

COLTON JOINT UNIFIED SCHOOL DISTRICT

TERRACE VIEW ELEMENTARY SCHOOL TK MODULAR ADDITION

22731 GRAND TERRACE ROAD
GRAND TERRACE, CA 92313

DSA A# 04 - 124750

CONSULTANT:

COLTON JOINT UNIFIED SCHOOL DISTRICT
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GRAND TERRACE, CA 92313



TITLE SHEET

SEALS:



GENERAL NOTES	CODE AND STANDARDS	PROJECT SCOPE OF WORK	PROJECT DIRECTORY	INDEX TO DRAWINGS			
<p>APPLICABLE CODES</p> <ul style="list-style-type: none"> 2025 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R. 2022 CALIFORNIA BUILDING CODE (CFC) PART 2, TITLE 24 C.C.R. 2022 CALIFORNIA ELECTRICAL CODE (CEC) PART 3, TITLE 24 C.C.R. 2022 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R. 2022 CALIFORNIA PLUMBING CODE (CPC) PART 5, TITLE 24 C.C.R. 2022 CALIFORNIA ENERGY CODE (CEC) PART 6, TITLE 24 C.C.R. 2022 CALIFORNIA GREEN BUILDING CODE, PART 11, TITLE 24 C.C.R. 2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R. 2022 CALIFORNIA PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS <p>APPLICABLE STANDARDS</p> <p>FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER 35 AND CFC CHAPTER 80.</p> <p>PARTIAL LIST OF APPLICABLE STANDARDS</p> <ul style="list-style-type: none"> NFPA 13 AUTOMATIC FIRE SPRINKLER SYSTEMS NFPA 14 STANDPIPE AND HOSE SYSTEMS NFPA 17 DRY CHEMICAL EXTINGUISHING SYSTEMS NFPA 17a WET CHEMICAL EXTINGUISHING SYSTEMS NFPA 20 STANDPIPE AND HOSE SYSTEMS FOR PROTECTION NFPA 22 FIRE TANKS FOR PRIVATE FIRE PROTECTION NFPA 24 PRIVATE FIRE MAINS & THEIR APPURTENANCES NFPA 25 STANDARD FOR INSPECTION, TESTING AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS NFPA 27 FIRE SPRINKLER SYSTEMS FOR FIRE PROTECTION NFPA 40 FIRE DOORS AND OTHER OPENING PROTECTIVES NFPA 90 STANDARD FOR SMOKE CONTROL SYSTEMS NFPA 92 CRITICAL RADIAN FLUX OF FLOOR COVERING SYSTEMS NFPA 2001 STANDARDS FOR PLASTIC PIPE SYSTEMS ICC 300 ICC STANDARDS ON BLEACHERS, FOLDING AND TELESCOPING SEATING, AND GRAND STANDS UL 300 FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS UL 464 FIRE ALARMS FOR RESTAURANT COOKING AREAS UL 521 AUDIBLE SIGNAL APPLIANCES UL 521 HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS <p>REFERENCE CODE SECTION FOR NFPA STANDARDS: 2022 CBC (SM) CHAPTER 35. SEE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS.</p>				<p>THE INTENT OF THIS PROJECT IS TO PROVIDE ALL THE NECESSARY WORK TO INSTALL A NEW MODULAR CLASSROOM BUILDING WITH ASSOCIATED SITE IMPROVEMENTS, AND PROVIDE ADA ACCESSIBILITY UPDATES TO PATH OF TRAVEL.</p> <p>WORK INCLUDED WILL CONSIST OF, BUT NOT BE LIMITED TO THE FOLLOWING:</p> <ol style="list-style-type: none"> BUILDING: <ul style="list-style-type: none"> A. SITE PREPARATION FOR INSTALLATION OF 72' x 40' MODULAR CLASSROOM BUILDING FROM STOCKPILE AREA B. CONCRETE FOUNDATION FOR MODULAR BUILDING C. ACCESS AND CIRCULATION VENTS AND GRATES D. THE 72' x 40' MODULAR BUILDING WILL BE PROVIDED AND SET BY THE DISTRICT'S VENDOR. BUILDING: <ul style="list-style-type: none"> A. RENOVATION OF EXISTING ALL GENDER RESTROOM IN BUILDING A B. PLAY STRUCTURES - C. OUTDOOR PLAY STRUCTURES AND ASSOCIATED SITE WORK D. OWNER FURNISHED, CONTRACTOR INSTALLED (OFCI) 	<p>CLIENT: NAME: COLTON JOINT UNIFIED SCHOOL DISTRICT ADDRESS: 11870 PIERCE STREET, SUITE 160 RIVERSIDE, CA 92505 PHONE: 951.299.4169 CONTACT: OWEN CHANG EMAIL: owner_chang@cjusd.net</p> <p>CIVIL: NAME: EPIC ENGINEERS ADDRESS: 101 EAST REDLANDS BLVD, SUITE 140 REDLANDS, CA 92373 PHONE: 909.797.3580 CONTACT: TROY MOLAUG EMAIL: troy@epicca.com</p> <p>LANDSCAPE: NAME: SILVER BAR STUDIO ADDRESS: 11870 PIERCE STREET, SUITE 160 RIVERSIDE, CA 92505 PHONE: 951.299.4169 CONTACT: CRAIG DUNCAN EMAIL: craig@silverbarstudio.com</p> <p>ARCHITECT: NAME: SGH ARCHITECTS ADDRESS: 707 BROOKSIDE AVENUE REDLANDS, CA 92373 PHONE: 909.894.3000 CONTACT: MICHAEL STEPHENS, AIA EMAIL: mstephens@sgharch.com</p> <p>TECHNOLOGY: NAME: WSP ADDRESS: 11870 PIERCE STREET, SUITE 160 RIVERSIDE, CA 92505 PHONE: 951.299.4169 CONTACT: BILL VOLLER EMAIL: bill.volter@wsp.com</p> <p>MECHANICAL: NAME: WSP ADDRESS: 11870 PIERCE STREET, SUITE 160 RIVERSIDE, CA 92505 PHONE: 951.299.4169 CONTACT: BILL VOLLER EMAIL: bill.volter@wsp.com</p>	<p>GENERAL</p> <p>G0.01 TITLE SHEET G0.02 SYMBOLS AND ABBREVIATIONS G1.01 SITE PLAN - FIRE ACCESS PLAN SUB-TOTAL: 3</p> <p>CIVIL*</p> <p>C1.01 TITLE SHEET C2.01 TOPOGRAPHIC MAP C3.01 PRECISE GRADING C4.01 COMPOSITE UTILITIES C5.01 HORIZONTAL CONTROL C6.01 DETAIL SHEET C6.02 DETAIL SHEET SUB-TOTAL: 11</p> <p>ELECTRICAL*</p> <p>E9.00 SYMBOLS LIST E1.01 SITE ELECTRICAL PLAN E1.09 SITE PHOTOMETRIC PLAN E1.11 ENLARGED SITE ELECTRICAL PLAN E1.21 ENLARGED LIGHTING AND POWER PLAN EXISTING RESTROOM - BUILDING A</p> <p>E2.00 SINGLE LINE DIAGRAM E3.01 LIGHTING FIXTURE SCHEDULE E3.11 TITLE-24 EXTERIOR E4.00 DETAILS SUB-TOTAL: 9</p> <p>LANDSCAPE*</p> <p>L1.01 IRRIGATION PLAN L2.01 PLANTING PLAN & TREE SHADING EXHIBIT SUB-TOTAL: 2</p> <p>FIRE ALARM*</p> <p>F0.00 FIRE ALARM GENERAL NOTES F0.01 FIRE ALARM DETAILS F0.02 FIRE ALARM BATTERY CALCULATIONS F1.11 ENLARGED FIRE ALARM SITE PLAN F1.21 ENLARGED FIRE ALARM PLAN EXISTING RESTROOM - BUILDING A SUB-TOTAL: 5</p> <p>ARCHITECTURAL</p> <p>A1.01 OVERALL SITE PLAN A1.10 ENLARGED SITE PLAN - DEMOLITION A2.21 STAFF RESTROOM PLANS, SECTIONS AND ELEVATIONS A10.01 DETAILS - MODULAR BUILDING FLOOR PLANS & SIGNAGE A10.11 DETAILS - SITE A10.12 DETAILS - SITE A10.51 DETAILS - EXTERIOR AND MISCELLANEOUS A10.52 DETAILS - INTERIOR METAL STUD FRAMING A10.91 DETAILS - MISCELLANEOUS SUB-TOTAL: 11</p> <p>TECHNOLOGY*</p> <p>T1.01 SITE ELECTRICAL PLAN T1.11 ENLARGED SITE ELECTRICAL PLAN T2.00 SINGLE LINE DIAGRAM T3.10 DETAILS SUB-TOTAL: 4</p> <p>MECHANICAL*</p> <p>M0.01 LEGEND AND NOTES M0.01 TITLE-24 COMPLIANCE FORMS M1.21 ENLARGED MECHANICAL PLAN EXISTING RESTROOM - BUILDING A SUB-TOTAL: 3</p>	<p>MANUFACTURED BUILDING*</p> <p>#04-124750 (1) COUNT 72'x40' CLASSROOM BUILDING</p> <p>GENERAL</p> <p>P0.00 LEGEND AND NOTES P1.01 PLUMBING SITE PLAN P1.21 ENLARGED PLUMBING PLAN EXISTING RESTROOM - BUILDING A</p> <p>PLUMBING*</p> <p>P2.00 DETAILS P2.00 ROOF P4.01 ROOF PLAN MONO SLOPE (STANDING SEAM) P4.02 ROOF DETAILS (STANDING SEAM) P4.03 ADDITIONAL OPTION DETAILS P4.04 ELECTRICAL PLAN 48x40 thru 120x40 P4.05 MECHANICAL CEILING PLAN 48x40 thru 120x40 P4.06 M7.1 P4.07 F2.10 CONCRETE FOUNDATION PLAN P4.08 F2.20 CONCRETE FOUNDATION DETAILS P4.09 F2.22 CONCRETE FOUNDATION DETAILS P4.10 F2.23 CONCRETE FOUNDATION DETAILS P4.11 S1.1 CONCR FLR FRMG PLAN 50' x 15 PSF, 100 PSF, 150 PSF P4.12 S1.2 CONCRETE DETAILS (FLOOR) P4.13 S3.03 MONO SLOPE ROOF FRMG PLAN CROSS-STRAP OPT. P4.14 S3.3 ROOF PERIMETER TRUSS SUB-TOTAL: 17</p>
<p>ACCEPTANCE TESTING</p> <p>FIRE SAFETY PLAN</p> <p>THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.</p> <p>LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).</p> <p>MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.</p> <p>ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.</p> <p>A LISTING OF CERTIFIED ATT CAN BE FOUND AT: https://www.energy.ca.gov/programs-and-topics/programs/acceptance-test-technician-certification-provider-program/acceptance</p> <p>THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER AND INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.</p> <p>PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.</p>				<p>VICINITY MAP</p> <p>LOCATION MAP</p>			
<p>DSA REGULATIONS NOTES</p> <p>STATEMENT OF GENERAL CONFORMANCE</p> <p>1. ALL WORK SHALL CONFORM TO 2022 TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR) PARTS 1 TO 6, 9 AND 12.</p> <p>2. NOT USED.</p> <p>3. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGED DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-308, PART 1, TITLE 24, CCR.</p> <p>4. ALL SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS SHALL BE CONSIDERED AS A CONSTRUCTION CHANGE DOCUMENT (CCD) OR A CONSTRUCTION DOCUMENT APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLED. SECTION 4-308, PART 1, TITLE 24, CCR, SUBSTITUTION SHALL BE FOR ANY MATERIAL, SYSTEM OR PRODUCT THAT WOULD OTHERWISE BE REGULATED BY DSA.</p> <p>5. A DSA CERTIFIED MINIMUM CLASS 3 PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.</p> <p>6. DSA ACCEPTED TESTING LABORATORY, DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.</p> <p>7. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR, SHOULD ANY EXISTING CONDITIONS SUCH AS DEFECTIVE OR NON-COMPLIANT CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE PART 1 DRAWINGS. THE PROJECT OWNER SHALL BE RESPONSIBLE FOR COMPLYING WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. SECTION 4-317(C), PART 1, TITLE 24, CCR.</p> <p>8. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.</p> <p>9. A COPY OF CCR TITLE 24, PARTS 1-6, 9 AND 12 SHALL BE KEPT ON SITE DURING CONSTRUCTION.</p> <p>10. A COPY OF THE APPROVED DRAWINGS, SPECIFICATIONS, ADDENDUMS AND CONSTRUCTION CHANGE DOCUMENTS SHALL BE KEPT ON SITE DURING CONSTRUCTION.</p> <p>11. THE CONTRACTOR SHALL MAINTAIN CONSTRUCTION SAFETY GUARDS IN ACCORDANCE WITH CHAPTER 33, PART 2 TITLE 24, CCR AND CHAPTER 33, PART 3 TITLE 24, CCR (2022 CBC).</p> <p>12. THE CONTRACTOR SHALL PROVIDE CLEAN SANITARY TEMPORARY TOILET FACILITIES FOR THE CONSTRUCTION PERSONNEL. UNDER TWO CIRCUMSTANCES SHALL CONSTRUCTION PERSONNEL BE ALLOWED TO UTILIZE THE PERMANENT SITE FACILITIES: ALL TEMPORARY FACILITIES SHALL BE REMOVED FROM THE SITE AT THE CONCLUSION OF CONSTRUCTION.</p>				<p>12/2025 11:25:17 AM C:\Users\sjh\Documents\2022\2027\07\TERRACE\TERRACE\0724750\0724750.dwg</p> <p>APPLICATION No.: 04-124750 FILE No.: 36-14</p> <p>THE DRAWINGS IDENTIFIED AS FOLLOWS:</p> <ul style="list-style-type: none"> [] ALL DRAWING SHEETS INCLUDED IN THIS SET NOT BEARING MY STAMP AND SIGNATURE [] DRAWING SHEETS DENOTED IN THE SHEET INDEX AS FOLLOWS: * [] DRAWING SHEETS INCLUDED UNDER THE FOLLOWING PC APPROVAL(S): * <p>HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND AUTHORIZED TO PREPARE SUCH DRAWINGS (PLANS) IN THIS STATE. THEY HAVE BEEN EXAMINED BY ME FOR:</p> <ol style="list-style-type: none"> DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATORS AND THE PROJECT SPECIFICATIONS PREPARED BY ME. COORDINATION WITH MY DRAWINGS (PLANS) AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT. <p>PER TITLE 24, PART 1, SECTION 4-316(B): THIS STATEMENT OF GENERAL CONFORMANCE SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-306, 4-341 AND 4-344 OF TITLE 24, CCR.</p> <p>SIGNATURE DATE</p> <p>MICHAEL STEPHENS C 26540 05/31/2027 PRINT NAME LICENSE NUMBER EXPIRATION DATE</p>			

ABBREVIATIONS

A		E		G CON	
AB	ANCHOR BOLT	E	EAST		GR
AC	ACOUSTICAL CEILING	EA	EACH		GR
AC	ASPHALT CONCRETE	EB	EXPANSION BOLT		GRC
ACC	ACCESSIBLE	EE	EACH END		GRGP
ACCB	ACCESSIBLE BENCH	EEW	EMERGENCY EYEWASH		GRS
ACST	ACOUSTIC	EEWS	EMERGENCY EYEWASH/SHOWER		GWB
ACT	ACOUSTIC CEILING TILE	EF	EACH FACE		GYP
AD	ACCESS DOOR	EF	EXHAUST FAN		
AD	AREA DRAIN	EH	ELECTRICAL HEATER		
ADDN	ADDITION OR ADDITIONAL	EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	<u>H</u>	
ADJ	ADJUSTABLE	EJ	EXPANSION JOINT	H	
ADJT	ADJACENT	EL	ELEVATION	HB	
ADMIN	ADMINISTRATION	ELAS	ELASTOMERIC	HC	
AFF	ABOVE FINISH FLOOR	ELEC	ELECTRIC(AL)	HD	
ALT	ALTERNATE	ELEV	ELEVATOR	HDBD	
ALUM	ALUMINUM	EMER	EMERGENCY	HDR	
ANCH	ANCHOR	ENCL	ENCLOSURE	HDWD	
AP	ACCESS PANEL	ENTR	ENTRANCE	HDWF	
APC	ACOUSTICAL PANEL CEILING	ERF	EPOXY RESIN FLOORING	HM	
APPROX	APPROXIMATE	EQ	EQUAL	HORIZ	
ARCH	ARCHITECTURAL	EQUIP	EQUIPMENT	HR	
ASPH	ASPHALT	ES	EMERGENCY SHOWER	HR	
AV	AVERAGE	ES	EXTRA STRONG	HS	
AWP	ACOUSTICAL WALL PANEL	EST	ESTIMATE	HSS	
		EW	EACH WAY	HSTR	
B		F		I	
BCMU	BURNISHED CONCRETE MASONRY UNIT	EWC	ELECTRIC WATER COOLER	HT	
BD	BOARD	EWH	ELECTRIC WATER HEATER	HTR	
BET	BETWEEN	EWT	ENTERING WATER TEMPERATURE	HW	
BFP	BACKFLOW PREVENTOR	EXC	EXCAVATE	I	
BFR	BELOW FLOOR	EXH	EXHAUST	IAW	
BL	BUILDING LINE	EXIST	EXISTING	IC	
BLDG	BUILDING	EXP	EXPANSION	ID	
BLK	BLOCK	EXP	EXPOSED	IE	
BLKG	BLOCKING	EXT	EXTERIOR	IF	
BM	BEAM			IJ	
BM	BENCH MARK	F	FIRELINE	IN	
BOF	BOTTOM OF FOOTING	FA	FIRE ALARM	INC	
BOTT	BOTTOM	FAB	FABRICATED	INSUL	
BRKT	BRACKET	FB	FACE BRICK	INT	
BSMT	BASEMENT	FC	FOOT CANDLE		
BUR	BUILT UP ROOFING	FCMU	FLUTED CONCRETE MASONRY UNIT	<u>J</u>	
		FCO	FLOOR CLEAN OUT	JAN	
		FCU	FAN COIL UNIT	JST	
		FD	FIRE DAMPER	JFB	
		FD	FLOOR DRAIN	JT	
		FDC	FIRE DEPARTMENT CONNECTION		
		FDN	FOUNDATION	K	
		FE	FIRE EXTINGUISHER	KCJ	
		FEC	FIRE EXTINGUISHER CABINET	KCP	
		FF	FINISH FLOOR	KD	
		FFE	FINISH FLOOR ELEVATION	KH	
		FH	FIRE HYDRANT		
CLOS	CLOSET	FHC	FIRE HOSE CABINET	<u>L</u>	
CLR	CLEAR	FIG	FIGURE	L	
CM	CEILING MOUNTED	FIN	FINISH	LAM	
CMU	CONCRETE MASONRY UNIT	FIX	FIXTURE	LAV	
CO	CLEAN OUT	FL	FLOOR	LB	
COL	COLUMN	FLASH	FLASHING	LBR	
COMP	COMPOSITE	FLEX	FLEXIBLE	LBS	
COMPR	COMPRESSIBLE	FLG	FLOORING	LDG	
CONC	CONCRETE	FLM	FULL LENGTH MIRROR	LF	
CONF	CONFERENCE	FM	FIRE MAIN	LG	
CONN	CONNECTION	FO	FACE OF	LIN	
CONST	CONSTRUCTION	FO	FINISH OPENING	LINO	
CONT	CONTINUOUS	FOC	FACE OF CONCRETE	LKR	
CONTR	CONTRACTOR OR CONTRACT	FOF	FACE OF FINISH	LH	
CORR	CORRIDOR	FOM	FACE OF MASONRY	LLV	
CP	COVER PLATE	FOR	FUEL OIL RETURN	LOC	
CPT	CARPET	FOS	FACE OF STUD	LONG	
CR	CORROSION RESISTANT	FOS	FUEL OIL SUPPLY	LOX	
CS	COUNTERSINK	FOV	FUEL OIL VENT	LS	
CSK	COUNTERSUNK	FOW	FACE OF WALL	LSC	
CSTJ	CONSTRUCTION JOINT	FP	FIREPROOFING	LT	
CSWK	CASEWORK	FR	FIRE RESISTIVE	LTG	
CT	CERAMIC TILE	FR	FRAME	LV	
CTR	CENTER	FRP	FIBERGLASS REINFORCED PANEL	LW	
CW	COLD WATER	FS	FLOOR SINK		
CY	CUBIC YARD	FSD	FIRE/SMOKE DAMPER	<u>M</u>	
		FSS	FOLDING SHOWER SEAT	MAC	
		FT	FEET (FOOT)	MAINT	
D	DEPTH	FTG	FOOTING	MAN	
DBL	DOUBLE	FUT	FUTURE	MAS	
d	PENNY (AS NAIL 10D)	FVC	FIRE VALVE CABINET	MATL	
DEG	DEGREE	FWC	FABRIC WALL COVERING	MAX	
DEPT	DEPARTMENT			MB	
DF	DRINKING FOUNTAIN	G		MB	
DG	DOOR GRILLE	G	GRILLE	MBD	
DIA	DIAMETER	GA	GAUGE	MECH	
DIAG	DIAGONAL	GALV	GALVANIZED	MEMB	
DIFF	DIFFUSER	GB	GRAB BAR	MET	
DIM	DIMENSION	GC	GENERAL CONTRACTOR	MEZZ	
DN	DOWN	GCMU	GLAZED CONCRETE MASONRY UNIT	MFR	
DN	DOWNSPOUT NOZZLE	GD	GARBAGE DISPOSAL	MFRG	
DO OR "	DITTO	GEN	GENERAL	MH	
DPFG	DAMPROOFING	GEN	GENERATOR	MH	
DR	DOOR	GFA	GROSS FLOOR AREA	MIN	
DR	DRAIN	GFI	GROUND FAULT INTERRUPTER	MISC	
DS	DOWNSPOUT	GFRC	GLASS FIBER REINFORCED CONCRETE	MLDG	
DSA	DEPARTMENT OF STATE ARCHITECT	GI	GALVANIZED IRON	MLWK	
DTL	DETAIL	GL	GLUE LAMINATED	MO	
DW	DISHWASHER	GL	GLASS	MR	
DWG	DRAWING	GMU	GLASS MASONRY UNIT	MR/S	
DWL	DOWEL	GOVT	GOVERNMENT	MTD	
DWR	DRAWER	GR	GUAD RAIL	MTG	

GENERAL NOTES

CONSTRUCTION DOCUMENT NOTES:

1. THE GENERAL CONTRACTOR SHALL CAREFULLY REVIEW AND COMPARE THE CONTRACT DOCUMENTS PRIOR TO CONSTRUCTION AND SHALL AT ONCE REPORT TO THE ARCHITECT ANY ERROR, INCONSISTENCY, OR OMISSION THE CONTRACTOR MAY DISCOVER. IF THE CONTRACTOR PERFORMS ANY WORK KNOWING IT TO BE CONTRARY TO APPLICABLE LAWS, ORDINANCES, RULES AND REGULATIONS WITHOUT PRIOR NOTICE TO THE ARCHITECT, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY, AND SHALL BEAR ALL COSTS ATTRIBUTABLE THERETO FOR CORRECTION OF THE WORK.
2. CONTRACTOR SHALL REVIEW CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS FOR ACCURACY AND CONSTRUCTABILITY.
3. CONTRACTOR SHALL VERIFY ALL CONDITIONS AT THE SITE BEFORE STARTING ANY WORK AND REPORT FOR CLARIFICATION ANY DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
4. THE CONSULTING ENGINEERS' DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. SHOULD THERE BE A DISCREPANCY BETWEEN THE ARCHITECTURAL DRAWINGS AND THE CONSULTING ENGINEERS' DRAWINGS, SUCH DISCREPANCY IS TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO INSTALLATION OF SAID WORK. ANY WORK INSTALLED IN CONFLICT WITH THE DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT CONTRACTORS EXPENSE.
5. NOTWITHSTANDING ANY OMISSIONS, IT SHALL BE THE SOLE DUTY AND RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE ACTUAL CONSTRUCTION DETAILS AND FABRICATE AND INSTALL SAID DESIGN IN ACCORDANCE WITH ACCEPTED BEST PRACTICES AND PROCEDURES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION AND COORDINATION WITH OTHER TRADES AND THEIR WORK FOR COMPLIANCE WITH THE DRAWINGS AND SPECIFICATIONS.
7. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE ALL WORK WITH THE SUBCONTRACTORS. IF A PORTION OF WORK FOR A SPECIFIC TRADE APPEARS IN A SECTION OF THESE DOCUMENTS OTHER THAN THAT WHICH IS SPECIFIC TO THAT TRADE, IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE SAID TRADE OF SUCH WORK.
8. CONTRACTOR TO COORDINATE WITH N.I.C. EQUIPMENT CONTRACTOR(S) BEFORE STARTING WORK ADJACENT TO N.I.C. EQUIPMENT SHOWN ON DRAWINGS. VERIFY THAT ALL ITEMS (SUCH AS BELOW FLOOR PIPING AND ELECTRICAL CONDUITS, INSERTS, PIT AND PLATFORM, SIZES AND LOCATIONS, ETC.) HAVE BEEN PROVIDED AND INSTALLED AS REQUIRED FOR OPERATION OF THIS EQUIPMENT. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING WORK.
9. VERIFY LOCATION AND SIZE OF OPENINGS, BLOCKING, INSERTS, AND EMBEDDED ITEMS ON APPLICABLE SHOP DRAWINGS BEFORE STARTING WORK.
10. CONTRACTOR SHALL COORDINATE WITH ALL EQUIPMENT MANUFACTURERS FOR EQUIPMENT ROUGH-IN REQUIREMENTS.
11. CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF ALL OPENINGS FOR MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT WITH RESPECTIVE SUBCONTRACTORS.
12. THE GENERAL CONTRACTOR SHALL COORDINATE CUTOUTS FOR CASEWORK, MILLWORK, OR OTHER EQUIPMENT AS REQUIRED.
13. ALL ASPECTS OF THE WORK AND ITEMS NOT SPECIFICALLY MENTIONED, BUT WHICH ARE NECESSARY TO MAKE A COMPLETE WORKING INSTALLATION, SHALL BE INCLUDED, AND INDICATED IN THE CONTRACTORS BID.
14. THE USE OF THE WORD "PROVIDE" IN CONNECTION WITH ANY ITEM SPECIFIED, IS INTENDED TO MEAN THAT SUCH SHALL BE FURNISHED, INSTALLED COMPLETE, CONNECTED AND TESTED FOR PROPER OPERATION WHERE SO REQUIRED.
15. PROVIDE ALL PERTINENT SHOP DRAWINGS FOR APPROVAL IN ADVANCE OF FABRICATION AND INSTALLATION ALLOWING SUFFICIENT TIME FOR REVIEW AND CORRECTIVE ACTIONS SHOULD IT BE REQUIRED. SUBMIT CUT SHEETS OF ALL FIXTURES, EQUIPMENT AND SAMPLES OF ALL FINISHES SPECIFIED FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION.
16. PRIOR TO SUBMITTAL OF BID, NOTIFY ARCHITECT IN WRITING, IF ANY SPECIFIED MATERIALS OR EQUIPMENT ARE EITHER UNAVAILABLE OR WILL CAUSE A DELAY IN THE CONSTRUCTION COMPLETION
17. ARCHITECT SHALL SUPPLY
18. DO NOT SUBMIT ARCHITECTURE
19. LARGER SCAFFOLDING NOTIFY ARCHITECT
20. DETAILS AND
21. WHEN +/- ACTUAL DIMENSIONS PROCEEDED DIMENSIONS PROCEEDED
22. THE ARCHITECT INCLUDES REMOVAL OF CONSULTANT SERVICES
23. NO PROBLEMS WITH WORK.
24. MAKE NEEDS IMPROVEMENTS DAMAGE TEMPORARILY OF THE EQUIPMENT VERIFY EQUIPMENT COORDINATE ETC., LEADERSHIP SHALL BE PROVIDED
25. NEITHER CONTRACTOR NOR BRANCHES FEDERAL CONTRACTOR
26. THE GENERAL CONTRACTOR BE RESPONSIBLE NOT LIMITING WHICH MANUFACTURERS WALKWAYS AND CONTROL
27. CONTRACTOR REQUIREMENTS
28. CONTRACTOR REQUIREMENTS BARRICADES
29. THE CONTRACTOR WHETHER THEIR WORK
30. THE CONTRACTOR AND SAFETY
31. CONTRACTOR DEBRIS, F

GRADE
GRILLE
GLASS REINFORCED
SS REINFORCED GYPSUM
GALVANIZED RIGID ST
SUM WALL BOARD
GYPSUM

HEIGHT
HOSE BIB
HOLLOW CORE
HAND DRYER OR HAIR
DBOARD
HEADER
DWOOD
DWARE
HOLLOW METAL
IZONTAL
HANDRAIL
HOUR
HEADSTUD
HOLLOW STRUCTURA
H STRENGTH
HEIGHT
HEATER
DOMESTIC HOT WATE

IN ACCORDANCE WITH
INTERCOM
INSIDE DIAMETER
INVERT ELEVATION
INSIDE FACE
ISOLATION JOINT
INCH
INCLUDE (ING)
ULATION
INTERIOR

JANITOR
JOIST
JOINT FILLER BOARD
JOINT

KEYED CONSTRUCTION
KEENE'S CEMENT PL
KNOCKDOWN
KITCHEN HOOD

ANGLE
LAMINATE(D)
LAVATORY
POUND
LUMBER
POUNDS
LOADING
LINEAR FOOT (FEET)
LENGTH (LONG)
LINEAR
OLEUM
LOCKER
LONG LEG HORIZONTAL
LONG LEG VERTICAL
LOCATION
GITAL
LIQUID OXYGEN
LAWN SPRINKLER
LIFE SAFETY CODE
LIGHT
LIGHTING
LOUVER
LONG WAY

MACHINE
NTENANCE
MANUAL
MASONRY
ERIAL
MAXIMUM
MACHINE BOLT
MOP BASIN
MARKER BOARD
HICAL
IRBANE
METAL
ZANINE
MANUFACTURER
UFACTURING
MANHOLE
MOP HOLDER
MINIMUM
CELLANEOUS
DING
WORK
MASONRY OPENING
MIRROR
ROR WITH SHELF
MOUNTED
MOUNTING
METAL

NOT RESPONSIBLE FOR THE ACCURACY OF INFORMATION CONTAINED IN OWNMENTS.

DRAWINGS. IN CASE OF DISCREPANCIES, OBTAIN CLARIFICATION FROM THE

DRAWINGS TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS, CONTRACT OF DISCREPANCIES.

IT INTENDED TO SHOW METHOD AND MANNER OF ACCOMPLISHING WORK.

WHEN V.I.F. ABBREVIATION IS ADJACENT TO A GIVEN DIMENSION, IT INDICATES THAT DIMENSION MIGHT VARY DUE TO EXISTING CONDITIONS. VERIFY DIMENSIONS BEFORE COMMENCING THE WORK; DISCREPANCIES BETWEEN THE NOTED DIMENSIONS AND ACTUAL DIMENSIONS ARE TO BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR RESOLUTION BEFORE COMMENCING THE WORK.

MATERIAL NOTES:

OWNER ASSUMES NO RESPONSIBILITY RELATING TO ANY HAZARDOUS OR TOXIC MATERIALS, AND ASSUMES NO RESPONSIBILITY FOR VERIFYING ITS EXISTENCE OR QUANTITY. OWNER/TENANT SHALL TAKE ACTION FOR DIRECTLY CONTRACTING WITH A SPECIALIST FOR SUCH, LICENSED BY THE STATE OF CALIFORNIA, SHOULD THE SAME BE REQUIRED ON THE PROJECT.

CONTAINING ASBESTOS OR LEAD IN ANY FORM SHALL BE USED ON ANY PART OF THE PROJECT.

NOTES:

OWNER SHALL TAKE NECESSARY PROVISIONS TO PROTECT EXISTING CONSTRUCTION AND BUILDING EXTERIOR, CONCRETE SIDEWALKS CURBS. ETC., AND UPON COMPLETION OF WORK RELATED TO THE PROJECT, DUST AND DIRT MAY OCCUR DURING CONSTRUCTION. MAKE NECESSARY PROVISIONS TO INCORPORATE TIGHT PARTITIONS TO PREVENT SPREAD OF DUST AND DIRT TO INHABITED AREAS. PROTECT EXISTING CONSTRUCTION AND BUILDINGS AND PROTECT EXISTING FACILITIES ON AND ADJACENT TO THE SITE. COMMUNICATE WITH CONSULTANT'S CONTRACT LOCATIONS AND REQUIREMENTS WITH CONSULTANT'S DRAWINGS AND CONTRACT DOCUMENTS. REMOVE AND LEGALLY DISPOSE OF DEBRIS, RUBBISH AND DIRT. MAKE WORK AREA CLEAR AND BROOM CLEAN READY FOR WORK. ROUTE FOR RUBBISH DISPOSAL TO BE DETERMINED BY OWNER.

OWNER NOR THE ARCHITECT SHALL ENFORCE SAFETY MEASURES OR REGULATIONS. OWNER SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES DURING SHOT BLASTING AND SHALL SOLELY BE RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH REGULATIONS, STANDARDS AND LAWS.

CONTRACTOR AND SUBCONTRACTORS PERFORMING WORK ON THE PREMISES SHALL BE RESPONSIBLE FOR MAINTAINING AND SUPERVISING THEIR SAFETY PROGRAM, INCLUDING, BUT NOT LIMITED TO, THE ISOLATION OF WORK AREAS AND THE PROMPT REMOVAL OF DEBRIS OR DUST. PROTECT DANGER VISITORS, PATIENTS OR EMPLOYEES OF THE FACILITY. ALL ROADS AND WALKWAYS SHALL REMAIN UNOBSTRUCTED. WHEN NECESSARY, ALTERNATE ROUTES OF TRAVEL SHALL BE MAINTAINED, SHOULD UNSAFE CONDITIONS OCCUR.

CONTRACTOR SHALL PROVIDE BARRICADES AROUND ALL NEW AND EXISTING OPENINGS WHERE NECESSARY FOR SAFETY.

CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY BARRICADES, CLOSURE WALLS, ETC., TO PROTECT THE PUBLIC DURING THE PERIOD OF CONSTRUCTION. CONSTRUCTION WALLS SHALL BE EQUAL TO RATING OF THE WALL REPLACED.

CONTRACTOR SHALL BE RESPONSIBLE FOR CONTINUOUS CLEAN UP OF THE SITE OF ALL DUST PRODUCED BY HIS WORK OR THE FAILURE OF HIS SUB-CONTRACTORS TO CLEAN UP.

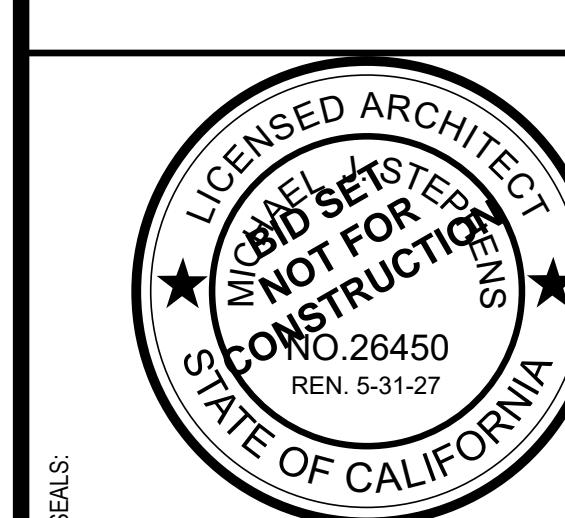
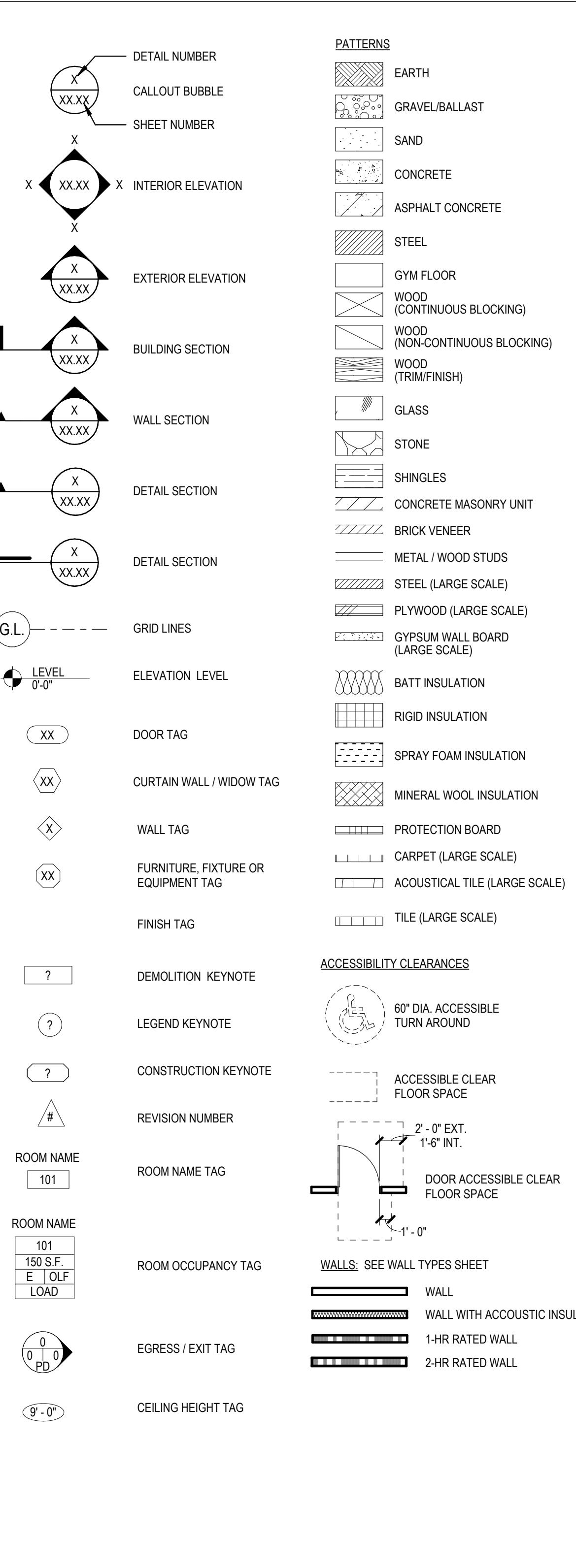
CONTRACTOR SHALL MAINTAIN EQUIPMENT, MATERIALS AND WORK IN A NEAT, CLEAN, ORDERLY CONDITION AT ALL TIMES.

CONTRACTOR SHALL KEEP SITE AND BUILDING CLEAN, HAZARD FREE AND DISPOSE OF ALL DUST, DIRT, ETC. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS.

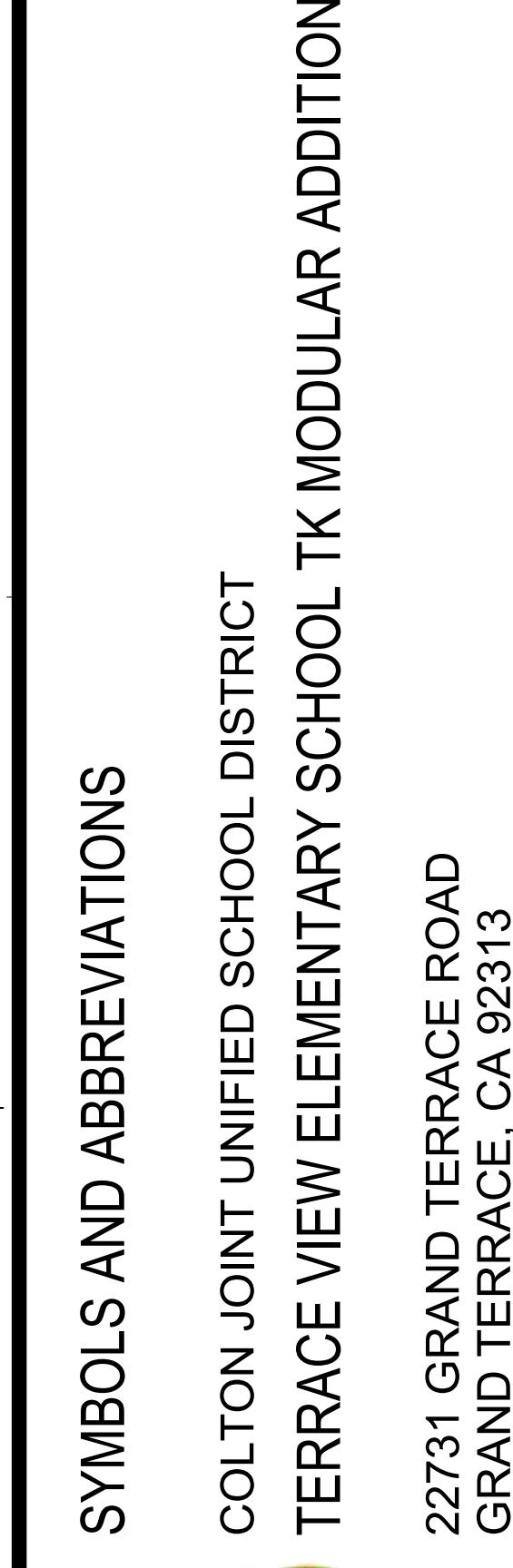
<u>S CONTINUED</u>	
SD	SOAP DISPENSER
SD	SMOKE DAMPER
SD	SMOKE DETECTOR
SD	STORM DRAIN
SEC	SECONDARY
SECT	SECTION
SECY	SECRETARY
SF	SQUARE FOOT
SFCMU	SPLIT-FACED CONCRETE MASONRY U
SGL	SINGLE
SH	SHOWER
SHEATH	SHEATHING
SHM	SECURITY HOLLOW METAL
SHT	SHEET
SIM	SIMILAR
SL	SHORT LEG
SLNT	SEALANT
SM	SHEET METAL
SM	SPRINKLER MAIN
SND	SANITARY NAPKIN DISPOSAL
SNV	SANITARY NAPKIN VENDOR
RACTOR INSTALLED	SPECIFICATIONS
R INSTALLED	SPECIAL
	SPL BLK SPLASH BLOCK
	SQ SQUARE
	SS SERVICE SINK
	SS SOLID SURFACE
	SST STAINLESS STEEL
	ST STAIR
	STAG'D STAGGERED
	STD STANDARD
	STL STEEL
	STOR STORAGE
	STR STRUCTURAL - STRUCTURE
	SUBFL SUBFLOOR
	SURF SURFACE
	SUSP SUSPENDED
	SV SHEET VINYL
	SYM SYMMETRICAL
<u>I</u>	
T	TEMPERED
T	THERMOSTAT
T & B	TOP & BOTTOM
T & G	TONGUE & GROOVE
T	TREAD
TA	TRANSFER AIR
TAN	TANGENT
TB	TOWEL BAR
TBD	TACK BOARD
TC	TEMPERATURE CONTROL
TC	TIME CLOCK
TD	TRENCH DRAIN
TEL	TELEPHONE
TEMP	TEMPERED - TEMPORARY
TERR	TERRAZZO
TEXT	TEXTURED
TH	THRESHOLD
TH	TOWEL HOOK
THK	THICKNESS
TMR	TIFF MIRROR UNIT
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOIL	TOILET
TOP	TOP OF PAVING
TOS	TOP OF STEEL
TOW	TOP OF WALL
TPV	TRAP PRIMER
TR	TRIP
TRANS	TRANSVERSE
TRD	TREAD
TT	TERRAZZO TILE
TTD	TOILET TISSUE DISPENSER
TV	TELEVISION / MONITOR
TW	TACK WALL
TYP	TYPICAL
<u>U</u>	
U	URINAL
UL	UNDERWRITERS LABORATO
UNEX	UNEXCAVATED
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
US	UTILITY SHELF
UTIL	UTILITY
<u>V</u>	
V	VENT
VAV	VARIABLE AIR VOLUME
VB	VAPOR BARRIER
VB	VINYL BASE
VCB	VENTED COVE BASE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VF	VINYL FLOOR
VP	VENEER PLASTER
VT	VINYL TILE
VTR	VENT THROUGH ROOF
VWC	VINYL WALLCOVERING
<u>W</u>	
W	WATER SERVICE
W	WIDE; WIDTH

32. CONTRACTOR SHALL LEAVE WORK / PROJECT AREA IN A SECURE CONDITION DURING PERIOD OF THIS WORK WHEN WORKERS ARE NOT ON THE PROJECT SITE.
33. CONTRACTOR TO SCHEDULE CONSTRUCTION ACTIVITIES TO HAVE THE LEAST IMPACT ON EXISTING BUILDING FUNCTIONS. THIS INCLUDES RESTRICTING TYPICAL DEMOLITION AND CONSTRUCTION ACTIVITIES TO THE HOURS DESIGNATED BY THE OWNER. CERTAIN ACTIVITIES SUCH AS THE USE OF JACKHAMMERS ON EXISTING BUILDINGS WILL NEED TO BE SCHEDULED AT SPECIAL TIMES. CONTACT THE OWNER FOR SCHEDULING OF ALL ACTIVITIES.
34. THE GENERAL CONTRACTOR SHALL MAKE SPECIAL PROVISIONS FOR NOISE AND DUST CONTROL SO AS NOT DISRUPT EXISTING ADJACENT OCCUPIED AREA.
35. THE CONTRACTOR SHALL COOPERATE WITH OWNER AS REQUIRED TO MINIMIZE INTERFERENCE WITH AND DISRUPTION OF OWNER ACTIVITIES.
36. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER REGARDING SITE ACCESS, STAGING AREAS, USE OF SITE, USE OF UTILITY SERVICES AND FACILITIES.
37. CONTRACTOR SHALL MAINTAIN FIRE LANES, PEDESTRIAN AND VEHICULAR ACCESS, FIRE PROTECTIVE DEVICES AND ALARMS DURING CONSTRUCTION.
38. DO NOT STORE MATERIALS ON ANY FLOOR OR ROOF IN EXCESS OF ALLOWABLE LOAD.
39. ALL EXITS MUST BE CONTINUOUS AND TERMINATE IN A PUBLIC WAY OR EXIT COURT LEADING TO A PUBLIC WAY OR AN APPROVED AREA OF REFUGE.
40. WHENEVER THE BUILDING IS OCCUPIED, EXIT SIGNS SHALL BE ILLUMINATED SO THAT THEY ARE CLEARLY VISIBLE.
41. PROVIDE PORTABLE FIRE EXTINGUISHERS AT EACH FIRE EXTINGUISHER CABINET AS SHOWN ON DRAWINGS. ADDITIONAL FIRE EXTINGUISHERS AS REQUIRED BY FIRE DEPARTMENT OR STATE FIRE MARSHALL FIELD INSPECTORS ARE N.I.C.
42. GENERAL CONTRACTOR IS TO MAKE EXACT DETERMINATIONS AS TO THE LOCATION OF ALL EXISTING UTILITIES. DO NOT BEGIN WORK UNTIL THIS DETERMINATION HAS BEEN MADE. CONTRACTOR IS FULLY RESPONSIBLE FOR DAMAGE CAUSED BY FAILURE TO LOCATE AND PROTECT UTILITIES.
43. PROVIDE RE-ROUTING OF EXISTING UTILITIES SERVING OCCUPIED AREAS AS REQUIRED TO MAINTAIN OPERATIONS.
44. SUPPLY TEMPORARY ELECTRICAL POWER TO THE JOB SITE FOR USE BY ALL CONSTRUCTION TRADES PRIOR TO CONNECTION OF THE SPECIFIED ELECTRICAL WORK.
45. NOTIFY OWNER AT LEAST SEVENTY-TWO HOURS PRIOR TO DISRUPTION OF UTILITIES.
46. PATCH SURFACES WHERE AFFECTED BY INSTALLATION OF NEW MECHANICAL, ELECTRICAL AND STRUCTURAL ITEMS. MATCH EXISTING ADJACENT SURFACES AND FINISHES EXCEPT WHERE OTHERWISE NOTED OR INDICATED.
47. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING AS REQUIRED TO COMPLETE THE WORK OR TO MAKE ITS PARTS FIT TOGETHER PROPERLY. PATCHING OF FINISHED WORK ALREADY INSTALLED AS A RESULT OF ERRORS, CHANGES OR OTHER REASONS IS ALSO THE CONTRACTOR'S RESPONSIBILITY. THE REFINISHED SURFACES SHALL MATCH THE ADJACENT SURFACES FOR COLOR, TEXTURE AND MATERIAL.
48. WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWER-DRIVEN PINS IN EXISTING NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING THEM INTO EXISTING PRESTRESSED CONCRETE (PRE OR POST-TENSIONED) LOCATE THE PRESTRESSED TENDON BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.
49. PATCH AND REPAIR EXISTING FIRE-RATED ASSEMBLIES DAMAGED DURING DEMOLITION TO MAINTAIN RATED ASSEMBLY.
50. ALL PENETRATIONS THROUGH FIRE RATED WALLS AND SHAFTS SHALL BE EQUIPPED WITH DAMPERS, SEALANTS, OR OTHER APPROPRIATE AND APPROVED U.L. LISTED ASSEMBLIES, MATERIALS AND

GENERAL SYMBOLS



SEALS:

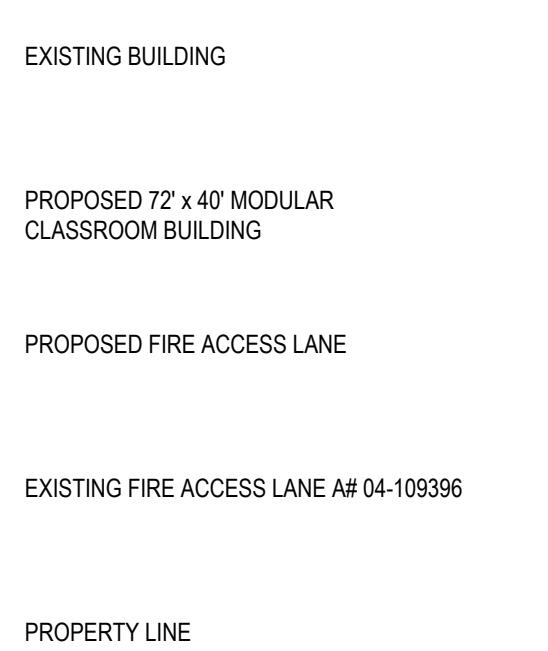


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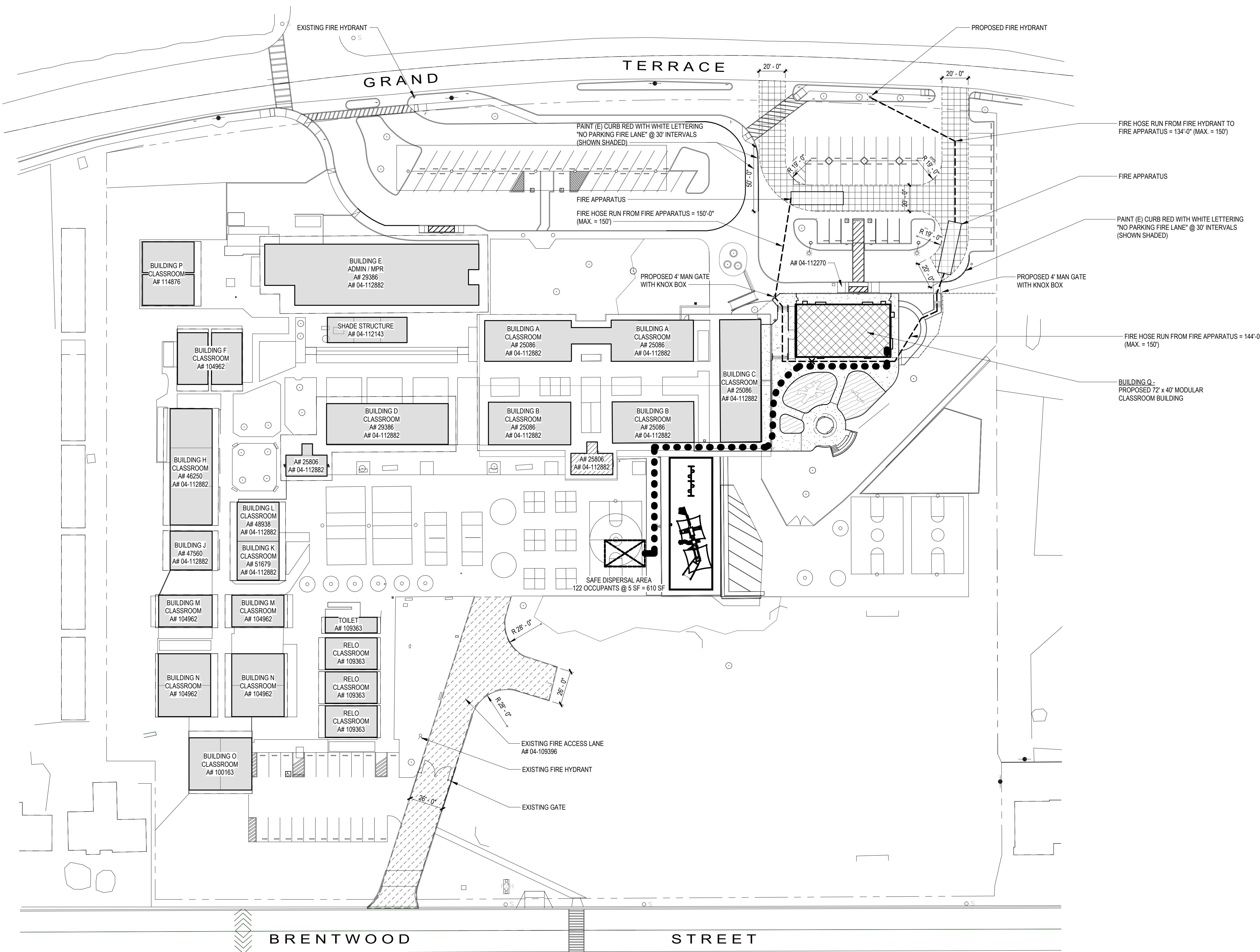
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ARCHITECTS

SITE PLAN LEGEND



CONSULTANT:



ADSA

810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply. Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy PL 09-01: Fire Flow for Buildings.

PROJECT INFORMATION

School District/Owner: Colton Joint Unified School District

Project Name/School: Terrace View Elementary School

Project Address: 22731 Grand Terrace Road Grand Terrace, CA 92313

FIRE & LIFE SAFETY INFORMATION

1. Has a fire hydrant flow test been performed within the past 12 months? Yes No

(If yes, provide a copy of the test data.)

2. Was the fire hydrant water flow test performed as part of this LFA review? Yes No

3. Is the project located within a designated fire hazard severity zone (FHSZ) as established by CalFire? (If yes, indicate FHSZ classification below.)

Refer to the following website for FHSZ locations:
<http://cgsis.fire.ca.gov/FHSZ/>

Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)

WIFA Moderate High Very High

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DSA 810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

CONDITION MEANS AND METHODS RESOLUTION		ALTERNATE ACCEPTED			
4.	Emergency vehicle access roadways do not meet CFC requirements.	Yes	No	N/A	N/R
4a.	Acceptable Alternate: Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.				
5.	Fire Hydrants: Number and spacing does not meet CFC requirements.				
5a.	Acceptable Alternate: Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.				
6.	Fire Hydrants: Water flow and pressure are less than CFC minimum.				
6a.	Acceptable Alternate: The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				
7.	Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.				
7a.	Acceptable Alternate: The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.				

School District Acceptance of Acceptable Design Alternatives

By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated in items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.

Accepted by: _____ Title: _____

Signature: _____ Date: _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION

LFA Agency Name: _____

LFA Review Official: _____

Title: _____ Work Phone: _____

Work Email: _____

LFA Reviewer's Signature: _____ Date: _____

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GRADING GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE CALIFORNIA BUILDING CODE, AND THE PRELIMINARY GEOTECHNICAL INVESTIGATION PREPARED BY JOHN R. BYERLY FIR No. S-14681 DATED MAY 16, 2024. ALL CONTRACTORS AND SUBCONTRACTORS SHALL FOLLOW THE REQUIREMENTS OF THE CALIFORNIA BUILDING CODE AND THE PRELIMINARY GEOTECHNICAL INVESTIGATION PREPARED BY JOHN R. BYERLY FIR No. S-14681 DATED MAY 16, 2024. CONTRACTORS AND SUBCONTRACTORS SHALL NOT USE ANY SUBJECT MATTER, THE ENGINEER OF RECORD AND/OR THEIR REPRESENTATIVE WILL DETERMINE WHICH SPECIAL REQUIREMENT AND/OR CODE WILL GOVERN.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING AND DISPOSAL OF THE PROPOSED WORK AREA.

3. DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS IN ACCORDANCE WITH CITY, COUNTY, AND STATE ORDINANCES AND STATUTES.

4. NO FILL SHALL BE PLACED ON THE EXISTING GROUND UNTIL THE GROUND HAS BEEN CLEARED OF WEEDS, DEBRIS, TOPSOIL, DELETERIOUS MATERIAL AND PREPARED FOR THE PROJECT SPECIFICATIONS AND GEOTECHNICAL REPORT.

5. CUT AND FILL SLOPES SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL, ANY CUT SLOPES THAT IS NOT STABLE SHALL BE OVEREXCAVATED AND RECOMPACTED AS INDICATED BY PROJECT SPECIFICATIONS AND GEOTECHNICAL REPORT.

6. FILLS SHALL BE COMPACTED THROUGHOUT TO 90% OF THE MAXIMUM DENSITY AS DETERMINED BY ASTM D1557-12 AND CERTIFIED BY THE GEOTECHNICAL ENGINEER.

7. AREAS TO RECEIVE FILL SHALL BE PROPERLY PREPARED AND APPROVED BY THE GEOTECHNICAL ENGINEER OR THEIR REPRESENTATIVE PRIOR TO THE PLACEMENT OF FILL.

8. ALL EXISTING FILLS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER AND STATE INSPECTOR OR THEIR REPRESENTATIVE BEFORE ANY ADDITIONAL FILLS ARE ADDED.

9. THE EXISTING IRRIGATION LINES AND CISTERS SHALL BE REMOVED, BACKFILLED, AND APPROVED BY THE GRADING INSPECTOR AND GEOTECHNICAL ENGINEER.

10. SLOPES EXCEDING FIVE FEET IN HEIGHT MUST BE PLANTED WITH AN APPROVED IRRIGATION SYSTEM UNLESS OTHERWISE NOTED IN LANDSCAPE ARCHITECT'S PLANS.

11. THE STOCKPILING OF EXCESS MATERIAL SHALL BE APPROVED BY THE OWNER IF IT IS TO BE ON SITE AND THE AGENCY WITH JURISDICTION IF IT IS TO BE OFF SITE.

12. TRENCH BACKFILLS SHALL BE TESTED AND APPROVED BY THE SITE GEOTECHNICAL ENGINEER AND PER THE APWA.

13. ALL CUT SLOPES SHALL BE INVESTIGATED DURING AND AFTER GRADING BY AN ENGINEERING GEOLOGIST TO DETERMINE IF ANY SLOPE STABILITY PROBLEM EXISTS. SHOULD EXCAVATION DISCLOSE ANY GEOLOGICAL HAZARDS OR IF THE EXCAVATION EXPOSES A HAZARD, THE ENGINEERING GEOLOGIST SHALL RECOMMEND NECESSARY TREATMENT TO THE PROJECT ARCHITECT FOR APPROVAL.

14. WHEN CUT PADS ARE BROUGHT TO NEAR GRADE, THE ENGINEERING GEOLOGIST SHALL DETERMINE IF THE BEDROCK IS EXTENSIVELY FRACUTRED 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 COULD CLEAR GASE, OR WHETHER THE DENSITY DETERMINATIONS SHALL BE PERFORMED IN THE FIELD. DENSITY DETERMINATIONS SHALL BE PERFORMED TO VERIFY THE ACCURACY OF THE MAXIMUM DENSITY CURVES USED BY THE FIELD TECHNICIAN.

16. SANITARY FACILITIES SHALL BE MAINTAINED ON THE SITE.

17. THE LOCATION AND PROTECTION OF ALL UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.

18. ALL EXISTING DRAINED 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 EXISTING DRAINED COURSES. THE CONTRACTOR SHALL NOT DAMAGE THE EXISTING DRAINED COURSE AND THE OWNER/DEVELOPER SHALL BE HELD LIABLE FOR ANY DAMAGE DUE TO OBSTRUCTING NATURAL DRAINAGE PATTERNS.

19. ANY WATER HEADS SHALL BE ABANDONED IN COMPLIANCE WITH THE COUNTY STANDARDS AND IN ACCORDANCE WITH THE STATE DEPARTMENT OF WATER RESOURCES.

20. ANY EXISTING SEWERS, CESSPOOLS, AND SEPTIC TANKS OR OTHER SEWAGE DISPOSAL FACILITIES SHALL BE ABANDONED IN COMPLIANCE WITH THE CALIFORNIA PLUMBING CODE AND TO THE APPROVAL OF THE GEOTECHNICAL ENGINEER AND GRADING INSPECTOR.

21. EXPORT SOILS MUST GO TO A LEGAL DUMP SITE OR TO A PERMITTED SITE APPROVED BY THE 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 WITHIN THE PUBLIC RIGHT-OF-WAY DURING THE TRANSPORTATION OF SAWDUST OR EQUIPMENT ASSOCIATED WITH THE PROJECT SHALL BE CLEANED OR REMOVED DAILY.

24. ACCESS RAMPS OVER DURB AND BUTTER TO CONSTRUCTION SITE ARE NOT ALLOWED; WHEN NECESSARY FOR ENTRY INTO SUCH CONSTRUCTION SITES, ASPHALT RAMPS WITH A MINIMUM DIAMETER 12" WILL BE CONSTRUCTED TO CONVEY GUTTER DRAINAGE, GRAVEL, SOIL OR OTHER MATERIAL CARRIED INTO THE ROADWAY BY CONTRACTORS PERSONNEL OR EQUIPMENT WILL BE CLEANED AS NECESSARY AND NO LESS THAN ONE DAY. TRUCKS HAULING BASE MATERIAL AND OTHER MATERIALS WITHIN CITY LIMITS WILL BE TAPE AS NECESSARY TO REVENT MATERIAL FROM SPILLING INTO THE ROADWAY.

25. PRIOR TO ANY CONSTRUCTION WHICH INVOLVED HAZARDOUS CONDITIONS, THE CONTRACTOR SHALL FIRST OBTAIN A PERMIT FROM THE DIVISION OF OCCUPATIONAL SAFETY AND HEALTH (DOSH).

26. PROPOSED REVISIONS TO THE GRADING PLAN SHALL BE DRAWN IN RED PENCIL ON BLUELINES OF THE APPROVED PLAN. THESE BLUELINES ARE THEN TO BE SUBMITTED TO THE OWNERS REPRESENTATIVES FOR REVIEW AND APPROVAL, ONLY AFTER THE BLUELINE APPROVAL IS GIVEN SHOULD THE ORIGINALS BE AS-BUILT BY THE CONTRACTOR.

27. RULE 403, AIR QUALITY CONTROL MANAGEMENT DISTRICT, MUST BE IMPLEMENTED BY CONTRACTORS DURING CONSTRUCTION.

28. CONSTRUCTION ACTIVITIES SHALL OCCUR AS LIMITED BY LOCAL ORDINANCES.

29. CONSTRUCTION PARKING SHALL BE ON-SITE. TRAFFIC CONTROL AND ACCESS SHALL BE IN ACCORDANCE WITH THE GENERAL CONDITION REQUIREMENTS.

30. TRUCKS AND LARGE CONSTRUCTION VEHICLES WILL OBTAIN APPROVED TRUCK ROUTES FROM THE CITY AND/OR THE COUNTY.

31. THE CONTRACTOR SHALL CONTROL DUST IN AREAS USED FOR OFF-ROAD PARKING, MATERIALS LAYDOWN ON THOSE AWAITING FUTURE CONSTRUCTION FREQUENTLY Y ACCESSED AREAS SHALL BE PAVED AS EARLY AS POSSIBLE TO MINIMIZE DUST TRACKOUT TO THE PUBLIC RIGHT OF WAY.

32. THE CONTRACTOR SHALL UTILIZE MEASURES TO PREVENT DIRT FROM BEING TRACKED, WASHED BLOWN OR OTHERWISE CONVEYED ONTO PAVED ROADWAYS, AND WILL WASH OR SWEEP CONSTRUCTION ACCESS POINTS ON A ROUTINE BASIS AS DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL MAINTAIN A DUST BARRIER AND DUST CONTROL SCREEN AT THE EXCAVATION POINT INDEPENDENT OF THE ROUTINE CLEAN-UP SCHEDULE.

33. TRUCKS USED IN HAULING DIRT TO OR FROM THE SITE ON PUBLIC ROADS WILL BE COVERED OR WILL MAINTAIN A SIX INCH DIFFERENTIAL BETWEEN THE MAXIMUM HEIGHT OF ANY HAULED MATERIAL AND THE TOP OF THE TRAILER HAUL TRUCK DRIVERS WILL LOAD PRIOR TO LEAVING THE SITE TO PREVENT SOIL LOSS DURING TRANSPORTATION.

34. POST CONSTRUCTION LID PRINCIPLES, TREATMENT CONTROL, AND/OR LID BMPs, ONCE PLACED INTO OPERATION FOR POST CONSTRUCTION WATER QUALITY CONTROL, SHALL NOT BE USED TO TREAT RUNOFF FROM CONSTRUCTION SITES OR UNSTABILIZED AREAS OF THE SITE.

ASPHALT PAVING GENERAL NOTES

1. A PRE-PAVING MEETING IS REQUIRED 48 HOURS PRIOR TO PAVING. THE PROJECT INSPECTOR SHALL BE IN ATTENDANCE.

2. THE AGGREGATE BASE SECTION SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY, MAXIMUM AND DENSITY TO BE DETERMINED IN ACCORDANCE WITH ASTM D1557-12 MODIFIED.

3. THE "TACK COAT / PAVEMENT BINDER" SHALL BE APPLIED BETWEEN PAVEMENT LAYERS, AND ON EXISTING PAVEMENT TO BE REPAVED, AT A THICKNESS OF 1/8" (0.125") OF THE APPROPRIATE ASPHALT EMULSION.

4. THE ASPHALT CONCRETE FOR PAVING LOTS SHALL BE CLASS C2 AS SPECIFIED IN SECTION 904A STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION LATEST APPROVED EDITION. THE PAVING ASPHALT TO BE MIXED WITH AGGREGATE SHALL CONFORM TO THE PROVISIONS OF SECTION 203-1 AND SHALL BE STEAMED REFINED ASPHALT WITH A PERFORMANCE GRADE OF PG-64/70 TO THE SATISFACTION OF THE ENGINEER.

5. ASPHALT CONCRETE PAVEMENT SHALL DISTRIBUTED AND SPREAD IN ACCORDANCE WITH SECTION 302.5.5 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. THE MAXIMUM LIFT DURING SPREADING SHALL BE 3" COMPACTED THICKNESS.

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 INSPECTOR FOR ALL LOADS.

7. ALL ASPHALT AREAS SHALL BE PAVED AT A MINIMUM GRADIENT OF 1.25%.

DEMOLITION GENERAL NOTES

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

2. EXISTING WATER LATERALS AND IRRIGATION LINES SHALL BE CUT AND CAPPED AT THE LIMIT OF THE DEMO AREA SHOWN. ALL WATER SERVICES SHALL BE TERMINATED A PLUSH UTILITY BOX FOR FUTURE ACCESS.

3. EXISTING SEWER LATERALS SHALL BE CUT AND PLUGGED AT THE LIMIT OF THE DEMO AREA SHOWN. ALL PLUGGED ENDS FOR LATERALS SHALL BE BROUGHT TO GRADE WITH A STANDARD SEWER CLEANOUT.

4. EXISTING ELECTRICAL LINES SHALL BE TEMPORARILY RELOCATED AROUND THE LIMITS OF THE DEMO AREA ALL TEMPORARY WIRING CONNECTIONS SHALL BE TERMINATED IN AN ABOVE GROUND RISER.

5. THE CONTRACTOR SHALL EXERCISE DUE CARE TO AVOID DAMAGE TO EXISTING HARDCAPE IMPROVEMENTS, UTILITY FACILITIES AND LANDSCAPING FEATURES THAT ARE NOT TO BE REMOVED.

6. ALL JOIN LINES SHALL BE SAW CUT ON A NEAT, STRAIGHT LINE PARALLEL WITH THE JOIN. THE CUT EDGE SHALL BE PROTECTED FROM CRUSHING, AND ALL BROKEN EDGES SHALL BE CUT PRIOR TO JOINING.

7. ALL EXISTING OBSTRUCTION MATERIALS THAT CONFLICT WITH PROPOSED IMPROVEMENTS INCLUDING, BUT NOT LIMITED TO, EXISTING FOUNDATIONS, UTILITIES AND APPURTENANCES, TREES, SIGNS, AND STRUCTURES, ETC. SHALL BE REMOVED AND DISPOSED BY THE CONTRACTOR, UNLESS OTHERWISE INDICATED HEREIN, OR AS DIRECTED BY THE ARCHITECT OR ENGINEER.

8. THE CONTRACTOR SHALL PROTECT ALL EXISTING CONCRETE FROM DAMAGE CAUSED BY THEIR OPERATIONS. ANY CONCRETE DAMAGED DURING THEIR OPERATIONS SHALL BE SAW CUT 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 ARCHITECT OR ENGINEER FOR APPROVAL PRIOR TO THE COMMENCEMENT OF WORK.

9. THE CONTRACTOR SHALL PERFORM AND BE RESPONSIBLE FOR ALL CLEARING AND GRUBBING OPERATIONS AS NECESSARY TO COMPLETE THE WORK, INCLUDING TRANSPORTATION AND DISPOSAL OF ALL REMOVED MATERIALS, AND ALL ASSOCIATED COSTS.

10. REMOVE, OR RELOCATE ALL EXISTING ITEMS WITHIN LIMITS OF REMOVAL THAT ARE NOT WITHIN CIVIL SCOPE PER APPROPRIATE CONSULTANT'S PLANS AND SPECIFICATIONS.

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 SET OF PLANS.

ACCESSIBILITY NOTES

1. ALL SUCCESSIVE IN THE DIRECTION OF TRAVEL SHOWN ON THIS PLAN WERE DESIGNED BELOW THE MAXIMUM ALLOWED GRADES FOR THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN (2010 ADA) OR 2010 CSD IN ORDER TO ALLOW FOR CONSTRUCTION TOLERANCES. IT IS THE RESPONSIBILITY OF THE CONTRACTORS TO FAMILIARIZE THEMSELVES WITH THE 2010 ADA AND CSD AND IN THE EVENT THAT A DESIGN QUESTION SHOULD ARISE, OR A FIELD CONDITION PRESENT ITSELF THAT IS DIFFERENT FROM THE 2010 ADA AND CSD, THE CONTRACTOR SHOULD CEASE AND THE DESIGN ENGINEER SHALL BE NOTIFIED SO THAT AN ACCEPTABLE SOLUTION CAN BE DETERMINED.

2. THE CONTRACTOR IS ADVISED TO CAREFULLY CHECK ALL PHASES OF WORK RELATING TO ACCESSIBILITY FOR THIS PROJECT. SINCE THE CODE DOES NOT ALLOW FOR A CONSTRUCTION TOLERANCE, ANY CONSTRUCTION THAT EXCEEDS MAXIMUM OR MINIMUM DIMENSIONS AND SLOPES AS CALLED OUT BY CBC OR ADA'S ARE SUBJECT TO REJECTION BY THE INSPECTOR AND SHALL BE REMOVED AND RELOCATED.

3. ON THE DATE OF SUBMISSION OF THE CONTRACTORS DURING THE GRADING AND CONSTRUCTION OF THE PROJECT, THE CIVIL ENGINEER OR SURVEYOR ASSUMES NO RESPONSIBILITY FOR THE FINAL ACCEPTANCE OF ADA RELATED ITEMS OF THIS PROJECT BY THE INSPECTOR AUTHORITY OR OTHER AFFECTED PARTIES.

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

UTILITY GENERAL NOTES

1. ALL WATER LINES 3" AND SMALLER SHALL BE SCHEDULE 80 PVC, PER ASTM D-1784 WITH SOLVENT WELD FITTINGS. ALL WATER LINES 4" AND GREATER SHALL BE CLASS 235 C90 PVC.

2. WATER MAIN AND SEWER MAIN CROSSINGS SHALL COMPLY WITH STATE AND COUNTY HEALTH DEPARTMENT REGULATIONS. WATER SERVICE LINES AND SEWER LATERALS SHALL NOT BE IN THE SAME TRENCH. WATER AND SEWER LINES ON SITE SHALL HAVE A MINIMUM CLEARANCE OF 12" AND A MAXIMUM CLEARANCE OF 18". WATER LINES SHALL NOT BE LOCATED OVER LATERALS AT A MINIMUM OF ONE FOOT VERTICAL CLEARANCE OR LOWER BY 3' MINIMUM. WHEN WATER LINE CROSSES UNDER SEWER OR MINIMUM CLEARANCE OVER SEWER IS NOT ACHIEVED, SEWER LINE ENCASED IN CONCRETE 10' EACH SIDE OF THE WATER LINE.

3. MINIMUM FIRE LINE COVER FROM TRENCH GRADE TO THE TOP OF PIPE SHALL BE 36" OF COVER. MINIMUM FIRE LINE COVER OF 30" IN NON-TRAFFIC AREAS AND A MINIMUM COVER OF 36" IN TRAFFIC AREAS. PER APWA 24.

4. THE UTILITY CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COMPACTION TESTS OF ALL TRENCH BACKFILL AND SUBMIT THEM TO THE CONSTRUCTION MANAGER FOR APPROVAL. ALL BEDDING SHALL HAVE A SAND EQUIVALENT OF 30% OR BETTER.

5. WATER SERVICE CONNECTION TO THE BUILDINGS SHALL BE INSTALLED BY THE BUILDING PLUMBING CONTRACTOR.

6. MINIMUM BEARING AREA FOR THRUST BLOCKS SHALL BE ACCORDING TO THE THRUST BLOCK SCHEDULE SHOWN ON THESE PLANS.

7. A PIPE DEFLECTOR OR REDUCER SHALL NOT BE USED TO REDUCE OVERREFLECTED PIPES.

8. ALL VALVE AND CLEAUNOUT COVERS SHALL BE 40" IN DIAMETER. ALL COVERS SHALL BE 40" IN DIAMETER. ALL COVERS SHALL BE 40" IN DIAMETER.

9. ALL UNDERGROUND FERROUS METALS ARE TO BE PROTECTED FROM CORROSION WITH 4 MIL EXTRUDED POLYETHYLENE 20 MIL PLASTIC TAPE OVER PLATE PER AWHA STANDARD C205. OR HOT APPLIED COAL TAR ENAMEL OR TAPE FOR AWHA STANDARD C203.

10. BARE STEEL APPURTENANCES SUCH AS BOLTS, JOINT HARNESSSES OR FLEXIBLE COUPLINGS SHOULD BE COATED WITH A COAT TAR OR RUBBER-BASED MASTIC AFTER ASSEMBLY.

11. CONTRACTOR SHALL EXPOSE ALL EXISTING WATER & SEWER PIPELINES AT PROPOSED CONNECTION POINTS TO CONFIRM MATERIAL TYPES LOCATION, AND ELEVATION PRIOR TO BEGINNING CONSTRUCTION.

12. ALL UNDERGROUND PIPELINES SHALL HAVE UNDERGROUND WARNING TAPE PLACED 12" ABOVE THE LINES IN THE TRENCH. NON-METALLIC LINES SHALL HAVE METALLIC TAPE.

13. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR AND COORDINATE THE RELOCATION OF ANY EXISTING UTILITIES.

14. WHENEVER IT BECOMES NECESSARY TO TUNNEL UNDER EXISTING IMPROVEMENTS, THE CONTRACTOR SHALL SUPPORT THOSE IMPROVEMENTS IN A MANNER APPROVED BY THE PROJECT ENGINEER OR THE CONTRACTOR SHALL SAW CUT AND REMOVE AND REPLACE THOSE IMPROVEMENTS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

15. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING UTILITIES LOCATED ON THE PROJECT SITE. THE CONTRACTOR SHALL NOTIFY THE OWNER/DEVELOPER OF ANY EXCAVATION TO LOCATE EXISTING UTILITIES AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION.

16. CONTRACTOR SHALL OBTAIN ANY REQUIRED D.S.H. PERMITS PRIOR TO ANY EXCAVATIONS.

17. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE STARTING WORK. SHOULD CONDITIONS EXIST WHICH ARE CONTRARY TO THOSE SHOWN ON PLANS, THE ENGINEER SHALL NOTIFIED BEFORE PROCEEDING WITH WORK.

18. PRODUCT SECTION 4711 OF THE BUSINESS AND PROFESSIONS CODE. EXISTING SURVEY MONUMENTS SHALL BE NOTED AND DOCUMENTED BEFORE CONSTRUCTION. IF MONUMENTS ARE DISTURBED DURING CONSTRUCTION, THE CONTRACTOR SHALL PAY A REGISTERED LICENSED LAND SURVEYOR OR ENGINEER TO RESET SUCH MONUMENTS, UNLESS OTHERWISE SPECIFIED OR DESIGNATED.

19. ANY WATER HEADS SHALL BE ABANDONED IN COMPLIANCE WITH THE COUNTY STANDARDS AND IN ACCORDANCE WITH THE STATE DEPARTMENT OF WATER RESOURCES.

20. ANY EXISTING SEWERS, CESSPOOLS, AND SEPTIC TANKS OR OTHER SEWAGE DISPOSAL FACILITIES SHALL BE ABANDONED IN COMPLIANCE WITH THE CALIFORNIA PLUMBING CODE AND TO THE APPROVAL OF THE GEOTECHNICAL ENGINEER AND GRADING INSPECTOR.

21. EXPORT SOILS MUST GO TO A LEGAL DUMP SITE OR TO A PERMITTED SITE APPROVED BY THE 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 WITHIN THE PUBLIC RIGHT-OF-WAY DURING THE TRANSPORTATION OF SAWDUST OR EQUIPMENT ASSOCIATED WITH THE PROJECT SHALL BE CLEANED OR REMOVED DAILY.

24. ACCESS RAMPS OVER DURB AND BUTTER TO CONSTRUCTION SITE ARE NOT ALLOWED; WHEN NECESSARY FOR ENTRY INTO SUCH CONSTRUCTION SITES, ASPHALT RAMPS WITH A MINIMUM DIAMETER 12" WILL BE CONSTRUCTED TO CONVEY GUTTER DRAINAGE, GRAVEL, SOIL OR OTHER MATERIAL CARRIED INTO THE ROADWAY BY CONTRACTORS PERSONNEL OR EQUIPMENT WILL BE CLEANED AS NECESSARY AND NO LESS THAN ONE DAY. TRUCKS HAULING BASE MATERIAL AND OTHER MATERIALS WITHIN CITY LIMITS WILL BE TAPE AS NECESSARY TO REVENT MATERIAL FROM SPILLING INTO THE ROADWAY.

25. PRIOR TO ANY CONSTRUCTION WHICH INVOLVED HAZARDOUS CONDITIONS, THE CONTRACTOR SHALL FIRST OBTAIN A PERMIT FROM THE DIVISION OF OCCUPATIONAL SAFETY AND HEALTH (DOSH).

26. PROPOSED REVISIONS TO THE GRADING PLAN SHALL BE DRAWN IN RED PENCIL ON BLUELINES OF THE APPROVED PLAN. THESE BLUELINES ARE THEN TO BE SUBMITTED TO THE OWNERS REPRESENTATIVES FOR REVIEW AND APPROVAL, ONLY AFTER THE BLUELINE APPROVAL IS GIVEN SHOULD THE ORIGINALS BE AS-BUILT BY THE CONTRACTOR.

27. RULE 403, AIR QUALITY CONTROL MANAGEMENT DISTRICT, MUST BE IMPLEMENTED BY CONTRACTORS DURING CONSTRUCTION.

28. CONSTRUCTION ACTIVITIES SHALL OCCUR AS LIMITED BY LOCAL ORDINANCES.

29. CONSTRUCTION PARKING SHALL BE ON-SITE. TRAFFIC CONTROL AND ACCESS SHALL BE IN ACCORDANCE WITH THE GENERAL CONDITION REQUIREMENTS.

30. TRUCKS AND LARGE CONSTRUCTION VEHICLES WILL OBTAIN APPROVED TRUCK ROUTES FROM THE CITY AND/OR THE COUNTY.

31. THE CONTRACTOR SHALL CONTROL DUST IN AREAS USED FOR OFF-ROAD PARKING, MATERIALS LAYDOWN ON THOSE AWAITING FUTURE CONSTRUCTION FREQUENTLY Y ACCESSED AREAS SHALL BE PAVED AS EARLY AS POSSIBLE TO MINIMIZE DUST TRACKOUT TO THE PUBLIC RIGHT OF WAY.

32. THE CONTRACTOR SHALL UTILIZE MEASURES TO PREVENT DIRT FROM BEING TRACKED, WASHED BLOWN OR OTHERWISE CONVEYED ONTO PAVED ROADWAYS, AND WILL WASH OR SWEEP CONSTRUCTION ACCESS POINTS ON A ROUTINE BASIS AS DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL MAINTAIN A DUST BARRIER AND DUST CONTROL SCREEN AT THE EXCAVATION POINT INDEPENDENT OF THE ROUTINE CLEAN-UP SCHEDULE.

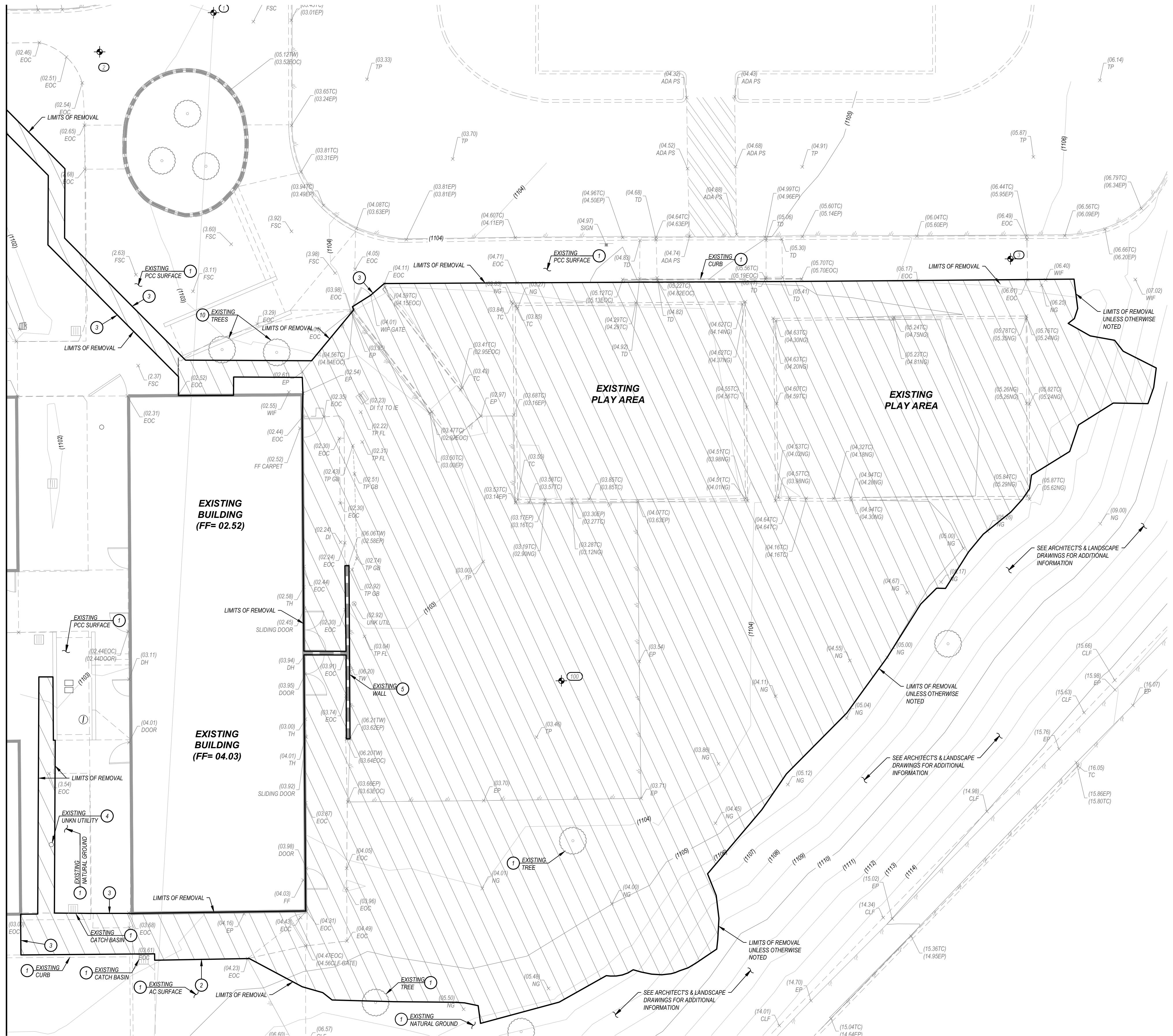
33. TRUCKS USED IN HAULING DIRT TO OR FROM THE SITE ON PUBLIC ROADS WILL BE COVERED OR WILL MAINTAIN A SIX INCH DIFFERENTIAL BETWEEN THE MAXIMUM HEIGHT OF ANY HAULED MATERIAL AND THE TOP OF THE TRAILER HAUL TRUCK DRIVERS WILL LOAD PRIOR TO LEAVING THE SITE TO PREVENT SOIL LOSS DURING TRANSPORTATION.

34. POST CONSTRUCTION LID PRINCIPLES, TREATMENT CONTROL, AND/OR LID BMPs, ONCE PLACED INTO OPERATION FOR POST CONSTRUCTION WATER QUALITY CONTROL, SHALL NOT BE USED TO TREAT RUNOFF FROM CONSTRUCTION SITES OR UNSTABILIZED AREAS OF THE SITE.

LEGEND

AC	ASPHALT CONCRETE	CLEANOUT	PROTECT IN PLACE SPECIFIED ITEM
ADA	AMERICAN DISABILITIES ACT	CONTROL POINT	② SAWCUT, REMOVE AND DISPOSE OF EXISTING ASPHALT CURB, GUTTER, AND/OR SIDEWALK
BFD	BACKFLOW DEVICE	DOUBLE DETECTOR CHECK	③ ADJUST EXISTING ITEM TO PROPOSED FINISHED GRADE PER PRECISE GRADING PLAN
CF	CURB FACE	DRAIN BOX	④ PROTECT IN PLACE EXISTING RETAINING WALL AND PROTECT EXISTING REBAR THAT EXTENDS FROM THE EXISTING WALL INTO THE CONCRETE PAVING
CLF	CHAINLINK FENCE	FIRE DEPARTMENT CONNECTION	
CO	CLEANOUT	FIRE HYDRANT	
CONC	CONCRETE	MANHOLE	
DCA	DOUBLE CHECK DETECTOR ASSEMBLY	POWER POLE	
ELEC	ELECTRIC	POST INDICATOR VALVE	
EOC	EDGE OF CONCRETE	SIGN	
EP	EDGE OF PAVEMENT	TREE	
FDC	FIRE DEPARTMENT CONNECTION	CHANGE IN ACPC THICKNESS	
FF	FINISHED FLOOR	DIRECTION OF SLOPE	
FG	FINISHED GROUND	GRADE BREAK	
FH	FIRE HYDRANT	GRADE BREAK/EDGE OF PAVEMENT	
FL	FLOWLINE	GRADE BREAK/EXISTING WALL	
FS	FINISHED SURFACE	GRADE BREAK/EXISTING SURFACE	
GB	GRADE BREAK	GRADE BREAK/EXISTING SURFACE	
GL	GUTTER LIP	GRADE BREAK/EXISTING SURFACE	
JRR	EXISTING RETAINING WALL	GRADE BREAK/EXISTING SURFACE	
GS	GOPHER SLAB	GRADE BREAK/EXISTING SURFACE	
HP	HIGH POINT	GRADE BREAK/EXISTING SURFACE	
IE	INVERT (SD)	GRADE BREAK/EXISTING SURFACE	
INV	INVERT (SEWER)	GRADE BREAK/EXISTING SURFACE	
LA	LANDSCAPE AREA	GRADE BREAK/EXISTING SURFACE	
MRS	MANUFACTURED RAMPS SURFACE	GRADE BREAK/EXISTING SURFACE	
PA	PLANTER AREA	GRADE BREAK/EXISTING SURFACE	
PV	POST INDICATOR VALVE	GRADE BREAK/EXISTING SURFACE	
POC	POINT OF CONNECTION	GRADE BREAK/EXISTING SURFACE	
PP	POWER POLE	GRADE BREAK/EXISTING SURFACE	
RD	RIDGE LINE	GRADE BREAK/EXISTING SURFACE	
SW	SIDEWALK	GRADE BREAK/EXISTING SURFACE	
TB	TOP OF BERM	GRADE BREAK/EXISTING SURFACE	
TC	TOP OF CURB	GRADE BREAK/EXISTING SURFACE	
TF	TOP OF FOOTING	GRADE BREAK/EXISTING SURFACE	

MATCHLINE - SEE SHEET C-2.2



Call 2 Working Days
Before You Dig!
811

PROJECT NUMBER: 22-2107-00
PROJECT STATUS: BID SET
SHEET ISSUED: 11/2/2025
DETAILED DATE:

SCALE: 1"=10'

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TOPOGRAPHIC MAP

COLTON JOINT UNIFIED SCHOOL DISTRICT
TERRACE VIEW ELEMENTARY SCHOOL TK MODULAR ADDITION
22731 GRAND TERRACE ROAD
GRAND TERRACE, CA 92313

CONSULTANT:



SURVEYOR'S NOTE:
THE POINT CONTROL AND CONTINUOUS OPERATING REFERENCE STATION TIES ARE SHOWN ON THE
DIAGRAM BELOW AND ARE REFERENCED ON BASIS OF BEARINGS STATEMENT.

GENERAL NOTES:
THE FIELD TOPOGRAPHY SHOWN HERIN WAS COMPILED BY FIELD SURVEY PERFORMED ON 06/21/2022 AND
COMPLETED A FIELD SURVEY OF ALL ABOVE GROUND APPURTENANCES. EPIC ENGINEERS, INC. PROVIDES
NO WARRANTY AND ACCEPTS NO RESPONSIBILITY AS TO THE ACTUAL LOCATION OF ANY UNDERGROUND OR
ABOVE GROUND UTILITY EITHER INSTALLED BEFORE OR AFTER THE DATE OF PREPARATION OF THESE
PLANS. CONTRACTOR TO CONTACT UNDERGROUND SERVICE ALERT @ 811 TO VERIFY LOCATION OF
EXISTING UTILITY LOCATIONS AND SHALL CONTACT THE ENGINEER OF RECORD IF THERE IS ANY MATERIAL
DISCREPANCY.

BENCHMARK:
VERTICAL CONTROL FOR THIS SURVEY IS NAVD88 GEODIS AS ESTABLISHED BY STATIC GPS BASED ON
THE CORS STATIONS LISTED UNDER THE BASIS OF BEARINGS SHOWN HERIN.

A TEMPORARY BENCHMARK WAS ESTABLISHED AT THE BASE CONTROL POINT NO. 1 REFERENCED ABOVE.

DESCRIPTION: SCORED X

ELEVATION: 1103.08' (NAVD88)

BASIS OF BEARINGS:
THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA STATE PLANE COORDINATE SYSTEM:
SPC 4065, ZONE V

BASED LOCALLY ON CONTINUOUS OPERATING REFERENCE STATIONS (CORS):

'EPIC' IS THE 'NAME' OF THE CONTRACTOR WHICH PREPARED THESE PLANS.

ALL BEARINGS SHOWN ON THIS MAP ARE GRID. ALL DISTANCES ARE GROUND DISTANCES UNLESS

SPECIFIED OTHERWISE. GRID DISTANCES MAY BE OBTAINED BY MULTIPLYING THE GROUND DISTANCE BY A

COMBINATION FACTOR OF: 0.9999547

CALCULATIONS ARE MADE AT THE BASE CONTROL POINT NO. 1 WITH COORDINATES OF:

NORTHING: 1838484.39' EASTING: 6771209.49'

ELEVATION: 1103.08'

TOPOGRAPHIC LEGEND:

AC	ASPHALT CONCRETE	
ACB	ASPHALT CONCRETE BERM	
ADA	ACCESSIBILITY ACT	
BACKST	BACKSTOP	
BSG	BACKSIDE GROOVE	
CB	CATCH BASIN	
CLC	CLAY LIME FENCE	
CLF	CHAIN LINK FENCE	
CO	CLEAROUT	
COMM	COMMUNICATION	
CONC	CONCRETE	
COR	CORNER	
DP	DRUM HINGE	
DH	DRAIN INLET	
DI	DRIVE IN CORNER	
DIR	DIRECT REFLECTION	
DS	DOWNSPOUT	
ELEC	ELECTRIC	
EDC	EDGECRETE	
EPT	EDGE OF TRAVELED PATH	
FP	FEET	
FDC	FIRE DEPARTMENT CONNECTION	
FF	FINISHED FLOOR	
FP	FLAT PLATE	
FL	FLOWLINE	
FP	FLAG POLE	
FSC	FLAT SURFACE CONCRETE	
GR	GRADE BREAK	
GL	GUTTER UP	
ICV	IRRIGATION CONTROL VALVE	
IE	IRRIGATION ELEVATION	
INV	INVERT	
LT	LIGHT	
MB	MAILBOX	
MAG	MAGNAI	
NG	NATURAL GROUND	
PIV	POST INDICATOR VALVE	
PS	PIPE	
SCO	PANT STRIPE	
SDC	SEWER CLEAN OUT	
SDMH	STORM DRAIN MANHOLE	
SMH	SEWER MANHOLE	
TO	TOP OF PIPE	
TOP	TOP OF PAVEMENT	
TP	TOP OF PAVE	
TD	TOP OF WALL	
TH	UTILITY BOX	
TL	UTILITY	
TOP	UTILITY VAULT	
TP	WALL	
TW	WALL CORNER	
UB	WROUGHT IRON FENCE	
UNK	WROUGHT IRON FENCE	
ULT	WHEEL STOP	
WC	WALL	
WIF	WALL CORNER	
WS	WHEEL STOP	

CONTROL TABLE

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1838484.39	6771209.49	1103.08	SCORED X
2	1838479.89	6771209.49	1102.58	SCORED X
3	1838441.98	677133.30	1103.49	SCORED X
4	1838210.21	6771171.43	1103.03	SET MN
100	1838365.85	6771272.27	1103.41	SET MN
101	1838201.97	6771224.30	1102.21	SET MN
102	1838282.64	6771189.29	1104.82	SET MN
103	1838564.53	6770940.03	1104.93	SCORED X
104	1838479.09	6771046.95	1101.09	600
105	1838394.65	6771943.41	1102.53	SCORED X
106	1838354.15	6770833.74	1103.19	600
107	1838317.84	6770811.85	1104.03	SCORED X
108	1838281.31	6771004.79	1103.39	MN
109	1838278.68	6771101.85	1103.89	SCORED X

GRADING DEMOLITION NOTES

- (1) PROTECT IN PLACE SPECIFIED ITEM
- (2) SAWCUT, REMOVE AND DISPOSE OF EXISTING ASPHALT
- (3) SAWCUT, REMOVE AND DISPOSE OF EXISTING CONCRETE CURB, GUTTER, AND/OR SIDEWALK
- (4) ADJUST EXISTING ITEM TO PROPOSED FINISHED GRADE PER PRECISE GRADING PLAN
- (5) PROTECT IN PLACE EXISTING RETAINING WALL AND PROTECT EXISTING REBAR THAT EXTENDS FROM THE EXISTING WALL INTO THE CONCRETE PAVING

SEALS:

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C-2.1

MATCHLINE - SEE SHEET C-3.2

GRAND TERRACE ROAD

PROPOSED FIRE HYDRANT PER SEPARATE -
OFF-SITE RIVERSIDE HIGHLAND WATER
COMPANY FIRE PLAN

GRADING CONSTRUCTION NOTES

- 10) PROTECT IN PLACE EXISTING ITEM
- 11) ADJUST EXISTING ITEM TO PROPOSED FINISHED GRADE
- 12) JOIN PROPOSED SURFACE TO EXISTING SURFACE PER DETAIL "A" ON SHEET C-6.1 WITH FLUSH TRANSITION, MATCH GRADE. DOWELING FOR PCC ONLY
- 13) GRIND AND OVERLAY EXISTING ASPHALT SURFACE 0.12' MINIMUM PER DETAIL "A" ON SHEET C-6.1, WITH FLUSH TRANSITION, MATCH GRADE
- 14) SEE SITE UTILITY PLAN FOR IDENTIFICATION OF OBJECT
- 15) CONSTRUCT FULL DEPTH AC PER DETAIL "A" ON SHEET C-6.1 WITH FLUSH TRANSITION, MATCH GRADE.
- 16) CONSTRUCT 3.5" PCC (520-C-2500) OVER 12" SUBGRADE COMPACTED TO 90% RELATIVE COMPACTION; WITH THICKENED EDGE PER DETAIL "B" ON SHEET C-6.1. SCORING PATTERNS, COLOR AND FINISH PER ARCHITECT'S PLANS AND SPECIFICATIONS. STRUCTURAL SECTION IS TENTATIVE. SOIL TESTING SHALL BE PERFORMED PRIOR TO GRADING TO DETERMINE STRUCTURAL SECTION REQUIREMENTS.
- 17) CONSTRUCT 2" PCC (480-C-2000) GOPHER SLAB OVER PREPARED SUBGRADE
- 18) CONSTRUCT PCC 0" CURB PER ARCHITECT'S DETAIL 21 ON SHEET A10.12
- 19) CONSTRUCT REDWOOD HEADER PER DETAIL "C" ON SHEET C-6.1
- 20) FURNISH AND INSTALL SITE FENCING / RAILING / GATES PER ARCHITECT'S PLANS AND SPECIFICATIONS
- 21) CONSTRUCT STAIRS / HANDRAILS PER ARCHITECT'S PLANS AND SPECIFICATIONS
- 22) CONSTRUCT CAST IN PLACE RETAINING WALL PER ARCHITECTURAL PLANS AND SPECIFICATIONS
- 23) CONSTRUCT SEATWALL PER ARCHITECT'S PLANS AND SPECIFICATIONS
- 24) DRINKING FOUNTAIN PROVIDED BY BUILDING MANUFACTURER
- 25) PROPOSED VENTS PER ARCHITECTURAL PLANS & MODULAR BUILDING PLANS AND SPECIFICATIONS
- 26) CONSTRUCT RUBBERIZED PLAYGROUND SURFACING PER ARCHITECT'S PLANS/DETAILS AND SPECIFICATIONS
- 27) FURNISH AND INSTALL DECOMPOSED GRANITE SURFACE PER ARCHITECT'S PLANS AND SPECIFICATIONS
- 28) FURNISH AND INSTALL CURB PER ARCHITECT'S PLANS AND SPECIFICATIONS
- 29) FURNISH AND INSTALL CLEAN WASHED 3/4" CRUSHED ROCK, 3" THICK PER ARCHITECT'S PLANS AND SPECIFICATIONS
- 30) CONSTRUCT PCC 0" CURB PER DETAIL "G" ON SHEET C-6.1
- 31) FURNISH AND INSTALL SYNTHETIC TURF PER ARCHITECT'S PLANS, DETAILS, AND SPECIFICATIONS
- 32) CONSTRUCT 6" PCC BORDER PER ARCHITECT'S PLANS, DETAILS, AND SPECIFICATIONS



COLTON JOINT UNIFIED SCHOOL DISTRICT TERRACE VIEW ELEMENTARY SCHOOL TK MODULAR ADDITION



The logo for SGU Architects. It features the letters "sgu" in a bold, lowercase, sans-serif font, with a thin horizontal line extending from the bottom of the "u". To the right of the letters, the word "ARCHITECTS" is written in a smaller, uppercase, sans-serif font.

DESCRIPTION:
DATE:
DELTA: 

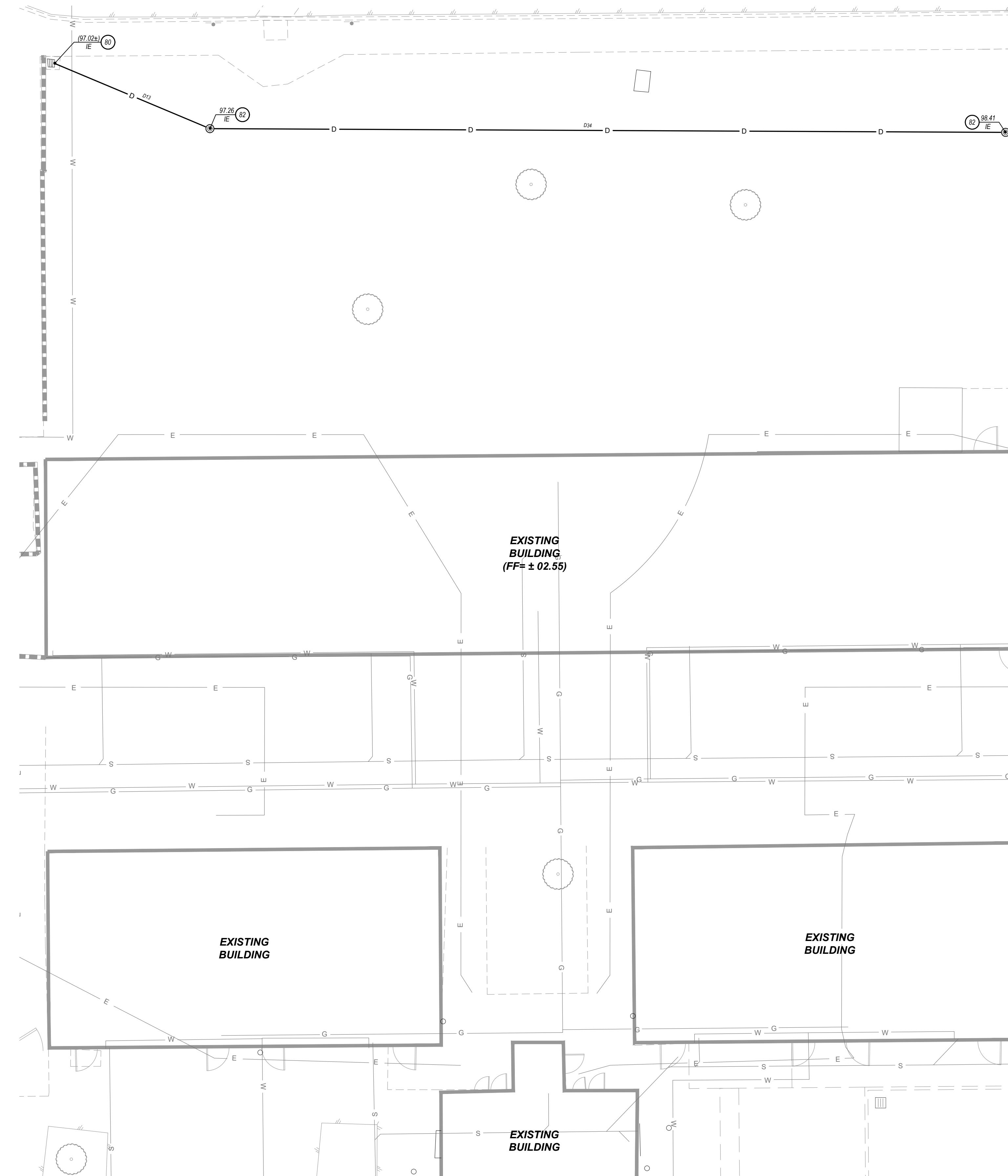
C-3.1

The DIG ALERT logo features the word "DIG ALERT" in a large, bold, sans-serif font with a decorative wavy underline. To the left of the text is a circular "no digging" symbol. This symbol consists of a circle with a diagonal line from the top-left to the bottom-right. Inside the circle, there is a stylized illustration of a shovel and a pickaxe crossed together, representing digging equipment.

**2 Working Days
before You Dig!**
811

A scale bar for aerial photography. It features a black and white checkerboard pattern on the left and right ends. In the center, there are three vertical black bars with white numbers below them: '10' at the 10' mark, '20' at the 20' mark, and '30' at the 30' mark. The text 'SCALE: 1"=10\' is centered above the scale bar.

C-3.1



UTILITY CONSTRUCTION NOTES

FURNISH & INSTALL ALL PIPING PER UTILITY TABLES ON SHEET C-4.1

DOMESTIC WATER

- CONNECT TO EXISTING WATER LINE PER PROJECT SPECIFICATIONS
- FURNISH & INSTALL BRASS BODY BALL VALVE RESPECTIVE TO PIPE SIZE IN YARD BOX PER DETAIL "D" ON SHEET C-4.1 AND CUT-SHEET ON C-4.2

SEWER

- CONNECT TO EXISTING SEWER LINE PER PROJECT SPECIFICATIONS. CONTRACTOR TO EXPOSE AND CLEAN OUT EXISTING SEWER PIPES AND FIELD VERIFY THE VERTICAL AND HORIZONTAL LOCATION AND CONTACT EPIC ENGINEERS WITH RESULTS FOR VERIFICATION TO PROCEED PRIOR TO ANY CONSTRUCTION
- CONSTRUCT PVC SEWER CLEANOUT PER DETAIL "E" ON SHEET C-4.1

STORM DRAIN

- CONNECT TO EXISTING STORM DRAIN LINE PER PROJECT SPECIFICATIONS. CONTRACTOR TO EXPOSE AND CLEAN OUT EXISTING STORM DRAIN PIPES AND FIELD VERIFY THE VERTICAL AND HORIZONTAL LOCATION AND CONTACT EPIC ENGINEERS WITH RESULTS FOR VERIFICATION TO PROCEED PRIOR TO ANY CONSTRUCTION
- FURNISH & INSTALL 12" X 12" X 12" PRECAST CATCH BASIN (JAR CB1212 OR APPROVED EQUAL) PER DETAIL "F" ON SHEET C-4.1 AND CUT-SHEET ON C-4.2

CONSTRUCT PVC STORM DRAIN CLEANOUT PER DETAIL "E" ON SHEET C-4.1

- CONSTRUCT PVC STORM DRAIN CLEANOUT PER DETAIL "E" ON SHEET C-4.1
- FURNISH & INSTALL PLASTER DRAIN (J.R. SMITH 2670 OR APPROVED EQUAL) PER CUT-SHEET ON C-4.2

- INSTALL A.D.S. GEOSYNTHETICS 60/11 NON-WOVEN GEOTEXTILE FILTER FABRIC PER DETAIL "H" ON SHEET C-4.1

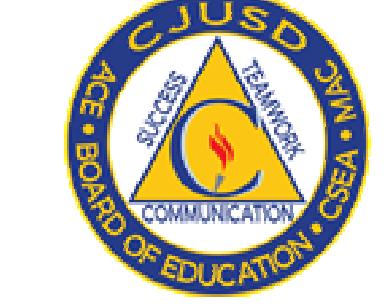
ON SHEET C-4.1

LEGEND:

BOP	BOTTOM OF PIPE	D	PROPOSED STORM DRAIN
FF	FINISH FLOOR	S	PROPOSED SEWER LINE
IE	INVERT (SD)	W	PROPOSED WATER LINE
INV	INVERT (SEWER)		
PW	POINT OF CONNECTION	F	PROPOSED FIRE LINE
POC	POINT OF CONNECTION		UTILITY DEMO
POC	POINT OF CONNECTION	/ / / / /	EXISTING STORM DRAIN
POC	POINT OF CONNECTION	D	EXISTING SEWER LINE
POC	POINT OF CONNECTION	S	EXISTING FIRE LINE
POC	POINT OF CONNECTION	W	EXISTING WATER LINE
POC	POINT OF CONNECTION	E	EXISTING ELECTRIC LINE
POC	POINT OF CONNECTION	G	EXISTING GAS LINE
POC	POINT OF CONNECTION		WATER POC/BRASS BALL VALVE

COMPOSITE UTILITIES

COLTON JOINT UNIFIED SCHOOL DISTRICT

TERRACE VIEW ELEMENTARY SCHOOL TK MODULAR ADDITION
22731 GRAND TERRACE ROAD
GRAND TERRACE, CA 92313

sgh
ARCHITECTS

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PROJECT NUMBER: 22-2107-00
PROJECT STATUS: BID SET
SHEET ISSUED: 11/2/2025
DETAILED DATE:

C-4.2

STORM DRAIN LINE DATA TABLE				
NAME	BEARING	LENGTH	SLOPE	DESCRIPTION
D1	N44° 43' 53" W	6.32	S=0.0208	6" SDR 35 PVC STORM DRAIN PIPE
D2	N44° 43' 53" W	15.14	S=0.0208	6" SDR 35 PVC STORM DRAIN PIPE
D3	N89° 43' 53" W	4.07	S=0.0208	6" SDR 35 PVC STORM DRAIN PIPE
D4	N89° 43' 53" W	14.26	S=0.0208	6" SDR 35 PVC STORM DRAIN PIPE
D5	N89° 43' 53" W	20.49	S=0.0208	6" SDR 35 PVC STORM DRAIN PIPE
D6	N0° 16' 07" E	51.35	S=0.0240	6" SDR 35 PVC STORM DRAIN PIPE
D7	N0° 16' 07" E	8.55	S=0.0240	6" SDR 35 PVC STORM DRAIN PIPE
D8	N0° 16' 07" E	7.05	S=0.0091	6" SDR 35 PVC STORM DRAIN PIPE
D9	N44° 43' 53" W	4.38	S=0.0091	6" SDR 35 PVC STORM DRAIN PIPE
D10	N44° 43' 53" W	4.10	S=0.0091	6" SDR 35 PVC STORM DRAIN PIPE
D11	N89° 43' 53" W	4.00	S=0.0091	6" SDR 35 PVC STORM DRAIN PIPE
D12	N89° 43' 53" W	9.53	S=0.0091	6" SDR 35 PVC STORM DRAIN PIPE
D13	N87° 13' 53" W	26.73	S=0.0091	6" SDR 35 PVC STORM DRAIN PIPE
D14	N44° 43' 53" W	3.76	S=0.0263	6" SDR 35 PVC STORM DRAIN PIPE
D15	N44° 43' 53" W	3.63	S=0.0240	6" SDR 35 PVC STORM DRAIN PIPE
D16	N0° 16' 07" E	11.95	S=0.0240	6" SDR 35 PVC STORM DRAIN PIPE
D17	N45° 16' 07" E	1.29	S=0.0774	6" SDR 35 PVC STORM DRAIN PIPE
D18	S45° 16' 07" W	3.91	S=0.0580	6" SDR 35 PVC STORM DRAIN PIPE
D19	S0° 16' 07" W	3.17	S=0.2181	6" SDR 35 PVC STORM DRAIN PIPE
D20	N0° 16' 07" E	2.83	S=0.3256	6" SDR 35 PVC STORM DRAIN PIPE
D21	N89° 47' 26" W	47.41	S=0.0091	6" SDR 35 PVC STORM DRAIN PIPE
D22	N89° 43' 53" W	32.36	S=0.0091	6" SDR 35 PVC STORM DRAIN PIPE
D23	N45° 16' 07" E	3.84	S=0.3910	6" SDR 35 PVC STORM DRAIN PIPE
D24	N89° 43' 53" W	50.77	S=0.0252	6" SDR 35 PVC STORM DRAIN PIPE
D25	N44° 43' 53" W	16.39	S=0.0205	6" SDR 35 PVC STORM DRAIN PIPE
D26	S45° 16' 07" W	19.83	S=0.0205	4" SDR 35 PVC STORM DRAIN PIPE
D27	N89° 59' 02" W	18.03	S=0.0564	6" SDR 35 PVC STORM DRAIN PIPE
D28	S89° 43' 53" E	30.91	S=0.0240	6" SDR 35 PVC STORM DRAIN PIPE
D29	N44° 43' 53" W	9.64	S=0.0240	6" SDR 35 PVC STORM DRAIN PIPE
D30	N45° 16' 07" E	13.27	S=0.0240	6" SDR 35 PVC STORM DRAIN PIPE
D31	N44° 43' 53" W	32.24	S=0.0091	6" SDR 35 PVC STORM DRAIN PIPE
D32	N0° 16' 07" E	12.53	S=0.0091	6" SDR 35 PVC STORM DRAIN PIPE
D33	N44° 43' 53" W	14.14	S=0.0091	6" SDR 35 PVC STORM DRAIN PIPE
D34	N89° 43' 53" W	126.30	S=0.0091	6" SDR 35 PVC STORM DRAIN PIPE
D35	S45° 16' 07" W	14.16	S=0.0252	6" SDR 35 PVC STORM DRAIN PIPE
D36	S0° 07' 58" W	13.08	S=0.0091	6" SDR 35 PVC STORM DRAIN PIPE
D37	S45° 07' 58" W	7.07	S=0.0091	6" SDR 35 PVC STORM DRAIN PIPE
D38	S45° 07' 58" W	2.90	S=0.0564	6" SDR 35 PVC STORM DRAIN PIPE
D39	S39° 45' 02" W	11.14	S=0.0564	6" SDR 35 PVC STORM DRAIN PIPE
D40	S39° 45' 02" W	8.02	S=0.0564	6" SDR 35 PVC STORM DRAIN PIPE
D41	S84° 43' 02" W	10.59	S=0.0564	6" SDR 35 PVC STORM DRAIN PIPE
D42	N89° 43' 53" W	15.23	S=0.0091	6" SDR 35 PVC STORM DRAIN PIPE
D43	N0° 16' 07" E	1.70	S=0.9795	6" SDR 35 PVC STORM DRAIN PIPE

SEWER LINE DATA TABLE				
NAME	BEARING	LENGTH	SLOPE	DESCRIPTION
S1	S0° 16' 07" W	4.15	S=0.0175	4" SDR 35 PVC SEWER PIPE
S2	S0° 16' 07" W	4.15	S=0.0434	4" SDR 35 PVC SEWER PIPE
S3	N89° 43' 53" W	6.00	S=0.0175	4" SDR 35 PVC SEWER PIPE
S4	N89° 43' 53" W	59.93	S=0.0175	4" SDR 35 PVC SEWER PIPE

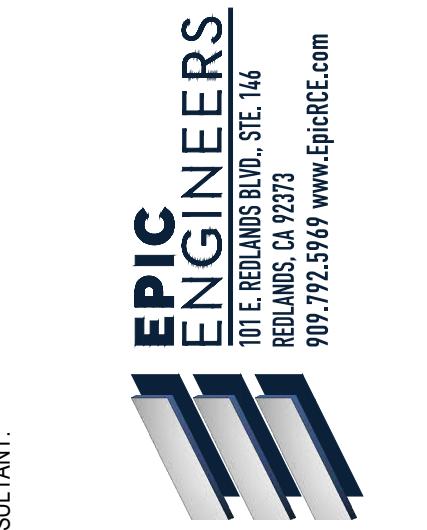
WATER LINE DATA TABLE				
NAME	BEARING	LENGTH	DESCRIPTION	
W1	S0° 16' 07" W	43.09		1" SCHEDULE 80 WATER LINE
W2	S89° 43' 53" E	67.17		1" SCHEDULE 80 WATER LINE
W3	N45° 07' 00" W	39.46		1" SCHEDULE 80 WATER LINE
W4	S45° 07' 00" W	40.73		1" SCHEDULE 80 WATER LINE
W5	N0° 16' 07" E	36.73		1" SCHEDULE 80 WATER LINE
W6	S89° 43' 53" E	9.33		1" SCHEDULE 80 WATER LINE
W7	N0° 16' 07" E	7.79		1" SCHEDULE 80 WATER LINE
W8	N89° 43' 53" W	9.33		1" SCHEDULE 80 WATER LINE

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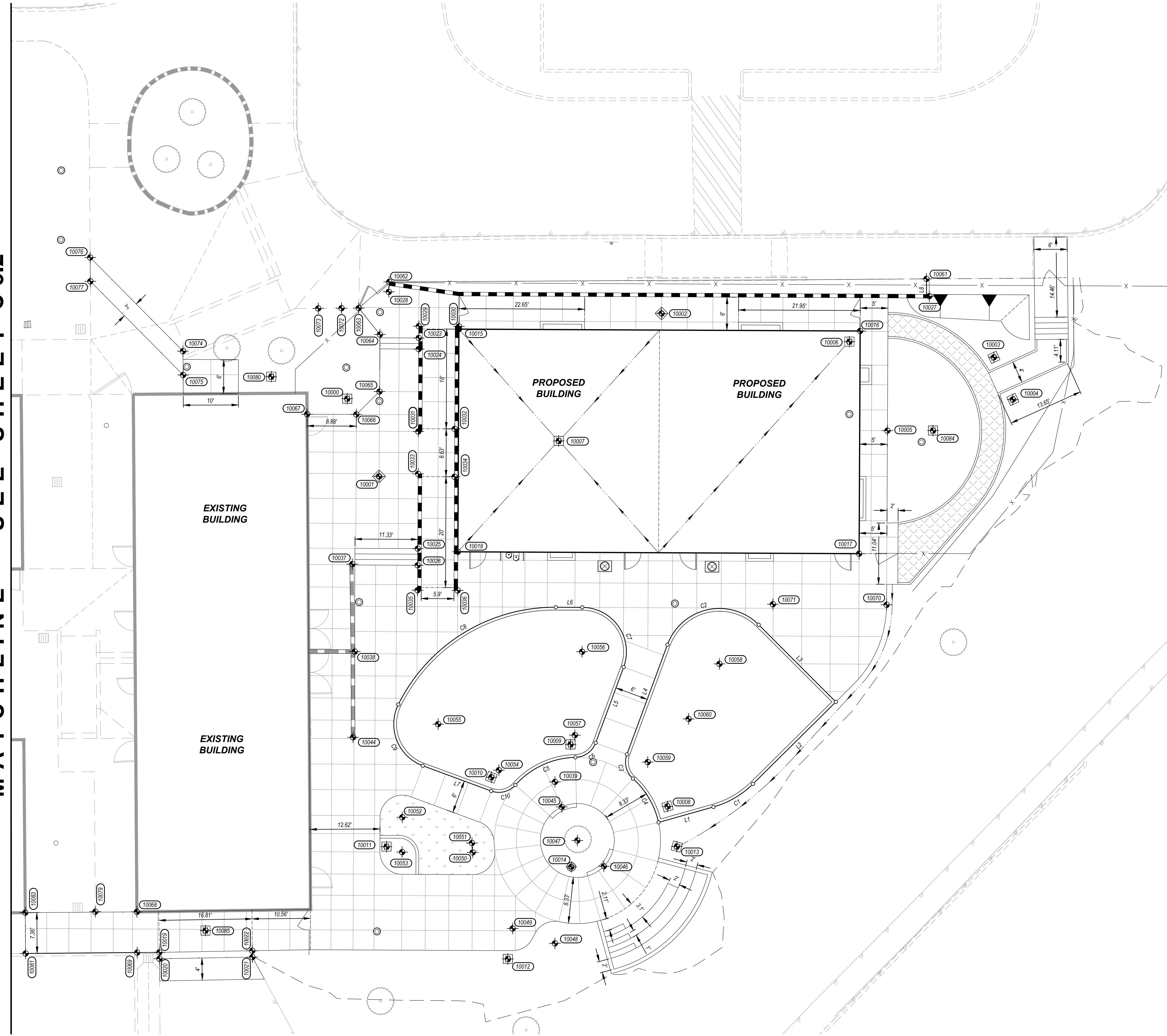


CONSULTANT:



THE REEDS 100, STE 114
IRVINE, CA 92613
909.793.9696 www.EpicE.com

MATCHLINE - SEE SHEET C-5.2



HORIZONTAL CONTROL TABLE

POINT #	NORTHING	EASTING	DESCRIPTION
10000	1838452.46	6771232.73	CENTER OF CATCH BASIN
10001	1838402.45	6771238.47	CENTER OF CATCH BASIN
10002	1838412.84	6771289.41	CENTER OF CATCH BASIN
10003	1838422.92	6771349.32	CENTER OF CATCH BASIN
10004	1838412.32	6771352.75	CENTER OF CATCH BASIN
10005	1838402.70	6771330.14	RADIUS CENTERPOINT
10006	1838422.75	6771232.28	CENTER OF CATCH BASIN
10007	1838402.84	6771270.87	CENTER OF CATCH BASIN
10008	1838342.91	6771260.40	CENTER OF CATCH BASIN
10009	1838342.10	6771270.07	CENTER OF CATCH BASIN
10010	1838342.18	6771258.72	CENTER OF CATCH BASIN
10011	1838332.65	6771239.82	CENTER OF CATCH BASIN
10012	1838312.50	6771261.70	CENTER OF CATCH BASIN
10013	1838332.67	6771292.16	CENTER OF CATCH BASIN
10014	1838332.02	6771233.14	CENTER OF CATCH BASIN
10015	1838422.01	6771252.87	CORNER OF PROPOSED BUILDING
10016	1838422.67	6771252.22	CORNER OF PROPOSED BUILDING
10017	1838382.51	6771252.50	CORNER OF PROPOSED BUILDING
10018	1838382.85	6771252.89	CORNER OF PROPOSED BUILDING
10019	1838382.59	6771168.86	SAWCUT
10020	1838312.44	6771168.87	SAWCUT
10021	1838312.72	6771215.64	SAWCUT
10022	1838312.88	6771215.60	SAWCUT
10023	1838422.41	6771245.63	TOP OF STARS
10024	1838422.41	6771245.62	BOTTOM OF STARS
10025	1838382.41	6771245.45	TOP OF STARS
10026	1838362.41	6771245.44	BOTTOM OF STARS
10027	1838422.95	6771337.68	END OF WALL
10028	1838422.74	6771240.23	END OF WALL
10029	1838422.54	6771245.64	END OF WALL
10030	1838422.51	6771245.99	END OF WALL
10031	1838412.54	6771245.55	END OF WALL
10032	1838412.32	6771232.12	BOTTOM OF RAMP
10033	1838422.91	6771245.52	END OF WALL
10034	1838422.38	6771232.08	BOTTOM OF RAMP
10035	1838312.91	6771245.42	END OF WALL
10036	1838312.88	6771232.65	END OF WALL
10037	1838362.62	6771233.65	END OF WALL
10038	1838372.84	6771234.09	END OF WALL
10039	1838342.34	6771230.19	CENTER OF RADIUS
10040	1838355.38	6771233.79	END OF WALL
10041	1838342.82	6771214.43	SEATWALL

HORIZONTAL CONTROL TABLE

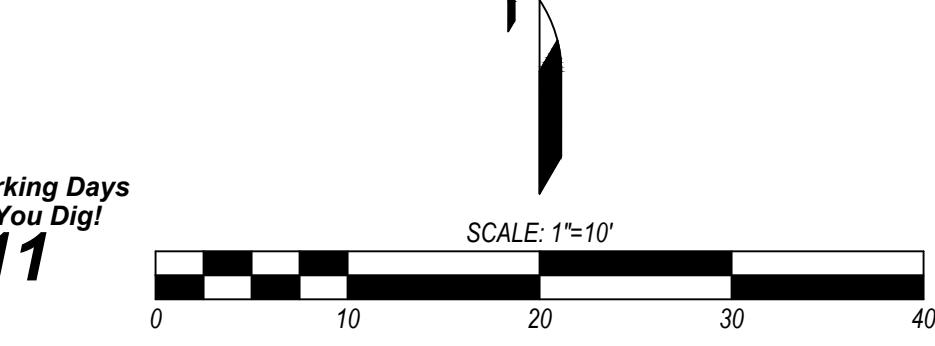
POINT #	NORTHING	EASTING	DESCRIPTION
10046	1838322.12	6771279.01	SEATWALL
10047	1838362.77	6771274.23	CENTER OF CURVE RADUS
10048	1838312.21	6771270.18	CENTER OF CURVE RADUS
10049	1838202.89	6771282.56	CENTER OF CURVE RADUS
10050	1838334.61	6771255.35	CENTER OF CURVE RADUS
10051	1838382.32	6771255.23	CENTER OF CURVE RADUS
10052	1838340.98	6771242.66	CENTER OF CURVE RADUS
10053	1838334.67	6771242.63	CENTER OF CURVE RADUS
10054	1838345.45	6771260.08	CENTER OF CURVE RADUS
10055	1838357.37	6771249.13	CENTER OF CURVE RADUS
10056	1838370.72	6771275.08	CENTER OF CURVE RADUS
10057	1838357.77	6771273.78	CENTER OF CURVE RADUS
10058	1838368.62	6771299.85	CENTER OF CURVE RADUS
10059	1838350.92	6771286.91	CENTER OF CURVE RADUS
10060	1838368.29	6771294.29	CENTER OF CURVE RADUS
10061	1838382.07	6771337.17	EDGE OF PCC CURB
10062	1838437.53	6771240.30	EDGE OF PCC
10063	1838422.60	6771234.81	EDGE OF PCC
10064	1838428.60	6771238.64	EDGE OF PCC
10065	1838417.55	6771168.55	EDGE OF PCC
10066	1838413.62	6771234.38	EDGE OF PCC
10067	1838413.66	6771225.50	EDGE OF PCC
10068	1838323.89	6771194.81	EDGE OF PCC
10069	1838316.76	6771194.86	EDGE OF PCC
10070	1838379.38	6771309.49	EDGE OF PCC
10071	1838379.38	6771231.71	SAWCUT
10072	1838432.78	6771227.51	SAWCUT
10073	1838425.75	6771203.12	SAWCUT
10074	1838425.75	6771203.12	SAWCUT
10075	1838420.75	6771203.15	SAWCUT
10076	1838441.51	6771196.39	SAWCUT
10077	1838427.63	6771186.42	SAWCUT
10078	1838427.13	6771164.36	JOIN TO EXISTING PCC
10079	1838323.75	6771187.31	SAWCUT
10080	1838420.43	6771219.03	CENTER OF CATCH BASIN
10081	1838312.39	6771174.74	SAWCUT
10082	1838416.98	6771154.31	JOIN TO EXISTING PCC
10083	1838323.75	6771174.68	SAWCUT
10084	1838402.72	6771338.36	CENTER OF CATCH BASIN
10085	1838320.52	6771207.18	CENTER OF CATCH BASIN

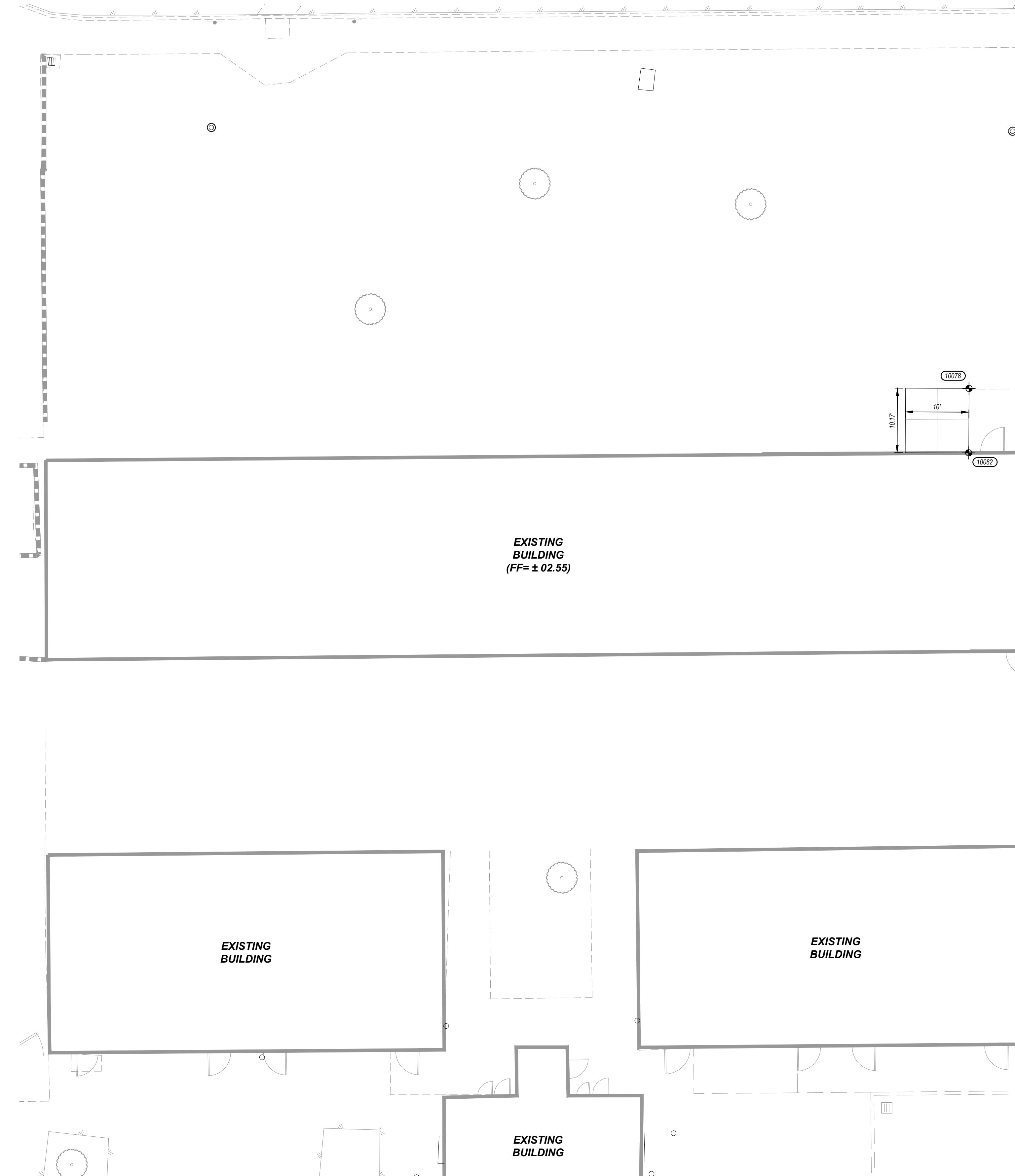
CURVE DATA TABLE

CURVE	LENGTH	RADIUS	DELTA	TANGENT
C1	6.35'	16.50'	29° 00' 00.00"	4.27°
C2	20.03'	10.48'	114° 45' 15.81"	15.62°
C3	4.77'	4.00'	69° 22' 54.22"	2.72°
C4	9.31'	15.00'	35° 32' 48.14"	4.81°
C5	12.25'	15.00'	46° 47' 16.63"	6.49°
C6	4.77'	4.00'	69° 22' 54.22"	2.72°
C7	15.36'	8.00'	110° 00' 00.00"	11.43°
C8	35.16'	31.50'	63° 57' 16.69"	19.67°
C9	19.41'	8.00'	95° 02' 43.31"	8.89°
C10	4.78'	4.00'	69° 22' 44.21"	2.72°

LINE DATA TABLE

LINE	BEARING	DISTANCE
L1	S74° 16' 06.97" W	10.28'
L2	S45° 16' 06.97" W	21.01'
L3	S44° 38' 31.22" W	19.65'
L4	N20° 16' 06.97" E	21.00'
L5	S20° 16' 06.97" W	4.47"
L6	S89° 43' 53.03" E	4.77"
L7	N69° 43' 53.03" E	13.15'
L8	N00° 19' 31.80" W	2.79'



**HORIZONTAL CONTROL TABLE**

POINT #	NORTHING	EASTING	DESCRIPTION
10000	1638401.46	6771322.73	CENTER OF CATCH BASIN
10001	1638401.45	6771238.48	CENTER OF CATCH BASIN
10002	1638401.94	6771289.41	CENTER OF CATCH BASIN
10003	1638423.92	6771149.32	CENTER OF CATCH BASIN
10004	1638414.32	6771352.75	CENTER OF CATCH BASIN
10005	1638414.70	6771330.14	RADIUS CENTERPOINT
10006	1638424.75	6771232.28	CENTER OF CATCH BASIN
10007	1638408.84	6771270.87	CENTER OF CATCH BASIN
10008	1638416.31	6771290.49	CENTER OF CATCH BASIN
10009	1638354.04	6771273.72	CENTER OF CATCH BASIN
10010	1638384.16	6771258.72	CENTER OF CATCH BASIN
10011	1638315.65	6771239.82	CENTER OF CATCH BASIN
10012	1638315.45	6771261.70	CENTER OF CATCH BASIN
10013	1638323.67	6771292.16	CENTER OF CATCH BASIN
10014	1638323.02	6771273.72	CENTER OF CATCH BASIN
10015	1638404.01	6771252.87	CORNER OF PROPOSED BUILDING
10016	1638404.67	6771252.22	CORNER OF PROPOSED BUILDING
10017	1638388.51	6771252.03	CORNER OF PROPOSED BUILDING
10018	1638388.85	6771252.68	CORNER OF PROPOSED BUILDING
10019	1638314.59	6771198.86	SAWCUT
10020	1638314.54	6771198.87	SAWCUT
10021	1638315.73	6771215.64	SAWCUT
10022	1638316.88	6771215.62	SAWCUT
10023	1638421.41	6771245.63	TOP OF STAIRS
10024	1638421.41	6771245.62	BOTTOM OF STAIRS
10025	1638394.91	6771245.45	TOP OF STAIRS
10026	1638394.91	6771245.44	BOTTOM OF STAIRS
10027	1638401.95	6771237.68	END OF WALL
10028	1638401.74	6771240.23	END OF WALL
10029	1638401.54	6771245.64	END OF WALL
10030	1638421.93	6771252.88	END OF WALL
10031	1638410.54	6771245.55	END OF WALL
10032	1638410.01	6771252.12	BOTTOM OF RAMP
10033	1638401.91	6771245.52	END OF WALL
10034	1638401.28	6771252.08	BOTTOM OF RAMP
10035	1638301.91	6771245.42	END OF WALL
10036	1638301.88	6771252.65	END OF WALL
10037	1638301.62	6771233.65	END OF WALL
10038	1638301.84	6771234.09	END OF WALL
10039	1638347.34	6771270.19	CENTER OF RADIUS
10040	1638355.38	6771233.79	END OF WALL
10045	1638421.82	6771271.43	SEATWALL

HORIZONTAL CONTROL TABLE

POINT #	NORTHING	EASTING	DESCRIPTION
10046	1638332.12	6771270.01	SEATWALL
10047	1638338.77	6771274.23	CENTER OF CURVE RADIUS
10048	1638318.21	6771270.18	CENTER OF CURVE RADIUS
10049	1638320.89	6771262.56	CENTER OF CURVE RADIUS
10050	1638334.61	6771255.35	CENTER OF CURVE RADIUS
10051	1638338.32	6771255.23	CENTER OF CURVE RADIUS
10052	1638340.98	6771242.66	CENTER OF CURVE RADIUS
10053	1638334.67	6771242.63	CENTER OF CURVE RADIUS
10054	1638349.45	6771260.08	CENTER OF CURVE RADIUS
10055	1638357.76	6771248.13	CENTER OF CURVE RADIUS
10056	1638370.82	6771255.08	CENTER OF CURVE RADIUS
10057	1638355.77	6771273.78	CENTER OF CURVE RADIUS
10058	1638368.62	6771299.85	CENTER OF CURVE RADIUS
10059	1638350.92	6771286.91	CENTER OF CURVE RADIUS
10060	1638358.70	6771242.29	CENTER OF CURVE RADIUS
10061	1638408.07	6771337.17	EDGE OF PCC CURB
10062	1638437.53	6771240.30	EDGE OF PCC
10063	1638432.80	6771224.81	EDGE OF PCC
10064	1638428.04	6771238.64	EDGE OF PCC
10065	1638417.75	6771238.55	EDGE OF PCC
10066	1638413.62	6771234.38	EDGE OF PCC
10067	1638412.66	6771225.50	EDGE OF PCC
10068	1638323.89	6771194.81	EDGE OF PCC
10069	1638316.56	6771194.88	EDGE OF PCC
10070	1638379.29	6771230.99	EDGE OF PCC
10071	1638379.38	6771300.49	CENTER OF CURVE RADIUS
10072	1638432.78	6771231.71	SAWCUT
10073	1638432.75	6771221.51	SAWCUT
10074	1638425.82	6771203.12	SAWCUT
10075	1638420.74	6771203.15	SAWCUT
10076	1638441.93	6771196.39	SAWCUT
10077	1638437.63	6771186.42	SAWCUT
10078	1638427.13	6771164.36	JOIN TO EXISTING PCC
10079	1638323.78	6771187.31	SAWCUT
10080	1638420.43	6771203.03	CENTER OF CATCH BASIN
10081	1638316.39	6771174.74	SAWCUT
10082	1638416.98	6771164.31	JOIN TO EXISTING PCC
10083	1638323.75	6771174.68	SAWCUT
10084	1638410.72	6771338.36	CENTER OF CATCH BASIN
10085	1638320.52	6771207.18	CENTER OF CATCH BASIN

CURVE DATA TABLE

CURVE	LENGTH	RADIUS	DELTA	TANGENT
C1	8.89'	16.50'	29° 00' 00.00"	4.27°
C2	20.03'	10.00'	114° 45' 16.81"	15.62°
C3	4.77'	4.00'	68° 24' 34.22"	2.72°
C4	9.31'	15.00'	35° 34' 46.14"	4.81°
C5	12.25'	15.00'	40° 47' 16.63"	6.49°
C6	4.77'	4.00'	68° 22' 54.22"	2.72°
C7	15.36'	8.00'	110° 00' 00.00"	11.43°
C8	35.16'	31.59'	83° 57' 16.69"	19.67°
C9	13.41'	8.00'	96° 02' 43.31"	6.89°
C10	4.78'	4.00'	68° 24' 22.41"	2.72°

LINE DATA TABLE

LINE	BEARING	DISTANCE
L1	S74° 16' 05.87" W	10.28'
L2	S45° 16' 05.97" W	21.01'
L3	S44° 58' 37.22" E	19.68'
L4	N20° 16' 06.97" E	21.09'
L5	S20° 16' 05.97" W	14.57'
L6	S89° 43' 53.03" E	4.77'
L7	N69° 43' 53.03" W	13.15'
L8	N0° 19' 31.80" W	2.79'



SEALS:
C-5.2

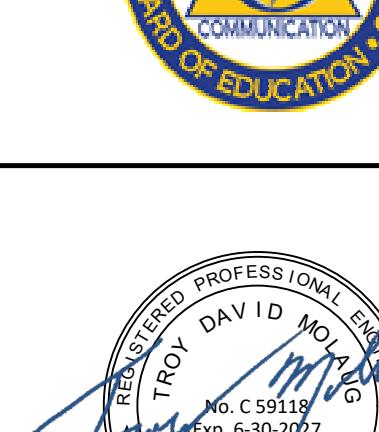
PROJECT NUMBER: 22-2107-00
PROJECT STATUS: BID SET
SHEET ISSUED: 11/2/2025
DETAILED DATE:
C-5.2

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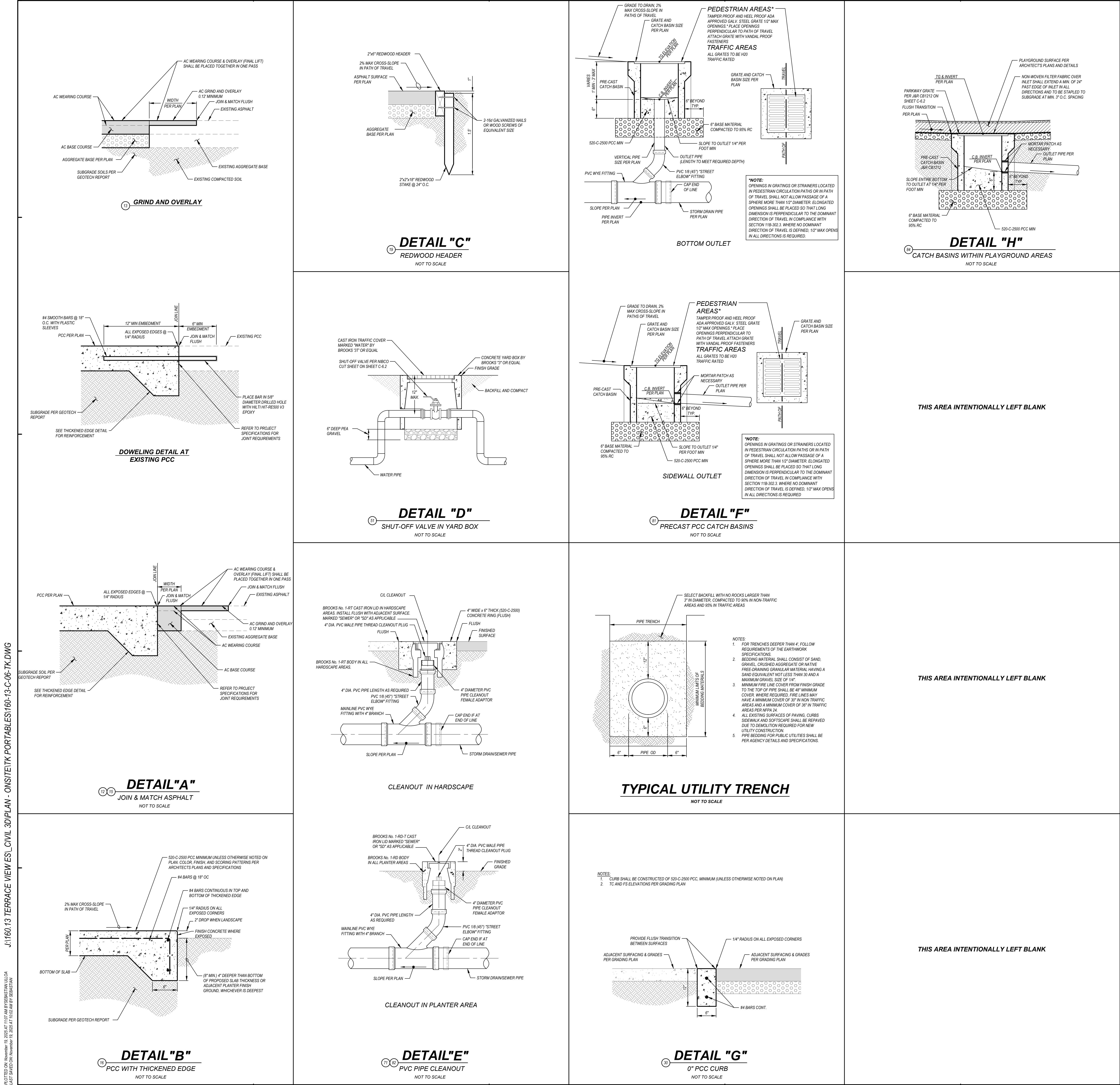
CONSULTANT:
EPIC
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COLTON JOINT UNIFIED SCHOOL DISTRICT
TERRACE VIEW ELEMENTARY SCHOOL TK MODULAR ADDITION
22731 GRAND TERRACE ROAD
GRAND TERRACE, CA 92313



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NO. 16-59119
Exp. 06/2027
CIVIL
STATE OF CALIFORNIA

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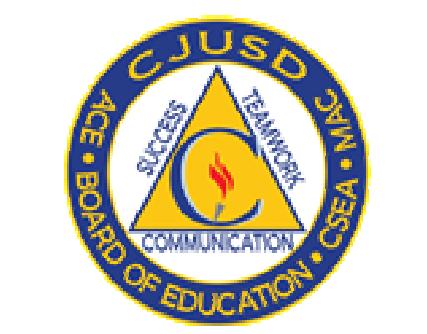


GRADING CONSTRUCTION NOTES

- (10) PROTECT IN PLACE EXISTING ITEM
- (11) ADJUST EXISTING ITEM TO PROPOSED FINISHED GRADE
- (12) JOIN PROPOSED SURFACE TO EXISTING SURFACE PER DETAIL "A" ON SHEET C-6.1 WITH FLUSH TRANSITION MATCHING GRADE
- (13) GROUND AND OVERLAY EXISTING SURFACE TO 12" MINIMUM PER DETAIL "A" ON SHEET C-6.1, WITH FLUSH TRANSITION MATCHING GRADE
- (14) SEE SITE UTILITY PLAN FOR IDENTIFICATION OF OBJECT
- (15) CONSTRUCT FULL DEPTH AC PER DETAIL "A" ON SHEET C-6.1 WITH FLUSH TRANSITION MATCHING GRADE
- (16) CONSTRUCT 3.5" PCC (520-C-2500) OVER 12" SUBGRADE COMPACTED TO 90% RELATIVE COMPACTION WITH THICKENED EDGE PER DETAIL "B" ON SHEET C-6.1. SCORING PATTERNS, TENTATIVE SOIL TESTING SHALL BE PERFORMED PROOF TO GRAVITY TO DETERMINE TENTATIVE SECTION REQUIREMENTS
- (17) CONSTRUCT 2" PCC (480-C-2000) COOPER SLAB OVER PREPARED SUBGRADE
- (18) CONSTRUCT PCC 0" CURB PER ARCHITECT'S DETAIL 21 ON SHEET A10.12
- (19) CONSTRUCT REDWOOD HEADER PER DETAIL "C" ON SHEET C-6.1
- (20) FURNISH AND INSTALL SITE FENCING / RAILING / GATES PER ARCHITECT'S PLANS AND SPECIFICATIONS
- (21) CONSTRUCT STARS / HANDRAILS PER ARCHITECT'S PLANS AND SPECIFICATIONS
- (22) CONSTRUCT CAST IN PLACE RETAINING WALL PER ARCHITECTURAL PLANS AND SPECIFICATIONS
- (23) CONSTRUCT SEATWALL PER ARCHITECT'S PLANS AND SPECIFICATIONS
- (24) DRINKING FOUNTAIN PROVIDED BY BUILDING MANUFACTURER
- (25) PROPOSED VENTS FOR ARCHITECTURAL PLANS & MODULAR BUILDING PLANS AND SPECIFICATIONS
- (26) CONSTRUCT PLUMBERED PLAYGROUND SURFACING PER ARCHITECT'S PLANS AND SPECIFICATIONS
- (27) FURNISH AND INSTALL DECOMPOSED GRANITE SURFACE PER ARCHITECT'S PLANS AND SPECIFICATIONS
- (28) FURNISH AND INSTALL CURB PER ARCHITECT'S PLANS AND SPECIFICATIONS
- (29) FURNISH AND INSTALL CLEAN WASHED 3/4" CRUSHED ROCK, 3" THICK PER ARCHITECT'S PLANS AND SPECIFICATIONS
- (30) CONSTRUCT PCC 0" CURB PER DETAIL "G" ON SHEET C-6.1
- (31) FURNISH AND INSTALL SYNTHETIC TURF PER ARCHITECT'S PLANS, DETAILS, AND SPECIFICATIONS
- (32) CONSTRUCT 6" PCC BORDER PER ARCHITECT'S PLANS, DETAILS, AND SPECIFICATIONS

DETAIL SHEET

COLTON JOINT UNIFIED SCHOOL DISTRICT
TERRACE VIEW ELEMENTARY SCHOOL TK MODULAR ADDITION
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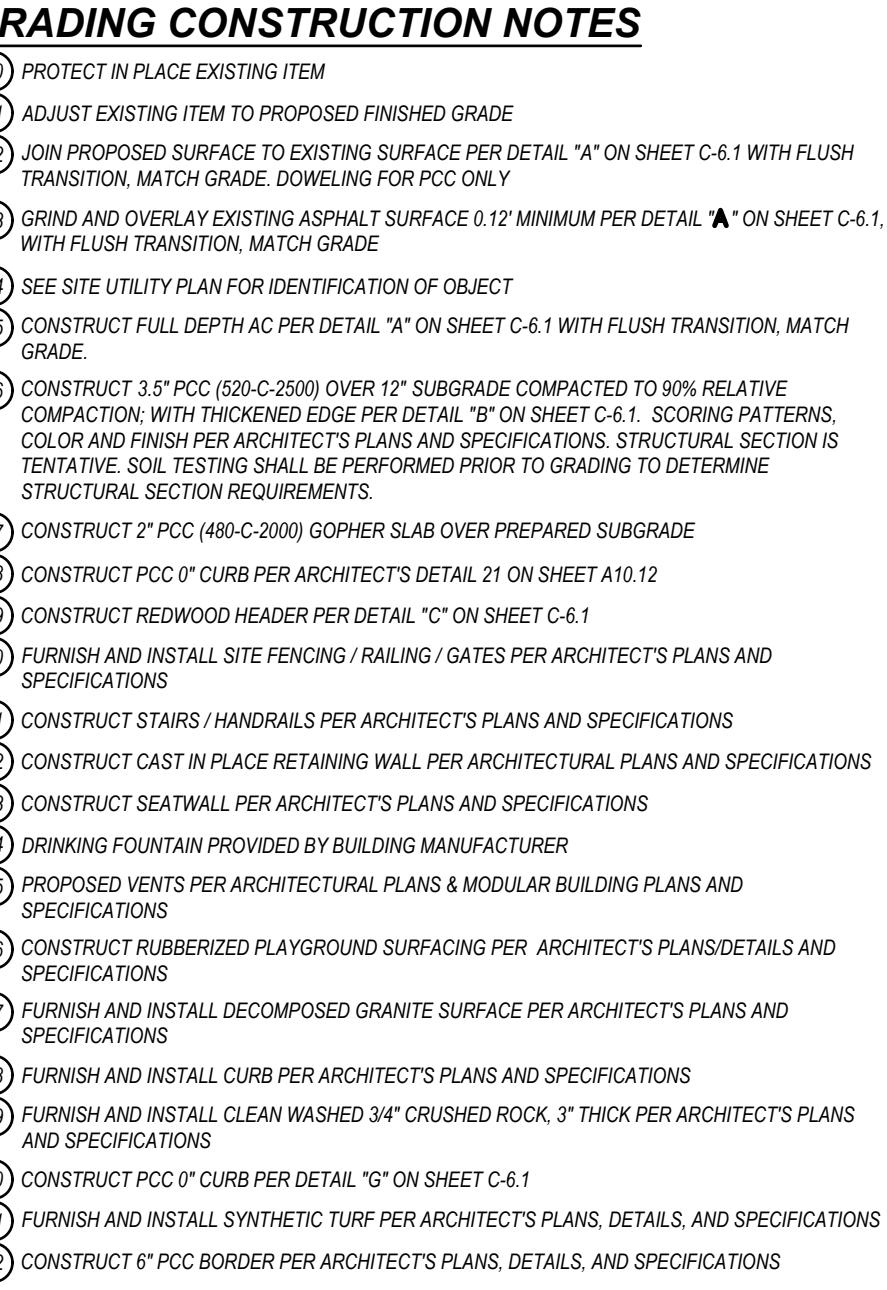
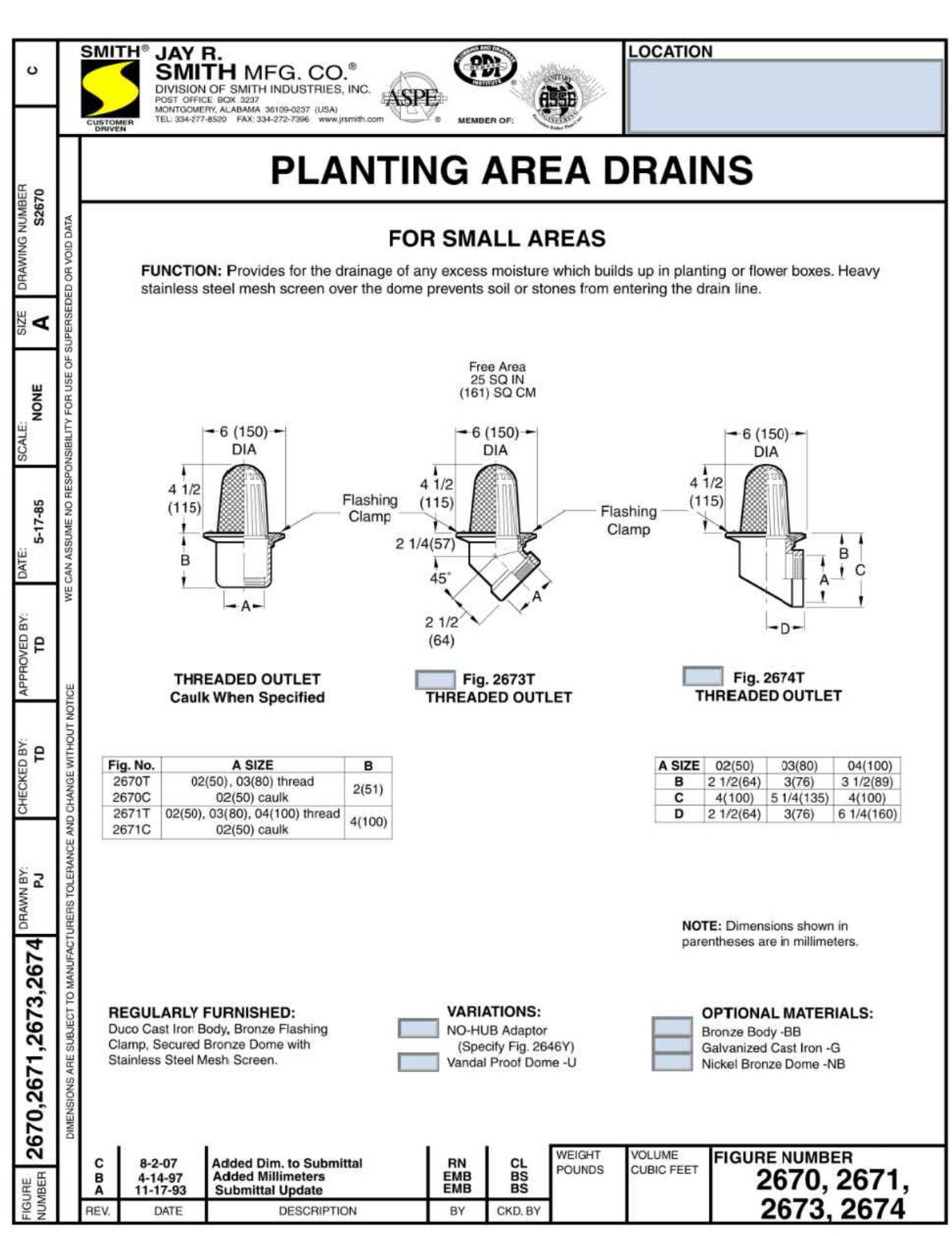
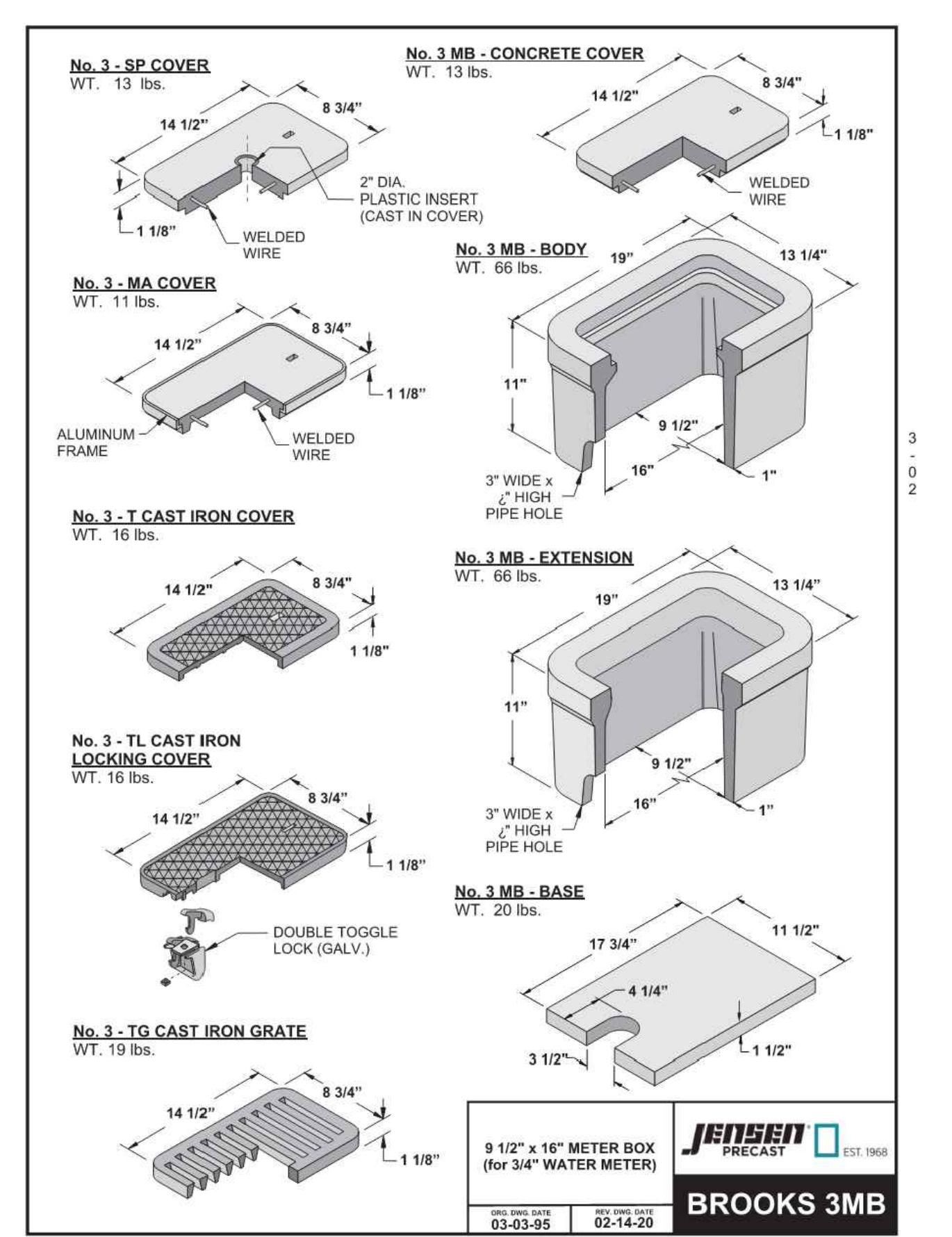
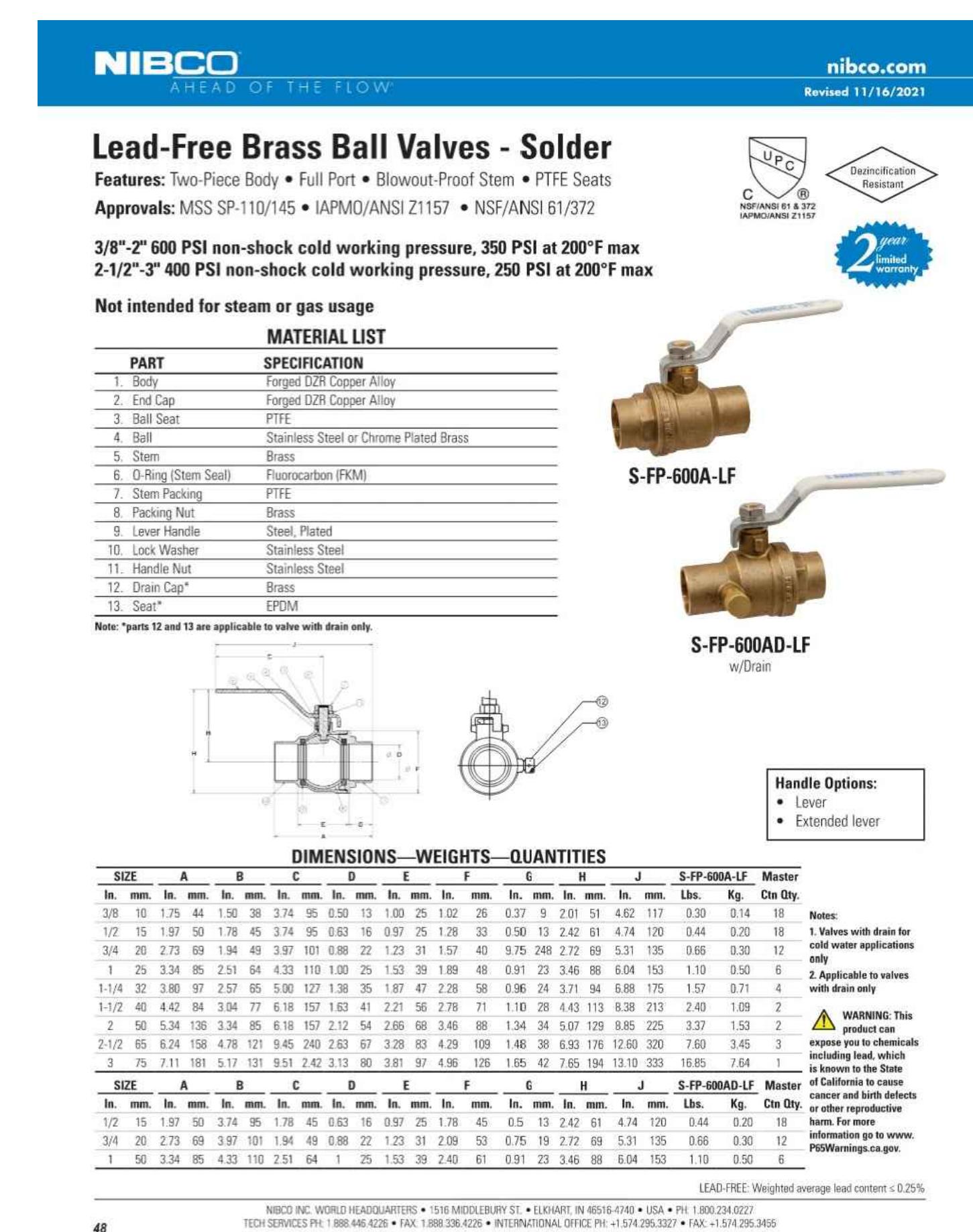
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PROJECT NUMBER: 22-2107-00
PROJECT STATUS: BID SET
SHEET ISSUED: 11/2/2025
DETAILED DATE:

C-6.1

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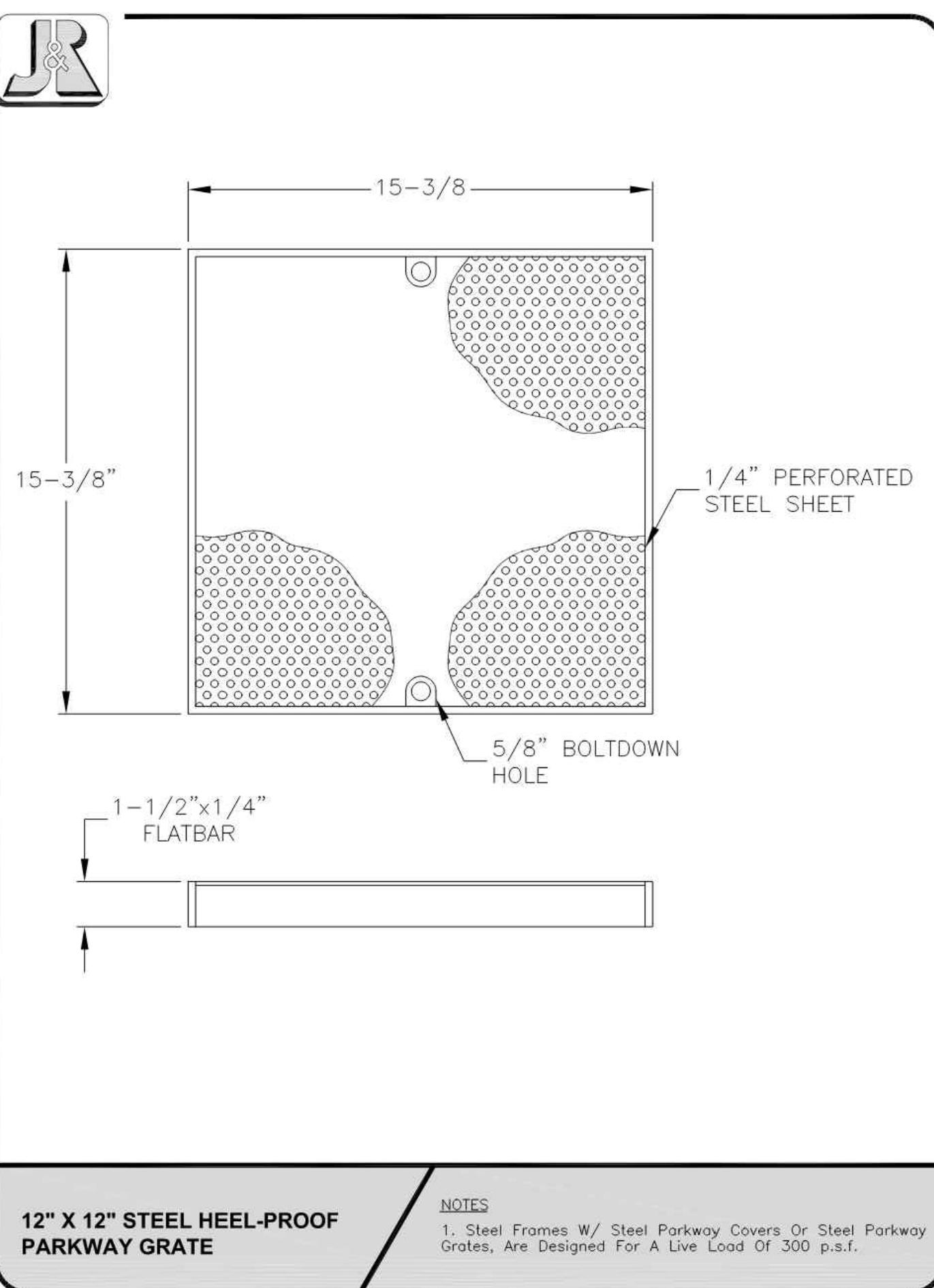
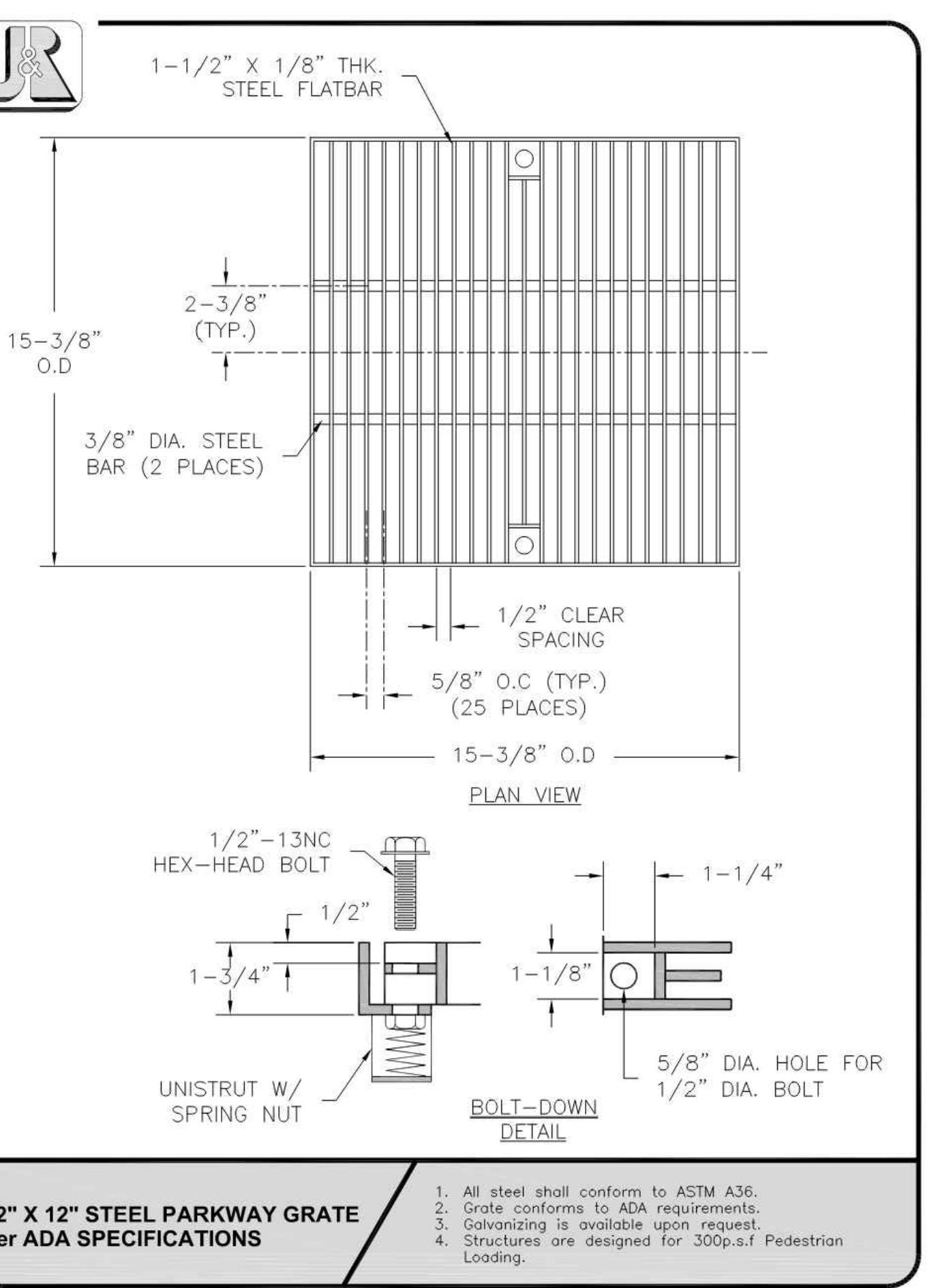
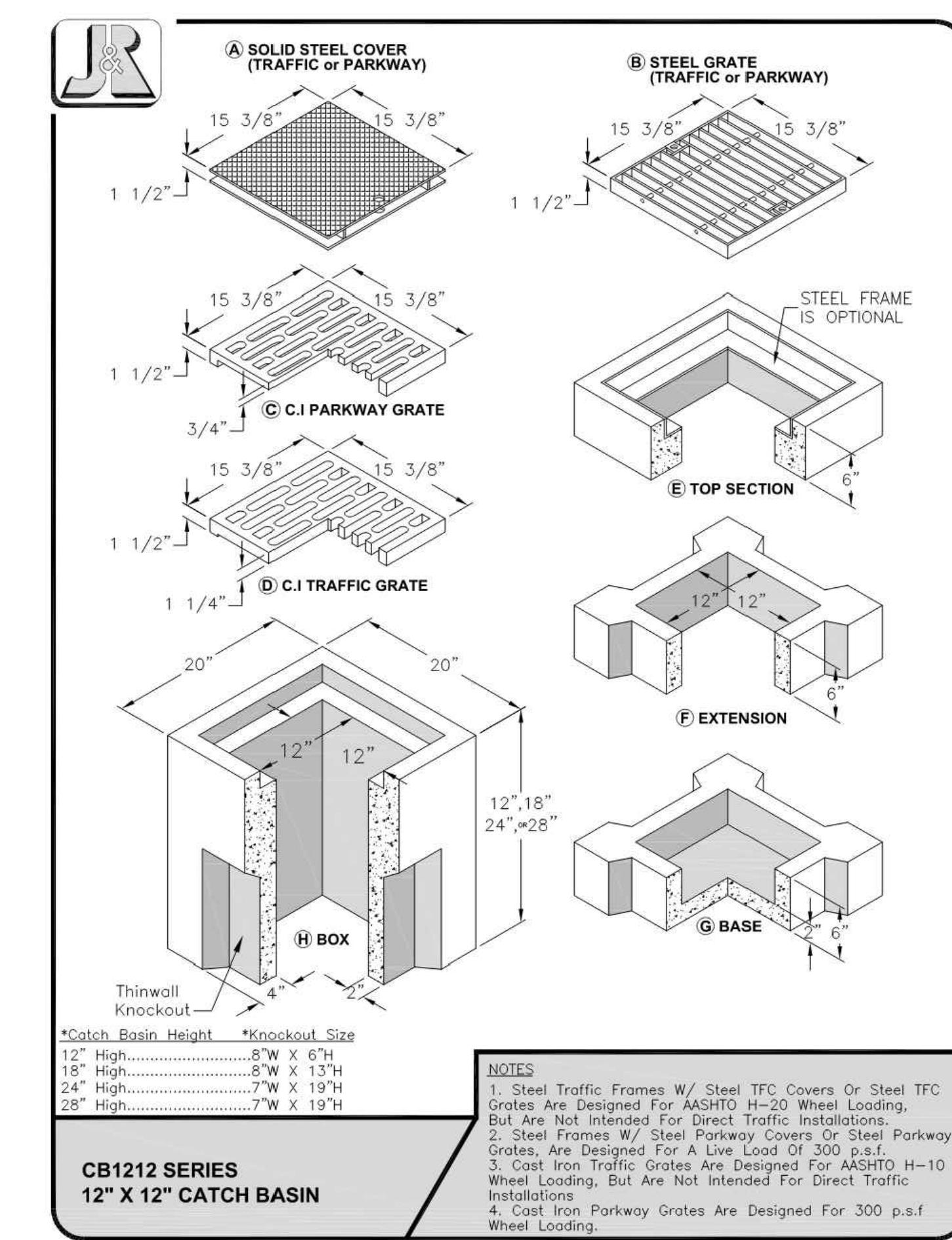


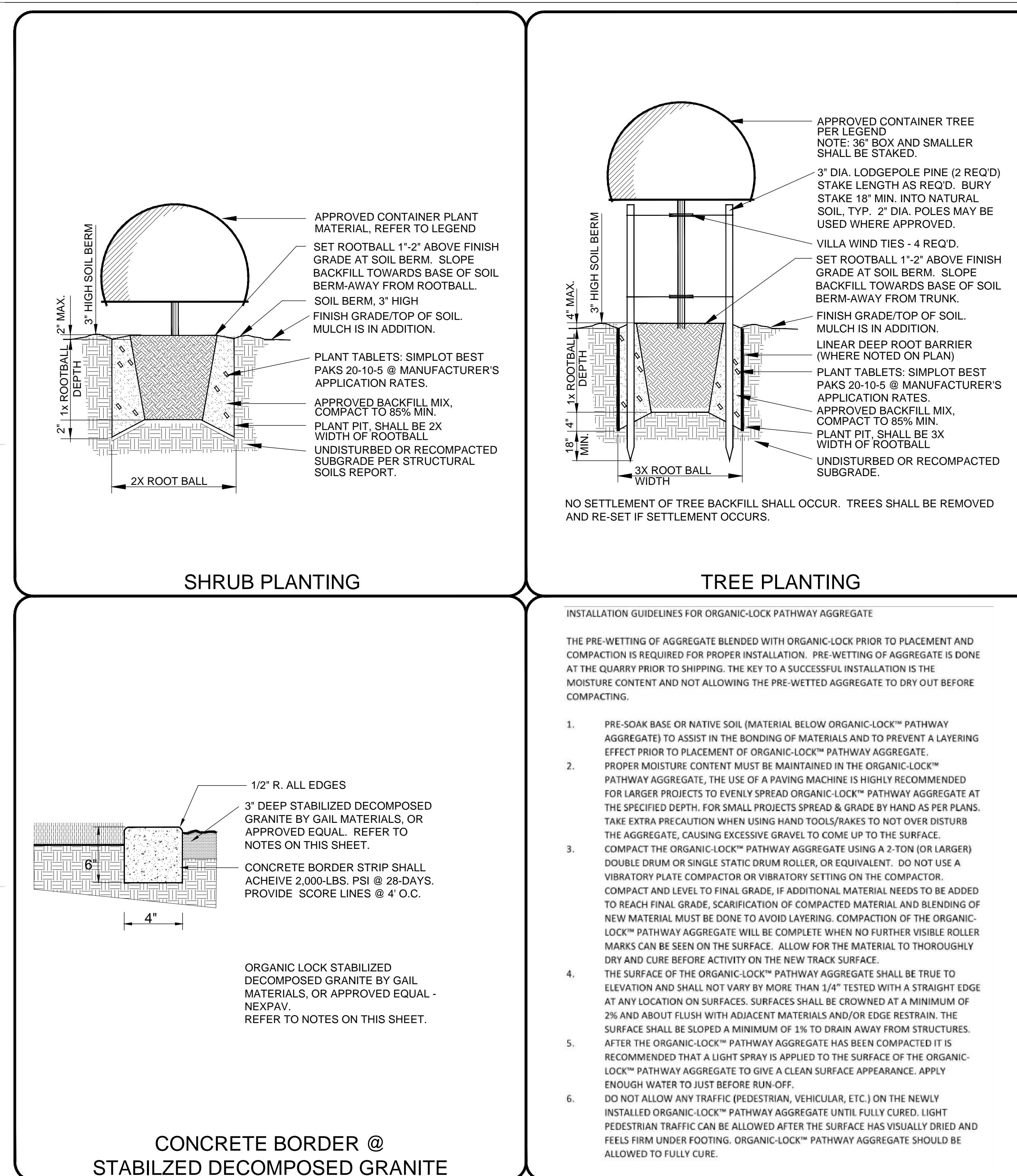
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DETAIL SHEET

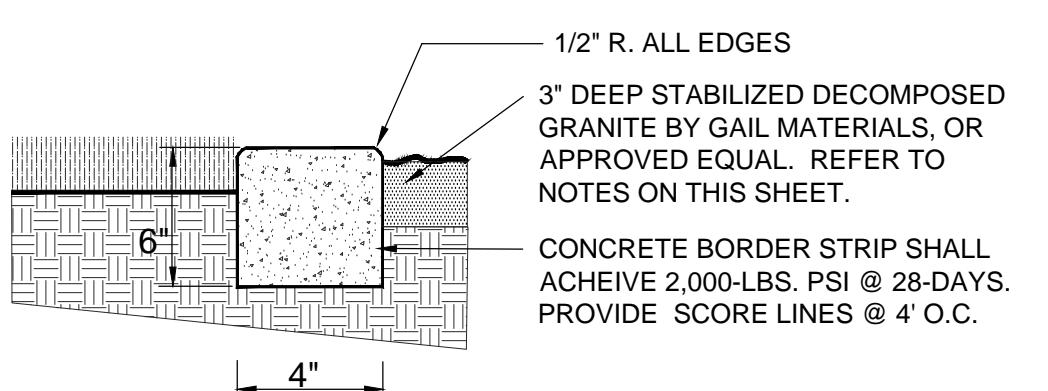
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GRAND TERRACE, CA 92313





CONCRETE BORDER @ STABILIZED DECOMPOSED GRANITE



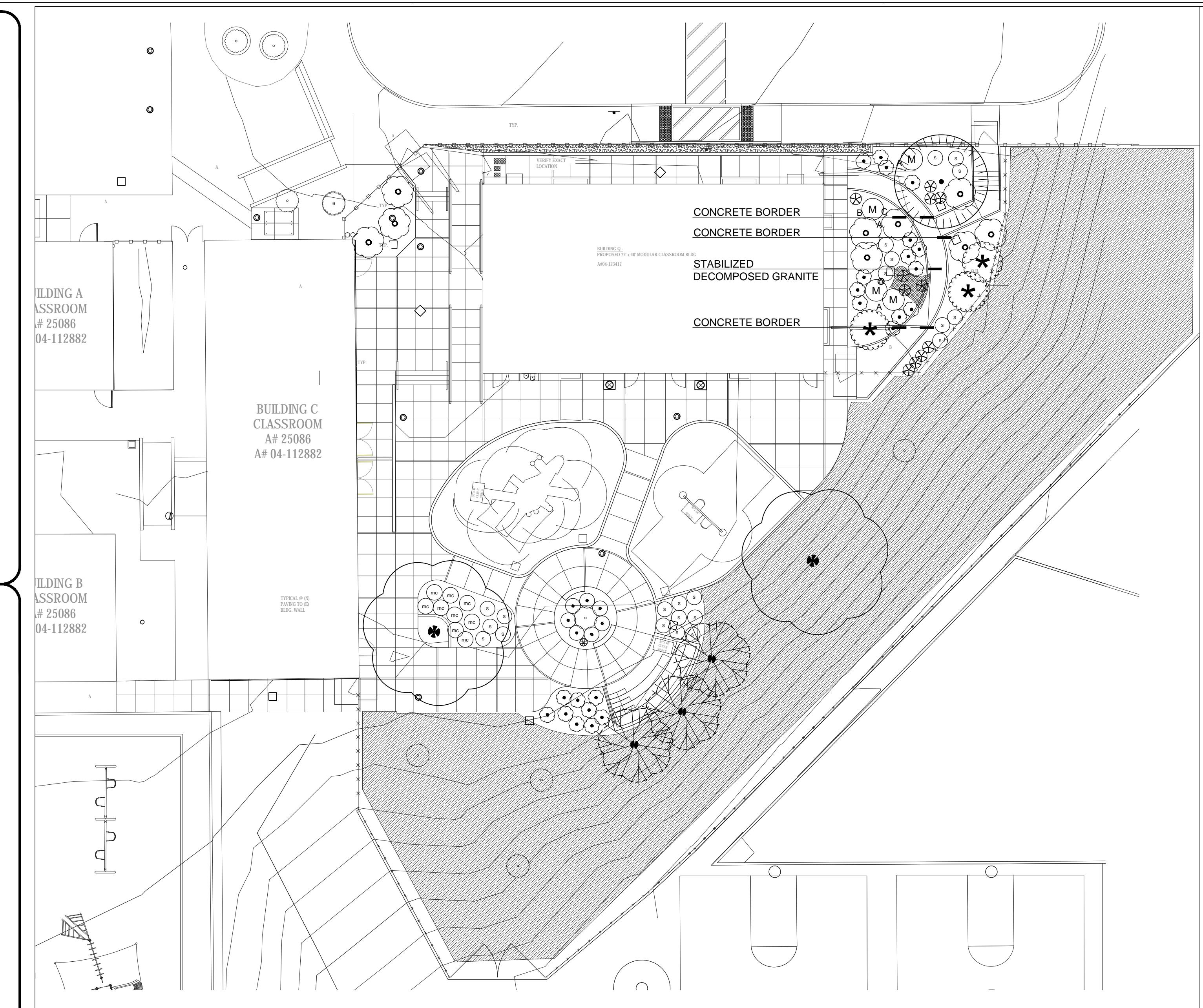
ORGANIC LOCK STABILIZED DECOMPOSED GRANITE BY GAIL MATERIALS, OR APPROVED EQUAL - NEXPAC. REFER TO NOTES ON THIS SHEET.

INSTALLATION INSTRUCTIONS FOR ORGANIC-LOCK PATHWAY AGGREGATE

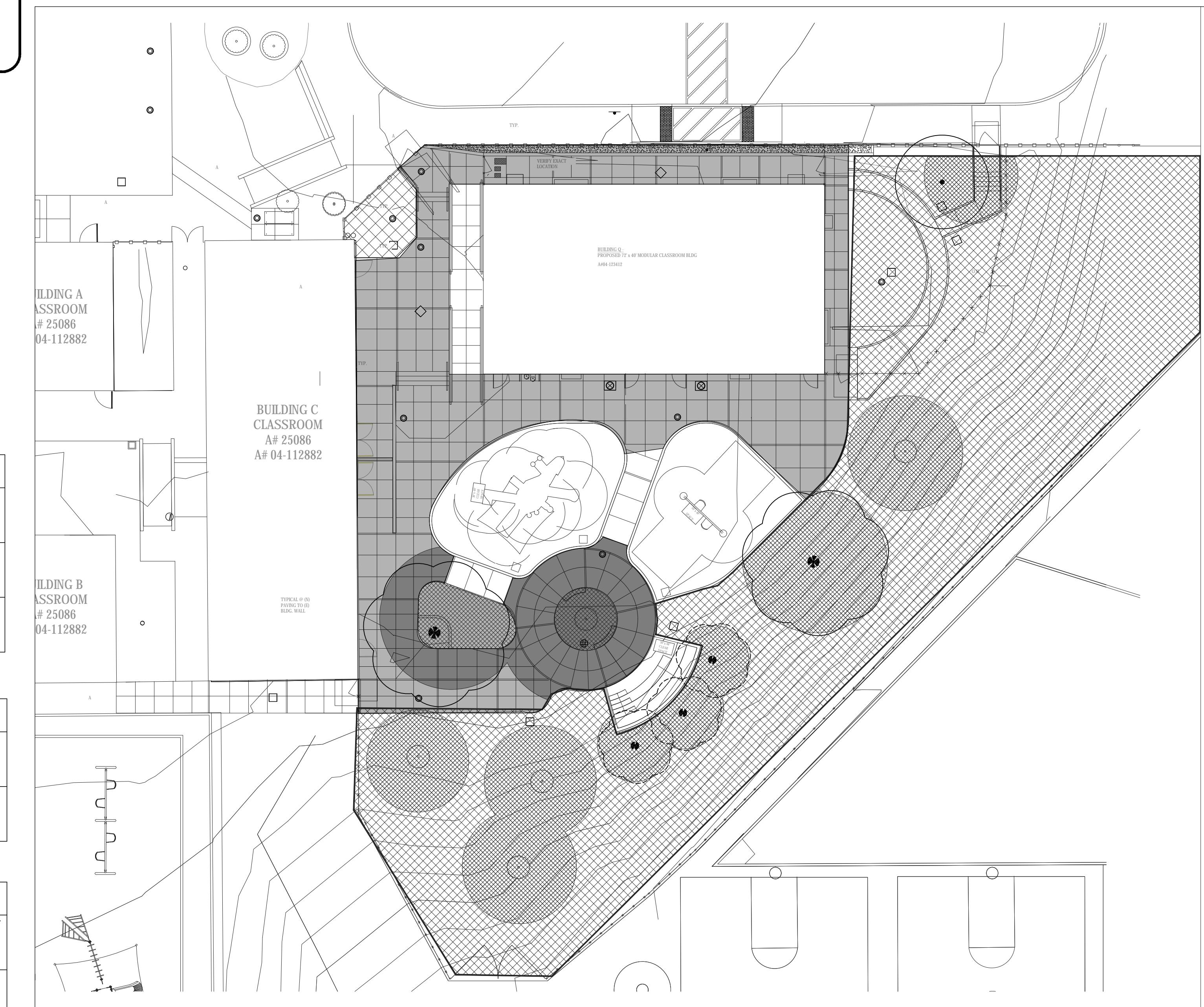
INSTALLATION GUIDELINES FOR ORGANIC-LOCK PATHWAY AGGREGATE

THE PRE-WETTING OF AGGREGATE BLENDED WITH ORGANIC-LOCK™ PATHWAY AGGREGATE IS REQUIRED FOR PROPER INSTALLATION. PRE-WETTING OF AGGREGATE IS DONE AT THE QUARRY PRIOR TO SHIPPING. THE KEY TO A SUCCESSFUL INSTALLATION IS THE MOISTURE CONTENT AND NOT ALLOWING THE PRE-WETTED AGGREGATE TO DRY OUT BEFORE COMPACTING.

1. PRE-SOAK BASE OR NATIVE SOIL (MATERIAL BELOW ORGANIC-LOCK™ PATHWAY AGGREGATE) TO ASSIST IN THE BONDING OF MATERIALS AND TO PREVENT A LAYERING EFFECT PRIOR TO PLACEMENT OF ORGANIC-LOCK™ PATHWAY AGGREGATE.
2. PROPER MOISTURE CONTENT MUST BE MAINTAINED IN THE ORGANIC-LOCK™ PATHWAY AGGREGATE, THE USE OF A PAVING MACHINE IS HIGHLY RECOMMENDED FOR LARGER PROJECTS TO EVENLY SPREAD ORGANIC-LOCK™ PATHWAY AGGREGATE AT THE SPECIFIED DEPTH. FOR SMALL PROJECTS SPREAD & GRADE BY HAND AS PLANS. TAKE EXTRA PRECAUTION WHEN USING TOOLS/RAKES TO NOT OVER DISTURB THE AGGREGATE. DO NOT USE A VIBRATOR ON THE SURFACE.
3. COMPACT THE ORGANIC-LOCK™ PATHWAY AGGREGATE USING A 2' (OR LARGER) DOUBLE DRUM OR SINGLE STATIC DRUM ROLLER, OR EQUIVALENT. DO NOT USE A VIBRATORY PLATE COMPACTOR OR VIBRATORY SETTING ON THE COMPACTOR. COMPACT AND LEVEL TO FINAL GRADE, IF ADDITIONAL MATERIAL NEEDS TO BE ADDED TO REACH FINAL GRADE, SCARIFICATION OF COMPACTED MATERIAL AND BLENDING OF NEW MATERIAL MUST BE DONE TO AVOID LAYERING. COMPACTATION OF THE ORGANIC-LOCK™ PATHWAY AGGREGATE WILL BE COMPLETE WHEN NO FURTHER VISIBLE ROLLER MARKS CAN BE SEEN ON THE SURFACE. ALLOW FOR THE MATERIAL TO THOROUGHLY DRY AND CURE BEFORE ACTIVITY ON THE NEW TRACK SURFACE.
4. THE SURFACE OF THE ORGANIC-LOCK™ PATHWAY AGGREGATE SHALL BE TRUE TO ELEVATION AND SHALL NOT HAVE A HOLE DEPTH THAT EXCEEDS A STRAIGHT EDGE AT ANY LOCATION ON SURFACES. SURFACES SHALL BE CROWDED AT A MINIMUM OF 2% AND ABOUT FLUSH WITH ADJACENT MATERIALS AND/OR EDGE RESTRAIN. THE SURFACE SHALL BE SLOPED A MINIMUM OF 1% TO DRAIN AWAY FROM STRUCTURES.
5. AFTER THE ORGANIC-LOCK™ PATHWAY AGGREGATE HAS BEEN COMPACTED IT IS RECOMMENDED THAT A LIGHT SPRAY IS APPLIED TO THE SURFACE OF THE ORGANIC-LOCK™ PATHWAY AGGREGATE TO GIVE A CLEAN SURFACE APPEARANCE. APPLY ENOUGH WATER TO JUST BEFORE RUN-OFF.
6. DO NOT ALLOW ANY TRAFFIC (PEDESTRIAN, VEHICULAR, ETC.) ON THE NEWLY INSTALLED ORGANIC-LOCK™ PATHWAY AGGREGATE UNTIL FULLY CURED. LIGHT PEDESTRIAN TRAFFIC CAN BE ALLOWED AFTER THE SURFACE HAS VISUALLY DRIED AND FEELS FIRM UNDER FOOTING. ORGANIC-LOCK™ PATHWAY AGGREGATE SHOULD BE ALLOWED TO FULLY CURE.



PLANTING PLAN



CALGREEN TREE SHADING EXHIBIT

TREE SHADING SCHEDULE *

BOTANICAL/COMMON NAME	CONTAINER SIZE	MEASUREMENT @ INSTALLATION	GROWTH RATE	MEASUREMENT @ YEAR 15	DESIGN CONSIDERATIONS
PISTACIA CHINENSIS CHINESE PISTACHE	36" BOX	10' TALL 4' WIDE	HEIGHT +/30"/YEAR SPREAD +/30"/YEAR	35' TALL 30' WIDE 95% MATURE HEIGHT	ROOT DAMAGE POTENTIAL: LOW
PRUNUS CERASIFERA 'KRAUTER VESUVIUS'	24" BOX	8' TALL 3' WIDE	HEIGHT +/18"/YEAR SPREAD +/18"/YEAR	25' TALL 20' WIDE 90% MATURE SIZE	ROOT DAMAGE POTENTIAL: LOW
PINUS ILLICIFOLIA CATALINA CHERRY	24" BOX	6' TALL 30' WIDE	HEIGHT 12"/YEAR SPREAD 12"/YEAR	20' TALL 18' WIDE 80% MATURE SIZE	ROOT DAMAGE POTENTIAL: LOW

* GROWTH RATE BASED ON CAL POLY SELECTTREE DATA

TREE SHADING CALCULATIONS PAVING AREAS		
PAVING AREA	5,136 SF	
20% SHADING RQMT.	1,070 SF	

TREE SHADING CALCULATIONS LANDSCAPE AREAS		
LANDSCAPE AREA	11,885 SF	
20% SHADING RQMT.	2,377 SF	
SHADING PROVIDED	3,140 SF	

PRELIMINARY PLANT MATERIAL LIST	
PRUNUS CERASIFERA 'KRAUTER VESUVIUS'	24" BOX STANDARD FROST
WUCOLS 3: MED 25' TALL/20' WIDE SUN	
PISTACIA CHINENSIS CHINESE PISTACHE	36" BOX
WUCOLS 3: MED 35' TALL/35' WIDE SUN	
PRUNUS ILLICIFOLIA CATALINA CHERRY	36" BOX
WUCOLS 3: LOW 20' TALL/20' WIDE SUN	
ERIOPHONUM UMBELLATUM 'SHASTA SULFUR'	5-GAL.
WUCOLS 3: LOW 18' TALL/20' WIDE SUN	
LANTANA CAMARA 'SUNBURST'	5-GAL.
WUCOLS 3: LOW 30' TALL/6' WIDE SUN	
SALVIA APIANA WHITE SAGE	5-GAL.
WUCOLS 3: LOW 36' TALL/48' WIDE FULL SUN	
SALVIA LEUCANTHA MEXICAN SAGE	5-GAL.
WUCOLS 3: LOW 3' TALL/3' WIDE SUN	
VERBENA LILACINA DE LA MINA	1-GAL.
WUCOLS 3: LOW 24' TALL/24' WIDE SUN	
MAHONIA AQUIFOLIUM 'COMPACTA'	5-GAL.
WUCOLS 3: LOW 24' TALL/48' WIDE SUN/SHADE	
ROSMARINUS OFFICINALIS 'IRENE'	5-GAL.
WUCOLS 3: LOW 18' TALL/72' WIDE SUN	
STOVER SPORTSFIELD SUPREME @ 12 LBS./1,000 SF	GRASS 8,730 SF SUN

ALL PLANTER AREAS WITH SHRUBS TO RECEIVE AN APPROVED 3" DEEP LAYER OF A REDWOOD OR CEDAR BARK MULCH. TOP OF MULCH TO BE FLUSH WITH TOP OF ADJACENT EDGES.

LOCAL SOURCE GRANITE BOULDERS

(A)

60"

(B)

48"

(C)

30"

PLANTING PLAN & TREE SHADING EXHIBIT

COLTON JOINT UNIFIED SCHOOL DISTRICT

22731 GRAND TERRACE ROAD

GRAND TERRACE, CA 92313



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PROJECT NUMBER: 22-2107-00
PROJECT STATUS: BID SET
SHEET ISSUED: 1/12/2025
DETAILED DATE:
DESCRIPTION:
△

0'

8'

16'

32'

40'

48'

56'

64'

72'

80'

88'

96'

104'

112'

120'

128'

136'

144'

152'

160'

168'

176'

184'

192'

200'

208'

216'

224'

232'

240'

248'

256'

264'

272'

280'

288'

296'

304'

312'

320'

328'

336'

344'

352'

360'

368'

376'

384'

392'

400'

408'

416'

424'

432'

440'

448'

456'

464'

472'

480'

488'

496'

504'

512'

520'

528'

536'

544'

552'

560'

568'

576'

584'

592'

600'

608'

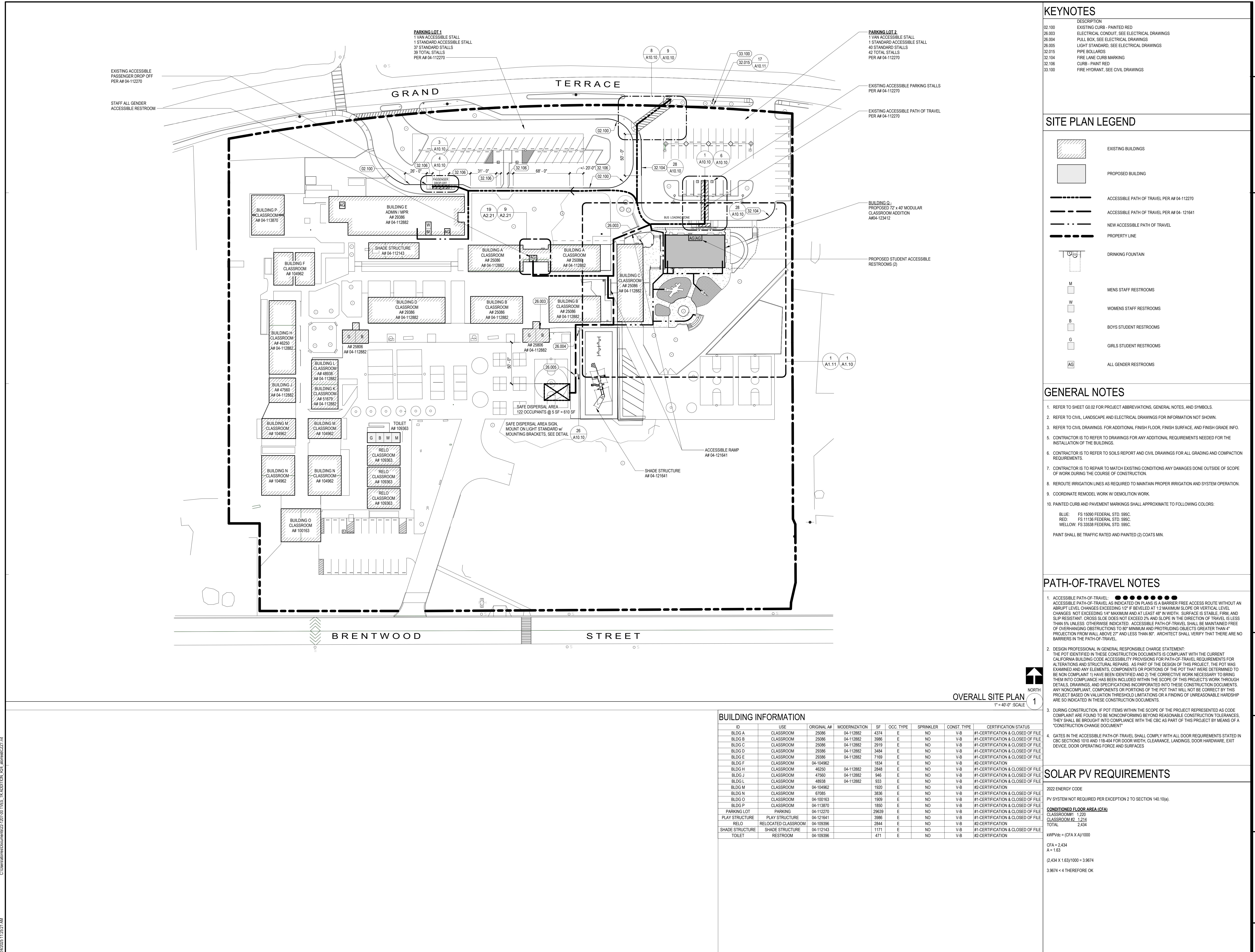
616'

624'

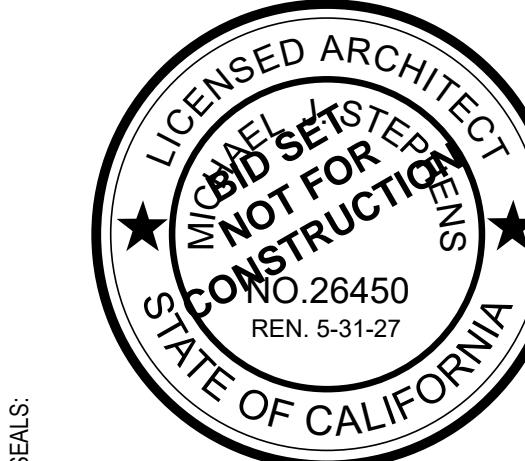
632'

640'

648'




OVERALL SITE PLAN
COLTON JOINT UNIFIED SCHOOL DISTRICT
TERRACE VIEW ELEMENTARY SCHOOL ROAD
22731 GRAND TERRACE ROAD
GRAND TERRACE, CA 92313

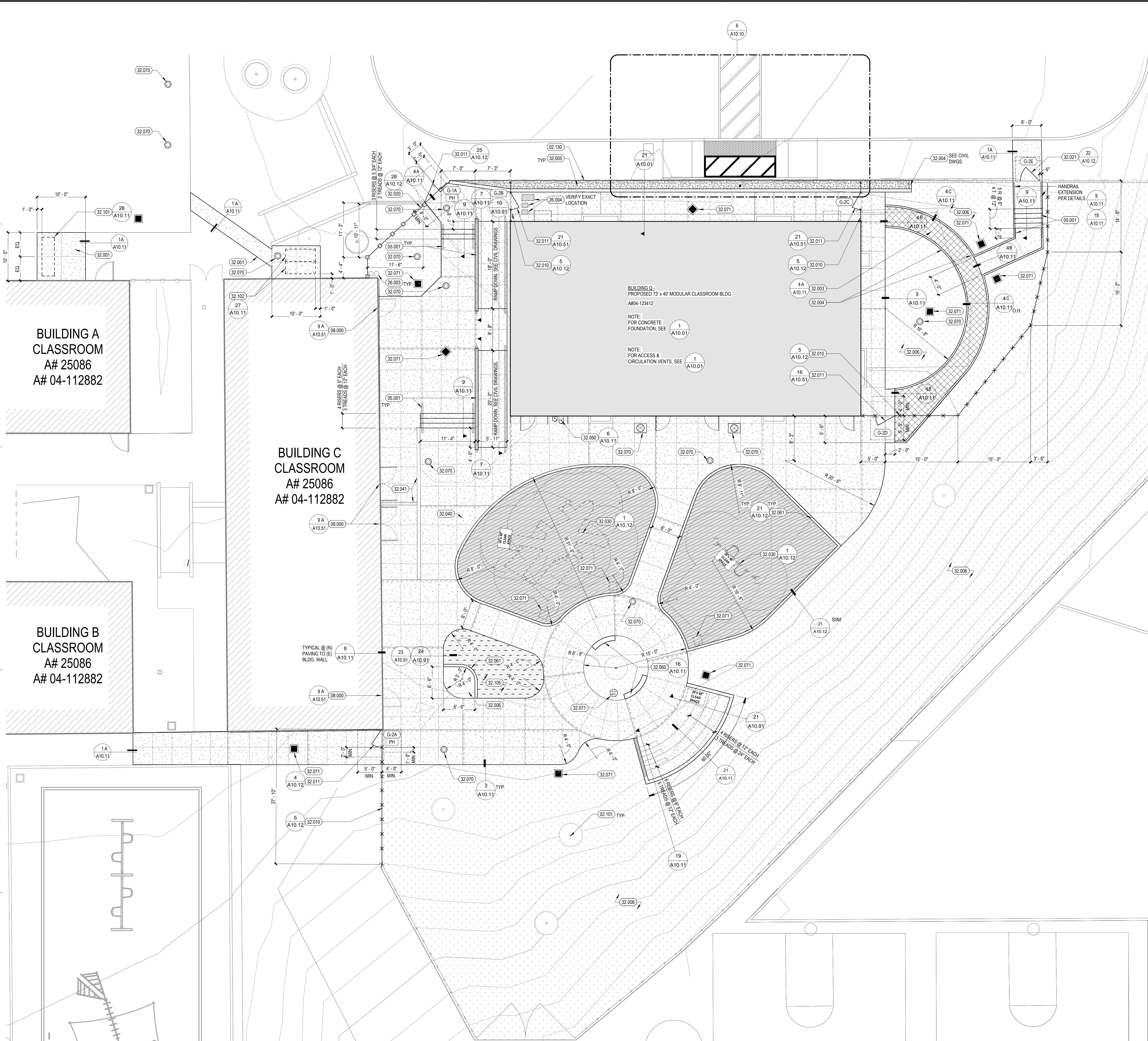


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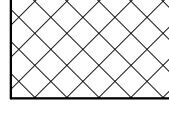
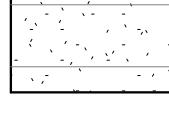
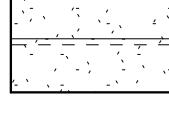
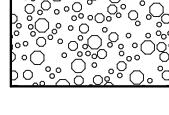
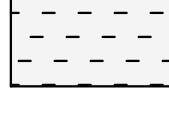
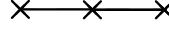
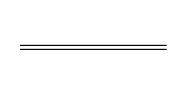




KEYNOTES

	DESCRIPTION
02.101	EXISTING TREE TO REMAIN, PROTECT IN PLACE
02.130	EXISTING DECORATIVE FENCE TO REMAIN
05.001	HANDRAIL. SEE PLAN DETAIL.
08.000	THRESHOLD. SEE PLAN DETAIL.
26.003	ELECTRICAL CONDUIT, SEE ELECTRICAL DRAWINGS
26.004	PULL BOX, SEE ELECTRICAL DRAWINGS
32.001	CONCRETE PAVEMENT, SEE CIVIL DRAWINGS.
32.003	DECOMPOSED GRANITE, SEE LANDSCAPE DRAWINGS
32.004	CONCRETE CURB
32.005	GRAVEL
32.006	LANDSCAPING, SEE LANDSCAPE DRAWINGS.
32.010	6'-0" HIGH CHAIN LINK FENCE
32.011	CHAIN LINK GATE
32.020	8'-0" HIGH DECORATIVE METAL FENCE
32.021	DECORATIVE METAL GATE
32.030	OFCI PLAY STRUCTURE
32.040	TRICYCLE PATH STRIPING, 2" STRIPES PAINTED A CONTRASTING COLOR WITH THE PLAY SURFACE. COORDINATE WITH DISTRICT ON STANDARD COLOR
32.041	EXISTING BLOCK WALL, PAINT BLUE TO MATCH EXISTING
32.050	HI-LOW DRINKING FOUNTAIN BY BUILDING MANUFACTURER
32.060	CONCRETE SEAT WALL
32.061	FLUSH CONCRETE CURB
32.070	UTILITY, SEE CIVIL DRAWINGS
32.071	AREA DRAIN, SEE CIVIL DRAWINGS
32.101	BIKE RACK
32.102	BIKE LOCKER
32.105	ARTIFICIAL TURF, SEE PLAN DETAILS AND SPECIFICATIONS

REMODEL SITE LEGEND

	(E) BUILDING
	NEW MODULAR
	CONCRETE PAVING, SEE CIVIL DRAWINGS
	DECOMPOSED GRANITE, SEE DET.
	
	LANDSCAPE AREA, SEE LANDSCAPE DRAWINGS
	POURED IN PLACE RUBBER PLAY SURFACE (FULLY ACCESSIBLE), COMPLY WITH ASTM F1951 & F1292
	CONTROL JOINT, SPACED 6' U.N.O. SEE DET.
	
	EXPANSION JOINT, SPACED 20' MAX. SEE DET.
	
	GRAVEL
	ARTIFICIAL TURF, SEE SPECIFICATIONS
	CHAIN LINK FENCE
	TUBE STEEL FENCE
	TRICYCLE PATH
	SEE GATE SCHEDULE ON THIS SHEET.

GATE SCHEDUL

MARK	WIDTH	HEIGHT	EXIT DEVICE	KNOX BOX	HARDWARE SET	COMMENTS
G - 1A	4' - 0"	8' - 0"	YES	YES	01	
G - 2A	3' - 6"	6' - 0"	YES	-	01	
G - 2B	3' - 6"	6' - 0"	NO	-	02	SERVICE GATE
G - 2C	3' - 6"	6' - 0"	NO	-	02	SERVICE GATE
G - 2D	3' - 6"	6' - 0"	NO	-	02	
G - 2E	4' - 0"	6' - 0"	NO	YES	02	SERVICE GATE

* REFER TO SPECIFICATIONS

GATE GENERAL NOTES

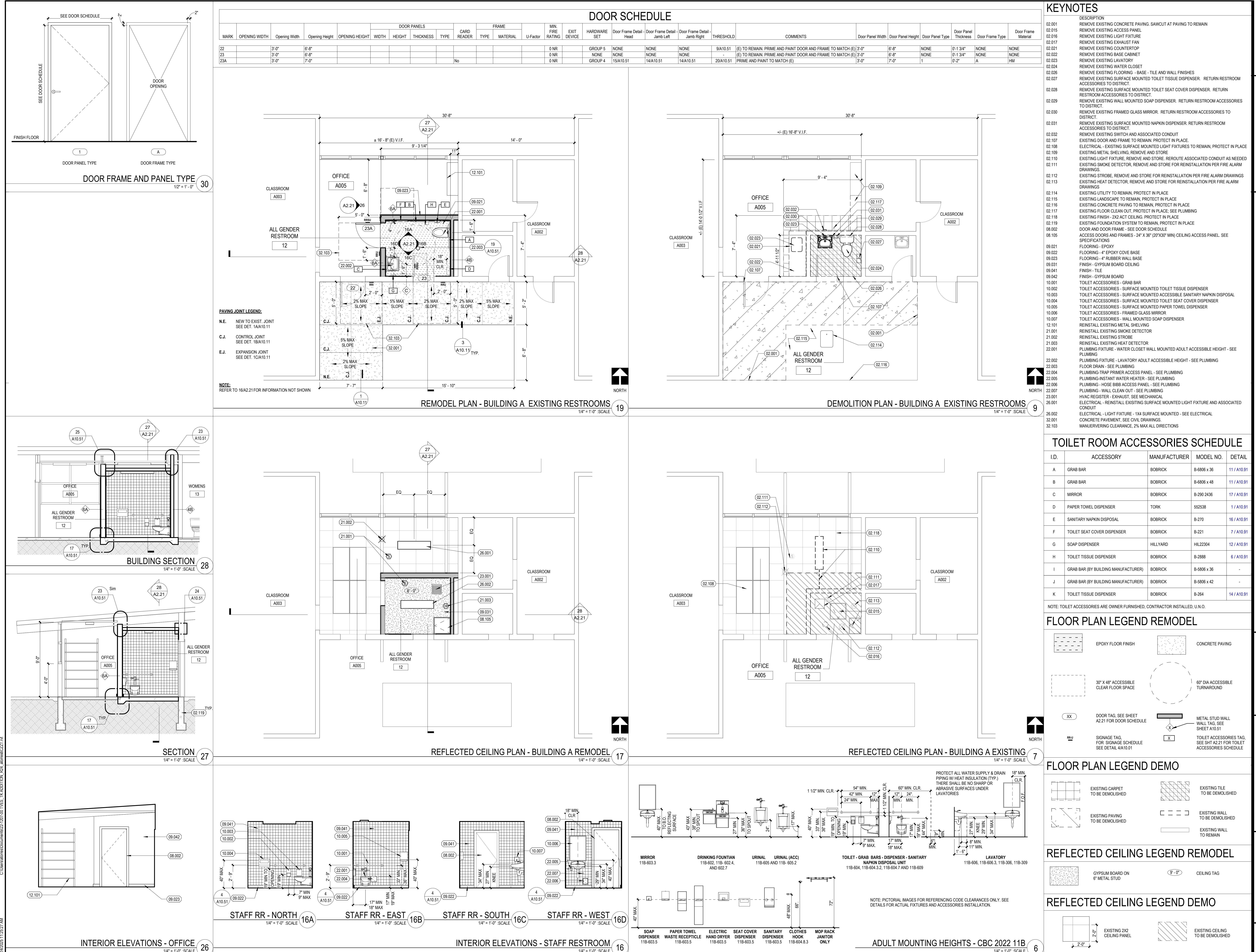
A. GATE HARDWARE NOTES:

- a. MOUNTING HEIGHT OF LATCHING HARDWARE SHALL BE 34" TO 44" A.F.F. PER CBC SEC. 11B-404.2.7. AND 11B-309.4.
- b. PRESSURE TO OPERATE THE GATE SHALL NOT EXCEED 5 POUNDS, PER CBC SEC. 11B-404.2.9:
- c. GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE GATE TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM. 11B-404.2.8.1.
- d. ALL HARDWARE SHALL MEET THE REQUIREMENTS OF CBC SECTION 11B-404.2.7, 1008.1.9, AND

11B-309.4

- A. SWINGING GATE SURFACES WITHIN 10 INCHES OF THE FINISH PAVEMENT OR GRADE MEASURED VERTICALLY MUST HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR OR GATE. 11B-404.2.10
- B. ALL DOOR HARDWARE LOCKS SHALL HAVE A MASTER KEY ACCESSIBLE TO LOCAL FIRE AUTHORITY.
- C. WHERE KNOX BOX IS INDICATED ON GATE SCHEDULE -
NOTIFY KNOX BOX 1-800-547-5447 OR GATE DOOR 9-1-1 COMM. (TOP OF GATE ARM) 711





STAFF RESTROOM PLANS, SECTIONS AND ELEVATIONS

COLTON JOINT UNIFIED SCHOOL DISTRICT

TERRACE VIEW ELEMENTARY SCHOOL TK MODULAR ADDITION




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
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
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



A2.21











DETAILS - INTERIOR AND MISCELLANEOUS
COLTON JOINT UNIFIED SCHOOL DISTRICT
TERRACE VIEW ELEMENTARY SCHOOL TK MODULAR ADDITION


22731 GRAND TERRACE ROAD
GRAND TERRACE, CA 92313

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PROJECT NUMBER: 22-2107-00
PROJECT STATUS: BID SET
SHEET NUMBER: 1102/205
DESCRIPTION: CHAIN LINK FENCE & GATE
DETAILED DATE: 12/12/2025

A10.51



COLTON JOINT UNIFIED SCHOOL DISTRICT
TERRACE VIEW ELEMENTARY SCHOOL MODULAR ADDITION

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A10.91

PROJECT NUMBER: 22-2107-00
PROJECT STATUS: BID SET
SHEET NUMBER: 1012/205
DESCRIPTION: TOILET PARTITION
DETAILED DATE: 12/12/2025

1