FEATURES REQUIRED FOR COMPLIANCE WITH THE STANDARDS. BUILDING AREAS THAT ARE UNCONDITIONED AND/OR NOT SUBJECT TO THE STANDARDS ARE INDICATED ON THE PLANS.

8. (CONT) ENVELOPE MANDATORY MEASURES

INSTALLED INSULATING MATERIALS SHALL HAVE BEEN CERTIFIED BY THE MANUFACTURER TO COMPLY WITH THE CALIFORNIA QUALITY STANDARDS FOR INSULATING MATERIAL

GENERAL NOTES

- ALL INSULATING MATERIALS SHALL BE INSTALLED IN COMPLIANCE WITH THE FLAME SPREAD RATING AND SMOKE DENSITY REQUIREMENTS OF TITLE 24, PART 2, CALIFORNIA CODE OF REGULATIONS, SECTIONS 719 AND 2603.
- ALL EXTERIOR JOINTS AND OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL AND OBSERVABLE SOURCES OF AIR LEAKAGE SHALL BE CAULKED, GASKETED, WEATHERSTRIPPED OR OTHERWISE SEALED.
- SITE CONSTRUCTED DOORS, WINDOWS, AND SKYLIGHTS SHALL BE CAULKED BETWEEN THE UNIT AND THE BUILDING, AND SHALL BE WEATHERSTRIPPED (EXCEPT FOR UNFRAMED GLASS DOORS AND FIRE DOORS).
- MANUFACTURED DOORS AND WINDOWS INSTALLED SHALL HAVE AIR INFILTRATION RATES CERTIFIED BY THE MANUFACTURER IN ACCORDANCE WITH TITLE 24, PART 6. CALIFORNIA CODE OF REGULATIONS, SECTION 116(a)1.
- MANUFACTURED FENESTRATION PRODUCTS IN THE ENVELOPE OF THE BUILDING, INCLUDING, BUT NOT LIMITED TO, WINDOWS, SLIDING GLASS DOORS, FRENCH DOORS, SKYLIGHTS, CURTAIN WALLS, AND GARDEN WINDOWS MUST BE LABELED FOR U-VALUE IN ACCORDANCE WITH THE (NFRC) NATIONAL FENESTRATION RATING COUNCIL'S INTERIM U-VALUE RATING
- DEMISING WALL INSULATION SHALL BE INSTALLED IN ALL OPAQUE PORTIONS OF FRAMED WALLS (EXCEPT DOORS).

PROOF LOAD TESTS FOR EXPANSION TYPE ANCHOR BOLTS:

- ANCHOR DIAMETER REFERS TO THE THREAD SIZE FOR THE WEDGE CATEGORY ANCHOR.
- APPLY PROOF TEST LOADS TO WEDGE ANCHORS WITHOUT REMOVING THE NUT IF POSSIBLE. IF NOT, REMOVE NUT AND INSTALL A THREADED COUPLER TO THE SAME TIGHTNESS OF THE ORIGINAL NUT USING A TORQUE WRENCH AND APPLY LOAD.
- REACTION LOADS FROM TEST FIXTURES MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED, PROVIDED THE ANCHOR IS NOT RESTRAINED FROM WITHDRAWING BY THE FIXTURE(S).
- TEST EQUIPMENT IS TO BE CALIBRATED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH STANDARD
- RECOGNIZED PROCEDURES. THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF

INSTALLED ANCHORS:

- HYDRAULIC RAM METHOD: THE ANCHOR SHOULD HAVE NO OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD. FOR WEDGE TYPE ANCHORS, A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER UNDER THE NUT BECOMES LOOSE. DROP IN ANCHORS ARE ONLY TO BE TESTED WITH THIS METHOD.
- TORQUE WRENCH METHOD: THE APPLICABLE TEST TORQUE MUST BE REACHED WITHIN THE FOLLOWING LIMITS FOR WEDGE ANCHORS: ONE-HALF (1/2) TURN OF THE NUT.
- IF MANUFACTURERS TORQUE IS LESS THAN SPECIFIED TEST TORQUE THE MANUFACTURERS LISTED TORQUE SHALL BE USED FOR TESTING.

TESTING SHOULD OCCUR 24 HOURS MINIMUM AFTER INSTALLATION OF THE SUBJECT ANCHORS

ALL EXPANSION TYPE ANCHOR BOLTS USED FOR STRUCTURAL APPLICATIONS SHALL BE TESTED. ALL ANCHOR BOLTS OF THE **EXPANSION TYPE USED FOR NON STRUCTURAL APPLICATIONS** (LOADED IN EITHER PULLOUT OR SHEAR) SHALL HAVE 50 PERCENT OF THE BOLTS (ALTERNATE BOLTS IN ANY GROUP ARRANGEMENT ALLOWED BY THE TYPE OF SUBSTRATE AND DIAMETER OF BOLT LISTED BELOW UNDER TEST VALUES TABLE) PROOF TESTED IN TENSION TO TWICE THE ALLOWABLE TENSION LOAD. IF THERE ARE ANY FAILURES. THE IMMEDIATELY ADJACENT BOLTS MUST THEN ALSO BE TESTED. TESTING SHALL BE PERFORMED IN ACCORDANCE WITH TITLE 24. PART 2, SECTION 1916A.7 AND IR 19-1

ALL BOLTS MUST HAVE ICC/ES APPROVAL.

- ALL ANCHOR BOLTS OF THE EXPANSION TYPE INSTALLED IN CONCRETE SHALL BE ONE OF THE FOLLOWING:
 - 1. ITW RAMSET/REDHEAD-WEDGE ANCHOR-ICC/ES NO. 2427 2. HILTI, INC.- QWIK BOLT TZ -WEDGE ANCHOR-ICC/ES NO. 1917 3. SIMPSON - STRONGBOLT 2 - WEDGE ANCHOR - ICC/ES NO. 3037

MIMIMUM TEST VALUES NORMALWEIGHT OR LIGHTWEIGHT CONCRETE

DIA. (IN)	TENSION LOAD (LBS)	TORQUE (FT-LBS)	EMBED MENT (IN)	Ann all Ma	water	12 15400
W W D	***	***			9 -	40 M 45
3/8	1,100	25	2	W2 A42 MA	42 144 144	44,4236
1/2	2,000	50	3-1/4	YAR	40 30 50	964 4K 9A
5/8	2,300	80	4-1/4			484
3/4	3,700	150	4-3/4	40 MW	We still Mad	******

MIMIMUM TEST VALUES GROUT FILLED CONCRETE MASONRY

	ANC	HOR	WEI	DGE		100 Tip right	
	DIA. (IN)	TENSION LOAD (LBS)	TORQUE (FT-LBS)	EMBED MENT (IN)	• · ·	M FOLE	
•	1/4	1,080	4	2		## E2	
•	3/8	1,564	15	2-1/2	Ser de ISI	ene pai, com	चय वर्ध और
	1/2	1,810	25	3-1/2	***	40 NO MS	ONE VALUE COTO
•	5/8	2,484	65	4			
•	3/4	3,290	120	4-3/8	647 NOT 465	with their diese	an 20 ib

POWDER DRIVEN CONCRETE FASTENERS:

- GENERAL: USE OF POWDER DRIVEN CONCRETE FASTENERS FOR TENSION LOADS IS LIMITED TO SUPPORT OF MINOR LOADS LIKE ACOUSTICAL CEILINGS, DUCT WORK, CONDUIT.
- ALLOWABLE LOADS: IN GENERAL, LOADS SHOULD BE LIMITED TO LESS THAN 100 POUNDS. HOWEVER, GREATER LOADS MAY BE PERMITTED FOR SPECIAL CASES WHEN APPROVED BY THE CHECKING SUPERVISOR OR FIELD ENGINEER.
- TESTING: THE OPERATOR, TOOL, AND FASTENER SHALL BE PREQUALIFIED BY THE PROJECT INSPECTOR. HE SHALL OBSERVE THE TESTING OF THE FIRST 10 FASTENER INSTALLATIONS. A TEST "PULL-OUT" LOAD OF NOT LESS THAN TWICE THE DESIGN LOAD, OR 200 POUNDS, WHICHEVER IS GREATER SHALL BE APPLIED TO THE PIN IN SUCH A MANNER AS NOT TO RESIST THE SPALLING TENDENCY OF THE CONCRETE AROUND THE PIN, THEREAFTER, RANDOM TESTS UNDER THE PROJECT INSPECTOR'S SUPERVISION SHALL BE MADE OF APPROXIMATELY 1 IN 10 PINS, EXCEPT THAT WHEN THE DESIGN LOAD EXCEEDS 100 POUNDS, ONE HALF OF THE PINS SHALL BE TESTED. SHOULD FAILURE OCCUR ON ANY PIN TESTED, ALL INSTALLATIONS MUST BE TESTED AND UNFAIR PINS REPLACED.
- ALL POWDER DRIVEN CONCRETE FASTENERS SHALL BE ONE OF THE FOLLOWING:
 - HILTI, INC.
- X-CP 72 PINS WOOD PLATE ICC/ES NO. 2379 X-U PINS - STEEL TRACK - ICC/ES NO. 2269 ITW RAMSET/REDHEAD
- DRIVE PIN WOOD PLATE ICC/ES NO. 2690 DRIVE PIN - STEEL TRACK - ICC/ES NO. 1799
- SIMPSON STRONG-TIE CO., INC. PDPWL-300MG - WOOD PLATE - ICC/ES NO. 2138 PDPA-125- STEEL TRACK - ICC/ES NO. 2138

12. INSPECTOR OF RECORD REQUIREMENTS

- ONE OR MORE INSPECTORS EMPLOYED BY THE OWNER IN ACCORDANCE WITH THE REQUIREMENTS OF TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS WILL BE ASSIGNED TO THE WORK. THE INSPECTORS DUTIES ARE SPECIFICALLY DEFINED IN SECTION 4-342 OF SAID TITLE 24, PART 1 AND IN ADDITION SHALL BE AS STIPULATED IN INTERPRETATION OF REGULATION DOCUMENT IR A-8.
- INSPECTOR SHALL BE CERTIFIED AS A CLASS 3 INSPECTOR THROUGH THE DIVISION OF THE STATE ARCHITECT INSPECTOR EXAMINATION PROGRAM. INSPECTOR SHALL ALSO BE SPECIFICALLY APPROVED BY THE DIVISION OF THE STATE ARCHITECT FOR THIS PROJECT AT LEAST 10 DAYS PRIOR TO THE START OF ANY WORK FOR THIS PROJECT.
- 13. ALL WORK SHOWN ON THESE DRAWINGS SHALL COMPLY WITH THE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS
- 14. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY TITLE 24. CCR. PART 1. SECTION 4-338.
- 15. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIROMENTAL HEALTH CONCIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
- 16. DRINKING WATER SHALL COMPLY WITH ALL LOCAL HEALTH DEPARTMENT REQUIREMENTS.

THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ADDITION. ALTERATION OR RECONSTRUCTION IS IN COMPLIANCE WITH THE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT IDENTIFIED BY THE CONTRACT DOCUMENTS WHEREIN THE FINAL WORK WOULD NOT COMPLY WITH THE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND THE ARCHITECT OF THE CONDITION IN WRITING OR TIME COMMENSURATE WITH THE AMOUNT OF ADDITIONAL WORK REQUIRED IF ANY. A CONSTRUCTION CHANGE DOCUMENT SHALL BE APPROVED BY THE DIVISION OF THE STATE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK REQUIRED BY THE CONSTRUCTION CHANGE DOCUMENT.

GOVERNING CODES

(2012 INTERNATIONAL BUILDING

CODE (IBC) W/ CALIFORNIA

AMENDMENTS) 2013

(2011 NATIONAL ELECTRIC

AMENDMENTS) 2013

CODE (NEC) W/ CALIFORNIA

(2012 UNIFORM MECHANICAL

CODE (UMC) W/ CALIFORNIA

AMENDMENTS) 2013

(2012 UNIFORM PLUMBING

AMENDMENTS) 2013

(2012 INTERNATIONAL FIRE

CODE (IFC) W/ CALIFORNIA

(2012 INTERNATIONAL EXISTING

AMENDMENTS) 2013

BUILDING CODE (IEBC) W/

1990 STATE FIRE MARSHAL

CALIFORNIA AMENDMENTS)

CODE (UPC) W/ CALIFORNIA

2013 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE CALIFORNIA CODE OF REGULATIONS

(CCR) TITLE 24, PART 1

2013 CALIFORNIA BUILDING CODE (CBC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 2

2013 CALIFORNIA ELECTRICAL CODE (CEC) CALIFORNIA CODE OF REGULATIONS

(CCR) TITLE 24, PART 3 2013 CALIFORNIA MECHANICAL CODE (CMC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 4

2013 CALIFORNIA PLUMBING CODE (CPC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 5

2013 CALIFORNIA ENERGY CODE CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 6

2013 CALIFORNIA FIRE CODE (CFC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 9

2013 CALIFORNIA EXISTING **BUILDING CODE** CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 10

2013 CALIFORNIA GREEN BUILDING STANDARDS CODE (CAL GREEN) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 11

2013 CALIFORNIA REFERENCED STANDARDS CODE -CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 12

REGULATIONS (AS AMENDED TO DATE) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 19

APPLICABLE NFPA STANDARDS NFPA 17 - DRY CHEMICAL EXTINGUISHING SYSTEMS, 2013 EDITION NFPA 17A - WET CHEMICAL SYSTEMS, 2013 EDITION

NOTE: ALL NFPA STANDARDS AS LISTED ARE TO CONFORM TO THE EDITION AS LISTED WITH THE LATEST CALIFORNIA AMENDMENTS. REFERENCE CBC TITLE 24. PART 2 - CHAPTER 35 FOR ADDITIONAL APPLICABLE NFPA STANDARDS.

GOVERNING AGENCIES

DIVISION OF THE STATE ARCHITECT STRUCTURAL SAFETY SECTION (DSA/SSS) 10920 VIA FRONTERA SUITE 300 SAN DIEGO, CALIFORNIA 92127 (858) 674-5400 (858) 674-5471 FAX

DIVISION OF THE STATE ARCHITECT OFFICE OF UNIVERSAL DESIGN (DSA/OUD) (ACCESS COMPLIANCE SECTION) 10920 VIA FRONTERA SUITE 300 SAN DIEGO, CALIFORNIA 92127 (858) 674-5400 (858) 674-5471 FAX

DIVISION OF THE STATE ARCHITECT FIRE AND LIFE SAFETY SECTION (DSA/FLS) 10920 VIA FRONTERA SUITE 300 SAN DIEGO, CALIFORNIA 92127 (858) 674-5400 (858) 674-5471 FAX

PROJECT TEAM

24040 HAYES AVENUE MURRIETA, CA 92562

OWNER

951-304-1536

ARCHITECT WLC ARCHITECTS, INC. 8163 ROCHESTER AVE., SUITE 100 RANCHO CUCAMONGA, CA 91730 PHONE: 909-987-0909 909-980-9980

ELECTRICAL

TTG - TMAD TAYLOR & GAINS

901 VIA PIEMONTE, SUITE 400

909-477-6915

909-942-5544

909-374-0412

909-477-6916

LANDSCAPE ARCHITECT

KDA LANDSCAPE ARCHITECTS

SAN DIEGO, CA 92101-7176

PHONE: 619-840-5174

325 7th AVENUE #214

ONTARIO, CA 91764

PROJECT ADDRESS THOMPSON MIDDLE SCHOOL

VISTA VALLEY MURRIETA UNIFIED SCHOOL DISTRICT 41870 McALBY COURT MURRIETA, CA 92563

EPIC ENGINEERS, INC 101 E. REDLANDS BLVD. REDLANDS, CA 92373 909-792-5969 909-792-8869

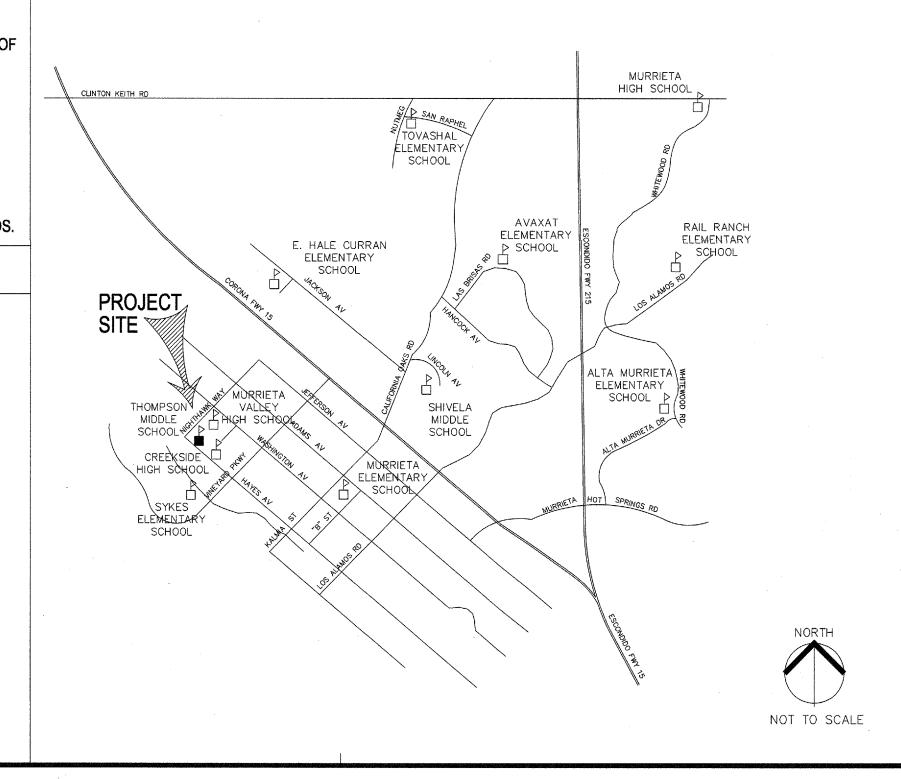
SCOPE OF WORK DESCRIPTION

THE SCOPE OF THE WORK AS STATED BELOW IS FOR DSA PLAN REVIEW PURPOSES ONLY AND DOES NOT CONSTITUTE A DETAILED AND FULL EXPLANATION OF THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

PARKING LOT IMPROVEMENTS INCLUDING NEW BUS LANE, ADDITIONAL PARKING SPACES, EXPANSION OF SIDE WALK AREAS, ACCESSIBLE DROP-OFF AREAS, INSTALLATION OF NEW SOLAR POWERED LIGHT POLES. THIS SCOPE OF WORK INCLUDES ARCHITECTURAL, CIVIL, LANDSCAPE AND ELECTRICAL WORK.

FOR A LIST OF DSA CERTIFICATION NUMBERS AS THEY PERTAIN TO THIS SITE, SEE SHEET A1.1-LEGEND.

VICINITY MAP





SOUTHERN CALIFORNIA 8163 ROCHESTER AVENUE, SUITE 100 RANCHO CUCAMONGA

CALIFORNIA 91730-0729

TEL: 909-987-0909 www.wlcarchitects.com

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GEORGE M. WIENS C-14546 Ren. Date: 08/31/17

OF OF CONSULTANT

> SS: V. GARCIA FLG: t.burke ACS: R. MULLEN

DIV. OF THE STATE ARCHITECT **DIFFICE OF REGULATION SERVICE** 115281/ AC PLS H2 SS 1V DATE MAY 1 9 2016

NO DATE BY DESCRIPTION

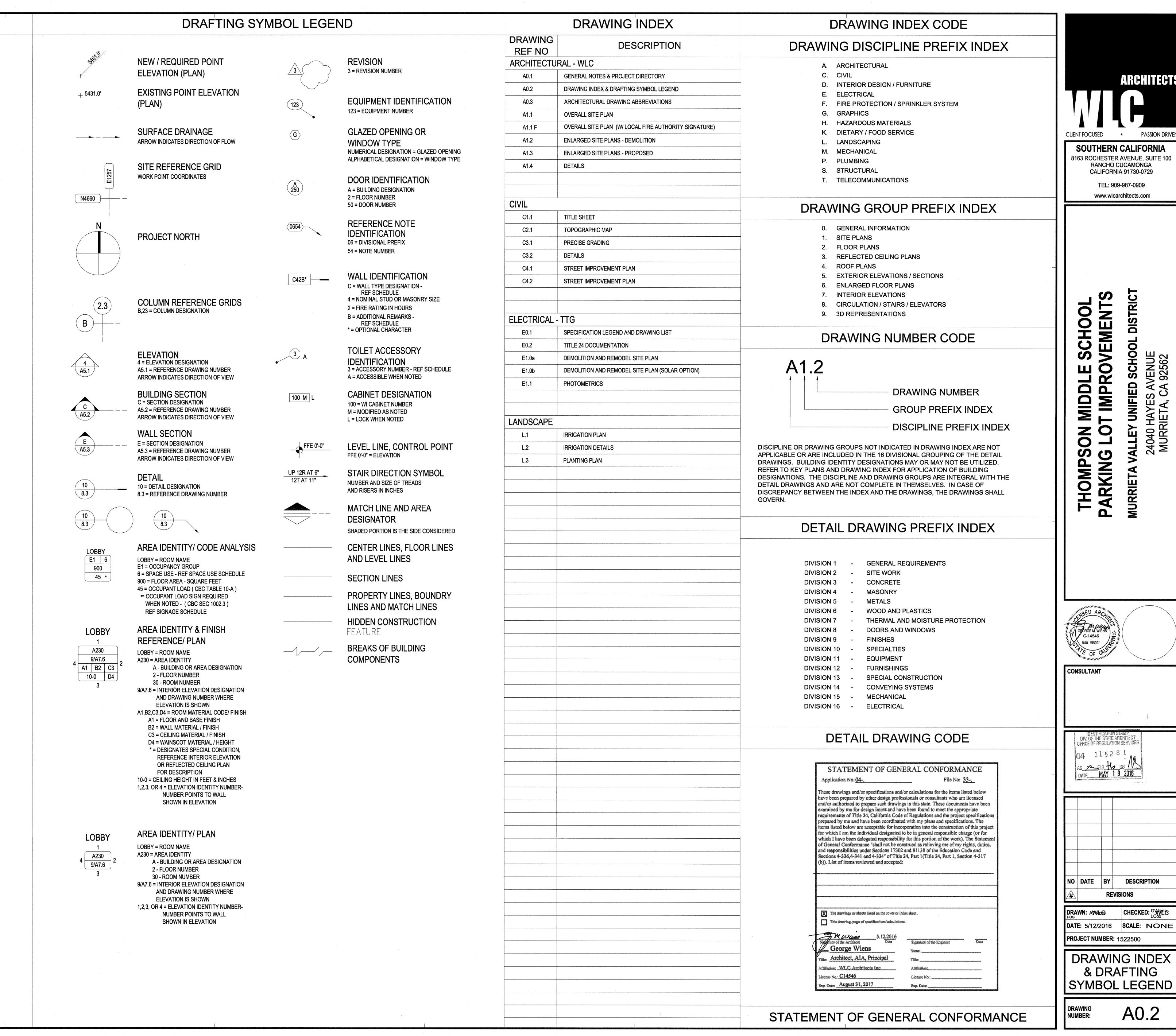
CHECKED: GWiens, DRAWN: ATorres DATE: 5/12/2016 | SCALE: PROJECT NUMBER: 1522500

REVISIONS

GENERAL NOTES & PROJECT DIRECTORY

DRAWING

A0.1



DRAWING A0.2 NUMBER:

ARCHITECTS

SOUTHERN CALIFORNIA

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DISTRICT

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MURRIETA

SCHOOL VENUE 92562

VALLEY UNIFI 24040 HAYES MURRIETA,

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WIND OF CALL

DIV. OF THE STATE ARCHITED

AC FLS HS SS /VS DATE MAY 1 9 2016

REVISIONS

DRAWING INDEX

& DRAFTING

CHECKED: GWYLE

Ran. Date: 08/31/17

ARCHITECTURAL DRAWING ABBREVIATIONS

	S		
& _	AND ANGLE	CUFT CUIN	CUBIC FOOT CUBIC INCH
@ CL	AT CENTERLINE	CUST CUYD	CUSTODIAN CUBIC YARD
-	CHANNEL		
Ф (E)	DIAMETER OR ROUND EXISTING	D DA	DRAIN DOUBLEACTING
(N) d	NEW PENNY (NAILS)	DBL	DOUBLE
<u></u>	PERPENDICULAR	DEMO DEP	DEMOLISH, DEMOLITION DEPRESSED
PL #	PLATE POUND OR NUMBER	DEPT DET	DEPARTMENT DETAIL
A (O	AID CONDITIONING	- DF DH	DRINKING FOUNTAIN DOUBLE HUNG
A/C A/E	AIR CONDITIONING ARCHITECT/ENGINEER	DIA	DIAMETER
AB ABAN	ANCHOR BOLT ABANDON	DIAG DIFF	DIAGONAL DIFFUSER
ABC	AGGREGATE BASE COURSE ABOVE	DIM DISP	DIMENSION DISPENSER
ABV AC	ASPHALTIC CONCRETE	DIV DMPF	DIVISION DAMPPROOFING
ACC ACST	ACCESS(IBLE) ACOUSTICAL	DMT	DEMOUNTABLE
ACT AD	ACOUSTICAL CEILING TILE AREA DRAIN	DN DR	DOWN DOOR
ADDM	ADDENDUM	DRB DRLV	DRAINBOARD DOOR LOUVER
ADH ADJ	ADHESIVE ADJUSTABLE	DS	DOWNSPOUT
ADJC AFF	ADJACENT ABOVE FINISHED FLOOR	DSP DT	DRY STANDPIPE DRAIN TILE
AFG	ABOVE FINISHED GRADE	DVTL DW	DOVETAIL DISHWASHER
AGGR AHU	AGGREGATE AIR HANDLING UNIT	DWG	DRAWING
AL ALT	ALUMINUM ALTERNATE	DWL DWR	DOWEL DRAWER
ANC	ANCHOR, ANCHORAGE		
APLD APPRX	APPLIED APPROXIMATE	E EA	EAST EACH
ARCH	ARCHITECT(URAL) ABOVE SUSPENDED CEILING	EAR EB	EXHAUST AIR REGISTER EXPANSION BOLT
ASC ASPH	ASPHALT	EE	EACH END
ASSY ASYM	ASSEMBLY ASYMMETRICAL	EF EFS	EACH FACE EXTERIOR FINISH SYSTEM
AWG	AMERICAN WIRE GAGE	EHD EIFS	ELECTRIC HAND DRYER EXTERIOR INSULATION AND
ВС	BACK OF CURB		FINISH SYSTEM
BD BITUM	BOARD BITUMINOUS	EJ EL	EXPANSION JOINT ELEVATION
BLDG	BUILDING	ELAST ELEC	ELASTOMERIC ELECTRIC(AL)
BLK BLKG	BLOCK BLOCKING	ELEV	ELEVATOR
BLW CLG BLW FFLR	BELOW CEILING BELOW FINISH FLOOR	EM EMER	EXPANDED METAL EMER EMERGENCY
3LW	BELOW	EN ENCL	EDGE NAILING
BM BN	BENCH MARK BOUNDARY NAILING	ENGR.	ENCLOSE(URE) ENGINEER
BOT BRCG	BOTTOM BRACING	ENTR EP	ENTRANCE ELECTRICAL PANELBOARD
BRDG	BRIDGING	EQ EQUIP	EQUAL EQUIPMENT
BRG BRK	BEARING BRICK	ESC	ESCUTCHEON
BRKT BRS	BRACKET BRASS	ESCL ESMT	ESCALATOR EASEMENT
BRZ	BRONZE	EW	EACH WAY ELECTRIC WATER COOLER
BS BSMT	BOTH SIDES BASEMENT	EWC EWH	ELECTRICAL WATER HEATER
BTWN BUR	BETWEEN BUILT UP ROOFING	EWS EXC	EYE WASH STATION EXCAVATE
BW	BOTH WAYS	EXG OR (E) EXH	EXISTING EXHAUST
 C&G	CURB AND GUTTER	EXP EXPN	EXPOSED EXPANSION
CAB CAD	CABINET CADMIUM	EXS	EXTRA STRONG
CB	CATCH BASIN	EXT	EXTERIOR
CBB CEM	CEMENTITIOUS BACKER BOARD CEMENT	F/F	FACE TO FACE
		FA FAB	FIRE ALARM FABRIC
	CERAMIC CONTRACTOR FURNISH		
CFCI	CONTRACTOR FURNISH CONTRACTOR INSTALLED	FBD	FIBERBOARD
CFCI CFLG	CONTRACTOR FURNISH	FBD FBRK FCBRK	FIBERBOARD FIRE BRICK FACE BRICK
CFCI CFLG CFOI	CONTRACTOR FURNISH CONTRACTOR INSTALLED COUNTERFLASHING CONTRACTOR FURNISH OWNER INSTALLED	FBD FBRK	FIBERBOARD FIRE BRICK
CFCI CFLG CFOI CG CHBD	CONTRACTOR FURNISH CONTRACTOR INSTALLED COUNTERFLASHING CONTRACTOR FURNISH OWNER INSTALLED CORNER GUARD CHALKBOARD	FBD FBRK FCBRK FD FDTN FE	FIBERBOARD FIRE BRICK FACE BRICK FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER
OFCI OFLG OFOI OG OHBD OHFR	CONTRACTOR FURNISH CONTRACTOR INSTALLED COUNTERFLASHING CONTRACTOR FURNISH OWNER INSTALLED CORNER GUARD	FBD FBRK FCBRK FD FDTN FE FEC FFA	FIBERBOARD FIRE BRICK FACE BRICK FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FROM FLOOR ABOVE
CFCI CFLG CFOI CG CHBD CHFR CI CIR	CONTRACTOR FURNISH CONTRACTOR INSTALLED COUNTERFLASHING CONTRACTOR FURNISH OWNER INSTALLED CORNER GUARD CHALKBOARD CHAMFER CAST IRON CIRCLE	FBD FBRK FCBRK FD FDTN FE FEC	FIBERBOARD FIRE BRICK FACE BRICK FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET
CFCI CFLG CFOI CG CHBD CHFR CI CIR CIRC CJ	CONTRACTOR FURNISH CONTRACTOR INSTALLED COUNTERFLASHING CONTRACTOR FURNISH OWNER INSTALLED CORNER GUARD CHALKBOARD CHALKBOARD CHAMFER CAST IRON CIRCLE CIRCULAR, CIRCUMFERENCE CONSTRUCTION JOINT	FBD FBRK FCBRK FD FDTN FE FEC FFA FFB FFEL FFEL	FIBERBOARD FIRE BRICK FACE BRICK FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FROM FLOOR ABOVE FROM FLOOR BELOW FINISHED FLOOR LINE
CFCI CFLG CFOI CG CHBD CHFR CI CIR CIRC CJ CL	CONTRACTOR FURNISH CONTRACTOR INSTALLED COUNTERFLASHING CONTRACTOR FURNISH OWNER INSTALLED CORNER GUARD CHALKBOARD CHALKBOARD CHAMFER CAST IRON CIRCLE CIRCULAR, CIRCUMFERENCE	FBD FBRK FCBRK FD FDTN FE FEC FFA FFB FFEL FFL FGL FHC	FIBERBOARD FIRE BRICK FACE BRICK FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FROM FLOOR ABOVE FROM FLOOR BELOW FINISHED FLOOR ELEVATION FINISHED FLOOR LINE FIBERGLASS FIRE HOSE CABINET
CFCI CFLG CFOI CG CHBD CHFR CI CIR CIRC CJ CL CLG CLJ	CONTRACTOR FURNISH CONTRACTOR INSTALLED COUNTERFLASHING CONTRACTOR FURNISH OWNER INSTALLED CORNER GUARD CHALKBOARD CHAMFER CAST IRON CIRCLE CIRCULAR, CIRCUMFERENCE CONSTRUCTION JOINT CHAIN LINK CEILING CONTROL JOINT	FBD FBRK FCBRK FD FDTN FE FEC FFA FFB FFEL FFL FGL	FIBERBOARD FIRE BRICK FACE BRICK FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FROM FLOOR ABOVE FROM FLOOR BELOW FINISHED FLOOR ELEVATION FINISHED FLOOR LINE FIBERGLASS
CFCI CFLG CFOI CG CHBD CHFR CI CIR CIRC CJ CL CLG CLJ CLL CLOS	CONTRACTOR FURNISH CONTRACTOR INSTALLED COUNTERFLASHING CONTRACTOR FURNISH OWNER INSTALLED CORNER GUARD CHALKBOARD CHALKBOARD CHAMFER CAST IRON CIRCLE CIRCULAR, CIRCUMFERENCE CONSTRUCTION JOINT CHAIN LINK CEILING CONTROL JOINT CONTRACT LIMIT LINE CLOSURE	FBD FBRK FCBRK FD FDTN FE FEC FFA FFB FFEL FFL FGL FHC FHMS FHWS FHWS	FIBERBOARD FIRE BRICK FACE BRICK FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FROM FLOOR ABOVE FROM FLOOR BELOW FINISHED FLOOR ELEVATION FINISHED FLOOR LINE FIBERGLASS FIRE HOSE CABINET FLATHEAD MACHINE SCREW FLATHEAD WOOD SCREW FINISH(ED)
CFCI CFLG CFOI CG CHBD CHFR CI CIR CIRC CJ CL CLG CLJ CLL CLOS CLR	CONTRACTOR FURNISH CONTRACTOR INSTALLED COUNTERFLASHING CONTRACTOR FURNISH OWNER INSTALLED CORNER GUARD CHALKBOARD CHALKBOARD CHAMFER CAST IRON CIRCLE CIRCULAR, CIRCUMFERENCE CONSTRUCTION JOINT CHAIN LINK CEILING CONTROL JOINT CONTRACT LIMIT LINE	FBD FBRK FCBRK FD FDTN FE FEC FFA FFB FFEL FFL FGL FHC FHMS FHWS	FIBERBOARD FIRE BRICK FACE BRICK FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FROM FLOOR ABOVE FROM FLOOR BELOW FINISHED FLOOR ELEVATION FINISHED FLOOR LINE FIBERGLASS FIRE HOSE CABINET FLATHEAD MACHINE SCREW FLATHEAD WOOD SCREW
CFCI CFLG CFOI CG CHBD CHFR CI CIR CIR CIR CLC CLG CLJ CLC CLG CLL CLOS CLR CLRM CMPST	CONTRACTOR FURNISH CONTRACTOR INSTALLED COUNTERFLASHING CONTRACTOR FURNISH OWNER INSTALLED CORNER GUARD CHALKBOARD CHAMFER CAST IRON CIRCLE CIRCULAR, CIRCUMFERENCE CONSTRUCTION JOINT CHAIN LINK CEILING CONTROL JOINT CONTRACT LIMIT LINE CLOSURE CLASSROOM COMPOSITION	FBD FBRK FCBRK FD FDTN FE FEC FFA FFB FFEL FFL FGL FHC FHMS FHWS FHWS FIN FJT FLASH FLDG	FIBERBOARD FIRE BRICK FACE BRICK FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FROM FLOOR ABOVE FROM FLOOR BELOW FINISHED FLOOR ELEVATION FINISHED FLOOR LINE FIBERGLASS FIRE HOSE CABINET FLATHEAD MACHINE SCREW FLATHEAD WOOD SCREW FINISH(ED) FLUSH JOINT FLASH(ING) FOLDING
CFCI CFLG CFOI CG CHBD CHFR CI CIR CIR CIR CLC CLG CLJ CLC CLG CLR CMPST CMU CNCL	CONTRACTOR FURNISH CONTRACTOR INSTALLED COUNTERFLASHING CONTRACTOR FURNISH OWNER INSTALLED CORNER GUARD CHALKBOARD CHAMFER CAST IRON CIRCLE CIRCULAR, CIRCUMFERENCE CONSTRUCTION JOINT CHAIN LINK CEILING CONTROL JOINT CONTRACT LIMIT LINE CLOSURE CLEAR(ANCE) CLASSROOM COMPOSITION CONCRETE MASONRY UNIT CONCEALED	FBD FBRK FCBRK FD FDTN FE FEC FFA FFB FFEL FGL FHC FHMS FHWS FIN FJT FLASH FLDG FLG FLR	FIBERBOARD FIRE BRICK FACE BRICK FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FROM FLOOR ABOVE FROM FLOOR BELOW FINISHED FLOOR ELEVATION FINISHED FLOOR LINE FIBERGLASS FIRE HOSE CABINET FLATHEAD MACHINE SCREW FLATHEAD WOOD SCREW FINISH(ED) FLUSH JOINT FLASH(ING) FOLDING FLOORING FLOOR
CFCI CFLG CFOI CG CHBD CHFR CI CIR CIRC CLG CLJ CLC CLOS CLR CMPST CMU CNCL CNR	CONTRACTOR FURNISH CONTRACTOR INSTALLED COUNTERFLASHING CONTRACTOR FURNISH OWNER INSTALLED CORNER GUARD CHALKBOARD CHAMFER CAST IRON CIRCLE CIRCULAR, CIRCUMFERENCE CONSTRUCTION JOINT CHAIN LINK CEILING CONTROL JOINT CONTRACT LIMIT LINE CLOSURE CLEAR(ANCE) CLASSROOM COMPOSITION CONCRETE MASONRY UNIT	FBD FBRK FCBRK FD FDTN FE FEC FFA FFB FFEL FFL FGL FHC FHMS FHWS FIN FJT FLASH FLDG FLG	FIBERBOARD FIRE BRICK FACE BRICK FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FROM FLOOR ABOVE FROM FLOOR BELOW FINISHED FLOOR ELEVATION FINISHED FLOOR LINE FIBERGLASS FIRE HOSE CABINET FLATHEAD MACHINE SCREW FLATHEAD WOOD SCREW FINISH(ED) FLUSH JOINT FLASH(ING) FOLDING FLOORING
CFCI CFLG CFOI CG CHBD CHFR CI CIR CIRC CLG CLJ CLC CLG CLC CLC CLC CLC CLC CLC CLC CLC	CONTRACTOR FURNISH CONTRACTOR INSTALLED COUNTERFLASHING CONTRACTOR FURNISH OWNER INSTALLED CORNER GUARD CHALKBOARD CHAMFER CAST IRON CIRCLE CIRCULAR, CIRCUMFERENCE CONSTRUCTION JOINT CHAIN LINK CEILING CONTROL JOINT CONTRACT LIMIT LINE CLOSURE CLEAR(ANCE) CLASSROOM COMPOSITION CONCRETE MASONRY UNIT CONCEALED CORNER COUNTER COUNTER COUNTER	FBD FBRK FCBRK FD FDTN FE FEC FFA FFB FFEL FFL FGL FHWS FHWS FIN FJT FLASH FLDG FLR FLUOR FN FOC	FIBERBOARD FIRE BRICK FACE BRICK FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FROM FLOOR ABOVE FROM FLOOR BELOW FINISHED FLOOR ELEVATION FINISHED FLOOR LINE FIBERGLASS FIRE HOSE CABINET FLATHEAD MACHINE SCREW FLATHEAD WOOD SCREW FINISH(ED) FLUSH JOINT FLASH(ING) FOLDING FLOORING FLOOR FLOORESCENT FIELD NAILING FACE OF CONCRETE
CFCI CFLG CFOI CG CHBD CHFR CI CIRC CJ CLC CLG CLC CLC CLC CLC CLC CLC CLC CLC	CONTRACTOR FURNISH CONTRACTOR INSTALLED COUNTERFLASHING CONTRACTOR FURNISH OWNER INSTALLED CORNER GUARD CHALKBOARD CHAMFER CAST IRON CIRCLE CIRCULAR, CIRCUMFERENCE CONSTRUCTION JOINT CHAIN LINK CEILING CONTROL JOINT CONTRACT LIMIT LINE CLOSURE CLEAR(ANCE) CLASSROOM COMPOSITION CONCRETE MASONRY UNIT CONCEALED CORNER COUNTER COUNTER COUNTER COUNTER COUMMON COMMON	FBD FBRK FCBRK FD FDTN FE FEC FFA FFEL FFL FHMS FHWS FIN FJT FLASH FLUOR FLOG FLR FN FOC FOF FOG	FIBERBOARD FIRE BRICK FACE BRICK FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FROM FLOOR ABOVE FROM FLOOR BELOW FINISHED FLOOR ELEVATION FINISHED FLOOR LINE FIBERGLASS FIRE HOSE CABINET FLATHEAD MACHINE SCREW FLATHEAD WOOD SCREW FINISH(ED) FLUSH JOINT FLASH(ING) FOLDING FLOORING FLOOR FLOOR FLOORESCENT FIELD NAILING FACE OF CONCRETE FACE OF FINISH FACE OF GRID
CFCI CFLG CFOI CG CHBD CHFR CIR CIR CIR CLC CLC CLC CLC CLC CLC CLC CLC CLC CL	CONTRACTOR FURNISH CONTRACTOR INSTALLED COUNTERFLASHING CONTRACTOR FURNISH OWNER INSTALLED CORNER GUARD CHALKBOARD CHAMFER CAST IRON CIRCLE CIRCULAR, CIRCUMFERENCE CONSTRUCTION JOINT CHAIN LINK CEILING CONTROL JOINT CONTRACT LIMIT LINE CLOSURE CLEAR(ANCE) CLASSROOM COMPOSITION CONCRETE MASONRY UNIT CONCEALED CORNER COUNTER COLUMN COMMON	FBD FBRK FCBRK FD FDTN FE FEC FFA FFB FFEL FGL FHC FHMS FHWS FIN FJT FLASH FLDG FLG FLR FLUOR FN FOC FOF	FIBERBOARD FIRE BRICK FACE BRICK FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FROM FLOOR ABOVE FROM FLOOR BELOW FINISHED FLOOR ELEVATION FINISHED FLOOR LINE FIBERGLASS FIRE HOSE CABINET FLATHEAD MACHINE SCREW FLATHEAD WOOD SCREW FINISH(ED) FLUSH JOINT FLASH(ING) FOLDING FLOORING FLOOR FLOORESCENT FIELD NAILING FACE OF CONCRETE FACE OF FINISH
CFCI CFLG CFOI CG CHBD CHFR CIR CIR CIR CLC CLC CLC CLC CLC CLC CLC CLC CLC CL	CONTRACTOR FURNISH CONTRACTOR INSTALLED COUNTERFLASHING CONTRACTOR FURNISH OWNER INSTALLED CORNER GUARD CHALKBOARD CHAMFER CAST IRON CIRCLE CIRCULAR, CIRCUMFERENCE CONSTRUCTION JOINT CHAIN LINK CEILING CONTROL JOINT CONTRACT LIMIT LINE CLOSURE CLEAR(ANCE) CLASSROOM COMPOSITION CONCRETE MASONRY UNIT CONCEALED CORNER COUNTER COLUMN COMMON COMPARTMENT CONCRETE CONCRETE CONCRETE CONCRETE CONCRETE CONCRETE CONCRETE COMPARTMENT CONCRETE CONCRETE CONCRETE CONCRETE CONCRETE CONCRETE CONCRETE CONCRETE	FBD FBRK FCBRK FD FDTN FE FEC FFB FFEL FFL FGL FHWS FIN FJT FLASH FLUOR FLUOR FOR FOOL FOR FOOL FOR FOOL	FIBERBOARD FIRE BRICK FACE BRICK FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FROM FLOOR ABOVE FROM FLOOR BELOW FINISHED FLOOR ELEVATION FINISHED FLOOR LINE FIBERGLASS FIRE HOSE CABINET FLATHEAD MACHINE SCREW FLATHEAD WOOD SCREW FINISH(ED) FLUSH JOINT FLASH(ING) FOLDING FLOORING FLOOR FLUORESCENT FIELD NAILING FACE OF CONCRETE FACE OF FINISH FACE OF GRID FACE OF MASONRY FACE OF STUDS FIREPLACE
CFCI CFLG CFOI CG CHBD CHFR CIR CIR CLC CLG CLJ CLC CLG CLC CLC CLC CLC CLC CLC CLC CLC	CONTRACTOR FURNISH CONTRACTOR INSTALLED COUNTERFLASHING CONTRACTOR FURNISH OWNER INSTALLED CORNER GUARD CHALKBOARD CHAMFER CAST IRON CIRCLE CIRCULAR, CIRCUMFERENCE CONSTRUCTION JOINT CHAIN LINK CEILING CONTROL JOINT CONTRACT LIMIT LINE CLOSURE CLEAR(ANCE) CLASSROOM COMPOSITION CONCRETE MASONRY UNIT CONCEALED CORNER COUNTER COLUMN COMMON COMBINATION COMPARTMENT CONCRETE CONFERENCE CONNECTION CONSTRUCTION	FBD FBRK FCBRK FD FD FD FD FD FFEL FEC FFB FFEL FHWS FIN FJ FLDG FLR FLU FO FOG FOM FOS FPL FPRF FR	FIBERBOARD FIRE BRICK FACE BRICK FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FROM FLOOR ABOVE FROM FLOOR BELOW FINISHED FLOOR ELEVATION FINISHED FLOOR LINE FIBERGLASS FIRE HOSE CABINET FLATHEAD MACHINE SCREW FLATHEAD WOOD SCREW FINISH(ED) FLUSH JOINT FLASH(ING) FOLDING FLOOR FLOOR FLUORESCENT FIELD NAILING FACE OF CONCRETE FACE OF FINISH FACE OF GRID FACE OF MASONRY FACE OF STUDS FIREPLACE FIREPROOF(ING) FRAME(D), (ING)
CFCI CFLG CFOI CG CHBD CHFR CIR CIR CLC CLG CLJ CLC CLOS CLR CMPST CMU CNR CNTR COMB COMB COMB CONF CONSTR CONSTR CONT	CONTRACTOR FURNISH CONTRACTOR INSTALLED COUNTERFLASHING CONTRACTOR FURNISH OWNER INSTALLED CORNER GUARD CHALKBOARD CHAMFER CAST IRON CIRCLE CIRCULAR, CIRCUMFERENCE CONSTRUCTION JOINT CHAIN LINK CEILING CONTROL JOINT CONTRACT LIMIT LINE CLOSURE CLEAR(ANCE) CLASSROOM COMPOSITION CONCRETE MASONRY UNIT CONCEALED CORNER COUNTER COLUMN COMMON COMBINATION COMPARTMENT CONCRETE CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION	FBD FBRK FCBRK FD FDTN FE FEA FFBL FFBL FFLL FHMS FHWS FLOG FLG FLG FLOG FOG FOG FOS FPRF	FIBERBOARD FIRE BRICK FACE BRICK FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FROM FLOOR ABOVE FROM FLOOR BELOW FINISHED FLOOR ELEVATION FINISHED FLOOR LINE FIBERGLASS FIRE HOSE CABINET FLATHEAD MACHINE SCREW FLATHEAD WOOD SCREW FINISH(ED) FLUSH JOINT FLASH(ING) FOLDING FLOORING FLOOR FLUORESCENT FIELD NAILING FACE OF CONCRETE FACE OF FINISH FACE OF GRID FACE OF MASONRY FACE OF STUDS FIREPLACE FIREPROOF(ING)
CFCI CFLG CFOI CG CHBD CHFR CIR CIR CLC CLC CLC CLC CLC CLC CLC CLC CLC CL	CONTRACTOR FURNISH CONTRACTOR INSTALLED COUNTERFLASHING CONTRACTOR FURNISH OWNER INSTALLED CORNER GUARD CHALKBOARD CHAMFER CAST IRON CIRCLE CIRCULAR, CIRCUMFERENCE CONSTRUCTION JOINT CHAIN LINK CEILING CONTROL JOINT CONTRACT LIMIT LINE CLOSURE CLEAR(ANCE) CLASSROOM COMPOSITION CONCRETE MASONRY UNIT CONCEALED CORNER COUNTER COLUMN COMMON COMBINATION COMPARTMENT CONCRETE CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONTRACT(OR) CONTRACT(OR) CONTRACT(OR) CONTRACT(OR)	FBD FBRK FCBRK FD FDTN FE FEA FFEL FFL FFL FHWS FHWS FLOG FLOG FOM FOS FPRF FR FR FR FR	FIBERBOARD FIRE BRICK FACE BRICK FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FROM FLOOR ABOVE FROM FLOOR BELOW FINISHED FLOOR ELEVATION FINISHED FLOOR LINE FIBERGLASS FIRE HOSE CABINET FLATHEAD MACHINE SCREW FLATHEAD WOOD SCREW FINISH(ED) FLUSH JOINT FLASH(ING) FOLDING FLOORING FLOOR FLUORESCENT FIELD NAILING FACE OF CONCRETE FACE OF FINISH FACE OF GRID FACE OF MASONRY FACE OF STUDS FIREPLACE FIREPROOF(ING) FRAME(D), (ING) FIBER REINFORCED GYPSUM FIRE RESISTIVE GLAZING FIBERGLASS REINFORCED
CFCI CFLG CFOI CG CHBD CHBC CIRC CIRC CLG CLL CLOS CLR CMPST CMCL CNTR COMB COMB COMB CONT CONT CONT CONT CONT CONT CONT CONT	CONTRACTOR FURNISH CONTRACTOR INSTALLED COUNTERFLASHING CONTRACTOR FURNISH OWNER INSTALLED CORNER GUARD CHALKBOARD CHAMFER CAST IRON CIRCLE CIRCULAR, CIRCUMFERENCE CONSTRUCTION JOINT CHAIN LINK CEILING CONTROL JOINT CONTRACT LIMIT LINE CLOSURE CLEAR(ANCE) CLASSROOM COMPOSITION CONCRETE MASONRY UNIT CONCEALED CORNER COUNTER COLUMN COMMON COMBINATION COMPARTMENT CONCRETE CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONTRACT(OR) COORDINATE COCRRIDOR	FBD FBRK FCBRK FD TN FE FF F	FIBERBOARD FIRE BRICK FACE BRICK FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FROM FLOOR ABOVE FROM FLOOR BELOW FINISHED FLOOR ELEVATION FINISHED FLOOR LINE FIBERGLASS FIRE HOSE CABINET FLATHEAD MACHINE SCREW FLATHEAD WOOD SCREW FINISH(ED) FLUSH JOINT FLASH(ING) FOLDING FLOOR FLOORESCENT FIELD NAILING FACE OF CONCRETE FACE OF FINISH FACE OF GRID FACE OF STUDS FIREPLACE FIREPROOF(ING) FRAME(D), (ING) FIBER REINFORCED GYPSUM FIRE RESISTIVE GLAZING FIBERGLASS REINFORCED PLASTIC FIRE RATED
CFCI CFLG CFLG CHBD CHBR CIRC CIRC CLG CLG CLC CLG CLC CLC CLC CLC CLC CL	CONTRACTOR FURNISH CONTRACTOR INSTALLED COUNTERFLASHING CONTRACTOR FURNISH OWNER INSTALLED CORNER GUARD CHALKBOARD CHAMFER CAST IRON CIRCLE CIRCULAR, CIRCUMFERENCE CONSTRUCTION JOINT CHAIN LINK CEILING CONTROL JOINT CONTRACT LIMIT LINE CLOSURE CLEAR(ANCE) CLASSROOM COMPOSITION CONCRETE MASONRY UNIT CONCEALED CORNER COUNTER COUNTER COUMN COMPONITION COMPONITION COMPONITION COMPONITION COMPONITION COMPONITION CONTRET COUNTER COUNTER COUNTER COUNTER COUNTER COUNTER CONFERENCE CONFERENCE CONFERENCE CONSTRUCTION CONSTRUCTION CONTRACT(OR) COORDINATE CORPER COUPPER COMPRESS(ED), (ION), (IBLE)	FBD FBRK FCBRK FD TN FE FEA FFEL FFL FGL FHWS FLOG FLOG FOR FOR FPRF FR FR F	FIBERBOARD FIRE BRICK FACE BRICK FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FROM FLOOR ABOVE FROM FLOOR BELOW FINISHED FLOOR LINE FIBERGLASS FIRE HOSE CABINET FLATHEAD MACHINE SCREW FLATHEAD WOOD SCREW FINISH(ED) FLUSH JOINT FLASH(ING) FOLDING FLOOR FLOORESCENT FIELD NAILING FACE OF CONCRETE FACE OF FINISH FACE OF GRID FACE OF STUDS FIREPLACE FIREPROOF(ING) FRAME(D), (ING) FIBER REINFORCED GYPSUM FIRE RESISTIVE GLAZING FIBERGLASS REINFORCED PLASTIC FIRE RATED FIRE RETARDANT TREATED
CFCI CFLG CFLG CHBD CHFR CIRC CLG CLG CLG CLC CLC CLC CLC CLC CLC CL	CONTRACTOR FURNISH CONTRACTOR INSTALLED COUNTERFLASHING CONTRACTOR FURNISH OWNER INSTALLED CORNER GUARD CHALKBOARD CHAMFER CAST IRON CIRCLE CIRCULAR, CIRCUMFERENCE CONSTRUCTION JOINT CHAIN LINK CEILING CONTROL JOINT CONTRACT LIMIT LINE CLOSURE CLEAR(ANCE) CLASSROOM COMPOSITION CONCRETE MASONRY UNIT CONCEALED CORNER COUNTER COUMN COMMON COMBINATION COMPARTMENT CONCETE CONFERENCE CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONTRACT(OR) COORDINATE CORPER COUPPER COMPRESS(ED), (ION), (IBLE) CARPET(ED)	FBD FBRK FCBRK FD FD FE FFE FFE FFE FFE FFE FFE FFE FFE FFE	FIBERBOARD FIRE BRICK FACE BRICK FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FROM FLOOR ABOVE FROM FLOOR BELOW FINISHED FLOOR ELEVATION FINISHED FLOOR LINE FIBERGLASS FIRE HOSE CABINET FLATHEAD MACHINE SCREW FLATHEAD WOOD SCREW FINISH(ED) FLUSH JOINT FLASH(ING) FOLDING FLOORING FLOORING FLOOR FLUORESCENT FIELD NAILING FACE OF CONCRETE FACE OF FINISH FACE OF GRID FACE OF MASONRY FACE OF STUDS FIREPLACE FIREPROOF(ING) FRAME(D), (ING) FIBER REINFORCED GYPSUM FIRE RESISTIVE GLAZING FIBERGLASS REINFORCED PLASTIC FIRE RATED FIRE RETARDANT TREATED WOOD FREEZER
CERCE CFOI CFOI CONTRICTOR CONTRI	CONTRACTOR FURNISH CONTRACTOR INSTALLED COUNTERFLASHING CONTRACTOR FURNISH OWNER INSTALLED CORNER GUARD CHALKBOARD CHAMFER CAST IRON CIRCLE CIRCULAR, CIRCUMFERENCE CONSTRUCTION JOINT CHAIN LINK CEILING CONTROL JOINT CONTRACT LIMIT LINE CLOSURE CLEAR(ANCE) CLASSROOM COMPOSITION CONCRETE MASONRY UNIT CONCEALED CORNER COUNTER COUNTER COUNTER COLUMN COMMON COMBINATION COMPARTMENT CONCRETE CONFERENCE CONFERENCE CONNECTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONTRACT(OR) COORDINATE CORPER COMPRESS(ED), (ION), (IBLE) CARPET(ED) COLD ROLLED STEEL CAST STONE	FBD FBRK FCBRK FD FD FD FE FFE FFE FFE FFE FFE FFE FFE FFE FFE	FIBERBOARD FIRE BRICK FACE BRICK FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FROM FLOOR ABOVE FROM FLOOR BELOW FINISHED FLOOR ELEVATION FINISHED FLOOR LINE FIBERGLASS FIRE HOSE CABINET FLATHEAD MACHINE SCREW FLATHEAD WOOD SCREW FINISH(ED) FLUSH JOINT FLASH(ING) FOLDING FLOOR FLOORESCENT FIELD NAILING FACE OF CONCRETE FACE OF FINISH FACE OF GRID FACE OF STUDS FIREPLACE FIREPROOF(ING) FRAME(D), (ING) FIBER REINFORCED GYPSUM FIRE RESISTIVE GLAZING FIBERGLASS REINFORCED PLASTIC FIRE RATED FIRE RETARDANT TREATED WOOD
CFCI CFLG CFLG CFLG CHBD CCHBC CIRC CIRC CLIC CLIC CLIC CLIC CLIC CLI	CONTRACTOR FURNISH CONTRACTOR INSTALLED COUNTERFLASHING CONTRACTOR FURNISH OWNER INSTALLED CORNER GUARD CHALKBOARD CHAMFER CAST IRON CIRCLE CIRCULAR, CIRCUMFERENCE CONSTRUCTION JOINT CHAIN LINK CEILING CONTROL JOINT CONTRACT LIMIT LINE CLOSURE CLEAR(ANCE) CLASSROOM COMPOSITION CONCRETE MASONRY UNIT CONCEALED CORNER COUNTER COUNTER COUNTER COUNTER COUNTER COLUMN COMBINATION COMPARTMENT CONCRETE CONFERENCE CONFERENCE CONFERENCE CONSTRUCTION CONSTRUCTION CONSTRUCTION CONTRACT(OR) COORDINATE COCOPPER COMPRESS(ED), (ION), (IBLE) CARPET(ED) COLD ROLLED STEEL	FBD FBRK FCBRK FD TN FE FEA FFEL FFEL FFEL FFEL FFEL FFEL FFEL FFEL	FIBERBOARD FIRE BRICK FACE BRICK FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FROM FLOOR ABOVE FROM FLOOR BELOW FINISHED FLOOR ELEVATION FINISHED FLOOR LINE FIBERGLASS FIRE HOSE CABINET FLATHEAD MACHINE SCREW FLATHEAD WOOD SCREW FINISH(ED) FLUSH JOINT FLASH(ING) FOLDING FLOORING FLOOR FLUORESCENT FIELD NAILING FACE OF FINISH FACE OF GRID FACE OF STUDS FIREPLACE FIREPROOF(ING) FRAME(D), (ING) FIBER REINFORCED GYPSUM FIRE RESISTIVE GLAZING FIBERGLASS REINFORCED PLASTIC FIRE RATED FIRE RATED FIRE RETARDANT TREATED WOOD FREEZER FAR SIDE FASTEN, FASTENER FOOT OR FEET
CFCI CFLOI CFLOI CFLOI CFLOI CHBD CHBC CIRC CLIC CLIC CLIC CLIC CLIC CLIC CLI	CONTRACTOR FURNISH CONTRACTOR INSTALLED COUNTERFLASHING CONTRACTOR FURNISH OWNER INSTALLED CORNER GUARD CHALKBOARD CHAMFER CAST IRON CIRCLE CIRCULAR, CIRCUMFERENCE CONSTRUCTION JOINT CHAIN LINK CEILING CONTRACT LIMIT LINE CLOSURE CLEAR(ANCE) CLASSROOM COMPOSITION CONCRETE MASONRY UNIT CONCEALED CORNER COUNTER COUNTER COUNTER COLUMN COMBINATION COMPARTMENT CONCRETE CONFERENCE CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONTRACT(OR) COORDINATE CORPER COUNTEC CONPER COUNTEC CONPER COMPRESS(ED), (ION), (IBLE) CARPET(ED) COLD ROLLED STEEL CAST STONE CASING COUNTERSUNK CASEMENT	FBD FBRK FCBRK FD TN FE C A FFEL FF FH FHWS FIN T ASH FLDG FLUN FOOF FOOM FOR FRED FRT FR	FIBERBOARD FIRE BRICK FACE BRICK FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FROM FLOOR ABOVE FROM FLOOR BELOW FINISHED FLOOR ELEVATION FINISHED FLOOR LINE FIBERGLASS FIRE HOSE CABINET FLATHEAD MACHINE SCREW FLATHEAD WOOD SCREW FINISH(ED) FLUSH JOINT FLASH(ING) FOLDING FLOORING FLOOR FLUORESCENT FIELD NAILING FACE OF CONCRETE FACE OF FINISH FACE OF GRID FACE OF MASONRY FACE OF STUDS FIREPLACE FIREPROOF(ING) FRAME(D), (ING) FIBER REINFORCED GYPSUM FIRE RESISTIVE GLAZING FIBERGLASS REINFORCED PLASTIC FIRE RATED FIRE RETARDANT TREATED WOOD FREEZER FAR SIDE FASTEN, FASTENER FOOT OR FEET FOOTING FURRED (ING)
CFCI CFLG CFLG CHBD CHFR CIRC CLI CLI CLI CLI CLI CLI CLI CLI CLI CL	CONTRACTOR FURNISH CONTRACTOR INSTALLED COUNTERFLASHING CONTRACTOR FURNISH OWNER INSTALLED CORNER GUARD CHALKBOARD CHAMFER CAST IRON CIRCLE CIRCULAR, CIRCUMFERENCE CONSTRUCTION JOINT CHAIN LINK CEILING CONTROL JOINT CONTRACT LIMIT LINE CLOSURE CLEAR(ANCE) CLASSROOM COMPOSITION CONCRETE MASONRY UNIT CONCEALED CORNER COUNTER COLUMN COMMON COMBINATION COMPARTMENT CONCRETE CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONTRACT(OR) CONTRACT(OR) COORDINATE CORDINATE CORPER COUNTER COUNTER CONTRACT(OR) COORDINATE CORRIDOR COPPER COMPRESS(ED), (ION), (IBLE) CARPET(ED) COLD ROLLED STEEL CAST STONE CASEMENT CASEWORK CERAMIC TILE	FBD FBRK FCBRK FD TN FE C A BEL FFEL FFL FHWS FIN FLAG FLU FOOF FOOM FOR FOOF FREE FREE FREE FREE FREE FREE F	FIBERBOARD FIRE BRICK FACE BRICK FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FROM FLOOR ABOVE FROM FLOOR BELOW FINISHED FLOOR ELEVATION FINISHED FLOOR LINE FIBERGLASS FIRE HOSE CABINET FLATHEAD MACHINE SCREW FLATHEAD WOOD SCREW FINISH(ED) FLUSH JOINT FLASH(ING) FOLDING FLOORING FLOORING FLOOR FLUORESCENT FIELD NAILING FACE OF FINISH FACE OF GRID FACE OF STUDS FIREPLACE FIREPROOF(ING) FRAME(D), (ING) FIBER REINFORCED GYPSUM FIRE RESISTIVE GLAZING FIBERGLASS REINFORCED PLASTIC FIRE RATED FIRE RATED FIRE RETARDANT TREATED WOOD FREEZER FAR SIDE FASTEN, FASTENER FOOT OR FEET FOOTING
CFCI CFLG CFLG CFLG CCHBD CCHBC CCHCC CCHC CCHCC CCHC CCHCC CCHCC CCHCC CCHCC CCHCC CCHCC CCHCC CCHCC CCHCC	CONTRACTOR FURNISH CONTRACTOR INSTALLED COUNTERFLASHING CONTRACTOR FURNISH OWNER INSTALLED CORNER GUARD CHALKBOARD CHAMFER CAST IRON CIRCLE CIRCULAR, CIRCUMFERENCE CONSTRUCTION JOINT CHAIN LINK CEILING CONTRACT LIMIT LINE CLOSURE CLEAR(ANCE) CLASSROOM COMPOSITION CONCRETE MASONRY UNIT CONCEALED CORNER COUNTER COLUMN COMMON COMBINATION COMPARTMENT CONCRETE CONSTRUCTION CONSTRUCTION CONSTRUCTION CONTRACT (OR) CONTRACT (OR) CONTRACT (OR) CONTRACT (OR) CONTRACT (OR) COORDINATE CORRIDOR COPPER COMPRESS(ED), (ION), (IBLE) CARPET(ED) COLD ROLLED STEEL CAST STONE CASEMENT CASEWORK	FBD FBRK FCD TN FE CA B FF FF FF FF FR FR FR FR FR FR FR FR FR	FIBERBOARD FIRE BRICK FACE BRICK FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FROM FLOOR ABOVE FROM FLOOR BELOW FINISHED FLOOR ELEVATION FINISHED FLOOR LINE FIBERGLASS FIRE HOSE CABINET FLATHEAD MACHINE SCREW FLATHEAD WOOD SCREW FINISH(ED) FLUSH JOINT FLASH(ING) FOLDING FLOORING FLOOR FLUORESCENT FIELD NAILING FACE OF CONCRETE FACE OF FINISH FACE OF GRID FACE OF MASONRY FACE OF STUDS FIREPLACE FIREPROOF(ING) FRAME(D), (ING) FIBER REINFORCED GYPSUM FIRE RESISTIVE GLAZING FIBERGLASS REINFORCED PLASTIC FIRE RATED FIRE RATED FIRE RETARDANT TREATED WOOD FREEZER FAR SIDE FASTEN, FASTENER FOOT OR FEET FOOTING FURRED (ING)

MS MTD

MOUNTED

METAL

GALV GB GFRC GI GL GLU LAM GLZ GLZCMU GND GPC GR LN GR BM GR GRBD GSB GSS GST GT GVL GYP	GALVANIZED GRAB BAR GLASS FIBER REINFORCED CONCRETE GALVANIZED IRON GLASS GLUE LAMINATED GLAZING GLAZED CONCRETE MASONRY UNITS GROUND GYPSUM PLASTER CEILING GRADE LINE GRADE BEAM GRADE, (ING) GARBAGE DISPOSER GYPSUM SHEATHING BOARD GALVANIZED STEEL SHEET GLAZED STRUCTURAL TILE GROUT GRAVEL GYPSUM	
HB HC HD HD JT HDAS HDR HDWD HEX HGR HLDN HMD HMDF HMF HNDRL HORIZ HPT HR HT HTG HVAC HWH	HOSE BIBB HOLLOW CORE HEAVY DUTY HEAD JOINT HEADED ANCHOR STUD HEADER HARDWARE HARDWOOD HEXAGONAL HANGER HOLD DOWN HOLLOW METAL HOLLOW METAL DOOR HOLLOW METAL DOOR AND FRAME HOLLOW METAL FRAME HANDRAIL HORIZONTAL HIGH POINT HOUR HEIGHT HEATING HEATING/VENTILATING/ AIR CONDITIONING HOT WATER HEATER	
ID INCL INSTL INSUL INT INV IPS	INSIDE DIAMETER INCLUDE(D), (ING) INSTALL INSULATE(D), (ION) INTERIOR INVERT IRON PIPE SIZE	
JAN JST JT	JANITOR JOIST JOINT	
KIT KO KPL	KITCHEN KNOCKOUT KICKPLATE	
LAB LAD LAM LAV LBL LBR LBS LDR LG LH LHR LKNT LKR LKWASH LLH LLV LMST LNDSCP LNTL LP LPT LT LT LT LT LT LT LV LW LWIC	LABORATORY LADDER LAMINATE(D) LAVATORY LABEL LUMBER POUND LEADER LENGTH LEFT HAND LEFT HAND REVERSE LOCKNUT LOCKER LOCKWASHER LONG LEG HORIZONTAL LONG LEG VERTICAL LIMESTONE LANDSCAPE(D) LINTEL LIGHTPROOF LOW POINT LIGHT LIGHT WEIGHT LEVEL(ER) LOUVER LIGHTWEIGHT CONCRETE LIGHTWEIGHT INSULATING CONCRETE	
MAINT MAS MATL MAX MB MBR MC MCB MCB MDO MECH MED MEMB MEZZ MFD MFR MH MIN MIRR MISC ML MLDG MLWK MO MOD MR MRB MRD MRB MRD MS	MAINTAIN(ANCE) MASONRY MATERIAL MAXIMUM MACHINE BOLT MEMBER MEDICINE CABINET METAL CORNER BEAD MEDIUM DENSITY OVERLAID MECHANICAL MEDIUM MEMBRANE MEZZANINE METAL FLOOR DECKING MANUFACTURE(ER) MANHOLE MINIMUM MIRROR MISCELLANEOUS METAL LATH MOLDING MILLWORK MASONRY OPENING MODULE (AR) MOISTURE RESISTANT MARBLE METAL ROOF DECKING MACHINE SCREW	

MTR	MORTAR	
MULL MVBL	MULLION MOVABLE	
MWP N	MEMBRANE WATER PROOFING NORTH	
NA	NOT APPLICABLE	
NAT NCOMBL	NATURAL NONCOMBUSTIBLE	
NE	NOT EXCEEDING	
NF NIC	NEAR FACE NOT IN CONTRACT	
NLB	NON-LOAD BEARING	
NM NO	NONMETALLIC NUMBER	
NOM	NOMINAL	
NR NRC	NOISE REDUCTION NOISE REDUCTION COEFFICIENT	
NRCA	NATIONAL ROOFING	
NS	CONTRACTORS ASSOCIATION NEAR SIDE	
NTS	NOT TO SCALE	······································
O/O OA	OUT TO OUT OVERALL	
OBS	OBSCURE	
OC OD	ON CENTER(S) OUTSIDE DIAMETER	
OFCI	OWNER FURNISHED -	
OFF	CONTRACTOR INSTALLED OFFICE	
OFOI	OWNER FURNISHED -	
OFS	OWNER INSTALLED OUTSIDE FACE OF STUD	
OHMS	OVALHEAD MACHINE SCREW	
OHWS OPH	OVALHEAD WOOD SCREW OPPOSITE HAND	
OPNG	OPENING	
OPP OPQ	OPPOSITE OPAQUE	
OPR ORD	OPERABLE	
OKD OVFL	OVERFLOW ROOF DRAIN OVERFLOW	
OVHD	OVERHEAD	
PAR PAT	PARALLEL PATTERN	
РВ	PANIC BAR	
PBD PC	PARTICLE BOARD PORTLAND CEMENT	
PCC	PRECAST CONCRETE	
PCP PED	PORTLAND CEMENT PLASTER PEDESTAL	
PERF	PERFORATE(D)	
PERIM PERP	PERIMETER PERPENDICULAR	
PGBD	PEGBOARD	
PH PHS	PHASE PHILLIPS HEAD SCREW	
PI	POINT OF INTERSECTION	
PIV PL	POST INDICATOR VALVE PROPERTY LINE	
PLAM	PLASTIC LAMINATE	
PLAS PLBG	PLASTER PLUMBING	
PLYWD	PLYWOOD	
PNEU PNL	PNEUMATIC PANEL	
PNT	PAINT(ED)	
POL POLY	POLISHED POLYETHYLENE	
PORC	PORCELAIN PORTABLE	
PORT PR	PORTABLE PAIR	
PRCST	PRECAST	
PREFAB PREFIN	PREFABRICATE(D) PREFINISHED	
PREFMD	PREFORMED	
PRKG PRML	PARKING PREMOLDED	
PROJ	PROJECT	
PROP PSCONC	PROPERTY PRESTRESSED CONCRETE	
PT	POINT	
PTCONC PTD	POST TENSIONED CONCRETE PAPER TOWEL DISPENSER	
PTN	PARTITION	
PTR PVC	PAPER TOWEL RECEPTOR POLYVINYL CHLORIDE	
PVG PVMT	PAVE(D), (ING) PAVEMENT	
QT	QUARRY TILE	
QTB	QUARRY TILE BASE	
QTF QTR	QUARRY TILE FLOOR QUARTER	
QTY	QUANTITY	_
R RA	RISER RETURN AIR	
RAB RAD	RABBET RADIUS	
RB	RESILIENT BASE	
RBR RCP	RUBBER REINFORCED CONCRETE PIPE	
RCVR	RECEIVER	
RD RDGINS	ROOF DRAIN RIGID INSULATION	
RDWY	ROADWAY	
REBAR REC	REINFORCING STEEL BARS RECESSED	
RECT	RECESSED RETANGULAR	
REF REFL	REFERENCE	
REFR	REFLECT(ED), (IVE), (OR) REFRIGERATOR	
REG REINF	REGISTER REINFORCE(D) (ING) (MENT)	
REM	REINFORCE(D), (ING), (MENT) REMOVE(ABLE)	
REPL	REPAIR REPLACE	
REQD	REQUIRED	
RESIL RET	RESILIENT RETURN	
	1 3 mm 1 3rf 13 7	

REVISION(S), REVISED

RESILIENT FLOORING

ROOFING

RFH	ROOF HATCH
RH	RIGHT HAND
RHMS	ROUND HEAD MACHINE SCREW
RHR	RIGHT HAND REVERSE
RHWS	ROUND HEAD WOOD SCREW
RL RLG	ROOF LEADER RAILING
RM	ROOM
RND	ROUND
RO ROW	ROUGH OPENING RIGHT OF WAY
RS	ROUGH SAWN
RTF	RUBBER TILE FLOORING
RTU RV	ROOF TOP UNIT ROOF VENT
RVL	REVEAL
RVS	REVERSE (SIDE)
RVT RWD	RIVET(ED) REDWOOD
RWL	RAIN WATER LEADER
S S2S	SOUTH SURFACED TWO SIDES
S4S	SURFACED FOUR SIDES
SA	SUPPLY AIR
SALV SAT	SALVAGE SUSPENDED ACOUSTICAL TILE
SB	SPLASH BLOCK
SBSTR SC	SUBSTRATE SOLID CORE
SCD	SEAT COVER DISPENSER
SCHED	SCHEDULE
SCP SCRN	SCUPPER SCREEN
SD	STORM DRAIN
SDBL	SANDBLAST
SECT SGL	SECTION SINGLE
SHR	SHOWER
SHT	SHEET(ING)
SHTHG SHV	SHEATHING SHELVES (ING)
SIM	SIMILAR
SKLT	SKYLIGHT
SLD SLDG	SEALED SLIDE (ING)
SLDR	SOLDER
SLNT	SEALANT SLEEVE
SLV SMACNA	SLEEVE SHEET METAL AND AIR
	CONDITIONING CONTRACTORS
SMLS	NATIONAL ASSOCIATION SEAMLESS
SND	SANITARY NAPKIN DISPENSER
SNDINS	SOUND INSULATION
SNDU	SANITARY NAPKIN DISPOSAL UNIT
SNT	SEALANT
SPC SPD	SUSPENDED PLASTER CEILING SOAP DISPENSER
SPEC	SPECIFICATION(S) (ED)
SPRT	SUPPORT
SQ SSK	SQUARE SERVICE SINK
SST	STAINLESS STEEL
STAC	STATION
STAG STC	STAGGERED SOUND TRANSMISSION CLASS
STD	STANDARD
STG STIF	SEATING STIFFENER
STIR	STIRRUP
STL	STEEL
STOR STR	STORAGE STRAIGHT
ST	STREET
STRCT STU	STRUCTURAL STRUCT
SUSP	SUSPENDED
SV SYMM	SHEET VINYL SYMMETRICAL
SYNTH	SYNTHETIC
SYS	SYSTEM
т	TREAD
T T&B	TREAD TOP AND BOTTOM
ТВ	THRU BOLT
TBE TBM	THREADED BOTH ENDS TEMPORARY BENCH MARK
TD	TOWEL DISPENSER
TDR	TOWEL DISPENSER/
TEL	RECEPTACLE TELEPHONE
TEMP	TEMPORARY
TER TFA	TERRAZZO TO FLOOR ABOVE
TFB	TO FLOOR ABOVE TO FLOOR BELOW
T & G	TONGUE & GROOVE
THD THERM	THREAD(ED) THERMAL
THK	THICK(NESS)
THRES TKBD	THRESHOLD TACKBOARD
TMPD	TEMPERED
TOB	TOP OF BEAM
TOC TOF	TOP OF CURB TOP OF FOOTING
TOFF	TOP OF FINISH FLOOR
TOJ TOL	TOP OF JOIST TOLERANCE
TOM	TOP OF MASONRY
TOPY	TOP OF PARAPET
TOPV TOS	TOP OF PAVEMENT TOP OF SHEATHING
TOSL	TOP OF SLAB
TOST	TOP OF STEEL TOP OF WALL
TPD	TOILET PAPER DISPENSER
TOTAL	TOUR THE PARTITION

TUBE STEEL

TOWEL BAR

TELEVISION

TYPICAL

TOILET PARTITION

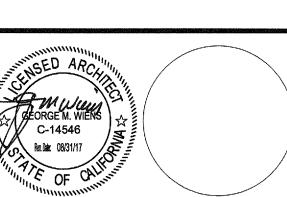
TYP

C GND - NFIN ON R AR B CT EST FAT F I NR R I NC - / /W /O BL C D DP	UNDERCUT UNDERGROUND UNDERWRITERS LABORATORY UNFINISHED UNLESS OTHERWISE NOTED URINAL VARIES VINYL BASE VINYL COMPOSITION TILE VERTICAL VESTIBULE VINYL FACED ACOUSTIC TILE VERIFY IN FIELD V-JOINT(ED) VENEER VAPOR RETARDER VENT THROUGH ROOF VINYL WALL COVERING WITH WALL TO WALL WITHOUT WEST WOOD BLOCKING WATER CLOSET WOOD WOOD PANELING
NFIN ON R AR B CT ERT EST FAT F I NR R I NC // // // // D BL C D DP	UNDERWRITERS LABORATORY UNFINISHED UNLESS OTHERWISE NOTED URINAL VARIES VINYL BASE VINYL COMPOSITION TILE VERTICAL VESTIBULE VINYL FACED ACOUSTIC TILE VERIFY IN FIELD V-JOINT(ED) VENEER VAPOR RETARDER VENT THROUGH ROOF VINYL WALL COVERING WITH WALL TO WALL WITHOUT WEST WOOD BLOCKING WATER CLOSET WOOD
NFIN ON R AR B CT ERT EST FAT F VR R TR VC //W //O BL C D DP	UNFINISHED UNLESS OTHERWISE NOTED URINAL VARIES VINYL BASE VINYL COMPOSITION TILE VERTICAL VESTIBULE VINYL FACED ACOUSTIC TILE VERIFY IN FIELD V-JOINT(ED) VENEER VAPOR RETARDER VENT THROUGH ROOF VINYL WALL COVERING WITH WALL TO WALL WITHOUT WEST WOOD BLOCKING WATER CLOSET WOOD
NFIN ON R AR B CT ERT EST FAT F VR R TR VC //W //O BL C D DP	UNFINISHED UNLESS OTHERWISE NOTED URINAL VARIES VINYL BASE VINYL COMPOSITION TILE VERTICAL VESTIBULE VINYL FACED ACOUSTIC TILE VERIFY IN FIELD V-JOINT(ED) VENEER VAPOR RETARDER VENT THROUGH ROOF VINYL WALL COVERING WITH WALL TO WALL WITHOUT WEST WOOD BLOCKING WATER CLOSET WOOD
ON R AR B CT ERT EST FAT F I NR R I NC // // // O BL C D DP	UNLESS OTHERWISE NOTED URINAL VARIES VINYL BASE VINYL COMPOSITION TILE VERTICAL VESTIBULE VINYL FACED ACOUSTIC TILE VERIFY IN FIELD V-JOINT(ED) VENEER VAPOR RETARDER VENT THROUGH ROOF VINYL WALL COVERING WITH WALL TO WALL WITHOUT WEST WOOD BLOCKING WATER CLOSET WOOD
RAR B CT ERT EST FAT F VR R CR VC V V O BL C D DP	URINAL VARIES VINYL BASE VINYL COMPOSITION TILE VERTICAL VESTIBULE VINYL FACED ACOUSTIC TILE VERIFY IN FIELD V-JOINT(ED) VENEER VAPOR RETARDER VENT THROUGH ROOF VINYL WALL COVERING WITH WALL TO WALL WITHOUT WEST WOOD BLOCKING WATER CLOSET WOOD
AR B CT ERT EST FAT F NR R FR NC	VARIES VINYL BASE VINYL COMPOSITION TILE VERTICAL VESTIBULE VINYL FACED ACOUSTIC TILE VERIFY IN FIELD V-JOINT(ED) VENEER VAPOR RETARDER VENT THROUGH ROOF VINYL WALL COVERING WITH WALL TO WALL WITHOUT WEST WOOD BLOCKING WATER CLOSET WOOD
B CT ERT EST FAT FAT FR VC VC V/O BL C D DP	VINYL BASE VINYL COMPOSITION TILE VERTICAL VESTIBULE VINYL FACED ACOUSTIC TILE VERIFY IN FIELD V-JOINT(ED) VENEER VAPOR RETARDER VENT THROUGH ROOF VINYL WALL COVERING WITH WALL TO WALL WITHOUT WEST WOOD BLOCKING WATER CLOSET WOOD
CT ERT EST FAT F I NR R IR NC IN	VINYL COMPOSITION TILE VERTICAL VESTIBULE VINYL FACED ACOUSTIC TILE VERIFY IN FIELD V-JOINT(ED) VENEER VAPOR RETARDER VENT THROUGH ROOF VINYL WALL COVERING WITH WALL TO WALL WITHOUT WEST WOOD BLOCKING WATER CLOSET WOOD
ERT EST FAT F I NR R IR NC // /W /O BL C D DP	VERTICAL VESTIBULE VINYL FACED ACOUSTIC TILE VERIFY IN FIELD V-JOINT(ED) VENEER VAPOR RETARDER VENT THROUGH ROOF VINYL WALL COVERING WITH WALL TO WALL WITHOUT WEST WOOD BLOCKING WATER CLOSET WOOD
EST FAT FAT NR R FR NC	VESTIBULE VINYL FACED ACOUSTIC TILE VERIFY IN FIELD V-JOINT(ED) VENEER VAPOR RETARDER VENT THROUGH ROOF VINYL WALL COVERING WITH WALL TO WALL WITHOUT WEST WOOD BLOCKING WATER CLOSET WOOD
FAT F I NR R IR NC // /W /O BL C D DP	VINYL FACED ACOUSTIC TILE VERIFY IN FIELD V-JOINT(ED) VENEER VAPOR RETARDER VENT THROUGH ROOF VINYL WALL COVERING WITH WALL TO WALL WITHOUT WEST WOOD BLOCKING WATER CLOSET WOOD
F J NR R R FR NC / / / D BL C D DP	VERIFY IN FIELD V-JOINT(ED) VENEER VAPOR RETARDER VENT THROUGH ROOF VINYL WALL COVERING WITH WALL TO WALL WITHOUT WEST WOOD BLOCKING WATER CLOSET WOOD
NR NR FR NC / /W /O BL C D DP	V-JOINT(ED) VENEER VAPOR RETARDER VENT THROUGH ROOF VINYL WALL COVERING WITH WALL TO WALL WITHOUT WEST WOOD BLOCKING WATER CLOSET WOOD
NR NR FR NC / /W /O BL C D DP	V-JOINT(ED) VENEER VAPOR RETARDER VENT THROUGH ROOF VINYL WALL COVERING WITH WALL TO WALL WITHOUT WEST WOOD BLOCKING WATER CLOSET WOOD
NR R IR NC / / /W /O BL C D DP	VENEER VAPOR RETARDER VENT THROUGH ROOF VINYL WALL COVERING WITH WALL TO WALL WITHOUT WEST WOOD BLOCKING WATER CLOSET WOOD
R FR WC // /W /O BL C D DP	VAPOR RETARDER VENT THROUGH ROOF VINYL WALL COVERING WITH WALL TO WALL WITHOUT WEST WOOD BLOCKING WATER CLOSET WOOD
FR NC / /W /O BL C D DP	VENT THROUGH ROOF VINYL WALL COVERING WITH WALL TO WALL WITHOUT WEST WOOD BLOCKING WATER CLOSET WOOD
NC / /W /O BL C D DP	WITH WALL TO WALL WITHOUT WEST WOOD BLOCKING WATER CLOSET WOOD
/ /W /O BL C D	WITH WALL TO WALL WITHOUT WEST WOOD BLOCKING WATER CLOSET WOOD
/W /O BL C D DP	WALL TO WALL WITHOUT WEST WOOD BLOCKING WATER CLOSET WOOD
/O BL C D DP	WITHOUT WEST WOOD BLOCKING WATER CLOSET WOOD
/O BL C D DP	WITHOUT WEST WOOD BLOCKING WATER CLOSET WOOD
BL C D DP	WEST WOOD BLOCKING WATER CLOSET WOOD
BL C D DP	WOOD BLOCKING WATER CLOSET WOOD
C D DP	WATER CLOSET WOOD
D DP	WOOD
DP	
	WOOD PANELING
PN1 8 /	WOOD! MILLING
DW	WINDOW
F	WIDE FLANGE
FS	WOOD FURRING STRIP
GL	WIRED GLASS
H	WALL HUNG
	WROUGHT IRON
ID	WIDTH, WIDE
	WELD(ED)
	WIRE MESH
P	WATERPROOF(ING)
PT	WORKING POINT
R	WIRE ROPE
	WOOD SCREW
	WAINSCOT
	WEIGHT
	WELDED WIRE FABRIC
VVF	WELDED WIRE FABRIC
BRACE	CROSS BRACE
MR	TRANSFORMER
SECT	CROSS SECTION
00	YARD CLEANOUT
)	YARD
	LD M P T R S SCT T WF BRACE EMR SECT CO

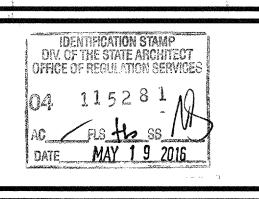


8163 ROCHESTER AVENUE, SUITE 100 RANCHO CUCAMONGA CALIFORNIA 91730-0729 TEL: 909-987-0909 www.wlcarchitects.com

MURRIETA VALLEY UNIFIED SCHOOL DISTRICT 24040 HAYES AVENUE MURRIETA, CA 92562 THOMPSON MIDDLE SCHOOL PARKING LOT IMPROVEMENTS



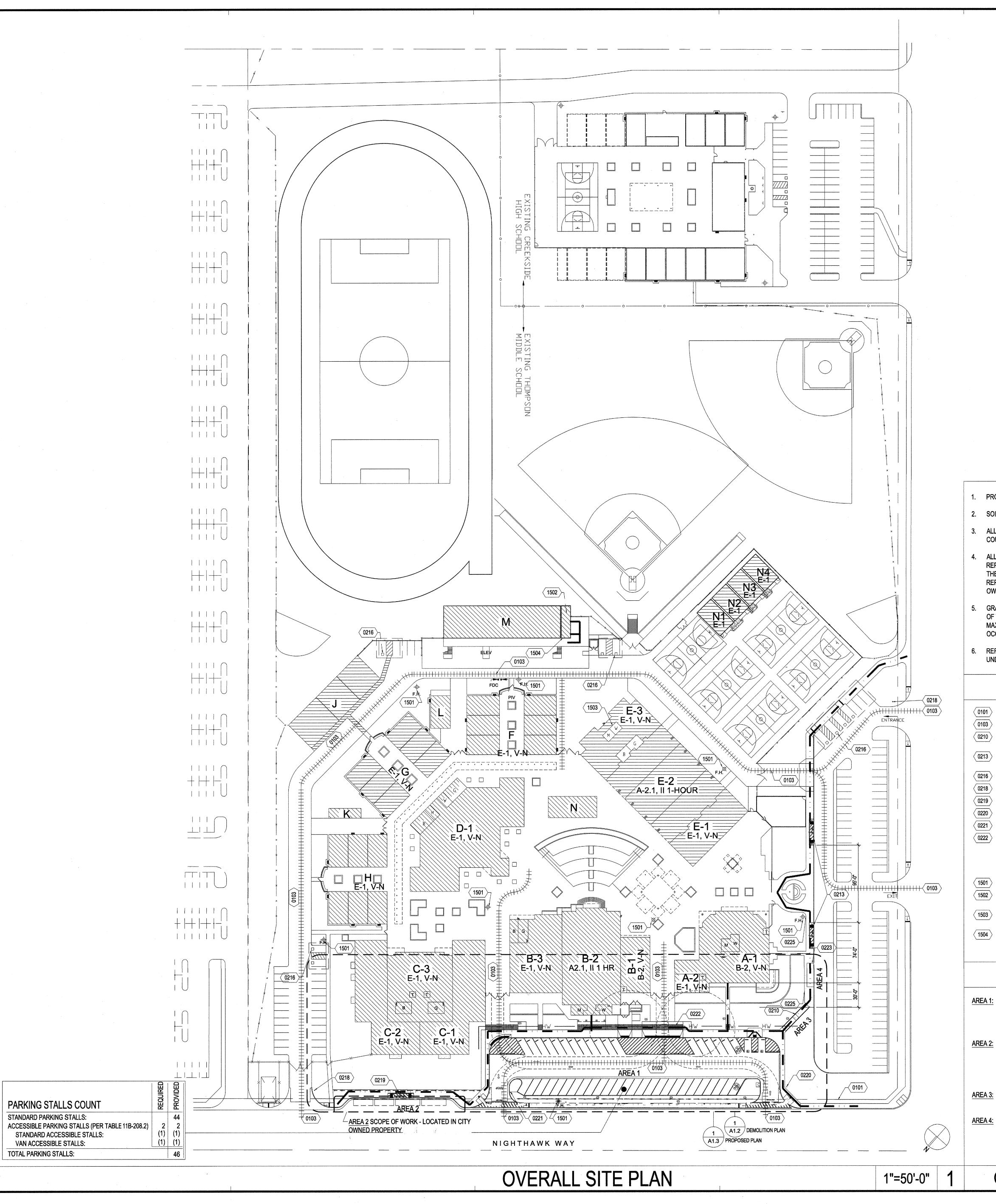
CONSULTANT



NO	DATE	BY	DESCRIPTION
		DV	DECODIDATION

CHECKED: GWiens, LCox DRAWN: ATorres **DATE**: 5/12/2016 **SCALE**: PROJECT NUMBER: 1522500

ARCHITECTURAL DRAWING **ABBREVIATIONS**



2. SOIL BEARING PRESSURE: 1000 P.S.F.

ALL MATERIALS AND DEBRIS FROM AREA SHALL BE TAKEN TO A PUBLIC. COUNTY OR CITY OPERATED DISPOSAL SITE.

ALL AREAS IN WHICH WORK IS DONE SHALL BE LEFT CLEAN AND IN GOOD REPAIR.ANY DAMAGE DONE TO EXISTING FENCE, PAVING, OR LANDSCAPE BY THE CONTRACTOR, SUB-CONTRACTORS, OR THEIR EMPLOYEES SHALL BE REPAIRED TO THE SATISFACTION OF THE ARCHITECT AT NO COST TO THE

GRATINGS LOCATED IN THE SURFACE OF ANY PEDESTRIAN WAY IN THE PATH OF TRAVEL SHALL HAVE GRID OPENINGS IN GRATINGS LIMITED TO 1/2" MAXIMUM IN SIZE IN THE DIRECTION OF TRAFFIC FLOW. IF SUCH CONDITION OCCURS, MANUFACTURERS CUT-SHEETS WILL BE PROVIDED FOR REVIEW.

UNDER THIS CONTRACT.

(E) FIRE LANE

W/ POST @ 6'-0" O.C. & 3 HORIZ. RAILS - SEE DETAIL 9/A1.4 & 13/A1.4 REPLACE (E) RAMP W/ NEW ACCESSIBLE DROP-OFF ZONE (ONE WITHIN EVERY 100' - SEE DETAIL 10/A1.4

NEW ACCESSIBLE RAMP AT NEW BUS DROP-OFF

INSTALL "DO NOT ENTER" SIGN - SEE DETAIL 2/A1.4

INCLUDE MIN. 2% SLOPE IN ANY DIRECTIONS)

(E) FIRE HYDRANT

(E) STUDENT ACCESSIBLE RESTROOMS PER A#04-103356, RELOCATE TISSUE DISPENSER PER DET 15/A1.4

TISSUE DISPENSER PER DET 15/A1.4

AREA 1: REVISE DESIGN AT EXISTING DROP-OFF LANE, ASPHALT PAVING, PLANTING AREA, WALKS & CURBS, ELECTRICAL TO INCLUDE 47 NEW PARKING STALLS. EXISTING CAR DROP-OFF LANE & APPROACHES TO

AREA 2: REVISE DESIGN OF EXISTING CURB AND WALK TO INCLUDE A BUS LOADING LANE, CURB, AND 12' WIDE WALK/LANE. - THIS AREA 2 SCOPE OF WORK - LOCATED IN CITY OWNED PROPERTY-TO BE REVIEWED AND APPROVED BY THE CITY, AND NOT IN BY DSA.

AREA 4: DEMOLISH (E) RAMP, AND ADD TWO NEW ACCESSIBLE DROP-OFF AREA.

CURRENT SCOPE OF WORK

EXISTING ADMINISTRATION BUILDING EXISTING MULTI-PURPOSE BUILDING EXISTING LABORATORIES BUILDING

EXISTING RELOCATABLE CLSRM & TOILET BLDG.

EXISTING INFOR. CENTER BUILDING EXISTING P.E. PAVILION BUILDING EXISTING RELOCATABLE CLSRM. BLDGS EXISTING RELOCATABLE CLSRM. BLDGS EXISTING RELOCATABLE CLSRM. BLDGS. EXISTING RELOCATABLE CLSRM. BLDG. EXISTING RELOCATABLE TOILET BLDG. EXISTING RELOCATABLE CLSRM. BLDG.

EXISTING LUNCH SHELTER

EXISTING FIRE ACCESS LANE

EXISTING STUDENT PARKING

10 EXISTING STAFF/VISITOR PARKING

EXISTING STAFF/VISTOR PARKING

EXISTING TRASH/UTILITIES ENCLOSURE

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE

PORTIONS OF THE POT THAT WERE DETERMINED TO BE

NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE

CORRECTIVE WORK NECESSARY TO BRING THEM INTO

PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND

THESE CONSTRUCTION DOCUMENTS.

CONSTRUCTION CHANGE DOCUMENT.

SECTION 11B-302.3.

DETECTABLE WARNING - 3" WIDE STRIP

EXISTING BUILDINGS

--- --- NEW FENCE

STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE

CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR

PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS

PROJECT, THE POT WAS EXAMINED AND ANY COMPONENTS OR

COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS

SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION

PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS

PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A

FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN

DURING CONSTRUCTION IF POT ITEMS WITHIN THE SCOPE OF THE

PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE

TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH

OPENINGS IN GRATINGS OR STRAINERS LOCATED IN PEDESTRIAN WAYS OR IN P.O.T. SHALL NOT ALLOW PASSAGE OF A SPHERE

MORE THAN $\frac{1}{2}$ " IN DIAMETER. ELONGATED OPENINGS SHALL BE

PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO

PATCH HARDSCAPE AREA WHERE SAW CUT TO ACCOMMODATE

THE DOMINANT DIRECTION OF TRAVEL IN COMPLIANCE WITH

NONCONFORMING BEYOND REASONABLE CONSTRUCTION

THE CBC AS A PART OF THIS PROJECT BY MEANS OF A

DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR

EXISTING BUS LOOP

EXISTING PARKING

EXISTING HARDSCAPE

EXISTING PLAYFIELD

REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL SCOPE OF WORK

GENERAL NOTES

(E) PROPERTY LINE

NEW COMPLIANT CONCRETE RAMP WITH GUARDRAILS AT EA. SIDE -

(E) ACCESSIBLE PARKING PER A#04-106909
(E) ACCESSIBLE PARKING SIGNAGE PER A#04-106905 DETAIL GALA

NEW ACCESSIBLE PARKING SIGN - REF DETAIL 6/A1.4

PATCH HARDSCAPE AREA WHERE SAW CUT (TO ACCOMMODATE IRRIGATION LINES & VALVE WIRING - REF LANDSCAPE DWGS.). NEW PATCHED AREAS ARE TO BE LEVELED WITH (E) TO REMAIN AREAS AND SLOPE IS TO BE ACCESSIBLE PATH OF TRAVEL COMPLIANT (TO

(E) STAFF ACCESSIBLE RESTROOMS PER A#04-103356, RELOCATE

(E) ACCESSIBLE DRINKING FOUNTAIN PER A#04-103356

REFERENCE KEYNOTES

AREA 3: REPLACE (E) RAMP WITH ACCESSIBLE COMPLIANT RAMP - TO INCLUDE INTERMITTENT LANDING AND RAILS AT EACH SIDE.

ARCHITECTS PASSION DRIVEN CLIENT FOCUSED

SOUTHERN CALIFORNIA

8163 ROCHESTER AVENUE, SUITE 100 RANCHO CUCAMONGA CALIFORNIA 91730-0729

> TEL: 909-987-0909 www.wlcarchitects.com

. IMPROVEMENTS SCHOOL 0 0

HOMP

PARKIN

(DSA NO. 4-100979)

(DSA NO. 4-100979)

(DSA NO. A61167)

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(DSA NO. 4-103356)

(DSA NO. 4-106909)

(DSA NO. A61159)

(DSA NO. 4-100979)

(DSA NO. 4-100979)

C-14546 Ran Date: 08/31/17

CONSULTANT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES Pris to ss M

DATE MAY 1 9 2016

NO DATE BY DESCRIPTION **REVISIONS**

DRAWN: AGWres CHECKED: GWWs **DATE:** 5/12/2016 **SCALE:** 1" = 50'-0

> **OVERALL** SITE PLAN

DRAWING NUMBER:

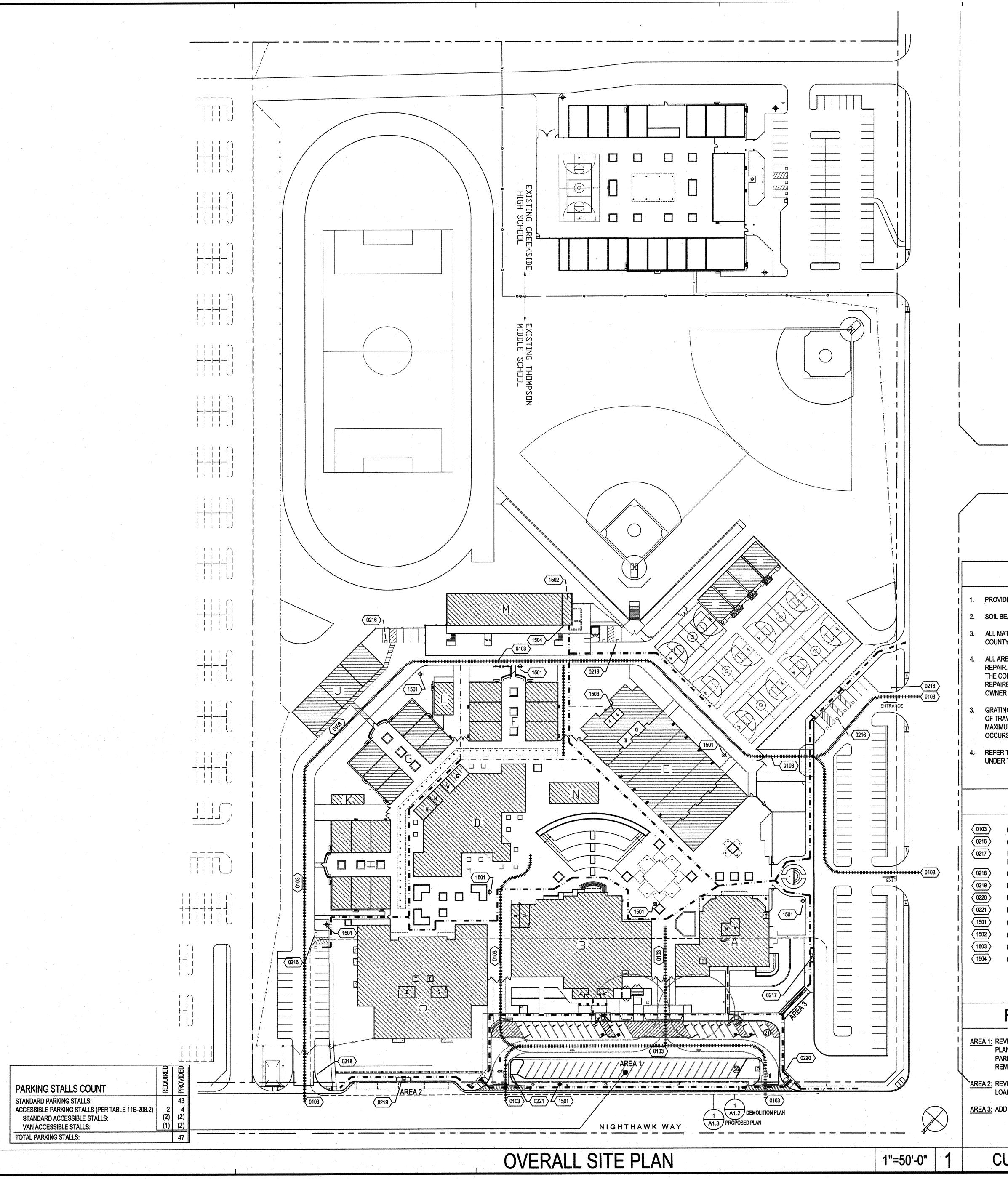
PROJECT NUMBER: 1522500

A1.1

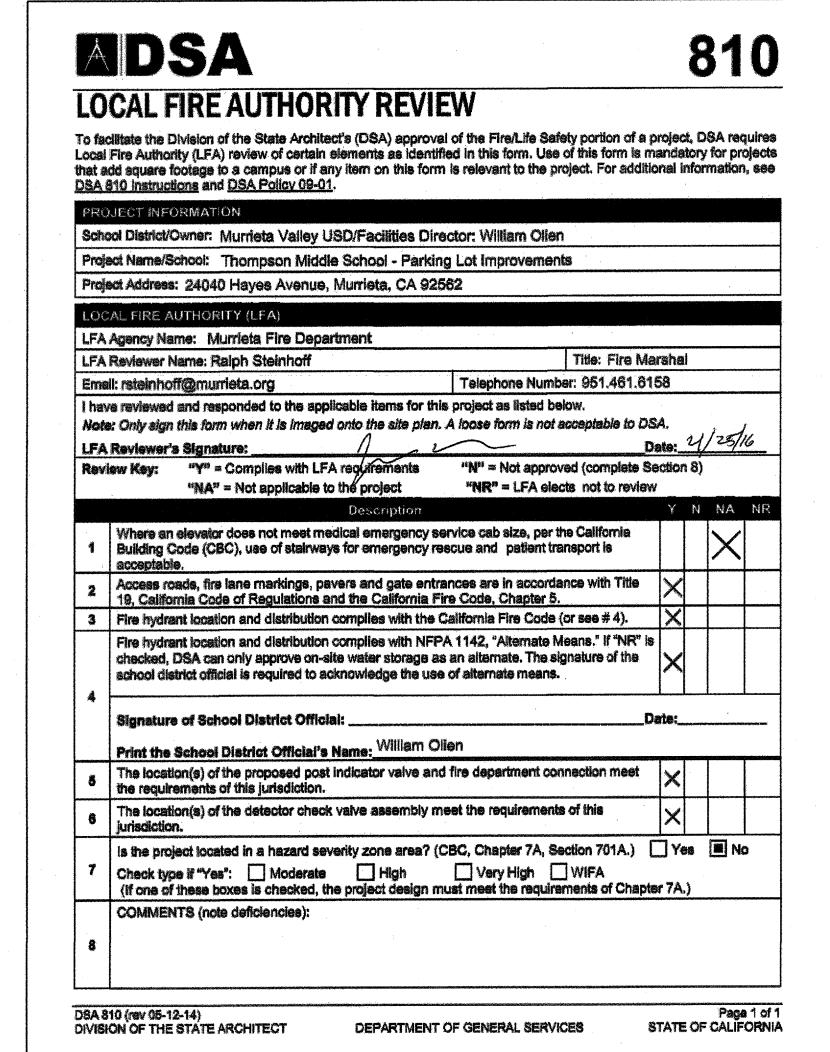
LEGEND

IRRIGATION LINES - PER LANDSCAPE DWGS.

F.H EXISTING FIRE HYDRANTS







LOCAL FIRE AUTHORITY REVIEW & APPROVAL

1.	PROVIDE MEDIUM BROOM FINISH CONCRETE, WHERE IT OCCUI	RS

2. SOIL BEARING PRESSURE: 1000 P.S.F.

ALL MATERIALS AND DEBRIS FROM AREA SHALL BE TAKEN TO A PUBLIC, COUNTY OR CITY OPERATED DISPOSAL SITE.

ALL AREAS IN WHICH WORK IS DONE SHALL BE LEFT CLEAN AND IN GOOD REPAIR.ANY DAMAGE DONE TO EXISTING FENCE, PAVING, OR LANDSCAPE BY THE CONTRACTOR, SUB-CONTRACTORS, OR THEIR EMPLOYEES SHALL BE REPAIRED TO THE SATISFACTION OF THE ARCHITECT AT NO COST TO THE

GRATINGS LOCATED IN THE SURFACE OF ANY PEDESTRIAN WAY IN THE PATH OF TRAVEL SHALL HAVE GRID OPENINGS IN GRATINGS LIMITED TO 1/2" MAXIMUM IN SIZE IN THE DIRECTION OF TRAFFIC FLOW. IF SUCH CONDITION OCCURS, MANUFACTURERS CUT-SHEETS WILL BE PROVIDED FOR REVIEW.

REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL SCOPE OF WORK UNDER THIS CONTRACT.

GENERAL NOTES

(E) FIRE TRUCK LANE (E) ACCESSIBLE PARKING PER A#04-106909 REVISE (E) PASSENGER DROP-OFF W/ SIDE LOADING & RAMP W/

NEW ACCESSIBLE RAMP (E) ACCESSIBLE PARKING SIGNAGE PER A#04-103356

NEW ACCESSIBLE RAMP AT NEW BUS DROP-OFF NEW ACCESSIBLE PARKING SIGN - REF DETAIL 13/A1.4 INSTALL "DO NOT ENTER" SIGN - SEE DETAIL 9/A4.1

(E) FIRE HYDRANT (E) STUDENT ACCESSIBLE RESTROOMS PER A#04-103356

(E) STAFF ACCESSIBLE RESTROOMS PER A#04-103356 (E) ACCESSIBLE DRINKING FOUNTAIN PER A#04-103356

REFERENCE KEYNOTES

AREA 1: REVISE DESIGN AT EXISTING DROP-OFF LANE, ASPHALT PAVING, PLANTING AREA, WALKS & CURBS, ELECTRICAL TO INCLUDE 47 NEW PARKING STALLS. EXISTING CAR DROP-OFF LANE & APPROACHES TO

AREA 2: REVISE DESIGN OF EXISTING CURB AND WALK TO INCLUDE A BUS LOADING LANE, CURB, AND 12' WIDE WALK/LANE.

AREA 3: ADD GUARDRAILS AT EXISTING CONCRETE RAMP

CURRENT SCOPE OF WORK

(DSA NO. 4-100979) EXISTING ADMINISTRATION BUILDING (DSA NO. 4-100979) **EXISTING MULTI-PURPOSE BUILDING** (DSA NO. A61167) EXISTING LABORATORIES BUILDING (DSA NO. A61167) **EXISTING INFOR. CENTER BUILDING** (DSA NO. 4-10979) EXISTING P.E. PAVILION BUILDING (DSA NO. A63015) EXISTING RELOCATABLE CLSRM. BLDGS (DSA NO. A63015) (DSA NO. A63015) (DSA NO. A63015)

EXISTING RELOCATABLE TOILET BLDG.

EXISTING RELOCATABLE CLSRM. BLDG.

EXISTING RELOCATABLE CLSRM & TOILET BLDG.

(DSA NO. A63015)

(DSA NO. A63015)

(DSA NO. 4-103356)

(DSA NO. 4-106909) **EXISTING LUNCH SHELTER** (DSA NO. A61159) **EXISTING BUS LOOP** (DSA NO. A61159) EXISTING FIRE ACCESS LANE **EXISTING STAFF/VISTOR PARKING** (DSA NO. A61159) (DSA NO. A61159) EXISTING PARKING (DSA NO. A61159) **EXISTING STUDENT PARKING** (DSA NO. A61159) **EXISTING HARDSCAPE** (DSA NO. A61159) **EXISTING PLAYFIELD** (DSA NO. 4-100979) EXISTING TRASH/UTILITIES ENCLOSURE (DSA NO. 4-100979) EXISTING STAFF/VISITOR PARKING

> - ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER FREE ACCESSIBLE ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" BEVELED AT 1:12 MAX SLOPE, OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX AND AT LEAST 48" WIDE. SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE **DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE** FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM 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 2013 CBC, CHAP. 11B.

FIRE (TRUCK) LANE

-*--*- NEW FENCE

DETECTABLE WARNING - 2" WIDE STRIP



EXISTING BUILDINGS

OVERALL SITE PLAN FIRE

DATE: 03/10/2016 | SCALE: 1" = 50'-0'

PROJECT NUMBER: 1522500

CHECKED: GW

A1.1F NUMBER:

LEGEND

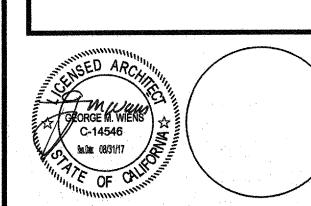
SOUTHERN CALIFORNIA

8163 ROCHESTER AVENUE, SUITE 100 RANCHO CUCAMONGA **CALIFORNIA 91730-0729**

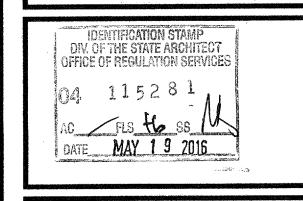
> TEL: 909-987-0909 www.wlcarchitects.com

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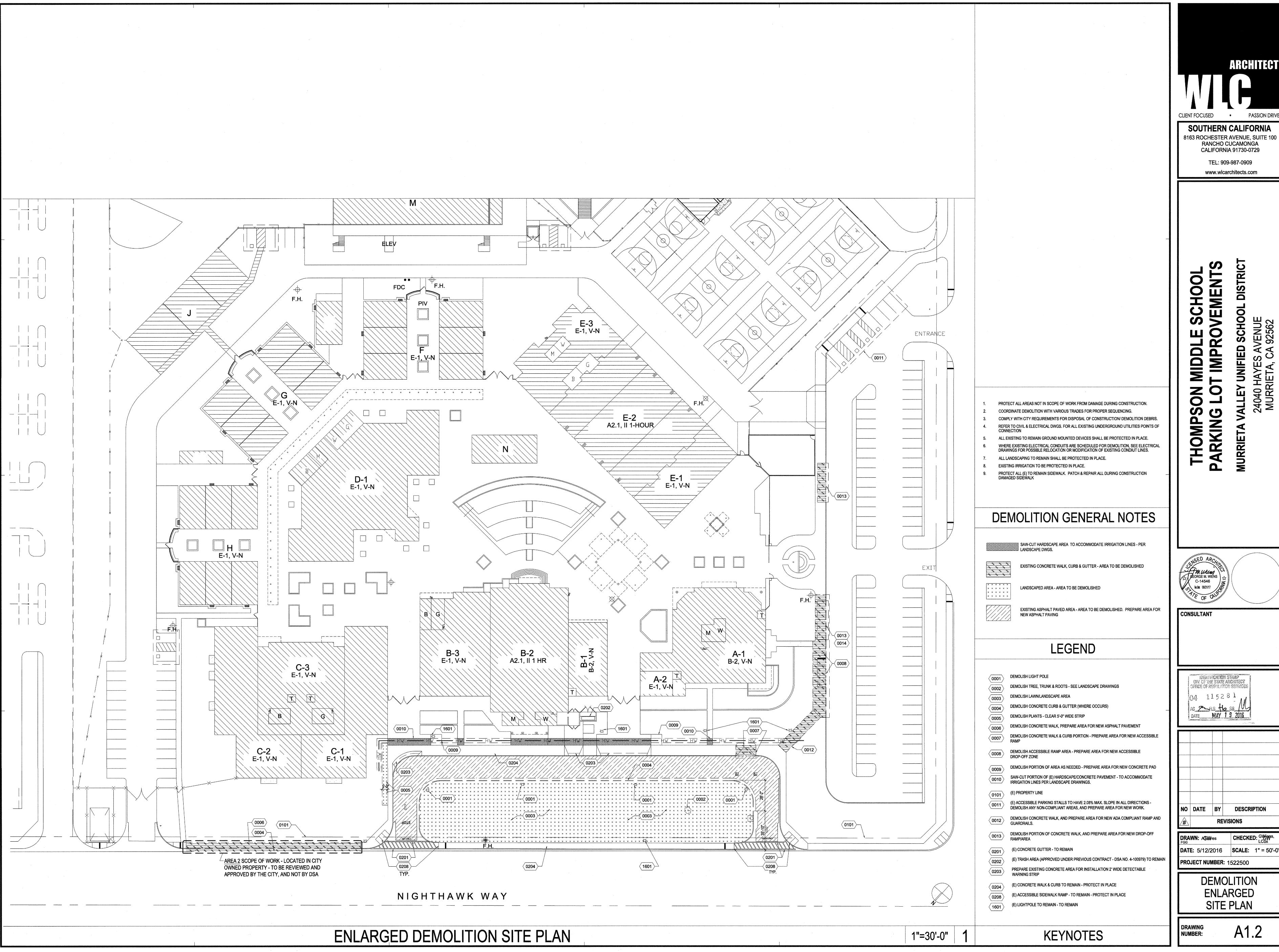
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CONSULTANT



NO DATE BY DESCRIPTION



TEL: 909-987-0909 www.wlcarchitects.com

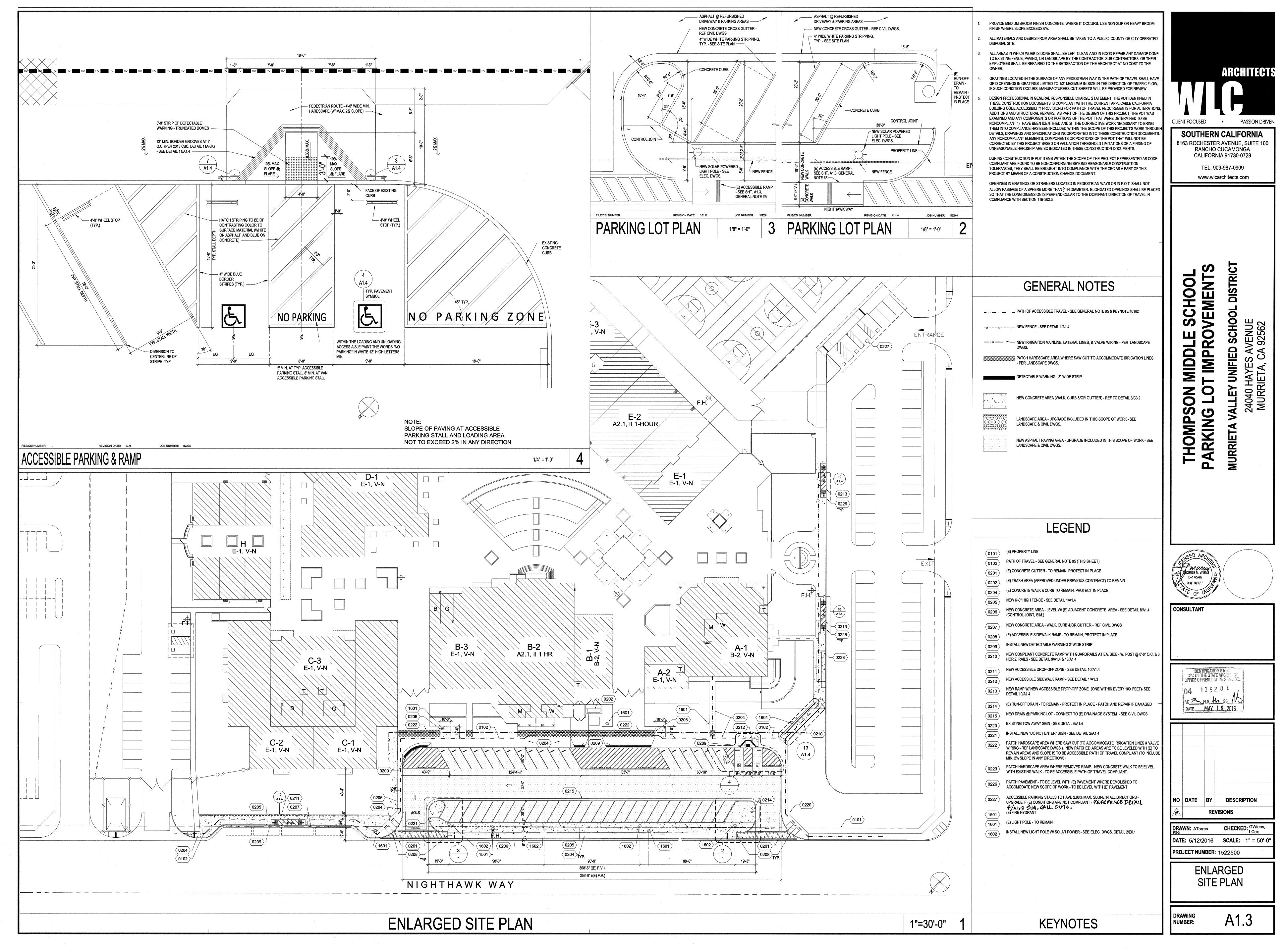
GEORGE M. WIENS C-14546

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES 04 115281 DATE MAY 1 9 2016

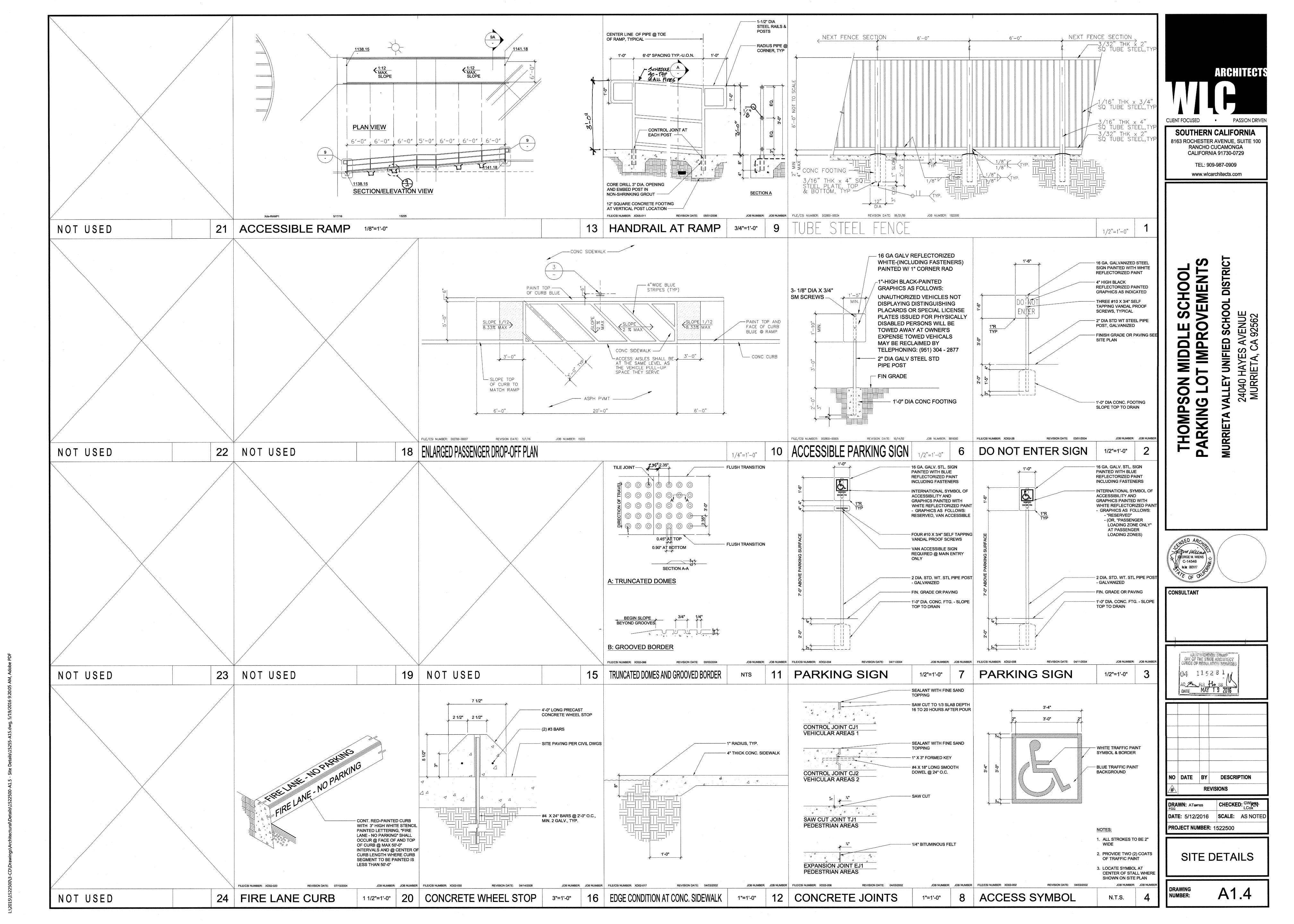
NO DATE BY DESCRIPTION

CHECKED: GWWs DRAWN: AGWres **DATE:** 5/12/2016 **SCALE:** 1" = 50'-0' PROJECT NUMBER: 1522500

> DEMOLITION ENLARGED SITE PLAN



L:\2015\1522500\3-CD\Drawings\Architectura\\1522500A13-Enl New Site Pln.dwg, 5/18/2016 12:20:2



THOMPSON MIDDLE SCHOOL PARKING LOT IMPROVEMENTS MURRIETA VALLEY UNIFIED SCHOOL DISTRICT

MURRIETA, CA 92562

GRADING NOTES

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE 1. CALIFORNIA BUILDING CODE, AND THE PRELIMINARY GEOTECHNICAL INVESTIGATION PREPARED BY LEIGHTON CONSULTING, INC ON MARCH 22, 2016. ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (APWA GREEN BOOK), LATEST EDITION AND AMENDMENTS.

RECORD AND/OR HIS REPRESENTATIVE WILL DETERMINE WHICH SPECIAL REQUIREMENT AND/OR CODE WILL GOVERN.

- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING AND DISPOSAL OF THE SECTION 400-4.3, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST
- 3. DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS IN
- 4. NO FILL SHALL BE PLACED ON THE EXISTING GROUND UNTIL THE GROUND HAS BEEN CLEARED OF WEEDS, DEBRIS, TOPSOIL, DELETERIOUS MATERIAL AND SCARIFIED PER THE

ACCORDANCE WITH CITY, COUNTY, AND STATE ORDINANCES AND STATUTES.

- 5. 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 DIRECTED BY THE GEOTECHNICAL ENGINEER.
- 6. FILLS SHALL BE COMPACTED THROUGHOUT TO 90% OF THE MAXIMUM DENSITY AS DETERMINED BY ASTM D1557-91 MODIFIED PROCTORED TEST BY THE GEOTECHNICAL 8. PROVIDE WEAKENED PLANE JOINTS IN CONCRETE CURBS 10' ON CENTERS.
- 7. 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 OR CRUSHED IN PLACE AND BACKFILLED AND APPROVED BY THE GRADING INSPECTOR AND GEOTECHNICAL 1.
- 10. SLOPES EXCEEDING FIVE FEET IN HEIGHT MUST BE PLANTED WITH AN APPROVED
- 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

 5. THE CONTRACTOR SHALL EXERCISE DUE CARE TO AVOID DAMAGE TO EXISTING 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 SHALL 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 PERFORMED TO VERIFY THE ACCURACY OF THE MAXIMUM DENSITY CURVES USED BY THE
- 16. SANITARY FACILITIES SHALL BE MAINTAINED ON THE SITE.
- 17. THE LOCATION AND PROTECTION OF ALL UTILITIES IS THE RESPONSIBILITY OF THE
- 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
- 19. ALL WATER WELLS SHALL BE ABANDONED IN COMPLIANCE WITH THE COUN™ STANDARDS AND IN ACCORDANCE WITH THE STATE DEPARTMENT OF WATER RESOURCES.
- 20. ALL EXISTING SEWERS, CESSPOOLS, AND SEPTIC TANKS OR OTHER SEWAGE DISPOSAL SOLE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE AND DETERMINE. 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 LOCAL AGENCY HAVING JURISDICTION.
- 22. PERMISSION IS REQUIRED FROM THE ADJACENT PROPERTY OWNER WHENEVER WORK IS PROPOSED ACROSS THE PROPERTY LINE.
- 23. ANY DIRT, ROCK OR CONSTRUCTION MATERIAL THAT MAY BE TRACKED OR DROPPED RELOCATION OF ANY EXISTING UTILITIES DEEMED NECESSARY BY THE PROPOSED

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
- 25. PRIOR TO ANY CONSTRUCTION WHICH INVOLVES HAZARDOUS CONDITIONS, THE 2. THE CONTRACTOR IS ADVISED TO CAREFULLY CHECK ALL PHASES OF WORK RELATING TO CONTRACTOR SHALL FIRST OBTAIN A PERMIT FROM THE DIVISION OF OCCUPATIONAL SAFETY AND HEALTH (DOSH).

SPILLING INTO THE ROADWAY.

- 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 3. SINCE THE CIVIL ENGINEER OR SURVEYOR CANNOT CONTROL THE EXACT METHODS OR 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 SUNDAY AND FEDERAL HOLIDAYS.
- 29. CONSTRUCTION PARKING SHALL BE ONSITE. TRAFFIC CONTROL AND ACCESS SHALL BE IN ACCORDANCE WITH THE GENERAL CONDITION REQUIREMENTS.

O. TRUCKS AND LARGE CONSTRUCTION VEHICLES WILL OBTAIN APPROVED TRUCK ROUTES

- FROM THE CITY AND/OR THE COUNTY.
- ACCESSED AREAS SHALL BE PAVED AS EARLY AS POSSIBLE TO MINIMIZE DIRT TRACKOUT SUBCONTRACTORS COMPLIANCE WITH SAID REGULATIONS AND ORDERS. TO THE PUBLIC RIGHT OF WAY.
- 32. THE CONTRACTOR SHALL UTILIZE MEASURES TO PREVENT DIRT FROM BEING TRACKED. COUNTY AT A PREGRADE MEETING AS WELL AS WHENEVER DIRT IS VISIBLE MORE THAN HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THI 50 FEET FROM THE ACCESS POINT INDEPENDENT OF THE ROUTINE CLEAN-UP SCHEDULE. PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE
- 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 PRIOR TO LEAVING THE SITE TO PREVENT SOIL LOSS DURING TRANSPORTATION.

ASPHALT PAVING GENERAL NOTES

- A PRE-PAVING MEETING IS REQUIRED 48 HOURS PRIOR TO PAVING. THE PROJECT CIVIL ENGINEER AND THE PROJECT INSPECTOR SHALL BE IN ATTENDANCE.
- THE AGGREGATE BASE SECTION SHALL BE COMPACTED PER SOILS REPORT REQUIREMENTS
- WHENEVER SPECIAL REQUIREMENTS CONFLICT ON ANY SUBJECT MATTER, THE ENGINEER OF 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
 - 4. THE ASPHALT CONCRETE FOR PARKING LOTS SHALL BE CLASS C2 AS SPECIFIED IN 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 VISCOSITY GRADE OF AR-4000 MINIMUM AND AR-8000 MAXIMUM TO THE SATISFACTION OF THE ENGINEER.
 - WITH SECTION 302-5.5 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. THE MAXIMUM LIFT DURING SPREADING SHALL BE 3" AND 2.5"
 - 6. 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
 - ALL ASPHALT AREAS SHALL BE PAVED AT A MINIMUM GRADIENT OF 1.25%.

 - 9. ALL WALKWAYS, LANDINGS, AND OTHER FINISHED SURFACES AT DOORWAYS SHALL BE FINISHED TO WITHIN O" (O INCH) OF THE THRESHOLD.
 - 10. A MINIMUM OF 6" AGGREGATE BASE WILL BE REQUIRED UNDER CONCRETE VALLEY GUTTERS. ALL VALLEY GUTTERS SHALL BE A MINIMUM 4'-0" WIDE.

DEMOLITION GENERAL NOTES

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 STATE LAWS AT NO COST TO THE OWNER.

- 2. EXISTING WATER LATERALS AND IRRIGATION, LINES SHALL BE CUT AND CAPPED AT THE 11. THE STOCKPILING OF EXCESS MATERIAL SHALL BE APPROVED BY THE OWNER IF IT IS TO LIMIT OF THE DEMO AREA SHOWN. ALL CAPPED ENDS FOR IRRIGATION SHALL BE SHALL BE TERMINATED IN A FLUSH UTILITY BOX FOR FUTURE ACCESS.
 - 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 SEWER CLEAN OUT.
 - EXISTING ELECTRICAL LINES SHALL BE TEMPORARILY REROUTED AROUND THE LIMITS OF THE DEMO AREA. ALL TEMPORARY WIRING CONNECTIONS SHALL BE TERMINATED IN AN ABOVE GROUND RISER.
 - HARDSCAPE IMPROVEMENTS , UTILITY FACILITIES, AND LANDSCAPING FEATURES THAT ARE
 - 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 CUT PRIOR TO JOINING.
- SO NOTED FOR EACH TEST. SUFFICIENT MAXIMUM DENSITY DETERMINATIONS SHALL BE 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 AT NO ADDITIONAL COST TO THE OWNER, UNLESS OTHERWISE INDICATED HEREIN, OR AS DIRECTED BY THE ARCHITECT OR ENGINEER.
 - 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. . 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
 - 10. THE CONTACTOR SHALL ABANDON EXISTING WELLS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND SHALL HAVE A C-57 CALIFORNIA CONTRACTORS LICENCE. IT IS THE
 - 11. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE AND DETERMINE THE EXTENT OF DEMOLITION BASED ON THE PROPOSED IMPROVEMENTS SHOWN IN THIS

UTILITY GENERAL NOTES

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR AND COORDINATE THE WITHIN THE PUBLIC RIGHT-OF-WAY DURING THE TRANSPORTATION OF SAID MATERIAL OR IMPROVEMENT.

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

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.

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.

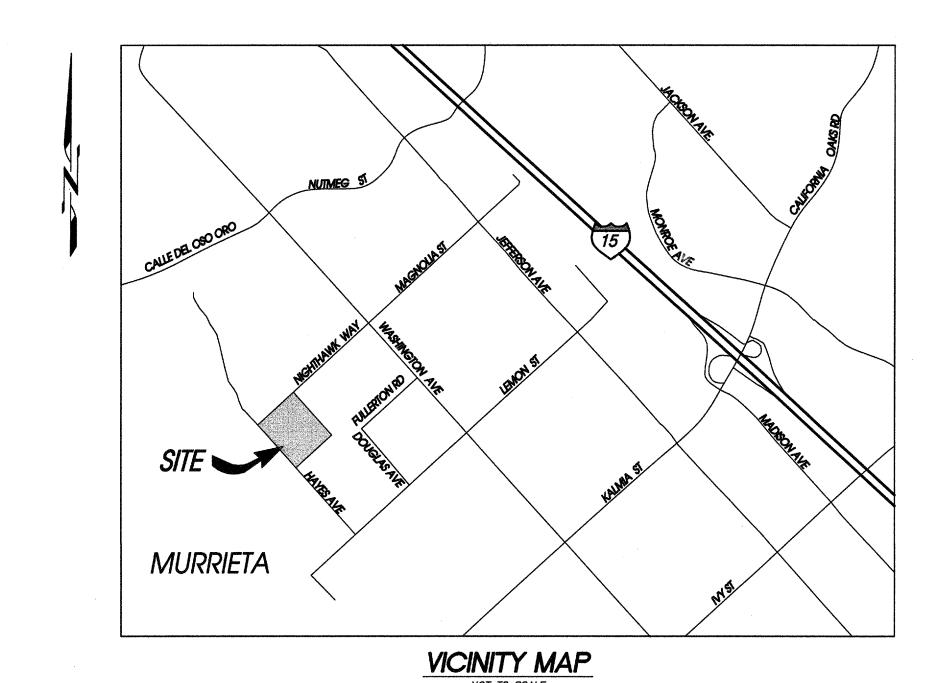
4. COMPLIANCE WITH THE CONSTRUCTION REQUIREMENTS FOR ACCESSIBILITY WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND HIS SUB-CONTRACTORS.

PRIVATE ENGINEER'S NOTICE

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 31. THE CONTRACTOR SHALL CONTROL DUST IN AREAS USED FOR OFF-ROAD PARKING, DEPARTMENT OF INDUSTRIAL RELATIONS "CONSTRUCTION SAFETY ORDERS." THE CIVIL MATERIALS LAYDOWN OR THOSE AWAITING FUTURE CONSTRUCTION. FREQUENTLY ENGINEER SHALL NOT BE RESPONSIBLE IN ANY WAY FOR THE CONTRACTORS AND

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 WASHED BLOWN OR OTHERWISE CONVEYED ONTO PAVED ROADWAYS, AND WILL WASH OR CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE SWEEP CONSTRUCTION ACCESS POINTS ON A ROUTINE BASIS AS SPECIFIED BY THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE CIVIL ENGINEER NEGLIGENCE OF THE OWNER OR ENGINEER.

THE EXISTENCE AND APPROXIMATE LOCATIONS OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE ANY HAULED MATERIAL AND THE TOP OF THE TRAILER. HAUL TRUCK DRIVERS WILL LOAD 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. THI CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY AND IRRIGATION COMPANIES PRIOR TO WORK OR 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.



ASPHALT TO CONCRETE <u>a_______</u> AMERICAN DISABILITIES ACT BACK FLOW DEVICE CHAIN LINK FENCE CLEAN OUT CONCRETE DCDA DOUBLE CHECK DETECTOR ASSEMBLY ELECTRIC EDGE OF CONCRETE EDGE OF PAVEMENT FINISHED FLOOR FINISHED GROUND FIRE HYDRANT EGDE OF PAVEMENT FLOWLINE FIRE DEPARTMENT CONNECTION --- GRADED SWALE FINISHED SURFACE HIGH POINT ---- EDGE OF CONCRETE INVERT (SEWER) EXISTING STORM DRAIN INVERT (SD) POST INDICATOR VALVE POWER POLE SIDEWALK TOP OF BERM TOP OF CURE TOP OF FOOTING

TOP OF GRATE

WATER METER

WATER VALVE

UTILITY

TOP OF PAVEMENT TOP OF WALL

BACK FLOW DEVICE

MANHOLE AS NOTED

FIRE HYDRANT

POWER POLE

CONTROL POINT

PROPOSED AC PAVEMENT

PROPOSED PCC SURFACE

GRADING CONSTRUCTION NOTES

1) CONSTRUCT 3" AC OVER 6" C.A.B. AT 95% RELATIVE COMPACTION CONSTRUCT 3 1/2" AC OVER 9 1/2" C.A.B. AT 95% RELATIVE COMPACTION

CONSTRUCT 4" PCC (560-C-3250) OVER NATIVE AT 95% RELATIVE COMPACTION WITH #4 BARS @ 18" OC BOTH WAYS & WITH THICKENED EDGE PER DETAIL "A" 4) CONSTRUCT O" CURB (560-C-3250) PER DETAIL "B" ON SHEET C3.1

(5) CONSTRUCT TYPE A-6 CURB & GUTTER PER CITY OF MURRIETA STD. 301) CONSTRUCT PCC (560—C—3250) MOW STRIP ARCHITECTS PLANS, DETAILS, & SPECS ') PAINT/APPLY ACCESSIBLE SIGNING/STRIPING/PAVEMENT MARKINGS PER ARCHITECTS PLANS, DETAILS, & SPECS

(8) JOIN EXISTING FINISH SURFACE FLUSH & DOWEL PER DETAIL "C" ON SHEET C3.1 9) FURNISH & INSTALL PRECAST WHEEL STOP PER ARCHITECTS PLANS, DETAILS, & SPECS

O) PROTECT SPECIFIED ITEM IN PLACE 1) ADJUST EXISTING ITEM TO PROPOSED FINISHED GRADE 2) GRIND EXISTING AC 0.13' & OVERLAY WITH 0.13' (MIN) AC 3' WIDE MINIMUM

13) SAWCUT, REMOVE & DISPOSE OF EXISTING AC PAVEMENT (14) FURNISH & INSTALL SITE FENCING/RAILING/GATE PER ARCHITECTS PLANS, DETAILS, & SPECS 5) FURNISH & INSTALL TRUNCATED DOME SURFACE & PLACE CONCRETE GROOVING BORDER

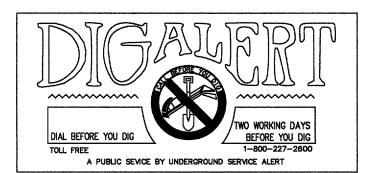
PER ARCHITECTS PLANS, DETAILS, & SPECS 16) CONSTRUCT 4' PCC (560—C—3250) RIBBON GUTTER PER DETAIL "D" ON SHEET C3.1 7) JOIN & MATCH FLUSH

18) PAINT 4" WHITE PARKING STRIPES PER ARCHITECTS PLANS, DETAILS, & SPECS (19) CONSTRUCT ACCESSIBLE PCC (560-C-3250) RAMP PER SPPWC STD 111-4 CASE A, TYPE 1 PER DETAIL "E" ON SHEET C3.1 (20) CONSTRUCT FULL DEPTH AC SLOT REPAIR

(21) CONSTRUCT 6" PCC (560-C-3250) CURB ONLY PER CITY OF MURRIETA STD 305 MODIFIED TO 6 CURB FACE, CASE A (22) CONSTRUCT O" TO 6" PCC (560-C-3250) CURB TRANSITION PER DETAIL "F" ON SHEET C3.2

SHEET INDEX				
SHEET No.	SHEET TITLE	No.		
C1.1	TITLE SHEET	1		
C2.1	TOPOGRAPHIC MAP	2		
C3.1	PRECISE GRADING	3		
C3.2	DETAILS	4		
C4.1	STREET IMPROVEMENT PLAN	5		

STREET IMPROVEMENT PLAN



6



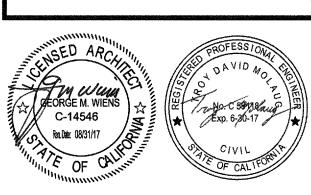
SOUTHERN CALIFORNIA 8163 ROCHESTER AVENUE, SUITE 100 RANCHO CUCAMONGA CALIFORNIA 91730-0729

TEL: 909-987-0909

www.wlcarchitects.com

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CONSULTANT

EPIC ENGINEER 101 E. REDLANDS BOULEVARD SUITE 146 REDLANDS, CA 92373 TELE 909 - 792 - 5969

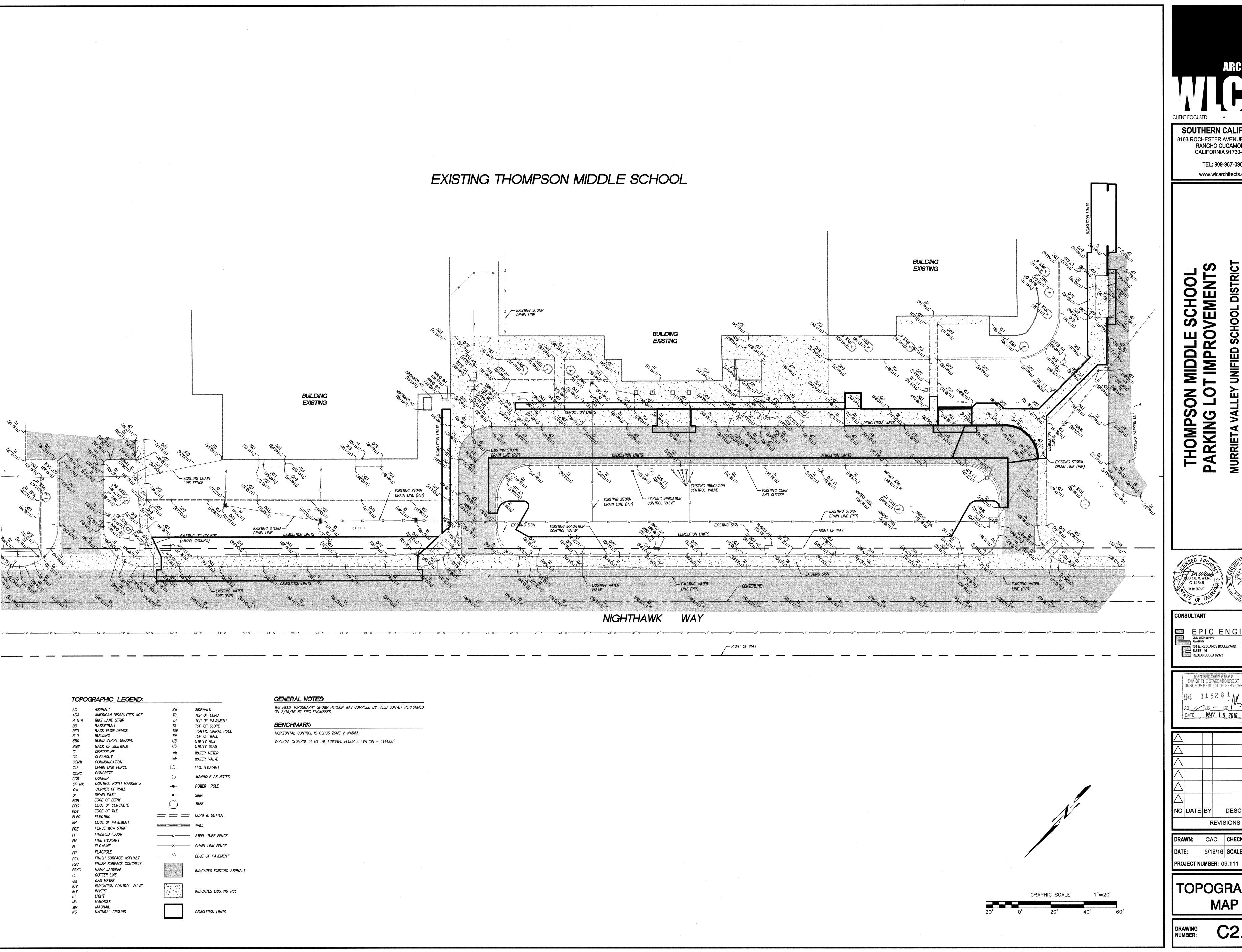
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DRAWN: CAC CHECKED: RAR DATE: 5/19/16 SCALE: AS NOTE! PROJECT NUMBER: 09.111

TITLE SHEET

NUMBER:





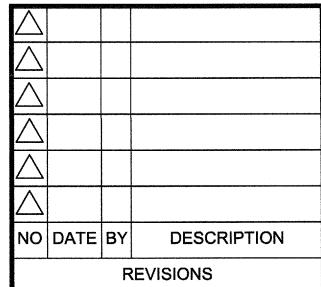
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CONSULTANT EPIC ENGINEERS

CIVIL ENGINEERING
PLANNING
PLANNING
PLANNING
STORMWATER MANAGEMENT

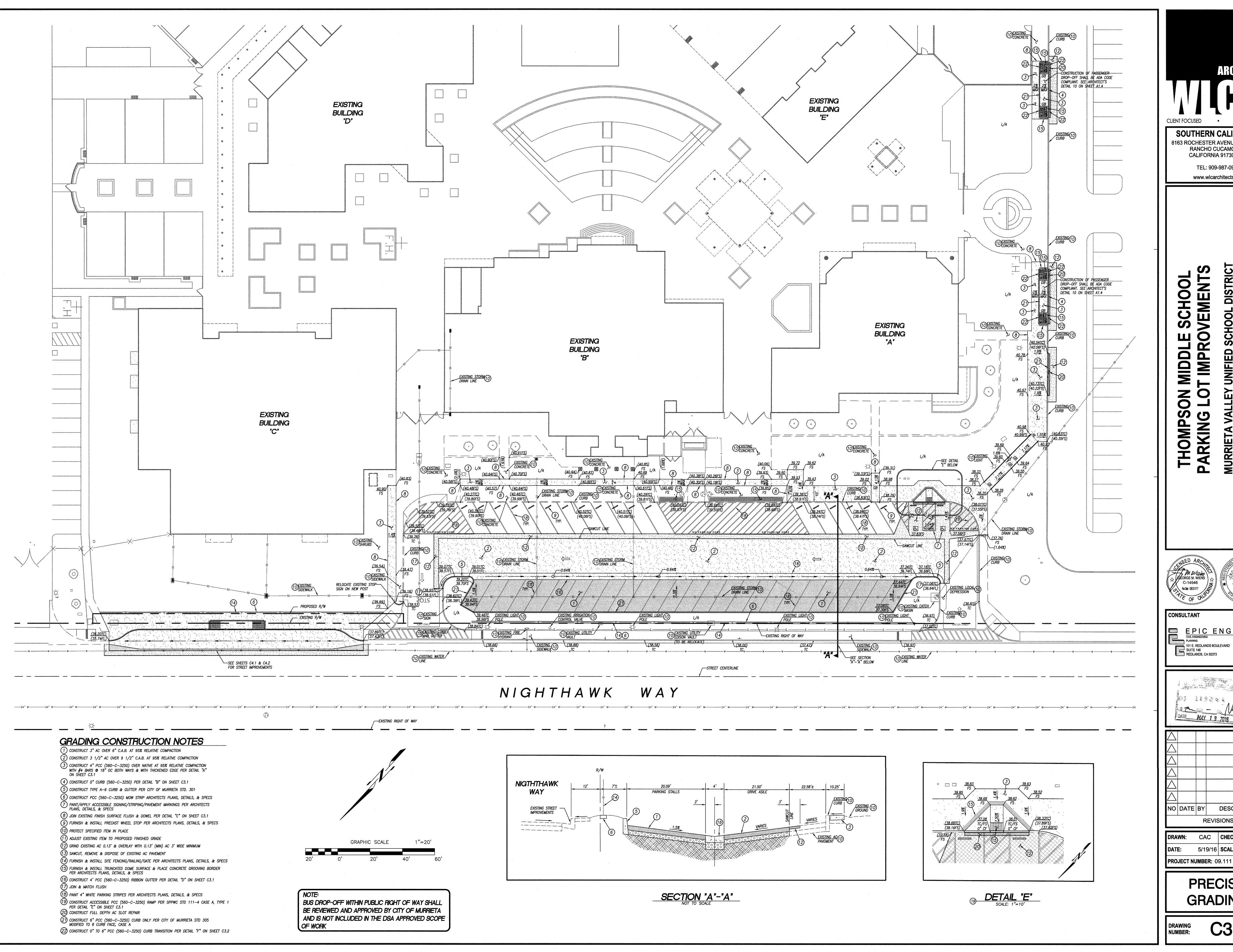
101 E. REDLANDS BOULEVARD
SUITE 146
REDLANDS, CA 92373
FAX 909 - 792 - 8869

DATE MAY 1 9 2016



DRAWN: CAC CHECKED: RAR **DATE:** 5/19/16 **SCALE:** 1" = 20'

TOPOGRAPHIC MAP



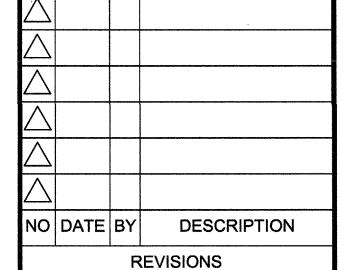
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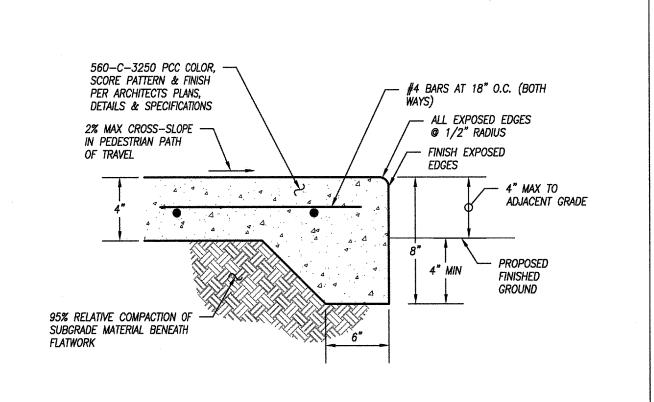
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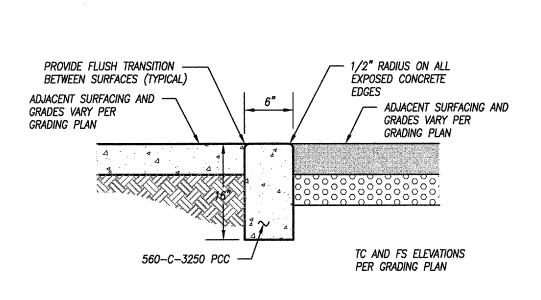
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DRAWN: CAC CHECKED: RAR **DATE:** 5/19/16 **SCALE**: 1" = 20' PROJECT NUMBER: 09.111

> PRECISE GRADING

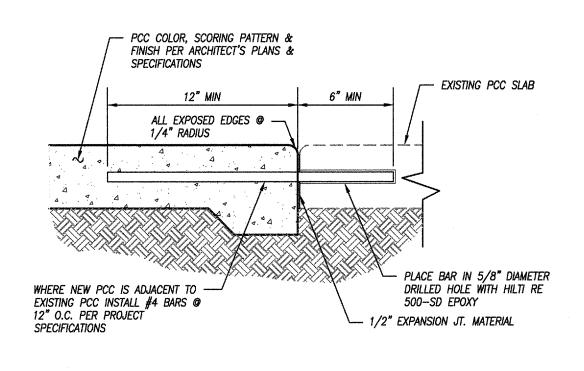




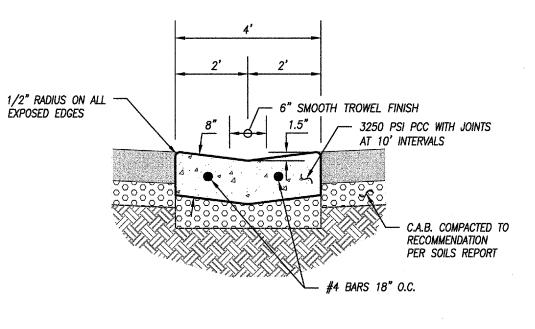
DETAIL "B"

O' PCC CURB

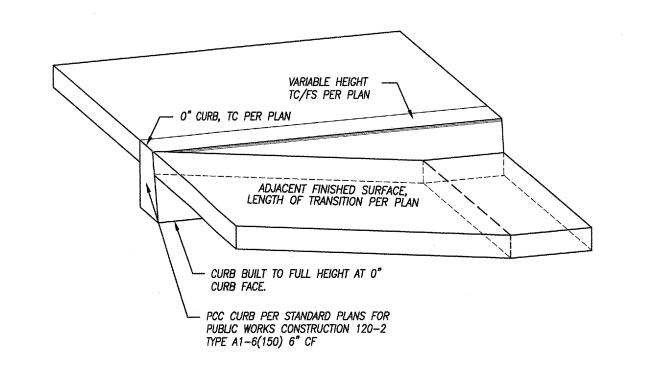
NOT TO SCALE



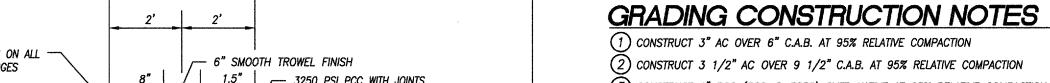
DETAIL "C"
DOWELING DETAIL



DETAIL "D"
4' RIBBON GUTTER
NOT TO SCALE



THIS AREA LEFT



1) CONSTRUCT 3" AC OVER 6" C.A.B. AT 95% RELATIVE COMPACTION 2) CONSTRUCT 3 1/2" AC OVER 9 1/2" C.A.B. AT 95% RELATIVE COMPACTION (3) CONSTRUCT 4" PCC (560-C-3250) OVER NATIVE AT 95% RELATIVE COMPACTION WITH #4 BARS @ 18" OC BOTH WAYS & WITH THICKENED EDGE PER DETAIL "A" ON SHEET C3.1

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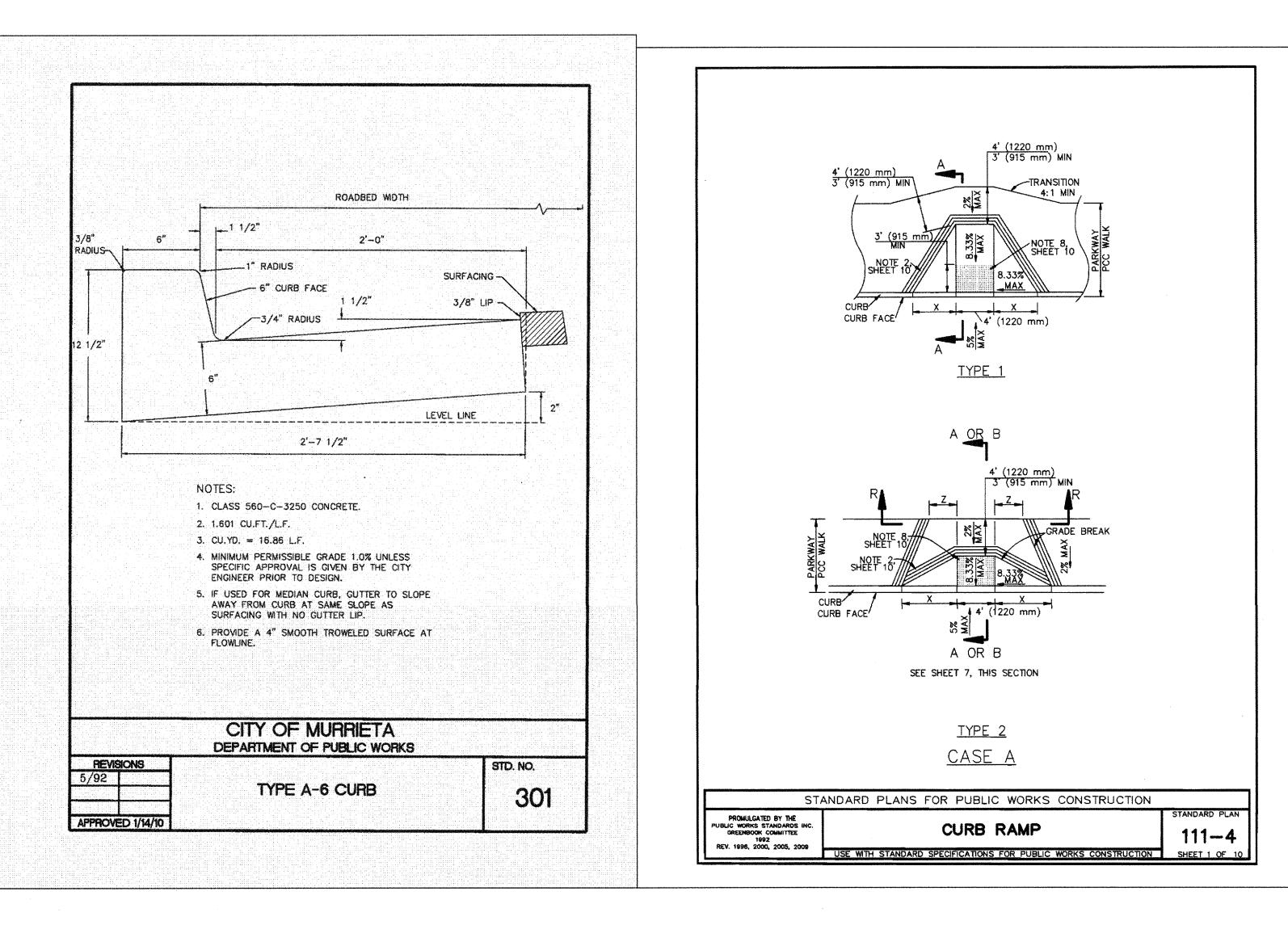
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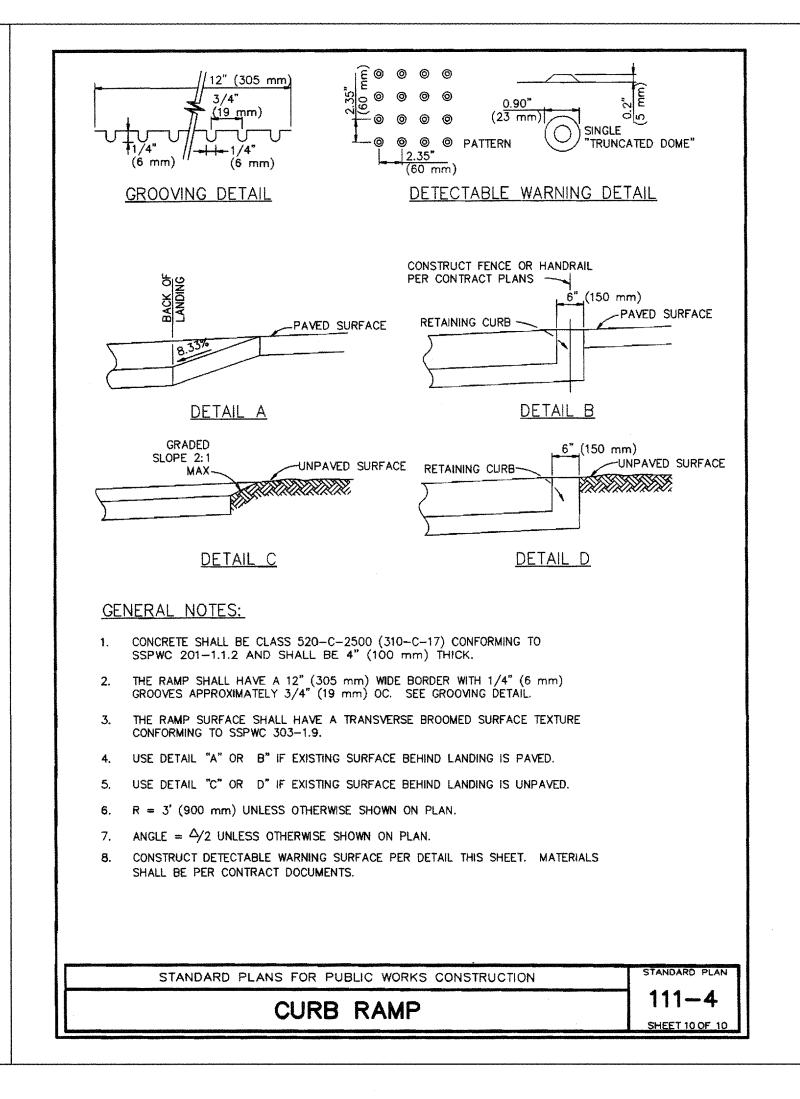
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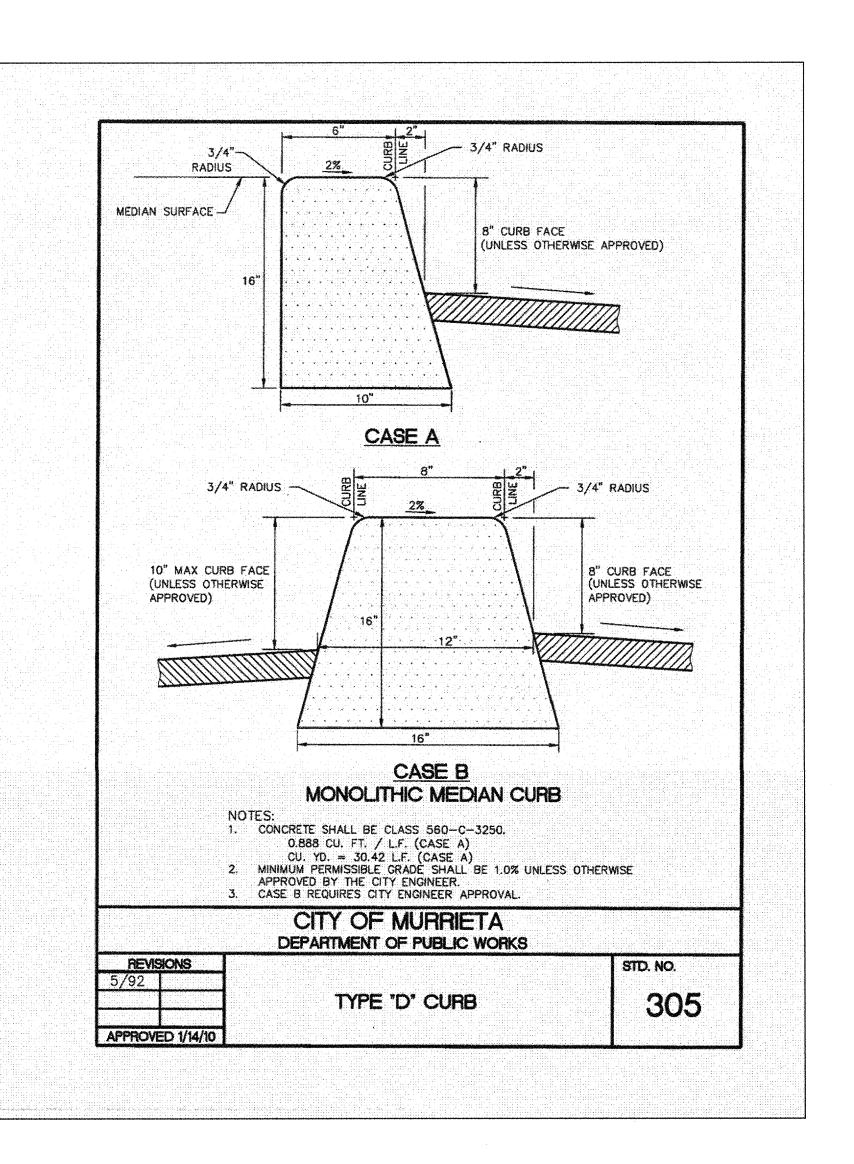
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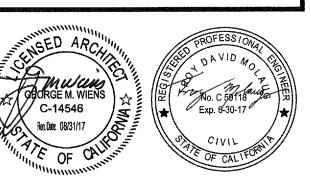
DISTRICT **VEMENTS** FIED SCHOOL I ES AVENUE 4, CA 92562 RO

SCHOOL

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THOMPSO

VALLEY UNII 24040 HAYE MURRIETA



CONSULTANT EPIC ENGINEERS

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

ON OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES

NO DATE BY DESCRIPTION

REVISIONS DRAWN: CAC CHECKED: RAR DATE: 5/19/16 SCALE: AS NOTED

PROJECT NUMBER: 09.111

DETAILS

DRAWING NUMBER:

CITY OF MURRIETA STREET IMPROVEMENT PLANS FOR NIGHTHAWK WAY

GRADING NOTES

FXCAVATION.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING OF THE PROPOSED WORK 1. AREA, AND RELOCATION COST OF ALL EXISTING UTILITIES. PERMITTEE MUST INFORM THE CITY OF CONSTRUCTION SCHEDULE AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION PHONE: (951)304-2489
- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CITY OF MURRIETA PUBLIC WORKS DEPARTMENT IMPROVEMENT STANDARDS AND THE LATEST EDITION OF STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK).
- CURB DEPRESSIONS AND DRIVEWAY APPROACHES WILL BE INSTALLED AND CONSTRUCTED BLUE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED TO MARK FIRE
- FOLLOWING FINAL SEALANT AND STRIPING. WORK MAY NOT START UNTIL PERMITS HAVE BEEN OBTAINED.
- THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS WITH UNDERGROUND SERVICE ALERT AT 1-800-422-4133 AT LEAST TWO (2) WORKING DAYS PRIOR TO ANY
- ALL PAVEMENT SECTIONS ARE AT MINIMUM REQUIREMENTS. ADDITIONAL SOIL TEST SHALL BE TAKEN AFTER ROUGH GRADING TO DETERMINE THE EXACT STRUCTURAL SECTION REQUIREMENTS. USE STANDARD NO. 320 IF EXPANSIVE SOIL ARE ENCOUNTERED.
- 9. DUST CONTROL SHALL BE MAINTAINED AT ALL TIMES BY WATER OR OTHER APPROVED 8.
- 10. EQUIPMENT AND MATERIALS SHALL BE STORED IN A NEAT AND PROTECTED MANNER.
- THE CONTRACTOR WILL CONDUCT HIS OPERATIONS AS TO OFFER THE LEAST POSSIBLE OBSTRUCTION AND INCONVENIENCE TO PUBLIC TRAFFIC, AND HE SHALL HAVE UNDER CONSTRUCTION NO GREATER LENGTH OR AMOUNT OF WORK THAN HE CAN EXECUTE PROPERLY. ON EXISTING ROADS, TRAFFIC SHALL BE PERMITTED TO PASS THROUGH THE WORK AREA WITH AS LITTLE INCONVENIENCE AND DELAY AS POSSIBLE.
- 2. EXISTING TRAFFIC SIGNALS AND LIGHTING SYSTEMS SHALL BE KEPT IN OPERATION FOR THE BENEFIT OF THE TRAVELING PUBLIC, AND TO MINIMIZE ANY INTERFERENCE WITH ROUTINE MAINTENANCE OF EXISTING SYSTEMS DURING WORK PROGRESS.
- 3. WHENEVER THE CONTRACTOR'S OPERATION CREATES A HAZARDOUS CONDITION TO TRAFFIC OR TO THE PUBLIC, HE SHALL FURNISH AT HIS OWN EXPENSE, SUCH FLAGMEN AND GUARDS AS ARE NECESSARY TO GIVE ADEQUATE WARNING TO THE PUBLIC OF ANY DANGEROUS CONDITIONS. HE SHALL ALSO FURNISH, ERECT AND MAINTAIN SUCH FENCES BARRICADES, LIGHTS, SIGNS, AND OTHER DEVICES NECESSARY TO PREVENT ACCIDENTS AND INJURY TO THE PUBLIC.
- 4. WHERE SURVEY MONUMENTS EXIST, SUCH MONUMENTS WILL BE PROTECTED OR SHALL BE REFERENCED AND RESET, PURSUANT TO BUSINESS AND PROFESSIONS CODE, SECTION 8700 TO 8805 (LAND SURVEYOR'S ACT).
- 15. WHERE NEW A.C. PAVEMENT JOIN EXISTING PAVEMENT, SAWCUT TO A NEAT EDGE. THE SAWCUTS MUST BE PERPENDICULAR, PARALLEL OR RADIAL TO THE ROADWAY CENTERLINE. OVERLAY AND FEATHER NEW A.C. PAVEMENT TO PROVIDE SMOOTH TRANSITION.
- . ALL EXISTING STREET SIGNS, ROADSIDE MARKERS ETC., SHALL BE PROTECTED AND/OR REPLACED IN KIND TO THE CURRENT CITY STANDARD PLANS AND CURRENT TRAFFIC MANUAL, AT NO COST TO THE CITY.
- MIN. RATE OF 0.05 GALLON PER SQUARE YARD. ASPHALTIC EMULSION SHALL CONFORM CONSISTENT WITH CURRENT STANDARDS. TO SECTION 37, 39, AND 94 OF THE STATE STANDARD SPECIFICATIONS.
- STREET SECTION INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: WATER, SEWER, GAS, ELECTRIC, CABLE T.V., TELEPHONE, AND DRAINAGE.
- 19. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES ADDRESS: SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO PHONE NO. THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON FAX NO.: THESE PLANS, THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITY LINES, INCLUDING ANY OTHER LINES NOT SHOWN ON THESE ENGINEER'S NAME PRINTED PLANS OR NOT OF RECORD.
- 20. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO APPLY TO THE CITY OF MURRIETA ENGINEERING DEPARTMENT, FOR AN ENCROACHMENT PERMIT FOR ALL WORK ON SIGNING AND STRIPING NOTES EXISTING CITY MAINTAINED ROADS, AND FOR UTILITY WORK WITHIN OFFERS OF DEDICATION
- 21. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER TO INSTALL STREET CENTERLINE MONUMENTS AS REQUIRED BY CITY STANDARD DRAWINGS NO. 22. STREET LIGHTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MURRIETA
- 23. APPROVAL OF THESE PLANS BY THE CITY OR ITS AGENTS DOES NOT RELIEVE THE APPLICANT AND HIS ENGINEER FROM THE RESPONSIBILITY FOR THE CORRECTION OF ERRORS OR OMISSIONS DISCOVERED DURING CONSTRUCTION. UPON REQUEST, THE APPROPRIATE PLAN REVISIONS SHALL BE PROMPTLY SUBMITTED TO THE CITY ENGINEER
- 24. ALL GTE, SCE AND SCG FACILITIES WILL BE RELOCATED OR MODIFIED BY THE RESPECTIVE UTILITIES OR THEIR APPOINTED REPRESENTATIVES.
- 25. ALL WATER RELATED WORK SHALL BE DONE IN ACCORDANCE WITH THE SERVICING WATER 4.
- 26. ALL SEWER RELATED WORK SHALL BE DONE IN ACCORDANCE WITH THE SERVICING WATER DISTRICT STANDARDS AND SPECIFICATIONS.
- 7. ANY SERVICE SHUT DOWN SHALL BE DONE AT NIGHT, PRIOR TO ANY SHUT DOWN, THE CONTRACTOR SHALL NOTIFY THE DIRECTOR, ENGINEER, CUSTOMER, FIRE DEPARTMENT, SERVICING WATER DISTRICT, AND ALL OTHERS AFFECTED BY THE SHUT DOWN A MINIMUM OF TWO (2) WEEKS IN ADVANCE.
- 28. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER OR CONTRACTOR TO APPLY TO CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) FOR AN ENCROACHMENT PERMIT FOR ALL WORK PERFORMED WITHIN THE STATE RIGHT-OF-WAY.
- 29. 24 HOUR EMERGENCY CONTACT:

STANDARD NO. 619 OR 620.

- THE STRUCTURAL SECTION SHOWN ON THE PLANS IS THE MINIMUM SECTION REQUIRED BY THE CITY. ACTUAL STRUCTURAL SECTIONS WILL BE DETERMINED AFTER THE "R" VALUE TEST HAS BEEN CONDUCTED BY A QUALIFIED SOILS ENGINEER ON THE PREPARED SUB-BASE MATERIAL. THE "R" VALUE TEST AND ENGINEERED STRUCTURAL SECTION MUST BE APPROVED BY THE ENGINEERING INSPECTOR PRIOR TO THE INSTALLATION OF BASE AND PAVING MATERIALS. STRUCTURAL SECTIONS DIFFERING FROM THE MINIMUM SHALL BE 6. NOTED ON THE "AS-BUILT" DRAWINGS.
- A RIGHT-OF-WAY PERMIT IS REQUIRED FROM THE ENGINEERING DEPARTMENT PRIOR TO 7. START OF ANY CONSTRUCTION WITHIN CITY RIGHT-OF-WAY.
- ALL UNDERGROUND UTILITIES AND LATERALS SHALL BE INSTALLED CONSTRUCTION OF CURBS, CROSS GUTTERS OR SURFACING OF STREETS. HYDRANT AND/OR WATER SUPPLY LOCATIONS AT THE DIRECTION OF THE CITY INSPECTOR
 - 1,350 OR ASBESTOS CONCRETE PIPE WITH A MINIMUM D-LOAD OF 2,000.
 - STREET TREES SHALL BE INSTALLED AT AN AVERAGE INTERVAL NOT TO EXCEED ONE (1) TREE PER FORTY-FOOT (40') OF FRONTAGE. TREES SHALL BE PLANTED IN CONFORMANCE

WITH CITY OF CARLSBAD STANDARD GS-8 AND THE REQUIREMENTS OF THE PARKS AND

FIRE HYDRANT MARKERS SHALL BE PLACED IN THE STREET ADJACENT TO ALL NEW AND EXISTING FIRE HYDRANTS IN CONFORMANCE WITH CITY FIRE DEPARTMENT REQUIREMENTS.

- MINIMUM PARKING LOT GRADE SHALL BE 1%.
- MINIMUM GRADE FOR RIBBON DRAINS SHALL BE 0.5%. 3. AN APPROVED SOIL STERILIZER SHALL BE USED ON ALL SUBGRADE SURFACES PRIOR TO
- ASPHALTIC EMULSION (FOG SEAL) SHALL BE APPLIED NO LESS THAN FOURTEEN DAYS FOLLOWING PLACEMENT OF THE ASPHALT SURFACING AND SHALL BE APPLIED AT A RATE
- OF 0.05 GALLONS PER SQUARE YARD, ASPHALT EMULSION SHALL CONFORM TO SECTION 37, 39 AND 94 OF THE STATE STANDARD SPECIFICATIONS. THE SUBDIVIDER OR CONTRACTOR SHALL APPLY TO THE CITY ENGINEERING DEPARTMENT

FOR AN ENCROACHMENT PERMIT FOR ALL WORK WITHIN THE RIGHT-OF-WAY.

- 6. TWO SPECIAL INSPECTIONS ARE REQUIRED BY THE CITY ENGINEERING DEPARTMENT. ONE INSPECTION AT THE TIME THE BASE IS PLACED AND THE SECOND WHEN THE A.C. HAS
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING OF THE PROPOSED WORK AREA, AND RELOCATION AND COST OF ALL EXISTING UTILITIES. THE CITY SHALL BE INFORMED 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION AT (951)304—2489.
- 8. A COMPACTION REPORT BY A SOIL ENGINEER SHALL CERTIFY 95% COMPACTION OF BASE PRIOR TO CALLING FOR SECOND INSPECTION AND PLACEMENT OF ASPHALT PAVING.

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT. THAT I HAVE ASPHALTIC EMULSION (FOG SEAL)SHALL BE APPLIED NOT LESS THAN FOURTEEN (14) EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN DAYS FOLLOWING PLACEMENT OF THE ASPHALT SURFACING AND SHALL BE APPLIED AT A SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE. AND THAT THE DESIGN IS

UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATION BY THE CITY OF 8. ALL UNDERGROUND FACILITIES, WITH LATERALS SHALL BE IN PLACE PRIOR TO PAYING THE MURRIETA IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING OF THE PROPOSED WORK AREA AND RELOCATION COST OF ALL EXISTING UTILITIES. PERMITTEE MUST INFORM THE CITY OF CONSTRUCTION SCHEDULE AT LEAST 48 HOURS PRIOR TO BEGINNING OF

2. TRAFFIC STRIPES, PAVEMENT MARKINGS AND RAISED PAVEMENT MARKERS PER FEDERAL HIGHWAY ADMINISTRATION MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2003 EDITION OR ITS LATEST REVISION) AND CALTRANS MUTCD CALIFORNIA SUPPLEMENT (MAY 25. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER OR CONTRACTOR TO APPLY TO 20, 2004 OR ITS LATEST REVISION), CALTRANS STANDARD PLANS AND SPECIFICATIONS,

LATEST EDITION, CITY OF MURRIETA PUBLIC WORKS DEPARTMENT IMPROVEMENT

STANDARDS AND THE LATEST EDITION OF STANDARD SPECIFICATION FOR PUBLIC WORKS

- ALL STRIPES, SIGNS, AND PAVEMENT MARKINGS SHALL BE REFLECTORIZED. STENCILS FOR PAVEMENT MARKINGS SHALL MATCH METRIC STANDARD STENCILS EXACTLY. ALL STRIPING AND MARKING DETAILS SHALL MATCH CALTRANS STANDARD PLANS DETAILS.
- ALL CONFLICTING STRIPES AND PAVEMENT MARKINGS SHALL BE REMOVED BY SANDBLASTING. CONFLICTING SIGNS AND RAISED PAVEMENT MARKERS SHALL BE REMOVED. ALL REMOVALS OF SIGNS AND MARKING SHALL BE THE RESPONSIBILITY OF THE

DESCRIPTON: AS NOTED

LOCATION: AS NOTED

ELEVATION: AS NOTED

Underground Service Alert

1-800 422-4133

SIGNING AND STRIPING NOTES (CONTD.)

- APPLIED IN TWO COATS. PAVEMENT MARKINGS SHALL BE APPLIED IN THERMOPLASTIC FORMAT UNLESS APPROVED OTHERWISE. (REPAINT 300' IN EACH DIRECTION)(CAT TRACK
- ALL REMOVED SIGNS SHALL BE SALVAGED AND DELIVERED TO THE CITY YARD AS DIRECTED BY THE CITY INSPECTOR ON THE JOB SITE.

INSTALLATION OF SIGNING AND STRIPING SHALL BE IN ACCORDANCE WITH THE APPROVED

- PLAN WITH ALL INCURRED COSTS BORNE BY THE DEVELOPER/APPLICANT. RAISED PAVEMENT MARKERS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE STRIPING DETAILS SHOWN ON THE SIGNING AND STRIPING PLAN. INSTALLATION SHALL BE COMPLETE WITHIN SEVEN WORKING DAYS OF ROADWAY
- ARTERIAL CLASSIFICATIONS OR HIGHER, OR AS DETERMINED BY THE CITY ENGINEER. STORM DRAIN PIPE SHALL BE REINFORCED CONCRETE PIPE WITH A MINIMUM D-LOAD OF 9. THE DEVELOPER WILL INSTALL STREET NAME SIGNS CONFORMING TO CITY STANDARD NO.

STRIPING. RAISED PAVEMENT MARKERS ARE TO BE INSTALLED ON ROADWAYS WITH

- 6. WHEELCHAIR RAMPS SHALL BE INSTALLED AT CURB RETURNS PER REQUIREMENTS OF 10. BLUE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED TO MARK FIRE HYDRANT AND/OR WATER SUPPLY LOCATIONS AT THE DIRECTION OF THE CITY INSPECTOR FOLLOWING FINAL SEALANT AND STRIPING.
- CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS WITH UNDERGROUND SERVICE RECREATION DIRECTOR. TREES ARE TO BE PLANTED A MINIMUM OF FOUR-FEET (4') FROM ALERT AT 1-800-422-4133 AT LEAST TWO (2) WORKING DAYS PRIOR TO ANY
 - 13. EQUIPMENT AND MATERIALS SHALL BE STORED IN A NEAT AND PROTECTED MANNER. STORAGE LOCATION WILL BE APPROVED BY CITY INSPECTOR.
 - 14. THE CONTRACTOR WILL CONDUCT HIS OPERATIONS AS TO OFFER THE LEAST POSSIBLE OBSTRUCTION AND INCONVENIENCE TO PUBLIC TRAFFIC, AND SHALL HAVE UNDER CONSTRUCTION NO GREATER LENGTH OR AMOUNT OF WORK THAN CAN BE EXECUTED PROPERLY. ON EXISTING ROADS, TRAFFIC SHALL BE PERMITTED TO PASS THROUGH THE WORK AREA WITH AS LITTLE INCONVENIENCE AND DELAY AS POSSIBLE. RESTRICTED
 - 15. EXISTING TRAFFIC SIGNALS AND LIGHTING SYSTEMS SHALL BE KEPT IN OPERATION FOR THE BENEFIT OF THE TRAVELING PUBLIC, AND TO MINIMIZE ANY INTERFERENCE WITH ROUTINE MAINTENANCE OF EXISTING SYSTEMS DURING WORK PROGRESS.
 - 16. WHENEVER THE CONTRACTOR'S OPERATION CREATES A HAZARDOUS CONDITION TO TRAFFIC OR TO THE PUBLIC, CONTRACTOR SHALL FURNISH AT THEIR OWN EXPENSE, SUCH FLAGMEN AND GUARDS AS ARE NECESSARY TO GIVE ADEQUATE WARNING TO THE PUBLIC OF ANY DANGEROUS CONDITIONS. THE CONTRACTOR SHALL ALSO FURNISH, ERECT AND MAINTAIN SUCH FENCES, BARRICADES, LIGHTS, SIGNS, AND OTHER DEVICES NECESSARY TO PREVENT ACCIDENTS AND INJURY TO THE PUBLIC.
 - 17. WHERE SURVEY MONUMENTS EXIST, SUCH MONUMENTS WILL BE PROTECTED OR SHALL BE REFERENCED AND RESET, PURSUANT TO BUSINESS AND PROFESSIONS CODE, SECTIONS 8700 TO 8805 (LAND SURVEYOR'S ACT).
 - 18. ALL EXISTING STREET SIGNS, ROADSIDE MARKERS, ETC. SHALL BE PROTECTED AND/OR REPLACED IN KIND TO THE CURRENT CITY STANDARD PLANS AND CURRENT TRAFFIC MANUAL, AT NO COST TO THE CITY.
 - THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS, THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITY LINES, INCLUDING ANY OTHER LINES NOT SHOWN ON THESE PLANS OR NOT OF RECORD.
 - 20. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO APPLY TO THE CITY OF MURRIETA ENGINEERING DEPARTMENT, FOR AN ENCROACHMENT PERMIT FOR ALL WORK ON EXISTING CITY MAINTAINED ROADS AND FOR UTILITY WORK WITHIN OFFERS OF DEDICATION FOR PUBLIC USE.
 - 21. APPROVAL OF THESE PLANS BY THE CITY OR IT'S AGENTS DOES NOT RELIEVE THE APPLICANT AND HIS ENGINEERS FROM THE RESPONSIBILITY FOR THE CORRECTION OF ERRORS OR OMISSIONS DISCOVERED DURING CONSTRUCTION. UPON REQUEST, THE APPROPRIATE PLAN REVISIONS SHALL BE PROMPTLY SUBMITTED TO THE CITY ENGINEER FOR REVIEW AND APPROVAL.
 - 22. ANY SERVICE SHUT DOWN SHALL BE DONE AT NIGHT. PRIOR TO ANY SHUT DOWN, THE CONTRACTOR SHALL NOTIFY THE DIRECTOR, ENGINEER, CUSTOMER, FIRE DEPARTMENT, SERVICING WATER DISTRICT, AND ALL OTHERS AFFECTED BY THE SHUT DOWN A MINIMUM OF TWO (2) WEEKS IN ADVANCE.
 - 23. ALL STATIONING REFERS TO CENTERLINE OF CONSTRUCTION UNLESS OTHERWISE NOTED. FEDERAL ENDANGERED SPECIES LAW. THE CITY OF MURRIETA IS NOT RESPONSIBLE FOR ANY SUCH VIOLATION OF STATE OR FEDERAL ENDANGERED SPECIES LAW DUE TO THE
 - CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) FOR AN ENCROACHMENT PERMIT FOR ALL WORK PERFORMED WITHIN THE STATE RIGHT-OF-WAY.

EXPIRATION DATE

DATUM: AS NOTED

"AS BUILT"

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT

ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

APPROVED FOR SIGNATURE

PLAN CHECK FIRM

PLAN CHECK ENGR. NAME TYPED DATE

LEGEND:

SIDEWALK

TOP OF BERM

TOP OF CURB

TOP OF GRATE

UTILITY

№ NO. C59118 EXP. 06-30-17

CIVIL

HORIZONTAL

AS NOTED

VERTICAL

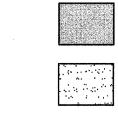
AS NOTED

WATER METER

WATER VALVE

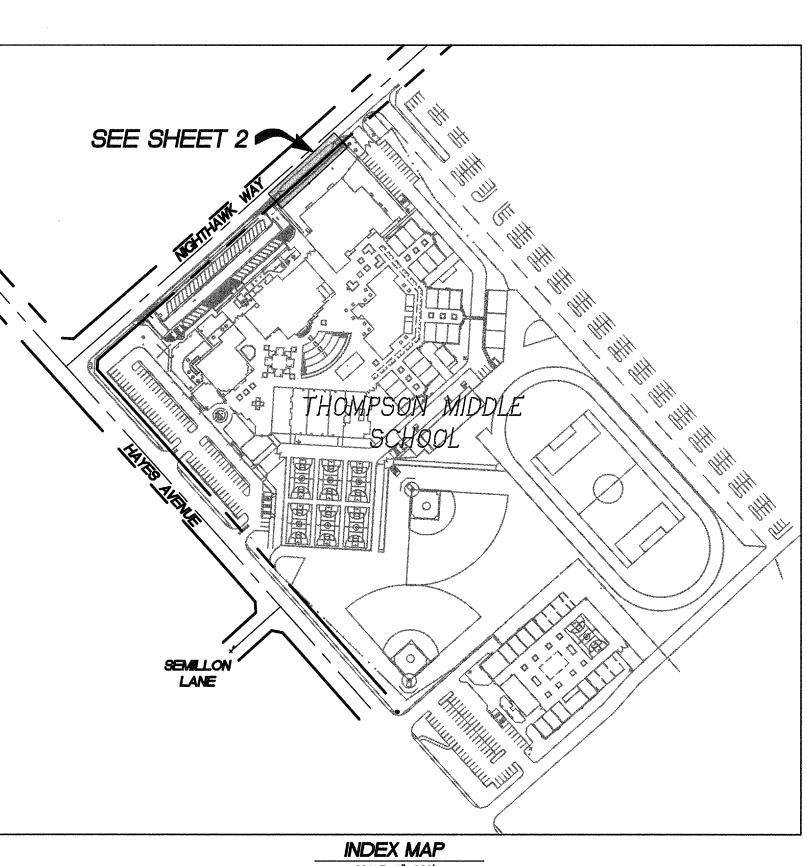
TOP OF PAVEMENT TOP OF WALL

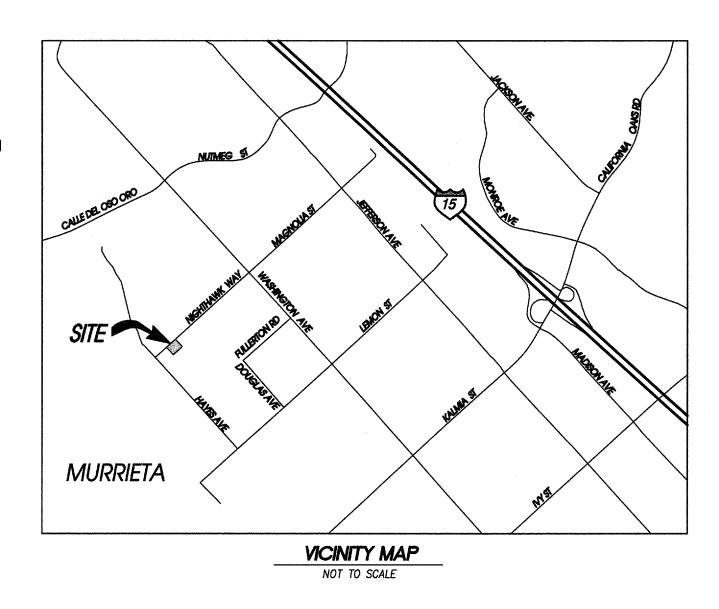
AC	ASPHALT TO CONCRETE	<u>a_©</u> ©	BACK FLOW DEVICE
ADA BFD	AMERICAN DISABILITIES ACT BACK FLOW DEVICE	+0+	FIRE HYDRANT
CLF	CHAIN LINK FENCE		
co	CLEAN OUT	\odot	MANHOLE AS NOTED
CONC DCDA	CONCRETE DOUBLE CHECK DETECTOR ASSEMBLY		POWER POLE
ELEC	ELECTRIC		SIGN
EOC	EDGE OF CONCRETE	<i>γ</i>	TO CE
EP	EDGE OF PAVEMENT	₹}	TREE
FF	FINISHED FLOOR	1	CONTROL BOINT
FG	FINISHED GROUND	- 9-	CONTROL POINT
FH	FIRE HYDRANT	114	EGDE OF PAVEMENT
FL	FLOWLINE	***************************************	
FDC	FIRE DEPARTMENT CONNECTION	· •	GRADED SWALE
FS	FINISHED SURFACE		EDGE OF CONCRETE
HP	HIGH POINT	Е	EXISTING ELECTRICAL
Έ	INVERT (SEWER)		EVICTING CTORM DRAW
INV	INVERT (SD)	SD	EXISTING STORM DRAIN
PIV	POST INDICATOR VALVE		EXISTING WATER
РP	POWER POLE		



PROPOSED PCC SURFACE

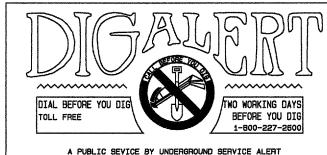
PROPOSED AC PAVEMENT

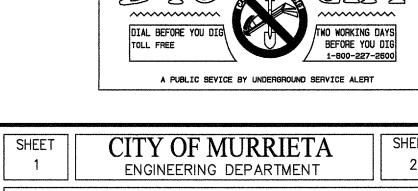




CONSTRUCTION NOTES AND QUANTITY ESTIMATES

OCIO I I I COLLO AI A COMITTI I COLINIA	
1 CONSTRUCT 12" PCC CONCRETE & 6" C.A.B. PER CITY OF MURRIETA STD NO. 217 (WITH MODIFIED TRANSITIONS)	1710 S
2) CONSTRUCT 4" PCC SIDEWALK PER CITY OF MURRIETA STD. NO. 320 (MODIFIED WIDTH PER PLAN)	1722 S
3 SAWCUT, REMOVE & DISPOSE OF EXISTING CURB & GUTTER AND SIDEWALK	160 L.F
4) CONSTRUCT 4" AC OVER 12" CAB	200 S.
5) COLD PLANE GRIND 0.12' & AC OVERLAY 0.12	500 S.
6 CONSTRUCT 0" TO 6" CURB TRANSITION PER CITY OF MURRIETA STD. NO	26 L.F.
O CONSTRUCT 6" CURB PER CITY OF MURRIETA STD. NO. 305 (MODIFY TO 6" C.F., CASE A)	140 L.F
8) CONTRUCT TRUNCATED DOMES & GROOVING DETAIL PER CITY OF MURRIETA STD. NO. 321A	1 E.A.
9 PROTECT IN PLACE	5 E.A.
10 ADJUST TO GRADE	2 E.A.
1) JOIN & MATCH FLUSH	N/A





		L ENG	SINEERING DEPARTMENT	
		STREE	PSON MIDDLE SCH FIMPROVEMENTS WK WAY - BUS DRO TITLE SHEET	FOR
		APPROVED ROBERT K. MOEHLING CITY ENGINEER	RCE 63056	DATE
ATE	INITIAL	DWN BY:STM CHKD BY:RAR	PROJECT NO. 09.111	DRAWING NO.

REVISIONS DRAWN: CAC CHECKED: RAR DATE: 5/19/16 SCALE: AS NOTED PROJECT NUMBER: 09.111

CONSULTANT

EPIC ENGINEER

101 E. REDLANDS BOULEVARD
SUITE 146

REDLANDS, CA 92373

STREET **IMPROVEMENT PLAN**

NO DATE BY DESCRIPTION

ARCHITECTS

SOUTHERN CALIFORNIA

8163 ROCHESTER AVENUE, SUITE 100

RANCHO CUCAMONGA CALIFORNIA 91730-0729

TEL: 909-987-0909

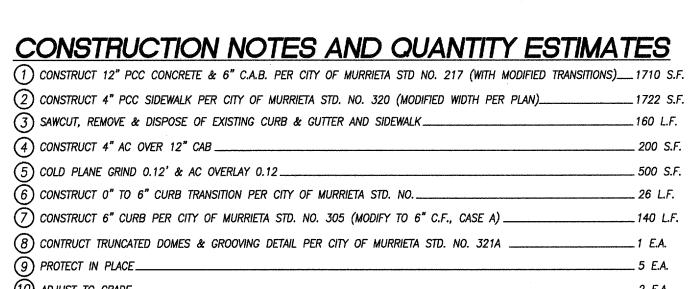
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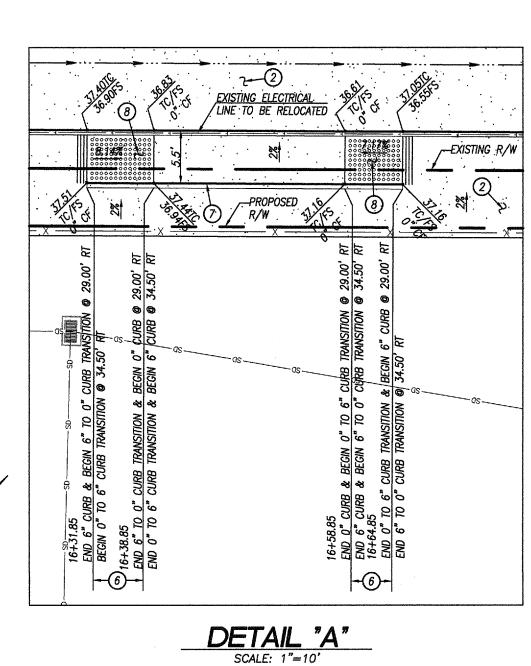
BENCH MARK: RIVERSIDE COUNTY DESIGNATION T-57-81 STAMPED ON 3" ALUMINUM DISK IN CONCRETE CYLINDER. FROM THE INT. OF IVY STREET AND WASHINGTON STREET 1.5 MILES NW ON WASHINGTON STREET TO THE INT. OF WASHINGTON AND MAGNOLIA. AT THE N COR OF THE INT. 36' NE OF WASHINGTON STREET 45' NW OF MAGNOLIA STREET, 2.5' NE OF P.P. #CT45825, 5' W OF WEST EDGE BRICK AND WOOD 6'X12' SIGN FOR "DELANEY'S STOCK FARM", 3' W OF OLD 12' STEEL LIGHT POLE, 5'S OF 3 RAIL 5' HIGH WOOD FENCE. SET FIBERGLASS WITNESS POST

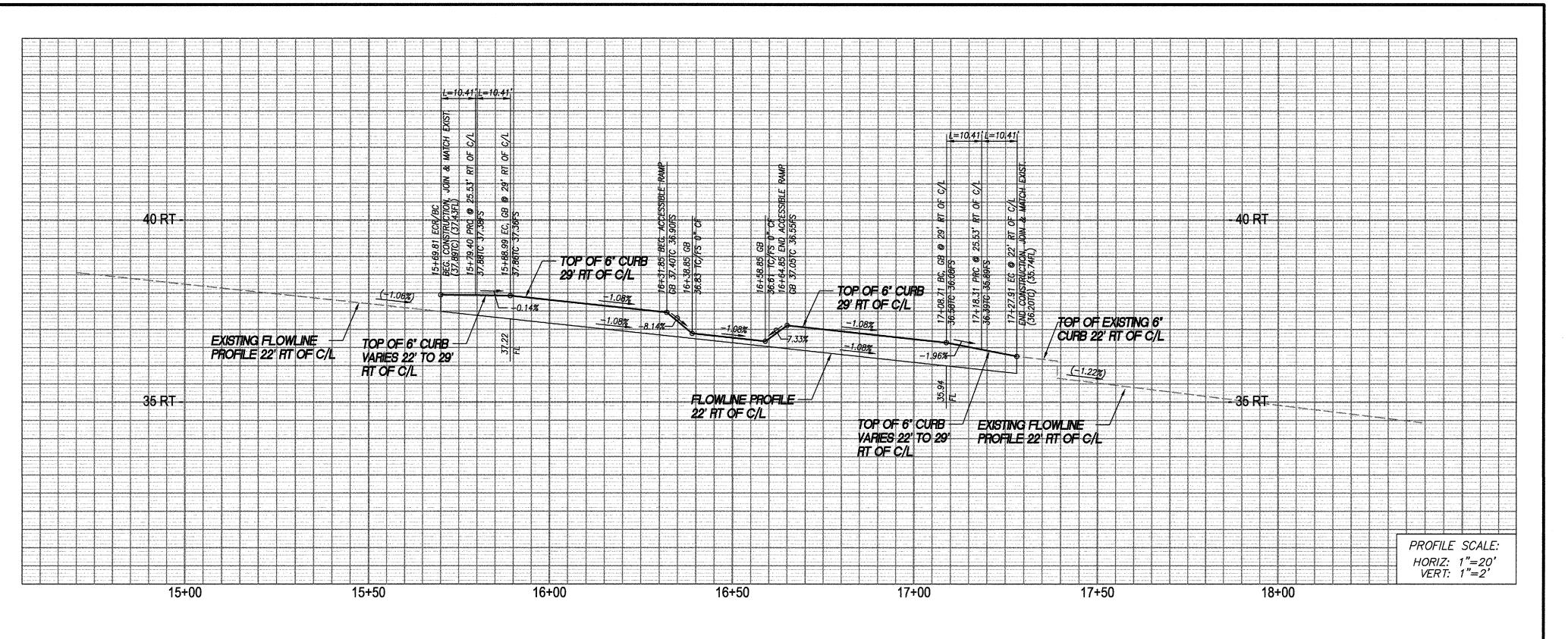
	DIAL BEFORE YOU DIG TWO WORKING BEFORE YOU 1-B00-227 A PUBLIC SEVICE BY UNDERGROUND SERVICE ALER	DAYS DU DIG 7-2600
SHEET 1	CITY OF MURRIETA ENGINEERING DEPARTMENT	Sł

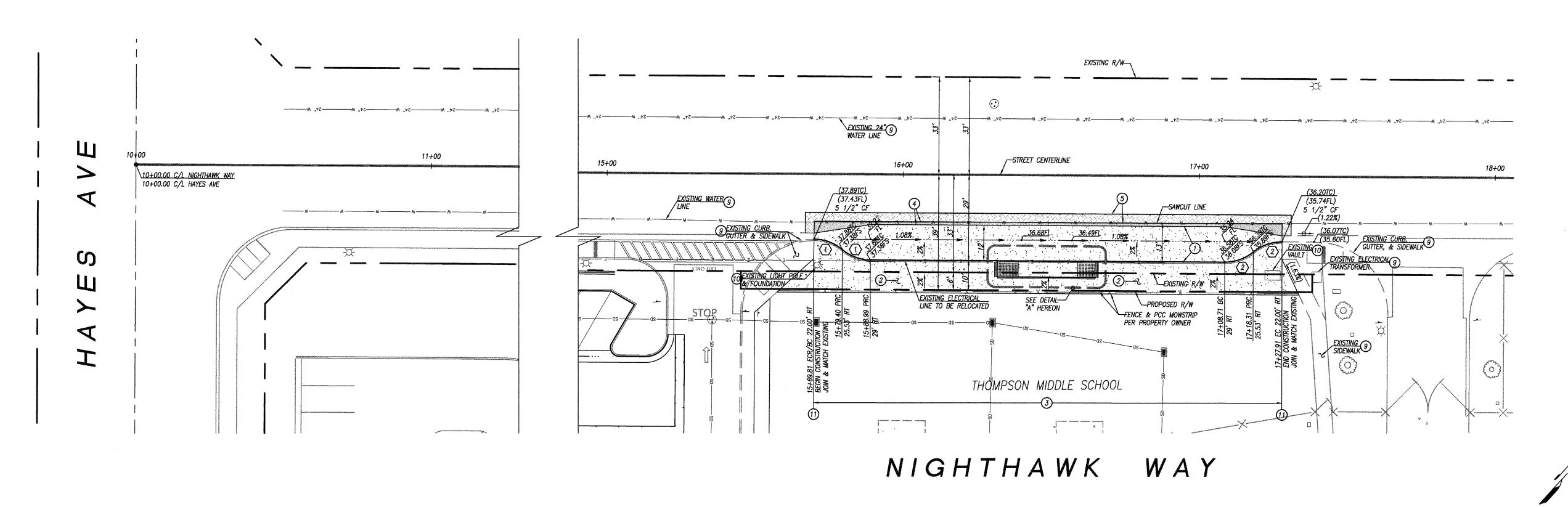
	EPIC ENG	INEERS LAND SURVEYING							SHEET CITY OF MURRIETA 1 ENGINEERING DEPARTMENT	1
	PLANNING 101 E. REDLANDS BOULEVARD SUITE 146 REDLANDS, CA 92373	TELE 909 - 792 - 5969 FAX 909 - 792 - 8869							THOMPSON MIDDLE SCH STREET IMPROVEMENTS	FC
		05/19/2016							NIGHTHAWK WAY - BUS DR TITLE SHEET	OP ===
PR	REPARED BY	DATE							APPROVED ROBERT K. MOEHLING CITY ENGINEER RCE 63056	_ DA
	ROY D. MOLAUG,	DATE 06-30-2017	DATE ENGINEER	INITIAL OF WORK	REVISION DESCRIPTION	SHT. NO.	DATE CITY AF	INITIAL	DWN BY: STM PROJECT NO. CHKD BY: RAR FIELD BK: XXX 09.111	

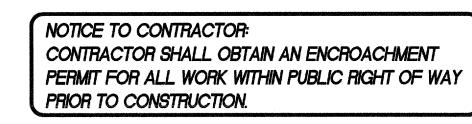


CURVE DATA TABLE							
CURVE #	LENGTH	RADIUS	TANGENT	CHORD DIRECTION			
1	10.41	15.00'	5.42'	39"45'17"			
1	10.41	15.00'	5.42'	39°45'17"			
2	10.41	15.00'	5.43'	39'46'45"			
2	10.41	15.00'	5.43'	39'46'45"			

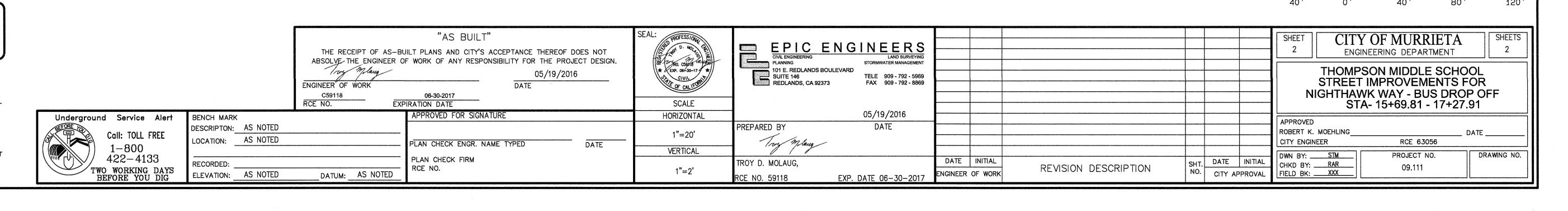








BENCH MARK: RIVERSIDE COUNTY DESIGNATION T-57-81 STAMPED ON 3" ALUMINUM DISK IN CONCRETE CYLINDER. FROM THE INT. OF IVY STREET AND WASHINGTON STREET 1.5 MILES NW ON WASHINGTON STREET TO THE INT. OF WASHINGTON AND MAGNOLIA. AT THE N COR OF THE INT. 36' NE OF WASHINGTON STREET 45' NW OF MAGNOLIA STREET, 2.5' NE OF P.P. #CT45825, 5' W OF WEST EDGE BRICK AND WOOD 6'X12' SIGN FOR "DELANEY'S STOCK FARM", 3' W OF OLD 12' STEEL LIGHT POLE, 5'S OF 3 RAIL 5' HIGH WOOD FENCE. SET FIBERGLASS WITNESS POST 1' NORTH OF MONUMENT.



ARCHITECTS

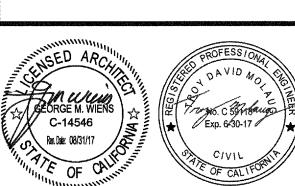
SOUTHERN CALIFORNIA 8163 ROCHESTER AVENUE, SUITE 100 RANCHO CUCAMONGA

TEL: 909-987-0909

CALIFORNIA 91730-0729

www.wlcarchitects.com

MIDDLE



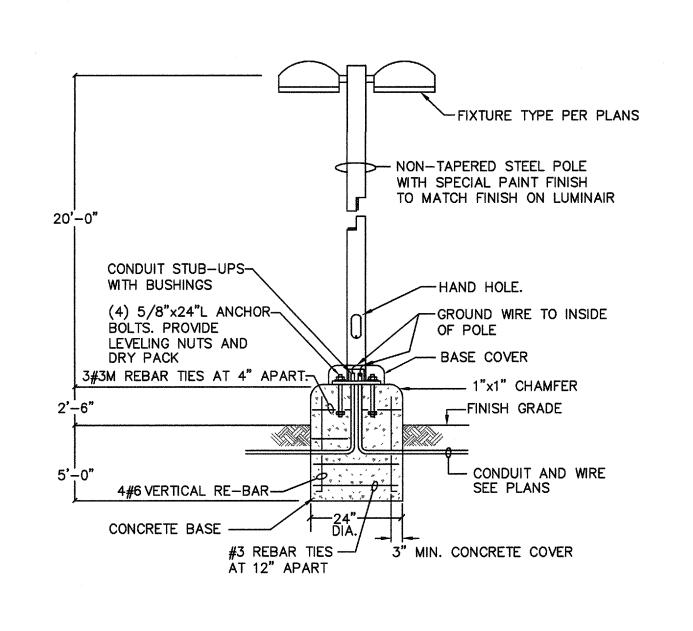
CONSULTANT 101 E. REDLANDS BOULEVARD SUITE 146 REDLANDS, CA 92373

NO DATE BY DESCRIPTION **REVISIONS**

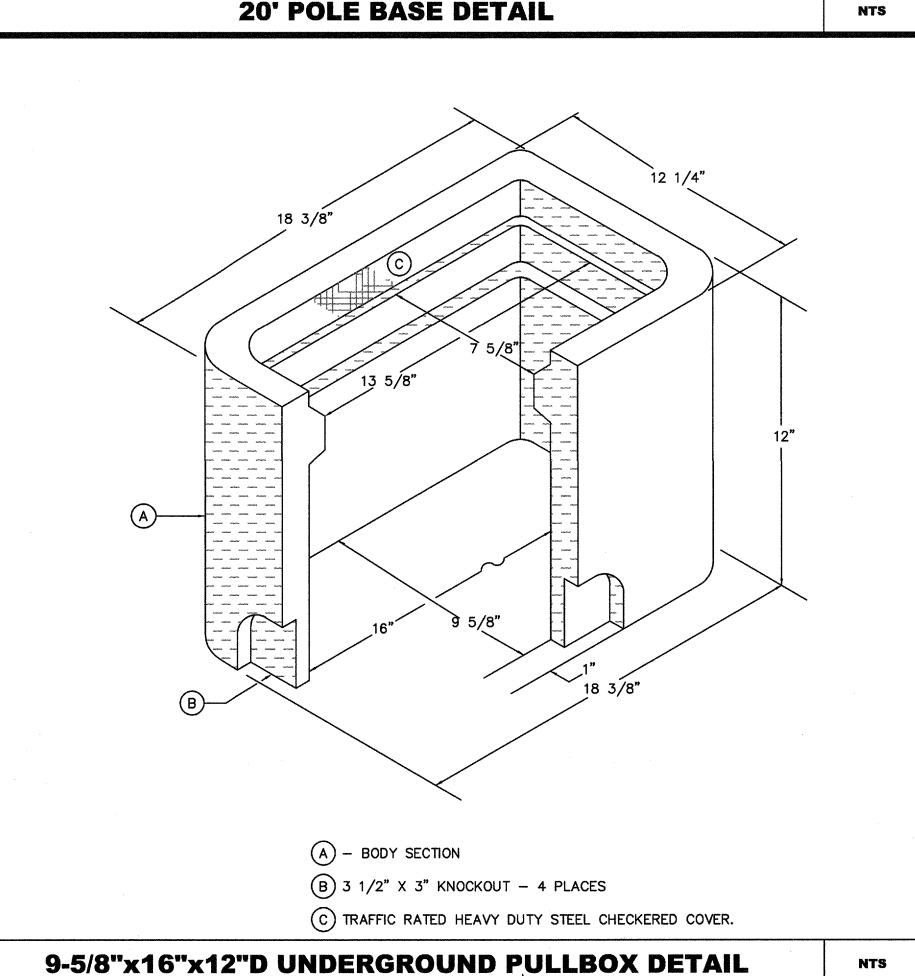
DRAWN: CAC CHECKED: RAR DATE: 5/19/16 SCALE: AS NOTED PROJECT NUMBER: 09.111

> STREET **IMPROVEMENT** PLAN

DRAWING NUMBER:



UNDERGROUND CONDUT PLACEMENT DETAIL



PART 1 - GENERAL

- 1.01 SCOPE OF WORK A. WORK COVERED BY THIS SECTION CONSISTS OF FURNISHING ALL LABOR, EQUIPMENT, SUPPLIES, AND MATERIALS, UNLESS OTHERWISE SPECIFIED, AND IN PERFORMING ALL OPERATIONS NECESSARY FOR HE INSTALLATION OF A COMPLETE AND OPERABLE ELECTRICAL SYSTEM AS REQUIRED BY THESE SPECIFICATIONS AND AS INDICATED ON THE DRAWINGS.
- THE CONTRACTOR SHALL EXAMINE ALL DRAWINGS AND SPECIFICATIONS IN A MANNER TO BE FULLY COGNIZANT OF ALL WORK REQUIRED UNDER THIS SECTION.
- THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS UNLESS OTHERWISE ARRANGED AND SCHEDULE ALL REQUIRED INSPECTIONS FOR THE EXECUTION OF THE WORK UNDER

1.02 GENERAL REQUIREMENTS

A. WORK DONE UNDER THIS SECTION SHALL COMPLY WITH THE LATEST EDITION OF THE CALIFORNIA ELECTRICAL CODE, CEC (NATIONAL ELECTRICAL CODE NEC), THE STATE OF CALIFORNIA TITLE 24, THE STATE BUILDING STANDARDS, (OSHA) OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, AND TO ANY APPLICABLE LOCAL JURISDICTIONAL REQUIREMENTS. IN CASE OF CONFLICT BETWEEN REQUIREMENTS, THE MOST RESTRICTIVE SHALL APPLY.

1.03 ELECTRICAL CONTRACTOR'S RESPONSIBILITY

- A. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COMPLETE SET OF DRAWINGS AND SPECIFICATIONS. CONTRACTOR SHALL CHECK THE DRAWINGS OF THE OTHER TRADES AND SHALL CAREFULLY READ THE ENTIRE SPECIFICATIONS AND DETERMINE HIS RESPONSIBILITIES.
- B. BEFORE SUBMITTING THE BID, THE ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND FULLY ACQUAINT HIMSELF WITH EXISTING CONDITIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL THE EQUIPMENT AND ASSOCIATED WIRING IN SUCH A MANNER AS TO CONFORM TO THE EXISTING STRUCTURE OF THE BUILDING, AVOID OBSTRUCTIONS, AND MEET APPLICABLE CODE REQUIREMENTS.
- THE INTENT OF THESE DRAWINGS IS TO DESCRIBE A COMPLETE AND OPERABLE SYSTEM. WHERE EXISTING CONDITIONS DIFFER FROM DRAWINGS, ADJUSTMENT SHALL BE MADE AND ALLOWANCES INCLUDED FOR ALL NECESSARY EQUIPMENT TO COMPLETE ALL PARTS OF THE DRAWINGS AND SPECIFICATIONS. BRING ANY QUESTIONS TO THE ARCHITECT OR ENGINEER'S ATTENTION PRIOR TO
- WHEREVER A DISCREPANCY IN QUANTITY OR SIZE OF CONDUIT, WIRE, EQUIPMENT, DEVICES, CIRCUIT BREAKERS, ETC., ARISES ON THE DRAWING AND/OR SPECIFICATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL MATERIAL AND SERVICES REQUIRED BY THE STRICTEST CONDITION NOTED ON DRAWINGS AND/OR IN SPECIFICATIONS TO ENSURE COMPLETE AND OPERABLE SYSTEMS AS REQUIRED BY THE OWNER AND ENGINEER.

1.04 WORK NOT INCLUDED A. CERTAIN LABOR, MATERIALS, OR EQUIPMENT MAY BE FURNISHED

1.06 SUBMITTALS

NTS

- UNDER OTHER CONTRACTS BY THE OWNER. WHEN SUCH IS THE CASE. THE EXTENT, SOURCE, AND DESCRIPTION OF THESE ITEMS WILL BE INDICATED ON THE DRAWINGS OR DESCRIBED IN THE SPECIFICATIONS. UNLESS OTHERWISE NOTED. ALL LABOR. MATERIALS AND EQUIPMENT FOR THE COMPLETE INSTALLATION OF THE ELECTRICAL WORK SHALL BE PROVIDED UNDER THIS SECTION OF THESE SPECIFICATIONS.
- 1.05 SPECIAL REQUIREMENTS A. THE DRAWINGS INDICATE GENERAL ARRANGEMENT OF CIRCUITS. OUTLETS, LOCATIONS OF MOTOR CONTROLLERS WITH DISCONNECTS PANELBOARDS, CONDUIT ROUTING, AND OTHER WORK, INFORMATION SHOWN ON THE DRAWINGS IS ESSENTIALLY DIAGRAMMATIC: HOWEVER, RECIRCUITING OR RELOCATING ELECTRICAL EQUIPMENT WILL NOT BE PERMITTED WITHOUT SPECIFIC WRITTEN APPROVAL OF THE ENGINEER.
- A. AFTER AWARD OF THE CONTRACT AND BEFORE ANY MATERIALS ARE DELIVERED TO THE JOB SITE, A COMPLETE LIST OF ALL MATERIALS PROPOSED TO BE FURNISHED AND INSTALLED UNDER THIS SECTION MUST BE PROVIDED.
- B. SUBMIT TO THE ENGINEER FOR APPROVAL ONE PRINT AND ONE REPRODUCIBLE OF ALL LIGHTING FIXTURES, PANEL BOARDS, MOTOR CONTROL CENTERS, TRANSFORMERS, AND MOTOR STARTERS. SHOP DRAWINGS SHALL INCLUDE MANUFACTURER'S PRINTED INFORMATION FOR EACH OF THESE ITEMS IDENTIFIED ON THE DRAWINGS. THE INFORMATION SHALL INCLUDE. AS MINIMUM. OVERALL DIMENSIONS. WEIGHT, PHASE, VOLTAGE RATINGS, WIRING DIAGRAMS, AND NAMEPLATE DATA AS APPLICABLE.
- 1.07 STANDARDS AND MATERIALS A. ALL MATERIALS SHALL CONFORM TO THE CURRENT APPLICABLE INDUSTRY STANDARDS, NEMA (NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION), ANSI (AMERICAN NATIONAL STANDARDS INSTITUTE). IPCEA (INSULATED POWER CABLE ENGINEERS ASSOCIATION), IEEE (INSTITUTE OF ELECTRICAL AND ELECTRONIC
- B. UNLESS OTHERWISE INDICATED, ALL MATERIALS SHALL BE UNDERWRITERS LABORATORIES LISTED AND LABELED, OR CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

ENGINEERS), NATIONAL ELECTRICAL SAFETY CODE.

WORKMANSHIP AND NEAT APPEARANCE SHALL BE AS IMPORTANT AS THE ELECTRICAL MECHANICAL EFFICIENCY. DEFECTIVE AND DAMAGED MATERIALS SHALL BE REPLACED OR REPAIRED PRIOR TO FINAL APPROVAL AND ACCEPTANCE. THE DRAWINGS AND SPECIFICATIONS TAKE PRECEDENCE WHEN THEY ARE MORE STRINGENT THAN CODES, STATUTES, OR ORDINANCES IN EFFECT APPLICABLE CODES, STANDARDS, ORDINANCES, AND STATUTES TAKE PRECEDENCE WHEN THEY ARE MORE STRINGENT OR CONFLICT WITH THE DRAWINGS OR SPECIFICATIONS.

1.08 DELIVERY AND STORAGE OF MATERIALS THE CONTRACTOR SHALL INVESTIGATE EACH SPACE IN THE BUILDING THROUGH WHICH EQUIPMENT MUST PASS TO REACH ITS FINAL LOCATIONS. IF NECESSARY, THE MANUFACTURER SHALL BE REQUIRED TO SHIP HIS MATERIAL IN SECTIONS, SIZED TO PERMIT PASSING THROUGH SUCH RESTRICTED AREAS IN THE BUILDING.

THE CONTRACTOR SHALL RETAIN IN HIS POSSESSION AND SHALL BE RESPONSIBLE FOR ALL PORTABLE AND DETACHABLE PARTS OF PORTIONS OF INSTALLATIONS SUCH AS FUSES, KEY LOCKS, ADAPTORS, BLOCKING CLIPS, AND INSERTS UNTIL FINAL COMPLETION OF WORK. THESE PARTS SHALL BE DELIVERED TO THE OWNER UPON COMPLETION OF THE WORK.

PART 2 - PRODUCTS 2.01 EQUIPMENT AND MATERIALS

- A. ALL MATERIALS FURNISHED AND INSTALLED UNDER THIS CONTRACT SHALL BE NEW, FREE FROM DEFECTS, AND SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE OF THE WORK. SHOULD ANY TROUBLE DEVELOP DURING THEIR PERIOD DUE TO DEFECTIVE MATERIALS OR FAULTY WORKMANSHIP. THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIALS AND LABOR TO CORRECT THE TROUBLE WITHOUT ANY COST TO THE OWNER. ANY DEFECTIVE MATERIAL OR INFERIOR WORKMANSHIP NOTED AT THE TIME OF INSTALLATION SHALL BE CORRECTED IMMEDIATELY TO THE SATISFACTION OF THE OWNER.
- B. ALL MAJOR EQUIPMENT COMPONENTS SHALL HAVE THE MANUFACTURER'S NAME, ADDRESS, MODEL NUMBER, AND SERIAL NUMBER PERMANENTLY ATTACHED IN A CONSPICUOUS MANNER. 2.02 CONDUIT
- A. PROVIDE RACEWAYS AS INDICATED ON THE DRAWINGS AND AS HEREIN SPECIFIED. CONDUITS SHALL BE RIGID STEEL "GRC" (THICK WALL) GALVANIZED; ELECTRICAL METALLIC TUBING "EMT" (THIN WALL); FLEXIBLE STEEL, GALVANIZED; LIQUID-TIGHT, FLEXIBLE STEEL CONDUIT WITH GROUND BOND; ALUMINUM CONDUIT; OR SCHEDULE
- B. ALL CONDUITS (CO) SHALL BE SCHEDULE EMT UNLESS OTHERWISE INDICATED ON THE DRAWING. ALL EMPTY CONDUIT SHALL BE PROVIDED WITH A at" POLYPROPYLENE PULL STRING. WHERE CONDUIT CROSSES AN EXPANSION JOINT, PROVIDE APPROVED
- FITTINGS WHICH ALLOW DEFLECTIONS EQUIVALENT TO TWICE THE MOVEMENT ALLOWED BY THE DESIGN. D. PVC SCHEDULE 40 CONDUITS SHALL BE USED ONLY IN UNDERGROUND APPLICATION, CONDUIT RISERS THOUGHT SLAB SHALL
- 2.03 CONDUCTORS PROVIDE A COMPLETE SYSTEM OF CONDUCTORS IN RACEWAY SYSTEMS AS SHOWN ON THE DRAWINGS AND THEN HEREIN

RACEWAY REGARDLESS OF VOLTAGE APPLICATION.

SPECIFIED. ALL WIRE SHALL BE ROUTED THROUGH AN APPROVED

2.10 PANELBOARDS (EXISTING)

A. UPDATE PANEL DIRECTORY 2.12 EXTERIOR LIGHTING FIXTURES

A. REFER TO DRAWINGS

2.16 ELECTRICAL CONNECTIONS A. UNLESS OTHERWISE NOTED, ALL WIRING FOR MOTORS, STARTERS, CONTROLS. AND EQUIPMENT SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. WHERE MOTORS FOR MECHANICAL EQUIPMENT ARE FURNISHED BY OTHER DIVISIONS, WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR, EXCEPT

WHERE WIRED INTEGRALLY WITH THE EQUIPMENT.

SPECIFICATIONS

2.17 SUPPORTING DEVICES A. REFER TO DRAWINGS

PART 3 - EXECUTION 3.01 WORKMANSHIP AND COMPLETION OF INSTALLATION

- WORKMANSHIP AND NEAT APPEARANCE SHALL BE AS IMPORTANT AS THE ELECTRICAL AND MECHANICAL EFFICIENCY. DEFECTIVE AND DAMAGED MATERIALS SHALL BE REPLACED OR REPAIRED PRIOR TO FINAL INTERPRETATIONS INCLUDED. ANY DEFICIENCY PERTAINING TO EITHER WORKMANSHIP OR MATERIALS FOUND BY THE INSPECTOR SHALL BE CORRECTED WITHOUT ADDITIONAL COST TO THE OWNER.
- B. THE CONTRACTOR SHALL MAINTAIN ON JOB SITE A SET OF THE WORKING DRAWINGS WHICH SHALL BE UPDATED DAILY IN DETAIL FOR WORK ACCOMPLISHED. UPON COMPLETION OF THE WORK, A SET OF REPRODUCIBLE CONTRACT DRAWINGS SHALL BE OBTAINED FROM THE GENERAL CONTRACTOR AND ALL CHANGES AS NOTED ON THE RECORD SET OF PRINTS SHALL BE INCORPORATED THEREON WITH RED INK IN A NEAT, LEGIBLE, UNDERSTANDABLE AND PROFESSIONAL
- ALL EQUIPMENT AND MATERIAL CONNECTED WITH THIS PROJECT SHALL BE INSTALLED COMPLETE, THOROUGHLY CLEANED, AND ALL RESIDUE REMOVED FROM INSIDE SURFACES. EXTERIOR SURFACES OF ALL MATERIAL AND EQUIPMENT SHALL BE CLEANED AND DELIVERED IN A PERFECT, UNBLEMISHED CONDITION.
- D. PERFORM ALL WORK IN A MANNER WHICH WILL NOT CAUSE UNNECESSARY INCONVENIENCE OR DANGER TO THE OCCUPANTS, NOR INTERFERE WITH THE ACTIVITIES IN THE BUILDING. UPON COMPLETION OF THE INSTALLATION AND AS A CONDITION OF
- ITS ACCEPTANCE FURNISH ONE COPY OF THE FINAL INSPECTION CERTIFICATE TO THE OWNER. THE CONTRACTOR SHALL COORDINATE AND SCHEDULE EACH POWER
- INTERRUPTION WITH OWNER, AND SHALL PROVIDE AT LEAST ONE WEEKS NOTICE OF PROPOSED INTERRUPTION AND WORK TO BE ACCOMPLISHED. 3.02 PREPARATION COORDINATION.

A. THE CONTRACTOR SHALL COORDINATE THIS WORK WITH ALL OTHER CONTRACTORS FURNISHING LABOR, MATERIALS AND WORK, SO THAT THE WORK AS WHOLE SHALL BE EXECUTED AND COMPLETED

WITHOUT CONFLICT OR DELAY. 3.03 TRENCHING AND BACK FILLING A. PERFORM ALL SUCH TRENCHING AND BACKFILLING IN ACCORDANCE

WITH DRAWING DETAILS. B. EXAMINE THE DRAWINGS AND SPECIFICATIONS AND DETERMINE THE WORK TO BE PERFORMED BY THE ELECTRICAL, MECHANICAL, PLUMBING AND OTHER TRADES. PROVIDE THE TYPE AND AMOUNT OF ELECTRICAL MATERIALS AND EQUIPMENT NECESSARY TO PLACE THIS WORK IN PROPER OPERATION, COMPLETELY WIRED TESTED AND READY FOR USE. THIS SHALL INCLUDE ALL CONDUIT, WIRE, DISCONNECTS, RELAYS, AND OTHER DEVICES FOR THE REQUIRED OPERATION SEQUENCE OF ALL ELECTRICAL, MECHANICAL, AND

OTHER SYSTEMS OR EQUIPMENT. 3.04 CORE CUTTING, DRILLING, AND PATCHING

A. NO HOLES WILL BE ALLOWED IN ANY STRUCTURAL MEMBERS WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT OR STRUCTURAL ENGINEER AND GENERAL CONTRACTOR.

3.05 INSTALLATION

- A. WORKMANSHIP IS TO BE NEAT, BY EXPERIENCED WORKMEN WITH ADEQUATE SUPERVISION, AND IN LINE WITH NORMAL INDUSTRY WORK
- B. MAINTAIN WORKING CLEARANCE AROUND ELECTRICAL EQUIPMENT, IN ACCORDANCE WITH CODE REQUIREMENTS AS A MINIMUM. WHERE LIGHTING FIXTURES AND OTHER ELECTRICAL ITEMS ARE
- SHOWN IN CONFLICT WITH LOCATIONS OF STRUCTURAL MEMBERS AND MECHANICAL OR OTHER EQUIPMENT, FURNISH AND INSTALL ALL REQUIRED SUPPORTS AND WIRING TO CLEAR THE ENCROACHMENT. VERIFY LOCATION OF EACH OUTLET FOR POWER, SIGNAL
- TELEPHONE / DATA. AND EACH LIGHTING FIXTURE WITH ARCHITECT PRIOR TO ROUGH-IN. INCLUDE IN BID COST OF RELOCATING EACH ITEM WITHIN TEN-FEET RADIUS OF ITS INDICATED LOCATION. ALL CONDUIT TO BE RUN CONCEALED UNLESS OTHERWISE NOTED. ALL CONDUITS SHALL BE ROUTED OVERHEAD IN CEILING SPACES. NO
- CONDUITS SHALL BE PERMITTED IN CONCRETE SLAB, MASONRY WALLS UNLESS SPECIFICALLY SO INDICATED. CONDUIT SHALL BE RUN SO AS NOT TO INTERFERE WITH OTHER PIPING FIXTURES OR
- WHERE ALLOWED, EXPOSED CONDUIT RUNS SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO WALLS, STRUCTURAL MEMBERS, OR INTERSECTION OF VERTICAL PLANES AND CEILINGS.
- G. ALL ELECTRICAL CONDUITS AND OTHER ELECTRICAL RACEWAYS PASSING THROUGH FIRE RATED CEILINGS, SLABS, WALLS AND PARTITIONS SHALL BE SEALED TO PREVENT THE SPREAD OF FIRE, SMOKE, AND GASSES. USE A UL LISTED AND APPROVED FIRE-STOP MATERIAL EQUAL TO RATING OF A WALL OR A FLOOR SLAB PENETRATED; INSTALLATION OF FIRE-STOP MATERIAL SHALL BE IN
- ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS. UNLESS WRITTEN PERMISSION IS GRANTED BY THE ARCHITECT, NO MATERIAL SHALL BE MOUNTED ON THE EXTERIOR WALLS OR PARAPET TOP OF THE BUILDING.
- ALL ROTATING ELECTRICAL EQUIPMENT SHALL BE SUPPLIED WITH A FLEXIBLE, LIQUID-TIGHT CONDUIT WITH APPROPRIATE SLACK AND SHALL NOT EXCEED THIRTY-SIX (36) INCHES.
- J. ALL POWER WIRING SHALL BE INSTALLED IN CONDUIT. TELEPHONE WIRES SHALL BE PLENUM RATED CABLE FOR MOUNTING
- IN CEILING SPACES WITHOUT CONDUIT UNLESS OTHERWISE NOTED. ALL WIRES FOR ALL SYSTEMS SHALL BE CONTINUOUS FROM SWITCH O TERMINAL OR FURTHEST OUTLET. NO JOINTS SHALL BE MADE EXCEPT IN PULL, JUNCTION OR OUTLET BOXES, OR IN PANEL OR SWITCHBOARD GUTTERS.

3.06 GROUNDING

- A. ALL EQUIPMENT SHALL BE PROPERLY GROUNDED AS INDICATED ON DRAWINGS AND AS REQUIRED BY THE LATEST EDITION OF
- B. FURNISH AND INSTALL ALL GROUNDING CONDUCTORS, CONDUIT AND
- CLAMPS. THE SIZE OF THE GROUNDING CONDUCTORS SHALL BE NOT LESS THAN THAT SPECIFIED IN THE CEC AND NEC.
- C. BUILDING GROUNDING SYSTEM RESISTANCE TO GROUND SHALL NOT
- EXCEED 25 OHMS. D. EACH BRANCH CIRCUIT SHALL BE EQUIPPED WITH CODE SIZE GREEN GROUND, EQUIPMENT WIRE (PER NEC 250-95) (NOT INDICATED ON

DRAWINGS) WITHIN THE SAME CONDUIT FOR ALL CIRCUITS OF

3.07 BRANCH CIRCUITS

- A. NO MORE THAN THREE BRANCH CIRCUITS PERMITTED IN ONE CONDUIT UNLESS INDICATED OTHERWISE.
- 3.08 IDENTIFICATION A. NOT APPLICABLE

3.09 PROTECTION

- A. USE ALL MEANS NECESSARY TO PROTECT THE WORK AND MATERIALS FROM LOSS DURING AND AFTER INSTALLATION, AND PROVIDE ADEQUATE AND PROPER STORAGE FACILITIES DURING THE PROGRESS OF THE WORK, PROVIDE FOR THE SAFETY AND GOOD CONDITION OF ALL WORK UNTIL FINAL ACCEPTANCE OF THE WORK BY THE OWNER. REPLACE ALL DAMAGE OR DEFECTIVE WORK, MATERIAL, AND EQUIPMENT AT NO EXPENSE TO THE OWNER BEFORE REQUESTING FINAL ACCEPTANCE.
- 3.10 CLEANING OF EQUIPMENT, MATERIAL, AND PREMISES
- A. SITE SHALL BE LEFT BROOM CLEAN AFTER COMPLETION OF WORK EACH DAY. UPON COMPLETION OF THE WORK, LEAVE THE PREMISES CLEAN OF ALL DIRT AND DEBRIS. B. ALL EQUIPMENT AND MATERIAL CONNECTED WITH THIS PROJECT
- SHALL BE INSTALLED COMPLETE, THOROUGHLY CLEANED, AND ALL RESIDUE REMOVED FROM INSIDE SURFACES. EXTERIOR SURFACES OF ALL MATERIAL AND EQUIPMENT SHALL BE CLEANED AND DELIVERED IN A PERFECT, UNBLEMISHED CONDITION.
- 3.11 HANDLING OF WIRE AND CABLE
- A. HANDLE WIRE AND CABLE SO AS TO AVOID DAMAGE TO CONDUCTORS AND TAKE EVERY PRECAUTION TO AVOID SHARP BENDING OR SCORING OF THE CABLE. CABLE SHALL NOT BE LAID NOR DRAGGED UPON THE GROUND. B. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE AND REPLACE
- AT HIS OWN EXPENSE ALL WIRE AND CABLE DAMAGED DUE TO IMPROPER HANDLING, AND SHALL PAY FOR THE NEW WIRE OR

3.12 TESTING AND INSPECTIONS

- A. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND ARRANGE ALL REQUIRED INSPECTIONS FOR THE EXECUTION OF THE WORK UNDER THIS CONTRACT. B. THE CONTRACTOR SHALL REPLACE ALL DAMAGED OR DEFECTIVE
- EQUIPMENT OR WORK. C. ALL CIRCUITS SHALL BE TESTED FOR CONTINUITY AND CIRCUIT INTEGRITY BY THE CONTRACTOR. ADJUSTMENTS SHALL BE MADE FOR
- CIRCUITS NOT COMPLYING WITH TESTING CRITERIA. D. THE CONTRACTOR SHALL FURNISH ALL INSTRUMENTS AND PERFORM ANY ADDITIONAL TESTS REQUIRED BY THE AUTHORITY HAVING JURISDICTION. HE SHALL ALSO CORRECT ALL FAILURES AND
- REPLACE ANY DAMAGED PORTIONS OF THE WORK RESULTING FROM THOSE TESTS. THE COST OF THE FOREGOING ITEMS SHALL BE PAID BY THE CONTRACTOR. THE CONTRACTOR SHALL FURNISH THE OWNER CERTIFICATES OF
- INSPECTION AND APPROVAL BY THE ELECTRICAL INSPECTION AUTHORITY ON ALL WORK COMPETED AS REQUIRED.

3.13 TELEPHONE AND DATA A. NOT PPLICABLE

PART 4 - DEMOLITION

4.01 EXAMINATION

- A. VERIFY FIELD MEASUREMENTS AND CIRCUITING ARRANGEMENTS ARE AS SHOWN ON DRAWING FOR ELECTRICAL SYSTEMS TO BE REROUTED BEFORE DEMOLITION.
- B. VERIFY THAT ABANDONED WIRING AND EQUIPMENT SERVES ONLY ABANDONED FACILITIES.
- C. DEMOLITION DRAWINGS ARE BASED ON CASUAL OBSERVATION AND EXISTING SITE CONDITION. REPORT DISCREPANCIES TO ENGINEER BEFORE DISTURBING EXISTING INSTALLATION.
- D. BEGINNING OF DEMOLITION MEANS THAT THE INSTALLER ACCEPTS EXISTING CONDITIONS.
- 4.02 PREPARATION A. DISCONNECT ELECTRICAL SYSTEMS FOR AREAS SCHEDULED TO BE
- B. DE-ENERGIZE EXISTING ELECTRICAL SERVICE ONLY TO MAKE SWITCH OVER AND CONNECTIONS, OBTAIN PERMISSION AT LEAST 48 HOURS BEFORE PARTIALLY OR COMPLETELY DISABLING SYSTEM. MINIMIZE
- C. DISABLE FIRE ALARM SYSTEM ONLY TO MAKE SWITCH OVER AND CONNECTIONS. NOTIFY OWNER AT LEAST 48 HOURS BEFORE PARTIALLY OR COMPLETELY DISABLING SYSTEM. MINIMIZE OUTAGE DURATION. CONTRACTOR TO COORDINATE THE INSTALLATION OF THE NEW OWNER FURNISHED FIRE ALARM SYSTEM WITH THE OWNER ON SITE REPRESENTATIVE.
- 4.03 DEMOLITION AND EXTENSION OF EXISTING ELECTRICAL WORK
- A. REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE DEMOLITION OF BUILDING SYSTEMS AND MAINTAIN SYSTEMS SUPPORTING FOR THE RETAINED FACILITIES.
- B. REMOVE ABANDONED WIRING TO SOURCE OF SUPPLY. C. REMOVE EXPOSED ABANDONED CONDUIT. CUT CONDUIT FLUSH WITH FLOORS, AND PATCH SURFACE.
- D. DISCONNECT AND REMOVE ABANDONED PANELBOARDS AND
- DISTRIBUTION EQUIPMENT. E. REMOVE ALL ELECTRICAL DEVICES AND EQUIPMENT SERVING UTILITY EQUIPMENT THAT HAS BEEN REMOVED.

F. REMOVE ABANDONED LUMINARIES. REMOVE BRACKETS, STEMS,

- HANGERS, AND OTHER ACCESSORIES 4.04 DISPOSAL AND CLEANUP
- A. REMOVE ABANDONED RECEPTACLES, SWITCHES, BACKBOARDS, PULL BOXES, FIRE ALARM SYSTEM DEVICES, HALON SYSTEM AND ANNUNCIATOR PANELS ETC. BACK TO THE SOURCE.
- B. EXTEND EXISTING INSTALLATIONS USING MATERIALS AND METHODS AS SPECIFIED .
- A. REMOVE FROM THE SITE AND LEGALLY DISPOSE OF DEMOLISHED MATERIALS AND EQUIPMENT NOT INDICATED TO BE SALVAGED. B. PERFORM CUTTING AND PATCHING REQUIRED FOR DEMOLITION BY CUTTING OFF CONDUIT TO BE REMOVED, PLUG AND SEAL THE REMAINING PROTION OF CONDUIT.

DRAWING LIST

DESCRIPTION SPECIFICATION, LEGEND AND DRAWING LIST

PHOTOMETRICS

—EX —

EO.2 TITLE 24 DOCUMENTATION E1.0a DEMOLITION AND REMODEL SITE PLAN E1.0b DEMOLITION AND REMODEL SITE PLAN (SOLAR OPTION)

LEGEND

CONDUIT RUN, CONCEALED IN CEILING, WALLS OR UNDER FLOORS. CONDUIT RUN UNDERGROUND.

CONDUIT HOMERUN TO PANELBOARD. LETTER AND NUMERALS INDICATE ELECTRICAL PANEL AND CIRCUIT NUMBER. SURFACE MOUNTED BRANCH CIRCUIT PANELBOARD.

PANEL DESIGNATION. EXISTING EQUIPMENT WITH "E" ADJACENT IS TO REMAIN.

EXISTING EQUIPMENT WITH "R" ADJACENT IS TO BE COMPLETELY DISCONNECTED AND REMOVED.

REMAIN UNLESS NOTED OTHERWISE ON DRAWINGS. EXISTING CONDUIT RUN TO BE ABANDONED. REMOVE CONDUCTORS —EA— AND CAP ENDS OF CONDUIT.

WIRING REQUIREMENTS. EXISTING CONDUIT AND WIRE RUN TO BE COMPLETELY DISCONNECTED AND REMOVED BACK TO LAST REMAINING OUTLET OR DEVICE.

> CONDUIT RUN. CONDUIT TO BE REMOVED AT "ER" SIDE OF "X". REMOVED ALL CONDUCTORS PRIOR TO CUTTING CONDUIT. EXACT LOCATION OF A CONDUITS SHALL BE FIELD VERIFIED.

CLIENT FOCUSED PASSION DRIVEN •

SOUTHERN CALIFORNIA 8163 ROCHESTER AVENUE, SUITE 100 RANCHO CUCAMONGA CALIFORNIA 91730-0729

TEL: 909-987-0909 www.wlcarchitects.com

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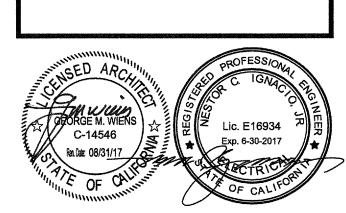
EXISTING CONDUIT RUN TO BE REWIRED. REFER TO PLANS FOR

"X" INDICATES APPROXIMATE POINT OF INTERCEPTION OF EXISTING

EXISTING CONDUIT RUN TO REMAIN. EXISTING CONDUCTORS TO

TRIC 0

> 0 2 ပ S Ш



MECHANICAL

ELECTRICAL



CONSULTANT



NO DATE BY DESCRIPTION

REVISIONS CHECKED: GW DRAWN: NR **DATE**: 03/10/2016 | **SCALE**:

SPECIFICATION, LEGEND AND DRAWING LIST

NUMBER:

PROJECT NUMBER: 1522500

APPLICABLE CODES AND STANDARDS

 2013 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 1

2013 CALIFORNIA BUILDING CODE (CBC)

2013 CALIFORNIA FIRE CODE (CFC)

CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 2 (2009 INTERNATIONAL BUILDING CODE (IBC) W/CALIFORNIA AMENDMENTS) 2013 CALIFORNIA ELECTRICAL CODE (CEC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 3

(2008 NATIONAL ELECTRICAL CODE (NEC) W/CALIFORNIA AMENDMENTS)

 2010 CALIFORNIA ENERGY CODE CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 6

CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 9 (2009 INTERNATIONAL FIRE CODE (IFC) W/CALIFORNIA AMENDMENTS) 2013 CALIFORNIA EXISTING BUILDING CODE CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART10

(2009 INTERNATIONAL EXISTING BUILDING CODE (IEBC)) 2013 CALIFORNIA REFERENCED STANDARDS CODE CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 12

AMERICANS WITH DISABILITIES ACT (ADA) TITLE II - ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES (ADAG) 1990 STATE FIRE MARSHAL REGULATIONS AND AMENDMENTS TO-DATE

CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, CALIFORNIA STATE ACCESSIBILITY STANDARDS CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 19 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE

(CAL GREEN), PART II, TITLE 24 C.C.R.

OOR LIGHTING LTO-01-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION ATE OF COMPLIANCE ORC-LTO-01-E CEC-NRCC-LTO-01-E CECTIFICATE OF COMPLIA	15) CALIFORNIA ENERGY COMMISSION	STATE OF CALIFORNIA OUTDOOR LIGHTING CEC-NRCC-LTO-01-E (Revised 06/14)	CALIFORNIA ENERGY COMMISSION	STATE OF CALIFORNIA OUTDOOR LIGHTING CEC-NRCC-LTO-01-E (Revised 08/14)	CALIFORNIA ENERGY COMMISSION	
Lighting (Page 1 of 4) Outdoor Lighting Thompson Middle School Date Prepared: 5/5/2016 Project Name: Thompson Mid	(Page 2 of 4)	CERTIFICATE OF COMPLIANCE Outdoor Lighting	NRCC-LTO-01-E (Page 3 of 4)	CERTIFICATE OF COMPLIANCE Outdoor Lighting	NRCC-LTO-01-E (Page 4 of 4)	
Iress: 24040 Hayes Avenue Murrieta, CA 92562 Total Illuminated Hardscape Area Schedule of luminaire	s exempt from the outdoor lighting power requirements in §140.7	Project Name: Thompson Middle School	Date Prepared: 5/5/2016	Project Name: Thompson Middle School	Date Prepared: 5/5/2016	
0.7 0.7	Description of exempt luminaire in accordance with the exemptions	A. OUTDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKL Luminaire Schedule Installed Wa		DOCUMENTATION AUTHOR'S DECLARATION STATEMENT 1. I certify that this Certificate of Compliance documentation is accurate and complete. Documentation Author Name:		
Construction: New Construction		A B C D	Inspector	Company: Nestor Ignacio TTG Corp	Signature Date: 5/5/2016	
Lighting Zone (OLZ) OLZ-1 OLZ-2 OLZ-3 OLZ-4 Onfirmed with the AHJ which OLZ applies to this site. For default lighting zone designations, see Title 24 Part 6, §10-114		How wattage was determined E ≤	Tota Watts	Address: 901 Via Piemonte, Suite 400 City/State/Zip: Ontario, CA 91764	CEA Certification (if applicable): Phone: (909) 477-6915	
COMPLIANCE DOCUMENTS (check box for each document included)		Name or Item Tag Complete Luminaire Description In Item Tag Complete Luminaire Description Item Tag In	minater of the selection area in which are installed these luminaires are installed these luminaires are installed these luminaires are installed these luminaires are installed the selection area in which are installed the selection area in	RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of Californ		
by the California Energy Commission	s exempt from the cutoff requirements in §130.2(b)	EX1 90w LED 90.0 12 1	6 540 Automotive Hardscape	The information provided on this Certificate of Compliance is true and correct.	sibility for the building design or system design identified on this Certificate of Compliance (responsible	
Name or Symbol CCC-LTO-01-E Certificate of Compliance CCC-LTO-02-E Outdoor Lighting Controls Certificate of Compliance	Description of exempt luminaire in accordance with the exemptions	EX1 90W LED 90.0 2	O 540 Automotive nardscape	 designer). The energy features and performance specifications, materials, components, and ma conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Re 	anufactured devices for the building design or system design identified on this Certificate of Compliance Regulations.	
ACC-LTO-03-E Outdoor Lighting Power Allowance Certificate of Compliance				worksheets, calculations, plans and specifications submitted to the enforcement age	of Compliance are consistent with the information provided on other applicable compliance documents, ency for approval with this building permit application. made available with the building permit(s) issued for the building, and made available to the enforcement	
ary of Allowed Outdoor Lighting Power Watts				agency for all applicable inspections. I understand that a completed signed copy of the building owner at occupancy.	this Certificate of Compliance is required to be included with the documentation the builder provides to the Responsible Designer Signature:	
	s exempt from the outdoor lighting control requirements in §130.2(c)			Nestor Ignacio, P.E. Company: TTG Engineers	Date Signed: 05/05/2016	
Sum Total INSTALLED Outdoor lighting Wattage from NRCC-LTO-01-E, page 3 540 Name or Symbol	Description of exempt luminaire in accordance with the exemptions			Address: 901 Via Piemonte City/State/Zip: Ontario, CA 91764	Licerse: E16934 Phone: (909) 477-6915	
ation of Required Installation Certificates – Declare by checking all Installation Certificates that will mitted. (Retain copies and verify forms are completed and signed.)				Ontailo, OA 31104	(303) 477-0310	
CI-LTO-01-E - Must be submitted for all buildings						
CI-LTO-02-E - Must be submitted for a lighting control system, or for an Management Control System (EMCS), to be recognized for compliance.						
ation of Required Certificates of Acceptance – Declare by checking all of the Certificates of ance that will be submitted. (Retain copies and verify forms are completed and signed.)						
CA-LTO-02-A - Must be submitted for outdoor lighting controls.		INSTALLED WATTS PAGE	540 INSTALLED Outdoor lighting wattage) into 540			
		CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance	NRCC-LTO-01-E; Page 1 June 2013	CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance	June 2013	
g Energy Efficiency Standards - 2013 Nonresidential Compliance May 2015 CA Building Energy Efficiency S	tandards - 2013 Nonresidential Compliance May 2015					
F CALIFORNIA DOOR LIGHTING CONTROLS CC-LTO-02-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION CALIFORNIA ENERGY COMMISSION NRCC-LTO-02-E	STATE OF CALIFORNIA OUTDOOR LIGHTING CONTROLS CEC-NRCG-LTO-02-E (Revised 05/15) CERTIFICATE OF COMPLIANCE	CALIFORNIA ENERGY COMMISSION NRCC-LTO-02-E	STATE OF CALIFORNIA OUTDOOR LIGHTING CONTROLS CEG-NRCC-LTO-02-E (Revised 05/15) CERTIFICATE OF COMPLIANCE	CALIFORNIA ENERGY COMMISSION NRCC-LTO-02-E	STATE OF CALIFORNIA OUTDOOR LIGHTING POWER ALLOWANCES CEC-NRCC-LTO-03-E (Revised 05/15) CERTIFICATE OF COMPLIANCE	CALIFORNIA ENERGY COM
or Lighting Controls (Page 1 of 3) Thompson Middle School Date Prepared: 5/5/2016	Outdoor Lighting Controls Project Name: Thompson Middle School	(Page 2 of 3) Date Prepared: 5/5/2016	Outdoor Lighting Controls Project Name: Thompson Middle School	(Page 3 of 3) Date Prepared: 5/5/2016	Outdoor Lighting Power Allowances Project Name: Thompson Middle School	Date Prepared: 5/5/2016
IRCC-LTO-02-E shall be used to document all mandatory outdoor lighting controls that are applicable to the project.	MANDATORY OUTDOOR LIGHTING CONTROL SCHEDULE and FIELD INSPE	CTION CHECKLIST	DOCUMENTATION AUTHOR'S DECLARATION STATEMENT		A. OUTDOOR LIGHTING POWER ALLOWANCE SUMMARY	
latory Outdoor Lighting Control Declaration Statements : all that apply:		Fiel Fiel	I certify that this Certificate of Compliance documentation is accurate and complete. Documentation Author Name: Nestor Ignacio Company: Signature Date: Signature Date: Signature Date: Documentation Author Signature Signature Date: Documentation Author Signature Documentation Author Sign	-mn Gmm	 General Hardscape Lighting Power Allowance (Site Total from Section B of NRCC-LTO-03-E) Additional Specific "use it or lose it" Lighting Power Allowances listed in each of these cells shall be idented. 	tical to total allowed watts
ighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance fficiency Regulations in accordance with §110.9(a).	Outdoor Lighting Control Schedule	Standards Complying With (all that apply, or enter 'E' if Exempted)	Company: TTG Corp Signature Date: 5/5/2016 Address: 901 Via Plemonte, Suite 400 CEA Certification Identification (if a	applicable):	determined in Section C-1 to C-4 of NRCC-LTO-03-E. PER APPLICATION PER UNIT LENGTH PER HARDSCAPE AREA	PER SPECIFIC AREA
ighting shall be controlled by a lighting control system or energy management control system in accordance with §110.9. An Installation Certificate nall be submitted in accordance with §130.4(b).		ctor	City/State/Zip: Ontario, CA 91764 Phone: (909) 477-6915 RESPONSIBLE PERSON'S DECLARATION STATEMENT		from Section C-1 (SALES FRONTAGE) (ORNAMENTAL LIGHTING) from Section C-2 from Section C-3	1 1
Il 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 §130.1	A B C Type/ Description of Lighting Control (i.e.	C D E F G H I N O	I certify the following under penalty of perjury, under the laws of the State of California: The information provided on this Certificate of Compilance is true and correct. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the	an huilding during an austam darion identified an this Cartificate of Camplianes	0 + 0 + () + 0 = 2. 3.
art-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.	Location and Application of astronomical time-switch control of	Fall Fall Fall Fall Fall Fall Fall Fall	(responsible designer). The energy features and performance specifications, materials, components, and manufactured Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of F	devices for the building design or system design identified on this Certificate of	B. GENERAL HARDSCAPE LIGHTING POWER ALLOWANCE FROM TABLE 140.7-A	
All outdoor luminaires rated for use with lamps greater than 150 lamp watts, determined in accordance with Section 130.0(c), shall comply with acklight, Uplight, and Glare (collectively referred to as "BUG") in accordance with Section 130.2(b)	Luminaires being controlled centralized time-based zone lighting Unit	(c)	 The building design features or system design features identified on this Certificate of Complianc documents, worksheets, calculations, plans and specifications submitted to the enforcement age 	ce are consistent with the information provided on other applicable compliance ency for approval with this building permit application.		Vattage Allowance (LWA) Initial Wattage Allowance (IWA) Light
All installed outdoor lighting shall be controlled by a photocontrol or outdoor astronomical time-switch control 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	Parking Lot Astronomical Time Switch 4		 I will ensure that a completed signed copy of this Certificate of Compliance shall be made available enforcement agency for all applicable inspections. I understand that a completed signed copy of builder provides to the building owner at occupancy. 	f this Certificate of Compliance is required to be included with the documentation the	Name of area Illuminated AWA Per AWA (B x C) Perimeter Length of General Hardscape	
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			Responsible Designer Name: Nestor Ignacio, P.E. Company: TTG Engineers Responsible Designer Signature: Date Signed:	05/05/201 <i>6</i>	Parking 25,985 0.090 2,339 850	0.600 510 770 3,619
ghting controls in accordance with Section 130.2(c)3 For Outdoor Sales Frontage, Outdoor Sales Lots, and Outdoor Sales Canopies lighting, an automatic lighting control in accordance with Section			Address: 901 Via Piemonte License: City/State/Zip: Ontario, CA 91764	E16934 (909) 477-6915		
30.2(c)4 For Building Facade, Ornamental Hardscape and Outdoor Dining lighting, an automatic lighting control in accordance with Section 130.2(c)5			Ontanio, CA 31704	(303) 477-0313		
efore an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for ormal use, indoor lighting controls serving the building, area, or site 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						
ppendix NA7.8						
					(TOTAL 3.619
						L 3,0 1
ling Energy Efficiency Standards - 2013 Nonresidential Compliance May 2015	CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance	May 2015	CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance	May 2015	CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance	[3,01
F CALIFORNIA DOOR LIGHTING POWER ALLOWANCES	STATE OF CALIFORNIA OUTDOOR LIGHTING POWER ALLOWANCES		STATE OF CALIFORNIA OUTDOOR LIGHTING POWER ALLOWANCES		CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance	3,01
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F CALIFORNIA DOOR LIGHTING POWER ALLOWANCES CALIFORNIA ENERGY COMMISSION FICATE OF COMPLIANCE Or Lighting Power Allowances Thompson Middle School TIONAL "USE IT OR LOSE IT" OUTDOOR LIGHTING POWER ALLOWANCES FOR SPECIFIC APPLICATIONS CALIFORNIA ENERGY COMMISSION NRCC-LTO-03-E (Page 2 of 4) TOO TO THE PROPERTY OF	STATE OF CALIFORNIA OUTDOOR LIGHTING POWER ALLOWANCES CEC-NRCC-LTO-03-E (Revised 05/15) CERTIFICATE OF COMPLIANCE Outdoor Lighting Power Allowances Project Name: Thompson Middle School C-3. WATTAGE ALLOWANCE PER SQUARE FOOT OF HARDSCAPE AREA (O	CALIFORNIA ENERGY COMMISSION NRCC-LTO-03-E (Page 3 of 4) Date Prepared: 5/5/2016 Drnamental Lighting) — Table 140.7-B	STATE OF CALIFORNIA OUTDOOR LIGHTING POWER ALLOWANCES CEC-NRCC-LTO-03-E (Revised 03/15) CERTIFICATE OF COMPLIANCE Outdoor Lighting Power Allowances Project Name: Thompson Middle School DOCUMENTATION AUTHOR'S DECLARATION STATEMENT 1. Lertify that this Certificate of Compliance documentation is accurate and complete.	CALIFORNIA ENERGY COMMISSION NRCC-LTO-03-E (Page 4 of 4) Date Prepared: 5/5/2016	CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance	3,018
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E CALIFORNIA DOOR LIGHTING POWER ALLOWANCES CALIFORNIA ENERGY COMMISSION NRCC-LTO-03-E (Revised 59/15) TO LIGHTING POWER Allowances (Page 2 of 4) TO THOMPSON Middle School TIONAL "USE IT OR LOSE IT" OUTDOOR LIGHTING POWER ALLOWANCES FOR SPECIFIC APPLICATIONS additional specific outdoor lighting power allowance shall be the smaller of the allowed lighting power or the actual lighting power used. Outdoor Lighting Zone (OLZ) that is documented on page 1 of NRCC-LTO-01-E to calculate the specific wastage allowances. ITTAGE ALLOWANCE PER APPLICATION — Table 140.7-B liable only for qualifying locations, which include Building Entrances or Exits; Primary Entrances to Senior Care Facilities, Police Stations, Hospitals, Fire Stations, and nergency Vehicle Facilities; Drive Up Windows, Vehicle Service Station Uncovered Fuel Dispenser than one luminaire type is used per location, use multiple rows for that location A B C D E F G H I J ALLOTTED WATTS DESIGN WATTS DESIGN WATTS Variage Location for Number of Allowance per Allotted Luminaire Unalifying Locations Incation (B x C) Symbol Luminaire Description Quantity Unimisive (G x H) (smaller of D or I was a luminaire type is used per location, use multiple rows for that location A B C D E F G H I J ALLOTTED WATTS Sum total allowance per application on this site: O INTRAGE ALLOWANCE PER UNIT LENGTH (Sales Frontage) from Table 140.7-B than one luminaire type is used per location, use multiple rows for that location A B C D E F G H I J ALLOTTED WATTS Sum total allowance per application on this site: O INTRAGE ALLOWANCE PER UNIT LENGTH (Sales Frontage) from Table 140.7-B than one luminaire type is used per location, use multiple rows for that location A B C D D E F G G H I J ALLOTTED WATTS Luminaire Unimaire U	STATE OF CALIFORNIA OUTDOOR LIGHTING POWER ALLOWANCES CECNRCC_LTO-03-E (Ravised 05/15) CERTIFICATE OF COMPLIANCE Outdoor Lighting Power Allowances Project Name: Thompson Middle School C-3. WATTAGE ALLOWANCE PER SQUARE FOOT OF HARDSCAPE AREA (O Allowance for the total site illuminated hardscape area. Luminaires qualifying for the Section 130.0(c), and shall be post-top luminaires, lanterns, pendant luminaires, of the more than one luminaire type is used per location, use multiple rows for that location ornamental allowance is claimed A B C D E ALLOTTED WATTS Name of area for which ornamental allowance is claimed A B C D E Allowance per Watts Code or square foot (B x C) Symbol Luminaire Graph of the complete of t	CALIFORNIA ENERGY COMMISSION NRCC-LTO-03-E (Page 3 of 4) Drinamental Lighting) — Table 140.7-B this allowance shall be rated for 100 watts or less as determined in accordance with or chandeliers. It is allowants F G H I J DESIGN WATTS Luminaire Watts per Quantity (G x H) (smaller of D or I) Sum total allowance for ornamental lighting on the site: 0 F G H I J DESIGN WATTS Sum total allowance for ornamental lighting on the site: 0 F G H I J Design Watts (smaller of D or I) Sum total allowance for ornamental lighting on the site: 0 F G H I J DESIGN WATTS Luminaire Watts per (G x H) (smaller of D or I) DESIGN WATTS Luminaire Watts per (G x H) (smaller of D or I) Sum total allowance for specific area on the site: 0	STATE OF CALIFORNIA OUTDOOR LIGHTING POWER ALLOWANCES CEC-NRCC-LTO-03-E (Revised 0915) CERTIFICATE OF COMPLIANCE Outdoor Lighting Power Allowances Project Name: Thompson Middle School DOCUMENTATION AUTHOR'S DECLARATION STATEMENT 1. I certify that this Certificate of Compliance documentation is accurate and complete. Documentation Author Name: Nestor Ignacio Company: TTG Corp Address: 901 Via Piermonte, Suite 400 CEA Ce City/State/Zip: Ontario, CA 91764 RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California: 1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the (responsible designer). 3. The energy features and performance specifications, materials, components, and manufactured Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of R 4. The building design features or system design features identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of R 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available enforcement agency for all applicable inspections, I understand that a completed signed copy of builder provides to the building owner at occupancy. Responsible Designer Name: Nestor Ignacio, P.E. Company: TTG Engineers Address: 901 Via Piermonte	CALIFORNIA ENERGY COMMISSION NRCC-LTO-03-E (Page 4 of 4) Date Prepared: 5/5/2016 Date Prepare	CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance	
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DRAWN: NR MANUFACTURER & NO. REFER TO DETAIL #3, SHEET E0.1 FOR MCGRAW EDISON #GLEON—AE—03—LED—E1—T4FT—530 DATE: 03/10/2016 | SCALE: PROJECT NUMBER: 1522500 DOCUMENTATION DRAWING NUMBER:

LIGHTING FIXTURE SCHEDULE

REMARKS

PROVIDE SQUARE POLE, COLOR TO MATCH FIXTURE COLOR

FINISH LAMP(S) WATTS

BLACK

DESCRIPTION

LED PARKING LOT LIGHT

EX1

E0.2

CHECKED: GW

ARCHITECTS

PASSION DRIVEN

MURRIETA VALLEY UNIFIED SCHOOL DISTRICT 24040 HAYES AVENUE MURRIETA, CA 92562

SOUTHERN CALIFORNIA
8163 ROCHESTER AVENUE, SUITE 100
RANCHO CUCAMONGA
CALIFORNIA 91730-0729

TEL: 909-987-0909

www.wlcarchitects.com

N MIDDLE SCHOOL OT IMPROVEMENTS

THOMPSON PARKING LO

CONSULTANT

STRUCTURAL

MECHANICAL

ELECTRICAL

CIVIL

901 Via Piemonte, Suite 400

www.ttgcorp.com Project No. 0216.3420.00

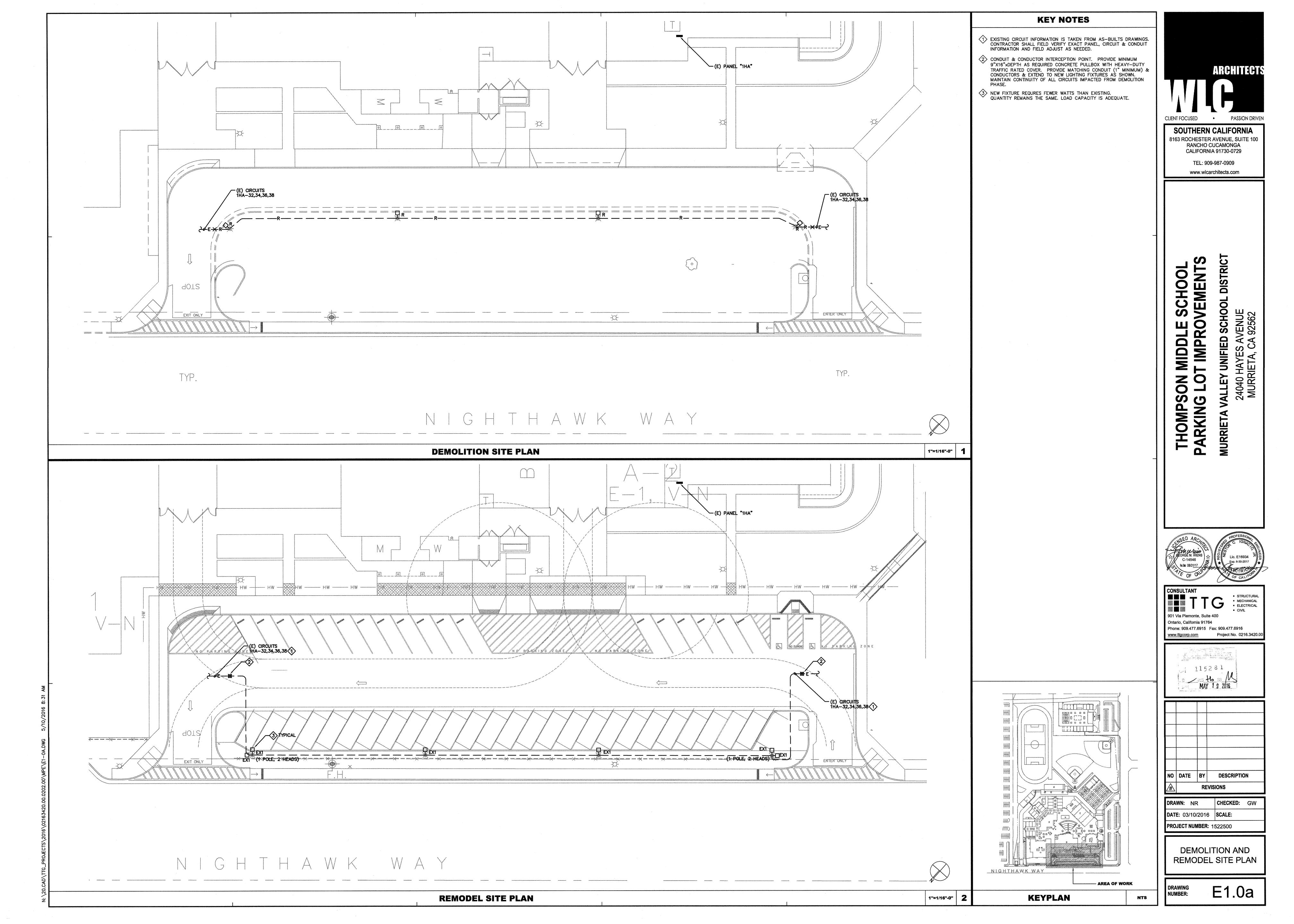
Phone: 909.477.6915 Fax: 909.477.6916

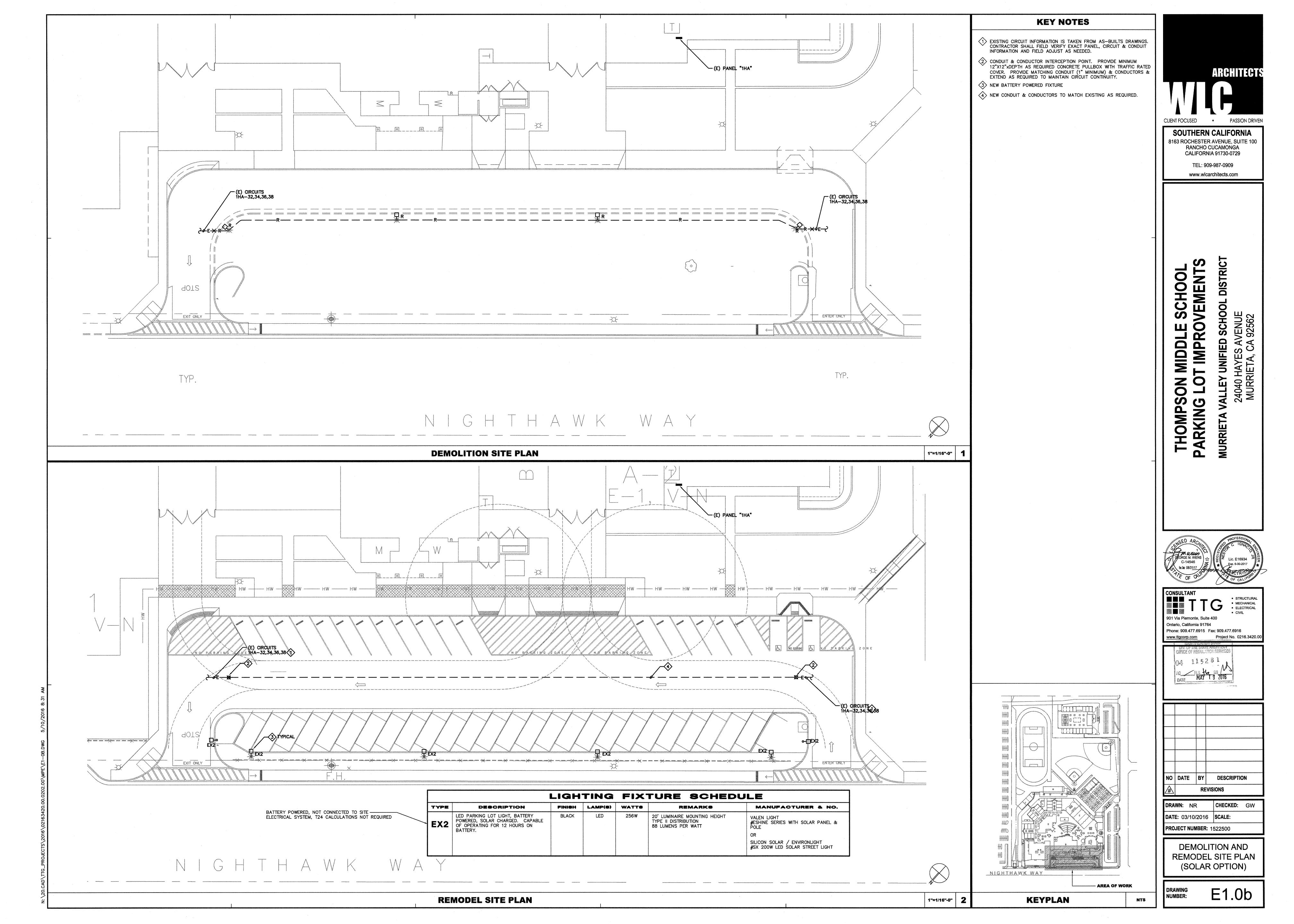
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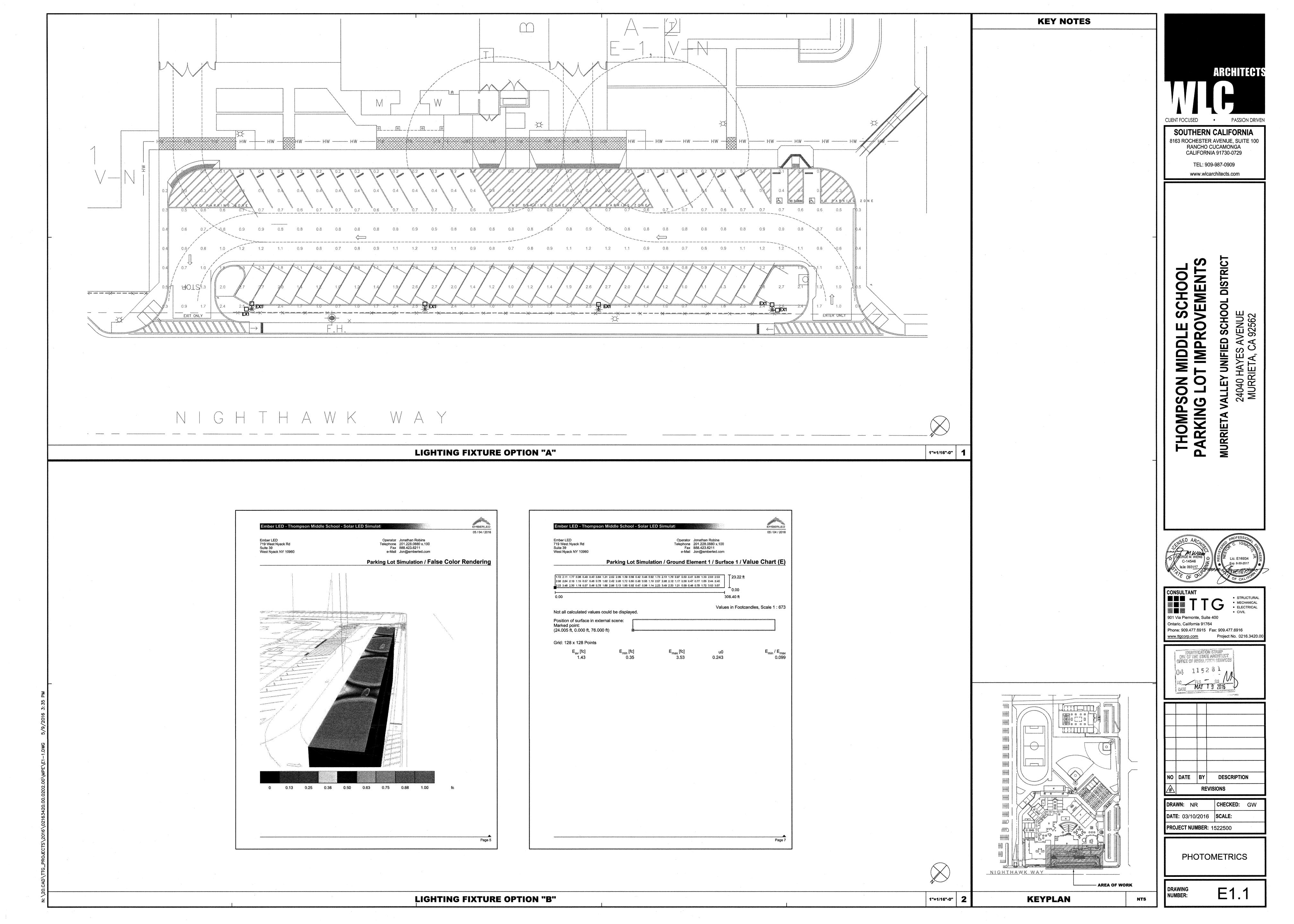
REVISIONS

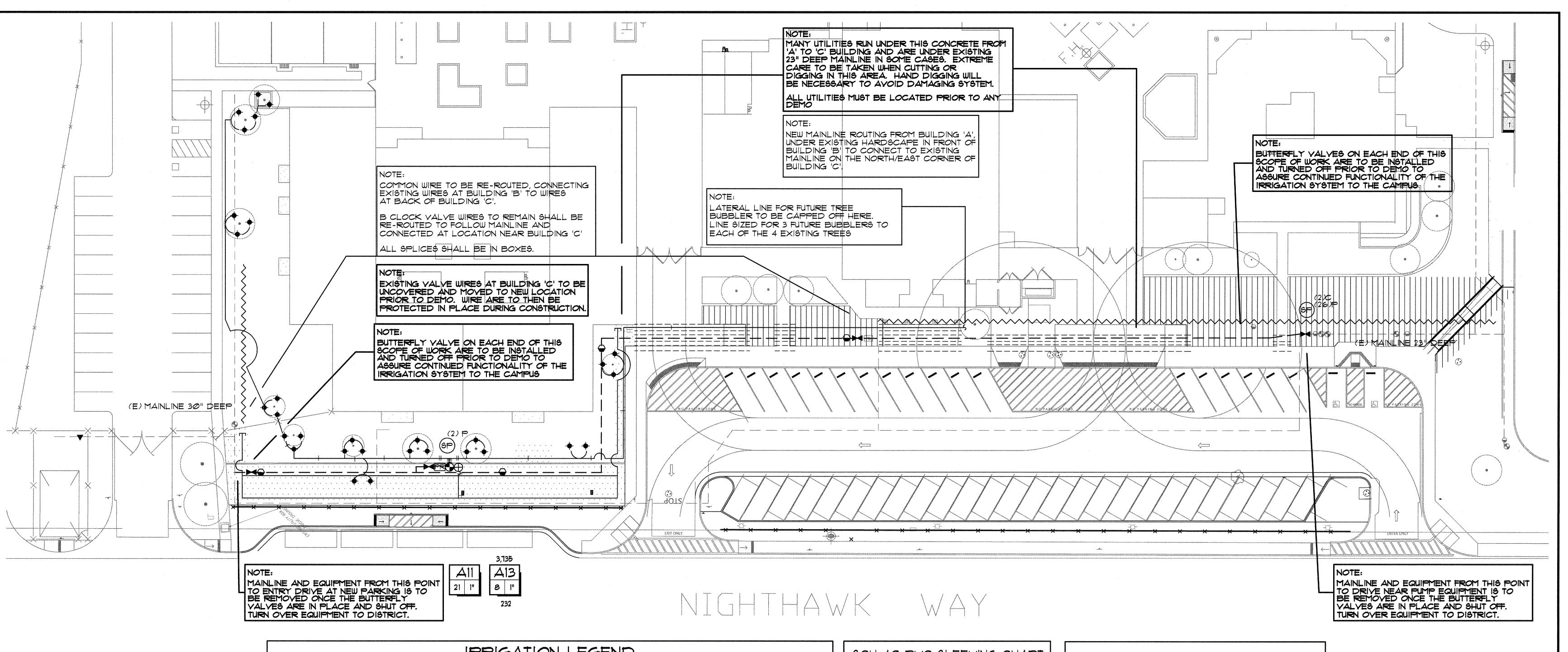
TITLE 24

Ontario, California 91764









IRRIGATION LEGEND						
SYMBOL	MANUFACTURER/MODEL *	PSI	FLOW	DETAIL		
	HATCH PATTERN REFLECTS INDIVIDUAL VALVE ZONES TO BE WATERED VIA POINT TO POINT DRIP W/ BOWSMITH SL.200. I EMITTER PER PLANT EXCEPT CENTAUREA, LEONOTIS, MUHLENBERGIA, AND YUCCA TO RECEIVE 2 EMITTERS	40	2 GPH	'L' / L.2		
MISCELLANEOUS						
REPAIR AND REPLACE WITH LIKE MATERIAL, ANY IRRIGATION EQUIPMENT DAMAGED DURING INSTALLATION						
TREE BUBBLERS						
+	RAINBIRD 1402 SERIES BUBBLER WITH PURPLE CAP	3Ø	.5 GPM	'K' / L.2		

MINOR ADJUSTMENTS IN THE FIELD MAY BE NECESSARY TO AVOID VERTICAL OBJECTS OR UTILITIES

	EQUIPMENT LEGEND		
SYMBOL	MANUFACTURER/MODEL *	SIZE	DETAIL
₩	YARDNEY MCS3-YI MAXI CLEAN SCREEN FILTER ASSEMBLY	PER PLAN	'C'/L.2
PR	WATTS LF223 PRESSURE REDUCING VALVE - SET TO 65 PSI	1"	'G'/L.2
H	NIBCO T585 BALL VALVE 2" & SMALLER NIBCO WD2000 BUTTERFLY VALVE 21/2" & LARGER	LINE SIZE	'D, E'/L.:
\oplus	RAINBIRD XCZ-100-PRF CONTROL ZONE KIT FOR DRIP ON MANIFOLD	PER PLAN	'l, J'/L.2
•	EXISTING VALVE TO BE PROTECTED IN PLACE		
•	RAINBIRD PESB SERIES ELECTRIC CONTROL VALVE FOR BUBBLERS ON MANIFOLD	PER PLAN	'H, I'/L.2
	EXISTING CONTROLLER TO BE TIED INTO, STATIONS All AND AI3 (REUSE EXISTING WIRES)		
•	EXISTING QUICK COUPLING VALVE TO BE PROTECTED IN PLACE		
⇔	RAINBIRD 44NP QUICK COUPLING VALVE, COLOR PURPLE	1"	'F'/L.2
	EXISTING MAINLINE TO BE REMOVED	3"	
	EXISTING MAINLINE TO BE PROTECTED IN PLACE	3"	
	CL315 PVC MAINLINE - 30" MINIMUM COVER TO MATCH EXISTING, COLOR PURPLE	3"	'A-C'/L.
	SCH 40 PYC NON-PRESSURE LATERAL LINE - 12" MIN. COVER, COLOR PURPLE	PLAN SIZE	'A-C'/L.
	SCH 40 PVC IRRIGATION PIPE / WIRE SLEEVE - 24" MIN. COVER	SEE CHART	'A-C'/L
NOT SHOWN	UF RATED CONTROL WIRE, 12 GA COMMON, 14 GA PILOT - 18" MIN. COVER	12/14 GA	'A-C'/L.
(SP)	SPARE UF RATED CONTROL WIRE, (2) 12 GA COMMON, (28) 14 GA PILOT - 18" MIN. COVER FROM BACK OF BUILDING 'C' TO LOCATION SHOWN. 10' TO BE LOOPED IN VALVE BOX.	12/14 GA	'A-C'/L.
·····	EXISTING VALVE AND COMMON WIRES TO BE PROTECTED IN PLACE AND EXTENDED		
PB	EXISTING WIRE PULL BOX TO BE PROTECTED IN PLACE		
	NETAFIM DRIP LINE AUTOMATIC FLUSH ASSEMBLY		'M'/L.2

(1) PIPES AND VALVES ARE SHOWN IN HARDSCAPE FOR CLARITY ONLY. TO BE PLACED WITHIN PLANTER AREAS (2) ALL MAINLINE TEES AND 90'S ARE TO BE SCH 80 PVC AND SHALL BE THE SAME SIZE AS THE MAINLINE, REDUCING WHEN NECESSARY JUST BEFORE VALVES.

(3) ALL VALVE BOX COVERS TO BE CARSON/BROOKS PURPLE VALVE BOXES OR EQUAL.

3CH 40 P	YC SLEEVING	: CH,	ART
1/4" SLEEVE	1-4 WIRES	1/2"	PIPE
1/2" SLEEVE	5-10 WIRES	3/4"	PIPE
" SLEEVE	11-20 WIRES	111	PIPE
1/2" SLEEVE	21-30 WIRES	1 1/4"	PIPE
3" SLEEVE	31-40 WIRES	1 1/2"	PIPE
4" SLEEVE	41-60 WIRES	2"	PIPE
5" SLEEVE	61-99 WIRES	3"	PIPE
3" SLEEVE	100+ WIRES	4"	PIPE
O" SLEEVE	N/A	6"	PIPE

UDE CITINA	CILADT		
PIPE SIZING	# CHARI	5 Q 1	F1
	3/4" PIPE 1" PIPE 1 1/4" PIPE 1 1/2" PIPE	STA' NUM!	
——————————————————————————————————————	2" PIPE 2 1/2" PIPE 3" PIPE	FLOW (GPM)	
<u> </u>	4" PIPE 6" PIPE 8" PIPE	* OF SH	#F

TION BER VALVE SIZE TWO WORKING DAYS BEFORE YOU DIG

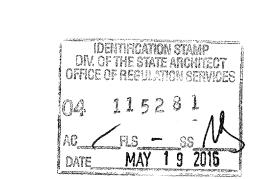
ALL UTILITIES MUST BE LOCATED PRIOR TO ANY DEMO

Underground Service Alert

BOOSTED WATER PRESSURE 98 PSI 40 PSI SYSTEM DESIGN PRESSURE

RE-ROUTING OF MAINLINE AND CONTROL WIRES TO OCCUR DURING DEMOLITION PHASE. FUTURE VALVE WIRES ARE TO BE EXTENDED TO NEW LOCATION, LOOPED WITH 10' OF EXTRA WIRE AND PLACED IN A VALVE BOX.

ALL EQUIPMENT REMOVED SHALL BE REMOVED CAREFULLY AND TURNED OVER TO THE DISTRICT CONTRACTOR SHALL TEST ALL WIRE TO VERIFY CONTINUITY FROM END TO SATELLITE IN THE PRESENCE OF A DISTRICT REP. COORDINATE VALVE SEQUENCING WITH DISTRICT REP. IN THE FIELD.



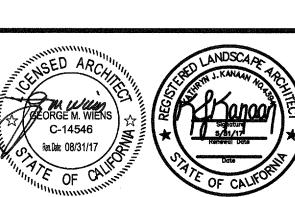


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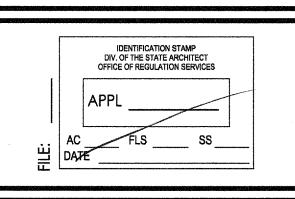
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SCHOOL ЩО MIDDL

SCHOOL THOMPSON PARKING LC MURRIETA





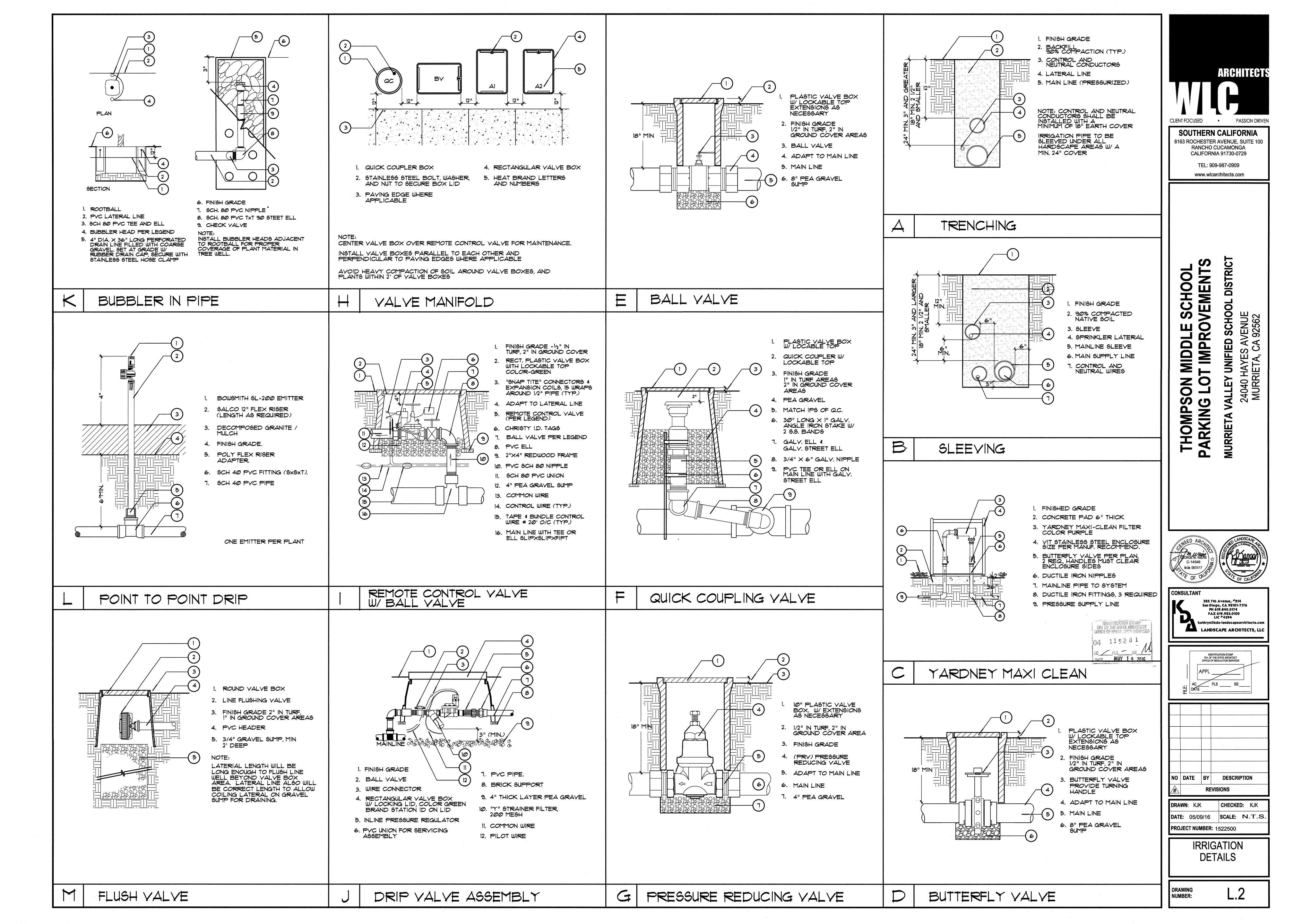


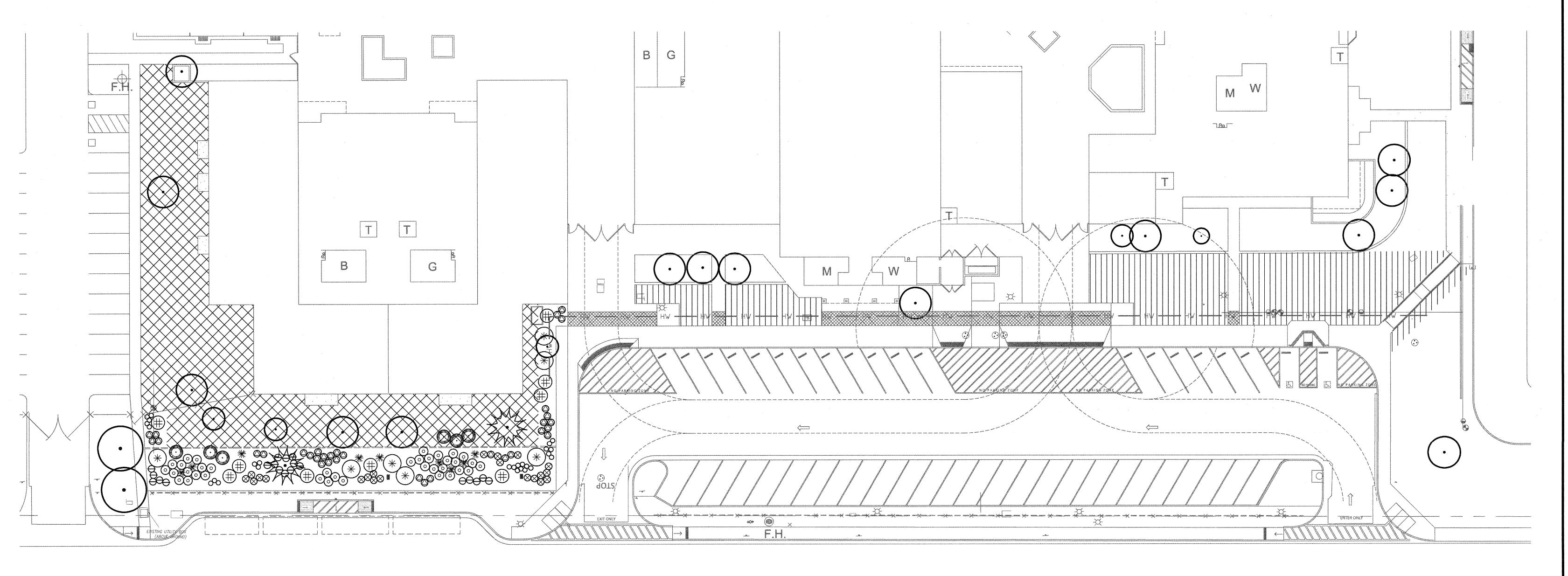
<u></u>		REVISIONS			
NO	DATE	ВҮ	DESCRIPTION		
					

DRAWN	I: KJK	CHECKE	:D: KJK
DATE:	05/17/16	SCALE:	1" = 20'-0
	CT NUMBER: 1		

IRRIGATION PLAN

DRAWING NUMBER:





NIGHTHAWK WAY

PLANT LEGEND								
SYMBOL	BOTANICAL NAME COMMON NAME	SIZE SPAC	ING REMARKS	REFERENCE				
SHRUBS								
Zw.	ALOE 'HERCULES' HERCULES ALOE	24" box	15' O.C.	REFER TO DETAIL THIS SHEET				
EL MANAGE DE LA COMPANIA DE LA COMPA	CAESALPINIA GILIESII YELLOW BIRD OF PARADISE	15 GAL.	6' O.C.					
*	CENTAUREA GYMNOCARPA VELVET CENTAUREA	15 GAL.	8' O.C.					
	CALLISTEMON 'LITTLE JOHN' DWARF BOTTLE BRUSH	5 GAL	3' <i>O.C.</i>					
0	DIANELLA REVOLUTA LITTLE REV LITTLE REV FLAX LILY	5 GAL.	2' <i>O.C.</i>					
Θ	EUPHORBIA BLUE HAZE BLUE HAZE SPRUGE	5 GAL.	3' O.C.					
(#)	LEONOTIS LEONURUS LIONS TAIL	5 GAL.	6' O.C.					
o	MUHLENBERGIA CAPILLARIS REGAL MIST PINK MUHLY	5 GAL.	4' O.C.					
\otimes	WESTRINGIA FRUTICOSE GREYBOX DRAWF COAST ROSEMARY	5 GAL.	3' O.C.					
*	YUCCA ROSTRATA BEAKED YUCCA	24" box	4' O.C.	V				

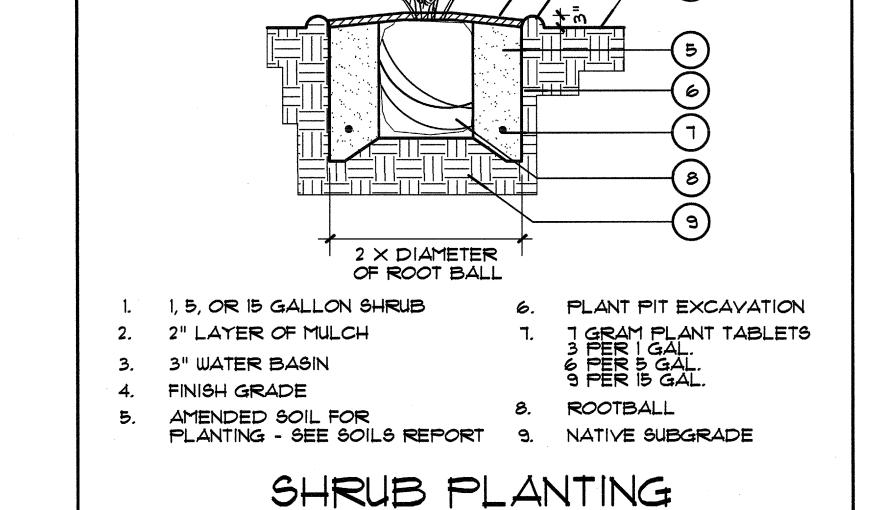
MISCELLANEOUS

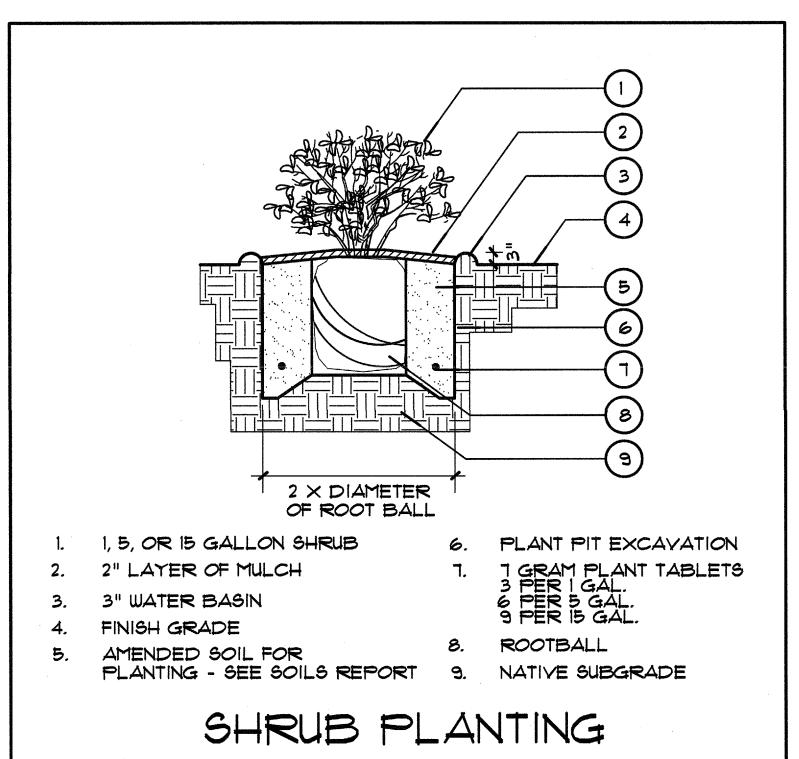
NOT SHOWN	ALL PLANTER AREAS TO RECEIVE A 3" THICK LAYER OF MEDIUM GRIND ORGANIC WOOD CHIPS. KEEP A CLEAR ZONE AROUND THE LEADER BRANCHES. LANDSCAPE CONTRACTOR TO SUBMIT SAMPLE TO LANDSCAPE ARCHITECT FOR APPROVAL.	REFER TO SPECS.
	REPAIR AND REPLACE WITH LIKE SOD ANY AREA THAT IS DAMAGED DURING INSTALLATION OF NEW IRRIGATION SYSTEM.	

MEASUREMENT FROM THE CENTER OF THE PLANT WILL BE VERIFIED AS SUCH.

REMOVE ALL ACACIA PLANTS AND ROOTS. PROTECT TREE ROOT SYSTEMS BY HAND DIGGING WITHIN AND NEAR THE DRIPLINES. PLACE A 3" LAYER OF MEDIUM GRIND ORGANIC WOOD CHIPS AS DIRECTED ABOVE.

ALL PLANTS HAVE BEEN PLACED SO THAT MATURE GROWTH WILL REMAIN I' FROM ALL HARDSCAPE SURFACES.







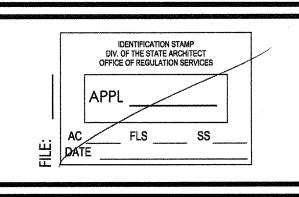
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES

THOMPSOI PARKING L



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NO DATE BY DESCRIPTION	#\	REVISIONS		
	NO	DATE	BY	DESCRIPTION

DRAWN: KJK	CHECKED: KJK
DATE : 05/17/16	SCALE: 1" = 20'-0
PROJECT NUMBER: 1	522500

PLANTING PLAN

DRAWING NUMBER:

